UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
GROUND WATER BRANCH

RECORDS OF WELLS, GROUND-WATER LEVELS, AND GROUND-WATER WITHDRAWALS IN THE LOWER GOOSE CREEK BASIN, CASSIA COUNTY, IDAHO

By

R. W. Mower

Prepared in cooperation with the U. S. Bureau of Reclamation, Region 1, H. W. Nelson, Director, and the Idaho State Department of Reclamation, Mark R. Kulp, State Reclamation Engineer.

Boise, Idaho
December 1963

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INTRODUCTION

Purpose and Scope of Report

Investigations by the United States Geological Survey of ground water in the southern border area of the Snake River Plain, south of the Snake River, are concerned at the present time with delineation of the principal ground-water districts, the extent and location of existing ground-water developments, the possibilities for additional development, and the effects of ground-water development on the regimen of streams and reservoirs whose waters are appropriated for beneficial use. The lower part of the Goose Creek Basin is one of the important ground-water districts of the southern plains area and there are substantial but spotty developments of ground water for irrigation in the basin. Several thousand irrigable acres that are now dry could be put under irrigation if a dependable supply of ground water could be developed. The relations of the ground-water reservoir to the regimen of the Snake River and Goose Creek, and to the large body of ground water in the Snake River Plain north of the Snake, are poorly known. A large amount of geologic and hydrologic study remains to be done before those relations can be accurately

determined. Investigations will be continued in the future but field work and preparation of a comprehensive report inevitably will be delayed. Therefore the available records are presented herein in order to make them accessible to farmers, well drillers, government agencies, and the general public. Interpretation of the records is not attempted in this report and is deferred pending the accumulation of additional and quantitative information. The data summarized herein include records of the locations and physical characteristics of wells, the depth to water in wells, fluctuations of water levels in observation wells, and estimated rates and volumes of seasonal and yearly ground-water pumpage for irrigation, municipal, and other uses. This information is complete for work done as of December 31, 1952.

The investigations upon which this report is based were undertaken in cooperation with the U. S. Bureau of Reclamation, Region 1, at the request of the Planning Division, Central Snake River District. The report was compiled in the first instance for the use of the Bureau of Reclamation but is now released to the public. The observation-well program in the area has been maintained in cooperation with the Idaho State Department of Reclamation as part of the regular cooperative program of the Geological Survey.

Location and Extent of Area

The area reported on herein lies within Tps. 9 to 14 S., Rs. 22 to 25 E., Boise baseline and meridian, and is chiefly in the lower part of the Goose Creek Basin below Goose Creek Reservoir (fig. 1). The northern part of the basin is not naturally separated from basalt

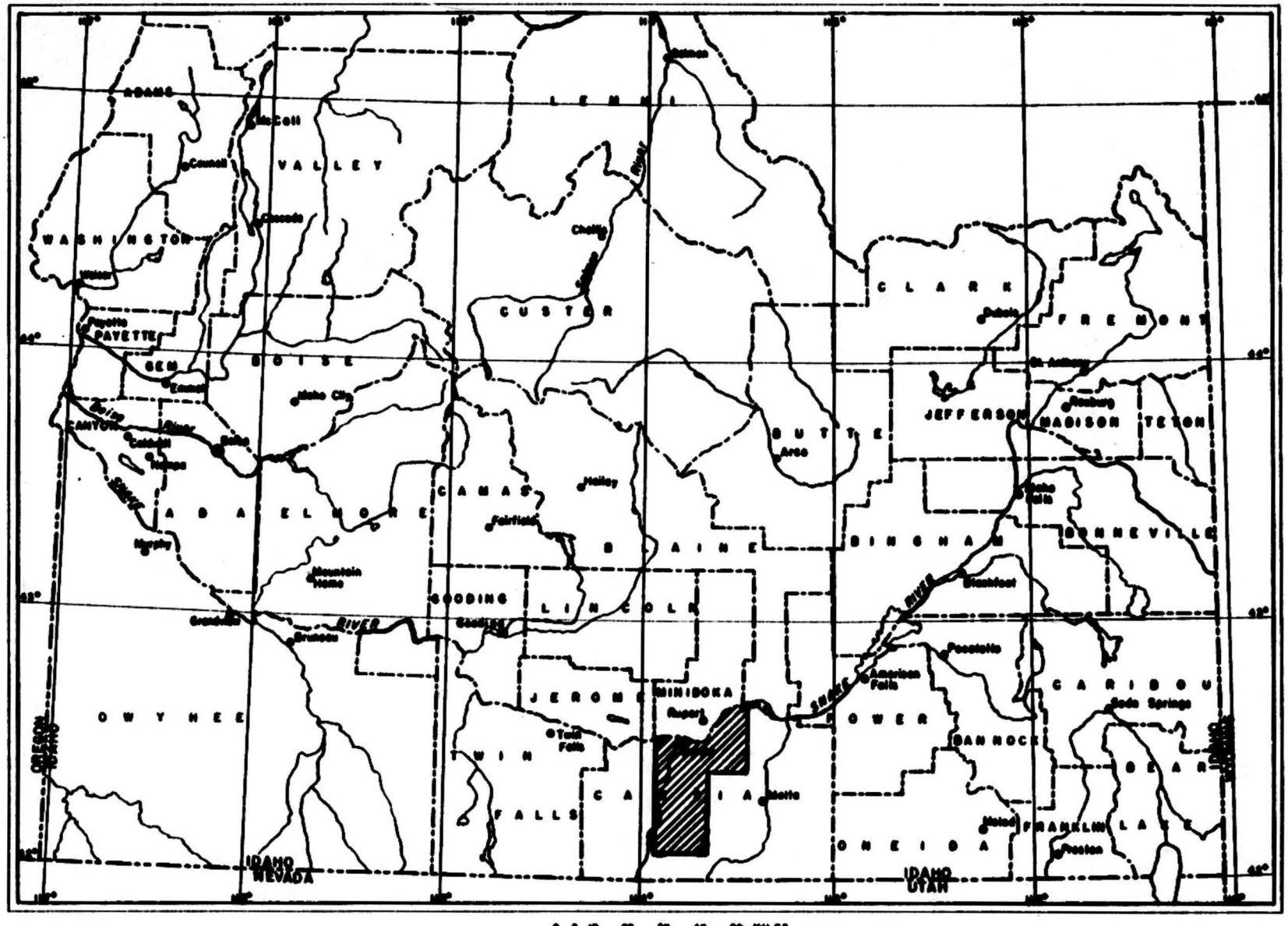

Figure. 1. Index map of southern Idaho showing area covered by this report

PLAINS, WHERE GROUND WATER FROM THE MARSH CREEK VALLEY ON THE EAST IS PHYSICALLY CONTINUOUS WITH THAT FROM THE GOOSE CREEK BASIN. RECORDS OF WELLS AND OTHER DATA FOR THE TRANSITION AREA OF BASALT PLAINS ADJACENT TO THE NORTHEASTERN PART OF THE GOOSE CREEK BASIN THEREFORE ARE INCLUDED. RECORDS ARE LACKING FOR WELLS IN THE WESTERN FLANK OF THE GOOSE CREEK VALLEY. THUS THERE IS A GAP BETWEEN THE AREA COVERED BY THIS REPORT AND THAT COVERED BY AN EARLIER REPORT ON THE DRY CREEK AREA TO THE WEST. 1/

1/ WEST, S. W., AND FASER, S. W., 1952, RECORDS OF WELLS AND GROUND-WATER WITHDRAWALS IN THE DRY CREEK AREA, CASSIA AND TWIN FALLS COUNTIES, SOUTHERN IDAHO: U. S. GEOL. SURVEY OPEN-FILE REPORT (DUPLICATED). 114 PP., 1 PL., 2 FIG'S.

THE AREA, COMPRISING ABOUT 275,000 ACRES (ABOUT 470 SQUARE MILES), INCLUDES MOST OF THE LOWER GOOSE CREEK BASIN, PART OF THE LOWER MARSH CREEK VALLEY, AND ADJACENT PARTS OF THE SNAKE RIVER PLAIN SOUTH OF THE SNAKE RIVER (PL. 1). BOTH THE SURFACE AND THE GROUND-WATER DRAINAGE OF THE GOOSE CREEK BASIN IS GENERALLY NORTHWARD.

AGRICULTURAL DEVELOPMENT

A FLAT ALLUVIAL PLAIN ADJACENT TO THE SNAKE RIVER IN THE NORTHERN PART OF CASSIA COUNTY CONTAINS THE BURLEY DIVISION OF THE MINIDOKA PROJECT OF THE U. S. BUREAU OF RECLAMATION. THIS DIVISION HAS BEEN IRRIGATED WITH SURFACE WATER SINCE 1907. FARMING IN THE LOWER GOOSE CREEK VALLEY WAS BEGUN ABOUT 1850 BY MORMON PIONEERS. IT IS REPORTED THAT THERE WERE SETTLERS ALREADY LIVING ALONG GOOSE CREEK WHEN THE MORMONS ARRIVED. IN 1913 GOOSE CREEK RESERVOIR WAS COMPLETED, PERMITTING EXPANSION OF FARMING IN THE VICINITY OF OAKLEY. DRY FARMING

HAS BEEN ATTEMPTED IN THE VALLEY BUT MOST OF THE DRY FARMS WERE ABANDONED MANY YEARS AGO BECAUSE OF INADEQUATE RAINFALL DURING THE GROWING SEASON. SINCE 1947 PRIVATE LANDS, AGGREGATING ABOUT 2,500 ACRES, T. 10 S., RS. 24 AND 25 E., AND ABOUT 6,000 ACRES IN TPS. 11 TO 14 S., RS. 22 AND 23 E., HAVE BEEN BROUGHT UNDER IRRIGATION WITH GROUND WATER. ADDITIONAL WELLS FOR IRRIGATION ARE BEING DRILLED IN THESE AND OTHER AREAS.

History of Investigations

GROUND-WATER INVESTIGATIONS IN CASSIA COUNTY WERE MADE AS EARLY AS 1921 IN THE GOOSE CREEK BASIN BY PIPER,[1] WHO STUDIED THE GEOLOGIC CONDITIONS THAT AFFECTED FLOWING ARTESIAN WELLS WEST OF OAKLEY. A RECONNAISSANCE INVESTIGATION OF GROUND WATER IN A LARGER AREA THAT INCLUDED THE LOWER GOOSE CREEK BASIN WAS REPORTED BY STEARNS AND OTHERS.[2] SINCE 1946 THE GEOLOGICAL SURVEY AND THE IDAHO DEPARTMENT OF RECLAMATION HAVE COOPERATED CONTINUOUSLY IN A SYSTEMATIC PROGRAM OF GROUND-WATER INVESTIGATION IN IDAHO. OBSERVATIONS AND PERIODIC MEASUREMENTS IN PROJECT OBSERVATION WELLS HAVE BEEN MADE CONTINUOUSLY IN CASSIA COUNTY SINCE 1947. A GENERAL HYDROLOGIC STUDY OF THE AREA HAS BEEN IN PROGRESS ON A MODERATE SCALE SINCE MAY 1952, INCLUDING THE FOLLOWING CATEGORIES OF WORK IN THE LOWER GOOSE CREEK BASIN:

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[1] PIPER, ARTHUR M., 1923, GEOLOGY AND WATER RESOURCES OF THE GOOSE CREEK BASIN, CASSIA COUNTY, IDAHO: IDA. BUR. OF MINES AND GEOL. BULL. 6, 78 PP.

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[2] STEARNS, H. T., CRANDALL, L. AND STEWARD, W. G., 1936, RECORDS OF WELLS ON THE SNAKE RIVER PLAIN, SOUTHEASTERN IDAHO: U. S. GEOL. SURVEY WATER-SUPPLY PAPER 775, 239 PP.

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1. Canvass and measurement of most of the deep wells and of representative shallow wells. The total number of wells canvassed was 579. The few well records that were contained in earlier reports are included herein to make the record complete.

2. Establishment of a few project observation wells. Three wells are now measured six to twelve times a year. The water-level records for these wells in this report are complete through December 31, 1952.

3. Leveling. Altitudes of about one-half of the canvassed wells were determined by spirit level, in accordance with third order leveling standards by the Bureau of Reclamation. Leveling was controlled from U. S. Coast and Geodetic Survey bench marks. The altitude of the land surface at the well sites and of the measuring points of wells were determined; altitude reference marks were established near well sites in order to insure ready recovery of the measuring datum in case of future alteration or destruction of measuring points. The data on measuring points and water-surface altitudes are contained herein.

4. Collection of well logs and other drilling data, which are summarized in this report.

Personnel and Acknowledgments

Well canvassing and measurements of wells were during various periods since 1947 by personnel of the Geological Survey. Field work was chiefly by R. W. Mower, J. T. Barraclough, S. W. West, and H. G. Sisco. General reconnaissance and supervision were by R. L. Nace. Spirit leveling was by the U. S. Bureau of Reclamation. The well-location

map was compiled and drafted by R. L. Whitehead. The Burley Irrigation District furnished well data and water-level measurements for some privately owned wells.

Local residents and drillers in the area cooperated by furnishing well logs and other useful information, and by permitting measurements of wells.

Ground-water investigations by the Geological Survey in Idaho are under the general direction of A. N. Sayre, Chief of the Ground Water Branch, Washington D. C. Investigations in cooperation with the Idaho Department of Reclamation are directed jointly by Mark R. Kulp, State Reclamation Engineer. Work in Idaho is supervised by R. L. Nace, District Geologist, Boise, Idaho.

WELL-NUMBERING SYSTEM

Idaho well numbers indicate the locations of wells within the official rectangular subdivisions of the public lands, with reference to the Boise base line and meridian. The first two segments of a number designate the township and range. The third segment gives the section number, followed by two letters and a numeral, which indicate the quarter-section, the 40-acre tract, and the serial number of the well within the tract. Quarter sections are lettered A, B, C, and D in counterclockwise order, from the northeast quarter of each section (fig. 2). Within the quarter-sections 40-acre tracts are lettered in the same manner. Well 11S 23E-12dc1 is in the SW¼SE¼ sec. 12, T. 11 S., R. 23 E., and is the well first visited in that tract.

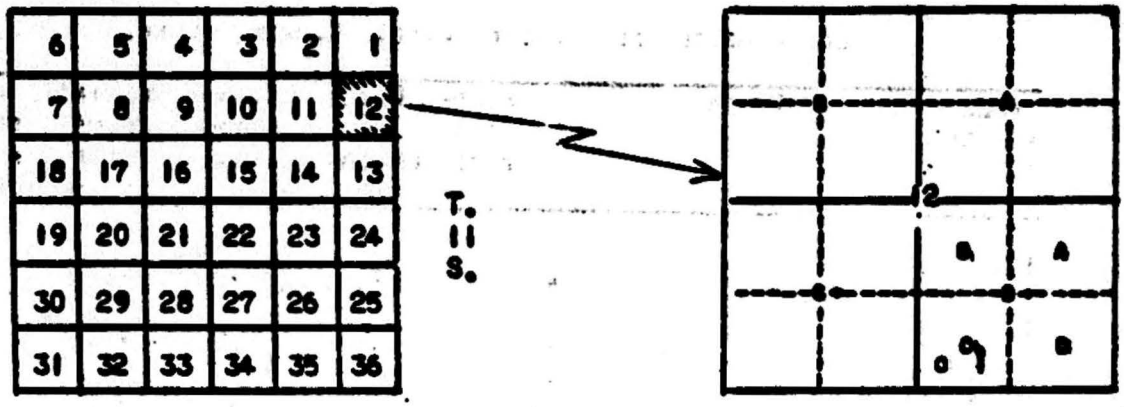


FIGURE 2. ILLUSTRATION OF WELL-NUMBERING SYSTEM.

GROUND-WATER WITHDRAWALS

THE PRINCIPAL USES OF GROUND WATER IN THE LOWER GOOSE CREEK BASIN ARE FOR STOCK AND DOMESTIC SUPPLIES, IRRIGATION, AND INDUSTRY. ALTHOUGH IRRIGATION WITH GROUND WATER IS CHIEFLY IN TWO RATHER SMALL AREAS AT PRESENT, THE VOLUME OF WATER USED FOR IRRIGATION IS MUCH GREATER THAN THAT FOR ALL OTHER PURPOSES. THE ESTIMATED TOTAL PUMPAGE OF GROUND WATER IN THE AREA IN 1952 WAS ABOUT 34,000 ACRE-FEET (TABLE 1), INCLUDING ABOUT 31,700 ACRE-FEET FOR IRRIGATION, ABOUT 1,900 ACRE-FEET FOR PUBLIC SUPPLY IN THE CITY OF BURLEY, AND ABOUT 400 ACRE-FEET FOR DOMESTIC AND STOCK USE. TABLE 1 ALSO CONTAINS INFORMATION ABOUT THE LOCATION, OWNERSHIP, DATE OF MEASUREMENT, PUMPING RATE, DRAWDOWN OF WATER LEVELS DURING PUMPING, THE APPROXIMATE LENGTH OF PUMPING SEASON PER YEAR, AND THE VOLUME, IN ACRE-FEET, OF GROUND WATER PUMPED FROM 75 WELLS.

TABLE 1. GROUND-WATER WITHDRAWALS IN THE LOWER GOOSE CREEK BASIN, CASSIA COUNTY, IDAHO.

WELL NUMBER	OWNER	PUMPING RATE (GPM)	DATE OF MEASUREMENT	DRAWDOWN (FT.)	PUMPING DAYS PER YEAR	WITHDRAWAL PER YR. (ACRE-FT.)
10S 22E-						
33bb1	R. O. HATCH	* 568	SEPT. 1952	*46	*120	295
10S 23E-						
20AB1	CITY OF BURLEY	* 900	1947	* 0+	* 60	240
20AB2	DO	* 600	1947	* 0+	* 60	160
20BC1	DO	*1,000	1947	*16	* 60	265
20BD1	DO	*1,100	1947	*16	* 60	290
20CB1	DO	* 900	1947	* 9	* 60	240
20DC2	DO	* 700	1947	*15	* 60	185
20DC3	DO	*1,200	1926	*14	*180	960
20DC5	DO	*1,100	1947	19.1	* 60	290
20DC7	DO	*1,200	1947	*11	*180	960
22CC1	DO	* 900	1947		* 60	240
28BA1	DO	* 375	1947	*12	* 60	100
29BA2	DO	* 900	1947	11.9	* 60	240
29BC1	DO	* 747	10-5-49		* 60	161
10S 24E-	W. W. AND W. T.					
1DB1	NEWCOMB	*1,400	1952		*120	740
12AB1	DO	*1,200	1952		*120	640
	W. W. AND W. T.					
5BC1	NEWCOMB	* 700	1952		*120	370
6BB1	DO	* 950	1952		*120	505
6BA1	DO	* 820	1952		*120	435
7AB1	ANDERSON	* 950	1952		*120	505
7BA1	W. W. AND W. T.					
	NEWCOMB	* 750	1952		*120	400
7BB1	DO	* 750	1952		*120	400
10S 25E-						
29BA1	WILLIAM ANDERSON	* 160	1952	*25	* 90	65
29BA1	DO	* 225	1947	*50	* 90	90
30BA1	DO	* 675	1948	*34	* 90	270
30BB1	DO	* 225	1947	*35	* 90	90
11S 22E-						
3AB1	R. O. HATCH	* 800	1952		* 90	320
24BC1	C. L. GARNER	*1,250	1951	*26	*120	665
27CC1	H. C. BAKER	* 100	1951	*50	0	UNUSED
36BC1	WADE BAKER	1,650	7-17-52	*75	*150	1,090
11S 23E-	BERT WOLFE AND					
3AB1	SON	*1,025	1952		* 75	340
15BB1	BAUGH	* 810	1952	*20	* 90	320
28BB1	NEWELL BAKER	*1,800	1952		*150	1,190
28BB1	RICHARD GUZMAN	*1,845	1952	* 0+	*135	1,100

SEE FOOTNOTE AT END OF TABLE.

TABLE 1. — CONTINUED

11S 23E-						
29BC1	HAL MATHEWS	1,740	7-19-52	*80	*150	1,180
32AB1	ROLAND SMITH	2,125	7-19-52		*120	1,120
32BC1	DO	*1,890	1952		*120	1,000
32CD1	DO	620	7-18-52	*105	*120	330
33BC1	VICTOR SMITH	*1,890	1952	* 55	*120	1,000
33CC1	DO	*1,350	1952		*120	715
11S 24E-						
2DA1	C. A. RASSMUSSEN	* 350	MAY 1951		* 90	145
4AD1	ETHEL GUMMERSON	* 900	1952	* 4	* 90	360
7CB1	BURLEY IRRIGATION DISTRICT	*1,100	1952	17.5	*120	585
8CD1	DO	* 600	1952	43	*120	320
21DD1	FRANK H. WEEKS	* 900	1952		*120	480
11S 25E-						
11CB1	E. I. DEWEY	* 150		FLOWING	365	240
11DC1	DO	* 2		FLOWING	365	3
14AB1	BRIDGER	* 4		FLOWING	365	6
12S 22E-						
5BC1	C. A. CAMPBELL	*2,115	1952		*120	1,120
32CB1	WILLARD CRANNEY	*1,125	1949	* 35	*120	600
13S 22E-						
3BC1	W. B. WHITELEY	220	7-16-52	* 55	*150	145
7AA1	ALBERT ANDERSON AND SON	690	7-11-52	*135	*120	365
7AA2	RAY ANDERSON	990	7-11-52	*100	*120	525
8CA1	WOODHOUSE BROS.	650	7-17-52	* 95	*120	345
9AB1	FRED BECKE	235	7-17-52		* 45	45
9CB1	W. B. WHITELEY	780	7-17-52		*150	515
9DD1	JESSE BEDKE	620	7-12-52		*150	410
15CB1	NELSON & TRUE, INC.	800	7-14-52		*120	425
15CC1	ENNIS MATHEWS	890	7-17-52		*150	590
16DC1	NELSON & TRUE, INC.	625	7-14-52		*150	415
16DC2	DO	790	7-14-52		*150	525
16DD1	DO	570	7-14-52		*150	380
17DC1	EUGENE PICKETT	975	7-16-52		*150	645
20CC1	ORVILLE ADAMS	* 480	1952	* 55	*120	240
20CD1	J. T. ROBINSON	230	7-18-52		*135	135
20CD2	DO	710	7-12-52		*135	425
21CD1	THOMAS MAGEY	580	7-16-52	* 40	*150	385
21DC1	L. R. CRITCHFIELD	* 430	1952		*150	285
28BC1	JESSE BEDKE	* 270	1952			UNUSED
28CD1	DO	900	7-12-52	* 43	*150	595
31DC1	W. B. WHITELY	* 225	1950	* 15		UNUSED
33CA1	BERRIGE HOWELLS	975	7-12-52	* 77	*120	305

* SEE FOOTNOTE AT END OF TABLE.

TABLE 1. — CONTINUED

13S 22E-33B02	ENNIS MATHEWS	460	7-16-52		*120	245
13S 23E-4CA1	ALBERT ANDERSON AND SON	*2,250	1951	*32	*180	1,130
8B81	L. [illegible]K, ELQUIST & ANDERSON	*1,260	1952		*150	835
14S 23E-3B81	BEDKE AND GORRINGE	* 980	1952	*37	*120	925
	ESTIMATED TOTAL					33,820

* NOT MEASURED BY GEOLOGICAL SURVEY. QUANTITIES SHOWN WERE ESTIMATED OR WERE REPORTED BY OWNERS AND DRILLERS.

RECORDS OF WELLS

EXPLANATION OF FORM OF RECORDS

GENERAL CONTENTS

THE LOCATIONS OF ALL WELLS THAT WERE CANVASSED IN THE GOOSE CREEK BASIN ARE SHOWN ON THE ACCOMPANYING MAP (PL. 1). THE FOLLOWING PAGES CONTAIN LOGS OF MATERIALS DRILLED AND CONDITIONS ENCOUNTERED IN 68 WELLS FOR WHICH THIS INFORMATION WAS AVAILABLE. COMPLETE RECORDS OF WATER-LEVEL FLUCTUATIONS IN PROJECT OBSERVATION WELLS AND A FEW OTHER WELLS ARE TABULATED. TABLE 2 SUMMARIZES INFORMATION ABOUT THE LOCATION, OWNERSHIP, CASING, DEPTH, USE, DEPTH TO WATER, AND ALTITUDE OF THE WATER SURFACE IN 579 WELLS.

WELL LOGS

MOST OF THE WELL LOGS ARE FROM DRILLERS' RECORDS, BUT A FEW WERE REPORTED VERBALLY BY OWNERS. THE TERMINOLOGY OF THE DRILLERS' AND OWNERS' LOGS HAS BEEN SLIGHTLY MODIFIED IN ORDER TO ACHIEVE A DEGREE OF UNIFORMITY.

Project Observation Well

Wells in which the depth to water is periodically or regularly measured are called project observation wells.

Measuring Point

A measuring point is a well-defined permanent point over a well, such as the top of the casing or the top of the pump platform, from which measurements of the depth to water can be made conveniently.

Land-Surface Datum

The Geological Survey reports water levels in wells in Idaho in terms of depth to water below the land-surface datum at the well site. At the time a measuring point is established for a well, the distance in feet of the measuring point above or below the general land surface at the site is measured. This natural land surface is designated as the land-surface datum. Thereafter, the actual land surface may change through natural causes or by artificial excavation or fill, but the designated land-surface datum remains unchanged and water levels continue to be reported with reference to that datum.

Altitude

All altitudes are distances in feet above the United States Coast and Geodetic Survey mean sea-level datum of 1929, Pacific Northwest Supplementary Adjustment of 1947.

LOGS OF WELLS

10S 23E-20dc1. City of Burley

Driller's log obtained from Burley City Engineer June 26, 1947.

Material	Thickness (feet)	Depth (feet)
Soil	10	10
Gravel, coarse; struck water	16	26
Clay	26	52
Sand and gravel, pea size; struck more water	3	55
Clay	14	69
Gravel, pea size; struck more water	1.5	70.5
Clay	0.5	71

10S 23E-20dd1. City of Burley

Driller's log obtained from Burley City Engineer June 26, 1947.

Material	Thickness (feet)	Depth (feet)
Soil and clay	12	12
Sand and gravel; struck water	13	25
Sand and clay; struck more water	33	58
Gravel, coarse; struck more water	2	60
Sand; struck more water	8	68
Gravel; struck more water	27	95
Clay, sticky	9	104

10S 23E-20dc3. City of Burley

Driller's log obtained from Burley City Engineer June 26, 1947.

Material	Thickness (feet)	Depth (feet)
Soil	8	8
Sand and gravel; struck water	12	20
Quicksand	10	30
Clay, soft	8	38
Sand and gravel, packed	8	46
Clay and gravel	6	52
Gravel; struck more water	14	66

CLAY,	SOFT	6	72
CLAY AND	GRAVEL	18	90
SAND		8	98
CLAY,	HARD	34	132
CEMENTED	STRATUM	8	140
CLAY,	SOFT	4	144
CLAY,	SANDY, HARD	14	158
BASALT,	BLACK	44	202
BASALT,	BLACK, VERY HARD	20	222
BASALT,	BLACK; CREVICES FULL OF YELLOW CLAY	16	238
BASALT,	BLACK; WATER LEVEL DROPPED	17	255
CLAY,	SANDY, RED	13	268
CLAY,	YELLOW, STICKY	12	280
TALC	[LIGHT-COLORED CLAY?]	11	291
GRAVEL,	LOOSE	1	292
CLAY,	YELLOW, HARD	9	301
SAND AND	GRAVEL; STRUCK MORE WATER	15	316
CLAY,	YELLOW, HARD	69	385
CLAY,	BLUE, STICKY	30	415
CLAY,	YELLOW	3	418
CLAY,	SANDY, BLUE	8	426
CLAY AND	GRAVEL; WATER LEVEL ROSE	26	452
GRAVEL,	LOOSE; STRUCK SOFT WATER	12	464
CLAY,	YELLOW, HARD	4	468
BASALT,	BLACK, BROKEN	2	470
BASALT,	BLACK, HARD	6	476
BASALT,	RED, SOFT	3	479
BASALT,	GRAY, HARD	21	500
BASALT,	RED, SOFT	7	507
BASALT,	RED, HARD; WATER LEVEL DROPPED	20	527
BASALT,	GRAY, HARD	23	550
BASALT,	RED, SOFT	7	557
BASALT,	RED, HARD	13	570
BASALT,	GRAY, HARD	11	581
BASALT,	GRAY-GREEN, VERY HARD	40	621
BASALT,	RED, HARD; WATER LEVEL DROPPED	79	700
BASALT,	GRAY, HARD	31	731
BASALT,	RED	12	743
BASALT,	GRAY	15	758
BASALT,	GRAY, AND CLAY	4	762
BASALT,	GRAY	43	805
BASALT,	RED, HARD	6	811
BASALT,	RED, BROKEN	2	813
BASALT,	GRAY	35	848
BASALT,	RED, BROKEN	6	854
BASALT,	GRAY	24	878
BASALT,	RED	15	893

Basalt,	gray, broken; caved	7	900
Basalt,	gray, hard	5	905
Basalt,	black, in alternating hard and soft layers	24	929
Basalt,	black, hard	6	935
Basalt,	black, and clay	3	938
Basalt,	gray to black, hard	18	956
Basalt,	black, and clay	8	964
Basalt,	gray to black, hard	19	983
Basalt,	red	11	994
Basalt,	gray to black, hard	55	1,049
Basalt,	black, and clay	12	1,061
Basalt,	red	3	1,064
Basalt,	black	12	1,076
Basalt,	red, broken; caved	5	1,081
Basalt,	gray, hard	6	1,087
Basalt,	red, soft	5	1,092
Basalt,	gray, hard	8	1,100
Basalt,	red	7	1,107
Basalt,	gray, hard	8	1,115

Twenty-four inch casing 0 to 158 feet; 18-inch casing 0 to 418 feet; 15-inch casing 390 to 469 feet. Fifteen-inch casing perforated from 452 to 464 feet, 10 holes per foot, size 5/8-inch by 3-feet.

10S 23E-20dc4. City of Burley

Driller's log obtained from Burley City Engineer June 26, 1947.

Material		Thickness (feet)	Depth (feet)
Soil		8	8
Gravel and sand,	loose, dry	2	10
Clay,	not sticky; mixes readily with water	22	32
Sand,	dark-colored, coarse, loose; some gravel, pea size	30	62
Clay,	hard	4	66
Sand and gravel,	loose; struck large volume of water	38	104
Clay,	light and dark stratas, sticky; did not mix readily with water; 4-inch layer of sand and gravel at bottom, with small volume of water	23	127

IOS 23E-20bc4 — Continued

Talc,	light-colored, [light-colored clay]? Drilled easily	6	133
Clay,	light-colored, soft. Drilled easily	31	164
Basalt,	hard	36	200
Basalt,	reddish, moderately hard	6	206
Basalt,	dark-colored, very hard	14	220
Basalt,	somewhat softer with lime-like material	4	224
Basalt,	dark-colored to red. Drilled easily	11	235
Basalt,	red and dark-colored, very hard; struck more water in a crevice, about 1-foot deep, at 243 feet below land surface	27	262
Sandstone,	brick-red, soft, decomposed; underlain by yellow clay and fine sand; struck more water in sandstone	9	271
Clay,	yellow, sticky, moderately heavy	24	295
Clay,	hard, brittle	10	305
Sand and gravel,	fine; struck more water	14	319
Clay,	yellow, sticky	65	384
Clay,	white; caved; struck small volume of water	6	390
Clay,	blue, gummy; "chalky" toward bottom; caved	33	423
Sand,	blue, fine, and gravel; struck large volume of water	5	428
Sand,	fine, grading downward into fine gravel; coarse gravel and clay layers in lower part of interval	13	441
Sandstone,	soft, crumbly	2	443
Clay,	white, "chalky", very soft	3	446
Gravel,	cemented; caved at 460 feet	14	460

IOS 23E-20bc7. City of Burley

Driller's log obtained from Burley City Engineer June 27, 1947.

Material		Thickness (feet)	Depth (feet)
Soil		8	8
Gravel and sand,	dry, loose	2	10
Clay,	light-colored; not gummy or sticky	22	32
Sand,	dark-colored, coarse, loose; some pea-size gravel	30	62
Clay,	hard	4	66
Sand and gravel,	fine to coarse, loose; struck large volume of water	38	104

10S 23E-20dc7 -- CONTINUED

CLAY,	STICKY, IN ALTERNATE DARK AND LIGHT-COLORED LAYERS; 4-INCH LAYER OF SAND AND FINE GRAVEL AT BOTTOM OF INTERVAL, CONTAINING A SMALL VOLUME OF WATER . . .	23	127
TALC [CLAY?],	LIGHT-COLORED; DRILLED EASILY . . .	6	133
CLAY,	LIGHT-COLORED, SOFT; DRILLED EASILY . . .	31	164
BASALT,	HARD, BROKEN; STRUCK WATER	26	190
BASALT,	REDDISH	10	200
BASALT,	RED, MODERATELY HARD	6	206
BASALT,	DARK-COLORED, VERY HARD	14	220
BASALT,	SOFT, AND LAYERS OF LIME-LIKE SUBSTANCE .	4	224
BASALT,	DARK-COLORED TO RED	11	235
BASALT,	RED, HARD	27	262
SANDSTONE,	BRICK-RED, DECOMPOSED, A FEW-INCHES THICK; UNDERLAIN BY CLAY, YELLOW, CONTAINING FINE SAND AND QUARTZ-LIKE CRYSTALS. . . .	9	271
CLAY,	BLUE; CAVED	9	280
CLAY,	YELLOW, STICKY	20	300
CLAY,	WHITE	84	384
CLAY AND	GRAVEL	16	400
CLAY,	BLUE	28	428
GRAVEL,	HARD, CEMENTED	57.5	485.5

10S 24E-10d1. W. W. AND W. T. NEWCOMB

DRILLER'S LOG OBTAINED FROM OWNER 1952.

MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
SOIL	11	11
BASALT, BLACK	24	35
BASALT, RED	20	55
BASALT, BLACK, BROKEN	25	80
CINDERS, RED AND BLACK	7	87
BASALT, BLACK, HARD	1	88

DRILLER REPORTED WATER WAS STRUCK AT 60 FEET AND ROSE TO 57 FEET BELOW LAND SURFACE.

10S 24E-12ab1. W. W. and W. T. Newcomb

Driller's log obtained from owner 1952.

Material	Thickness (feet)	Depth (feet)
Soil	8	8
Basalt	102	110

10S 25E-5dc1. W. W. and W. T. Newcomb

Log obtained from Western Drilling Co. 1952.

Material	Thickness (feet)	Depth (feet)
Sand	3	3
Basalt, red	3	6
Basalt, gray	10	16
Basalt, red	4	20
Basalt, brown	10	30
Basalt, red	20	50
Basalt, gray, hard	8	58
Basalt, red	8	66
Basalt, black	54	120
Basalt, red	10	130
Basalt, black	34	164

Driller reported water was struck at 120 feet and rose to 117 feet below land surface.

10S 25E-6cb1. W. W. and W. T. Newcomb

Driller's log obtained from owner 1952.

Material	Thickness (feet)	Depth (feet)
Soil	2.5	2.5
Basalt, gray and black, hard	27.5	30
Basalt, red, broken	20	50
Basalt, black and red	5	55
Basalt, red, broken	15	70
Basalt, black; struck water	25	95

10S 25E-6dd1 — Continued

Basalt, gray, hard	15	110
Cinders, red and black; struck more water	7	117
Cinders, red and black, coarse; most of cuttings not recovered	8	125

Driller reported water was struck at 85 feet and rose to 84.5 feet below land surface.

10S 25E-7aa1. W. W. and W. T. Newcomb

Log obtained from Western Drilling Co. 1952.

Material	Thickness (feet)	Depth (feet)
Soil	8	8
Basalt, gray	4	12
Basalt, brown, soft	3	15
Basalt, brown, hard	10	25
Basalt, red, soft to hard	21	46
Basalt, gray to black, hard	51	97
Basalt, red	5	102
Basalt, black, hard	28	130

Driller reported water was struck at 110 feet and rose to 105 feet below land surface.

10S 25E-16bb1. Gis Arson

Log obtained from driller, A. J. Schoonover, in 1952.

Material	Thickness (feet)	Depth (feet)
Soil	32	32
Basalt	168	200
Basalt; most of cuttings not recovered	5	205
Basalt	10	215
Clay, light-colored	10	225

10S 25E-17ca1. Thomas and Hefty

Log obtained from R. R. Commons Drilling Co. 1952.

Material	Thickness (feet)	Depth (feet)
Soil	29	29
Basalt, black	31	60
Basalt, gray, hard	10	70
Basalt, gray	30	100
Basalt, broken	2	102
Basalt, black	14	116
Basalt, broken; lost drilling water	4	120
Basalt, gray, hard	15	135
Basalt, brown, broken	5	140
Basalt, red, broken	20	160
Basalt, black, hard	13	173
Basalt, loose; struck water	2	175
Sand, light-gray	49	224
Clay, yellow	20	244
Clay, blue, sticky	26	270
Clay, gray, hard	12	282
Sand, gray, fine	11	293
Clay, gray	7	300
Sand, gray, fine	7	307
Clay, brown	29	336
Sandstone	14	350
Clay, dark-brown	3	353

Driller reported water was struck at 110 feet and rose to 105 feet below land surface. Sixteen-inch hole to 200 feet; 12-inch hole 200 to 353 feet; 16-inch casing from surface to depth of 29 feet.

10S 25E-29da1. William Anderson

Log obtained from Andy Peterson Oct. 23, 1948.

Material	Thickness (feet)	Depth (feet)
Soil	10	10
Basalt, solid	12	22
Basalt and cinders	13	35
Basalt, solid	5	40
Basalt, layered	9	49
Basalt, solid	2.5	51.5
Basalt, very porous [cinders ?]. Struck water	1.5	53

10S 25E-29DA1 -- CONTINUED

BASALT,	BLOCKY, AND OBSY	5	58
BASALT,	SOLID	6	64
BASALT,	LAYERED, AND RED CINDERS	11	75
BASALT,	SOLID	4	79
SAND,	WHITE, LOOSE	33	112

10S 25E-30DA1. WILLIAM ANDERSON

LOG OBTAINED FROM ANDY PETERSON OCT. 23, 1948.

MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
SOIL	19	19
SAND AND GRAVEL; STRUCK WATER	11	30
CLAY, SANDY	23	53
BASALT, SOLID	7	60
BASALT, BLOCKY, AND CINDERS	9	69
BASALT, SOLID	2	71
BASALT; SLOPING FISSURE. "RUNNING WATER" IN FISSURE	2	73
BASALT	7	80
BASALT, BLOCKY	29	109
CINDERS; STRUCK MORE WATER AT TOP OF CINDERS	11	120
CLAY AND CINDERS	7	127

10S 25E-30DD1. WILLIAM ANDERSON

LOG OBTAINED FROM ANDY PETERSON OCT. 23, 1948.

MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
SOIL	15	15
SAND AND GRAVEL WITH PEBBLES UP TO 1½-INCHES IN DIAMETER; STRUCK WATER	31	46
CLAY, SOFT, SANDY	9	55
CLAY, GRAVELLY	13	68
SHALE, CARBONACEOUS [?]	7	75

SIXTEEN-INCH PERFORATED CASING TO 48 FEET; 12-INCH PERFORATED CASING 48 TO 75 FEET.

11S 22E-3A81. R. O. Hatch

Log obtained from R. R. Commons Drilling Co. Dec. 12, 1951.

Material	Thickness (feet)	Depth (feet)
Soil	3	3
Hard pan	2	5
Clay, sandy	57	62
Basalt, light- to dark-gray, hard	33	95
Basalt, red, loose	5	100
Basalt, red and gray, hard	6	106
Basalt, blocky, loose	4	110
Basalt, dark-gray, loose	12	122
Basalt, red and gray	3	125
Basalt, gray	5	130
Basalt, gray and red	5	135
Basalt, dark-gray, broken	16	151
Basalt, reddish	14	165
Basalt, gray and red	7	172
Basalt, gray and red	14	186
Basalt, dark-gray, blocky, and cinders; caved	4	190
Basalt, dark-gray, broken	50	240
Basalt, gray, and mud	5	245
Clay, sandy	15	260
Gravel; struck some water	20	280
Gravel and some clay	15	295
Clay, sticky, and some gravel	35	330
Clay, sandy, greenish; caved	3	333
Clay and some gravel	17	350
Basalt cinders, black; most of cuttings not recovered	20	370
Basalt, gray, very hard	1.5	371.5

Sixteen-inch casing 0 to 64 feet; 14-inch casing 0 to 293 feet; 10-inch casing 0 to 351 feet.

11S 22E-13C1. J. H. and J. W. Bodily

Log from owner's memory, obtained Oct. 31, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	8	8
Gravel	11	19
Basalt	157	176

IIS 22E-13dc1. Leslie Bowcut

Log from owner's memory, obtained Oct. 29, 1952.

Material	Thickness (feet)	Depth (feet)
Soil, gravel, and sand	42	42
Basalt	126	168
Basalt and layers of clay	4	172

IIS 22E-15aa1. Charles Holm

Log from owner's memory, obtained Oct. 22, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	27	27
Basalt	141	168

IIS 22E-24dc1. C. L. Garner

Log obtained from driller, Andy Peterson, June 4, 1952.

Material	Thickness (feet)	Depth (feet)
Soil, sand, and gravel	68	68
Basalt, black and red	106	174
Sand and gravel	66	240
Basalt, black	160	400
Basalt, black, creviced, broken	40	440
Basalt, black	4	444

IIS 22E-27cc1. Baker and Hansen

Driller's log obtained from owner Aug. 16, 1951.

Material	Thickness (feet)	Depth (feet)
Soil, sand, and gravel	24	24
Basalt and unidentified material, black, gray, and brown, hard	61	85

Basalt, red and gray, firm	25	110
Basalt, gray, hard	10	120
Basalt, red, gray, and brown, firm	5	125
Basalt and sand, gray, hard	65	190
Gravel, coarse sand, and clay	50	240
Gravel and sand, gray, coarse	10	250
Gravel and some black basalt	8	258
Basalt, black and gray, firm	19	277
Gravel and sand	27	304
Basalt, red, soft	6	310
Basalt, red, blocky; some yellow clay	5	315
Basalt, red and gray, porous and soft	25	340
Basalt, reddish-brown	120	460
Basalt, gray, and some gravel	5	465
Basalt, gray	15	480
Basalt, dark-gray; cuttings fine	16	496
Basalt, brown; crevice at 196 feet, filled with brown clay	53	549
Basalt, dark-gray, porous; cuttings heavy	6	555
Clay, red	4	559
Basalt, dark-gray, moderately porous; cuttings heavy	6	565
Basalt, black, very porous, broken and some talc [clay?] in cracks	3	568
Basalt, brown, porous; cuttings heavy	21	589
Basalt, black, cinders, and some talc [clay?]	5	594
Basalt, black, very dense; cuttings fine	51	645
Basalt, light-gray; cuttings fine	35	680
Cinders and basalt, red, broken	9	689
Basalt, black, porous, broken; cuttings heavy and coarse; crevice at 702 feet	13	702
Basalt, red, very porous; cuttings heavy and coarse	5	707
Basalt, red, moderately porous; cuttings moderately coarse	12	719
Clay, brown	3	722
Gravel, moderately coarse, many fines	4	726
Gravel, very clean	17	743
Clay	4	747

11S 23E-18c1. Don Loveland

Log from owner's memory, obtained July 12, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	3	3
Soil and clay	7	10
Sand and gravel	4	14
Clay, gravel, and sand	51	65

Owner reported water was struck at 12 feet and rose to 8 feet below land surface.

11S 23E-3Ad1. Bert Wolfe and Son

Log obtained from owner's memory July 22, 1952.

Material	Thickness (feet)	Depth (feet)
Soil and clay	18	18
Gravel	6	24
Clay	14	38
Gravel	10	48
Sand	8	56
Gravel	12	68
Clay	12	80
Gravel	21	101
Basalt	at bottom	

Eighteen-inch casing to 101 feet; perforated 18 to 24 feet, 38 to 48 feet, 56 to 68 feet, and 80 to 101 feet.

11S 23E-3Ad2. Bert Wolfe and Son

Log from owner's memory, obtained July 22, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	8	8
Gravel	7	15
Clay	25	40
Gravel	10	50

IIS 23E-3Ad2 -- Continued

Clay	18	68
Gravel, coarse	22	90
Basalt	50	140
Sand and gravel	30	170
Clay	30	200
Basalt	80	280
Gravel and sand	20	300
Clay, blue	105	405
Sand	5	410

IIS 23E-21d01. Richard Rombach

Log from owner's memory, obtained Oct. 29, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	8	8
Gravel, pea-size	10	18
Soil	32	50
Clay	5	55
Sand	25	80
Gravel	20	100
Basalt	100	200
Gravel	40	240
Basalt	73	313

Six-inch casing 0 to 100 feet; 4-inch casing 0 to 270 feet.

IIS 23E-28d01. Richard Guzman

Log obtained from J. Emmett Smith, Inc. Nov. 9, 1951.

Material	Thickness (feet)	Depth (feet)
Clay and gravel	78	78
Basalt, pink	30	108
Basalt, gray	15	123
Basalt, pink, blocky	2	125
Basalt, gray; crevice at 132 feet	23	148
Basalt, red	10	158
Basalt, pinkish-gray; struck small volume of water at 175 feet	29	187

IIS 23E-28dbl — Continued

Clay and gravel, red	18	205
Clay and gravel	51	256
Clay, white	11	267
Basalt, gray	26	293
Cinders, sand, and blocky basalt	10	303
Basalt, hard	17	320
Basalt, porous	15	335
Basalt, hard	3	338
Cinders	8	346
Basalt, hard	3	349
Basalt, moderately hard	16	365
Basalt, broken	1	366
Basalt, hard	24	390
Basalt, porous	10	400
Basalt, moderately hard	25	425
Basalt, porous	15	440
Basalt, hard	5	445
Basalt, blocky	15	460
Basalt, blocky and some cinders	5	465
Basalt, hard	15	480
Basalt, moderately porous	8	488

IIS 23E-29bc1. Hal Matthews

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	1	1
Hardpan	2	3
Gravel, cobble-size	40	43
Clay and gravel	22	65
Gravel	15	80
Basalt, black	5	85
Basalt, red	3	88
Basalt, red and black; caved	82	170
Clay, sandy, red	7	177
Basalt cinders, red; caved	38	215
Cinders and blocky basalt; caved	67	282
Basalt, chocolate-brown; struck small volume of water	6	288
Basalt, chocolate-brown, soft and hard layers, broken; struck more water at 296 feet	40	328
Cinders, red and black; probably struck more water	7	335

Basalt,	gray and black, firm, and some talc [clay?]; some cuttings not recovered from 382 to 385 feet	53	388
Basalt,	red and some cinders; probably struck more water	9	397
Basalt,	black, firm	11	408
Basalt,	dark-gray, firm	11	419
Basalt,	dark-gray and pink; cuttings coarse; some cuttings not recovered	6	425
Basalt,	dark-gray and black, firm	22	447
Cinders,	red; struck more water	3	450

Driller reported water was struck at 288 feet and rose to 282 feet below land surface. Sixteen-inch hole; 14-inch casing to 80 feet below land surface.

11S 23E-32ab1. Roland Smith

Log obtained from R. R. Commons Drilling Co. June 7, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	5	5
Gravel and sand	65	70
Clay, yellow	9	79
Basalt, gray	30	109
Basalt, slightly red; cuttings coarse	5	114
Basalt, gray	15	129
Basalt, red; caved	16	145
Basalt, gray, broken	20	165
Gravel and clay	15	180
Sand and gravel	32	212
Basalt, gray	13	225
Basalt, gray, broken	35	260
Basalt, red, loose	10	270
Basalt, gray, hard, broken	32	302
Basalt, red; struck water	17	319
Basalt, gray, hard, crevived	21	340
Basalt, red, loose; struck more water	4	344
Basalt, gray, hard	23	367
Basalt, black, blocky; most of cuttings not recovered; struck more water	8	375
Basalt, gray, blocky	25	400
Basalt, black, blocky; struck more water	23	423

11S 23E-32A81 — Continued

Clay	9	432
Basalt, black and red, blocky	113	545

Driller reported water was struck at 295 feet and rose to 290 feet below land surface. Twenty-inch hole to 212 feet; 10-inch hole from 212 to 545 feet; 16-inch casing from 0 to 212 feet.

11S 23E-33B1. Victor Smith

Log obtained from Boley and Osborne Drilling Co. June 5, 1952.

Material	Thickness (feet)	Depth (feet)
Soil and hardpan	3	3
Gravel and clay, brown, in 4 to 10-foot beds . .	81	84
Basalt, gray, broken	6	90
Basalt, brown, porous, broken; three crevices about 6-inches deep	38	128
Basalt, gray, very hard; cuttings fine	21	149
Basalt, red; cuttings fine	7	156
Clay, sandy, red	2	158
Gravel, coarse, clean	5	163
Gravel, fine, and clay, red, sandy, in 2- to 4-foot beds	36	199
Clay, gray	35	234
Basalt, dark-gray; cuttings fine	21	255
Cinders, loose; caved	2	257
Basalt, brown, porous; cuttings coarse	22	279
Basalt, brown, porous; and small quantity of talc [clay?]; cuttings fine	81	360
Basalt, red, porous, and small amount of talc [clay?] in crevices; cuttings coarse .	20	380
Basalt, brown, porous; cuttings coarse	20	400
Basalt, dark-gray, porous; cuttings heavy, clean	12	412
Basalt, gray; cuttings coarse	10	422
Basalt, gray, very hard; cuttings fine	22	444
Basalt, brown, porous; cuttings heavy, clean .	3	447
Gravel and clay	4	451
Gravel, coarse, and clean	12	463

Driller reported water was struck at 305 feet and rose to 288 feet below land surface; 22-inch casing 0 to 90 feet; 16-inch casing from 90 to 240 feet.

11S 23E-33cc1. Victor Smith

Log obtained from R. R. Commons Drilling Co. December 1951.

Material	Thickness (feet)	Depth (feet)
Soil	4	4
Gravel and clay	22	26
Gravel	6	32
Gravel and clay	30	62
Basalt, dark-gray	15	77
Basalt, red	8	85
Basalt, gray	22	107
Basalt, red	18	125
Basalt, gray	8	133
Basalt, red; struck water at 134 feet	5	138
Clay, red, and gravel	30	168
Clay, yellow, and some gravel	16	184
Basalt, black, blocky	11	195
Basalt, gray, hard	3	198
Basalt, gray, blocky	8	206
Basalt and cinders, black, and mud, brown	30	236
Basalt, gray, hard	14	250
Basalt, brown, blocky	5	255
Basalt, red	16	271
Basalt, gray	56	327
Basalt, red	19	346
Basalt, dark-gray	36	382
Clay, sandy and some gravel	6	388
Basalt, black, and some gravel	27	415
Clay, sand, and boulders	13	428
Basalt, dark-gray	31	459
Gravel	3	462

11S 24E-4ad1. Ethel Gummerson

Log from owner's memory, obtained June 28, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	14	14
Basalt	73	87
Gravel	8	95
Clay	5	100

11S 24E-7c01. Burley Irrigation District

Log obtained from Burley Irrigation District July 7, 1952.

Material	Thickness (feet)	Depth (feet)
Gravel	16	16
Clay, yellow	4	20
Clay, blue	10	30
Gravel, cemented	20	50
Clay, yellow	5	55

11S 24E-17d01. Victor Smith

Log from owner's memory, obtained July 8, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	3	3
Clay	47	50
Sand	6	56
Clay	82	138
Basalt	40	178
Clay, clinkery, buff to brick-red	40	218
Sandstone, hard	10	228

Six-inch casing 0 to 138 feet; 4-inch casing 138 to 228 feet, perforated from 218 to 228 feet.

11S 24E-21b01. Frank H. Weeks

Log obtained from A. J. Schoonover June 21, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	1.5	1.5
Soil, gray, hard, containing basalt blocks	18.5	20
Soil, brown	50	70
Gravel, dirty	5	75

11S 24E-21b01 — Continued

Soil [silt?], brown	25	100
Gravel, dirty	5	105
Soil [silt?] sandy, brown	20	125
Clay, brown	13	138
Basalt, broken	5	143
Soil [silt?] gray, and some gravel	17	160
Sand, brown, compact, and layers of broken rock	85	245
Soil [silt?], sandy, light-brown, with hard layers; struck water at 250 feet (cased out)	25	270
Soil [silt?] sandy, compact	20	290
Soil [silt] sandy, compact, containing basalt, blocks	10	300
"Hardpan" and basalt. Drilled slowly; hard to drive casing through	20	320
Gravel; caved; struck more water (cased out)	20	340
Clay, sandy, brown, containing basalt blocks	30	370
Basalt, black, porous, broken; struck more water	20	390
Basalt, black, solid	3	393

12S 22E-5bc1. C. R. Campbell

Log obtained from C. R. Campbell June 13, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	26	26
Basalt, in alternating red and black layers	334	360
Basalt and talc [clay?]; struck water	90	450

12S 22E-32cb1. Willard Cranney

Log obtained from The Tower Drilling Co. Feb. 15, 1950.

Material	Thickness (feet)	Depth (feet)
Soil	11	11
Gravel and sand	15	26
Clay	4	30
Clay and some gravel	5	35
Gravel	7	42

12S 22E-32cb1 -- CONTINUED

GRAVEL AND CLAY	3	48
GRAVEL	2	47
SAND AND GRAVEL	3	50
CLAY AND GRAVEL	6	56
SAND AND GRAVEL	17	73
CLAY, SAND, AND GRAVEL	12	85
CLAY	9	94
SAND AND GRAVEL	4	98
CLAY	12	110
CLAY, SAND, AND GRAVEL	44	154
SAND AND GRAVEL	5	159
SAND, CLAY, AND GRAVEL	10	169
CLAY AND GRAVEL	10	179
CLAY	15	194
GRAVEL	4	198
CLAY	20	218
CLAY, TAN	16	234
CLAY AND GRAVEL, GRAY	4	238
BASALT, BLUISH-GRAY TO BLACK	41	279
SAND AND GRAVEL	3	282
CLAY AND GRAVEL, BROWN	4	286
CLAY, BROWN	7	293
CLAY AND GRAVEL, BROWN	7	300
GRAVEL AND BOULDERS	3	303
CLAY AND SAND, LIGHT-BROWN	6	309
SAND, GRAVEL, AND BOULDERS	8	317
SAND AND GRAVEL	7	324
BASALT [?], BLUISH-GRAY	1	325
SAND AND GRAVEL	4	329
BASALT [?], BLUISH-GRAY	17	346
SAND AND GRAVEL	1	347
BASALT [?], GRAY	8	355
BASALT [?], BLUE	2	357
BASALT [?], GRAY	2	359
BASALT [?], BLUISH-GRAY	3	362
CLAY, GRAY	9	371
LATITE [?], BROWNISH-GRAY, POROUS	14	385
OBSIDIAN [?], BLACK; DRILLED EASILY	27	412
LATITE, RED	10	422
CLAY, BROWN	2	424
LATITE, RED	3	427
"RHYOLITE" [LATITE ?], REDDISH-BROWN	3	430
"RHYOLITE" [LATITE ?], RED, HARD	66	496
"RHYOLITE" [LATITE ?] AND OBSIDIAN	10	506
"RHYOLITE" [LATITE ?], RED	4	510
LATITE, RED	33	543
LATITE, CLAY, AND SAND, RED	2	545

Latite, red	12	557
Latite and clay, red	3	560
Latite, red	30	590
Latite, brown and red	8	598
Obsidian, black	8	606
Latite, brown	4	610
Clay, brick-red	8	618
Latite, brownish-red	5	623
Latite, red, and black obsidian	6	629
Latite, red	18	647
Latite, bluish-red	5	652
Latite, red; depth to water 281 feet	12	664
Latite, red, solid; depth to water 274 feet	37	701
Latite, red	39	740
Obsidian, black, very hard	2	742
Clay, sandy, brownish-gray	6	748
Obsidian and clay, black	28	776
Clay, gray	11	787
Quicksand, gray	2	789
Sand, gravelly, red and white, wheat-size	14	803
Clay, sandy, gray	6	809
Obsidian, black, solid	79	888
Boulders and clay, sandy, light-gray	9	897
"Rhyolite" [latite ?], blue, white, and gray	12	909
"Rhyolite" [latite ?], gray, solid	19	928
"Rhyolite" [latite ?], brownish-gray, hard; cuttings not recovered from 936 to 946 feet and from 970 to 978 feet below land surface	102	1,030

Twelve-inch casing from 0 to 239 feet; 10-inch casing from 357 to 522 feet below land surface.

12S 23E-30dc1. Albert Anderson

Log obtained from The Tower Drilling Co. June 9, 1952.

Material	Thickness (feet)	Depth (feet)
Clay and small gravel, tan; some sand from 34 to 38 feet; caved	47	47
Clay and gravel	39	86
Clay, tan, and some gravel	29	105
Clay and gravel	8	113
Gravel, packed, and some clay; caved	3	116

Gravel and clay	8	184
Clay	12	136
Clay and some sand	40	176
Clay and some sand, tan	9	185
Basalt, black	26	211
Clay, red, and some gravel	5	216
Cinders, red; struck water	1	217
Cinders, red, and some clay	4	221
Clay, red, and some intermixed small gravel	4	225
Clay and gravel, tan; struck more water from 230 to 234 feet	10	236
Clay and walnut-size gravel, tan; caved	2	237
Clay, tan, and some sand	10	247
Clay, sandy, brown	6	253
Gravel, pea- to marble-size, and clay; struck more water	4	257
Clay, sticky	15	272
Gravel, wheat- to walnut-size, and clay	3	275
Clay, brown, sticky	1	276
Clay, sandy, brown, and some gravel	14	290
Basalt, black, firm, broken	20	310
Basalt, black, caved	5	315
Basalt, black, firm	4	319
Clay, brown, sticky, and gravelly sand, wheat size	32	351
Clay and marble-size gravel	2	353
Clay, sticky	7	360
Clay, sticky, and marble- to walnut-size	10	370
Clay, brown, sticky	4	374
Gravel and clay, brown and yellow, sticky	29	403
Gravel and clay	22	425
Clay and some gravel	11	436
Gravel and some clay	2	438
Clay, sticky, and some "talc" [clay ?]	3	441
"Talc" [clay ?], greenish-yellow, and red sandy clay; caved	15	456
Gravel, packed; struck water	2	458
Clay and boulders	9	467
Gravel, packed	13	480
Gravel and clay, sticky	11	491
Obsidian, black	8	499
Obsidian, black, and some "talc" [clay ?]	1	500
Obsidian, black	5	505
"Rhyolite" [latite ?], broken. At 505 feet depth to water dropped from 206 to 389 feet	17	522
"Rhyolite" [latite ?], red, firm	14	536
"Rhyolite" [latite ?], red; caved	44	580
"Rhyolite" [latite ?], red	20	600

"Rhyolite" [Latite ?], firm; caved	15	615
"Rhyolite" [Latite ?], red and brown, and some "talc" [clay ?]	15	630
"Rhyolite" [Latite ?], red and brown	45	675
"Rhyolite" [Latite ?], red	5	680
Obsidian, dark-gray, hard	10	690
Obsidian and latite, dark-colored and pink	13	703
Latite and clay, dark-red, and some gravel	37	740
"Rhyolite" [Latite ?], red; broken from 745 to 755 feet	20	760
"Rhyolite" [Latite ?], red; cuttings settled to bottom of hole	35	795
"Rhyolite" [Latite ?], red	35	830
"Rhyolite" [Latite ?], brown	16	846
"Rhyolite" [Latite ?], red, broken; caved. Lost most of cuttings	9	855
"Rhyolite" [Latite ?], red, firm	3	858
"Rhyolite" [Latite ?], red	22	880
"Rhyolite" [Latite ?], red, firm	5	885
"Rhyolite" [Latite ?], firm. Depth to water dropped 20 feet	40	925
"Rhyolite" [Latite ?], red	13	938

Fourteen-inch casing from 0 to 138 feet; 12-inch casing from 0 to 291 feet; 10-inch casing from 302 to 502 feet.

12S 23E-30dc2. Anderson Bros.

Log obtained from Middleston and Havnes Aug. 9, 1951.

Material	Thickness (feet)	Depth (feet)
Soil	6	6
Gravel, pea-size	16	22
Gravel, egg-size	48	70
Clay, sandy, and some gravel	7	77
Gravel and some clay	5	82
Clay, sandy	23	105
Gravel, and some clay	17	122
Clay, sandy, and some gravel	70	192
Basalt, black and gray, hard	23	215
Basalt and cinders, red; struck water	7	222

Gravel,	walnut-size	13	238
Clay,	sandy	5	240

Six-inch casing to 192 feet; 41 feet of perforations.

13S 22E-3dc1. W. B. Whiteley

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material		Thickness (feet)	Depth (feet)
Soil		5	5
Gravel		35	40
Gravel and brown clay		150	190
Clay,	red, gravel, coarse, and sand, fine	68	258
Basalt,	red, black, and gray	51	309
Clay,	red, sticky, and fine to coarse gravel	31	340
Clay,	yellow, sticky, sand, and fine gravel	13	353
Basalt,	black	18	371
Gravel,	clay, and basalt, black	5	376
Gravel,	fine	11	387
Clay and	fine gravel	5	392
Clay,	fine gravel, and some sand	8	400
Clay,	sandy, yellow	10	410
Clay,	yellow, sand, and gravel	10	420
Clay,	yellow, gravel, and white sand	5	425
Clay,	yellow, and fine to coarse gravel	35	460
Sand,	gray and black	15	475
Basalt [?],	black and red, and some sticky sediment	71	546
Cuttings not recovered; water level dropped	5 feet	1	547
Sand,	red; struck more water	3	550
Basalt [?]	red and black	5	555

Driller reported water was struck at 160 feet and rose to 145 feet below land surface.

13S 22E-7AA1. ALBERT ANDERSON AND SON

Log obtained from The Tower Drilling Co. Feb. 15, 1950.

Material	Thickness (feet)	Depth (feet)
Soil, gray	2	2
Gravel and sand	18	20
Clay, sand, and gravel	5	25
Gravel	5	30
Sand and gravel	18	48
Gravel, pea-size	15	63
Gravel and sand	5	68
Sand and gravel, pea-size	14	82
Sand and gravel	8	90
Gravel, coarse	9	99
Sand, fine	4	103
Gravel, coarse, walnut-size	3	106
Gravel, very coarse	9	115
Gravel, coarse	7	122
Gravel, with boulders up to 6 inches in diameter	3	125
Clay	2	127
Clay and gravel	7	134
Gravel, pea- to walnut-size	4	138
Clay and gravel	2	140
Gravel, with some large boulders	2	142
Gravel and some fine sand	1	143
Gravel, pea-size, loose; rose 14 feet in casing) Gravel and clay	6	149
Gravel and fine sand	4	153
Gravel, with pebbles 1 to 2 inches in diameter; also sand, and yellow clay	9	162
Sand, fine; some boulder gravel, and clay	13	175
Clay, tan	4	179
Sand, very fine	8	187
Clay, tan	13	200
Sand, fine	6	206
Clay, tan	2	208
Clay	14	222
Sand and some pea-size gravel	1	223
Boulder gravel	3	226
Gravel, coarse; struck large volume of water	4	230
Sand and gravel, with some boulders	3	233
Gravel, pea-size to boulder	2	235
Sand and gravel, pea-size; some boulders and clay	2	237
Sand, fine	8	245
Gravel and tan clay	2	247
Sand and tan clay	11	258
Gravel, wheat-size, with some boulders	2	260
Clay, gravel, and sand	3.5	263.5

13S 22E-8aA1. Woodhouse Bros.

Log obtained from The Tower Drilling Co. July 1949.

Soil	5	5
Gravel, gray; caved	7	12
Boulders and gray clay; struck small amount of water	63	75
Sand, fine; caved; struck more water	6	81
Boulders and clay	14	95
Sand and gravel; struck more water	2	97
Sand	3	100
Boulders, hard	1	101
Sand, gravel, and clay; struck small amount of water at 115 feet	18	119
Sand and gravel; struck more water at 143 feet	27	146
Sand, fine to coarse	5	151
Sand and gravel; struck more water	8	159
Clay	2	161
Clay, tan	10	171
Sand and gravel; struck small amount of water	7	178
Clay, tan	7	185
Sand	12	197
Clay, tan	3	200
Sand, tan	10	210
Gravel	23	233
Sand and gravel; struck more water from 254 to 270 feet	50	283
Sand, gravel, and clay	14	297
Sand and gravel	13	310
Sand	5	315
Clay, yellow	5	320
Clay, light-gray, very sticky	15	335
Sand, gray, fine	7	342
Sand, fine	6	348
Sand, fine; like quicksand	7	355
Sand, fine	3	358
Clay, yellow, and fine, yellow sand. About one-third fine sand	8	366
Clay and some sand, yellow	116	482
Sand, light-colored	5	487
Sand, light-colored, fine	5	492
Clay, yellow	34	526
Not recorded	11	537
Clay, in yellow, brown and black layers	6	543
Obsidian, dark-gray, hard	14	557
Latite, reddish-brown	3	560
Latite, red	5	565
Latite	5	570

LATITE, RED	22	592
LATITE, GRAY	24	616
LATITE, RED TO BROWN	44	660
LATITE, GRAY, BROWN, AND RED	25	685
LATITE, CINDERS [?], AND SOME SAND; CREVICE FROM 693 TO 700 FEET	24	709
LATITE, RED, BROKEN, AND CLAY	10	719
CLAY, BROWN, AND SOME SAND	4	723
LATITE, BROWN, AND SOME CLAY	4	727
LATITE, BROWN	7	734
CLAY, REDDISH	5	739
LATITE, BROWN; CREVICE AT 752 FEET	31	770
OBSIDIAN, BLACK	8	778
LATITE, BROWN AND RED	50	828

EIGHTEEN-INCH CASING FROM 0 TO 21 FEET; 12-INCH CASING FROM 0 TO 348 FEET; 10-INCH CASING FROM 0 TO 560 FEET; 8-INCH HOLE FROM 565 TO 828 FEET; PERFORATIONS OPPOSITE NINE-WATER BEARING LAYERS.

13S 22E-9AS1. FRED BEDKE

DRILLER'S LOG OBTAINED FROM OWNER MAY 15, 1952.

MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
SOIL	4	4
GRAVEL	16	20
CLAY AND SOME GRAVEL; STRUCK WATER AT 100 FEET	80	100
CLAY, FINE GRAVEL, AND SOME SAND	55	155
CLAY, SAND, AND COARSE GRAVEL	10	165
CLAY AND FINE GRAVEL	15	170
CLAY AND COARSE GRAVEL	15	185
CLAY, SAND, AND SOME GRAVEL	5	190
CLAY, SAND, AND COARSE GRAVEL	25	215
CLAY AND SAND	6	221
GRAVEL, MEDIUM TO COARSE, AND SOME SAND AND CLAY	9	230
GRAVEL, VERY COARSE, AND SOME SAND	5	235
SAND AND GRAVEL, FINE TO MEDIUM	40	275
CLAY, SAND, AND GRAVEL	52	327

FOURTEEN-INCH CASING FROM 0 TO 327 FEET. PERFORATED AT SEVEN LEVELS WITH MILLS PERFORATOR. EIGHT PERFORATIONS PER FOOT, THREE FEET LONG.

13S 22E-9cb1. W. B. WHITELEY

Log obtained from The Tower Drilling Co. June 9, 1952.

Material	Thickness (feet)	Depth (feet)
Not recorded	67	67
Mud; caved	8	75
Clay, coarse gravel, and some sand; struck water 81 to 82 feet	8	83
Clay and fine gravel	8	91
Gravel, coarse, and some clay	6	97
Gravel, coarse sand, and clay	4	101
Gravel and sand, coarse, clean; struck more water	30	131
Gravel, coarse, and some clay	13	144
Clay, gravel, and fine sand	10	154
Gravel and coarse sand	12	166
Gravel, coarse, and some clay; struck more water	8	174
Clay and coarse gravel	17	191
Gravel, coarse	2	193
Clay and coarse gravel	14	207
Gravel and sand; struck more water	7	214
Gravel and clay	2	216
Gravel, coarse, and some clay	11	227
Gravel; struck more water	2	229
Gravel, coarse, and some clay	6	235
Clay	25	260
Quicksand; about 6-inches of fine gravel above and some clay for ten feet	23	283
Clay	10	293
Gravel, coarse, and some clay and fine sand	18	311
Gravel, clay, and some sand; includes a 3-inch layer of brown volcanic rock	4	315
Gravel, coarse; hard to drill; struck more water	6	321
Gravel, clay, and red "rhyolite" [latite ?] boulders	7	328
"Rhyolite", [latite ?] boulders, red, and gravel; struck more water	5	333
Gravel and clay; a few "rhyolite" [latite ?] boulders, very hard	7	340
Clay, coarse gravel and some "rhyolite" [latite ?], hard	1	341
Clay and some gravel	3	344
Gravel, coarse, and clay; struck more water	8	352
Gravel, coarse; water level rose 10 feet	3	355
Gravel, clay, and some "rhyolite" [latite ?] boulders	5	360
Clay and gravel	7	367

Sixteen-inch casing from 0 to 229 feet; 12-inch casing from 223 to 367 feet.

12S 22E-9dd1. Jesse Beeke

Log obtained from Hiddleston and Haynes Drilling Co. Aug. 9, 1951.

Material	Thickness (feet)	Depth (feet)
Soil	2	2
Gravel, coarse, with boulders	93	95
Gravel, fine	10	105
Gravel, coarse	62	167
Clay, sand, and coarse gravel	8	175
Clay, sand, and some fine gravel	50	225
Clay, sand, and coarse gravel	23	248
Gravel, coarse	27	275
Gravel, coarse, and some thin clay layers	85	360

Fourteen-inch casing from 0 to 250 feet; ⅜-inch perforations from 92 to 165 feet; 12-inch casing from 240 to 360 feet; 3/8-inch perforations in 12-inch casing.

13S 22E-15cb1. Nelson and True, Inc.

Log obtained from Savage and Denton Drilling Co. June 4, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	3	3
Gravel with large cobbles	17	20
Clay, sand, and fine gravel	35	55
Gravel, sandy, coarse, brown and white	10	65
Cobbles, large, and some sand	45	110
Clay, fine gravel and sand	10	120
Gravel, coarse, clay, and some sand	10	130
Gravel, fine to coarse, clay, and sand	25	155
Clay, brown, sand, and some gravel	70	225
Gravel, fine, sand, and some clay	11	236
Cobbles, large, gravel, and packed sand	2	238
Gravel, coarse, and sand	14	252
Gravel and sand, cemented	11	263
Clay, brown, gravel, and some sand	27	290
Gravel, coarse	2	292
Gravel, fine to coarse, and sand	27	319

13S 22E-16cc1. Savage and Denton

Log obtained from Savage and Denton Drilling Co. June 20, 1952.

Material	Thickness (feet)	Depth (feet)
Soil and clay	8	8
Clay and gravel	12	20
Gravel, fine, cemented	75	95
Cobbles, sand, and clay	17	112
Clay and sand	6	118
Gravel, pea-size, and sand	22	140
Cobbles, gravel, sand, and clay; caved	23	163
Clay, yellow, and sand	10	173
Gravel, sand, and clay	42	215
Cobbles, gravel, and sand	35	250
Gravel, cemented	55	305

13S 22E-16dc1. Nelson and True, Inc.

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	6	6
Cobbles, gravel, and clay	39	45
Gravel, coarse, and some clay; struck water at 50 feet	140	185
Clay and some gravel and sand	33	218
Gravel, coarse, and cobbles; struck more water	19	237
Boulders and clay, sticky; caved	10	247
Boulders and clay	6	253
Gravel, firm; struck more water	7	260
Sand and some clay	13	273
Gravel and clay; struck more water	22	295
Gravel, firm, and some clay; struck more water	53	348

Eighteen-inch casing 0 to 263 feet; 14-inch casing from 248 to 348 feet. Casing perforated from 0 to 348 feet.

13S 22E-16dd2. Nelson and True, Inc.

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Not recorded	122	122
Gravel and clay	13	135
Clay, sandy	30	165
Clay, yellow, sticky	40	205
Gravel and some clay	112	317

Sixteen-inch casing from 0 to 178 feet; 12-inch factory-perforated casing from 168 to 314 feet.

13S 22E-16dd1. Nelson and True, Inc.

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	7	7
Sand and gravel	125	132
Clay, red, sand, and gravel	28	160
Clay, red, sticky, sand, and gravel	15	175
Sand, gray, red, and brown	5	180
Sand, gravel, and red clay	5	185
Clay, red, and black and brown sand	91	276

Twelve-inch perforated casing from 0 to 215 feet; 10-inch perforated casing from 203 to 276 feet.

13S 22E-16dd2. Nelson and True, Inc.

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Mud, gravel, and boulders	75	75
Clay yellow, and some gravel	15	90
Gravel, sand, and yellow clay	50	140
Sand, gravel, and yellow clay; probably struck water	10	150
Clay, yellow	5	155

13S 22E-16ddd2 — Continued

Clay,	yellow, and gravel	10	168
Gravel,	coarse	8	173
Clay,	yellow	21	194
Clay,	yellow and some gravel	3	197
Clay,	yellow	6	203
Gravel		2	205
Clay,	yellow	14	219
Gravel,	fine	3	222
Clay,	yellow	8	230
Gravel,	several colors, mixed; probably struck more water	5	235
Clay,	yellow	15	250
Gravel		15	265
Volcanic	rock, black	5	270

Eight-inch perforated casing from 0 to 83 feet. Driller reported water was struck at 72 feet and rose to 46 feet below land surface.

13S 22E-20cc1. Orville Adams

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	3	3
Gravel and brown clay	77	80
Quicksand	5	85
Gravel and loose sand	25	110
Gravel, sand, and red clay	35	145
Sand, gravel, and some clay, packed	115	260

Twelve-inch perforated casing from 0 to 203 feet; 10-inch perforated casing from 191 to 260 feet. Driller reported water was struck at 73 feet and rose to 57 feet below land surface.

13S 22E-20cc1. J. T. Robinson

Log obtained from Middleston and Haynes Drilling Co. Aug. 9, 1951.

Material	Thickness (feet)	Depth (feet)
Soil	3	3
Gravel	112	115
Clay, sandy	15	130
Gravel and clay	131	261
Clay	2	263

Twelve-inch casing 0 to 263 feet. Eleven-sixteenths-inch perforations from 60 to 100 feet; five-sixteenths-inch perforations from 104 to 258 feet.

13S 22E-29cc2. Eugene Emery

Log obtained from The Tower Drilling Co. June 9, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	8	8
Clay and gravel	14	22
Gravel and sand; caved	9	31
Gravel, brown, and brown clay	29	60
Gravel, sand and clay	9	69
Gravel and clay	7	76
Clay and coarse gravel; struck small amount of water at 80 feet	9	85
Gravel, fine, and clay	2	87
Gravel and coarse sand, loose	3	90
Clay and gravel	3	93
Gravel; struck more water	2	95
Clay and gravel, tan; drilled easily	35	130
Gravel and sand; struck more water	10	140
Clay, sand, and gravel	4	144
Gravel, sand, and boulders; struck more water	5	149
Gravel and sand, tan	11	160
Clay, sand, and fine gravel	12	172
Clay and gravel, tan	10	182
Gravel and clay, in alternating layers	8	190
Gravel, coarse	3	193
Gravel, tan	3	196
Gravel, fine, and some clay	11	207
Gravel and sand	2	209
Clay, tan	4	213

Sand, clay, and coarse gravel	4	217
Sand and gravel, brown; struck more water	3	220
Gravel and clay	10	230
Gravel, clay, yellow, and "talc" [clay ?]	5	235
Gravel and clay, brown	1	236
Clay and gravel	4	240
Gravel, coarse	5	245
Clay, tan	12	257
Clay and coarse gravel; struck more water	5	262
Clay, brown	6	268
Gravel, coarse, and some clay	5	273
Clay and sand, brown	8	281
Clay, hard, and coarse gravel	5	286
Gravel, coarse, and clay	4	290
Clay, hard, and fine gravel	5	295
Clay, hard, and gravel	12	307

Twelve-inch perforated casing from 0 to 194 feet.

13S 22E-31dc1. W. S. Whiteley

Log obtained from The Tower Drilling Co. June 9, 1952.

Material	Thickness (feet)	Depth (feet)
Not recorded	300	300
Gravel, boulders, and tan clay	13	313
Clay, gray	7	320
Clay, tan, sticky	9	329
Clay, gray, and fine, black sand	13	342
Clay, and fine sand, gray	4	346
Obsidian, black, solid; cuttings coarse	23	369
Latite, reddish-brown	5	374
Latite, brown, broken from 374 to 390 feet and from 404 to 406 feet below land surface	36	410
Latite, gray, with red layers, broken	6	416
Latite, reddish-gray, broken	3	419
Latite, reddish-brown, broken	2	421
Latite, brown to brownish-gray	12	433
Latite, reddish-gray, broken; caved	17	450
Obsidian, black, and clay	5	455
Latite, red; caved	6	461
Latite, bluish-gray, and some clay	5	466
Latite, gray, broken, and some clay; caved	4	470
Latite, tan, broken, and tan clay	2	472
Obsidian, gray, hard, and clay	21	493

A	"RHYOLITE" [?], GRAY, BROKEN, AND CLAY; CAVED	10	863
	"RHYOLITE", GRAY, SOLID	6	509
	"RHYOLITE", GRAY, BROKEN	3	512
	CLAY, TAN	4	516
	"RHYOLITE", GRAY, AND CLAY	9	525
	"RHYOLITE", GRAYISH-TAN, SOLID AND CLAY	11	536
	"RHYOLITE" AND CLAY, GRAY AND BROWN	3	539
	"RHYOLITE", GRAY, HARD; CAVED	9	548
	"RHYOLITE", GRAY, SOLID, AND CLAY	19	567
	"RHYOLITE", GRAY, HARD	2	569
	"RHYOLITE", HARD, SOLID	16	585
	"RHYOLITE", LIGHT-GRAY, POROUS	8	593
	"RHYOLITE", GRAY, HARD; CAVED	2	595
	"RHYOLITE", SOLID, AND SOME CLAY	20	615
	"RHYOLITE" AND CLAY, GRAY; CAVED	22	637
	"RHYOLITE" AND CLAY, LIGHT-BUFF	3	640
	"RHYOLITE", DARK-GRAY, HARD; CAVED	10	650
	"RHYOLITE", GRAY, VERY HARD	12	662
	"RHYOLITE", GRAY, HARD; CAVED	9	671
B	LIMESTONE, BLACK, HARD	6	677
	LIMESTONE, BLACK, BROKEN; CAVED	7	684
	LIMESTONE, GRAY, BROKEN	8	692
	LIMESTONE, GRAY, SOLID	3	695
	LIMESTONE, BLACK, BROKEN	3	698
	LIMESTONE, BLACK, HARD	22	720
	"RHYOLITE", GRAY, BROKEN	11	731
	RHYOLITE, GRAY, SOLID	20	751
	LATITE, REDDISH-BROWN, SOLID	10	761
	LATITE, GRAY AND RED, HARD	6	767
	CLAY, GRAY, STICKY	3	770
	CLAY, BLUE, STICKY	9	779
	LATITE, BROWNISH-RED, SOLID	2	781
	CLAY, BLUE, STICKY	17	798
	CLAY, BROWN, STICKY	4	802
	LATITE, BROWN AND GRAY, SOLID	11	813
	GRAVEL, RED; CAVED	4	817
	LATITE, RED, SOLID	19	836
	LATITE, RED, SOLID; CAVED	21	857
	LATITE, RED, SOLID	4	863
	"RHYOLITE", GRAY, BROKEN	2	865
	CLAY, BROWN	1	866
	LATITE, RED, BROKEN	3	869
	LATITE, RED, SOLID	3	872
	"RHYOLITE", GRAY, SOLID	9	881
	LATITE, AND CLAY, RED AND BROWN, BROKEN	9	890
	CLAY, BLUE	2	892
	"RHYOLITE", DARK-BLUE, HARD	6	898
	"RHYOLITE", GRAY, HARD, SOLID	19	917

"RHYOLITE", BLUE, HARD	9	926
"RHYOLITE", GRAY, BROKEN	2	928
"RHYOLITE", GRAY, SOLID	18	946
LATITE, RED	6	952
"RHYOLITE", GRAY, HARD, SOLID	8	960
LATITE, RED, HARD	6	966
LATITE, BROWN, VERY HARD	5	971
"RHYOLITE", BROWN, SOLID, VERY HARD	8	979
"RHYOLITE", RED	1	980
c QUICKSAND, DARK-COLORED	20	1,000
CLAY, BLUE, STICKY	26	1,026
SAND, LIGHT-COLORED, VERY FINE, AND LIGHT-COLORED, STICKY	10	1,036
CLAY AND SAND, GRAY, SOLID	3	1,039
CLAY AND SAND, WHITE, STICKY	10	1,049
CLAY AND SAND, GRAY, STICKY	16	1,065
SAND, SEVERAL COLORS; WATER LEVEL ROSE 7 FEET	10	1,075
CLAY AND SAND, BLUE, STOCKY	35	1,110
CLAY AND SAND	16	1,126
CLAY AND SAND, BLUE; WATER LEVEL DROPPED 13 FEET	4	1,130
CLAY AND SAND, CLEAR; WATER LEVEL DROPPED 2 FEET	32	1,162
CLAY AND SAND, CLEAR	2	1,164
"RHYOLITE", BROWN, HARD	3	1,167
CLAY AND SAND, GRAY, STICKY	4	1,171
CLAY AND SAND, BLUE, VERY STICKY; WATER LEVEL ROSE 6 FEET		
CLAY, SANDY, BLUE, STICKY		1,230
NOT RECORDED	34	1,264
SAND AND CLAY, BLUE, STICKY	11	1,275
"RHYOLITE", WITH GRAY AND WHITE CRYSTOLS, HARD	4	1,279
SAND, SEVERAL COLORS	3	1,282
CLAY AND SOME SAND, STICKY	20	1,302
CLAY AND SAND, SEVERAL COLORS	27	1,329
CLAY, SANDY, GRAY, STICKY	7	1,336
"RHYOLITE", REDDISH-GRAY, HARD, SOLID	3	1,339
SAND, GRAY	1	1,340
SAND, BLACK	11	1,351
SAND AND CLAY, BLACK, SOLID, STICKY	25	1,376
SAND AND CLAY, BLACK, STICKY	12	1,388
SAND AND CLAY, BLUE, STICKY	38	1,426
CLAY AND SAND, SEVERAL COLORS; CAVED	6	1,432
CLAY, BLUE, STICKY	40	1,472
CLAY AND SAND, BLUE, STICKY	4	1,476
SAND AND CLAY	36	1,512
CLAY AND SAND, GRAY, STICKY	48	1,560
"QUARTZ", GRAY; CAVED	5	1,565
SAND AND CLAY; CAVED	17	1,582
SAND AND CLAY, BROWN AND GRAY	9	1,591

Sand and clay, light-brown, sticky	9	1,600
Clay and sand, brown, sticky	23	1,623
Clay, sandy, several colors	17	1,640
Volcanic rock [a], gray, hard	4	1,644
Gravel	2	1,646
Clay and sand, gray, sticky	5	1,651

a Petrographic studies of volcanic rocks from this area indicate they are chiefly latites and quartz latites and quartz latites rather than rhyolites.

b The presence of limestone or related rocks in this area is possible, but it has not been verified by geologic study of cuttings.

c The common occurrence of thick beds of volcanic ash interbedded between latite flows in outcrops along Goose Creek and Trapper Creek canyons suggests that much of the material logged as clay and sand may be partially altered volcanic ash.

13S 22E-33bb1. Ennis Mathews

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	4	4
Gravel, boulders, and sand	41	45
Clay, red, sand, and coarse gravel	127	172
Sand and coarse gravel	13	185
Clay, red, sand, and gravel	25	210

13S 22E-33bb2. Ennis Mathews

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Cobbles	45	45
Sand, brown, fine	121	166
Gravel, coarse	2	168
Sand, brown, fine	3	171
Gravel, coarse	6	177
Sand, brown, fine	5	183

GRAVEL,	COARSE	2	185
SAND,	BROWN, FINE	55	240
SAND,	GRAY, BROWN, AND BLACK	3	243

TWELVE-INCH CASING 0 TO 200 FEET, 10-INCH CASING 185 TO 243 FEET; CASINGS PERFORATED.

138 23E-4ca1. ALBERT ANDERSON AND SON

LOG OBTAINED FROM SAVAGE AND DENTON DRILLING CO. JUNE 17, 1952.

	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	SOIL AND CLAY	8	8
	OBSIDIAN [?], BLACK	2	10
	CLAY, YELLOW, AND GRAY AND WHITE SAND	15	25
	CLAY, YELLOW, AND LIGHT TO DARK-COLORED SAND	?	?
	SAND, GRAY, AND RED LATITE	?	95
A	"FLINT", LIGHT TO DARK-GRAY	20	115
	"FLINT", LIGHT-GRAY	10	125
	"FLINT", LIGHT-GRAY, WHITE, AND YELLOW, AND MUD LAYERS	5	130
	"FLINT", GRAY TO LIGHT-GRAY	30	160
	"FLINT", SANDY, GRAY TO DARK-GRAY	22.5	182.5
	"FLINT", SANDY, GRAY TO DARK-GRAY, AND SOME "TALC" [CLAY ?] IN CREVICES	2.5	185
	"FLINT", SANDY, GRAY TO DARK-GRAY	21	206
	MUD, YELLOW, IN CREVICE	1.5	207.5
	OBSIDIAN [?], DARK-GRAY	27.5	235
	LATITE, RED AND PINK, AND SOME UNIDENTIFIED MATERIAL	10	245
	LATITE, DARK-GRAY	10	255
	LATITE, BLACK AND LIGHT-GRAY	15	270
	LATITE, BLACK AND PINK	5	275
	LATITE, BLACK, GRAY, AND LIGHT-GRAY	10	285
	LATITE, BLACK AND RED	5	290
	LATITE, LIGHT-GRAY; CUTTINGS COARSE	5	295
	LATITE, LIGHT-GRAY, HARD; CUTTINGS FINE	5	300
	LATITE, LIGHT-GRAY	6	306
	LATITE, GRAY, AND GRAY SAND; CUTTINGS COARSE	1.5	307.5
	SAND, GRAY; SOME GRAY LATITE, IN ALTERNATING HARD AND SOFT LAYERS	12.5	320
	LATITE, LIGHT TO DARK-COLORED, BLOCKY	15	335
	LATITE, BLOCKY, LOOSE; CAVED	20	355

SAND AND LATITE, GRAY	10	365
SAND, GRAY, GRAY LATITE AND UNIDENTIFIED MATERIAL; ALSO SOME PYRITE [?]	15	380

A FLINT IS QUOTED, AS REPORTED BY THE DRILLER, BUT ITS PRESENCE IN THE AREA HAS NOT BEEN VERIFIED BY GEOLOGIC EXAMINATION OF DRILL CUTTINGS. IT IS PROBABLE THAT THE MATERIAL REPORTED TO BE FLINT IS LATITE FROM WHICH MUCH IRON HAS BEEN LEACHED, AS LEACHED LATITE CROPS OUT A SHORT DISTANCE SOUTH OF THE WELL.

138 23E-4CD1. ALBERT ANDERSON AND SON

LOG OBTAINED FROM SAVAGE AND DENTON DRILLING CO. JUNE 17, 1952.

MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
SOIL	5	5
CLAY AND BOULDERS	33	38
GRAVEL, BOULDERS, AND SOME CLAY; STRUCK WATER	10	48
CLAY, YELLOW, AND BOULDERS	27	75
CLAY, RED, AND BOULDERS	20	95
BOULDERS, GRAY, RED, AND WHITE; CAVED	30	125
CLAY, RED, AND BOULDERS	37	162
LATITE, RED, SOLID	13	175
LATITE, RED, AND PINK	5	180
LATITE, RED, FIRM	13	193
LATITE, RED; CUTTINGS COARSE	27	220
LATITE, GRAY, BROWN, AND RED, BROKEN	2	222
LATITE, RED AND BLACK, AND UNIDENTIFIED MATERIAL	13	235
LATITE, RED, BROKEN, AND ALTERED ROCK	15	250
SAND, GRAVEL, AND RED CLAY, SOFT	4	254
A "SELVAGE", IN BROKEN LATITE, AND SOME DARK-GRAY, BLUE, AND BROWN "FLINT" [ALTERED LATITE ?]	19	273
CREVICE	2	275
"SELVAGE", BROKEN	13	288
GRAVEL, SANDY, COARSE	4	292
LATITE, VARIOUS COLORS, AND "FLINT" [ALTERED LATITE ?]	8	300
LATITE, DARK-GRAY, SOLID, AND GRAY "FLINT" [ALTERED LATITE ?]	27	327

13S 23E-4cb1 — Continued

[B] "FLINT", DARK-GRAY	25	382
"SELVAGE", GREEN, AND SOME GRAVEL	19	371
SAND, GRAY, WITH GRAY AND BROWN "FLINT" AND "SELVAGE"	17	388
LIMESTONE, SANDY, SOLID	4	392
SANDSTONE AND "SELVAGE"	13	405
SANDSTONE, GRAY, AND "SELVAGE"	10	415
SANDSTONE, GRAY, AND "SELVAGE"; CAVED	8	423

TWELVE-INCH CASING FROM 0 TO 234 FEET.

[A] THE TERM "SELVAGE" HAS BEEN USED IN SEVERAL MINING DISTRICTS TO DESCRIBE ALTERED ROCK AND ASSOCIATED SECONDARY MINERALS ALONG FAULTS.

[B] FLINT IS QUOTED, AS REPORTED BY THE DRILLER, BUT ITS PRESENCE IN THE AREA HAS NOT BEEN VERIFIED BY GEOLOGIC EXAMINATION OF DRILL CUTTINGS. THE MATERIAL REPORTED TO BE FLINT IS PROBABLY LATITE FROM WHICH MUCH IRON HAS BEEN LEACHED, AS LEACHED LATITE CROPS OUT NEARBY.

13S 23E-7aa1. P. G. CLARK

LOG OBTAINED FROM SAVAGE AND DENTON DRILLING CO. JUNE 17, 1952.

MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
SOIL	4	4
GRAVEL AND BOULDERS	26	30
BOULDERS, BROKEN	10	40
CLAY, YELLOW, BOULDERS, AND GRAVEL	36	76
GRAVEL, SEVERAL COLORS	6	82
CLAY, BOULDERS, AND GRAVEL	34	116
GRAVEL, SEVERAL COLORS; STRUCK WATER	5	121
GRAVEL AND CLAY	9	130
GRAVEL, COARSE	4	134
LATITE, RED; STRUCK MORE WATER	1	135
LATITE, RED, SOLID	3	138
GRAVEL AND SAND, SOFT	9	147
LATITE, RED, BOULDER GRAVEL, SAND, AND CLAY	73	220

DRILLER REPORTED WATER WAS STRUCK AT 116 FEET AND ROSE TO 95 FEET BELOW LAND SURFACE.

13S 23E-8B1. Clark, Elquist, and Anderson

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil and gravel	15	15
Boulders and gravel; struck water	15	30
Latite [?], red	10	40
Latite [?], red and black	15	55
Sand, gravel, and clay	15	70
Boulders, coarse, gravel and clay; most of cuttings not recovered	15	85
Latite [?], red; cuttings coarse	20	105

13S 23E-8B2. Clark, Elquist, and Anderson

Log obtained from The Tower Drilling Co. June 9, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	6	6
Clay, yellow, and boulders	18	24
Latite [?], gray	8	32
Latite [?], red	21	53
Clay, light-tan	7	60
Clay, bright-red	9	69
Gravel and gray clay	3	72
Obsidian [?], black		72+

13S 23E-8B3. Clark, Elquist, and Anderson

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	7	7
Boulders	13	20
Latite [?], red, broken; struck water	35	55
Gravel, coarse, sand, coarse, and clay, [illegible]	25	80
Sand, hard	5	85
Latite, red; water level dropped	8	93
Latite [?], red; cuttings coarse; most of cuttings not recovered; large volume of water	7	100

13S 23E-8B4. Clark, Elquist, and Anderson

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil and gravel	10	10
Latite [?], red; boulders	10	20
Latite [?], red; and boulders, gravel; struck water	15	35
Latite [?], red	32	67
Sand, clay, and gravel	29	96
Latite [?], red, coarse	14	110

13S 23E-32B1. Fred Beeke

Log obtained from Hiddleston and Haynes Drilling Co. June 1952.

Material	Thickness (feet)	Depth (feet)
Soil and gravel	6	6
Gravel, coarse, bouldery	69	75
Clay, sand, and some gravel	25	100
Gravel	5	105

14S 23E-3D1. Beeke and Gorringe

Log obtained from driller, Harry Bolton, May 3, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	5	5
Clay and boulders; struck water at 37 feet	32	37
Clay	28	65
Boulders	5	70
Clay	60	130
Rock	5	135
Quartzite and some clay	75	210

14S 23E-5ad1. Jesse Beeke

Log obtained from Savage and Denton Drilling Co. June 17, 1952.

Material	Thickness (feet)	Depth (feet)
Soil	5	5
Clay	7	12
Gravel, clay, and boulders	33	45
Clay and gravel	10	55
Gravel, loose; caved	15	70
Clay, yellow, soft	20	90
Gravel, fine, and yellow clay	30	120
Gravel and yellow clay	14	134
Gravel, several colors	18	152
Clay, dark-colored	3	155
Gravel, coarse	5	160
Sand, white, hard	20	180
Clay, dark-brown, soft, and gravel	5	185
Clay, dark-colored	5	190
"Talc" [clay ?] white	10	200
Clay, yellow	15	215
Clay, yellow, and gravel	5	220
Gravel and some clay	5	225
Gravel, fine, and yellow clay	40	265
Clay, red	5	270
Gravel	1	271
Clay, red	19	290
Latite, red; water level dropped	5	295
Sand, gray and red	15	310

TABLE 2. RECORDS OF WELLS IN THE LOWER GOOSE

ABBREVIATIONS

DEPTH OF WELL: R, REPORTED, BUT NOT CONFIRMED BY MEASUREMENT.

TYPE OF PUMP: L, LIFT; F, FORCE; C, CENTRIFUGAL; T, SHAFT TURBINE, ST, SUBMERSIBLE TURBINE; N, NO PUMP.

USE OF WELL: D, DOMESTIC; S, STOCK; PS, PUBLIC SUPPLY; I, IRRIGATION; DR, DRAINAGE INTAKE WELL; IND, INDUSTRIAL; U, UNUSED.

WELL NUMBER	OWNER	YEAR DRILLED	DEPTH (FEET)	DIAMETER (INCHES)	CASING DEPTH (FEET)	TYPE OF PUMP	USE (3)
9S 24E-							
36AA1				6		L	U
9S 25E-							
2DC1	PETER GHEMI	1919	54R	6		J	D,S
3DD1	JEWEL DALSOGLIO		38R	6		C	D,S
8CD1	GEORGE SULLIVAN		25	6		C	D,S
8DD1	OSCAR H. PETERSON	1915	58R	6	22	L	D,S
9CC1	G. BEGEY	1935	33R	3	0	J	D,S
9CD1	ARTHUR SMYTH	1943	47	8	10	L	D,S
9DA1			24	6	7	N	DR
9DD1	ROBSTON SCHOOL		49	6		L	U
10AA1	VICTOR DALSOGLIO	1920	31	8	15	J	D,S
10AA2	DO	1949	53	6		N	DR
10AD1	E. L. DALSOGLIO	1926	45R	6	18	J	D,S
10BA1	J. H. PLANK		55	6		J	D,S
10BC1	J. GRISENTI	1919	50	6	15	J	D,S
10BC2	D. D. GRISENTI	1920	53	6		J	D,S
10BC3	DO	1950	83	6		N	DR
11AA1	ELIO PURIN	1948	58	6		J	D,S
11AB1	MATT PURIN	1944	57	6		J	D,S
11BA1	MRS. LEONI	1920	50R	6	20	J	D,S
11BB1	GILBERT RUTLEDGE		44	6		L	U
11BC1	DO	1914	60R	6		J	D,S
11CA1		1935	107	18	6	N	U
11CB1	ARCHIE CAROTTA		65R	6		J	D,S
15BB1		1934	68	16	11	N	U
16BA1	JACK GILLSON	1948	50R	6	20	J	D,S
16BC1	ARTHUR SMYTH	1940	50R	6		J	D,S
16BC2	DO	1948	44	6	6	N	DR

CREEK BASIN, CASSIA COUNTY, IDAHO

CONVENTIONS

DEPTH TO WATER: MEASURED DEPTHS TO WATER ARE GIVEN TO THE NEAREST ONE-TENTH OF A FOOT. REPORTED DEPTHS TO WATER ARE GIVEN TO THE NEAREST WHOLE FOOT.

MEASURING POINT			DEPTH TO WATER LEVEL IN FEET BELOW LAND-SURFACE DATUM	ALTITUDE OF WATER SURFACE ABOVE MEAN SEA-LEVEL DATUM (FEET)	DATE OF MEASUREMENT
DESCRIPTION	DISTANCE ABOVE OR BELOW (-) LAND SURFACE (FEET)	ALTITUDE ABOVE MEAN SEA LEVEL DATUM (FEET)			
TOP OF CASING	1.3		15.1		5- 9-52
LAND SURFACE	0.0	4,178.2	20	4,158	5- 7-52
DO	0.0	4,162.8	19	4,144	5- 7-52
TOP OF CASING	-9.6	4,151.3	19.1	4,141.8	5- 8-52
LAND SURFACE	0.0	4,161.0	22	4,139	5- 9-52
DO	0.0	4,159.3	22	4,137	5- 9-52
TOP OF WOODEN PLATFORM	0.8	4,162.8	16.8	4,145.2	5- 9-52
TOP OF CASING	-1.6	4,157.8	16.7	4,142.7	5- 8-52
TOP OF CONCRETE PLATFORM	0.4	4,172.5	29.3	4,142.8	5- 8-52
TOP OF CONCRETE CASING	0.0	4,165.7	21.7	4,144.0	5- 7-52
TOP OF CASING	-0.5	4,158.8	16.2	4,143.1	5- 7-52
LAND SURFACE	0.0	4,173.0	18	4,155	5- 7-52
TOP OF CASING	-7.4	4,154.5	29.8	4,132.1	5- 8-52
DO	-7.5	4,157.3	20.0	4,144.8	5- 8-52
TOP OF CONCRETE PLATFORM	-1.0	4,182.3	38.9	4,144.4	5- 7-52
TOP OF BOARD OVER WELL	-7.7	4,166.8	21.2	4,153.3	5- 7-52
HOLE IN E SIDE OF PUMP BASE	0.7	4,167.8	23.7	4,143.4	5- 8-52
TOP OF CASING	-2.4	4,184.9	43.7	4,143.6	5- 7-52
TOP OF CASING	0.0	4,178.1	32	4,146	8 -34
			35.1	4,143.0	5- 7-52
LAND SURFACE	0.0		18		5- 9-52
TOP OF CASING	-0.2	4,156.3	15.1	4,141.4	5-10-52

TABLE 2 — CONTINUED

9S 25E-							
16CC1	R. A. LANEY	1951	55R	6	3	J	D,S
17A01	ARTHUR SMYTH	1933	29	6		L	U
17AD2	DO	1930	50R	6		J	D,S
17BA1	WALTER CARTER		30R	6	30	C	D,S
17BA2	DO			6		F	D,S
17BC1	W. C. MITCHELL		40R	6		C	D,S
17CC1	W. C. WARD	1920	44	4		J	D,S
17CD1	ELMER J. RUSH	1920	34	4		J	D,S
17DA1	ELMER CARLSON	1914	37	6		J	D,S
17DC1	ETTA P. SMITH	1949	96R	6		J	D,S
17DD1	E. NEWMAN	1916	50R	6		F	D,S
19AA1	JAKE ENSKRAF			6		L	D,S
19AA2	BARNES	1917	37	6		C	D,S
19DA1	ARLO SMITH		55	6		L	U
19DC1	JESSIE MCKENZIE			6		J	D,S
20AA1	OWEN SMITH	1930	45R	6		J	D,S
20AD1	ALBERT D. NIELSON	1912	58R	6	8	L	D,S
20CB1	M. W. BECKER	1940	45R	6		J	D,S
20CC1	SPEED WALL		47	6		L	U
21BA1	BILL JOHNSON	1912	46	6	15	J	D,S
21BB1	W. A. WALTON	1910	49R	6		J	D,S
21BC1	CHARLES CARD	1930	53R	6		L	D,S
29BB1	B. M. ORCHARD	1934	50R	6		J	D,S
29BC1	ARLAND THOMPSON		50R	6		J	D,S
29CB1	H. E. BARNGROVER	1909	50	6	4	L	D,S
30AA1	KARL HEER	1930	50R	6	20	L	D,S
30CD1			34	4		C	D,S
30DA1	PETER BOLDT JR.		50R	6		J	D,S
30DD1	CLARENCE LEMKE	1933	65R	6	8	J	D,S
31BA1	MART HEISEL	1906	40R	6		J	D,S
31BC1	FAIRCHILD	1910	50R	48-6	0	L	D,S
31CB1	S. H. WALL	1936	58R	4		J	D,S
10S 22E-							
20CC1	C. W. SHOREY		194	6		F	D,S
20DB1	THEODORE TIBBETS		100R	36	17	C	D,S
21AC1	SMITH		31	42		C	I
21AD1	MICHEL SANCHOTELA	1946	100R	8		J	D,S
21CC1	HENRY NEIWERT	1921	14	30		L	U
21CC2	DO		22			C	D,S
21CB1	ARVIN JOHNSON	1935	23R	36	19	C	D,S
21DB1	ALEX MAI	1938	20R	6		J	D,S
22BC1	GOLDEN DURFEE	1935	27	30	27	C	I
22BB1	DO	1940	10	48	10	C	I
22CC1	NEIL BOWERS	1949	17R	24	17	C	D,S
22CC2	ELIAS BOWERS	1940	20	23	20	C	D,S
22CC3		1915	60R	6		L	U
22DA1	A. C. TILLEY	1944	24	6		J	D,S
23CB1	RAY ALLEN	1948	25R	6		J	D,S
25CB1	W. E. GOOCHNOUR	1915	40R	6		J	D,S

Top of wooden platform	0.0	4,165.3	15.6	4,149.7	5- 9-52
Land surface	0.0	4,161.9	18	4,144	5- 9-52
Top of casing	-6.5	4,153.1	16.6	4,143.0	5- 8-52
Top of 1½-inch pipe	-4.2	4,157.2	18.0	4,143.4	5- 8-52
Top of casing	-3.7	4,154.0	16.1	4,141.6	5- 8-52
do	-5.7	4,153.8	17.3	4,142.2	5- 8-52
do	-8.0	4,160.0	25.7	4,142.3	5- 8-52
Top of wooden curb, W side	1.2	4,167.6	23.6	4,142.8	5- 9-52
Land surface	0.0	4,172.8	28	4,145	5- 8-52
Top of wooden platform	1.0	4,158.8	15.4	4,142.4	5- 9-52
Top of casing	-6.3	4,156.6	20.9	4,142.0	5- 9-52
Top of concrete platform	0.0	4,173.6	30.0	4,143.6	5- 9-52
Land surface	0.0	4,175.0	27	4,148	5- 9-52
Bottom of pump base	0.2	4,175.3	32.5	4,142.6	5- 9-52
Top of casing	0.5	4,175.6	32.4	4,142.7	5- 8-52
Land surface	0.0	4,178.6	38	4,141	4 -50
do	0.0	4,171.7	35	4,137	8- 9-52
Hole in pump base, SE side	1.6	4,173.8	29.4	4,142.8	5-10-52
Land surface	0.0	4,172.4	36	4,136	5- 9-52
Top of casing	-5.0		24.7		5-10-52
Land surface	0.0	4,175.7	30	4,146	5-10-52
do	0.0	4,174.0	40	4,134	5-10-52
Land surface	0.0	4,176.5	43	4,134	5-10-52
Top of casing, W side	2.9		11.4		10-13-52
Top of casing, SW side	0.0		13.0		10-16-52
Hole in casing, N side	0.0		12.2		10-14-52
Top of 2 X 8-inch plank	0.0		5.5		10-13-52
Top of wooden crib, W side	0.0		11.1		10-13-52
Land surface	0.0		15		-35
do	0.0		14		10-14-52
Top of casing, N side	2.2		15.3		10-14-52
Top of 6 X 6-inch plank	0.0		3.9		10-14-52
Land surface	0.0		13		Spring-49
Top casing	0.2		12.8		10-14-52
Bottom of pump base, E side	0.2		12.5		10-14-52
Top of casing, N side	-4.9		19.6		10-15-52
Land surface	0.0		18		Fall--50

TABLE 2 -- CONTINUED

10S 22E-							
26AA1	MRS. VAN HOUK			6		J	D,S
26AD1	BLAIR GOCHNOUR	1920	60R	6		C	D,S
26BA1	BURLEY IRR. DIST.	1910				N	U
26BA2	A. L. KNIGHT	1935	35	6	31	C	D,S
26CB1	ALBERT HOLYOAK	1930	36	6	36	J	D,S
26CC1	F. R. MCCASLIN	1915	265R	6		J	D,S
26DA1	BURLEY IRR. DIST.	1909				N	U
26DA2	DO					N	U
26DD1	RAY MITCHELL	1920	60R	6		J	D,S
27AA1	J. L. THURSTON	1938	176R	6-4		J	D,S
27AA2	LUTHER WARREN	1945	45R	6		J	D,S
27AB1	LEO THURSTON	1920	28	10		J	D,S
27BA1	WILLIAM MAI	1915	31	8		J	D,S
27BB1	GOLDEN DURFEE	1914	17	24		L	U
27BB2	G. C. DURFEE	1930	30	6		C	D,S
27DA1	JOSEPH HOLYOAK	1938	30R			J	D,S
27DA2	LEROY WATERS	1915	270R	6		F	D,S
27DD1	LDS CHURCH, STAR WARD	1914				N	U
28BB1	ALBERT DUKE	1935	221R	6	10	J	D,S
28BB2	LAVON PRIEST	1941	73R	6	12	J	D,S
28CD1	ROYCE HESS	1950	258R	6	35	F	D,S
28DC1	WILLIAM D. LARSEN	1908	310R	4		F	D,S
29AA1	H. V. JENSEN	1937	190R	6		F	D,S
29AA2	A. H. JORGENSEN	1940	265R	6		F	D,S
30AA1	RAY DECKER	1930	196	6		F	D,S
33AB1	JACK GOCHNOUR	1950	265R	6	10	F	D,S
33DD1	R. O. HATCH	1952	625R	16	420	N	I
34AA1	AUSTIN HANKS	1918	280R	6	40	F	D,S
34AB1	LAMAR HANKS	1943	220R	6		F	D,S
34BA1	ERVIN HALL	1935	290R	4		F	D,S
34DD1	JAMES TILLEY	1949	231R	6	75	F	D,S
34DD2	GRANT BECK			6		F	D,S
35AA1	J. B. GOCHNOUR	1915	68R	6	58	J	D,S
35BA1	TED WHITING	1936	250R	6		F	D,S
35DD1	WELDON BECK	1920	300R	6		F	D,S
35DA1	LOVELL HOLYOAK		65R	6		J	D,S
36AA1	SAMUEL SHAW	1914		6		J	D,S
36AB1	CASEY BARLOW		49	6		L	D,S
36BC1	LOVELL HOLYOAK		70R	6	70	J	D,S
36DA1	CLEO J. LARSON	1910	70R	6		J	D,S
36DD1	LARSEN		58	6		J	S

TABLE 2 — CONTINUED

10S 23E-							
19bc1	J. L. WELDON		60R	6		N	U
20aa1	CITY OF BURLEY	1947				T	I
20aa2	DO					C	I
20bc1	DO	1937	71R	12	71	T	I
20bc2	DO	1947	100R	16		N	U
20bd1	DO		86R	15		T	I
20cb1	DO	1928	49R	12	49	T	PS-
20cc1	DO	1913	42R	72		N	O
20cc2	DO	1917	50R	72-15		T	I
20cc3	DO	1926	1,115R	24-15	469	T	PS,O
20cc4	DO	1923	446R	6		N	U
20cc5	DO	1939	83R	12		T	I
20cc6	DO	1920	60R			N	U
20cc7	DO	1940	485R	16-13		T	PS
22cc1	DO		84R	9		ST	I
28aa1	DO	1940	105R	12		T	I
29aa1	DO	1933	66R	14		T	U
29aa2	DO	1934	81R	15		T	I
29bc1	DO	1949	117R	16	100	T	I
30ad1	DO	1951	90R			T	PS
31ac1	RUSSEL SHOCKEY		60	6		J	D,S
31dd1	ED GLORFIELD	1912	42	6	41	C	D,S
32cb1	HAROLD [illegible]SKET		42	4		J	D,S
33aa1	R [illegible]ER		60R	4		J	D,S
33ad1	[illegible]. ROBINSON		86	6		J	D,S
33ad2	DO		20R			L	S
34ab1	WADE BAKER		90R	6		J	D
34ba1	HENRY WEBER	1907	55	6		J	D,S
34cb1	JANE R. ROBINSON		65	6		J	D,S
34cd1	W. M. BISCHOFF	1918	112			L	D,S
34da1	CARL MELINE	1917	50R	6		J	D,S
34da2	LLOYD R. GUNDERSON		76	6			D,S
34dc1	REX TAYLOR		90R			J	D,S
34da1	ARTHUR HAYCOCK	1924	100R	12		J	D,S
35ab1	HERMAN D. STOKER	1940	60R	6	60	J	D,S
35ad1	IRA L. FROST	1946	49R	6	49	J	D,S
35ad2	BERNELL STOUT	1951	60R	6	55	J	D,S
35ad3	WAYNE CALL	1937	60R	4		J	D,S
35aa1	NOEL H. ELQUIST	1917	50R	6	50	J	D,S
35ba1	ROY HONDO		90R	4		J	D,S
35cc1	WILLARD JOLLEY		90R	6		C	D,S
35dc1	BISH HANZEL			6		C	D,S
35da1	DO						D,S
36aa1	UTAH OIL REFINING CO.	1949	193	6	193	F	IND.
36ad1	ED CARSON	1935	60R	4	40	J	D,S
36dc1	B. E. GOOCH			8		J	D,S
36da1	BERNELL STOUT		74	3	74	N	U

TOP OF CASING COVER	-5.5		5.9		10-23-52
LAND SURFACE	0.0		14		8 -47
DO	0.0		11		12 -43
TOP OF CASING, E SIDE	-10.8		13.7		8-13-47
RIM OF MANHOLE	0.0		13.2		8-13-47
TOP OF FLOOR	0.0		14.5		8-13-47
CENTER OF PRESSURE GAGE	1.0		199		1- 1-40
LAND SURFACE	0.0		190		-23
TOP OF CASING, NE SIDE	-2.7		7.2		8-13-47
LAND SURFACE	0.0		4		-20
PUMP BASE			199.5		8-13-47
HOLE IN CAP FLANGE	-1.0		30.2		8-13-47
LAND SURFACE	0.0		25		
DO	0.0		15		8-13-47
TOP OF CASING	-2.0		17.3		8-13-47
DO	-5.9	4,193.7	23.7	4,175.9	10-22-52
TOP OF CASING COVER	-8.5	4,186.3	14.1	4,180.7	10-30-52
TOP OF CASING, N SIDE	-6.2		11.1		10-30-52
LAND SURFACE	0.0		14		9-12-52
BOTTOM OF PUMP BASE, W SIDE	-4.0		23.9		9-11-52
TAP HOLE IN PUMP BASE	1.0		4.6		9-11-52
LAND SURFACE	0.0		30		9-12-52
HOLE IN CASING	-6.0	4,175.3	17.2	4,164.1	9-12-52
TOP OF CASING, N SIDE	-1.5	4,173.4	2.1	4,172.8	9-11-52
TOP OF CASING	0.3		14.1		9-11-52
TOP OF CASING	-11.0	4,191.9	18.5	4,184.4	7-21-52
HOLE IN PUMP BASE, NW SIDE	-6.3		17.3		9-11-52
LAND SURFACE	0.0	4,202.9	10	4,193	7-22-52
TOP OF CASING, S SIDE	0.9	4,184.2	33.2	4,150.1	7-21-52
LAND SURFACE	0.0		12		7-12-52
DO	0.0	4,193.2	22	4,171	7-14-52
TOP OF CASING, E SIDE	-8.0	4,190.0	21.9	4,176.1	7-12-52
LAND SURFACE	0.0		45		7-21-52
TOP OF CASING, E SIDE	-5.6	4,185.4	45.2	4,148.8	7-21-52
HOLE IN CASING, E SIDE	-9.0	4,193.8	16.5	4,186.3	7-21-52
TOP OF CASING, S SIDE	-5.5	4,199.5	12.9	4,192.1	7-22-52
TOP OF CASING, W SIDE	-6.0	4,185.1	42.7	4,148.4	7-12-52
LAND SURFACE	0.0	4,186.5	25	4,161	7- 3-52
DO	0.0	4,198.1	20	4,178	7-12-52
TOP OF CASING, N SIDE	0.0		20.3		7-14-52

TABLE 2 -- CONTINUED

10S 23E-							
36ccl	IDA PARK	1918	100R			C	D,S
36dAl	J. D. JONES	1944	50R	6		J	D,S
36dcl	IDA PARK	1918	65R			L	D,S
36dc2	JAMES BRONSON	1915	86R	4	86	C	D,S
36ddl	STANLEY CARSON	1938	60R	6		J	D,S
10S 24E-							
1AAl	L. H. STUTZ	1950	50R	6	12	L	D,S
1ABl	FRED HAYNES	1948	46	6		L	D,S
1BAl	W. S. MATLOCK		38	6		J	D,S
1ccl	C. J. MOON	1915	45R	6		J	D,S
1ddl	W. W. & W. T. NEWCOMB	1950	88	14		T	I
2ADl	L. J. KISS NGER			6		J	D,S
2ddl	T. R. LISH	1929				L	D,S
2dcl	WOODALL	1935	52R	6		L	D,S
11ABl	L. J. KISSINGER	1924	50R	6		J	D,S
11BCl	J. M. ESTES	1930	62	6	40	J	D,S
11CBl	CECIL MORGAN	1935	50R	6		J	D,S
11cb2	DO			6		L	U
11cDl			29	6		L	D,S
11DAl	FLOYD WEST	1927	63R	6		J	D,S
12ABl	W. W. & W. T. NEWCOMB	1950	110	12	8	T	I
12ACl	W. W. NEWCOMB		57	6		J	D
12BBl	EARL SOLDEN		60	6		L	D,S
12BDl	W. W. NEWCOMB			6		J	D,S
13BCl	C. M. LAWS		42	6		J	D,S
13CBl	R. H. FUGUA	1944	46	6		J	D,S
13CCl	MRS. T. O. FUGUA	1918	46	6		J	D,S
14ABl	FRED KOWITZ	1920	47	6	4	J	D,S
14ADl	A. L. TYLER		44	6		J	D,S
14BCl	F. H. HANSON	1930	16R	8	16	C	D,S
14CBl			27	6		L	D
14DAl	RICHARD FUGUA	1950	55	6		J	D,S
14DDl	C. O. PETERSON	1920	50R	6		J	D,S
15AAl	J. C. HAWKER	1944	59R	6		J	D,S
15ADl	WELLS KOYLE	1949	22R	3	22	J	D,S
15DCl	C. O. PETERSON	1918	34R	8		J	D,S
15DDl	A. L. SEAMONS		29	6		C	D,S
22AAl	R. L. BERLIN	1928	160R	6-4	160	L	D,S
22DDl	ANEST PAPPAS		75R	6		J	D,S
23AAl	WILFORD C. MORGAN	1927	48R	6		J	D,S
23ABl	DO		49	6		L	D,S
23BCl	AMBROS MOFFITT	1930	66	6		J	D,S
23DAl	R. A. SANELL	1920	22	6	5	N	U
23DBl	G. S. MATHEWS	1917	90R	6	90	J	D,S
23DB2	DO	1917	49	6	49	F	S

LAND SURFACE	0.0	4,204.0			
DO	0.0	4,198.6	12	4,187	-44
DO					
HOLE IN CASING, E SIDE	-4.5	4,198.5	11.5	4,191.5	7-12-52
LAND SURFACE	0.0	4,206.2	25	4,181	7- 2-52
LAND SURFACE	0.0		31		10 -50
TOP OF CASING	0.3	4,173.6	30.3	4,143.0	5-10-52
DO	-7.5	4,156.6	20.8	4,143.3	5-12-52
LAND SURFACE	0.0	4,168.7	10	4,159	5-12-52
HOLE IN W SIDE OF PUMP BASE		4,199.2	54.7	4,144.5	1-29-52
TOP OF CASING	-5.0	4,168.3	29.8	4,143.5	5-14-52
LAND SURFACE	0.0	4,147.0	8	4,139	5-12-52
LAND SURFACE	0.0	4,169.4	20	4,149	5-13-52
TOP OF PITCHER PUMP	3.0	4,156.9	10.3	4,143.6	5-12-52
LAND SURFACE	0.0	4,157.1	16	4,141	5-12-52
DO	0.0	4,157.1	18	4,139	5-12-52
TOP OF CASING	0.2		17.5		5-12-52
LAND SURFACE	0.0	4,171.2	51	4,120	SUMMER-34
HOLE IN N SIDE OF PUMP BASE		4,205.8	60.9	4,144.9	1-29-52
TOP OF CASING	0.1	4,179.0	35.2	4,143.7	5-10-52
LAND SURFACE	0.0		60		5-12-52
TOP OF CASING, S SIDE	-1.7	4,164.6	33.0	4,133.3	5-14-52
TOP OF CASING, SW SIDE	-5.7	4,180.5	30.0	4,156.2	5-14-52
BOTTOM OF PUMP BASE	-5.5	4,183.7	32.9	4,156.3	5-14-52
TOP OF CASING	-0.2	4,181.2	28.1	4,153.3	5-16-52
DO	-6.3	4,177.0	30.0	4,153.3	5-14-52
LAND SURFACE	0.0		8		5-13-52
TOP OF CASING	0.2		11.4		5-16-52
BOTTOM OF PUMP BASE	-4.7	4,177.4	27.5	4,154.6	5-14-52
LAND SURFACE	0.0	4,160.3	10	4,150	5-16-52
TOP OF CASING	-0.5	4,160.1	10.0	4,150.6	5-13-52
LAND SURFACE	0.0	4,172.1	14	4,158	5-13-52
LAND SURFACE	0.0	4,191.2			
TOP OF CASING, N SIDE	1.9	4,186.8	18.4	4,166.5	5-16-52
TOP OF CASING, S SIDE	-6.5	4,198.9	38.6	4,166.8	5-13-52
LAND SURFACE	0.0	4,197.6	DRY AT 22 FEET		5-14-52
DO	0.0	4,203.2	30	4,173	5-13-52
BOTTOM OF PUMP BASE	0.0	4,210.1	41.5	4,168.6	5-13-52

TABLE 2 -- CONTINUED

10S 24E-							
23DD1	F. M. MARSEILLE	1910	45R	6		J	D,S
24BA1	ELMON KIDD	1920	50	6		L	D,S
24BB1	DO	1934	38	6		C	D,S
24BC1	E. C. SAXTON	1935	60	6		J	D,S
24CA1	FANNY TANNER	1934	42	6	1	N	U
24CB1	DO	1930	50R	6		J	D,S
24CB2	DO	1929	50R	6		J	S
24CC1	R. A. SANELL	1920	39	6		J	D,S
24DC1	ROBERT SIMPLOT		60R	6		J	D,S
25AA1	A. D. BROWN		42	6		C	D,S
25AB1	GILBERT KIDD		100R	6		J	D,S
25BA1	W. E. MATHEWS	1925	57	6			D,S
25CC1	BURDELL CURTIS		47	6		L	D
25CC2	H. JIBSON	1920	36R	6		J	D,S
25CD1	LAWRENCE McCALL	1927	71	6		J	D,S
25DC1	J. W. ELLIOTT	1930	72	6		J	D,S
26AA1	CLAYNE ZOLLINGER		20R			C	D,S
26AD1	ELMO CHRISTOPHERSON	1943	41	6	22	C	D,S
26BB1	H. O. CHRISTOPHERSON		40R	6		J	D,S
26BC1	WALTER AMOOSO	1927	31	8	2	J	D,S
26DA1	JOHN BORTZ	1928	60R	6		J	D,S
26DC1	DO	1930	26	6		L	U
26DC2	RALPH JIBSON	1908	61	6		J	D,S
27AD1			48	6		J	D,S
27BB1	W. L. HURST		22R	6		J	D
27DC1	OWEN OSTERHOST		100R	6		L	D,S
27DD1	W. A. GREENAR EST.		29	6		L	D
31AA1	CASSIA LUMBER AND SEED CO.	1918	32	7	32	N	IND.
31AA2	T. E. BOWEN	1935	54R	7	54	J	D,S
31AB1	D. M. BORGSS	1937	60R	6	40	J	D,S
31CC1	GEORGE D. JOHNSON		52	5		N	U
31CC2	DO	1942		4		J	D,S
31CD1	THOMAS PEAVEY		120R	4		J	D,S
31DA1	FRANK RASMUSSEN	1943	41	4	41	C	D,S
31DC1	RUDY SCHOLER	1937	68R	6	52	J	D,S
31DD1	T. W. RASSMUSSEN	1921	23	6	21	C	D,S
32AA1	ALTON JENSEN			6		L	S
32AB1	DON E. NORTON, SR.					J	D,S
32BA1	P. D. PACE	1933	75R	6	35	J	D,S
32BA2	LUCY JONES	1939	80R	4	60	J	D
32CC1	MAUDE BANDLEY	1924	225R	6	12	L	D,S
32CD1	GEORGE HYMAS	1941	199R	6	199	J	D,S
32CD2	DO	1947	60R	8	60	J	D,S
32DC1	M. H. MANNING	1915	75R	6-4	75	C	D,S
32DC2	DO	1940	90R	6		C	D,S
33AA1	E. L. TAYLOR		80R	6		C	D,S

Top of casing	-4.0	4,203.0	17.2	4,188.8	5-13-52
Top of casing, E side	0.0	4,195.2	36.1	4,159.0	5-14-52
Top of casing	-5.7	4,183.8	22.1	4,167.4	5-14-52
Top of casing, S side	-6.5	4,199.1	38.1	4,167.5	5-14-52
Top of casing	-0.9	4,210.0	38.8	4,172.1	5-14-52
Land surface	0.0		35		5-14-52
do	0.0		35		5-14-52
Top of casing	-5.3	4,198.1	15.8	4,187.6	5-14-52
Top of casing, E side	-0.5	4,215.2	11.0	4,204.7	5-14-52
Top of casing	0.4	4,213.3	13.0	4,199.9	5-14-52
do	0.8	4,236.3	31.3	4,204.2	5-17-52
Top of casing	-5.0	4,232.1	34	4,203	5-17-52
do	-3.5	4,240.8	39.6	4,204.7	5-17-52
Top of casing	-4.9	4,216.4	18.9	4,202.4	5-16-52
Land surface	0.0	4,210.0	12	4,213	Summer-46
Top of casing	-8.7	4,199.9	21.0	4,187.6	5-12-52
Land surface	0.0	4,225.5	12	4,213	Summer-46
Top of casing	0.2	4,215.6	12.7	4,202.7	5-16-52
do	-4.9	4,219.7	20.5	4,204.1	5-19-52
do	0.8	4,198.8	15.1	4,182.9	5-16-52
Concrete walk	0.0		7.2		9- 4-52
Top of casing	-6.4		23.8		5-19-52
do	0.0	4,201.4	10.2	4,191.2	6-17-52
Top of casing, W side	0.0	4,189.2	16.9	4,172.3	6-28-52
Land surface	0.0		35		6-27-52
do	0.0	4,188.1	30	4,158	7- 2-52
Top of casing	1.0	4,207.1	14.4	4,191.7	7- 3-52
Land surface	0.0	4,206.2			
do	0.0	4,202.4	20	4,182	7- 3-52
Top of casing, W side	-8.0	4,189.9	12.2	4,182.7	7- 8-52
do	-4.6	4,197.4	13.8	4,188.2	7- 8-52
Top of casing, N side	-4.2	4,190.6	7.6	4,187.2	7- 3-52
Bottom of pump base, S side	0.0	4,190.8	7.5	4,183.3	6-27-52
Land surface	0.0	4,191.3	35	4,156	6-28-52
do	0.0	4,192.3	60	4,132	6-28-52
do	0.0	4,207.6	30	4,178	6-30-52
do	0.0	4,206.8	75	4,132	6-27-52
Top of casing, N side	-5.5	4,200.1	15.8	4,189.8	6-27-52
Top of casing, E side	-5.2	4,204.6	19.8	4,190.0	6-27-52
Top of casing, S side	-5.2	4,202.8	18.1	4,189.9	6-27-52
Top of casing, E side	-6.6	4,203.0	20.0	4,188.6	9-20-51
			25.0	4,183.5	6-24-52

TABLE 2 -- CONTINUED

10S 24E-							
33AB1	RAY OSTERHOUT	1941	34	6		C	D,S
33BB1	ALTON JENSEN		60R	6	50	J	D,S
33CC1	F. H. MORGAN	1912	63R	4	18	C	D,S
33CD1	GLEN LOVELAND		65	6		C	D,S
34BA1	H. S. LEWIS	1923		6		C	D,S
34CB1	FRANCIS PENROD	1947	76R	6	22	C	D,S
34CC1	J. G. ADAMS	1922	16	6		C	D,S
34DA1	O. E. WARD	1928	70	6		J	D,S
34DC1	HENRY L. NORTON	1908	85R	6		J	D,S
34DD1	JAY A. BROWN		47	6		C	D,S
34DD2	DO					L	D,S
35AA1	ROBERT KELSEY		54	6		J	D,S
35CC1	ROBERT MEADE			4		J	D,S
35CC2	GUS ENGSTROM	1932	55	6		L	D,S
35DD1	W. L. RICHARDSON		63	6		L	U
36AB1	CARL BEHR	1930	71	6		J	D,S
36BA1	C. L. BANNER	1922	40R	6		J	D,S
36BB1	BERT INGRAM	1943	100R	4		J	D,S
36BB2	BURDELL CURTIS	1943	46	6		J	D,S
36BC1	S. C. PRESTON	1931		6		L	D,S
36CB1	MRS. JOE WALKER	1920	90R	6		L	D,S
36CD1	DO		90	6		L	D,S
10S 25E-							
5DC1	W. W. AND W. T. NEWCOMB	1952	164	16		T	I
6CD1	DO	1950	125	14		T	I
6DA1	DO	1950	160R	16		T	I
7AD1	ANDERSON	1952	155	16		T	I
7BA1	W. W. AND W. T. NEWCOMB	1952	130	12		T	I
7BB1	DO	1950	85R	16		T	I
16BD1	GIS ARBON	1952	220	20	30	T	I
17CA1	THOMAS AND HEFTY	1952	174	16	29	T	I
27CD1	E. L. DEWEY	1910	180R	3		F	D,S
27DC1	DO		30R		30	N	U
28BD1	LEE AND ERVIN DEWEY	1946	100R	6		T	D,S
29CA1	WILLIAM ANDERSON		58R	16		T	I
29DA1	DO	1947	100	16	11	T	I
30AC1	IVAN DAYLEY	1930	83	6		L	D,S
30BC1	JACK CHAMBERLIN	1918	89	6	60	J	D,S
30CB1	ELLIS A. JENSEN		60R	6		J	D,S
30CB2	ALEX KIDD	1950	75R	6		J	D,S
30CB3	DO	1920	80	6		L	U
30DA1	WILLIAM ANDERSON	1948	127	16	53	T	I
30DD1	DO	1947	63	16-12	63	T	I

Top of casing, W side	-7.0	4,204.6	17.3	4,194.3	6-23-52
Land surface	0.0	4,191.3	10	4,181	6-27-52
Top of casing, NE side	-6.5	4,202.6	16.6	4,192.5	6-26-52
Top of casing, N side	-5.5	4,199.5	11.5	4,193.5	6-26-52
Top of casing	-5.9		23.0		5-19-52
Land surface	0.0	4,212.1	15	4,197	7 -47
Top of casing	-6.0	4,205.4	12.4	4,193.0	6-25.52
do	-5.0	4,215.9	26.1	4,194.8	5-19-52
Top of casing, S side	-4.5	4,210.6	15.0	4,200.1	6-25-52
Top of casing	-11.7	4,211.0	28.2	4,194.5	5-19-52
Top of casing, S side	-6.9	4,218.0	20.1	4,204.8	5-19-52
Top of casing	-5.0	4,215.0	25.3	4,194.7	5-19-52
do	0.3	4,221.5	23.6	4,197.6	5-19-52
Top of well cover	-6.9		20.2		5-19-52
Top of casing, W side	-4.7	4,239.2	36.8	4,207.1	5-16-52
Land surface	0.0	4,236.1	30	4,206	5-17-52
Hole in W side of pump base	-4.0	4,226.0	25.1	4,204.9	5-19-52
Top of casing	0.5	4,235.4	29.1	4,205.8	5-19-52
Top of wooden platform	0.7	4,230.7	2.6	4,227.4	5-19-52
do	0.6	4,231.8	5.7	4,225.5	5-19-52
do	0.0	4,257.9	31.3	4,226.6	5-19-52
Land surface	0.0		117		7- 3-52
Hole in W side of pump base		4,225.3	80.6	4,144.7	1-29-52
do		4,244.5	99.3	4,145.2	1-29-52
Hole in NE side of pump base	0.0		116.5		9- 5-52
Land surface	0.0		105		5-17-52
do	0.0	4,319.4			
Top of casing, W side	1.7		175.2		9- 5-52
Top of casing, E side	0.2		156.6		8-13-52
			156.0		9- 5-52
Land surface	0.0		114.0		5- 2-28
Surface, 0.3' below top of 1½-inch pipe	0.0		6.3		5- 2-28
Land surface	0.0	4,284.8	25	4,260	5-17-52
Top of casing	1.1	4,306.2	29.5	4,275.6	5-17-52
do	0.6	4,267.6	52.7	4,214.3	5-14-52
Top of casing, W side	-5.0	4,250.9	49.9	4,206.0	5-14-52
Top of casing, N side	0.1	4,253.1	48.7	4,204.3	5-17-52
Land surface	0.0	4,269.4	71	4,198	4 -48
Top of casing, N side	1.2	4,271.4	15.7	4,254.5	5-17-52

TABLE 2 — CONTINUED

10S 25E-							
31BB1	VIVAN WHIPPLE	1934	17	6	17	N	U
31CB1	BURDELL CURTIS		31	6		J	D,S
11S 22E-							
1AB1	MARK Y. DAYLEY		65R			N	U
1AB2	"	1943	193	6	100	ST	D,S
1AD1	WOODROW BARLOW	1920	38	6		J	D,S
1BB1	F. C. LATTIMER		68	5	68	J	D,S
1CB1	PAUL CLARK	1930	260R	4		F	D,S
1DC1	LYLE H. DUKE	1910	220R	6-4		F	D,S
2BA1	MAYLON WHITING	1946	180R	6	60	F	D,S
2BB1	MRS. A. J. ANDERSON	20	231R	6		L	D,S
2CD1	J. O. WALKER	1917	340R	4		ST	D,S
3AB1	R. O. HATCH	1950	371	16-10	351	T	I
3DD1	WILLIAM BECK	1945	181	6		F	D,S
10AA1	ALBERT BURNHAM	1943	185R	6	40	F	D,S
11AA1	JOHN WARNER		300R	6		ST	D,S
11BA1	DEE R. BINGHAM	1946	172R	6	40	F	D,S
11BB1	OWEN WALKER	1940	187	6		F	D,S
11CB1	CLARENCE RANDALL	1943	168	6	40	ST	D,S
11CD1	L. J. HAGBERG	1927	166R	6	27	F	D,S
11DC1	MYRTLE FOWLER		157	6		F	D,S
12AA1	A. E. DUKE	1915	309R	6		F	D,S
12AD1	BADENSINGH EST.		325R	6		F	D,S
12CD1	H. R. BOWEN	1932	320R	6	30	ST	D,S
13BC1	J. H. & J. W. BODILY	1937	176R	6	20	F	D,S
13BA1	MRS. HERBERT THOMPSON	1912	265R	6		L	D,S
13DC1	LESLIE BOWCUT	1944	172R	6	42	F	D,S
14AA1	ALFRED KNIGHT	1943	167R	6		F	D,S
15AA1	CHARLES HOLM	1940	168R	6	21	F	D,S
24AB1	MORRIS MITCHELL	1912	247R	6-4		F	D,S
24DC1	C. L. GARNER	1951	444	16	240	T	I
27CC1	BAKER AND HANSEN	1951	747	16	28	N	U
36DC1	WADE BAKER	1951	565R	16	230	T	I
11S 23E-							
1AA1	CARL BRONSON		44	4	40	C	D,S
1AB1	J. S. HANZEL		70R	4		J	D,S
1BA1	CHRIS ANDERSON	1920	226R	6	226	L	D,S
1BC1	DON LOVELAND	1947	65R	6	65	C	D,S
1CC1	EZRA BINGHAM		86	4	86	J	D,S
1CD1	ADOLPH KANOPP		39	4		J	D,S
1DD1	GARELD MARCHANT	1914	80R	6	80	C	D,S
2AB1	EVERETT GRIFFITHS	1949	94	6	94	L	D,S
2AD1	JAKE KANOPP	1937	196R	6		L	D,S
2BA1	W. L. GIBBS		84	4		C	D,S

Top of casing W side	0.0		9.6		5-17-52
Top of casing	-11.8	4,242.8	23.2	4,231.4	5-17-52
Land surface	0.0		47.0		12 -14
Top of casing, NW side	-5.7		149.1		10-21-52
Bottom of pump base, SW side	-6.0		26.9		10-21-52
Top of casing, N side	-7.1		28.5		10-21-52
Land surface	0.0		40		Fall-43
do	0.0		155		-46
do	0.0		205		10-21-52
Upper surface of well seal	-5.7		137.0		10-22-52
Land surface	0.0		280		-50
Top of casing, N side	-5.0		159.4		10-23-52
Land surface	0.0		168		-43
do	0.0		150		10-23-52
Top of casing, E side	-6.7		140.5		10-22-52
Top of casing, W side	-5.0		148.3		10-22-52
Top of casing, SE side	-6.0		138.7		10-22-52
do	-7.0		129.8		10-22-52
Top of casing, SW side	-5.4		125.6		10-23-52
Upper surface of well seal	-6.3		254.7		10-22-52
Land surface	0.0		155		Fall -37
Top of casing, NW side	0.3		121.5		10-30-52
Land surface	0.0		137		Spring -44
do	0.0		137		-43
do	0.0		150		-40
do	0.0		220		Summer -50
do	0.0		305		6 -51
Top of concrete platform	0.5		318.1		6-13-52
Land surface	0.0		305		9 -51
Top of casing, E side	-6.0	4,200.4	13.5	4,192.9	7- 7-52
Top of casing, W side	-3.2	4,198.6	8.9	4,192.9	7-12-52
Land surface	0.0	4,204.2	160	4,044	7-14-52
Top of casing, E side	0.3	4,207.4	9.3	4,197.8	7-12-52
Top of casing, S side	-4.6	4,210.3	8.3	4,206.6	7-12-52
Top of 2 X 12-inch plank	-4.3	4,207.4	7.5	4,204.2	7-14-52
Land surface	0.0	4,213.2	12	4,201	7- 7-52
Top of casing, W side	0.0	4,204.8	11.5	4,193.3	7-21-52
Land surface	0.0	4,208.9			
Top of casing, SE side	-5.3	4,200.4	11.6	4,194.1	7-21-52

TABLE 2 — CONTINUED

11S 23E-							
8BB1	ELDON BERRY		18	6		C	D,S
2CC1	TERESA BANNER	1908	22	48	20	C	S
2CC2	DO	1927		4		J	D,S
3AA1	FRANK PACE	1907	60	5	60	C	D,S
3AB1	BERT WOLFE & SON	1933	86	18	86	T	I
3AD2	DO	1940	410R	8-4	410	L	D,S
3BC1	DON KNIGHT		37	4		J	D,S
3CB1	LEROY SIMMONSON			4		J	D,S
3DA1	BERT WOLFE & SON		69	6		C	D,S
3DD1	UNITY WARD, LDS CHURCH	1951	40R	12	40	J	PS
4AA1	CECIL WILLIAMS		38	4		J	D,S
4DA1	H. C. HALL	1915	125R	6		J	D,S
4DC1	JACK CHURCH	1920	65R	6		J	D,S
4DD1	MRS. BERTHA MAYHUGH	1918	35R	6		J	D,S
5BC1	GILBERT ARBON		40R	6		J	D,S
6AA1	L. F. GILLETT	1912	64R	6	25	J	D,S
6DA1	BLAINE EGAN		46	6		J	D,S
6DC1	D. M. BAGGETT	1951	255	8-6		ST	D,S
6DD1	DO		80R	4		F	D,S
7AD1	FRANK KEICHER		200R	6		ST	D,S
7DA1	S. M. BINGHAM	1920	194	6		F	D,S
7DD1	W. R. GIERISCH	1920	55R	6	55	L	D
8AB1	REX WATERSON	1910	194	6		N	U
8AB2	DO	1945	63R	6	63	J	D,S
8AD1	M. E. CLAYVILLE	1910	360R	6		F	D,S
8BA1	GRANT DUNFORD	1920	70R	4	12	J	D,S
9BA1	G. R. CONGLETON	1928	50	4		L	U
9BB1	BROWN ROBERTS		65R	6		J	D,S
9BC1	G. R. CONGLETON	1917	320R	6	320	F	D,S
9CB1	ADONIS H. NEILSON	1940	172	6		F	D,S
9CC1	EARL HEWARD		90R	6		J	D,S
9DA1	AUBREY POWERS			4		J	D,S
10BB1	M. M. HINDS		42R			L	D,S
10BC1	ROY KELLY		60R	6		L	D,S
10CB1	LOWELL HUNT		340R	8		L	D,S
10CC1	E. V. REED		45			L	D,S
11AA1	CHARLES KUNZLER			6		C	D,S
11CB1	L. E. HARRIS	1938	32	4		C	D,S
11CB2	OPAL MORTON	1951	50R	6	50	J	D,S
12AA1	STEPHAN ELLIS	1920				F	D,S
12AB1	ETHAN CLARK	1931	40R	6	40	J	D,S
12CB1	MRS. R. J. BURKE		26	6	26	C	D,S
12CB1	JAMES TEGAN		60R	6		J	D,S
12DD1	JOHN REYNOLDS	1947	49	6	49	C	D,S
13AA1	ALFRED CRANE, JR.		43	6		C	D,S
13AD1	DAVID MILLARD		50R	5	50	L	D,S

TOP OF CASING	-6.5	4,197.7	13.0	4,191.2	7-22-52
TOP OF CONCRETE FLOOR, W SIDE	-6.4	4,205.9	15.0	4,197.3	7-22-52
LAND SURFACE	0.0	4,212.5	8	4,204	7-22-52
TOP OF CASING, W SIDE	-6.0	4,198.6	13.9	4,190.7	7-22-52
DO	0.5	4,207.5	11.0	4,196.0	7-22-52
LAND SURFACE	0.0	4,205.8	285	3,921	7-22-52
TOP OF CASING	-3.7	4,200.7	18.6	4,185.8	9-11-52
LAND SURFACE	0.0	4,209.9			
TOP OF CASING, E SIDE	-5.4	4,200.5	10.9	4,195.0	7-22-52
HOLE IN CASING COVER, S SIDE	-4.7	4,204.8	11.2	4,198.3	7-22-52
TOP OF CASING	-9.5	4,193.5	20.7	4,182.3	9-11-52
LAND SURFACE	0.0	4,209.0	30	4,179	9-11-52
BOTTOM OF PUMP BASE	-5.2	4,211.0	25.7	4,190.5	10-24-52
TOP OF CASING	-6		28		10-24-52
LAND SURFACE	0.0		35		FALL-52
DO	0.0		29		FALL-50
BOTTOM OF PUMP BASE	-5.0	4,210.2	38.3	4,276.9	10-31-52
TOP OF WELL COVER	-5.2	4,206.3	74.8	4,136.7	10-31-52
LAND SURFACE	0.0		35		10-31-52
DO	0.0		150		12 -51
TOP OF CASING, W SIDE	-6.2		85.9		10-30-52
BOTTOM OF PUMP BASE	0.2		37.6		10-30-52
TOP OF CASING, W SIDE	-5.0	4,217.2	157.1	4,065.1	10-24-52
LAND SURFACE	0.0		30		-45
TOP OF CASING	-8.0		206		FALL-50
LAND SURFACE	0.0		20		FALL-52
TOP OF CASING, W SIDE	0.8	4,219.3	28.0	4,190.5	10-24-52
LAND SURFACE	0.0		24		SUMMER-47
DO	0.0		210		10-24-52
TOP OF CASING, NE SIDE	-6.5	4,217.8	157.9	4,066.4	10-24-52
TOP OF CASING	-6.2		38		8 -52
LAND SURFACE	0.0	4,220.8			
TOP OF PUMP PLATFORM	1.0	4,216.6	32.2	4,183.4	9-11-52
TOP OF CASING, S SIDE	-5.9	4,212.5	22.0	4,196.4	9-11-52
LAND SURFACE	0.0	4,219.7			
BOTTOM OF PUMP BASE	0.7	4,221.9	27.4	4,194.5	9- 9-52
TOP OF WOODEN FLOOR	-3.0	4,208.8	5.2	4,206.6	7-22-52
TOP OF CASING	-4.5	4,209.0	7.2	4,206.3	7-22-52
TOP OF CASING, W SIDE	-5.5	4,209.3	8.5	4,206.3	7-22-52
LAND SURFACE	0.0	4,213.1	15	4,198	7-14-52
LAND SURFACE	0.0	4,212.8	10	4,203	7-14-52
TOP OF CASING, S SIDE	-3.3	4,215.3	8.5	4,210.1	7-14-52
LAND SURFACE	0.0	4,217.9			
TOP OF CASING, W SIDE	-4.2	4,212.4	8.0	4,208.6	7-15-52
TOP OF CASING, E SIDE	-5.7	4,212.0	7.9	4,209.8	7-11-52
LAND SURFACE	0.0	4,221.5	30	4,192	7-11-52

TABLE 2 -- CONTINUED

11S 23E-							
13BA1	H. V. LUKE		45R	6	42	J	D,S
13BC1	HAROLD FOWLER	1942	65R	6	65	J	D,S
13CC1	W. C. JOHNSON	1946	57R	6	57	J	D,S
13CD1	L. L. LOWDER	1942	49	6	49	J	D,S
13DA1	J. C. GIBBS		60R	48		J	D,S
13DC1	ROBERT LOWDER	1942	50R	6	50	J	D,S
13DD1	D. S. MOFFETT	1942	55R			J	D,S
14AD1	HYPOTHECK LAND CO.		65R	6		J	D,S
14BB1	RONALD TINSLEY			6		J	D,S
14CB1	LEVI HALFORD	1944	55	4		J	D,S
15AA1	MYRTLE FOWLER			6		J	D,S
15BA1	LEWIS FREYMILLER		47	6	47	L	D,S
15CB1	MITCHELL			4		L	D
15DD1	BAUGH		71	14		T	I
15DD2	DO		450R	6-4		N	U
16BC1	MRS. W. A. RICHINS	1925	87R	6		F	D,S
16CC1	L. L. EARLE	1944	200R	6		F	D,S
17AB1	CECIL TONER		35	6		L	U
17DD1	REX EARLE		168	6		F	D,S
18AB1	SPENCER BINGHAM		300B	4		F	D,S
19AB1	NIGEL H. CAMPBELL	1928	325R	6		F	D,S
20AB1	S. H. KUNAU	1912	280R	6	250	F	D,S
20CD1	NEWELL P. BAKER & SONS	1952	270R	21	97	N	I
21BD1	RICHARD ROMBACH	1925	313R	6-4	270	F	D,S
21CC1	DO	1930	45	12-8	25	N	U
22BB1	A. T. GEE		192R	6	90	L	D,S
22CB1	JPHERSHISNICK		90			N	U
22CB2	DO		320R	6-4		L	D,S
22DA1	WADE SMITH		171R	6		L	D,S
23BB1	FRANK FOWLER		360R	6		L	D
24BB1	ROBERT M. BRONSON	1942	53R	6	53	J	D,S
25AB1	W. WRIGGLEY		200R	6		L	D
25CC1	W. A. BUNN		174	8		L	D
25DA1	OTIS ORTON		365R	6		L	U
25DD1	W. A. BUNN	1939	123R			L	D,S
26DA1	SAM ROBINSON		78			L	D
27AA1	JOHN W. TAYLOR		325R	6		L	D,S
27AB1	J. W. PATTERSON	1914	360R			L	D,S
27CB1	HYPOTHECK LAND CO.	1920	60R	6		J	D,S
28CD1	NEWELL P. BAKER					T	I
28DB1	R. D. GUZMAN	1951	488	16	270	T	I
29BC1	HAL MATTHEWS	1951	450	14	80	T	I
32AB1	ROLAND SMITH	1952	545	16	212	T	I
32BC1	DO					T	I
32CD1	DO	1951	480R	16	360	T	I
33BC1	VICTOR SMITH	1952	463	22-16	240	T	I
33CC1	DO	1951	462	20	64	T	I

LAND SURFACE	0.0	4,218.7	20	4,199	7-14-52
DO	0.0	4,224.0			
DO	0.0	4,231.1	35	4,196	7-15-52
TOP OF CASING, SW SIDE	-5.4	4,224.5	33.7	4,196.2	7-15-52
LAND SURFACE	0.0	4,222.6	22	4,201	7-11-52
DO	0.0	4,225.4	35	4,190	7-15-52
DO	0.0	4,224.8	40	4,185	7-11-52
DO	0.0	4,224.3	15	4,209	7-14-52
TOP OF CASING, W SIDE	1.0	4,218.6	8.8	4,208.8	9-20-52
TOP OF CASING, S SIDE	-5.4	4,222.4	23.6	4,204.2	9-10-52
TOP OF CASING, E SIDE	0.0		9.8		9-10-52
HOLE IN PUMP BASE	0.0	4,216.4	18.5	4,197.9	9-10-52
TOP OF CASING, N SIDE	0.0	4,230.5	28.2	4,202.3	9- 8-52
LAND SURFACE	0.0		30		FALL-48
DO	0.0		160		10-29-52
TOP OF 1 X 12-INCH PLANK	0.5	4,228.0	32.4	4,195.1	10-24-52
HOLE IN S SIDE OF PUMP BASE	-5.9	4,231.6	159.7	4,077.8	10-29-52
LAND SURFACE	0.0		235		10-29-52
TOP OF CASING, W SIDE	-6.5		136.5		10-29-52
LAND SURFACE	0.0		230		9-10-52
DO	0.0		288		10-29-52
TOP OF CASING, N SIDE	0.0		39.0		10-29-52
TAP HOLE IN PUMP BASE	0.0	4,230.4	158.8	4,071.6	9- 9-52
TOP OF WOODEN PLATFORM	0.5	4,240.5	34.9	4,205.1	9- 9-52
LAND SURFACE	0.0	4,237.1			
DO	0.0		140		9- 8-52
TOP OF CASING, W SIDE	-5.0		32.8		7-14-52
TOP OF CASING, N SIDE	0.5	4,237.6	115.4	4,121.7	9- 8-52
TOP OF CASING, E SIDE	0.5	4,247.7	122.1	4,125.1	9- 8-52
TOP OF CASING, N SIDE	0.3	4,250.2	144.6	4,105.3	9- 8-52
LAND SURFACE	0.0		107		9- 8-52
TOP OF PUMP PLATFORM	-5.0	4,242.9	50.5	4,197.4	9- 8-52
LAND SURFACE	0.0		240		9- 9-52
DO	0.0		40		9-13-52
LAND SURFACE	0.0		275		10-24-51
DO	0.0		282		10-21-51
DO	0.0		290		4 -52
LAND SURFACE	0.0		305		-51
LAND SURFACE	0.0		288		3 -52
HOLE IN N SIDE OF PUMP BASE	2.0		299.6		6-11-52

TABLE 2 — CONTINUED

11S 23E-							
34CD1	NEWELL P. BAKER		-	16	325	T	I
11S 24E-							
1BB1	W. L. RICHARDSON	1927	86R	6		J	D,S
1BC1	R. W. FEWKES	1947	78	6		L	S
2AA1	H. W. MAGGART	1912	60R	6		J	D,S
2CC1	C. H. PHILLIPS	1942	75R	6		J	D,S
2CD1	R. L. STEVENS	1914	100R	6	100	J	D,S
2DA1	CARL A RASSMUSSEN	1951	95	8	94	F	I
2DA2	DO	1951	77	6	70	L	D,S
2DA3	DO	1929	88	4	88	N	U
3AD1	EMMA PRESTON		26	4		J	D,S
3BA1	DO			6		C	D,S
3BB1	FRANK BAGBY			6		J	D,S
3CC1	O. W. RICHINS	1940					D,S
3CC2	LEROY DARRINGTON	1947	33R	6	33	C	D,S
3DC1	D. DARRINGTON	1948	83R	6		J	D,S
3DC2	MELVIN DARRINGTON	1947	100R	6		J	D,S
4AD1	ETHEL GUMMERSON	1934	81	16	14	T	I
4BB1	E. R. KELSEY		72R	6	16	C	D,S
4CB1	HARRY BERG		47	6		C	D,S
4CC1	GUS BERG	1912	218R	6-4	60	L	D,S
4DD1	CHARLOTTE WEEKS	1940		6		C	D
5AA1	KEITH CHADWICK	1920	43	6	30	C	D,S
5AD1	MRS. MANNING		37	6		C	D,S
5AD2	DO	1933	52	6	35	C	D,S
5BB1	ALTA CHADWICK		60R	6	14	C	D,S
5BC1	L. M. CARDON	1917	85R	6		J	D,S
5CB1	DO	1937	22	6	12	J	D,S
5CD1	C. M. MANNING	1942	32R	4	32	J	D,S
5DD1	CHARLES CHADWICK		16R	7	16	C	D,S
5DD2	DO	1935	22	6	22	C	D,S
6AA1	J. W. SIMONSON	1937	47R	6	37	J	D,S
6AB1	HARVEY FREESTONE	1919	33	6		N	U
6AB2	DO	1944	61R	6	51	J	D,S
6AD1	RALPH WEST	1924	125R	6	70	J	D,S
6BA1	SPRINGDALE SCHOOL	1932	200R	8	200	L	PS
6BB1	LORIN LEWIS		43	4		C	D,S
6CC1	H. S. MARCHANT	1944	220R	6-4	220	L	D,S
6DC1	DO	1948	208R	6-4	208	L	D
6DD1	H. E. WEISEL	1910	50R	5	50	J	D,S
7AD1	A. H. YOST	1941	72R	6	60	C	D,S
7BA1	GEORGE W. FAIRCHILD	1946	38	4	38	C	D,S
7BB1	ADOLPH KNOPP	1941	29	6	26	L	D,S
8CB1	BURLEY IRR. DIST	1941	54	18	54	T	I
7CD1	ORVEL THOMPSON		39	6		C	D,S

TOP OF CASING	1.0		290.0		6 -6-52
LAND SURFACE	0.0	4,256.9	36	4,221	6-16-50
TOP OF CASING	0.6	4,258.1	35.7	4,221.8	5-19-52
LAND SURFACE	0.0	4,248.8	22	4,227	5-19-52
DO	0.0		20		6-21-52
DO	0.0		20		6-21-52
TOP OF CASING	0.1	4,283.9	66.8	4,217.0	9-20-51
			73.3	4,210.5	5-19-52
DO	-3.5	4,265.2	51.4	4,217.3	5-19-52
TOP OF WOODEN COVER	0.0	4,265.6	50.5	4,215.1	5-19-52
TOP OF CASING	-4.5		11.3		6-25-52
LAND SURFACE	0.0	4,212.3	10	4,202	6-28-52
DO	0.0	4,224.0			
TOP OF HOLE IN WOODEN PLUG	0.7	4,222.2	5.5	4,216.0	6-26-52
LAND SURFACE	0.0		18		6-21-52
HOLE IN E SIDE OF PUMP BASE	1.4	4,216.4	11.8	4,203.2	9-20-51
			15.9	4,199.1	6-28-52
LAND SURFACE	0.0	4,208.7	15	4,194	6-26-52
TOP OF CASING	0.1		6.7		6-25-52
TOP OF CASING, E SIDE	-3.4	4,205.5	8.8	4,200.1	6-26-52
LAND SURFACE	0.0	4,222.8			
TOP OF CASING	0.4	4,209.0	17.0	4,191.6	6-27-52
DO	-7.0	4,201.6	14.1	4,194.5	6-25-52
TOP OF CASING, W SIDE	-5.0	4,203.3	9.7	4,198.6	6-25-52
TOP OF CASING	0.0	4,210.7	17	4,194	SPRING-46
LAND SURFACE	0.0	4,211.4			
TOP OF CASING	-5.8	4,195.4	FLOWING		6-30-52
LAND SURFACE	0.0		16		6-30-52
TOP OF CASING	-1.3	4,204.7	3.7	4,202.3	6-26-52
TOP OF CASING, NE SIDE	-1.8	4,206.2	5.3	4,202.7	6-30-52
LAND SURFACE	0.0	4,201.3	30	4,171	6-30-52
TOP OF CASING	0.0	4,202.5	12.9	4,189.6	7- 3-52
LAND SURFACE	0.0	4,202.4	15	4,187	7- 3-52
DO	0.0	4,209.6	30	4,180	6-30-52
DO	0.0	4,204.0			
TOP OF CASING, E SIDE	-4.2		12.2		7- 3-52
LAND SURFACE	0.0	4,212.2	100	4,112	7- 3-52
DO	0.0	4,209.3	100	4,109	7- 3-52
TOP OF CASING, N SIDE	-4.5	4,205.5	11.5	4,198.5	6-30-52
LAND SURFACE	0.0	4,211.7	6	4,206	6-30-52
TOP OF CASING, S SIDE	-2.5	4,208.4	6.9	4,204.0	7- 3-52
TOP OF WOODEN PLATFORM,	2.0	4,213.8	5.8	4,206.0	9-20-51
SW SIDE			7.5	4,204.3	7- 7-52
TOP OF CASING	0.0	4,210.5	2.3	4,208.2	1- 6-41
DO	-3.0		9.6		7-11-52

TABLE 2 -- CONTINUED

11S 24E-							
8AA1	IRVIN CRAYTHORN	1945	48	6	30	L	D,S
8BA1	C. M. MANNING	1915	37R	6	32	J	D,S
8BC1	MRS. LEO CLAYTON	1932	18	8		C	D,S
8CB1	MRS. J. W. BAKER	1927	68R	4	68	J	D,S
8CD1	BURLEY IRR DIST.	1937	90R	16	90	T	I
8CD2	CAROLINA JOHNSON	1912	60R	6	60	C	D,S
9AB1	W. F. RICHINS	1945	22R	6	22	F	D,S
9AD1	ARTHUR ANTHON	1916	40	6	40	C	D,S
9BA1	W. C. BROWN	1920	40R	4		J	D,S
9BB1	FRANK L. MANNING	1919	53R	4	48	C	D,S
9CB1	LELAND WOODBURY			6		J	D,S
9CC1	DO	1931	22	6	22	L	U
9DA1	WILLIAM DARRINGTON	1912	80R	6	75	J	D,S
9DC1	Q. G. STEVENSON	1949	53R	6	53	C	D,S
9DD1	FRED STIENS	1933	72R	6	60	J	D,S
10BB1	FRED DARRINGTON	1920	45	6		J	D
10BC1	CLARK DARRINGTON	1914	174R	6	74	N	U
10CB1	J. H. DARRINGTON	1940	60R	6	30	J	D,S
10CC1	ARNOLD BUNN	1914	90R			J	D,S
11AA1			104	6		J	S
11BA1	B. P. FILLMORE	1937	35	4	35	J	D,S
15BB1	J. F. WOLF	1910	93R	6	93	J	D,S
15DD1	MRS. EMMA ATWOOD	1945	188R	6		L	D,S
16AB1	MRS. AMIE STEVENSON	1921	30R	6	30	J	D,S
16CB1	G. W. SIZEMOORE	1915	365R	6	365	L	D,S
17AA1	GEORGE WOODALL	1910	51	4		C	D,S
17AB1	J. B. GOETTSCHE	1923				J	D,S
17AD1	LOUIS WOODALL	1940	27	6	26	L	D,S
17BC1	MILTON PAYNE	1944	50R	4	50	C	D,S
17CB1	DO	1910	57	6	57	N	U
17CC1	H. W. BLAUER	1935	55R	6	55	J	D,S
17CD1	DO			4		L	D,S
17DA1	LESTER J. GRUWELL		65R	6	65	T	D,S
17DD1	VICTOR SMITH	1911	238R	6-4	238	L	D,S
18AD1	DON CAWOS ASHER	1942	56R	6	56	J	D,S
18BC1	ALFRED GLESEMANN			4		F	D,S
18CC1	H. L. ADAMS	1922		4		L	D,S
18CD1	DO	1910	275R	5		N	U
18CD2	LYLE ADAMS		50R	6		J	D,S
18CD3	H. L. ADAMS	1942	60R	6	60	J	D,S
18DA1	H. O. RASSMUSSEN	1946	112R	6	112	J	D,S
18DC1	R. E. SMEDLEY		47	6		J	D,S
18DC2	ZINA COLEMAN	1948	47	6		L	U
18DD1	H. W. BLAUER	1910	63	48	55	L	U
19AA1	E. E. ANDERSON	1938	65R	6	65	J	D,S
19AD1	ERNEST GREEN		65R	4	65	L	D,S

TOP OF CASING, W SIDE	0.4	4,206.6	2.5	4,203.7	6-26-52
LAND SURFACE	0.0		14		6-30-52
TOP OF CASING, S SIDE	0.0	4,211.6	6.0	4,205.6	7- 3-52
LAND SURFACE	0.0	4,212.5	8	4,204	6-30-52
TOP OF SMALL PIPE	1.1	4,214.0	4.6	4,208.3	3- 8-37
LAND SURFACE	0.0		12		7- 1-52
DO	0.0		8		6-26-52
TOP OF CASING, E SIDE	0.0	4,230.7	7.4	4,223.3	6-25-52
LAND SURFACE	0.0	4,216.7	20	4,197	6-26-52
TOP OF CASING, N SIDE	-2.0	4,205.4	3.9	4,203.5	6-26-52
TOP OF CASING, W SIDE	-3.0	4,211.0	5.0	4,209.0	6-26-52
TOP OF CASING, N SIDE	0.3	4,216.2	7.7	4,208.2	6-26-52
DO	-4.9		18.2		6-24-52
LAND SURFACE	0.0	4,238.6	12	4,227	7- 1-52
TOP OF CASING	0.0	4,227.8	5.0	4,222.8	6-24-52
TOP OF CASING, E SIDE	-4.4	4,232.7	11.1	4,226.0	6-24-52
TOP OF WOODEN PLATFORM, S SIDE	1.0	4,251.5	23.0	4,227.5	6-24-52
TOP OF CASING	-11.8		74.4		5-28-52
TOP OF CASING, E SIDE	-5.0		17.0		7- 9-52
LAND SURFACE	0.0	4,260.0	22	4,238	7- 1-52
DO	0.0		180		5-28-52
DO	0.0	4,239.1	14	4,225	7- 1-52
DO	0.0	4,231.4	92	4,139	6-26-52
TOP OF CASING, W SIDE	-4.0		9.5		7- 1-52
LAND SURFACE	0.0		5		7- 1-52
TOP OF WOODEN COVER	0.8	4,220.0	3.7	4,215.5	6-26-52
TOP OF CONCRETE PIPE, N SIDE	-5.0	4,215.0	10.3	4,209.7	7- 3-52
TOP OF CASING, S SIDE	-4.6	4,219.8	14.8	4,209.6	7- 1-52
LAND SURFACE	0.0	4,225.2	36	4,189	7- 1-52
TOP OF CASING, N SIDE	1.5	4,222.4	19.3	4,201.6	7- 2-52
TOP OF CASING	-6.0		9.4		9-20-51
LAND SURFACE	0.0	4,229.9	160	4,070	7- 8-52
DO	0.0	4,221.0	12	4,209	7- 3-52
DO	0.0	4,221.0			
TOP OF WOODEN PLATFORM, S SIDE	0.6	4,229.3	34.2	4,194.5	7-11-52
LAND SURFACE	0.0	4,226.4	150	4,076	7-12-52
DO	0.0	4,224.5	40	4,184	7-11-52
DO	0.0		40		7-11-52
DO	0.0	4,221.3	20	4,201	7- 1-52
DO	0.0	4,223.9			
TOP OF CASING, E SIDE	-6.0	4,219.0	25.8	4,199.2	7-11-52
LAND SURFACE	0.0	4,224.2	58	4,166	7- 9-52
DO	0.0	4,226.4	20	4,206	7-12-52
DO	0.0		18		7- 2-52

TABLE 2 — CONTINUED

11S 24E-							
20AA1	TRUMAN L. BANNER	1919	188R	6	175	J	D,S
20AB1	MRS. EDITH ROSS	1911	44			F	D,S
20AB2	ALBERT E. WARREN	1940	75R	6	75	J	D,S
20BA1	LOYD WILKENSON			4		J	D,S
20BB1	H. W. BLAUER		60R			L	U
21BA1	FRANK H. WEEKS	1916	65R	6	65	C	D,S
21BD1	DO	1951	393	16	370	T	I
25AC1	EARL COBBLEY			6			U
30AA1	WALLACE BRENNER			6		ST	D
35AA1	MRS. AGNES KELLEY		203	6		L	U
11S 25E-							
11CB1	E. I. DEWEY	1920	256R	16		N	I
11DC1	DO	1917	460R	8		N	I
14AB1	BRIDGER		260R	6	260	N	I
12S 22E-							
5BC1	C. R. CAMPBELL	1952	450R	22	15	T	I
32CB1	WILLARD CRANNEY	1949	1,030	12-10	523	T	I
12S 23E-							
30DC1	ALBERT ANDERSON & SON	1951	938	12-10	502	N	I
30DC2	ANDERSON BROS.	1950	240	6	192		D
13S 22E-							
3BC1	W. B. WHITELEY	1949	555	12-8	300	T	I
7AA1	ALBERT ANDERSON & SON	1948	263	12	260	T	I
7AA2	RAY ANDERSON	1952	340R	14	265	T	I
8CA1	WOODHOUSE BROS.	1948	828	18-10	560	T	I
9AB1	FRED BEDKE	1952	327	14	327	T	I
9CB1	W. B. WHITELEY	1950	367	16-12	367	T	I
9DC1	CRANE		112	52		N	O
9DD1	JESSE BEDKE	1950	360	14-12	360	T	I
15CB1	NELSON & TRUE, INC.	1952	319	14	319	T	I
15CC1	ENNIS MATTHEWS	1950	300	16-14	300	T	I
15CC2	DO	1902	82R			L	D
16CC1	SAVAGE & DENTON	1952	305	14	300	T	I
16DC1	NELSON & TRUE, INC.	1950	348	18-14	348	T	I
16DC2	DO	1949	317	16-12	314	T	I
16DD1	DO	1948	276	12-10	276	T	I
16DD2	DO	1948	270	8	83		D
17DC1	EUGENE PICKETT	1950	305R	12	305	T	I
20CC1	ORVILLE ADAMS	1949	260	12-10	260	T	I
20CD1	J. T. ROBINSON	1949	263	12	263	T	I
20CD2	DO	1949	180	12		T	I
21CD1	THOMAS MABEY	1948	205R	12-10	205	T	I
21DC1	LEWIS R. CRITCHFIELD	1948	226R	10	226	T	I
29BC1	JESSE BEDKE		80R	36		T	I
28CA1	CARL MCBRIDE	1926		5		N	U

LAND SURFACE	0.0	4,231.1	38	4,193.	7- 8-52
TOP OF WOODEN PLATFORM	0.0	4,229.5	32.1	4,197.4	7- 8-52
LAND SURFACE	0.0		45		7- 8-52
TOP OF WOODEN PLATFORM	-4.6		21.2		7- 2-52
LAND SURFACE	0.0	4,225.5	20	4,205	7- 1-52
TOP OF CONCRETE PUMP BASE	1.5		259.6		6-21-52
TOP OF PUMP COLUMN	2.5		231.5		5-30-28
TOP OF CASING, E SIDE	-5.0	4,230.8	108.0	4,127.8	9- 8-52
TOP OF CASING, W SIDE	0.3		175.4		6-21-52
TOP OF CASING	-3.0		FLOWING		5-16-52
DO	1.0		FLOWING		5-16-52
DO	0.0		FLOWING		5-16-52
HOLE E SIDE OF PUMP BASE	2.0		354.3		6-13-52
LAND SURFACE	0.0		275		5 -49
LAND SURFACE	0.0		390		9 -51
DO	0.0		200		6 -50
TOP OF CASING, E SIDE	1.0		277.0		6- 7-52
LAND SURFACE	0.0		69		-48
DO	0.0		63		6 -52
DO	0.0		75		-48
TOP OF CASING	0.5		135.5		6- 5-52
LAND SURFACE	0.0		87		7-12-50
BASE OF BROKEN PUMP STAND	0.2		69.8		9-15-48
LAND SURFACE	0.0		75.5		5 -50
LAND SURFACE	0.0		100		6 -52
TOP OF WOODEN WELL COVER	0.5		24.0		FALL-21
			35.9		6-18-52
LAND SURFACE	0.0		49		6- 6-52
DO	0.0		31		8-31-50
DO	0.0		40		5-20-50
DO	0.0		43		6- 4-48
DO	0.0		46		4-20-48
DO	0.0		70		6 -50
DO	0.0		60		FALL-49
DO	0.0		35		2 -49
DO	0.0		40		SPRING-52
DO	0.0		35		SPRING-52
DO	0.0		27		SPRING-48
TOP OF PUMP SUPPORT, W SIDE	2.0		21.8		6- 7-52

TABLE 2 -- CONTINUED

13S 22E-							
28cd1	JESSE BEDKE	1949	255R	12	247	T	I
29cc2	EUGENE EMERY	1949	360R	12	194	N	U
31dc1	W. B. WHITELEY	1950	1,651	16-12	500	T	I
33ca1	BERNICE HOWELLS	1949	270R	10	270	T	I
33dd1	ENNIS MATTHEWS	1949	210	10	187	N	U
33dd2	DO	1949	243	12-10	243	T	I
35cd1	A. V. HEINER	1950	125R				D
13S 23E-							
4ca1	ALBERT ANDERSON AND SON	1948	380	16	80	T	I
4da2	DO		682	8		N	U
4dc1	DO		540R			N	U
4cd1	DO		423	12	234	N	U
7aa1	P. G. CLARK	1948	220	12	36	N	U
8ba1	CLARK, ELQUIST, & ANDERSON	1948	105	20	16	T	I
8ba2	DO	1948	72	18	19	N	U
8ba3	DO	1948	100	10	11	N	U
8ba4	DO	1948	110	12	28	N	U
32ba1	R. T. TAYLOR		80R	6	80	F	D,S
32da1	FRED BEDKE		105R	8	60	F	D,S
14S 23E-							
3dd1	BEDKE AND GORRINGE	1952	210	12	204	T	I
5ba1	JESSE BEDKE	1949	310	12	154	N	U

Top of casing, W side	1.0	66.6	6- 6-52
Top of casing cap, E side	1.7	25.4	9-18-51
Top of 12-inch casing	1.0	384.4	9-19-51
Land surface	0.0	23	-49
do	0.0	15	6-23-49
Top of 12-inch casing	0.0	15.2	6-18-52
Land surface	0.0	80	9-19-51
Bottom of pump base, N side	0.5	167.0	9-17-51
Top of 2 x 4-inch plank	0.0	133.3	6- 7-52
Top of casing	1.0	91.5	6- 7-52
do	1.0	137.6	6- 7-52
do	0.5	108.3	6-12-52
Land surface	0.0	16	4- 7-48
Slot in casing cap	-0.5	69.7	6-12-52
Land surface	0.0	14	3-20-48
do	0.0	20	4- 2-48
do	0.0	65	9-17-51
Top of hole in pump base	1.2	22.2	9-17-51
Land surface	0.0	42	4- 5-52
do	0.0	119.5	-49

WATER-LEVELS IN WELLS

10S 22E-21cc1. Henry Neiwert

Water levels, 1914, 1919-42, 1952

Date	Depth	Date	Depth	Date	Depth
Dec. 1914	16.8	Sept. 1927	5.6	Sept. 1936	6.3
Oct. 1919	4.4	Sept. 1928	6.1	Sept. 1937	6.9
Sept. 1920	1.0	Sept. 1929	5.6	Sept. 1938	6.9
Sept. 1921	1.1	Sept. 1930	5.9	Sept. 1939	6.7
Oct. 1922	6.9	Sept. 1931	6.2	Sept. 1940	5.8
Sept. 1923	6.8	Sept. 1932	5.4	Sept. 1941	2.7
Sept. 1924	9.4	Sept. 1933	5.8	Sept. 1942	4.8
Sept. 1925	4.8	Sept. 1934	11.4	Oct. 13, 1952	5.5
Sept. 1926	6.4	Sept. 1935	7.7	16	5.5

10S 23E-20cb1. City of Burley

Water levels, 1947-49

Date	Depth	Date	Depth	Date	Depth
June 25, 1947	13.7	Apr. 2, 1948	14.8	Sept. 1, 1948	15.4
Nov. 1	11.8	May 1	15.8	Oct. 2	11.8
Dec. 1	13.2	June 10	15.8	Nov. 2	12.6
Jan. 2, 1948	13.9	July 2	16.2	Dec. 1	13.3
Feb. 2	14.3	Aug 3	12.3	Jan. 4, 1949	13.5
Mar. 1	15.1				

10S 23E-20dc1. City of Burley

Water levels, 1947-52

1947

Date	Depth	Date	Depth	Date	Depth
Aug. 13	13.2	Nov. 1	13.0	Dec. 1	13.0
Oct. 1	13.8				

10S 23E-20dc1 -- CONTINUED

1948

JAN.	1	13.9	MAY	7	16.6	SEPT.	1	16.4
FEB.	2	14.5	JUNE	10	16.3	OCT.	2	16.9
MAR.	1	15.8	JULY	2	16.1	NOV.	2	12.0
APR.	2	16.0	AUG.	3	16.3	DEC.	1	12.8
MAY	1	17.0						

1949

JAN.	4	13.6	MAY	3	16.8	AUG.	1	16.0
FEB.	1	14.4	JUNE	1	13.9	SEPT.	1	13.7
MAR.	1	14.6	JULY	2	17.0	OCT.	1	13.8
APR.	1	15.9						

1950

JAN.	3	13.8	MAY	1	16.3	SEPT.	1	13.6
FEB.	1	14.1	JUNE	1	16.0	OCT.	2	12.1
MAR.	2	14.0	JULY	2	13.4	NOV.	1	12.0
APR.	1	15.1	AUG.	1	13.4	DEC.	1	12.8

1951

JAN.	2	13.5	MAY	1	15.3	SEPT.	1	12.0
FEB.	1	14.3	JUNE	4	19.2	OCT.	1	11.6
MAR.	1	14.6	JULY	3	13.8	NOV.	1	11.1
APR.	2	15.2	AUG.	22	13.8	DEC.	1	12.8

1952

JAN.	1	13.7	MAY	2	15.9	SEPT.	2	10.9
FEB.	1	14.3	JUNE	3	14.9	OCT.	1	10.9
MAR.	1	14.4	JULY	1	13.0	NOV.	1	11.2
APR.	1	15.0	AUG.	1	13.0	DEC.	1	12.1

10S 23E-20Dc3. City of Burley

Water levels, 1931, 1940, 1947-52

1931: Mar. 5, 202.

1940: Jan. 1, 199.

1947

Date	Depth	Date	Depth	Date	Depth
Aug. 13	200	Oct. 1	196	Oct. 3	196

1948

Mar. 11	189.4	July 2	204	Oct. 2	206
Apr. 2	194	Aug. 3	199	Nov. 2	209
May 1	194	Sept. 1	194	Dec. 1	184
June 10	194				

1949

Jan. 4	191	May 3	192	Aug. 1	191
Feb. 1	193	June 1	191	Sept. 1	190
Mar. 1	192	July 2	199	Oct. 1	191
Apr. 1	193				

1950

Jan. 3	196	May 1	192	Sept. 1	189
Feb. 1	194	June 1	192	Oct. 2	189
Mar. 2	194	July 2	189	Nov. 1	189
Apr. 1	192	Aug. 1	189	Dec. 1	186

1951

Jan. 2	189	May 1	187	Sept. 1	189
Feb. 1	189	June 4	190	Oct. 1	189
Mar. 1	186	July 3	189	Nov. 1	189
Apr. 2	187	Aug. 22	189	Dec. 1	189

10S 23E-20Dc3 -- Continued

1952

Jan. 3	189	June 3	189	Oct. 1	189
Feb. 1	189	July 1	190	Nov. 1	189
Mar. 1	189	Aug. 1	190	Dec. 1	189
May 2	189	Sept. 2	190		

10S 23E-20Dc5. City of Burley

Water levels, 1947-49

Date	Depth	Date	Depth	Date	Depth
Aug. 13, 1947	7.2	May 1, 1948	11.7	Sept. 1, 1948	A22.9
Feb. 2, 1948	9.6	June 10	10.5	Nov. 2	10.2
Mar. 1	10.6	July 2	A21.0	Dec. 1	10.5
Apr. 2	10.7	Aug. 3	A22.1	Jan. 4, 1948	11.5

A Pump operating at time of measurement.

10S 23E-29BA2. City of Burley

Water levels, 1944, 1947-49

Date	Depth	Date	Depth	Date	Depth
Aug. 24, 1944	11	Feb. 2, 1948	17.8	Aug. 3, 1948	14.4
Aug. 13, 1947	17.4	Mar. 1	18.8	Sept. 1	14.6
Oct. 3	14.0	Apr. 2	20.0	Oct. 2	15.8
Nov. 1	15.0	May 1	21.8	Nov. 2	17.4
Dec. 1	15.0	June 10	19.0	Dec. 1	18.4
Jan. 2, 1948	16.8	July 2	13.2	Jan. 4, 1949	19.6

10S 23E-33AD2. JANE R. ROBINSON

WATER LEVELS, 1920-1942, 1952

DATE	DEPTH	DATE	DEPTH	DATE	DEPTH
SEPT. 1920	2.3	SEPT. 1928	1.4	SEPT. 1936	5.2
SEPT. 1921	3.5	SEPT. 1929	6.2	SEPT. 1937	5.0
OCT. 1922	3.2	SEPT. 1930	6.0	SEPT. 1938	4.9
SEPT. 1923	2.3	SEPT. 1931	5.9	SEPT. 1939	5.0
SEPT. 1924	3.1	SEPT. 1932	5.0	SEPT. 1940	6.0
SEPT. 1925	2.0	SEPT. 1933	4.8	SEPT. 1941	5.5
SEPT. 1926	2.1	SEPT. 1934	6.8	SEPT. 1942	5.5
SEPT. 1927	1.8	SEPT. 1935	5.8	SEPT. 11, 1952	4.6

10S 23E-35BA1. NOEL H. ELQUIST

WATER LEVELS, 1922-24, 1928-36, 1952

DATE	DEPTH	DATE	DEPTH	DATE	DEPTH
OCT. 1922	41.4	SEPT. 1930	37.4	SEPT. 1934	40.2
SEPT. 1923	42.3	SEPT. 1931	37.3	SEPT. 1935	38.2
SEPT. 1924	39.6	SEPT. 1932	37.5	SEPT. 1936	37.5
SEPT. 1928	40.0	SEPT. 1933	37.6	JULY 21, 1952	45
SEPT. 1929	36.4				

10S 24E-23DA1. R. A. SANELL

WATER LEVELS, 1920-1942, 1952

DATE	DEPTH	ALTITUDE	DATE	DEPTH	ALTITUDE
SEPT. 1920	23.9	4,174.4	SEPT. 1932	21.1	4,177.2
SEPT. 1921	23.9	4,174.4	SEPT. 1933	20.3	4,178.0
OCT. 1922	23.3	4,175.0	SEPT. 1934	26.7	4,171.6
SEPT. 1923	22.1	4,176.2	SEPT. 1935	19.8	4,178.5
SEPT. 924	23.0	4,175.3	SEPT. 1936	18.9	4,179.4
SEPT. 1925	20.4	4,177.9	SEPT. 1937	19.9	4,178.4
SEPT. 1926	21.0	4,177.3	SEPT. 1938	19.0	4,179.3
SEPT. 1927	20.2	4,178.1	SEPT. 1939	19.5	4,178.8
SEPT. 1928	19.4	4,178.9	SEPT. 1940	20.5	4,177.8
SEPT. 1929	20.2	4,178.1	SEPT. 1941	20.3	4,178.0
SEPT. 1930	18.2	4,180.1	SEPT. 1942	20.3	4,178.0
SEPT. 1931	20.4	4,177.9	MAY 14, 1952	DRY	4,176

10S 24E-25AA1. A. D. BROWN

WATER LEVELS, 1914, 1919-25, 1927-42, 1952

DATE	DEPTH	ALTITUDE	DATE	DEPTH	ALTITUDE
DEC. 1914	20.3	4,195.4	SEPT. 1932	3.3	4,212.4
OCT. 1919	12.7	4,203.0	SEPT. 1933	4.2	4,211.5
SEPT. 1920	7.4	4,208.3	SEPT. 1934	11.3	4,204.4
SEPT. 1921	6.5	4,209.2	SEPT. 1935	3.8	4,211.9
OCT. 1922	7.4	4,208.3	SEPT. 1936	3.8	4,211.9
SEPT. 1923	7.5	4,210.2	SEPT. 1937	4.6	4,211.1
SEPT. 1924	7.8	4,207.9	SEPT. 1938	3.5	4,212.2
SEPT. 1925	6.3	4,209.4	SEPT. 1939	4.5	4,211.2
SEPT. 1927	5.6	4,210.1	SEPT. 1940	7.0	4,208.7
SEPT. 1928	3.6	4,212.1	SEPT. 1941	5.2	4,210.5
SEPT. 1929	5.8	4,209.9	SEPT. 1942	5.2	4,209.9
SEPT. 1930	5.6	4,210.1	MAY 14, 1952	11.0	4,204.7
SEPT. 1931	6.0	4,209.7			

10S 24E-26DC1. JOHN BORTZ

WATER LEVELS, 1923-26, 1928-30, 1952

DATE	DEPTH	ALTITUDE	DATE	DEPTH	ALTITUDE
SEPT. 1923	15.6	4,199.8	SEPT. 1928	13.4	4,202.0
SEPT. 1924	18.2	4,197.2	SEPT. 1929	15.8	4,199.6
SEPT. 1925	16.6	4,198.8	SEPT. 1930	18.2	4,197.2
SEPT. 1926	16.6	4,198.8	MAY 16, 1952	12.7	4,202.7

10S 24E-33CD1. GLEN LOVELAND

WATER LEVELS, 1914, 1923-29, 1952

DATE	DEPTH	ALTITUDE	DATE	DEPTH	ALTITUDE
DEC. 1914	38.1	4,166.9	SEPT. 1927	9.6	4,195.4
SEPT. 1923	13.6	4,191.4	SEPT. 1928	8.4	4,196.6
SEPT. 1924	15.6	4,189.4	SEPT. 1929	8.1	4,196.9
SEPT. 1925	10.6	4,194.4	JUNE 26, 1952	11.5	4,193.5
SEPT. 1926	11.5	4,193.5			

10S 24E-35cc1. Robert Meade

Water levels, 1922, 1924, 1931, 1933-36, 1952

Date	Depth	Altitude	Date	Depth	Altitude
Oct. 1922	24.3	4,195.7	Sept. 1934	27.5	4,192.5
Sept. 1924	24.6	4,195.4	Sept. 1935	17.2	4,202.8
Sept. 1931	15.9	4,204.1	Sept. 1936	14.4	4,205.6
Sept. 1933	14.7	4,205.3	May 19, 1952	25.3	4,194.7

11S 23E-9bb1. Brown Roberts

Water levels, 1919-29

Date	Depth	Date	Depth	Date	Depth
Oct. 1919	45.0	Sept. 1923	40.7	Sept. 1927	35.7
Sept. 1920	47.5	Sept. 1924	41.0	Sept. 1928	36.0
Sept. 1921	45.0	Sept. 1925	36.8	Sept. 1929	37.2
Oct. 1922	39.9	Sept. 1926	36.6		

11S 23E-13aa1. Alfred Crane Jr.

Water levels, 1923-1942, 1952

Date	Depth	Altitude	Date	Depth	Altitude
Sept. 1923	16.5	4,201.2	Sept. 1934	6.8	4,210.9
Sept. 1924	13.5	4,204.2	Sept. 1935	3.9	4,213.8
Sept. 1925	12.8	4,204.9	Sept. 1936	5.5	4,212.2
Sept. 1926	13.2	4,204.5	Sept. 1937	5.6	4,212.1
Sept. 1927	11.3	4,206.4	Sept. 1938	5.4	4,212.3
Sept. 1928	9.3	4,208.4	Sept. 1939	6.0	4,211.7
Sept. 1929	8.2	4,209.5	Sept. 1940	8.2	4,209.5
Sept. 1930	7.3	4,210.4	Sept. 1941	7.7	4,210.0
Sept. 1931	6.5	4,211.2	Sept. 1942	8.4	4,209.3
Sept. 1932	6.9	4,210.8	July 11, 1952	7.9	4,209.8
Sept. 1933	5.4	4,212.3			

11S 23E-15BA1. Lewis Freymiller

Water levels, 1921-42, 1952

Date	Depth	Altitude	Date	Depth	Altitude
Sept. 1921	26.7	4,189.7	Sept. 1933	21.0	4,195.4
Oct. 1922	24.4	4,192.0	Sept. 1934	21.4	4,195.0
Sept. 1923	30.2	4,186.2	Sept. 1935	22.6	4,193.8
Sept. 1924	29.2	4,187.2	Sept. 1936	18.9	4,197.5
Sept. 1925	25.4	4,191.0	Sept. 1937	20.4	4,196.0
Sept. 1926	23.0	4,193.4	Sept. 1938	16.9	4,199.5
Sept. 1927	23.0	4,193.4	Sept. 1939	20.2	4,196.2
Sept. 1928	23.9	4,192.5	Sept. 1940	22.7	4,193.7
Sept. 1929	24.2	4,192.2	Sept. 1941	21.4	4,195.0
Sept. 1930	21.2	4,195.2	Sept. 1942	21.6	4,194.8
Sept. 1931	23.6	4,192.8	Sept. 10, 1952	18.5	4,197.9
Sept. 1932	20.3	4,196.1			

11S 24E-4881. E. R. Kelsey

Water levels, 1923-31, 1934-36

Date	Depth	Altitude	Date	Depth	Altitude
Sept. 1923	19.6	4,189.1	Sept. 1929	12.3	4,196.4
Sept. 1924	19.2	4,189.5	Sept. 1930	17.5	4,191.4
Sept. 1925	17.1	4,191.6	Sept. 1931	14.1	4,194.6
Sept. 1926	17.0	4,191.7	Sept. 1934	24.0	4,184.7
Sept. 1927	15.2	4,193.5	Sept. 1935	14.7	4,194.0
Sept. 1928	15.6	4,193.1	Sept. 1936	12.8	4,195.9

11S 24E-6AB1. Harvey Freestone

Water levels, 1919-42, 1952

Date	Depth	Altitude	Date	Depth	Altitude
Oct. 1919	24.6	4,177.9	Sept. 1932	10.9	4,191.6
Sept. 1920	20.9	4,181.6	Sept. 1933	9.1	4,193.4
Sept. 1921	16.4	4,186.1	Sept. 1934	17.4	4,185.1
Oct. 1922	21.1	4,131.4	Sept. 1935	11.5	4,191.0
Sept. 1923	14.6	4,187.9	Sept. 1936	9.5	4,193.0
Sept. 1924	15.1	4,187.4	Sept. 1937	10.1	4,192.4
Sept. 1925	14.2	4,188.3	Sept. 1938	11.4	4,191.1
Sept. 1926	12.2	4,190.3	Sept. 1939	10.7	4,191.8
Sept. 1927	11.9	4,190.6	Sept. 1940	12.4	4,190.1
Sept. 1928	10.9	4,191.6	Sept. 1941	11.0	4,191.5
Sept. 1929	10.0	4,192.5	Sept. 1942	11.4	4,191.1
Sept. 1930	10.4	4,192.1	July 3, 1952	12.9	4,189.6
Sept. 1931	11.2	4,191.3			

11S 24E-25AC1. Earl Cobbley

Water levels, 1928, 1951-52

Date	Depth	Date	Depth	Date	Depth
May 30, 1928	231.5	Sept. 20, 1951	203.6	June 21, 1952	204.45

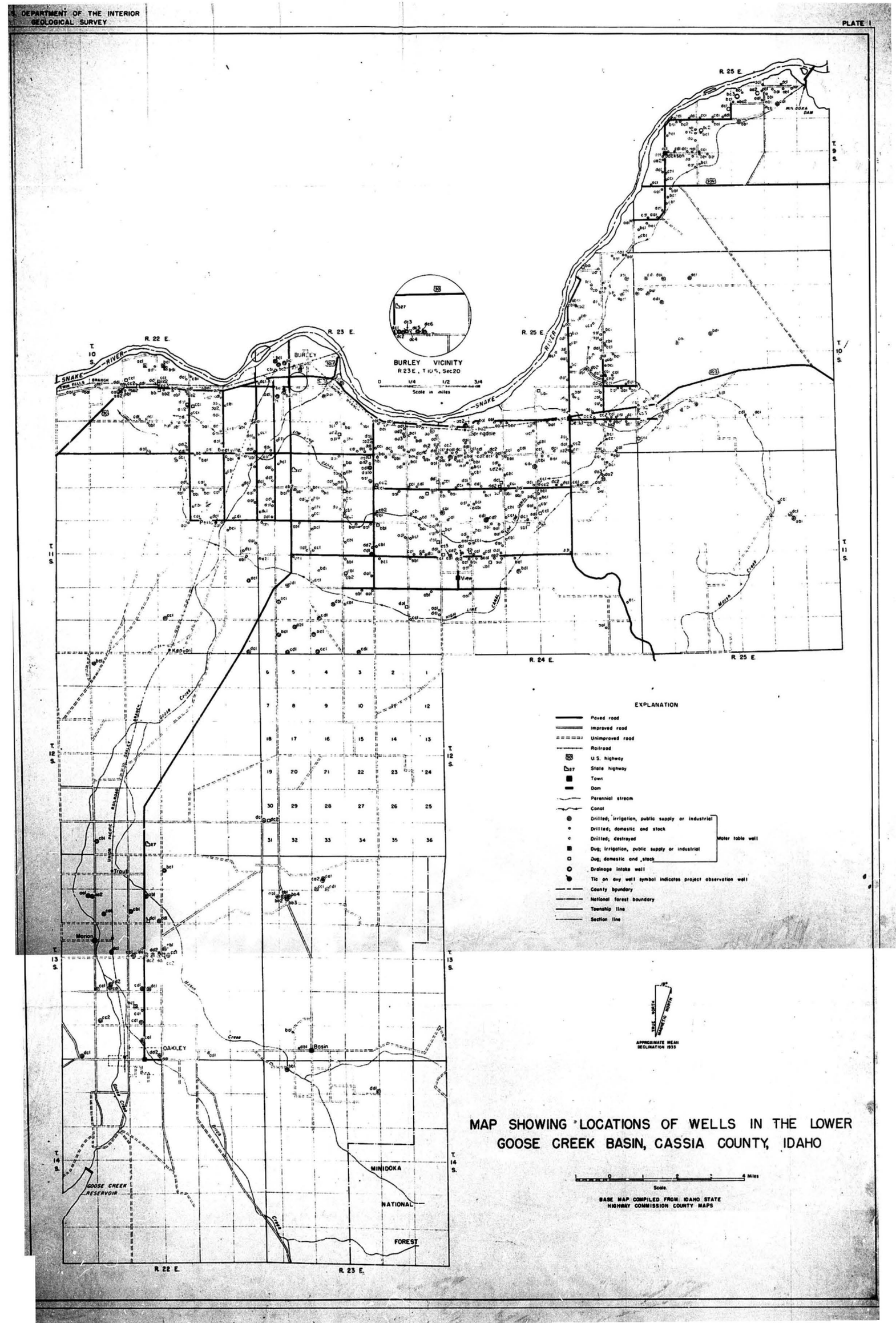
13S 22E-9DC1. Crane

Water levels, 1948-52

Date	Depth	Date	Depth	Depth	Depth
Sept. 15, 1948	69.8	Nov. 7, 1949	69.1	Aug. 28, 1951	63.1
25	69.8	Feb. 14, 1950	73.4	Sept. 18	62.3
Oct. 26	70.7	Mar. 20	75.5	Oct. 26	64.7
Dec. 23	73.4	Apr. 28	77.2	Jan. 10, 1952	72.7
Feb. 24, 1949	77.1	July 22	71.3	Mar. 3	75.4
Apr. 9	80.1	Sept. 8	64.5	Apr. 18	76.8
June 10	81.3	Dec. 20	67.0	June 5	71.4
Aug. 23	72.8	Feb. 15, 1951	69.1	Sept. 6	64.3
Sept. 17	69.5	Apr. 4	71.8	Nov. 3	71.3
29	69.0	June 26	67.6		

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLATE I



MAP SHOWING LOCATIONS OF WELLS IN THE LOWER GOOSE CREEK BASIN, CASSIA COUNTY, IDAHO

Scale

BASE MAP COMPILED FROM IDAHO STATE HIGHWAY COMMISSION COUNTY MAPS