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Water-Supply Paper 948

WATER LEVELS AND ARTESIAN PRESSURE IN OBSERVATION WELLS IN THE UNITED STATES IN 1942

PART 5. NORTHWESTERN STATES

BY
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and others

Prepared in cooperation with the States of
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Part 5. NORTHWESTERN STATES

INTRODUCTION

By O. E. Meinzer and L. K. Wenzel

The rock formations of the earth are great natural underground reservoirs in which a part of the water derived from rain and snow is stored to supply wells and springs and to maintain the flow of streams during periods of fair weather. Water levels in wells register the stages of these natural reservoirs; they show the extent to which water supplies are depleted by drought or by heavy pumping for public waterworks, irrigation, or industrial uses and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The changes in pressure recorded on flowing wells indicate depletion or replenishment of the artesian reservoirs.

The regular publication of records of water levels and artesian pressure in the United States was begun by the Geological Survey in 1935 and has continued yearly since. The records for the entire country were published in a single volume each year through 1939. Beginning with 1940 the records have been published in six volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. (See fig. 1). The following table gives the numbers of these reports. This series of water-supply papers is in a sense an inventory, year by year, of the ground-water supplies of such parts of the country as have been covered.

Water-supply papers on water levels and artesian pressure in observation wells in the United States

Year	Northeastern States	Southeastern States	Northcentral States	Southcentral States	Northwestern States	Southwestern States and Hawaii
1935	777	777	777	777	777	777
1936	817	817	817	817	817	817
1937	840	840	840	840	840	840
1938	845	845	845	845	845	845
1939	886	886	886	886	886	886
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949

The present volume covers the northwestern section and gives records of water level and artesian pressure in about 1,200 observation wells of the Geological Survey and cooperating agencies in Colorado, Idaho, Oregon, Utah, Washington, and Wyoming. Of these wells, 17 are equipped with automatic water-stage recorders. For some wells not previously reported, complete records of water level are given in this volume, including those for the years before 1942. For wells whose previous records have been published this volume gives only the current records. If a complete description of a well has been published in a previous report, only the well number or the well number and a brief identifying description are given in this report. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in the paper whose number is so marked. This report includes about 9,120 individual determinations of water level and artesian pressure.

The water levels in this report are given with reference to datum planes of different kinds. Some are given in depths below the measuring point, which is a recognized reference mark at or near the top of the well from which the depth to water level is usually measured; others are given in height above an assumed datum plane; and still others are given in feet below the land-surface datum, which is a precise plane that approximates the land surface in the vicinity of the well.

Acknowledgments for effective services in the preparation of this report are due Misses Dorothy Ireland and Thelma Walls, who typed the offset copy, and to Mrs. Bertha Dale who prepared the illustrations.

Network of key observation wells

During 1942 the Geological Survey established a network of key observation wells in order to make available current information on general ground-water conditions over the country. The wells were selected because the fluctuations of water level in them are believed to be typical, and

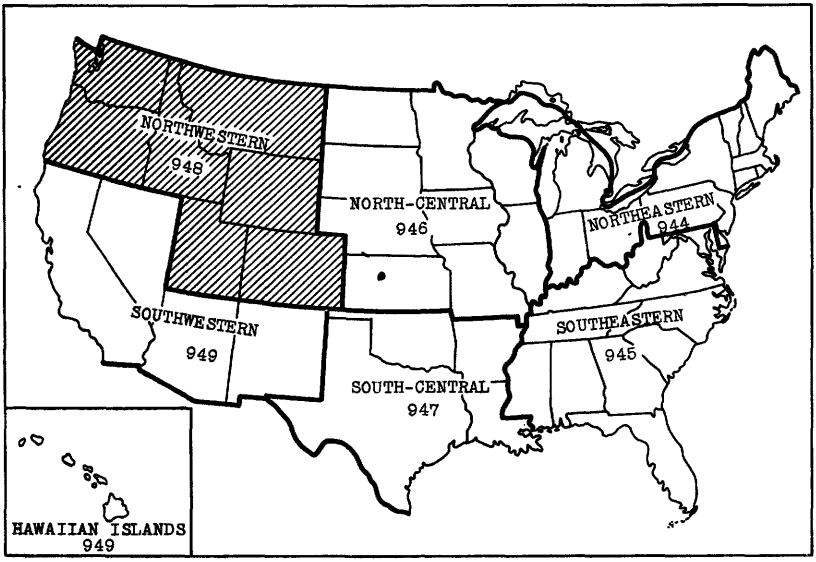

Figure 1.--Outline map of the United States, showing sections of the country covered by the six water-supply papers on water levels and artesian pressure in observation wells in 1942. The shaded section represents the part of the country covered by this volume.

they represent the general fluctuations that occur in the parts of the country in which the wells are situated. At the end of 1942 the network included about 130 wells in 40 States. About 40 of the wells were established expressly for the network in 1942; the other 90 were selected from wells measured regularly in connection with cooperative ground-water investigations. The coverage of the country is still far from adequate, and it is expected that some wells not now included will be added to the network from time to time.

GENERAL SUMMARY OF CHANGES IN GROUND-WATER LEVEL IN 1942 IN THE NORTHWESTERN PART OF THE UNITED STATES

In 1942 the precipitation was above normal in four of the States that make up the northwestern section, that is, in all except Utah and Washington, and as a result, the water levels in many wells of this section were maintained at comparatively high stages. The fluctuations of water level and artesian pressure in wells depend, however, on many factors besides the amount of precipitation. Consequently, it is usually not possible to find a simple relation between the changes in water level or artesian pressure and the departure from normal precipitation.

The following statements are taken chiefly from the interpretive texts that appear in this volume under the several States. They summarize the changes in ground-water level and artesian pressure that occurred in 1942 in the parts of the underground reservoirs that are tapped by the observation wells in the northwestern States.

Idaho.--The average of the water levels in four wells in the Rathdrum Prairie area, in Bonner and Kootenai Counties, was 0.85 foot higher at the end of 1942 than at the end of 1941. Precipitation in this area was slightly less than normal.

Oregon.--Observations of the water levels in wells were carried on in six areas in Oregon in 1942--Baker Valley, Fort Rock Valley, Grande Ronde Valley, Harney Basin, Walla Walla Basin, and Willamette Valley. The average water levels in the Baker Valley and the Harney Basin were lower than in September 1941--0.7 foot lower in the Baker Valley and 0.5 foot lower in the Harney Basin. From September 1941 to October 1942 the average water levels in the Fort Rock Valley rose 0.5 foot. Excessive rainfall and runoff in 1942 caused the water levels in the Walla Walla Basin to rise to abnormal highs--2.3 feet, on the average, above the stages reached in December 1941. In the Willamette Valley, in western Oregon, water levels in January 1942 were considerably higher than usual; in October they were low, on the average somewhat more than 0.5 foot below the stages of September 1941. However, by December 1942 they were probably again unusually high, owing to excessive precipitation.

Utah.--The trend of water-level fluctuations in Utah in 1942 varied considerably among the ground-water basins in the State and within each basin. In general, wells in the deeper aquifers and in the central parts

of the basins rose above their levels of 1941, whereas wells in the shallow aquifers and in the marginal recharge areas declined below their levels of 1941. For the State as a whole there was probably a net increase of ground-water storage over preceding years: 26 areas had positive net changes ranging from 0.3 foot to 4.8 feet, 7 areas had little or no change, and 11 areas had negative net changes ranging from 0.3 foot to 2.6 feet. In more than half of the ground-water areas the average water levels were higher than in any other year since 1935, when water-level records were begun.

Washington.--In Spokane County, there was a net decline in water level in 13 wells and a net rise in 2 wells; the average yearly change in level was a decline of 0.72 foot. From early November 1941 to early May 1942, however, there was an average rise in water level in all 15 wells of 4.10 feet, but from early May until November 1942 there was an average decline of 4.82 feet in all wells. Water levels in all observation wells were lower than usual throughout 1942. In all 15 wells the lowest water levels of 1942 were, on the average, only 2.54 feet above the lowest on record for those wells; on the other hand, the highest level during the year averaged 6.47 feet below the highest on record. The precipitation at Pullman, in Whitman County, was 93 percent of normal, but in the 13 observation wells near Pullman the water levels continued to rise from the record lows of 1940. This rise began in 1941 and apparently was carried over into 1942 by reason of the excessive precipitation of both 1940 and 1941. In 10 of the 13 observation wells the highest level reached in the spring of 1942 was lower than the highest reached in 1941, but in 3 of the wells the highest level reached was higher than the highest of 1941. The lowest level in the autumn of 1942 was higher than the low of 1941 in 9 wells but lower in 4 wells.

Wyoming.--Precipitation in the Egbert-Pine Bluffs area, as measured at Pine Bluffs, was 2.53 inches above normal in 1942. The water levels in the wells penetrating the Brule formation rose following the early summer rains and declined through the irrigation season, in late summer. In most wells, however, the decline was less than the rise that had taken place earlier, and as a result, the water levels in general were higher in December 1942 than in December 1941. In the remaining 16 wells the water

levels were 0.13 foot to 5.24 feet higher in December 1942 than in December 1941. The average net change for the 22 wells from December 1941 to December 1942 was a rise of 1.79 feet. In the same period the water levels in the wells in the western part of the area declined 0.06 to 0.09 foot in four wells, rose 0.06 foot in one well and 0.18 foot in one, and did not change in one. The average net change for the seven wells was a decline of 0.01 foot.

The water levels in most of the wells in the part of the Carpenter area that is in the High Plains changed little during the period August to December 1942. No records are available for the period January to July.

The water levels in wells in the Cheyenne well field and vicinity declined steadily until early in April, at which time pumping stopped for two weeks. From April to December the water levels fluctuated with the local pumping but in most of the wells did not decline appreciably.

COLORADO

By S. W. Lohman

INTRODUCTION

Four observation wells were established in Colorado in the fall of 1942 to serve as key wells in the network of shallow observation wells being maintained by the Geological Survey, United States Department of the Interior. Wells situated near Geological Survey stream-gaging stations were selected in order that for each drainage basin comparison might be made between the ground-water levels and the stream stages. Well 79 is situated near Carbondale, in the valley of Roaring Fork, about 10 miles upstream from the gaging station on that stream at Glenwood Springs. Well 79a is in the valley of Crystal River, a tributary of Roaring Fork, about 5 miles upstream from Carbondale. Well 80 is in the valley of Arkansas River, a few miles upstream from Pueblo and not far from the gaging station designated as near Pueblo. Well 81 is in the valley of South Platte River, near the village of Sheridan and 1 mile south of the city limits of Denver.

The wells were selected and described by the writer with the able assistance of J. Harold Baily, office engineer in the Denver office of the Division of Surface Water, Geological Survey, United States Department of the Interior. The water levels in wells 79, 79a, and 81 are measured monthly by engineers from the Denver office through the courtesy of Robert Follansbee, district engineer. The water level in well 80 is measured monthly by the owner, C. M. Ellsworth. Well 81 was put down for the Geological Survey by Frank Hornbuckle, under the supervision of J. Harold Baily. In all, 19 wetted-tape measurements were made in these four wells in 1942.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Observation wells in Colorado are listed alphabetically by counties. The water level in each well is expressed in feet below land-surface datum, which is a precise plane of reference that coincides with the average level of the land surface at each well. In the descriptive text preceding the water levels given for each well, the position of that reference plane is

defined with reference to the current measuring point at the well.

Arapahoe County

U. S. 81. Frank Hornbuckle. SE¼SW¼ sec. 33, T. 4 S., R. 68 W. Driven observation well, diameter 1¼ inches, depth 22.5 feet. Finished with 3-foot screened drive point, ending in alluvium. Measuring point, top of pipe, 3.0 feet above land surface. Water levels, in feet below land-surface datum, 1942: Sept. 21, 6.43; Oct. 20, 6.28; Nov. 27, 7.35; Dec. 30, 7.47.

Garfield County

U. S. 79. J. F. Smith. NW¼NE¼ sec. 29, T. 7 S., R. 88 W. Used dug domestic well, diameter 36 inches, depth 41.6 feet. Curbed with stone; obtains water from coarse terrace deposits. Measuring point, top of edge of wooden windlass frame, on south side, 3.3 feet above land-surface. Equipped with windlass; several bucketfuls of water withdrawn daily.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Sept.10	30.56	Oct. 16	31.60	Dec. 9	35.77
21	31.00	Nov. 21	35.11		

Pitkin County

U. S. 79a. R. O. Sewell. SW¼NW¼ sec. 27, T. 8 S., R. 88 W. Used dug domestic well, diameter 36 inches, depth 37.5 feet. Curbed with stone; obtains water from terrace deposits. Measuring point, top edge of concrete curb, on west side, 2.5 feet above concrete porch, 5.0 feet above land surface. Equipped with bucket and rope; several bucketfuls of water withdrawn daily.

Water level, in feet below land-surface datum, 1942

Sept.10	23.81	Oct. 16	24.40	Dec. 25	28.50
21	18.95	Nov. 21	27.79		

Pueblo County

U. S. 80. C. M. Ellsworth. NE¼NE¼ sec. 33, T. 20 S., R. 65 W. Unused dug well, uncurbed, diameter 36 inches, depth 11.5 feet. Ends in shale of Niobrara formation. Measuring point, top edge of plank in middle of platform, on north side of pump, 0.4 foot above land surface. Equipped with hand pump.

Water level, in feet below land-surface datum, 1942

Sept.11	10.33	Oct. 25	10.28	Dec. 25	10.65
25	10.31	Nov. 26	10.33		

IDAHO

By L. C. Huff and G. C. Taylor, Jr.

During 1942 periodic measurements of water level were continued in six wells in Idaho that are included in two observation-well projects, mainly in Washington, in which the Geological Survey, United States Department of the Interior, is cooperating with organizations in that State. These projects, which are discussed in the section of this volume that deals with Washington, are the Spokane Valley-Rathdrum Prairie project and the Palouse River area project. In all, 60 measurements were made in Idaho during the year.

RATHDRUM PRAIRIE AREA

In the Rathdrum Prairie area, which is in Bonner and Koctenai Counties, 58 measurements of water level were made by tape and float gage in five wells. Measurements were made at intervals of one month in three of the wells and at intervals of two months in the two remaining wells. A float gage was installed in one well and, beginning in September, this gage was read weekly by the owner. One new observation well was established during the year.

In all five observation wells in this area the water level remained lower than average throughout the year. The yearly precipitation was also slightly less than average. In a group of four wells the average year-end water level was 0.85 foot higher in 1942 than in 1941. In a group of three wells the average of the means between the highest and the lowest water levels of 1942 was 1.17 feet below the average of the means between the highest and the lowest water levels yet recorded for any year. In these same three wells the highest water level in 1942 was 9.79 feet below the highest of record, and the lowest was 7.26 feet above the lowest of record. The following table summarizes the water-level changes in the area during 1942.

Fluctuations, in feet, of water levels in 4 wells in the Rathdrum Prairie area, 1942

Rise from year-end water level of 1941 to highest level of 1942:	
Greatest	4.41
Least	.92
Mean	2.35
Decline from highest level to year-end level, 1942:	

Fluctuations, in feet, of water levels in 4 wells in the Rathdrum Prairie area, 1942-Continued

Greatest	3.03
Least	.01
Mean	1.50

Net change during 1942:

Greatest rise	1.62
Greatest decline	.49
Mean (rise)	.85

PALOUSE RIVER AREA

In the Palouse River area of Idaho, which is in Latah County, in the basin of the South Fork of the Palouse River, two measurements were made in one well. The program was terminated in April with the destruction of the well.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Observation wells in Idaho are listed alphabetically by counties and numerically within each county. For convenience, the names of the appropriate ground-water areas are added after the county names. A complete description is given for the newly added well only. The numbers in parentheses immediately following a well number indicate the water-supply papers in which the earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in that paper. The water-level in each well is expressed in feet below land-surface datum, which is a precise plane of reference that coincides with the average level of the land surface of each well. In the descriptive text preceding the water levels given for each well, the position of that reference plane is defined with reference to the current measuring point at the well and to the datum planes for water levels published in earlier reports.

Bonner County - Rathdrum Prairie area

54/4W-27M1 (886, p. 91; 889-B, p. 137 ; 910, p. 10; 940, p. 8) Listed as 54/5W-27M1 in previous reports. J. C. Natvig. Land-surface datum is 2,431.37 feet above sea-level datum of 1929, 434.42 feet above local datum previously used and 0.12 foot below measuring point used since Aug. 8, 1941, which is top, on east side, of 8-by 10-inch timber at copper nail with washer.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 4	244.58	June 2	244.11	Oct. 7	243.31
Apr. 11	244.48	Aug. 12	244.60	Dec. 14	243.32

Kootenai County - Rathdrum Prairie area

50/5W-1A1 (886, p. 92; 889-B, p. 133 ; 910, p. 10; 940, p. 8). Washington Water Power Co. well 96. Post Falls Irrigated District. Land-surface datum is 2,192.90 feet above sea-level datum of 1929, 248.70 feet above local datum previously used and level with measuring point. Pump operating in well at time of each water-level measurement.

50/5W-1A1. Washington Water Power Co.--Continued.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	201.13	Mar. 31	202.38	July 3	199.35	Oct. 7	197.48
Feb. 5	201.79	May 5	202.19	Aug. 12	196.79	Nov. 10	198.70
Mar. 2	201.50	June 2	201.19	Sept.14	196.72	Dec. 14	199.75

51/5W-33D1 (886, p. 92; 889-B, p. 135; 910, p. 10; 940, p. 9). Washington Water Power Co. well 58. Spokane International Railway Co. Land-surface datum is 2,138.14 feet above sea-level datum of 1929, 224.69 feet above local datum previously used, and 1.34 feet below measuring point used since May 5, 1942, which is top of plank cover 2 feet northeast of pump at copper nail with washer.

Water level, in feet below land-surface datum, 1942

Jan. 2	a156.17	Mar. 31	157.65	July 3	154.96	Oct. 7	155.35
Feb. 6	157.54	May 5	156.33	Aug. 12	a154.74	Nov. 10	156.28
Mar. 2	155.58	June 2	155.48	Sept.18	154.68	Dec. 14	156.35

53/3W-15A1. Walter Irvin Estate. NE¼NE¼ sec. 15, T. 53 N., R. 3 W. About 100 feet south of Athol-Bayview county road and 0.24 mile west of northeast corner of section. Dug domestic well, diameter 36 inches, depth 370 feet, with open-bottom plank curb. Measuring point, upper edge of 2-by 6-inch plank on south side of well, level with land-surface datum, which is 2,448 feet above preliminary sea-level datum. Water level, in feet below land-surface datum, 1942: Feb. 5, 362.87; Apr. 11, 363.63; June 2, 363.70; Aug. 12, b/.

53/4W-24D1 (886, p. 92; 889-B, pp. 136-137; 910, p. 10; 940, p. 9). C. T. Jurgens. Land-surface datum is 2,486.53 feet above sea-level datum of 1929, 489.58 feet above local datum previously used, and 2.00 feet below measuring point (1). Float gage installed September 1, 1942. Except as indicated by footnote, water levels are from float-gage readings by owner.

Water level, in feet below land-surface datum, 1942

Feb. 5	c470.88	Sept. 1	c467.94	Oct. 12	468.28	Nov. 16	468.74
Mar. 2	c470.05	7	468.00	19	468.37	23	468.84
Apr. 11	c470.28	14	c468.05	26	468.46	30	468.96
May 5	c469.85	21	468.11	Nov. 2	468.56	Dec. 14	c469.13
June 2	c469.40	28	468.16	9	468.63	21	469.20
July 3	c468.75	Oct. 7	c468.27	10	c468.64	28	469.26
Aug. 12	c467.84						

Latah County - Palouse River area

40/6-36F1 (*845, p. 690; 886, p. 92; 910, p. 10; 940, p. 9). Latah County. Land-surface datum is 18.25 feet above assumed datum previously used and level with measuring point. Water levels, in feet below land-surface datum, 1942: Feb. 3, 2.58; Apr. 1, 1.96. Well later destroyed, measurements discontinued.

a Pump operating in well.
b Measurements temporarily discontinued.
c Measurement by Geological Survey or Washington Water Power Co.

OREGON

By L. C. Huff

INTRODUCTION

The observation-well program in Oregon, which covers six typical areas, was continued during 1942 by the Geological Survey, United States Department of the Interior, in cooperation with the Oregon State engineer and the Oregon Agricultural Experiment Station. In all, 531 measurements were made in 55 observation wells; no observation wells were established and none were discontinued. No water-level recorders were operated.

A report on the Willamette Valley was published during the year.[1/] A report on reconnaissance investigation of ground-water conditions in Lake County, made in cooperation with the Oregon Agricultural Experiment Station, is in preparation.

Ground-water levels in western Oregon fluctuate differently from those in eastern Oregon, owing to the fact that the climate differs in the two parts of the State. Each part is therefore discussed separately as to the conditions that affect the water levels in its wells.

Western Oregon

The western part of Oregon--the part that lies between the Pacific Ocean and the crest of the Cascade Range--is largely humid or superhumid. On the principal lowland of this region, the Willamette Valley, a large part of the yearly precipitation occurs during the winter and very little occurs during the summer. Because the soil ordinarily is not frozen in winter, excessively heavy rainfall causes ready infiltration to the water table, which commonly reaches its highest level in January or February, remains relatively high through March and perhaps April, and then declines steadily until November or December.

Water levels were measured by the writer in all observation wells of the Willamette Valley during January and October 1942. In January the water levels in this valley were considerably higher than usual; in October they were low--on the average somewhat more than 0.50 foot below the stage of September 1941. However, by December 1942 they were probably again unusually high, owing to excessive precipitation.

1/ Piper, A. M., Ground-water resources of the Willamette Valley, Oreg.: U. S. Geol. Survey Water-Supply Paper 890, 194 pp., 1942.

In the present report, records of water levels in wells in western Oregon are included with those of wells in eastern Oregon in the section bearing the heading "Well descriptions and water-level measurements," under which the wells are listed by counties. The wells in western Oregon are in Benton, Clackamas, Lane, Linn, Marion, Multnomah, and Yamhill Counties.

Eastern Oregon

The part of Oregon east of the Cascade Range, designated herein as eastern Oregon, is largely a volcanic terrane of moderate altitude and relief; the climate is semiarid. In this region the ground-water bodies of greatest potential yield occur in the unconsolidated materials that floor the numerous valleys or basins. These several ground-water bodies occur under similar conditions, but each is somewhat distinctive in the manner and amount of its replenishment and discharge. The five valleys in which observation wells are maintained, namely, the Baker, Fort Rock, and Grande Valleys and the Ronde, Harney and Walla Walla Basins, are typical of the ground-water areas in eastern Oregon.

In the Baker Valley and the Harney Basin the water level starts to rise in late autumn or early winter, as the vegetation ceases to consume water, then rises somewhat more rapidly in the spring, as the valley plains are flooded extensively by meltwater from the snow on them and on the enclosing mountains. The water level is highest in late spring or early summer and then declines steadily until about the end of the growing season. The ordinary yearly range in water level is from a few feet to about 10 feet. In the Baker Valley and the Harney Basin the ground-water level averaged lower in October 1942 than in September 1941--0.7 foot lower in the Baker Valley and 0.5 foot lower in the Harney Basin.

In the Grande Ronde and Fort Rock Valleys, in northeastern and central Oregon, respectively, the observation wells tap bodies of ground water whose levels commonly fluctuate less than a foot a year. From September 1941 to October 1942 the average water level in the Fort Rock Valley rose 0.5 foot.

In the Walla Walla Basin, in northeastern Oregon, the ground-water level ordinarily declines slowly through autumn and winter and into the spring until about April, rises rapidly in May or June concurrently with the seasonal freshet in the Walla Walla River, and then declines until the next period of replenishment. In many years the fluctuation in water level is as

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much as 25 feet in the higher parts of the basin. Excessive rainfall and runoff late in 1942 caused the ground-water level to rise abnormally high--on the average, 2.3 feet above the stage reached in December 1941. (See fig. 2).

Water levels in all observation wells of the five ground-water areas of eastern Oregon here discussed were measured during January and October 1942 by the writer. In the Harney Basin one observation well was equipped with a float gage in November 1942; thereafter, readings were taken about weekly by Newton Hotchkiss, observer. In the Walla Walla Basin, measurements were made in each well once or twice a month by J. M. Spencer and W. C. Mason, of the district watermaster's office. In addition float gages were maintained at two wells and were read periodically by the owners, Mrs. Nadine Goodman Whipple and Walter Hermann.

In the present report, records of water levels in wells in eastern Oregon are included with those of wells in western Oregon in the following section, headed "Well descriptions and water-level measurements," under which the wells are listed by counties. The wells in eastern Oregon are in Baker, Harney, Lake, Umatilla, and Union Counties.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Observation wells in Oregon are listed alphabetically by counties and numerically within each county. For convenience the names of the appropriate ground-water areas as used in this report are added after the county names. Complete descriptions are given only for newly added wells. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in that paper. The water level in each well is expressed in feet below land-surface datum, which is a precise plane of reference that coincides with the average level of the land-surface at each well. In the descriptive text preceding the water levels given for each well, the position of that precise plane is defined with reference to the current measuring point at the well and to the datum planes for water levels published in earlier reports.

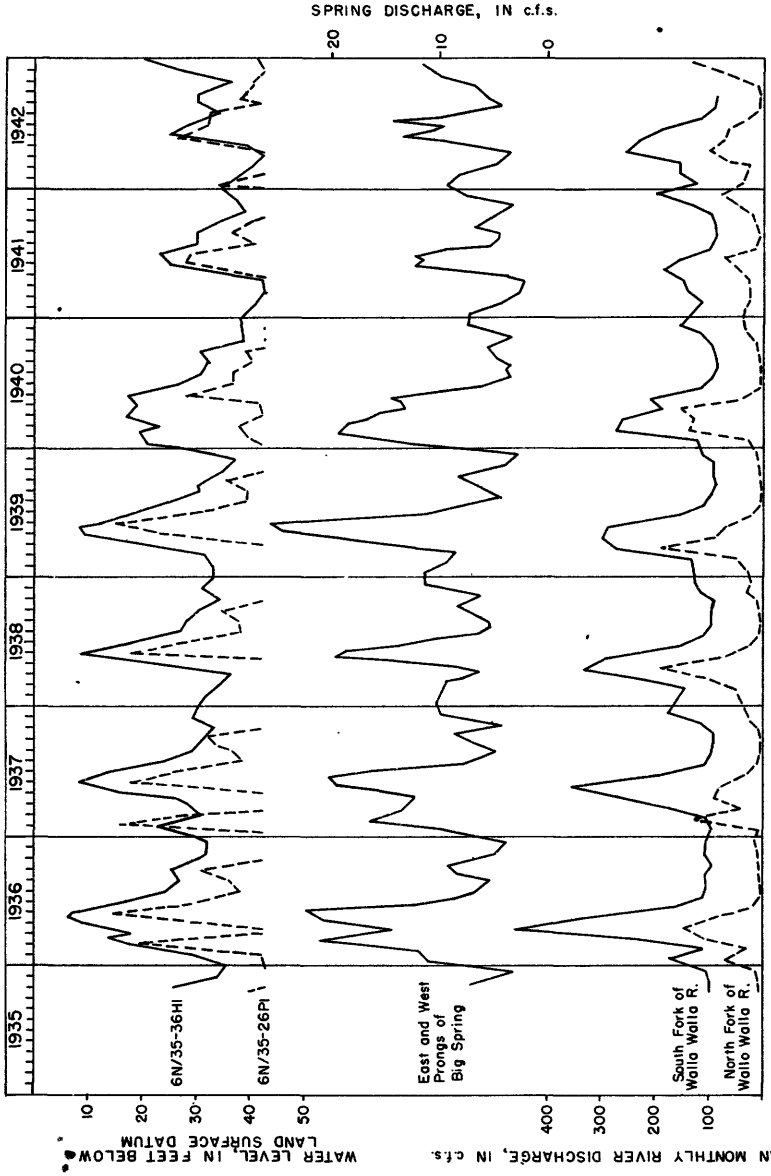

Figure 2.—Comparison of ground-water levels with spring and river discharge in the Walla Walla Basin, Oreg., 1935-42.

Baker County - Baker Valley

7/39-20N1 (*817,p.239; 845,p.405; 886,p.617; 910,p.19; 940,p.16). City of Baker. Permanent observation well. Land-surface datum is 3,373.80 feet above sea-level datum of 1929 and 1.00 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 6, 3.98; Oct. 22, 6.88.

8/39-22F1 (*817,p.240; 845,p.405; 886,p.617; 910,p.19; 940,p.16). Baker County. Permanent observation well. Land-surface datum is 3,385.78 feet above sea-level datum of 1929 and 0.50 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 6, 3.55; Oct. 22, 4.49.

8/40-19D1 (*817,p.240; 845,p.405; 886,p.617; 910,p.19; 940,p.16). Baker County. Permanent observation well. Land-surface datum, 3,341.95 feet above sea-level datum of 1929 and 0.50 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 6, 2.56; Oct. 22, 6.05.

8/40-23A1 (*817,p.240; 845,p.405; 886,p.617; 910,p.19; 940,p.16). Baker County. Permanent observation well. Land-surface datum is 3,347.24 feet above sea-level datum of 1929 and 1.50 feet below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 6, 3.49; Oct. 22, 4.35.

9/40-8N1 (*817,p.241; 845,p.405; 886,p.617; 910,p.19; 940,p.16). City of Baker. Permanent observation well. Land-surface datum is 3,412.74 feet above sea-level datum 1929 and 0.50 foot below measuring point. Well dry on Jan. 6 and Oct. 22, 1942: discontinued as observation well until deepened.

Benton County - Willamette Valley

596 (*845,p.413; 886,p.622; *890,p.182; 910,p.25; 940,p.17). Mrs. Thomas Harvey. Formerly owned by W. E. Thomas. SE¼SE¼ sec. 10, T. 14 S., R. 5W. Land-surface datum is 267.49 feet above sea-level datum of 1929 and 2.90 feet below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 10, 5.19; Oct. 27, 14.12.

Clackamas County - Willamette Valley

100 (*845,p.412; 886,p.622; *890,p.144; 910,p.25; *940,p.17). Pietro Presutti. SW¼NW¼ sec. 30, T. 3 W., R. 1E. Confined water. Land-surface datum is 158.88 feet above sea-level datum of 1929 and 0.30 feet below top of 6-inch casing. Water levels, in feet below land-surface datum, 1942: Jan. 12, 41.54; Oct. 28, 52.69.

Harney County - Harney Basin

22/31-34N1 (*817,p.243; *841,p.152; 845,p.406; 886,p.618; 910,p.19; 940, p.17). This is well 5 in Water-Supply Paper 841. Frank Whiting. Confined water. Land-surface datum is 4,153.17 feet above sea-level datum of 1929 and 1.00 foot below measuring point (2). Water levels, in feet below land-surface datum, 1942: Jan. 7, a/9.86; Oct. 23, 10.52.

23/31-3D2 (*777,p.151; *817,p.244; *845,p.406; 886,p.618; 910,p.19; 940, p.17). Harney County. Permanent water-table observation well. Land-surface datum is 4,153.12 feet above sea-level datum of 1929 and 1.00 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 7, 5.50; Oct. 23, 7.30.

23/31-14A3 (*777,p.151; *817,p.245; 845,p.406; 886,p.618; 910,p.19; 940, p.17). Harney County. Permanent water-table observation well. Land-surface datum is 4,142.55 feet above sea-level datum of 1929 and 0.50 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 7, 10.29; Oct. 23, 10.07.

23/31-16E1 (*777,p.151; *817,p.245; 845,p.406; 886,p.618; 910,p.19; 940, p.17). Harney County. Permanent water-table observation well. Land-surface datum is 4,146.30 feet above sea-level datum of 1929 and 1.00 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 8, 6.89; Oct. 23, 7.80.

23/31-33E1 (*777,p.152; *817,p.245; 845,p.406; 886,p.618; 910,p.19; 940, p.17). Harney County. Permanent water-table observation well. Land-surface datum is 4,134.02 feet above sea-level datum of 1929 and 1.00 foot below measuring point. Float gage installed Nov. 30, 1942; readings by Newton Hotchkiss, observer, beginning Dec. 6.

a Pump stopped just before measurement.

23/31-33E1. Harney County--Continued.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	4.95	Nov. 30	6.66	Dec. 13	6.35	Dec. 28	6.02
Oct. 23	6.87	Dec. 6	6.38	20	6.20		

23/32-7L1 (*777, p. 152; *817, p. 245; *841, p. 163; 845, p. 406; 886, p. 618; 910, p. 19; 940, p. 17). Harney Branch Experiment Station. Water-table well. Land-surface datum is 4,135.24 feet above sea-level datum of 1929 and 0.40 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 2, 7.60; Jan. 7, 7.57; Oct. 23, 7.28.

23/32-7L2 (*777, p. 152; *817, p. 246; *841, p. 164; 845, p. 407; 886, p. 618; 910, p. 19; 940, p. 18). This is well 94 in Water-Supply Paper 941. Harney Branch Experiment Station. Confined water. Land-surface datum is 4,135.24 feet above sea-level datum of 1929 and level with top of concrete floor. Water levels, in feet below land-surface datum, 1942: Jan. 7, 6.19; Oct. 23, 6.65.

(23/32-7Q3 (*817, p. 246; 845, p. 407; 886, p. 618; 910, p. 20; 940, p. 18). Harney Branch Experiment Station. Water-table well. Land-surface datum is 4,137.21 feet above sea-level datum of 1929 and level with measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 2, 9.59; Jan. 7, 9.55; Oct. 23, 9.64.

23/32-30R1 (*777, p. 152; *817, p. 247; 845, p. 407; 886, p. 618; 910, p. 20; 940, p. 18). Harney County. Permanent water-table observation well. Land-surface datum is 4,137.77 feet above sea-level datum of 1929 and 1.50 feet below measuring point. (In Water-Supply Paper 817, the distance of the reference bench mark below the measuring point is erroneously given as 0.63 foot; this should be corrected to read 0.51 foot. In Water-Supply Paper 940, the first date of measurement in 1941 is erroneously given as May 28; this should be corrected to read March 28.) Water levels, in feet below land-surface datum, 1942: Jan. 8, 13.00; Oct. 23, 12.24.

24/31-28E1 (*777, p. 152; *817, p. 247; 845, p. 407; 886, p. 619; 910, p. 20; 940, p. 18). Harney County. Permanent water-table observation well. Land-surface datum is 4,124.44 feet above sea-level datum of 1929 and 1.50 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 8, 10.28; Oct. 23, 9.56.

24/32-24R1 (*777, p. 152; *817, p. 247; 845, p. 407; 886, p. 619; 910, p. 20; 940, p. 18). Harney County. Permanent water-table observation well. Land-surface datum is 4,110.11 feet above sea-level datum of 1929 and 1.00 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 8, 43.90; Oct. 23, 44.67.

Lake County - Fort Rock Valley

25/14-15E1 (*777, p. 160; *817, p. 241; *845, p. 405; 886, p. 617; 910, p. 20; 940, p. 19). Harry Crampton. Confined water. Land-surface datum is 55.30 feet above previous arbitrary datum and 0.30 foot below top of turbine-base flange. Water levels, in feet below land-surface datum, 1942: Jan. 9, 48.29; Oct. 24, 48.36.

26/15-22B1 (*777, p. 160; 817, p. 241; 845, p. 405; 886, p. 617; 910, p. 20; 940, p. 19). Soil Conservation Service. Formerly owned by Roy Morehouse. Confined water. Land-surface datum is 34.66 feet above previous arbitrary datum, 0.39 foot below top of 2- by 4-inch timber, and 0.25 foot below measuring point used since Oct. 24, 1942, which is top of 6- by 6-inch timber on east side of well at copper nail with washer. Water levels, in feet below land-surface datum, 1942: Jan. 9, 28.09; Oct. 24, 27.98.

27/15-4G1 (*777, p. 160; *817, p. 241; 845, p. 405; 886, p. 617; 910, p. 20; 940, p. 19). H. M. Parks. Confined water. Land-surface datum is 48.71 feet above previous arbitrary datum and 0.50 foot above measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 9, 41.60; Oct. 24, 41.65.

27/15-4G2 (*777,p.160; 817, p.241; *845,p.405; 886,p.617; 910,p.20; 940, p.19). H.M. Parks. Confined Water. Land-surface datum is 49.62 feet above previous arbitrary datum and 3.05 feet above bottom of cut-out in south side of casing. Water levels, in feet below land-surface datum, 1942: Jan. 9, 42.49; Oct. 24, 42.55.

27/17-22R2 (*845,p.406; *910,p.20; 940,p.19). W. D. Collins. Water-table well. Land-surface datum is 34.87 feet above previous arbitrary datum and 0.10 foot below top of concrete block and casing. Water levels, in feet below land-surface datum, 1942: Jan. 9, 27.76; Oct. 24, 27.78.

27/18-6E2 (*910,p.20; 940,p.19). W. D. Collins. Water-table well. Land-surface datum is 100.00 feet above previous arbitrary datum and level with top of casing. Water level, in feet below land-surface datum, 1942: Oct. 24, 23.49.

27/18-7N1 (*845,p.406; 886,p.617; 910,p.20; 940,p.19). M. S. Buchanan. Water-table well. Land-surface datum is 33.62 feet above previous arbitrary datum and 0.70 foot below measuring point. Water-levels, in feet below land-surface datum, 1942: Jan. 9, 26.15; Oct. 24, 29.40.

Lake County - Willow Creek Valley

26/21-6B1(*940,p.19). C. W. E. Jennings. Water-table well. Land-surface datum is 4,321.6 feet above preliminary sea-level datum and 1.00 foot below measuring point. Water-levels, in feet below land-surface datum, 1942: Jan. 8, 16.10; Oct. 24, 15.65.

Lane County - Willamette Valley

636 (*777,p.149; *817,p.259; 845,p.413; 886,p.623; *890,p.187; 910,p. 25; 940,p.19). Junction City NW¼SW¼ sec. 32, T. 15 S., R. 4 W. Land-surface datum is 323.4 feet above sea-level datum of 1929 and level with measuring point. Water levels, in feet below land-surface, 1942: Jan. 10, 4.03; Oct. 27, 10.27.

680 (*777,p.149;*817,p.259; 845,p.413; 886,p.623; *890,p.190; 910,p.25; 940,p.19). Leo Sidwell. SW¼NE¼ sec. 32, T. 16 S., R. 3 W. Land-surface datum is 388.98 feet above sea-level datum of 1929 and level with measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 10, 8.80; Oct. 27, 12.03.

Linn County - Willamette Valley

421 (*777,p.147; *817,p.257; *845,p.412; 886,p.623; *890,p.167; 910,p.25; 940,p.20). Henry Hoefer. SE¼NW¼ sec. 12, T. 10 S., R. 4 W. Land-surface datum is 185.74 feet above sea-level datum of 1929 and about 3.35 feet above measuring point (2). Water levels, in feet below land-surface datum, 1942: Jan. 11, 16.55; Oct. 27, 23.38.

463 (*777,p.147; *817,p.258; *845,p.412; 886,p.623; *890,p.171; 910,p.25; 940,p.20). Oregon Agricultural Experiment Station, East Farm. SW¼SE¼ sec.36, T. 11 S., R. 5 W. Land-surface datum is 218.27 feet above sea-level datum of 1929, 21.10 feet above top of casing, and 2.70 feet below top of 6-by 6-inch timber girt of curb. Altitudes given in Water-Supply Papers 777, 817, and 845 should be corrected accordingly. Water levels, in feet below land-surface datum, 1942: Jan. 10, 13.67; Oct. 27, 24.83.

553 (*777,p.148; *817,p.258; *845,p.413; 886,p.623; *890,p.178; 910,p.25; *940,p.20). J. H. Swatzka. SE¼SE¼ sec. 9, T. 12 S., R. 3 W. Land-surface datum is 272.79 feet above sea-level datum of 1929 and about 0.05 foot above steel lip of concrete collar of curb. Water levels, in feet below land-surface datum, 1942: Jan. 11, 2.40; Oct. 27, 13.94.

568a (* 940,p.20). Sigurd H. Lanstrom. NW¼NE¼ sec. 14, T. 12 S., R. 2 W. Land-surface datum is about 346 feet above sea-level datum of 1929 and 1.00 foot above measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 11, 5.63; Oct. 27, 11.22.

590 (*777,p. 149; *817,p.259; 945,p.413; 886,p.623; *890,p.182; 910,p.25; 940,p.20). Keeney School District 51. SW¼SW¼ sec. 34, T. 13 S., R. 3 W. Land-surface datum is 285.0 feet above sea-level datum of 1929 and 2.50 feet below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 10, 2.29; Oct. 27, 7.08.

Marion County - Willamette Valley

158 (*777,p.145; *817,p.256; 845,p.412; 886,p.623; *890,p.146; 910,p.25; 940,p.20). W. J. Gering. NE¼NW¼ sec. 4, T. 4 S., R. 2W. Land-surface datum is 123.57 feet above sea-level datum of 1929 and 1.80 feet below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 11, 13.47; Oct. 28, 17.22.

171 (*777,p.145; *817,p.256; *845,p.412; 886,p.623; *890,p.148; 910,p.25; *940,p.20). Johnson School. SE¼SE¼ sec. 34, T. 4 S., R. 2W. Land-surface datum is 172.86 feet above sea-level datum of 1929 and 1.80 feet below top of concrete-tile casing. (Altitude given in Water-Supply Paper 890 is in error.) Water levels, in feet below land-surface datum, 1942: Jan. 11, 1.41; Oct. 28, 16.90.

172 (*845,p.412; 886,p.623; *890,p.149; *910,p.25; 940,p.20). W. F. Keil. NE¼NW¼ sec. 2, T. 4 S., R. 1W. Land-surface datum is 186.69 feet above sea-level datum of 1929 and 1.00 foot below top of pump-base flange. Water levels, in feet below land-surface datum, 1942: Jan. 12, 1.60; Oct. 28, 14.95 (both slightly depressed by antecedent pumping).

245 (*845,p.412; 886,p.623; *890,p.153; 910,p.25; 940,p.20). Agricultural Research Corporation (Sam H. Brown). NW¼SW¼ sec. 25, T. 5 S., R. 2 W. Confined water. Land-surface datum is 180.31 feet above sea-level datum of 1929 and 1.00 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 12, 15.57; Oct. 28, 22.35.

297 (*777,p.146; *817,p.257; *845,p.412; 886,p.623; *890,p.157; 910,p.25; 940,p.20). Gideon E. Stolz. SE¼SE¼ sec. 33, T. 6 S., R. 3 W. Land-surface datum is 133.14 feet above sea-level datum of 1929 and 1.00 foot below top of timber pump support. (Altitudes as published in Water-Supply Papers 777 and 817 are in error. Water levels as published in Water-Supply Papers 817 should be 0.98 foot higher.) Water levels, in feet below land-surface datum, 1942: Jan. 11, 19.92; Oct. 29, 28.01.

318 (*777,p.147; *817,p.257; *845,p.412; 886,p.623; *890,p.159; 910,p.25; 940,p.20). Fred Lucht. NW¼SW¼ sec. 1, T. 6 S., R. 1 E. Land-surface datum is 260.38 feet above sea-level datum of 1929 and 1.00 foot below measuring point. (Altitudes as published in Water-Supply Paper 777 and 817 are in error. Water levels as published in Water-Supply Paper 817 should be 1.89 feet higher.) Water levels, in feet below land-surface datum, 1942: Jan. 12, 0.43; Oct. 28, 12.08.

Multnomah County - Willamette Valley

1N/1E-34N1 (*940,p.20). Weisfield & Goldberg. Land-surface datum is 37.20 feet above sea-level datum of 1929 and 10.43 feet above measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	28.06	Mar. 13	29.21	June 8	27.12	Oct. 19	31.50
19	28.59	25	29.41	19	26.07	Nov. 23	30.00
27	28.76	Apr. 22	29.20	Aug. 3	29.01	30	28.96
Feb. 16	28.23	May 18	28.53	17	30.33	Dec. 14	27.79
Mar. 2	29.14	June 1	27.12	Sept.27	31.54	21	27.32

Umatilla County - Walla Walla Basin

5N/35-1C1 (*777,p.159; *817,p.255; 840,p.346; 845,p.411; 886,p.619; 910, p.21; 940,p.21). John Clark. Land-surface datum is 995.60 feet above sea-level datum of 1929 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 12	26.13	Apr. 25	26.11	July 11	24.58	Sept.11	26.62
Feb. 11	27.83	May 10	23.00	25	27.20	Oct. 10	26.48
Mar. 11	27.67	26	24.35	Aug. 11	26.76	Nov. 10	24.76
24	29.37	June 10	27.52	26	27.40	Dec. 14	22.27
Apr. 11	26.49	26	26.25				

5N/35-2C1 (*777,p.159; *817,p.256; 840,p.346; 845,p.411; 886,p.619; 910 p.21; 940,p.21). E. J. McSherry. Land-surface datum is 975.82 feet above sea-level datum of 1929 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	18.06	Apr. 24	17.20	July 10	a17.55	Sept.11	15.04
Feb. 10	17.26	May 10	17.47	24	a18.61	Oct. 10	16.38
Mar. 10	18.16	25	15.19	Aug. 10	14.85	Nov. 9	18.07
23	18.19	June 10	15.71	25	a17.90	Dec. 14	17.15
Apr. 10	16.95	26	13.75				

5N/35-3H1 (*777,p.160; *817,p.256; 84 p.346; *845,p.412; 886,p.619; 910,p.21; 940,p.21). J. M. Morse Estate. Land-surface datum is 958.20 feet above sea-level datum of 1929 and 0.85 foot below measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 10	(b)	Apr. 24	21.41	July 10	16.87	Sept.11	18.05
Feb. 10	33.49	May 10	17.47	24	17.05	Oct. 10	20.01
Mar. 10	36.30	25	17.28	Aug. 10	17.66	Nov. 9	31.92
23	36.70	June 10	19.85	25	17.88	Dec. 14	20.45
Apr. 10	31.18	26	17.05				

6N/34-13R1 (*777,p.155; *817,p.251; 840,p.343; 845,p.408; 886,p.619; 910,p.21; 940,p.21). M. O. Beauchamp. Land-surface datum is 646.87 feet above sea-level datum of 1929 and 2.00 feet below measuring point. (Altitude of measuring point and land surface given in Water-Supply Papers 777 and 817 are in error.)

Water level, in feet below land-surface datum, 1942

Jan. 10	6.99	Apr. 24	7.71	July 10	4.98	Sept.11	6.02
Feb. 10	7.35	May 10	6.73	24	4.83	Oct. 10	6.75
Mar. 10	8.05	25	5.67	Aug. 10	5.25	Nov. 10	7.24
23	8.09	June 10	5.21	26	5.65	Dec. 15	6.99
Apr. 10	8.22	26	4.74				

6N/35-14L1 (*777,p.155; *817,p.251; 840,p.343; 845,p.408; 886,p.620; 910,p.22; 940,p.21). Conrad Miller. Land-surface datum is 789.76 feet above sea-level datum of 1929 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 12	8.78	Apr. 25	9.11	July 11	8.04	Sept.11	8.11
Feb. 11	c4.80	May 10	9.53	25	8.18	Oct. 10	6.65
Mar. 11	8.34	26	8.16	Aug. 11	7.80	Nov. 10	7.15
23	8.92	June 11	8.16	26	8.03	Dec. 15	7.38
Apr. 10	9.34	26	8.33				

6N/35-16B1[d] (*777,p.155; *817,p.251; 840,p.343; 845,p.408; 886,p.622; 910,p.24; 940,p.25). Claude Winn. Land-surface datum is 730.81 feet above sea-level datum of 1929 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 12	4.77	Apr. 25	4.85	July 10	5.05	Sept.11	5.70
Feb. 10	3.54	May 10	4.33	25	5.20	Oct. 10	4.91
Mar. 11	3.88	26	3.63	Aug. 10	5.40	Nov. 10	4.01
23	4.33	June 10	4.46	26	5.72	Dec. 15	3.12
Apr. 10	4.95	26	3.48				

6N/35-20G1 (*777,p.156; *817,p.251; 840,p.343; 845,p.408; 886,p.620; 910,p.22; 940,p.22). Herman Markman. Land-surface datum is 736.32 feet above sea-level datum of 1929 and 1.50 feet above measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 10	3.06	Apr. 24	5.40	July 10	2.07	Sept.11	7.18
Feb. 10	4.83	May 10	3.64	24	2.63	Oct. 10	8.78
Mar. 10	6.13	25	2.18	Aug. 10	a4.88	Nov. 9	7.93
23	6.38	June 10	1.76	25	5.77	Dec. 15	4.17
Apr. 10	6.64	26	1.61				

a Pump operating in well.
b Dry.
c Adjacent land being irrigated.
d This well is in Walla Walla County, Wash., just over the Oregon-Washington State line.

6N/35-20Q1 (*777,p.156; *817,p.251; 840,p.343; 845,p.408; 886,p.620; 910,p.22; 940,p.22). Mr. Jackson. Land-surface datum is 762.89 feet above sea-level datum of 1929 and 1.44 feet below measuring point (2).

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	33.94	Apr. 24	32.19	July 10	25.26	Sept.11	33.60
Feb. 10	(a)	May 10	29.24	24	26.83	Oct. 10	(a)
Mar. 10	(a)	25	27.08	Aug. 10	29.17	Nov. 9	34.18
23	(a)	June 10	26.26	25	31.56	Dec. 15	32.49
Apr. 10	35.39	26	26.44				

6N/35-21H1 (*777,p.156; *817,p.252; 840,p.343; 845,p.408; 886,p.620; 910,p.22; 940,p.22). Mr. Behnke. Land-surface datum is 784.62 feet above sea-level datum of 1929 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 10	22.69	Apr. 24	20.11	July 10	19.58	Sept.11	23.71
Feb. 10	22.25	May 10	19.37	24	19.77	Oct. 10	22.20
Mar. 10	21.85	25	13.38	Aug. 10	23.41	Nov. 9	14.98
23	17.33	June 10	17.87	25	23.36	Dec. 15	18.88
Apr. 10	19.24	26	17.29				

6N/35-24C1(*777,p.156; *817,p.252; 840,p.343; *845,p.409; 886,p.620; 910,p.22; 940,p.22). William Pomeringin. Land-surface datum is 851.04. feet above sea-level datum of 1929 and 10.19 feet above measuring point (2).

Water level, in feet below land-surface datum, 1942

Jan. 12	30.16	Apr. 25	30.84	July 11	29.07	Sept.11	29.79
Feb. 11	30.07	May 10	30.41	25	29.11	Oct. 10	29.59
Mar. 11	20.70	26	29.85	Aug. 11	29.09	Nov. 10	29.88
24	31.16	June 10	30.34	25	29.64	Dec. 15	29.45
Apr. 11	30.79	26	29.47				

6N/35-24Q1 (*777,p.156; *817,p.252; 840,p.344; 845,p.409; 886,p.620; 910,p.22; 940,p.22). C. B. Miller. Land-surface datum is 862.20 feet above sea-level datum of 1929 and 0.44 foot below measuring point (3).

Water level, in feet below land-surface datum, 1942

Jan. 12	11.11	Apr. 25	16.43	July 14	b17.88	Sept.11	18.54
Feb. 11	11.33	May 10	13.45	25	b18.63	Oct. 10	16.62
Mar. 11	13.57	26	11.43	Aug. 11	b21.56	Nov. 10	12.90
24	16.63	June 10	11.86	26	b26.02	Dec. 14	9.89
Apr. 11	13.59	26	13.54				

6N/35-26C2 (*777,p.157; *817,p.252; 840,p.344; *845,p.409; 886,p.620; 910,p.22; 940,p.22). Boerstler Estate. Land-surface datum is 867.12 feet above sea-level datum of 1929 and 0.60 foot below measuring point (3).

Water level, in feet below land-surface datum, 1942

Jan. 12	18.83	Apr. 25	21.05	July 11	14.58	Sept.11	19.72
Feb. 11	19.66	May 10	15.00	25	c17.46	Oct. 10	20.14
Mar. 11	24.85	26	12.47	Aug. 11	15.75	Nov. 10	17.74
24	26.22	June 10	15.73	26	21.50	Dec. 15	16.15
Apr. 11	25.56	26	15.77				

6N/35-26P1 (*777,p.157; *817,p.252; 840,p.344; 845,p.409; 886,p.621; 910,p.23; 940,p.23). O. K. Goodman Estate. Land-surface datum is 906.07 feet above sea-level datum of 1929 and 2.90 feet below measuring point. Except as indicated by footnote, levels are from float-gage readings by Mrs. Nadine Goodman Whipple.

Water level, in feet below land-surface datum, 1942

Jan. 12	d33.18	May 10	d30.54	Oct. 24	39.50	Nov. 4	40.68
Feb. 11	d42.19	26	d27.12	26	39.84	6	39.88
Mar. 11	(a)	June 10	d33.36	28	40.28	8	39.60
24	(a)	26	d31.79	30	40.68	10	39.42
Apr. 11	(a)	July 11	d25.70	Nov. 1	41.41	12	39.88
25	d39.28	25	d32.23	2	41.21	18	41.50

a Dry.
b Pumping.
c Pump operating in well.
d Tape measurement by J. M. Spencer, water master, District 5.

6N/35-26P1 (*777,p.157; *817,p.252; 840,p.344; 845,p.409; 886,p.621; 910,p.23; 940,p.23). O. K. Goodman Estate--Continued.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 20	41.99	Dec. 2	(a)	Dec. 12	39.54	Dec. 22	40.71
22	(a)	4	(a)	14	39.34	24	40.53
24	(a)	6	(a)	16	39.76	26	40.51
26	(a)	8	41.72	18	40.15	28	40.96
28	(a)	10	39.49	20	40.54	30	41.15
30	(a)						

6N/35-28H1 (*777,p.157; *817,p.253; 840,p.345; *845,p.410; 886,p.621; 910,p.23; 940,p.23). W. J. Rand. Land-surface datum is 829.06 feet above sea-level datum of 1929 and 0.50 foot below measuring point (3).

Water level, in feet below land-surface datum, 1942

Jan. 10	12.93	Apr. 24	b12.53	July 10	9.83	Sept.11	12.31
Feb. 10	17.21	May 10	10.93	24	10.26	Oct. 10	b12.67
Mar. 10	12.18	25	10.13	Aug. 10	11.00	Nov. 9	10.73
23	12.49	June 10	9.95	25	11.89	Dec. 15	11.57
Apr. 10	b13.77	26	9.88				

6N/35-28N1 (*777,p.157; *817,p.254; 845,p.410; 886,p.621; 910,p.23; 940,p.23). Lottie McKnight. Land-surface datum is 817.01 feet above sea-level datum of 1929 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 10	22.93	Apr. 24	15.01	July 10	8.91	Sept.11	19.45
Feb. 10	25.41	May 10	c14.43	24	11.09	Oct. 10	c17.85
Mar. 10	c16.38	25	8.93	Aug. 10	15.25	Nov. 9	11.35
23	21.68	June 10	8.16	25	18.30	Dec. 15	18.47
Apr. 10	20.05	26	9.26				

6N/35-30M1(*777,p.158; *817,p.254; 840,p.345; 845,p.410; *886,p.621; 910,p.24; 940,p.23). S. E. Givens. Land-surface datum is 687.21 feet above sea-level datum of 1929 and 0.41 foot below measuring point (2).

Water level, in feet below land-surface datum, 1942

Jan. 10	18.97	Apr. 24	23.72	July 10	13.41	Sept.11	25.35
Feb. 10	26.42	May 10	21.97	24	13.46	Oct. 10	26.18
Mar. 10	26.30	25	18.73	Aug. 10	17.50	Nov. 9	23.51
23	27.21	June 10	9.29	26	22.50	Dec. 15	16.74
Apr. 10	24.90	26	11.53				

6N/35-34C1 (*777,p.158; *817,p.254; 840,p.345; 845,p.410; 886,p.622; 910,p.24; 940,p.24). Alpha Reese. Land-surface datum is 881.55 feet above sea-level datum of 1929 and 0.60 foot below measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 10	48.25	Apr. 24	38.58	July 10	25.88	Sept.11	43.59
Feb. 10	47.72	May 10	24.73	24	31.28	Oct. 10	39.79
Mar. 10	49.10	25	19.76	Aug. 10	43.29	Nov. 9	40.00
23	49.82	June 10	22.99	25	38.32	Dec. 14	45.70
Apr. 10	48.02	26	28.76				

6N/35-36C1 (*777,p.158; *817,p.254; 840,p.345; 845,p.410; 886,p.622; 910,p.24; 940,p.24). Mr. Redfern. Land-surface datum is 925.95 feet above sea-level datum of 1929 and 2.2 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 12	21.38	Apr. 25	34.34	July 11	29.42	Sept.11	38.03
Feb. 11	38.09	May 10	33.20	25	34.40	Oct. 10	35.88
Mar. 11	(a)	26	29.55	Aug. 11	39.95	Nov. 10	27.95
24	(a)	June 10	34.98	26	39.30	Dec. 14	18.92
Apr. 11	40.75	26	34.94				

6N/35-36H1 (*777,p.159; *817,p.255; 840,p.345; 845,p.411; 886,p.622; 910,p.24; 940,p.24). Walter Hermann. Land-surface datum is 929.75 feet above sea-level datum and 2.00 feet below measuring point. Except as indicated by footnote, levels are from float-gage readings by owner.

a Dry.
b Pump operating in well.
c Irrigation water running into well.

6N/35-36H1 (*777,p.159; *817,p.255; 840,p.345; 845,p.411; 886,p.622; 910,p.24; 940,p.24). Walter Hermann--Continued.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	a35.02	Apr. 25	39.64	Aug. 26	a30.85	Nov. 5	37.02
27	36.32	May 10	35.26	28	30.82	9	36.11
28	36.37	26	25.63	31	30.65	10	a35.17
30	36.89	June 10	37.11	Sept.10	30.96	13	33.16
31	37.03	26	28.47	11	a30.53	16	30.91
Feb. 2	37.45	July 11	18.28	19	30.58	20	29.17
3	37.64	23	22.15	Oct. 9	31.75	28	27.46
6	38.24	25	22.70	10	a32.23	Dec. 9	30.54
11	a38.70	27	23.13	20	35.01	14	a31.47
19	39.26	29	23.81	21	35.23	21	23.15
28	40.52	31	24.48	25	35.96	23	21.73
Mar. 11	a41.10	Aug. 4	25.75	28	36.51	27	20.05
24	42.66	11	a27.43	Nov. 2	36.94	28	20.03
Apr. 11	42.72	17	29.46				

Union County - Grande Ronde Valley

1/39-17L1 (*910,p.21; 940,p.24). A. F. Furman. Water-table well. Land-surface datum is about 2,735 feet above sea-level datum of 1929 and 1.00 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 6, 25.00; Oct. 21, 25.55.

2/39-26F1 (*817,p.242; 845,p.406; 886,p.617; 910,p.21; 940,p.24). Union County. Water-table well. Land-surface datum is about 2,694 feet above sea-level datum of 1929 and 1.00 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 6, 17.06; Oct. 21, 14.80.

3/38-10B1 (*817,p.242; 845,p.406; 886,p.617; 910,p.21; 940,p.24). Union County. Water-table well. Land-surface datum is 2,727.88 feet above sea-level datum of 1929 and 1.50 feet below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 6, 6.32; Oct. 22, 6.59.

3/38-25B1 (*817,p.242; 845,p.406; 886,p.617; 910,p.21; 940,p.24). Union County. Water-table well. Land-surface datum is 2,706.83 feet above sea-level datum of 1929 and 1.50 feet below measuring point. Water levels in feet below land-surface datum, 1942: Jan. 6, 8.19; Oct. 22, 8.77.

Yamhill County - Willamette Valley

196 (*777,p.146; *817,p.257; 845,p.412; 886,p.623; *890,p.150; 940,p.25). George Fuller. Confined water. NW¼NE¼ sec. 13, T. 5 S., R. 5 W. Land-surface datum is 151.09 feet above sea-level datum of 1929 and 0.50 foot below measuring point. Water levels, in feet below land-surface datum, 1942: Jan. 11, 10.80; Oct. 28, 21.24.

UTAH

By P. E. Dennis, G. B. Maxey, and H. R. McDonald

PROGRAM OF WORK

A systematic investigation of the ground-water resources of Utah by the Geological Survey, United States Department of the Interior, in cooperation with the State engineer of Utah, has been in progress since 1935. It includes a State-wide program of observations of water-level fluctuations based on periodic measurements of selected wells with steel tapes and on charts of automatic water-stage recorders. The data thus collected are tabulated and summarized for publication in the annual volume on water levels and artesian pressure in observation wells in the northwestern States, issued by the Geological Survey as a water-supply paper. As time and facilities permit, detailed investigations of individual ground-water areas are made to determine the source, movement, and disposal of the ground water and to show the relation of present development to the maximum economic development that is possible in those areas. During a detailed investigation the number of observation wells and the frequency of measurements are commonly increased in the area under consideration, with the result that the corresponding section of the annual volume is greatly expanded. Like the data on water levels and artesian pressure, the results of these detailed investigations, also, are published by the Geological Survey as water-supply papers. During 1942 a report of this kind was completed on a comprehensive study of Tooele Valley, in Tooele County, and similar investigations were in progress in the Flowell area in Millard County and in the Escalante Valley in Beaver, Iron, Millard, and Washington Counties.

During 1942 the many activities resulting from the war called for large additions to existing water supplies in Utah. Municipal supplies became more and more taxed as the population in towns along the Wasatch front increased and, in addition, water was needed for Army and Navy ordnance depots, camps, and air bases and for relocation centers, steel and

aluminum plants, and vanadium and manganese mills. These and other demands for an increased water supply in the State were met chiefly by drilling wells, more than 15 new wells capable of producing about 20 second-feet of water being completed during the year. The records and other information on ground-water supplies available in the offices of the Federal Geological Survey and the State engineer were drawn upon during most of this development. Reports on water-supply problems for 17 war agencies and industries in Utah were made by the Geological Survey during the year.

All measurements made in observation wells of the State-wide cooperative program are published in this report, whether made by the Federal Geological Survey or by some other agency. They include some made by the staff of the State engineer in various parts of the State, others made by the Salt Lake City Corporation in Salt Lake County or obtained by means of automatic water-level recorders maintained by that corporation, and still others made in Wasatch and Summit Counties by the Provo River Water Commissioner and the Bureau of Reclamation, United States Department of the Interior. But although the State engineer and each of the agencies mentioned obtained records of a great number of wells other than those that make up the State-wide cooperative program, only those of wells included in that program appear in the present report.

In all, 858 wells were included in the State-wide program during 1942, and 3,747 periodic measurements were made on them. Of the total number of wells, 19 were equipped with pressure recorders throughout all, or nearly all, of the year. In addition, water-level recorders were maintained on 7 other wells for parts of the year.

Investigations were made by the State engineer in 1938 and 1939 to determine the quantity of water derived from each of the principal ground-water areas in the State and the use made of this water. A summary of his findings was published in an earlier report. (See Water-Supply Paper 910, pp. 29-30.) Withdrawals in 1942 from the wells measured in 1938 and 1939 were probably about the same as withdrawals of water in each of these two earlier years. In addition, approximately 20,000 to 40,000 acre-feet of water was pumped from new wells. Thus the total withdrawals from wells in Utah during 1942 may have been about 250,000 acre-feet.

The following table shows, by counties and areas within counties, the number of observation wells in Utah, the number that have been discontinued, the number of automatic water level and pressure recorders in use, and the number of periodic measurements included in this report.

Distribution, by counties, of observation wells in Utah in 1942

County	Number of observation wells		Number of periodic measurements	Wells with recording gages		
				Throughout year		Part of year
	During 1942	Discontinued during year		Float	Pressure	
Beaver						
Beaver Valley	9	0	29	0	0	0
Escalante Valley	139	4	738	3	0	0
Box Elder	37	2	101	1	0	0
Cache	22	2	117	0	1	0
Davis	21	2	43	0	2	0
Duchesne	29	1	49	0	0	0
Garfield	10	0	29	0	0	0
Grand	3	0	7	0	0	0
Iron						
Cedar City Valley	32	1	94	1	0	0
Escalante Valley	148	12	454	0	0	0
Parowan Valley	20	3	52	0	1	1
Juab						
Juab Valley	10	0	32	0	0	0
Snake Valley	7	1	14	0	0	0
Millard						
Escalante Valley	8	0	25	0	0	0
Pavant Valley	13	2	65	2	0	0
Sevier Desert	31	0	124	0	0	0
Snake Valley	8	1	14	0	0	0
Morgan	13	0	39	0	0	0
Piute	6	0	15	0	0	0
Rich	21	1	43	0	0	0
Salt Lake	34	5	428	3	2	1
San Juan	5	0	13	0	0	0
Sanpete	30	1	115	0	1	0
Sevier	16	1	42	0	1	0
Summit	15	0	94	0	0	0
Tooele						
Rush Valley	13	0	31	0	0	0
Tooele Valley	43	12	355	3	0	1
Salt Lake Desert	1	1	1	0	0	0
Uintah	10	1	19	0	0	0
Utah						
Cedar Valley	2	0	2	0	0	0
Goshen Valley	3	0	6	0	0	0
Utah Lake Valley	47	4	388	1	1	4
Wasatch	5	0	46	3	0	0
Washington						
Escalante Valley	10	1	33	0	0	0
Virgin River area	2	0	5	0	0	0
Wayne	3	0	5	0	0	0
Weber						
Ogden Valley	10	4	18	2	0	0
East Shore area	22	1	62	1	0	0
	858	62	3,747	19	9	7

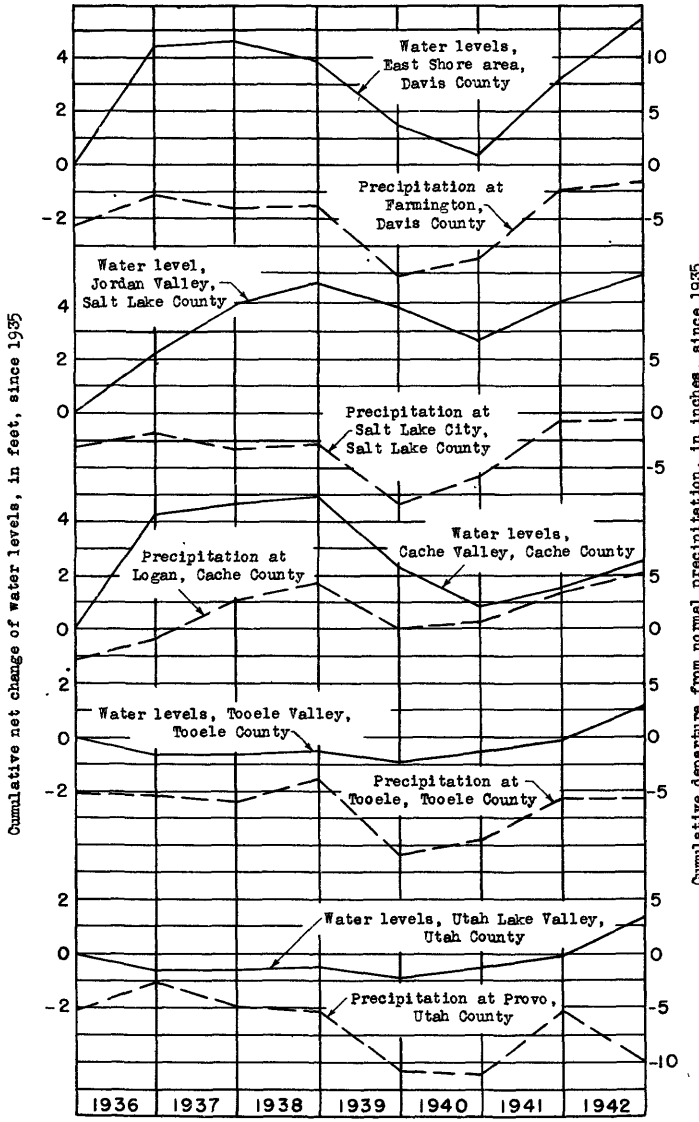

Figure 3.--Graphs showing cumulative net change of water levels and cumulative departure from normal precipitation since 1935 in selected areas in the Southwestern Bolson province, Utah.

FLUCTUATIONS OF WATER LEVEL

The trend of water-level fluctuations in Utah in 1942 varied considerably among the ground-water basins in the State and within the individual basins. In general, wells in the deeper aquifers and in the central parts of the basins rose above the levels of 1941, whereas wells in the shallow aquifers and in the marginal recharge areas declined below the levels of 1941. For the State as a whole there was probably a net increase in ground-water storage over the preceding year: 26 areas had positive net changes ranging from 0.3 foot to 4.8 feet, 7 areas had little or no change, and 11 areas had negative net changes ranging from 0.3 foot to 2.6 feet. In more than half of the ground-water areas average water levels were higher than in any other year since 1935, when records were started. In slightly less than a fourth of the ground-water areas the water levels in 1941 were the highest for the period of record. Most of the remaining areas had their highest water levels in 1938.

The high-water levels and artesian pressures in wells in 1942 were chiefly the result of carry-over effects of the high precipitation of 1941. Most Weather Bureau stations in Utah recorded a subnormal precipitation in 1942, and water levels in all areas responded to the extent that the sharp upward trends of 1941 flattened off or were replaced by moderate declines. In the major artesian basins in Weber, Davis, Salt Lake, and Utah Counties, pressures continued to rise throughout 1942, although at a rate considerably lower than that for 1941. In areas of shallow wells, such as the upper Sevier, Grass, and Sanpete Valleys and the Uinta Basin, all in the Plateau province, and Rhodes, Ogden, Upper Bear River, and Bear Lake Valleys, in the Mountain province, the water levels responded more promptly to precipitation, and in these areas the average water levels remained about the same or declined in 1942.

The graphs that make up figures 3 and 4 show the cumulative net change of water levels in wells since 1935 for typical ground-water areas in the Southwestern Bolson, the Montana-Arizona Plateau, and the Northern Rocky Mountains provinces. Because ground-water areas that are most important economically and most extensive are in the Southwestern Bolson province, more graphs are shown for that province than for the others. For comparison, the

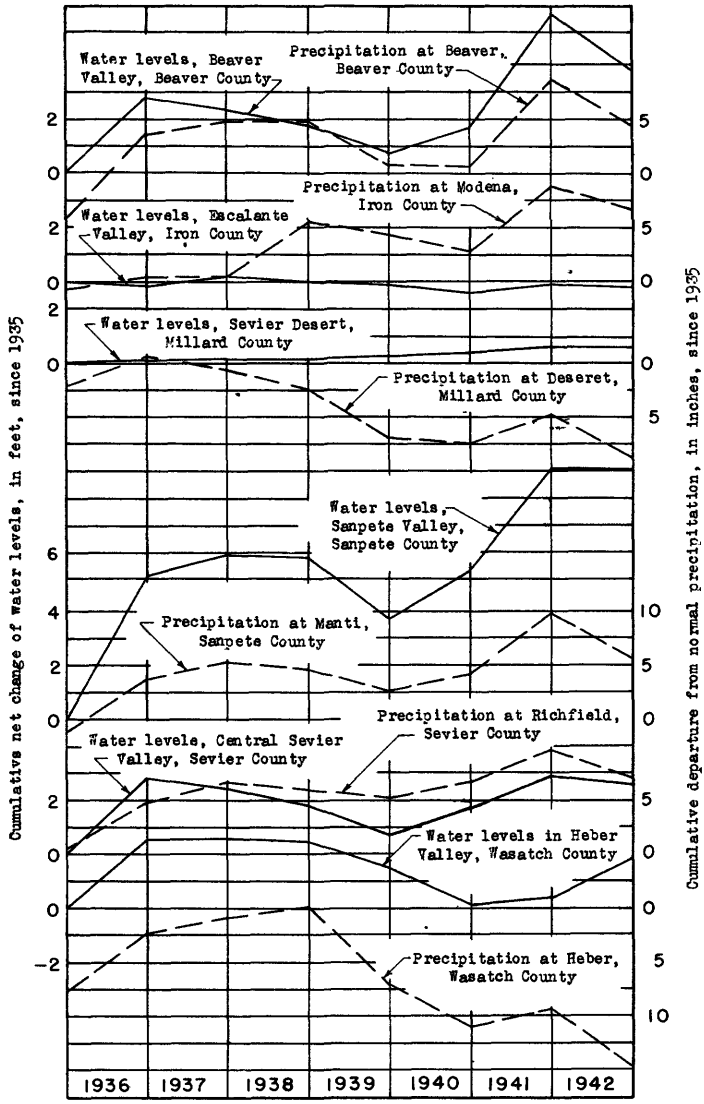

Figure 4.--Graphs showing cumulative net change of water levels and cumulative departure from normal precipitation since 1935 in selected areas of the Southwestern Bolson, Montana-Arizona Plateau, and Northern Rocky Mountains provinces, Utah.

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cumulative departure from normal precipitation since 1935 at the nearest Weather Bureau station is also shown, by means of a broken line. Collectively the graphs give a condensed summary of ground-water history in Utah since 1935. The precipitation was generally less than normal during the 5-year period 1931 to 1935 and was exceptionally low in 1931 and 1934. As a result, water levels measured in 1935 were very low. During the 3-year period 1936-38 the precipitation was normal or slightly above normal at most stations, and the curves of cumulative departure show an upward bulge, although in some areas the deficiencies of the preceding 5-year period were not entirely overcome. During this 3-year period the upward trend in the curves showing the cumulative net change in water levels is greater than the upward trend in the corresponding part of the percipitation curve. This is probably due, in part at least, to the control of flowing and wasting wells by the State engineer during this period. During the 2-year period 1939-40 the precipitation was considerably below normal and water levels showed a corresponding decline. The high precipitation of 1941, which ranged from 120 to 200 percent of normal at most stations, brought a sharp rise in water levels, and its effects were carried over into 1942, as shown in both precipitation and water-level curves. The high precipitation in 1941 brought the curve for cumulative departure above the zero line and the deficiency in 1942 was not great enough to carry it again below that line. The water levels continued to climb in 1942, although along a more gentle curve which flattened off or trended downward in places, but, with one exception, no decline was sufficient to carry the curve below the zero line.

The East Shore area in Davis County and the Jordan Valley in Salt Lake County (see fig. 3) are more or less typical of the large and economically important ground-water basins along the Wasatch front. The wells are chiefly flowing wells that obtain their water from alluvial gravels interbedded with lake clays. The recharge areas are the gravel terraces along the basin margin on the east, and the recharge waters are made up chiefly of seepage from creeks and canals rather than of directly penetrating rainfall. The ground water is thus derived chiefly from the precipitation in those parts of the Wasatch Mountains that drain to these basins, and the precipitation at Farmington and Salt Lake City may or may not have a close correlation with the mountain precipitation for any given period. In 1937, for example,

the precipitation in the mountains may have been greater than in 1936, although at Farmington and Salt Lake City it was less. A period of lag in the response of the water levels to increased precipitation is to be expected in these areas because of the slow movement of water underground, because much of the precipitation occurs as snow and does not enter the ground until the following summer, and because the aquifers act as storage basins, from which the water is discharged slowly through natural outlets and wells. The lag in the downward trend of water levels is clearly shown in the graphs for 1939 and 1940 (see fig. 3), the water levels reaching their lowest stages in 1940, whereas the precipitation was lowest in 1939. The lag in the upward trend is clearly shown in the graphs for 1941 and 1942, the upward trend of the water-level curve being almost as steep in 1942 as in 1941, whereas the precipitation curve for 1942 was considerably flatter.

Cache Valley (see fig.3) resembles the Davis and Salt Lake County areas in altitude and in the character of its valley fill. It is unlike them, however, in that its position is behind a front range of the Wasatch Mountains. Water levels in this basin follow the general pattern of the precipitation, but the rise in water levels in the years 1941-42 is not as great as was the rise in the years 1936-38, although the cumulative departure from normal precipitation was greater in 1942 than in the earlier 3-year period. Whether this results from the poor correlation between mountain and valley precipitation or from some other cause is not known.

The Tooele and Utah Lake Valleys (see fig. 3) also represent typical areas in the Southwestern Bolson province, and the pattern of the curves showing the cumulative change of water levels in these two areas is strikingly similar. The water levels in both areas declined during the period 1935-36, remained about the same during the period 1937-38 as at the end of 1936, declined again in 1939, and then rose steadily in 1940 and 1941, by the end of which year they had almost recovered from the losses suffered in 1936 and 1939. They continued to rise in 1942, and the rise in that year was steeper and reached a higher point than the rise in any other year within the period of record. Lag in the response of the water levels to precipitation for reasons mentioned above and the fact that the valley precipitation is only a very rough index of the mountain precipitation

probably account for the difference in the precipitation curves as compared with the water-level curves for these areas.

Beaver Valley (see fig. 4) is also in the Southwestern Bolson province. It is at the western base of the High Plateau of southern Utah and drains westward through Mineral Gap to the Escalante Basin. It lies above the level of Pleistocene Lake Bonneville, and the materials of the valley fill are chiefly coarse alluvial gravels, without the interbedded lake clays so characteristic of the areas already discussed. There has been little development of ground water in the valley, and water levels fluctuate in response to natural recharge and discharge from the basin. In the area of tributary drainage, water levels respond quickly to an increase or decrease in precipitation. The correlation of the water levels with the precipitation at Beaver is good, and the correlation with the precipitation at higher altitudes would probably be even better if records were available.

The Escalante and Sevier Deserts (see fig.4) are the largest of the ground-water basins in Utah. The total ground-water storage in them is large in comparison with the annual recharge and discharge. The ground-water development is not large, although critically important to the economic well-being of the developed areas. Fluctuations in water level are small and show little correlation with precipitation at Weather Bureau stations on the basin plains. The recharge areas are near the margins of the basins, where streams, chiefly ephemeral, enter from the surrounding highlands. The precipitation at Modena more nearly represents the precipitation in the recharge area of the Escalante Valley than that at Deseret represents the precipitation in the recharge area of the Sevier Desert. The lack of correlation between water-levels and precipitation is therefore more pronounced in the Sevier Desert than in the Escalante Valley.

The Sanpete and central Sevier Valleys (see fig. 4) are river valleys in the Plateau province. In them are both artesian and water-table wells, which derive their water chiefly from alluvial aquifers of the valley fill. The correlation between the precipitation and water-level curves is good for both valleys, and in both the decline in water levels in 1942 was slight as compared to the decline in precipitation.

Heber Valley (see fig. 4) is one of the back valleys in the Mountain province, and its wells are chiefly water-table wells in the valley alluvium.

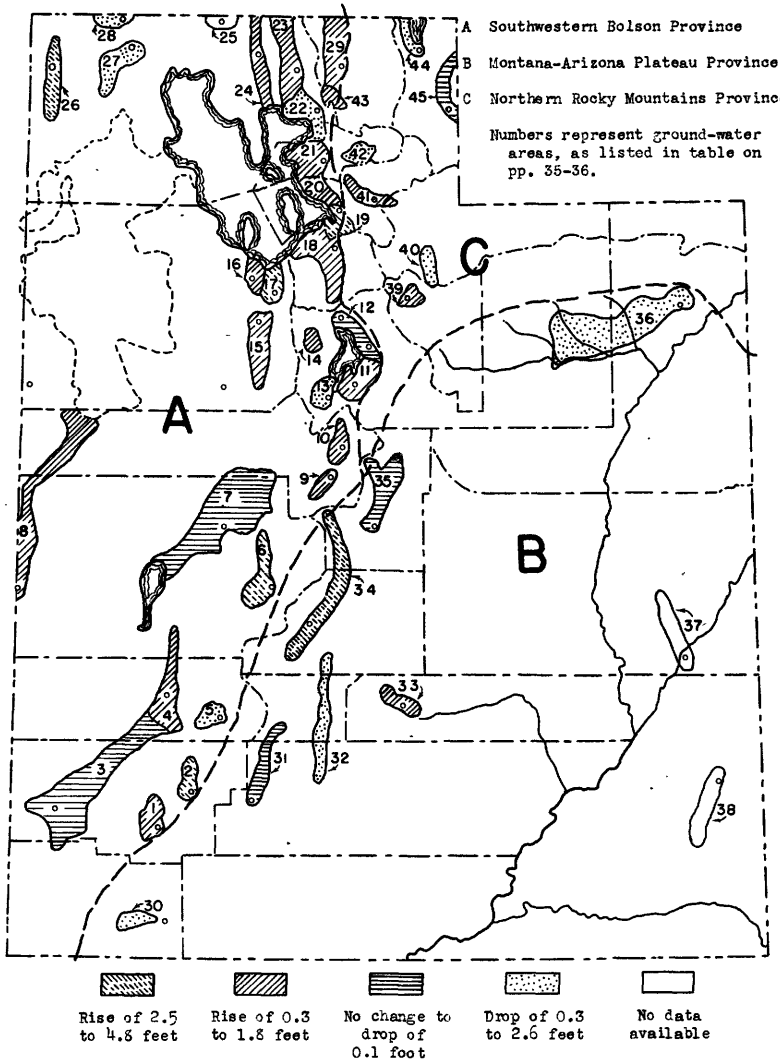

Figure 5.--Map of Utah showing location of ground-water areas and average change in water levels during 1942.

The correlation of water levels with the precipitation at Heber is good except for 1942. From records at nearby stations it appears that the precipitation in the drainage area of Heber Valley in 1941 was much higher than the record at the city of Heber would indicate. The fact that the recharge from the 1941 precipitation was delayed probably accounts in large part for the high water levels of 1942.

Figure 5 shows the location of the 45 ground-water areas discussed in this report. Of these areas, 29 are in the Southwestern Bolson province, 9 in the Montana-Arizona Plateau province, and 7 in the Northern Rocky Mountains Province.

The map shows also the net changes in water levels for 1942 based on the data set forth in the table on pages 35 and 36. The table shows the net change in water level from December 1941 to December 1942 in selected wells in each of the ground-water areas. 1/ The number of selected wells used in the computations and the precipitation at the nearest station of the United States Weather Bureau are also given. The number in parentheses following the name of the ground-water area corresponds to the number of the same area as shown on the map (fig. 5). The figure of average net change for any one ground-water area is not intended to represent the average change throughout that area but is merely an estimate that may indicate the general trend of water levels in the area. The areas are grouped under counties, and the counties, beginning with the southernmost, are grouped under the ground-water provinces in which they lie. 2/

1/ Thomas, H. E., and Bach, W. K., Utah, in Water levels and artesian pressure in observation wells in the United States in 1940, pt.5, Northwestern States: U. S. Geol. Survey Water-Supply Paper 910, p.31, 1941.

2/ Thomas, H. E., and Bach, W.K.,op. cit., pp. 34-35.

Summary for 1942 of net changes in water level, in feet, in observation wells in Utah and precipitation, in inches, during the year

Ground-water area	No. of observation wells	Average net change in group of observation wells	Precipitation at nearest U. S. Weather Bureau station		
			Station	Total precipitation	Departure from normal
SOUTHWESTERN BOLSON PROVINCE					
Iron County:					
Cedar City Valley (1)	31	+1.7	Cedar City	10.01	-3.17
Parowan Valley (2)	12	+3.6	Parowan	10.52	-2.37
Escalante Valley (3)	21	-.1	Modena	8.01	-2.13
Beaver County:					
Escalante Valley (4)	16	+.3	Milford	7.21	-1.76
Beaver Valley (5)	4	-2.4	Beaver	9.18	-3.65
Millard County:					
Pavant Valley (6)	11	+2.6	Fillmore	10.30	-4.00
Sevier Desert (7)	11	0	Deseret	4.26	-3.90
Millard and Juab Counties:					
Snake Valley (8)	13	+.3			
Juab County:					
Chicken Creek Valley (9)	3	+1.6	Levan	9.63	-5.19
Juab Valley (10)	6	+.6	Nephi	9.23	-3.52
Utah County:					
Utah Lake Valley					
South Utah Basin a(8)	11	+.5	Payson	12.08	-4.24
North Utah Basin a(12)	11	0	Utah Lake	9.21	-3.86
Goshen Valley (13)	3	-1.8	Elberta	6.68	-3.84
Cedar Valley (14)	2	+.4			
Tooele County:					
Rush Valley (15)	3	+.3	Government Creek	9.44	-3.71
Tooele Valley	8	+1.6	Tooele	16.95	-.03
Grantsville Basin a(16)	5	+.6			
Erda Basin a(17)	3	+2.6			
Salt Lake County:					
Jordan Valley (18)	30	+.9	Salt Lake City	16.12	-.01
Davis County:					
East Shore area	14	+2.3	Farmington	21.33	+.88
South Davis Basin a(19)	8	+3.1			
North Davis Basin a(20)	6	+1.5	Farmington	21.33	+.88
Weber County:					
East Shore area (21)	18	+.4	Ogden	20.24	+2.67
Box Elder County:					
East Shore area (22)	7	-.3	Brigham	17.82	+.85
Lower Bear River Valley (23)	7	+.4	Tremonton	13.16	-.77
West Box Elder area a					
Blue Spring Valley (24)	2	+.7			
Curlew Valley (25)	2	-.1	Snowville		
Grouse Creek Valley (26)	1	+4.8			
Park Valley (27)	5	-1.7	Park Valley	11.41	+1.00
Raft River Valley (28)	3	-2.1	Standrod		
Cache County:					
Cache Valley (29)	12	+1.0	Logan	17.97	+1.44

a These units have been defined and tentatively outlined by the State engineer, pending further detailed study of the respective ground-water areas. See Humpherys, T. H., 22d Biennial Report of the State engineer of Utah, pp. 122-127, 1940.

Summary for 1942 of net changes in water level, in feet, in observation wells in Utah and precipitation in inches, during the year--Continued

Ground-water area	No. of observation wells	Average net change in group of observation wells	Precipitation at nearest U. S. Weather Bureau station		
			Station	Total precipitation	Departure from normal
MONTANA-ARIZONA PLATEAU PROVINCE					
Washington County: Virgin River area (30)	2	-.5	Springdale (Zion Park)	10.27	-3.30
Garfield and Piute Counties: Upper Sevier Valley (31)	9	0	Panguitch	5.44	-4.09
Piute and Sevier Counties: Grass Valley (32)	6	-.9			
Wayne County: Fremont Valley (33)	3	+.7	Loa	4.72	-2.63
Sevier and Sanpete Counties: Central Sevier Valley (34)	13	+2.5	Richfield	6.10	-2.26
Sanpete County: Sanpete Valley (35)	15	-.1	Manti	8.10	-4.11
Duchesne and Uintah Counties: Uinta Basin (36)	13	-2.6	Duchesne	4.60	-4.89
Grand County: Colorado River area (37)	3a/				
San Juan County: San Juan River area (38)	5a/				
NORTHERN ROCKY MOUNTAINS PROVINCE					
Wasatch County: Heber Valley (39)	5	+1.5	Heber	11.50	-5.25
Summit County: Rhodes Valley (40)	10	-1.0			
Morgan County: Morgan Valley (41)	10	+.8	Morgan	16.72	-2.89
Weber County: Ogden Valley (42)	8	-1.0			
Box Elder County: Mantua Valley (43)	2	+1.8			
Rich County: Bear Lake Valley (44)	10	-.3	Laketown	9.12	-3.98
Upper Bear River Valley (45)	6	-.1	Woodruff	6.41	-3.33

a Observations begun in 1942.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Observation wells in Utah are listed alphabetically by counties and numerically within each county. 3/ For convenience, the name of the appropriate ground-water areas are added after the county names. Complete descriptions are given only for newly added wells. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in that paper. The State claim or application number given is that used in the State engineer's records, the claim numbers being reserved for those wells that were used prior to the passage of the ground-water law in March 1935. 4/ All altitudes given were determined by instrumental leveling by the staff of the State engineer with the exception of those for some wells in Wasatch County, where altitudes were established by the Bureau of Reclamation, United States Department of the Interior. Measurements were made by the Geological Survey except as noted. Artesian wells that were flowing when visited were closed for 10 minutes prior to measurement of the pressure head. The water level in each well is expressed in feet, with reference to a fixed measuring point.

3/ For a description of the well-numbering system in use in Utah see Thomas, H. E., and Bach, W. K., Utah, in Water levels and artesian pressure in observation wells in the United States in 1940, Part 5, Northwestern States: U. S. Geol. Survey Water-Supply Paper 910, p. 38.

4/ For a compilation of laws relating to ground water in Utah see Humpherys, T. H., Water laws of Utah, 1941.

Beaver County - Beaver Valley

(C-28-7) 16aaal (*940, p.37). Water levels, in feet below measuring point, 1942: Mar. 13, 68.20; July 22, 57.73; Nov. 12, 64.74; Dec. 7, 66.26.

(C-28-7) 21addl (*886, p. 773; 910,p.40; 940,p.37). State claim 8118. E.F. Baldwin. Water levels, in feet below measuring point, 1942: Mar. 13, 27.70; July 22, 24.09; Dec. 7, 28.60.

(C-28-7) 21daal (*817, p.417; *840,p.559; 845, p.562; *886,p.773; 910, p.40; 940,p.37). E. F. Baldwin. Water levels, in feet below measuring point, 1942: Mar. 13, 19.29; July 22, 16.14; Dec. 3, 19.83.

(C-29-7) 3cbbl (*845,p. 564; *886,p.776; 910,p.46; 940,p.37). Harry Hodges. Water levels, in feet below measuring point, 1942: Mar. 13,14.95; July 22, 13.58; Dec. 7, 19.44.

(C-29-7) 15b (*940,p.37). Water level, in feet below measuring point, 1942: July 22, 13.13.

(C-29-7) 17cddl (*817,p.420; *840,p.561; 845,p.564; *886,p.777; 910, p. 46; 940,p.37). State claim 6919. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 13, 23.16; July 22,1.13; Dec. 7, 20.85.

(C-29-7) 28dbbl (*817,p.420; 840,p.562; 845,p.564; 886,p.777; *910, p.46; *940,p.37). J. A. Nower.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 13	14.98	Sept.15	12.5	Nov. 26	13.60	Dec. 29	12.5
July 22	9.58	Oct. 27	12.54	Dec. 7	14.36		

(C-29-8) 25cacl (*817,p.420; *840,p.562; 845,p.565; 886,p.777; 910, p.46; 940,p.37). State claim 13115. Beaver School District. Well flowing prior to measurements. Water levels, in feet above measuring point,1942: Mar. 13, 10.3; July 22, 10.2; Dec. 7, 10.3.

(C-29-8) 30accl (*817,p.420; *840,p.562; 845, p. 565; 886,p.777; 910, p.46; 940,p.37). State claim 8119. Drought Relief Administration. Water levels, in feet below measuring point, 1942: July 22, 19.12; Dec. 7,19.42.

Beaver County - Escalante Valley [5]

(C-26-10) 13cddl (*940,p.37). G. A. Hansen. Water level, in feet below measuring point, 1942: July 28, 67.22.

(C-26-10) 32cadl (*817,p.416; *840,p.559; 845,p.562; 886,p.773; 910, p.40; 940,p.37). State claim 10257. Burton Smithson. Water levels, in feet below measuring point, 1942: Apr. 14,12.30; June 2, 12.58; July 28, 13.59; Dec. 8, 13.97.

(C-26-10) 32cdal (*817,p.416; *840,p.559; 845,p.562; 886,p.773; 910, p.40; 940,p.37). No measurements made in 1942.

(C-27-10) 6dacl (*940,p.37). State claim 7520. J. H. Hedges. Water levels, in feet below measuring point, 1942: Apr. 14, 22.84; June 2, 21.91; July 28, 23.42; Dec. 8, 24.36.

(C-27-10) 18da (*940,p.37). Hazel Cannon. Water levels, in feet below measuring point, 1942: Apr. 14,5.09; June 2, 5.11; July 28, a/12.31; Dec. 8, a/13.34.

a Pumping.

5/ For other wells in this valley see pp. 65-75, 79, and 123.

Beaver County - Escalante Valley--Continued

(C-27-10) 21 abbl (*817,p.416; *840,p.559; 845,p.562; 886,p.773; 910, p.40; *940,p.38). State claim 11459. John Armstrong and sons. Water levels, in feet below measuring point, 1942: Apr. 15, 55.10; July 28, 54.37; Dec. 8, 54.76.

(C-27-10) 29 dbcl (*910,p.40; 940,p.38). State claim 13113. Milford State Bank. Well flowing prior to measurements. Water levels, in feet below measuring point, 1942: Apr. 14, 6.8; June 2,6.0; July 28,5.4; Dec.8,6.0.

(C-28-10) 5daal (*940,p.38). W. J. Burns. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Apr. 14, 2.4; June 1, 1.86; July 28, 0.5; Dec. 8, 2.0.

(C-28-10) 6abb2 (*845,p.562; 886,p.773; 910,p.40; *940,p.38). State application 11917. Asa Dixon. Water levels, in feet below measuring point, 1942: Apr. 14, 72.60; July 28, 73.19; Dec. 8, 72.93.

(C-28-10) 6ddcl (*910,p.40; 940,p.38). State claim 13114. Beaver County School District. Water levels, in feet below measuring point, 1942: Apr. 14, 62.23; July 23, 64.38; Dec. 8, 62.64.

(C-28-10)7abbl (*910,p.40; 940,p.38). State claim 6763. American Telephone & Telegraph Co. Water levels, in feet below measuring point, 1942: Apr. 14, 57.07; July 23, 60.14.

(C-28-10) 7bdcl (*940,p.38). M. M. White. Water levels, in feet below measuring point, 1942: Apr. 14, 51.07; June 2, 51.58; July 23, 52.69; Dec. 8, 54.19.

(C-28-10) 8abcl (*940,p.38). State claim 13111. C. G. Clarke. Water levels, in feet, with reference to measuring point, 1942: Apr. 14, a/+0.55; July 29, -0.24; Dec. 8, a/+0.21.

(C-28-10) 8badl (*940,p.38). State claim 13110. Milford State Bank. Water levels, in feet, with reference to measuring point, 1942: Apr. 14, a/ +0.88; July 29, -1.55; Dec. 8, -0.35.

(C-28-10)8cacl(*910,p.40; 940,p.38). State claim 14585. C. G. Clarke. Water levels, in feet below measuring point, 1942: Apr. 14, 0.26; July 29, 2.09; Dec. 8, 1.03.

(C-28-10)8cddl(*910,p.40; *940,p.38). J. R. Murdock.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	2.24	Apr. 11	1.78	July 11	4.30	Oct. 14	4.49
10	2.08	14	2.57	20	4.45	21	4.18
17	2.04	16	2.55	28	4.86	28	4.02
24	2.02	25	2.89	Aug. 4	4.99	Nov. 4	3.70
31	1.85	May 2	2.18	11	5.02	11	3.65
Feb. 7	1.83	9	2.17	18	5.03	18	2.97
14	2.10	16	2.17	27	4.55	25	3.60
21	2.03	23	2.98	Sept. 2	4.53	Dec. 2	3.48
28	2.06	June 6	3.28	9	4.70	8	3.56
Mar. 8	2.00	13	3.60	16	4.77	9	3.43
14	1.97	20	3.63	23	4.68	16	3.35
21	1.98	27	3.65	30	4.53	23	3.30
28	1.84	July 4	4.25	Oct. 7	4.54	30	3.27
Apr. 4	1.80						

a Found flowing.

Beaver County - Escalante Valley--Continued

(C-28-10)8dbdl(*910,p.41; 940,p.38). State claim 14586. C. G. Clarke. No measurements made in 1942.

(C-28-10)8dccl(*910,p.41; *940,p.38). Josephine Thompson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: April 14, 5.9; July 28, 1.9; Dec. 8, 2.1.

(C-28-10)16dddl(*940,p.38). Beaver County. Water levels, in feet below measuring point, 1942: Apr. 16, 70.84; July 24, 70.82; Dec. 9, 71.59.

(C-28-10)17bdal(*940,p.38). State application 11764. I. E. Leck. Water levels, in feet below measuring point, 1942: Apr. 16, inside casing, 4.60, outside casing, 5.67; July 24, inside casing, 6.39, outside casing, 8.10; Dec. 8, inside casing, 5.78.

(C-28-10)17cccl(*910,p.41; 940,p.38). State claims 11870 and 17173. Mr. Westfall. Water levels, in feet below measuring point, 1942: Apr. 16, 5.30; July 23 a/14.25; Dec. 9, 7.40.

(C-28-10)17cdcl(*910,p.41; 940,p.38). State claim 1087. Ambrose Bradshaw. Water levels, in feet below measuring point, 1942: Apr. 16,6.69; July 23, 8.19; Dec. 9, 8.62.

(C-28-10)18aca(*886,p.773; *910,p.39). State claim 1089. Mutual Investment & Finance Co.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 16	0.88	Aug. 27	3.45	Nov. 4	3.00	Dec. 9	2.36
July 23	3.16	Sept.30	3.44	Dec. 2	.60		

(C-28-10)18acdl(*910,p.41; 940,p.39). State claim 1090. Mutual Investment & Finance Co. Water levels, in feet below measuring point, 1942: Apr. 16, 1.32; July 23, a/16.33; Dec. 8, 2.52.

(C-28-10)19addl(*817,p.417; *840,p.560; 845,p.562; *886,p.774; 910,p.41; *940,p.39). Listed in Water-Supply Paper 817 as (C-28-10)19ad. State claim 6564. J. A. Kirk and Sam Cline.

Water levels in feet, with reference to measuring point,1942

Jan. 3	-1.08	Apr. 16	+0.78	July 23	a-22.00	Nov. 4	-1.93
Feb. 7	- .10	May 4	+1.30	28	a-21.75	Dec. 2	-1.30
Mar. 7	- .19	June 6	a-8.20	Aug. 26	a-22.25	9	-1.48
Apr. 4	- .20	28	a-8.45	Sept.30	-3.32		

(C-28-10)19bbcl(*910,p.41; 940,p.39). State claim 6352. C. T. Martin. Water levels, in feet below measuring point, 1942: Apr. 15, 4.73; July 23, 7.00; Dec. 9, 6.15.

(C-28-10)19ccdl(*910,p.41; 940,p.39). State claim 3993. C. J. Myers and Ivan McKnight. Water levels, in feet below measuring point, 1942: Apr. 15, 5.22; July 23, a/14.3 Dec. 9, 5.80.

(C-28-10)19dddl(*910,p.41; 940,p.39). State claim 2041. Chester Haskell. Water levels, in feet below measuring point, 1942: Apr. 16, 3.42; July 23, 6.68; Dec. 9, 4.87.

(C-28-10)20bddl(*910,p.41; 940,p.39). State claim 2043. Chester Haskell. Water levels, in feet below measuring point, 1942: Apr. 16, 8.67; July 24, 10.71; Dec. 9, 10.15.

a Pumping.

Beaver County - Escalante Valley--Continued

(C-28-10) 20ccdl (*817,p. 418; *910, p. 42; 940, p. 39). State claim 2044. Chester Haskell. Water levels, in feet below measuring point, 1942: Apr. 16, 5.17; July 24, 6.79.

(C-28-10) 20ddcl (*910, p. 42; 940, p. 39). State claim 10287. Duluth Land Co. Water levels, in feet below measuring point, 1942: Apr. 16, a/13.32; July 24, 10.28; Dec. 9, a/14.52.

(C-28-10) 21cbbl (*940, p. 39). State claim 5695. Beaver County.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	14.10	Apr. 4	14.02	May 4	13.53	Nov. 18	14.86
Feb. 7	14.00	16	14.20	Aug. 26	13.44	Dec. 2	14.66
Mar. 8	14.05						

(C-28-10) 28caal (*940, p. 39). C. H. Bryan. Water levels, in feet below measuring point, 1942: Apr. 16, 17.87; July 24, 18.48; Dec. 9,21.47.

(C-28-10) 29bccl (*910, p. 42; 940,p.39). State claim 13803. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 16, 4.20; July 24, 7.17; Dec. 9, 5.48.

(C-28-10) 29bdd2 (*910, p.42; 940,p.39). State claim 2531. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 16, 8.25; July 24, b/13.60; Dec. 9, 9.74.

(C-28-10) 29cccl (*910, p. 42; 940,p.40). State claim 7801. J. H. Weston. Water levels, in feet below measuring point, 1942: Apr. 16, 7.20; July 24, 9.64; Dec. 9, 7.75.

(C-28-10) 29cdcl (*845,p.563; 886,p.774; 910, p.92; *940,p.40). State application 11742. J. H. Hanlon.

Water level, at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.10	8.54	8.41	8.30	....	9.98	12.62	.....	12.77	13.40	9.65	9.12
2	9.09	8.52	8.38	8.29	8.42	9.97	12.58	.....	13.07	11.60	9.65	9.05
3	9.01	8.50	8.32	8.28	8.48	10.02	12.75	.....	13.04	11.30	9.58	9.02
4	9.04	8.49	8.40	8.26	8.50	9.94	12.80	13.62	13.05	11.11	9.59	9.89
5	9.02	8.51	8.38	8.33	....	10.83	12.80	13.20	13.01	10.97	9.59	9.02
6	8.98	8.48	8.30	8.32	8.48	11.07	12.80	13.45	13.06	10.86	9.57	9.00
7	8.95	8.44	8.39	8.34	8.54	12.07	12.80	13.60	12.95	10.75	9.57	8.99
8	8.91	8.47	8.40	8.34	....	12.11	12.76	13.70	13.20	10.67	9.53	....
9	8.93	8.46	8.35	8.31	8.88	12.11	12.88	13.65	12.85	10.63	9.53	....
10	8.92	8.45	8.32	8.29	9.22	12.19	12.84	13.52	13.08	10.54	9.52	9.00
11	8.87	8.43	8.27	8.26	9.33	12.20	12.84	13.69	13.23	10.44	9.48	9.00
12	8.84	....	8.26	8.26	9.41	11.65	13.50	12.81	13.04	10.37	9.46	8.98
13	....	....	8.26	8.26	9.48	11.86	.....	13.04	13.06	10.33	9.44	8.93
14	8.81	8.33	8.28	8.23	9.66	11.85	.....	12.98	12.93	10.30	9.38	8.96
15	8.79	8.34	8.26	8.28	9.70	11.81	.....	13.04	13.20	10.23	9.30	8.95
16	8.74	8.32	8.31	8.27	9.75	11.75	.....	13.15	13.14	10.19	9.34	8.93
17	8.74	8.37	8.35	8.23	9.64	11.78	.....	13.22	13.25	10.17	9.33	8.87
18	8.76	8.39	8.28	8.29	9.72	11.85	.....	13.26	13.32	10.11	9.30	8.85
19	8.76	8.39	8.26	8.28	9.79	11.34	.....	13.18	13.20	10.08	9.28	8.88
20	8.76	8.39	8.31	....	9.84	12.02	13.10	13.13	12.90	10.04	9.29	8.87
21	8.73	8.33	8.32	....	9.78	12.13	13.03	12.73	13.08	10.01	9.34	8.82
22	8.68	8.29	8.30	8.22	9.59	12.21	13.15	13.17	13.31	9.95	9.30	8.81
23	8.68	8.40	8.25	8.23	9.70	12.28	13.20	13.39	13.22	9.91	9.26	8.78
24	8.67	8.35	8.20	8.24	9.66	12.34	13.26	13.52	13.48	9.90	9.21	8.79
25	....	8.34	8.28	8.21	9.56	12.43	13.34	13.07	12.08	9.88	9.21	8.74
26	....	8.40	8.33	8.21	9.32	12.32	12.80	13.24	13.20	9.85	9.20	8.85
27	8.60	8.33	8.34	8.20	9.60	12.57	13.33	13.29	13.45	9.78	9.14	8.87
28	8.55	8.34	8.30	8.15	9.60	12.58	13.31	12.91	13.37	9.72	9.13	8.82
29	8.57	....	8.33	8.24	9.78	12.62	13.20	13.09	13.35	....	9.14	8.78
30	8.59	....	8.34	8.34	9.85	12.15	13.20	13.06	13.54	....	9.10	8.77
31	8.55	....	8.33	....	9.93	.....	12.82	13.20	.....	9.70	....	8.75

a Pumping.
b Adjacent well pumping.

Beaver County - Escalante Valley--Continued

(C-28-10) 30acdl (*817, p. 418; 840, p. 560; 845, p. 563; 886, p.774; 910, p. 42; *940, p. 40). State claim 15131. State of Utah.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.10	6.08	6.60	6.52	6.49	7.38	7.20	8.23	8.37	8.52	7.87	6.96
2	6.02	6.06	6.56	6.54	6.54	7.35	7.17	8.14	8.41	8.51	7.87	6.93
3	5.95	6.05	6.54	6.49	6.52	7.39	7.18	8.20	8.44	8.50	7.79	6.93
4	6.00	6.05	6.61	6.47	6.47	7.14	7.18	8.25	8.46	8.61	7.85	6.88
5	6.00	6.09	6.55	6.47	6.56	7.83	7.16	8.24	8.50	8.52	7.81	6.92
6	5.95	6.04	6.54	6.47	6.53	7.85	7.17	8.25	8.54	8.68	7.79	6.90
7	5.87	6.02	6.63	6.49	6.50	7.31	7.17	8.31	8.55	8.63	7.76	6.91
8	5.79	6.08	6.61	6.50	6.49	6.52	7.17	8.31	8.57	8.56	7.71	6.89
9	5.84	6.03	6.56	6.50	6.43	6.54	7.23	8.27	8.60	8.75	7.73	6.87
10	5.81	6.07	6.57	6.52	6.47	6.06	7.28	8.28	8.63	8.58	7.71	6.87
11	5.78	6.00	6.50	6.52	6.44	6.27	7.35	8.30	8.66	8.48	7.70	6.86
12	5.75	5.98	6.52	6.52	6.54	6.48	....	7.95	8.70	8.41	7.66	6.83
13	5.74	5.98	6.50	6.49	6.57	6.58	....	7.86	8.70	8.40	7.63	6.81
14	5.75	5.95	6.54	6.46	6.73	6.66	....	7.92	8.69	8.40	7.55	6.85
15	5.70	5.85	6.46	6.54	6.93	6.72	....	8.02	8.68	8.35	7.48	6.83
16	5.74	5.95	6.53	6.49	6.60	6.83	....	8.10	8.63	8.33	7.50	6.81
17	5.90	6.15	6.57	6.48	6.47	6.89	....	8.14	8.62	8.30	7.47	6.78
18	5.99	6.23	6.49	6.55	6.92	6.93	....	8.31	8.69	8.26	7.40	6.79
19	6.05	6.31	6.53	6.51	6.55	6.97	....	8.42	8.70	8.23	7.36	6.83
20	6.05	6.33	6.59	6.51	6.60	7.00	....	8.61	8.65	8.21	7.39	6.77
21	6.00	6.31	6.58	6.50	6.84	7.03	....	8.62	8.63	8.00	7.37	6.77
22	5.97	6.34	6.56	6.44	6.99	7.05	....	8.65	8.63	7.78	7.30	6.74
23	6.06	6.47	6.52	6.50	7.00	7.06	7.97	....	8.63	7.98	7.24	6.72
24	6.03	6.41	6.47	6.46	7.33	7.10	8.02	....	8.62	7.98	7.18	6.68
25	6.03	6.48	6.58	6.45	7.03	7.12	8.17	....	8.60	8.01	7.19	6.63
26	6.07	6.52	6.62	6.48	6.88	7.18	8.14	8.77	8.60	7.99	7.13	6.78
27	6.02	6.47	6.60	6.45	7.00	7.95	8.14	8.76	8.58	7.96	7.06	6.75
28	6.00	6.55	6.57	6.43	7.29	7.70	8.20	8.47	8.57	7.95	7.05	6.68
29	6.06	....	6.57	6.49	7.44	7.45	8.19	8.27	8.56	7.95	7.02	6.68
30	6.06	....	6.57	6.54	7.30	7.32	8.22	8.32	8.55	7.98	6.97	6.70
31	6.08	....	6.55	....	7.67	....	8.25	8.36	....	7.94	....	6.69

(C-28-10) 30cdcl (*940, p. 41). State claim 4056. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 15, 9.20; Dec. 9, 10.04.

(C-28-10) 31laddl (*817, p. 418; 840, p. 561; 845, p. 564; 886, p. 775; 910, p. 44; *940, p. 41). State claim 7640. P. B. Fisher. Water levels, in feet below measuring point, 1942: Apr. 16, 10.05; July 24, a/19.3; Dec. 9, 10.45.

(C-28-10) 31bdd2 (*910, p. 44; 940, p. 41). State claim 15171. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 15,11.32; July 24, a/23.7; Dec. 9, 12.38.

(C-28-10) 31cddl (*940, p. 41). State claim 10315. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 15, 15.48; July 24, 19.97; Dec. 9, 16.13.

a Pumping.

Beaver County - Escalante Valley--Continued

(C-28-19)32add1(*910,p.44;940,p.41). Duluth Land Co.
Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.27	15.20	.....	14.96	15.00	12.25	.....	13.19	13.33	14.36	13.53	14.18
2	15.28	15.20	.....	14.95	14.77	12.24	.....	13.25	13.40	14.39	13.54	14.16
3	15.32	.....	.....	14.93	14.12	12.23	.....	13.09	13.42	14.42	13.57	14.23
4	15.37	15.16	.....	14.90	13.78	12.22	12.62	13.04	13.49	14.43	13.60	14.23
5	15.38	15.15	.....	14.91	13.66	12.21	.....	13.09	13.57	14.45	13.63	14.25
6	15.37	15.12	.....	14.91	12.59	11.73	.....	13.15	13.68	14.47	13.66	14.25
7	15.35	15.13	.....	14.94	12.40	11.32	.....	13.16	13.60	14.48	13.71	14.25
8	15.32	15.16	.....	14.94	11.82	11.06	.....	13.17	13.55	14.53	13.70	14.28
9	15.35	15.15	.....	14.95	11.70	10.98	.....	13.26	13.49	14.55	13.77	14.29
10	15.34	15.15	.....	14.95	11.70	10.97	.....	13.21	13.52	14.55	13.82	14.27
11	15.34	.....	.....	14.97	11.65	10.76	11.57	13.07	13.62	14.52	13.85	14.29
12	15.34	.....	.....	.....	11.65	10.71	11.57	12.67	13.75	14.50	13.88	14.29
13	15.34	.....	.....	.....	11.66	10.64	11.66	12.53	13.75	14.51	13.89	14.28
14	15.36	15.05	.....	.....	11.79	.....	11.66	12.08	13.76	14.52	13.90	14.30
15	15.34	15.00	.....	.....	11.83	.....	11.66	11.55	13.76	14.51	13.87	14.31
16	15.36	14.99	.....	15.00	11.88	.....	11.64	11.53	13.77	14.49	13.94	14.31
17	15.36	.....	.....	14.98	11.64	.....	11.66	11.54	14.03	14.45	13.96	14.30
18	15.36	15.02	.....	15.00	11.49	.....	11.69	11.56	14.07	14.39	13.98	14.29
19	15.40	.....	.....	14.98	11.36	.....	.....	.....	14.07	14.30	14.00	14.31
20	15.37	.....	.....	14.98	.....	11.26	11.96	.....	14.07	14.11	14.02	14.34
21	15.33	15.00	.....	14.97	.....	.....	.....	.....	14.07	14.01	14.09	14.31
22	15.30	.....	14.96	14.89	.....	.....	.....	.....	14.07	13.89	14.10	14.32
23	15.26	.....	14.94	14.85	11.70	.....	.....	.....	14.07	13.82	14.10	14.32
24	15.27	.....	14.91	14.83	.....	.....	12.34	.....	14.08	13.71	14.09	14.30
25	15.27	.....	14.94	14.85	.....	.....	12.43	.....	14.11	13.62	14.10	14.29
26	15.27	.....	14.98	14.87	.....	.....	12.57	12.79	14.15	13.55	14.13	14.34
27	15.22	.....	15.00	14.86	.....	12.19	12.69	12.87	14.19	13.50	14.12	14.37
28	15.20	.....	14.98	14.84	.....	.....	12.90	12.97	14.22	13.46	14.12	14.37
29	15.20	.....	15.00	15.06	.....	.....	12.93	13.07	14.26	13.49	14.16	14.36
30	15.24	.....	15.01	15.06	12.25	.....	12.99	13.15	14.32	13.53	14.14	14.37
31	15.20	.....	15.00	.....	12.25	.....	13.10	13.24	.....	13.55	.....	14.38

(C-28-10)32 bda1(*910,p.44;940,p.41). State claim 8757. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 16, 7.36; July 24, 9.44; Dec. 9, 7.45.

(C-28-10)32ccc1(*910,p.44; 940,p.41). State claims 2040 and 3838. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 16, 15.69; July 24, 16.77; Dec. 9, 15.67.

(C-28-10)32cdc1(*910,p.44; 940,p. 41). State claim 1421. Oral Williams. Water level, in feet below measuring point, 1942: Apr. 16, 14.35; Dec. 9, 13.91.

(C-28-10)32dbc1(*910,p.44; 940,p.41). State claim 1423. Oral Williams. Water levels, in feet below measuring point, 1942: Apr. 16, 13.33; July 24, 13.78; Dec. 9, 13.01.

(C-28-11)13dca1(*940,p.42). State claim 10324. New Majestic Mining Co. Water levels, in feet with reference to measuring point, 1942: Apr. 14, a/b/+0.88; July 23, -2.42; Dec. 8, a/+0.49.

(C-28-11)13dca2(*940,p.42). New Majestic Mining Co. Water levels, in feet below measuring point, 1942: July 23, 2.76; Dec. 8, c/0.31.

(C-28-11)22dab1(*940,p.42). Houston and Goff. Water levels, in feet below measuring point, 1942: Apr. 14, 32.98; May 31, 32.83; July 23, 33.42; Dec. 7, 33.58.

a Well flowing prior to measurements.
b Well leaking during measurements.
c (C-28-11)13dca1 closed 10 minutes.

Beaver County - Escalante Valley--Continued

(C-28-11)23aabl(*940,p.42). Beaver County.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	22.90	Mar. 21	22.50	May 23	22.57	July 28	24.05
10	22.97	28	22.36	30	22.58	Aug. 4	24.14
17	22.91	Apr. 4	22.33	June 7	22.60	11	24.15
24	22.89	11	22.32	13	22.35	18	24.5
Feb. 7	22.82	14	22.38	20	22.67	26	24.65
14	22.71	18	22.32	27	22.68	Sept. 2	24.66
21	22.56	25	22.34	July 4	22.98	9	24.85
28	22.58	May 4	22.35	11	23.05	16	a25.05
Mar. 7	22.60	9	22.36	20	23.60	23	a25.07
14	22.57	16	22.37	23	23.92	Dec. 7	23.01

(C-28-11)24daal(*886,p.776; 910,p.45; *940,p.42). State claim 11221. State of Utah.

Water level, in feet below measuring point, 1942

Jan. 4	3.80	Apr. 11	2.04	July 11	3.49	Oct. 7	4.86
10	3.71	15	2.10	20	4.64	14	4.47
17	3.69	18	2.07	23	4.82	21	4.27
24	3.27	25	2.09	28	4.87	28	4.63
31	3.23	May 4	2.15	Aug. 4	5.06	Nov. 4	4.53
Feb. 7	2.85	9	2.35	11	4.77	11	4.41
14	2.75	23	2.35	18	3.85	18	4.40
21	2.58	30	2.68	26	5.08	25	4.15
28	2.52	June 7	2.72	Sept. 2	4.97	Dec. 2	4.02
Mar. 7	2.50	13	3.15	9	5.24	9	4.02
14	2.32	20	3.50	16	5.29	16	4.00
21	2.25	27	3.80	23	5.22	23	3.70
28	2.12	July 4	3.48	29	5.20	30	3.58
Apr. 4	2.06						

(C-28-11)25abdl(*910,p.45; 940,p.42). State claim 10323. Pacific Bond & Mortgage Co. Water levels, in feet below measuring point, 1942: Apr. 15, 3.86; July 23, 6.66; Dec. 9, 6.30.

(C-28-11)25dddl(*940,42). State claim 3392. Kent Smith. Water levels, in feet below measuring point, 1942: Apr. 15, 7.10; July 24, a/22.49; Dec. 9, 8.54.

(C-28-11)26cdcl(*940,p.43). Jefferson Mercantile Co. Water levels, in feet below measuring point, 1942: July 23, 4.49; Dec. 7, 1.55.

(C-28-11)26dcbl(*940,p.43). W. W. Cook. Water levels, in feet below measuring point, 1942: July 23, 2.31; Dec. 7, 1.66.

(C-28-11)26dddl(*940,p.43). W. W. Cook. Water levels, in feet below measuring point, 1942: Apr. 15, 4.25; July 29, 6.28; Dec. 9, 5.63.

(C-28-11)27cabl(*940,p.43). State Building & Loan Association. No measurements made in 1942.

(C-28-11)33dacl(*940,p.43). Beaver County. Water levels, in feet below measuring point, 1942: Apr. 14, b/28.05; May 31, 28.5; Dec. 7, 27.81.

(C-28-11)34bbcl(*940,p.43). State claim 6677. H. M. Hearn. Water levels, in feet below measuring point, 1942: Apr. 14, 23.90; May 31, 23.91; July 23, 24.97; Dec. 7, 24.83.

(C-28-11)34cbbl(*940,p.43). E. M. Nebeker. Water levels, in feet below measuring point, 1942: Apr. 14, 17.78; July 23, 18.75; Dec. 7, 18.90.

a Pumping.

b Windmill stopped 10 minutes prior to measurement.

Beaver County - Escalante Valley--Continued

(C-28-11)35addl(*910,p.45).State claim 3. W. H. Hendrickson. Water levels, in feet below measuring point, 1942: Apr. 15, 10.10; July 29, 12.82; Dec. 9, 12.59.

(C-28-11)35dddl(*886,p.776; 910,p.45; 940,p.43). State claim 3619. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 15, a/20;July 29, a12.0; Dec. 9, 10.30.

(C-28-11)36aadl(*910,p.45; *940,p.43). State claim 7662. State of Utah. Water level, in feet below measuring point, 1942: Apr. 15, 7.95.

(C-28-11)36addl(*886,p.776; 910,45). State of Utah.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1941	9.99	Sept.19, 1941	11.75	May 2, 1942	6.12
Feb. 1	9.59	Oct. 4	11.38	June 7	7.00
Mar. 1	9.04	Nov. 1	10.60	28	7.72
Apr. 12	8.45	Dec. 4	9.45	July 28	9.62
30	8.26	6	9.33	29	9.46
May 4	8.83	Jan. 4, 1942	8.47	Aug. 26	10.54
June 7	9.3	Feb. 7	7.43	Sept.29	10.22
July 5	10.48	Mar. 7	6.85	Nov. 4	8.52
Aug. 2	10.73	Apr. 4	6.25	Dec. 2	7.64
Sept. 6	11.43	15	6.26	9	7.58

(C-28-11)36bbal(*817,p.419; *840,p.561; 845,p.564; 886,p.776; 910,p.45; *940,p.43). State claim 5266. Beaver County.

Water level, in feet below measuring point, 1942

Jan. 4	5.08	Apr. 15	3.38	July 28	5.23	Nov. 25	5.20
Feb. 8	4.12	May 2	3.34	Aug. 26	5.65	Dec. 2	2.60
Mar. 8	3.76	June 27	3.54	Sept.28	6.10	30	4.62
Apr. 4	3.33	28	3.84	Oct. 28	5.85		

(C-28-11)36bddl(*940,p.43). State claim 2. W. H. Hendrickson. Water levels, in feet below measuring point, 1942: Apr. 15, 5.88; July 29, a/14.8; Dec. 9, 7.34.

(C-28-11)36dccl(*910,p.45; 940,p.44). State claim 5143. J. C. Whittaker. Water levels, in feet below measuring point, 1942: Apr. 15, 12.83; July 29, b/17.04; Dec. 9, 13.56.

(C-28-11)36dddl(*940,p.44). State claim 5296. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 15, 11.67; July 29, 17.46; Dec. 9, 14.79.

(C-29-10)5bacl(*910,p.46; 940,p.44). State claim 6839. Pearl Malstrom. Water levels, in feet below measuring point, 1942: Apr. 16, 19.69; Dec. 9, 18.98.

(C-29-10)5cadl(*910,p.46; *940,p.44). State claim 10285. Beaver County. Water levels, in feet below measuring point, 1942: Apr. 16, 26.05; July 29, 23.58; Dec. 9, 24.50.

(C-29-10)5cccl(*910,p.46; 940,p.44). State claim 7641. F. W. Gospill. Water levels, in feet below measuring point, 1942: Apr. 16, 28.24; June 1, 24.82; July 29, 24.04; Dec. 9, 26.28.

a Pumping.
b Nearby wells pumping.

Beaver County - Escalante Valley--Continued

(C-29-10)6aadl(*817,p.420; *845,p. 565; 886,p.777; 910,p.46; *940,p.44). State claim 17295. Edgar Fisher.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.50	Apr. 16	19.95	July 11	a26.47	Sept.29	20.84
Feb. 7	19.44	May 2	20.11	28	a24.95	Nov. 4	19.68
Mar. 7	19.19	June 6	a24.10	29	21.04	Dec. 2	19.45
Apr. 4	19.08	28	a24.45	Aug. 26	21.24	9	19.71

(C-29-10)6dcdl(*777,p.242; *817,p.421; *840,p.562; 845,p.565; 886,p.778; 910,p.47; *940,p.44). State claim 13116. Duluth Land Co.

Water level, in feet below measuring point, 1942

Jan. 4	27.31	Apr. 4	28.40	June 27	26.23	Sept.30	27.11
10	27.28	11	28.41	July 4	26.38	Oct. 7	27.66
17	27.25	16	28.60	20	26.56	14	27.62
24	27.31	18	28.60	28	26.60	21	27.44
31	27.25	25	28.62	29	26.64	28	27.36
Feb. 7	27.22	May 2	28.61	Aug. 4	26.74	Nov. 4	27.10
14	27.17	9	28.63	11	26.76	11	27.47
21	27.06	16	27.86	18	26.60	18	27.49
28	27.70	23	27.88	26	26.90	25	27.00
Mar. 8	27.68	30	26.45	Sept. 2	27.00	Dec. 2	26.94
14	28.06	June 6	26.57	9	27.40	9	26.98
21	28.05	13	26.34	16	27.56	16	26.96
28	28.00	20	26.39	23	27.10	23	26.94

(C-29-10)7bbdl(*910,p.47; *940,p.44). State claim 15658. S. D. Atkin. Water levels, in feet below measuring point, 1942: Apr. 16, 26.07; July 29, 23.53; Dec. 9, 25.27.

(C-29-10) 7bdal(*940,p.44). State claim 13. S. D. Atkin. Water levels, in feet below measuring point, 1942: Apr. 16, 29.62; July 23, 26.71; Dec. 9, 28.77.

(C-29-10)7cddl(*817,p.421; 840,p.564; 845,p.566; *886,p.778;910,p.47; *940,p.45). State claim 10284. Beaver County.

Water level, in feet below measuring point, 1942

Apr. 16	34.55	Aug. 26	32.58	Nov. 4	32.30	Dec. 9	33.11
July 29	34.30	Sept.30	32.60	Dec. 3	32.00		

(C-29-10)16cccl(*840,p.564; 845,p.566; 886,p.778; 910,p. 47; *940,p.45). G. S. Barclay.

Water level, in feet below measuring point, 1942

Jan. 3	46.72	Apr. 16	47.86	July 28	44.95	Nov. 11	44.20
Feb. 7	47.06	May 2	47.62	29	44.84	Dec. 2	44.05
Mar. 7	47.10	June 6	47.32	Aug. 26	44.11	9	44.56
Apr. 4	47.60	28	47.12	Sept.30	44.09		

(C-29-10)16dccl(*940,p.45). Duluth Land Co.

Water level, in feet below measuring point, 1942

Jan. 3	77.07	Apr. 16	77.30	June 28	77.30	Sept.30	74.52
Feb. 7	77.08	May 2	77.25	July 28	75.15	Nov. 11	74.67
Mar. 7	77.12	June 1	77.76	29	75.78	Dec. 2	74.53
Apr. 4	77.23	6	77.10	Aug. 26	74.55	9	78.61

(C-29-10)17bddl(*940,p.45). State claim 10283. Duluth Land Co. No measurements in 1942.

a Pumping.

Beaver County - Escalante Valley--Continued

(C-29-10)21bccl(*940,p.45). Beaver County. Water levels, in feet below measuring point, 1942: June 1, 75.42; July 24, 76.68; Dec. 9, 74.52.

(C-29-11)1addl(*817,p.4.22;840,p.564; 845,p.566; 886,p.778; 910,p.48; *940,p.45). State claim 10290. Duluth Land Co.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	3.49	Apr. 16	0.93	July 28	3.01	Nov. 4	2.75
Feb. 7	2.42	May 2	1.70	29	2.30	Dec. 2	2.60
Mar. 8	2.00	June 7	2.00	Aug. 26	3.14	9	1.62
Apr. 4	1.74	28	2.60	Sept.29	3.62		

(C-29-11)1cad2(*910,p.48; 940,p.45). State claim 156. E. A. Hodges. Water levels, in feet below measuring point, 1942: Apr. 15, 17.60; July 29, 21.43; Dec. 9, 18.02.

(C-29-11) 2addl(*940,p.45). State claim 2561. State of Utah. Water levels, in feet below measuring point, 1942: Apr. 15, 12.33; July 29, a/26.5; Dec. 10, 13.42.

(C-29-11)2dddl(*886,p.779; *910,p.48; *940,p.45). State of Utah.

Water level, in feet below measuring point, 1942

Jan. 4	2.14	Apr. 15	0.57	July 28	a10.01	Nov. 11	1.86
Feb. 8	1.30	May 4	.60	29	3.60	Dec. 3	1.56
Mar. 8	.90	June 7	a9.10	Aug. 26	a10.75	9	1.81
Apr. 4	.75	28	a9.50	Sept.30	a9.94		

(C-29-11)4adbl(*910,p.48; *940,p.45). State claim 12129. A. P. Lodge. Water levels, in feet below measuring point, 1942: Apr. 14, 7.62; May 31, 7.90; July 23, 8.91; Dec. 7, 8.13.

(C-29-11)4baal(*940,p.45). W. H. Child. Water levels, in feet below measuring point, 1942: July 23, a/40.71; Dec. 7, 35.28.

(C-29-11)10cadl(*845,p.566; 886,p.779; 910, p.48; *940,p.45). State claim 7643. Jesse Cook. Water levels, in feet below measuring point, 1942: June 1, 4.64; July 29, 6.61; Dec. 10, 5.39.

(C-29-11)11accl(*910,p.48; *940,p.46). State claim 5771. M. W. Husbands. Water levels, in feet below measuring point, 1942: Apr. 16, 12.34; June 1, b/13.54; July 29, b/14.94; Dec. 10, c/13.00.

(C-29-11)11cddl(*840,p.564; 845,p.566; 886,p.779; 910,p.48; 940,p.46). State claim 7540. Preston Davis.

Water level, in feet below measuring point, 1942

Jan. 4	18.47	Apr. 16	17.96	July 28	19.13	Nov. 11	18.64
Feb. 8	18.10	May 4	18.00	29	19.16	Dec. 3	18.25
Mar. 8	18.11	June 7	18.50	Aug. 26	19.45	10	18.33
Apr. 4	18.06	28	18.90	Sept.30	19.30		

(C-29-11)11dddc1(*910,p.48; *940,p.46). State claim 1169. Gertrude Cook. Water levels, in feet below measuring point, 1942: Apr. 16, d/20.82; July 29, 23.35; Dec. 10, 20.73.

(C-29-11)11dddd1(*840,p.564; *940,p.46). State claim 1168. Gertrude Cook. Water levels, in feet below measuring point, 1942: July 29, 21.79; Dec. 10, 15.99.

a Pumping.
b Windmill stopped 10 minutes prior to measurement.
c Adjacent well pumping.
d Windmill pumping vigorously during measurement.

Beaver County - Escalante Valley--Continued

(C-29-11)13ccal(*910,p.48; *940,p.46). Victor Carlson. Water levels, in feet below measuring point, 1942: Apr. 16, 29.50; June 1, 29.97; July 29, 30.26; Dec. 10, 29.30.

(C-29-11)14addl(*910,p.48; *940,p.46). State claim 1167. Gertrude Cook. Water levels, in feet below measuring point, 1942: Apr. 16, 22.66; June 1, 22.40; July 29, 24.39; Dec. 10, 22.51.

(C-29-11)15 abdl(*840,p.564; 845,p.566; 886,p.779; 910,p.48; *940,p.46). Howard Cook. Water levels, in feet below measuring point, 1942: Apr. 16, 11.43; June 1, 11.75; July 29, 12.39; Dec. 10, 11.72.

(C-29-11)15cbdl(*940,p.46). Beaver County. Water levels, in feet below measuring point, 1942: Apr. 16, 4.99; June 1, 5.20. Measurements discontinued.

(C-29-11)17aa(*940,p.46). Beaver County. Water levels, in feet below measuring point, 1942: Apr. 14, 13.07; May 31, 13.03; July 23, 14.86; Dec. 7, 14.21.

(C-29-11)19cadl(*910,p.49; *940,p.46). Walter Cook. Water levels, in feet below measuring point, 1942: Apr. 16,a/47.74; May 31,a/47.14; July 23, a/46.20; Dec. 7, 45.58.

(C-29-11)20dcdl(*886,p.779; 910,p.49; 940,p.47). Public Land. Water levels, in feet below measuring point, 1942: Apr. 16, 2.52; May 31, 2.94; July 23, 4.15; Dec. 7, 1.02.

(C-29-11)21dddl(*845,p.566; 886,p.780; 910,p.49; *940,p.47). Claude Thompson. Water levels, in feet below measuring point, 1942: Apr. 16, 19.88; June 1, 20.00; July 29, 20.47; Dec. 10, 20.30.

(C-29-11)22addl(*910,p.49; 940,p.47). State claim 17158. P. V. Haworth. Water levels, in feet below measuring point, 1942: Apr. 16, 20.45; June 1, a/30.60; July 29, 22.66; Dec. 10, 21.18.

(C-29-11)22dddl(*817,p.422; 840,p.564; 845,p.567;886,p.780; 910,p.49; 940,p.47). State claim 10667. P. V. Haworth. Water levels, in feet below measuring point, 1942: Apr. 16, 26.23; June 1, 26.17; July 29, 26.96; Dec. 10, 26.24.

(C-29-11)23bcdl(*910,p.49; 940,p.47). I. E. Leck. Water levels, in feet below measuring point, 1942: Apr. 16, 26.40; June 1, 26.10; July 29, 26.19; Dec. 10, 26.36.

(C-29-11)27dcbl(*910,p.49; *940,p.47). State claim 2620. Public Land. Water levels, in feet below measuring point, 1942: Apr. 16, 28.84; May 31, 28.43; July 29, 28.72; Dec. 10, 28.89.

(C-29-11)29adal(*817, p.422; 840,p.565; 845,p.567; 886,p.780; 910,p. 49; 940,p.47). Public Land. Water levels, in feet below measuring point, 1942: Apr. 16, 14.53; May 31, 15.72; July 23, 15.70; Dec. 10, 15.36.

(C-29-11)29dddl(*817,p.422; *910,p.49; 940,p.47). State claim 7161. Sam Cline and George Jefferson. No measurements in 1942. Measurements discontinued.

(C-29-11)35accl(*910,p. 49; *940,p.48). Public Land. Water levels, in feet below measuring point, 1942: Apr. 17, 50.25; July 29, 50.46; Dec. 7, 50.13.

(C-29-11)35bcdl(*817,p.422; 910,p.49; 940,p.48). Public Land. Water levels, in feet below measuring point, 1942: Apr. 17, 4.60; May 31, 4.44; July 29, 4.54; Dec. 7, 4.01.

a Windmill stopped 10 minutes prior to measurement.

Beaver County - Escalante Valley--Continued

(C-30-10)11cbdl(*940,p.48). Abraham Wood. Water levels, in feet below measuring point, 1942: Apr. 16,a/140.8; May 31, 138.21; July 24, 131.3; Dec. 7, 133.09.

(C-30-10)12cdal(*817,p.423; 840,p.565; 845,p.567; 886,p.780; 910,p.50; 940,p.48). T. L. Gray. Water levels, in feet below measuring point, 1942: Apr. 16, 31.45; May 31, 29.41; July 24, 29.26; Dec. 7, 30.57.

(C-30-11)4cddl(*817,p.423; 840,p.565; 845,p.567; 886,p.780; 910,p.50; 940,p.48). Listed in Water-Supply Papers 817 as (C-30-11)4dc2; 840, (C-30-11)4dcc. Public Land. Water levels, in feet below measuring point, 1942: Apr. 17, 27.56; July 23, 27.58; Dec. 10, 27.66.

(C-30-11)6dccl(*886,p.780; 910,p.50; 940,p.48). Public Land. Water levels, in feet below measuring point, 1942: Apr. 18, 8.03; May 31, 8.02; July 30, 8.55.

(C-30-11)8addl(*940,p.48). Listed as (C-30-11)8ad in Water-Supply Paper 940. Public Land. Water levels, in feet below measuring point, 1942: Apr. 17, 27.32; July 23, 27.45; Dec. 10, 27.53.

(C-30-11)8ddcl(*940,p.48). Public Land. Water levels, in feet below measuring point, 1942: Apr. 17, 25.58; July 23, 25.63; Dec. 10, 25.80.

(C-30-11)9cddl(*940,p.48). Listed as (C-30-11)9acbl in Water Supply Paper 940. Public Land. Water levels, in feet below measuring point, 1942: Apr. 17, 30.98; July 23, 30.94; Dec. 10, 31.06.

(C-30-11)10caal(*910,p.50; *940,p.48). Listed as (C-30-11)11caal in Water Supply Paper 940. Abram Generaux. Water level, in feet below measuring point, 1942: Apr. 17, 42.38.

(C-30-11)18addl(*940,p.48). Listed as (C-30-11)18d in Water Supply Paper 940. Public Land. Water levels, in feet below measuring point, 1942: Apr. 17, 21.90; July 23, 21.65; Dec. 10, 21.61.

(C-30-11)22ba(*940,p.48). Listed as (C-30-11)23ba in Water Supply Paper 940. Beaver County. Water levels, in feet below measuring point, 1942: Apr. 17, 46.24; July 29, 46.18; Dec. 7, 46.26.

(C-30-12)3ddal(*910,p.50; 940,p.48). R. B. Norris. Water levels. in feet below measuring point, 1942: Apr. 18,b/45.22; July 30,b/45.31;Dec. 10, 45.07.

(C-30-12)4addl(*910,p.50; 940,p.48). T. J. Norris. Water levels, in feet below measuring point, 1942: Apr. 18, 111.53; July 30, 111.40; Dec. 10, 111.50.

(C-30-12)9daal(*910,p.50; 940,p.48). Public Land. Water levels, in feet below measuring point, 1942: Apr. 17, 30.34; July 30, 30.56; Dec. 10, 30.68.

(C-30-12)10aaal(*910,p.50; 940,p.48). No measurements in 1942. Measurements discontinued.

(C-30-12)10abbl(*910,p.50; 940,p.48). C. S. Hammond. Water levels, in feet below measuring point, 1942: Apr. 18, 38.52; July 30, 38.49; Dec. 10, 38.59.

(C-30-12)11bbbl(*817,p.423; 840, p. 565; 845,p.567; 886,p.780; 910,p.50; 940,p.48). D. L. Barnes. Water levels, in feet below measuring point, 1942: Apr. 18, 31.78; July 30, 32.00; Dec. 10, 31.91.

(C-30-12)12bbbl(*817,p.423; 840,p.565; 845,p.567; 886,p.780; 910,p.50; 940,p.48). Beaver County. Water levels, in feet below measuring point, 1942: Apr. 17, 16.45; July 30, 16.98; Dec. 10, 16.74.

a Pumping.
b Windmill stopped 10 minutes prior to measurement.

Beaver County - Escalante Valley--Continued

(C-30-12)13bcbl(*886,p.780; 910,p.50; 940,p.48). Beaver County. Water levels, in feet below measuring point, 1942: Apr. 17, 9.00; May 28, 9.16; July 30, 10.31; Dec. 10, 9.81.

(C-30-12)20aaal(*940,p.48). R. C. McCarter. Water level, in feet below measuring point, 1942: Apr. 18, 44.78.

(C-30-12)22aadl(*886,p.781; 910,p.50; 940,p.49). Public land. Water levels, in feet below measuring point, 1942: Apr. 17, 6.2; May 28, 6.32; July 30, 7.06; Dec. 10, 7.07.

(C-30-12)28dabl(*886,p.781; 910,p.50; 940,p.48). Public land. Water levels, in feet below measuring point, 1942: Apr. 17, 3.58; May 28, 3.87; July 30, 5.59.

(C-30-12)29ddal(*886,p.781; 910,p.50; 940,p.49). Public land. No measurements made in 1942.

(C-30-12)31cab2(*845,p.567; 886,p.781; 910,p.50;*940,p.49). State claim 13455. Corinne Dibkey. Water levels, in feet below measuring point, 1942: Apr. 17, 16.90; May 28, 16.79; July 30, 17.26; Dec. 10, 17.53.

(C-30-12)33bbdl(*886,p.781; 910,p.50; 940,p.49). No measurements made in 1942.

(C-30-13)20ddbl(*910,p.51; *940,p.49). O. M. Couch. Water levels, in feet below measuring point, 1942: Apr. 17, 106.00; May 28, 105.93; July 30, 105.95; Dec. 10, 107.25.

(C-30-13)21dddl(*910,p.51; 940,p.49). M. S. Marsden. Water levels, in feet below measuring point, 1942: Apr. 17, 91.22; May 28, 91.24; July 30, 91.41.

(C-30-13)22dddl(*910,p.51; *940,p.49). State claim 13674. Public land. Water levels, in feet below measuring point, 1942: Apr. 18, 60.44; May 28, a/60.41; July 30, a/60.34; Dec. 10, 60.42.

(C-30-13)25abbl(*940,p.49). State claim 12128. W. M. White. Water levels, in feet below measuring point, 1942: Apr. 18, a/40.4; May 28, a/42; July 30, b/38.64.

(C-30-13)25dddl(*940,p.49). Beaver County. Water levels, in feet below measuring point, 1942: Apr. 18, 6.25; May 28, 6.31; July 30, 7.50; Dec. 10, 6.98.

(C-30-13)27 dccl(*910,p.51; *940,p.49). C. O. Harris. Water level, in feet below measuring point, 1942: Apr. 18, 35.28.

(C-30-13)29dccl(*940,p.49). C. D. Vaughn. Water levels, in feet below measuring point, 1942: Apr. 18, 56.50; July 30, 56.49; Dec. 10, 56.54.

(C-30-13)30dccl(*940,p.49). Beaver County. Water levels, in feet below measuring point, 1942: Apr. 18, 59.15; May 28, 59.09; July 30, 61.74; Dec. 10, 59.48.

(C-30-13)33abbl(*940,p.49). J. F. Dinwiddie. Water levels, in feet below measuring point, 1942: Apr. 18, 48.92; May 28, 48.85; July 30, 49.06; Dec. 10, c/50.09.

(C-30-13)34babl(*910,p.51; 940,p.49). J. F. Dinwiddie. Water levels, in feet below measuring point, 1942: Apr. 18, 44.75; July 30, 44.78; Dec. 10, 44.37.

(C-30-13)34bbbl(*910,p.51; 940,p.49). J. F. Dinwiddie. Water levels, in feet below measuring point, 1942: Apr. 18, 45.77; July 30, 45.78; Dec. 10, 45.94.

a Pumping.
b Windmill stopped 10 minutes prior to measurement.
c Windmill pumping.

Box Elder County

(B-7-2)2abal(*777,p.240; 817,p.386; 840,p.536; 845,p.567; 886,p.781; 910,p.51; 940,p.50). State claim 11922. Earl Lemon.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	6.83	Apr. 28	9.92	Aug. 20	11.98	Nov. 29	9.15
Feb. 27	7.04	May 28	12.64	27	11.99	Dec. 27	7.82
Mar. 3	6.97	June 26	13.02	Sept.27	11.54	Dec. 30	7.75
25	7.22	July 28	12.13	Oct. 25	10.57		

(B-7-2)11cdal(*817,p.388; *840,p.537; 845,p.568; 886,p.781; 910,p.51; 940,p.50). State claim 1489. First Savings Bank of Ogden. Water levels, in feet below measuring point, 1942: Mar. 3, 20.42; Aug. 20, 16.30; Dec. 30, 18.96.

(B-8-2)11bdcl(*817,p.388; 840,p.537; 845,p.568; 886,p.781; 910,p.51; 940,p.50). State claim 773. J. A. Ward. Water levels, in feet below measuring point, 1942: Mar. 3, 51.56; Aug. 20, 42.37; Dec. 30, 48.72.

(B-8-2)23cdbl(*817,p.388; 840,p.537; 845,p.568; 886, p.782; 910,p.52; 940,p.50). State claims 1284 and 8126. Willard Water Co. Water levels, in feet below measuring point, 1942: Mar. 3, 39.00; Aug. 20, 34.05.

(B-8-2)26cacl(*817,p.388; 840,p.537; 845,p.568; 886,p.782; *910,p.52; 940,p.50). State claim 99. G. L. Braegger. Water levels, in feet above measuring point, 1942: Mar. 3, 31.6; Aug. 20, a/2.87;Dec. 30, 30.1.

(B-8-2)35addl(*910,p.52; 940,p.50). M. C. Marsh.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.28	.....	.....	21.33	17.60	16.94	17.48	18.69	19.59	20.32	21.10	21.89
2	22.29	22.66	.....	21.31	17.55	16.86	17.50	18.72	19.62	20.34	21.13	21.91
3	22.31	22.62	21.72	21.25	17.56	16.83	17.54	18.75	19.65	20.39	21.13	21.93
4	22.32	22.62	21.73	21.21	17.49	16.81	17.58	18.78	19.67	20.40	21.18	21.94
5	22.32	22.57	21.71	21.23	17.54	16.77	17.62	18.82	19.71	20.42	21.20	21.97
6	.....	22.50	21.68	.....	17.53	16.75	17.66	18.87	19.73	20.42	21.22	21.98
7	.....	22.50	21.69	21.10	17.52	16.74	17.68	18.90	19.76	20.45	21.24	.....
8	22.33	22.50	.....	21.04	17.52	16.79	17.72	18.93	19.77	20.49	21.26	.....
9	22.36	22.35	.....	20.93	17.51	16.78	17.78	18.96	19.80	20.51	21.29	.....
10	22.38	.....	21.70	20.79	17.54	16.79	17.82	19.00	19.83	20.53	21.32	.....
11	22.38	.....	21.68	20.65	17.51	16.76	17.86	19.02	19.87	20.57	21.34	.....
12	22.40	.....	21.69	20.49	.....	16.83	17.89	19.04	19.90	.....	21.36	.....
13	22.40	22.27	21.69	.....	.....	16.85	17.94	19.06	19.92	20.64	21.38	22.00
14	22.40	.....	21.72	.....	.....	16.85	17.98	19.09	19.96	20.69	21.39	22.02
15	22.41	.....	.....	20.00	17.55	16.85	18.02	19.15	19.97	20.71	21.41	22.04
16	22.41	.....	.....	19.77	17.56	16.91	18.07	19.18	19.97	20.74	.....	22.05
17	22.44	22.30	21.75	19.56	17.57	16.95	18.12	19.21	19.99	20.77	.....	22.07
18	22.50	22.27	21.71	19.39	17.59	16.97	18.18	19.25	20.04	20.79	.....	22.09
19	.....	22.22	21.70	19.17	17.60	17.01	18.21	19.29	20.08	20.81	.....	22.12
20	22.50	22.16	21.70	.....	17.59	17.06	.....	19.31	20.08	20.83	.....	22.13
21	22.51	22.09	21.65	18.82	17.53	17.08	.....	19.34	20.10	20.85	.....	22.15
22	22.54	22.03	.....	18.60	17.46	17.13	.....	.....	20.12	20.86	21.68	22.17
23	22.56	22.01	.....	18.48	17.43	17.16	.....	.....	20.14	20.89	21.70	22.19
24	22.57	21.96	21.58	18.33	17.40	17.19	18.42	19.37	20.16	20.91	21.72	22.20
25	.....	21.93	21.58	18.19	17.32	17.21	18.45	19.41	20.18	20.94	21.76	22.22
26	22.60	21.90	21.57	.....	17.27	17.29	18.49	19.44	20.21	20.96	21.79	22.28
27	22.60	21.84	21.54	.....	17.24	17.34	18.53	19.46	20.23	20.98	21.80	22.30
28	22.60	21.77	.....	.....	17.14	17.38	18.57	19.48	20.25	20.98	21.84	22.31
29	22.60	.....	21.41	17.72	17.11	17.42	18.60	19.51	20.28	21.02	21.85	22.33
30	22.63	.....	.....	17.66	17.08	17.45	18.62	19.55	20.31	21.06	21.87	22.35
31	.....	.....	21.38	.....	16.98	.....	18.65	19.57	.....	21.09	.....	22.37

a Well flowing prior to measurement.

Box Elder County--Continued

(B-9-1)22ccc1(*840,p.538; 845,p.568; 886,p.782; 910,p.52; 940,p.50). Raymond Jeppesen. Water levels, in feet below measuring point, 1942: Mar. 2, 28.72; Aug. 20, 24.93; Dec. 29, 24.56.

(B-9-1)27bbb1(*840,p.538; 845,p.568; 886,p.782; 910,p.52; 940,p.50). C. M. Jeppesen. Water levels, in feet below measuring point, 1942: Mar. 3, 23.16; Aug. 20, 21.20; Dec. 29, 21.35.

(B-9-2)12ccc1(*845,p.568; 886,p.782; 910,p.52; 940,p.51). State claim 499. G. D. Reeder. Water levels, in feet below measuring point, 1942: Mar. 5, 6.94; Aug. 22, 5.34; Dec. 30, 6.42.

(B-9-2)12ccd1(*840,p.538; 845,p.568; 886,p.782; *910,p.52; 940,p.51). State claim 500. G. D. Reeder. Water levels, in feet below measuring point, 1942: Mar. 5, 14.84; Aug. 22, 14.13; Dec. 30, 14.66.

(B-9-2)14dac1(*817,p.389; 840,p.538; 845,p.568; 886,p.782; *910,p.53; 940,p.51). State claim 549. W. W. and J. F. Knudsen. Water levels, in feet below measuring point, 1942: Mar. 5, 19.49; Dec. 20, 19.90.

(B-9-2)25bad1(*840,p.538; 845,p.568; 886,p.782; *910,p.52; 940, p.51). State claim 268. First National Bank of Brigham. Water levels, in feet below measuring point, 1942: Mar. 2, 21.4; Dec. 30, 15.57.

(B-9-2)35dcd1(*817,p.389; *840,p.538; 845,p.569; 886,p.782; *910,p.53; 940,p.51). State claim 477. F. H. Hansen. Water levels, in feet below measuring point, 1942: Mar. 3, 41.41; Aug. 22, 32.61; Dec. 30, 40.81.

(B-9-3)1bbb1(*817,p.389; *840,p.538; 845,p.569; 886,p.783; *910,p.53; 940,p.51). Listed as (B-93)1bb in Water Supply Paper 817. State claim 8477. Federal Land Bank. Water levels, in feet below measuring point, 1942: Mar. 3, 5.62; Aug. 22, 6.11; Dec. 30, 6.57.

(B-10-3)8dc1(*817,p.389; 840,p.538; 845,p.569; 886,p.783; 910,p.53; 940,p.51). S. N. Cole. Water levels, in feet below measuring point, 1942: Mar. 4, a/6.7; Aug. 22, b/8.74; Dec. 30, 7.61.

(B-10-3)32aaa1(*845,p.569; 886,p.783; 910,p.53; 940,p.51). B. E. Stallings. Water levels, in feet below measuring point, 1942: Mar. 5, 3.40; Aug. 22, 3.60; Dec. 30, 3.84.

(B-10-15)26(*886,p.783; 910,p.53; 940,p.51). Grazing Service, United States Department of Interior. Water level, in feet below measuring point, 1942: Oct. 5, 94.80.

(B-10-18)28dca(*886,p.783; 910,p.53; 940,p.51). Grazing Service, United States Department of Interior. Water levels, in feet below measuring point, 1942: Aug. 6, 121.32; Oct. 5, 121.41.

(B-11-3)21bbb2(*817,p.390; *840,p.539; 845,p.569; 886,p.783; 910,p.53; 940,p.51). J. A. House. Water levels, in feet below measuring point, 1942: Mar. 4, 4.68; Aug. 22, 5.47; Dec. 30, 5.20.

(B-11-3)21bbb3(*817,p.390; 840,p.539; 845,p.569; 886,p.783; *910,p.53; 940,p.51). J. A. House. Water levels, in feet below measuring point, 1942: Mar. 4, 3.20; Aug. 22, 4.08; Dec. 30, 4.09.

(B-11-4)11aaa1(*817,p.391; *840,p.540; 845,p.569; 886,p.783; *910,p.51; 940,p.51). Listed as (B-11-4)11aa in Water-Supply Paper 817. State claim 3337. Fred Deininger. Water levels, below measuring point, 1942: Mar. 4, 10.25; Aug. 22, 9.04; Dec. 30, 8.90.

(B-11-18)22aa(*817,p.391; 845,p.570; 886,p.784; 910,p.54; 940,p.51). A. L. Paskett. Water levels, in feet below measuring point, 1942: Aug. 6, 13.44; Oct. 5, 16.59.

a Well frozen.

b Windmill pumping intermittently during measurement.

Box Elder County--Continued

(B-11-18)23bb(*817,p.391; 886,p.784; 910,p.54; 940,p.51). Central Pacific Railroad. Water level, in feet below measuring point, 1942: Oct. 5, 16.67.

(B-12-3)11db2(*886,p.784; 910,p.54; 940,p.51). R. D. McFarlane. Water levels, in feet below measuring point, 1942: Mar. 4, 10.25; Aug. 22, 6.27; Dec. 30, 8.28.

(B-12-4)11cb(*817,p. 392; *840,p.540; 845,p.570; 886,p.784; *910,p.54; 940,p.51. State claim 14152. Adolph Harris. Water levels, in feet below measuring point, 1942: Mar. 4, 115.68; Aug. 6, 115.54; Oct. 5, 115.55.

(B-12-11)22(*817,p.392; 845,p.570; 886,p.784; *910,p.54; 940,p.51). Grazing Service, United States Department of Interior. Water levels, in feet below measuring point, 1942: Aug. 6, 9.29; Oct. 5, 9.58.

(B-12-14)2aa(*817,p.392; 840,p.540; 845,p.570; 886,p.784; *910,p.54; 940,p.51). Albert Hirschie. Water levels, in feet below measuring point, 1942: Aug. 6, 9.62; Oct. 5, 10.76.

(B-13-5)17bb(*817,p.393; *840,p.541; 845,p.570; 886,p.785; *910,p.54; 940,p.51). State claim 3776. R. A. Miller. Water levels, in feet below measuring point, 1942: Mar. 4, 63.18; Aug. 6, 63.02; Oct. 5, 63.04.

(B-13-5)28cb(*817,p.393; 840,p.541; 845,p.570; 886,p.785; 910,p.54; 940,p.51). Joseph Aebischur. Water levels, in feet below measuring point, 1942: Mar. 4, 61.90; Aug. 6, 60.97; Oct. 5, 60.98.

(B-13-6)1cac1(*910,p.54; 940,p.51). Deacon Brothers. Water levels, in feet below measuring point, 1942: Aug. 6, 153.27; Oct. 5, 153.69.

(B-13-13)28dd(*817,p.393; 845,p.571; *886,p.785; 910,p.54; 940,p.52). L. G. Carter. Water levels, in feet below measuring point, 1942: Aug. 6, 7.37; Oct. 5, 12.39.

(B-13-13)32aa(*817,p.393; 845,p. 571; 886,p. 785; 910,p.54; 940,p.52). John Vance. Water levels, in feet below measuring point, 1942: Aug. 6, 20.98; Oct. 5, 27.64.

(B-13-14)25cb(*817,p.393; 845,p.571; 886,p.785; 910,p.54; 940,p.52). J. H. Kunzler. Water levels, in feet below measuring point, 1942: Aug. 6, 9.60; Oct. 5, 13.10.

(B-13-14)26bd(*817,p.393;845,p.571; 886,p.785; 910,p.54; 940,p.52). W. A. Newman. Water levels, in feet below measuring point, 1942: Aug. 6, 17.83; Oct. 5, 19.55.

(B-14-8)11ab(*817,p.393; 840,p. 541; 845,p.571; 886,p.785; 910,p.54; 940,p.52). B. S. Cutler. No measurements made in 1942.

(B-14-9)10ad(*817,p.393; 840,p.541; 845,p.571; 886,p.785; 910,p.54; 940,p.52). Abe Rose. Water levels, in feet below measuring point, 1942: Aug. 6, 98.65; Oct. 5, 98.00.

(B-14-15)3ddd1(*817,p.393; 845,p.571; 886,p. 785; 910,p.54; 940.p.52). Listed as (B-14-5) 3dd in Water-Supply Papers 817 and 845, (B-14-15)3dd in Water Supply Paper 886. M. A. Smith. Water level,in feet below measuring point, 1942: Oct. 5, 47.99.

(B-14-15)11cc(*817,p.393; 845,p.571; 886,p.785; 910,p.55; 940,p.52). Listed as (B-14-5) 11cc in Water-Supply Paper 886. Mrs. C. B. Tracy. Water level, in feet below measuring point, 1942: Oct. 5, 20.63.

(B-15-14)36 (*817,p.393; 845,p.571; 886,p.785; 910,p.55; *940,p.52). H. Alberts. Water level, in feet below measuring point, 1942: Oct. 5, 0.69.

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(A-9-1)10add1(*817,p.358; *840,p.523; 845,p.571; 886,p.785; 910,p.55; 940,p.52). Listed as (A-9-1)10ad in Water Supply Paper 817. State claim 8135. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 3, 28.35; Aug. 20, 26.87; Dec. 29, 26.40.

(A-10-1)4ab(*817,p.358; 840,p.523; 845,p.571; 886,p.785; 910,p.55; 940,p.52). O. H. Anderson.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 19	a11.35	Apr. 21	a11.86	Dec. 29	10.80
Mar. 3	11.64	Aug. 20	11.86		

(A-11-1)3bda1(*817,p.358; *840,p.523; 845,p.571; 886,p.786; *910,p.55; 940,p.52). Listed as (A-11-1)3bd in Water Supply Paper 817. State claims 23 and 8136. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Aug. 20, 36.69; Dec. 29, 36.10.

(A-11-1)8dda3(*817,p.359; *840,p.524; 845,p.572; 886,p.786;*910,p.55; 940,p.52). State claim 1199. Amalgamated Sugar Co.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	a8.2	Feb. 2	a7.4	Apr. 6	a7.1	Aug. 20	b6.8
19	a7.2	Mar. 3	a8.6	16	a7.1	Dec. 29	9.40

(A-11-1)8ddb2(*817,p.359; *840,p.524; 845,p.572; 886,p.786; *910,p.55; 940,p.52). State claim 1210. Amalgamated Sugar Co. Water levels, in feet above measuring point, 1942: Feb. 3, a/10.9; Mar. a/c/10.3; Apr. 6, a/10.6; Apr. 16, a/10.5.

(A-11-1)18ddd1(*817,p.359; *840,p.524; 845,p.572; 886,p.786; *910,p.55; 940,p.52). Listed as (A-11-1)18dd in Water Supply Paper 817. State claim 5950. Lovenus Olsen. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Jan. 14	a1.84	Feb. 6	a1.95	Mar. 7	a1.68	Aug. 20	1.4
Feb. 4	a2.04	Mar. 3	1.74	Apr. 6	a1.74	Dec. 29	2.75

(A-11-1)30bbd2(*817,p.359; *840,p.524; 845,p.573; 886,p.787; 910,p.56; *940,p.52). State claim 18191. L. S. Hill. Water levels, in feet below measuring point, 1942: Mar. 3, 7.65; Aug. 20, 7.76; Dec. 29, 6.23.

(A-12-1)3bbb1(*817,p.359; *840,p.525; 845,p.573; 886,p.787; *910,p.56; 940,p.53). State claims 19 and 8129. Smithfield Irrigation Co. No measurements made in 1942.

(A-12-1)3bbb2(*817,p.360; 840,p.525;845,p.573; 886,p.787; 910,p.56; 940,p.53). Nora Johnson. Water levels, in feet below measuring point, 1942: Aug. 22, 12.21; Dec. 29, 13.43.

(A-12-1)16bcd1(*817,p.360; *840,p.525; 845,p.573; 886,p.787; *910,p.56; 940,p.53). State claim 11568. Logan City and Cache County. No measurements made in 1942.

(A-12-1)16cca1(*817,p.360; *840,p.525; 845,p.573; 886,p.787; *910,p.56; 940,p.53). State claim 10445. Benson Irrigation Co. Water levels, in feet above measuring point, 1942: Jan. 24,a/37.8; Mar. 4, 37.4; Dec. 29, 41.1.

a Measurement by Utah State engineer in cooperation with Work Projects Administration.

b Adjacent well flowing.

c Well flowing prior to measurements.

Cache County--Continued

(A-12-1)29bdd(*910,p.56; 940,p.53). Arnold Nielsen.
Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	15.0	....	15.4	14.9	15.7	17.0	17.4	17.3	17.6	17.5	17.1
2	....	....	....	15.0	14.9	15.8	16.8	17.3	17.3	17.7	17.5	16.9
3	....	15.0	....	15.2	14.8	15.9	16.8	17.0	16.9	17.5	17.6	16.6
4	....	15.0	....	15.2	14.9	15.9	16.8	17.1	16.8	17.3	17.6	16.8
5	....	15.3	....	15.5	14.8	16.1	16.9	17.1	16.9	17.2	17.4	16.9
6	....	15.5	....	15.2	15.3	16.0	16.9	17.1	17.0	17.1	17.5	16.7
7	....	15.4	....	15.4	15.2	16.1	17.2	17.2	17.0	17.7	17.5	16.9
8	....	15.3	....	15.4	15.4	16.0	17.0	17.1	17.0	17.6	17.5	17.0
9	....	15.4	....	15.5	15.3	16.0	17.0	17.3	17.1	17.4	17.5	17.1
10	....	....	....	15.1	14.9	16.0	17.1	17.3	17.0	17.0	17.1	16.6
11	....	....	....	15.5	14.9	16.0	17.1	17.4	17.0	17.0	17.1	16.8
12	....	....	....	15.5	15.0	15.9	17.0	17.3	17.5	17.0	17.0	16.9
13	....	....	....	15.5	14.9	16.0	17.1	17.3	18.0	17.0	17.1	16.6
14	....	....	....	15.2	15.0	16.0	17.2	17.4	18.4	17.0	17.4	16.5
15	....	....	....	15.0	15.1	16.0	17.2	17.2	18.0	16.9	17.3	16.7
16	....	....	....	15.2	15.0	16.2	17.3	17.3	18.3	17.0	17.1	16.6
17	....	....	....	15.0	15.0	16.1	17.2	17.2	18.5	17.3	17.2	16.6
18	....	....	....	14.9	15.5	16.1	17.1	17.1	17.4	17.2	17.3	16.7
19	....	....	....	15.4	15.5	16.3	17.1	17.2	17.3	17.2	17.0	16.6
20	....	....	....	15.5	15.5	16.3	17.2	17.1	17.2	17.3	16.9	16.6
21	....	....	....	15.5	15.5	16.4	17.3	17.1	17.2	17.3	17.0	16.7
22	....	....	....	15.1	15.6	16.5	17.3	17.0	17.4	17.2	16.9	16.5
23	....	....	15.6	15.0	15.7	16.9	17.3	17.0	17.3	17.3	16.9	16.8
24	....	....	15.2	15.0	15.6	16.7	17.3	17.1	17.3	17.4	17.1	16.8
25	....	....	15.2	15.0	15.6	16.7	17.4	17.2	17.5	17.3	17.0	16.9
26	....	....	15.5	15.2	15.7	16.7	17.3	17.1	17.6	17.3	16.9	16.3
27	....	....	15.4	15.2	15.6	16.7	17.4	17.1	17.6	17.6	16.9	16.2
28	15.4	....	15.2	15.0	15.5	16.6	17.4	17.0	17.5	17.4	17.0	16.6
29	15.3	....	15.0	15.0	15.1	16.7	17.5	17.1	17.7	17.3	17.0	16.6
30	....	....	15.0	15.3	15.6	17.0	17.4	17.0	17.7	17.3	17.0	16.9
31	15.2	....	15.2	....	15.7	....	17.3	17.1	....	17.5	....	16.7

(A-12-1)31dabl(*817,p.360; *840,p.525; 845,p.573; 886,p.787; *910,p.57; 940,p.53). State claim 2537. R. S. Painter.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 19	a31.7	Mar. 4	31.7	Dec. 29	30.9
28	ab31.8	Aug. 22	27.2		

(A-13-1)16ccbl(*840,p.525; 845,p. 573; 886,p.788; *910,p.57; 940,p.54). State claim 14018. A. A. Miles. Measurements by Utah State engineer in cooperation with Work Project Administration.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	2.36	Mar. 25	1.1	Apr. 13	1.61	May 5	c1.80
Feb. 11	1.98	Apr. 2	1.98	18	1.53	14	c1.92
Mar. 10	1.10	8	c1.8				

(A-13-1)29bdbl(*817,p.361; *840,p.526; 845,p.574; 886,p.788; *910,p.57; 940,p.54). State claim 1682. J. C. Cannell. Water levels in feet, with reference to measuring point, 1942: Feb. 20, a/-5.40; Mar. 10, a/-7.75; Aug. 22, +1.05; Dec. 29, +0.4.

a Measurement by Utah State engineer in cooperation with Work Projects Administration.
b Well leaking during measurement.
c Well flowing prior to measurements.

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(A-14-1)22badl (*845, p. 574; 886, p. 788; *910, p. 57; 940, p. 54). State claim 17652. C. B. Stoddard.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	a3.63	Apr. 1	a5.10	Apr. 13	a7.10	May 14	a11.5
Feb. 11	a4.0	2	a5.4	May 1	a10.5	Aug. 22	b9.2
Mar. 6	a4.2	8	a6.05	5	a10.8	Dec. 29	4.0
25	a4.45						

(A-14-1)34adbl (*817, p. 362; *840, p. 527; 845, p. 574; 886, p. 788; *910, p. 58; 940, p. 54). Listed as (A-14-1)34ad in Water-Supply Paper 817. State claim 1373. Crockett Well Co.

Water level, in feet below measuring point, 1942

Jan. 21	a14.40	Apr. 2	a8.1	May 1	a7.4	Aug. 22	12.73
Feb. 16	a14.0	8	a7.6	14	a7.9	Dec. 29	15.75
Mar. 25	a10.5	13	a7.4				

(A-14-1)34cacl (*817, p. 362; *840, p. 527; 845, p. 574; *886, p. 788; *910, p. 58; 940, p. 54). State claim 10383. Victor Johnson. All measurements by Utah State Engineer in cooperation with Works Project Administration.

Water level, in feet above measuring point, 1942

Jan. 21	17.6	Mar. 9	15.7	Apr. 1	18.9	Apr. 13	22.0
Feb. 16	16.2	25	16.6	8	20.2	May 14	23.6

(A-14-1)34dcal (*840, p. 527; *845, p. 574; 886, p. 788; *910, p. 58; 940, p. 54). State application 12652. Richmond Irrigation Co.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 21	a3.68	Mar. 9	a4.40	Aug. 22	2.34
Feb. 16	a3.29	25	a1.90	Dec. 29	4.01

(B-11-1)3bcdl (*817, p. 389; 840, p. 539; 845, p. 574; *886, p. 789; *910, p. 58; 940, p. 54). State claim 15787. Utah Power & Light Co. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9	a4.7	Mar. 3	4.9	Apr. 7	a4.9	Dec. 29	4.2
Mar. 2	a4.9	20	a4.8	Aug. 20	4.2		

(B-11-1)13bbcl (*817, p. 390; *840, p. 539; 845, p. 575; 886, p. 789; 910, p. 58; 940, p. 54). Listed as (B-11-1)13bb in Water-Supply Paper 817. State claim 19315. Alma Olsen. Water levels, in feet above measuring point, 1942: Mar. 3, b/37.1; Mar. 6, a/36.9; Aug. 20, 28.3; Dec. 29, b/38.0.

a Measurement by Utah State engineer in cooperation with Work Projects Administration.

b Well flowing prior to measurements.

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(B-11-1)35caal(*817,p.390;*840,p.539; 845,p.575; *886,p.789; 910,p.58; 940,p.54). Listed as (B-11-1)35ca in Water-Supply Paper 817. State claim 1475. J. A. Lieshman. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 6	a12.9	Mar. 5	a12.8	Aug. 20	13.1
Mar. 3	12.9	Apr. 21	a12.8	Dec. 29	13.7

(B-11-1)35dadl(*817,p.390; *840,p.539; 845,p.575; 886,p.789; *910,p.58; 940,p.54). State claim 5932. Andrew Hutchinson. No measurements made in 1942.

(B-12-1)8cdb2(*817,p. 391; *840,p.540; 845,p.575; *886,p.789; 910,p.58; 940,p.54). State claim 16851. Edward Edwards. Water levels, in feet above measuring point, 1942: Mar. 4, b/6.55; Aug. 22, 7.5; Dec. 29, b/6.1.

(B-13-1)30accl(*817,p.392; *840,p.541; *845,p.575; 886,p.789; *910,p.59; 940,p.54). State claim 2757. E. R. Ballard. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 4, 16.1; Aug. 22, 17.6; Dec. 30, 18.2.

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(A-2-1)17ccbl(*840,p.518; 845,p.575; 886,p.791; *910,p.59; 940,p.54). State claim 11318. Will Holbrook. Water levels, in feet below measuring point, 1942: Mar. 6, 30.5; May 4, 27.65; Aug. 26, 15.51.

(A-2-1)18abd(*845,p.576; 886,p.791; 910,p.59; 940,p.55). T. Q. Williams.

Water level at noon, in feet above measuring point. 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	18.5	....	19.8	22.8	26.1	27.1	24.0	15.5	18.8	....	....
2	....	19.2	....	19.8	22.8	26.2	24.3	24.7	16.8	18.8	....	....
3	....	19.4	....	19.8	23.0	26.2	25.0	26.2	16.3	18.7	25.1	....
4	....	19.3	....	19.9	23.3	25.9	27.0	21.8	18.1	18.7	....	....
5	....	19.4	....	19.8	23.3	26.3	24.2	22.2	19.2	18.8	....	....
6	....	19.4	....	20.0	23.5	25.8	23.5	22.2	18.3	18.8	....	....
7	....	19.2	....	20.0	23.8	25.9	24.0	23.6	18.5	18.2	....	....
8	....	....	....	20.1	23.9	26.1	22.8	25.0	18.4	17.8	....	....
9	....	....	....	20.3	24.0	26.6	23.9	20.5	18.4	17.8	....	....
10	....	....	....	20.4	23.8	27.0	23.3	19.7	15.1	18.0	....	....
11	....	....	....	20.4	24.0	27.0	24.0	23.9	16.7	18.1	....	....
12	....	....	....	20.2	24.1	27.0	24.0	25.0	17.6	18.6	....	....
13	....	....	....	20.5	24.0	27.0	26.9	25.5	19.3	18.7	....	....
14	....	....	19.0	20.7	24.4	24.8	22.7	22.5	19.8	18.7	....	....
15	....	....	....	20.6	24.8	26.5	21.4	21.5	20.1	....	....	....
16	....	....	19.0	20.8	24.8	26.5	23.0	20.7	20.3	....	....	....
17	....	....	18.9	21.0	24.8	26.9	26.0	22.1	20.4	....	....	....
18	....	....	18.8	20.8	25.2	26.9	27.7	21.3	19.7	....	....	....
19	....	....	19.0	21.2	25.3	27.0	27.4	21.9	20.2	....	....	....
20	....	....	19.1	21.3	25.6	26.5	22.2	22.7	19.9	....	....	....
21	....	....	....	21.6	25.8	25.5	25.7	22.1	20.1	....	....	....
22	....	....	....	21.7	25.7	26.9	27.0	18.8	20.1	....	....	....
23	....	....	19.5	21.9	26.0	26.8	26.9	20.5	20.2	....	....	....
24	....	....	19.5	21.8	25.2	27.3	27.0	22.4	19.9	....	....	....
25	....	....	19.4	21.9	24.8	26.0	23.0	....	17.9	....	....	....
26	19.2	....	19.4	22.1	23.3	27.0	23.1	20.6	18.3	23.9	....	....
27	19.0	....	19.4	22.3	23.8	27.8	25.6	16.5	19.0	....	....	....
28	19.0	....	19.5	22.3	24.4	28.2	26.5	17.0	19.5	....	....	....
29	19.2	....	19.6	22.3	25.5	28.7	25.2	18.1	17.5	....	....	....
30	19.2	....	19.6	22.7	....	25.7	23.6	17.3	19.9	....	....	....
31	....	....	19.8	....	....	....	24.5	15.5	....	....	....	....

a Measurement by Utah State engineer in cooperation with Work Projects Administration.

b Well flowing prior to measurements.

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(A-2-1)18baal(*817,p.351; *840,p.518; 845,p.576; *886,p.792; *910,p.60; 940,p.55). State claim 5391. F. W. Cottrell. Water levels, in feet above measuring point, 1942: Mar. 6, a/37.3; Aug. 25, 33.2.

(A-2-1)18dba3(*845,p.576; 886,p.792; *910,p.60; 940,p.55). State claim 10464. A. E. M. Bangerter. Water level, in feet above measuring point, 1942: Mar. 6, 10.35.

(A-2-1)19aadl(*840,p.518; 845,p.576; 886,p.792; *910,p.60; 940,p.55). State claim 2059. Moses Holbrook. Water levels, in feet below measuring point, 1942: Mar. 6, 65; Aug. 26, 53.69.

(A-2-1)19dbcl(*840,p.519; 845,p.577; 886,p.792; *910,p.61; 940,p.55). State claim 1447. Bountiful City Corporation. Water level, in feet below measuring point, 1942: May 4, 59.93.

(B-2-1)25bad2(*817,p.365; *840,p.528; 845,p.577; 886,p.793; *910,p.61; 940,p.55). State claim 12452. Myrtle Hatch. Water levels, in feet above measuring point, 1942: Mar. 6, a/5.7; Aug. 26, 9.8.

(B-2-1)26aadl(*817,p.368; *840,p.528; 845,p.577; 886,p.793; *910,p.61; 940,p.55). State claim 3656. Clyde Hatch. Water levels, in feet above measuring point, 1942: Mar. 6, 45.9; Aug. 26, 46.3.

(B-2-1)27ddd4(*817,p.373; *840,p.529; 845,p.577; 886,p.793; *910,p.61; 940,p.55). State claim 12034. Albert Thalman. Water level, in feet above measuring point, 1942: Mar. 6, b/28.40.

(B-2-1)34ada3(*817,p.374; 840,p.529; 845,p.577; 886,p.793; *910,p.61; 940,p.55). State claim 9308. M. H. Dearden. Water levels, in feet above measuring point, 1942: Mar. 6, 17.1; Aug. 23, 13.2.

(B-2-1)36bad2(*817,p.378; *840,p.530; 845,p.578; 886,p.794; *910,p.62; 940,p.56). State claim 4550. M. P. Parkin. Water levels, in feet below measuring point, 1942: Mar. 6, 16.97; May 4, 13.74; Aug. 26, 11.03.

(B-2-1)36bbdl(*817,p.379;*840, p.530; 845,p.578; 886,p.794; *910,p.62; 940,p.56). State claim 951. Anna I. Lemon.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.0	7.0	...	9.1	11.2	13.6	14.1	13.3	12.5	12.3	....	....
2	...	7.0	...	9.0	11.2	13.8	13.8	13.4	12.4	12.1	....	....
3	...	7.0	...	9.2	11.3	13.9	13.7	13.3	12.3	11.9	10.6	....
4	...	7.0	...	9.5	11.3	13.6	13.7	13.1	12.4	11.8	10.2	....
5	...	7.0	...	9.3	11.4	14.1	14.1	12.9	12.3	11.7	....	....
6	...	7.3	...	9.4	11.6	14.1	13.9	12.8	12.3	11.7	....	....
7	...	7.2	...	9.4	11.7	14.2	13.9	13.0	12.4	11.8	....	....
8	7.0	6.9	...	9.5	12.0	13.9	13.9	13.1	12.6	11.6	....	....
9	7.0	6.9	...	9.5	12.0	14.0	13.7	13.1	12.4	11.5	....	....
10	7.0	6.8	...	9.6	11.7	13.9	13.7	12.9	12.2	11.4	....	....
11	7.0	6.9	...	9.7	11.8	13.8	13.7	12.5	12.4	11.3	....	....
12	6.8	6.8	...	9.7	11.9	13.7	13.8	12.6	12.3	11.2	....	....
13	6.8	6.9	...	9.9	11.8	14.0	13.8	12.6	12.6	11.2	....	....
14	6.8	7.0	...	9.7	12.0	14.1	13.8	12.6	12.7	11.1	....	....
15	6.8	7.0	...	9.5	12.4	14.2	13.8	12.7	12.6	11.0	....	....
16	7.0	6.9	...	9.6	12.2	14.5	13.7	12.6	12.7	11.1	....	....
17	7.0	6.8	...	9.7	12.4	14.6	13.5	12.6	12.5	11.3	....	....
18	7.0	...	...	9.5	12.5	14.4	13.7	12.6	12.3	11.4	....	....
19	6.9	...	...	9.7	12.6	14.2	13.7	12.5	12.4	11.3	....	....
20	6.9	...	8.6	9.9	12.8	14.4	13.4	12.2	12.5	11.2	....	....
21	6.9	...	8.6	10.2	13.0	14.3	13.5	12.3	12.3	11.2	....	....
22	7.0	...	8.7	10.3	13.2	14.4	13.5	12.4	12.3	11.4	....	....
23	7.0	...	8.8	10.1	13.3	14.5	13.6	12.4	12.4	11.4	....	....

a Well flowing prior to measurement.
b Leaking during measurement.

Davis County--Continued

(B-2-1)36bbdl(*817,p.379; *840,p.530; 845,p.578; 886,p.794; *910,p.62; 940,p.56)State claim 951. Anna I. Lemon --Continued.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
24	7.1	...	8.9	10.4	13.1	14.6	13.4	12.4	12.4	11.4	....	....
25	7.1	...	8.8	10.5	13.1	14.4	13.4	12.6	12.4	11.2	....	....
26	7.0	...	8.6	10.6	13.0	13.9	13.5	12.6	12.2	....	....	....
27	7.1	...	8.8	10.7	12.9	14.0	13.5	12.6	12.2	....	....	....
28	7.0	...	8.9	11.0	13.1	14.0	13.4	12.4	12.3	....	....	....
29	6.9	...	9.0	11.1	13.0	14.2	13.4	12.6	12.4	....	....	11.1
30	6.9	...	9.0	11.1	13.4	14.2	13.4	12.5	12.1	....	....	11.1
31	7.0	...	9.1	....	13.5	....	13.4	12.3	....	....	....	11.2

(B-2-1)36ccbl(*817,p.380; *840,p.530; 845,p.579; *886,p.795; 910,p.62; 940,p.56). State claim 17108. Farmers State Bank. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 6, 2.35; Aug. 26, 5.1.

(B-3-1)15aabl(*817,p.381; *840,p.531; 845,p.579; *886,p.795; *910,p.63; 940,p.56). State claim 8156. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 6, 14.82; May 4, 14.64; Aug. 26, 14.37.

(B-3-1)24aaa4(*817,p.381; *840,p.531; 845,p.579; 886,p.795; *910,p.63; 940,p.56). State claim 10019. Lagoon Resort. Water levels, in feet above measuring point, 1942: Mar. 6, 10.05; Aug. 26, 10.70.

(B-3-1)24aadl(*817,p.381; *840,p.531; 845,p.579; 886,p.795; *910,p.63; 940,p.56). State claim 10012. Lagoon Resort. Water level, in feet above measuring point, 1942: Mar. 6, 8.55.

(B-4-1)19cd(*817,p.382; *840,p.531; 845,p.579; 886.p.795; 910.p.63; 940,p.57). Charles Layton. Water levels, in feet with reference to measuring point, 1942: May 4, -0.25; Aug. 26, +0.95.

(B-4-1)30ba(*817,p.382; 840,p.532; 845,p.579; 886,p.795; 910,p.63; 940, p.57). W. W. Evans. Water levels, in feet below measuring point, 1942: Mar. 6, 3.84; May 4, 3.36; Aug. 25, 2.90.

(B-4-1)34cbc3(*840,p.532; 845,p.579; 886,p.795; *910,p.63; 940,p.57). State claim 14733. Kaysville Canning Corporation. Water levels, in feet below measuring point, 1942: Mar. 6, 5.03; May 4, 4.94; Aug. 26, 5.30.

(B-4-2)ldccl(*817,p.383; *840,p.532; 845,p.580; *886,p.796; *910,p.64; 940,p.57). State claim 8139. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 6, 176.55; May 4, 176.42; Aug. 26, 175.71.

(B-4-2)9caal(*840,p.532; 845,p.580; 886,p.796; *910,p.64; 940,p.57). State claim 11285. A. D. Miller. Well flowing prior to measurement. Water level, in feet above measuring point, 1942: Dec. 31, 21.8.

(B-4-2)10daal(*817,p.383; *840,p.532; 845,p.580; 886,p.796; *910,p.64; 940,p.57). State claim 8143. Drought Relief Administration. (B-4-2)10da in Water-Supply Paper 817. No measurements made in 1942.

(B-4-2)20bbbl(*840,p.532; 845,p.580; 886,p.796; *910,p.64; 940,p.57). State claim 12532. George Sandoz. Well flowing prior to measurement. Water level, in feet above measuring point, 1942: Aug. 26, 21.5.

(B-5-3)36adal(*817,p.384; *840,p.534; *845, p.580;*886,p.796; *910,p.64; 940,p.57). State claim 3074. Mary Stoddard. Water levels, in feet above measuring point, 1942: Mar. 6, 27.6; Aug. 25, a/26.6; Dec. 31, 28.0.

a Well flowing prior to measurement.

Duchesne County

U(B-1-1)31ddb(*817,p.477;*840,p.613; 845,p.580; 886,p.796; 910,p.65; 940,p.57). Morris Woodward. Water levels, in feet below measuring point, 1942: Aug. 2, 5.70; Oct. 8, 6.52.

U(B-4-3)2badl(*886,p.797; *910,p.65; 940,p.57). State application 12553. Duchesne City. Water levels, in feet below measuring point, 1942: Aug. 1, 3.60; Oct. 7, 2.98.

U(C-1-2)4adcl(*817,p.478; *840,p.614; 845,p.580; 886,p.797; 910,p.65; 940,p.57). Listed as U(C-1-2)4ad in Water-Supply Paper 817. State claim 8162. Drought Relief Administration. Water level,in feet below measuring point, 1942: Aug. 2, 13.98.

U(C-1-2)15bbcl(*817,p.478; *840,p.614; 845,p.580; 886,p.797; 910,p.65; 940,p.57). Listed as U(C-1-2)15bb in Water-Supply Paper 817. State claim 2152. R. M. Clarke. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 2, 9.0; Oct. 8, 8.2.

U(C-1-2)27aaa(*817, p.478; *840,p.614; *845,p.581; 886,p.797; 910,p.65; 940,p.57). Listed as U(C-1-2)27aa in Water-Supply Paper 817. Well flowing prior to measurements. State claim 8169. Drought Relief Administration. Water levels above measuring point, 1942: Aug. 2, 15.8.

U(C-1-3)28dcdl(*886,p.797; 910,p.65; 940,p.57). D. H. Allred. Water levels, in feet below measuring point, 1942: Aug. 1, 7.50; Oct. 7, 8.96.

U(C-1-3)31cca5(*886,p.797; 910,p.65; 940,p.57). R. A. Lister. Water levels, in feet below measuring point, 1942: Aug. 1, 2.50; Oct. 7, 3.66.

U(C-1-4)14aadl(*886,p.797; 910,p.65; 940,p.57). State application 12748. Forest Service, United States Department of Agriculture. Water levels, in feet below measuring point, 1942: Aug. 1, 2.08; Oct. 7, 2.94.

U(C-1-4)28dccl(*886,p.797; 910,p.65; 940,p.57). State claim 8170. Drought Relief Administration. Water levels, in feet with reference to measuring point, 1942: Aug. 1,+1.93; Oct. 7, -0.84.

U(C-1-5)13ada2(*817,p.478; 840,p.614; 845,p.581; 886,p.797; 910,p.65; 940,p.57). State claim 6006. Brigham Stephenson. Water levels, in feet below measuring point, 1942: Aug. 1, 5.63; Oct. 7, 6.32.

U(C-1-5)13ada3(*817,p.478; *840,p.614; 845,p.581; *886,p.797; *910,p.65; 940,p.58). State claim 8165. Drought Relief Administration. Water levels, in feet, with reference to measuring point, 1942: Aug. 1, 0.15; Oct. 7, 1.50.

U(C-2-1)15ddal(*886,p.797; *910,p.65). State application 12977. R. Q. Warnock. Well flowing prior to measurement. Water level, in feet above measuring point, 1942: Aug. 3, 37.2; Oct. 8, more than 52.

U(C-2-1)22bb(*840,p.614; *845,p.581; 886,p.797; *910,p.65; 940,p.58). State application 12440. E. H. Peterson. Water level,in feet above measuring point, 1942: Oct. 8, 33.0.

U(C-2-1)22bcbl(*817,p.478; *840,p.614; 845,p.581; 886,p.797; 910,p.65; 940,p.58). Listed as U(C-2-1)22bc in Water-Supply Paper 817. State claim 958. Stephen Wogac. Water levels, in feet above measuring point, 1942: Aug. 3, a/25.0; Oct. 8, a/21.5.

U(C-2-2)13ccc(*886,p.798; 910,p.65; 940,p.58). State claim 1861. J. O. Griffin. Well flowing prior to measurement. Water level, in feet above measuring point, 1942: Oct. 8, 1.9.

U(C-2-2)23bacl(*817,p.478; *840,p.614; 845,p.581; 886,p.798; 910,p.65; 940,p.58). State claim 1658. City of Roosevelt. Water level, in feet above measuring point, 1942: Oct. 8, 11.8.

a Well flowing prior to measurements.

Duchesne County--Continued

U(C-2-3)10dad(*886,p.798; 910,p.65; 940,p.58). George Vangundy. Water level,in feet below measuring point, 1942: Oct. 7, 15.14.

U(C-2-3)28da(*817,p.478; 840,p.614; 845,p.581; 886,p.798; 910,p.65; 940,p.58). Drought Relief Administration. Water levels, in feet above measuring point, 1942: Aug. 1, 1.99; Oct. 7, 0.70.

U(C-2-3)33ccdl(*886,p.798; 910,p.66; 940,p. 58). E. B. Thompson. Water levels, in feet above measuring point, 1942: Aug. 1, 4.54; Oct. 7, 4.5.

U(C-2-5)2bbcl(*817,p.478; *886,p.798; *910,p.66; 940,p.58). State claim 8161. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Aug. 1, 3.29. Oct. 7, 3.74.

U(C-2-5)2bc(*817,p.478; 840,p.614; 845,p.581; 886,p.798; 910,p.66; 940,p.58). Talmage School. No measurements made in 1942.

U(C-3-3)8cddl(*817,p.478; 840,p.614; 845,p.581; 886,p.798; 910,p.66; 940,p.58). Henry Richins. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 1, 13.6; Oct. 7, 13.1.

U(C-3-3)17da(*817,p.478; 840,p.614; 845,p.581; 886,p.798; 910,p.66; 940,p.58). Frank Horricks. No measurements made in 1942. Measurements discontinued.

U(C-3-4)7cal(*817,p.479; *886,p.798; 910,p.66).[a] Knight Investment Co. Water levels, in feet below measuring point, 1942: Aug. 1, 94.56; Oct. 7, 94.71.

U(C-3-4)7ca2(845,p.581; 886,p.798; 910,p.66; 940,p.58).[b] Knight Investment Co. Unused well, diameter 6 inches, depth 209 feet. Measuring point, top of casing, 2.4 feet above land surface. Water levels, in feet below measuring point, 1942: Aug. 1, 120.62; Oct. 7, 120.30.

U(C-3-4)21aa(*817,p.479; 840,p.614; 845,p.581; 886,p.798; 910,p.66; 940,p.58). Knight Investment Co. Water levels, in feet below measuring point, 1942: Aug. 1, 96.17; Oct. 7, 95.86.

U(C-3-4)22ba(*817,p.479; 840,p.614; 845,p.581; 886,p.798; 910,p.66; 940,p.58). Knight Investment Co. Water levels, in feet below measuring point, 1942: Aug. 1, 152.86; Oct. 7, 153.18.

U(C-4-2)5bb(*817,p.479; 840,p.614; 845,p.581; 886,p.798; 910,p.66; 940,p.58). Drought Relief Administration. Water levels, in feet below measuring point, 1942: Aug. 1, 3.05; Oct. 9, 3.30.

U(C-4-3)3cb(*817,p.479; *840,p.614; 845,p.581; 886,p.798; *910,p.66; 940,p.58). State claim 13129. Roy Taylor. Water levels, in feet below measuring point, 1942: Aug. 1, 7.98; Oct. 9, 7.86.

U(C-4-3)4bdcl(*886,p.799; 910,p.66; 940,p.58). State application 12568. Bureau of Reclamation. United States Department of Interior. Water levels, in feet below measuring point, 1942: Aug. 1, 3.08; Oct. 7, 3.37.

Garfield County

(C-31-2)10 cbal(*840,p.565;845,p.581; 886,p.799; 910,p.66; *940,p.58). Gus Lambson. Water level, in feet below measuring point, 1942: Dec. 17,16.60.

(C-32-2)2dadl(*840,p.565; 845,p. 581; 886,p.799; 910,p.66; *940,p.58). T. W. Roberts. Water levels, in feet below measuring point, 1942: Aug. 8, 4.17; Dec. 17, 14.51.

a This is not the well listed in Water-Supply Paper 845(p.581)as U(C-3-4) 7ca.

b This is not the well listed in Water-Supply Paper 817(p.479)as U(C-3-4)7ca.

Garfield County--Continued

(C-33-5)21bdbl(*817,p.424; 840,p.566; 845,p.581; 886,p.799; 910,p.66; *940,p.58). Eva Tebbs. Water levels, in feet below measuring point, 1942: Mar. 17, 14.82; Aug. 8, 14.51; Dec. 17, 13.94.

(C-33-5)28bcdl(*840,p.566; 845,p.582; 886,p.799; *910,p.66; 940,p.59). State application 11739. Annie Wilcock. Water levels, in feet below measuring point, 1942: Mar. 17, 46.15; Aug. 8, 38.85.

(C-34-5)8adb2(*817,p.426; *840,p.569; 845,p.582; 886,p.799; *910,p.66; 940,p.59). Deward Woodard.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 17	13.82	June 29	7.1	Sept. 5	4.70
May 9	13.1	Aug. 8	5.40	Dec. 17	a10.64

(C-34-5)28dcal(*817,p.426; 840,p.569; 845,p.582; *886,p.799; 910,p.66; *940,p.59). Reed Hayward. Water levels, in feet below measuring point, 1942: Mar. 17, 14.47; Aug. 8, 2.27; Dec. 17, 9.45.

(C-35-4)34dcal(*845,p.582; 886,p.799; *910,p.67; 940,p.59). State claim 5140, Charles and Will Proctor. Water levels, in feet below measuring point, 1942: Aug. 8, 7.21; Dec. 17, 7.49.

(C-36-3)7aacl(*845,p.582; *886,p.799; 910,p.67; *940,p.59). Lillie Stead. Water levels, in feet below measuring point, 1942: Mar. 17, 2.89; Aug. 8, 8.39; Dec. 17, 7.52.

(C-36-3)18bddl(*845,p.582; 886,p.799; 910,p.67; 940,p.59). R. G. Syrett. Water levels, in feet below measuring point, 1942: Mar. 17, 96.07; Aug. 8, 63.41; Dec. 17, 94.84.

(C-36-5)29da(*817,p.435; 840,p.585; *845,p.582; 886,p.800; 910,p.67; 940,p.59). J. A. Yardley. Water levels, in feet below measuring point, 1942: Mar. 17, 32.31; Aug. 8, 24.22; Dec. 17, 26.30.

Grand County

(D-22-19)27dbb. Frank Paxton. Stock well, diameter 12 inches, depth 75 feet. Measuring point, top of 3-inch plank, 0.27 foot above top of casing and level with land surface. Water level, in feet below measuring point, Nov. 4, 41.20.

(D-24-20)22bacl. Grazing Service, United States Department of Interior. Unused well, diameter 6 inches, depth 42 feet. Measuring point, top of casing, 2.5 feet above land surface.

Water level, in feet below measuring point, 1942

Nov. 7	9.01	Nov. 25	9.12	Dec. 25	9.90
10	9.13	Dec. 10	9.15		

(D-26-22)17dbb. Unused well, diameter 30 inches, depth 132 feet. Measuring point, top of concrete curb, on west side, 0.8 foot above land surface. Water level, in feet below measuring point, 1942: Nov. 5, 48.62.

a Pump turned off 1 hour prior to measurement.

Iron County--Cedar City Valley

(C-33-11)30dddl(*845,p.590; *886,p.800; *910,p.67; 940,p.59). State claim 6005. G. P. Stapley. Water levels, in feet below measuring point, 1942: Mar. 14, 35.35; Aug. 6, 35.29; Dec. 16, 35.85.

(C-34-10)6cccl(*845,p.594; *886,p.801; *910,p.67; 940,p.59). State claim 11213. Public land. Water levels, in feet below measuring point, 1942: Mar. 14, 8.91; Aug. 6, 10.56; Dec. 16, 10.33.

(C-34-10)31cbcl(*845,p.594; *886,p.801; 910,p.67; 940,p.59). M. S. Jones. Water levels, in feet below measuring point, 1942: Aug. 6, 1.22; Dec. 16, 0.96.

(C-34-11)9cdcl(*845,p.595; *886,p.802; 910,p.68; 940,p.59). D. C. Evans. Water levels, in feet below measuring point, 1942: Mar. 14, 22.81; Aug. 6, 23.35; Dec. 16, 23.20.

(C-34-11)29badl(*840,p.570; *845,p.595; *886,p.803; 910,p.69; 940,p.59). E. E. Williams. Water levels, in feet below measuring point, 1942: Mar. 14, 25.36; Aug. 6, 25.44; Dec. 16, 25.57.

(C-34-11)36cbc2(*840,p.571; 845,p.596;*886,p.804; *910,p.69; 940,p.59). State claim 10820. George Grimshaw. Water levels, in feet below measuring point, 1942: Mar. 14, 17.90; Aug. 6, 18.38; Dec. 16, 18.78.

(C-35-10)18cbbl(*840,p.574; 845,p.598; *886,p.804; *910,p.69; 940,p.59). Richard Williams. Water levels, in feet below measuring point, 1942: Mar. 14, 44.03; Aug. 6, 51.82; Dec. 16, 45.76.

(C-35-11)1cdcl(*840,p.574; 845,p.598; *886,p.805; *910,p.70; 940,p.59). State claim 17278. Ray Grimshaw. Water levels, in feet below measuring point, 1942: Mar. 14, 2.42; Aug. 6, 3.34; Dec. 16, 2.72.

(C-35-11)4ddal(*840,p.575; *845,p.599; *886,p.805; *910,p.70; 940,p.59). State claim 5121. Federal Land Bank. Water levels, in feet below measuring point, 1942: Mar. 16, 1.32; Dec. 16, 1.27.

(C-35-11)8cddl(*840,p.575; *845,p. 599; 886,p.806; *910,p.71; 940,p.59). State claim 13703. Charles Corry. Water levels, in feet below measuring point, 1942: Mar. 14, 11.26; Aug. 6, 17.20; Dec. 14, 10.66.

(C-35-11)14dabl(*840,p.575; 845,p.602; *886,p.809; *910,p.73; 940,p.59). State claim 14000. David Murie. Water levels, in feet, with reference to measuring point, 1942: Mar. 14,-137; Aug. 6, -0.89; Dec. 16, +0.20.

(C-35-11)15aacl(*840,p.575; 845,p.602; *886,p.809; *910,p.74; 940,p.59). State claim 1220. H. D. Haight. Water level, in feet below measuring point, 1942: Mar. 16, 6.49.

(C-35-11)21dbdl(*886,p.810; 910,p.75; 940,p.60). State claim 1222. D. C. Urie.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.08	24.60	24.29	23.74	22.99	23.07	22.46	23.08	22.66	22.57	22.12	22.04
2	25.05	24.58	24.21	23.74	23.02	23.02	22.47	23.12	22.74	22.58	.....	21.97
3	25.01	24.57	24.18	23.69	22.97	23.00	22.49	23.15	22.78	22.57	.....	21.99
4	25.05	24.54	24.23	23.67	22.92	23.01	22.51	23.19	22.83	22.52	.....	21.94
5	25.03	24.57	24.17	23.65	22.97	22.04	22.54	23.16	22.87	22.49	.....	21.99
6	25.00	24.53	24.13	23.61	22.91	22.00	22.55	22.99	22.93	22.52	.....	21.97
7	24.99	24.50	24.19	23.61	22.88	22.85	22.54	22.91	22.93	22.56	.....	21.98
8	20.96	24.53	24.16	23.59	22.85	22.86	22.55	22.87	22.86	22.53	22.24	21.97
9	25.00	24.54	24.10	23.56	22.81	22.84	22.56	22.81	22.90	22.49	22.30	21.97
10	24.96	24.56	24.09	23.53	22.81	22.81	22.58	22.72	22.95	22.44	22.29	21.95
11	24.94	24.45	24.03	23.51	22.82	22.76	22.60	22.71	22.98	22.38	22.28	21.96
12	24.92	24.43	24.04	23.49	22.87	22.74	22.64	22.68	22.95	22.36	22.22	21.92

Iron County - Cedar City Valley--Continued

(C-35-11) 21dbdl. D. C. Urie--Continued.

Water level at noon, in feet below measuring point, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	24.90	24.41	24.01	23.46	22.85	22.72	22.69	22.66	22.88	22.40	22.21	21.89
14	24.90	24.40	24.05	23.41	22.87	22.71	22.73	22.65	22.80	22.38	22.15	21.95
15	24.86	24.39	24.01	23.44	22.77	22.67	22.71	22.69	22.82	22.34	22.07	21.92
16	24.83	24.39	24.03	23.38	22.82	22.63	22.71	22.69	22.86	22.34	22.19	21.87
17	24.84	24.43	24.04	23.34	22.95	22.62	22.72	22.60	22.91	22.34	22.17	21.83
18	24.83	24.41	23.94	23.37	22.98	22.60	22.80	22.51	22.96	22.32	22.15	21.84
19	24.82	24.39	23.96	23.30	22.97	22.57	22.81	22.49	22.94	22.29	22.10	21.89
20	24.80	24.35	23.95	23.28	22.97	22.58	22.85	22.40	22.82	22.29	22.19	21.83
21	24.76	24.30	23.95	23.25	23.05	22.55	22.84	22.40	22.74	22.27	22.23	21.83
22	24.73	24.27	23.89	23.19	22.97	22.56	22.88	22.45	22.67	22.22	22.15	21.80
23	24.74	24.37	23.86	23.19	22.99	22.55	22.87	22.48	22.63	22.21	22.09	21.79
24	24.72	24.26	23.81	23.18	23.01	22.56	22.90	22.41	22.60	22.23	22.05	21.76
25	24.70	24.30	23.89	23.14	22.95	22.53	22.87	22.48	22.56	22.25	22.10	21.69
26	24.70	24.31	23.92	23.12	22.92	22.54	22.93	22.56	22.59	22.20	22.07	21.90
27	24.66	24.23	23.88	23.08	22.97	22.49	22.86	22.59	22.57	22.13	22.01	21.88
28	24.63	24.25	23.83	23.04	22.90	22.51	22.95	22.60	22.60	22.09	22.04	21.79
29	24.66	.....	23.82	23.05	22.96	22.50	22.95	22.62	22.61	22.16	22.07	21.76
30	24.65	.....	23.81	23.07	23.05	22.48	22.99	22.70	22.63	22.20	22.01	21.75
31	24.62	.....	23.77	.....	23.07	.....	23.04	22.73	.....	22.22	.....	21.74

(C-35-11) 21dccl (*817, p. 429; *840,p.576; 845, p.603; *886,p.811; *910,p.76; 940,p.60). State claim 11599. Wilford Fife. Water levels, in feet below measuring point, 1942: Mar. 16, 25.61; Aug. 6, a/47.5; Dec. 16, 23.89.

(C-35-11) 27accl(*817, p. 429; *840, p.577; *845,p.604; *886,p.811; *910,p.77; 940,p.60). Listed as (C-35-11)27ac in Water-Supply Paper 817. State claim 382. Fernleigh Gardner.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	36.62	Apr. 25	35.05	Aug. 6	a44.08	Nov. 26	34.29
Feb. 25	36.25	May 26	31.72	26	b38.4	Dec. 16	34.01
Mar. 16	36.00	June 25	30.24	Sept.26	a43.44	24	33.86
26	35.88	July 25	b37.09	Oct. 24	35.20		

(C-35-11) 29abd2(*840, p. 577; *845, p.605; *886, p.813; *910,p.77; 940,p.60). Listed as (C-35-11) 29aac in Water-Supply Paper 840. State claim 11603. Kumen Jones. Water levels, in feet below measuring point, 1942: Aug. 6, 29.33; Dec. 14, 28.29.

(C-35-11) 31acdl (*817,p.431; *840,p.578; 845, p.606; *886,p.814; *910, p. 78; 940,p.60). Listed as (C-35-11)31ac in Water-Supply Paper 817. State claim 13498. Heber Jensen. Water levels, in feet below measuring point, 1942: Mar. 14, 19.75; Dec. 16, 21.27.

(C-35-11) 32cddl(*840,p.578; 845, p.606; *886,p.814; *910,p.79; 940, p.60). State claim 11595. C. R. Matheson. Water levels, in feet below measuring point, 1942: Mar. 14, 41.76; Dec. 16, 40.72.

(C-35-11) 33aacl (*777, p.244; *817,p.532; *840,p.578; 845, p.607; *886 p.814; 910,p.79; 940,p.60). Listed as (C-35-11)33aa in Water-Supply Papers 777 and 817. State claim 5126. Cottonwood Pump & Irrigation Co. Water levels, in feet below measuring point, 1942: Mar. 16, 58.40; Dec. 16,57.83.

(C-35-12)34dcdl (*817,p.433; *840,p. 579; *845, p.608; *886,p. 815; *910,p. 80; 940, p.60). Listed as (C-35-12)34 in Water-Supply Paper 817. State claim 4873. R. J. and W. M. Shay. Water levels, in feet below measuring point, 1942: Mar. 16, 16.17; Aug. 7, 16.48; Dec. 16, 16.07.

a Pumping.
b Pump turned off 30 minutes prior to measurement.

Iron County-Cedar City Valley--Continued

(C-36-11)8aabl(*817,p.435; *840,p.586; 845,p.612; *886,p.816; *910,p.81; 940,p.60). Listed as (C-36-11)8aa in Water-Supply Paper 817. State claim 13494. Leonard Hargrave. Water levels, in feet below measuring point, 1942: Mar. 14, 48.68; Aug. 6, 52.07; Dec. 16, 48.44.

(C-36-11)18aba2(*817,p.436; 840,p.586; 845,p.613; 886,p.817; *910,p.81; 940,p.61). Listed as (C-36-11)18ab in Water-Supply Paper 817. State claim 17383. Jacob Smith. Water levels, in feet below measuring point, 1942: Mar. 16, 19.90;Aug. 7, 21.14; Dec. 16, 18.43.

(C-36-12)1aaa2(*817,p.436; *840,p.587; 845,p.614; *886,p.818; *910,p.82; 940,p.61). State claim 13995. M. J. MacFarland. Water levels. in feet below measuring point, 1942: Mar. 14, 21.08; Aug. 6, a/40; Dec. 16, 7.24.

(C-36-12)12dbal(*817,p.437; 840,p.587; 845,p.615; *886,p.819; *910,p.83; 940,p.61). Listed as (C-36-12)12db in Water-Supply Paper 817. State claim 15411. Branch Agricultural College. Water levels, in feet below measuring point, 1942: Mar. 16, 14.55; Aug. 7, 18.08; Dec. 16, 14.72.

(C-36-12)14bbdl(*817,p.437; 840,p.587; 845,p.615; *886,p.819; 910,p.84; 940,p.61). Listed as (C-36-12)14bb in Water-Supply Paper 817. G. H. Pratt. Water levels, in feet below measuring point, 1942: Mar. 16, 8.70; Aug. 7, 8.78; Dec. 16, 8.49.

(C-36-12)20ddcl(*910,p.84; 940,p.61). State claim 13516. E. L., H. D., and L. M. Jones. Water levels, in feet below measuring point, 1942: Mar. 16, 2.94; Aug. 7, 2.65; Dec. 16, 2.56.

(C-36-12)26cbbl(*845,p.616; *886,p.820; *910,p.84; 940,p.61). State claim 13747. Cox and Thorley. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 7, 3.6; Dec. 4, 4.5.

(C-36-12)28cccl(*845,p.616; *886,p.820; 910,p.85; 940,p.61). A. P. Spilsbury. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 16, 5.1; Aug. 7, 5.6; Dec. 16, 5.3.

(C-37-12)9baal(*845,p.617; *886,p.821; *910,p.86; 940,p.61). State claim 16350. Platt Watson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 16, 2.50; Aug. 7, 2.7; Dec. 16, 2.35.

(C-37-12)11dbcl(*845,p.617; *886,p.821; 910,p.86; 940,p.61). Oliver Berkhelder. Water levels, in feet below measuring point, 1942: Aug. 7, 10.14; Dec. 16, 10.10.

(C-37-12)23acbl(*817,p.438; *840,p.588; *845,p.817; *886,p.822; *910, p.87; 940,p.61). State claim 13010. Federal Land Bank. Water levels, in feet below measuring point, 1942: Mar. 16, 52.30; Dec. 16, 51.25.

(C-37-12)34abbl(*817,p.438; *840,p.588; *845,p.618; *886,p.822; *910, p. 87; 940,p.61). State claims 1646 and 8184. Kanarra Field & Reservoir Co. Water level, in feet below measuring point, 1942: Dec. 16, 39.31.

(C-38-12)3bcbl(*845,p.618;*886,p.822; *910,p.87; 940,p.61). State claim 12845. Ford and Williams. Water levels, in feet below measuring point, 1942: Aug. 7, 68.17; Dec. 16, 67.77.

Iron County - Escalante Valley 6/

(C-31-12)9abbl(*886,p.823; 910,p.87; *940,p.61). R. R. McGinty and others. Water levels, in feet below measuring point, 1942: Apr. 17, 78.27; Dec. 11, 78.52.

(C-31-12)9cbcl(*886,p.823; 910,p.87;*940,p.61). Alta Bonner. Water levels, in feet below measuring point, 1942: Apr. 17, 61.88; Dec. 11, 61.97.

a Pumping.

6/For other wells in Escalante Valley see pages 38-50, 79, and 123.

Iron County - Escalante Valley--Continued

(C-31-12)17cadl(*910,p.87; *940,p.61). Alta Bonner. Water levels, in feet below measuring point, 1942: Apr. 17, a/48.5; May 28, a/48.; July 31, a/48.6; Dec. 11, a/48.24.

(C-31-12)19ccdl(*886,p.823; 910,p.87; *940,p.61). State claim 20091. Public land. Water levels, in feet below measuring point, 1942: Apr. 17, 49.51; May 28, 49.47; July 31, 49.54; Dec. 11, 49.68.

(C-31-13)1al(*845,p.582; 886,p.823; *910,p.87; *940,p.61). State claim 6486. Public land. Water levels, in feet below measuring point, 1942: Apr. 17, 27.58; July 31, 27.67; Dec. 10, 28.66.

(C-31-13)1a2(*817,p.424; 840,p.565; *845,p.583; 886,p.823; 910,p.87; 940,p.61). Public land. Water levels, in feet below measuring point, 1942: Apr. 17, 27.60; July 31, 27.68; Dec. 10, 27.78.

(C-31-13)4bcc2(*940,p.61). State claim 14007. J. O. Steele. Water levels, in feet below measuring point, 1942: Apr. 18, 27.82; July 30, 28.33; Dec. 10, 29.62.

(C-31-13)4cddl(*845,p.583; 886,p.823; 910,p.87; 940,p.61). Pearl Boeck. Water levels, in feet below measuring point, 1942: Apr. 17, 24.52; July 30, 25.04; Dec. 10, 24.64.

(C-31-13)6adcl(*910,p.87; 940,p.61). State claim 17348. Myrtle Colvin. Water levels, in feet below measuring point, 1942: Apr. 18, 51.41; July 30, 51.43.

(C-31-13)7ddal(*910,p.87; *940,p.62). Listed as (C-31-13)7dd in Water-Supply Paper 910. Chas. B. Mannell. Water level, in feet below measuring point, 1942: Apr. 18, 59.01.

(C-31-13)8dbcl(*845,p.583; 886,p.823; *910,p.87; *940,p.62). State claim 11588. Public land. Water levels, in feet below measuring point, 1942: Apr. 18, 36.43; May 28, b/37.83; July 30, 37.01; Dec. 10, 36.85.

(C-31-13)21abbl(*817,p.424; *886,p.823; 910,p.87; 940,p.62). Public land. No measurements made in 1942. Measurements discontinued.

(C-31-13)27bcdl(*910,p.88; *940,p.62). State claim 11567. Bell Couch. Water levels, in feet below measuring point, 1942: Apr. 17, 39.11; May 28, 39.05; July 31, 39.00; Dec. 11, 39.05.

(C-31-13)33cccl(*845,p.583; 886,p.823; 910,p.88; 940, p.62). Lemont Lowe. Water levels, in feet below measuring point, 1942: Apr. 22, 34.16; Dec. 11, 34.23.

(C-31-14)9bcdl(*910,p.88; *940,p.62). State claim 13999. Public land. Water levels, in feet below measuring point, 1942: Apr. 18, 43.20; May 28, 43.34; July 30, 43.55.

(C-31-14)28caal(*910,p. 88; 940,p.62). State claim 6008. J. A. Paramore Water levels, in feet below measuring point, 1942: Apr. 18, 138.40; May 28, c/138.59; July 30, a/139.60; Dec. 10, 138.60.

(C-32-12)6cbbl(*910,p.88; *940,p.62). G. A. Lowe, Jr. Water levels, in feet below measuring point, 1942: Apr. 17, 61.13; Dec. 11, a/62.66.

(C-32-12)34ddal(*886,p.823; 910,p.88; 940,p.62). State claim 6004. W. L. Adams. Water levels, in feet below measuring point, 1942: Apr. 20, 10.50; May 27, 11.16; July 31, 11.44; Dec. 11, 11.90.

a Windmill pumping during measurement.
b Pumping.
c Windmill stopped 10 minutes prior to measurement.

Iron County - Escalante Valley--Continued

(C-32-13)6baal(*940,p.62). Wm. Hinz. Water levels, in feet below measuring point, 1942: Apr. 22, 11.85; May 26, 11.67; July 31, 11.81; Dec. 11, 12.43.

(C-32-13)9bddl(*845,p.584; *886,p.823; *910,p.88; 940,p.62). State claim 5229. Alma Frahske. Water levels, in feet below measuring point, 1942: Apr. 22, 43.53; Dec. 11, 43.71.

(C-32-14)10dccl(*886,p.824; 910,p.88; 940,p.62). Geological Survey, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 22, 10.57; July 31, 10.58.

(C-32-14)12ccdl(*886,p.824; 910,p.88; *940,p.62). Fred C. Pagel. Water levels, in feet below measuring point, 1942: Apr. 22, 22.88; July 31, 22.95; Dec. 11, 23.44.

(C-32-14)28bbbl(*840,p.566; *845,p.584; *886,p.824; 910,p.88; 940,62). State claim 17227. Joseph Dyson. Water levels, in feet below measuring point, 1942: Apr. 20, 2.18; Aug. 1, 2.56; Dec. 11, 2.90.

(C-32-14)30babl(*910,p.88; 940,p.62). J. H. Johnston. Water levels, in feet below measuring point, 1942: May 28, 32.21; July 30, 32.81; Dec. 11; 32.83.

(C-32-14)32addl(*886,p.824; 910,p.88; 940,p.62). Geological Survey, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 20, 12.92; May 27, 12.83; Aug. 1, 13.99.

(C-32-14)32add2. J. H. Johnston. Stock well, diameter 48 inches, depth 20 feet. Measuring point, top of ¾-inch hole in top of 2-inch board cover, 0.2 feet above land surface. Water level, in feet below measuring point, 1942: Dec. 11, 13.76.

(C-32-16)26abbl(*940,p.62). Byant Hedrick. Water levels, in feet below measuring point, 1942: Apr. 20, 65.1; May 26, 60.16; Aug. 3, a/63.5; Dec. 13, 63.63.

(C-32-16)27baal(*940,p.62). State claim 17689. Donald Mackelprang. Water levels, in feet below measuring point, 1942: Apr. 20, 30.07; May 26, 29.91; Aug. 4, 30.64; Dec. 13, 29.28.

(C-32-16)28b(*940,p.62). Byant Hedrick. Water levels, in feet below measuring point, 1942: Apr. 20, 13.84; May 26, a/25.33; Aug. 4, a/24.88; Dec. 13, 14.99.

(C-33-12)17abdl(*940,p.63). State claim 13489. Iron County. Water levels, in feet below measuring point, 1942: Apr. 20, Apr. 20, a/110.1; May 26, a/109.2; July 31, a/109.80; Dec. 11, 109.48.

(C-33-12)18bdal(*940,p.63). State claim 13715. Public land. Water levels, in feet below measuring point, 1942: Apr. 20, a81.9; July 30, a/81.96.

(C-33-12)29adcl(*940,p.63). State claim 17643. R. B. Nelson. Water levels, in feet below measuring point, 1942: Apr. 20, 122.50; May 27, 121.10; July 31, 121.34; Dec. 11, 121.5.

(C-33-13)3d(*940,p.63). Rebecca Bulloch. Water levels, in feet below measuring point, 1942: Apr. 20, 66.25; May 27, 66.37; July 31, 66.29; Dec. 14, 66.24.

(C-33-14)8cccl(*886,p.824; 910,p.88; 940,p.63). Geological Survey, United States Department of Interior. Water levels, in feet below measurin point, 1942: Apr. 20, 9.29; Aug. 1, 953; Dec. 11, 9.54.

a Windmill stopped 10 minutes prior to measurement.

Iron County - Escalante Valley--Continued

(C-33-14)15dbdl(*886,p.824; 910,p.88; 940,p.63). Grazing Service, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 20, 32.32; May 27, 32.29; Aug. 1, 32.27; Dec. 11, 32.87.

(C-33-14)19adbl(*886,p.824; 910,p.89; 940,p.63). Geological Survey, United States Department of Interior. Water level, in feet below measuring point, 1942: Apr. 20, 6.20.

(C-33-14)36ddcl(*817,p.427; *840,p.567; 845,p.590; 886,p.824; 910,p.89; *940,p.63). Henry Jones. Water levels, in feet below measuring point, 1942: Apr. 20, 69.88; July 31, 69.91; Dec. 11, 69.95.

(C-33-15)3daal(*940,p.63). William Adams. Water levels, in feet below measuring point, 1942: Apr. 22, 74.60; Aug. 4, 74.05.

(C-33-15)12aaal(*886,p.824; 910,p.89; *940,p.63). State of Utah. Water levels, in feet below measuring point, 1942: Apr. 20, 19.45; Aug. 1, 19.50; Dec. 11, 19.30.

(C-33-15)13cbbl(*886,p.824; 910,p.89; 940,p.63). Iron County. Water levels, in feet below measuring point, 1942: Apr. 20, 15.08; May 27, 14.99; Aug. 1, 15.67; Dec. 11, 16.01.

(C-33-15)19bccl(*840,p.567; 845,p.590; 886,p.825; 910,p.89; 940,p.63). Robins and Maguire. Water levels, in feet below measuring point, 1942: Apr. 20, 78.11; Aug. 3, 78.79; Dec. 13, 78.79.

(C-33-15)25bbbl(*886,p.825; 910,p.89; 940,p.63). Public land. Water levels, in feet below measuring point, 1942: Apr. 20, 2.10; Aug. 1, 2.30; Dec. 11, 2.70.

(C-33-15)27cdal(*886,p.825; 910,p.89; 940,p.63). Public land. Water levels, in feet below measuring point, 1942: Apr. 20, 16.95; May 27, 17.76; Aug. 3, 17.82; Dec. 13, 18.73.

(C-33-15)31cbbl(*817,p.425; *840,p.568; 845,p.590; 886,p.825; 910,p.89; 940,p.63). Listed as (C-33-15)31cb in Water-Supply Paper 817. Jesse Carlson. Water levels, in feet below measuring point, 1942: Apr. 20, 27.80; Aug. 3, 27.73; Dec. 13, 27.90.

(C-33-15)33dcbl(*840,p.568; 845,p.590; *886,p.825; *910,p.89; 940,p.63). State claim 13492. Arlie Fourman. Water levels, in feet below measuring point, 1942: Apr. 20, 10.53; May 27, 10.48; Aug. 1, 10.52; Dec. 13, 10.75.

(C-33-15)34dddl(*886,p.825; 910,p.89; 940,p.63). Geological Survey, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 20, 9.26; Aug. 1, 9.70; Dec. 11, 9.54.

(C-33-15)36cccl(*886,p.825; 910,p.89; 940,p.63). Geological Survey, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 20, 7.46; Aug. 1, 8.34; Dec. 11, 8.56.

(C-33-16)10cccl. A. B. Boghessian. Stock well, diameter 3 inches, depth 115 feet. Measuring point, top of casing, 2.0 feet above land surface and 5228.77 feet above mean sea level. Water levels, in feet below measuring point, 1942: Apr. 22, 93.70; Aug. 4, 93.85.

(C-33-16)11cdcl(*817,p.568; *940,p.63). Will Wood. No measurement made in 1942.

(C-33-16)19dddl(*817,p.426; *840,p.568; 845,p.590; 886,p.825; *910,p. 89; 940,p.63). Clarence Lynd. Water levels, in feet below measuring point, 1942: Apr. 20, 66.86; Aug. 4, 66.89; Dec. 13, 66.96.

Iron County - Escalante Valley--Continued

(C-33-16)25bba1(*840,p.568; *886,p.825; 910,p.89; 940,p.64). Frank Emerine. Water levels, in feet below measuring point, 1942: Apr. 20, 54.66; Dec. 13, 54.87.

(C-33-16)29cdb1(*840,p.568; 845,p.590; 886,p.825; 910,p.89; 940,p.64). Donji Ikeda. Water level, in feet below measuring point, 1942: Apr. 22, 28.57.

(C-33-17)13dcc1(*840,p.569; *940,p.64). Lucio A. Burascono. No measurements in 1942.

(C-33-17)25add1(*840,p.569; 886,p.826; 910,p.89; 940,p.64). State claim 15293. Nunzio Furarino. Water levels, in feet below measuring point, 1942: Aug. 4, a/67.5; Dec. 13, 63.87.

(C-33-17)29dcb1(*817,p.426; 840,p.569; 845,p.591; 886,p.826; 910,p.89; 940,p.64). Listed as (C-33-17)29dc in Water-Supply Paper 817. Frank Webster. Water levels, in feet below measuring point, 1942: Apr. 22, 108.40; Dec. 13, 109.21.

(C-33-17)31baa1(*840,p.569; 940,p.64). Agatha Webster. Water levels, in feet below measuring point, 1942: Apr. 22, 108.58; Dec. 13, 109.62.

(C-34-14)31ccc1(*886,p.836;910,p.89; 940,p.64). Geological Survey, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 21, 14.00; May 25, 14.83; Aug. 1, 15.20; Dec. 12, 15.26.

(C-34-15)1ada1(*817,p.427; *840,p.571; 845,p.596; *886,p.826; *910,p.89; *940,p.64). Listed as (C-34-15)1aa in Water-Supply Paper 817. State claims 5230 and 10672. Bank of Southern Utah. Water levels, in feet above measuring point, 1942: Apr. 20, b/2.70; May 27, b/2.51; Aug. 1, b/2.00; Dec. 11, b/2.15.

(C-34-15)1ada2(*886,p.826; 910,p.90; *940,p.64). Bank of Southern Utah. Water levels, in feet below measuring point, 1942: May 27, 2.80; Aug. 1, 3.28; Dec. 11, 3.49.

(C-34-15)16ccc1(*886,p.826; 910,p.90; *940,p.64). P. S. McQuarrie. Water levels, in feet below measuring point, 1942: Apr. 20, 4.21; May 27, 4.13; Aug. 3, 5.09; Dec. 13, 5.40.

(C-34-15)16ccc2(*886,p.826; 910,p.90; 940,p.64). Geological Survey, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 20, 7.26; May 27, 7.10; Aug. 3, 8.03; Dec. 13, 8.58.

(C-34-15)17bbb1(*886,p.826; 910,p.90; 940,p.64). Public land. Water level, in feet below measuring point, 1942: Apr. 20, 9.95.

(C-34-15)27daa2(*886,p.827; 910,p.90; 940,p.64). Geological Survey, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 21, 10.12; May 27, 9.92; Aug. 1, 10.53; Dec. 12, 11.21.

(C-34-15)31bbb1(*886,p.827; 910,p.90; 940,p.64). Geological Survey. Water levels, in feet below measuring point, 1942: Apr. 20, 7.00; May 26, 7.49.

(C-34-16)7aab2(*840,p.57; *886,p.827; *910,p.90; 940,p.64). State claim 17296. J. M. Robinson. Water levels, in feet below measuring point, 1942: Apr. 22, 16.80; Aug. 4, 17.58; Dec. 13, 17.70.

(C-34-16)9bcc1(*845,p.596; 886,p.827; 910,p.90; 940,p.64). Fred Pinafrock. Water levels, in feet below measuring point, 1942: Apr. 22, 10.63 May 26, 10.74; Aug. 4, 11.46; Dec. 13, 11.98.

(C-34-16)9cbc1(*840,p.571; 845,p.596; 886,p.827; 910,p.90; 940,p.64). Augustus Lott. Water levels, in feet below measuring point, 1942: Apr. 22, 9.27; Aug. 4, 9.72; Dec. 13, 10.07.

a Pumping.
b Well flowing prior to measurements.

Iron County - Escalante Valley--Continued

(C-34-16)10bab2(*840,p.571; *886,p.827; 910,p.90; *940,p.64). C. M. Jillson. Water levels, in feet below measuring point, 1942: Apr. 22, 10.35 Aug. 4, 10.48.

(C-34-16)15ccc2(*886,p.827; 910,p.90; *940,p.64). Iron County. Water levels, in feet below measuring point, 1942: Apr. 22, 2.82; May 26, 2.77; Aug. 4, 3.00; Dec. 13, 2.91.

(C-34-16)17acdl(*940,p.64). State claim 13507. J. F. Grincil. No measurements made in 1942.

(C-34-16)17adcl(*940,p.65). State claim 16392. J. F. Grincil. Water Public land. Water levels, in feet below measuring point, 1942: Apr. 22, 1.18; Aug. 4, 1.84; Dec. 13, 1.87.

(C-34-16)17dcc2(*840,p.571; 845,p.597; 886,p.827; 910,p.90; 940,p.65). Water levels, in feet below measuring point, 1942: Apr. 22, 1.18; Aug. 4, 1.84; Dec. 13, 1.87.

(C-34-16)18aacl(*840,p.571; *886,p.827; 910,p.90; 940,p.65). C. E. Aye Water levels, in feet below measuring point, 1942: Apr. 22, 13.96; Dec. 13, 14.33.

(C-34-16)21dcc2(*840,p.572; 886,p.827; 910,p.90; 940,p.65). Public land. Water levels, in feet below measuring point, 1942: Apr. 22, 11.59; Aug. 4, 11.92; Dec. 14, 12.12.

(C-34-16)26ccc2(*886,p.827; 910,p.90; 940,p.65). Public land. Water levels, in feet below measuring point, 1942: Apr. 22, 11.58; May 26, 11.50; Aug. 3, 11.59; Dec. 14, 12.34.

(C-34-16)27bcc2(*840,p.572; *940,p.65). Public land. Water levels, in feet below measuring point, 1942: May 26, 1.44; Aug. 3, 1.27; Dec. 14, 2.0.

(C-34-16)28acc2(*840,p.572; *940,p.65). State claim 4827. George and Alma Owen. No measurements made in 1942.

(C-34-16)28acc3(*840,p.572; 845,p.597; 886,p.828; *940,p.65). State claim 4826. George and Alma Owen. Water levels, in feet below measuring point, 1942: Aug. 4, 9.63; Dec. 14, 9.97.

(C-34-16)28bcc2(*817,p. 428; *840,p.572; 845,p.597; 886,p.828; 910,p. 90; 940,p.65). Fred Fisher.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	2.17	Apr. 25	1.88	Aug. 4	2.38	Nov. 25	2.57
Feb. 25	2.12	May 26	1.83	25	2.50	Dec. 14	2.53
Mar. 25	2.00	July 1	2.09	Sept.25	2.64	26	2.50
Apr. 22	1.92	25	2.29	Oct. 25	2.66		

(C-34-16)28ccc2(*840,p.572; 886,p.828; 910,p.90; 940,p.65). State of Utah. Water levels, in feet below measuring point, 1942: Apr. 22, 3.86; May 26, 3.76; Aug. 3, 4.26; Dec. 14, 4.49.

(C-34-16)28dcc2(*840,p.572; *940,p.65). State claim 10426. A. B. Sudbury and others. Water levels, in feet below measuring point, 1942: Apr. 22, 2.82; May 26, 2.74; Aug. 4, 3.38; Dec. 14, 3.52.

(C-34-16)30adbl(*840,p.573; 886,p.828; 910,p.90; *940,p.65). D. F. Shelley. Water levels, in feet below measuring point, 1942: Apr. 22, 4.50; May 26, 4.18; Aug. 4, 4.32; Dec. 14, 3.89.

Iron County - Escalante Valley--Continued

(C-34-16)30ddc2(*840, p.573; 886,p.828; 910,p.90; 940,p.65). State claim 11721. Iron County. Water levels, in feet below measuring point, 1942: Apr. 22, 1.73; Aug. 4, 2.25; Dec. 14, 2.40.

(C-34-16)31bcc3(*840,p.573; 845,p.597; 886,p.828; 910,p.91; 940,p.65). S. B. Endicott. Water levels, in feet below measuring point, 1942: Apr. 22, 2.50; Aug. 4, 3.44; Dec. 14, 3.82.

(C-34-16)33cdc2(*886,p.828; 910,p.91; 940,p.65). State of Utah. Water levels, in feet below measuring point, 1942: Apr. 22, 16.59; Aug. 4, 16.85; Dec. 14, 17.41.

(C-34-16)33cdd1(*840,p.573; 886,p.828; 910,p.91; 940,p.65). State of Utah. Water levels, in feet below measuring point, 1942: Apr. 22, 13.17; May 26, 13.07; Aug. 4, 13.96; Dec. 14, 14.12.

(C-34-16)34bcc2(*840,p.573; *940,p.66). K. L. McCarry. Water levels, in feet below measuring point, 1942: Apr. 22, 10.27; May 26, 10.20; Aug. 3, 11.24; Dec. 14, 11.10.

(C-34-17)1dab1(*840,p.573; 845,p.597; 886,p.828; 910,p.91; 940,p.66). Freda Spooner. Water levels, in feet below measuring point, 1942: Apr. 22, 21.65; May 26, 21.59; Aug. 4, 22.33; Dec. 13, 22.22.

(C-34-17)5ccc2(*840,p.573; 940,p.66). Harry Thorley. Water levels, in feet below measuring point, 1942: Apr. 22, 56.78; Aug. 4, 56.94; Dec. 13, 56.82.

(C-34-17)9ddd1(*840,p.574; 845,p.598; 886,p.828; 910,p.91; 940,p.66). William Haigh. Water levels, in feet below measuring point, 1942: Apr. 22, 31.70; Aug. 4, 31.70; Dec. 13, 31.71.

(C-34-17)10bbc1(* 886, p.828; 910,p.91; *940,p.66). W. B. Prout. Water levels, in feet below measuring point, 1942: Apr. 22, 33.34; Aug. 4, 33.73; Dec. 13, 33.99.

(C-34-17)10dad1(*840,p.574; *940,p.66). C. F. and E. A. Woehr. Water levels, in feet below measuring point, 1942: Apr. 22, 23.40; May 25, 23.3; Aug. 4, 23.36.

(C-34-17)18add1(*840,p.574; *886,p.828; 910,p.91; 940,p.66). M. C. Martinsen and others. Water levels, in feet below measuring point, 1942: Apr. 22, 55.50; Aug. 4, 55.5.

(C-34-17)24bcc2(*840,p.574; 886,p.828; 910,p.91; 940,p.66). William Maston. Water levels, in feet below measuring point, 1942: Apr. 22, 15.20; Aug. 4, 15.83; Dec. 13, 15.45.

(C-34-17)24cbb1(*840,p.574; 845,p.598; 886,p.829; *910,p.91; 940,p.66). State claim 6835. Marvin Hughes. Water levels, in feet below measuring point, 1942: Apr. 22, 15.29; Aug. 4, 15.63; Dec. 13, 15.77.

(C-34-17)27aba1(*840,p.574; *886,p.829; 910,p.91; 940,p.66). Lena Murphy. No measurements made in 1942.

(C-34-17)28abb1(*840,p.574; *886,p.829; 910,p.91; 940,p.66). Public land. No measurements made in 1942.

(C-34-18)16add1(*840,p.574; *940,p.66). H. A. Thorley. Water level, in feet below mesuring point, 1942: Aug. 3, a/164.5.

(C-34-18)23bbc1(*940,p.66). H. A. Thorley. Water levels,in feet below measuring point, 1942: Apr. 22, 116.20; Dec. 13, 116.13.

(C-34-18)24dba1(*940,p.66). H. A. Thorley. No measurements made in 1942.

a Windmill stopped 10 minuted prior to measurement.

Iron County - Escalante Valley--Continued

(C-34-19)36dbcl (*940, p. 66). Union Pacific Railroad. No measurements made in 1942. Measurements discontinued.

(C-35-12)18ddd2 (*817, p. 433; 840, p. 579; *845, p. 607; *886, p. 829; *910, p. 91; 940, p. 66). Listed as (C-35-12)18ddl in Water-Supply Paper 817. State claim 11258. Columbia Steel Co. Water levels, in feet below measuring point, 1942: Apr. 20, 2.12; May 25, 2.13; Aug. 1, 3.27; Dec. 12, 3.50.

(C-35-13)4aaal (*940, p. 66). Listed as (C-35-13)4a in Water-Supply Paper 940. Iron County. Water levels, in feet below measuring point, 1942: Apr. 20, 185.20; May 25, 190.6; Aug. 1, 192.24; Dec. 12, 185.26.

(C-25-15)3accl (*817, p. 434; *840, p. 579; 845, p. 608; 886, p. 829; *910, p. 91; 940, p. 66). State claim 3791. C. G. Clarke. Water levels, in feet below measuring point, 1942: Apr. 21, 14.33; May 25, 13.35; Aug. 1, 14.04; Dec. 12, 14.79.

(C-35-15)3dccl (*817, p. 434; *840, p. 579; 845, p. 608; 886, p. 829; *910, p. 91; 940, p. 66). State claim 3790. C. G. Clarke. Water levels, in feet below measuring point, 1942: Apr. 21, 12.48; May 25, 12.42; Aug. 1, 13.87; Dec. 12, 14.83.

(C-35-15)3dcc2 (*840, p. 579; 845, p. 608; 886, p. 829; *910, p. 91; *940, p. 67). State claim 3788. C. G. Clarke. Water levels, in feet below measuring point, 1942: Apr. 21, 11.90; May 25, 11.88; Aug. 1, 13.38; Dec. 12, 14.28.

(C-35-15)4dcc2 (*840, p. 579; *886, p. 829; 910, p. 91; 940, p. 67). Iron County. Water levels, in feet below measuring point, 1942: Apr. 21, 8.85; May 25, 8.42; Aug. 1, 9.05; Dec. 12, 9.32.

(C-35-15)6cddl (*817, p. 434; *840, p. 579; 845, p. 608; 886, p. 829; 910, p. 91; 940, p. 67). Listed as (C-35-15)6cd in Water-Supply Paper 817. Frank Bridel. Water levels, in feet below measuring point, 1942: Apr. 20, 14.24; May 25, 14.02; Aug. 1, 15.46; Dec. 12, 15.52.

(C-35-15)10bacl (*840, p. 580; 845, p. 609; 886, p. 829; *940, p. 67). Stste clsim 12133. Walter Martini. Water levels, in feet below measuring point, 1942: Apr. 21, 7.15; May 25, 7.37; Aug. 1, 9.16; Dec.12, 10.17.

(C-35-15)10bdc2 (*817, p. 434; 840, p. 580; 845, p. 609; 886, p. 829; *910, p. 91; 940, p. 67). Listed as (C-35-15)10bd in Water-Supply Paper 817. State application 12134. Walter Martini. Water levels, in feet below measuring point, 1942: Apr. 21, 13.48; Aug. 1, a/22.03; Dec. 12, 15.74.

(C-35-15)11bbbl(*840, p. 580; *886, p. 830; 910, p. 91; 940, p. 67). Marvel Del Vecchio. Water levels, in feet below measuring point, 1942: Apr. 21, 12.84; May 25, 13.03; Aug. 1, 16.43; Dec. 12, 17.58.

(C-35-15)20bcdl (*840, p. 580; *886, p. 830; 910, p. 91; 940, p. 67). Public land. Water levels, in feet below measuring point, 1942: Apr. 21, 23.05; Aug. 1, 23.49; Dec. 12, 23.45.

(C-35-15)23cccl (*940, p. 67). State claim 11602. K. S. Gardner. Water levels, in feet below measuring point, 1942: Apr. 21, 30.91; May 25, 30.66; Aug. 1, 31.53; Dec. 12, 31.41.

(C-35-15)30acc2 (*817, p. 434; 840, p. 580; 845, p. 609; 886, p. 830; 910, p. 92; 940, p. 67). Hugh Ash. Water levels, in feet below measuring point, 1942: Apr. 21, 29.41; May 25, 29.31; Aug. 1, 29.48; Dec. 12, 29.44.

(C-35-16)3bcdl (*340, p. 580; 845, p. 609; 886, p. 830; *910, p. 92; *940, p. 67). State claim 3792. C. G. Clarke. Water levels, in feet below measuring point, 1942: Apr. 22, 16.00; Aug. 3, 16.77; Dec. 14, 16.71.

a Pump turned off 30 minuted prior to measurement.

Iron County - Escalante Valley--Continued

(C-35-16)addl(*940,p.67). Lawrence Hurt. Water levels, in feet below measuring point, 1942: Apr. 22, 1.83; Dec. 14, 2.19.

(C-35-16)6bbcl(*840,p.580; 845,p.609; 886,p.830; 910,p.92; 940,p.67). Fortunatus Thompson. Water level, in feet below measuring point, 1942: Dec. 14, 18.62.

(C-35-16)7bbl(*840,p.581; 845,p.610; 886,p.830; *910,p.92; 940,p.67). State claim 13661. H. L. Austin. Water levels, in feet below measuring point, 1942: Apr. 22, 18.88; May 26, 19.68; Aug. 4, 21.03; Dec. 14, 19.91.

(C-35-16)7ccb2(*840,p.581; 845,p.610; 886,p.830; 910,p.92; *940,p.67). State claim 11563. Arnold Barlocker. Water levels, in feet below measuring point, 1942: Apr. 22, 21.10; May 26, 20.86; Aug. 4, 22.33.

(C-35-16)9cdcl(*817,p.434; *840,p.581; *845,p.610; 886,p.830; 910,p.92; 940,p.67). W. and U. Hasegawa. No measurements made in 1942.

(C-35-16)10bdal(*840,p.582; 886,p.830; *910,p.92; *940,p.67). State claim 13760. C. G. Clarke. Water levels, in feet below measuring point, 1942: Apr. 22, 2.31; May 26, 2.22; Dec. 14, 3.10.

(C-35-16)15abcl(*840,p.582; 845,p.610; 886,p.830; 910,p.92; 940,p.67). J. E. Harris. Water levels, in feet below measuring point, 1942: Apr. 22, 18.30; Aug. 3, 18.68; Dec. 14, 18.57.

(C-35-16)15bbal(*840,p.582; *940,p.67). F. Motowaki. Water levels, in feet below measuring point, 1942: Aug. 3, 3.80; Dec. 14, 2.72.

(C-35-16)17accl(*940,p.67). A. C. Christensen. Water levels, in feet below measuring point, 1942: Aug. 4, a/9.24; Dec. 14, 1.70.

(C-35-16)17addl(*940,p.68). Caine Christensen. Water levels, in feet below measuring point, 1942: Apr. 22, 2.07; Aug. 4, 3.92; Dec. 14, 2.72.

(C-35-16)17badl(*840,p.582; 845,p.610; 886,p.830; *910,p.92; 940,p.68). State claim 2230. Alice Kase. Water levels, in feet below measuring point, 1942: Apr. 22, 3.65; Aug. 4, 4.80; Dec. 14, 4.47.

(C-35-16)17bbal(*940,p.68). Public land. Water levels, in feet below measuring point, 1942: Aug. 4, 14.83; Dec. 14, 14.88.

(C-35-16)17cda2*840,p.583;*845,p.611; 886,p.830; *910,p.92; 940,p.68). State claim 16463. Ira Caldwell. Water levels, in feet below measuring point, 1942: Apr. 22, 2.46; Dec. 14, 3.20.

(C-35-16)17ddcl(*940,p.68). James Dell. No measurements made in 1942.

(C-35-16)17dddl(*840,p.583; *940,p.68). State claim 17282. James Dell. Water levels, in feet below measuring point, 1942: Apr. 22, 3.25; Aug. 4, 3.79; Dec. 14, 2.80.

(C-35-16)18cdc4(*840,p.583; 886,p.830; *910,p.92; *940,p.68). J. C. Bosshardt. Water levels, in feet below measuring point, 1942: Apr. 22, 20.52; May 26, b/28.76; Aug. 4, 23.28; Dec. 14,20.15.

(C-35-16)20cdd2(*840,p.583; *940,p.68). Listed as (C-35-16)20cdd in Water Supply Paper 840. Eva Hard. Water levels, in feet below measuring point, 1942: Aug. 3, 20.62; Dec. 14, 20.77.

(C-35-16)22addl(*840,p.583;845,p.611; 886,p.831; *910,p.92; 940,p.68). State claim 10337. C. and S. Inatomi. Water levels, in feet below measuring point, 1942: Apr. 22, 0.90; Dec. 14, 2.08.

a Pumping.
b Adjacent well pumping.

Iron County - Escalante Valley--Continued

(C-35-16)22bbal(*840,p.583; *886,p.831; 910, p. 92; *940,p. 68). Public land. Water levels, in feet below measuring point, 1942: Apr. 22, 21.49; May 26, 21.46; Aug. 3, 22.00; Dec. 14, 22.05.

(C-35-16)22ccdl(*840,p.583; *886,p.831; 910,p.92; 940,p.68). Lyman and Heber Sevy. No measurements made in 1942. Measurements discontinued.

(C-35-17)1bccl(*840,p.584; *886,p.831; 910,p.92; *940,p.68). Robert Pershall. Water levels, in feet below measuring point, 1942: Aug. 4, 8.00; Dec. 14, 8.19.

(C-35-17)1bddl(*940,p.68). Robert Pershall. Water levels, in feet below measuring point, 1942: Apr. 22, 22.43; Aug. 4, 22.68; Dec. 14, 22.92.

(C-35-17)3bbbl(*817,p.434; *840,p.584; 845,p.611; 886,p.831; *910, p.92; *940,p.68). Listed as (C-35-17)3bb in Water-Supply Paper 817. State claim 8432. L. E. and H. M. Sevy. Water levels, in feet below measuring point, 1942: May 25, 46.36; Aug. 4, 46.40; Dec. 14, 46.45.

(C-35-17)8cbbl(*840,p.584; 845,p.611; *940,p.68). Listed as (C-37-17) 8cbb in Water Supply Paper 840. W. W. Adams. Water levels,in feet below measuring point, 1942: Apr. 22, 87.10; Aug. 4, 89.82; Dec. 14, 89.97.

(C-35-17)13accl(*940,p.68). Parley Moyle. Water levels, in feet below measuring point, 1942: Apr. 22, 23.82; May 26, 24.03; Aug. 4, 26.43; Dec. 12, 25.95.

(C-35-17)13bdcl(*840,p.584; 845,p.611; 886,831; *910,p.92; 940,p.68). State claim 14228. A. D. Moyle. Water levels, in feet below measuring point, 1942: Apr. 22, 25.76; May 26, 26.33; Aug. 4, 29.71; Dec. 12, 26.63.

(C-35-17)13cbcl(*840,p.585; *886,p.831; 910,p.92; *940,p.68). Henry Moyle. Water levels, in feet below measuring point, 1942: Apr. 22, 26.47; May 26, 27.93; Aug. 4, 31.28; Dec. 12, 27.34.

(C-35-17)21addl(*840,p.585; *886,p.831; 910,p.92; *940,p.68). E. A. Pickering. Water levels, in feet below measuring point, 1942: Apr. 22, 28.66; May 25, 28.54; Dec. 13, 26.64.

(C-35-17)25cddl(*817,p.434; *840,p.585; 845,p.612; 886,p.831; 910,p.93; 940,p.69). Listed as (C-35-17)25cd in Water Supply Paper 817. Henry Brenn. Water levels, in feet below measuring point, 1942: Apr. 22, 35.71; Aug. 3, 35.87; Dec. 12, 35.94.

(C-36-15)8bbal(*940,p.69). R. F. Jones. Water levels, in feet below measuring point, 1942: Apr. 21, 86.97; Dec. 12, 86.49.

(C-36-15)8dbdl(*886,p.831; 910,p.93; *940,p.69). Federal Land Bank. Water levels, in feet below measuring point, 1942: Apr. 21, 116. Measurements discontinued.

(C-36-15)20bacl(*940,p.69). A. C. Christensen. Water levels, in feet below measuring point, 1942: Apr. 21, 120.00; May 25, 119.57; Aug. 1, 119.59; Dec. 12, 118.24.

(C-36-16)4b3(*940,p.69). L. E. and H. M. Sevy. No measurements made in 1942.

(C-36-16)4cdcl(*940,p.69). L. E. and H. M. Sevy. Water levels, in feet below measuring point, 1942: May 25, 53.2; Aug. 3, 55.48; Dec. 12, 52.82.

(C-36-16)5a2(*940,p.69). Public land. Water levels, in feet below measuring point, 1942: May 25, 47.48; Aug. 3, 47.79; Dec. 12, 47.46.

Iron County - Escalante Valley--Continued

(C-36-16)5a4(*840,p.588; *845, p.616;*886,p.831; 910,p.93; *940,p.69). Listed as (C-36-16)5a1 in Water-Supply Papers 910, 886, 845, and 840. State claim 8431. Bryant Beacham. Water levels, in feet below measuring point, 1942: Apr. 22, 44.79; Aug. 3, 44.9; Dec. 12, 44.90.

(C-36-16)8ddd1(*940,p.69). J. A. Eldredge. Water levels, in feet below measuring point, 1942: Aug. 3, 55.66; Dec. 12, 55.72.

(C-36-16)16dda1 (*840,p.588; 845,p.616; 886,p.832; 910,p.93; 940,p.69). C. J. Erickson. Water levels, in feet below measuring point, 1942: Apr.21, 58.07; May 25, 58.56; Aug. 3, 58.22; Dec. 12, 58.80.

(C-36-16)16dda2(*940,p.69). C. J. Erickson. Water levels, in feet below measuring point, 1942: Apr. 21, 56.96; Aug. 3, 57.32; Dec. 12, 57.11.

(C-36-16)19caa1(*940,p.69). J. A. Eldredge. Water levels, in feet below measuring point, 1942: Apr. 21, 78.87; May 25, 77.87; Aug. 4, 78.40; Dec. 12, 78.65.

(C-36-16)22baa1(*940,p.69). T. W. Jones. Water levels, in feet below measuring point, 1942: Aug. 3, 63.87; Dec. 12, 63.94.

(C-36-16)31bdd1(*940,p.69). W. H. Leigh. Water levels, in feet below measuring point, 1942: Aug. 3, 103.76; Dec. 12, 101.29.

(C-36-16)32ddd1(*940,p.69). Public land. Water levels, in feet below measuring point, 1942: Aug. 3, 127.79; Dec. 12, 127.74.

(C-36-17)1ccc1(*817,p.437; *886,p.832; 910,p.93; *940,p.70). Water level, in feet below measuring point, 1942: May 25, a/69.58.

(C-36-17)11dcc1(*940,p.70). Public land. Water levels, in feet below measuring point, 1942: Apr. 22, 114.60;May 25, 120.59; Aug. 4, 124.28; Dec. 12, 129.06.

Iron County - Parowan Valley

(C-32-8)1ada1(*886,p.832; 910,p.93; 940,p.70). Iron County. Water levels, in feet below measuring point, 1942: Mar. 13, 50.13; Aug. 5, 50.06; Dec. 15, 49.98.

(C-32-8)35bcb1(*817,p.424; *840,p.565; 845,p.584; *886,p.832; *910, p.94; 940,p.70). State claim 5683. H. N. Edwards. Water levels, in feet above measuring point, 1942: Mar. 13, 8.9; Aug. 5, b/6.3; Dec. 15, 8.6.

(C-33-8)15bba1. State claim 18229. R. W. Talbot. Stock well, diameter 2 inches, depth 200 feet. Measuring point, top of 2-inch ell, 0.4 foot below land surface and 5762.99 feet above mean sea level. Well flowing prior to measurements. Water levels, in feet above measuring point: Dec. 1, 1941, 2.4; Aug. 5, 1942, 2.2.

(C-33-8)15bbd1(*910,p.95; 940,p.79). State claim 18610. Walter Talbot. Water level erroneously reported in Water-Supply Paper 940 as 2.4 feet above measuring point on Dec. 1, 1941; no measurements made in 1941. No measurements made in 1942. Measurements discontinued.

(C-33-8)28bbb1(*910,p.96; 940,p.70). State claim 15133. State of Utah. Water levels, in feet below measuring point, 1942: Mar. 13, 11.58; Aug. 5, 11.39; Dec. 15, 11.30.

(C-33-9)1dad2(*845,p.586; *836,p.834; *910,p.98; 940,p.70). State claim 4743. Henry Mitchell Estate. Water levels, in feet above measuring point, 1942: Mar. 13, c/9.4; Aug. 5, 10.9; Dec. 15, 13.4.

a Windmill turned off 10 minutes prior to measurement.
b Found flowing prior to measurement.
c Well flowing prior to measurement.

Iron County - Parowan Valley--Continued

(C-33-9)14cccl(*845,p.586; *886,p.835; *910,p.99; 940, p.70). State claim 6489. W. M. Eyre Estate. Water level, in feet above measuring point, 1942: Dec. 15, 17.55.

(C-33-9)24abal(*845,p.586; *886,p.835; *910,p.99; 940,p.70). State claim 10202. A. J. Decker.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.5	20.6	....	23.0	....	21.6	....	20.4	16.6	....	....	....
2	19.2	20.6	....	23.2	....	21.4	....	18.9	16.5	....	....	....
3	....	20.7	....	23.4	....	21.9	....	17.1	16.5	17.0	....	....
4	....	21.4	....	23.2	....	21.3	....	17.2	16.5	....	....	....
5	....	21.4	....	23.3	....	21.0	....	17.0	....	....	....	....
6	....	20.8	....	25.0	....	20.5	....	17.5	....	....	....	....
7	....	20.9	22.6	23.2	....	20.5	....	17.2	....	....	....	....
8	19.8	20.7	22.5	23.1	....	20.0	....	17.0	....	....	....	....
9	20.2	20.8	22.5	23.4	....	20.0	....	17.1	....	....	....	....
10	....	21.4	22.4	23.5	....	19.9	....	16.4	....	....	....	....
11	....	21.4	22.5	23.1	....	19.6	....	16.3	....	....	....	....
12	....	20.9	22.5	23.5	....	19.4	....	16.7	....	....	....	....
13	....	20.8	22.6	24.1	....	19.4	....	17.2	16.4	17.5	....	....
14	....	....	22.4	23.6	....	19.6	....	17.4	16.4	....	....	....
15	....	....	22.3	23.5	....	20.2	....	17.6	16.4	....	....	....
16	20.3	....	22.3	23.6	....	19.6	....	17.1	16.5	....	....	....
17	20.2	....	22.3	23.3	22.9	19.5	....	16.8	16.5	....	....	....
18	20.5	....	22.5	23.1	24.5	19.5	....	16.7	16.4	....	....	....
19	20.1	....	22.5	23.9	22.9	19.4	....	16.9	....	....	....	....
20	20.8	....	22.4	24.4	22.8	19.1	....	16.9	....	....	....	....
21	20.3	21.4	22.6	23.9	23.1	18.9	....	17.2	....	....	....	....
22	20.6	21.5	22.6	....	23.0	19.4	....	17.9	....	....	....	....
23	20.5	21.2	22.7	....	22.5	19.0	....	17.7	....	....	....	....
24	....	21.6	22.8	....	23.4	18.8	....	17.0	....	....	....	....
25	....	21.6	....	....	25.6	18.8	17.0	16.6	....	....	....	....
26	....	21.4	....	....	....	....	17.1	16.7	....	....	....	....
27	....	21.5	....	....	....	....	17.0	17.0	17.0	....	....	....
28	....	....	23.0	....	....	....	17.4	16.7	....	....	....	....
29	20.6	....	22.9	....	....	....	17.2	16.7	....	....	....	....
30	20.5	....	23.7	....	....	....	....	16.8	....	....	....	....
31	20.6	....	23.0	....	....	....	....	16.8	....	....	....	....

(C-33-9)28abdl(*845,p.587; *886,p.836; *910,p.101; 940,p.71). State claim 17259. John Dolorinske. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 5, 0.10; Dec. 15, 5.6.

(C-33-9)32ccd2(*845,p.587; *886,p.836; 910,p.101; 940,p.71). State claim 17335. Alfred Wilcox. Water levels, in feet, with reference to measuring point, 1942: Mar. 14, a/+9.7; Aug. 5, -11.73; Dec. 15, +8.7.

(C-33-9)34cbd2(*817,p.425; *840,p.566; *845,p.588; *886,p.836; *910, p.103; 940,p.71). State claim 5694. Mary Marsden. Water levels, in feet below measuring point, 1942: Mar. 14, 19.90; Aug. 5, b/53.87; Dec. 15, 22.33.

(C-33-9)34dcdl(*817,p.425; *840,p.566; *845,p.588; 886,p.837; *910, p.103; 940,p.71). Listed as (C-33-9)34dc in Water-Supply Paper 817. State claim 6750 and State application 1426. Federal Land Bank. Water levels, in feet below measuring point, 1942: Mar. 13, 7.88; Aug. 5, b/43.40.

(C-33-9)34dddl(*910,p.103; 940,p.71). State claim 13496. J. B. Dalton. Water levels, in feet below measuring point, 1942: Mar. 13, 19.50; Aug. 5, a/36.73; Dec. 15, 17.84.

a Well flowing prior to measurement.
b Pumping.

Iron County - Parowan Valley--Continued

(C-33-9)35dddl(*840,p.567; 845,p.589; *886,p.837; *910,p.104; 940,p.71). State claim 13812. State of Utah. Water levels, in feet below measuring point, 1942: Mar. 13, 32.36; Aug. 5, a/46.;Dec. 15, 28.57.

(C-33-9)36dcdl(*777,p.243; *817,p.425; *840.p.567; 845.p.589; *886,p. 838; 910,p.104; 940,p.71). Listed as (C-33-9)6dc in Water-Supply Paper 777. State claim 494. H. L. Adams. Water levels, in feet below measuring point, 1942: Mar. 13, 33.48; Aug. 5, a/61.8; Dec. 15, 31.88.

(C-34-8)5bcal(*817,p.426; 840,p.569; 845,p.591; 886,p.838; *910,p.104; 940,p.71). Drought Relief Administration. Water levels, in feet below measuring point, 1942: Aug. 5, 16.76; Nov. 12, 17.24; Dec. 15, 17.31.

(C-34-9)3cba2(*840, p.569; *845,p.591; 886,p.838; *910,p.105; 940,p. 71). State claim 7882. Federal Land Bank. Water level , in feet below measuring point, 1942: Mar. 14, 1.74.

(C-34-9)3cba3. Federal Land Bank. Irrigation well, diameter 4 inches, depth feet. Measuring point, top of casing, 1.0 foot above land surface and 5,768.22 feet above mean sea level. Water levels, in feet below measuring point, 1942: June 7, a/48.50; Aug. 5, a/51.36; Dec. 15, 1.23.

(C-34-9)5dadl(*910,p.106; 940,p.71). State claim 5089. J. C. Robinson. No measurements made in 1942.

(C-34-9)6bcdl(*845,p.593; *886,p.840; *910, p.106; 940,p.71). State claim 13506. G. D. Hyatt. Water levels, in feet below measuring point, 1942: Mar. 14, 2.85; Aug. 5, 3.77; Dec. 15, 3.33.

(C-34-9)8bddl(*910,p.107; 940,p.71). State claim 4868. P. H. Gurr. Water levels, in feet below measuring point, 1942: Mar. 14, 25.70; Aug. 5, 26.90; Dec. 15, 24.93.

(C-34-9)10bddl(*840,p.570; 845,p.593; *886,p.841; *910,p.108; *940, p.71). State claim 8801. Federal Land Bank.

Water level, at noon, in feet below measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	50.02	Jan. 19	49.41	Feb. 3	48.56	Mar. 2	47.68
2	49.98	20	49.48	4	48.57	3	47.58
3	49.90	21	49.26	5	48.49	4	47.64
4	49.95	22	49.16	6	48.42	5	47.55
7	49.73	23	49.15	7	48.43	6	47.37
8	49.74	24	49.10	20	47.77	7	47.48
9	49.69	25	49.03	21	47.71	8	47.42
10	49.61	26	48.95	22	47.60	9	47.33
11	49.54	27	48.84	23	47.73	10	47.28
12	49.58	28	48.82	24	47.60	11	47.15
13	49.55	29	48.86	25	47.57	12	47.14
15	49.50	30	48.86	26	47.60	13	47.10
16	49.41	31	48.79	27	47.70	14	47.10
17	49.42	Feb. 1	48.74	28	47.73	Dec. 15	b45.52
18	49.42	2	48.62	Mar. 1	47.79		

(C-34-9)16cddl(*845,p.594; *886,p.841; *910,p.108; 940,p.72). State claim 5818. Federal Land Bank. Water levels, in feet below measuring point, 1942: Mar. 14, 22.78; Aug. 5, 17.67; Dec. 15, 19.62.

(C-34-10)11dcdl(*845,p.594; 886,p.841; *910,p.109; *940,p.72). State claim 18C10. Rulon Lyman. No measurements in 1942.

(C-34-10)24abcl(*886,p.841; 910,p.109; 940,p.72). State application 12115. R. J. Green. Water levels, in feet below measuring point, 1942: Aug. 5, 53.81; Dec. 15, 53.24.

a Pumping.
b Tape measurement.

Juab County - Juab Valley

(C-12-1)36dca1(*817,p.405; *840,p.549; 845,p.618; 886,p.843; *910,p.109; 940,p.72). State claim 2227. Orson Cazier. Water levels, in feet below measuring point, 1942: Mar. 26, 13.64; July 20, 13.72; Dec. 26, 14.82.

(C-15-1)4ddd1(*845,p.619; 886,p.843; 910,p.110; *940,p.72). Listed as (C-15-1)4dd, "east well of 2 wells" in Water-Supply Paper 940. C. H.Johnson. Water levels, in feet above measuring point, 1942: Mar. 26, a/1.60; July 20, a/2.04; Dec. 19, a/2.20.

(C-15-1)4ddd2(*845,p.619; 886,p.842; 910,p.110; *940,p.72). Listed as (C-15-1)4dd, "west well of 2 wells" in Water-Supply Paper 940. C. H. Johnson Well flowing prior to measurements. Water levels, in feet below measuring point, 1942: Mar. 26, 0.12; July 20, 0.16; Dec. 19, 0.14.

(C-15-1)11babl(*845,p.619; 886,p.842; *910,p.110; 940,p.72). State claim 3120. Mrs. Nicholine Powell. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 26, 0.98; July 20, 3.15; Dec. 19, 4.00.

(C-15-1)12abal(*817,p.406; *840,p.549; 845,p.619; 886,p.842; *910,p.110; 940,p.72). Listed as (C-15-1)12adal in Water-Supply Paper 940. State claim 10223. R. C. Mangleson. Water levels, in feet below measuring point, 1942: Mar. 26, 56.67; July 20, 54.99; Dec. 19, 57.23.

(D-11-1)9bbb4(*817,p.463; *840,p.606; *845,p.619; 886,p.842; *910,p.110; 940,p.72). Listed as (C-11-1)9bbb4 in Water-Supply Paper 886. State claim 3099. J. L. and H. J. Fowkes. Water levels, in feet above measuring point, 1942: Mar. 26, 13.0; July 20, a/13.8; Dec. 26, a/13.9.

(D-11-1)31abc(*817,p.464; 840,p.606; 845,p.619; 886,p.842; 940,p.72). Listed as (D-11-1)31ab in Water-Supply Paper 817. Loren Keyte. Water levels, in feet below measuring point, 1942: Mar. 26, 2.43; July 20, 1.1; Dec. 26, 1.3.

(D-12-1)19cdc1(*817,p.464; *840,p.606; 845,p.619; 886,p.842; *910,p.110; 940,p.72). State claim 4397. P. P. Christenson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: July 20, 23.6; Dec. 26, 21.1.

(D-13-1)6cbc1(*817,p.464; *840,p. 606; 845,p.619; 886,p.842; *910,p.110; 940,p.72). Listed as (D-13-1)6cb in Water-Supply Paper 817. State claim 8188. Nephi Irrigation Co.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 26	16.54	July 7	15.25	Nov. 10	17.91
June 2	13.75	20	15.58	Dec. 21	18.04

(D-14-1)6baal(*817,p.464; 840,p.607; 845,p.619; 886,p.842; 910,p.110; *940,p.72). Listed as (D-14-1)6ba in Water-Supply Paper 817. State claim 2730. C. H. Garrett. Water levels, in feet below measuring point, 1942: Mar. 26, 195.73; July 20, 194.61; Dec. 21, 193.04.

Juab County - Snake Valley 7/

(C-11-15)30c(*886,p.843; *910,p.109; 940,p.73). Grazing Service, United States Department of Interior. Water levels, in feet below measuring point, 1942: Aug. 7, 30.25; Sept. 30, 30.95.

(C-11-16)6cc(*845,p.618; 886,p.843; 910,p.109; 940,p.73). J. H. Guilmette. Water levels, in feet below measuring point, 1942: Aug. 7, 21.24; Oct. 1, 24.06.

(C-11-17)1bdc1(*845,p.618; 886,p.843; *910,p.109; 940,p.73). State claim 8190. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Aug. 7, 2.70; Oct. 1, 3.86.

(C-13-18)13d(*845,p.618; 886,p.843; 910,p.109; 940,p.73). David Howells. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 7, 6.6; Oct. 1, 6.0.

a Well flowing prior to measurements.

7/ For other wells in this valley see page 85.

Juab County - Snake Valley--Continued

(C-13-18)14dccl(*845,p.618; 886,p.843; 910,p.110; *940,p.73). Will Parker. Water levels, in feet below measuring point, 1942: Aug. 7, 9.37; Oct. 1, 12.12.

(C-13-18)23aab2(*886,p.843; 910,p.110; 940,p.73). Charles Nielson. Water levels, in feet below measuring point, 1942: Aug. 7, 4.44; Oct. 1, 4.81.

(C-14-18)3(*845,p.619; *886,p.843; *910,p.110; 940,p.73). Listed as (C-14-8)3 in Water-Supply Paper 845. State application 12809. Public land. Northernmost of 3 wells. Water levels, in feet above measuring point, 1942: Aug. 7, 4.5; Oct. 1, 5.2.

(C-14-18)3(*845,p.619; 886,p.843; 910,p.110; *940,p.73). Listed as (C-14-18)3 in Water-Supply Paper 845. State application 12809. Public land. Southernmost of 3 wells. No measurements made in 1942.

Millard County - Escalante Valley 8/

(C-24-10)22acal(*940,p.73). Grazing Service, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 13, 15.20; June 2, 15.66; July 28, 18.06; Dec. 8, 17.34.

(C-24-10)22acbl(*940,p.73). Grazing Service, United States Department of Interior. Water levels, in feet below measuring point, 1942: Apr. 13, a/14.30; June 2, 9.88; July 28, 11.95; Dec. 8, 13.19.

(C-25-9)19dccl(*940,p.73). Denner and others. Water level, in feet below measuring point, 1942: Apr. 13, 41.42.

(C-25-9)20abdl(*940,p.73). Walter James and E. C. Lewis. Water levels, in feet below measuring point, 1942: Apr. 13, 83.44; July 28, 83.52; Dec. 8, 83.65.

(C-25-9)29ccal(*940,p.73). Ferdinand Erickson. Water levels, in feet below measuring point, 1942: Apr. 13,51.55; July 28, 61.52; Dec. 8, 61.61.

(C-25-10)9dbal(*940,p.73). E. C. Hiltbrand. Water levels, in feet below measuring point, 1942: Apr. 13, 56.32; July 28, 56.38; Dec. 8, 56.42.

(C-25-10)26caal(*940,p.73). State of Utah. Water levels, in feet below measuring point, 1942: Apr. 13, 18.04; July 28, 17.93; Dec. 8, 18.13.

(C-25-10)31cbcl(*940,p.73). Frank Paxton. Water levels, in feet below measuring point, 1942: Apr. 14, a/37.; June 2, a/36.; July 28, a/39.; Dec. 8, 31.72.

Millard County - Pavant Valley

(C-18-5)28accl(*817,p.409; 840,p.551; 845,p.622; 886,p.845; 910,p.112; 940,p.74). State claim 16404. Lawrence Clark. Water levels, in feet below measuring point, 1942: Mar. 12, 35.65; July 21, 34.35; Dec. 2, 35.72.

(C-19-4)31bccl(*817,p.410; *840,p.552; 845,p.622; 886,p.845; *910,p.112; *940,p.74). State claim 4263. Union Pacific Railroad. Water levels, in feet below measuring point, 1942: Mar. 12, 15.55; July 21, 13.09; Dec. 2, 12.69.

(C-19-5)4abal(*910,p.112; 940,p.74). State claim 16402. Lawrence Clark. No measurements made in 1942.

(C-19-5)4ddal(*817,p.410; *840,p.552; 845,p.622; 886,p.845; *910,p.112; 940,p.74). State claim 16405. Lawrence Clark. Water levels, in feet below measuring point, 1942: Mar. 12, 33.19; July 21, 32.89; Dec. 2, 32.23.

8/ For other wells in this valley see pages 38-50, 65-75, and 123.
a Pumping.

Millard County - Pavant Valley--Continued

(C-19-5)22acbl(*817,p.411; 840,p.552; 845,p.622; *886,p.845; 910,p.112; 940,p.74). Utah State Road Commission. Water level, in feet below measuring point, 1942: Mar. 12, 15.93. Measurements discontinued.

(C-20-5)13dadl(*840,p.552; 845,p.622; 886,p.846; 910,p.112; 940,p.74). C. H. Day. Water levels, in feet below measuring point, 1942: Mar. 12, 48.74; July 21, 46.34; Dec. 2, 46.64.

(C-20-5)22bccl(*817,p.411; *840,p.552; 845,p.622; *886,p.846; *910, p. 112; *940,p.74). Listed as (C-20-5)22bc in Water-Supply Paper 817. State claim 7671. Arnold Lesin. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 12, 7.0; July 21, 7.9; Dec. 2, 7.8.

(C-21-4)9bbdl(*886,p.846; 910,p.113; 940,p.74). John Carling. Water levels, in feet below measuring point, 1942: Mar. 13, 85.10; July 22, 86.43; Dec. 2, 87.80.

(C-21-5)3bbbl(*817,p.412; 840,p.553; 845,p.623; *886,p.846; 910,p.113; 940,p.74). Dal Huntsman.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 12	24.70	Nov. 11	22.48	Dec. 29	22.27
July 21	23.65	Dec. 2	22.28		

(C-21-5)21abal(*777,p.241; *817,p.412; 840,p.554; 845,p.623; 886,p.847; 910,p.113; 940,p.74). Listed as (C-21-5)21ab in Water-Supply Papers 777 and 817. State of Utah.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.47	9.69	9.20	11.64	18.38	18.40	18.23	17.88	17.90	17.06	12.26	8.45
2	10.43	9.58	9.06	14.32	18.46	18.38	18.22	17.85	17.93	17.06	12.00	8.35
3	10.39	9.53	....	14.85	18.44	18.93	18.23	17.82	17.94	16.90	11.05	8.35
4	10.42	10.14	9.06	.....	18.56	18.68	18.22	17.78	18.40	17.04	10.68	8.22
5	10.37	10.70	9.33	.....	18.58	18.95	18.20	17.80	18.39	17.03	10.63	8.27
6	.....	10.73	9.30	15.88	18.68	19.22	18.20	17.77	18.02	17.01	10.60	....
7	.....	10.76	9.42	15.84	18.70	19.17	18.17	18.00	17.97	16.97	10.57	....
8	.....	10.88	9.38	15.97	18.69	19.11	18.20	18.00	18.00	17.04	10.52	....
9	.....	10.96	9.30	16.14	18.69	18.55	18.15	18.36	18.00	17.09	.....	....
10	.....	11.03	10.34	16.24	18.73	18.38	18.13	18.00	18.38	16.89	.....	8.11
11	.....	10.92	10.36	16.32	18.72	18.40	18.56	18.02	18.80	16.76	.....	8.10
12	10.20	10.85	10.37	16.41	18.15	18.80	18.24	18.05	18.80	16.72	9.93	8.04
13	.....	10.82	10.37	16.46	18.16	18.31	18.20	18.01	18.67	16.63	9.80	7.95
14	.....	10.80	10.41	16.75	18.21	18.27	18.40	18.53	18.12	16.50	9.65	7.99
15	.....	10.81	.....	16.97	18.11	18.24	18.18	17.95	18.04	15.93	9.60	7.96
16	.....	10.45	.....	17.13	18.23	18.26	18.11	17.93	18.07	15.70	9.49	7.93
17	.....	10.47	10.53	17.18	18.26	18.44	18.63	17.90	17.99	15.66	9.26	7.82
18	.....	.....	10.40	17.34	18.27	17.95	18.69	18.54	17.68	15.37	....	7.80
19	10.11	.....	10.39	17.33	18.26	18.50	18.13	17.90	17.68	15.15	....	7.84
20	10.09	.....	10.48	17.33	18.32	18.34	18.12	17.98	17.68	14.94	....	7.77
21	10.04	.....	10.48	17.38	18.32	18.34	18.13	17.92	18.39	14.73	....	7.71
22	9.96	.....	10.36	17.37	18.89	18.32	18.59	17.94	17.69	13.55	....	7.66
23	9.98	9.35	19.34	17.46	18.95	.....	18.55	17.91	17.70	13.46	....	7.61
24	9.95	9.17	.....	17.47	18.31	.....	18.08	17.86	17.67	13.15	....	7.53
25	9.88	9.27	10.46	17.50	18.35	18.25	18.29	17.89	17.16	13.10	....	7.45
26	....	9.20	10.52	17.53	18.97	18.29	18.07	18.60	17.21	12.95	....	7.63
27	....	9.08	10.52	.....	18.98	18.44	18.06	18.59	17.29	12.78	....	7.60
28	9.80	9.16	10.46	.....	18.68	18.34	18.04	17.96	17.31	12.68	8.55	7.51
29	9.84	....	10.50	18.34	18.46	18.44	18.02	17.90	17.17	12.65	8.55	7.62
30	9.85	....	10.52	18.40	18.59	.....	18.50	17.96	17.15	12.58	8.45	7.67
31	9.80	....	10.49	.....	18.58	.....	17.93	17.87	.....	12.50	....	7.67

Millard County - Pavant Valley--Continued

(C-21-5)33dccl(*817,p.412; 840,p.555; 845,p.624; *886,p.848; *910,p.113; *940,p.75). State claims 71, 6337, and 7831. Andrew Dahlquist. Water levels, in feet above measuring point, 1942: Mar. 13, 9.3; July 22, 2.72; Dec. 3, 9.9; Dec. 29, 10.4.

(C-21-5)34bddl(*817,p.413; 840,p.555; *845,p.624; 886,p.848; 910,p.114; 940,p.75). Frank Sweeting.

Water level, in feet below measuring point, 1942 a/

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 13	39.60	Dec. 8	39.35	Dec. 16	39.04	Dec. 24	38.64
July 22	44.57	9	39.31	17	39.03	25	38.54
Nov. 12	41.14	10	39.29	18	39.03	26	38.78
Dec. 3	39.60	11	39.27	19	39.08	27	38.73
4	39.44	12	39.19	20	38.97	28	38.60
5	39.50	13	39.10	21	38.95	29	38.55
6	39.43	14	39.15	22	38.89	30	38.53
7	39.42	15	39.10	23	38.71	31	38.46

(C-22-5)17accl(*817,p.413;*840,p.555; 845,p.625; 886,p.848; *910,p.114; 940,p.75). State claim 3296. William Blake. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: July 22, 19.9; Dec. 3, 27.0.

(C-22-5)32dacl(*845,p.625; 886,p.848; 910,p.114; 940,p.75). Frank Paxton.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.99	32.90	32.75	31.88	.....	.....	.....	28.80	29.47	29.79	29.74	29.21
2	33.01	32.89	32.71	31.66	.....	.....	.....	28.82	29.49	29.81	29.72	29.27
3	33.03	32.88	32.68	31.37	.....	.....	.....	28.85	29.51	29.82	29.66	29.29
4	33.07	32.86	32.70b	29.85	.....	.....	.....	28.87	29.51	29.84	29.71	29.25
5	33.06	32.88	32.65b	28.98	.....	.....	.....	28.91	29.54	29.84	.....	29.29
6	33.06	32.85	32.62b	28.79	.....	.....	.....	28.94	29.56	29.82	29.71	29.26
7	33.05	32.84	32.66	29.00	.....	.....	.....	28.97	29.56	29.81	29.71	29.27
8	33.05	32.86	32.65	29.28	.....	.....	.....	28.99	29.56	29.85	29.63	29.26
9	33.09	32.86	.....	29.48	.....	.....	.....	29.01	29.58	29.85	29.71	29.26
10	33.09	32.87	32.63	29.62	.....	.....	.....	29.05	29.60	29.84	29.70	29.24
11	33.05	32.84	32.59	29.71	.....	.....	.....	29.08	29.64	29.80	29.64	29.25
12	33.04	32.83	32.58	29.79	.....	.....	.....	29.10	29.67	29.79	29.63	29.25
13	33.03	32.82	32.55	29.65	.....	.....	.....	29.11	29.68	29.86	29.62	29.21
14	33.04	32.80	32.56	28.63	.....	.....	.....	29.13	29.68	29.89	29.54	29.24
15	33.03	32.80	32.54	28.17	.....	.....	.....	29.13	29.69	29.88	29.45	29.23
16	33.00	32.78	32.56	28.60	.....	.....	.....	29.16	29.69	29.90	29.53	29.22
17	33.02	32.82	32.57	28.68	.....	.....	.....	29.17	29.70	29.90	29.50	29.17
18	33.03	32.83	.....	28.76	.....	.....	.....	29.22	29.76	29.88	29.48	29.17
19	33.03	32.83	.....	28.67	.....	.....	.....	29.25	29.78	.....	29.43	29.20
20	33.03	32.81	.....	.....	.....	.....	.....	29.25	29.78	.....	29.37	29.18
21	33.02	32.77	.....	.....	.....	.....	.....	29.29	29.77	.....	29.37	29.16
22	32.97	32.74	.....	.....	.....	.....	28.52	29.31	29.76	29.76	29.38	29.12
23	32.98	32.79	32.40	.....	.....	.....	28.53	29.33	29.75	29.76	29.34	29.09
24	32.98	32.73	32.34	.....	.....	.....	28.57	29.32	29.74	29.77	29.36	29.10
25	32.96	32.74	32.05	.....	.....	.....	28.59	29.34	29.75	29.82	29.29	29.08
26	32.98	32.76	32.09	.....	.....	.....	28.62	29.36	29.77	29.80	29.29	29.04
27	32.96	32.71	32.04	.....	.....	.....	28.66	29.36	29.77	29.71	29.33	29.20
28	32.93	32.72	31.97	.....	.....	.....	28.69	29.39	29.78	29.71	29.37	29.18
29	32.94	.....	31.97	.....	.....	.....	28.70	29.40	29.78	29.73	29.33	29.10
30	32.95	.....	31.94	.....	.....	.....	28.74	29.44	29.80	29.80	29.28	29.05
31	32.92	.....	31.92	.....	.....	.....	28.77	29.45	.....	29.80	.....	29.05

a Beginning Dec. 3, water level at 12:00 noon obtained from recorder charts.

b Water flowing into well from adjacent ditch.

Millard County - Pavant Valley--Continued

(C-24-7)25(*910,p.115; 940,p.75). Frank Paxton. Water levels, in feet below measuring point, 1942: Mar. 13, 170.58; July 22, 170.37; Dec. 7, 170.44.

Millard County - Sevier Desert

(C-15-4)20dccl(*817,p.406; 840,p.549; 845,p.620; 886,p.844; 910,p.111; *940,p.75). Spencer Nielson. Water levels, in feet below measuring point, 1942: Mar. 11, 125.62; July 20, 124.2; Dec. 2, 123.75.

(C-15-5)1aaal(*817,p.406;840,p.549; 845,p.620; 886,p.844; 910,p.111; 940,p.75). Listed as (C-15-5)1aa in Water-Supply Paper 940. I. P. Hinckley.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 11	101.66	July 20	100.38	Nov. 10	100.45
July 6	100.58	Sept. 2	100.31	Dec. 2	100.47

(C-15-7)17da(*840,p.559; 845,p.620; 886,p.844; 910,p.111; 940,p.76). I. H. Losee. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: July 21, 2.14; Nov. 11, 1.80; Dec. 2, 1.70.

(C-15-8)23bbal(*845,p.620; *886,p.844; *910,p.111; 940,p.76). State claim 12279. C. D. Ashby. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: July 21, 2.48; Nov. 11, 2.50; Dec. 2, 2.65.

(C-15-9)27b. Stock well, diameter 2 inches. Measuring point, top of reducer above tee, 2.0 feet above land surface. Water levels, in feet below measuring point, 1942: July 7, 46.75; July 21, 46.84.

(C-16-7)1dc(*817,p.407; *840,p.550; 845,p.620; 886,p.844; *910,p.111; 940,p.76). State claim 6643. H. W. Steiner. Water levels, in feet above measuring point, 1942: July 21, 5.40.

(C-16-7)4abbl(*817,p.407; 840,p.550; 845,p.620; 886,p.844; 910,p.111; 940,p.76). Listed as (C-16-7)4ab in Water-Supply Paper 817. L. N. Hinckley. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 12, 3.80; July 21, 3.20; Dec. 2, 3.10.

(C-16-7)7ccbl(*845,p.621; 886,p.844; 910,p. 111; 940,p.76). Millard County. Water levels, in feet below measuring point, 1942: July 7, 4.35; July 21, 4.27; Nov. 11, 4.39.

(C-16-7)21acdl(*845,p.621; 886,p.844; 910,p.111; 940,p.76). Martin Tanner.

Water level, in feet below measuring point, 1942

Mar. 12	16.34	July 21	15.89	Nov. 11	15.98
July 7	15.95	Sept. 4	15.97	Dec. 2	15.80

(C-16-7)34cdal(*845,p.621; 886,p.844; *910,p.111; 940,p.76). State claim 13205. Utah-Idaho Sugar Co. Water level, in feet below measuring point, 1942. Mar. 12, 16.50.

(C-16-8)9dcc. War Relocation Authority. Unused well, diameter 2 inches. Measuring point, top of casing, level with land surface. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Aug. 9	2.16	Sept. 6	1.20	Dec. 2	0.15
Sept. 3	1.30	Nov. 11	.42		

Millard County - Sevier Desert--Continued

(C-16-8)15dcc3. War Relocation Authority. Unused well, diameter 1¼-inches. Measuring point, top of casing, 0.5 foot above land surface. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 9, 1.26; Sept. 3, 1.20; Sept. 6, 1.10; Nov. 11, 0.95.

(C-16-8)15ddd3(*817,p.407; *840,p.550; 845,p.621; 886,p.844; *910,p.111; 940,p.76). State claim 12335. Frank Foot. Well flowing prior to measurements.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
July 7	1.5	Sept. 3	1.50	Nov. 11	2.04
21	1.58	6	1.52	Dec. 2	2.2

(C-16-8)17add. War Relocation Authority. Unused well, diameter 1¼-inches. Measuring point, top of ell on casing, 1.7 feet above land surface.

Water level, in feet, with reference to measuring point, 1942

Aug. 9	a+4.1	Sept. 6	a+3.45	Dec. 2	-0.85
Sept. 3	a+3.65	Nov. 11	-1.02		

(C-16-8)17cbb. War Relcoation Authority. Unused well, diameter 1½ inches. Measuring point, top of casing, 0.4 foot above land surface. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Aug. 9	1.68	Sept. 6	2.10	Dec. 2	0.00
Sept. 2	1.72	Nov. 11	.10		

(C-16-8)19dba. War Relocation Authority. Unused well, diameter 2 inches. Measuring point, top of 2-inch tee, 0.8 foot above land surface.

Water level, in feet above or below measuring point, 1942

Aug. 9	a+0.8	Sept. 6	a+0.55	Dec. 2	-1.10
Sept. 2	a+ .7	Nov. 11	- .82		

(C-16-8)19ddd. Water Relocation Authority. Unused well, diameter 1¼-inches. Measuring point, top of ell on casing, 1.0 foot above land surface.

Water level, in feet below measuring point, 1942

Aug. 9	0.0	Sept. 6	0.0	Dec. 5	2.39
Sept. 2	.0	Nov. 11	2.01		

(C-16-8)20cdd. War Relocation Authority. Unused well, diameter 36 inches. Measuring point, top of concrete curb, at northwest corner, 4.0 feet above land surface.

Water level, in feet below measuring point, 1942

Aug. 9	3.19	Sept. 6	3.38	Dec. 5	6.90
Sept. 2	3.28	Nov. 11	5.66		

(C-16-8)21bcb2. War Relocation Authority. Unused well, diameter 2 inches, depth 140 feet. Measuring point, top of 2-inch tee, 0.75 foot above land surface. Well destroyed in September 1942.

Water level, in feet above or below measuring point, 1942

July 21	+1.10	Sept. 4	+0.32	Sept. 6	-3.28
Aug. 9	+1.00	5	b-1.33		

a Well flowing prior to measurements.
b Adjacent well pumping.

Millard County - Sevier Desert--Continued

(C-16-8)21ddd. War Relocation Authority. Unused well, diameter 2 inches. Measuring point, top of tee on casing, 1.8 feet above land surface. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Aug. 9	1.18	Sept. 6	0.81	Dec. 5	0.42
Sept. 2	.99	Nov. 11	.70		

(C-16-8)27acd. War Relocation Authority. Unused well, diameter 2 inches. Measuring point, top of wood cover at pump base, 0.3 foot above land surface.

Water level, in feet below measuring point, 1942

Aug. 9	6.09	Sept. 6	6.22	Dec. 5	6.36
Sept. 2	6.18	Nov. 11	6.28		

(C-16-8)27dddl. War Relocation Authority. Stock and domestic well, diameter 1¼ inches, depth 140 feet. Measuring point, top of concrete curb, at south side, 0.4 foot above land surface.

Water level, in feet below measuring point, 1942

Aug. 9	7.91	Sept. 6	7.84	Dec. 5	8.77
Sept. 2	7.98	Nov. 11	8.06		

(C-16-8)32baa. War Relocation Authority. Stock and domestic well, diameter 2 inches. Measuring point, lip of pitcher pump, 2.9 feet above land surface.

Water level, in feet below measuring point, 1942

Aug. 9	7.10	Sept. 6	7.12	Dec. 5	9.71
Sept. 2	7.06	Nov. 11	8.51		

(C-16-8)33baa. War Relocation Authority. Unused well, diameter 1¼ inches. Measuring point, top of ell on casing, 7 feet below land surface. Water levels, in feet above measuring point, 1942: Aug. 9, 0.65; Sept. 2, 0.50; Sept. 6, 0.38.

(C-17-6)7dbb2(*817,p.408; 840,p.550; 845,p.621; 886,p.845; 910,p.111; *940,p.76). Listed as (C-17-6)7db in Water Supply Paper 817. Edward M. Dalton.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	3.7	July 7	2.98	Sept. 2	3.15	Nov. 25	3.16
Mar. 12	3.13	21	3.06	Nov. 11	3.16		

(C-17-6)33dccl(*817,p.408; *840,p.550; *845,p.621; 886,p.845; *910,p.111; 940,p.76). Listed as (C-17-6)33dc in Water-Supply Paper 817. State claim 10288. Duluth Land Co. Water levels, in feet above measuring point, 1942: Mar. 12, 6.2; July 21, 6.8; Dec. 2, 5.9.

(C-17-7)20cbbl(*817,p.408; *840,p.550; 845,p.621; 886,p.845; *910,p.111; 940,p.76). Listed as (C-17-7)20cb in Water-Supply Paper 817. State claim 12287. W. J. Webb. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 12, 5.4; July 21, 5.85; Dec. 2, 5.6.

(C-17-7)25daal(*817,p.408; 840,p.551; 845,p.621; 886,p.845; 910,p.111; 940,p.76). Listed as (C-17-7)25da in Water-Supply Paper 817. Investors Finance Co. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 12, 4.5; July 21, 4.6; Dec. 2, 4.2.

(C-17-7)30aaal(*817,p. 408; 840,p.551; 845,p.621; 886,p.845; 910,p.111; 940,p.76). J. G. Parry. Water levels, in feet above measuring point, 1942: Mar. 12, 2.2; July 21, 2.35; Dec. 2, 1.55.

(C-18-5)6bbal(*817,p.409; *840,p.551; 845,p.621; 886,p.845; *910,p.111; 940,p.76). State claim 4261. Union Pacific Railroad. Water levels, in feet above measuring point, 1942: Mar. 12, 26.7; July 21, 16.9; Dec. 2, 28.2.

Millard County - Sevier Desert--Continued

(C-18-7)5aaa2(*817,p.409; 840,p.551; 845,p.622; 886,p.845; 910,p.112; 940,p.76). Listed as (C-18-7)5aa in Water-Supply Paper 817. S. A. Webb. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 12, 5.4; July 21, 5.6; Dec. 2, 5.4.

Millard County - Snake Valley 9/

(C-18-19)20dad1(*840,p.551; 845,p.622; 886,p.845; 910,p.112; 940,p.76). Mrs. Ward Robinson. Water levels, in feet below measuring point, 1942: Aug. 7, 21.24; Oct. 1, 24.23.

(C-18-19)20ddd1(*840,p.551; 845,p.622; 886,p.845; *910,p.112; 940,p.76). State claim 7420. Louise Robinson. Water levels, in feet below measuring point, 1942: Aug. 7, 24.38; Oct. 1, 26.98.

(C-20-19)6bcc(*840,p.552; 845,p.622; 886,p.846; 910,p.112; 940,p.76). G. A. Bellander. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 8, 6.6; Oct. 1, 6.5.

(C-20-19)7aab(*840,p.553; 886,p.846; 910,p.112; 940,p.76). G. S. Quayte. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 8, 6.3; Oct. 1, 6.0.

(C-20-19)7bbd(*840,p.553; 845,p.622; 886,p.846; 910,p.112; 940,p.77). Marcus Sorenson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 8, 2.00; Oct. 1, 1.9.

(C-20-19)16bdc1(*840,p.553; 845,622; 886,p.846; 910,p.112; 940,p.77). State claim 4024. F. G. Schumaker. No measurements in 1942. Measurements discontinued.

(C-22-19)6b. Cecil Rowley. Domestic well, diameter 48 inches. Measuring point, top of platform at pump base, 0.5 foot above land surface. Water levels, in feet below measuring point, 1942: Aug. 8, 52.85; Oct. 1, 56.96.

(C-23-19)9cc(*840,p.557; 845,p.625; 886,p.848; 910,p.115; 940,p.77). Fred Loper. Water level, in feet below measuring point, 1942: Oct. 1, 10.63.

(C-23-19)9cdb1(*840,p.557; 845,p.625; 886,p.848; 910,p.115; 940,p.77). Thomas Dearden. Water level, in feet below measuring point, 1942: Oct. 1, 16.35.

Morgan County

(A-3-2)14dc(*817,p.352; 840,p.519; 845,p.625; 886,p.849; 910,p.115; 940,p.77). Earl Walker. Water levels, in feet below measuring point,1942: Mar. 9, 55.48; Aug. 24, 50.82; Dec. 13, 53.99.

(A-3-2)24cba1(*817,p.352; 840,p.519; 845,p.625; 886,p.849; *910,p.115). State claim 12405. Hyrum Adams. Water levels, in feet below measuring point, 1942: Mar. 9, 17.25; Aug. 24, 13.24; Dec. 13, 17.49.

(A-4-2)8ccd1(*910,p.115; 940,p.77). State claim 12133. L. H. Kobabe. Water levels, in feet below measuring point, 1942: Mar. 9, 31.75; Aug. 24, 18.77; Dec. 13, 21.66.

(A-4-2)15ccc(*817,p.352; *840,p.519; 845,p.625; 886,p.849; *910,p.116; 940,p.77). State claim 6594. Jake Pentz. Water levels, in feet below measuring point, 1942: Mar. 9, 22.02; Aug. 24, 21.29; Dec. 13,21.89.

(A-4-2)17dbb1(*817,p.352; 840,p.519; 845,p.625; 886,p.849; *910,p.116; 940,p.77). Heber Anderson Estate. Water levels, in feet below measuring point, 1942: Mar. 9, 15.26; Aug. 24, 14.90; Dec. 13, 14.76.

9/ For other wells in this valley see page 78.

Morgan County - Continued

(A-4-2)26cc(*817,p.352; *840,p.519; 845,p.625; 886,p.849; 910,p.116; 940,p.77). State application 11666. J. C. Little. Water levels, in feet below measuring point, 1942: Mar. 9, 16.10; Aug. 24, 8.05; Dec. 13, 11.77.

(A-4-2)27dddl(*817,p.352; *840,p.519; 845,p.625; *886,p.849; *910,p.116; 940,p.77). Listed as (A-4-2)27dd in Water-Supply Papers 817, 840, 845 and 886. State claim 14744. J. C. Little. Water levels, in feet below measuring point, 1942: Mar. 9, 9.13; Aug. 24, 1.54; Dec. 13, 4.79.

(A-4-2)28baal(*817,p.352; 840,p.519; 845,p.626; 886,p.849; *910,p.116; 940,p.77). Listed as (A-4-2)28ba in Water-Supply Paper 817. State claim 9247. Morgan County School District. Water levels, in feet below measuring point, 1942: Mar. 9, 25.77; Aug. 24, 23.80; Dec. 13, 25.13.

(A-4-2)35cddl(*817,p.352; *840,p.520; 845,p.626; 886,p.849; *910,p.116; 940,p.77). State claim 11785. Albert Wiggins. Water levels, in feet below measuring point, 1942: Aug. 24, 13.76; Dec. 13, 21.86.

(A-4-3)31bcc(*840,p.520; 845,p.626; *886,p.849; 910,p.116; 940,p.77). Morgan County. Water level, in feet below measuring point, 1942: Dec. 13, 23.65.

(A-4-3)31cabl(*840,p.520; 845,p.626; 886,p.850; *910,p.116; 940,p.77). State claim 12410. Como Springs Resort Co. Water levels, in feet below measuring point, 1942: Mar. 9, 4.43; Aug. 24, 4.39; Dec. 13, 4.23.

(A-4-4)30aac2(*910,p.116; 940,p.77). Listed as (A-4-4)30aaa2 in Water-Supply Paper 940. State claim 5670. J. A. Millyard. Water levels, in feet below measuring point, 1942: Mar. 9, 11.08; Aug. 24, 10.78; Dec. 13, 11.42.

(A-5-1)27db(*817,p.352; 840,p.520; 845,p.626; 886,p.850; 910,p.116; 940,p.77). E. R. France.

Water level, in feet below measuring point, 1942

Date	Water level inside of casing	Water level outside of casing	Date	Water level inside of casing	Water level outside of casing
Mar. 9	0.82	1.13	Dec. 13	0.93	1.46
Aug. 24	.76	1.27			

Piute County

(C-27-1)15cbbl(*845,p.626*886,p.850; *910,p.117; 940,p.78). State claim 12745. Talmadge Bagley. Water levels, in feet below measuring point, 1942: Aug. 9. 10.31; Dec. 18. 11.06.

(C-27-1)27abc2(*840,p.559; 845,p.626; 886,p.850; *910,p.117;940,p.78). State claim 2905. H. B. Crandall. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 9, 2.79; Dec. 18, 2.35.

(C-30-2)32a(*845,p.626; 886,p.850; 910,p.117; 940,p.78). Water levels, in feet below measuring point, 1942: Aug. 8, 13.12; Dec. 17, 16.00.

(C-30-3)15bbal(*817,p.422; 840,p. 565; 845,p.626; 886,p.850; 910,p. 117; *940,p.78). Listed as (C-30-3)15bb in Water-Supply Paper 817. O. P. Jessen. Water levels, in feet below measuring point, 1942: Mar. 17, 23.69; Aug. 8, 8.71; Dec. 7, 19.86.

(C-30-4)14dcal(*817,p.423; *840,p.565; 845,p.627; 886,p.850; 910,p.117; *940,p.78). Earl Whitaker. Well flowing prior to measurements. Water level in feet above measuring point, 1942: Mar. 17, 4.9; Aug. 8, 6.85; Dec. 17, 6.5.

Piute County--Continued

(C-30-4)25bccl(*845,p.627; 886,p.850; *910,p.117; 940,p.78). State claim 8210. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 17, 22.18; Aug. 8, 13.86; Dec. 17, 17.09.

Rich County

(A-9-7)16ba(*817,p.358; 840,p.523; 845,p.627; 886,p.851; *910,p.117; 940,p.78). State claim 8218. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Aug. 21, 35.20; Oct. 6, 39.47; Nov. 25, 41.59.

(A-9-7)25cbc(*886,p.851; *910,p.117; 940,p.78). No measurement made in 1942. Measurements discontinued.

(A-9-8)17ac(*845,p.627; 886,p.851; *910,p.117; 940,p.78). State claim 6837. S. Francis & Sons Co. Water levels, in feet below measuring point, 1942. Aug. 21, 6.14; Oct. 6, 7.44.

(A-10-7)20aaal(*840,p.523; 845,p.627; 886,p.851; *910,p.117; 940,p.78). State claim 1886. Joseph Hatch. Water levels, in feet below measuring point, 1942: Aug. 21, 8.86; Oct. 6, 11.88; Nov. 25, 11.80.

(A-11-7)9cdl(*817,p.359; 840,p.524; 845,p.627; 886,p.851; 910,p.117; 940,p.78). F. H. Jackson. Water levels, in feet below measuring point, 1942: Aug. 21, 14.65; Oct. 6, 14.54; Nov. 25, 14.83.

(A-11-7)9cd2(*817,p.359; 840,p.524; 845,p.627; 886,p.851; 910,p.117; 940,p.78). F. H. Jackson. Water level, in feet below measuring point, 1942: Oct. 6, 18.40.

(A-11-7)21bc(*840,p.524;845,p.627; 886,p.851; 910,p.117; 940, p.78). Loren Jackson. Water levels, in feet below measuring point, 1942: Oct. 6, 11.12; Nov. 25, 11.83.

(A-12-7)26bbl(*817.p.360; 840.p.525; 845,p.627; 886,p.851; 910,p.118; 940,p.78). William Hoffman. Water levels, in feet below measuring point, 1942: Aug. 21, 6.78; Oct. 6, 6.59; Nov. 25, 7.72.

(A-12-7)26bb2(*817,p.360; 840,p.525; 845,p.627; 886,p.852; 910,p.118; 940,p.78). William Hoffman. Water levels, in feet below measuring point, 1942: Aug. 21, 6.69; Oct. 6, 7.14.

(A-13-5)10bbbl(*840,p.526; 845,p.627; 886,p.852; 910, p.118; 940,p.79). Thomas Hodges. Water levels, in feet below measuring point, 1942: Aug. 21, 15.33; Oct. 6, 15.51.

(A-13-5)10bbb2(*840,p.526; 845,p.627; 886,p.852; 910,p.118; 940,p.79). Thomas Hodges. Water levels, in feet below measuring point, 1942: Aug. 21, 17.58; Oct. 6, 17.00.

(A-13-5)21ad(*817,p.361;840,p.526; 845,p.627; 886,p.852; 910,p.118; 940,p.79). Drought Relief Administration. Water levels, in feet below measuring point, 1942: Aug. 21, a/26.63; Oct. 6, 15.44.

(A-13-5)22bd(*817,p.361;840,p.526; 845,p.627; 886,p.852; 910,p.118; 940,p.79). Willis Bros. Water level, in feet below measuring point, 1942: Aug. 21, 23.35.

(A-13-5)22da(*817,p.361; 840,p.526; 845,p.627; 886,p.852; 910,p.118; 940,p.79). Max Green. Water levels, in feet below measuring point, 1942: Aug. 21, 20.54; Oct. 6, 21.04.

a Adjacent well pumping.

Rich County--Continued

(A-13-5)25db(*817,p.361; 840,p.526; 845,p.627; 886,p.852; 910,p.118; 940,p.79). Willis Bros. Water levels, in feet below measuring point, 1942: Aug. 21, a/23.79; Oct. 6, 8.01.

(A-13-6)30bb(*817,p.361; 840,p.526; 845,p.627; 886,p.852; 910,p.118; 940,p.79). Rich County. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 21, 2.3; Oct. 6, 2.4.

(A-14-5)16cdc1(*817,p.362; 840,p.527; 845,p.628; 886,p.852; 910,p.118; 940,p.79). Listed as (A-14-5)16cd in Water-Supply Papers 817, 840, 845, and 886. Mrs. David Cook. Water levels, in feet below measuring point, 1942: Aug. 21, 12.14; Oct. 6, 18.14.

(A-14-5)21bd (*817, p. 362; 840, p. 527; 845, p. 628; 886, p. 853; 910, p. 119; 940, p. 79). Thomas Hodges. Water levels, in feet below measuring point, 1942: Aug. 21, 7.08; Oct. 6, 11.65.

(A-14-5)21bda(*817,p.362; 840,p.527; 845,p.628; 886,p.853; *910,p.118; 940,p.79). J. W. Gibbons. Water levels, in feet below measuring point, 1942: Aug. 21, 10.63; Oct. 6, 15.63.

(A-14-5)21bdb(*817,p.362; 845,p.628; 886,p.852; 910,p.119; 940,p.79). Alex Johnson. Water level, in feet below measuring point, 1942: Aug. 21, 8.61.

(A-14-5)21cd(*817,p.362; 840,p.527; 845,p.628; 886,p.853; 910,p.119; 940,p.80). C. W. Pope. Water levels, in feet below measuring point, 1942: Aug. 21, 6.29; Oct. 6, 6.69.

(A-15-5)32cd(*840,p.527; 845,p.628; 886,p.853; 910,p.119; 940,p.80). L. E. Scofield. Water levels, in feet below measuring point, 1942: Aug. 21, 15.41; Oct. 6, 21.23.

Salt Lake County

(B-1-1)6cca1(*817,p.362; *840,p.527; 845,p.628; 886,p.853; *910,p.119; 940,p.80). State claim 747. Rudy Gun Club. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Apr. 2, 16.75; Dec. 24, 16.40.

(B-1-1)26ddc2(*840,p.527; 845,p.628; 886,p.853; 910,p.119; 940,p.80). L. T. Farnsworth. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 10, 5.3; Aug. 30, 4.9; Dec. 24, 4.95.

(B-1-1)33cda1(*817,p.363; *840,p.528; 845,p.628; 886,p.853; *910,p.119; 940,p.80). State claim 8867. Salt Lake City Corporation. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	13.60	Apr. 15	14.20	June 10	13.60	Sept.11	13.95
19	13.50	29	14.15	17	13.85	30	13.75
Feb. 5	13.60	May 6	13.90	24	13.70	Oct. 15	13.70
Mar. 9	13.65	13	13.85	July 17	13.45	30	13.85
19	13.70	20	14.00	31	13.55	Nov. 14	14.35
26	13.70	27	13.68	Aug. 12	13.50	25	14.00
Apr. 1	11.90	June 3	13.90	27	13.40	Dec. 11	14.00
8	13.60						

(B-1-1)36abc1(*840,p.528; 845,p.628; 886,p.853; 910,p.119; 940,p.80). Utah Oil Co. Measurements by Salt Lake City Corporation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	7.11	Apr. 1	5.80	May 20	1.9	July 14	4.92
19	6.89	8	4.80	27	3.90	Aug. 5	4.63
Feb. 5	6.43	15	5.28	June 3	4.24	Sept. 3	5.90
19	6.05	22	5.75	10	4.42	Oct. 15	5.61
Mar. 9	5.93	29	5.30	17	4.51	Nov. 4	4.99
19	5.44	May 6	5.55	24	4.50	Dec. 11	4.87
26	5.40	13	4.32				

a Pump stopped 10 minutes prior to measurement.

Salt Lake County--Continued

(B-1-2)36baal (*940, p. 80). State claim 18176. E. J. Jeremy. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Apr. 2, 11.2; Dec. 24, 11.2.

(C-1-1)2cdal (*840, p. 541; 845, p. 629; 886, p. 854; 910, p. 120; 940, p. 81). J. D. Brown. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	3.81	Apr. 1	2.25	May 13	0.97	June 24	0.61
19	2.88	8	1.76	20	.97	July 17	1.90
Feb. 5	2.54	15	1.76	27	.94	Aug. 5	1.60
19	3.00	22	1.14	June 3	.94	Oct. 15	2.20
Mar. 9	2.75	29	.85	10	.97	Nov. 4	2.80
19	2.65	May 6	1.21	17	.45	Dec. 11	3.02
26	2.35						

(C-1-1)15abb2 (*817, p. 393; *840, p. 542; 845, p. 629; 886, p. 854; *910, p. 120; 940, p. 81). Listed as (C-1-1)15ab in Water-Supply Paper 817. State claim 9172. Eva Davis. Measurements by Salt Lake City Corporation. Measurements discontinued after June 24, 1942.

Water level, in feet above measuring point, 1942

Jan. 8	2.63	Mar. 19	2.45	Apr. 22	3.65	May 27	2.62
19	3.25	26	3.70	29	2.42	June 3	3.11
Feb. 5	3.40	Apr. 1	3.70	May 6	3.07	10	2.77
19	2.80	8	3.70	13	2.57	17	2.70
Mar. 9	2.45	15	3.32	20	2.85	24	1.85

(C-1-1)18bbal (*940, p. 81). State claim 15668. J. C. Phelps. No measurements made in 1942.

(C-1-1)22bdal (*817, p. 394; *840, p. 542; 845, p. 629; *886, p. 854; *910, p. 120; 940, p. 81). Listed as (C-1-1)22bd in Water-Supply Paper 817. State claim 2199. William Gedge. Water levels, in feet above measuring point, 1942: Mar. 10, 10.0; Aug. 30, 9.6; Dec. 24, 11.8.

(C-1-1)33abbl (*817, p. 395; *840, p. 544; 845, p. 629; 886, p. 854; *910, p. 120; 940, p. 81). Listed as (C-1-1)33ab in Water-Supply Paper 817. State claim 7547. W. D. Hill. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 10, 15.2; Aug. 30, 12.2; Dec. 24, 18.4.

(C-1-2)5bbbl (*817, p. 395; *840, p. 542; 845, p. 629; 886, p. 854; 910, p. 120; 940, p. 81). State claim 13403. Morton Salt Co. Valve open to plant prior to all measurements. Water levels, in feet above measuring point, 1942: Feb. 7, 17.4; Apr. 2, 16.1; Dec. 23, 16.3.

(C-1-2)19bddl (*817, p. 395; *840, p. 542; *845, p. 629; 886, p. 854; *910, p. 120; 940, p. 81). State application 11821. Utah Copper Co. Water level, in feet below measuring point, 1942: Mar. 10, 1.84.

(C-1-2)19dadl (*817, p. 395; *840, p. 542; 845, p. 629; 886, p. 855; 910, p. 120; 940, p. 81). Listed as (C-1-2)19da in Water-Supply Paper 817. State claim 5828. Utah Copper Co. Water levels, in feet above measuring point, 1942: Aug. 30, a/10.1; Dec. 24, 13.3.

(C-1-2)22bcd3. Harriet Brown. Unused stock well, diameter 2 inches. Measuring point, top of 8-inch cylinder on north side, 7.4 feet above land surface.

a Well flowing prior to measurement.

Salt Lake County--Continued

(C-1-2)22bcd3. Harriet Brown--Continued.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 23	a1.04	July 19	1.98	Sept.27	1.03	Nov. 5	0.96
24	1.09	20	1.87	28	1.12	6	.96
25	1.10	21	2.01	29	1.02	7	1.00
26	1.14	22	2.00	30	1.04	8	1.01
27	1.07	23	2.00	Oct. 1	1.04	9	1.07
28	1.04	24	1.54	2	1.04	10	1.02
29	1.03	29	1.30	3	1.04	11	1.02
30	1.03	30	1.15	4	1.06	12	1.02
31	.98	31	1.15	5	1.02	13	1.02
June 1	.99	Aug. 1	1.68	6	1.06	14	1.03
2	.78	2	1.20	13	.95	15	1.03
3	.99	3	1.35	14	.97	16	1.09
4	1.05	4	1.53	15	.96	17	1.06
5	1.07	12	1.70	16	.90	18	1.09
6	1.05	13	1.72	17	.99	19	1.08
8	1.17	14	1.75	18	.92	20	1.09
10	1.42	15	1.71	19	.92	21	1.09
12	1.48	16	1.69	20	.91	22	1.11
13	1.93	17	1.21	21	.91	24	.98
14	1.91	18	1.53	22	.90	25	.94
15	1.48	19	1.67	23	.89	26	.96
16	1.51	30	1.29	24	.91	27	.94
17	1.47	31	1.55	25	.95	28	.91
18	1.54	Sept. 1	1.10	26	1.06	29	.91
19	1.47	2	1.10	27	1.00	30	.91
20	1.46	3	1.05	28	.97	Dec. 1	.92
21	1.49	4	1.52	29	.95	9	1.12
22	1.50	5	1.51	30	.96	10	1.16
July 14	2.07	6	1.47	31	1.00	11	1.13
15	2.09	23	1.10	Nov. 1	1.01	12	1.14
16	2.09	24	1.07	2	.96	13	1.17
17	2.06	25	1.05	3	.94	14	1.20
18	1.58	26	1.04	4	.92	24	b1.21

(C-1-2)22cbb1(*817,p.396;840,p.543; 845,p.630; 886,p.855; *910,p.120; *940,p.81). Listed as (C-1-2)22cb in Water-Supply Paper 817. F. E. Fowler. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 10, 11.6; Dec. 24, 12.4.

(C-2-1)1bab2(*817,p.396; *840,p.543; 845,p.630; 886,p.855; *910,p.120; 940,p.81). State claim 4058. C. S. Walters. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Jan. 9	17.9	Apr. 10	18.75	July 30	13.6	Oct. 17	17.35
22	17.8	28	18.50	Aug. 12	13.75	30	18.10
Feb. 5	18.3	May 6	18.75	28	13.50	Nov. 13	17.80
21	18.05	23	17.90	Sept.17	15.10	28	18.25
Mar. 7	18.0	June 12	18.4	25	15.40	Dec. 12	18.50
23	18.4	July 2	14.6	30	15.55		

(C-2-1)10bad1(*845,p.630; 886,p.855; 910,p.121; 940,p.82). E. B. Lindsay Water levels, in feet below measuring point, 1942: Mar. 10, 13.64; Aug. 30, 7.10; Dec. 24, 6.74.

(C-2-1)22bd(*777,p.245; *817,p.397; *840,p.543; 845,p.630; 886,p.855; 910,p.121; 940,p.82). W. A. Diamond. Measurements by Salt Lake City Corporation.

Water level, in feet below measuring point, 1942

Jan. 15	74.30	Apr. 9	78.85	July 10	75.20	Oct. 17	68.85
Feb. 7	75.79	30	78.54	Aug. 13	71.90	Nov. 14	69.35
Mar. 13	77.10	May 13	79.05	Sept.17	69.50	Dec. 21	68.40

a Recorder installed.
b Recorder removed.

Salt Lake County--Continued

(C-2-1)24adcl(*817,p.397; *840,p.543; 845,p.630; *886,p.855; 910,p.121; 940,p.82). Listed as (C-2-1)24ad in Water-Supply Paper 817. State claim 16012. J. D. Blain. Water levels, in feet below measuring point, 1942: Mar. 10, 23.69; Aug. 30, 20.55; Dec. 24, 22.03.

(C-2-1)24ccc2(*817,p.398; 840,p.543; *845,p.630; 886,p.856; *910,p.121; 940,p.82). Listed as (C-2-1)24cc in Water-Supply Paper 817. J. R. Smith. Water levels, in feet below measuring point, 1942: Mar. 10, 5.53; Aug. 30, 4.24; Dec. 24, 5.01.

(C-3-1)14bdcl(*817,p.401; *840,p.547; 845,p.631; 886,p.856; *910,p.121; 940,p.82). State claim 9501. B. H. Beckstead. Water levels, in feet below measuring point, 1942: Mar. 9, 12.32; Aug. 30, 9.09; Dec. 24, 9.36.

(C-3-1)25aa(*817,p.402; 840,p.547; 845,p.631; 886,p.856; 910,p.121; 940, p.82). Sproul Brothers. Water levels, in feet below measuring point, 1942: Mar. 10, 33.08; Aug. 30, 30.29; Dec. 24, 29.56.

(C-3-1)26cadl(*817,p.402; *840,p.547; 845,p.631; 886,p.856; 910,p.121; 940,p.82). Frank Bagley. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 10, 18.1; Aug. 30, 20.4; Dec. 24, 19.3.

(C-3-1)27cddl(*817,p.402; 840,p.547; 845,p.631; 886,p.856; 910,p.121; 940,p.82). Listed as (C-3-1)27cd in Water-Supply Paper 817. J. R. Dansie and others. Water levels, in feet below measuring point, 1942: Mar. 10, 30.96; Aug. 30, 20.88; Dec. 24, 23.35.

(D-1-1)5aadl(*817,p.439; 840,p.589; 845,p.631; 886,p.856; *910,p.121; 940,p.82). Salt Lake City Corporation.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	99.86	99.79	100.00	99.92	100.01	99.69	99.18	98.38	97.84	.....	97.24	97.21
2	99.85	99.76	99.90	99.94	100.12	99.66	99.14	98.35	97.84	.....	97.23	97.10
3	99.76	99.79	99.84	99.84	100.09	99.64	99.13	98.32	97.81	.....	97.15	97.13
4	99.92	99.77	99.96	99.80	100.05	99.66	99.04	98.30	97.79	.....	97.31	97.06
5	99.93	99.87	99.85	99.90	100.09	99.62	98.95	98.30	97.81	.....	97.32	97.15
6	99.82	99.78	99.80	99.86	100.05	99.56	98.90	98.29	97.81	97.47	97.37	97.10
7	99.85	99.75	99.96	99.99	100.00	99.50	98.90	98.28	97.75	97.44	97.33	97.19
8	99.79	99.90	99.95	99.99	99.95	.....	98.93	98.27	97.72	97.49	97.24	97.18
9	99.92	99.87	99.85	99.97	99.88	99.52	98.96	98.25	97.71	97.49	97.38	97.20
10	99.91	99.93	99.87	99.97	99.94	99.55	98.94	98.26	97.74	97.41	97.38	97.23
11	99.81	99.90	99.75	99.95	99.84	99.54	.....	98.22	97.76	97.32	97.37	97.27
12	99.80	99.86	99.77	99.99	99.92	99.58	98.92	98.17	97.76	97.31	97.30	97.23
13	99.83	99.86	99.94	99.95	100.02	99.53	98.92	98.11	97.73	97.39	97.27	97.17
14	99.87	99.81	99.84	99.94	100.05	99.46	.....	98.09	97.67	97.46	97.13	97.28
15	99.81	99.80	99.82	100.09	99.88	99.39	.....	98.08	97.68	97.40	97.09	97.26
16	99.71	99.81	99.91	100.05	100.06	99.43	.....	98.05	.....	97.42	97.16	97.25
17	99.80	99.93	100.00	99.93	.....	99.39	.....	97.96	.....	97.43	97.12	97.15
18	99.86	99.94	.....	100.13	.....	99.33	.....	97.95	.....	97.40	97.10	97.13
19	99.90	99.83	.....	100.05	100.06	99.34	.....	97.99	.....	97.36	97.15	.....
20	99.88	99.86	.....	100.05	100.04	99.35	.....	97.98	.....	97.37	97.23	.....
21	.....	99.72	.....	100.08	94.94	99.36	.....	98.00	.....	97.38	97.35	.....
22	.....	99.64	.....	99.94	99.84	.....	.....	98.01	97.59	97.29	97.29	97.06
23	.....	99.91	.....	100.04	99.83	99.26	.....	97.99	97.56	97.29	97.19	97.02
24	.....	99.76	99.64	100.06	99.89	99.25	.....	97.93	97.54	97.31	97.15	97.01
25	.....	99.84	99.25	100.07	99.79	99.20	.....	97.92	97.53	97.39	97.29	96.96
26	.....	99.92	.....	100.08	99.81	99.28	.....	97.94	97.58	97.32	97.23	97.25
27	99.70	99.79	.....	100.03	99.88	99.30	.....	97.88	97.52	97.20	97.12	97.25
28	99.70	99.85	.....	99.91	99.80	99.32	98.44	97.89	97.52	97.18	97.21	97.16
29	99.77	.....	.....	100.02	99.87	.....	98.41	97.84	97.54	97.24	97.20	.....
30	99.84	.....	.....	100.11	99.88	99.24	98.40	97.93	.....	97.35	97.18	.....
31	99.82	.....	99.93	.....	99.83	.....	98.38	97.88	.....	97.35	.....	.....

Salt Lake County--Continued

(D-1-1)6ccd1(*817,p.440; 840,p.590; 845,p.632; 886,p.857; 910,p.122; 940,p.83). Royal Laundry Co. Measurements by Salt Lake City Corporation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	12.85	Apr. 8	11.60	May 21	10.93	July 14	10.45
23	12.80	15	12.80	27	10.76	Aug. 5	11.50
Feb. 19	12.25	22	11.40	June 3	10.75	Sept. 3	11.12
Mar. 9	12.10	29	11.29	10	10.95	Oct. 17	11.44
19	12.90	May 6	10.78	17	10.82	Nov. 2	11.25
25	12.05	13	11.56	24	10.56	Dec. 11	10.68
Apr. 1	13.00						

(D-1-1)7abdb(*840,p.590; 845,p.632; 886,p.858; 910,p.122; 940,p.83). Salt Lake City Corporation. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Jan. 8	6.60	Apr. 1	7.15	May 13	6.75	June 24	4.60
19	6.00	8	6.80	20	6.90	July 17	5.20
Feb. 4	6.75	15	6.45	27	5.55	Aug. 5	4.10
19	6.30	22	6.75	June 3	6.15	Sept. 3	4.30
Mar. 9	6.30	29	6.81	10	5.60	Nov. 2	6.45
19	6.40	May 6	7.02	17	5.82	Dec. 11	6.50
26	7.00						

(D-1-1)7abd6(*886,pp. 858-862; 910,p.122; 940,p.83). State claim 4836. Salt Lake City Corporation.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	.....	142.99	142.26	140.80	139.55	138.65
2	.....	142.91	142.05	140.75	139.63	138.46
3	.....	142.80	142.08	140.60	139.42	138.47
4	.....	142.72	142.17	140.58	139.64	138.52
5	.....	142.80	141.95	140.60	139.80	138.45
6	143.80	142.60	141.95	140.50	139.71	138.35
7	143.36	142.60	142.08	140.58	139.64	138.35
8	143.86	142.69	141.95	140.51	139.63	138.40
9	143.98	142.55	141.80	140.47	139.52	138.38
10	143.92	142.62	141.85	140.56	139.57	138.35
11	143.80	142.50	141.60	140.48	139.40	138.35
12	143.76	142.47	141.68	140.46	139.42	138.15
13	.....	142.41	141.49	140.14	139.48	138.30
14	.....	142.35	141.51	140.00	139.48	138.40
15	.....	142.34	141.40	140.09	139.26	138.20
16	.....	142.32	141.41	139.85	139.51	138.30
17	.....	142.58	141.50	139.70	139.43	138.27
18	.....	.....	141.28	139.90	139.42	138.22
19	.....	.....	141.30	139.15	139.24	138.25
20	143.60	.....	141.37	139.65	139.07	138.25
21	143.50	.....	141.26	139.69	138.95	138.27
22	143.45	.....	141.09	139.44	138.90	138.22
23	143.50	.....	141.01	139.76	138.83	138.12
24	143.43	142.05	140.88	139.54	138.85	138.15
25	143.33	142.26	141.09	139.60	138.73	138.10
26	143.34	142.18	141.19	139.56	138.88	138.17
27	143.15	142.07	140.95	139.44	139.05	138.20
28	143.16	142.22	140.88	139.43	138.75	138.23
29	143.18	.....	140.87	139.54	139.10	138.20
30	143.11	.....	140.82	139.64	138.90	138.17
31	143.08	.....	140.80	.....	138.70	.....

Salt Lake County--Continued

(D-1-1)9acal(*886,pp.858-862; 910,p.122; 940,p.83). State claim 4836--Continued.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	137.95	137.94	137.91	138.05	.....	138.70
2	137.95	137.95	137.95	138.17	.....	138.74
3	137.95	137.97	137.95	138.18	138.31	138.78
4	137.95	137.95	137.94	138.23	.....	138.66
5	137.90	137.97	137.91	138.20	.....	138.77
6	137.90	137.98	137.85	138.17	.....	138.69
7	137.98	137.97	137.94	138.17	.....	138.82
8	138.00	137.95	137.89	138.25	.....	138.76
9	138.05	137.95	137.90	138.27	.....	138.79
10	138.04	.....	137.97	138.25	138.72	138.80
11	138.04	137.95	138.00	138.12	.....	138.81
12	138.02	137.94	138.01	138.10	.....	138.76
13	138.05	137.95	138.00	138.26	.....	138.69
14	138.07	137.95	137.98	138.30	.....	138.75
15	138.05	137.97	138.01	138.27	.....	138.86
16	138.03	137.94	137.92	138.33	.....	138.78
17	138.10	137.93	137.92	138.37	138.51	138.80
18	138.13	137.97	138.13	138.13	.....	138.78
19	138.10	137.97	138.16	138.32	.....	138.84
20	138.10	137.95	138.06	138.37	.....	138.40
21	138.10	137.98	138.08	138.35	.....	138.35
22	138.05	138.00	138.07	138.23	.....	138.33
23	138.04	137.97	138.02	138.25	.....	138.33
24	138.00	137.92	138.02	138.30	138.51	138.38
25	138.00	137.90	138.01	138.42	.....	138.28
26	137.95	137.94	138.11	138.35	.....	138.63
27	.....	137.83	138.05	138.23	.....	138.63
28	137.95	137.97	138.08	138.25	138.68	138.63
29	137.90	137.98	138.10	.....	138.69	138.44
30	137.95	137.99	138.15	.....	138.69	138.39
31	137.95	137.96	.....	.....	138.71	138.39

(D-1-1)19bbal(*840,p.591; 845,p.633; 886,p.863; *910,p.123; 940,p.84). State claim 13468. Salt Lake County Hospital. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	10.50	Apr. 8	15.90	June 4	9.90	Aug. 27	6.45
23	12.90	15	11.56	10	10.15	Sept.11	7.00
Feb. 5	13.20	22	12.30	17	10.85	30	8.15
25	13.00	29	13.55	24	7.15	Oct. 15	11.20
Mar. 7	12.90	May 6	13.71	July 17	9.25	30	12.35
19	13.60	13	12.95	30	6.15	Nov. 25	13.50
26	13.40	20	12.90	Aug. 12	7.50	Dec. 11	13.45
Apr. 1	14.60	27	10.45				

(D-1-1)20cdc4(*840,p.591; 845,p.633; 886,p.863; 910,p.123; 940,p.84). Louis Lund. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Jan. 10	3.50	Apr. 10	3.90	July 2	2.40	Oct. 17	3.70
22	3.90	29	3.90	31	2.17	30	3.70
Feb. 7	4.20	May 11	3.85	Aug. 12	2.21	Nov. 13	4.50
19	3.90	23	3.65	27	2.10	25	4.50
Mar. 7	3.80	June 9	3.50	Sept.16	2.87	Dec. 12	4.30
25	4.20	16	2.80	30	2.55		

Salt Lake County--Continued

(D-1-1)2laccl(*817,p.440; *840,p.591; 845,p.633; 886,p.863; *910,p.123; 940,p.84). State claim 33. Utah State Prison.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	73.02	Apr. 7	73.77	June 9	71.85	Sept.16	71.17
20	72.25	14	75.94	16	71.60	30	70.27
Feb. 10	74.07	21	70.97	23	71.37	Oct. 16	70.40
25	74.29	May 5	71.98	July 16	71.60	Nov. 2	70.56
Mar. 10	74.57	12	72.00	23	71.37	16	72.90
17	74.65	26	72.79	Aug. 13	69.40	30	71.32
25	74.79	June 2	71.90	27	70.70	Dec. 17	71.42
31	74.75						

(D-1-1)30bbc9(*840,p.592; 845,p.633; 886,p.863; 910,p.123; 940,p.84). L. W. Amodt. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Jan. 10	12.25	Apr. 28	14.00	July 30	2.90	Sept.30	6.20
23	12.40	May 6	14.40	Aug. 12	4.95	Oct. 15	10.80
Feb. 5	13.45	23	11.00	28	3.35	30	12.10
26	13.30	June 12	7.50	Sept.17	6.70	Nov. 14	13.00
Mar. 25	14.25	29	6.35	25	6.80	Dec. 12	13.20
Apr. 6	14.60						

(D-1-1)31caaa2(*840,p.592; 845,p.634; 886,p.863; *910,p.124; 940,p.84). State claim 4120. William Sorenson. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Jan. 10	12.00	Mar. 9	13.40	May 11	12.70	Sept. 3	7.30
22	12.20	23	14.00	28	11.40	Oct. 5	10.20
Feb. 5	13.65	Apr. 10	13.00	July 2	6.50	Nov. 13	13.70
21	13.20	29	13.80	Aug. 7	6.10		

(D-2-1)4dbd4(*777,p.246; *817,p.442; *840,p.592; 845,p.634; 886,p.864; 910,p.124; 940,p.85). Eugene Templeman. Measurements by Salt Lake City Corporation.

Water level, in feet with reference to measuring point, 1942

Jan. 6	+1.60	Mar. 25	+0.33	July 3	+3.17	Oct. 7	+5.08
13	+1.58	Apr. 6	+.10	10	+3.90	17	+4.90
20	+.83	15	-.15	18	+4.25	28	+4.75
27	+.95	25	+.08	28	+4.60	Nov. 4	+4.65
Feb. 5	+1.30	29	+.35	Aug. 6	+4.67	9	+4.50
10	+1.00	May 8	+.56	18	+5.25	23	+4.20
18	+.73	16	+1.00	28	+5.20	28	+4.25
25	+.75	28	+1.00	Sept. 5	+5.00	Dec. 9	+3.75
Mar. 3	+.58	June 4	+1.40	14	+5.05	15	+3.50
11	+.90	13	+1.93	24	+5.10	31	+3.21
17	+.58	27	+3.01	28	+5.20		

(D-2-1)5aaal(*840,p.593; 845,p.634; 886,p.864; *910,p.124; 940,p.85). State claim 6685. M. L. Davis. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1942

Jan. 9	1.44	Mar. 25	1.75	May 23	1.67	Sept. 5	0.20
23	1.37	Apr. 8	1.80	June 16	1.20	Oct. 14	1.90
Feb. 7	1.87	23	1.29	July 3	.58	Nov. 13	2.75
18	1.75	May 8	1.79	Aug. 10	.10	Dec. 17	2.85
Mar. 7	1.75						

Salt Lake County--Continued

(D-2-1)7bcdl (*777, p. 247; *817, p. 442; *840, p. 593; 845, p. 635; 886, p. 864; *910, p. 124; 940, p. 85). State claim 1530. American Smelting & Refining Co.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.6	21.7	22.0	22.1	20.9	....	18.4	17.0	17.0	17.7	20.8	21.0
2	22.3	21.7	22.0	22.0	21.2	19.5	17.8	17.2	16.9	18.2	20.6	21.1
3	21.5	21.7	21.6	22.1	21.0	19.5	17.5	17.4	17.0	18.4	20.1	21.1
4	21.0	21.7	....	22.0	21.0	19.5	17.4	17.1	17.0	18.3	19.7	21.0
5	21.5	21.6	....	22.0	21.0	19.3	17.7	17.1	16.7	19.0	19.7	21.5
6	21.5	21.9	21.6	21.7	....	....	17.2	16.9	17.0	19.2	20.4	21.0
7	21.5	22.0	21.0	22.3	....	....	17.2	16.8	17.2	19.3	20.7	21.0
8	21.5	21.7	....	22.4	....	19.2	17.0	16.8	17.0	19.2	20.9	21.1
9	21.5	21.6	21.6	22.2	....	19.5	17.0	17.0	17.0	19.1	20.8	21.0
10	21.5	21.7	21.9	21.6	....	20.0	17.1	17.4	16.8	19.1	21.0	20.8
11	21.4	....	21.7	21.1	....	19.5	17.2	17.1	17.1	19.0	20.8	20.9
12	21.3	....	21.7	....	20.6	19.5	17.0	....	17.2	19.3	20.7	20.9
13	21.5	....	22.0	....	20.6	19.6	16.6	....	17.7	19.7	21.0	20.7
14	24.0	....	22.1	21.2	20.8	19.4	17.0	....	18.0	20.0	21.0	20.6
15	24.0	....	22.0	21.1	21.0	18.8	17.0	....	17.9	20.0	21.0	20.6
16	24.5	....	21.7	21.3	20.9	19.0	17.5	....	18.1	20.0	21.0	20.7
17	23.1	22.0	22.0	21.0	20.8	18.2	17.7	....	18.1	20.2	21.0	20.7
18	21.5	21.5	21.9	21.0	20.8	18.2	18.4	....	18.0	20.0	20.9	20.8
19	21.4	21.0	21.7	21.2	20.7	18.5	18.6	....	18.1	20.2	20.8	20.9
20	20.5	21.0	21.6	21.1	20.3	18.4	18.4	....	18.3	20.2	20.9	20.7
21	24.0	22.6	21.7	20.5	20.1	18.5	17.7	....	18.4	20.4	20.9	20.7
22	22.5	20.0	21.8	20.5	20.5	18.5	17.5	....	18.5	20.6	20.8	20.9
23	24.5	17.5	21.9	....	20.2	18.2	17.5	....	18.2	20.7	20.8	20.9
24	22.5	20.0	22.0	....	19.2	17.8	17.5	....	18.0	20.7	21.0	20.8
25	21.4	22.0	21.8	....	19.9	18.0	....	....	18.4	21.0	21.0	20.8
26	21.3	22.0	21.7	....	19.0	18.0	....	17.4	18.4	20.6	20.8	20.8
27	21.5	....	22.2	....	....	18.2	....	16.8	17.7	20.7	21.0	....
28	21.5	21.5	22.0	20.9	....	19.4	17.9	16.8	17.8	20.7	21.0	20.7
29	21.5	....	22.0	20.7	....	18.8	17.8	16.7	....	20.7	21.0	20.9
30	21.6	....	22.0	20.3	....	18.3	17.5	16.8	18.0	20.8	....	20.9
31	21.7	....	22.0	....	....	....	17.5	17.2	....	20.7	....	21.0

(D-2-1)8ada3 (*777, p. 248; *817, p. 442; *840, p. 594; 845, p. 635; 886, p. 865; 910, p. 125; 940, p. 86). Listed as (D-2-1)8ad in Water-Supply Papers 777 and 817. State claim 9757. Chester Cahoon.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	10.9	10.9	10.2	9.8	10.1	10.5	a3.0	a2.5	a3.0	11.1	10.7
2	....	10.8	10.9	10.0	9.8	10.3	a3.6	9.7	a2.2	a3.2	11.1	10.7
3	....	10.8	10.8	10.2	10.0	10.2	a4.1	a3.1	a2.5	a3.5	11.2	10.5
4	....	10.8	10.9	10.4	9.8	9.7	10.4	a2.7	a2.6	10.0	11.0	10.6
5	....	11.0	10.9	10.1	10.5	10.1	10.7	a2.8	a2.9	a5.8	10.8	10.7
6	10.4	11.0	10.9	10.1	10.7	10.4	a3.6	a2.9	a4.8	a3.6	10.9	10.6
7	10.6	11.4	11.0	10.1	10.8	9.7	a3.3	a2.8	a3.0	a4.6	10.9	10.6
8	10.7	10.8	11.0	10.0	11.0	10.6	a3.9	a2.6	a2.5	a3.8	10.9	10.7
9	10.7	10.7	11.1	....	11.2	10.9	a7.0	9.4	a2.6	a3.5	10.8	10.6
10	10.6	10.8	11.0	9.7	10.8	10.8	10.5	a2.6	a2.6	a3.7	10.8	10.6
11	10.5	10.7	11.0	10.0	10.6	10.6	a7.5	a2.5	a2.6	10.5	10.9	9.4
12	10.4	....	11.1	9.9	10.6	10.6	10.5	9.5	9.2	10.6	10.8	9.3
13	10.4	....	11.0	9.8	10.6	10.8	a3.7	a2.9	9.4	10.3	10.9	9.3
14	10.3	10.8	11.1	9.9	10.7	10.8	a5.9	a2.9	a3.0	10.4	11.0	9.2
15	10.3	....	11.0	9.6	11.0	10.7	a7.7	a7.7	a7.2	10.5	10.9	9.2
16	10.6	....	11.0	9.8	10.7	10.5	10.3	a2.9	a2.8	10.8	10.8	a8.6
17	10.7	10.5	10.9	9.9	10.8	10.2	10.7	a2.7	a2.6	a8.2	10.9	a8.6
18	10.6	10.5	10.9	9.7	10.8	10.3	10.9	a2.5	a2.4	10.9	11.0	10.2
19	10.3	10.5	10.9	10.0	10.9	10.5	10.9	a2.4	a2.7	10.8	10.7	10.2
20	10.4	10.7	10.9	10.0	10.8	10.5	a6.0	a2.5	9.1	11.2	10.8	10.2
21	10.4	10.8	11.0	10.1	10.9	10.4	a3.8	a2.6	a2.7	11.1	10.8	10.2
22	10.6	11.0	11.2	10.0	11.2	a4.7	a8.8	a2.9	a2.8	11.1	10.7	10.3
23	....	10.8	11.2	9.5	11.2	10.5	a3.6	9.1	a2.6	11.1	10.7	10.2

a Adjacent well flowing.

Salt Lake County--Continued

(D-2-1)8ada3(*777,p.248; *817,p.442; *840,p.594; 845,p.635; 886,p.865; 910,p.125; 940,p.86). Chester Cahoon--Continued.

Water level at noon, in feet above measuring point, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
24	....	10.8	11.1	9.8	11.0	10.4	10.4	a2.7	a2.8	11.2	10.7	10.2
25	....	10.8	10.9	9.9	....	10.7	a4.0	a2.5	a3.0	11.1	10.7	10.2
26	....	10.8	10.8	10.0	10.6	10.2	10.5	a3.0	a3.7	10.8	10.6	10.2
27	11.0	11.0	10.9	9.8	9.9	10.7	a3.8	a2.6	a3.5	11.2	10.7	10.1
28	10.9	11.0	11.0	9.8	9.9	10.7	a3.4	a3.1	a3.1	11.1	10.8	10.1
29	10.8	....	11.0	9.6	10.0	a4.8	a2.8	a3.3	a3.0	11.0	10.7	10.2
30	10.9	....	11.0	9.7	10.0	a7.5	a2.9	8.9	a3.0	11.0	10.8	10.2
31	10.9	....	10.1	....	10.1	....	a2.7	a2.7	....	11.0	....	10.1

(D-2-1)8bbbl(*817,p.443; *840,p.595; 845,p.636; 886,p.666; *910,p.126; 940,p.86). State claim 218. A. B. and T. E. Hogge.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	0.82	Mar. 20	1.02	Aug. 6	3.90	Oct. 14	0.95
23	.88	June 13	1.00	14	2.55	28	.95
Feb. 5	.91	July 3	2.20	29	3.30	Nov. 12	.90
18	.86	9	2.50	Sept.10	3.30	25	.75
Mar. 5	.87	22	1.50	28	1.56	Dec. 9	.25

(D-2-1)15accl(*840,p.595; 845,p.637; 886,p.866; 910,p.127; 940,p.87). M. A. Keyser.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	66.87	68.38	68.87	69.44	67.16	64.21	59.35	57.64	59.03	60.83	62.79	65.18
2	66.95	68.38	68.87	69.44	67.06	63.82	59.35	57.64	59.13	60.87	62.80	65.24
3	66.94	68.40	68.77	69.42	67.06	63.82	59.29	57.63	59.13	60.91	62.78	65.24
4	67.06	68.40	68.94	69.24	66.73	63.77	59.18	57.60	59.13	60.99	63.11	65.24
5	67.07	68.40	68.94	69.24	66.78	63.54	59.06	57.60	59.23	60.99	63.20	65.35
6	67.03	68.48	68.78	69.25	66.69	63.30	58.99	57.60	59.30	60.99	63.27	65.35
7	67.04	68.49	69.09	69.28	66.49	62.96	58.78	57.63	59.33	61.02	63.35	65.51
8	67.04	68.50	69.10	69.28	66.36	62.81	58.79	57.63	59.39	61.13	63.37	65.60
9	67.20	68.51	69.10	69.25	66.25	62.65	58.79	57.63	59.40	61.23	63.60	65.66
10	67.25	68.67	69.12	69.25	66.13	62.56	58.72	57.68	59.55	61.23	63.70	65.76
11	67.26	68.64	69.11	69.17	66.03	62.40	58.56	57.82	59.62	61.24	63.78	65.88
12	67.28	68.50	69.11	69.07	65.93	62.28	58.52	57.87	59.73	61.21	63.78	65.89
13	67.38	68.58	69.13	69.02	65.93	61.97	58.47	57.89	59.73	61.29	63.79	65.89
14	67.39	68.58	69.30	68.67	65.93	61.68	58.46	57.91	59.73	61.42	63.79	66.05
15	67.40	68.62	69.31	68.75	65.74	61.50	58.46	57.93	59.73	61.42	63.69	66.10
16	67.40	68.63	69.50	68.75	65.57	61.50	58.38	57.95	59.80	61.47	64.09	66.15
17	67.53	68.88	69.67	68.49	65.60	61.35	58.23	57.97	59.80	61.59	64.10	66.15
18	67.67	68.87	69.57	68.46	65.60	61.12	58.22	57.99	60.09	61.62	64.23	66.15
19	67.79	68.82	69.54	68.46	65.59	61.07	58.14	58.01	60.21	61.63	64.41	66.31
20	67.90	68.74	69.63	68.30	65.57	61.00	58.05	58.01	60.22	61.85	64.53	66.33
21	67.92	68.58	69.63	68.15	65.34	60.96	57.83	58.15	60.22	61.86	64.81	66.34
22	68.04	68.49	69.63	67.95	65.12	60.65	57.83	58.20	60.25	61.86	64.82	66.40
23	67.90	68.66	69.53	67.78	65.01	.....	57.83	58.28	60.31	61.86	64.82	66.41
24	67.94	68.52	69.38	67.83	65.01	.....	57.79	58.29	60.32	61.95	64.70	66.46
25	67.94	68.60	69.53	67.78	64.88	.....	57.73	58.38	60.33	61.97	64.86	66.54
26	68.12	68.77	69.60	67.77	64.73	.....	57.67	58.40	60.51	62.28	64.88	66.92
27	68.14	68.76	69.70	67.64	64.73	.....	57.65	58.49	60.56	62.24	64.88	66.98
28	68.14	68.76	69.70	67.25	64.59	.....	57.65	58.67	60.56	62.22	64.97	66.95
29	68.22	.....	69.69	67.25	64.57	.....	57.65	58.67	60.63	62.42	65.06	66.99
30	68.38	.....	68.61	67.25	64.57	.....	57.64	58.84	60.77	62.72	65.06	66.99
31	68.38	.....	69.55	.....	64.41	.....	57.64	58.89	.....	62.80	.....	67.00

(D-3-1)5cdcl(*817,p.444; 840,p.596; 845,p.637; 886,p.866; 910,p.127; 940.p.87). Sam Jones. Water levels, in feet below measuring point, 1942: Mar. 10, 9.68; Aug. 30, 5.49; Dec. 24, 7.71.

a Adjacent well flowing.

San Juan County

(D-32-23)36dcc. Frank Redd. Stock well, diameter 48 inches. Measuring point, top of wood clamps, 0.4 foot above land surface. Water level, in feet below measuring point, 1942: Nov. 5, 64.67.

(D-33-23)25aaa. Lloyd Hansen. Unused well, diameter 4 inches, depth 130 feet. Measuring point, top of casing, 2.2 feet above land surface. Water level, in feet below measuring point, 1942: Nov. 5, 32.

(D-36-22)27ddb1. M. F. Lyman. Unused well, diameter 5 inches, depth 26 feet. Measuring point, top of casing, 0.7 foot above land surface.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Nov. 6	18.67	Nov. 28	18.76	Dec. 28	19.60
10	18.86	Dec. 10	19.23		

(D-36-22)27ddb2. M. F. Lyman. Unused well, diameter 5 inches, depth 121 feet. Measuring point, top of casing, 0.7 foot above land surface.

Water level, in feet below measuring point, 1942

Nov. 6	51.96	Nov. 28	51.25	Dec. 28	51.62
10	51.95	Dec. 10	51.70		

(D-40-22)29bcc. F. A. Nielson. Irrigation well, diameter 96 inches, depth 12 feet. Measuring point, top of iron frame on concrete curb, level with land surface. Water level, in feet below measuring point, 1942: Nov. 6, 7.69.

Sanpete County

(C-18-1)13cc2(*817,p.409; 840,p.551; 845,p.637; 886,p.866; 910,p.127; 940,p.87). Arch Mellor. Water level, in feet above measuring point, 1942: Aug. 8, 8.9.

(C-19-1)23bcc1(*817,p.410; *840,p.552; *845,p.637; 886,p.866; *910,p.127; 940,p.87). State claim 1457. C. H. Beal. Water levels, in feet below measuring point, 1942: Mar. 18, 35.64; Aug. 10, 31.81; Dec. 20, 30.63.

(C-19-1)25cd2(*817,p.410; 840,p.552; 845,p.637; 886,p.866; 910,p.127; 940,p.87). W. J. Wintch and R. P. Dyreng. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 18, 2.45; Aug. 10, 3.05; Dec. 20, 2.85.

(D-14-2)13aa(*817,p.465; *840,p.607; 845,p.637; 886,p.866; 910,p.127; 940,p.87). Ernest Hansen. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 26, 18.6; Aug. 11, 19.7; Dec. 19, 17.4.

(D-14-3)33bcc1(*817,p.465; *840,p.607; 845,p.637; 886,p.867; *910,p.127; 940,p.87). Listed as (D-14-3)33bc in Water-Supply Paper 817. State claim 3708. Joseph Cloward. Well flowing prior to measurements. Water level, in feet above measuring point, 1942: Mar. 26, 6.5; Aug. 11, 6.4; Dec. 19, 6.5.

(D-15-3)8cda3(*840,p.607; 845,p.637; 886,p.867; *910,p.127; 940,p.87). State claim 13671. William Prestwick. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 26, 1.80; Aug. 11, 1.10; Dec. 19, 1.95.

(D-15-3)26ccc(*886,p.867; 910,p.127; 940,p.87). J. C. Christensen. Water levels, in feet below measuring point, 1942: Mar. 27, 8.34; Aug. 11, 8.46.

(D-15-3)28abal(*840,p.607; 845,p.638; 886,p.867; *910,p.127; 940,p.87). State claim 2100. Isaac Reynolds. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 2.88; Aug. 11, 1.80; Dec. 20, 2.45.

Sanpete County--Continued

(D-15-4)4ddal(*817,p.466;*840,p.607; 845,p.638; *886,p.867; 910,p.127; 940,p.88). State claim 3606. Twin Creek Irrigation Co. Water levels, in feet below measuring point, 1942: Mar. 26, 13.87; Aug. 11, 4.82; Dec. 20, 9.45.

(D-15-4)6adal(*840,p.608; 845,p.638; 886,p.867; *910,p.128; 940,p.88). State claims 3741 and 8279. W. H. Brinton. Water levels, in feet below measuring point, 1942: Mar. 26, 4.64; Aug. 11, 5.16; Dec. 20, 4.29.

(D-15-4)29bacl(*817,p.466; *840,p.608; 845,p.638; 886,p.867; *910,p.128; 940,p.88). Listed as (D-15-4)29ba in Water-Supply Paper 817. State claim 8276. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 27, 6.84; Aug. 11, 1.22; Dec. 20, 3.12.

(D-16-3)4aaal(*817,p.466; *840,p.608; 845,p.638; 886,p.868; *910,p.128; 940,p.88). Listed as (D-16-3)4aal in Water-Supply Paper 817. State claim 2252. J. F. Bagnall. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 6.7; Aug. 11, 4.6; Dec. 20, 6.2.

(D-16-3)14dcal(*845,p.638; 886,p.868; *910,p.128; 940,p.88). State claim 65. Chris Larsen. Water levels, in feet below measuring point, 1942: Mar. 27, 11.68; Aug. 11, 12.35; Dec. 20, 12.29.

(D-16-3)15acal(*845,p.638; 886,p.868; *910,p.128; 940,p.88). State claim 8492. Federal Land Bank. Water levels, in feet below measuring point, 1942: Mar. 27, 32.89; Aug. 11, 30.42.

(D-16-3)15adcl(*845,p.638; *886,p.868; *910,p.128; 940,p.88). State claim 12588. E. L. Davidson. Water levels, in feet below measuring point, 1942: Mar. 27, 53.98; Aug. 11, a/51.33; Dec. 20, 51.04.

(D-16-3)32ddc2(*817,p.471; *840,p.608; *845,p.639; 886,p.868; *910,p.128; 940,p.88). State claim 11676. George Beal.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.4	15.0	14.5	14.0	14.4	16.7	21.0	21.8	21.0	18.8	18.6	17.3
2	15.2	14.9	14.6	14.0	14.2	16.7	22.0	21.7	21.0	18.5	18.3	17.3
3	15.6	14.9	14.4	13.9	14.4	16.6	21.9	21.6	20.9	18.4	18.7	17.2
4	15.3	14.8	14.6	14.0	14.7	16.8	21.9	21.6	20.9	18.9	19.0	17.2
5	15.3	14.7	14.3	13.7	14.7	17.0	21.9	21.5	20.8	19.0	17.9	17.2
6	15.5	14.7	14.3	13.8	14.7	....	21.7	20.6	20.7	19.0	17.2	17.2
7	15.5	14.8	14.4	13.9	14.8	....	21.8	19.6	20.5	18.9	18.2	17.2
8	15.4	14.8	14.5	13.8	14.9	....	21.8	19.9	20.4	19.1	18.5	17.2
9	15.2	14.8	14.3	13.8	14.8	....	21.0	20.0	20.5	19.1	18.8	17.2
10	15.3	15.1	14.3	13.9	14.8	....	20.1	20.6	20.0	19.0	18.4	17.0
11	15.2	15.1	14.3	14.0	14.9	....	20.0	20.6	20.0	18.9	18.1	17.0
12	15.3	14.9	14.2	14.0	14.8	....	20.4	20.9	19.7	19.0	18.5	17.0
13	15.2	15.1	14.2	14.2	15.0	....	20.4	21.1	19.8	19.0	17.8	17.1
14	15.2	15.0	14.2	14.2	15.0	18.9	20.7	21.3	19.8	19.1	17.8	17.0
15	15.2	15.0	14.5	14.1	15.1	19.0	19.9	21.2	19.8	18.9	17.7	17.4
16	15.3	15.0	14.3	14.3	14.8	19.5	19.0	21.4	19.9	18.9	18.0	17.0
17	15.0	14.9	14.3	13.9	14.8	19.5	....	21.2	20.0	18.9	17.7	17.1
18	15.0	14.9	14.4	13.9	15.0	19.7	....	21.3	19.8	18.9	17.4	17.0
19	15.1	15.4	14.4	14.1	15.2	19.8	19.8	21.3	19.9	18.8	18.0	17.0
20	15.1	15.0	14.6	13.8	15.1	20.0	20.2	21.3	19.9	18.8	....	16.9
21	14.9	15.0	14.6	13.8	15.6	20.2	20.9	21.0	20.3	18.8	....	....
22	14.8	14.8	14.3	14.0	15.7	20.4	21.1	21.2	20.3	18.8	17.6	....
23	15.0	15.1	14.2	13.7	15.7	21.0	21.1	21.5	20.3	19.7	17.5	16.8
24	15.0	15.0	14.3	13.7	15.4	20.8	21.0	21.2	20.4	18.9	17.7	16.7
25	15.0	14.5	14.1	13.8	15.9	20.9	21.4	21.0	19.6	18.7	17.4	16.9
26	14.9	14.7	14.2	13.9	15.9	20.7	21.5	21.2	19.7	18.7	17.6	16.6
27	14.8	14.6	14.0	14.1	15.6	20.6	21.2	21.3	19.8	18.9	17.3	16.5
28	15.2	14.5	14.0	14.3	16.1	20.9	21.3	21.3	19.8	18.3	17.3	16.5
29	15.1	....	14.0	14.2	16.0	20.6	21.2	21.1	19.6	18.0	17.4	16.7
30	15.0	....	14.1	14.4	16.1	21.4	21.3	21.1	19.0	18.5	17.2	16.6
31	15.0	....	14.1	....	16.1	....	21.3	21.1	....	18.6	....	16.7

a Pump shut down 10 minutes.

Sanpete County--Continued

(D-16-3)33ccb1(*817,p.470; *840,p.609; 845,p.639; *886,p.869; *910,p.129; 940,p.88). Listed as (D-16-3)33cc in Water Supply Paper 817. State claim 7333. Chris Olsen.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	2.6	Apr. 8	3.7	July 26	0.3	Oct. 4	1.9
13	2.6	19	3.6	Aug. 2	.4	14	1.9
20	2.9	26	3.6	9	.4	23	2.0
Feb. 1	2.8	May 13	3.6	11	1.02	Nov. 2	2.1
10	3.01	27	3.0	16	1.3	9	2.1
19	3.22	June 5	1.0	24	1.6	21	2.2
Mar. 1	3.3	21	.3	30	1.7	29	2.7
8	3.4	28	.2	Sept. 6	1.9	Dec. 6	2.6
15	3.3	July 5	.2	13	1.8	14	2.6
22	3.5	12	.3	20	1.8	20	2.90
27	1.22	19	.3	27	1.9	22	2.90
Apr. 1	3.6						

(D-17-2)1bca2(*845,p.640; 886,p.869; *910,p.129; 940,p.89). Listed as (D-17-2)1bca1 in Water-Supply Paper 845. State claim 11528. G. A. Anderson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 5.3; Aug. 11, 5.9; Dec. 20, 5.5.

(D-17-2)36cbd1(*817,p.470; 840,p.609; *845,p.640; 886,p.869; 910,p.129; 940,p.89). G. B. Cox. Water levels, in feet above or below measuring point, 1942: Mar. 18, -0.02; Aug. 10, a/+6.4; Dec. 20, +2.4.

(D-17-3)4bcc1(*817,p.471; *840,p.609; *845,p.640; 886,p.869; *910,p.129; 940,p.89). Listed as (D-17-3)4bc in Water-Supply Paper 817. State application 11763. R. A. Olsen and others. Well flowing throughout 1942. Artesian pressure cannot be measured because of pump.

(D-17-3)6dba1(*817,p.474; *840,p.611; 845,p.641; *886,p.870; *910,p.130; 940,p.89). State claim 11431. Niels Christensen. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 6.3; Aug. 11, 8.2; Dec. 20, 6.5.

(D-17-3)8cdd1(*817,p.475; *840,p. 611; 845,p.641; 886,p.870; *910,p.130; 940,p.89). Listed as (D-17-3)8cd in Water-Supply Paper 817. State claim 10498. Stanley Nielsen. Flowing on Aug. 10 and Dec. 20, 1942.

(D-17-3)9cbd1(*817,p.475; *840,p.611; 845,p.641; *886,p.870; *910,p. 130; 940,p.89). State claims 4446 and 8260. S. E. Christensen. Water levels, in feet below measuring point, 1942: Mar. 18, 29.94; Aug. 10, 13.49; Dec. 20, 24.23.

(D-17-3)17adb1(*845,p.641; 886,p.871; *910,p.130; 940,p.89). State claim 8261. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 18, 40.22; Aug. 10, 24.84.

(D-17-3)30dbd1(*845,p.641; 886,p.871; *910,p.130; 940,p.89). State claim 2696. Earnest Monk. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 10, 13.3; Dec. 20, 12.2.

(D-18-2)1da(*817,p.475; 840,p.612; 845,p.642; 886,p.871; 910,p.130; 940,p.89). L. H. Hougaard. Water levels, in feet below measuring point, 1942: Mar. 18, 76.75; Aug. 10, 57.45; Dec. 20, 70.56.

(D-18-2)12bab1(*817,p.476; *840,p.612; *845,p.642; *886,p.871; *910, p. 131; 940,p.90). Listed as (D-18-2)12ba in Water-Supply Paper 817. State claim 13390. City of Manti. Water levels, in feet below measuring point, 1942: Mar. 18, 77.22; Dec. 20, 72.47.

(D-19-2)17aad1(*817,p.476; *840,p.612; *845,p.642; 886,p.871; *910, p. 131; 940,p.90). State claim 13462. W. G. Frischknecht. Water level, in feet below measuring point, 1942: Mar. 17, 3.17.

a Well flowing prior to measurement.

Sanpete County--Continued

(D-19-2)32aacl(*817,p.476; *840,p.612; 845,p.642; 886,p.872; *910,p.131; 940,p.90) State claim 11881. Mayfield Irrigation Co. Water level, in feet below measuring point, 1942: Aug. 8, 20.30.

(D-20-1)5bd(*886,p.872; 910,p.131; 940,p.90). Federal Land Bank. Water levels, in feet below measuring point, 1942: Mar. 18, 20.49; Aug. 10, 8.72; Dec. 20, 14.29.

(D-20-1)20aaal(*817,p.477; *840,p.613; *845,p.642; *886,p.872; *910, p. 131; 940,p.90). State claim 6356. Federal Land Bank. Water levels, in feet below measuring point, 1942: Mar. 18, 36.58; Aug. 10, 31.84; Dec. 20, 31.99.

Sevier County

(C-21-1)13bdal(*817,p.411; *840,p.553; 845,p.643; *886,p.872; *910,p.131; 940,p.90). Listed as (C-21-1)13bd in Water-Supply Paper 817. State claim 5817. Federal Land Bank. Water levels, in feet above measuring point, 1942: Mar. 17, a/4.2; Aug. 10, a/5.8; Dec. 20, a/5.1.

(C-21-1)27aadl(*817,p.411; *840,p.553; 845,p.643; 886,p.872; *910,p.131; 940,p.90). Listed as (C-21-1)27aa in Water-Supply Paper 817. State claim 8407. E. A. Thorsen. Water levels, in feet below measuring point, 1942: Mar. 18, 3.99; Aug. 10, 3.27; Dec. 20, 3.05.

(C-22-1)8bbdl(*817,p.413; 840,p.555; 845,p.643; 886,p.872; 910,p.131; *940,p.90). Max Curtis. Water levels, in feet below measuring point, 1942: Mar. 18, 25.83; Aug. 10, 25.44; Dec. 20, b/25.40.

(C-23-2)laacl(*817,p.413; *840,p.556; *845,p.643; *886,p.872; *910, p.131; 940,p.90). State claim 16479. U. S. Gypsum Co. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 18, 3.48; Aug. 10, 5.8; Dec. 20, 4.4.

(C-23-2)10bcdl(*940,p.90). State claim 2011. F. W. Cowley. Water level, in feet below measuring point, 1942: Mar. 18, 11.66.

(C-23-2)15bdd3(*817,p.413; *840,p.556; 845,p.643; *886,p.872; *910, p.132; 940,p.90). Listed as (C-23-2)15bd in Water-Supply Paper 817. State claim 1989. Sevier School District. Water levels, in feet above measuring point, 1942: Mar. 18, 7.9; Aug. 10, 9.3; Dec. 17, 9.45.

(C-23-2)15ccc(*840,p.556; 845,p.643; 886,p.873; 910,p.132; 940,p.91). Martha Avery.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	...	...	...	...	5.0	...	3.3	4.1	3.1	3.5	6.2	...
2	...	...	...	...	4.8	...	3.1	3.8	3.0	3.5	6.4	...
3	...	...	...	...	4.7	...	2.1	3.7	2.9	3.4	6.4	...
4	...	...	...	...	4.7	...	2.1	3.6	2.9	3.4	6.8	...
5	...	...	...	...	4.6	2.4	2.0	3.6	2.6	3.4	6.7	...
6	...	...	...	...	4.4	2.5	2.0	3.6	2.8	3.6	6.6	...
7	...	...	...	...	4.5	2.4	2.1	3.6	2.9	3.9	6.4	...
8	...	...	...	...	3.8	2.4	2.2	3.6	3.0	4.2	6.4	...
9	...	...	...	...	3.4	2.3	2.1	3.7	3.1	4.2	6.5	...
10	...	...	...	...	3.2	2.3	2.0	2.5	3.2	5.5	6.4	...
11	...	...	...	...	3.1	2.4	2.0	2.5	3.2	5.8	6.8	...
12	...	...	...	...	3.1	2.4	2.0	2.6	3.2	6.1	6.7	...
13	...	...	...	...	3.1	2.5	2.0	3.5	3.4	6.2	6.8	...
14	...	...	...	...	3.1	2.5	2.0	4.0	3.5	6.3	6.6	...
15	...	...	...	...	3.0	2.6	2.0	4.1	4.2	...	6.6	...
16	...	...	6.9	...	2.6	2.7	2.0	4.2	...	...	6.6	...
17	...	...	6.8	...	2.6	2.6	2.0	4.2	...	...	6.8	...
18	...	...	6.6	...	2.7	2.5	2.0	4.3	...	...	6.8	...
19	...	...	...	...	2.6	2.4	2.4	4.4	...	...	7.1	...
20	...	...	...	...	2.7	2.3	2.4	4.6	3.9	...	6.9	...
21	...	...	...	...	2.8	2.4	2.5	4.7	3.8	...	6.7	...
22	...	...	...	...	3.1	2.4	2.5	4.6	3.9	...	6.9	...

a Well flowing prior to measurements.
b Pump shut down 10 minutes prior to measurement.

Sevier County--Continued

(C-23-2)15ccc(*840,p.556; 845,p.643; 886,p.873; 910,p.132; 940,p.91). Martha Avery--Continued.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
23	...	...	...	4.4	2.9	...	2.7	4.6	4.1	...	...	...
24	...	...	...	3.5	3.5	...	2.9	4.6	4.5	...	...	...
25	...	...	...	3.4	...	...	3.1	3.9	4.5	...	...	...
26	...	...	...	3.2	...	...	3.5	3.5	4.5	6.4	...	...
27	...	...	...	3.2	...	...	4.0	3.5	4.7	6.4	...	...
28	...	...	...	3.3	...	...	4.3	3.4	5.0	6.4	...	...
29	...	...	...	3.4	...	3.5	4.4	3.2	5.1	6.3	...	...
30	...	...	...	4.5	...	3.2	4.6	3.0	3.5	6.2	...	...
31	...	...	...	...	...	...	3.9	3.1	...	6.1	...	...

(C-23-2)15dcb4(*817,p.414; *840,p.557; 845,p.644; 886,p.873; *910,p.132; 940,p.91). State claim 1969. F. M. Jackson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 18, 9.3; Aug. 10, 5.5; Dec. 20, 9.6.

(C-23-2)19dabl(*817,p.414; *840,p.557; *845,p.644; 886,p.873; *910, p. 132; 940,p.91). State claim 8447. William Hallows. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 18, 22.8; Aug. 10, 30.3; Dec. 20, 28.5.

(C-23-2)26cdbl(*817,p.414; *840,p.557; 845,p.644; 886,p.873; *910,p.132; 940,p.91). Listed as (C-23-2)26cd in Water-Supply Paper 817). State claim 323. N. C. Johnson. Water levels, in feet above measuring point, 1942: Mar. 18, 6.5; Aug. 9, a/4.3; Dec. 17, a/6.1

(C-23-2)31dcb2(*817,p. 414; *840,p.557; *845,p.644; 886,p.874; *910, p. 133; 940,p.91). Listed as (C-23-2)31dcb2 in Water-Supply Paper 910. State claim 3302. Pacific National Life Insurance Co. Water levels, in feet above measuring point, 1942: Mar. 17, 7.2; Aug. 10, 9.4; Dec. 17, 9.7.

(C-25-3)3bbdl(*817,p.415; *840,p.558; 845,p.644; 886,p.874; 910,p.133; 940,p.91). Listed as (C-25-3)3bb in Water-Supply Paper 817. Luther Winget. Water levels, in feet below measuring point, 1942: Mar. 17, 12.32; Aug. 8, 3.34; Dec. 17, 8.60.

(C-25-4)2db(*886,p.874; 910,p.133; 940,p.91). R. W. Pinney. Water levels, in feet below measuring point, 1942: Mar. 17, 51.08; Aug. 8, 46.16; Dec. 17, 47.56.

(C-26-1)23ddbl(*817,p.415; *840,p.558; 845,p.645; 886,p.874; *910,p.133; 940,p.91). State claim 12620. A. E. DeLange. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 9, 11.9; Dec. 18, 11.8.

(C-26-1)25accl(*817,p.416; *840,p.558; 845,p.645; 886,p.875; *910,p.133; 940,p.91). Listed as (C-26-1)25ac in Water-Supply Paper 817. State claim 3159. A. R. Brown. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 9, 11.6; Dec. 18, 11.9.

(C-26-1)35acdl(*817,p.416; *840,p.558; 845,p.645; 886,p.874; *910,p.133; 940,p.91). State claim 12713. Otto Erickson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 9, 5.8; Dec. 18, 5.3.

(D-25-1)31cbal(*817,p. 477; 840,p.613; 845,p.645; 886,p.874; 910,p.133; *940,p.91). Charles Burr. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 9, 1.30; Dec. 17, 1.80.

a Well flowing prior to measurements.

Summit County

(A-3-4)4 (*845, p. 645; *886, p. 875; 910, p. 133; 940, p. 92). Thomas Overd. Water levels, in feet below measuring point, 1942: Mar. 9, 6.06; Aug. 24, 3.78; Dec. 12, 4.53.

(D-1-4)18cc (*845, p. 645; *886, p. 875; *910, p. 133; 940, p. 92). Brooks and Gerber. Water level, in feet below measuring point, 1942: July 24, 88.96.

(D-1-4)31bdbl (*817, p. 442; *840, p. 592; 845, p. 645; *886, p. 875; 910, p. 134; 940, p. 92). Listed as (D-1-4)31bd in Water-Supply Paper 817. Theodore Johnson. Water levels, in feet below measuring point, 1942: Mar. 9, 11.79; July 24, 10.66; Oct. 21, 12.90; Dec. 12, 12.28.

(D-1-4)31dc (*940, p. 92). Unused well. Water levels, in feet below measuring point, 1942: July 24, 0.90; Oct. 21, 3.90; Dec. 12, 3.67.

(D-1-5)3ccbl (*845, p. 645; 886, p. 875; *910, p. 134; 940, p. 92). State claim 12256. Martin Larsen. Water levels, in feet below measuring point, 1942: Mar. 9, 25.22; July 24, 22.30; Oct. 21, 24.30; Dec. 13, 24.72.

(D-1-5)4cd (*845, p. 645; *886, p. 875; 910, p. 134; 940, p. 92). Joe Bean. Water levels, in feet below measuring point, 1942: Mar. 9, 9.30; July 24, 4.98; Oct. 21, 7.30; Dec. 13, 8.04.

(D-1-6)19dadl (*845, p. 646; *886, p. 875; 910, p. 134; 940, p. 92). State claim 3699. A. W. Frazier. Water levels, in feet below measuring point, 1942: Mar. 9, a/18.25; July 24, 1.88; Oct. 21, 10.21; Dec. 12, 14.56.

(D-1-6)29daa (*845, p. 646; 886, p. 875; *910, p. 134; 940, p. 92). State claim 12227. C. C. Mitchell. Water levels, in feet below measuring point, 1942: July 24, 6.79; Oct. 21, 15.52; Dec. 12, 18.98.

(D-2-6)5dbb (*845, p. 646; 886, p. 876; 910, p. 134; 940, p. 92). Burton Peterson. Water levels, in feet below measuring point, 1942: Mar. 9, 9.42; July 24, 3.98; Oct. 21, 6.28; Dec. 12, 7.75.

(D-2-6)8aaa (*845, p. 646; 886, p. 876; 910, p. 135; 940, p. 93). State claim 12248. Ed Rockhill. Water levels, in feet below measuring point, 1942: July 24, 4.64; Oct. 21, 9.76; Dec. 12, 11.61.

(D-2-6)17dac (*845, p. 646; *886, p. 876; 910, p. 135; 940, p. 93). Jack Wilsonhulme. Water levels, in feet below measuring point, 1942: Mar. 9, 13.38; July 24, 7.79; Oct. 21, 11.40; Dec. 12, 12.45.

(D-2-6)20ccc (*845, p. 647; 886, p. 876; 910, p. 135; 940, p. 93). State claim 12231. A. H. Padfield.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1941	b4.90	May 15, 1942	b4.52	Sept.14, 1942	b6.3
Dec. 15	b4.84	June 15	b4.10	Oct. 15	b7.07
Jan. 13, 1942	b5.35	July 15	b5.10	21	4.67
Feb. 16	b5.25	24	5.48	Nov. 16	b5.98
Mar. 16	b4.16	Aug. 15	b6.2	Dec. 12	4.85
Apr. 16	b5.00				

(D-2-6)28cccl (*845, p. 647; 886, p. 876; 910, p. 135; 940, p. 93). Lillian McNeil.

Water level, in feet below measuring point, 1941-42

Nov. 10, 1941	b24.00	Apr. 16, 1942	b26.66	Sept.14, 1942	b24.92
Dec. 15	b25.53	May 15	b28.20	Oct. 15	b23.30
Jan. 13, 1942	b28.5	June 15	b11.84	21	21.60
Feb. 16	b29.42	July 15	b15.40	Nov. 16	b26.42
Mar. 9	29.38	24	15.52	Dec. 12	27.34
16	b29.10	Aug. 15	b16.00		

a Water leaking into well from city water-supply pipe.
b Measurement by Provo River Water Commissioner.

Summit County--Continued

(D-2-6)28ddc(*845,p.647; 886,p.876; 910,p.136; *940,p.93). A. D. Prescott.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1941	a8.24	May 15, 1942	a14.53	Sept.15, 1942	a5.52
Dec. 15	a11.3	June 15	a1.26	Oct. 15	a7.33
Jan. 13, 1942	a16.10	July 15	a0.0	21	7.74
Feb. 16	a15.9	24	.28	Nov. 16	a10.32
Apr. 16	a14.32	Aug. 15	a2.06	Dec. 12	11.28

(D-2-6)33dad(*845,p.647; *886,p.876; 910,p.136; 940,p.93). Amos Prescott. All measurements by Provo River Water Commissioner.

Water level, in feet below measuring point, 1941-42

Nov. 10, 1941	44.40	Mar. 16, 1942	58.0	July 15, 1942	8.02
Dec. 15	49.36	Apr. 16	55.3	Aug. 15	27.5
Jan. 13, 1942	54.4	June 15	12.12	Sept.14	38.66

Tooele County - Rush Valley

(C-5-5)2bc(*817,p.403; 840,p.547; 845,p.681; 886,p.881; 910,p.140; 940, p.93). Alma Young. Water levels, in feet below measuring point, 1942: Mar. 23, 24.38; Oct. 20, 24.96; Dec. 19, 24.37.

(C-5-5)30bcb1(*845,p.651; 886,p.881; 910,p.140; 940,p.93). State claim 8286. Willard Sager. Water levels, in feet below measuring point, 1942: Mar. 23, 14.22; Oct. 20, 14.54; Dec. 19, 13.87.

(C-5-5)31db(*940,p.93). Water levels, in feet below measuring point, 1942: Mar. 23, 21.57; Oct. 20, 21.17; Dec. 19, 20.89.

(C-5-5)32adb(*940,p.93). Water levels, in feet below measuring point, 1942: Mar. 23, 31.76; Oct. 20, 33.52; Dec. 19, 32.06.

(C-5-6)25aaa1(*817,p.404; *840,p.548; 845,p.651; *886,p.881; *910,p.140; 940,p.93). State claim 8288. Willard Sager. Water levels, in feet below measuring point, 1942: Mar. 23, 17.99; Oct. 20, 19.12.

(C-6-5)26cb(*940,p.93). L. A. Stookey. Water level, in feet below measuring point, 1942: Oct. 20, b/13.5.

(C-7-5)4da(*940,p.94). Water level, in feet below measuring point, 1942: Mar. 23, 6.55.

(C-8-5)20dc(*940,p.94). Water levels, in feet below measuring point, 1942: Mar. 23, 10.64; Oct. 20, 11.34; Dec. 19, 11.09.

(C-8-5)30ccc(*940,p.94). State claim 1573. H. I. Yates. Water levels, in feet below measuring point, 1942: Mar. 23, 6.32; Oct. 20, 10.28; Dec. 19, 9.10.

(C-8-5)31aad(*940,p.94). D. J. Fredrickson. Water levels, in feet below measuring point, 1942: Mar. 23, 19.61; Oct. 20, 19.94; Dec. 19, 19.82.

(C-8-6)23cd(*940.p.94). Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Oct. 20, 0.75; Dec. 19, 0.75.

(C-8-6)26aaa1(*817,p.405; *840,p.548; 845,p.651; 886,p.881; *910,p.141; 940,p.94). Listed as (C-8-6)26aa in Water-Supply Paper 817. State claim 1415. J. E. Olson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Oct. 20, 17.9; Dec. 19, 22.2.

(C-9-5)6bca1(*817,p.405; *840,p.549; 845,p.651; *886,p.882; *910,p.141; 940,p.94). State claim 8285. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Oct. 20, 20.18; Dec. 19, 19.59.

a Measurement by Provo River Water Commissioner.
b Pumping.

Tooele County - Salt Lake Desert

(C-7-10)25cc(*886,p.882; *910,p.140; 940,p.94). Grazing Service, United States Department of Interior. No measurements in 1942.

(C-7-10)25c. Dugway Proving Ground. Domestic well, diameter 6 inches, depth 325 feet. Measuring point, top of concrete block, 1.0 foot above land surface. Water levels, in feet below measuring point, 1942: Sept. 30, 7.83.

Tooele County - Tooele Valley

(C-1-4)36 bcbl(*817,p.396; *840,p.543; 845,p.647; 886,p.877; 910,p.136; 940,p.95). State claim 13593. A. J. Williams.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	a11.8	Mar. 24	a11.6	June 23	a11.2	Dec. 15	12.15
Feb. 26	a10.7	May 21	a12.9	Aug. 14	12.15		

(C-2-4)1bccl(*940,p.95). Jesse Long.

Water level, in feet below measuring point, 1942

Jan. 27	36.72	Mar. 24	36.18	May 20	35.52	Aug. 14	33.70
Feb. 26	36.54	Apr. 24	35.87	June 23	34.80	Dec. 15	33.24

(C-2-4)2abal(*817,p.399; *840,p.544; 845,p.647; *886,p.877; *910,p.136; 940,p.95). State application 11962. B. N. Griffith. No measurements made in 1942. Measurements discontinued.

(C-2-4)2aba2(*840,p.544; 845,p.647; 886,p.877; 910,p.136; 940,p.95). State claim 6997. B. D. Davis. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Jan. 27, 5.2; May 21, 5.9; June 23, 6.5; Dec. 15, 6.3.

(C-2-4)2cccl(*940,p.96). Warren Garrard. Water levels, in feet below measuring point, 1942: Jan. 27, 16.17; Feb. 26, 15.74; Mar. 24, 13.24. Measurements discontinued.

(C-2-4)3dccl(*940,p.96). Nick Soter. Water levels, in feet below measuring point, 1942: May 20, 4.56; June 23, 4.50; Aug. 14, 3.39; Dec. 15, 2.52.

(C-2-4)16aad2(*940,p.96). State claim 14209. Utah Wool Pulling Co.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
May 21	8.17	Aug. 14	8.54	Dec. 15	7.66
June 23	7.72	Oct. 2	7.52		

(C-2-4)17dadl(*817,p.399; 840,p.544; 845,p.647; 886,p.877; *910,p.136; 940,p.96). E. J. Jeremy. Water levels, in feet above measuring point, 1942: Jan. 27, 21.2.

(C-2-4)19dbbl(*940,p.96). No measurements made in 1942. Measurements discontinued.

(C-2-4)22ccb3(*940,p.97). M. A. and E. S. Vorwaller. Water levels, in feet below measuring point, 1942: Jan. 27, 49.75; Feb. 25, 49.74; Mar. 24, 49.56. Measurements discontinued.

(C-2-4)27ccal(*940,p.97). State claim 901. No measurements made in 1942. Measurements discontinued.

(C-2-4)27ccbl(*940,p.97). State claim 902. V. J. Crocheron. a Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-2-4)27ccb1 (*940, p. 902). V. J. Crocheron--Continued.

Water level, in feet, with reference to measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	-0.02	Feb. 25	a+0.27	May 20	a-1.03	June 23	-1.64
27	a+.17	Mar. 23	a+.74	June 9	-1.40	Aug. 14	-1.76
Feb. 12	a+.29	Apr. 24	a-.24				

(C-2-4)28cdb1 (*840, p. 544; 845, p. 648; *886, p. 877; *910, p. 136; 940, p. 98). State claim 809. Batesville Ward. Measurements discontinued after Dec. 23, 1942.

Water level, in feet above measuring point, 1942

Jan. 13	a12.1	Feb. 26	12.6	Apr. 24	a9.4	Dec. 23	a12.8
27	12.8	Mar. 23	a13.0	May 21	a9.0		

(C-2-4)30ccb2 (*940, p. 99). No measurements made in 1942. Measurements discontinued.

(C-2-4)31acd1 (*940, p. 100). State claim 1047. Walters Bros. Water level, in feet above measuring point, 1942: Jan. 13, 4.1. Measurements discontinued.

(C-2-4)31acd2 (*940, p. 100). No measurements made in 1942. Measurements discontinued.

(C-2-4)31add4 (*940, p. 101). No measurements made in 1942. Measurements discontinued.

(C-2-4)31dad1 (*940, p. 102). State claim 6924. E. R. Nelson.

Water level, in feet above measuring point, 1942

Jan. 9	2.2	Mar. 23	5.3	May 21	3.5	Aug. 14	a2.83
13	4.5	Apr. 24	3.1	June 23	a2.8	Dec. 15	a6.7

(C-2-4)31dad2 (*940, p. 103). State application 14298. Utah Water Storage Commission.

Water level, in feet above measuring point, 1942

Jan. 9	3.11	Feb. 27	4.1	Apr. 24	4.3	June 8	4.35
13	3.32	Mar. 23	4.3	May 21	4.7	23	4.3
Feb. 2	3.68						

(C-2-4)31dbc6 (*940, p. 104). State claim 19253. Smith & Dillard.

Water level, in feet below measuring point, 1942

Jan. 9	9.95	Feb. 12	8.81	Apr. 24	9.01	June 23	8.94
13	9.56	27	8.95	May 21	8.77	Aug. 14	9.95
27	9.22	Mar. 23	8.66	June 8	8.92	Dec. 15	7.96

(C-2-4)31dbc7 (*940, p. 104). State claim 7035. Smith & Dillard.

Water level, in feet below measuring point, 1942

Jan. 9	3.05	Feb. 12	2.06	Apr. 24	2.08	June 23	1.98
13	2.69	27	1.96	May 21	1.81	Aug. 14	2.04
27	2.24	Mar. 23	1.72	June 8	1.95	Dec. 15	1.05

a Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-2-4)31ldcal. State claim 15160. State of Utah.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.98	4.14	4.01	3.81	3.83	....	3.89	3.84	3.78	3.64	3.40	3.09
2	4.96	4.12	3.94	3.82	3.88	3.79	3.87	3.83	3.78	3.67	3.41	3.04
3	4.92	....	4.00	3.79	3.84	....	3.87	3.82	3.78	3.67	3.34	3.00
4	4.97	....	4.02	3.78	3.84	....	3.88	3.82	3.78	3.68	3.43	2.95
5	4.96	....	3.94	3.81	3.87	3.83	3.88	3.84	3.79	3.66	3.42	2.97
6	....	....	3.90	3.79	3.79	3.81	3.86	3.84	3.79	3.63	3.40	2.94
7	....	....	3.93	3.81	3.69	3.79	3.87	3.84	3.76	3.61	3.39	2.95
8	....	....	3.89	3.80	3.67	3.84	3.89	3.82	3.74	3.63	3.33	2.77
9	4.96	4.00	3.83	3.79	3.63	3.81	3.91	3.82	3.73	3.63	3.39	2.72
10	5.05	....	3.83	3.79	3.67	3.83	3.90	3.83	3.75	3.59	3.38	....
11	4.64	3.97	3.81	3.78	3.63	3.84	3.91	3.85	3.76	3.59	3.37	....
12	4.70	3.96	3.82	3.78	3.68	3.88	3.90	3.83	3.77	....	3.34	....
13	4.68	3.98	3.78	3.82	3.70	3.86	3.91	3.82	3.74	....	3.32	2.58
14	4.50	4.01	3.81	3.80	3.69	3.85	3.91	3.81	3.73	....	3.24	2.48
15	4.44	4.02	3.80	3.87	3.61	3.84	3.90	3.82	3.73	....	3.24	2.48
16	4.39	4.02	3.83	3.90	3.67	3.87	3.89	3.80	3.70	....	3.26	2.45
17	4.40	....	3.83	3.86	3.67	3.87	3.87	3.79	3.70	....	3.22	2.39
18	4.39	....	3.76	3.96	3.66	3.85	3.87	3.79	3.77	3.54	3.20	2.38
19	4.39	....	....	3.91	3.69	3.86	3.86	3.79	3.79	3.50	3.23	2.40
20	4.37	4.02	....	3.90	3.67	3.88	3.87	3.79	3.75	3.52	3.26	2.35
21	4.34	3.96	....	3.88	3.64	3.88	3.87	3.80	3.75	3.50	3.29	2.34
22	4.30	3.93	....	3.82	3.60	3.98	3.87	3.81	3.73	3.44	3.24	2.30
23	4.31	4.02	3.72	3.87	3.61	3.86	3.87	3.80	3.72	3.44	3.19	2.23
24	4.29	3.94	3.61	3.87	3.78	3.83	3.86	3.77	3.70	3.45	3.13	2.24
25	4.25	3.99	3.73	3.87	3.75	3.82	3.84	3.77	3.69	3.48	3.19	2.21
26	4.26	3.98	3.88	3.86	3.79	3.88	3.83	3.78	3.71	3.46	3.15	2.35
27	4.20	3.96	3.87	3.84	3.83	3.90	3.85	3.76	3.68	3.42	3.09	2.31
28	4.17	3.99	3.84	3.81	3.81	3.91	3.85	3.77	3.66	3.40	3.12	2.22
29	4.19	....	3.84	3.85	3.83	3.92	3.84	3.76	3.66	3.42	3.11	2.23
30	4.20	....	3.83	3.87	3.83	3.91	3.83	3.80	3.69	3.47	3.08	2.18
31	4.18	....	3.80	....	3.82	....	3.83	3.80	....	3.45	....	2.16

(C-2-4)32addl(*940,p.105). State claim 1037. Atkin & Nix.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	19.72	Jan. 27	19.65	Feb. 25	19.42	Apr. 24	19.49
13	19.72	Feb. 12	19.46	Mar. 23	19.66	May 21	19.57

(C-2-4)32bccl(*817,p.399; *840,p.544; 845,p.648; *886,p.877; *910,p.137; 940,p.106). State claim 579. R. A. Fenton. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 13	12.5	Feb. 25	13.1	Apr. 24	12.2
27	12.8	Mar. 23	13.3	May 21	12.0

(C-2-4)33aac2(*817,p.399; *840,p.544; 845,p.648; 886,p.877; *910,p.137; *940,p.107). State claim 888. I. L. Clegg.

Water level, in feet below measuring point, 1942

Jan. 13	10.25	Feb. 24	9.47	Apr. 24	10.72
27	10.13	Mar. 24	9.29	May 20	11.44

(C-2-4)33abb2(*817,p.400; *840,p.545; 845,p.648; 886,p.878; *910,p.137; 940,p.107). State claim 806. L. T. Liddell.

Tooele County - Tooele Valley--Continued

(C-2-4)33abb2(*817,p.400; *840,p.545; 845,p.648; 886,p.878; *910,p.137; 940,p.107). L. T. Liddell--Continued.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	3.63	Apr. 5	4.75	July 5	0.83	Oct. 4	1.37
11	3.69	12	3.91	12	.95	11	1.50
17	3.74	19	3.80	19	1.00	18	1.68
24	3.85	26	2.58	26	1.08	Nov. 1	2.37
31	3.94	May 3	2.58	Aug. 2	.85	8	3.81
Feb. 7	4.04	9	2.17	9	1.02	15	4.04
14	4.06	16	2.44	16	.95	22	4.06
21	4.0	23	2.15	23	1.06	29	4.35
28	4.01	31	2.14	30	1.02	Dec. 2	6.00
Mar. 7	4.17	June 7	1.85	Sept. 5	1.10	13	6.12
15	4.44	14	1.52	13	1.12	20	6.31
22	4.58	20	1.42	20	1.12	27	6.17
29	4.63	28	.97	27	1.52		

(C-2-4)33abb4(*817,p.400; *840,p.545; 845,p.648; 886,p.878; 910,p.137; 940,p.107). State claim 808. L. T. Liddell.

Water level, in feet above measuring point, 1942

Jan. 3	7.37	Mar. 29	8.12	June 28	4.89	Sept.27	5.25
11	7.36	Apr. 5	8.19	July 5	4.02	Oct. 4	5.14
17	7.44	12	7.16	12	4.04	11	4.75
24	7.48	19	6.91	19	4.14	18	5.43
31	7.61	26	6.12	26	4.98	Nov. 1	5.81
Feb. 7	7.77	May 3	6.10	Aug. 2	4.83	8	7.52
14	7.70	9	5.67	9	4.89	15	7.72
21	7.63	16	5.81	16	4.44	22	7.75
28	7.61	23	5.65	23	4.85	29	7.95
Mar. 7	7.61	31	5.67	30	4.87	Dec. 2	9.39
15	7.95	June 7	5.46	Sept. 5	4.89	13	9.45
22	8.01	14	5.27	13	4.91	20	9.64
24	8.2	20	5.20	20	4.87	27	9.65

(C-2-4)33add1(*840,p.545; 845,p.649; 886,p.879; *910,p.138; 940,p.108). State claim 899. Ida L. Clegg.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	41.04	40.82	40.20	40.51	40.60	41.05	41.08	41.02	40.71	40.24	39.01
2	41.45	41.01	40.73	40.16	40.55	40.66	41.05	41.08	41.04	40.76	40.22	38.93
3	41.41	41.00	40.72	40.09	40.49	40.68	41.05	41.05	41.05	40.78	40.10	38.90
4	41.45	40.98	40.75	40.09	40.52	40.74	41.08	41.06	41.03	40.80	40.11	38.80
5	41.46	41.01	40.67	40.10	40.57	40.71	41.10	41.08	41.03	40.77	40.04	38.80
6	41.39	40.95	40.66	40.07	40.51	40.68	41.10	41.09	41.03	40.75	39.92	38.74
7	41.39	40.96	40.70	40.07	40.62	40.74	41.09	41.09	40.96	40.75	39.88	38.76
8	41.39	41.00	40.63	40.05	40.63	40.82	41.09	41.07	40.99	40.77	39.82	38.68
9	41.43	40.92	40.58	40.02	40.59	40.78	41.11	41.07	40.95	40.72	39.92	38.68
10	41.39	40.95	40.58	40.01	40.62	40.82	41.09	41.08	40.97	40.68	39.86	38.66
11	41.37	40.90	40.50	40.15	40.67	40.85	41.09	41.09	41.00	40.63	39.81	38.65
12	41.33	40.90	40.50	40.18	40.68	40.88	41.10	41.07	41.01	40.62	39.76	38.60
13	41.32	40.86	40.48	40.16	40.71	40.91	41.11	41.07	40.98	40.60	39.73	38.56
14	41.32	40.85	.....	40.14	40.71	40.88	41.13	41.05	40.96	40.62	39.65	38.58
15	41.28	40.88	40.45	40.23	40.63	40.87	41.15	41.07	40.93	40.58	39.66	38.57
16	41.25	40.88	40.48	40.16	40.66	40.92	41.10	41.06	40.90	40.58	39.65	38.55
17	41.26	40.97	40.41	40.14	40.61	40.87	41.13	41.02	40.89	40.58	39.59	38.49
18	41.27	40.95	40.43	40.25	40.61	40.85	41.14	41.03	41.00	40.55	39.57	38.45
19	41.26	40.93	40.41	40.19	40.66	40.87	41.12	41.05	41.01	.....	39.61	38.47
20	41.24	40.87	40.44	40.18	40.69	40.92	41.10	41.03	40.97	.....	39.64	38.33
21	41.20	40.81	40.40	40.18	40.67	40.96	41.10	41.04	40.97	.....	39.64	.....
22	41.19	40.80	40.33	40.25	40.63	40.94	41.12	41.05	40.93	.....	39.57	.....
23	41.20	40.87	40.30	40.40	40.63	40.91	41.10	41.04	40.90	.....	39.49	.....
24	41.17	40.76	40.24	40.43	40.66	40.92	41.09	41.01	40.88	.....	39.44a	38.25

a Tape measurement.

Tooele County - Tooele Valley--Continued

(C-2-4)33addl(*840,p.545; 845,p.649; 886,p.879; *910,p.138; 940,p.108). State claim 899. Ida L. Clegg--Continued.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
25	41.16	40.85	40.32	40.57	40.62	40.94	41.05	41.02	40.80	40.50	39.52	.....
26	41.15	40.83	40.35	40.49	40.68	41.00	41.03	41.03	40.80	40.43	39.43	.....
27	41.09	40.75	40.31	40.46	40.68	41.04	41.08	41.00	40.76	40.40	39.40	a38.24
28	41.08	40.80	40.26	40.45	40.67	41.06	41.08	41.02	40.76	40.38	39.35	.....
29	41.10	.....	40.26	40.56	40.72	41.08	41.03	41.02	40.75	40.37	39.36	.....
30	41.10	.....	40.24	40.53	40.73	41.08	41.06	41.05	40.79	40.40	39.30	.....
31	41.09	.....	40.20	.....	40.66	.....	41.05	41.04	.....	40.32	.....	.....

(C-2-4)33bcb2(*940,p.109). State claim 16796. Franklin Whitehouse.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 26	3.50	June 23	4.76	Dec. 15	2.06
May 21	4.06	Aug. 14	b4.98		

(C-2-5)5acc3(*940,p.109). A. Searle. Water levels, in feet below measuring point, 1942: May 21, 1.52; June 23, 1.65; Dec. 15, 2.22.

(C-2-5)19dccl(*840,p.546; *845,p.650; 886,p.879; 910,p.138; 940,p.110). G. L. Sutton. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Jan. 27, 3.91; Dec. 23, 3.00. Measurements discontinued.

(C-2-5)25aabl(*817,p.400; 840,p.546; 845,p.650; *886,p.879; *910,p.138; 940,p.111). State of Utah. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Jan. 27, 9.6; Dec. 23, 8.7. Measurements discontinued.

(C-2-5)27ccd3(*940,p.112). State claim 17008. Edwin Cassity.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	0.62	Mar. 23	0.68	June 10	0.36	Aug. 14	0.93
Feb. 12	.56	Apr. 24	.46	23	.46	Dec. 15	.91
26	.58	May 21	.44				

(C-2-5)29dccl(*840,p.546; *845,p.650; 886,p.880; *910,p.138; 940,p.112). State application 12227. J. R. Clark.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 31	25.1	May 20	25.0	Aug. 14	25.3
Apr. 24	25.2	June 23	25.3	Dec. 15	25.1

(C-2-5)29dcc5(*840,p.546; 845,p.650; 886,p.880; *910,p.139; 940,p.112). State claim 4672. J. R. Clark. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Mar. 31	14.3	May 20	14.5	Aug. 14	14.0
Apr. 24	14.3	June 23	14.4	Dec. 15	12.8

(C-2-5)31bbd3(*840,p.546; *845,p.650; *886,p.880; *910,p.139; 940,p.113). State claim 17112. Tony Castagno. Water levels, in feet above measuring point, 1942: Jan. 27, 15.2; Dec. 23, 15.95. Measurements discontinued.

(C-2-5)32caa2(*940,p.113). State claim 7091. J. A. Sloan. Well flowing prior to measurement. Water level, in feet above measuring point, 1942: Mar. 2, 3.5. Measurements discontinued.

a Tape measurement.
b Adjacent wells flowing.

Tooele County - Tooele Valley--Continued

(C-2-5)32daal(*817,p.400; *840,p.546; 845,p.650; 886,p.880; 910,p.139; *940,p.114). Listed as (C-2-5)32da in Water Supply Paper 817. State claim 7078. A. J. Frazer. Water level, in feet above measuring point, 1942: Jan. 27, 9.6. Measurements discontinued.

(C-2-5)34addl(*940,p.114). State application 13537. B. H. Woodward. Water levels, in feet above measuring point, 1942: Mar. 23, 8.5; May 21, 8.2; June 23, 7.9; Aug. 14, 8.4.

(C-2-5)35acdl(*940,p.115). A. G. Carlson. Measurements discontinued May 21.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 27	5.10	Feb. 27	5.03	Apr. 24	4.97
Feb. 12	5.05	Mar. 23	4.97	May 21	4.95

(C-2-5)36caal(*840,p.546; 845,p.650; 886,p.880; *910,p.139; 940,p.115). State claim 13692. J. A. and S. W. Smith.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	32.51	Mar. 23	32.32	June 8	32.11	Aug. 14	32.34
Feb. 12	32.44	Apr. 24	32.32	23	32.10	Dec. 15	32.23
27	32.41	May 21	32.21				

(C-2-6)23cbbl(*940,p.116). State claim 16776. C. H. Worthington.

Water level, in feet below measuring point, 1942

Mar. 23	3.49	May 20	3.32	June 23	3.25	Oct. 2	3.38
Apr. 24	3.40	June 10	3.26	Aug. 14	3.35	Dec. 15	3.32

(C-2-6)25cdc2(*817,p.401; *840,p.546; 845,p.651; 886,p.880; *910,p.139; 940,p.117). State claim 16. J. R. Clark. Water level, in feet above measuring point, 1942: Mar. 2, 12.1. Measurements discontinued.

(C-2-6)36baa8(*817,p.401; 840,p.547; 845,p.651; *886,p.880; 910,p.139; 940,p.118). State claim 16575. J. R. Clark. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Jan. 27, 3.15; Dec. 23, 3.55. Measurements discontinued.

(C-2-6)36bacl(*940,p.118). State application 12189. J. R. Clark.

Water level, in feet below measuring point, 1942

Jan. 27	22.31	Mar. 23	22.05	May 20	19.84	Aug. 14	21.01
Feb. 12	22.28	Apr. 24	20.88	June 10	20.21	Dec. 15	21.23
Mar. 2	22.19	May 6	20.41	23	19.90		

(C-2-6)36bda3(*940,p. 118). No measurements made in 1942. Measurements discontinued.

(C-2-6)36cddl(*840,p.547; 910,p.140; 940,p.118). E. C. Walk.

Water level, at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	80.99	80.93	80.93	80.07	78.47	77.52	77.20	77.96	79.02	.....	79.78	79.87
2	80.97	80.91	80.88	80.05	78.46	77.48	77.22	77.96	79.06	79.50	79.79	79.89
3	.....	80.92	80.89	80.00	78.37	.....	77.22	78.01	79.08	79.55	79.72	79.90
4	.....	80.91	80.89	79.99	.....	77.49	77.23	78.03	79.09	79.57	79.83	79.85
5	.....	80.93	80.85	80.01	.....	77.45	77.26	78.09	79.13	79.57	79.85	79.89
6	.....	80.88	80.87	80.01	78.32	77.40	77.27	78.20	79.17	79.56	79.85	79.84
7	.....	80.88	80.90	80.01	78.28	77.35	77.27	78.29	79.18	79.57	79.86	79.88
8	.....	80.91	80.90	79.99	78.24	77.29	77.31	78.30	79.20	79.60	79.84	79.84
9	.....	80.88	80.85	79.96	78.19	77.21	77.36	78.30	79.21	79.61	79.90	79.86
10	.....	80.90	80.85	79.92	78.21	77.15	77.37	78.39	79.22	79.61	79.90	.....
11	.....	80.86	80.80	79.88	78.09	77.13	77.41	78.44	79.25	79.59	79.90	.....
12	.....	80.86	80.81	79.84	78.05	77.11	77.42	78.45	79.24	79.60	79.88	.....
13	.....	80.86	80.78	79.70	.....	77.02	77.43	78.47	79.24	79.63	79.88	.....

Tooele County - Tooele Valley--Continued

(C-2-6)36cddl. E. C. Walk--Continued.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
14	.....	80.86	80.80	79.54	77.95	77.00	77.44	78.49	79.24	79.66	79.83	79.87
15	.....	80.85	80.82	79.46	77.86	76.97	77.47	78.53	79.25	79.67	79.88	79.86
16	.....	80.86	80.85	79.30	77.86	77.01	77.46	78.56	79.24	79.69	79.88	79.87
17	.....	80.93	80.78	79.20	77.82	77.02	77.50	78.59	79.29	79.70	79.86	79.87
18	80.83	80.91	80.75	79.18	77.79	77.00	77.54	78.63	79.34	79.70	79.87	79.89
19	80.85	80.91	80.68	.....	77.77	77.01	77.55	78.66	79.36	79.72	79.91	79.93
20	80.85	80.89	80.50	79.06	77.72	77.05	77.58	78.70	79.36	79.74	79.95	79.88
21	80.85	80.86	.....	79.03	77.69	77.07	77.62	78.75	79.37	79.74	79.96	79.92
22	80.86	80.85	.....	78.94	77.64	77.06	77.66	78.78	79.37	.....	79.94	79.89
23	80.89	80.92	.....	78.97	77.63	77.06	77.69	78.80	79.35	79.72	79.92	79.91
24	80.91	80.84	80.20	78.94	77.63	77.07	77.72	78.83	79.37	79.73	79.86	79.88
25	80.91	80.90	80.20	78.90	77.55	77.06	77.73	78.85	79.38	79.77	79.94	79.86
26	80.93	80.89	80.21	78.82	77.58	77.16	77.76	78.89	79.40	79.76	79.87	79.97
27	80.90	.....	80.18	78.71	77.52	77.22	77.81	78.89	79.40	79.74	79.83	79.94
28	80.91	80.92	80.16	78.64	77.56	77.20	77.83	78.93	79.40	79.74	79.86	79.82
29	80.92	.....	80.14	78.60	77.57	77.19	77.86	78.95	79.41	79.77	79.87	79.94
30	.....	.....	80.12	78.57	77.56	77.18	77.89	79.00	79.45	79.82	79.88	79.92
31	80.94	.....	80.04	.....	77.53	.....	77.91	79.01	.....	79.80	.....	79.95

(C-2-6)36dbal(*940,p.119). LeMoyne Rowberry.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	29.28	Apr. 24	27.46	May 21	25.86	Aug. 14	27.13
Feb. 12	29.21	May 6	26.30	June 10	25.75	Oct. 2	28.15
Mar. 2	29.11	14	26.26	23	25.54	Dec. 15	28.26
23	28.78						

(C-3-5)4bbbl(*940, p. 119). Stanley Stromberg.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	3.73	Mar. 23	4.09	June 10	4.24	Aug. 14	4.16
Feb. 12	3.75	Apr. 24	4.14	23	4.16	Dec. 15	4.13
Mar. 2	3.97	May 21	4.23				

(C-3-5)5babl(*840,p.547; 845,p.651; 886,p.881; *910,p.140; 940,p.120). State claim 15325. L. S. Tate. Measurements discontinued after Mar. 23, 1942.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 27	1.68	Feb. 12	1.78	Mar. 23	1.34
Feb. 2	1.63	Mar. 2	1.76		

(C-3-5)5bbl. State claim 15330. R. W. Brown. Stock well, diameter 1½ inches, depth 200 feet. Measuring point, rim of pitcher pump, 1.0 foot above land surface.

Water level, in feet, with reference to measuring point, 1942

May 6	-0.46	May 21	a+0.05	Aug. 14	a+0.03
14	-.07	June 23	a+.35	Dec. 15	-1.18

(C-3-5)6acbl(*940, p. 120). State claim 13584. L. W. Hale.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	40.12	Mar. 2	39.47	May 6	36.10	June 23	34.84
Feb. 2	40.00	23	39.34	14	36.20	Aug. 14	36.06
12	39.76	Apr. 24	37.38	21	35.96	Dec. 15	38.94

a Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-3-5)6ddal(*940,p.121). State claim 9952. Federal Land Bank.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	56.32	Mar. 2	55.14	May 6	54.68	June 23	53.45
Feb. 2	56.03	23	55.06	21	53.83	Aug. 14	53.93
12	55.64	Apr. 24	54.73	June 10	53.64	Dec. 15	55.90

Unitah County

U(B-1-1)2cac2(*817,p.477; 840,p.613; 845,p.652; 886,p.893; 910,p.141; 940,p.121). Jay Larsen. Water level, in feet below measuring point, 1942: Oct. 8, 17.92.

U(D-1-1)14bbcl(*817,p.479; *840,p.615; 845,p.652; *886,p.894; 910,p.141; 940,p.121). State claim 1868. George Hackford. Water levels, in feet below measuring point, 1942: Aug. 2, 10.55; Oct. 8, 11.29.

U(D-1-1)19cc(*817,p.479; 840,p.615; 845,p.652; 886,p.894; 910,p.141; 940,p.121). Bennett School. Water levels, in feet below measuring point, 1942: Aug. 2, 4.58; Oct. 8, 7.30.

U(D-1-1)23ab(*817,p.479; 840,p.615; 845,p.652; 886,p.894; 910,p.141; 940,p.121). Albert Daniels. Water levels, in feet below measuring point, 1942: Aug. 2, 11.10; Oct. 8, 19.11.

(D-3-21)17cdal(*817,p.445; *840,p.596; *845,p.652; *886,p.894; *910, p.141; 940,p.121). Listed as (D-3-21)17ac in Water-Supply Paper 840. State claim 6641. M. M. Bingham. Water levels, in feet above measuring point, 1942: Aug. 2, a/4.2; Oct. 9, a/3.8.

(D-3-21)30dc(*817,p.445; *840,p.596; 845,p.652; 886,p.894; 910,p.141; 940,p.121). State claim 2629. R. G. Alexander. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Aug. 2, 3.6; Oct. 9, 2.2.

(D-4-21)2bcdl(*886,p.894; 910,p.141; 940,p.121). Listed as (D-4-2) 2bcdl in Water-Supply Paper 940. Gibson Ranch Co. Water levels, in feet below measuring point, 1942: Aug. 2, 5.04; Oct. 9, 8.13.

(D-4-21)12accl(*886,p.894; 910,p.141; 940,p.121). Lonzo McCarl. Water levels, in feet below measuring point, 1942: Aug. 2, 4.38; Oct. 9, 8.44.

(D-4-21)15dddl(*886,p.894; 910,p.141; 940,p.121). Bill Hall. Water levels, in feet below measuring point, 1942: Aug. 2, 5.73; Oct. 9, 5.02.

(D-4-21)24dbbl(*886,p.894; 910,p.141; 940,p.121). State claim 6931. Peter Erickson. Water levels, in feet below measuring point, 1942: Aug. 2, 5.16; Oct. 9, 6.20.

(D-4-21)28daa(*817,p.845; *840,p.598; 845,p.652; 886,p.894; 910,p.141; 940,p.121). Drought Relief Administration. No measurements made in 1942.

Utah County - Cedar Valley

(C-6-2)29dccl(*817,p.404; 840,p.548; *845,p.652; *886,p.882; 910,p.141; 940,p.122). Henry Armstrong. Well flowing prior to measurement. Water level, in feet above measuring point, 1942: Dec. 19, 6.8.

(C-6-2)32baa2(*817,p.405; 840,p.548; *845,p.652; *886,p.882; *910,p.142; 940,p.122). State claim 17686. W. C. Thomas. Well flowing prior to measurement. Water level, in feet above measuring point, 1942: Dec. 19, 4.40.

a Well flowing prior to measurements.

Utah County - Goshen Valley

(C-9-1)26dcbl(*817,p.405; *840,p.548; *845,p.652; 886,p.882; 910,p.142; 940,p.122). State claim 17465. R. C. Lewis. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 11, 2.61; Dec. 26, 2.72.

(C-10-1)2aadl(*845,p.652; 886,p.882; 910,p.142; 940,p.122). State claim 5206. Albert Morgan. Water levels, in feet below measuring point, 1942: Mar. 11, 14.46; Dec. 26, 14.99.

(D-9-1)29cddl(*845,p.665; *886,p.893; 910,p.152; 940,p.122). Water levels, in feet below measuring point, 1942: Mar. 11, 27.72; Dec. 26, 26.59.

Utah County - Utah Lake Valley

(C-5-1)2daal-2-3(*910,p.141; 940,p.122). State claims 10922,10923, and 10924. O. J. Roberts.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 13	a18.75	Nov. 4	a19.00	Nov. 24	a19.06	Dec. 14	a18.72
Mar. 28	18.27	10	a18.96	Dec. 1	a19.07	19	a18.60
Apr. 1	a18.56	18	a19.26	7	a18.87	27	18.53
June 26	18.37						

(D-5-1)8aaal(*910,p.142; 940,p.122). State claim 11095. Lehi Irrigation Co. Water levels, in feet below measuring point, 1942: Mar. 28, 30.12; June 26, 35.07; Dec. 27, 29.94.

(D-5-1)9ccc3(*817,p.446; *840,p.596; *845,p.652; 886,p.882; 910,p.142; 940,p.122). State claim 16332. E. N.Webb. Water levels, in feet above measuring point, 1942: Mar. 28, 6.95; June 26, 2.13; Dec. 27, 6.08.

(D-5-1)9cdc2(*817,p.446; *840,p.598; 845,p.653; *886,p.882; 910,p.142; *940,p.122). State claim 10991. Lehi Irrigation Co. Water level, in feet above measuring point, 1942: Mar. 28, 41.9.

(D-5-1)9dbbl(*817.p.446; *840,p.598; 845,p.653; 886,p.882; 910,p.142; 940,p.122). Listed as (D-5-1)9db in Water-Supply Paper 817. State claim 11083. City of Lehi.

Water level, in feet below measuring point, 1942

Feb. 18	a7.67	Nov. 4	a5.90	Nov. 24	a6.95	Dec. 14	a6.78
Mar. 28	8.55	10	a5.96	Dec. 1	a7.2	19	a6.84
June 26	13.15	18	a6.90	7	a6.88	27	7.12

(D-5-1)14adbl(*840,p.598;845,p.653; 886,p.883; 910,p.142; 940,p.122). State claim 8371. Drought Relief Administration.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.46	.....	56.23	56.19	55.30	55.72	54.09	53.97	54.56	54.46	54.67	55.26
2	56.56	56.03	56.10	56.06	55.34	55.70	53.96	54.03	54.56	54.42	54.65	55.11
3	56.38	55.98	55.91	56.18	55.35	55.76	53.99	53.96	54.58	54.52	.....	55.24
4	56.66	55.96	56.15	56.04	55.12	55.91	54.04	54.07	54.63	54.59	54.64	55.13
5	56.71	56.05	56.03	55.95	55.39	55.84	54.07	54.20	54.67	54.62	54.76	.....
6	56.66	55.95	55.76	56.04	55.40	55.69	54.05	54.23	54.68	54.62	54.79	55.24
7	56.63	55.84	56.08	56.19	55.31	55.57	53.98	54.35	54.64	54.52	54.84	55.38
8	56.55	55.96	56.12	56.27	55.23	55.60	53.93	54.39	54.49	54.67	54.75	54.47
9	56.80	56.00	55.89	56.21	55.13	55.52	54.05	54.42	54.46	54.67	54.96	54.48
10	56.85	56.03	55.79	56.16	55.17	55.40	54.05	54.49	54.54	54.57	55.03	54.55
11	56.76	55.95	55.60	56.12	55.10	55.38	53.88	54.42	54.58	54.57	55.08	54.63
12	56.72	55.82	55.54	56.15	55.21	55.39	53.99	54.36	54.50	.....	55.01	54.66
13	56.67	55.78	55.67	.....	55.40	55.25	.....	54.38	54.35	.....	54.98	.....
14	56.75	55.71	55.64	55.96	55.51	55.11	54.19	54.42	54.34	54.57	54.71	55.70
15	56.63	55.70	55.60	56.21	55.29	54.87	53.99	54.57	54.30	54.53	54.49	55.75
16	56.44	55.70	55.80	56.11	55.43	54.84	53.92	54.43	54.15	54.57	54.79	55.59
17	56.57	55.94	56.00	55.82	55.52	54.81	53.88	54.53	54.08	54.66	54.82	55.57
18	.....	56.03	55.75	56.08	55.60	54.61	53.96	54.53	54.36	54.64	54.87	55.78

a Measurements by Utah State engineer.

Utah County - Utah Lake Valley--Continued

(D-5-1)14adb1(*840,p.598; 845,p.653; 886,p.883; 910,p.142; 940,p.122). State claim 8371. Drought Relief Administration--Continued.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	56.78	56.04	55.72	56.00	55.67	54.46	53.92	54.65	54.51	54.61	54.86	55.70
20	56.76	55.95	56.00	55.90	55.72	54.40	53.98	54.65	54.40	54.64	55.05	55.60
21	56.63	55.69	56.05	55.84	55.58	54.42	54.00	54.67	54.42	54.69	55.36	55.64
22	56.40	55.56	.....	55.50	55.45	54.28	54.07	54.64	54.38	54.46	55.34	55.67
23	56.41	56.01	55.75	55.47	55.43	54.13	54.08	54.55	54.30	54.41	55.23	55.54
24	56.42	55.83	55.58	55.52	55.61	54.14	54.21	54.40	54.26	54.52	54.98	55.48
25	56.28	55.86	55.77	55.44	.....	54.07	54.05	54.35	54.28	54.67	55.14	55.40
26	56.38	56.01	56.05	55.46	55.53	54.11	54.04	54.32	54.42	54.35	55.17	55.96
27	56.28	55.88	56.20	55.44	55.76	54.16	53.98	54.24	54.39	54.35	54.99	55.98
28	56.09	55.98	56.11	55.23	55.59	54.17	53.95	54.20	.....	54.28	55.07	55.78
29	56.15	.....	.....	55.26	55.77	54.23	53.86	54.18	54.42	54.45	55.13	55.69
30	56.31	.....	56.14	55.41	55.81	54.19	53.84	54.47	54.50	54.72	55.07	55.70
31	56.23	.....	56.19	.....	55.75	.....	53.91	54.49	.....	54.83	.....	55.67

(D-5-1)15bca1(*817,p.447; 840,p.599; 845,p.653; *886,p.883; 910,p.143; 940,p.123). State claim 5061. Eugene Briggs.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 28	33.7	Nov. 24	a34.1	Dec. 14	a34.1
June 26	32.8	Dec. 1	a33.9	21	a34.5
Nov. 18	a34.7	7	a34.3	27	33.3

(D-5-1)17adc5(*817,p.452; *840,p.599; 845,p.653; 886,p.883; 910,p.143; 940,p.123). State claim 11174. H. C. Comer.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 28	32.6	Nov. 10	a32.8	Dec. 1	a32.3	Dec. 14	a33.0
June 26	27.7	18	a33.0	7	a33.0	21	a33.2
Nov. 4	a32.7	24	a32.7				

(D-5-1)17add5(*817,p.451; *840,p.599; 845,p.653; 886,p.883; 910,p.143; 940,p.123). State claim 3628. M. S. Lott.

Water level, in feet above measuring point, 1942

Mar. 28	23.7	Nov. 10	a22.2	Dec. 1	a22.7	Dec. 14	a23.2
June 26	b13.7	18	a23.3	7	a23.3	21	a23.4
Nov. 4	a21.8	24	a23.0				

(D-5-1)18bcc1(*817,p.455; *840,p.599; 845,p.654; 886,p.883; 910,p.143; 940,p.123). State claim 3637. Aaron Evans. Measurements by Utah State engineer.

Water level, in feet above measuring point, 1942

Feb. 26	22.9	Sept. 5	13.6	Oct. 15	17.0	Nov. 18	20.2
Apr. 1	22.7	14	13.2	21	18.1	24	20.3
Aug. 10	14.1	21	13.6	Nov. 4	18.6	Dec. 1	20.0
17	14.2	Oct. 7	16.2	10	19.3	7	20.7

(D-5-1)20ab1(*817,p.457; *845,p.654; *886,p.883; 910,p.143; 940,p.123) State claim 6860. Jacob Cox.

Water level, in feet above measuring point, 1942

Feb. 27	a54.7	Oct. 14	a41.3	Dec. 1	a50.2	Dec. 23	a50.6
Mar. 28	54.2	Nov. 19	a49.8	8	a50.3	30	a51.0
June 26	47.2	25	a50.0	16	a50.4		

a Measurement by Utah State engineer.
b Well flowing prior to measurements.

Utah County - Utah Lake Valley--Continued

(D-5-1)20aba2(*817,p.456; *840,p.600; 845,p.654; 886,p.884; 910,p.143; 940,p.123). Listed as (D-5-1)20abl in Water-Supply Paper 817. State claim 6861. Jacob G. Cox.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	31.3	Feb. 8	31.8	Mar. 17	31.9	Apr. 23	29.5
2	31.5	9	32.3	18	31.7	24	30.0
3	31.5	10	32.3	19	31.7	25	30.0
4	31.0	11	32.1	20	31.9	26	30.2
5	31.0	12	32.1	21	31.7	27	30.0
6	31.0	13	32.4	22	31.8	28	29.7
7	31.0	14	32.4	23	31.8	29	29.5
8	31.0	15	32.1	24	31.9	30	30.1
9	30.9	16	32.1	25	31.7	May 1	30.6
10	30.9	17	31.9	26	31.6	2	30.7
11	30.7	18	31.7	27	31.7	3	30.8
12	30.9	19	31.5	28	31.7	4	30.7
13	30.9	20	31.3	29	31.6	5	30.5
14	31.2	21	31.4	30	31.7	6	30.4
15	31.2	22	31.4	31	31.8	7	30.2
16	31.0	23	31.1	Apr. 1	31.8	8	30.0
17	30.9	24	31.2	2	31.6	9	29.9
18	31.8	25	31.2	3	31.8	10	29.0
19	31.1	26	31.4	4	31.9	11	28.4
20	31.1	27	31.2	5	31.8	12	28.2
21	32.2	28	31.0	6	31.6	13	28.1
22	32.6	Mar. 1	30.8	7	31.7	14	28.6
23	32.8	2	30.7	8	31.5	15	28.2
25	32.7	3	30.8	9	31.4	16	27.8
26	33.0	4	30.6	10	31.4	17	28.6
27	32.3	5	30.6	11	31.3	18	29.4
28	31.8	6	30.8	12	31.4	19	29.1
29	31.8	7	30.8	13	31.3	20	28.9
30	31.5	8	30.6	14	31.3	21	28.5
31	32.0	9	31.2	15	30.8	22	29.0
Feb. 1	31.9	10	31.5	16	30.2	23	28.4
2	32.2	11	31.5	17	29.4	24	27.5
3	32.0	12	31.5	18	29.1	25	27.4
4	32.0	13	31.5	19	29.0	26	26.7
5	31.8	14	31.9	20	28.6	27	26.3
6	31.6	15	31.9	21	28.5	28	a25.8
7	32.0	16	31.8	22	29.0		

(D-5-1)23dab3(*910,p.144; 940,p.124). State claim 17954. City of American Fork. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 28, 20.2; June 26, 21.3; Dec. 27, 19.2.

(D-5-1)25dabl(*840,p.600; *845,p.655; 886,p.884; 910,p.144; 940,p.124). State application 11897. George Addy and others.

Water level, in feet above measuring point, 1942

Mar. 28	32.3	Sept. 5	b30.5	Oct. 21	b30.5	Dec. 2	b32.4
Apr. 28	b32.4	14	b31.2	Nov. 5	b31.3	8	b32.4
June 26	32.2	21	b31.7	11	b31.6	16	b32.3
Aug. 10	b30.0	Oct. 7	bc29.7	19	b32.1	22	b32.5
17	bc30.6	15	b30.2	25	b32.2	27	32.2
26	bc30.8						

a Recorder removed.
b Measurement by Utah State engineer.
c Well flowing prior to measurements.

Utah County - Utah Lake Valley--Continued

(D-5-2)18dcd1(*910,p.144; 940,p.124). State claim 1704. M. L. Ellis. Well found flowing Mar. 28, June 26, and Dec. 27, 1942.

(D-5-2)18dcd2(*910,p.144; 940,p.124). A. C. Christensen. Well flowing prior to measurements.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 28	2.05	Nov. 10	a3.1	Dec. 1	a3.3	Dec. 19	a3.5
June 26	4.42	18	a3.6	7	a3.6	27	2.38
Nov. 4	a3.2	24	a3.4	14	a3.5		

(D-5-2)29dba4(*817,p.459; *840,p.600; 845,p.655; 886,p.884; 910,p.144; 940,p.124). State claim 13150. Mark Richins.

Water level, in feet above measuring point, 1942

Mar. 19	b16.9	Sept.21	ab15.4	Nov. 4	ab16.3	Dec. 7	ab17.3
Apr. 2	a17.1	30	ab13.0	11	ab16.9	15	ab17.5
29	a17.8	Oct. 15	ab15.7	18	ab17.3	22	ab17.5
June 26	b15.1	24	b15.8	24	ab17.3	27	b16.5
Aug. 11	ab13.5	30	ab16.4	Dec. 1	ab17.2	29	a17.3
27	ab13.7						

(D-6-2)3bdd1(*840,p.600; *845,p.655; 886,p.884; 910,p.144; 940,p.124). State claim 1651. Pioneer Pumping Co. Water levels, in feet below measuring point, 1942: Mar. 19, 16.94; June 26, 0.86; Dec. 27, 10.11.

(D-6-2)4adc1(*845,p.655; *886,p.885; 910,p.144; 940,p.124). W. P. Kirk.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 19	38.27	Dec. 5	a27.63	Dec. 27	29.58
June 26	29.86	15	a27.2	29	a26.72
Nov. 27	a36.25	19	a27.0		

(D-6-2)6dcb1(*845,p.655; 886,p.885; 910,p.145; 940,p.124). State claim 12980. Utah Power & Light Co. Measurements discontinued July 17, 1942.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 19	ac35.6	June 9	33.4	June 22	33.9	July 5	34.1
28	c34.4	10	33.8	23	34.3	6	34.6
May 28	c33.3	11	33.5	24	34.0	7	34.9
29	33.0	12	33.5	25	33.8	8	34.8
30	33.0	13	33.6	26	33.9	9	34.2
31	33.1	14	34.0	27	34.2	10	34.3
June 1	33.4	15	34.0	28	34.0	11	33.9
2	33.5	16	33.8	29	34.1	12	34.2
3	33.7	17	33.6	30	34.1	13	34.3
4	33.9	18	33.6	July 1	34.2	14	34.3
5	33.9	19	33.5	2	34.1	15	34.4
6	33.8	20	33.9	3	34.1	16	34.3
7	33.5	21	33.8	4	33.9	17	34.4
8	33.0						

a Measurement by Utah State engineer.
b Well flowing prior to measurements.
c Gage measurement.

Utah County - Utah Lake Valley--Continued

(D-6-2)7dbc1(*840,p.601; 845,p.656; 886,p.885; 910,p.145; 940,p.124). State claim 3028. Jay Gillies.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20	ab25.0	June 6	23.5	June 16	23.5	Sept.22	ab26.7
28	b25.0	7	23.2	17	23.5	23	ab26.5
May 28	23.2	8	22.7	18	23.4	25	ab26.2
29	22.6	9	23.1	19	23.4	26	ab26.3
30	22.6	10	23.5	20	24.0	30	ab26.2
31	23.2	11	23.5	21	24.0	Oct. 5	ab24.4
June 1	23.4	12	23.5	22	23.8	9	ab24.6
2	23.2	13	23.6	Sept.17	ab26.5	12	ab25.8
3	23.5	14	23.9	18	ab26.6	15	ab26.6
4	23.6	15	24.0	21	ab26.6	23	ab27.0
5	23.6						

(D-6-2)10add1(*910,p.145; 940,p.124). State claim 3123. City of Orem. Water levels, in feet below measuring point, 1942: Mar. 19, 44.40; Dec. 27, 41.80.

(D-6-2)16bc(*845,p.656; 886,p.885; 910,p.145; 940,p.124). G. F. Wells. Water levels, in feet below measuring point, 1942: Mar. 28, 14.17; June 27, 14.37; Dec. 27, 11.63.

(D-6-2)16bcb1. State claim 11852. Alpine School District. (Measurements made on well (D-6-2)16cbc1, Frank Burningham, owner, were erroneously published in Water-Supply Papers 845, 886, 910, and 940 as for this well.) Used domestic well, diameter 3 inches, depth 318 feet. Measuring point, top of 2-inch coupling, 2.1 feet above land surface and 4552.10 feet above mean sea level. Measurements by Utah State engineer.

Water level, in feet above measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
Apr. 13, 1940	2.2	Aug. 21, 1942	5.2	Oct. 24, 1942	5.3
May 3	2.5	28	5.0	Nov. 3	5.0
Dec. 12, 1941	5.6	31	4.8	6	5.1
July 29, 1942	5.7	Sept. 2	4.9	12	5.3
30	5.8	10	4.3	16	5.4
Aug. 1	6.0	15	4.7	20	5.3
3	5.6	17	4.6	23	5.5
4	5.6	21	4.7	27	5.5
6	5.8	23	4.4	Dec. 4	5.5
11	5.7	25	4.6	8	5.6
13	5.4	26	4.5	14	5.6
14	5.3	Oct. 5	4.5	19	5.5
15	5.4	12	4.8	26	5.4
18	5.3	13	5.0		

(D-6-2)16cbc1(*845,p.657; 886,p. 886; 910,p.145; 940,p.124). Erroneously listed as (D-6-2)16bcb1 in Water-Supply Papers 845, 886, 910, and 940. Frank Burningham. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 28, 0.15; June 27, 0.2; Dec. 27, 2.55.

(D-6-2)17aba2(*845,p.657; 886,p.886; 910,p.146; 940,p.124). State claim 9004. J. J. Madsen, Jr. Well flowing prior to measurements. Water level, in feet above measuring point, 1942: Mar. 28, 1.48. Measurements discontinued.

(D-6-2)17ddd1(*845,p.657; 886,p.887; 910,p.146; 940,p.125). State claim 4814. Lawrence Kirk. Measurements by Utah State engineer.

a Measurements by Utah State engineer.
b Gage measurement.

Utah County - Utah Lake Valley--Continued

(D-6-2)17ddd1(*845,p.657; 886,p.887; 910,p.146; 940,p.125). State claim 4814. Lawrence Kirk--Continued.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 29	4.7	Aug. 6	a4.2	Aug. 21	3.0	Sept. 10	4.6
30	4.8	11	a3.9	31	3.8	15	4.6
Aug. 1	5.0	15	a4.3	Sept. 2	3.9	17	4.9
4	a4.4	Aug. 18	3.1				

(D-6-2)18add2(*845,p.657; 910,p.146; 940,p.125). State application 11747. J. L. Larson.

Water level, in feet above measuring point, 1942

Mar. 23	b18.2	Aug. 4	b14.7	Sept.23	b17.3	Nov. 30	b18.7
28	c17.6	6	b13.9	Oct. 6	b13.5	Dec. 4	b18.9
Apr. 30	17.4	11	b12.8	24	b17.6	10	b19.4
June 27	c15.1	18	b12.2	Nov. 7	b18.5	18	b19.6
July 29	b14.5	31	b15.6	16	b18.6	26	b19.8
30	b14.7	Sept.10	b15.4	23	b19.0	27	a18.7
Aug. 1	b14.5	17	b17.2				

(D-6-2)23bab(*845,p.658; *886,p.887; 910,p.146; 940,p.125). Elias Nielson. Water levels, in feet below measuring point, 1942: Mar. 28, 41.17; June 27, 33.45; Dec. 27, 36.52.

(D-6-2)24dac(*845,p.658; 886,p.887; 910,p.146; 940,p.125). Isaac Boyce. Water levels, in feet below measuring point, 1942: Mar. 28, 125.45; June 27, 121.79; Dec. 27, 123.01.

(D-6-2)28bad1(*817,p.460; *840,p.601; 845,p.659; 886,p.886; 910,p.147; 940,p.125). State claim 2087. Henry Williamson.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 28	12.6	Nov. 27	b14.0	Dec. 19	b14.5
June 27	11.2	Dec. 5	b13.8	26	13.5
Nov. 20	b13.6	11	b14.0	28	b14.1

(D-7-2)4cbd1(*840,p.601; 845,p.660; 886,p.888; 910,p.148; 940,p.125). State application 11794. Reed Knudsen.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 28	28.2	Sept.18	b25.9	Oct. 24	b26.9	Dec. 5	b28.3
June 27	23.3	25	b26.2	Nov. 6	b28.0	11	b28.6
Aug. 20	b23.5	Oct. 6	b26.0	14	b28.3	19	b28.9
Sept. 2	b23.3	12	b26.4	20	b28.5	27	27.6
12	b23.2	13	b26.5	27	b28.3	28	b28.8

a Well flowing prior to measurement.
b Measurement by Utah State engineer.

Utah County - Utah Lake Valley--Continued

(D-7-2)12bcb1(*817, p. 460; *840, p. 601; 845, p.661; 886,p.889; 910, p.149; 940,p.125). State claim 105. Provo City Corporation.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	26.4	Feb. 11	26.0	Mar. 18	26.2	Apr. 22	24.1
2	26.2	12	26.0	19	26.4	23	25.6
3	26.1	13	25.8	20	26.3	24	25.8
4	25.7	14	25.9	21	26.2	25	25.9
5	25.8	15	26.0	22	26.2	26	25.9
6	26.0	16	26.1	23	26.6	27	26.0
7	26.0	17	25.8	24	26.5	28	26.4
8	25.8	18	25.5	25	26.2	29	26.4
9	25.5	19	25.6	26	26.1	30	26.6
10	25.4	20	25.9	27	26.0	May 1	26.3
11	25.5	21	26.1	28	26.1	2	26.9
12	25.7	22	26.3	29	26.0	3	27.4
13	25.7	23	25.8	30	25.9	4	27.3
14	25.7	24	26.1	31	25.8	5	27.4
15	25.7	25	25.9	Apr. 1	25.7	6	27.6
16	25.8	26	25.7	2	25.8	7	27.3
17	25.8	27	25.9	3	25.9	8	27.2
18	25.8	28	26.1	4	25.8	9	26.9
19	25.8	Mar. 1	26.0	5	25.8	10	26.8
20	25.7	2	26.4	6	25.6	11	27.3
21	25.7	3	26.5	7	25.8	12	27.5
22	25.8	4	26.2	8	25.4	13	27.7
26	26.0	5	26.1	9	25.5	14	27.6
27	26.0	6	26.0	10	25.5	15	27.1
28	26.1	7	25.9	11	25.4	16	27.4
29	26.0	8	26.0	12	25.2	18	27.7
30	25.9	9	26.2	13	25.3	19	27.6
Feb. 2	26.3	10	26.1	14	25.6	20	27.5
3	26.2	11	26.2	15	25.8	21	27.4
4	26.0	12	26.3	16	25.8	22	27.2
5	26.0	13	26.3	17	25.7	23	26.7
6	26.1	14	26.3	18	25.9	24	26.3
7	26.2	15	26.2	19	25.9	25	26.9
8	26.2	16	26.0	20	25.6	26	a26.8
9	26.3	17	26.0	21	24.2	Dec. 27	b25.7
10	26.4						

(D-7-2)35ccd(*840,p.604; 845,p.662; 886,p.890; *910,p.149; 940,p.125). Listed as (D-7-2)34ccd in Water-Supply Paper 940. Angus Hales. Water levels, in feet above measuring point, 1942: Mar. 27, c/4.7; June 27, c/4.4; Dec. 26, c/3.9.

(D-7-2)36dcc2(*845,p.662;886, p.890;910,p.149; 940,p.126). H. H. Spatford. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 13.6; June 27, 12.1; Dec. 26, 13.4.

(D-7-3)28bac2(*845,p.662; 886,p.890; *910,p.150; 940,p.126). State claim 17329. C. O. Claudin. No measurements made in 1942. Measurements discontinued.

(D-7-3)28cdb1(*845,p.662; 886,p.890; 910,p.150; 940,p.126). State claim 111. W. M. Mower. No measurements made in 1942. Measurements discontinued.

(D-7-3)32bcc1(*840,p.604; 845,p.663; 886,p.891; 910,p.150; 940,p.126). State claim 8345. Drought Relief Administration. Water levels, in feet above measuring point, 1942: Mar. 27, 49.4; June 27, c/35.9; Dec. 26, 49.5.

a Recorder removed May 26, 1942.
b Gage measurement.
c Well flowing prior to measurements.

Utah County - Utah Lake Valley--Continued

(D-7-3)33baa6(*817,p.460; *840,p.605; *845,p.663; *886,p.891; 910,p.150; 940,p.126). State claim 7006. A. W. Finley. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 7.8; June 27, 11.4; Dec. 26, 10.3.

(D-7-3)33ccc5(*845,p.663; 886,p.891; 910,p.150; 940,p.126). State claim 17200. H. L. Vane. No measurements made in 1942. Measurements discontinued.

(D-8-1)13aaa1(*817,p.461; *840,p.605; *845,p.663; 886,p.891; 910,p.150; 940,p.126). State claim 14076. R. G. Francis. Water levels, in feet above measuring point, 1942: Feb. 3, a/14.00; Mar. 27, 14.6; June 27,10.4;Dec. 26, 12.4.

(D-8-1)25ccb1(*845,p.664; 886,p.891; *910,p.150; 940,p.126). State claim 11790. F. S. Hiatt. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 14.1; June 27, 13.3; Dec. 26, 11.3.

(D-8-2)4cba2(*840,p.605; 845,p.664; *886,p.891; 910,p.151; 940,p.126). State claim 10844. Mary Barney. Water levels, in feet above measuring point, 1942: Mar. 27, 26.0; June 27, 25.8; Dec. 26, 28.1.

(D-8-2)7ddd1(*845,p.664; 886,p.891; 910,p.151; 940,p.126). State claim 10762. A. H. Beers. Water levels, in feet above measuring point, 1942: Jan. 9, a/17.3; Mar. 27, b/17.65; June 27, b/15.2; Dec. 26, b/13.4.

(D-8-2)10bbd1(*910,p.151; 940,p.126). State claim 114. J. H. Roach. Well flowing prior to measurement. Water level, in feet above measuring point, 1942: Jan. 9, a/16.9.

(D-8-2)23dbd1(*817,p.461; *840,p. 605; 845,p.664; 886,p.892; 910,p.151; 940,p.126). State claim 13201. Utah-Idaho Sugar Co. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 19.7; June 27, 19.9; Dec. 26, 21.5.

(D-8-2)29add1(*910,p.152; 940,p.126). State application 11860. Reed Reynolds. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 27, 10.5; June 27, 10.2; Dec. 26, 10.4.

(D-8-3)4cad1(*817,p.462; *840,p.605; 845,p.664; 886,p.892; 910,p.152; 940,p.126). State application 11830. Eddington Canning Co. Water levels, in feet above measuring point, 1942: Mar. 27, 19.0; Dec. 26, 22.0.

(D-8-3)15ccb(*845,p.665; *886,p.892; 910,p.152; 940,p.126). E. Whitcomb. Water levels, in feet below measuring point, 1942: Mar. 19, 10.83; June 7, 7.10; Dec. 26, 10.09.

(D-9-1)1cbc2(*910,p.152; 940,p.126). State claim 8344. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Feb. 2, a/2.47;Mar. 27, 2.30; June 27, 2.02; Dec. 26, 2.62.

(D-9-1)2dda2(*886,p.892; *910,p.152; 940,p.126). State claim 19397. Clay Ashworth. Water levels, in feet below measuring point, 1942: Jan. 29, a/5.95;Mar. 27, 6.59; June 27, 6.13.

(D-9-1)25add1(*845,p.665; 886,p.893; 910,p.152; 940,p.126). State claim 8524. Federal Land Bank. Water level, in feet above measuring point, 1942: Feb. 2, a/4.6.

a Measurement by Utah State engineer.
b Well flowing prior to measurement.

Utah County - Utah Lake Valley--Continued

(D-9-2)5ddc2(*817,p.462; *840,p.606; 845,p.666; 886,p.893; 910,p.153; 940,p.127). State claim 1139. Payson City Corporation.

Water level at noon, in feet above measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.3	....	13.6	13.6	13.8	14.4	16.3	16.7	16.8	17.8	17.4	16.6
2	....	14.1	13.9	13.4	13.8	15.0	16.2	16.6	16.9	17.8	17.4	16.6
3	....	14.0	13.0	13.4	13.8	15.2	16.0	16.7	17.0	17.8	17.5	16.5
4	....	13.9	13.4	13.6	14.2	15.2	15.9	16.7	16.9	17.7	17.3	16.5
5	14.0	13.8	13.6	13.4	14.2	15.1	16.0	16.6	16.9	17.6	17.2	16.4
6	13.9	13.9	13.2	13.5	14.3	15.2	15.9	16.7	16.9	17.7	....	16.4
7	13.8	13.9	13.2	13.5	14.2	15.1	15.9	16.7	16.9	17.7	....	16.6
8	13.8	13.9	13.3	13.6	14.1	14.9	15.7	16.7	17.0	17.7	....	16.7
9	13.8	14.0	13.7	13.6	14.1	14.8	15.6	16.7	17.0	17.7	17.1	16.3
10	13.7	13.7	13.6	13.6	14.2	15.0	15.5	16.8	17.1	17.6	17.0	16.4
11	13.7	13.7	13.6	13.7	14.2	15.3	15.8	16.9	17.0	17.5	17.0	16.3
12	....	13.8	13.7	13.4	14.3	15.3	16.0	16.9	16.8	17.4	17.1	16.2
13	....	13.9	13.5	13.6	14.3	15.4	16.3	16.9	16.8	17.5	17.0	16.3
14	....	13.9	13.6	13.6	14.2	15.5	16.3	16.9	17.0	17.5	....	16.3
15	....	13.7	14.0	13.2	14.4	15.7	16.3	17.0	17.0	17.4	....	16.2
16	....	13.9	14.1	13.3	14.2	15.7	16.3	17.0	17.0	17.5	17.0	16.1
17	....	13.8	13.5	13.4	14.2	15.7	16.4	17.1	17.3	17.5	17.0	17.9
18	....	14.0	13.6	13.2	14.5	15.7	16.6	17.1	17.3	17.5	17.0	16.0
19	....	14.0	13.7	13.2	14.4	15.8	16.6	17.1	17.2	....	17.0	16.0
20	....	14.0	13.9	13.3	14.5	15.8	16.5	17.1	17.3	17.7	16.9	16.0
21	....	13.8	13.7	13.7	14.3	15.8	16.5	17.1	17.4	17.4	16.8	16.2
22	....	13.9	13.6	13.7	14.3	15.9	16.7	17.1	16.9	17.5	16.7	16.6
23	....	14.1	13.7	13.6	14.5	16.0	16.5	17.1	17.0	17.6	16.8	16.1
24	....	14.0	13.8	13.5	14.4	16.1	16.5	17.2	17.5	17.4	16.8	16.2
25	....	13.9	13.5	13.6	14.5	16.2	16.4	17.1	17.5	17.3	16.7	16.0
26	....	14.0	13.6	13.5	14.5	16.0	16.4	17.0	17.5	17.4	16.8	17.4
27	....	13.8	13.7	13.7	14.4	16.0	16.5	17.2	17.6	17.7	16.8	17.0
28	....	13.7	13.5	13.5	14.6	16.1	16.5	17.0	17.8	17.4	16.7	16.2
29	....	....	13.3	13.7	14.4	16.3	16.7	17.0	17.7	17.3	16.6	16.0
30	....	....	13.4	13.4	14.5	16.3	16.7	16.8	17.7	17.3	16.7	16.0
31	....	....	13.3	....	14.5	....	16.7	16.8	....	17.2	....	16.0

(D-9-2)11aaal(*817,p.463; *840,p.606; 845,p.666; 886,p.893; 910,p.153; 940,p.127). State claim 3364. Salt Lake & Utah Railroad Corporation. Water levels in feet above measuring point, 1942: Jan. 29, a/31.2; Mar. 26, b/31; June 27, b/2.96.

(D-9-2)18bcdl(*940,p.127). State claim 8357. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Feb. 4, a/8.5; Mar. 27, 4.84; June 27, 4.97; Dec. 26, 4.85.

Wasatch County

(D-2-5)20cc(*817,p.444; *840,p.596; 845,p.666; 886,p.894; 910,p.154; 940,p.127). Lee Bros.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1941	c27.76	Apr. 16, 1942	c27.66	Sept.14, 1942	c29.0
Dec. 15	c28.36	May 8	c27.08	Oct. 15	c28.84
Jan. 13, 1942	c28.3	June 15	c27.84	21	28.83
Feb. 16	c28.0	July 15	c28.04	Nov. 16	c28.42
Mar. 9	27.82	24	28.45	Dec. 12	27.60
16	27.66	Aug. 15	c28.06		

a Measurement by Utah State engineer.
b Well flowing prior to measurement.
c Measurement by Provo River Water Commissioner.

Wasatch County--Continued

(D-2-5)31aadl (*886, p. 894; 910, p. 154; 940, p. 128). State claim 13770. W. H. Davis. Water levels, in feet below measuring point: Nov. 10, 1941, a/16.42; Dec. 15, 1941, a/16.42; July 24, 1942, 8.15; Oct. 21, 1942, 7.85.

(D-2-5)31ada (*817, p. 444; *840, p. 596; 845, p. 666; 886, p. 895; 910, p. 154; 940, p. 128). State claim 11234. Harry Morris.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1941	a14.42	Apr. 16, 1942	a4.5	Sept.14, 1942	a5.4
Dec. 15	a12.25	May 8	a9.37	Oct. 15	a4.5
Jan. 13, 1942	a11.60	June 15	a3.58	21	6.08
Feb. 16	a13.50	July 15	a6.24	Nov. 16	a6.9
Mar. 9	6.81	24	6.47	Dec. 12	8.39
16	a8.10	Aug. 15	a8.65		

(D-3-4)35bbcl (*845, p. 666; 886, p. 895; 910, p. 154; 940, p. 128). State claims 8379 and 11260. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 9, 4.98; July 24, 3.38; Oct. 21, 3.33; Dec. 12, 3.67.

(D-3-5)29cac (*817, p. 445; 840, p. 596; 845, p. 667; *886, p. 895; 910, p. 154; 940, p. 128). Miles Clyde. Water levels, in feet below measuring point, 1942: Mar. 9, 11.92; July 24, 1.61; Oct. 21, 5.60; Dec. 12, 7.68.

(D-4-4)12aaa(*910, p. 154; 940, p. 128). Hartley Carlisle.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48.30	52.22	54.52	56.86	55.35	32.87	24.99	27.32	32.86	37.00	40.67	.....
2	48.42	52.34	.....	56.84	.....	32.16	24.47	27.61	33.12	37.15	40.42	.....
3	48.47	52.46	.....	56.84	.....	31.10	24.53	27.64	33.28	37.21	40.08	.....
4	48.57	52.57	55.06	56.82	.....	29.90	24.59	27.13	33.27	37.36	39.78	46.80
5	48.64	52.70	55.22	56.78	55.83	29.76	24.93	27.57	33.24	38.60	39.58	47.03
6	48.70	52.81	55.33	56.76	.....	29.00	24.81	27.63	33.51	38.86	39.74	47.23
7	48.73	52.91	55.46	56.78	52.45	29.76	24.83	27.49	33.99	.....	40.36	47.44
8	48.76	53.02	55.57	56.83	.....	29.49	24.84	27.56	34.28	38.32	40.82	47.64
9	48.81	53.15	55.68	56.89	50.93	29.63	24.78	28.00	34.46	38.63	41.22	47.84
10	49.08	53.27	55.78	56.95	.....	29.10	24.81	28.29	34.55	38.92	41.48	48.03
11	49.32	53.39	55.85	57.01	.....	27.25	25.03	28.36	34.64	39.16	41.62	48.22
12	49.53	53.51	55.89	57.06	.....	25.04	24.76	29.50	34.71	39.43	41.76	48.40
13	49.72	53.64	55.86	57.12	.....	24.35	25.09	28.49	34.86	39.66	41.87	48.58
14	49.91	53.75	55.88	57.16	47.70	23.09	25.15	28.23	35.10	39.87	41.90	48.75
15	50.10	53.83	55.93	57.20	46.56	23.20	25.45	28.48	35.32	40.00	42.14	48.93
16	50.27	53.88	56.01	57.24	45.32	23.24	25.54	28.82	35.47	40.15	42.43	49.10
17	50.44	53.90	56.09	57.29	44.60	24.28	25.16	29.25	35.60	40.27	42.81	49.20
18	50.62	53.99	56.17	57.36	43.32	24.78	25.84	29.70	35.78	40.00	43.05	49.35
19	50.78	54.02	56.24	57.42	41.86	23.95	25.85	30.08	35.88	40.11	43.31	49.52
20	50.92	54.03	56.33	57.46	41.24	23.80	25.83	30.35	35.92	40.39	43.60	49.67
21	51.04	54.02	56.42	57.49	41.09	23.41	25.91	30.53	35.93	40.64	.....	49.83
22	51.12	53.90	56.49	57.48	41.50	23.40	26.08	30.72	36.06	40.74	.....	49.98
23	51.18	53.99	56.55	57.51	39.43	23.22	26.89	30.99	36.15	40.92	.....	50.13
24	51.28	54.13	56.58	57.49	38.94	23.40	26.20	30.72	36.24	41.01	.....	50.18
25	51.40	54.18	56.64	57.46	36.54	23.47	26.04	30.99	36.36	41.19	.....	50.26
26	51.53	54.20	56.71	57.44	34.61	23.85	26.14	31.41	36.53	41.25	.....	50.40
27	51.65	54.31	56.79	57.26	33.97	24.46	26.41	31.64	36.72	41.29	45.54	50.53
28	51.77	54.44	56.86	56.76	34.29	24.98	26.14	31.97	36.92	41.32	.....	50.65
29	51.87	.....	56.91	56.14	33.40	25.01	26.57	32.24	37.08	41.41	.....	50.67
30	51.98	.....	56.92	55.64	33.88	24.89	36.89	32.50	37.10	41.32	.....	50.67
31	52.09	.....	56.90	.....	33.10	.....	27.15	32.63	.....	41.03	.....	50.65

a Measurement by Provo River Water Commissioner.

Wasatch County--Continued

(D-4-4)14abb(*840,p.596; 845,p.667; 886,p.895; 910,p.155; 940,p.129). Charlotte Brown.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.81	.....	18.60	17.91	17.32	9.19	5.65	11.08	14.50	15.60	16.43	16.64
2	17.88	.....	18.59	17.84	17.07	9.34	6.10	10.96	14.50	15.61	16.35	16.60
3	17.92	.....	18.59	17.83	16.86	8.55	6.61	11.43	14.55	15.62	16.28	16.53
4	17.96	.....	18.49	17.83	16.84	7.73	6.74	11.86	14.69	15.65	16.26	.....
5	17.99	.....	18.42	17.85	16.92	6.13	6.93	12.27	14.79	15.57	16.26	16.67
6	18.03	17.59	18.34	17.88	16.93	6.10	7.28	12.58	14.86	15.45	16.31	16.75
7	18.06	17.64	.....	17.92	16.83	5.80	7.61	12.78	14.99	15.25	16.34	16.83
8	18.10	17.69	.....	17.98	16.42	5.89	8.02	12.85	14.86	15.01	16.30	16.90
9	18.12	17.77	18.41	18.01	16.29	5.56	7.57	12.83	15.03	14.55	16.13	17.00
10	18.14	17.82	18.41	18.02	16.07	5.57	7.65	12.95	15.04	15.07	15.87	17.08
11	18.17	17.87	18.43	18.06	15.86	5.61	7.57	12.75	15.01	15.52	15.55	17.17
12	18.20	17.93	18.46	18.11	15.48	5.77	7.82	12.71	15.06	15.78	15.33	17.22
13	18.23	17.99	18.42	18.18	15.13	5.41	7.92	12.87	15.16	15.92	15.27	17.22
14	18.26	18.04	18.40	18.24	14.43	5.27	8.44	13.08	15.26	15.96	15.24	17.21
15	18.28	18.10	18.39	18.30	11.22	5.04	8.92	13.28	15.33	15.98	15.34	17.22
16	18.31	18.21	18.40	18.36	12.05	3.60	9.41	13.42	15.41	16.06	15.48	17.16
17	.....	18.23	18.42	18.40	12.55	3.52	9.78	13.53	15.49	16.12	15.57	17.10
18	.....	18.25	18.44	18.39	12.53	3.83	10.10	13.66	15.49	16.18	15.64	17.13
19	.....	18.30	18.47	18.40	12.32	3.87	10.32	13.60	15.52	16.23	15.67	17.20
20	.....	18.38	18.49	18.37	12.29	3.86	10.00	13.72	15.42	16.25	15.80	17.32
21	.....	.....	18.52	18.30	12.05	4.00	10.32	13.30	15.35	16.30	15.96	17.41
22	18.38	.....	18.54	18.20	11.77	4.49	10.00	13.23	15.35	16.32	.....	17.57
23	18.39	.....	18.51	18.09	11.92	4.64	9.25	13.52	15.38	16.34	.....	17.71
24	.....	.....	18.45	17.88	12.06	4.72	9.65	13.80	15.44	16.33	.....	17.76
25	.....	18.52	18.39	17.73	11.62	4.84	10.20	13.95	15.50	16.33	.....	17.67
26	.....	18.55	18.35	17.57	10.93	4.27	10.72	14.05	15.56	16.34	.....	17.67
27	.....	18.57	18.34	17.51	9.39	4.65	11.07	14.14	15.54	16.36	16.52	17.77
28	.....	18.60	18.32	17.42	9.32	5.04	11.34	14.09	15.58	16.38	16.57	17.87
29	.....	.....	18.28	17.40	9.10	5.14	11.48	14.23	15.67	16.43	16.63	17.94
30	18.00	.....	18.16	17.44	8.80	5.33	11.46	14.49	15.69	16.45	16.67	18.00
31	.....	.....	18.03	.....	8.96	....	11.35	14.50	.....	16.47	.....	18.05

(D-4-4)14ccc1(*817,p.445; *840,p.598; *845,p.667; 886,p.895; 910,p.155; 940,p.129). State claim 8380. Town of Charleston.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.23	14.05	14.53	13.65	12.65	8.76	6.76	9.07	10.42	11.30	12.05	12.08
2	13.25	14.06	14.50	13.61	12.65	8.65	6.83	9.11	10.49	11.40	12.10	12.01
3	13.24	14.07	14.49	13.50	12.65	8.52	6.90	9.18	10.54	11.47	12.06	12.03
4	13.34	14.07	14.57	13.41	12.59	8.40	7.01	9.23	10.59	11.52	12.12	11.98
5	13.40	14.12	14.52	13.37	12.63	8.21	7.11	9.28	10.65	11.50	12.13	12.07
6	13.45	14.09	14.50	13.32	12.51	7.92	7.20	9.33	10.70	11.48	12.15	12.10
7	13.49	14.09	14.58	13.34	12.26	7.63	7.27	9.36	10.72	11.43	12.17	12.15
8	13.53	14.13	14.59	13.36	12.06	7.53	7.35	9.41	10.74	11.48	12.15	12.21
9	13.57	14.12	14.54	13.39	11.92	7.43	7.45	9.48	10.79	11.52	12.23	12.27
10	13.60	14.15	14.54	13.45	11.88	7.30	7.54	9.53	10.85	11.53	12.23	12.33
11	13.59	14.12	14.47	13.49	11.80	7.24	7.62	9.60	10.87	11.45	12.23	12.40
12	13.64	14.12	14.47	13.56	11.81	7.14	7.68	9.62	10.88	11.44	12.20	12.45
13	13.67	14.15	14.41	13.59	11.70	7.10	7.80	9.66	10.90	11.48	12.20	12.49
14	13.72	14.14	14.42	13.58	11.50	7.06	7.91	9.73	10.88	11.55	12.16	12.62
15	13.71	14.16	14.40	13.64	11.28	6.93	7.92	9.80	10.87	11.54	12.13	12.68
16	13.71	14.18	14.42	13.60	11.20	6.88	7.94	9.85	10.87	11.60	12.24	12.74
17	13.78	14.26	14.43	13.53	11.10	6.82	8.03	9.90	10.90	11.68	12.23	12.77
18	13.82	14.29	14.33	13.59	10.98	6.69	8.12	9.95	11.00	11.70	12.21	12.84
19	13.86	14.30	14.34	13.56	10.84	6.63	8.17	10.01	11.05	11.72	12.18	12.95
20	13.88	14.29	14.38	13.55	10.72	6.50	8.25	9.97	11.07	11.76	12.23	12.98
21	13.89	14.27	14.36	13.53	10.60	6.51	8.34	10.02	11.12	11.72	12.28	13.04
22	13.89	14.25	14.29	13.42	10.93	6.54	8.44	10.04	11.48	11.64	12.24	13.08
23	13.93	14.40	14.22	13.36	10.30	6.53	8.56	10.09	11.50	11.64	12.20	13.11
24	13.96	14.33	14.10	13.27	10.22	6.56	8.64	10.12	11.47	11.76	12.24	13.08

Wasatch County--Continued

(D-4-4)14ccl. State claim 8380. Town of Charleston--Continued.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
25	13.96	14.40	14.10	13.13	10.04	6.55	8.69	10.16	11.19	11.90	12.19	13.06
26	14.01	14.45	14.06	13.00	9.78	6.52	8.74	10.22	11.23	11.90	12.17	13.21
27	14.00	14.40	14.00	12.90	9.62	6.56	8.79	10.22	11.24	11.82	12.10	13.24
28	13.98	14.47	13.93	12.77	9.35	6.63	8.84	10.24	11.25	11.85	12.15	13.25
29	14.02	.....	13.88	12.74	9.22	6.69	8.89	10.26	11.26	11.98	12.15	13.32
30	14.05	.....	13.83	12.70	9.05	6.71	8.92	10.34	11.28	12.08	12.08	13.34
31	14.05	.....	13.76	.....	8.82	....	9.01	10.38	.....	12.09	.....	13.37

Washington County - Escalante Valley [10/]

(C-37-17)11dbdl(*940,p.130). Listed as (C-37-17) in Water Supply Paper 940. E. A. Pickering. Water levels, in feet below measuring point, 1942: May 25, a/32.72; Aug. 3, 31.42; Dec. 12, 31.30.

(C-37-17)dba2(*940,p.130). Listed as (C-37-17)11dca2 in Water Supply Paper 940. E. W. Simkins. Water levels, in feet below measuring point, 1942: Apr. 21, 27.56; May 25, a/34.75; Aug. 3, 32.46; Dec. 12, 32.75.

(C-37-17)11dbdl(*940,p.130). Listed as (C-37-17)11dca1 in Water Supply Paper 940. E. W. Simkins. Water levels, in feet below measuring point, 1942: Apr. 21, 20.80; May 25, 26.14; Aug. 1, 27.12; Dec. 12, 28.29.

(C-37-17)12cbc1(*940,p.130). Charles Sides. Water levels, in feet below measuring point, 1942: Aug. 3, 30.44; Dec. 12, 31.26.

(C-37-17)12cdc1(*940,p.130). Louis Elliker. Water levels, in feet below measuring point, 1942: Apr. 21, 43.61; Aug. 3, 44.46; Dec. 12, 45.88.

(C-37-17)12cdd1(*817,p.438; *840,p.588;845, p.668; 886,p.896; 910,p.153; *940,p.130). State claim 8384. Drought Relief Administration. Water levels, in feet below measuring point, 1942: Apr. 21, 40.06; May 25, 40.55; Aug. 3, 40.35; Dec. 12, 41.31.

(C-37-17)14adc1(*940,p.130). J. C. Bosshardt. Water levels, in feet below measuring point, 1942: Apr. 21, 36.35; May 25, 36.26; Aug. 3, 36.23; Dec. 12, 39.02.

(C-37-17)15bab1(*940,p.130). Everest Hackett. Water levels, in feet below measuring point, 1942: Apr. 20, 5.28; May 25, 7.47; Aug. 3, 7.76; Dec. 12, 10.99.

(C-37-17)15bba1(*940,p.130). Federal Land Bank of Berkeley, California. No measurements made in 1942.

(C-37-17)16abb1(*940,p.130). Mr. Pulsifer. Water levels, in feet with reference to measuring point, 1942: May 25, +0.28; Aug. 3, +2.02; Dec. 12, -3.90.

(C-37-17)16cbb1(*940,p.130). State application 14146. J. W. Holt. Water levels, in feet below measuring point, 1942: Apr. 21, 15.50; Aug. 3, 16.87; Dec. 12, 15.79.

Washington County - Virgin River Valley

(C-42-10)33bb(*817,p.438; 840,p.589; 845,p.668; 886,p.896; 910,p.153; 940,p.131). Oscar De Mill. Water levels, in feet below measuring point, 1942: Aug. 7, 118.95; Dec. 16, 119.25.

(C-42-11)3ac(*817,p.438; *840,p.589; 845,p.668; 886,p.896; 910,p.153; 940,p.131). Drought Relief Administration. Water levels, in feet below measuring point, 1942: Mar. 16, 18.35; Aug. 7, 18.13; Dec. 16, 18.39.

10/ For other wells in this valley see pages 38-50, 65-75, and 79.
a Windmill stopped 10 minutes prior to measurement.

Wayne County

(D-27-2)25bd(*817,p.477; *840,p.613; 845,p.668; 886,p.896; 910,p.156; 940,p.131). State claim 7164. S. E. Tanner. Water level, in feet above measuring point, 1942: Dec. 18, 10.5.

(D-28-4)36cdbl(*817,p.477; 840,p.613; 845,p.668; 886,p.897; 910,p.156; 940,p.131). V. A. Lee. Water levels, in feet below measuring point, 1942: Aug. 9, 12.62; Dec. 18, 12.33.

(D-29-4)15cbdl(*817,p.477; 840,p.613; 845,p.668; 886,p.897; 910,p.156; *940,p.131). W. P. Coleman. Water levels, in feet below measuring point, 1942: Aug. 9, 2.04; Dec. 18, flowing.

Weber County - East Shore area

(B-5-2)4cddl(*817,p.383; *840,p.533; 845,p.671; 886,p.899; 910,p.158; 940,p.131). State application 11889. Samuel Peterson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 6, 35.0; Aug. 25, 33.8; Dec. 31, 35.1.

(B-5-2)14cdcl(*840,p.533; 845,p.671; 886,p.899; 910,p.158; 940,p.131). State claim 5538. Lorenzo Stoker. Water levels, in feet below measuring point, 1942: Mar. 6, 2.34; Aug. 25, 2.98; Dec. 31, 2.43.

(B-5-3)12addl(*817,p.384; *840,p.534; 845,p.671; 886,p.899; 910,p.159; 940,p.131). State application 11945. F. V. Simpson. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 6, 20.8; Aug. 24, 17.5; Dec. 31, 19.6.

(B-5-3)13ddcl(*840,p.534; 845,p.671; 886,p.899; 910,p.159; 940,p.131). State claim 1298. J. D. Hooper. Water levels, in feet above measuring point, 1942: Mar. 6, 35.9; Aug. 25, 33.8; Dec. 31, 35.7.

(B-5-3)15ddal(*817,p.384; *840,p.534; 845,p.671; 886,p.899; 910,p.159; 940,p.131). State application 11790. T. W. Read. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 6, 44.9; Aug. 25, 44.1; Dec. 31, 40.8.

(B-6-1)6dbal(*817,p.384; *840,p.534; 845,p.672; *886,p.899; 910,p.159; 940,p.131). State claim 598. Ogden Pressed Brick & Tile Co. No measurements made in 1942.

(B-6-1)8acbl(*845,p.672; 886,p.899; 910,p.159; 940,p.131). L. W. Winkler and Carl Nielson. Water levels, in feet below measuring point, 1942: Mar. 5, 4.56; Aug. 25, 3.90; Dec. 30, 3.47.

(B-6-1)8bddl6(*840,p.534; 845,p.672; 886,p.900; 910,p.159; 940,p.131). State claim 5438. J. T. Bybee. Water levels, in feet above measuring point, 1942: Mar. 5, a/7.8; Aug. 25, 8.3; Dec. 30, 9.0.

(B-6-1)21abbl(*817,p.385; *840,p.534; 845,p.672; *886,p.900; 910,p.159; 940,p.131). State claim 684. Western Irrigation Co. Water levels, in feet below measuring point, 1942: Mar. 5, 30.14; Dec. 30. 28.67.

(B-6-1)21addl(*845,p.672; 886,p.900; 910,p.159; 940,p.131). State claim 8389. Drought Relief Administration.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.93	42.90	.....	42.57	42.08	41.39	41.29	41.36	41.27	41.08	41.22	41.13
2	42.95	42.88	.....	42.58	42.08	41.34	41.27	41.35	41.24	41.00	41.23	41.03
3	42.89	.....	42.80	42.44	42.08	41.35	41.27	41.29	41.23	41.03	41.15	41.08
4	42.99	.....	42.87	42.43	42.08	41.39	41.30	41.33	41.17	41.06	41.25	41.07
5	43.02	.....	42.81	42.45	42.12	41.41	41.27	41.40	41.18	41.07	41.25	41.09
6	43.05	42.82	42.69	42.44	42.10	41.36	41.26	41.46	41.23	41.04	41.25	41.07
7	43.03	42.80	42.77	42.47	42.05	41.33	41.26	41.51	41.24	41.01	41.20	41.12
8	42.96	42.82	42.75	42.47	42.01	41.38	41.25	41.52	41.22	41.06	41.15	41.13
9	43.06	42.84	42.65	42.44	41.94	41.39	41.20	41.48	41.21	41.09	41.26	41.15
10	43.10	.....	42.60	42.44	41.95	41.34	41.23	41.46	41.27	41.09	41.29	41.18
11	43.07	.....	.....	42.43	41.89	41.32	41.21	41.49	41.31	39.99	41.30	41.23
12	43.06	.....	.....	.....	.....	41.31	41.22	41.51	41.29	39.92	41.27	41.22

a Well flowing prior to measurements.

Weber County - East Shore area--Continued

(B-6-1)21addl(*845,p.672; 886,p.900; 910,p.159; 940,p.131). State claim 8389. Drought Relief Administration--Continued.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	.....	.....	42.60	.....	.....	41.22	41.25	41.41	41.25	39.93	41.21	41.07
14	.....	42.73	42.56	.....	.....	41.20	41.26	41.46	41.25	41.01	41.17	41.04
15	.....	42.73	42.54	.....	41.77	41.24	.....	41.45	41.24	41.00	41.06	41.06
16	.....	42.73	42.60	.....	41.77	41.23	.....	41.40	41.25	41.03	.....	41.06
17	42.97	.....	42.68	42.40	41.81	41.22	41.38	41.46	.....	.....	.....	41.00
18	43.03	.....	42.60	42.44	41.84	41.21	41.45	41.42	41.25	.....	.....	40.98
19	43.08	.....	42.55	42.42	41.87	41.22	41.43	41.46	41.25	41.14	.....	41.05
20	43.11	42.85	42.65	42.40	41.87	41.24	41.42	41.43	41.24	41.15	41.16	41.03
21	43.09	.....	.....	42.40	41.81	41.28	41.43	41.43	41.23	41.16	41.28	40.98
22	.....	.....	.....	42.34	41.72	41.26	41.43	41.41	41.28	41.17	41.26	40.95
23	42.98	.....	42.54	42.34	41.72	41.19	41.43	41.42	41.28	41.14	41.20	40.89
24	42.95	.....	42.60	42.33	41.76	41.16	41.37	41.40	41.15	41.16	41.09	40.83
25	42.95	.....	.....	42.30	41.66	41.11	41.40	41.40	41.12	41.18	41.18	40.79
26	42.98	.....	.....	42.31	41.63	41.15	41.38	41.38	41.15	41.14	41.17	.....
27	42.93	.....	.....	42.26	41.62	41.15	41.41	41.40	41.13	41.10	41.09	.....
28	42.87	.....	42.63	.....	41.52	41.26	41.38	41.39	41.13	41.10	41.11	.....
29	42.88	.....	42.63	.....	41.55	41.22	.....	41.41	41.14	41.14	41.14	.....
30	42.95	.....	42.63	.....	41.48	41.24	.....	41.39	41.16	41.24	41.08	.....
31	42.93	.....	42.61	.....	41.48	.....	.....	41.33	.....	41.30	.....	41.12

(B-6-1)30bcb2(*840,p.535; 845, p.673; 886,p.900; 910,p.160; 940,p.132). American Packing & Provision Co. Water levels, in feet above measuring point, 1942: Mar. 6, 4.6; Dec. 31, 4.4.

(B-6-2)1acd3(*840,p.535; 845,p.673; 886,p.901; 910,p.160; 940,p.132). G. B. Taylor. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 5, 16.8; Aug. 25, 14.1; Dec. 31, 14.2.

(B-6-2)8abd1(*840,p.535; 845, p.673; 886,p.901; 910,p.160; 940,p.132). State claim 2471. West Weber Latter Day Saints Cemetery. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 5, 13.5; Aug. 25, 12.9; Dec. 31, 13.5.

(B-6-2)11dad1(*840,p.535; 845,p.673; 886,p.901; 910,p.160; 940,p.132). State claim 5613. Jerome Wheeler. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 5, 20.8; Aug. 25, 21.0; Dec. 31, 21.0.

(B-6-2)17acc1(*817,p.385; *840,p.535; 845,p.673; 886,p.901; *910,p.160; 940,p.132). State claim 695. H. C. Gibson. Water levels, in feet above measuring point, 1942: Mar. 5, a/16.3; Aug. 25, a/15.2; Dec. 31, a/15.5.

(B-6-2)22dcd1(*840,p.535; 845,p.673; 886,p.901; *910,p.161; 940,p.132). F. M. Petterson. Water levels, in feet below measuring point, 1942: Mar. 5, 1.27; Aug. 25, 0.85; Dec. 31, 0.71.

(B-6-2)25ccc1(*840, p. 535; 845,p. 674; 886, p.901; 910, p. 161; 940, p. 132). State claim 15111. G. E. Stratford. Water levels, in feet above measuring point, 1942: Mar. 6, 8.6; Aug. 25, 7.7; Dec. 31, 9.3.

(B-6-2)26ada1(*817, p. 385; *840,p. 535; *845, p. 674; *886, p. 901; *910, p. 161; 940, p. 132). State claim 1196. Amalgamated Sugar Co. Water levels, in feet above measuring point, 1942: Mar. 6, a/10.8; Dec. 31, 11.2.

(B-6-2)34dbb1(*840, p. 536; 845, p. 674; 886,p. 902; 910, p. 161; 940, p. 132). State application 11869. Heber Swarner. Water levels, in feet above measuring point, 1942: Mar. 6, a/25.6; Dec. 31, a/25.0.

a Well flowing prior to measurements.

Weber County - East Shore area--Continued

(B-6-3)26bbbl(*817,p.386; *840,p.536; 845,p.674; 886,p.902; 910,p.161; 940,p.132). State claim 7505. Mrs. F. G. Kelley. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 5, 29.6; Aug. 25, 27.4; Dec. 31, 28.2.

(B-7-1)32adal(*817,p.386; *840,p.536; 845,p.674; 886,p.902; 910,p.161; 940,p.132). State claim 14931. Joseph Folkman. Water levels, in feet above measuring point, 1942: Mar. 5, all.8; Aug. 25, a6.1; Dec. 29, a/11.0.

(B-7-2)21dc(*817,p.388; 840,p.537; 845,p.674; 886,p.902; *910,p.161; 940,p. 132). Annie Maw. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 5, 2.05; Aug. 25, 1.65; Dec. 31, 2.14.

(B-7-2)32dabl(*840,p.537; 845,p.675; 886,p.902; *910,p.161; 940,p.132). State claim 15095. Marie Olsen. Water levels in feet above measuring point, 1942: Mar. 5, b/36.8; Aug. 25, 33.9; Dec. 31, 36.4.

(B-7-3)35daal(*817,p.388; *840,p.537; 845,p.675; *886,p.903; 910,p.162; 940,p.132). State claim 5489. Herman Van Braak. Well flowing prior to measurements. Water levels, in feet above measuring point, 1942: Mar. 5, 9.30; Aug. 25, 9.10; Dec. 31, 8.00.

Weber County - Ogden Valley

(A-6-1)1dc(*817,p.352; 840,p.520; 845,p.669; *886,p.897; 910,p.156; 940,p.133). No measurements made in 1942. Measurements discontinued.

(A-6-1)2db(*817,p.352; 840,p.520; 845,p.669; 886,p.897; 910,p.156; 940, p.133). H. B. Stallings. Water levels, in feet below measuring point, 1942: Aug. 24, 10.90; Oct. 19, 14.28.

(A-6-1)11dc(*817,p.354; 840,p.521; 845,p.669; 886,p.897; 910,p.156; 940, p.133). Bureau of Reclamation, United States Department of Interior.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.82	20.54	22.18	23.99	13.24	12.92	13.85	15.33	18.58	20.98	22.96	22.58
2	18.86	20.60	22.23	23.99	.....	12.92	13.86	15.42	18.62	21.10	22.97	22.06
3	18.90	20.65	22.29	24.01	.....	12.92	13.88	15.51	18.70	21.22	22.98	22.06
4	18.97	20.69	22.36	23.99	.....	12.93	13.90	15.61	18.80	21.32	22.92	22.06
5	19.03	20.73	22.42	23.96	.....	12.97	13.92	15.71	18.90	21.44	22.91	22.06
6	19.08	20.75	22.48	23.92	.....	13.01	13.94	15.79	19.01	.....	22.92	22.07
7	19.14	20.79	22.55	23.90	.....	13.05	13.96	15.90	19.13	.....	22.87	22.07
8	.....	20.78	22.61	23.85	12.43	13.10	13.98	.....	19.24	.....	22.90	22.07
9	19.18	20.83	22.66	23.82	12.41	13.14	14.00	.....	19.36	21.98	22.93	22.07
10	19.23	20.89	22.70	23.78	12.43	13.19	14.04	.....	19.47	22.01	22.95	22.19
11	19.32	20.94	22.76	.....	12.53	13.24	14.07	.....	19.58	22.08	22.97	22.08
12	19.40	20.99	22.82	.....	12.59	13.29	14.10	.....	19.68	22.10	22.99	22.08
13	19.49	21.03	22.88	.....	12.62	13.32	14.14	.....	19.78	22.12	23.05	22.10
14	19.58	21.09	22.93	.....	12.63	13.37	14.19	.....	19.89	22.17	23.06	22.12
15	19.67	21.15	22.99	.....	11.86	13.42	14.26	.....	19.97	22.21	23.09	22.15
16	19.72	21.20	23.06	.....	11.86	13.47	14.32	.....	20.04	22.43	23.09	22.16
17	19.76	21.27	23.12	19.99	11.95	13.52	14.37	.....	20.12	.....	23.09	22.18
18	19.81	21.33	23.20	19.05	12.05	13.57	14.41	.....	20.21	.....	.....	22.27
19	19.86	21.39	23.27	17.52	12.13	13.61	14.46	.....	20.24	22.42	.....	22.27
20	19.90	21.46	23.35	16.70	12.22	13.55	14.49	.....	20.28	22.45	22.81	22.30
21	19.96	21.52	23.40	16.07	12.30	13.60	14.55	.....	20.34	22.47	22.82	22.33
22	20.02	21.59	23.47	15.42	12.37	13.66	14.64	.....	20.40	22.51	22.84	22.37
23	20.06	21.69	23.53	14.80	12.43	13.71	14.73	.....	20.46	22.53	22.86	22.40
24	20.12	21.78	23.58	14.33	12.50	13.76	14.81	.....	20.53	22.58	22.89	22.09
25	20.17	21.77	23.64	14.05	12.57	13.81	14.86	.....	20.60	22.64	22.90	22.[illegible]
26	20.22	21.96	23.70	13.89	12.63	13.84	14.91	.....	20.64	22.69	22.90	22.[illegible]
27	20.27	22.06	23.75	13.85	12.67	13.77	14.97	.....	20.70	22.71	22.83	22.05
28	20.32	22.12	23.77	13.92	12.72	13.80	15.05	.....	20.74	22.74	22.76	22.08
29	20.37	.....	23.82	13.26	12.78	13.82	15.14	.....	20.80	22.76	22.76	22.12
30	20.42	.....	23.88	.....	12.85	13.83	15.23	.....	20.89	22.79	22.58	22.16
31	20.48	.....	23.93	.....	12.90	.....	15.29	18.52	.....	22.95	.....	22.20

a Adjacent well flowing during measurement.
b Well flowing prior to measurement.

Weber County - Ogden Valley--Continued

(A-6-1)11dd(*910,p.157; 940,p.133). Ogden Yacht Club. Water levels, in feet below measuring point, 1942: Aug. 24, 25.05; Oct. 19, 25.72.

(A-6-1)12aa1(*817,p.355; 840,p.521; 845,p.669; 886,p.897; 910,p.157; 940,p.133). City of Ogden.

Water level at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.03	18.69	18.32	17.21	8.36	7.61	8.68	13.22	17.52	20.89	20.12	18.99
2	18.03	18.71	18.32	17.08	8.44	7.35	8.70	13.41	17.74	21.11	20.08	18.84
3	18.04	18.67	18.24	16.90	8.46	7.26	8.77	13.57	17.92	21.26	19.95	18.84
4	18.05	18.66	18.32	16.82	8.38	7.52	8.81	13.71	18.10	21.39	19.99	18.74
5	18.05	18.66	18.27	16.68	8.41	7.68	8.86	13.86	18.30	21.47	19.99	18.76
6	18.36	18.63	18.16	16.38	8.53	7.69	8.94	14.03	18.50	21.55	19.95	18.78
7	18.40	18.58	18.24	16.14	8.76	7.70	9.06	14.19	18.63	21.62	19.89	18.75
8	18.41	18.62	18.24	16.00	8.74	7.73	9.20	14.30	18.75	21.75	19.80	18.75
9	18.53	18.58	18.20	15.85	8.74	7.77	9.37	14.49	18.90	21.62	19.80	18.76
10	18.50	18.57	18.08	15.65	8.69	7.79	9.48	14.64	19.10	21.47	19.79	18.82
11	18.42	18.49	17.95	15.35	8.66	7.81	9.64	14.78	19.26	21.17	19.73	18.88
12	18.40	18.48	18.03	14.91	8.64	7.87	9.79	14.89	19.37	20.97	19.64	18.86
13	18.41	18.46	18.02	14.52	8.59	7.88	10.06	15.01	19.30	20.93	19.60	18.92
14	18.53	18.44	18.02	14.04	8.62	7.90	10.27	14.93	19.28	21.06	19.47	18.91
15	18.57	18.41	18.02	13.83	8.68	7.91	10.37	14.97	19.33	21.06	19.33	18.98
16	18.54	18.41	18.00	13.32	8.64	8.02	10.41	15.06	19.37	.....	19.41	19.02
17	18.61	18.40	17.96	12.81	8.64	8.10	10.45	15.17	19.45	.....	19.37	19.08
18	18.60	18.45	17.83	11.80	8.64	8.18	10.47	15.30	19.59	.....	19.32	19.07
19	18.58	18.46	17.86	10.93	8.62	8.29	10.55	15.62	19.66	.....	19.27	19.24
20	18.58	18.41	17.88	10.35	8.58	8.39	10.66	15.85	19.64	20.87	19.30	19.35
21	18.55	18.34	17.86	9.75	8.50	8.50	11.06	16.05	19.63	20.79	19.37	19.40
22	18.58	18.25	17.71	9.05	8.35	8.56	11.40	16.42	19.66	20.66	19.31	19.40
23	18.69	18.38	17.63	9.58	8.26	8.56	11.62	16.57	19.71	20.62	19.24	19.42
24	18.71	18.31	17.55	9.23	8.22	8.61	11.80	16.70	19.77	20.81	19.16	19.44
25	18.70	18.27	17.61	9.04	8.10	8.66	12.06	16.84	19.85	20.93	19.24	19.44
26	18.76	18.36	17.66	8.92	8.09	8.80	12.12	16.99	19.89	20.94	19.20	19.62
27	18.64	18.27	17.65	....	8.14	8.78	12.25	16.91	19.91	20.86	19.10	19.64
28	18.53	18.31	17.52	....	8.12	8.70	12.51	16.98	19.95	20.54	19.08	19.60
29	18.61	.....	17.50	8.29	8.21	8.67	12.68	17.01	20.10	20.41	19.10	19.62
30	.....	.....	17.46	8.36	8.10	8.67	12.86	17.10	20.61	.....	18.97	19.64
31	18.70	.....	17.38	....	7.90	....	13.01	17.25	.....	20.31	.....	19.63

(A-6-1)13ab(*817,p.356; 840,p.522; 845,p.670; 886,p.898; 910,p.158; 940,p.134). Water levels, in feet below measuring point, 1942: Aug. 24, 13.14; Oct. 19, 14.39.

(A-6-2)6aa(*817,p.356; 840,p.522; 845,p.670; 886,p.898; 910,p.158; 940,p.134). Water levels, in feet below measuring point, 1942: Aug. 24, 9.50; Oct. 19, 5.55.

(A-6-2)6dd1(*817,p.356; 840,p.522; 845,p.670; *910,p.158; 940,p.134). No measurements made in 1942.

(A-6-2)16bad1(*817,p.357; *840,p.522; 845,p.670; *886,p.898; 910,p.158; 940,p.134). State claim 14230. Golden Bingham. Water levels, in feet below measuring point, 1942: Aug. 24, 23.78; Oct. 19, 28.04.

(A-6-2)18acc(*817,p.357; 840,p.522; 845,p.671; 886,p.898; 910,p.158; 940,p.134). Charles Felt. Water level, in feet below measuring point, 1942: Oct. 19, 15.53.

(A-6-2)21cc(*817,p.357; 840,p.523; 845,p.671; 886,p.898; 910,p.158; 940,p.134). C. D. Shupe. Water levels, in feet below measuring point, 1942: Aug. 24, 14.81; Oct. 19, 16.5.

(A-7-1)29ba1(*817,p.357; *840,p.523; 845,p. 671; 886,p.898; 910,p.158; 940,p.134). State claim 14564. Elmer Gardner. Water levels, in feet below measuring point, 1942: Aug. 24, 14.65; Oct. 19, 19.59.

(A-7-1)35cb(*817,p.358; 840,p.523; 845,p.671; 886,p.898; 910,p.158; 940,p.134). Water level, in feet below measuring point, 1942: Aug. 24, 13.02. Measurements discontinued.

(A-7-1)35cd(*817,p.358; 840,p.523; 845,p.671; 886,p.898; 910,p.158; 940,p.134). Water levels, in feet below measuring point, 1942: Aug. 24, 9.86; Oct. 19, 14.37.

WASHINGTON

By L. C. Huff, J. W. Robinson, and G. C. Taylor, Jr.

PROGRAM OF WORK

In the State of Washington during 1942 periodic measurements of water level in observation wells were continued by the Geological Survey, United States Department of the Interior, in cooperation with other organizations, in connection with five projects. The following report discusses the progress made during the year on these projects.

Tacoma area

In the Tacoma area, which lies entirely in Pierce County, the field investigation to determine the availability of ground-water supplies for municipal use, conducted by the Federal Geological Survey in cooperation with the Department of Public Utilities of the city of Tacoma, was completed in 1942. A comprehensive report embodying the results of the investigation is now in preparation. Records of water level through June 1942 in 84 observation wells and 4 ground-water lakes in this area were released in January 1943 by the Geological Survey.[1/] These records include measurements made by the Geological Survey since late in 1937 and measurements made by the city of Tacoma some of which date back to 1907. No records of water level in wells in the Tacoma area appear in this volume.

State-wide Project

The scope of the State-wide observation-well program in Washington, begun in 1939 by the Federal Geological Survey in cooperation with the Washington State Department of Conservation and Development, was expanded slightly in 1942. At the end of the year, 25 observation wells made up the skeleton net in the State. In 22 of these wells, the water level was measured at intervals of two or three months; in the remaining 3 wells, float gages were read daily or weekly. No records of water level in wells of the State-wide project appear in this volume, but records for the years 1939-42 will be published in a forthcoming report.[2/]

1/Robinson, J. W., Piper, A. M., and others, Water levels in observation wells and stages in certain lakes of the Tacoma area, Wash.: U. S. Geol. Survey typewritten report, 227 pp., released January 1943.

2/La Rocque, G. A., Jr., Piper, A. M., and others, General ground-water features of and public water supplies from wells and springs in the State of Washington: U.S. Geol. Survey report in preparation.

Columbia Basin Project

In 1942 the observation-well program in the area covered by the Columbia Basin Project was continued and expanded by the Federal Geological Survey in cooperation with the Washington State Department of Conservation and Development and in collaboration with the Bureau of Reclamation, United States Department of the Interior. Water level measurements were made by L. C. Huff and G. C. Taylor, Jr., of the Geological Survey, and by L. W. Beasley, C. A. Kennedy, and F. W. Lees, well observers.

During the year measurements of water level were continued in 44 observation wells in this area, but records for 25 of these wells are published for the first time in this volume. Water levels were measured at intervals of two months in 19 wells and once during the year in 25 wells. In October water-level recorders were installed at 2 wells, and float gages were placed at 3 wells for weekly readings by local observers.

From December 1941 to December 1942 there was a net rise of water level in 6 observation wells and a net decline in 11 wells. In these 17 wells taken as a group the greatest net rise was 0.07 foot and the greatest net decline was 0.74 foot; the average net change in water level was a decline of 0.17 foot.

In the present report, records of water levels in wells of the Columbia Basin Project are included with those of other observation wells in Washington in the section bearing the heading "Well descriptions and water-level measurements," under which the wells are listed by counties. The wells in this area are in Adams, Franklin, and Grant Counties.

Spokane Valley

In cooperation with the Washington State Department of Conservation and Development the Federal Geological Survey continued in 1942 the investigation of ground-water conditions in the Spokane Valley and also in a contiguous area in Idaho made up of Rathdrum Prairie and the plains that extend northeastward to Lake Pend Oreille and the Pend Oreille River. The extent and character of the water-bearing materials were determined, and descriptive data were obtained for typical wells throughout the two areas. A forthcoming report on this investigation [3/] includes a brief description of the observational-well program begun several years ago in these areas and contains well records that round out that program.

[3/] Piper, A. M., and La Rocque, G. A., Jr., Water-table fluctuations in the Spokane Valley and contiguous area, Wash.--Idaho: U.S. Geol. Survey Water-Supply Paper 889-B.

During 1942 the continuing observation-well program in Spokane Valley was carried on about as before. Periodic measurements of water level were made by G. C. Taylor, Jr., and L. C. Huff, both of the Federal Geological Survey, and C. R. Meils, of the Washington Water Power Co. Float gages at wells were read by A. H. Schafer, of the Spokane Municipal Water Division, A. O. Brown, of the Country Homes Estates, maintenance employees of the Riverside Park Cemetery Association, the Great Northern Railway Co., the Modern Electric Water Co., and Mrs. Levira Vigue.

In the Spokane Valley no observation wells were discontinued and 3 were established during 1942; of the newly established wells, 2 were equipped with float gages and 1 with a continuous water-level recorder. Float gages were installed, also, at 2 observation wells previously established. At the end of the year there were 24 wells under observation. In 12 wells water levels were measured monthly, at 8 wells float gages were read weekly, and at 4 wells continuous graphs of the water level were obtained by recorders. In all, 460 measurements of water level were made in the 20 wells not equipped with recorders. The water body tapped by these observation wells occurs in the coarse gravel of a thick valley tongue that extends westward from the Rathdrum Prairie area of Idaho to and beyond Spokane. The water table slopes gradually from the northeastern part of the Rathdrum Prairie area, where it coincides with the level of Pend Oreille Lake, southwestward and westward to Spokane and then slopes more steeply northward into the Little Spokane Valley. This appears to represent the general trend of ground-water movement. Down gradient to and about 4 miles beyond the Idaho-Washington boundary, the water table is lower than all perennial surface-water bodies; this stretch, therefore, is inferred to be the principal source of ground-water replenishment. Farther west, the water table is higher than the perennial streams, whose reaches there constitute an area of ground-water discharge.

Fluctuations of ground-water level in the Spokane Valley and Rathdrum Prairie areas apparently are caused primarily by backwater waves that are generated in the discharge area, as the stage of the Spokane River rises and falls, and that progress eastward, up the hydraulic gradient; they are caused secondarily by replenishment waves that ordinarily are generated later by fluctuations of stage in Pend Oreille Lake, and perhaps in other

lakes, and that progress westward, down the hydraulic gradient. Thus, in the downstream part of the discharge area, the ground-water level ordinarily is lowest between September and December, but highest in April or May. Toward the east and extending into the area of replenishment, the fluctuations lag progressively, so that in the Rathdrum Prairie area the water table ordinarily is lowest in February or March and highest in July or August. Figure 6 shows some of these characteristic water-table fluctuations. Hydrographs that correspond to those in this figure but cover the decade ending with 1938 will be published in another report.[4/]

The following summary of water-level fluctuations is based on the records of 15 of the observation wells in Spokane County.

From early November 1941 to early November 1942 there was a net decline in 13 wells and a net rise in 2 wells; the average yearly change in level was a decline of 0.72 foot. From early November 1941 to early May 1942 the water level rose in all 15 wells; the average rise was 4.10 feet. Thereafter, until November 1942 the water level declined in all wells on an average of 4.82 feet.

Water levels in all observation wells were lower than usual throughout 1942. In 2 of the wells the water level fell lower in August and September than had ever before been observed. These wells, Nos. 25/43-11G6 and 25/43-11K1, are the two "gage wells" near the "up-river" municipal well field at Spokane; there, increasing withdrawals may have caused the unusually low stage reached. Among all 15 wells the lowest water levels of 1942 were, on the average, only 3.54 feet above the lowest on record for those wells; on the other hand, the highest level during the year averaged 6.47 feet below the highest on record.

In the present report, records of water levels in wells of the Spokane Valley are included with those of other observation wells in Washington in the section bearing the heading "Well descriptions and water-level measurements," under which the wells are listed by counties. All the wells in the Spokane Valley in Washington are in Spokane County.

Records of water level in wells in the Rathdrum Prairie area are included in the section of this volume that deals with Idaho.

4/ Piper, A. M., and La Rocque, G. A., Jr., op. cit. pl. 5.

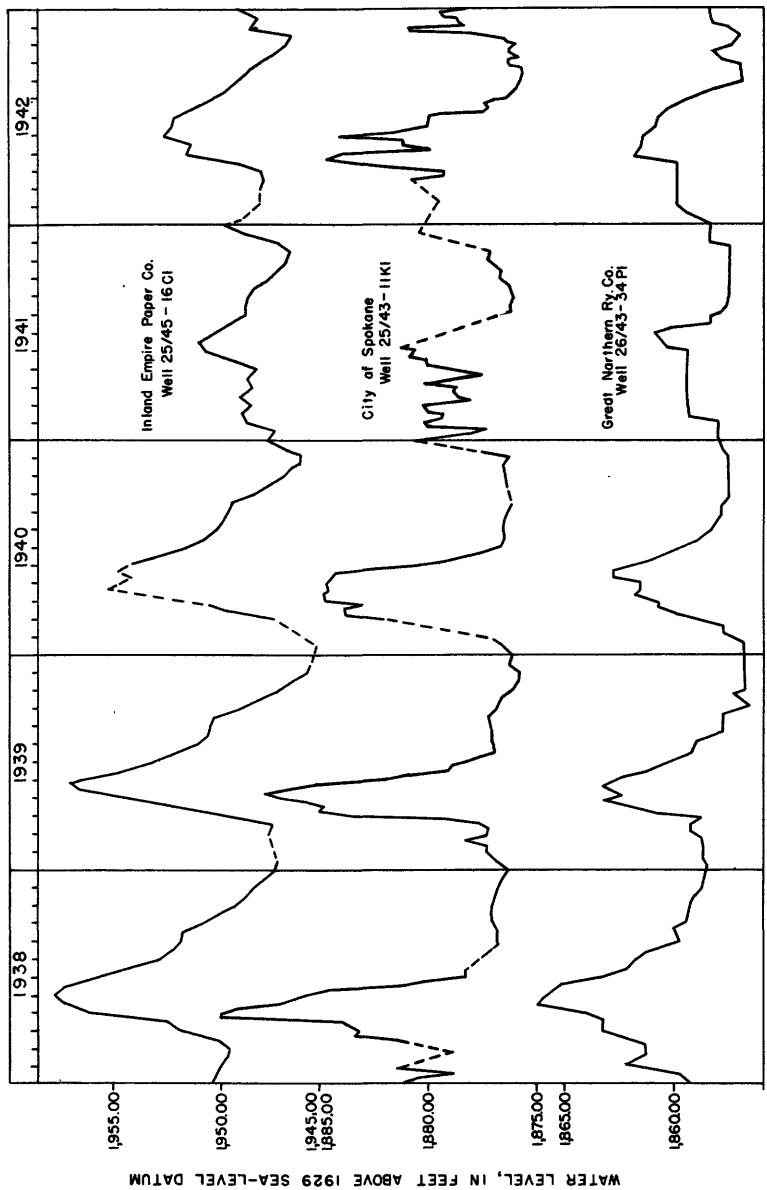

Figure 6.—Graphs showing water-level fluctuations of representative observation wells in the Spokane Valley, Wash., 1938-42.

Sunset Prairie

During 1942 three observation wells, Nos. 24/41-10A1, 25/41-28R1, and 25/41-36R1, were established by the Federal Geological Survey on Sunset Prairie, west of Spokane. These wells tap unconfined water in crevices and porous zones in basalt, commonly within 50 feet of the land surface. Here, the water level is determined principally by local rainfall: it is lowest in autumn and highest in spring. Thus, the high water level of the year occurs several months earlier in the Sunset Prairie upland than in the adjoining Spokane Valley. Most wells that tap water in the basalt of the upland provide adequate supplies for farm and domestic use, but their capacities are very much less than those of wells that tap the gravel fill of the Spokane Valley.

Records of water levels in wells on Sunset Prairie are included with those of other observation wells in Washington in the section of this report bearing the heading "Well descriptions and water-level measurements," under which the wells are listed by counties. The wells on Sunset Prairie are in Spokane County.

Palouse River area

The observation-well program in the basin of the South Fork of Palouse River in Whitman County, Wash., and Latah County, Idaho, was continued in 1942, although reduced somewhat in scope, by the Geological Survey, United States Department of the Interior. On the Soil Erosion Experiment Station farm near Pullman, Wash., water-level measurements were made in 12 water-table wells at weekly to monthly intervals by the Soil Conservation Service. Also near Pullman, measurements of water level were made by the Geological Survey in 3 artesian wells and 2 water-table wells at intervals of two to three months. During the year, 290 water-level measurements were made by the two agencies.

During 1942 the precipitation at Pullman was about 93 percent of normal, but in the 13 water-table observation wells near there the water levels continued to rise from the record low levels of 1940. This rise began in 1941, and apparently was carried over into 1942 by reason of the excessive precipitation of 1940 and 1941. In 10 of the 13 observation wells the highest level reached in the spring of 1942 was lower than the high of 1941, but in 3 of the wells it was higher. The lowest level in the autumn of 1942 was higher than the low of 1941 in 9 wells but lower in 4 wells.

In the 3 artesian observation wells the water level continued to decline, and at a rate somewhat greater than the rate of decline in 1941.

The water-level fluctuations during 1942 are summarized in the two following tables:

Summary of water-table changes, in feet, in 12 water-table wells on the Soil Erosion Experiment Station farm near Pullman and in 1 other water-table well, also near Pullman, 1942

Well	Highest level of spring		Lowest level of autumn	
	Rise since autumn of 1941	Net rise (+) or decline (-) from high level of 1941	Decline since spring of 1942	Net rise (+) or decline (-) from low level of 1941
3N	0.94	-0.94	1.69	+0.18
2N	4.54	-.08	4.78	+1.37
1N	4.12	-2.05	4.18	+1.31
1E	1.35	+.20	1.52	+1.36
3E	7.03	-1.96	7.00	+.03
4E	1.98	-.94	2.47	-.46
5E	1.19	-13.23	1.74	+.26
1S	1.92	+.38	1.97	+1.41
2S	1.71	+.29	1.88	+1.17
3S	1.09	-2.78	1.21	+.79
4S	2.74	-.45	3.25	-.41
5S	5.52	-.40	5.54	-.02
Average	2.84	-1.83	3.10	+.58
14/45-11N2	3.08	+.75	4.29	-1.21

Summary of water-level changes, in feet, in 3 artesian observation wells near Pullman, 1942

Well	Highest level of spring		Lowest level of autumn	
	Rise since autumn of 1941	Net decline from high level of 1941	Decline since spring of 1942	Net decline from low level of 1941
14/45-4N1	0.43	0.26	1.43	0.85
14/45-B1	.45	.29	1.46	.84
14/45-5D2	.41	.31	1.48	.83
Average	.43	.29	1.46	.84

In the present report, records of water levels in wells in the Washington part of the Palouse River area are included with those of other observation wells in the State in the section bearing the heading "Well descriptions and water-level measurements," under which the wells are listed by counties. The Washington wells in this area are in Whitman County.

Records of water levels in wells in the Idaho part of the Palouse River area are included in the section of this volume that deals with Idaho.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Observation wells in Washington in the Columbia Basin, Spokane Valley, Sunset Prairie, and Palouse River areas are here listed alphabetically by counties and numerically within each county. For convenience the names of the appropriate areas are added after the county names. Complete descriptions are given only for newly added wells. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in that paper. The water level in each well is expressed in feet below land-surface datum, which is a precise plane of reference that coincides with the average level of the land surface at each well. In the descriptive text preceding the water levels given for each well, the position of that reference plane is defined with reference to the current measuring point at the well and to the datum planes for water levels published in earlier reports.

Adams County-Columbia Basin

15/29-30B1 (*940, p. 139). Herman R. Kuhn. Measuring point (2) beginning October 19, 1942, top of 10-by 10-inch pump support at copper nail with washer, 4.79 feet above measuring point (1), and 0.59 foot above land-surface datum. Land-surface datum is about 859 feet above sea-level datum and 159.20 feet above former local datum used in report for 1941. Water level, in feet below land-surface datum, 1942: Feb. 7, 154.57; Oct. 19, 154.76; Dec. 19, 154.70.

16/29-35R1 (*940, p. 140). Kathryn D. Tate. Land-surface datum is about 1,117 feet above sea-level datum, 316.65 feet above local datum used in an earlier report, and 0.35 foot below measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 7	306.31	June 4	305.61	Oct. 19	304.70
Apr. 7	305.82	Aug. 12	305.21	Dec. 19	304.28

19/31-19B1 (*940, p. 140). Barbara Dormaier. Land-surface datum is about 1,450 feet above sea-level datum, 354.00 feet above local datum used in report for 1941 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 7	184.52	June 1	184.55	Oct. 16	184.58
Apr. 13	184.35	Aug. 1	184.43	Dec. 19	184.47

Franklin County-Columbia Basin

9/29-25D1. Owner unknown. NW¼NW¼ sec. 25, T. 9 N., R. 29 E. About 150 feet south of oiled county highway and 50 feet east of graded county road. Unused dug domestic well, diameter 60 inches, depth 45 feet, open-bottom concrete curb. Measuring point, top of board cover at copper nail with washer, 0.73 foot above top of concrete curb, and 1.73 feet above land-surface datum, which is about 365 feet above sea-level datum. Taps water in stream gravel. Water level affected by changes in stage of Columbia River, 1 mile south.

9/29-25D1. Owner unknown--Continued.

Water level, in feet below land-surface datum, 1940, 1942

Date	Water level	Date	Water level	Date	Water level
Oct. 29, 1940	34.93	June 5, 1942	34.62	Oct. 20, 1942	34.23
Feb. 3, 1942	37.55	Aug. 12	33.07	Dec. 9	36.28
Apr. 7	38.17				

9/30-19F1 (*940, p. 140). Owner unknown. Land-surface datum is about 375 feet above sea-level datum, 175.00 feet above local datum used in report for 1941 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Apr. 7	81.07	Aug. 12	78.38	Dec. 9	(a)
June 5	80.12	Oct. 20	78.07		

10/30-18G1 (*940, p. 140). J. L. De Force. Land-surface datum is about 525 feet above sea-level datum, 225.00 feet above local datum used in report for 1941, and level with measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 3	181.85	June 5	182.09	Oct. 19	182.07
Apr. 7	182.38	Aug. 12	182.07	Dec. 9	181.98

11/30-11B1 (*940,p. 141). Northern Pacific Railway. Land-surface datum is about 594 feet above sea-level datum, 193.60 feet above local datum used in report for 1941, and 0.14 foot above measuring point (2).

Water level, in feet below land-surface datum, 1942

Feb. 3	112.36	June 5	112.38	Oct. 19	112.40
Apr. 7	112.37	Aug. 12	112.38	Dec. 9	112.35

13/30-26G2 (*940, p. 141, listed as 13/20-26G2). M. M. Poe. Land-surface datum is about 667 feet above sea-level datum, 67.00 feet above local datum used in report for 1941, and 3.00 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 3	27.27	June 5	27.42	Oct. 19	b27.66
Apr. 7	27.36	Aug. 12	b27.66	Dec. 9	27.27

18/28-34H1 (*940, p. 141). No measurements made in 1942.

19/24-2D1. Mary Stepon. NW¼NW¼ sec. 2, T. 19 N., R. 24 E. About 30 feet west of square concrete tank, 200 feet east of trail and fence line. Abandoned drilled domestic well, diameter 5 inches, depth 200 feet, open-bottom steel casing. Measuring point, top of casing, 0.30 feet below land-surface datum, which is 1,228 feet above sea-level datum. Taps water in basalt. Water level influenced chiefly by infiltration from rain and snow.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 31, 1939	145.8	Dec. 20, 1939	144.8	Aug. 27, 1940	144.87
Sept. 8	145.3	Apr. 17, 1940	145.5	Apr. 6, 1942	145.12

Grant County - Columbia Basin

19/24-7J1 (*940, p. 141). E. J. Hutton. Land-surface datum is about 1,255 feet above sea-level datum, 255.00 feet above local datum of earlier report, and 2.00 feet below measuring point (2). High-low float gage installed Dec. 2, 1942; measuring point (3), top edge of float-gage support at bored hole, marked by copper nail with washer, 4.92 feet below land-surface datum.

a Measurements discontinued.
b Pump operating in well.

19/24-7J1. E. J. Hutton--Continued.

Water level, in feet below land-surface datum, 1942

Date	Water level		Water level		Water level
Feb. 9	170.06	June 3	169.86	Oct. 13	169.98
Apr. 6	169.81	Aug. 11	169.90	Dec. 20	169.99

19/26-6A1. D. E. Bell. NE¼NE¼ sec. 6, T. 19 N., R. 26 E. About 200 feet southwest of northeast corner of section and of intersection of two graded county roads. Abandoned drilled domestic well, diameter 6 inches, depth 125 feet, open-bottom steel casing. Measuring point, top of casing, level with land-surface datum, which is about 1,201 feet above sea-level datum. Taps water in sand.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 28, 1939	118.8	Dec. 20, 1939	118.3	Aug. 28, 1940	118.48
Sept. 6	118.5	Apr. 17, 1940	118.7	Apr. 9, 1942	118.43

19/26-18Q1. L. C. Lauzier. SW¼SE¼ sec. 18, T. 19 N., R. 26 E. About 10 feet north of square concrete tank, 10 feet west of concrete engine block, 200 feet north of abandoned farmhouse. Abandoned drilled domestic well, diameter 6 inches, depth 126 feet, open-bottom steel casing. Measuring point, top east side of pit curb at copper nail with washer level with land-surface datum, which is about 1,187 feet above sea-level datum. Taps water in sand.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 28, 1939	108.0	Dec. 20, 1939	107.7	Aug. 28, 1940	108.16
Sept. 6	107.7	Apr. 17, 1940	107.8	Apr. 9, 1942	108.59

Grant County-Columbia Basin

19/26-20A1. Ellen C. Law and Ina Law Robertson. NE¼NE¼ sec. 20, T. 19 N., R. 26 E. Near fence corner, about 500 feet west of northeast corner of section, 50 feet south of trail, and 10 feet north of caved cistern. Abandoned drilled domestic well, diameter 6 inches, depth 153 feet, open-bottom steel casing. Measuring point, top of casing, level with land-surface datum, which is about 1,225 feet above sea-level datum. Taps water in sand.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 29, 1939	148.5	Dec. 20, 1939	148.2	Aug. 28, 1940	148.37
Sept. 6	148.8	Apr. 17, 1940	148.2	Apr. 9, 1942	148.30

19/26-21A1. Carl H. Olson. NE¼NE¼ sec. 21, T. 19 N., R. 26 E. About 50 feet west of Ephrata-Corfu road, 100 feet southwest of northeast corner of section. Abandoned drilled domestic well, diameter 6 inches, depth 153 feet, open-bottom steel casing. Measuring point, top of casing, 1.30 feet above land-surface datum, which is about 155 feet above sea-level datum. Taps water in sand.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 29, 1939	146.7	Dec. 20, 1939	146.5	Aug. 28, 1940	146.76
Sept. 6	146.7	Apr. 17, 1940	146.1	Apr. 9, 1942	146.65

19/26-30K1. Columbia Basin Landowners, Inc. NW¼SE¼ sec. 30, T. 19 N., R. 26 E. About 0.45 mile west by trail and 200 feet south of east quarter corner of section, about 100 feet east of sand-drifted fence. Abandoned drilled domestic well, diameter 6 inches, depth 120 feet, open-bottom steel casing. Measuring point, top of casing, 1.80 feet above land-surface datum, which is about 1,191 feet above sea-level datum.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 29, 1939	109.7	Dec. 20, 1939	109.7	Aug. 28, 1940	109.90
Sept. 6	110.4	Apr. 17, 1940	109.8	Apr. 9, 1942	109.84

19/26-34D1 (*940, p. 142). F. H. Bordwell. Land-surface datum is about 1,169 feet above sea-level datum, 169.20 feet above local datum used in report for 1941 and 1.80 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 7	92.31	June 1	92.32	Oct. 13	92.25
Apr. 9	92.25	Aug. 11	92.38	Dec. 18	92.39

19/27-8A1. Oscar F. Etzcorn. NE¼NE¼ sec. 8, T. 19 N., R. 27 E. About 30 feet south of trail and power line. Abandoned dug domestic well, diameter 36 inches, depth 36.5 feet, open-bottom plank curb. Measuring point, top east side of curb at copper nail with washer, 1.40 feet above land-surface datum, which is about 1,090 feet above sea-level datum.

Water level, in feet below land-surface datum, 1939, 1941-42

Mar. 28, 1939	31.4	Dec. 19, 1939	32.1	Apr. 13, 1942	32.88
Sept. 6	30.6	Dec. 11, 1941	34.90		

19/27-8C1. George E. Spaulding. NE¼NW¼ sec. 8, T. 19 N., R. 27 E. At base of terrace near three dead trees, 25 feet east of cylindrical concrete reservoir. Unused drilled irrigation well, diameter 9 inches, depth 210 feet, open-bottom steel casing. Measuring point, top west side of concrete engine base, 2.25 feet above top of casing, 1.00 foot above land-surface datum, which is about 1,139 feet above sea-level datum. Taps water in basalt.

Water level, in feet below land-surface datum, 1939-42

Mar. 28, 1939	66.0	Aug. 27, 1940	70.44	Aug. 11, 1942	70.82
Sept. 6	71.25	Dec. 17, 1941	66.86	Oct. 17	69.53
Dec. 19	67.0	Apr. 13, 1942	65.93	Dec. 20	67.60
Apr. 16, 1940	68.3	June 1	68.32		

19/27-16N1. M. R. Steele. SW¼SW¼ sec. 16, T. 19 N., R. 27 E. About 0.16 mile north and 0.16 mile east of intersection of section-line roads, in open field at west end of long pump house. Unused dug irrigation well, diameter 7 feet, depth 74.5 feet, open-bottom concrete curb. Measuring point, top inside edge of 2-by 6-inch plank at base of recorder shelter, marked by copper nail with washer, 1.00 foot above land-surface datum, which is 0.18 foot above concrete floor and about 1,094 feet above sea-level datum. Taps water in glacial-outwash gravel. Water-level recorder installed Oct. 3, 1942.

Water level, at noon, in feet below land-surface datum, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 5	67.71	Oct. 31	67.68	Nov. 25	67.73	Dec. 15	67.77
10	67.68	Nov. 5	67.70	30	67.73	20	67.75
15	67.69	10	67.73	Dec. 5	67.74	25	67.75
20	67.69	15	67.68	10	67.76	31	67.75
25	67.68	20	67.74				

19/27-20R1. National Bank of Commerce. SE¼SE¼ sec. 20, T. 19 N., R. 27 E. At fence corner, about 15 feet west of graded county road. Unused dug irrigation well, diameter 4 feet, depth 35 feet, open-bottom concrete curb, horizontal centrifugal pump. Measuring point, top northwest side of concrete curb of well, level with land-surface datum, which is about 1,059 feet above sea-level datum. Taps water in glacial-outwash gravel.

Water level, in feet below land-surface datum, 1939-40, 1942

Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1939	34.5	Dec. 19, 1939	33.7	Aug. 27, 1940	32.88
Sept. 6	34.5	Apr. 16, 1940	33.6	Apr. 13, 1942	29.92

Grant County - Columbia Basin

19/27-26C1. George Foster. NE¼NW¼ sec. 26, T. 19 N., R. 27 E. About 50 feet south of oiled county highway, 50 feet east of farmhouse painted white. Dug and drilled irrigation and domestic well, diameter 48 inches and 8¼ inches, depth 225 feet, open-bottom timber curb and steel casing, domestic pressure pump, and horizontal centrifugal pump. Measuring point, top of 6- by 6-inch timber on east side of well, level with land-surface datum, which is about 1,108 feet above sea-level datum. Taps water in glacial-outwash gravel and in basalt.

Water level, in feet below land-surface datum, 1939-1942

Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1939	79.0	Apr. 16, 1940	81.9	Dec. 11, 1941	80.38
Sept. 6	74.5	Aug. 27	81.47	Apr. 13, 1942	79.86

19/28-6C1. I. J. Corliss. NE¼NW¼ sec. 6, T. 19 N., R. 28 E. About 50 feet west of farmhouse, near end of graded county road. Dug irrigation well, diameter 36 inches, depth 36.5 feet, open-bottom concrete curb, horizontal centrifugal pump. Measuring point, top east side of concrete curb, 1.00 foot above land-surface datum, which is about 1,079 feet above sea-level datum. Taps water in glacial-outwash gravel.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 28, 1939	32.7	Apr. 16, 1940	33.6	Apr. 13, 1942	34.00
Sept. 6	34.6	Aug. 27	a34.4		

19/28-7C1. Owner unknown. NE¼NW¼ sec. 7, T. 19 N., R. 28 E. About 25 feet south of farmhouse, 150 feet south of north quarter corner of section. Dug irrigation well, diameter 36 inches, depth 37.5 feet, open-bottom concrete curb, horizontal centrifugal pump. Measuring point , top west side of concrete curb, level with land-surface datum, which is about 1,073 feet above sea-level datum. Taps water in glacial-outwash gravel.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 28, 1939	30.0	Dec. 12, 1939	30.5	Aug. 27, 1940	31.72
Sept. 6	a34.8	Apr. 16, 1940	29.6	Apr. 13, 1942	31.25

19/28-15L1 (*940, p. 142). Owner unknown. Land-surface datum is about 1,104 feet above sea-level datum, 104.00 feet above local datum used in report for 1941 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 7	58.54	June 1	59.07	Oct. 14	59.64
Apr. 13	58.81	Aug. 11	59.45	Dec. 18	59.43

19/28-22G1. Frank W. Lees. SW¼NE¼ sec. 22, T. 19 N., R. 28 E. In town of Moses Lake, at Lakeside Auto Court, about 120 feet northwest of U. S. Highway 10. Unused dug domestic well, diameter 4 feet, depth 29 feet, 13 feet of 11-inch casing in bottom and well back-filled to within 3 feet of top of casing; the remainder wood-cribbed. Measuring point, top of plank well cover at copper nail with washer, 0.7 foot above land-surface datum, which is 1,070 feet above sea-level datum. Taps water in glacial-outwash gravel. Float gage installed Oct. 18, 1942. Except as indicated by footnote, water levels after that date are from float-gage readings by owner.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 18	25.16	Nov. 8	24.99	Nov. 29	24.70	Dec. 18	b24.44
25	24.99	15	24.91	Dec. 6	24.60	20	24.43
Nov. 1	25.05	22	24.87	13	24.52	27	24.36

a Pump operating in well.
b Measured by Geological Survey.

19/29-2A1. J. J. Phillips. NE¼NE¼ sec. 2, T. 19 N., R. 29 E. On floor of Rocky Coulee, 100 feet west of one-wire telephone line. Abandoned drilled stock well, diameter 6 inches, depth 69 feet, open-bottom steel casing. Measuring point, top of casing, 3.20 feet above land-surface datum, which is anout 1,227 feet above sea-level datum. Taps water in gravel.

Water level, in feet below land-surface datum, 1939-40, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 21, 1939	54.3	Dec. 19, 1939	52.8	Aug. 26, 1940	52.49
Apr. 4	54.8	Apr. 16, 1940	53.1	Apr. 11, 1942	50.75
Aug. 7	52.8				

19/29-36J1 (*940, p. 142). H. A. Klussman. Land-surface datum is about 1,270 feet above sea-level datum, 170.20 feet above local datum used in report for 1941 and 2.80 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 7	136.38	June 1	136.25	Oct. 16	135.90
Apr. 13	136.32	Aug. 11	135.82	Dec. 19	135.58

20/24-9E1 (*940, p. 142). Wenatchee Apple Land Co. Land-surface datum is about 1,304 feet above sea-level datum, 304.00 feet above local datum used in report for 1941 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 6	263.09	June 3	267.11	Oct. 17	270.92
Apr. 3	261.93	Aug. 11	276.06	Dec. 18	267.94

20/24-15D1. Herbert S. Remple. NW¼NW¼ sec. 15, T. 20 N., R. 24 E. About 150 feet south of State Highway 7, 12 feet northeast of northwest corner of corral. Abandoned drilled domestic well, diameter 6 inches, depth 318 feet, open-bottom steel casing. Measuring point, top of casing, 2.50 feet below land-surface datum, which is about 1,272 feet above sea-level datum. Taps water in basalt.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 30, 1939	175.3	Dec. 20, 1939	175.9	Aug. 27, 1940	175.46
Sept. 8	176.5	Apr. 16, 1940	176.8	Apr. 6, 1942	177.55

20/26-18R1 (*940, p. 143). D. J. Miles. Land-surface datum is about 1,246 feet above sea-level datum, 246.00 feet above local datum used in report for 1941 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 7	162.13	June 1	162.15	Oct. 17	162.14
Apr. 6	162.22	Aug. 1	162.24	Dec. 20	162.00
Apr. 14	161.92				

20/26-20R1. L. C. Lauzier. SE¼SE¼ sec. 20, T. 20 N., R. 26 E. About 200 feet north of section line, 5 feet south of concrete engine base. Abandoned drilled irrigation well, diameter 8 inches, depth 151 feet, open-bottom steel casing. Measuring point, top south side of pit curb at copper nail with washer, 4.31 feet above top of casing and level with land-surface datum, which is about 1,228 feet above sea-level datum. Taps water in gravel.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 29, 1939	142.3	Dec. 19, 1939	142.2	Aug. 28, 1940	142.90
Sept. 6	143.0	Apr. 16, 1940	142.1	Apr. 9, 1942	142.82

20/28-10D1. Federal Land Bank. NW¼NW¼ sec. 10, T. 20 N., R. 28 E. About 200 feet west of abandoned ranch house, 300 feet east of northwest corner of section, 15 feet south of concrete engine base. Abandoned dug and drilled irrigation well, diameter 48 and 8 (?) inches, depth 125 feet, open-bottom timber curb and steel casing. Measuring point, top of west 6-by 6-inch timber at copper nail with washer, level with land-surface datum, which is about 1,121 feet above sea-level datum. Taps water in glacial outwash gravel and in basalt.

20/28-10D1. Federal Land Bank--Continued.

Water level, in feet below land-surface datum, 1939-42

Date	Water level	Date	Water level	Date	Water level
Aug. 7, 1939	22.3	Apr. 17, 1940	14.5	Dec. 8, 1941	22.98
Dec. 19	22.0	Aug. 26	22.60	Apr. 15, 1942	16.06

20/28-15F1. County of Grant. SE¼NW¼ sec. 15, T. 20 N., R. 28 E. On north edge of shallow depression, 100 feet west of abandoned shack. Abandoned dug and drilled domestic well, diameter 48 and 6 inches, depth 21.5 feet, open-bottom timber curb and steel casing. Measuring point, top south side of curb at copper nail with washer, level with land-surface datum, which is 1,106 feet above sea-level datum. Taps water in glacial-outwash gravel and in basalt.

Water level, in feet below land-surface datum, 1939, 1941-42

Mar. 20, 1939	21.0	Apr. 15, 1942	8.40	Oct. 14, 1942	17.06
Dec. 19	20.0	Aug. 11	14.02	Dec. 20	18.91
8, 1941	18.40				

20/30-30J1. Fred Schmauder. NE¼SE¼ sec. 30, T. 20 N., R. 30 E. Beneath windmill tower, 30 feet northwest of abandoned farmhouse. Abandoned drilled domestic well, diameter 6 inches, depth 467 feet, open bottom. Measuring point, top of casing, level with land-surface datum, which is about 1,507 feet above sea-level datum. Taps water in basalt.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 21, 1939	341.8	Dec. 18, 1939	340.3	Aug. 26, 1940	339.1
Apr. 4	341.5	Apr. 17, 1940	339.8	Apr. 11, 1942	339.30
Aug. 7	340.5				

21/26-3H1 (*940,p.143). Sivert Andersen. Land-surface datum is about 1,281 feet above sea-level datum, 180.00 feet above local datum used in report for 1941 and 2.90 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 8	133.68	June 1	131.65	Oct. 17	137.86
Apr. 11	132.70	Aug. 11	137.76	Dec. 19	131.47

21/27-4K1. Casey Bonthieus. NW¼SE¼ sec. 4, T. 21 N., R. 27 E. About 50 feet east of graded county road, at west end of pump shed. Dug and drilled irrigation well, diameter 36 and 8 inches, depth 155 feet, open-bottom concrete curb, and steel casing, lift pump. Measuring points: (1) Top west side of concrete curb, 3.00 feet below land-surface datum, which is 1,223 feet above sea-level datum; (2) top inside edge of 8-inch circular guide ring, 1.00 foot above land-surface datum. Taps water in glacial-outwash gravel and in basalt.

Water level, in feet below land-surface datum, 1939-40, 1942

Mar. 15, 1939	130.7	Dec. 20, 1939	132.5	Apr. 11, 1942	129.70
Sept. 8	127.8	Apr. 12, 1940	130.6		

21/28-34A1 (*940,p.143). Arabella E. Bunnell. Land-surface datum is about 1,265 feet above sea-level datum, 165.00 feet above local datum used in report for 1941 and 1.00 foot below measuring point. Water-level recorder installed Oct. 15, 1942, subsequent water levels at noon from recorder charts.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	93.89	Oct. 20	93.97	Nov. 15	93.72	Dec. 10	94.00
Apr. 14	93.74	25	93.93	20	94.06	15	94.00
June 1	93.78	31	93.87	25	94.00	20	93.90
Aug. 11	93.75	Nov. 5	93.93	30	93.89	25	93.95
Oct. 15	93.97	10	94.04	Dec. 5	93.91	31	93.87

21/30-9P1 (*940, p. 143) Owner unknown. Land-surface datum is about 1,648 feet above sea-level datum, 247.85 feet above local datum used in report for 1941 and 0.15 foot below measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 7	201.90	June 1	201.76	Oct. 16	201.88
Apr. 11	201.70	Aug. 11	201.73	Dec. 19	201.77

22/27-23R1. E. W. Short. SW¼SW¼ sec. 23, T. 22 N., R. 27 E. About 0.5 mile southwest of Adrian, 200 feet north of oiled county road, 20 feet northwest of farmhouse, 150 feet east of Crab Creek. Dug and drilled irrigation well, diameter 48 and 6 inches, depth 258 feet, open-bottom concrete curb and steel casing, turbine pump. Measuring point, lower edge of pump base at copper nail with washer, 0.70 foot above top east side of concrete curb, and 1.25 feet above land-surface datum, which is about 1,195 feet above sea-level datum. Taps water in glacial-outwash gravel and in basalt.

Water level, in feet below land-surface datum, 1939-42

Mar. 15, 1939	60.8	Apr. 12, 1940	57.6	Mar. 20, 1941	61.59
Aug. 7	a77.8	Aug. 27	a76.32	Apr. 11, 1942	61.67
Dec. 20	62.2				

22/27-29R1. Hugh Craigie. SE¼SE¼ sec. 29, T. 22 N., R. 27 E. About 100 feet north of graded county road, 20 feet west of farmhouse, at south end of pump shed. Unused dug and drilled irrigation well, diameter 36 and 8¼ inches, depth 200 feet, open-bottom concrete curb and steel casing. Measuring point, base on south side of pump frame, level with top of concrete curb and 1.00 foot above land-surface datum, which is about 1,229 feet above sea-level datum. Taps water in basalt.

Water level, in feet below land-surface datum, 1939-42

Mar. 15, 1939	127.7	Dec. 20, 1939	128.0	Nov. 25, 1941	127.02
Sept. 8	131.7	Apr. 17, 1940	125.7	Apr. 11, 1942	123.65

22/27-30P1. L. W. Beasley. SE¼SW¼ sec. 30, T. 22 N., R. 27 E. About 200 feet west of farmhouse, 300 feet north of oiled county highway. Unused drilled irrigation well, diameter 10 inches, depth 304 feet, open-bottom steel casing. Measuring points: (1) Top of coupling on casing, 0.50 foot above land-surface datum, which is about 1,154 feet above sea-level datum; (2) top edge of plank float-gage base at 3/4-inch bored hole and copper nail with washer, 0.64 foot above land-surface datum. Taps water in basalt. Float gage installed Oct. 17, 1942. Except as indicated by footnote, water levels after that date are from float-gage readings by owner.

Water level, in feet below land-surface datum, 1939-42

Mar. 15, 1939	48.5	Oct. 17, 1942	b45.85	Nov. 30, 1942	46.58
Sept. 8	49.3	26	45.95	Dec. 7	46.66
Dec. 20	47.5	Nov. 2	45.95	14	46.85
Apr. 12, 1940	47.8	9	46.03	19	b46.87
Aug. 28	49.14	16	46.31	21	46.81
Nov. 25, 1941	46.90	23	46.55	28	46.90
Apr. 11, 1942	47.55				

22/28-3R1 (*940, p. 144). Riley Parsons. Land-surface datum is about 1,254 feet above sea-level datum, 154.00 feet above local datum used in report for 1941 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 7	102.54	June 1	96.37	Oct. 15	100.89
Apr. 11	95.30	Aug. 11	98.80	Dec. 19	102.12

a Pump operating in well.
b Measurements by Geological Survey.

22/28-6R1. Chas. A. Kennedy. SE¼SE¼ sec. 6, T. 22 N., R. 28 E. About 500 feet north of Adrian-Stratford county highway, 50 feet northwest of farmhouse. Dug domestic well, diameter 36 inches, depth 177 feet, open-bottom concrete curb, lift pump. Measuring point, top south side of concrete curb, 0.20 foot above land-surface datum, which is about 1,282 feet above sea-level datum. Taps water in glacial-outwash gravel. Float gage installed Oct. 15, 1942. Except as indicated by footnote, water levels after that date are from float-gage readings by owner.

Water level, in feet below land-surface datum, 1939-40, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1939	177.0	Oct. 22, 1942	162.02	Dec. 3, 1942	163.82
Aug. 7	155.9	29	162.24	10	164.02
Dec. 18	165.8	Nov. 5	162.29	17	164.29
Apr. 12, 1940	159.3	12	162.93	19	a164.35
Aug. 28	158.65	19	163.24	24	164.59
Apr. 11, 1942	157.80	26	163.52	31	164.89
Oct. 15	a161.62				

22/30-18M1 (*940, p. 144). Owner unknown. Land-surface datum is about 1,346 feet above sea-level datum, 46.00 feet above local datum used in reports for 1941 and level with measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 7	16.81	June 1	17.10	Oct. 16	17.27
Apr. 11	16.94	Aug. 11	17.14	Dec. 19	17.27

Spokane County-Spokane Valley

25/42-13B1 (886,p.918,*889-B,pp.93-94; 910,p.169; 940,p.144). Washington Water Power Co. well 90. Empire Ice & Shingle Co. Land-surface datum is 1,883.37 feet above sea-level datum of 1929, 3.00 feet below measuring point, and 230.40 feet above local datum used in previous reports. (Pump operating in well at time of each water-level measurement.)

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	187.00	Mar. 30	189.23	July 6	187.70	Oct. 6	192.90
Feb. 4	189.22	May 6	186.18	Aug. 11	191.21	Nov. 12	192.95
Mar. 3	188.95	June 1	185.65	Sept.18	192.87	Dec. 11	190.49

25/42-14L1. Riverside Park Cemetery Association. NE¼SW¼ sec. 14, T. 25 N., R. 42 E. Just west of Spokane city boundary along Government Way, beneath north room of cemetery garage. Circular dug well, depth 109.5 feet, diameter 6.0 feet, concrete curb. Used during summer to irrigate cemetery lawn. Equipped with deep-well turbine. Draw-down 2.0 feet after pumping several hours at 410 gallons per minute. Measuring point, top of 1-inch steel pump-base flange at east corner of pump, level with land-surface datum and about 1,787 feet above sea-level datum of 1929. Water-level recorder in use Mar. 18 to May 9, 1942. Float gage installed Aug. 29, 1942, and read weekly by maintenance employees.

Water level, in feet below land-surface datum, 1941-42
(including selected levels from recorder charts)

Date	Water level	Date	Water level	Date	Water level
Dec. 12, 1941	b96.48	Apr. 25	93.46	Oct. 9	ab99.59
Mar. 18, 1942	95.75	30	92.92	12	99.66
20	95.65	May 5	92.89	18	99.60
24	95.62	9	93.40	26	99.57
31	95.30	Aug. 29	ab103.07	31	99.55
Apr. 5	95.71	Sept. 6	99.60	Nov. 6	99.66
10	95.38	14	99.79	12	99.64
15	94.85	20	101.24	18	99.31
15	b96.92	28	99.84	25	98.75
20	94.02	Oct. 5	99.60	Dec. 1	97.59

a Measurement by Geological Survey.
b Pump operating in well.

25/42-14L1. Riverside Park Cemetery Association--Continued

Water level, in feet below land-surface datum, 1941-42
(including selected levels from recorder charts)

Date	Water level	Date	Water level	Date	Water level
Dec. 8, 1942	97.33	Dec. 19, 1942	97.07	Dec. 26	96.68
15	a97.23	21	96.91	31	96.60

25/43-11G1 (886,p.918,*889-B,pp.94-97; 910,p.170; 940,p.144). Owner's well 1. City of Spokane, Water Division. Land-surface datum is 1,902.21 feet above sea-level datum of 1929, 1,918.77 feet above city datum, 118.77 feet above local datum used in previous reports, and 0.32 foot below measuring point, which is top face of manhole cover. Except as indicated by footnote, water levels are from float-gage readings by city Water Division, ordinarily at 8:00 a.m. Water level depressed somewhat by continuous withdrawal from adjacent wells.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	25.86	Apr. 6	22.62	July 13	27.27	Oct. 6	a28.61
12	25.47	13	20.67	20	27.96	12	28.52
19	25.75	20	19.13	27	28.67	19	28.77
26	26.68	27	19.11	Aug. 3	29.12	26	28.26
Feb. 2	25.91	May 4	21.98	10	29.23	Nov. 2	29.00
6	a24.16	11	23.17	11	a29.30	9	28.15
9	24.18	18	21.55	17	19.31	16	26.90
16	24.40	25	21.44	24	19.29	23	25.54
23	24.11	June 1	19.55	31	19.11	30	22.74
Mar. 2	26.32	1	a19.88	Sept. 7	19.13	Dec. 7	26.36
9	27.10	8	24.41	14	19.33	12	a25.92
16	23.31	15	24.91	21	19.22	14	25.38
23	25.35	22	25.15	28	28.38	21	24.76
30	25.27	29	24.60	Oct. 5	28.88	28	25.72
30	a24.91	July 6	26.04				

25/43-11G2 (886, p. 918; *889-B, p. 98; 910, p. 170; 940, p. 145). Owner's well 2. City of Spokane, Water Division. Land-surface datum is 1,902.48 feet above sea-level datum of 1929, 1,919.04 feet above city datum, 119.04 feet above local datum used in previous reports, and 3.68 feet above measuring point, which is top of plank deck of first stairway landing. Except as indicated by footnote, water levels are from float-gage readings by city Water Division, ordinarily at 8:00 a.m. Water level depressed somewhat by continuous withdrawal from adjacent wells.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	26.14	Apr. 6	22.89	July 13	27.50	Oct. 6	a28.96
12	26.04	13	20.94	20	28.21	12	28.81
19	26.09	20	19.40	27	28.92	19	29.05
26	27.04	27	19.36	Aug. 3	29.35	26	28.56
Feb. 2	26.20	May 4	22.28	10	29.48	Nov. 2	29.32
6	a24.49	11	22.46	11	a29.61	9	28.46
9	24.45	18	21.81	17	29.60	16	27.20
16	24.69	25	21.71	24	29.58	23	25.85
23	27.42	June 1	a20.20	31	29.42	30	23.03
Mar. 2	26.59	8	24.72	Sept. 7	29.44	Dec. 7	26.65
9	27.34	15	25.10	14	29.62	12	a26.24
16	23.56	22	25.36	21	29.52	14	25.70
23	25.85	29	25.02	28	28.66	21	25.03
30	a25.28	July 6	26.24	Oct. 5	29.16	28	26.01

25/43-11G3.(886,p.919; *889-B, pp.98-99; 910,p.170; 940,p.145).Owner's well 3. City of Spokane,Water Division. Land-surface datum is levelwith reference bench mark, 1,902.11 feet above sea-level datum of 1929, 1,918.67 feet above city datum, 118.67 feet above local datum used in previous reports, and 0.02 foot above measuring point, which is top of 2-inch plank deck opposite ladder. Except as indicated by footnote, water levels are from float-gage readings by city Water Division, ordinarily at 8 a.m. Water depressed somewhat by continuous withdrawal from adjacent wells.

a Tape measurement by Geological Survey.

25/43-11G3.Owner's well 3--Continued.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	25.71	Apr. 6	22.46	July 13	27.07	Oct. 6	a28.48
12	25.38	13	20.51	20	27.78	12	28.38
19	25.66	20	18.97	27	28.49	19	28.62
26	26.63	27	18.93	Aug. 3	28.93	26	28.13
Feb. 2	25.77	May 4	21.85	10	29.05	Nov. 2	28.89
6	a24.01	11	23.03	11	a29.13	9	28.03
9	24.02	18	21.38	17	29.17	16	26.77
16	24.26	25	21.28	24	29.15	23	25.42
23	26.99	June 1	a19.70	31	28.99	30	22.60
Mar. 2	26.16	8	24.29	Sept. 7	29.01	Dec. 7	16.22
9	26.94	15	24.71	14	29.19	12	a25.76
16	23.13	22	24.93	21	29.09	14	25.27
23	25.22	29	24.59	28	28.23	21	24.60
30	a24.78	July 6	25.82	Oct. 5	28.73	28	25.58

25/43-11G4 (886,p.919; *889-B,pp.99-100; 910,p.171; 940,p.145). Owner's well 4. City of Spokane, Water Division. Land-surface datum is 1,902.04 feet above sea-level datum of 1929, 1,918.60 feet above city datum, 118.60 feet above local datum used in previous reports, and 0.94 foot above measuring point, which is top of 8-inch stilling pipe. Water level depressed moderately by continuous withdrawal from this well or adjacent wells, or from both.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 6	25.19	June 1	20.27	Oct. 6	29.94
Mar. 30	25.34	Aug. 11	30.82	Dec. 12	26.77

25/43-11G5 (*889,p.919; 910, p.171; 940,p.146). Owner's well 5. City of Spokane, Water Division. Land-surface datum is identical with that for well 11G4. Water level depressed moderately by continuous withdrawal from this well or adjacent well, or both.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 6	25.12	June 1	20.29	Oct. 6	29.05
Mar. 30	25.34	Aug. 11	31.62	Dec. 12	26.63

25/43-11G6 (886,p.919; *889-B,pp.101-107; 910,p.171; 940,p.146). Owner's "gage well" 1. City of Spokane, Water Division. Land-surface datum is 1,934.31 feet above sea-level datum of 1929, 1,950.87 feet above city datum, 150.87 feet above local datum used in previous reports, and 1.47 feet below measuring point. Water level usually depressed somewhat by continuous withdrawal from adjacent wells. Water level May 27, 1941: 96.09 feet (erroneously published in Water-Supply Paper 940 as 94.09 feet)

Noon water level, in feet below land-surface datum, 1942
(Selected levels, from recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	56.02	Mar. 10	57.24	May 15	53.82	July 20	58.60
10	57.22	15	54.01	20	53.07	25	58.72
15	55.26	20	55.01	25	52.31	31	59.46
20	56.41	25	55.87	31	50.83	Aug. 5	59.58
25	57.64	31	55.89	June 5	55.40	10	59.76
31	56.22	Apr. 5	53.42	10	55.04	15	59.95
Feb. 5	55.72	10	52.58	15	55.29	20	60.16
10	54.79	15	50.72	20	55.28	25	60.02
15	55.10	20	50.15	25	55.29	31	59.82
20	56.48	25	49.88	30	55.58	Sept. 5	60.11
25	56.91	30	50.80	July 5	56.26	10	59.94
28	56.61	May 5	54.63	10	58.50	15	59.94
Mar. 5	57.16	10	54.94	15	58.55	20	59.94

a Tape measurement by Geological Survey.

25/43-11G6. Owner's "gage well" 1--Continued.

Noon water level, in feet below land-surface datum, 1942
(Selected levels, from recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 25	59.12	Oct. 20	59.04	Nov. 15	57.65	Dec. 10	56.53
30	59.32	25	59.22	20	56.97	15	56.64
Oct. 5	59.64	31	59.44	25	53.63	20	55.37
10	59.76	Nov. 5	59.94	30	53.83	25	55.53
15	59.30	10	58.80	Dec. 5	56.87	31	55.39

25/43-11K1. (886,p.920; *889-B,pp.108-113; 910,p. 171; 940, p.146). Owner's "gage well" 2. City of Spokane, Water Division. Land-surface datum is level with reference bench mark, 1,945.37 feet above sea-level datum of 1929, 1,961.93 feet above city datum, 161.93 feet above local datum used in previous reports, and 7.49 feet above measuring point. Water level usually depressed somewhat by continuous withdrawal from adjacent wells.

Noon water level, in feet below land-surface datum, 1942
(Selected levels, from recorder charts)

Feb. 6	a65.85	May 25	62.88	Aug. 10	69.27	Oct. 25	69.20
Mar. 16	b64.58	31	61.30	15	69.43	31	69.42
20	c65.53	June 5	64.92	20	69.61	Nov. 5	69.68
27	d66.03	10	65.11	25	69.65	10	68.88
31	66.14	15	65.32	31	69.65	15	68.08
Apr. 5	64.18	20	65.33	Sept. 5	69.76	20	67.38
10	63.19	25	65.39	10	69.67	25	64.55
15	61.68	30	65.42	15	69.76	30	64.42
20	60.86	July 5	65.99	20	69.74	Dec. 5	66.99
25	60.56	10	67.80	25	69.06	10	66.74
30	61.17	15	68.09	30	68.97	15	66.70
May 5	64.39	20	67.89	Oct. 5	69.20	20	65.97
10	65.01	25	68.22	10	69.48	25	65.92
15	64.16	31	68.94	15	69.22	31	66.71
20	63.35	Aug. 5	69.06	20	69.09		

25/43-14K1 (886,p.920; *889-B,pp.113-114; 910,p.172; 940,p.147). Washington Water Power Co. well 3. Ohio Match Co. Land-surface datum, 1,927.40 feet above sea-level datum of 1929, 131.74 feet above local datum used in previous reports, and 0.80 foot above measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 2	e44.98	Mar. 31	e46.55	June 6	e45.86	Oct. 6	c49.21
Feb. 6	46.70	May 6	44.12	Aug. 11	e48.97	Nov. 12	e48.90
Mar. 3	e46.91	June 1	e42.52	Sept. 18	e49.60	Dec. 12	e46.55

25/43-17D1 (886,p.921; *889-B,pp.114-115; 910,p.172; 940,p.147). Washington Water Power Co. well 88. New Method Laundry. Land-surface datum is 1,909.22 feet above sea-level datum of 1929, 112.86 feet above local datum used in previous reports, and 42.40 feet above measuring point, which is floor of pump station.

Water level, in feet below land-surface datum, 1942

Jan. 2	e46.88	Mar. 30	48.29	July 6	e47.45	Oct. 6	e49.98
Feb. 4	e48.47	May 6	e46.20	Aug. 11	e49.47	Nov. 12	e50.05
Mar. 3	e48.55	June 1	e45.85	Sept. 18	e50.14	Dec. 11	e48.83

25/44-2B1 (886,p.921; *889-B,pp.115-116; 910,p.172; 940,p.147). Washington Water Power Co. well 49. Trentwood Irrigation District. Land-surface datum is 2,035.30 feet above sea-level datum of 1929, 138.76 feet above local datum used in previous reports, and 1.50 feet below measuring point.

a At 1:30 p.m.
b At 3:45 p.m.
c At 4:30 p.m.
d At 1:45 p.m.
e Pump operating in well.

25/44-2B1 Washington Water Power Co.--Continued.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	a99.04	Mar. 31	101.23	July 3	a97.75	Oct. 8	101.82
Feb. 6	100.67	May 5	97.14	Aug. 11	a101.03	Nov. 10	102.75
Mar. 2	100.56	June 1	a96.92	Sept.14	101.04	Dec. 12	100.92

25/44-15E1 (886,p.921; *889-B,pp.118-119; 910,p.173; 940,p.147). Washington Water Power Co. well 15. Owner's well 5. Modern Electric Water Co. Land-surface datum is 2,052.17 feet above sea-level datum of 1929, 156.70 feet above local datum used in previous reports, and 0.50 foot below measuring point (2). Float gage installed Aug. 29, 1942. Readings made by maintenance men unless otherwise indicated. One or more of 3 pumps operating in well at time of each measurement.

Water level, in feet below land-surface datum, 1942

Jan. 2	b132.12	Aug. 29	b141.13	Oct. 8	b135.78	Nov. 14	136.19
Feb. 5	b133.89	Sept. 5	141.47	10	136.27	21	136.05
Mar. 3	b133.70	12	140.95	17	136.02	29	134.35
31	b133.70	14	b140.89	24	136.74	Dec. 7	134.77
May 6	b131.22	19	136.40	31	136.75	12	134.72
June 1	b130.32	27	136.26	Nov. 7	136.45	19	134.20
July 6	b135.90	Oct. 3	136.11	10	b136.37	26	134.09
Aug. 11	b139.95						

25/44-19D1 (886,p.921;*889-B,pp.119-121; 910,p.173;940,p.148). Washington Water Power Co. well 5. Edgecliff Sanitarium. Land-surface datum is 1,969.57 feet above sea-level datum of 1929, 162.70 feet above local datum used in previous reports, and 1.27 feet below measuring point (5). (In Water-Supply Paper 940, the following note was omitted in reference to the record for Aug. 8, 1941: Pump operating in well.)

Water level, in feet below land-surface datum, 1942

Jan. 2	76.38	Mar. 31	a78.45	July 6	a77.25	Oct. 8	80.74
Feb. 6	a78.94	May 6	75.32	Aug. 11	a80.22	Nov. 10	81.01
Mar. 3	a78.51	June 3	74.86	Sept.18	80.99	Dec. 12	a79.18

25/45-16C1 (886,p.922; *889-B,pp.126-127; 910,p.173; 940,p.148). Washington Water Power Co. well 38. Inland Empire Paper Co. Land-surface datum is 2,055.89 feet above sea-level datum of 1929, 160.42 feet above local datum used in previous reports, and level with top of 4-by 12-inch I-beam. Float gage installed Aug. 29, 1942. Mrs. Levira Vigue, observer.

Noon water level, in feet below land-surface datum minus 100, 1942
(Selected levels from recorder charts)

Jan. 5	6.44	May 15	4.43	July 31	5.42	Oct. 20	8.59
Feb. 6	7.65	20	4.23	Aug. 5	5.72	25	8.72
Mar. 5	7.68	25	4.02	10	5.95	31	8.90
10	7.87	31	3.35	15	6.15	Nov. 5	9.18
15	7.68	June 5	3.16	20	6.34	10	9.31
20	7.48	10	3.45	25	6.50	15	9.10
25	7.55	15	3.57	31	6.68	20	8.80
Apr. 5	7.55	20	3.61	Sept. 5	6.80	25	8.15
11	7.03	25	3.67	10	6.94	30	7.25
15	6.49	30	3.69	15	7.07	Dec. 5	7.34
20	5.65	July 5	3.71	20	7.34	10	7.57
25	4.87	10	4.06	25	7.57	15	7.56
30	4.35	15	4.46	29	7.64	20	7.37
May 5	4.21	20	4.68	Oct. 10	8.15	25	7.20
10	4.48	25	5.02	15	8.37	31	7.29

a Pump operating in well.
b Measurement by Washington Water Power Co. or Geological Survey.

25/45-18A1 (886,p.923; *889-B,pp.127-128; 910,p.174; 940,p.149). Washington Water Power Co. well 40. O. B. Nilson. Land-surface datum is level with reference bench mark, 2,036.80 feet above sea-level datum of 1929, 139.67 feet above local datum used in previous reports, and 79.49 feet above measuring point, which is top of concrete pump floor.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6	92.04	May 6	88.68	Aug. 12	90.99	Nov. 10	93.82
Mar. 2	92.09	June 3	87.62	Sept.14	91.89	Dec. 14	92.14
31	92.08	July 6	88.40	Oct. 7	92.77		

25/44-21J1 (886,p.922; *889-B,pp.121-122; 910,p.173; *940,p.148). Washington Water Power Co. well 17. Owner's well 3. Modern Electric Water Co. Land-surface datum is 2,021.63 feet above sea-level datum of 1929, 125.77 feet above local datum used in previous reports, and 0.66 foot below measuring point (6).

Water level, in feet below land-surface datum, 1942

Jan. 2	104.84	Mar. 31	101.32	July 6	a103.83	Oct. 8	103.32
Feb. 5	101.70	May 6	98.53	Aug. 12	a106.72	Nov. 10	103.79
Mar. 3	101.14	June 3	98.16	Sept.14	a107.74	Dec. 12	102.12

25/44-22N1. Owner's well 7. Modern Electric Water Co. SW¼SW¼ sec. 22, T. 25 N., R. 44 E., about 1 mile south of Opportunity, 0.16 mile east of Madison Road, in well house in group of buildings. Irrigation and public-supply dug well, 162 feet deep, 7.5 feet in diameter, concrete casing. Measuring point, top edge of strap-iron support for conduit at northeast side of well, 0.1 foot below cement floor of well house, and 1.00 foot above land-surface datum. Land-surface datum is about 2,065 feet above sea-level datum of 1929. Two centrifugal pumps rated as 1,500 and 300 gallons a minute, respectively, on platform 135 feet below land surface. Draw-down about 4.5 feet after both pumps have run several hours. Float gage installed Sept. 2, 1942. Measurements by maintenance man unless otherwise indicated.

Water level, in feet below land-surface datum, 1942

Apr. 13	c142.37	Oct. 15	b146.36	Nov. 19	b146.55	Dec. 14	bc145.05
Sept. 2	bc149.38	21	b146.49	26	b146.14	16	b145.05
7	146.15	28	b146.60	Dec. 3	b145.08	23	b145.52
13	b146.59	Nov. 4	b146.74	10	b145.04	30	b144.69
Oct. 8	bc146.26	11	b147.52				

25/44-23D1 (886,p.922; *889-B,pp.123-124; 910,p.173; 940,p.148). Lewis A. Lewis. Land-surface datum is level with top of curb, 2,016.74 feet above sea-level datum of 1929, 116.74 feet above local datum used in previous reports, and 3.76 feet below measuring point, which is top of paling in wood barricade.

Water level, in feet below land-surface datum, 1942

Jan. 2	88.74	Mar. 31	90.17	July 6	a88.74	Oct. 8	92.18
Feb. 5	90.40	May 6	87.46	Aug. 12	a91.72	Nov. 10	92.64
Mar. 3	90.13	June 3	86.68	Sept.14	92.24	Dec. 14	90.78

25/45-10C1(886,p.922; *889-B,p.125; 910,p.173; 922,p.173; 940,p.148). Washington Water Power Co. well 41. Mrs. George Clark. Formerly owned by W. C. Lielman. Land-surface datum is 2,019.54 feet above sea-level datum of 1929, 124.31 feet above local datum used in previous reports, and 0.50 foot below measuring point, which is top of 4- by 4-inch stringer of well deck.

Water level, in feet below land-surface datum, 1942

Feb. 5	65.25	June 20	d61.34	July 15	62.31	Sept.14	64.75
Mar. 2	65.25	25	61.36	20	62.48	Oct. 7	65.78
31	65.62	30	61.36	25	62.79	Nov. 10	67.15
May 5	62.17	July 5	61.47	Aug. 12	63.80	Dec. 14	64.79
June 3	60.61	10	61.94				

a Pump operating in well.
b One or both pumps operating in well.
c Measurement by Geological Survey.
d Water levels for June 19 to July 25 obtained from recorder chart.

26/43-7Q1. C. E. Marr. SW¼SE¼ sec. 7, T. 26 N., R. 43 E., about 3.5 miles north of Spokane city boundary, 0.5 mile east of intersection of Waikiki Road and road to Dartford, beneath frame pump house in open field. Unused dug irrigation well, depth 86.9 feet, diameter 6 feet, brick casing. Measuring point (2), top south edge of 2-by 4-inch timber grating over well, at copper nail with washer, 1.00 foot above land-surface datum and about 1,795 feet above sea-level datum of 1929. Water-level recorder installed Oct. 6, 1942. Water levels from recorder charts unless otherwise indicated.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 27	a76.30	Oct. 20	76.60	Nov. 15	76.80	Dec. 10	76.92
Sept.16	a76.35	25	76.63	20	76.83	15	76.93
Oct. 6	76.50	31	76.69	25	76.86	20	76.95
10	76.54	Nov. 5	76.73	30	76.88	25	76.95
15	76.57	10	76.77	Dec. 5	76.89	31	76.95

26/43-19A1.(886,p.923; *889-B,pp.128-129; 910,p.174; 940,p.149). Country Homes Estates. Land-surface datum is 1,935.91 feet above sea-level datum of 1929, 185.91 feet above local datum used in previous reports and 1.50 feet below measuring point. Float gage installed Aug. 31, 1942; A. O. Brown, observer.

Water level, in feet below land-surface datum, 1942

Jan. 2	b137.00	Aug. 31	b136.53	Oct. 12	136.87	Dec. 7	137.19
Feb. 4	bc136.93	Sept. 7	136.54	19	136.93	14	137.19
Mar. 3	bc136.40	14	136.65	26	136.99	15	137.17
30	b136.73	18	b136.75	Nov. 2	137.03	15	bc137.69
May 6	b136.13	21	136.66	9	137.15	21	137.09
June 1	bc136.13	28	136.76	16	137.26	25	137.09
July 6	b135.60	Oct. 5	136.31	22	137.31	27	137.06
Aug. 11	bc138.23	6	bc138.74	30	137.27		

26/43-34P1 (886,p.923; *889-B,pp.129-131; 910,p.174; 940,p.149). Washington Water Power Co. well 80. Great Northern Railway Co. Land-surface datum is 2,035.98 feet above sea-level datum of 1929, 234.12 feet above local datum used in previous reports, and 0.60 foot below measuring point (2), which is inner lip of concrete curb. Unless otherwise indicated, water levels are from float gage read by owner.

Water level, in feet below land-surface datum, 1942

Jan. 2	177.8	Mar. 30	ad177.63	June 27	175.4	Sept.19	179.0
10	177.8	Apr. 7	176.2	July 3	175.6	28	179.1
17	176.8	14	176.2	11	176.0	Oct. 5	178.8
24	176.0	21	174.8	18	176.0	6	ad180.02
31	176.0	28	174.2	25	176.8	10	178.2
Feb. 4	ad177.62	May 2	174.2	Aug. 1	177.0	20	177.8
7	176.0	9	174.2	10	177.7	26	178.8
14	176.0	16	174.5	11	ad179.09	Nov. 9	178.9
21	176.0	25	174.8	15	178.0	16	179.1
28	176.0	29	174.6	18	178.2	22	178.6
Mar. 7	176.0	June 1	a174.73	22	178.2	Dec. 3	177.9
14	176.0	6	174.6	29	179.2	12	177.8
21	176.0	13	174.9	Sept. 5	179.6	29	177.7
28	176.0	20	175.2	12	179.1		

Spokane County-Sunset Prairie

24/41-10A1. Delbert Kramer. NE¼NE¼ sec. 10, T. 24 N., R. 41 E., about 3 miles northeast of Medical Lake, 0.10 mile south and 0.22 mile west of intersection of section-line roads, beneath shed just east of residence. Drilled domestic and stock well, diameter 6 inches, depth 185 feet, open-bottom steel casing, lift pump. Measuring point (2), edge of ½-inch tapped hole in base of pump, 0.20 foot above top of casing, and 0.50 foot above land-surface datum. Land-surface datum is about 2,385 feet above sea-level datum of 1929. Well taps water in basalt. Water level draws down several feet and recovers slowly under intermittent withdrawals.

a Tape measurement by Geological Survey.
b Measurement by Geological Survey or Washington Water Power Co.
c One or two pumps operating in well. d Pump operating in well.

24/41-10A1. Delbert Kramer--Continued.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Apr. 23	30.04	July 26	32.56	Dec. 16	34.62
June 4	30.18	Oct. 9	37.05		

25/41-28R1. United States Army. SE¼SE¼ sec. 28, T. 25 N., R. 41 E., about 7 miles west of Spokane city boundary, 1.0 mile south of U. S. Highway 10, and about 150 feet east and 100 feet north from intersection of section-line roads, in concrete pit. Formerly school supply. Drilled well, diameter 6 inches, depth 76 feet, open-bottom steel casing. Measuring point, bottom edge of plank pit cover, level with top of concrete pit, and even with land-surface datum. Land-surface datum is about 2,415 feet above sea-level datum of 1929. Taps water in basalt.

Water level, in feet below land-surface datum, 1942

Apr. 24	9.81	July 25	10.63	Dec. 16	10.72
June 4	10.10	Oct. 9	10.97		

25/41-36R1. J. D. Stark. SE¼SE¼ sec. 36, T. 25 N., R. 41 E., about 1.8 miles south of U.S. Highway 10, 0.15 mile west of U.S. Highway 395, in frame pump house in field. Dug and drilled stock and irrigation well, diameter 48 and 6 inches, reported depth 250 feet, dug 75 feet and drilled 175 feet, brick curb and steel casing, force pump with pump jack. Measuring point, top of plank pump deck, at copper nail with washer, west of gasoline engine, level with land-surface datum. Land-surface datum is about 2,390 feet above sea-level datum of 1929. Taps water in basalt.

Water level, in feet below land-surface datum, 1942

Apr. 23	21.28	Aug. 6	24.05	Dec. 16	26.31
June 4	22.52	Oct. 9	25.26		

Whitman County-Palouse River area
Water-table wells

14/45-11N2 (*840, p. 633; 845, p. 696; 886, p. 925; 910, p. 176; 940, p. 150). Geological Survey. Land-surface datum is 16.50 feet above assumed datum used in previous reports and 0.50 foot below measuring point.

Water level, in feet below land-surface datum, 1942

Feb. 4	3.45	June 6	4.70	Oct. 5	7.99
Apr. 1	3.70	Aug. 13	7.44	Dec. 10	6.28

15/46-20K1 (*777, pp. 261-262; 817, pp. 487-496; 490-491; *840, pp. 628-630; 845, p. 690). Formerly well 7. J. D. Carson. Formerly owned by C. Stirewalt. Land-surface datum is 17.20 feet above assumed datum used in previous reports, and 1.10 feet below measuring point. Water levels, in feet below land-surface datum, 1942: Aug. 13, 7.01; Oct. 5, 7.38; Dec. 10, 7.57.

1N (*817, pp. 487-496; *845, pp. 684-705; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30F1. Soil Conservation Service. Land-surface datum is 2,551.01 feet above sea-level datum of 1929 and 1.00 foot below measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	39.90	Mar. 2	38.50	Apr. 11	37.90	July 18	39.32
24	39.94	7	38.73	18	38.23	Sept. 5	39.57
31	37.66	14	35.33	May 9	38.29	Oct. 17	39.92
Feb. 7	32.33	21	35.74	16	38.56	Nov. 14	39.85
14	36.88	28	37.53	June 6	38.70	Dec. 23	40.02
21	38.42	Apr. 4	37.65				

2N (*817, pp. 487-496; *845, pp. 684-705; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30C1. Soil Conservation Service. Land-surface datum is 2,510.58 feet above sea-level datum of 1929 and 1.60 feet below measuring point (2).

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	5.77	Mar. 2	2.46	Apr. 11	3.25	July 18	5.54
24	5.80	7	1.82	18	3.55	Sept. 5	5.83
31	2.79	14	1.17	May 9	4.17	Oct. 17	6.28
Feb. 7	1.10	21	1.50	16	4.36	Nov. 14	6.11
14	1.62	28	2.33	June 6	4.60	Dec. 23	2.40
21	2.40	Apr. 4	2.76				

3N (*817, pp. 487-496; *845, pp. 684-705; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30C2. Soil Conservation Service. Land-surface datum is 2,524.66 feet above sea-level datum of 1929 and 1.90 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 16	26.10	Mar. 2	25.46	Apr. 11	25.15	July 18	26.13
24	26.15	7	25.48	18	25.24	Sept. 5	26.50
31	26.00	14	25.35	May 9	25.36	Oct. 17	26.77
Feb. 7	25.80	21	25.30	16	25.50	Nov. 14	26.78
14	25.63	28	25.20	June 6	25.66	Dec. 23	26.28
21	25.47	Apr. 4	25.09				

1E (*817, pp. 487-496; *845, pp. 684-705; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30F8. Soil Conservation Service. Land-surface datum is 2,585.10 feet above sea-level datum of 1929 and 2.60 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 16	73.04	Mar. 2	72.22	Apr. 11	71.68	July 18	72.50
24	73.06	7	72.31	18	71.77	Sept. 5	72.77
31	73.04	14	72.14	May 9	71.60	Oct. 17	73.11
Feb. 7	72.88	21	71.95	16	71.85	Nov. 14	73.12
14	72.80	28	71.85	June 6	71.95	Dec. 23	72.81
21	72.48	Apr. 4	72.56				

3E (*817, pp. 487-496; *845, pp. 684-705; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30G1. Soil Conservation Service. Land-surface datum is 2,548.90 feet above sea-level datum of 1929 and 1.40 feet below measuring point (3).

Water level, in feet below land-surface datum, 1942

Jan. 16	25.44	Mar. 2	21.46	Apr. 11	20.31	July 18	25.26
24	25.53	7	22.37	18	21.43	Sept. 5	25.62
31	25.59	14	21.56	9	23.64	Oct. 17	26.00
Feb. 7	25.10	21	20.05	16	23.98	Nov. 14	25.96
14	20.85	28	19.00	6	24.35	Dec. 23	20.32
21	19.80	Apr. 4	19.16				

4E (*817, pp. 487-496; *845, pp. 684-705; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30G2. Soil Conservation Service. Land-surface datum is 2,565.18 feet above sea-level datum of 1929, and 2.30 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 16	38.10	Mar. 2	37.47	Apr. 11	36.77	July 18	38.04
24	38.18	7	37.56	18	37.22	Sept. 5	38.25
31	38.16	14	37.33	May 9	37.14	Oct. 17	38.57
Feb. 7	37.25	21	36.10	16	37.36	Nov. 14	38.50
14	37.10	28	36.38	June 6	37.47	Dec. 23	38.06
21	37.17	Apr. 4	36.69				

5E (*817, pp. 487-496; *845, pp. 684-705; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30G3. Soil Conservation Service. Land-surface datum is 2,594.12 feet above sea-level datum of 1929 and 1.60 feet above measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	68.27	Mar. 2	67.73	Apr. 11	67.01	July 18	68.38
24	68.32	7	67.76	18	67.80	Sept. 5	68.55
31	68.07	14	67.80	May 9	67.92	Oct. 17	68.74
Feb. 7	67.80	21	67.78	16	68.01	Nov. 14	68.75
14	67.68	28	67.23	June 6	68.15	Dec. 23	51.37
21	67.61	Apr. 4	67.65				

1S (*817, pp. 487-497; *845, pp. 684-707; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30F2. Soil Conservation Service. Land-surface datum is 2,586.93 feet above sea-level datum of 1929 and 1.80 feet below measuring point (2).

Water level, in feet below land-surface datum, 1942

Jan. 16	76.43	Mar. 3	75.30	Apr. 11	74.70	July 18	75.95
24	76.50	7	75.47	18	75.00	Sept. 5	76.19
31	76.52	14	75.20	May 9	75.00	Oct. 17	76.55
Feb. 7	76.27	21	74.96	16	75.25	Nov. 14	76.46
14	75.85	28	74.74	June 6	75.36	Dec. 23	76.60
21	75.30	Apr. 4	74.49				

2S (*817, pp. 487-497; *845, pp. 684-707; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30F3. Soil Conservation Service. Land-surface datum is 2,556.39 feet above sea-level datum of 1929 and 1.00 foot below measuring point (2).

Water level, in feet below land-surface datum, 1942

Jan. 16	47.80	Mar. 2	46.93	Apr. 11	46.36	July 18	47.46
24	47.87	7	47.03	18	46.53	Sept. 5	47.64
31	47.94	14	46.71	May 9	46.57	Oct. 17	48.01
Feb. 7	47.55	21	46.65	16	46.80	Nov. 14	47.74
14	47.32	28	46.50	June 6	46.90	Dec. 23	47.97
21	46.80	Apr. 4	46.13				

3S (*817, pp. 487-497; *845, pp. 684-707; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30F4. Soil Conservation Service. Land-surface datum is 2,522.02 feet above sea-level datum of 1929, and 1.90 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 16	19.01	Mar. 2	18.86	Apr. 11	18.11	July 18	19.21
24	19.14	7	18.94	18	18.98	Sept. 5	19.11
31	19.09	14	18.65	May 9	18.90	Oct. 17	19.32
Feb. 7	18.74	21	18.74	16	19.00	Nov. 14	18.93
14	18.78	28	18.81	June 6	18.97	Dec. 23	19.10
21	18.68	Apr. 4	18.64				

4S (*817, pp. 487-497; *845, pp. 684-707; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30F5. Soil Conservation Service. Land-surface datum is 2,499.47 feet above sea-level datum of 1929, and 1.00 foot below measuring point.

Water level, in feet below land-surface datum, 1942

Jan. 16	1.70	Mar. 2	0.64	Apr. 11	1.68	July 18	3.80
24	1.31	7	.87	18	1.60	Sept. 5	4.75
31	.54	14	.52	May 9	2.01	Oct. 17	3.95
Feb. 7	.40	21	.70	16	1.74	Nov. 14	3.71
14	.71	28	1.13	June 6	2.13	Dec. 23	.88
21	1.37	Apr. 4	1.23				

5S (*817, pp. 487-497; *845, pp. 684-707; 886, p. 927; 910, p. 178; 940, p. 150). Location 15/45-30P6. Soil Conservation Service. Land-surface datum is 2,511.75 feet above sea-level datum of 1929, and 1.40 feet below measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	9.36	Mar. 2	6.24	Apr. 11	6.01	July 18	9.52
24	9.55	7	6.00	18	6.36	Sept. 5	9.87
31	8.53	14	5.20	May 9	7.44	Oct. 17	10.22
Feb. 7	5.90	21	4.68	16	7.65	Nov. 14	9.51
14	5.26	28	5.13	June 6	8.42	Dec. 23	3.53
21	5.74	Apr. 4	5.48				

Confined-water (artesian) wells

14/45-4N1 (*845, p. 710; 886, p. 928; 910, p. 179; 940, p. 151). J. T. Graham. Land-surface datum is 2,381.96 feet above sea-level datum of 1929 and 2.80 feet above measuring point.

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 3	42.43	June 6	42.50	Oct. 5	43.93
Apr. 1	42.74	Aug. 13	43.86	Dec. 10	43.65

14/45-5B1 (*845, p. 710; 886, p. 928; 910, p. 179; 940, p. 151). Washington State College well 1. Land-surface datum is 2,363.04 feet above sea-level datum of 1929 and 1.50 feet below measuring point (2).

Water level, in feet below land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 3	25.10	June 6	25.36	Oct. 5	26.82
Apr. 1	25.44	Aug. 13	a28.54	Dec. 10	26.26

14/45-5D2 (*845, p. 711; 886, p. 928; 910, p. 179; 940, p. 151). Standard Lumber Co. Land-surface datum is 2,336.35 feet above sea-level datum of 1929 and 3.80 feet below measuring point (3).

Water level, in feet, with reference to land-surface datum, 1942

Date	Water level	Date	Water level	Date	Water level
Feb. 3	+1.54	June 6	+1.36	Oct. 5	-0.12
Apr. 1	+1.17	Aug. 13	-.15	Dec. 10	+.39

a Pump operating in nearby well.

WYOMING

By A. M. Morgan and J. B. Graham

INTRODUCTION

The investigation of the ground-water resources of the Egbert-Pine Bluffs and Cheyenne areas, in Laramie County, southeastern Wyoming, was continued in 1942 by the Geological Survey, United States Department of the Interior, in cooperation with the Wyoming State Planning and Water Conservation Board. In the Cheyenne area the city of Cheyenne cooperated. During the year an investigation was begun by the Federal Geological Survey, in cooperation with the State Planning and Water Conservation Board, in two additional areas--the Carpenter area, Laramie County, and the Laramie area, Albany County. In the Laramie area the city of Laramie cooperated. In all four areas the investigation includes the periodic measurement of water levels in observation wells.

FLUCTUATIONS OF WATER LEVEL

Laramie County

Egbert - Pine Bluffs area

The Egbert-Pine Bluffs area lies in the drainage basin of Lodgepole Creek. It adjoins the Carpenter area, which is essentially an enlargement of it, on the south and west, and together they cover about 400 square miles in the extreme southeastern part of the State. The principal aquifer in the area is the Brule formation, of Oligocene age, which underlies the lowlands of Lodgepole Creek and its principal tributaries. The ground water in the Brule formation occurs in fractures and joints in the weathered upper part of the formation, where it is exposed at the surface or is mantled by Quaternary deposits. In 1942 approximately 5,500 acres of land in the area were irrigated by ground water, nearly all of which was derived from the Brule formation.

Wells 1-6, 8, 9, 12-14, 17-21, 23, 24, 26-28, and 30 are in the lowland part of the area, and in all of these except Nos. 3 and 4 the aquifer is

the Brule formation. In all there is a seasonal fluctuation of water levels that ranges from less than 1 foot, in wells that are several miles from Lodgepole Creek or its larger tributaries, to as much as 12 feet, in wells in the valleys of the larger ephemeral or intermittent streams.

The principal causes of the seasonal rise of water levels are the heavy rains in early summer and the increase in recharge in winter and spring from the upper stretches of Muddy Creek, one of the main tributaries of Lodgepole Creek. Nearly all the Brule-formation wells responded to the heavy rains of May 1942 with rises of water level, which ranged from 0.1 foot to 3.3 feet. The average rise in 20 of these wells was 2.2 feet. In the valley of Muddy Creek the water levels in the Brule-formation wells (Nos. 12, 14, 20, 27, and 28) rise in the winter and spring as the perennial stretch of Muddy Creek advances and decline in the summer as transpiration and irrigation decrease the flow of the stream.

In the uplands east and west of the Brule outcrops this formation is overlain by later Tertiary deposits belonging to the Ogallala and Arikaree formations. In these parts of the area, ground water is used only for stock and domestic purposes and is derived from Tertiary beds of post-Brule age. Wells 10, 11, 15, 16, 22, 29, 31, 32, and 33 are in the uplands west of the Brule outcrops. The aquifers here are beds of the Ogallala and Arikaree formations. The water levels in these wells fluctuate little. Except as they were affected by pumping, they varied less than 0.25 of a foot in 1942.

Precipitation in the Egbert-Pine Bluffs area was above normal in 1942, measuring 2.53 inches at Pine Bluffs. The water levels in the Brule-formation wells rose following the early summer rains and declined through the irrigation season, in late summer. In most wells, however, the decline was less than the rise that had taken place earlier, and as a result the water levels in general were higher in December 1942 than in December 1941. In 6 of the 22 wells tapping the Brule formation, however, the water levels were 0.16 to 0.59 foot lower in December 1942 than in December 1941. In the remaining 16 wells the water levels were 0.13 foot to 5.24 feet higher in December 1942 than in December 1941. The average net change for the 22 wells from December 1941 to December 1942 was a rise of 1.79 feet. In the same period the water levels in the wells in the western part of the area that encountered water in post-Brule formations declined 0.06 to 0.09 foot

in four wells, rose 0.06 foot in one well and 0.18 foot in one, and did not change in one. The average net change for the seven wells was a decline of 0.01 foot.

Carpenter area

The Carpenter area extends along the southern boundary of Wyoming, in a belt 4 to 10 miles wide, from the Nebraska State line west to the west line of R. 65 W. a distance of 34 miles. It adjoins the Egbert-Pine Bluffs area on the north and east and the Cheyenne area on the west. It is essentially an enlargement of the Egbert-Pine Bluffs area, and together they occupy about 400 square miles in the extreme southeastern part of the State. Crow Creek crosses the Carpenter area diagonally from northwest to southeast and passes out of the State near the town of Carpenter. The investigation of the ground-water resources in this area was begun in August 1942.

The northern and western parts of the Carpenter area are underlain by the Ogallala and Arikaree formations, and ground-water conditions in the parts are similar to those in the western part of the Egbert-Pine Bluffs area, which is also underlain by these two formations. In these parts ground water is used only for stock and domestic purposes. The water table lies at depths of 60 to 150 feet below the surface.

Along Crow Creek in the vicinity of Carpenter the Brule formation is exposed in an embayment in the High Plains that extends for about 5 miles upstream from the State line. The Brule outcrop is about 16 square miles in area and lies mostly west of Crow Creek and east of a prominent north-south escarpment formed by the Arikaree formation about 4 miles west of the creek. Wells 46, 47, 52, 56, 75 are in the Crow Creek embayment and tap aquifers in the Brule formation. A few wells have been drilled for irrigation in this locality, but at present none of them yield enough water to be of use for this purpose.

At the head of the Crow Creek embayment Crow Creek makes an abrupt bend from a course approximately S. 75° E. to a course approximately due south. A broad flat bench extends eastward from the south-flowing stretch of this creek to the valley of a southern tributary of Muddy Creek. This tributary separates the eastern edge of the bench from the prominent Pine Bluffs escarpment that parallels the Nebraska-Wyoming State line. The bench extends

northward from south of the Colorado-Wyoming State line 3 to 6 miles into Wyoming. Its northern boundary is merely a faint break in slope that marks its separation from the upland plains level.

The area of the bench in Wyoming is about 50 square miles. It is underlain by a layer of sands, gravels, and clays that varies in thickness and that rests on the Brule formation. The gravels appear to be a part of a broad Quaternary terrace deposit that was formed by Crow Creek. They range in thickness from about 40 feet to more than 150 feet. Their permeability varies considerably. Some wells that were drilled in them for irrigation are failures, but a few others are successes, their yields ranging from 400 to 1,500 gallons a minute. Wells 42-45, 53, 63, 65-67, and 72-74 are on this bench and penetrate water-bearing gravels.

The water levels in most of the wells in the part of the Carpenter area that is in the High Plains changed little during the period August to December 1942. No records are available for the period January to July. In wells that penetrate the Brule formation or the bench gravels the water levels rose during the latter part of the year, particularly in those near Crow Creek. Crow Creek is normally dry where it crosses the embayment above the State line, but during 1942 there was a flow across this stretch throughout most of the year. The rise in water levels appears to have been due largely to recharge from Crow Creek.

Cheyenne area

The Cheyenne area covers about 640 square miles in the southwestern part of Laramie County. It extends from the east line of R.66 W. west to the front of the Laramie Mountains, which is about at the Albany-Laramie county line, and from the Wyoming-Colorado State line northward to the divide between Crow and Lodgepole Creeks. On the southeast it adjoins the Carpenter area.

Observations of water levels were continued in 43 wells in the Cheyenne area in 1942 and begun in 19 others. Of the 19 newly established observation wells, 10 are in the vicinity of the village of Federal and about 12 to 14 miles northwest of Cheyenne. The city of Cheyenne drilled 4 of these during the last half of 1942. The locality near Federal is underlain by the Brule formation, and the city drilled the 4 wells to test the yield of the formation in this area, which had not previously been tested.

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Most of the water encountered appeared to be in gravel lenses in the Brule. The yield of 3 of the wells ranged from 220 to 420 gallons a minute. The fourth (well 196), pumped dry in 2 minutes. These 4 wells have not been pumped since their completion except for tests.

In 1942 the water levels in wells in the Cheyenne well field and vicinity declined steadily until early in April, at which time pumping stopped for 2 weeks. Following the April shut-down and continuing throughout the remainder of the year, the wells were pumped intermittently at an average rate about half that at which they were pumped during the period January 1 to April 1. From April to December the water levels fluctuated with the local pumping, but in most of the wells they did not decline appreciably.

In wells outside the area influenced by pumping in the Cheyenne well field, the water levels fluctuated in 1942 as follows: They rose in wells in the valleys of Crow Creek and its perennial tributaries and remained about constant or declined slightly in wells several miles from these flowing streams.

Albany County

Laramie area

An investigation of the ground-water resources in the vicinity of the city of Laramie was begun in May 1942 by the Federal Geological Survey in cooperation with the Wyoming State Planning and Water Conservation Board and the city of Laramie. The area covered by the investigation comprises about 280 square miles. It extends from the center of T. 13 N. to the center of T. 18 N. and includes Rs. 73 and 74 W.

The principal aquifer in the Laramie area is the Casper formation, of Pennsylvanian age, which crops out on the west flank of the Laramie Mountains and dips westward beneath the Laramie Basin a few miles east of the city of Laramie. The Casper formation is about 800 feet thick and consists of interbedded sandstones, limestones, and siltstone.

The Casper formation is overlain by 200 feet of red shales and shaly sandstone belonging to the Satanka formation, of Permian age. The Satanka contains a persistent sandy zone, near the middle, that yields a gypsiferous water to stock and domestic wells in the area. The Satanka as a whole,

however, is relatively impermeable, and it constitutes a confining bed over the Casper formation, in which the water is under artesian pressure west of the contact between these two formations. The Satanka is overlain by the Forelle limestone, of Permian age, which is 20 to 50 feet thick, and is in turn overlain by about 1,000 feet of red shales and sandstones of the Chugwater formation, of Triassic age. The Chugwater includes a number of sandstone beds that contain water, but the water is almost invariably gypsiferous and is not desirable for domestic use although suitable for stock.

Above the Chugwater, in ascending order, are the Morrison formation, of Jurassic age, and the Cloverly, Benton, Niobrara, and Steele formations, of Cretaceous age, aggregating about 3,000 feet in thickness. Sandy beds in the Morrison formation, the Cloverly sandstone, and sandy zones near the top and bottom of the Benton formation yield water to stock wells, but the water is usually too highly mineralized for domestic use and is sometimes unsuitable even for stock.

The municipal water supply of Laramie is derived from two large springs and three wells, which yield an average of 3.4 million to 3.9 million gallons a day from the Casper formation. The three municipal wells, known as Pope wells 1, 2, and 3, are the only large-yield wells in use at present that tap the Casper formation. Three other wells that were drilled by the city in the vicinity of one of the city springs have large capacities but are not used. The Pope wells are normally pumped heavily from early May to September and intermittently from October to April.

The three Pope wells are equipped with air gages that are read daily by employees of the city. Records for the latter part of 1940 and for 1941-42 were furnished by the Office of the City Engineer. The seasonal pumping of the Pope wells (Nos. 15.73.14.dac 1, 15,73.14dac 2, and 15.73.14.dac 3) causes a seasonal fluctuation of water level in wells 15.73.15.bbb, 15.73.2.acd, and 15.72.6.dcd, which are 3,500 feet, 2 miles, and 2½ miles, respectively, from the pumped wells. It causes a seasonal fluctuation, also, in the flow of Soldier Spring, which is approximately 6,500 feet south of the pumped wells. In 1941 the flow of Soldier Spring decreased from 1.38 million gallons a day in May, before the heavy pumping of the Pope wells began, to 0.98 million gallons a day in September, near

the end of the sustained-pumping period. During the corresponding period of 1942 the flow decreased from 1.28 million gallons a day to 1.015 million gallons a day. During the period September to December 1942 the flow of the spring gradually recovered to 1.28 million gallons a day.

Wells 15.73.2.aba and 15.73.2.bab (Turner wells 1 and 2) were drilled and tested by the city of Laramie during the period March to May 1942. The effects of pumping these two wells for 2 to 3 weeks is shown in the slow rise of their water levels and also of the water level in well 16.73.35.aaa (Turner well 3) throughout the remainder of the year.

In wells tapping the Casper formation beyond the influence of the pumping of the Pope or Turner wells, there was a gradual decline in water levels, ranging from 0.2 to 1.29 feet, during the last half of 1942.

The water levels in wells penetrating the Satanka formation declined 0.2 foot to 2.0 feet throughout the area during the last half of 1942. In wells penetrating the Chugwater formation there was a slight general drop in water levels. In unused wells tapping Cretaceous beds there was little change in the water levels, but in windmill wells, most of which are not used in the fall and winter, there was a rise of 2 to 5 feet. The rise of water levels in the used wells appears to represent a delayed recovery from pumping from aquifers of relatively low permeability.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Observation wells in Wyoming are listed alphabetically by counties and numerically within each county. Complete descriptions are given only for newly added wells. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of the well are given and the pages on which they appear. An asterisk preceding the number of a water-supply paper indicates that a description of the well is given in that paper. The water level in each well is expressed in feet below a fixed measuring point.

For convenience, the name of the appropriate ground-water area is added after the county name.

Laramie County - Egbert-Pine Bluffs area

1 (*910, p. 181; 940, p. 156). W. T. Young, Jr. NE¼NE¼ sec. 31, T. 13 N., R. 60 W. Measuring point destroyed in May 1942. New measuring point, top of oil drum in third well from west of 4 connected wells in line, 1.31 feet above old measuring point and 5,185.76 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	38.15	Apr. 28	37.27	July 20	39.38	Nov. 11	38.56
Feb. 26	37.97	May 21	a37.87	Aug. 19	40.35	Dec. 19	39.05
Mar. 24	37.55	June 19	38.11	Oct. 7	40.00		

2 (*910, p. 181; 940, p. 157). C. E. Kaser. NW¼NW¼ sec. 21, T. 14., R. 61 W. Measuring point is 5,258.26 feet above mean sea level.

Water level, at noon in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.13	44.22	44.32	44.41	44.46	41.65	41.42	41.45	42.08	42.09	42.14	42.33
2	44.13	44.23	44.31	44.42	44.46	41.63	41.42	41.42	42.03	42.09	42.17	42.32
3	44.15	44.23	44.31	44.42	44.46	41.61	41.42	41.38	41.97	42.09	42.13	42.35
4	44.15	44.22	44.34	44.42	44.43	41.60	41.42	41.37	42.33	42.10	42.16	42.34
5	44.15	44.23	44.33	44.42	44.43	41.59	41.42	41.38	42.10b	42.50	42.18	42.36
6	44.15	44.25	44.34	44.44	44.41	41.58	41.42	41.37	42.20	42.18	42.20	42.36
7	44.17	44.24	44.35	44.44	44.37	41.57	.....	41.38b	42.61	42.13	42.20	42.36
8	44.15	44.25	44.35	44.43	44.35	41.52	.....	41.42b	42.81	42.13	42.18	42.38
9	44.18	44.27	44.34	44.44	44.32	41.47	.....	41.40	42.35	42.13	42.22	42.38
10	44.18	44.27	44.35	44.44	44.29	41.43	.....	41.40b	43.01	43.01	42.23	42.39
11	44.18	44.27	44.35	44.44	44.27	41.40	.....	41.40	42.55	42.08	42.22	42.40
12	44.19	44.27	44.35	44.44	44.24	41.42	.....	41.38	42.33	42.08	42.22	42.40
13	44.20	44.27	44.35	44.45	44.23	41.39	.....b	41.90	42.20	42.10	42.23	42.41
14	44.20	44.27	44.36	44.44	44.23	41.35	.....	41.85	42.16	42.11	42.21	42.42
15	44.20	44.25	44.36	44.46	44.19	41.33	.....b	42.23	42.25	42.11	42.18	42.44
16	44.18	44.27	44.37	44.47	44.13	41.34	.....b	42.32b	42.67	42.11	42.23	42.42
17	44.19	44.28	44.38	44.45	43.96	41.34	.....b	42.27b	42.98	42.13	42.25	42.43
18	44.21	44.30	44.38	44.46	43.71	41.32	.....b	42.48	42.64	42.12	42.25	42.45
19	44.20	44.30	44.38	44.47	43.45	41.35	.....	42.57	42.43	42.10	42.25	42.45
20	44.20	44.30	44.40	44.47	43.15	41.37	41.55b	42.64	42.32	42.12	42.28	42.45
21	44.20	44.30	44.40	44.46	42.90	41.38	41.49b	42.53	42.25	42.07	42.31	42.43
22	44.19	44.28	44.40	44.44	42.66	41.40	41.44	42.16	42.21	42.10	42.30	42.44
23	44.20	44.32	44.39	44.46	42.47	41.37	41.40b	42.27	42.20	42.11	42.28	42.47
24	44.20	44.31	44.38	44.50	42.27	41.37	41.35b	42.45	42.16	42.10	42.27	42.44
25	44.20	44.31	44.40	44.47	42.12	41.38	41.35	42.00	42.15	42.13	42.31	42.46
26	44.21	44.31	44.42	44.48	41.98	41.38	41.33b	42.57	42.13	42.12	42.32	42.52
27	44.21	44.28	44.41	44.47	41.90	41.39b	41.88b	42.67	42.14	42.10	42.28	42.52
28	44.21	44.30	44.41	44.46	41.82	41.42	41.82	42.21	42.12	42.10	42.32	42.49
29	44.21	.....	44.42	44.45	41.77	41.42	41.46b	42.76	42.12	42.10	42.29	42.48
30	44.23	.....	44.43	44.45	41.72	41.42	41.41	42.41	42.10	42.11	42.32	42.50
31	44.23	.....	44.42	.....	41.68	.....b	41.72	42.18	.....	42.14	.....	42.50

3 (*910, p. 182; 940,p. 157). C. E. Kaser. SW¼SW¼ sec. 12, T. 14 N., R. 62 W. Measuring point is 5,309.71 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	4.68	May 21	3.24	Aug. 19	4.31	Nov. 29	4.07
Mar. 24	4.86	July 20.	3.78	Sept.21	4.40	Dec. 29	4.08
Apr. 28	4.53						

a New measuring point established.
b Irrigation well 550 feet north pumping.

Laramie County - Egbert-Pine Bluffs area--Continued

4 (*910, p. 182; 940, p. 157). Bert Tucker. SE¼NW¼ sec. 18, T. 14 N., R. 61 W. Measuring point is 5,294.02 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	25.40	May 21	23.95	Sept.21	24.06	Nov. 29	24.27
Mar. 24	25.41	June 19	22.17	Oct. 23	24.15	Dec. 29	23.70
Apr. 28	25.50						

5 (*910, p. 182; 940, p. 157). Union Pacific Railroad. SE¼NE¼ sec. 24, T. 14 N., R. 62 W. Measuring point is 5,287.82 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	30.12	Apr. 28	30.34	July 20	28.30	Oct. 23	28.58
Feb. 26	30.21	May 21	a30.62	Aug. 19	a28.87	Nov. 29	28.70
Mar. 24	30.26	June 19	28.73	Sept.21	28.42	Dec. 29	28.74

6 (*910, p. 182; 940, p. 158). Owner not known. NW¼NW¼ sec. 29, T. 14 N., R. 61 W. Measuring point is 5,264.98 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	25.74	Apr. 28	25.75	July 20	23.70	Oct. 23	24.51
Feb. 26	25.80	May 21	24.65	Aug. 19	24.01	Nov. 29	24.64
Mar. 24	25.82	June 19	23.63	Sept.21	24.45	Dec. 29	24.64

8 (*910, p. 182; 940, p. 158). Victor Sundin. NW¼SW¼ sec. 8, T. 15 N., R. 60 W. Measuring point is 5,215.99 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	87.44	Apr. 28	87.55	July 20	87.58	Oct. 23	88.22
Feb. 26	87.48	May 21	87.59	Aug. 19	87.75	Nov. 29	87.77
Mar. 24	87.45	June 19	87.58	Sept.21	88.12	Dec. 29	87.74

9 (*910, p. 182; 940, p. 158). Owner not known. NE¼NE¼ sec. 24, T. 13 N., R. 60 W. Measuring point is 5,157.48 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	13.34	Apr. 28	9.20	July 20	11.77	Oct. 23	12.46
Feb. 26	13.05	May 21	8.62	Aug. 19	13.06	Nov. 29	11.64
Mar. 24	10.81	June 19	9.52	Sept.21	13.76	Dec. 29	11.70

10 (*910, p. 182; 940, p. 158). Mr. Johnson. SW¼NW¼ sec. 18, T. 13 N., R. 61 W. Measuring point is 5,331.28 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 20	48.58	Apr. 28	48.57	July 20	48.56	Oct. 23	48.55
Feb. 26	48.58	May 21	48.59	Aug. 19	48.52	Nov. 11	48.55
Mar. 24	48.52	June 19	48.58	Sept.21	48.54	Dec. 19	48.55

11 (*910, p. 182; 940, p. 158). Owner not known. SW¼SE¼ sec. I6, T. 13 N., R. 61 W. Measuring point is 5,261.92 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 20	40.25	Apr. 28	40.25	July 20	40.30	Oct. 23	40.28
Feb. 26	40.25	May 21	40.28	Aug. 19	40.29	Nov. 29	40.29
Mar. 24	40.25	June 19	40.28	Sept.21	40.29	Dec. 29	40.29

12 (*910, p. 182; 940, p. 158). Mr. Kelley. SW¼SW¼ sec. 12, T. 13 N., R. 61 W. Measuring point is 5,162.94 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 20	1.88	May 21	1.06	Aug. 19	4.88	Nov. 29	1.62
Mar. 24	.91	June 19	1.63	Sept.21	6.70	Dec. 29	1.02
Apr. 28	.81	July 20	3.37	Oct. 23	4.68		

a Pumping.

Laramie County - Egbert-Pine Bluffs area--Continued

13 (*910, p. 182; 940, p. 158). Mrs. Ellison. SW¼SE¼ sec. 10, T. 14 N., R. 60 W. Measuring point is 5,037.59 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	17.08	Apr. 28	16.57	July 20	16.50	Oct. 23	17.33
Feb. 26	16.97	May 21	15.93	Aug. 19	17.06	Nov. 29	17.07
Mar. 24	16.78	June 19	15.46	Sept.21	17.62	Dec. 29	16.77

14 (*910, p. 182; 940, p. 158). J. D. Wasson. NW¼SE¼ sec. 5, T. 13 N., R. 61 W. Measuring point is 5,251.55 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 20	9.13	Apr. 28	8.46	July 20	9.30	Oct. 23	9.19
Feb. 26	8.85	May 21	8.31	Aug. 19	9.81	Nov. 29	8.86
Mar. 24	8.60	June 19	8.78	Sept.21	9.97	Dec. 29	8.86

15 (*910, p. 182; 940, p. 159). Owner not known. NW¼SW¼ sec. 22, T. 13 N., R. 61 W. Measuring point destroyed in May 1942. New measuring point, top of plank well cover, near southeast corner of well platform, at copper bench mark is 0.08 foot above old measuring point and 5,248.88 feet above mean sea level.

Water level, in feet below measuring point, 1942

Feb. 26	46.93	May 21	a47.01	Aug. 19	b51.75	Nov. 29	47.05
Mar. 24	46.88	June 19	b47.02	Sept.21	47.22	Dec. 29	c50.45
Apr. 28	46.88	July 20	47.78	Oct. 23	47.19		

16 (*910, p. 182; 940, p. 159). Owner not known. NE¼NW¼ sec. 2, T. 12 N., R. 61 W. Measuring point is 5,241.78 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 20	55.45	Apr. 28	55.35	July 20	55.29	Nov. 11	55.23
Feb. 26	55.42	May 21	55.34	Aug. 19	55.26	Dec. 19	55.22
Mar. 24	55.34	June 19	55.29	Oct. 7	55.30		

17 (*910, p. 183; 940, p. 159). Owner not known. SW¼NW¼ sec. 34, T. 15 N., R. 60 W. Measuring point is 5,113.74 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	b74.84	May 21	68.93	Aug. 19	b73.50	Nov. 29	69.69
Feb. 26	68.09	June 19	68.93	Sept.21	70.84	Dec. 28	b72.10
Apr. 28	68.98	July 20	b69.69	Oct. 23	70.07		

18 (*910, p. 183; 940, p. 159). Owner not known. NW¼SW¼ sec. 30, T. 15 N., R. 60 W. Measuring point, is 5,112.97 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	44.05	Apr. 28	44.12	July 20	43.63	Oct. 23	44.32
Feb. 26	44.08	May 21	44.07	Aug. 19	43.95	Nov. 29	44.25
Mar. 24	44.11	June 19	43.90	Sept.21	44.57	Dec. 29	44.17

19 (*910, p. 183; 940, p. 159). H. L. Wisroth. NW¼SW¼ sec. 8, T. 14 N., R. 60 W. Measuring point is 5,073.86 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	10.82	Apr. 28	10.35	July 20	11.06	Oct. 23	11.86
Feb. 26	10.74	May 21	10.02	Aug. 19	11.86	Nov. 29	11.04
Mar. 24	10.62	June 19	10.47	Sept.21	13.92	Dec. 29	10.89

20 (*910, p. 183; 940, p. 159). Herbert Campbell. NW¼SW¼ sec. 8, T. 13 N., R. 60 W. Measuring point is 5,126.85 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	43.40	Apr. 28	33.74	July 20	35.18	Nov. 29	39.60
Feb. 26	42.78	May 21	31.57	Sept.21	39.65	Dec. 29	38.18
Mar. 24	38.83	June 19	33.39	Oct. 23	39.81		

a New measuring point established.

b Pumping.

c Well pumped earlier in day.

Laramie County - Egbert-Pine Bluffs area--Continued

21 (*910, p. 183; 940, p. 159). Owner not known. NW¼SW¼ sec. 30, T. 14 N., R. 60 W. Measuring point 5,141.10 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	27.27	Apr. 28	27.85	July 20	25.43	Oct. 23	24.65
Feb. 26	27.54	May 21	27.35	Aug. 19	24.92	Nov. 29	24.78
Mar. 24	27.73	June 19	25.89	Sept.21	25.03	Dec. 29	25.07

22 (*910, p. 183; 940, p. 159). J. W. Minnick. NW¼NW¼ sec. 22, T. 14 N., R. 62 W. Measuring point is 5,437.58 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	95.68	Apr. 28	95.63	July 20	95.70	Oct. 23	95.72
Feb. 26	95.68	May 21	95.65	Aug. 19	95.66	Nov. 29	95.72
Mar. 24	95.57	June 19	95.68	Sept.21	95.71	Dec. 29	95.64

23 (*910, p. 183; 940, p. 160). H. R. Eggrs. NW¼NE¼ sec. 14, T. 14, R. 61 W. Measuring point is 5,196.30 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	58.25	Apr. 28	58.24	July 20	58.26	Oct. 23	58.07
Feb. 26	58.26	May 21	58.24	Aug. 19	58.20	Nov. 29	58.03
Mar. 24	58.20	June 19	58.25	Sept.21	58.18	Dec. 29	57.95

24 (*910, p. 183; 940, p. 160). Carl Bogie. NE¼SW¼ sec. 2, T. 14 N., R. 61 W. Measuring point is 5,146.63 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	26.83	Apr. 28	26.90	July 20	26.89	Oct. 23	27.43
Feb. 26	26.87	May 21	26.93	Aug. 19	27.06	Nov. 29	26.97
Mar. 24	26.84	June 19	26.98	Sept.21	26.97	Dec. 29	26.98

26 (*910, p. 183; 940, p. 160). Mr. Campbell. NW¼NW¼ sec. 28, T. 14 N R. 60 W. Measuring point is 5,093.21 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 19	24.78	Apr. 28	24.16	July 20	22.95	Nov. 29	22.86
Feb. 26	24.62	May 21	23.52	Sept.21	a24.49	Dec. 29	22.53
Mar. 24	24.50	June 19	22.74	Oct. 23	23.40		

27 (*910, p. 183; 940, p. 160). Jim Dolan. SW¼SE¼ sec. 3, T. 13 N., R. 61 W. Measuring point is 5,218.91 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 20	17.98	May 21	16.41	Aug. 19	20.47	Nov. 29	17.44
Mar. 24	16.36	June 19	17.20	Sept.21	20.00	Dec. 29	16.93
Apr. 28	16.00	July 20	b28.47	Oct. 23	18.40		

28 (*910, p. 183; 940, p. 160). J. M. Bastain. NW¼SE¼ sec. 36, T. 14 N R. 62 W. Old measuring point destroyed with removal of concrete floor. New measuring point, mark on pump pipe, level with old measuring point and 5,288.55 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 20	8.23	Apr. 28	7.76	July 20	8.73	Oct. 23	8.51
Feb. 26	7.55	May 21	7.05	Aug. 19	9.20	Nov. 29	8.20
Mar. 24	7.18	June 19	3.23	Sept.21	c9.20	Dec. 29	8.20

29 (*910, p. 184; 940, p. 160). Odd White. NW¼NE¼ sec. 2, T. 12 N., R. 62 W. Measuring point is 5,345.40 feet above mean sea level. Measurements discontinued after May 21.

a Pumped for irrigation in August.
b Pumping.
c New measuring point established.

Laramie County - Egbert-Pine Bluffs area--Continued

29. Odd White--Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 20	54.64	Mar. 24	54.53	May 21	a54.68
Feb. 26	54.64	Apr. 28	54.64		

30 (*910, p. 184; 940, p. 161). W. T. Young, Jr. NW¼NE¼ sec. 32, T. 15 N., R. 60 W. Measuring point is 5,114.32 feet above mean sea level.

Water level, at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.48	46.46	46.47	46.50	46.56	46.68	46.29	47.20	48.06	47.59b	47.06	46.77
2	46.47	46.46	46.47	46.51	46.52	46.69	46.27	47.28	48.10	46.54b	47.05	46.76
3	46.49	46.45	46.45	46.50	46.51	46.73	46.26	47.34	48.15	47.53b	47.04	46.76
4	46.49	46.44	46.46	46.50	46.47	46.76	46.25	47.41	48.21	47.51b	47.03	46.75
5	46.50	46.44	46.45	46.50	46.46	46.73	46.23	47.50	.....	47.48b	47.02	46.75
6	46.50	46.46	46.44	46.50	46.45	46.70	46.21	47.58	.....	47.46b	47.01	46.75
7	46.50	46.44	46.46	46.53	46.41	46.66	46.21	47.68	.....	47.43b	47.00	46.75
8	46.47	46.45	46.46	46.52	46.36	46.61	46.19	47.76	.....	47.41b	46.99	46.74
9	46.51	46.45	46.45	46.52	46.31	46.58	46.18	47.80	.....	47.40b	46.98	46.73
10	46.51	46.46	46.45	46.53	46.26	46.55	46.18	47.79	.....	47.36b	46.97	46.73
11	46.49	46.44	46.44	46.52	46.23	46.51	46.21	47.78	.....	47.33b	46.96	46.72
12	46.51	46.44	46.43	46.51	46.19	46.51	46.24	47.76	.....	47.31b	46.95	46.72
13	46.51	46.45	46.44	46.51	46.19	46.51	46.27	47.73	.....	47.29b	46.94	46.72
14	46.52	46.44	46.43	46.51	46.20	46.48	46.29	47.71	.....	47.29b	46.93	46.71
15	46.51	46.43	46.44	46.57	46.18	46.46	46.37	47.71	.....	47.27b	46.92	46.71
16	46.48	46.43	46.44	46.69	46.17	46.43	46.48	47.70	.....	47.26b	46.91	46.69
17	46.48	46.45	46.46	46.75	46.19	46.42	46.59	47.68	.....	47.26b	46.90	46.69
18	46.50	46.46	46.45	46.81	46.20	46.41	46.67	47.71	.....	47.23b	46.89	46.69
19	46.51	46.45	46.44	46.85	46.22	46.38	46.72	47.78	.....	47.21b	46.88	46.68
20	46.50	46.45	46.47	46.81	46.22	46.38	46.75	47.85	.....	47.20b	46.87	46.68
21	46.51	46.45	46.49	46.79	46.22	46.37	46.75	47.90	48.01	47.16b	46.86	46.66
22	46.50	46.43	46.48	46.79	46.21	46.37	46.79	47.93	47.95	47.16b	46.85	46.65
23	46.48	46.46	46.47	46.81	46.20	46.35	46.83	47.92	47.91	47.15b	46.84	46.65
24	46.48	46.45	46.45	46.83	46.20	46.34	46.87	47.92	47.85b	47.14b	46.83	46.64
25	46.47	46.43	46.46	46.79	46.20	46.33	46.94	47.89	47.80b	47.13b	46.82	46.64
26	46.48	46.46	46.49	46.77	46.23	46.31	47.00	47.90	47.77b	47.12b	46.81	46.67
27	46.48	46.45	46.50	46.72	46.32	46.30	47.03	47.95	47.73b	47.11b	46.80	46.68
28	46.45	46.45	46.50	46.67	46.41	46.30	47.05	47.95	47.68b	47.10b	46.80	46.65
29	46.45	.....	46.50	46.61	46.50	46.31	47.07	47.95	47.65b	47.09	46.79	46.65
30	46.47	.....	46.51	46.52	46.59	46.31	47.08	47.96	47.61b	47.08	46.77	46.65
31	46.47	.....	46.51	.....	46.66	.....	47.10	47.98	.....	b47.07	.....	46.63

31 (*940, p. 161). Owner not known. SE¼SW¼ sec. 12, T. 14 N., R. 63 W. Measuring point is 5,497.90 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	62.84	Apr. 28	62.80	July 20	62.83	Oct. 23	62.87
Feb. 26	62.84	May 21	62.82	Aug. 19	62.85	Nov. 29	62.87
Mar. 24	62.77	June 19	62.85	Sept.21	62.89	Dec. 29	62.84

32 (*940, p. 161). Owner not known. SW¼SE¼ sec. 20, T. 14 N., R. 63 W.

Water level, in feet below measuring point, 1942

Jan. 19	79.65	Apr. 28	79.61	July 20	79.61	Oct. 23	79.61
Feb. 26	79.64	May 21	79.62	Aug. 19	79.61	Nov. 29	79.61
Mar. 24	79.60	June 19	79.63	Sept.21	79.64	Dec. 29	79.58

a Well filled in and plowed over after measurement on May 21.
b Interpolated.

Laramie County - Egbert-Pine Bluffs area--Continued

33 (*940, p. 161). Owner not known. NE¼NE¼ sec. 20, T. 13 N., R. 62 W. Measuring point is 5,434.40 feet above mean sea level. Measurements discontinued after July 20..

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	55.54	Mar. 24	55.51	May 21	55.58	July 20	a55.53
Feb. 26	55.54	Apr. 28	55.55	June 19	55.54		

Laramie County - Carpenter area

40. Emil Gustafeson. SW¼NE¼ sec. 8, T. 13 N., R. 63 W. Unused drilled domestic well, diameter 4.5 inches, depth 75 feet. Measuring point, top of casing, on west side, by nail hole, 1.2 feet above land surface and 5,606 feet above mean sea level. Water levels, in feet below measuring point, 1942: Aug. 21, 71.41; Oct. 6, 70.70; Nov. 11, 70.20; Dec. 19, 69.71.

41. Ralph V. Kent. SW¼SE¼ sec. 14, T. 13 N., R. 63 W. Unused drilled domestic well, diameter 4 inches, depth 49 feet. Measuring point, top of casing on west side, level with land surface and 5,513 feet above mean sea level. Water levels, in feet below measuring point, 1942: Aug. 21, 38.28; Oct. 7, 38.30; Nov. 11, 38.22; Dec. 19, 38.05.

42. James H. Carnes. SW¼NW¼ sec. 30, T. 13 N., R. 62 W. Used drilled domestic well, diameter 5 inches, depth 61 feet. Measuring point, top of casing, on southwest side, level with concrete foundation and 0.5 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Aug. 21, 44.47; Oct. 7, 44.30; Nov. 11, 44.16; Dec. 19, 44.10.

43. Wm. H. Chamberlain. SW¼NE¼ sec. 29, T. 13 N., R. 62 W. Unused drilled domestic well, diameter 5 inches, depth 67 feet. Measuring point, top of casing, on west side, at mark, 0.6 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Aug.21, 48.11; Oct. 7, 48.49; Nov. 11, 48.10; Dec. 19, 48.05.

44. Union Pacific Railroad. SW¼SW¼ sec. 29, T. 13 N., R. 62 W. Unused drilled domestic well, diameter 5 inches, depth 75 feet. Measuring point, top of casing, on west side, level with concrete foundation, 0.5 foot above land surface. Water levels, in feet below measuring point, 1942: Aug. 21, 57.95; Oct. 7, 59.35; Nov. 11, 58.37; Dec. 19, 57.45.

45. Carpenter General Store. NE¼SW¼ sec. 31, T. 13 N., R. 62 W. Unused drilled domestic well, diameter 5 inches, depth 80 feet. Measuring point, top of casing, on west side, level with concrete foundation, 0.25 foot above land surface and 5,432 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Aug. 21, 60.10; Oct. 7, 59.35; Nov. 11, 59.61; Dec. 19, 58.64.

46. Wyoming Farm Loan Board. NE¼SE¼ sec. 3, T. 12 N., R. 63 W. Unused drilled domestic well, diameter 6 inches, depth 49 feet. Measuring point, top of casing, on northeast side, level with windmill floor, 0.25 foot above land surface and 5,400 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Aug. 21, 34.54; Oct. 7, 33.99; Nov. 11, 33.75; Dec. 19, 33.45.

47. D. A. Bunnell. NW¼SW¼ sec. 33, T. 13 N., R. 63 W. Unused drilled irrigation well, diameter 24 inches, depth 131 feet. Measuring point, top edge of projection of broken iron cover, on west side, at mark, 1.0 foot above land surface and 5,423 feet above mean sea level. Water levels, in feet below measuring point, 1942: Aug. 21, 49.75; Oct. 7, 49.35; Nov. 11, 49.16; Dec. 19, 49.02.

48. Twila G. Wilcox. SE¼NE¼ sec. 35, T. 13 N., R. 64 W. Used drilled stock well, diameter 3 inches, depth 128 feet. Measuring point, top of casing east side, 0.5 foot above land surface and 5,685 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Aug. 21, 108.38; Oct. 7, 107.09.

a Well filled in after measurement on July 20.

Laramie County - Carpenter area--Continued

49. L. A. Foster. SW¼SW¼ sec. 28, T. 13 N., R. 64 W. Unused drilled domestic well, diameter 6 inches, depth 155 feet. Measuring point, top of casing, on northwest side, level with well platform, 0.75 foot above land surface and 5,809 feet above mean sea level. Water levels, in feet below measuring point, 1942: Aug. 28, 145.34; Oct. 7, 145.29; Nov. 11, 145.29; Dec. 19, 145.39.

50. Wyoming Hereford Ranch. NE¼NE¼ sec. 4, T. 12 N., R. 64 W. Unused drilled stock well, diameter 5 inches, depth 179 feet. Measuring point, base of hole drilled in west side of pump base, 1.0 foot above land surface and 5,811 feet above mean sea level. Equipped with lift pump. Water levels, in feet above measuring point, 1942: Aug. 28, 153.14; Oct. 7, 153.71; Nov. 11, 153.07; Dec. 19, 153.20.

51. Mrs. F. E. Bollan. NW¼SE¼ sec. 7, T. 12 N., R. 63 W. Unused drilled irrigation well, diameter 24 inches, depth 75 feet. Measuring point, top of casing, on west side, at mark, level with land surface. Water level, in feet below measuring point, 1942: Aug. 28, 1.25.

52. Mrs. F. E. Bollan. NW¼SE¼ sec. 7, T. 12 N., R. 63 W. Unused drilled irrigation well, diameter 18 inches, reported depth 100 feet. Measuring point, mark on board cover of well, 2.0 feet below land surface. Water levels, in feet below measuring point, 1942: Aug. 28, 1.84; Oct. 7, 1.80; Nov. 11, 1.20; Dec. 19, 1.07.

53. Wm. Flamme. NE¼NE¼ sec. 6, T. 12 N., R. 62 W. Unused drilled stock well, diameter 3 inches, depth 78 feet. Measuring point, top of casing, on east side, 0.1 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 1, 69.76; Oct. 7, 69.04; Nov. 11, 68.39; Dec. 19, 67.86.

54. Roy L. Gasuraunt. NE¼NW¼ sec. 3, T. 12 N., R. 63 W. Unused dug irrigation well, diameter 8 feet, depth 49 feet. Measuring point, edge of wooden frame, on north side, at mark, 0.4 foot above land surface and 5,412 feet above mean sea level. Water levels, in feet below measuring point, 1942: Aug. 28, 48.32; Oct. 7, 47.84; Nov. 11, 47.60; Dec. 19, 47.30.

55. Ralph V. Kent. NW¼NW¼ sec. 22, T. 13 N., R. 63 W. Unused drilled stock well, diameter 5 inches, depth 64 feet. Measuring point, top of casing, on southwest side, at mark, 1.2 feet above land surface and 5,566 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Aug. 28, 57.89; Oct. 7, 57.84; Nov. 11, 57.77; Dec. 19, 57.67.

56. Ed Oline. NE¼SW¼ sec. 26, T. 13 N., R. 63 W. Used drilled stock well, diameter 5 inches, depth 57 feet. Measuring point, top of casing, on west side, at mark, 0.8 foot above land surface and 5,544 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Aug. 28, 50.64; Oct. 7, 50.57; Nov. 11, 50.57; Dec. 19, 50.48.

57. C. H. Senior. SE¼NE¼ sec. 24, T. 13 N., R. 65 W. Used drilled stock well, diameter 3 inches, depth 150 feet. Measuring point, top of casing, on west side, 0.1 foot above land surface and 5,870 feet above mean sea level. Equipped with lift pump. Top of casing sealed in October 1942. Measurements discontinued. Water level, in feet below measuring point, 1942: Aug. 28, 140.19.

58. Wilbur Sevope. NW¼SW¼ sec. 30, T. 13 N., R. 64 W. Unused drilled stock well, diameter 5 inches, depth 183 feet. Measuring point, top of casing, on west side, at mark, 1.3 feet above land surface and 5,900 feet above mean sea level. Water levels, in feet below measuring point, 1942: Sept. 1, 179.13; Oct. 7, 180.50; Nov. 11, 179.95.

59. James L. Bailey. NW¼SW¼ sec. 4, T. 13 N., R. 63 W. Used drilled stock well, diameter 5 inches, depth 113 feet. Measuring point, bottom edge of pump base, west side, 0.5 foot above land surface and 5,599 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: Sept. 1, 85.79.

Laramie County - Carpenter area--Continued

60. Lorena F. G. Noyes. NE¼SE¼ sec. 34, T. 14 N., R. 63 W. Unused drilled stock well, diameter 3 inches, depth 110 feet. Measuring point, top of casing, on west side, at mark, 1.0 foot above land surface and 5,563 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 1, 96.34; Oct. 7, 96.42; Nov. 11, 96.35; Dec. 19, 96.37.

61. Wm. Dittmer. NE¼NE¼ sec. 10, T. 13 N., R. 63 W. Unused drilled domestic well, diameter 5 inches, depth 82 feet. Measuring point, top of casing, on south side, level with concrete foundation and land surface and 5,545 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 1, 67.59; Oct. 7, 67.59; Nov. 11, 67.55; Dec. 19, 67.53.

62. State of Wyoming. SW¼SW¼ sec. 16, T. 13 N., R. 62 W. Unused drilled stock well, diameter 5 inches, depth 94 feet. Measuring point, top of casing, on east side, at mark, 1.0 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 1, 57.64; Oct. 7, 57.66; Nov. 11, 57.61; Dec. 19, 57.67.

63. Geo. L. Reeder. SE¼NE¼ sec. 28, T. 13 N., R. 62 W. Unused drilled stock well, diameter 5 inches, depth 60 feet. Measuring point, top of casing, on east side, at mark, 0.2 foot above land surface. Water levels, in feet below measuring point, 1942: Sept. 1, 52.48; Oct. 7, 52.52; Nov. 11, 52.46; Dec. 19, 52.39.

64. Union Pacific Railroad. SW¼SW¼ sec. 21, T. 13 N., R. 62 W. Unused drilled domestic well, diameter 4 inches, depth 67 feet. Measuring point, top of casing, on west side, at mark, 0.5 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 1, 44.66; Oct. 7, 44.71; Nov. 11, 44.70; Dec. 19, 44.70.

65. Bank of Carpenter. NE¼NE¼ sec. 8, T. 12 N., R. 62 W. Unused drilled stock well, diameter 5 inches, depth 64 feet. Measuring point, top of casing, on southwest side, at mark, 0.5 foot above land surface. Water levels, in feet below measuring point, 1942: Sept. 1, 57.94; Oct. 7, 57.68; Nov. 11, 57.43; Dec. 19, 57.18.

66. D. A. Bunnell. NW¼NE¼ sec. 9, T. 12 N., R. 62 W. Used drilled stock well, diameter 5 inches, depth 66 feet. Measuring point, bottom of pump base, on north side, at mark, 1.4 feet above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 2, 53.10; Oct. 7, 52.94.

67. Max Thelan. SE¼SE¼ sec. 31, T. 13 N., R. 61 W. Unused drilled stock well, diameter 5 inches, depth 60 feet. Measuring point, top of casing, on west side, at mark, 0.6 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 2, 46.05; Oct. 7, 45.98; Nov. 11, 45.93; Dec. 19, 45.90.

68. Lydia M. Wilkowski. NW¼NE¼ sec. 24, T. 13 N., R. 62 W. Unused drilled stock well, diameter 5 inches, depth 60 feet. Measuring point, top of wood block below pump base, on east side, 1.6 feet above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 2, 55.30; Oct. 7, 55.22; Nov. 11, 55.26; Dec. 19, 55.22.

69. William Young. SW¼SW¼ sec. 31, T. 13 N., R. 60 W. Used drilled irrigation well, diameter 18 inches, reported depth 85 feet. Middle well of 3 wells in line. Measuring point, top of oil-drum cover, on south side, at mark, 1.5 feet above land surface. Well 3 feet east equipped with turbine pump and used during irrigation season. Water levels, in feet below measuring point, 1942: Oct. 7, 20.10; Nov. 11, 19.41; Dec. 19, 19.02.

70. William Young. SW¼SW¼ sec. 31, T. 13 N., R. 60 W. Unused drilled irrigation well, diameter 18 inches, depth 100 feet. Measuring point, top of 8- by 10-inch railroad tie on south side of hole, at mark, 0.4 foot above land surface. Well filled in November 1942; measurements discontinued. Water levels, in feet below measuring point, 1942: Sept. 2, a/23.58; Oct. 7, 21.11; Nov. 11, 20.40.

a Irrigation well, eighth of a mile south, pumping.

Laramie County - Carpenter area--Continued

71. William Young. SW¼SW¼ sec. 5, T. 12 N., R. 60 W. Used drilled irrigation well, diameter 18 inches, reported depth 100 feet. Second well from west of 4 wells in line, spaced 3 feet apart. Measuring point, top of oil drum cover, on south side, at mark, 1.75 feet above land surface. Water levels, in feet below measuring point, 1942: Oct. 7, 27.07; Nov. 11, 26.56; Dec. 19, 26.30.

72. Union Pacific Railroad. SW¼SE¼ sec. 1, T. 12 N., R. 61 W. Unused drilled domestic well, diameter 5 inches, depth 159 feet. Measuring point, top of casing, on west side, at mark, 0.4 foot above land surface. Water levels, in feet below measuring point, 1942: Sept. 2, 63.83; Oct. 7, 64.37; Nov. 11, 63.87; Dec. 19, 63.76.

73. Joseph L. McDonald. SW¼SE¼ sec. 10, T. 12 N., R. 61 W. Unused drilled stock well, diameter 6 inches, depth 53 feet. Measuring point, bottom of pump base, on north side, at mark, 1.0 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 2, 39.05; Oct. 7, 38.91; Nov. 11, 38.87; Dec. 19, 38.82.

74. Roy D. Smith. NW¼NE¼ sec. 13, T. 12 N., R. 62 W. Unused drilled stock well, diameter 8 inches, depth 32 feet. Measuring point, top of casing, on south side, at mark, 0.5 foot below pump base, 0.8 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Sept. 2, 25.69; Oct. 7, 25.76; Nov. 11, 25.69; Dec. 19, 25.54.

75. Otis Breeden. NE¼SE¼ sec. 12, T. 12 N., R. 63 W. Unused drilled stock well, diameter 4 inches, depth 14 feet. Measuring point, top of casing, on west side, at mark, 1.2 feet above land surface. Well is 100 feet west of Crow Creek, on flood plain. Water levels, in feet below measuring point, 1942: Sept. 2, 8.91; Oct. 7, 9.14; Nov. 11, 7.40; Dec. 19, 5.45.

Laramie County - Cheyenne area

101 (*940, p. 162). Koppis No. 1. City of Cheyenne. NE¼NE¼ sec. 34, T. 14 N., R. 68 W. Measuring point, edge of airline hole in pump base, 6,468.10 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 3	32.74	Apr. 11	26.72	May 20	31.67	July 22	30.83
4	30.70	12	26.54	27	b45.85	29	b44.77
5	29.08	13	a27.31	June 3	b45.69	Aug. 5	28.74
6	28.26	14	26.45	10	28.33	24	31.31
7	27.89	15	26.34	17	30.87	Oct. 25	33.58
8	27.38	22	32.14	24	30.90	Nov. 27	29.42
9	27.17	May 6	b43.06	July 1	31.02	Dec. 23	30.54
10	26.90	13	31.61	15	43.51		

102 (*940, p. 162). Koppis No. 2. City of Cheyenne. SW¼SE¼ sec. 27, T. 14 N., R. 68 W. Measuring point, edge of air-line hole in pump base, 6,482.86 feet above mean sea level.

Water level, in feet below measuring point, 1942

Apr. 3	41.85	Apr. 11	37.42	May 20	b49.41	July 22	40.18
4	40.23	12	37.26	27	b53.07	29	43.59
5	39.15	13	a37.71	June 3	b52.54	Aug. 5	42.40
6	38.60	14	37.18	10	38.53	12	43.48
7	38.30	15	37.03	17	39.96	24	40.29
8	37.89	22	b50.80	24	39.92	Oct. 25	42.60
9	37.74	May 6	41.91	July 1	40.08	Nov. 27	41.35
10	37.57	13	b49.10	15	b57.66	Dec. 23	40.55

a Lowest of four measurements.
b Pumping.

Laramie County - Cheyenne area--Continued

103 (*940, p. 162). Eddy No. 1. City of Cheyenne. SE¼SE¼ sec. 23, T. 14 N., R. 68 W. Measuring point is 6,390.49 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	a90.92	Mar. 18	a89.63	Apr. 11	32.92	June 17	45.50
14	a92.10	Apr. 1	a90.97	12	32.74	24	44.83
21	a92.10	3	40.20	13	32.61	July 1	47.94
28	a88.57	4	37.40	14	32.41	8	60.36
Feb. 4	a91.05	5	35.63	15	32.31	15	51.70
11	a90.86	6	34.70	22	36.21	29	47.91
18	a88.84	7	34.18	May 13	46.86	Aug. 5	47.04
25	a89.27	8	33.72	20	42.87	12	42.78
Mar. 4	a89.28	9	33.40	27	42.12	24	45.94
11	a89.19	10	33.12	June 12	41.62		

104 (*940, p. 162). Eddy No. 1a. City of Cheyenne. SE¼SE¼ sec. 23, T. 14 N., R. 68 W. Measuring point is 6,343.47 feet above mean sea level. Flows when well 103 has not been pumped for several days.

Water level, in feet below measuring point, 1942

Jan. 7	9.45	Mar. 4	9.90	May 6	1.15	July 29	1.25
14	9.62	11	10.08	13	1.28	Aug. 5	.05
21	9.73	18	10.40	June 10	6.44	24	.28
28	9.48	25	8.71	July 1	.12	Sept.22	6.49
Feb. 4	9.65	Apr. 1	10.71	8	4.69	Oct. 25	6.56
11	9.32	3	2.81	15	2.73	Nov. 27	8.43
18	9.86	4	1.33	22	8.34	Dec. 23	7.97
25	9.92	5	.30				

107 (*940, p. 162). Bailey No. 3. City of Cheyenne. NW¼SW¼ sec. 26, T. 14 N., R. 68 W. Measuring point, is 6,439.95 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 7	a65.50	Mar. 25	a65.65	Apr. 12	d62.48	June 17	a66.24
14	a66.52	Apr. 1	a69.38	13	d21.74	24	c66.79
21	a66.77	3	c25.16	14	c21.45	July 1	a67.05
24	a67.10	4	23.88	15	21.28	8	a68.79
28	a65.82	5	23.08	22	a66.76	15	a63.48
Feb. 4	a28.30	6	22.56	29	23.50	22	23.89
11	a67.57	7	22.25	May 13	a65.42	29	a66.70
18	a67.96	8	21.93	20	a66.22	Aug. 5	a64.48
25	a68.36	9	21.73	27	23.62	24	a66.65
Mar. 4	a67.90	10	21.57	June 3	22.80	Sept.22	a68.49
11	a67.95	11	21.44	10	a65.24	Dec. 23	a67.08
18	a68.76						

108 (*940, p. 163). Bailey No. 3a well. City of Cheyenne. NW¼SW¼ sec. 26, T. 14 N., R. 68 W. Measuring point is 6,437.49 feet above mean sea level. Water level is strongly influenced by pumping of nearby wells, particularly wells 101, 102, and 107.

Water level, at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	17.52	17.83	18.33	18.90	3.58	.....	e8.40	.....	.....	.....	.....
2	17.49	17.85	18.35	18.92	5.01	.....	.....	.....	.....	.....	.....
3	17.53	17.84	18.22	10.48	5.28	e9.68	.....	.....	.....	.....	.....
4	17.60	16.90	18.30	6.10	5.21	.....	.....	.....	.....	.....	.....
5	17.62	18.05	18.32	4.23	8.92	.....	.....	e5.40	.....	.....	.....
6	17.64	10.75	18.22	3.16	9.25	.....	.....	.....	.....	.....	.....
7	17.68	16.12	18.37	2.48	7.24	.....	.....	.....	.....	.....	.....

a Pumping.
b Lowest of 31 measurements.
c Lowest of two measurements.
d Pumping; lowest of two measurements.
e Tape measurement.

Laramie County - Cheyenne area--Continued

108. City of Cheyenne--Continued.

Water level, at noon, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
8	17.57	17.32	18.41	1.96	6.88	.....a14.69	.....	.....	.....	.....	.....
9	17.67	17.74	18.33	1.58	6.73	....	.....	.....	.....	.....	.....
10	17.72	17.97	18.32	1.32	6.62	a5.12	.....	.....	.....	.....	.....
11	17.66	17.98	18.40	1.08	6.59	....	.....	.....	.....	.....	.....
12	17.70	18.02	18.38	2.14	7.08	....	a12.55	.....	.....	.....	.....
13	17.68	18.08	18.48	3.01	8.10	....	.....	.....	.....	.....	.....
14	17.80	18.06	18.48	1.23	8.44	....	.....	.....	.....	.....	.....
15	17.75	17.96	18.54	2.30	8.47	.....a12.11	.....	.....	.....	.....	.....
16	17.65	18.03	18.63	6.40	8.45	....	.....	.....	.....	.....	.....
17	17.63	18.11	18.77	11.47	8.56	a8.07	.....	.....	.....	.....	.....
18	17.76	18.25	18.74	14.51	8.58	....	.....	.....	.....	.....	.....
19	17.83	18.20	18.65	11.52	8.50	....	.....	.....	.....	.....	.....
20	17.84	18.21	18.68	10.35	....	.....	.....	.....	.....	.....	.....
21	17.85	18.20	18.69	9.75	....	.....	.....	.....	.....	.....	.....
22	17.75	18.09	18.63	9.37	....	a6.10	.....a15.05		.....	.....	.....
23	17.72	18.17	18.54	8.08	....	.....	.....	.....	.....	.....	.....
24	17.75	18.27	18.48	8.84	....	a8.23	a8.45	.....	.....	.....	.....
25	17.72	18.17	15.23	8.86	....	.....	.....	.....	.....	a9.66	.....
26	17.72	18.29	17.99	8.92	....	.....	.....	.....	.....	.....	.....
27	17.76	18.26	18.58	8.90	....	.....	.....	.....	.....	.....	a5.64
28	17.72	18.24	18.74	8.21	....	.....	.....	.....	.....	.....	.....
29	17.71	.....	18.47	7.28	....	.....a12.68	.....	.....	.....	.....	.....
30	17.87	.....	18.62	6.83	....	.....	.....	.....	.....	.....	.....
31	17.88	.....	18.90	....	....	.....	.....	.....	.....	.....	.....

109 (*940, p. 163). City of Cheyenne. NW¼SW¼ sec. 26, T. 14 N., R. 68 W. Measuring point is 6,463.87 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	57.05	Apr. 1	58.52	May 6	56.65	July 15	58.28
14	57.21	4	56.35	13	56.16	22	56.63
21	57.29	7	55.32	20	56.72	29	57.94
28	57.30	10	54.79	27	55.03	Aug. 5	57.44
Feb. 4	b57.42	12	54.48	June 3	54.46	12	58.48
11	57.52	13	c56.18	10	56.25	24	58.59
25	57.75	14	54.63	17	57.72	Sept.22	58.17
Mar. 4	57.93	15	54.62	24	57.83	Oct. 25	57.14
11	58.06	22	56.97	July 1	58.07	Nov. 22	57.91
18	58.35	29	55.37	8	58.24	Dec. 23	58.18
25	57.86						

111 (*940, p. 164). Elkar No. 2. City of Cheyenne. NW¼NE¼ sec. 25, T. 14 N., R. 68 W. Measuring point is 6,347 feet above mean sea level.

Water level, in feet below measuring point, 1942

Apr. 5	39.06	Apr. 8	33.54	Apr. 11	31.41	Apr. 14	30.22
6	36.26	9	32.61	12	30.98	15	29.95
7	34.71	10	31.91	13	30.62	22	31.80

112 (*940, p. 164). Elkar No. 3. City of Cheyenne. SE¼SE¼ sec. 25, T. 14 N., R. 68 W. Measuring point is 6,377.58 feet above mean sea level.

a Tape measurement.
b Lowest of two measurements.
c Lowest of four measurements.

Laramie County - Cheyenne area--Continued

112. City of Cheyenne--Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	35.82	Mar. 18	49.14	Apr. 12	35.49	July 1	37.87
14	35.90	25	37.07	13	35.16	8	38.35
21	35.85	Apr. 3	a147.50	14	34.83	22	39.44
28	35.70	4	a147.47	15	34.70	29	37.50
Feb. 4	35.79	6	42.93	22	a149.35	Aug. 5	39.16
11	35.73	7	40.56	29	47.43	12	44.88
25	35.87	8	38.58	May 6	38.61	Sept.22	34.95
Mar. 4	35.97	9	37.49	June 10	39.98	Oct. 25	38.15
6	36.09	10	36.54	17	37.97	Nov. 27	35.35
11	a150.1	11	35.95	24	37.95	Dec. 23	37.13

114 (*940, p. 164). Happy Jack No. 1. City of Cheyenne. SE¼NE¼ sec.36, T. 14 N., R. 68 W. Pump installed Jan. 21. New measuring point, edge of hole through pump base, 1.26 feet above old measuring point and 6,367.51 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 28	21.02	Apr. 1	a52.03	Apr. 10	22.89	July 15	30.66
Feb. 4	21.06	3	a51.94	11	22.71	22	28.80
11	21.08	4	a52.07	12	22.50	29	28.83
25	21.09	5	25.46	13	22.41	Aug. 24	28.06
Mar. 4	21.14	6	24.39	14	22.22	Sept.22	28.59
6	20.70	7	23.91	15	22.15	Oct. 25	27.47
11	a50.10	8	23.41	22	24.18	Nov. 27	25.01
18	23.06	9	23.13	29	a51.90	Dec. 23	28.36
25	21.34						

115 (*940, p. 165). Happy Jack No. 2. City of Cheyenne. NW¼NE¼ sec. 36, T. 14 N., R. 68 W. Measuring point is 6,409.54 feet above sea level.

Water level, in feet below measuring point, 1942

Jan. 14	20.73	Mar. 18	30.87	Apr. 12	25.84	June 24	32.10
21	20.84	25	25.03	13	25.80	July 1	32.28
24	20.73	Apr. 1	31.92	14	25.54	15	30.91
28	20.68	4	a54.04	15	25.47	22	29.16
Feb. 4	20.88	5	30.39	22	a55.	29	29.28
11	21.09	6	28.54	29	32.28	Aug. 5	31.66
18	21.32	7	27.78	May 6	30.70	12	32.78
25	21.28	8	26.96	27	27.97	24	28.62
Mar. 4	21.58	9	26.62	June 3	27.83	Sept.22	29.11
6	23.27	10	26.32	10	30.61	Oct. 25	32.76
11	a50.10	11	26.09	17	31.92		

116 (*940, p. 165). Happy Jack No. 3. City of Cheyenne. SW¼SW¼ sec. 36, T. 14 N., R. 68 W. Measuring point is 6,428.85 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 14	13.72	Mar. 18	25.11	Apr. 10	18.13	May 27	20.41
21	13.71	25	17.72	11	17.84	June 3	20.22
24	13.57	Apr. 1	27.42	12	17.53	July 15	25.39
28	13.51	3	a105.30	14	17.22	22	21.41
Feb. 4	13.56	4	48.19	15	17.05	29	21.99
11	13.62	5	24.59	22	28.45	Aug. 24	20.25
18	13.70	6	21.50	29	a108.1	Sept.22	21.31
25	13.65	7	20.25	May 6	a105.30	Oct. 25	27.25
Mar. 4	13.78	8	19.14	13	28.09	Nov. 27	26.83
6	15.37	9	18.57	20	28.01	Dec. 23	28.38
11	a108.90						

a Pumping.

Laramie County - Cheyenne area--Continued

117 (*940, p. 165). Silver Crown No. 1. City of Cheyenne. NW¼NW¼ sec. 20, T. 14 N., R. 68 W. Measuring point is 6,398.48 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	18.18	Mar. 18	17.47	May 20	10.43	July 22	13.68
14	17.78	25	17.04	27	10.62	29	13.06
21	17.69	Apr. 1	16.95	June 3	11.71	Aug. 5	13.72
28	17.28	8	16.84	10	11.88	12	14.05
Feb. 4	17.46	15	16.73	17	11.52	24	14.19
11	17.56	22	15.43	24	12.13	Sept.22	14.54
18	17.79	29	13.74	July 1	12.88	Oct. 25	12.48
25	17.81	May 6	11.08	8	13.37	Nov. 27	11.47
Mar. 4	17.77	13	10.30	15	13.63	Dec. 23	11.64
11	17.65						

118 (*940, p. 166). Silver Crown No. 2. City of Cheyenne. NW¼NW¼ sec. 20, T. 14 N., R. 68 W. Measuring point is 6,394.59 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 14	4.88	Mar. 18	5.26	June 10	0.62	July 29	2.00
21	4.89	25	4.90	17	.26	Aug. 5	2.73
28	4.61	Apr. 8	4.69	24	1.05	12	2.80
Feb. 4	4.87	15	4.64	July 1	1.81	Sept.22	3.03
11	5.05	22	3.60	8	2.27	Oct. 25	.51
25	5.41	29	2.14	15	2.58	Nov. 27	a.50
Mar. 4	5.50	May 28	a.84	22	2.56	Dec. 23	a.11
11	5.48	June 3	a.22				

119 (*940, p. 166). Silver Crown No. 3. City of Cheyenne. NE¼NW¼ sec. 20, T. 14 N., R. 68 W. Measuring point is 6,391.80 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 14	17.55	Mar. 18	17.63	June 10	13.17	Aug. 5	14.82
21	17.30	25	17.45	17	12.95	12	15.05
28	17.13	Apr. 8	17.19	24	13.42	24	16.00
Feb. 4	17.17	15	17.19	July 1	13.97	Sept.22	15.81
11	17.26	22	16.72	8	14.30	Oct. 25	14.50
25	17.65	29	15.40	15	14.69	Nov. 27	13.56
Mar. 4	17.79	May 28	12.13	22	14.79	Dec. 23	13.77
11	17.64	June 3	12.76	29	14.55		

120 (*940, p. 166). No. 3 near Silver Crown. City of Cheyenne. SW¼SE¼ sec. 17, T. 14 N., R. 68 W. Measuring point, 6,366.58 feet above mean sea level.

Water level, in feet below measuring point, 1942

Mar. 4	2.29	June 3	1.71	July 15	2.45	Aug. 24	2.78
18	2.29	10	1.78	22	2.42	Sept.22	2.90
Apr. 8	2.45	17	1.75	29	2.29	Oct. 25	2.49
15	2.50	24	1.89	Aug. 5	2.50	Nov. 27	2.33
22	2.09	July 1	2.19	12	2.60	Dec. 23	2.41
May 28	1.28	8	2.38				

121 (*940, p. 166). No. 4 near Silver Crown. City of Cheyenne. NW¼NE¼ sec. 20, T. 14 N., R. 68 W. Measuring point is 6,384.59 feet above mean sea level.

a Above measuring point.

Laramie County - Cheyenne area--Continued

121. No. 4 near Silver Crown--Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	10.80	Mar. 11	10.68	June 3	9.98	July 29	10.41
14	10.79	18	10.77	10	10.02	Aug. 5	10.66
21	10.73	25	10.73	17	9.98	12	10.75
28	10.68	Apr. 1	10.78	24	10.15	24	10.81
Feb. 4	10.61	8	10.80	July 1	10.44	Sept. 22	10.94
11	10.67	15	10.81	8	10.58	Oct. 25	10.57
18	10.77	22	10.36	15	10.41	Nov. 27	10.54
25	10.84	29	9.93	22	10.58	Dec. 23	10.69
Mar. 4	10.78	May 28	9.52				

122 (*940, p. 167). Archibald No. 2. City of Cheyenne. NW¼SW¼ sec. 14, T. 14 N., R. 68 W. Measuring point is 6,301 feet above mean sea level. Water-stage recorder maintained on well until Oct. 9, 1942.

Water level, at noon, in feet below measuring point, 1942

(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	9.62	9.54	9.82	8.97	....	9.03	9.50	9.75	....	....	....
2	....	9.65	9.43	9.85	8.93	....	9.02	9.53	9.76	....	....	....
3	....	9.60	9.36	9.80	8.92	8.90	9.03	9.52	9.76	9.51	....	....
4	....	9.65	9.50	9.73	8.80	8.83	9.06	9.49	9.76	9.52	....	....
5	....	9.57	9.48	9.70	8.75	8.86	9.08	9.52	9.77	9.52	....	....
6	....	9.74	9.48	9.69	8.75	8.81	9.11	9.56	9.71	9.51	....	....
7	10.29	9.62	9.59	9.71	8.73	8.88	9.12	9.58	9.69	9.48	....	....
8	10.27	9.64	9.63	9.65	8.65	8.89	9.14	9.55	9.72	9.49	....	....
9	10.38	9.74	9.53	9.65	8.57	8.89	9.15	9.49	9.73	9.50	....	....
10	10.41	9.75	9.47	9.65	8.49	8.92	9.16	9.47	9.70	....	....	....
11	19.42	9.72	9.56	9.62	8.46	8.93	9.22	9.45	9.75	....	....	....
12	10.44	9.78	9.62	9.60	8.42	8.78	9.31	9.43	9.71	....	....	....
13	10.32	9.78	9.72	9.61	8.41	8.76	9.38	9.37	9.65	....	....	....
14	10.22	9.69	9.73	9.54	8.43	8.74	9.40	9.38	9.65	....	....	....
15	10.07	9.67	9.76	9.58	8.42	8.75	9.30	9.38	9.69	....	....	....
16	9.94	9.73	9.79	9.64	8.44	8.78	9.34	9.37	9.75	....	....	....
17	9.86	9.78	9.82	9.61	8.49	8.83	9.39	9.38	9.76	....	....	....
18	9.86	9.81	9.82	9.64	8.49	8.86	9.42	9.42	9.73	....	....	....
19	....	9.81	9.79	9.59	8.55	8.85	9.45	9.48	9.66	....	....	....
20	....	9.77	9.79	9.51	8.59	8.85	9.48	9.52	9.60	....	....	....
21	9.75	9.69	9.79	9.45	8.62	8.87	9.48	9.56	9.58	....	....	....
22	9.72	9.54	9.75	9.39	8.64	8.88	9.50	9.64	9.57	....	....	....
23	9.67	9.59	9.76	9.30	8.65	8.82	9.52	9.61	9.57	....	....	a9.16
24	9.71	9.57	9.77	9.21	8.66	8.82	9.53	9.60	9.55	....	....	....
25	9.62	9.50	9.78	9.05	8.69	8.86	9.48	9.63	9.52	a9.17	....	....
26	9.71	9.56	9.85	9.13	8.68	8.87	9.40	9.66	9.55	....	....	....
27	9.66	9.50	9.85	9.12	8.73	8.92	9.41	9.68	9.55	....	a9.15	....
28	9.58	9.48	9.85	9.12	8.76	8.94	9.35	9.69	9.54	....	....	....
29	9.60	....	9.85	9.11	8.78	9.00	9.34	9.70	9.53	....	....	....
30	9.72	....	9.88	9.01	8.80	9.05	9.41	9.73	....	....	....	....
31	9.73	....	9.87	....	8.83	....	9.45	9.75	....	....	....	....

123 (*940, p. 167). Mark T. Cox,III. NW¼NW¼ sec. 31, T. 14 N., R. 67 W. Measuring point, 6,323 feet above mean sea level.

a Tape measurement.

Laramie County - Cheyenne area--Continued

123. Mark T. Cox, III--Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6	a2.13	Apr. 8	a2.88	May 13	4.07	July 15	7.97
11	5.51	9	a2.41	20	b3.56	22	4.86
12	4.31	10	a2.16	27	5.99	29	4.81
18	5.66	11	a2.03	June 3	8.17	Aug. 5	8.01
Apr. 1	9.03	12	a1.90	10	6.62	12	9.47
3	9.28	15	a1.76	17	6.66	24	4.06
4	9.55	22	4.62	24	7.03	Sept.22	4.28
5	5.61	29	5.97	July 1	7.10	Oct. 25	4.59
6	b4.24	May 6	5.38	8	7.52	Dec. 23	4.55
7	a3.46						

124 (*940, p. 167). A. L. King. SE¼NE¼ sec. 6, T. 13 N., R. 67 W. Measuring point, 6,305 feet above mean sea level. Water level, in feet below measuring point, 1942: Mar. 6, 11.27.

126 (*940, p. 167). A. L. King. SE¼NE¼ sec. 6, T. 13 N., R. 67 W. Water level, in feet below measuring point, 1942: Mar. 6, 7.09.

127 (*940, p. 167). A. L. King. NE¼SE¼ sec. 6, T. 13 N., R. 67 W. Measuring point is 6,302 feet above mean sea level. No measurements made in 1942.

129 (*940, p. 167). Curtis Vaughn. SW¼SW¼ sec. 36, T. 14 N., R. 67 W. Measuring point is 6,147 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 7	41.29	Mar. 11	42.12	May 13	39.42	July 22	37.32
14	41.47	18	41.59	20	38.97	29	37.22
21	41.53	25	41.54	27	37.61	Aug. 5	37.38
24	41.48	Apr. 1	45.10	June 3	37.92	12	37.49
28	41.22	7	41.97	10	37.14	24	37.54
Feb. 4	41.32	9	42.22	17	37.08	Sept.22	39.11
11	41.91	15	41.78	24	36.97	Oct. 25	38.50
18	41.67	22	41.85	July 1	37.22	Nov. 27	38.30
25	41.31	29	41.91	8	37.03	Dec. 23	38.47
Mar. 4	41.89	May 6	41.94	15	37.11		

130 (*940, p. 168). Mark T. Cox, III. SE¼SE¼ sec. 32, T. 14 N., R. 67 W. No measurements made in 1942.

131 (*940, p. 168). Owner not known. SW¼SW¼ sec. 10, T. 14 N., R. 67 W. Measuring point is 6,251 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 21	20.64	Apr. 15	19.42	June 17	16.91	Aug. 5	16.50
Feb. 11	20.19	29	18.58	24	16.49	12	16.05
18	20.39	May 13	17.63	July 1	16.56	24	15.94
Mar. 4	20.60	22	17.49	8	16.14	Sept.22	16.16
25	19.93	27	17.09	15	16.20	Oct. 25	15.77
Apr. 1	19.85	June 3	17.32	22	16.53	Nov. 27	14.90
8	19.58	10	17.06	29	16.43	Dec. 23	15.13

132 (*940, p. 168). Stock Growers National Bank. NE¼NW¼ sec. 20, T. 13 N., R. 66 W. Measuring point is 6,033 feet above mean sea level. Measurements discontinued after June 24.

Water level, in feet below measuring point, 1942

Jan. 14	214.03	Mar. 4	213.72	Apr. 15	213.66	May 27	213.56
21	213.91	12	213.31	22	213.42	June 3	213.70
28	213.35	18	213.50	29	213.35	10	213.62
Feb. 4	213.43	25	213.37	May 6	213.97	17	213.76
11	213.52	Apr. 2	213.69	13	213.56	24	c213.62
18	215.50	8	213.75	20	213.93		

a Well flowing. Flow shut off prior to measuring.

b Seepage around casing.

c Pump installed after June readings; measurements discontinued.

Laramie County - Cheyenne area--Continued

133 (*940, p. 168). W. J. Merna. NE¼SW¼ sec. 32, T. 13 N., R. 66 W. Measuring point is 6,168 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	51.79	Apr. 2	52.01	June 3	52.06	July 29	51.96
21	52.04	8	52.06	10	52.02	Aug. 5	51.99
28	51.64	15	52.02	17	52.10	12	51.92
Feb. 4	51.78	22	52.87	24	51.96	24	51.94
11	51.81	29	51.86	July 1	52.20	Sept.22	52.08
Mar. 4	52.02	May 6	52.25	8	52.03	Oct. 25	52.09
12	51.70	13	51.92	15	52.00	Nov. 27	51.80
18	51.92	20	52.18	22	52.11	Dec. 26	51.89
25	51.78	27	51.88				

134 (*940, p. 168). Duck Creek Camp well. Warren Live Stock Co. SW¼SE¼ sec. 1, T. 12 N., R. 68 W. Measuring point is 6,296 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 21	20.40	Mar. 18	21.43	July 22	19.18	Sept.22	20.95
28	20.48	June 15	a16.64	29	17.51	Oct. 25	20.80
Feb. 4	22.96	24	17.43	Aug. 12	19.96	Nov. 27	20.59
11	21.90	July 8	18.38	24	20.25	Dec. 26	20.60
Mar. 4	21.02	15	18.82				

136 (*940, p. 168). Union Pacific Railroad. SW¼NE¼ sec. 33, T. 13 N., R. 67 W. Measuring point is 6,369 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 14	60.47	Mar. 25	b64.40	June 3	b61.37	July 29	60.54
21	60.38	Apr. 8	60.61	10	b61.45	Aug. 5	61.12
28	60.09	15	60.59	17	60.62	12	60.53
Feb. 4	60.26	22	60.28	24	60.35	24	60.68
11	60.28	29	b60.77	July 1	60.69	Sept.22	b60.71
18	60.46	May 6	60.64	8	60.52	Oct. 25	60.45
Mar. 4	60.42	13	60.51	15	60.67	Nov. 27	59.89
12	60.25	20	60.61	22	60.68	Dec. 26	60.20
18	60.79	27	c69.93				

137 (*940, p. 168). Swan No. 1. Warren Live Stock Co. NW¼NW¼ sec. 15, T. 13 N., R. 67 W. Measuring point is 6,200 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 14	18.14	Apr. 8	c77.11	June 17	15.77	Aug. 5	14.97
21	18.15	15	c77.10	24	15.39	12	14.98
28	18.02	May 6	22.91	July 1	15.32	24	15.00
Feb. 4	18.85	20	18.57	8	15.16	Sept.22	15.17
11	18.18	27	17.55	15	15.08	Oct. 25	15.13
Mar. 4	c75.23	June 3	16.87	22	15.05	Nov. 27	15.05
18	c76.39	10	16.23	29	14.96	Dec. 26	15.17

138 (*940, p. 169). Swan No. 2. Warren Live Stock Co. NW¼NE¼ sec. 16, T. 13 N., R. 67 W. Measuring point is 6,219 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 14	7.68	May 20	9.37	July 1	6.62	Aug. 12	6.07
21	7.67	29	8.39	8	6.26	24	6.13
28	7.55	June 3	7.73	15	6.20	Sept.22	6.21
Feb. 4	7.89	10	7.18	22	6.15	Oct. 25	6.07
11	7.65	17	6.86	29	6.10	Nov. 27	5.95
May 6	d13.50	24	6.46	Aug. 5	6.07	Dec. 26	6.10

a New pump installed. New measuring point established at hole drilled in pump base at same place and same elevation as old measuring point.

b Well pumped earlier in day.

c Pumping.

d Well pumped in interval following February measurements.

Laramie County - Cheyenne area--Continued

139. (*940, p. 170). Swan Camp well. Warren Live Stock Co. NE¼NE¼ sec. 15, T. 13 N., R. 67 W. Measuring point is 6,176 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	23.61	Apr. 8	23.59	June 3	20.97	July 29	21.37
21	23.60	15	23.57	10	20.75	Aug. 5	21.57
28	23.55	22	23.46	17	20.53	12	21.91
Feb. 4	23.53	29	23.12	24	20.59	24	22.08
11	23.50	May 6	22.31	July 1	20.93	Sept.22	22.76
Mar. 4	23.69	13	21.64	8	20.92	Oct. 25	22.65
12	23.68	20	21.30	15	21.09	Nov. 27	22.38
18	23.68	27	21.09	22	21.33	Dec. 26	22.28
25	23.61						

140 (*940, p. 170). J. J. Branigan. NE¼NE¼ sec. 11, T. 13 N., R. 67 W. Measuring point is 6,133 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 14	21.59	Mar. 25	21.45	May 27	20.82	July 22	19.90
21	21.58	Apr. 8	21.50	June 3	20.72	Aug. 5	19.89
28	21.44	15	21.51	10	20.51	24	19.85
Feb. 4	21.45	22	21.42	17	20.37	Sept.22	19.94
11	21.46	29	21.34	24	20.18	Oct. 25	19.93
Mar. 4	21.54	May 6	21.20	July 1	20.11	Nov. 27	19.77
12	21.44	13	21.03	8	20.04	Dec. 26	20.01
18	21.45	20	20.92	15	19.97		

141 (*940, p. 170). T. Horsburgh. NW¼NW¼ sec. 12, T. 13 N., R. 67 W. Measuring point is 6,121 feet above mean sea level. Heavy rains fill pit and influence water levels inside casing. Measurements discontinued after Aug. 5, 1942.

Water level, in feet below measuring point, 1942

Apr. 8	3.31	June 3	2.39	July 1	1.81	July 22	1.87
May 20	2.30	17	1.89	8	1.83	29	1.78
27	2.34	24	1.72	15	a.02	Aug. 5	1.73

143 (*940, p. 170). Valley Ranch. Warren Live Stock Co. SE¼SE¼ sec. 5, T. 12 N., R. 67 W. Measuring point is 6,205 feet above mean sea level. Water levels, in feet below measuring point, 1942: Jan. 28, 36.22; Mar. 18, 35.10; Apr. 29, 32.81; June 24, 33.83.

144 (*940, p. 170). Warren Live Stock Co. NE¼NW¼ sec. 11, T. 12 N., R. 67 W. Measuring point is 6,306 feet above mean sea level. Water levels, in feet below measuring point, 1942: Feb. 11, 286.07; Mar. 4, 287.42; Apr. 8, 288.91.

146 (*940, p. 170). Mr. Kimball. NW¼NW¼ sec. 13, T. 13 N., R. 67 W. Water level, in feet below measuring point, 1942: Feb. 4, 18.10.

147 (*940, p. 170). Warren Live Stock Co. NE¼SW¼ sec. 19, T. 13 N., R. 67 W. Measuring point is 6,417 feet above mean sea level. Water levels, in feet below measuring point, 1942: Feb. 4, 28.14; Apr. 8, 28.11; Apr. 29, 27.73.

148 (*940, p. 170). Triangle Camp well. Warren Live Stock Co. SW¼NW¼ sec. 21, T. 13 N., R. 67 W. Measuring point is 6,281 feet above mean sea level. Water levels, in feet below measuring point, 1942: Jan. 14, 5.82; Apr. 8, 5.37; Apr. 29, 5.35.

149 (*940, p. 171). Speer Camp well. Warren Live Stock Co. NW¼NW¼ sec. 27, T. 13 N., R. 67 W. Measuring point is 6,259 feet above mean sea level.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 21	37.10	Mar. 4	36.77	Mar. 18	37.08
28	36.73	12	36.86		

a Rain water had access to casing.

Laramie County - Cheyenne area--Continued

150 (*940, p. 171). William Conrad. NW¼NE¼ sec. 18, T. 13 N., R. 68 W. Measuring point is 6,839 feet above mean sea level. Water level, in feet below measuring point, 1942: Mar. 12, 254.47.

154 (*940, p. 171). Paddle Wheel Mill. Warren Live Stock Co. SW¼SW¼ sec. 31, T. 13 N., R. 68 W. Measuring point is 6,759 feet above mean sea level. Water levels, in feet below measuring point, 1942: June 15, 183.91; Aug. 26, 184.30.

161 (*940, p. 171). Perry Williams Place. Warren Live Stock Co. NW¼SW¼ sec. 16, T. 13 N., R. 69 W. No measurements made in 1942.

162 (*940, p. 171). Mountain Pasture well. Warren Live Stock Co. SE¼SE¼ sec. 34, T. 13 N., R. 69 W. Measuring point is 7,038 feet above mean sea level. Water levels, in feet below measuring point, 1942: June 15, 230.25; Aug. 26, 230.47.

163 (*940, p. 171). Rex Crews. SE¼NW¼ sec. 26, T. 14 N., R. 68 W. Water level, in feet below measuring point, 1942: Apr. 8, 21.80.

164 (*940, p. 171). Rex Crews. NW¼SE¼ sec. 26, T. 14 N., R. 68 W.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	55.69	Mar. 4	56.19	Apr. 4	56.42	Apr. 9	56.26
21	55.83	11	56.22	5	56.42	10	56.22
28	55.88	25	56.32	6	56.42	11	56.17
Feb. 4	55.92	Apr. 1	56.48	7	56.35	15	56.06
25	56.11	3	56.50				

165 (*940, p. 171). Irvin O'Connor. SE¼SE¼ sec. 28, T. 14 N., R. 68 W. Measuring point is 6,525.62 feet above mean sea level.

Water level, in feet below measuring point, 1942

Jan. 7	77.49	Apr. 1	78.38	Apr. 12	78.52	May 27	78.86
21	77.57	3	78.57	13	78.58	June 3	78.96
28	77.42	5	78.53	14	78.41	10	79.03
Feb. 4	77.70	6	78.65	15	78.67	17	79.15
11	77.73	7	78.73	22	78.44	July 1	79.20
18	78.10	8	78.51	29	78.72	Aug. 5	79.30
Mar. 4	78.22	9	78.66	May 6	78.99	12	79.28
11	78.17	10	78.59	13	78.78	Nov. 24	a80.50
18	78.33	11	78.55	20	78.95		

166 (*940, p. 171). Irvin O'Connor. NE¼SE¼ sec. 30, T. 14 N., R. 68 W. Measuring point is 6,592 feet above mean sea level. Water levels, in feet below measuring point, 1942: Apr. 8, 67.20; July 15, 67.78; Dec. 23, 67.19.

167 (*940, p. 172). Owner not known. NW¼NE¼ sec. 6, T. 12 N., R. 65 W. Elevation of measuring point is 6,105 feet above mean sea level. Water level, in feet below measuring point, 1942: Feb. 11, 259.42.

168. Dorian Lumis. SE¼NE¼ sec. 32, T. 13 N., R. 66 W. Used drilled stock well. Measuring point, sheet-metal plate beside clamp at west side, 0.4 foot above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Jan. 28, 58.01; Mar. 4, 58.16; Apr. 7, 58.00.

169. Bresnehan Estate. NE¼SE¼ sec. 2, T. 13 N., R. 67 W. Unused drilled stock well, diameter 6 inches, depth 244.8 feet. Measuring point, top of wood clamp at southwest side, 0.29 foot above top of casing, 1.4 feet above land surface and 6,112 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: Mar. 12, 201.49.

170. Bert McGee. SE¼NE¼ sec. 11, T. 13 N., R. 69 W. Used drilled stock well, reported depth 400 feet. Measuring point, top of casing, 2.9 feet above land surface and 6,907 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: Mar. 12, 112.27.

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a Well deepened to 85 feet in September 1942.

Laramie County - Cheyenne area--Continued

171. Bert McGee. SW¼NE¼ sec. 12, T. 13 N., R. 69 W. Used drilled stock well, diameter 6 inches, reported depth 500 feet. Measuring point edge of hole in cap over casing, 1.7 feet above land surface and 6,857 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: Aug. 26, 214.

174. Orchard Valley well. P. J. Black Lumber Co. SW¼NE¼ sec. 18, T. 13 N., R. 66 W. Unused drilled stock well, diameter 5 inches, depth 181.9 feet. Measuring point, top of casing, 0.6 foot above land surface. Well found plugged July 1, 1942. Measurements discontinued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 2	8.51	Apr. 29	8.10	May 20	7.92	June 10	9.27
7	8.74	May 6	7.80	27	8.53	17	9.03
15	9.00	13	8.12	June 3	9.63	24	9.04
22	8.40						

175. Arthur Francis. NW¼NW¼ sec. 28, T. 14 N., R. 68 W. Unused drilled stock well, diameter 5 inches. Measuring point, upper edge of metal pump clamp, on southwest side, 0.4 foot above top of casing, 1.7 feet above top of casing, 1.7 feet above land surface and 6,540 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: Apr. 29, 98.23; Aug. 24, 98.27.

177. Warren Live Stock Co. NW¼SE¼ sec. 32, T. 15 N., R. 67 W. Used drilled stock well, diameter 8 inches. Measuring point, edge of hole in casing cover, on south side, 2.8 feet above land surface and 6,426 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: May 15, 138.73; Sept. 4, 141.82.

178. Fred Koster. SE¼SE¼ sec. 2, T. 14 N., R. 68 W. Used drilled domestic and stock well, diameter 4 inches. Measuring point, top of casing, on southeast side, 0.5 foot above land surface and 6,558 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: May 15, 211.22.

179. Owner not known. NE¼NE¼ sec. 34, T. 15 N., R. 68 W. Used drilled stock well, diameter 6 inches. Measuring point, top of iron pump clamp, at west side, 0.45 foot above top of casing, 0.9 foot above land surface and 6,574 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: May 15, 203.55.

181. Mr. Lorenz. SE¼SE¼ sec. 18, T. 15 N., R. 69 W. Used drilled stock well, diameter 6 inches, reported depth 56.5 feet. Measuring point, top of wood clamp, on southwest side, 0.30 foot above top of casing, 2.2 feet above land surface and 6,819 feet above mean sea level. Equipped with lift pump.

Water level, in feet below measuring point, 1942

May 11	17.00	Sept. 22	21.13	Oct. 17	21.44	Nov. 21	21.58
Sept. 4	20.24	24	a21.23	Nov. 1	21.54	30	21.49
16	a20.83	Oct. 6	21.81	7	21.57	Dec. 6	21.45
17	20.88	9	22.02	14	21.49	13	21.44

182. Merritt No. 1 well. City of Cheyenne. NE¼SW¼ sec. 9, T. 15 N., R. 69 W. New unused public-service well, diameter 10 inches, depth 308 feet. Measuring point, top of casing, 0.4 foot above land surface and 6,835 feet above mean sea level. Pump test on well July 24-28, 1942. Water-stage recorder maintained on well since Oct. 9, 1942.

a Lowest of two measurements.

Laramie County - Cheyenne area--Continued

182. Merritt No. 1 well--Continued.

Water level, at noon, in feet below measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 24	73.8	Oct. 21	72.04	Nov. 14	72.00	Dec. 8	71.92
July 26	72.62	22	71.95	15	71.79	9	71.93
Aug. 5	a72.36	23	71.88	16	71.77	10	71.94
Sept. 4	a72.08	24	71.87	17	71.80	11	71.99
8	a72.27	25	71.92	18	71.86	12	72.02
14	a72.20	26	71.96	19	71.85	13	72.01
15	a72.22	27	71.88	20	71.92	14	72.08
16	a72.56	28	71.82	21	72.02	15	72.07
17	a73.02	29	71.77	22	72.05	16	72.08
22	a73.27	30	71.82	23	72.02	17	72.02
24	a74.30	31	71.91	24	71.90	18	72.03
Oct. 6	a72.44	Nov. 1	71.89	25	71.86	19	72.02
9	a72.40	2	71.95	26	71.91	20	72.07
10	72.41	3	71.95	27	71.79	21	71.93
11	72.29	4	71.84	28	71.78	22	71.89
12	72.21	5	71.93	29	71.81	23	71.86
13	72.14	6	72.00	30	71.74	24	71.82
14	72.10	7	72.05	Dec. 1	71.75	25	71.78
15	72.13	8	72.04	2	71.75	26	71.85
16	72.11	9	71.99	3	71.81	27	71.99
17	72.14	10	72.06	4	71.85	28	72.00
18	72.15	11	72.15	5	71.87	29	71.96
19	72.14	12	72.12	6	71.90	30	71.96
20	72.10	13	72.14	7	71.89	31	71.93

183. E. A. Goodman. NW¼NW¼ sec. 24, T. 15 N., R. 69 W. Used drilled stock well, depth 137.5 feet. Measuring point, top of casing, on north side, 6,907 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: June 11, 128.93; Sept. 4, 129.80.

184. E. A. Goodman. SW¼SW¼ sec. 12, T. 15 N., R. 69 W. Used drilled stock well, diameter 6 inches, reported depth 277 feet. Measuring point, top of casing, on west side, 0.2 foot above well platform and 6,872 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: June 11, 217.61.

185. Mr. Van Tassel. SE¼SW¼ sec. 10, T. 15 N., R. 69 W. Unused drilled schoolhouse well, diameter 5 inches. Measuring point, top of casing, on south side, level with land surface and 6,825 feet above mean sea level. Equipped with lift pump.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
May 18	85.30	June 25	84.88	June 27	85.01
June 24	84.94	26	84.88	28	85.13

186. King Merritt. NE¼NE¼ sec. 9, T. 15 N., R. 69 W. Used drilled domestic and stock well, diameter 5 inches, reported depth 50 feet. Measuring point, top of casing, 1.7 feet above land surface and 6,759 feet above mean sea level. Equipped with lift pump. Water levels, in feet below measuring point, 1942: June 25, 1.45; June 26, 1.40; June 27, 1.46; June 28, 1.53.

187. Deep Well Mill. Warren Live Stock Co. SE¼SW¼ sec. 30, T. 15 N., R. 68 W. Used drilled stock well, diameter 8 inches, reported depth 498 feet. Measuring point, edge of casing cover beside pump pipe, 2.3 feet above land surface and 6,716 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: June 20, 199.20.

a Tape measurement.

Laramie County - Cheyenne area--Continued

188. Twin Mills. Warren Live Stock Co. NW¼NE¼ sec. 33, T. 15 N., R. 68 W. Used drilled stock well, diameter 5.5 inches. Measuring point, edge of hole in casing cover, 5.7 feet above land surface and 6,610 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: June 18, 183.17.

189. Warren Live Stock Co. SE¼SE¼ sec. 24, T. 13 N., R. 69 W. Used drilled stock well, diameter 6 inches. Measuring point, edge of hole in casing cover, 3.3 feet above land surface and 6,857 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: June 15, a/255.38.

190. State Capitol well. SE¼NW¼ sec. 31, T. 14 N., R. 66 W. Unused drilled irrigation well, diameter 12 inches, reported depth 258 feet. Measuring point, top of 3/4-inch pipe, level with land surface and 6,089 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 30	10.63	Aug. 5	10.70	Sept.23	11.14	Nov. 27	11.40
July 24	10.75	12	11.12	Oct. 27	10.91	Dec. 26	11.70
29	10.76	24	11.28				

191. Amerada Oil Co. SW¼SW¼ sec. 13, T. 13 N., R. 68 W. Unused drilled oil-test supply well, diameter 12 inches. Measuring point, edge of hole in casing cover, 0.8 foot above land surface and 6,521 feet above mean sea level. In feet below measuring point, 1942: July 18, 41.65.

192. Bert McGee. NW¼SW¼ sec. 8, T. 13 N., R. 68 W. Unused drilled stock well, diameter 3.5 inches, depth 230 feet. Measuring point, top of casing, on east side, level with land surface and 6,767 feet above mean sea level. Water level, in feet below measuring point, 1942: Aug. 17, 216.17.

193. Art King. NW¼SE¼ sec. 4, T. 13 N., R. 68 W. Unused drilled domestic well, diameter 5 inches, depth 104 feet. Measuring point, edge of pump base, on south side, through hole in casing, 0.4 foot above land surface and 6,629 feet above mean sea level. Water level, in feet below measuring point, 1942: Aug. 17, 100.98.

194. Tax well. City of Cheyenne. SW¼SW¼ sec. 8, T. 15 N., R. 69 W. New, unused drilled municipal well, diameter 12 inches, depth 380 feet. Measuring point, top of casing, on east side, 1.70 feet above land surface and 6,911 feet above mean sea level. Pump test on well September 1942.

Water level, in feet below measuring point, 1942

Sept.24	b150.00	Oct. 24	147.79	Nov. 14	147.99	Dec. 13	148.37
Oct. 6	148.09	Nov. 1	147.88	30	148.06	22	148.15
9	148.04	7	148.26	Dec. 6	148.22	28	148.39
17	148.21						

195. Community of Federal well. NW¼NW¼ sec. 15, T. 15 N., R. 69 W. Used drilled public-service well, diameter 5 inches. Measuring point, top of casing, on east side, 0.5 foot above land surface and 6,768 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1942: Aug. 6, 97.83.

196. Merritt No. 2. City of Cheyenne. NW¼NE¼ sec. 21, T. 15 N., R. 69 W. Unused drilled public-service well, diameter 12 inches, depth 205 feet. Measuring point, edge of old steel wier covering hole, level with land surface and 6,731 feet above mean sea level.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Nov. 30	55.90	Dec. 13	56.03	Dec. 28	56.01
Dec. 6	55.96	22	56.00		

a Pump stopped 1 hour prior to measurement.

Laramie County - Cheyenne area--Continued

197. Merritt No. 3. City of Cheyenne. SW¼NE¼ sec. 6, T. 15 N., R. 69 W. New unused drilled public-service well, diameter 12 inches, depth 182 feet. Measuring point, top of casing, on west side, 0.8 foot below land surface and 6,841 feet above mean sea level. Water level, in feet below measuring point, 1942: Dec. 28, 32.46.

198. King Merritt. NW¼NE¼ sec. 6, T. 15 N., R. 69 W. Used drilled stock well, diameter 6 inches. Measuring point, top of casing, on west side, at opening at side of wooden plug, 1.0 foot above land surface and 6,813 feet above mean sea level. Well flowed 1-2 gallons a minute, through pipe tapping casing, 5.45 feet below top, until well 197, a quarter of a mile south, was pumped in November 1942.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 7	a4.54	Dec. 13	5.52	Dec. 18	7.01	Dec. 24	b7.52
18	a4.54	14	6.88	22	6.02	28	7.39
Dec. 4	5.42	16	7.24	23	7.93		

199. Seismograph Shot Hole. King Merritt. NE¼NW¼ sec. 6, T. 15 N., R. 69 W. Unused drilled seismograph shot hole, diameter 8 inches. Measuring point, copper bench mark embedded in log across hole, level with land surface and 6,843 feet above mean sea level.

Water level, in feet below measuring point, 1942

Nov. 7	32.55	Dec. 2	32.57	Dec. 14	32.84	Dec. 23	33.30
14	32.46	4	32.65	16	33.01	24	33.32
18	32.54	6	32.67	18	33.14	28	33.49
30	32.46	13	32.78	22	33.21		

Albany County

Laramie area

Each observation well in the Laramie area is designated by a number that serves also to locate it. The first segment of the number indicates the township, the second the range, the third the section. The letters that make up the last segment indicate the position of the well in the section, the first letter indicating the quarter section, the second the 40-acre tract within the quarter section, and the third the 10-acre tract within the 40-acre tract. The quarters of section and tract are lettered in the order shown in the accompanying diagram.

b	a
c	d

A digit at the end of a number indicates a particular well of two or more in the same 10-acre tract. Thus, the third well listed in the SW¼SW¼NE¼ sec. 36, T. 14 N., R. 67 W., would be numbered 14.67.36.adc 3.

a Outlet plugged for half an hour before measurement.
b Lowest of two measurements.

Albany County - Laramie area--Continued

15.72.6.dcd. Warren Land & Livestock Co. Used drilled stock well, diameter 6 inches, reported depth 235 feet. Measuring point, top of cap over casing, 1.2 feet above land surface. Equipped with lift pump. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 11	163.40	Oct. 6	163.03	Nov. 7	162.53	Dec. 1	162.12
Sept.11	163.24	31	162.53	15	162.15	17	162.47

15.72.19.cac. Warren Land & Livestock Co. Used drilled stock well, diameter 8 inches. Measuring point, top of casing, 0.97 foot above land surface. Equipped with lift pump. Aquifer, Casper formation. Water level, in feet above measuring point, 1942: Aug. 11, 50.35.

15.73.2.aba. Turner No. 2 wells. City of Laramie. Unused drilled test well, diameter 10 inches, reported depth 565 feet. Measuring point, top of casing, 0.82 foot above land surface and 7,300.68 feet above mean sea level. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

Apr. 28	30.70	May 24	41	June 7	31.40	July 27	31.27
29	30.70	25	a32.41	8	31.40	Aug. 11	31.26
30	30.70	26	b31.87	9	31.40	18	31.25
May 1	30.70	27	c31.72	10	31.40	Sept. 1	31.25
3	30.55	28	d31.58	11	31.40	11	31.23
4	30.40	29	e31.52	12	e31.30	21	31.20
5	30.40	30	31.6	17	31.30	Oct. 6	31.17
8	30.45	31	31.55	22	31.30	17	31.15
10	37.	June 1	31.50	27	31.28	31	31.14
12	40.	2	31.45	July 6	31.25	Nov. 11	31.14
13	40.	3	31.3	9	31.26	15	31.04
14	39.	4	31.45	13	31.28	Dec. 1	31.06
16	40.	5	e31.31	20	31.27	17	31.06
21	41.	6	e31.31				

15.73.2.acd. Turner No. 4. City of Laramie. Unused drilled stock well, diameter 5 inches, depth 228 feet. Measuring point, top of coupling, 1.73 feet above land surface. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

June 22	21.16	Aug. 11	21.64	Oct. 17	21.59	Nov. 15	21.24
27	21.18	Sept. 1	21.80	31	21.42	Dec. 1	21.01
July 6	21.24	11	21.88	Nov. 7	21.35	17	20.97
27	21.46	21	21.84				

15.73.2.bab. Turner No. 1. City of Laramie. Unused drilled test well, diameter 10 inches, reported depth 232 feet. Measuring point, top of casing, 0.58 foot above land surface and 7,271.39 feet above mean sea level. Aquifer, Casper formation. Automatic water-stage recorder installed May 22, 1942, and removed Nov. 13, 1942.

Water level, at noon, in feet below measuring point, 1942
(From records of city engineer prior to May 22; from recorder charts May 22 to Nov. 13)

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	3.48	3.4	3.49	3.33	3.33	3.28	3.23	3.13	3.09
2	....	....	8.6	...	3.47	3.31	3.33	3.29	3.22	3.16	....
3	....	....	9.15	3.25	3.44	3.32	3.32	3.27	3.23	3.12	....
4	....	3.65	8.0	3.15	3.43	3.33	3.31	3.27	3.23	3.13	....
5	....	3.60	6.9	3.15	3.43	....	3.31	3.27	3.24	3.14	....
6	....	3.58	8.35	....	3.42	3.34	3.32	3.27	3.23	3.14	....
7	....	....	7.45	....	3.41	3.34	3.32	3.27	3.22	3.14	....
8	....	....	8.3	3.15	3.40	3.34	3.32	3.27	3.23	3.12	....

a Highest of 40 measurements; pump shut off 7 hours, 36 minutes.
b Highest of six measurements.
c Highest of four measurements.
d Highest of three measurements.
e Highest of two measurements.

Albany County - Laramie area--Continued

15.73.2.bab. Turner No. 1--Continued.

Water level, at noon, in feet below measuring point, 1942
(From records of city engineer prior to May 22; from recorder charts May 22 to Nov. 13)

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
9	....	3.55	8.65	....	3.39	3.34	3.31	....	3.23	3.13	....
10	....	3.55	9.55	4.45	3.39	3.34	3.31	....	3.22	3.14	....
11	....	3.52	9.4	....	3.38	3.33	3.31	3.28	3.20	3.14	....
12	....	3.52	8.1	4.93	3.35	3.34	3.29	3.27	3.20	3.12	....
13	....	3.52	8.2	5.03	3.36	3.35	3.29	3.27	3.20	3.12	....
14	....	3.50	9.2	5.15	3.34	3.34	3.30	3.26	3.20	....	....
15	....	....	9.0	....	3.33	3.34	3.30	3.26	3.19	3.08	....
16	3.47	....	4.4	5.20	3.34	3.33	3.29	3.25	3.20	....	....
17	3.50	3.55	4.05	....	3.34	3.34	3.29	3.24	3.21	....	3.11
18	3.50	....	3.9	....	3.33	3.34	3.29	3.27	3.19	....	....
19	3.50	....	3.80	....	3.32	3.33	3.29	....	3.18	....	....
20	2.50	....	3.65	....	....	3.34	3.29	....	3.19	....	....
21	9.11	....	3.6	5.30	....	3.34	3.29	3.25	3.16	....	....
22	....	....	3.52	5.30	3.36	3.33	3.31	3.25	3.16	....	....
23	....	3.50	3.52	5.30	3.31	3.33	3.29	3.25	3.17	....	....
24	....	3.50	3.50	5.31	3.31	3.32	3.28	3.24	3.16	....	....
25	10.10	3.50	3.50	5.32	3.32	3.33	3.28	3.23	3.18	....	....
26	9.68	3.53	3.50	4.08	3.32	3.32	3.29	3.24	3.17	....	....
27	....	3.52	3.50	3.83	3.33	3.32	3.28	3.24	3.14	....	....
28	....	....	3.40	3.70	3.33	3.33	3.27	3.23	3.13	....	....
29	....	....	3.40	3.62	3.35	3.32	3.27	3.24	3.14	....	....
30	....	....	3.40	3.57	3.34	3.32	3.28	3.23	3.16	....	....
31	....	....	....	3.52	....	3.33	3.28	....	3.15	....	....

15.73.9.ddd. Holly Hunt. Unused drilled well. Measuring point, top of 1-inch pipe, 0.48 foot above top of casing, 0.72 foot above land surface. Aquifer, Satanka formation. Water level, in feet above measuring point, 1942: June 27, 0.97.

15.73.11.cba. Holly Hunt. Unused drilled well, diameter 6 inches. Measuring point, mouth of 2-inch discharge pipe, subtract 3.15 feet to correct records to feet below land surface. Aquifer, Satanka formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 19	12.77	July 27	12.93	Oct. 17	13.22	Dec. 1	13.11
27	14.80	Aug. 11	12.96	31	13.19	17	13.21
July 7	12.86	Sept.11	13.18	Nov. 15	13.05		

15.73.12.bcc. Oliver Wood. Used drilled stock and domestic well. Measuring point, top of casing, 0.80 foot above land surface. Equipped with lift pump. Aquifer, Casper formation. Water levels, in feet below measuring point, 1942: June 16, 63.60; July 7, 63.32; Sept. 11, 63.51; Sept. 21, 63.23.

15.73.12.dbb. C. T. Wallis. Used drilled stock and domestic well, diameter 5 inches, reported depth 85 feet. Measuring point, base of pump flange, on north side, 1.45 feet above land surface. Equipped with lift pump. Aquifer, Casper formation. Water levels, in feet below measuring point, 1942: June 22, 66.15; July 27, 64.61; Sept. 11, 65.16.

15.73.13.bbb. Otto Berner. Used drilled stock well, diameter 6 inches. Measuring point, top of casing, 0.50 foot above land surface. Equipped with lift pump. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

June 17	62.53	Aug. 11	64.36	Nov. 15	61.63	Dec. 18	a61.17
27	62.36	Sept.11	64.32	Dec. 1	61.30	19	60.94
July 7	62.75	Oct. 31	62.12	17	61.22	22	60.55
27	64.05						

a Lowest of two measurements.

Albany County - Laramie area--Continued

15.73.14.dac 1. Pope No. 1 well. City of Laramie. Used drilled municipal well, diameter 8 inches, reported depth 165 feet. Water level measured by air gage. Center of gage, 1.50 feet above land surface. Equipped with turbine pump. Aquifer, Casper formation.

Water level, in feet below air gage, 1940

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 5	18	May 29	15	June 27	16	Sept. 1	22
6	18	31	18	28	16	2	22
7	18	June 1	18	29	16	3	22
8	18	8	18	30	16	4	22
16	15	22	16	Aug. 27	22	5	22
18	18	23	16	28	22	6	22
21	15	24	16	29	22	7	22
22	18	25	16	30	22	8	22
26	18	26	16	31	22	9	22

Water level, in feet below air gage, 1941

May 1	12	June 16	22	Aug. 1	29	Sept. 16	30
2	12	17	22	2	29	17	30
3	12	18	20	3	30	18	30
4	12	19	22	4	30	19	30
5	12	20	23	5	30	20	30
6	12	21	22	6	30	21	30
7	12	22	22	7	25	22	30
8	12	23	24	8	30	23	30
9	12	24	24	9	30	24	30
10	15	25	24	10	25	25	30
11	15	26	24	11	25	26	30
12	15	27	25	12	25	27	30
13	15	28	29	13	30	28	30
14	20	29	25	14	30	29	30
15	20	30	25	15	25	30	30
16	21	July 1	25	16	25	Oct. 1	30
17	21	2	25	17	25	2	28
18	21	3	25	18	25	3	29
19	22	4	22	19	25	4	29
20	22	5	26	20	28	5	28
21	22	6	22	21	28	6	28
22	22	7	26	22	28	7	28
23	20	8	22	23	28	8	28
24	22	9	22	24	26	9	28
25	22	10	22	25	25	10	25
26	22	11	27	26	25	11	25
27	22	12	27	27	25	12	25
28	22	13	23	28	28	13	25
29	21	14	27	29	28	14	25
30	20	15	28	30	29	15	25
31	20	16	28	31	29	16	25
June 1	20	17	29	Sept. 1	29	17	25
2	22	18	25	2	25	18	25
3	22	19	25	3	25	19	25
4	22	20	25	4	28	20	25
5	23	21	29	5	29	21	25
6	20	22	29	6	29	22	25
7	23	23	29	7	29	23	25
8	20	24	29	8	29	24	25
9	21	25	29	9	29	25	25
10	23	26	29	10	29	26	25
11	22	27	25	11	28	27	25
12	18	28	29	12	29	28	25
13	17	29	25	13	29	29	25
14	17	30	25	14	28	30	25
15	17	31	25	15	30	31	25

Albany County - Laramie area--Continued

15.73.14.dac 1--Continued.

Water level, in feet below air gage, 1942

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18	18	15	14	24	24	26	27	19	19	17
2	18	18	15	14	24	24	26	27	19	19	17
3	18	18	15	14	24	22	26	27	17	19	17
4	18	18	15	14	24	24	26	27	17	19	15
5	18	18	15	14	24	24	26	27	19	19	15
6	18	18	15	13	24	24	26	26	19	19	15
7	18	18	15	13	24	25	26	26	19	19	15
8	18	18	15	13	24	25	26	26	19	17	15
9	18	18	15	13	24	25	26	26	17	17	15
10	18	18	14	13	25	25	26	26	17	17	15
11	18	18	14	13	25	25	26	22	17	17	15
12	18	18	14	13	22	25	26	22	17	17	15
13	16	18	14	13	22	25	26	22	17	17	15
14	16	18	14	13	..	26	26	22	17	17	15
15	16	17	13.5	13	..	26	26	21	..	17	15
16	16	17	21.5	13	..	26	26	19	..	17	15
17	16	17	22	13	24	26	26	19	..	17	15
18	16	17	22	13	24	26	26	21	..	17	a14.39
19	16	18	22	13	..	26	26	21	16	17	a14.14
20	16	19	22	13	18	25	28	21	..	17	.....
21	16	19	22	13	17	25	28	21	..	17	.....
22	16	19	22	13	19	25	28	21	..	17	a13.78
23	16	19	19	13	19	25	28	21	16	17	14
24	16	16	19	13	19	25	28	..	16	17	17
25	16	16	18	18	21	25	28	21	16	17	17
26	16	16	17	18	21	25	26	21	16	17	17
27	16	16	16	18	21	25	26	21	16	17	17
28	16	15	14	18	21	25	26	21	16	17	17
29	..	15	14	24	24	25	26	21	16	17	17
30	..	15	14	24	25	25	26	21	16	17	17
31	..	15	..	24	..	25	26	..	16	..	17

15.73.14.dac 2. Pope No. 2. City of Laramie. Used drilled municipal well, diameter 10 inches, reported depth 165 feet. Water level measured by air gage. Center of gage, 1.5 feet land surface. Equipped with turbine pump. Aquifer, Casper formation.

Water level, in feet below air gage, 1940

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	..	18	16	25	..	20	18	13
2	..	..	22	25	..	20	15	13
3	..	..	22	25	..	20	15	13
4	18	..	16	25	25	20	15	13
5	18	..	16	25	25	20	..	13
6	..	..	16	25	25	18	..	13
7	..	..	16	26	25	18	..	12
8	..	18	24	26	26	18	..	12
9	..	..	24	26	26	18	..	14
10	..	..	24	26	26	18	..	16
11	..	..	24	18	26	18	..	14
12	..	19	24	26	25	18	..	14
13	..	25	24	26	25	18	15	13
14	..	25	24	26	25	18	16	13
15	15	25	24	26	25	18	16	13
16	15	21	24	26	25	18	16	13
17	..	20	24	26	25	18	15	16
18	18	24	24	26	25	18	13	16
19	..	24	24	26	25	18	13	16
20	18	24	16	26	25	18	13	16
21	15	16	16	26	25	18	13	17
22	..	20	16	26	25	18	13	13

a Tape measurement; measuring point, edge of pump base, on east side, 0.5 foot above land surface.

Albany County - Laramie area--Continued

15.73.14.dac 2--Continued.

Water level, in feet below air gage, 1940

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
23	18	16	25	26	25	18	13	13
24	..	24	25	26	25	18	13	13
25	..	..	25	26	25	18	13	13
26	..	24	25	26	25	18	13	13
27	..	25	25	..	25	18	13	13
28	..	25	25	..	25	18	13	13
29	15	25	25	..	25	17	15	13
30	..	25	25	..	25	18	15	13
31	18	..	25	..	..	18	..	12

Water level, in feet below air gage, 1941

Day	Jan.	Feb.	Mar.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12	13	13	12	15	..	25	23	30	25	24
2	12	13	13	12	17	25	26	24	26	25	24
3	12	13	13	12	21	25	26	24	25	30	24
4	12	13	13	12	18	25	26	26	26	28	22
5	12	13	13	12	22	25	26	27	25	30	22
6	12	19	13	12	19	25	26	27	27	30	22
7	12	19	13	12	21	25	26	27	30	30	22
8	12	13	13	12	23	25	26	27	30	25	22
9	12	13	13	12	23	25	26	25	30	25	22
10	12	13	13	18	23	25	26	26	30	25	22
11	12	13	13	16	22	25	26	27	30	30	22
12	12	13	13	16	22	25	24	27	30	28	22
13	12	13	13	18	15	25	23	27	30	25	22
14	12	13	13	20	20	25	23	27	30	25	22
15	12	13	13	20	15	25	26	27	30	25	22
16	12	13	13	20	15	25	26	27	30	25	22
17	12	13	13	20	15	25	26	27	30	25	22
18	12	13	13	20	20	25	26	28	28	23	22
19	12	13	20	20	20	25	24	28	28	23	22
20	12	13	22	15	..	25	22	28	25	23	22
21	12	13	14	20	22	25	22	29	25	23	20
22	14	13	14	20	20	25	24	29	23	23	20
23	14	13	13	18	20	25	24	29	22	25	20
24	14	13	13	20	20	25	25	29	22	25	20
25	14	13	13	15	..	25	26	29	28	20	20
26	13	13	13	20	..	25	26	29	28	20	20
27	13	13	13	20	..	25	24	29	28	25	20
28	13	13	13	19	..	25	24	29	28	26	20
29	13	..	13	15	..	25	21	29	28	26	20
30	13	..	13	18	..	25	23	30	28	26	20
31	13		13	18	..	25	23	..	25	..	20

Water level, in feet below air gage, 1942

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14	25	25	26	30	18	15	15
2	14	25	17	26	30	18	15	15
3	14	24	17	26	30	18	15	15
4	14	25	18	26	30	18	15	15
5	13.5	25	22	26	30	18	15	15
6	14	25	22	26	25	18	15	15
7	14	26	25	26	25	18	15	15
8	13	25	25	27	25	18	15	15
9	13	26	26	27	25	18	15	15
10	13	26	26	27	25	18	15	15
11	13	26	26	27	21	18	15	15
12	13	..	26	27	18	18	15	15
13	13	18	26	27	18	18	15	15
14	13	16	26	27	18	18	15	15

Albany County - Laramie area--Continued

15.73.14.dac 3--Continued.

Water level, in feet below air gage, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
27	24	23	16	15	..	..	26	27	18	21	20	15
28	24	23	16	15	16.3	25	26	27	18	21	20	15
29	24	..	16	15	17.6	27	26	27	18	21	16	15
30	24	..	16	15	24	28	26	27	18	21	16	15
31	24	..	16	15	24	28	26	27	18	21	16	15

15.73.15.aab. William Connor. Unused drilled well, diameter 8 inches, reported depth 251 feet. Measuring point, edge of hole in cap over casing, 0.11 foot above top of casing, 0.80 foot above land surface. Aquifer, Satanka formation. Well originally flowed 43,000 gallons a day.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 27	16.00	Aug. 11	17.36	Oct. 31	17.73	Dec. 1	17.86
July 7	16.03	Sept.11	17.69	Nov. 15	17.61	17	17.99
27	16.26	Oct. 17	17.73				

15.73.15.bdd. William Connor. Used drilled irrigation well, depth 172 feet. Measuring point, mouth of discharge pipe. Subtract 4.0 feet to convert records to feet below land surface. Equipped with turbine pump. Aquifer, Satanka formation.

Water level, in feet below measuring point, 1942

July 7	6.23	Oct. 17	8.27	Nov. 15	8.24	Dec. 17	8.67
Sept.11	8.13	31	8.23	Dec. 1	8.49		

15.73.15.ddb. William Connor. Unused drilled well, diameter 10 inches, reported depth 200 feet. Measuring point, top of casing, 0.80 foot below land surface. Aquifer, Satanka formation.

Water level, in feet below measuring point, 1942

June 19	26.95	July 27	27.37	Oct. 17	28.68	Dec. 1	28.82
27	27.01	Aug. 11	27.72	31	28.67	17	28.92
July 7	27.12	Sept.11	28.53	Nov. 15	28.68		

16.73.2.ddc. King Brothers Sheep Ranch. Used drilled stock well, diameter 5 inches, reported depth 108 feet. Measuring point, edge of ½-inch hole in plate over top of casing, 2.18 feet above land surface. Equipped with lift pump. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
July 8	102.37	Aug. 11	103.50	Dec. 17	103.20
27	102.56	Nov. 15	103.67		

16.73.26.acc. Warren Land & Livestock Co. Used drilled stock well, diameter 6 inches, depth 195 feet. Measuring point, top of casing, on east side, 3.7 feet above land surface. Equipped with lift pump. Aquifer, Satanka formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 22	84.18	Oct. 6	85.14	Oct. 31	85.11	Dec. 1	85.22
July 27	84.66	17	85.21	Nov. 15	85.00	17	85.46
Aug. 11	84.69						

16.73.26.dcc. Union Pacific Athletic Club. Used drilled domestic well, diameter 6 inches, reported depth 160 feet. Measuring point, top of casing, 0.10 foot above concret floor of pit, 5.21 feet below land surface. Equipped with lift pump. Aquifer, Satanka shale. Water level, in feet below measuring point, 1942: June 22, 55.23.

Albany County - Laramie area--Continued

16.73.34.dda. Spring Creek Camp. W. L. Carlisle. Used drilled domestic well, diameter 6 inches, reported depth 110 feet. Measuring point, top of casing, 0.13 foot above floor of pit, 3.70 feet below land surface,. Equipped with pressure pump. Aquifer, Satanka formation. Water levels, in feet below measuring point, 1942: June 22, 15.32; July 9, 16.46.

16.73.35.aaa. Turner No. 3. City of Laramie. Unused test well, diameter 10 inches, reported depth 248 feet. Measuring point, top of casing, 0.98 foot above land surface and 7,350.35 feet above mean sea level. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 1	72.24	May 10	72.4	June 12	72.41	Aug. 17	72.11
4	73.15	12	72.6	18	72.32	Sept. 1	72.11
6	73.25	25	a72.98	22	72.35	11	72.13
11	73.35	26	b72.92	23	72.23	21	72.10
13	73.70	27	c72.85	27	72.31	Oct. 6	72.02
15	73.5	28	c72.72	July 6	72.20	17	72.10
16	73.25	29	72.67	7	72.18	31	71.97
17	73.05	June 1	72.6	13	72.24	Nov. 7	72.01
20	73.05	4	72.5	20	72.20	15	71.82
21	72.95	5	72.51	27	72.17	Dec. 1	71.90
25	72.85	6	72.48	Aug. 11	72.14	17	71.89
May 8	72.3						

17.72.31.cbb. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 178 feet. Measuring point, top of cap over casing, on south side of pump pipe, 2.42 feet above land surface. Equipped with lift pump. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
July 8	170.20	Aug. 11	170.14	Dec. 17	170.14
27	170.15	Sept.12	170.11		

17.73.1.bcb. King Brothers Sheep Ranch. Used drilled stock well, reported depth 283 feet. Measuring point, edge of hole in cap over casing, 3.93 feet above land surface. Equipped with lift pump. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 1	201.92	July 27	201.75	Sept.12	201.69	Dec. 17	201.69
9	201.86	Aug. 18	201.52	Nov. 15	201.33		

17.73.4.ddd. Mr. Kreuger. Used drilled stock well, diameter 5 inches. Measuring point, top of casing, 0.86 foot above land surface. Equipped with lift pump. Aquifer, Chugwater formation or alluvium. Water levels, in feet below measuring point, 1942: July 9, 46.87; July 31, 47.64; Sept. 12, 48.39.

17.73.5.aab. Mr. Kreuger. Used drilled stock well, diameter 6 inches. Measuring point, top of casing, 3.22 feet above land surface. Equipped with lift pump. Aquifer, Cretaceous beds.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Aug. 14	42.02	Oct. 17	27.02	Nov. 15	38.15
Sept.12	38.43	31	36.80	Dec. 17	37.50

a Lowest of four measurements.
b Lowest of five measurements.
c Lowest of three measurements.

Albany County - Laramie area--Continued

17.73.7.ddd. King Brothers Sheep Ranch. Unused drilled well, diameter 8 inches. Measuring point, top of casing, 1.8 feet above land surface. Aquifer, Cretaceous beds.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
July 9	44.57	Oct. 17	44.95	Nov. 15	44.24
Sept.12	44.53	31	44.35	Dec. 17	44.49

17.73.10.bcc. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 100 feet. Measuring point, top of casing, 0.6 foot above land surface. Equipped with lift pump. Aquifer, Chugwater (?) formation or alluvium.

Water level, in feet below measuring point, 1942

July 8	24.66	Oct. 17	24.89	Nov. 15	24.64
31	24.71	31	24.79	Dec. 17	24.84

17.73.11.dbb. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 122 feet. Measuring point, top of coupling, 1.95 feet above land surface. Equipped with lift pump. Aquifer, Stanka (?) formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 2	64.86	July 27	64.96	Sept.12	65.02	Dec. 17	65.13
8	64.52	Aug. 18	64.97	Nov. 15	65.00		

17.73.12.ccb. King Brothers Sheep Ranch. Unused drilled well, diameter 6 inches. Measuring point, top of casing, 0.6 foot above land surface. Aquifer, Satanka (?) formation.

Water level, in feet below measuring point, 1942

July 8	53.34	Aug. 18	53.38	Oct. 17	53.41	Nov. 15	53.37
27	53.36	Sept.12	53.40	31	53.37	Dec. 17	53.39

17.73.13.caa. King Brothers Sheep Ranch. Used drilled stock well, diameter 5 inches, reported depth 125 feet. Measuring point, top of casing, 0.5 foot above land surface. Equipped with lift pump. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

June 24	118.23	July 8	118.26	Aug. 18	118.09	Oct. 17	119.50
July 2	118.38	27	118.14	Sept.12	118.12	Dec. 17	118.27

17.73.14.dbb. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 100 feet. Measuring point, top of casing, 1.30 feet above land surface. Equipped with lift pump. Aquifer, Satanka formation.

Water level, in feet below measuring point, 1942

July 27	47.47	Sept.12	47.51	Oct. 31	47.51	Dec. 17	47.63
Aug. 18	47.47	Oct. 17	47.68	Nov. 15	47.39		

17.73.17.aaa. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 100 feet. Measuring point, top of casing, 0.94 foot above land surface. Equipped with lift pump. Aquifer, Cretaceous (?) beds.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
July 9	41.85	Oct. 17	40.49	Nov. 15	40.09
Sept.12	40.75	31	40.31	Dec. 17	39.96

Albany County - Laramie area--Continued

17.73.21.cca. King Brothers Sheep Ranch. Used drilled stock well, reported depth 100 feet. Measuring point, top of clamp, 0.15 foot above top of casing, 0.28 feet above land surface. Equipped with lift pump. Aquifer, Chugwater formation. Water level, in feet below measuring point, 1942: Aug. 14, 19.37.

17.73.22.ccd. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 100 feet. Measuring point, top of casing, 2.85 feet above land surface. Equipped with lift pump. Aquifer, Chugwater (?) formation.

Water level, in feet below msasuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 23	39.80	Aug. 18	39.82	Oct. 17	39.94	Nov. 15	39.80
July 13	39.80	Sept.12	39.87	31	39.89	Dec. 17	39.87

17.73.24.ddd. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 303 feet. Measuring point, top of casing south side, 0.84 foot above land surface. Equipped with lift pump. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

June 23	163.58	July 8	163.60	Oct. 17	163.85	Nov. 15	164.05
July 2	163.70	Sept.12	163.47	31	163.40	Dec. 17	163.58

17.73.26.dbd. King Brothers Sheep Ranch. Used drilled stock well, diameter 5 inches, reported depth 100 feet. Measuring point, top of casing, 3.60 feet above land surface. Equipped with lift pump. Aquifer, Satanka formation.

Water level, in feet below measuring point, 1942

June 24	25.96	Aug. 18	26.15	Oct. 17	26.34	Nov. 15	25.96
July 13	26.20	Sept.11	26.19	31	26.17	Dec. 17	26.32

17.73.27.acd. John Bell. Used drilled stock well, diameter 8 inches, reported depth 500 feet. Measuring point, top of casing, 0.10 foot below concrete pump base, 0.65 foot above land surface. Equipped with lift pump. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
July 2	a26.45	Aug. 18	c27.92	Dec. 17	27.74
27	b27.18	Nov. 15	27.87		

17.73.27.dcd. King Brothers Sheep Ranch. Used drilled stock well, diameter 5 inches, reported depth 100 feet. Measuring point, top of casing, 3.00 feet above land surface. Equipped with lift pump. Aquifer, Satanka (?) formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 24	63.30	Aug. 18	63.30	Oct. 17	63.39	Nov. 15	63.13
July 13	63.31	Sept.12	63.41	31	63.28	Dec. 17	63.34
31	63.27						

17.73.28.aaa. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 100 feet. Measuring point, top of coupling, on east side, 1.09 feet above land surface. Equipped with lift pump. Aquifer, Chugwater (?) formation. Water levels, in feet below measuring point, 1942: June 23, 37.07; Sept. 12, 32.21; Nov. 15, 32.00.

17.73.33.aab. King Brothers Sheep Ranch. Used drilled stock well, diameter 5 inches, reported depth 100 feet. Measuring point, top of casing, at land surface. Equipped with lift pump. Aquifer, Chugwater (?) formation.

a Highest of six measurements; pump off 24 minutes.
b Higher of two measurements; pump off 40 minutes.
c Pump off 42 minutes.

Albany County - Laramie area--Continued

17.73.33.aab. King Brother Sheep Ranch--Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 13	18.56	Aug. 18	18.86	Oct. 17	19.25	Nov. 15	19.02
31	18.73	Sept.12	19.18	31	19.24	Dec. 17	19.04

18.73.24.bdb. John Bell. Unused drilled well, diameter 8 inches, reported depth 416 feet. Measuring point, top of casing, 2.72 feet above land surface. Aquifer, Casper formation. Water levels, in feet below measuring point, 1942: July 2, 397.97; July 27, 397.79; Aug. 18, 397.68.

18.73.26.acc. John Bell. Used drilled stock well, diameter 8 inches, reported depth 160 feet. Measuring point, top of cap over casing, 2.6 feet above land surface. Equipped with lift pump. Aquifer, Casper formation. Water levels, in feet below measuring point, 1942: Aug. 14, 126.20; Dec. 17, 125.83.

18.73.27.adc 1. John Bell. Used drilled well. Reported depth 500 feet. Equipped with windmill. Measuring point, top of casing, 0.65 foot above ground level. Aquifer, Casper formation.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
July 2	26.45	Aug. 18	27.92	Dec. 17	27.74
27	27.18	Nov. 15	27.87		

18.73.27.adc 2. John Bell. Unused drilled well. Measuring point, top of casing, 0.75 foot above land surface. Aquifer, alluvium (?).

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 2	22.10	Aug. 18	22.99	Oct. 17	24.23	Nov. 15	24.52
27	22.77	Sept.12	23.57	31	24.40	Dec. 17	24.55

18.73.31.cdd. King Brothers Sheep Ranch. Used drilled stock well, diameter 6 inches, reported depth 100 feet. Measuring point, top of casing, 2.0 feet above land surface. Equipped with lift pump. Aquifer, Cretaceous beds. Water levels, in feet below measuring point, 1942: Oct. 17, 24.58; Oct. 31, 24.43; Nov. 15, 24.32; Dec. 17, 24.38.

18.73.34.dcc. Mr. Riedsell. Used drilled stock well, diameter 5 inches. Measuring point, top of casing, 1.0 foot above land surface. Equipped with lift pump. Aquifer, Chugwater (?) formation. Water levels, in feet below measuring point, 1942: July 9, 74.00; Sept. 12, 77.00.

18.73.35.acc. John Bell. Used drilled stock well, diameter 5 inches, reported depth 265 feet. Measuring point, top of casing, on east side, 2.11 feet above land surface. Equipped with lift pump. Aquifer, Casper formation. Water levels, in feet below measuring point, 1942: July 1, a/182.93; Aug. 18, b/181.70; Dec. 17, 181.80.

a Highest of eight measurements; pump shut off 30 minutes.

b Pump shut off prior to measurement.

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