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GEOLOGICAL SURVEY

A COMPILATION OF HYDROLOGIC DATA BEFORE AND DURING HIGHWAY
CONSTRUCTION IN PARTS OF TIJERAS CANYON, NEW MEXICO, 1972-1977

By J. D. Hudson

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English to metric unit conversion factors

In this report figures for measurements are given in English units only. The following table contains factors for converting to metric units.

<u>Multiply English units</u>	<u>By</u>	<u>To obtain metric units</u>
inch (in)	2.54	centimeter (cm)
foot (ft)	.3048	meter (m)
cubic foot (ft ³)	28.32	cubic decimeter (dm ³)
acre	.4047	hectare (ha)
mile (mi)	1.609	kilometer (km)
gallon (gal)	3.785	cubic decimeter (dm ³)

A COMPILATION OF HYDROLOGIC DATA BEFORE AND DURING HIGHWAY
CONSTRUCTION IN PARTS OF TIJERAS CANYON, NEW MEXICO, 1972-1977

By J. D. Hudson

Abstract

Tijeras Canyon is located at the eastern edge of Albuquerque, New Mexico and extends about 15 miles to the east. The canyon is the construction site of a new east-west interstate highway. This report contains surface and ground-water data collected prior to and during highway construction. Well and spring data from near the construction site are tabulated. Spring inflow in Tijeras Creek is shown. Water levels in selected wells are shown in hydrographs based on monthly measurements and continuous water-level measurements by recorders.

Introduction

Tijeras Canyon, a steep-walled canyon extending about 15 miles eastward from the eastern edge of Albuquerque (fig. 1), separates the Sandia and Manzano Mountains. The main east-west highway through New Mexico is located in the canyon.

Construction of a new interstate highway through the canyon started in 1974. Construction was scheduled in four separate but overlapping phases beginning at the east end of the canyon. The initial contract, involving about four miles of the upper portion of the canyon, was due to start in late 1972 but because of right-of-way acquisition problems was not started until July 1974 and was completed October 1976. The second contract, which joined the first on the west, was about four miles long. It was awarded in August 1975 and was completed in November 1977. The third contract, involving about three miles of construction, was awarded in July 1976; the fourth and final section was awarded in September 1976. The third and fourth segments of the construction have not been completed as of December 1977.

Because the highway construction involved large explosions, deep road cuts, and some channelizing of Tijeras Creek, documentation of any changes in the water resources of the area was needed.

This project, in cooperation with the New Mexico State Highway Department, was initiated in June 1972 for the purpose of collecting hydrologic data before and during highway construction. To establish the water-supply conditions in Tijeras Canyon prior to highway construction, wells and springs in the canyon were inventoried and ground-water-level data were collected beginning in June 1972. During construction of the highway, periodic ground-water-level measurements and surface-water discharge measurements have been made. This report presents the basic hydrologic data collected up to December 1977. No attempt has been made to analyze or interpret this data.

Scope of the program

Well inventory began in June 1972 and was intended to cover only wells within one-fourth mile of the new construction; however, well owners outside the project area would learn from neighbors about the inventory and would request that their well be included. The initial inventory included talking with each well owner about the construction of the well and general condition of each well and pump. A water sample was collected and stored for future analysis if water quality became an issue. A few people within the project area were not interested in the inventory and would not allow inspection of their wells, and some knew very little about their well. In such cases very little information is shown on the well-inventory tabulation for these wells (table 1). About 300 wells and five springs were visited during the initial phase of the inventory and about 40 wells have been drilled and inventoried since 1972. During 1975, most of the wells in the western half of the canyon were revisited in order to update the original inventory.

Water levels in about 35 wells, scattered throughout the canyon, were selected to be measured monthly. Three wells that had been abandoned due to right-of-way purchase and one well drilled by the New Mexico State Highway Department were equipped with continuous water-level recorders. Three of these recorder wells were vandalized and new wells had to be drilled nearby. In each case the replacement well was drilled close to the original well and finished in the same hydrologic unit, which made the data continuous and meaningful.

Well and spring numbering system

Wells and springs in this report are identified by a number based on their location. The first segment indicates the township north (N) or south (S) of the New Mexico baseline, the second segment indicates the range east (E) or west (W) of the New Mexico principal meridian, the third segment indicates the section within a township, and the fourth segment indicates the location within the section. The three digits in the fourth section indicate, respectively, the quarter section (about 160 acres), the quadrant (about 40 acres) of the quarter section, and the quadrant (about 10 acres) of the 40-acre tract in which the well is located. Where map accuracy permits, wells are located to five divisions; that is, the nearest 0.6 acre. Figure 2 shows the system of numbering quarter sections and quadrants, which is done in reading order, as well as the numbering of sections in a township. The letter designation following the fourth segment indicates the well was the second, third, or fourth (a, b, c) well located in that particular tract. The well in figure 2 is in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T.10 N., R.5 E. When a well cannot be located to the 10-acre tract, the remaining digit or digits are zeros.

Significance and presentation of data

Included in this report are tables of well-inventory data (table 1), hydrographs showing monthly depth to water in the observation wells (fig. 3), annual hydrographs showing depth to water in recorder-equipped wells (fig. 4), and daily tabulations of water levels in recorder-equipped wells (tables 2 through 8). The monthly depth-to-water measurements indicate seasonal and long-term effects of regional ground-water withdrawal, while the daily water levels show short-term effects and daily fluctuations.

In July 1975, the observation network was expanded to include four surface-water sections measured monthly in Tijeras Creek and the flow from four springs, also measured monthly, near a point where they discharge into Tijeras Creek. Figure 5 shows the location of the stream-section measurements, spring-discharge measurements, observation wells, and recorder-equipped wells.

There are also a number of springs that discharge into the creek in the form of seeps, mostly between the measurement sections A to C and F to H, as indicated in figure 5. In order to measure these seeps, a measurement was made in the creek above the seep area and another measurement below the seep area. The measurements are tabulated below. The difference in flow in Tijeras Creek above and below each seep is assumed to be the contribution of the seep to the flow in Tijeras Creek.

Tabulation of surface-water measurements, Tijeras Canyon Area

A. Tijeras Creek above mouth of Carlito Spring

Date	ft ³ /sec	gal/min
July 18, 1975	0.554	248.65
Aug. 7, 1975	.090	40.3
Sept. 15, 1975	.269	120.7
Oct. 9, 1975	.248	111.3
Nov. 18, 1975	.228	102.3
May 21, 1976	.180	80.7
Sept. 1, 1976	Dry	Dry

B. Carlito Spring at mouth

Date	ft ³ /sec	gal/min
July 18, 1975	0.456	204.7
Aug. 7, 1975	.170	76.3
Sept. 15, 1975	.144	64.6
Oct. 9, 1975	.076	34.1
Nov. 18, 1975	.069	31.0
Jan. 22, 1976	.127	57.0
Sept. 1, 1976	Estimated	1.0

C. Tijeras Creek below mouth of Carlito Spring

Date	ft ³ /sec	gal/min
July 8, 1975	1.006	451.5
July 18, 1975	1.202	539.4
Aug. 7, 1975	.228	102.3
Sept. 15, 1975	.380	170.6
Oct. 9, 1975	.182	81.6
Nov. 18, 1975	.248	111.3
Jan. 22, 1976	.973	436.7
Sept. 1, 1976	Dry	Dry

D. Brushy Spring at mouth

Date	ft ³ /sec	gal/min
July 9, 1975	0.224	100.5
Aug. 7, 1975	.170	76.3
Sept. 15, 1975	.127	57.0
Oct. 9, 1975	.090	40.4
Nov. 18, 1975	.083	37.3
Sept. 1, 1976	Dry	Dry

E. Culvert Spring at mouth

Date	ft ³ /sec	gal/min
July 9, 1975	-	13.3
Aug. 7, 1975	-	12.0
Sept. 16, 1975	-	7.5
Oct. 9, 1975	-	5.6
Nov. 18, 1975	-	5.4
Jan. 22, 1976	-	12.5
Sept. 1, 1976	-	5.2

F. Tijeras Creek above Seven Springs

Date	ft ³ /sec	gal/min
July 9, 1975	1.370	618.9
Oct. 9, 1975	.367	164.7
Nov. 18, 1975	.329	147.7

G. Seven Springs at mouth

Date	ft ³ /sec	gal/min
July 9, 1975	-	6.0
Aug. 7, 1975	-	9.2
Sept. 15, 1975	-	10.0
Oct. 9, 1975	-	10.0
Nov. 18, 1975	-	9.2
Jan. 22, 1976	-	10.0

H. Tijeras Creek below Seven Springs

Date	ft ³ /sec	gal/min
July 9, 1975	1.446	649.0
Oct. 9, 1975	.628	281.9
Nov. 18, 1975	.585	262.6
Jan. 22, 1976	1.548	694.8
May 21, 1976	.961	431.3

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico

Well depth: 70R indicates reported well depth of 70 feet below land surface.
 Water level: 25R indicates reported water level of 25 feet below land surface; *, additional water level measurements available at U. S. Geological Survey office in Albuquerque, New Mexico.
 Pump type: The following letters indicate the type of pump: J, jet; S, submersible; P, piston; T, turbine; N, none.
 Power type: The following letters indicate the source of power: E, electric; H, hand; W, wind; M, none.
 Use of well: The use of the water is indicated by the following symbols: D, domestic; Ind, industrial; Irr, irrigation; O, observation; S, stock; U, unused.
 Remarks: Remarks reflect conditions at time of well inventory during this study unless otherwise noted.

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
10W. 4E.25.31342	Spear Cross Ranch	1955	7	-	10.47	9-15-72	J	E	S-D	-
25.34111	C. H. Carder	1965	6	75	25R	12-1-72	J	E	D	Pipeline under creek to house
25.41344	John A. Garcia	1953	-	75	20.24*	9-15-72	J	E	D	Well supplies two houses; observation well
25.41431	Timmy Gutierrez	1954	-	90	29.12	9-15-72	-	E	D	-
25.41432	Roman Garcia	1957	-	110	-	-	J	E	D	Well in construction right-of-way
25.41441	Emiliano Vigil	1954	-	80	-	-	S	E	D	-
25.4222A	Chaves	-	-	-	-	-	-	-	D	Owner did not want well inspected; would give no information
25.42243	Augustin Herrera	1957	-	150	-	-	J	E	D	Supplies two houses
25.42243	Alvino Garcia	-	-	-	-	-	J	E	D	-
25.42323	Joseph D. Duran	1948	-	100	-	-	J	E	D	Well in construction right-of-way
25.42333	Daniel H. Garcia	-	-	65	-	-	J	E	D	Do.
25.43123A	Delfina Garcia	-	20	15	4.00	9-15-72	J	E	D	Dug well in creek bottom
25.43123	Bill Barnes	-	7	15	-	-	J	E	D	Do.
25.43212	Joe D. Herrera	1953	-	75	-	-	J	E	D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
25.43212A	Catholic Church	-	-	80	-	-	S	E	U	Casing and pump below land surface
25.43313	Fermin Garcia	1951	-	98	75R	9-15-72	S	E	D	Well supplies two houses
10M. 4E.25.43331	Filomena Garcia	1954	-	98	75R	9-15-72	S	E	D	Supplies two houses
10M. 4E.24.334	Fred C. Fach	-	-	105	97.57	8-30-72	S	E	M	Well supplies water system to houses in Echo Canyon
24.334A	Fred C. Fach	1972	7	210	115.68	8-30-72	S	F	M	Do.
24.343	V. Sacks	1968	-	149	-	-	S	E	D	-
25.1113	Fach Spring	-	-	-	flowing	-	N	F	U	Has concrete and rock crib; 3/4 inch pipe outlet
25.11231	Fred C. Fach	1946	6	90	60R	8-30-72	S	E	D	-
25.11242	Robert Critchfield	1969	4	160	40R	8-30-72	S	E	D	Casing and pump below land surface
25.11322	Fifer	-	-	100	-	-	S	E	D	Do
25.11343	Don Anshaugh	1968	6	88	-	-	S	E	D	Do.
25.1143B	T. O. Murray	-	9	99	77.23*	7-30-72	J	E	D	Observation well; supplies water to apartment house; sample analysed for nitrate
25.13131	Geo. Torres	1950	-	80	-	-	S	E	D	-
25.13134	Robert Jenkins	-	-	325	-	-	J	E	D	-
25.13233	Nick Garcia	1960	-	-	-	-	S	E	D	-
25.13323	W. F. Meyer	1950	-	65	-	-	S	E	D	Well casing below land surface
25.13331	Jacobito Garcia	-	-	80	36.63*	9-14-62	S	E	D	Observation well
10M. 4E.25.13333	Joe Padilla	1959	-	-	-	-	S	E	D	Owner knew nothing about well

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
25.13334	Crespin Garcia	-	-	80	-	-	P	H	D	-
25.13323	Andy Garcia	1960	-	80	-	-	S	E	D	Supplies three houses
25.1441	Fina Service Station	-	-	-	-	-	J	E	C	Well under concrete gas pump island; no access
25.23121	Rosendo Garcia	-	6	95	-	-	S	E	D	Casing and pump buried
25.23134	Domingo Garcia	1947	8	110	100R	8-30-72	J	E	D	Supplies three houses
25.23143	Leo Garcia	1955	12	100	-	-	S	E	D	Supplies four houses
25.23143	Ysidro Garcia	-	7	-	51.28	8-29-72	J	E	D	-
25.23221	Jo Lon Land Co.	1972	6	-	58.47	8-29-72	S	E	D	Plastic casing
25.23223	John Martinez	1965	6	80	-	-	S	E	D	-
25.23231	A. Lovato	1971	-	160	-	-	S	E	D	-
25.23343	Herman Garcia	1965	7	85	-	-	S	E	D	-
25.23432	Augustin Griego	-	6	65	-	-	P	H	D	-
25.23434	Tomas Garcia	-	-	82	-	-	P	H	D	-
25.23441	Andres Garcia	1955	9	100	33.55	9-13-72	J	E	D	Supplies two houses
25.23444	Manuel Griego	1954	10	54	21.92	9-13-72	P	H	D	Well in construction right-of-way
25.24143	Glen Little	1964	-	89	-	-	M	E	U	Do.
108.41E.25.24223	R. O. Martinez	1970	-	300	75.47*	8-29-72	S	E	D	Observation well
25.24233	M. W. Mahoney	-	8	-	-	-	J	E	D	-
25.24413	Henry Garcia	1961	-	63	40R	1961	S	E	D	Casing and pump below land surface
25.24414	Lorenzo Garcia	1956	-	85	-	-	J	E	D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
25.24432	Phil Garcia	1953	-	105	-	-	S	E	D	-
25.41221	Ranundo Garcia	-	-	72	-	-	P	H	D	-
25.41334	Ramon Garcia	1973	6	365	-	-	S	E	D	Wells are hooked in tandem
25.41341	Ramon Garcia	1973	6	200	-	-	S	E	D	
25.43214	Jose Garcia	1969	6	115	90R	8-30-72	S	E	D	-
25.43232	Bernie Caldwell	1968	-	85	-	-	P	H	D	-
10M. 5E.11.43213	Paul Sonder	1950	-	140	90R	1959	J	E	D	Supplies two houses
11.44422	Andres Griego	-	7	100	33.15*	8-24-72	S	E	D	Water sample has slight odor; observation well
12.23134	T. W. Moody	1961	6	403	85R	8-24-72	S	E	D	-
12.24441	Jack King	1970	7	140	99.20	8-23-72	S	E	D	-
12.34212	Robert Padilla	1971	6	100	40.95	8-24-72	S	E	D	Supplies several homes
12.34233	Henry Ortis	1964	6	166	45.53	8-28-72	S	E	D	-
10M. 5E.12.34241	Jose Martinez	-	-	22	17.09	8-24-72	N	N	D	Dug well, uses rope and bucket
12.34312	State Highway Department	-	4½	390	46.70	6-13-72	N	N	O	Zamora observation recorder well
12.41134	Jose Jinzo	1971	6	225	25.17	7-21-75	S	E	D	Measured well depth 90 feet; sample cloudy
12.41141	Bruce M. Taylor	-	7	-	46.66	8-24-72	S	E	D	-
12.41244	S. D. Antoni	-	7	-	99.08	8-24-72	S	E	D	-
12.41322	James Schwiner	1958	-	156	-	-	S	E	D	-
12.41324	Charles Sutton	-	-	300	-	-	S	E	U	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED			
12.41331	Buster Leck	1960	7	185	60R	8-24-72	S	E S-D	-
12.41334	W. E. Price	-	7	135	62.95*	8-24-72	S	E D	Observation well
12.41342	J. L. West	-	-	135	-	-	S	E D	Casing below land surface
12.42312	Diego Castillo	-	6	145	101.59	8-23-72	S	E D	-
12.42213	Ken Burkhardt	-	-	120	-	-	S	E D	Casing below land surface
12.42314	Jesus Griego	1959	-	180	112.70	8-23-70	S	E D	Supplies three houses
12.42332	Ruben Griego	-	-	-	-	-	S	E D	Owner knows nothing about well
12.43114	Ray Garcia	1972	-	42	41.24	8-24-72	N	N U	Dug well
12.43123	E. M. Blake	-	-	80	-	-	S	E D	-
12.43124	C. S. Lurie	-	-	-	-	-	S	E D	-
10M. 5E.12.43141	Jose Martinez	-	8	300	175R	8-24-72	J	E D	-
12.43144	Pablo Garcia	-	-	75	-	-	S	E D	Casing below land surface
12.43224	Antonio Jinzo	1950	-	75	-	-	S	E D	-
12.43214	C. S. Lurie	-	6	165	44.93	8-23-72	S	E D	-
12.4331	Leo Schmidt	-	6	189	-	-	S	E D	-
12.43313	S. Cutierrez	-	-	-	-	-	S	E D	No information about well
12.442	Peter McAtee	-	6	-	38.10	-	N	N U	-
12.44243	B. J. Liston	-	-	171	57R	6-29-72	S	E D	Supplies three houses
12.43244	Home Oil Co.	-	4	75	37.05*	6-21-72	N	N O	Home Oil Co. observation recorder well
12.44343	J. B. Rhodes	-	4	-	-	-	J	E D	Supplies trailer court
12.44411	Fred Sparks	-	-	110	42.98	6-29-72	J	E D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
12.44414	Richard Lienemann	-	4	-	-	-	S	E	D	Owner knows nothing about well
12.44444	Jack Beyler	-	6	285	-	-	S	E	D	Casing below land surface
13.12111	State Highway Department	1960	7	200	22.92*	9-19-72	J	E	D	Observation well in Highway Department yard
14.1412	R. E. Church	1965	6	180	153.88*	8-21-72	J	E	D	Observation well
14.2234	Major C. Luna	1960	6	100	48.79	5-11-73	S	E	D	Cased to total depth
10N. 5E.14.312	Leonard David	1965	7	100	45.70	6-21-72	S	E	D	-
14.314	L. E. Horner	-	6	120	51.48*	6-21-72	S	E	D	Later sold to F. T. Smalley; observation well
14.3214	J. R. Johnson	-	-	197	-	-	S	E	D	-
14.3243	Paul Switzer	-	-	170	145.43*	6-22-72	S	E	D	Observation well
14.3244	Arthur Wilson	-	9	155	112.28	6-22-72	S	E	D	-
14.3432	Senovio Garcia	-	-	18	12.08	6-22-72	J	E	D	Dug well
14.3442	Pat Garcia	-	9	100	39.79	6-23-72	J	E	D	-
14.3423	Modesto Garcia	-	6	-	-	-	J	E	D	-
14.3444	Pat Garcia	-	9	-	50.56	6-23-72	N	N	U	-
14.4123	Crescenciano Garcia	1972	7	-	32.60	6-22-72	S	E	D	-
14.4313	Ken Cahill	1967	6	90	36.62	9-18-75	S	E	D	-
15.331	Tony Guenko	-	-	-	flowing	6-22-72	N	N	D-I	Carlito Spring flow estimated at 20 gal/min
15.43213	A. Sandersailer	1965	-	185	-	-	S	E	D	Casing below land surface
15.43232	James Sweet	1964	-	160	-	-	S	E	D	Do.

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
15.4334	S. F. Gullo	-	6	300	178.34*	7-21-72	S	E	D	Observation well; estimated yield at 12 to 15 gal/min
19.114	H. K. Riddle	-	6	80	70R	8-29-72	S	E	U	-
19.32334	Ken Umberson	-	-	185	-	-	J	E	D	-
10M. 5E.19.32334	T. E. Smart	1970	9	120	72.70	8-29-72	S	E	D	-
19.32334A	T. E. Smart	1953	-	90	-	-	J	E	D	-
19.32444	A. Bullard	-	6	-	-	-	S	E	D	-
19.34114	J. H. Wilson	1962	6	287	104.05	6-30-72	S	E	D	-
19.34121	Dale Stout	-	7	137	36.70*	6-30-72	S	E	D	Observation well
19.34243	Lloyd Minor	1964	-	120	-	-	S	E	D	-
19.34244	M. H. Hill	1965	-	125	-	-	S	E	D	Casing below land surface
19.34434	C. T. Carlberg	-	8	118	-	-	S	E	D	-
19.43331	Byron Elerick	1970	-	135	-	-	S	E	D	-
19.43334	V. A. Harris	-	-	-	-	-	S	E	D	-
19.43344	J. W. Oliver	-	6	150	-	-	S	E	D	Casing below land surface
19.44314	Tom Herrera	1962	7	62	30R	9-11-72	J	E	D-S	-
21.200	Jan Moore	-	-	-	flowing	6-11-73	N	N	D	Supplies three houses; spring flow estimated at 25 gal/min
21.230	Carnue Grant	1974	7	240	97.20	10-4-74	N	N	U	-
21.24411	Tomás Conzales	1930	-	31	27R	9-27-72	S	E	D	Dug well; well is in highway construction right-of-way
21.41241	Seven Springs	-	-	-	flowing	7-8-75	N	N	U	Flowing 6 gal/min from 1½ inch plastic pipe
10M. 5E.22.13421	H. V. Hayes	-	-	-	30.86	6-28-72	J	E	D	Supplies several houses

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
22.13422	Carlos Ulbarrri	-	-	60	33.77	6-28-72	J	E	D	-
22.14314	L. V. Bebermyer	-	-	-	80.60	6-28-72	S	E	D	Supplies two houses
22.14311	Mike Holt	-	7	-	42.50	6-28-72	J	E	D	-
22.14321	State Highway Department	-	4	-	57.82	6-27-72	N	N	U	-
22.14322	S. Francisco Sanchez	-	4	156	65.55	6-27-72	S	E	D	-
22.14323	State Highway Department	1972	3	84	57.78*	9-13-72	N	N	O	Tijeras observation recorder well
22.21322	Jack Covan	-	7	180±	-	-	S	E	D	-
22.21323	Howard Paquin	-	-	300	178.19	6-27-72	S	E	D	-
22.21324	Willard Hager	-	6	220	162.65	6-27-72	S	E	D	-
22.21333	E. A. Schmuck	-	-	140	49.95*	6-27-72	S	E	D	Observation well
22.21342	Edwin Flynn	-	6	216	143.66	6-27-72	S	E	D	-
22.22313	W. G. Winch	-	6	-	77.20*	6-27-72	S	E	D	Observation well
22.23131	Brian Johnson	-	6	-	163.79*	6-27-72	S	E	D	Later sold to Archinsson; observation well
22.232141	Edward Cocoa	1973	6	140	85.58	8-1-73	S	E	D	-
22.23314	Arturo Martinez	-	-	-	-	-	J	E	D	-
22.23321	A. Griego	-	-	-	-	-	S	E	D	-
10M. 5E.22.24421	Roman Griego	1958±	6	125	-	-	J	E	D	-
22.23324	Tijeras Post Office	-	7	100±	33.11*	6-27-72	S	E	D	Observation well
22.23332	Salamon Ruiz	-	8	92	48.24	6-27-72	S	E	D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED			
22.23341	James Carmody	-	6	80	33.82	6-27-72	N	N	U
22.22343	Willard Neese	1955	7	80±	20.07	6-27-72	J	E	D
22.23414	W. C. Bogard	-	-	-	-	-	J	E	D
22.2342	Macedonia Chaves	-	-	-	47.72	6-28-72	S	E	D
22.23421	Vincent Vichi	1949	7	85	47.06	6-26-72	J	E	D
22.2422	Tomas Gonzales	-	5	148	57.80	6-23-72	S	E	U
22.2432	Tijeras Baptist Church	-	9	-	20.54	6-23-72	J	E	D
22.2443	Phil Cravens	-	10	-	46.18	5-23-72	J	E	D
22.32241	A. Montoya School	-	6	200±	26.50	6-26-72	S	E	P Supplies school
22.41221	Ken Dunningen	-	6	-	-	-	J	E	D
22.41223	Don H. Conner	-	4	90	-	-	J	E	D
22.41224	Tijeras Manufacturing Co.	-	7	-	20.62	6-26-62	S	E	D
22.41243	Don Ward & Co.	-	6	-	-	-	S	E	D
22.4131	Ideal Cement Plant	1959	6	1,103	-	-	T	E	Ind Artesian well
10W. 5B.22.41311	A. Montoya School	-	7	-	-	-	T	E	P For emergency use
22.4212	Phil Cravens	-	6	90	18.66*	6-23-72	J	E	D Observation well
22.42323	D. Bondar	-	-	100	-	-	J	E	D
22.42324	C. R. Schilling	-	-	89	-	-	J	E	D
22.42332	George Nuñez	-	-	-	-	-	J	E	D
22.42333	Mrs. J. A. Nuñez	-	4	80	47.05	6-26-72	J	E	D
22.42433	E. L. Miller	-	8	68	41.82	6-26-72	J	E	D

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED			
22.4333	Ideal Cement Plant	-	6	1,146	-	-	S	E	Ind Artesian well; reported to flow
23.11243	Seledon Jaramillo	-	-	32	20.53	6-28-72	J	E	D Dug well
23.1213	Dugan Guest	1972	8 5/8	65	37.25	6-22-72	S	E	D -
23.12121	Mrs. Manuelita Gonzales	1932	-	24	23.39	6-28-72	J	E	D Dug well
23.12131	Dugan Guest	-	6	65	33.19*	10- 2-72	S	E	D Observation well
23.1214	Jack G. Armenta	-	-	33	34.35	6-22-72	J	E	D Dug well
23.1223	Pat White	-	6	100	45.65	6-21-72	J	E	D -
23.1232	Virginia Armenta	-	5	75	31.85	6-23-72	J	E	D -
23.1232	Evarista Gonzales	-	6	-	36.94	6-23-72	S	E	D -
23.1312	Holy Child Parish	1971	-	95	47.23*	6-23-72	S	E	D Observation well
104. 52.23.1322	Molly & Tony's Bar	-	7	65	26.76	6-23-72	J	E	D -
23.3313	U.S. Forest Service	-	8 5/8	-	1.30	6-26-72	S	D	E Artesian well
29.11312	Robert Bruce Hertzler	-	5	80	48.92*	6-28-72	S	E	D-S Observation well
30.11222	Dina Riddle	1969	-	165	-	-	S	E	D -
30.11441	H. K. Riddle	1966	4 1/2	200	-	8-29-72	S	E	D Pumping water level reported at 60 feet below land surface; supplies 15 families
30.12113	Dina Riddle	1946	-	185	88.33	8-29-72	S	E	D-S -
30.12141	Dr. Smith	1955	-	105	-	-	S	E	D -
30.12142	Ken Umbrson	-	-	-	-	-	P	W	- Owner did not want well measured
30.1221	Jim Volkman	1974	6	106	38.72	7-30-75	S	E	D -

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED			
30.12222	M. D. Jerdee	1940's	8	145	-	-	S	D	Owner did not want well measured
30.12233	Dr. Paul Smith	-	-	-	-	-	J	D	-
30.12341	C. B. Saunders	1946	-	80	-	-	P	D	For motel use
30.12343	C. B. Saunders	1956	-	110	-	-	-	D	For motel use; well house locked (no key)
30.12424	Esther Benvenisti	1957	7	115	0-	-	J	D	-
30.12434	Ken Ungerson	-	-	-	-	-	P	U	-
30.12434	Ken Umberson	-	-	-	-	-	J	D	-
100. 5E.30.13232	Yessio Marks	-	-	-	-	-	J	D	-
30.13241	James R. Kennedy	1960	-	80	-	-	S	D	Wall head below land surface
30.13322	Gilbert Cutierrez	1952	-	70	-	-	S	D	-
30.13323	Emilio Garcia	1946	-	204	57R	9-12-72	S	D	-
30.13341	Emilio Garcia	1962	-	125	36.91	9-12-72	S	D	-
30.13421	Roman Francia	1962	7	69	29.66	9-12-72	S	D	-
30.13422	Willy Martinez	-	-	75	-	-	S	D	-
30.13423	Erminio Garcia	1969	-	72	-	-	S	D	-
30.13434	R. Sprau	1957	-	125	-	-	S	D	-
30.13441	R. Sprau	-	-	-	-	-	J	D	-
30.14134	Joe T. Griego	1969	-	105	-	-	S	D	-
30.14141	Susie Herrera	-	-	100±	-	-	J	D	-
30.14312	Richard Garcia	1970	-	85	-	-	S	D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
30.14312	Tomas Griego	1962	-	85	-	-	J	E	D	-
30.14322	Richard Saiz	1970	7	102	66.36	9-6-72	S	E	D	-
30.14323	Nate Jaramillo	1957	-	85	58.94	9-8-72	J	E	D	-
30.14324	Eloy Jaramillo	1957	-	-	59.39	9-6-72	S	E	D	-
10W. 58.30.14332	H. N. Garcia	-	-	100±	32.89*	9-11-72	S	E	D	Observation well
30.14331	Americo Gonzales	-	-	-	-	-	J	E	D	-
30.14333	Eddie Francia	-	7	-	-	-	S	E	D	-
30.14341	Nate Jaramillo	1950	-	82	48.39	9-8-72	S	E	D	-
30.14431	Phil Griego	1960	7	-	-	-	J	E	D	-
30.21114	Karen McKnight	-	-	120+	-	-	P	E	D	-
30.21132	Frank Moon	1969	6	125	90.76	6-29-72	S	E	D	-
30.21134	Frank Moon	1969	6	96	85.42*	6-29-72	S	E	D	Observation well
30.21231	Frank Nieto	1955	7	110	67.76	6-29-72	J	E	D	-
30.21233	F. Otero	1964	5	164	-	-	S	E	D	-
30.21232	Frank Nieto	1959	7	130	73.60	6-29-72	J	E	D	-
30.21411	Rosa Herrera	-	7	100	53.74	6-29-72	J	E	D	-
30.21412	Grace S. Simpson	-	8	115	54.80	6-28-72	J	E	D	-
30.21413	Lester Dresser	1971	-	150	58.95	6-29-72	S	E	D	-
30.21413	Alejandro Herrera	1932	30	60±	54.89	6-29-72	J	E	D	Dug well; culvert pipe for casing
30.21414	M. L. Griego	1962	10	95	63.10	6-28-72	S	E	D	-
30.21434	James C. Giovanetto	1936	-	68	-	-	J	E	D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP POWER TYPE	USE OF WELL	REMARKS	
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
10M. 5E.30.22221	Eddy Gutierrez	1973	6	-	-	-	S	E	D	No access to well
30.22241	Juanito Garcia	-	8	60	31.34	6-29-72	J	E	D	-
30.22243	Mrs. Juanito Garcia	-	-	58	32R	6-29-72	J	E	D	-
30.22244	Juanito Garcia	-	-	140	-	-	S	E	D	-
30.22332	Eufino Martinez	1966	-	100	-	-	S	E	D	Well head underground
30.22414	Procopio Garcia	1951	8	100	52R	6-28-72	S	E	D	-
30.22422	Antonio Gonzales	1936	-	70R	-	-	N	H	D	Dug well
30.2312	W. J. Wrenmiller	1974	5	180	26.10	7-30-75	S	E	D	Plastic casing
30.2314	Alfred Ortis	-	5	-	33.51	7-30-75	S	E	D	Do.
30.23143	Norman Baker	-	-	-	-	-	S	E	D	-
30.2331	Howard Martin	1975	6	100	21.30	7-30-75	S	E	D	Well supplies two homes; plastic casing
30.2333	J. M. Finklestein	1974	6	108	-	7-30-75	S	E	D	Plastic casing
30.24122	Robert J. Garcia	1971	-	100	-	-	S	E	D	-
30.24124	Pete Riboni	-	-	27±	13.42	6-29-72	P	W	D	Dug well
30.3111	Isodora Garcia	1973	6	140	-	5-30-73	S	E	D	Conductivity 1225, hard water
30.14141	Susie Herrera	-	-	100±	-	-	J	E	D	-
30.14312	Richard Garcia	1970	-	85	-	-	S	E	D	-
10M. 5E.30.3133	Jed Wilbanks	1971	6	100	24.59	7-20-75	S	E	D	-
30.32121	Recita L. Herrera	-	-	-	-	-	J	E	D	-
30.32123	J. W. Evans	-	-	-	-	-	-	E	D	-
30.32141	Matividad Jaramillo	1965	-	40	-	-	S	E	D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
30.32241	B. J. Dickson	1971	5 1/2	100	20.43*	9-6-72	S	E	D	Observation well, later sold to R. W. McDaniels
30.32373	Onesimo Martinez	1963	-	50	-	-	J	E	D	-
30.32343	H. N. Garcia	1973	6	140	22.69	5-21-73	S	E	D	0-140 feet plastic; 0-50 feet steel casing
30.32343	Ruth Herrera	1961	-	75	-	-	S	E	D	-
30.32412	Margret A. Dickson	-	7	50	-	-	S	E	D	-
30.32413	Glenn Mauger	-	-	-	-	-	S	E	D	-
30.32433	Dr. Vernon Greenlee	-	7	-	47.55	9-8-72	J	E	D	-
30.33212	Adelicio Herrera	-	6	-	-	-	S	E	D	-
30.3322	James R. Shalton	1971	7	100	-	-	S	E	D	-
30.33224	"A"	-	-	-	-	-	-	E	D-S	-
30.33444	Jack Rupa	-	7	-	58.10	9-8-72	A	E	D	-
30.3412	Santos Garcia	1974	6	150	61.96	7-30-75	S	E	D	-
30.3412	Paul A. Pizzoli	-	7	-	-	-	S	E	D	-
10M. 5E.30.14312	Tomas Griego	1962	-	85	-	-	J	E	D	-
30.1r322	Richard Saiz	1970	7	102	66.36	9-6-72	S	E	D	-
30.14323	Mate Jaramillo	1957	-	85	58.94	9-8-72	J	E	D	-
30.14324	Eloy Jar	1957	-	-	59.39	9-6-72	S	E	D	-
30.14332	H. N. Garcia	1947	8 5/8	60	32.89*	9-11-72	S	E	D	Observation well
30.14331	Americo Gonzales	-	-	-	-	-	J	E	D	-
30.14333	Eddie Francia	-	7	-	-	-	S	E	D	-
30.14341	Mate Jaramillo	1950	-	82	48.39	9-8-72	S	E	D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	USE OF WELL	REMARKS	
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
30.14431	Phil Griego	1960	7	-	-	-	J	E	D	-
30.21114	Karen McKnight	-	-	120+	-	-	P	E	D	-
30.21132	Frank Moon	1969	6	125	90.76	6-29-72	S	E	D	-
30.21134	Frank Moon	1969	6	96	85.42*	6-29-72	S	E	D	Observation well
30.21231	Frank Nieto	1955	7	110	67.76	6-29-72	J	E	D	-
30.21233	F. Otero	1964	5	164	-	-	S	E	D	-
30.21232	Frank Nieto	1959	7	130	73.60	6-29-72	J	E	D	-
30.21411	Rosa Herrera	-	7	100	53.75	6-29-72	J	E	D	-
30.21412	Grace S. Simpson	-	8	115	54.80	6-28-72	J	E	D	-
30.31231	Josefita Herrera	1960	8 5/8	100	23.89	9-11-72	S	E	D	-
10M. 5E.30.34211	James D. Thomas	-	4	72	53.24	9- 8-72	J	E	D	-
30.34211	Jack Nobel	-	5	100	73.04	9- 8-72	S	E	D	-
10M. 6E. 4.1444	Joe Serna	-	4 1/2	240	148.08*	6-20-72	P	W	U	Observation well
4.4114	R. J. Martin	1964	-	340	-	-	S	E	D-S	Well head below land surface
5.14224	G. F. Good	1971	-	369	-	-	S	E	D	-
5.14423	F. W. Chamberlain	1970	5	280	-	-	S	E	D	Plastic casing
5.33124	E. J. Whitmore	1930's	7	163	132.35	9-26-72	S	E	D-S	Poor measurement
5.33231	State Highway Department	1972	3	84	63.98*	9- 6-72	N	N	U	Junction recorder; observation well
5.34334	W. A. Christi	1968	6	149	118.66*	6-20-72	J	E	D	Observation well
5.34431	Willy Moon	-	5	160	-	-	S	E	D	-
5.43422	Jack Valenti	-	8 5/8	180	163.05*	8-22-72	P	E	U	Observation well

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER OF WELL	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
5.44211	Jim Dickey	1956	-	500	-	-	S	E	D	-
5.44212	D. Border	-	6	350	-	-	S	E	D	-
5.44213	D. Border	-	6	-	-	-	N	N	U	Can get tape down to only 239 feet; well may be caved
5.44222	B. G. Murdock	-	6	600	306.10	8-22-72	S	E	D	Poor measurement due to falling water
5.44244	B. G. Murdock	-	6	315	289.09*	8-22-72	N	N	U	Observation well
100. 6B. 5.44321	Chester H. White	1962	-	200	-	-	P	E	D	Well has only short joint of casing at top
5.44341	Mrs. Decker	-	-	-	-	-	-	E	O	-
5.44341	Paul Smith	-	-	-	-	-	-	-	D	Residence vacant
5.44413	Larry Serderhauf	-	-	-	-	-	S	E	D	Well under concrete block
5.44433	Rev. Stanley Waldron	1952	4	164R	186.63	10-31-75	P	E	D	Pump set at 206 feet; sold to Mr. Tedasco; well deepened
5.44441	Earl Huffman	1974	6	400	158.44	9-11-74	S	E	D	Plastic casing, 0-400 feet
5.44443	W. M. Heber	1958	4	350	-	-	S	E	D	-
7.22244	Jack Cannon	1957	6	165	12R	9-19-72	S	E	D	-
7.22344	Dean Wrecking Co.	-	8	190	140+	6-29-72	S	E	D	-
7.22413	Don Dean	-	6	150	130.62	6-28-72	S	E	D	T. D. measured
7.23221	Herman Ardans	-	-	150	-	-	N	N	D	Well in construction right-of-way
7.24114	Pat White	1951	6	148	90+	6-21-72	S	E	D	Poor measurement
7.31311	Robert Jones	-	7	-	-	-	S	E	D	-
7.31421	Mary Pagnes	-	6	125	79.22	6-29-72	S	E	D	Smells of diesel fuel; locked up, no longer observation well

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Continued

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
7.32743	O. Saiz	1950	6	125+	77.04	6-29-72	S	E	D	-
7.32411	Josefita Saiz	-	6	100	35.39	6-28-72	J	E	D	Supplies two houses
10W. 6E. 7.32423	Richard Saiz	-	-	-	63.53	6-28-72	J	E	D	-
7.32423	Jesus Garcia	1958	7 5/8	100	74.65	6-28-72	J	E	D	Well pumps dry in few minutes
7.32424	Jesus Garcia	1967	6	135	110.75*	6-28-72	J	E	D	Observation well
7.32431	Joe Lucero	-	-	160	122R	6-28-72	J	E	D	-
7.32432	Elizardo Trujillo	1960	6	120	-	-	S	E	D	-
7.33124	Lustis Lorrge	-	6	150	-	-	S	E	D	-
7.34134	John Finger	-	3	140	-	-	S	E	D	Well pumps dry after hard use
7.34221	Olderco Gutierrez	-	6	93	52.69	6-28-72	J	E	D	Deepened from 58 feet
7.34222	Denis Lucero	1972	6	88	40.01*	6-28-72	J	E	D	Observation well
7.34312	John Finger	1972	5	195	125R	6-28-72	N	N	D	Not equipped 6-72
7.41133	K.O.A.	1971	6	230	-	-	S	E	D	Yield 10 gal/min
7.42112	Barry Avner	1964	5	400	177.86*	6-7-75	S	E	D	Observation well
8.11123	G. E. Bowling	1970	6	160	192.78	6-21-72	S	E	D	-
8.21113	Floyd A. Kums	1964	6	478	229.90	10-25-72	S	E	D	-
8.21114	Floyd A. Kums	-	-	260	-	-	N	N	V	Well in covered pit
8.21211	John Liese	1965	7	300	206.90	10-25-72	S	E	D	-
8.21213	Clark Corbin	1962	6	300	-	-	S	E	D	No access to measure
8.31221	Ben R. Lowe	1967	6	410	315.50	10-26-72	S	E	D	-
10W. 6E. 9.1132	Mr. Bahl	1970	6	285	131.76	9-25-74	S	E	D	-

Table 1.--Records of wells and springs in part of Tijeras Canyon, Bernalillo County, New Mexico - Concluded

LOCATION NUMBER	WELL OR SPRING OWNER OR NAME OF SPRING	YEAR COMPLETED	CASING DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER LEVEL		PUMP TYPE	POWER TYPE	USE OF WELL	REMARKS
					DEPTH BELOW LAND-SURFACE (FEET)	DATE MEASURED				
9.11331	R. H. Foster Sr.	-	8	360	106.55	6-21-72	S	E	D	-
9.11342	R. H. Foster Sr.	-	6	165	91.87	6-21-72	S	E	D	-
9.12134	Harry Mowery	-	-	-	-	-	-	-	D	-
9.4433	Samuel Jaramillo	1969	5½	395	-	-	S	E	D	-
10.13222	Bill Hector	-	7	400	-	-	S	E	D	-
10.13223	George M. Case	1971	4	400	295.53	8-21-72	N	N	D	Not equipped 8-72
10.1333	K. Hallberg	1971	-	.480	-	-	N	N	U	Do.
10.1434	Anselmo Gonzales	1969	6	290	264.06	8-21-72	S	E	D	-
10.3313	Branlio Baca	-	-	-	9.79*	6-20-72	J	E	D	Observation well; dry well
10.3333	Juanita Jaramillo	-	7	250	-	-	S	E	-	Owner did not want water sample collected from well
10.3442	J. W. Shipman	-	6	-	-	-	S	E	C-D	1,000 gal/min reported; well supplies John Henry Cafe
10.3442	J. W. Shipman	-	9 3/4	234	50.77	6-20-72	N	N	U	-
16.2224	Robert Gutierrez	1960	-	250	-	-	S	E	D	-

Table 2.---Maximum daily water levels for well 10N.4E.25.32423, 1976-77

[Values are in feet below land surface]

Granite Hill Recorder Well (1976)
10N.4E.25.32423

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	-	32.96	33.11	-	33.43	33.51	33.63	33.75	33.79	33.92	33.84	34.01
2	-	32.97	33.12	-	33.43	33.51	33.64	33.75	33.79	33.91	33.83	33.95
3	-	32.97	33.09	-	33.45	33.49	33.64	33.74	33.79	33.92	33.80	33.86
4	-	32.98	33.12	-	33.45	33.51	33.66	33.71	33.78	33.92	33.73	33.87
5	-	33.01	33.16	-	33.44	33.52	33.66	33.70	33.79	33.93	33.76	33.88
6	-	33.02	33.14	-	33.45	33.52	33.64	33.69	33.78	33.93	33.75	33.91
7	-	33.04	33.16	-	33.46	33.51	33.65	33.68	33.79	33.95	33.77	33.93
8	-	33.04	33.16	-	33.45	33.52	33.66	33.69	33.82	33.95	33.77	33.97
9	-	33.02	33.16	-	33.46	33.52	33.65	33.71	33.82	33.95	33.77	33.96
10	-	33.03	33.16	-	33.45	33.51	33.66	33.70	33.82	33.96	33.78	-
11	-	33.02	33.14	-	33.42	33.51	33.67	33.72	33.81	33.96	33.78	-
12	-	33.01	33.17	-	33.42	33.54	33.68	33.72	33.82	33.97	33.80	-
13	-	33.02	33.17	-	33.41	33.53	33.68	33.73	33.82	33.98	33.82	-
14	-	33.01	33.18	-	33.42	33.54	33.68	33.72	33.85	33.97	33.82	-
15	-	33.02	33.18	-	33.43	33.57	33.69	33.73	33.85	33.98	33.84	-
16	-	33.03	33.20	-	33.44	33.57	33.70	33.74	33.85	34.00	33.86	-
17	-	33.02	-	-	33.44	33.57	33.69	33.77	33.86	33.99	33.87	-
18	-	33.06	-	-	33.45	33.58	33.71	33.76	33.86	33.98	33.87	-
19	-	33.04	-	-	33.45	33.58	33.72	33.77	33.85	34.01	33.86	-
20	-	33.04	-	33.38	33.46	33.60	33.72	33.77	33.86	34.01	33.87	-
21	32.92	33.09	-	33.38	33.46	33.60	33.72	33.76	33.85	33.99	33.90	-
22	32.89	33.12	-	33.38	33.46	33.58	33.73	33.77	33.85	33.98	33.92	34.15
23	32.90	33.10	-	33.39	33.47	33.59	33.72	33.78	33.87	33.96	33.92	34.14
24	32.90	33.07	-	33.40	33.45	33.59	33.72	33.77	33.87	33.94	33.94	34.14
25	32.91	33.09	-	33.38	33.45	33.60	33.70	33.76	33.87	33.93	33.93	34.18
26	32.93	33.11	-	33.37	33.47	33.61	33.72	33.76	33.88	33.92	33.92	34.19
27	32.94	33.09	-	33.40	33.47	33.62	33.72	33.78	33.90	33.91	33.94	34.20
28	32.94	33.09	-	33.41	33.46	33.62	33.73	33.78	33.92	33.91	33.98	34.24
29	32.95	33.08	-	33.41	33.46	33.61	33.72	33.78	33.92	33.89	34.00	34.24
30	32.94	-	-	33.41	33.47	33.62	33.74	33.78	33.92	33.88	34.00	34.25
31	32.96	-	-	-	33.49	-	33.75	33.77	-	33.87	-	34.28

Table 2.---Maximum daily water levels for well 10N.4E.25.32423, 1976-77 - Concluded

Granite Hill Recorder Well (1977
10N.4E.25.32423

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	34.28	34.64	34.63	33.98	33.77	33.86	34.07	33.92	32.63	32.45	32.64	32.67
2	34.30	34.64	34.60	33.98	33.78	33.85	34.10	33.94	32.63	32.45	32.65	32.69
3	34.30	34.64	34.64	33.97	33.77	33.82	34.10	33.91	32.57	32.47	32.66	32.69
4	34.32	34.64	34.65	33.93	33.78	33.88	34.11	33.93	32.53	32.48	32.67	32.69
5	34.32	34.64	34.63	33.93	33.77	33.90	34.12	33.93	32.50	32.49	32.68	32.70
6	34.36	34.64	34.63	33.93	33.79	33.89	34.14	33.94	32.48	32.50	32.68	32.72
7	34.37	34.64	34.62	33.93	33.80	33.90	34.14	33.95	32.45	32.50	32.67	32.71
8	34.35	34.64	34.58	33.92	33.83	33.86	34.15	33.95	32.42	32.50	32.66	32.72
9	34.38	34.64	34.49	33.92	33.84	33.85	34.15	33.95	32.39	32.50	32.66	32.74
10	34.38	34.64	34.44	33.91	33.83	33.91	34.14	33.94	32.35	32.50	32.65	32.75
11	34.42	34.65	34.44	33.91	33.84	33.92	34.14	33.95	32.32	32.52	32.64	32.78
12	34.43	34.65	34.41	33.91	33.85	33.92	34.15	33.95	32.29	32.53	32.63	32.77
13	34.44	34.65	34.38	33.90	33.83	33.93	34.14	33.95	32.29	32.53	32.63	32.80
14	34.44	34.65	34.33	33.88	33.83	33.95	34.16	33.77	32.27	32.54	32.63	32.80
15	34.46	34.58	34.34	33.85	33.86	33.95	34.17	33.60	32.27	32.55	32.63	32.80
16	34.48	34.53	34.30	33.85	33.80	33.96	34.18	33.43	32.27	32.55	32.63	32.80
17	34.49	34.60	34.24	33.85	33.80	33.97	34.18	33.27	32.28	32.56	32.63	32.82
18	34.51	34.64	34.23	33.85	33.78	33.98	34.20	33.14	32.30	32.57	32.63	32.83
19	34.50	34.60	34.20	33.80	33.79	34.00	34.20	33.14	32.30	32.57	32.60	32.84
20	34.52	34.64	34.17	33.78	33.78	34.00	34.20	33.14	32.30	32.57	32.60	32.86
21	34.53	34.64	34.17	33.80	33.80	34.00	34.18	33.14	32.27	32.57	32.61	--
22	34.55	34.58	34.15	33.81	33.80	34.03	34.17	32.80	32.27	32.58	32.63	--
23	34.56	34.61	34.14	33.81	33.81	34.04	34.15	32.78	32.30	32.59	32.63	--
24	34.58	34.59	34.10	33.80	33.83	34.04	34.15	32.74	32.34	32.60	32.64	--
25	34.59	34.60	34.10	33.80	33.83	34.05	34.15	32.71	32.35	32.60	32.63	--
26	34.60	34.64	34.08	33.79	33.83	34.04	34.15	32.68	32.37	32.60	32.64	--
27	34.60	34.65	34.06	33.78	33.82	34.05	34.15	32.67	32.39	32.60	32.64	--
28	34.62	34.67	34.05	33.78	33.83	34.05	34.05	32.68	32.41	32.62	32.65	--
29	33.65	--	34.02	33.79	33.84	34.05	33.98	32.68	32.42	32.64	32.66	--
30	34.55	--	34.05	33.78	33.85	34.06	33.94	32.67	32.43	32.64	32.65	--
31	34.59	--	34.01	--	33.85	--	33.92	32.64	--	32.64	--	--

1/ Blasting effect

Table 3.--Maximum daily water levels for well 10N.4½E.25.4222, 1976-77

[Values are in feet below land surface]

Sink Hole Recorder Well
10N.4½E.25.4222

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	-	35.92	36.04	36.27	36.52	36.72	37.06	37.22	37.45	37.74	38.10	38.22
2	-	35.89	36.04	36.28	36.50	36.73	37.06	37.23	37.45	37.75	38.11	38.23
3	-	35.87	36.00	36.29	36.51	36.73	37.09	37.23	37.45	37.75	38.11	38.19
4	-	35.88	36.01	36.30	36.51	36.73	37.10	37.23	37.46	37.76	38.11	38.17
5	-	35.92	36.11	36.27	36.51	36.75	37.12	37.22	37.47	37.79	38.12	38.15
6	-	35.96	36.12	36.28	36.54	36.77	37.12	37.24	37.47	37.79	38.12	38.15
7	-	35.98	36.08	36.31	36.58	36.77	37.14	37.24	37.48	37.80	38.14	38.18
8	-	35.96	36.10	36.32	36.58	36.77	37.14	37.24	37.49	37.84	38.13	38.17
9	-	35.93	36.12	36.32	36.58	36.78	37.15	37.25	37.52	37.84	38.13	38.14
10	-	35.95	36.13	36.33	36.59	36.78	37.17	37.27	37.52	37.85	38.13	38.14
11	-	35.98	36.09	36.35	36.57	36.78	37.20	37.29	37.51	37.85	38.14	38.15
12	-	35.96	36.13	36.33	36.57	36.79	37.20	37.30	37.51	37.87	38.17	38.14
13	-	35.98	36.16	36.33	36.57	36.80	37.21	37.30	37.53	37.89	38.17	38.13
14	-	35.98	36.14	36.34	36.58	36.81	37.23	37.30	37.55	37.88	38.17	38.12
15	-	35.96	36.14	36.31	36.54	36.84	37.25	37.31	37.55	37.88	38.17	38.12
16	-	35.98	36.19	36.30	36.60	36.83	37.28	37.32	37.57	37.92	38.19	38.12
17	-	35.96	36.17	36.35	36.62	36.83	37.30	37.34	37.59	37.92	38.21	38.00
18	-	36.00	36.16	36.40	36.62	36.86	37.29	37.35	37.60	37.92	38.20	38.07
19	-	35.97	36.12	36.40	36.62	36.89	37.30	37.35	37.61	37.96	38.19	38.06
20	-	35.96	36.16	36.42	36.64	36.90	37.30	37.38	37.62	37.97	38.21	38.08
21	35.87	36.05	36.22	36.41	36.64	36.90	37.30	37.38	37.63	37.97	38.24	38.04
22	35.86	36.10	36.24	36.42	36.65	36.92	37.30	37.40	37.65	37.97	38.23	38.04
23	35.82	36.07	36.20	36.44	36.65	36.94	37.31	37.40	37.65	37.98	38.23	38.03
24	35.78	35.98	36.20	36.46	36.65	36.96	37.30	37.40	37.66	37.99	38.22	38.00
25	35.82	36.06	36.16	36.42	36.65	36.97	37.27	37.41	37.67	38.00	38.18	38.01
26	35.87	36.07	36.21	36.41	36.68	36.98	37.24	37.40	37.67	38.00	38.16	38.02
27	35.93	36.06	36.18	36.44	36.68	37.01	37.22	37.42	37.68	38.04	38.20	37.99
28	35.93	36.03	36.18	36.49	36.65	37.02	37.21	37.43	37.70	38.07	38.23	37.99
29	35.92	36.02	36.21	36.50	36.66	37.04	37.20	37.44	37.71	38.06	38.24	37.97
30	35.87	-	36.28	36.51	36.67	37.04	37.20	37.43	37.73	38.07	38.22	37.96
31	35.92	-	36.29	-	36.70	-	37.20	37.44	-	38.09	-	37.95

Table 3. ---Maximum daily water levels for well 10N.4½E.25.4222, 1976-77 - Concluded

Sink Hole Recorder Well
10N.4½E.25.4222

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	37.94	37.77	37.76	37.85	38.12	38.61	38.99	39.25	38.99	38.67	38.89	38.60
2	37.94	37.77	37.75	37.87	38.14	38.62	39.00	39.25	38.98	38.70	38.92	38.59
3	37.92	37.82	37.78	37.87	38.15	38.63	39.00	39.25	38.95	38.75	38.92	38.57
4	37.92	37.81	37.80	37.92	38.15	38.64	39.03	39.25	38.94	38.73	38.95	38.54
5	37.92	37.78	37.84	37.94	38.15	38.65	39.04	39.25	38.92	38.73	38.93	38.53
6	37.93	37.78	37.86	37.95	38.16	38.67	39.03	39.25	38.90	38.75	38.90	38.52
7	37.91	37.80	37.86	37.96	38.19	38.69	39.02	39.25	38.89	38.75	38.90	38.49
8	37.88	37.80	37.84	37.96	38.20	38.69	39.01	39.25	38.86	38.75	38.90	38.48
9	37.88	37.77	37.77	37.94	38.21	38.70	39.02	39.25	38.85	38.76	38.91	38.49
10	37.91	37.77	37.75	37.93	38.21	38.71	39.02	39.25	38.83	38.76	38.98	38.47
11	37.90	37.76	37.77	37.93	38.24	38.73	39.03	39.25	38.81	38.78	38.97	38.45
12	37.88	37.80	37.82	37.95	38.27	38.74	39.04	39.25	38.79	38.83	38.94	38.42
13	37.88	37.77	37.78	37.94	38.29	38.76	39.05	39.24	38.79	38.82	38.92	38.43
14	37.87	37.77	37.78	37.92	38.30	38.77	39.07	39.23	38.78	38.82	38.89	38.40
15	37.87	37.80	37.84	37.94	38.32	38.78	39.09	39.23	38.76	38.83	38.85	38.36
16	37.88	37.81	37.81	37.98	38.34	38.80	39.10	39.23	38.75	38.85	38.85	38.34
17	37.88	37.80	37.80	37.98	38.35	38.80	39.11	39.22	38.75	38.85	38.84	38.35
18	37.87	37.80	37.80	37.98	38.36	38.82	39.11	39.20	38.74	38.85	38.81	38.32
19	37.86	37.81	37.84	37.98	38.38	38.83	39.12	39.17	38.73	38.85	38.76	38.32
20	37.87	37.80	37.82	37.99	38.39	38.84	39.14	39.15	38.72	38.85	38.77	38.35
21	37.87	37.77	37.86	38.02	38.42	38.85	39.15	39.13	38.71	38.85	38.78	-
22	37.85	37.73	37.87	38.06	38.43	38.85	39.17	39.10	38.69	38.87	38.76	-
23	37.84	37.76	37.85	38.07	38.45	38.88	39.19	39.07	38.68	38.87	38.75	-
24	37.84	37.76	37.84	38.10	38.47	38.89	39.19	39.05	38.68	38.87	38.74	-
25	37.83	37.76	37.82	38.08	38.49	38.89	39.21	39.03	38.68	38.89	38.73	-
26	37.82	37.79	37.84	38.08	38.50	38.90	39.23	39.00	38.67	38.90	38.68	-
27	37.80	37.82	37.82	38.09	38.52	38.94	39.23	38.97	38.68	38.90	38.65	-
28	37.81	37.83	37.82	38.11	38.53	38.95	39.24	38.96	38.67	38.90	38.65	-
29	37.79	-	37.84	38.12	38.54	38.95	39.25	38.95	38.67	38.91	38.65	-
30	37.79	-	37.88	38.12	38.56	38.96	39.25	38.92	38.67	38.90	38.61	-
31	37.80	-	37.87	-	38.59	-	39.25	38.90	-	38.90	-	-

Table 4.--Maximum daily water levels for well 10N.5E.12.34312
and well 10N.5E.12.34312A, 1972-77

[Values are in feet below land surface]

Zamora Recorder Well
10N.5E.12.34312

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	-	-	-	-	-	-	47.04	47.13	47.23	46.67	45.84	45.80
2	-	-	-	-	-	-	47.04	47.10	47.22	46.71	45.96	45.80
3	-	-	-	-	-	-	47.06	47.11	47.17	46.74	45.97	45.73
4	-	-	-	-	-	-	47.11	47.19	47.19	46.72	45.90	45.55
5	-	-	-	-	-	-	47.07	47.33	47.10	46.71	45.81	45.55
6	-	-	-	-	-	-	47.02	47.24	47.08	46.80	45.82	45.48
7	-	-	-	-	-	-	47.04	47.22	47.11	46.70	45.87	45.66
8	-	-	-	-	-	-	47.03	47.22	47.16	46.69	45.69	45.63
9	-	-	-	-	-	-	47.06	47.22	47.23	46.70	45.69	45.59
10	-	-	-	-	-	-	47.04	47.24	47.16	46.71	45.75	45.63
11	-	-	-	-	-	-	47.04	47.24	47.18	46.77	45.72	45.55
12	-	-	-	-	-	-	47.08	47.33	47.16	46.77	45.69	45.55
13	-	-	-	-	-	-	47.03	47.33	47.12	46.67	45.69	45.60
14	-	-	-	-	-	46.79	47.00	47.33	47.05	46.67	45.69	45.60
15	-	-	-	-	-	46.78	47.00	47.33	46.98	46.66	45.70	45.64
16	-	-	-	-	-	46.80	47.08	47.33	46.95	46.62	45.70	45.64
17	-	-	-	-	-	46.80	47.09	47.31	46.87	46.59	45.69	45.71
18	-	-	-	-	-	46.81	47.12	47.26	46.86	46.57	45.70	45.67
19	-	-	-	-	-	46.80	47.09	47.26	46.77	46.51	45.76	45.61
20	-	-	-	-	-	46.82	47.00	47.26	46.77	46.42	45.70	45.56
21	-	-	-	-	-	46.83	47.16	47.24	46.79	46.44	45.73	45.62
22	-	-	-	-	-	46.86	47.17	47.16	46.75	46.44	45.76	45.61
23	-	-	-	-	-	46.96	47.14	47.15	46.73	46.36	45.76	45.61
24	-	-	-	-	-	46.94	47.11	47.16	46.70	46.41	45.70	45.63
25	-	-	-	-	-	46.88	47.09	47.25	46.71	46.15	45.71	45.63
26	-	-	-	-	-	46.88	47.08	47.25	46.74	46.06	45.71	45.63
27	-	-	-	-	-	46.93	47.00	47.24	46.71	46.06	45.65	45.63
28	-	-	-	-	-	46.93	47.11	47.24	46.70	46.04	45.70	45.46
29	-	-	-	-	-	46.97	47.19	47.24	46.70	45.91	45.70	45.45
30	-	-	-	-	-	46.90	47.16	47.24	46.72	45.85	45.79	45.47
31	-	-	-	-	-	-	47.15	47.22	-	45.86	-	45.53

Table 4.---Maximum daily water levels for well 10N.5E.12.34312

and well 10N.5E.12.34312A, 1972-77 - Continued

Zamora Recorder Well
10N.5E.12.34312

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	45.55	45.10	44.82	43.83	43.36	43.68	44.47	44.73	44.97	44.99	45.12	45.19
2	45.48	45.11	44.69	43.77	43.45	43.69	44.51	44.73	44.98	44.99	45.12	44.98
3	45.48	45.17	44.63	43.78	43.45	43.71	44.56	44.73	45.02	44.99	45.12	44.98
4	45.51	45.17	44.39	43.74	43.45	43.77	44.57	44.73	45.06	44.99	45.12	44.99
5	45.51	45.13	44.35	43.65	43.42	43.87	44.55	44.73	45.07	45.05	45.13	44.79
6	45.52	45.11	44.37	43.57	43.41	43.92	44.56	44.73	45.08	45.06	45.12	44.68
7	45.53	45.10	44.31	43.62	43.41	43.93	44.57	44.73	44.99	44.98	45.12	44.50
8	45.53	45.10	44.31	43.53	43.51	43.94	44.57	44.73	45.01	44.98	45.12	44.47
9	45.53	45.10	44.27	43.51	43.50	43.99	44.61	44.76	45.07	44.97	45.12	44.44
10	45.52	45.10	44.20	43.42	43.50	43.95	44.61	44.78	45.15	44.97	45.20	44.43
11	45.52	45.18	44.23	43.36	43.52	43.95	44.61	44.87	45.15	44.97	45.20	44.27
12	45.61	45.16	44.19	43.31	43.57	44.00	44.62	44.98	45.15	44.98	45.17	44.21
13	45.61	45.20	43.99	43.26	43.55	44.00	44.58	44.94	44.89	45.04	45.12	44.12
14	45.61	45.19	44.00	43.27	43.55	43.98	44.61	44.93	44.92	45.05	45.06	44.12
15	45.61	45.20	44.02	43.27	43.58	43.98	44.71	44.93	44.92	45.07	45.08	44.14
16	45.59	45.20	44.11	43.30	43.55	44.16	44.68	44.93	44.96	45.07	45.09	44.20
17	45.54	45.01	44.03	43.18	43.52	44.16	44.68	44.93	44.96	45.07	45.07	44.21
18	45.58	45.00	43.86	43.12	43.54	44.16	44.61	44.93	44.96	45.07	45.07	43.97
19	45.46	45.01	43.86	43.13	43.56	44.20	44.61	44.93	44.92	45.07	44.98	44.16
20	45.47	45.19	43.88	43.19	43.56	44.32	44.61	44.93	44.91	45.06	44.97	44.16
21	45.47	45.15	43.83	43.27	43.56	44.37	44.61	44.93	44.90	45.06	45.01	44.09
22	45.49	45.04	43.82	43.36	43.57	44.38	44.61	44.90	44.90	45.06	45.13	43.99
23	45.61	45.06	43.79	43.38	43.59	44.38	44.61	44.87	44.91	45.04	45.11	43.91
24	45.63	45.06	43.80	43.38	43.57	44.38	44.61	44.86	44.88	45.04	45.09	43.98
25	45.71	45.06	43.89	43.38	43.52	44.38	44.68	44.89	44.89	45.04	45.00	44.06
26	45.56	45.16	43.87	43.44	43.51	44.38	44.68	44.89	44.89	45.04	45.00	44.06
27	45.56	44.98	43.82	43.44	43.58	44.38	44.67	44.89	44.97	45.16	45.02	44.07
28	45.69	44.91	43.87	43.43	43.67	44.40	44.67	44.93	44.94	45.16	45.17	44.07
29	45.58	-	43.86	43.35	43.68	44.40	44.69	44.93	44.93	45.17	45.21	44.04
30	45.13	-	43.85	43.27	43.69	44.46	44.69	44.91	44.96	45.12	45.23	44.00
31	45.13	-	43.89	-	43.69	-	44.71	-	-	-	-	44.05

Table 4. ---Maximum daily water levels for well 10N.5E.12.34312

and well 10N.5E.12.34312A, 1972-77 - Continued

Zamora Recorder Well
10N.5E.12.34312

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	44.02	45.14	45.19	45.28	45.45	45.79	-	46.14	-	-	-	-
2	-	-	-	45.13	45.44	45.77	-	46.14	-	-	-	-
3	-	-	-	45.18	45.48	45.77	-	46.14	-	-	-	-
4	-	-	-	45.32	45.48	45.76	-	46.12	-	-	-	-
5	44.12	45.02	45.17	45.34	45.48	45.70	-	46.10	-	-	-	-
6	-	-	-	45.17	45.48	45.71	-	46.10	-	-	-	-
7	-	-	45.07	45.22	45.48	45.73	-	46.10	-	-	-	-
8	-	-	45.10	45.32	45.48	45.74	-	46.10	-	-	-	-
9	-	-	45.13	45.17	45.52	45.83	-	46.10	-	-	-	-
10	44.03	45.19	45.12	45.17	45.52	45.88	-	46.11	-	-	-	-
11	-	-	45.12	45.22	45.54	45.90	-	46.12	-	-	-	-
12	-	-	45.17	45.25	45.57	45.90	-	46.15	-	-	-	-
13	-	-	45.17	45.25	45.53	45.90	-	46.17	-	-	-	-
14	-	-	45.17	45.35	45.53	45.93	-	46.17	-	-	-	-
15	44.17	45.13	45.17	45.37	45.55	46.00	-	46.17	-	-	-	-
16	-	-	45.17	45.35	45.56	45.95	-	46.21	-	-	-	-
17	-	-	45.17	45.35	45.59	45.94	-	46.22	-	-	-	-
18	-	-	45.13	45.31	45.65	45.94	-	46.23	-	-	-	-
19	-	-	45.13	45.19	45.65	46.00	46.12	46.19	-	-	-	-
20	44.12	45.28	45.12	45.24	45.70	46.02	46.11	46.19	-	-	-	-
21	44.12	-	45.13	45.30	45.70	46.03	46.11	46.22	-	-	-	-
22	-	-	45.10	45.33	45.75	-	46.11	46.32	-	-	-	-
23	-	-	45.11	45.35	45.73	-	46.12	46.30	-	-	-	-
24	-	-	45.14	45.35	45.75	-	46.12	46.30	-	-	-	-
25	45.06	45.24	45.15	45.44	45.84	-	46.12	46.25	-	-	-	-
26	-	-	45.17	45.45	45.84	-	46.13	46.22	-	-	-	-
27	-	-	45.17	45.44	45.82	-	46.14	46.20	-	-	-	-
28	-	45.17	45.17	45.44	45.79	-	46.15	46.18	-	-	-	-
29	-	-	45.17	45.45	45.77	-	46.15	17	-	-	-	-
30	-	-	45.36	45.51	45.75	-	46.15	-	-	-	-	-
31	45.17	-	45.24	-	45.75	-	46.15	-	-	-	-	-

17 Lightning struck recorder 20:30 hrs.--recorder removed pump installed

Table 4.---Maximum daily water levels for well 10N.5E.12.34312

and well 10N.5E.12.34312A, 1972-77 - Continued

Zamora II Recorder Well
10N.5E.12.34312A

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	-	-	-	-	35.34	34.14	36.40	36.78	37.14	37.34	37.32	37.48
2	-	-	-	-	35.36	34.40	36.40	36.81	37.14	37.35	37.32	37.55
3	-	-	-	-	35.40	35.13	36.40	36.85	37.14	36.36	37.33	37.57
4	-	-	-	-	35.40	35.30	36.40	36.87	37.16	36.36	37.37	37.45
5	-	-	-	-	35.28	35.44	36.40	36.87	37.16	37.36	37.38	37.41
6	-	-	-	-	35.28	35.61	36.40	36.92	37.19	36.36	37.38	37.41
7	-	-	2/36.68 H	-	35.34	35.75	36.39	36.92	37.22	37.34	37.38	37.41
8	-	-	36.77	35.54	35.37	35.80	36.39	36.91	37.22	37.33	37.34	37.42
9	-	-	36.86	35.55	35.43	35.83	36.52	36.90	37.22	37.29	37.32	37.42
10	-	-	35.87	35.57	35.43	35.87	35.35	36.91	37.22	37.17	37.32	37.41
11	-	-	-	35.60	35.53	35.93	35.06	36.93	37.23	37.32	37.33	37.40
12	-	-	-	35.61	35.53	36.03	35.32	36.93	37.22	37.33	37.35	37.39
13	-	-	-	35.58	35.53	36.06	35.90	36.93	37.22	37.31	37.43	37.34
14	-	-	-	35.61	35.56	36.10	36.23	36.93	37.22	37.26	37.48	37.35
15	-	-	-	35.61	35.63	36.10	36.33	36.97	37.23	37.25	37.49	37.38
16	-	-	-	35.60	35.63	36.07	36.39	36.98	37.25	37.25	37.45	37.47
17	-	-	-	35.49	35.63	36.01	36.39	37.00	37.26	37.27	37.38	37.47
18	-	-	-	35.49	35.63	35.98	36.40	37.02	37.27	37.28	37.37	37.48
19	-	-	-	35.40	35.63	35.98	36.40	37.02	37.27	37.30	37.37	37.51
20	-	-	-	35.60	35.53	36.12	36.31	37.02	37.27	37.33	37.37	37.51
21	-	-	35.87	35.57	35.53	36.19	36.31	37.03	37.28	37.25	37.42	37.53
22	-	-	-	35.56	35.55	36.23	36.40	37.06	37.32	37.17	37.42	37.53
23	-	-	-	35.54	35.62	36.27	36.40	37.08	37.36	37.12	37.49	37.53
24	-	-	-	35.54	35.68	36.32	36.40	37.09	37.36	37.12	37.51	37.51
25	-	-	-	35.53	35.72	36.34	36.69	37.09	37.36	37.19	37.48	37.51
26	-	-	-	35.50	35.72	36.34	36.74	37.09	37.36	37.30	37.42	37.52
27	-	-	-	35.45	35.79	36.34	36.76	37.10	37.37	37.32	37.38	37.51
28	-	-	-	35.34	35.72	36.35	36.78	37.13	37.37	37.32	37.34	37.51
29	-	-	-	35.34	34.32	36.36	36.77	37.14	37.36	37.33	37.33	37.52
30	-	-	-	35.34	33.03	36.38	36.77	37.14	37.34	37.33	37.33	37.56
31	-	-	-	-	33.25	-	36.77	37.15	-	37.32	-	37.45

2/Recorder installed--following water levels for well 10N.5E.12.34312A

Table 4.--Maximum daily water levels for well 10N.5E.12.34312
and well 10N.5E.12.34312A, 1972-77 - Continued

Zamora II Recorder Well
10N.5E.12.34312

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	37.45	38.03	38.31	38.56	38.82	38.94	39.12	39.09	39.08	38.95	38.90	38.97
2	37.51	38.07	38.38	38.55	38.82	38.96	39.12	39.10	39.08	38.98	38.92	38.97
3	37.59	38.06	38.27	38.55	38.82	38.98	39.12	39.12	39.07	38.97	38.92	38.98
4	37.64	38.02	38.26	38.57	38.82	39.01	39.11	39.13	39.06	38.96	38.88	38.98
5	37.66	38.02	38.27	38.59	38.80	39.04	39.11	39.12	39.06	38.96	38.88	38.98
6	37.63	38.04	38.33	38.60	38.80	39.07	39.12	39.12	39.05	38.94	38.90	38.97
7	37.62	38.11	38.34	38.63	38.80	39.07	39.14	39.12	39.05	38.94	38.90	38.98
8	37.64	38.18	38.33	38.65	38.82	39.07	39.14	39.12	39.05	38.98	38.93	38.99
9	37.67	38.20	38.33	38.67	38.81	39.07	39.15	39.12	39.05	39.02	38.93	38.99
10	37.68	38.20	38.36	38.66	38.81	39.01	39.15	39.11	39.06	39.03	38.93	38.99
11	37.68	38.19	38.36	38.66	38.85	38.99	39.15	39.11	39.04	39.02	38.85	38.99
12	37.70	38.20	38.39	38.67	38.85	38.99	39.15	39.11	39.00	39.00	38.84	38.99
13	37.69	38.19	38.46	38.70	38.86	38.99	39.13	39.09	38.99	39.02	38.84	38.99
14	37.69	38.19	38.48	38.70	38.88	38.99	39.13	39.09	38.98	39.03	38.83	38.99
15	37.78	38.19	38.49	38.65	38.88	38.99	39.12	39.09	38.98	39.01	38.83	38.98
16	37.80	38.20	38.53	38.62	38.88	39.08	39.12	39.08	38.98	38.98	38.83	38.98
17	37.83	38.21	38.55	38.60	38.89	39.08	39.11	39.09	38.98	38.93	38.87	39.13
18	37.84	38.23	38.49	38.63	38.90	39.07	39.11	39.09	38.99	38.91	39.03	39.13
19	37.84	38.18	38.40	38.71	38.93	39.09	39.12	39.10	39.00	38.91	38.97	39.09
20	37.84	38.17	38.38	38.75	38.92	39.15	39.11	39.14	39.00	38.90	38.97	39.08
21	37.84	38.21	38.42	38.77	38.92	39.13	39.06	39.12	39.00	38.90	38.97	39.08
22	37.97	38.32	38.47	38.77	38.92	39.13	39.05	39.12	39.00	38.90	38.96	39.05
23	37.92	38.36	38.54	38.74	38.92	39.11	39.09	39.10	38.96	38.89	38.96	39.05
24	37.88	38.36	38.53	38.74	38.92	39.11	39.10	39.10	38.96	38.89	38.96	39.04
25	37.88	38.35	38.49	38.74	38.94	39.10	39.11	39.04	38.96	38.90	38.97	39.04
26	37.87	38.35	38.48	38.69	38.94	39.12	39.12	39.04	38.95	38.90	38.93	39.04
27	37.94	38.35	38.48	38.69	38.94	39.12	39.12	39.05	38.94	38.89	38.92	39.03
28	38.00	38.31	38.46	38.75	38.98	39.12	39.12	39.08	38.94	38.89	38.92	39.00
29	38.02	38.31	38.45	38.75	38.94	39.12	39.11	39.10	38.95	38.90	38.95	39.00
30	38.01	-	38.45	38.80	38.94	39.12	39.08	39.12	38.95	38.90	38.97	38.97
31	38.01	-	38.53	-	38.94	-	39.08	39.09	-	38.90	-	38.97

Table 4.--Maximum daily water levels for well 10N.5E.12.34312

and well 10N.5E.12.34312A, 1972-77 - Concluded

Zamora Recorder Well
10N.5E.12.34312

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	38.94	39.13	39.09	38.97	38.62	38.50	38.43	38.44	38.37	37.87	37.75	37.50
2	38.95	39.07	39.00	38.97	38.62	38.50	38.45	38.44	38.37	37.87	37.75	37.50
3	38.95	39.07	39.00	38.78	38.62	38.50	38.45	38.44	38.36	37.90	37.75	37.50
4	38.95	39.12	39.01	38.78	38.60	38.50	38.45	38.44	38.35	37.95	37.75	37.50
5	38.98	39.17	39.05	38.78	38.58	38.50	38.45	38.40	38.32	37.91	37.77	37.47
6	38.98	39.13	39.10	38.78	38.58	38.54	38.45	38.40	38.31	37.89	37.73	37.47
7	38.99	39.13	39.11	38.82	38.59	38.54	38.45	38.40	38.31	37.86	37.64	37.45
8	38.97	39.13	39.12	38.83	38.61	38.51	38.47	38.42	38.31	37.86	37.62	37.42
9	38.95	39.13	39.11	38.79	38.62	38.50	38.49	38.43	38.29	37.86	37.62	37.42
10	38.95	39.12	38.97	38.78	38.63	38.50	38.50	38.42	38.29	37.85	37.71	37.48
11	38.95	39.12	38.97	38.78	38.63	38.48	38.49	38.41	38.26	37.85	37.79	37.49
12	39.01	39.12	38.90	38.68	38.62	38.47	38.49	38.41	38.25	37.85	37.82	37.48
13	39.02	39.16	38.89	38.64	38.61	38.46	38.45	38.42	38.22	37.85	37.83	37.48
14	39.02	39.13	38.89	38.57	38.58	38.46	38.44	38.40	38.17	37.85	37.79	37.49
15	39.02	39.08	38.90	38.55	38.58	38.45	38.45	38.40	38.15	37.85	37.74	37.43
16	39.04	39.08	38.95	38.55	38.56	38.36	38.45	38.41	38.13	37.85	37.74	37.39
17	39.09	39.05	38.95	38.57	38.45	38.35	38.42	38.44	38.13	37.85	37.74	37.39
18	39.09	39.05	38.90	38.58	38.45	38.35	38.41	38.46	38.13	37.85	37.70	37.40
19	39.10	39.05	38.90	38.58	38.46	38.34	38.41	38.46	38.10	37.85	37.57	37.41
20	39.15	39.02	38.90	38.55	38.47	38.40	38.41	38.45	38.07	37.85	37.56	37.42
21	39.15	39.00	38.90	38.66	38.47	38.41	38.42	38.42	38.06	37.84	37.56	37.42
22	39.14	38.95	38.95	38.68	38.47	38.40	38.42	38.40	38.05	37.84	37.59	37.42
23	39.14	38.95	38.94	38.70	38.47	38.40	38.45	38.40	38.03	37.84	37.60	-
24	39.11	38.97	38.94	38.71	38.45	38.41	38.45	38.45	38.00	37.84	37.60	-
25	39.10	38.98	38.95	38.71	38.45	38.42	38.40	38.39	37.98	37.84	37.61	-
26	39.09	38.98	38.95	38.68	38.45	38.44	38.40	38.36	37.93	37.84	37.60	-
27	39.05	39.02	38.95	38.65	38.45	38.44	38.43	38.36	37.98	37.78	37.56	-
28	39.05	39.08	38.95	38.65	38.44	38.44	38.45	38.36	37.98	37.78	37.51	-
29	39.06	-	38.96	38.65	38.43	38.44	38.45	38.37	37.95	37.78	37.51	-
30	39.07	-	38.96	38.65	38.43	38.43	38.44	38.37	37.87	37.77	37.51	-
31	39.10	-	38.96	-	38.45	-	38.44	38.37	-	37.75	-	-

Table 5.--Maximum daily water levels for well 10N.5E.12.43244 and

well 10N.5E.12.43434, 1972-77

[Values are in feet below land surface]

Home Oil Recorder Well

10N.5E.12.43244

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	-	-	-	-	-	-	37.42	-	38.02	34.85	31.61	31.03
2	-	-	-	-	-	-	37.51	-	37.97	34.90	31.56	31.02
3	-	-	-	-	-	-	37.60	-	37.45	34.86	31.48	30.99
4	-	-	-	-	-	-	37.63	39.45	37.06	34.85	31.43	30.37
5	-	-	-	-	-	-	37.74	39.38	36.80	34.87	31.39	30.95
6	-	-	-	-	-	-	37.81	39.33	36.76	34.85	31.39	31.05
7	-	-	-	-	-	-	38.02	39.28	36.73	34.85	31.44	31.16
8	-	-	-	-	-	-	37.98	39.29	36.79	34.82	31.40	31.05
9	-	-	-	-	-	-	38.08	39.28	37.01	34.72	31.40	31.03
10	-	-	-	-	-	-	38.12	39.21	36.96	34.47	31.48	31.07
11	-	-	-	-	-	-	38.23	39.21	36.89	34.93	31.40	31.08
12	-	-	-	-	-	-	38.24	39.23	36.13	34.53	31.41	31.08
13	-	-	-	-	-	-	38.32	39.24	35.60	34.97	31.59	31.08
14	-	-	-	-	-	-	38.42	39.23	35.15	34.80	31.55	31.17
15	-	-	-	-	-	-	38.48	39.27	35.03	34.68	31.50	31.17
16	-	-	-	-	-	-	38.61	39.29	34.87	34.55	31.49	31.26
17	-	-	-	-	-	-	38.90	39.24	34.82	34.43	31.37	31.22
18	-	-	-	-	-	-	-	39.18	34.64	34.83	31.37	31.14
19	-	-	-	-	-	-	-	39.11	34.62	34.26	31.44	31.14
20	-	-	-	-	-	-	-	38.98	34.62	34.36	31.35	31.14
21	-	-	-	-	-	37.05	-	38.91	34.89	34.08	31.35	31.34
22	-	-	-	-	-	37.08	38.97	38.85	35.16	33.30	31.31	31.26
23	-	-	-	-	-	37.02	-	38.80	35.14	33.07	33.16	31.21
24	-	-	-	-	-	37.03	-	38.78	34.92	32.83	31.13	31.29
25	-	-	-	-	-	37.06	-	38.71	34.62	32.49	31.18	31.44
26	-	-	-	-	-	37.11	-	38.67	34.63	32.23	31.13	31.37
27	-	-	-	-	-	37.15	-	38.57	34.87	31.97	31.10	31.37
28	-	-	-	-	-	37.19	-	38.52	34.55	31.87	31.14	31.32
29	-	-	-	-	-	37.22	-	38.37	34.63	31.76	31.10	31.66
30	-	-	-	-	-	37.34	-	38.19	34.87	31.70	31.06	31.39
31	-	-	-	-	-	-	-	38.08	-	31.63	-	31.67

Table 5.--Maximum daily water levels for well 10N.5E.12.43244 and well 10N.5E.12.43434, 1972-77 - Continued

Home Oil Recorder Well
10N.5E.12.43244 Tijeras Canyon

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	31.32	30.26	25.26	21.50	21.55	23.23	25.76	27.60	29.21	30.00	31.05	-
2	31.18	30.36	24.95	21.23	21.62	23.27	25.90	27.64	29.26	30.00	31.08	-
3	31.14	30.39	24.95	20.83	21.79	23.35	26.01	27.68	29.34	30.00	31.11	-
4	31.11	30.50	24.74	20.23	21.80	23.47	26.10	27.75	29.41	30.00	31.14	31.90
5	31.09	30.48	-	19.84	21.81	23.58	26.14	27.75	29.47	30.29	31.17	-
6	31.06	30.23	-	19.63	21.88	23.67	26.21	27.75	29.54	30.31	31.22	32.01
7	31.07	29.30	-	19.52	21.93	23.73	26.29	27.77	29.58	30.34	31.24	32.00
8	31.08	28.38	-	19.50	21.97	23.77	26.39	27.81	29.62	30.35	31.37	32.00
9	31.02	27.98	-	19.43	22.04	23.92	26.48	27.88	29.68	30.37	31.37	32.00
10	30.97	27.77	-	19.35	22.08	23.96	26.58	27.94	29.75	30.40	31.45	31.99
11	31.03	27.69	-	19.30	22.14	24.06	26.66	27.99	29.69	30.45	31.47	31.98
12	31.00	27.93	-	19.29	22.24	24.13	26.68	28.02	29.62	30.47	31.52	31.98
13	30.98	27.90	-	19.29	22.33	24.24	26.78	28.02	29.61	30.50	31.53	31.98
14	31.02	27.90	-	19.40	22.37	24.34	26.83	28.02	29.50	30.55	31.54	31.98
15	30.91E	27.90	-	19.64	22.13	24.40	26.90	28.24	29.51	30.56	31.57	31.98
16	30.85E	27.90	-	19.93	22.13	24.52	27.02	28.25	29.55	30.56	31.59	32.02
17	30.80E	27.90	-	20.13	22.13	24.61	27.07	28.35	29.60	30.64	31.59	32.02
18	30.88E	27.91	-	20.38	22.13	24.66	27.09	28.42	29.65	30.67	31.59	32.03
19	30.75	28.00	-	20.43	22.20	24.74	26.60	28.80	29.67	30.79	31.58	32.04
20	30.55	27.88	-	20.62	22.30	24.83	26.59	28.56	29.70	30.79	-	32.07
21	30.43	27.80	-	20.77	22.49	24.83	26.59	28.56	29.74	30.79	-	32.09
22	30.45	27.75	-	20.85	22.52	24.83	26.64	28.60	29.77	30.81	31.64	32.10
23	30.50	27.75	-	20.89	22.60	24.83	26.77	28.63	29.82	30.84	-	32.10
24	30.51	27.50	-	20.92	22.65	24.83	26.88	28.69	29.83	30.94	-	32.11
25	30.45	27.00	-	20.92	22.70	24.95	27.02	28.76	29.88	30.93	-	32.12
26	30.34	26.48	23.00	21.23	22.70	25.42	27.17	28.83	29.93	30.93	-	32.13
27	30.33	26.08	23.00	21.30	22.90	25.54	27.25	28.89	29.99	30.94	-	32.16
28	30.41	25.63	23.12	21.30	22.97	25.60	27.30	28.93	30.00	30.97	-	32.17
29	30.59	-	23.18	21.32	23.10	25.65	27.37	29.06	30.00	30.99	31.83	32.19
30	30.34	-	23.00	21.43	23.13	25.72	27.43	29.13	30.00	30.99	-	32.19
31	30.26	-	22.15	-	23.18	-	27.55	29.15	-	31.04	-	32.20

E - Estimated

Table 5.---Maximum daily water levels for well 10N.5E.12.43244 and

well 10N.5E.12.43434, 1972-77 - Continued

Home Oil Recorder Well
10N.5E.12.43244

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	32.22	32.48	32.85	32.67	33.14	34.10	33.15	34.07	34.00	34.04	26.29	28.78
2	32.24	32.48	32.87	32.70	33.16	34.03	33.26	34.67	34.00	34.06	-	28.84
3	32.28	32.51	32.87	32.72	33.20	33.95	33.38	34.06	34.00	34.08	-	28.91
4	32.30	32.54	32.87	32.74	33.23	33.90	33.50	34.06	34.00	34.10	-	28.98
5	32.32	32.55	32.88	32.78	33.28	33.84	33.60	34.06	34.00	34.13	-	29.03
6	32.34	32.55	32.90	32.79	33.30	33.76	33.65	34.06	34.00	34.11	-	29.07
7	32.37	32.55	32.90	32.79	33.33	33.69	33.70	34.05	34.00	33.47	-	29.14
8	32.37	32.60	32.90	32.79	33.36	33.66	33.73	34.05	34.00	32.96	-	29.23
9	32.38	32.65	32.91	32.81	33.40	33.67	33.78	34.04	34.00	32.69	-	29.31
10	32.40	32.67	32.91	32.80	33.42	33.67	33.80	34.05	34.00	32.53	-	29.34
11	32.40	32.64	32.91	32.80	33.53	33.67	33.82	34.05	34.01	31.35	-	29.47
12	32.40	32.65	32.83	32.80	33.53	33.67	33.84	34.08	34.01	30.37	-	29.55
13	32.41	32.65	32.75	32.80	33.53	33.67	33.87	34.12	34.05	30.00	-	29.66
14	32.42	32.66	32.73	32.83	33.56	33.67	33.88	34.16	34.07	-	-	29.72
15	32.41	32.68	32.72	32.85	33.60	33.63	33.89	34.19	34.08	-	-	29.79
16	32.40	32.70	32.72	32.86	33.63	33.54	33.90	34.19	34.10	-	-	29.87
17	32.40	32.74	32.70	32.87	33.66	33.44	33.96	34.22	34.12	-	-	29.97
18	32.38	32.74	32.69	32.87	33.71	33.36	33.96	34.25	34.12	-	-	30.00
19	32.41	32.77	32.68	32.87	33.72	33.34	33.96	34.28	34.12	-	-	30.08
20	32.40	32.77	32.64	32.87	33.75	33.29	33.98	34.30	34.14	-	-	30.15
21	32.40	32.77	32.58	32.88	33.80	33.24	33.99	34.33	34.05	28.24	-	30.23
22	32.40	32.77	32.60	32.91	33.83	33.20	33.99	34.33	33.95	28.24	-	30.28
23	32.40	32.77	32.60	32.92	33.87	33.18	33.98	34.33	33.93	28.30	-	30.32
24	32.40	32.82	32.60	32.94	33.90	33.16	34.00	34.33	33.93	28.37	-	30.42
25	32.40	32.82	32.60	32.96	33.94	33.11	34.00	34.33	33.93	28.50	-	30.53
26	32.40	32.83	32.64	32.99	33.97	33.05	34.00	34.33	33.93	28.63	28.45	30.57
27	32.41	32.83	32.65	33.01	34.01	33.05	34.01	34.33	33.94	27.81	28.48	30.65
28	32.41	32.83	32.65	33.03	34.04	33.05	34.02	34.33	33.95	27.13	28.52	30.76
29	32.41	-	32.66	33.06	34.07	33.05	34.03	34.19	33.97	26.87	28.63	30.83
30	32.45	-	32.67	33.11	34.06	33.05	34.05	34.10	34.01	26.54	28.71	30.93
31	32.46	-	32.67	-	34.11	-	34.06	34.04	-	26.34	-	30.99

*Recorder removed - NMSHD request **Recorder re-installed.

Table 5.---Maximum daily water levels for well 10N.5E.12.43244 and well 10N.5E.12.43434, 1972-77 - Continued

Home Oil Recorder Well
10N.5E.12.43244

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	31.10	17.73	23.77	-	28.62	30.06	31.69	32.20	-	-	-	-
2	31.13	-	22.67	-	28.65	30.03	31.73	32.22	-	-	-	-
3	31.20	-	-	-	28.70	30.03	31.85	32.33	-	-	-	-
4	31.28	-	-	-	28.75	30.03	31.90	32.36	-	-	-	-
5	31.30	-	-	-	28.80	30.01	31.90	32.39	-	-	-	-
6	31.37	-	-	-	28.85	30.18	31.95	<u>1</u>	-	-	-	-
7	31.40	-	-	-	28.93	30.24	32.01	-	-	-	-	-
8	31.43	-	-	-	28.97	30.29	32.03	-	-	32.92	-	-
9	31.47	-	15.03	-	29.05	30.34	32.10	-	-	-	-	-
10	31.52	-	15.30	-	29.10	30.40	32.10	-	-	-	-	-
11	31.56	-	15.03	-	29.12	30.47	32.10	-	32.37	-	-	-
12	31.63	20.72	15.28	-	29.17	30.56	32.10	-	32.37	-	33.44	-
13	31.69	20.60	17.15	-	29.20	30.57	32.10	-	32.43	-	-	-
14	31.73	20.45	-	-	29.28	30.63	32.10	-	32.50	-	-	-
15	31.74	20.33	-	27.78	29.35	30.69	32.10	-	32.55	-	-	-
16	31.76	20.27	-	27.78	29.39	30.74	32.10	-	32.60	-	-	-
17	31.81	20.21	-	27.81	29.40	30.81	32.10	-	32.64	-	-	33.74
18	31.81	20.10	-	27.85	29.54	30.86	32.10	-	32.67	-	-	33.74
19	31.83	20.02	-	27.91	29.61	30.90	32.10	-	32.71	-	-	33.75
20	31.87	20.02	-	28.04	29.68	30.90	32.10	-	32.74	-	-	33.77
21	31.87	20.02	-	28.10	29.73	30.54	32.10	-	32.76	-	-	33.77
22	31.93	19.82	-	28.15	29.71	30.54	32.07	-	32.79	-	-	33.77
23	31.96	19.76	-	28.20	29.78	30.69	32.05	-	-	-	-	33.78
24	31.97	19.75	-	28.21	29.83	31.01	32.05	-	-	-	-	33.78
25	31.99	19.75	-	28.34	29.90	31.29	32.05	-	-	-	-	33.78
26	32.01	23.08	-	28.38	29.90	31.39	32.02	-	-	-	-	33.78
27	32.01	23.77	-	28.42	29.83	31.45	32.02	-	-	-	-	33.78
28	32.00	23.75	-	28.52	29.76	31.54	32.07	-	-	-	-	33.77
29	32.00	-	-	28.52	29.71	31.66	32.08	-	-	-	-	33.77
30	15.65	-	-	28.56	29.79	31.70	32.10	-	-	-	-	33.77
31	15.53	-	-	30.04	30.04	32.16	32.16	-	-	-	-	33.77

1/Following water levels for well 10N.5E.12.43434

Table 5.--Maximum daily water levels for well 10N.5E.12.43244 and

well 10N.5E.12.43434, 1972-77 - Continued

Home Oil II Recorder Well
10N.5E.12.43434

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	33.77	34.44	32.06	31.15	33.78	36.11	36.33	-	-	-	37.14	37.28
2	-	34.48	31.94	31.20	33.88	36.13	36.38	-	-	-	37.14	37.30
3	-	34.53	31.84	31.24	33.99	36.17	36.41	-	-	-	37.14	37.30
4	-	34.57	31.74	31.28	34.10	36.18	36.44	-	-	-	37.14	37.30
5	-	34.62	31.66	31.32	34.20	36.20	36.48	-	-	-	37.15	37.30
6	-	34.65	31.60	31.36	34.31	36.23	36.52	-	-	-	37.15	37.31
7	-	34.68	31.52	31.40	34.31	36.24	36.56	-	-	-	37.15	37.34
8	-	34.72	31.46	31.45	34.47	36.27	36.58	-	-	-	37.15	37.35
9	33.78	34.75	31.40	31.50	34.57	36.27	36.65	-	-	-	37.15	37.37
10	33.79	34.76	31.35	31.55	34.67	36.27	36.68	-	-	-	37.15	37.38
11	33.79	34.27	31.30	31.60	34.73	36.27	36.72	-	-	-	37.15	37.40
12	33.80	34.25	31.25	31.65	34.84	36.25	36.72	-	-	37.09	37.15	37.42
13	-	34.21	31.22	31.72	34.93	36.23	36.73	-	-	37.09	-	37.45
14	-	34.16	-	31.80	35.02	36.22	36.73	-	-	37.09	-	37.47
15	-	34.09	-	31.88	35.10	36.20	36.83	-	-	37.09	-	37.50
16	-	33.98	31.10	31.97	35.18	36.19	-	-	-	37.09	-	37.52
17	-	33.86	31.06	32.09	35.25	36.18	-	-	-	37.09	37.18	37.54
18	-	33.73	31.02	-	35.32	36.18	-	-	-	37.09	37.19	37.57
19	-	33.60	30.97	-	35.45	-	-	37.80	-	37.09	37.21	37.61
20	-	33.44	30.94	32.47	35.53	-	-	-	-	37.10	37.22	-
21	-	33.30	30.93	32.56	35.58	-	-	-	-	37.10	37.22	-
22	34.15	33.17	30.91	32.68	35.63	36.22	37.36	-	-	37.10	37.22	37.85
23	34.15	33.03	30.91	32.80	35.70	36.22	-	-	-	37.10	37.23	37.87
24	34.18	32.87	30.91	32.93	35.76	36.24	-	-	-	37.10	37.24	37.89
25	34.21	32.72	30.92	33.08	35.82	36.26	-	-	-	37.10	37.25	37.92
26	34.22	32.59	30.94	33.20	35.87	36.27	-	-	-	37.11	37.25	37.93
27	34.23	32.44	30.97	33.31	35.92	36.27	-	-	-	37.11	37.25	37.95
28	34.26	32.31	30.97	33.43	35.97	36.29	-	-	-	37.12	37.25	37.97
29	34.31	32.18	31.01	33.56	36.01	36.31	-	-	-	37.13	37.27	38.00
30	34.35	-	31.05	33.66	36.05	36.34	-	-	-	37.13	37.28	38.04
31	34.39	-	31.10	-	36.09	-	-	-	-	37.14	-	38.05

Table 5.---Maximum daily water levels for well 10N.5E.12.43244 and

well 10N.5E.12.43434, 1972-77 - Concluded

Home Oil Recorder Well
10N.5E.12.43244

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	38.08	38.62	38.59	37.48	37.85	37.93	38.48	39.55	36.86	36.01	37.48	37.15
2	38.12	38.62	38.56	37.47	37.86	37.93	38.54	39.56	36.79	36.08	37.50	37.14
3	38.15	38.63	38.53	37.46	37.87	37.94	38.59	39.57	36.74	36.15	37.52	37.11
4	38.17	38.63	38.51	37.45	37.88	37.94	38.64	39.57	36.67	36.21	37.55	37.10
5	38.19	38.64	38.48	37.45	37.89	37.94	38.65	39.57	36.60	36.29	37.57	37.09
6	38.23	38.64	38.45	37.45	37.89	37.94	38.69	39.57	36.50	36.36	37.60	37.07
7	38.25	38.65	38.42	37.45	37.90	37.94	38.74	39.57	36.39	36.44	37.61	37.05
8	38.33	38.65	38.40	37.46	37.90	37.94	38.79	39.57	36.27	36.50	37.62	37.02
9	38.36	38.65	38.36	37.46	37.92	37.95	38.84	39.57	36.15	36.57	37.65	37.00
10	38.38	38.65	38.31	37.47	37.93	37.95	38.83	39.57	36.03	36.64	37.68	36.96
11	38.40	38.65	38.27	37.47	37.94	37.95	38.92	39.57	35.92	36.70	37.69	36.94
12	38.40	38.65	38.23	37.48	37.95	37.95	38.96	39.57	35.83	36.76	37.70	36.90
13	38.42	38.65	38.20	37.49	37.95	37.94	38.99	39.57	35.73	36.83	37.70	36.85
14	38.45	38.65	38.15	37.50	37.96	37.94	39.04	39.57	35.66	36.88	37.70	36.81
15	38.46	38.60	38.13	37.51	37.96	37.94	39.08	39.57	35.60	36.93	37.69	36.76
16	38.47	38.60	38.09	-	37.96	37.93	39.11	39.57	35.55	36.98	37.67	36.74
17	38.49	38.60	38.04	-	37.94	37.93	39.15	39.57	35.54	37.02	37.65	36.70
18	-	38.60	37.99	-	37.95	37.98	39.18	39.55	35.52	37.05	37.61	36.68
19	38.47	38.60	37.96	-	37.95	37.99	39.22	39.48	35.51	37.10	37.57	36.65
20	38.49	38.60	37.92	-	37.95	38.01	39.25	39.33	35.53	37.13	37.53	36.64
21	38.51	38.61	37.88	37.64	37.95	38.03	39.28	39.10	35.54	37.16	37.49	36.62
22	38.53	38.61	37.85	37.65	37.95	38.05	39.31	39.87	35.55	37.20	37.45	36.60
23	38.55	38.61	37.80	37.67	37.94	38.09	39.33	38.53	35.60	37.23	37.41	-
24	38.56	38.61	37.75	37.71	37.94	38.13	39.36	38.25	35.63	37.26	37.37	-
25	38.58	38.62	37.70	37.74	37.94	38.17	39.38	37.98	35.66	37.29	37.33	-
26	38.59	38.62	37.65	37.78	37.93	38.21	39.40	37.75	35.71	37.32	37.29	-
27	38.60	38.62	37.63	37.80	37.93	38.26	39.45	37.53	35.76	37.35	37.25	-
28	38.60	38.61	37.58	37.82	37.93	38.32	39.47	37.35	35.83	37.38	37.22	-
29	38.60	-	37.55	37.83	37.93	38.37	39.50	37.19	35.89	37.41	37.20	-
30	38.61	-	37.52	37.85	37.93	38.42	39.52	37.06	35.95	37.44	37.18	-
31	38.61	-	37.50	-	37.93	-	39.54	36.95	-	37.46	-	-

Table 6.--Maximum daily water levels for well 10N.5E.22.14321, well 10N.5E.22.14323,
and well 10N.5E.22.14322, 1972-77

[Values are in feet below land surface]

Tijeras Recorder Well
10N.5E.22.14321

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	-	-	-	-	-	-	-	-	-	57.69	56.64	56.11
2	-	-	-	-	-	-	-	-	-	57.77	56.62	56.12
3	-	-	-	-	-	-	-	-	-	57.77	56.61	56.13
4	-	-	-	-	-	-	-	-	-	57.82	56.57	56.13
5	-	-	-	-	-	-	-	-	-	57.85	56.56	56.13
6	-	-	-	-	-	-	-	-	-	57.88	56.50	56.16
7	-	-	-	-	-	-	-	-	-	57.91	56.55	56.17
8	-	-	-	-	-	-	-	-	-	57.92	56.50	56.17
9	-	-	-	-	-	-	-	-	-	57.99	56.49	56.20
10	-	-	-	-	-	-	-	-	-	57.98	56.44	56.20
11	-	-	-	-	-	-	-	-	-	57.99	56.43	56.22
12	-	-	-	-	-	-	-	-	-	58.03	56.42	56.22
13	-	-	-	-	-	-	-	-	57.73	58.02	56.42	56.22
14	-	-	-	-	-	-	-	-	57.69	57.98	56.39	56.26
15	-	-	-	-	-	-	-	-	57.62	57.92	56.39	56.27
16	-	-	-	-	-	-	-	-	57.58	57.90	56.39	56.27
17	-	-	-	-	-	-	-	-	57.56	57.85	56.38	56.26
18	-	-	-	-	-	-	-	-	57.54	57.83	56.35	56.25
19	-	-	-	-	-	-	-	-	57.54	57.72	56.28	56.19
20	-	-	-	-	-	-	-	-	57.53	57.54	56.19	56.17
21	-	-	-	-	-	-	-	-	57.53	57.37	56.14	56.17
22	-	-	-	-	-	-	-	-	57.52	57.31	56.12	56.17
23	-	-	-	-	-	-	-	-	57.51	57.21	56.11	56.17
24	-	-	-	-	-	-	-	-	57.51	57.17	56.05	56.21
25	-	-	-	-	-	-	-	-	57.51	57.09	56.04	56.22
26	-	-	-	-	-	-	-	-	57.52	56.98	56.03	56.27
27	-	-	-	-	-	-	-	-	57.54	56.89	56.03	56.30
28	-	-	-	-	-	-	-	-	57.58	56.84	56.11	56.28
29	-	-	-	-	-	-	-	-	57.62	56.76	56.11	56.23
30	-	-	-	-	-	-	-	-	57.67	56.71	56.10	56.22
31	-	-	-	-	-	-	-	-	-	56.67	-	56.21

Table 6. --Maximum daily water levels for well 10N.5E.22.14321, well 10N.5E.22.14323,

and well 10N.5E.22.14322, 1972-77 - Continued

Tijeras Recorder Well

10N.5E.22.14321

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	56.21	55.52	54.51	53.85	49.85 E	49.15	51.05	50.77	51.96	52.57	52.81	52.91
2	56.19	55.51	54.50	53.81	49.73 E	49.21	51.02	50.82	52.03	52.58	52.81	52.91
3	56.17	55.49	54.50	53.71	49.60 E	45.26	50.80	50.95	52.04	52.58	52.83	52.92
4	56.14	55.47	54.46	53.55	49.47 E	49.33	50.64	51.01	52.17	52.60	52.84	52.93
5	56.12	55.42	54.46	53.35	49.35 E	49.35	50.44	51.11	52.20	52.63	52.87	52.93
6	56.09	55.27	54.46	53.20	49.23 E	49.40	50.33	51.20	52.20	52.63	52.87	52.94
7	56.08	55.27	54.45	53.08	49.10 E	49.56	50.30	51.33	52.27	52.65	52.87	52.93
8	56.04	55.23	54.44	52.97	48.97 E	49.58	50.30	51.37	52.29	52.65	52.87	52.93
9	56.02	55.20	54.42	52.87	48.83 E	49.59	50.28	51.43	52.29	52.65	52.85	52.92
10	56.00	55.17	54.39	52.73	48.68 E	49.65	50.29	51.49	52.22	52.67	52.85	52.94
11	55.99	55.13	54.36	52.60	48.63	49.55	50.29	51.55	52.24	52.68	52.85	52.96
12	55.96	55.13	54.33	52.48	48.63	49.44	50.30	51.55	52.24	53.72	52.85	53.00
13	55.94	55.09	54.30	52.35	48.78	49.40	50.07	51.58	52.31	52.75	52.85	53.02
14	55.92	55.06	54.30	52.19	48.84	49.40	49.94	51.51	52.39	52.79	52.85	53.04
15	55.88	55.05	54.29	52.08	48.82	49.41	49.93	51.55	52.39	52.66	52.85	53.04
16	55.87	54.96	54.28	51.92	48.81	49.38	49.97	51.55	52.39	52.67	52.85	53.05
17	55.84	54.86	54.24	51.87	48.84	49.35	49.94	51.63	52.40	52.68	52.85	53.05
18	55.83	54.85	54.22	51.88	48.90	49.35	49.78	51.68	52.40	52.70	52.85	53.06
19	55.75	54.84	54.23	-	48.95	49.37	49.66	51.73	52.40	52.73	52.85	53.08
20	55.74	54.76	54.20	52.37	48.96	49.33	49.60	51.76	52.40	52.73	52.85	53.11
21	55.72	54.76	54.18	52.20	49.00	49.11	49.59	51.85	52.40	52.73	52.87	53.09
22	55.71	54.70	54.17	51.96	49.04	48.87	49.58	51.92	52.40	52.73	52.88	53.08
23	55.71	54.68	54.16	51.73 E	49.15	48.80	49.61	51.87	52.40	52.73	52.88	53.08
24	55.68	54.66	54.16	51.48 E	49.20	48.74	49.63	51.89	52.40	52.73	52.88	53.08
25	55.66	54.65	54.14	51.32 E	49.24	48.80	49.14	51.93	52.40	52.74	52.89	53.10
26	55.63	54.60	54.13	50.98 E	49.23	48.95	49.15	51.91	52.44	52.76	52.88	53.11
27	55.62	54.54	54.18	50.74 E	49.23	49.55	49.42	51.89	52.47	52.78	52.90	53.12
28	55.62	54.03	54.16	50.50 E	49.28	50.30	50.36	51.95	52.49	52.78	52.92	53.07
29	55.59	-	54.10	50.25 E	49.20	50.63	50.67	51.93	52.53	52.78	52.92	53.06
30	55.54	-	54.03	49.98 E	49.10	50.80	50.87	51.97	52.54	52.79	52.91	53.06
31	55.52	-	53.93	-	49.10	-	50.81	51.95	-	52.80	-	53.06

E - Estimated

Table 6.--Maximum daily water levels for well 10N.5E.22.14321, well 10N.5E.22.14323,
and well 10N.5E.22.14322, 1972-77 - Continued

Tijeras Recorder Well
10N.5E.22.14321 and
replacement well 10N.5E.22.14323

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	53.10	53.34	-	34.75	34.99	35.44	34.71	35.20	36.12	35.62	35.51	36.49
2	53.11	53.35	-	34.86	35.03	35.40	38.69	35.23	36.20	35.52	35.53	35.88
3	53.15	53.38	-	34.88	34.94	35.40	35.36	35.23	36.28	35.44	35.33	35.68
4	53.16	53.43	-	35.08	34.93	35.47	34.82	35.24	36.34	35.48	35.28	35.63
5	53.20	53.44	-	35.04	34.85	35.48	34.77	35.21	36.25	35.37	37.34	35.53
6	53.24	53.43	-	34.82	34.86	35.46	34.77	35.30	36.19	35.33	35.83	35.52
7	53.28	53.43	35.32	34.78	34.98	35.51	34.82	35.47	36.08	35.35	35.54	35.46
8	53.30	53.43	34.98	34.78	35.08	35.37	34.82	35.53	36.01	35.47	35.40	35.44
9	53.32	53.36	34.80	34.95	35.14	35.37	34.85	35.33	36.08	35.48	35.27	35.42
10	53.33	53.17	34.74	34.97	35.04	35.38	34.87	35.32	36.18	35.48	35.22	35.46
11	53.32	53.20	34.78	34.81	35.27	35.39	34.99	35.36	36.09	35.33	35.20	35.52
12	53.32	1/	34.86	34.72	35.48	35.10	35.10	35.35	36.04	35.32	35.39	35.50
13	53.29	-	34.83	34.84	35.43	35.18	35.18	35.39	36.17	35.29	35.35	35.47
14	53.27	-	34.83	35.18	35.27	35.45	35.21	35.37	35.95	35.29	35.39	35.40
15	53.27	-	34.84	35.21	35.74	35.45	35.12	35.40	35.88	35.40	35.58	35.37
16	53.27	-	34.75	35.06	35.57	35.43	34.97	35.40	35.86	35.45	35.57	35.35
17	53.27	-	34.60	34.94	35.36	35.42	34.95	35.40	35.95	35.50	35.58	35.45
18	53.28	-	34.72	34.94	35.22	35.44	35.51	35.40	35.80	35.43	35.57	35.47
19	53.32	-	34.87	35.07	35.15	35.48	35.00	35.44	35.68	35.37	35.52	35.44
20	53.31	-	34.88	34.98	35.16	35.71	34.96	36.43	35.68	35.32	35.52	35.43
21	53.31	-	34.93	34.88	35.43	35.62	34.95	36.42	35.57	35.32	35.55	35.34
22	53.31	-	34.85	34.88	35.48	35.81	34.95	36.46	35.48	35.43	35.49	35.28
23	53.31	-	34.82	35.02	35.46	34.86	35.16	36.45	35.45	35.55	35.68	35.26
24	53.30	-	34.88	35.07	35.35	34.97	35.10	36.42	35.58	35.40	35.68	35.27
25	53.30	-	34.89	35.20	35.21	34.69	35.17	36.42	35.56	35.35	35.57	35.26
26	53.30	-	35.02	35.10	35.15	34.70	35.13	36.38	35.57	35.32	35.46	35.25
27	53.30	-	34.87	34.88	35.15	34.70	35.15	36.37	35.63	35.28	35.60	35.26
28	53.30	-	34.92	34.85	35.21	34.73	35.17	36.43	35.43	35.27	35.86	35.27
29	53.30	-	34.85	34.84	35.27	34.69	35.14	36.45	35.40	35.46	35.94	35.27
30	53.31	-	34.77	35.01	35.38	34.70	35.20	36.32	35.41	38.12	35.90	35.28
31	53.33	-	34.72	-	35.33	-	35.17	36.14	-	35.68	-	35.27

1/ Following water levels are for well 10N.5E.22.14323

Table 6. ---Maximum daily water levels for well 10N.5E.22.14321, well 10N.5E.22.14323,

and well 10N.5E.22.14322, 1972-77 - Continued

Tijeras Recorder Well
10N.5E.22.14323 and

replacement well 10N.5E.22.14322

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	35.13	34.98	34.90	35.18	35.67	36.17	-	43.67	-	45.15	45.87	45.22
2	35.07	34.79	34.72	35.22	35.86	36.17	-	43.73	-	45.18	45.91	45.33
3	35.19	34.78	34.62	35.25	35.63	36.45	-	43.78	-	45.20	45.93	45.45
4	35.12	34.90	34.81	35.27	35.60	36.52	-	43.90	-	45.22	-	45.54
5	37.78	34.84	34.74	35.26	35.58	36.54	-	42.97	-	45.24	-	45.60
6	36.45	34.86	34.89	35.25	35.77	36.53	-	43.97	-	45.27	-	45.60
7	35.70	34.83	34.78	35.24	35.74	36.47	-	44.04	-	45.30	-	45.51
8	35.59	34.78	34.75	35.35	35.87	36.43	36.27	44.12	44.64	45.37	45.96	45.42
9	35.68	34.74	34.70	35.51	35.78	36.43	36.19	44.16	44.55	45.41	46.01	45.40
10	35.50	34.73	34.69	35.48	35.70	36.46	36.15	44.23	44.37	45.44	46.04	-
11	35.48	34.84	34.75	35.47	35.67	^{2/}	36.14	44.29	44.37	45.44	46.06	-
12	35.46	34.88	34.91	35.38	35.67	-	36.17	44.30	40.62	45.44	46.04	-
13	35.48	34.80	34.91	35.37	35.94	-	36.22	44.32	43.88	45.46	46.05	-
14	35.54	34.74	34.76	35.37	35.85	-	36.25	44.52	44.20	45.49	46.14	-
15	35.68	34.83	34.70	35.46	35.86	-	36.27	44.60	44.22	45.51	46.27	-
16	35.57	34.79	34.54	35.52	35.88	-	42.74	44.64	44.35	45.53	46.38	-
17	35.63	34.78	34.47	35.54	35.83	-	42.73	44.59	44.37	45.54	46.13	45.03
18	35.45	34.78	34.98	35.54	35.80	-	42.69	44.53	44.39	45.54	45.67	45.14
19	35.43	34.78	34.84	35.48	35.80	-	42.69	44.52	44.45	45.54	45.45	45.55
20	35.37	34.83	34.94	35.45	35.87	-	42.72	44.52	44.48	45.53	45.45	45.64
21	35.47	34.87	35.09	35.45	35.96	-	42.75	44.52	44.58	45.55	45.54	45.90
22	35.42	34.93	35.05	35.65	36.02	-	42.98	44.55	44.72	45.58	45.53	45.58
23	35.46	34.80	35.07	35.73	35.99	-	43.14	44.58	44.80	45.61	45.42	44.81
24	35.44	34.86	35.08	35.65	35.98	-	43.20	44.60	44.90	45.78	45.33	44.36
25	35.39	34.87	35.13	35.65	35.95	-	43.23	44.62	45.00	45.81	45.33	44.09
26	35.32	34.87	35.13	35.71	35.95	-	43.26	44.64	45.03	-	45.57	43.93
27	35.29	34.84	35.14	35.70	35.96	-	43.31	44.68	45.06	-	46.04	43.85
28	35.22	34.68	35.13	35.70	36.32	-	43.35	44.69	45.08	-	45.38	43.80
29	35.20	-	35.13	35.69	36.36	-	43.39	44.69	45.11	-	45.02	43.76
30	35.06	-	35.13	35.67	36.33	-	43.61	-	45.13	-	45.09	43.74
31	35.09	-	35.13	-	36.18	-	43.62	-	45.13	45.84	-	43.73

^{2/} Following water levels for well 10N.5E.22.14322

Table 6.--Maximum daily water levels for well 10N.5E.22.14321, well 10N.5E.22.14323,
and well 10N.5E.22.14322, 1972-77 - Continued

Tijeras IV Recorder Well
10N.5E.22.14322

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	43.73	44.95	46.10	46.92	47.94	48.79	49.30	49.17	49.59	-	-	-
2	43.74	44.98	46.10	46.92	47.90	48.81	49.34	49.26	49.59	-	-	-
3	43.77	44.94	46.23	47.12	48.00	48.81	49.43	49.35	49.61	-	-	-
4	43.77	44.93	46.31	47.40	48.21	48.82	49.50	49.41	49.70	-	-	-
5	43.76	44.99	46.43	47.59	48.34	48.85	49.59	49.44	49.80	-	-	-
6	43.72	45.08	46.46	47.43	48.44	48.87	49.68	49.49	49.83	-	-	-
7	43.70	45.14	46.51	47.41	48.51	48.91	49.72	49.54	49.94	-	-	-
8	43.70	45.20	46.39	47.45	48.56	48.98	49.78	49.59	50.00	-	-	-
9	43.77	45.25	46.37	47.62	48.20	49.02	49.82	49.63	50.05	-	-	-
10	43.77	45.30	46.39	47.62	46.83	49.06	49.88	49.65	50.08	-	-	-
11	43.87	45.34	46.59	47.79	46.39	49.09	49.91	49.65	50.08	-	-	-
12	43.93	45.39	46.78	47.85	46.39	49.14	49.93	49.66	50.00	49.54	-	-
13	44.01	45.48	46.91	47.89	46.94	49.17	49.97	49.67	50.00	-	-	-
14	44.17	45.53	46.76	47.92	47.45	49.23	49.75	49.72	50.00	-	-	-
15	44.28	45.53	46.44	47.93	47.78	49.28	49.71	49.75	49.97	-	-	-
16	44.33	45.55	46.39	47.93	48.10	49.31	49.70	49.79	49.97	-	-	-
17	44.37	45.59	46.42	47.95	48.28	49.34	49.70	49.82	50.00	-	47.54	-
18	44.42	45.90	46.63	47.89	48.21	49.37	49.70	49.85	50.00	-	47.54	-
19	44.46	46.25	46.93	47.10	48.17	49.39	49.71	49.86	50.02	-	47.58	-
20	44.53	46.13	47.13	46.52	48.17	49.42	49.71	49.91	50.07	-	47.83	-
21	44.59	46.06	47.28	46.52	48.30	49.45	49.71	49.94	50.10	-	47.93	-
22	44.63	45.97	46.93	46.68	48.41	49.50	49.68	49.96	-	-	47.90	46.69
23	44.77	45.91	46.67	47.03	48.49	49.54	49.67	49.96	-	-	47.36	46.70
24	44.88	45.85	46.67	47.32	48.55	49.56	49.64	49.96	-	-	47.36	46.70
25	44.90	45.84	46.91	47.54	48.59	49.60	49.52	49.96	-	-	47.46	46.69
26	44.93	45.83	47.22	47.69	48.60	49.61	49.20	49.96	-	-	47.72	46.69
27	44.99	45.80	47.41	47.82	48.62	49.64	48.86	49.96	-	-	47.50	46.69
28	45.03	45.80	47.53	47.92	48.64	49.67	48.86	49.96	-	-	47.08	46.69
29	44.99	46.00	47.63	48.00	48.67	49.40	48.86	49.96	-	-	46.87	46.70
30	44.94	-	47.41	48.11	48.72	49.30	48.97	49.96	-	-	46.84	46.72
31	44.94	-	47.12	-	48.75	-	49.09	49.69	-	-	-	46.75

Table 6.---Maximum daily water levels for well 10N.5E.22.14321, well 10N.5E.22.14323,

and well 10N.5E.22.14322, 1972-77 - Concluded

Tijeras Recorder Well
10N.5E.22.14321

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	46.76	46.80	46.95	46.99	48.04	49.32	49.86	49.90	48.94	49.22	48.60	48.39
2	46.74	46.81	-	47.02	48.04	49.06	49.86	49.81	48.95	49.24	48.58	48.39
3	46.72	46.80	-	47.16	47.74	48.94	49.86	49.81	48.95	49.25	48.56	48.38
4	46.72	46.75	-	47.77	47.74	48.94	49.85	49.70	48.95	49.29	48.54	48.38
5	46.72	46.73	-	48.04	47.95	49.01	49.85	49.65	48.92	49.30	48.52	48.38
6	46.72	46.72	-	48.21	48.04	49.13	49.85	49.59	48.89	49.31	48.50	48.38
7	46.70	46.72	-	48.11	48.04	49.18	49.86	49.51	48.88	49.16	48.49	48.38
8	46.70	46.72	-	48.07	48.04	49.20	49.85	49.42	48.87	48.91	48.40	48.38
9	46.70	46.73	-	47.99	48.04	49.20	49.84	49.33	48.87	48.78	48.39	48.38
10	46.67	46.75	-	47.99	48.04	49.20	49.83	49.28	48.86	48.70	48.30	48.38
11	46.67	46.77	-	47.26	48.04	49.20	49.83	49.24	48.87	48.65	48.30	48.37
12	46.67	46.78	-	47.14	48.65	49.22	49.83	49.18	48.87	48.63	48.30	48.37
13	46.69	46.78	-	47.15	48.69	49.26	49.82	49.07	48.87	48.62	48.29	48.38
14	46.70	46.79	46.62	47.65	48.71	49.31	49.82	48.90	48.86	48.61	48.29	48.38
15	46.71	46.80	46.62	48.01	48.76	49.35	49.81	48.70	48.86	48.60	48.29	48.38
16	46.72	46.82	46.65	48.05	48.81	49.36	49.81	48.52	48.83	48.60	48.29	48.38
17	46.72	46.82	46.65	47.90	48.85	49.38	49.83	48.46	48.81	48.59	48.30	48.38
18	46.73	46.81	46.67	47.68	48.90	49.41	49.85	48.45	48.80	48.57	48.31	48.38
19	46.74	46.80	46.70	47.45	48.82	49.44	49.86	48.46	48.80	48.51	48.34	48.38
20	46.79	46.80	46.75	47.45	48.67	49.48	49.86	48.49	48.82	48.42	48.36	48.37
21	46.76	46.80	46.79	47.50	48.65	49.51	49.85	48.49	48.85	48.40	48.38	-
22	46.75	46.80	46.64	47.10	48.65	49.51	49.95	48.49	48.91	48.40	48.40	-
23	46.73	46.83	46.50	46.98	48.79	49.62	49.94	48.49	48.95	48.40	48.40	-
24	46.69	46.90	46.50	46.90	48.92	49.66	49.90	48.49	49.02	48.45	48.40	-
25	46.68	47.00	46.59	46.80	48.99	49.70	49.90	48.48	49.07	48.63	48.41	-
26	46.68	47.02	46.72	46.77	49.07	49.75	49.90	48.49	49.12	48.72	48.41	-
27	46.68	46.95	46.82	46.85	49.11	49.78	49.90	48.57	49.15	48.75	48.41	-
28	46.73	46.95	46.90	47.53	49.16	49.80	49.90	48.70	49.17	48.75	48.40	-
29	46.75	-	46.92	47.96	49.21	49.83	49.90	48.79	49.20	48.75	48.40	-
30	46.77	-	46.93	48.03	49.25	49.85	49.74	48.86	49.20	48.69	48.40	-
31	46.78	-	46.95	-	49.29	-	49.92	48.91	-	48.64	-	-

Table 7.---Maximum daily water levels for well 10N.6E.29.11431, 1976-77

[Values are in feet below land surface]

Dead Man Curve Recorder
10N.5E.29.11431

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	-	32.83	31.57	31.25	32.27	33.53	36.42	38.53	38.97	38.61	39.52	39.80
2	-	32.76	31.52	31.29	32.27	33.57	36.55	38.53	39.03	38.55	39.54	39.80
3	-	32.71	31.38	31.34	32.30	33.62	36.70	38.53	39.05	38.51	39.52	39.79
4	-	32.70	31.39	31.39	32.39	33.68	36.84	38.49	39.10	38.50	39.53	39.80
5	-	32.68	31.48	31.38	32.40	33.79	36.97	38.47	39.14	38.50	39.56	39.80
6	-	32.66	31.43	31.43	32.45	33.87	37.10	38.46	39.17	38.45	39.59	39.84
7	-	32.59	31.32	31.46	32.54	33.95	37.17	38.43	39.21	38.51	39.63	39.85
8	-	32.46	31.34	31.55	32.53	34.00	37.28	38.44	39.26	38.50	39.61	39.86
9	-	32.34	31.30	31.55	32.55	34.07	37.39	38.44	39.30	38.51	39.60	39.86
10	-	32.33	31.24	31.58	32.58	34.10	37.45	38.48	39.32	38.52	39.59	39.88
11	-	32.17	31.16	31.62	32.53	34.12	37.56	38.52	39.32	38.52	39.59	39.92
12	-	33.00	31.25	31.56	32.56	34.22	37.65	38.54	39.32	38.52	39.57	39.92
13	-	32.87	31.18	31.60	32.60	34.29	37.75	38.57	39.33	38.60	39.53	39.92
14	-	32.77	31.10	31.63	32.61	34.34	37.83	38.58	39.35	38.60	39.52	39.91
15	-	32.59	31.11	31.56	32.63	34.48	37.88	38.62	39.36	38.62	39.52	39.91
16	-	32.46	31.10	31.60	32.73	34.56	38.03	38.69	39.36	38.73	39.53	39.90
17	-	32.37	31.01	31.69	32.78	34.60	38.06	38.76	39.37	38.78	39.58	39.87
18	-	32.24	30.99	31.84	32.79	34.75	38.06	38.80	39.35	38.79	39.55	39.85
19	-	32.07	30.94	31.84	32.82	34.88	38.09	38.84	39.33	38.87	39.58	39.83
20	-	32.02	30.97	31.84	32.87	35.00	38.14	38.85	39.30	38.93	39.62	39.82
21	32.79	32.10	31.07	31.90	32.94	35.10	38.20	38.80	39.24	39.00	39.66	39.75
22	32.87	32.08	31.08	31.92	32.98	35.22	38.26	38.78	39.17	39.03	39.69	39.72
23	32.85	31.96	30.99	31.96	33.02	35.34	38.34	38.77	39.13	39.08	39.71	39.66
24	32.82	31.83	31.02	32.03	33.07	35.49	38.40	38.73	39.06	39.16	39.73	39.60
25	32.86	31.91	30.94	31.97	33.09	35.62	38.45	38.75	38.98	39.24	39.72	39.60
26	32.92	31.82	31.05	32.00	33.16	35.73	38.49	38.77	38.92	39.26	39.72	39.50
27	32.94	31.73	30.98	32.09	33.27	35.84	38.52	38.77	38.88	39.33	39.65	39.43
28	32.96	31.64	31.01	32.19	33.27	36.00	38.55	38.83	38.80	39.40	39.78	39.37
29	32.93	31.60	31.07	32.21	33.27	36.13	38.54	38.87	38.73	39.42	39.80	39.26
30	32.87	-	31.22	32.25	33.34	36.30	38.54	38.90	38.67	39.46	39.80	39.19
31	32.90	-	31.22	-	33.43	-	38.54	38.92	-	39.48	-	39.11

Table 7.--Maximum daily water levels for well 10N.6E.29.11431, 1976-77 - Concluded

Dead Man Curve Recorder
10N.5E.29.11431

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	39.04	38.30	37.72	36.86	35.49	37.70	39.44	40.20	38.36	39.12	39.77	38.41
2	38.97	38.29	37.70	36.84	35.43	37.70	39.49	40.18	38.20	39.23	39.77	38.40
3	38.87	38.28	37.72	36.83	35.33	37.70	39.55	40.17	37.93	39.32	39.79	38.38
4	38.84	38.25	37.72	36.83	35.30	37.72	39.62	40.17	36.81	39.38	39.78	38.34
5	38.79	38.18	37.74	36.80	35.30	37.73	39.68	40.17	36.56	39.44	39.80	38.34
6	38.77	38.18	37.72	36.77	35.34	37.73	39.74	40.20	36.42	39.51	39.86	38.32
7	38.70	38.16	37.67	36.70	35.51	37.76	39.79	40.26	36.38	39.55	39.93	38.26
8	38.65	38.13	37.62	36.65	35.79	37.76	39.84	40.30	36.38	39.59	39.96	38.27
9	38.65	38.09	37.55	36.58	36.07	37.80	39.91	40.34	36.41	39.60	39.90	38.30
10	38.68	38.08	37.49	36.52	36.35	37.85	39.94	40.37	36.57	39.62	39.75	38.28
11	38.68	38.05	37.52	36.49	36.63	37.91	39.97	40.41	36.70	39.68	39.58	38.25
12	38.67	38.05	37.55	36.47	36.90	37.95	39.97	40.43	36.84	39.72	39.42	38.20
13	38.66	38.01	37.45	36.38	37.09	38.00	39.97	40.38	37.01	39.75	39.28	38.25
14	38.67	38.00	37.42	36.34	37.21	38.07	39.98	40.09	37.21	39.77	39.14	38.21
15	38.68	37.99	37.47	36.32	37.39	38.15	40.00	40.02	37.34	39.83	39.04	38.14
16	38.72	37.98	37.35	36.32	37.47	38.19	40.05	39.87	37.48	39.86	38.97	38.14
17	38.72	37.95	37.33	36.25	37.56	38.27	40.09	39.65	37.65	39.87	38.88	38.20
18	38.72	37.95	37.30	36.19	37.60	38.35	40.11	39.37	37.79	39.92	38.80	38.15
19	38.60	37.95	37.30	36.16	37.69	38.43	40.15	39.14	37.94	39.96	38.73	38.19
20	38.59	37.90	37.25	36.16	37.70	38.50	40.18	38.86	38.04	39.98	38.72	38.26
21	38.59	37.86	37.30	36.17	37.75	38.59	40.21	38.65	38.16	39.92	38.69	-
22	38.57	37.80	37.22	36.12	37.79	38.68	40.25	38.50	38.29	39.87	38.65	-
23	38.55	37.87	37.17	36.08	37.81	38.77	40.27	38.40	38.38	39.86	38.62	-
24	38.55	37.83	37.13	36.03	37.82	38.86	40.29	38.32	38.50	39.82	38.60	-
25	38.51	37.83	37.10	35.93	37.82	38.96	40.32	38.28	38.60	39.81	38.59	-
26	38.47	37.87	37.09	35.85	37.80	39.05	40.34	38.22	38.70	39.80	38.50	-
27	38.45	37.86	37.02	35.78	37.78	39.12	40.36	38.24	38.81	39.79	38.46	-
28	38.44	37.82	37.02	35.71	37.74	39.21	40.35	38.26	38.89	39.77	38.46	-
29	38.40	-	37.00	35.64	37.74	39.30	40.32	38.30	38.98	39.77	38.46	-
30	38.40	-	37.03	35.55	37.75	39.35	40.27	38.31	39.05	39.78	38.42	-
31	38.35	-	36.90	-	37.75	-	40.23	38.32	-	39.78	-	-

Table 8.---Maximum daily water levels for well ION.6E.5.33231, 1972-76

[Values are in feet below land surface]

Junction Recorder Well
ION.6E.5.33231

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	-	-	-	-	-	-	-	-	-	61.69	58.97	58.98
2	-	-	-	-	-	-	-	-	-	61.69	58.97	58.98
3	-	-	-	-	-	-	-	-	-	61.69	58.99	58.97
4	-	-	-	-	-	-	-	-	-	61.75	58.98	58.87
5	-	-	-	-	-	-	-	-	-	61.75	58.92	58.84
6	-	-	-	-	-	-	-	-	-	61.78	59.03	59.03
7	-	-	-	-	-	-	-	-	64.14	61.77	59.05	59.08
8	-	-	-	-	-	-	-	-	64.15	61.77	59.03	59.08
9	-	-	-	-	-	-	-	-	64.15	61.77	58.88	59.10
10	-	-	-	-	-	-	-	-	64.15	61.78	58.88	59.20
11	-	-	-	-	-	-	-	-	64.08	61.85	58.89	59.22
12	-	-	-	-	-	-	-	-	63.87	61.92	58.78	59.23
13	-	-	-	-	-	-	-	-	63.65	61.89	58.72	59.38
14	-	-	-	-	-	-	-	-	63.33	61.78	58.84	59.40
15	-	-	-	-	-	-	-	-	62.95	61.67	58.83	59.58
16	-	-	-	-	-	-	-	-	62.67	61.59	58.84	59.71
17	-	-	-	-	-	-	-	-	62.51	61.49	58.80	59.74
18	-	-	-	-	-	-	-	-	62.40	61.49	58.80	59.74
19	-	-	-	-	-	-	-	-	62.23	61.39	58.89	59.74
20	-	-	-	-	-	-	-	-	62.17	61.21	58.80	59.74
21	-	-	-	-	-	-	-	-	62.07	60.95	58.80	59.80
22	-	-	-	-	-	-	-	-	61.86	60.75	58.85	59.83
23	-	-	-	-	-	-	-	-	61.75	60.50	58.75	59.83
24	-	-	-	-	-	-	-	-	61.74	60.29	58.72	60.02
25	-	-	-	-	-	-	-	-	61.74	60.00	58.75	60.02
26	-	-	-	-	-	-	-	-	61.75	59.76	58.76	60.16
27	-	-	-	-	-	-	-	-	61.75	59.54	58.73	60.18
28	-	-	-	-	-	-	-	-	61.74	59.35	58.85	60.00
29	-	-	-	-	-	-	-	-	61.75	59.09	58.90	60.00
30	-	-	-	-	-	-	-	-	61.75	59.98	58.92	60.00
31	-	-	-	-	-	-	-	-	-	58.98	-	59.69

Table 8.--Maximum daily water levels for well 10N.6E.5.33231, 1972-76 - Continued

Junction Recorder Well
10N.6E.5.33231

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	59.67	59.01	53.95 E	48.70	47.00	50.88	54.14	56.14 E	57.42	58.76	59.90	60.97
2	59.31	59.14	53.50 E	48.58	47.49	50.93	54.26	56.19 E	57.50	58.80	59.90	60.85
3	59.27	59.25	53.19 E	48.44	47.77	50.98	54.41	56.23 E	57.58	58.84	59.95	60.85
4	59.19	59.25	52.93 E	47.98	47.83	51.20	54.53	56.27 E	57.61	58.89	60.02	60.80
5	59.17	59.25	52.70 E	47.38	47.83	51.41	54.57	56.32 E	57.74	58.97	60.08	60.97
6	59.14	59.10	52.50 E	46.84	47.90	51.62	54.62	56.35 E	57.80	58.99	60.12	61.08
7	59.14	58.81	52.32 E	46.44	48.14	51.70	54.67	56.40 E	57.82	59.00	60.12	61.10
8	59.14	58.48	52.14 E	46.23	48.43	51.78	54.78	56.44 E	57.81	59.00	60.17	61.10
9	59.11	58.09	52.04 E	45.99	48.58	51.90	54.89	56.48 E	57.87	59.00	60.25	61.10
10	59.11	57.74	52.01 E	45.74	48.73	51.99	55.01	56.53 E	58.02	59.00	60.32	61.25
11	59.19	57.40	51.85 E	45.58	48.89	52.07	55.10	56.57 E	58.06	59.05	60.34	61.26
12	59.24	57.32	51.70 E	45.47	49.13	52.15	55.20	56.62 E	58.04	59.09	60.37	61.26
13	59.24	57.25	51.68 E	45.33	49.31	52.30	55.26	56.65 E	58.04	59.22	60.33	61.23
14	59.27	57.12	51.65 E	45.18	49.45	52.42	55.26	56.70 E	58.13	59.37	60.35	61.23
15	59.24	57.09	51.49 E	45.18	49.60	52.46	55.40	56.74 E	58.14	59.39	60.37	61.28
16	59.17	57.05	51.35 E	45.33	49.52	52.67	55.47E	56.79	58.15	59.40	60.46	61.42
17	59.12	57.03	51.19 E	45.37	49.50	52.79	55.50E	56.82	58.20	59.44	60.46	61.38
18	59.14	57.02	51.05 E	45.20	49.50	52.85	55.55E	56.83	58.26	59.59	60.48	61.33
19	58.99	57.02	50.88 E	45.23	49.50	52.96	55.59E	56.84	58.30	59.59	60.40	61.38
20	58.98	57.02	50.74 E	45.43	49.54	53.20	55.63E	56.96	58.32	59.59	60.40	61.53
21	58.98	56.57	50.50 E	45.73	49.65	53.35	55.68E	57.00	58.35	59.58	60.45	61.54
22	58.98	56.46	50.15 E	45.97	49.73	53.46	55.72E	57.04	58.39	59.60	60.54	61.47
23	59.15	56.40	49.96 E	46.00	49.85	53.54	55.78	57.05	58.43	59.66	60.60	61.40
24	59.17	56.28	49.65 E	46.00	49.95	53.59	55.80	57.09	58.40	59.66	60.61	61.40
25	59.12	56.15	49.16 E	46.23	50.00	53.65	55.84	57.10	58.43	59.69	60.61	61.53
26	58.99	55.79	48.94 E	46.46	50.00	53.70	55.88	57.10	58.47	59.72	60.61	61.53
27	58.99	55.27	48.89 E	46.76	50.10	53.80	55.93	57.25	58.59	59.77	60.61	61.60
28	59.22	54.70	49.00 E	46.77	50.40	53.92	55.97	57.28	58.70	59.85	60.88	61.60
29	59.17	-	49.04	46.85	50.58	53.97	56.06	57.36	58.70	59.83	60.96	61.60
30	59.05	-	49.15	46.99	50.73	54.02	56.06	57.38	58.72	59.83	60.96	61.64
31	58.98	-	49.08	-	50.82	-	56.10	57.38	-	59.85	-	61.65

E Estimated water level.

Table 8.--Maximum daily water levels for well 10N.6E.5.33231, 1972-76 - Continued

Junction Recorder Well

10N.6E.5.33231

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	61.72	62.40	63.14	63.14	63.73	64.14	64.69	65.25	63.90	62.32	59.08	59.34
2	61.72	62.40	63.04	63.14	63.73	64.14	64.70	65.26	63.78	62.33	58.90	59.37
3	61.85	62.46	63.02	63.14	63.74	64.14	64.70	65.26	63.64	62.35	58.85	59.44
4	61.87	62.50	63.02	63.19	63.75	64.14	64.74	65.30	63.58	62.35	58.83	59.51
5	61.86	62.43	63.03	63.33	63.76	64.15	64.78	65.30	63.52	62.35	58.77	59.55
6	61.86	62.43	63.07	63.29	63.77	64.15	64.78	65.30	63.52	62.25	58.77	59.55
7	61.90	62.49	63.07	63.29	63.79	64.14	64.78	65.30	63.52	62.36	58.77	59.55
8	61.92	62.53	63.07	63.33	63.79	64.14	64.78	65.30	63.52	62.14	56.68	59.73
9	61.93	62.60	63.10	63.29	63.79	64.30	64.79	65.32	63.52	61.87	58.68	59.83
10	61.94	62.60	63.15	63.28	63.78	64.33	64.80	65.34	63.49	61.68	58.68	59.83
11	62.02	62.60	63.16	63.28	63.80	64.37	64.81	65.35	63.50	61.52	58.68	59.83
12	62.10	62.60	63.16	63.29	63.84	64.38	64.84	65.37	63.52	61.28	58.75	59.84
13	62.10	62.73	63.13	63.30	63.86	64.39	-	65.40	63.60	60.92	58.70	59.95
14	62.10	62.73	63.13	63.41	63.86	64.39	-	65.41	63.60	60.74	58.70	59.98
15	62.10	62.74	63.13	63.45	63.85	64.42	-	65.42	63.60	60.45	58.70	60.02
16	62.10	62.78	63.13	63.46	63.87	64.45	-	65.44	63.60	60.32	58.70	60.02
17	62.10	62.77	63.14	63.48	63.88	64.45	-	65.47	63.60	60.22	58.72	60.23
18	62.10	62.76	63.13	63.48	63.97	64.45	-	-	63.60	60.10	58.77	60.23
19	62.24	62.76	63.12	63.47	63.97	64.47	65.13	-	63.57	59.94	58.73	60.26
20	62.24	62.76	63.11	63.47	63.97	64.47	65.13	65.49	63.54	59.85	58.90	60.33
21	62.24	62.76	63.11	63.47	64.00	64.50	65.13	65.49	63.42	59.70	58.95	60.44
22	62.25	62.90	63.10	63.52	64.02	64.50	65.13	65.49	63.16	59.70	58.93	60.43
23	62.31	62.91	63.10	63.52	64.02	64.50	65.13	65.51	62.88	59.70	58.93	60.43
24	62.33	62.97	63.11	63.52	64.02	64.50	65.13	65.51	62.74	59.65	59.05	60.53
25	62.33	63.02	63.11	63.52	64.01	64.59	65.14	65.51	62.64	59.65	59.05	60.70
26	62.31	63.03	63.14	63.52	64.02	64.60	65.15	65.50	62.40	59.58	59.07	60.70
27	62.31	63.03	63.16	63.52	64.14	64.62	65.20	65.16	62.27	59.48	59.17	60.74
28	62.33	63.03	63.17	63.52	64.14	64.64	65.20	65.00	62.27	59.35	59.16	60.82
29	62.35	-	63.18	63.52	64.15	64.65	65.21	64.56	62.31	59.25	59.20	60.82
30	62.40	-	63.20	63.52	64.15	64.67	65.23	64.32	62.31	59.23	59.30	60.89
31	62.40	-	63.14	-	64.15	-	65.25	64.06	-	59.11	-	60.89

Table 8.--Maximum daily water levels for well 10N.6E.5.33231, 1972-76 - Continued

Junction Recorder Well
10N.6E.5.33231

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	61.03	61.88	59.85	57.32	58.72	60.28	60.75	59.05	54.87	54.75	-	59.54
2	61.03	61.72	59.67	57.44	58.78	60.28	60.77	58.87	54.75	54.85	-	59.57
3	61.03	61.56	59.59	57.53	58.86	60.17	60.80	58.80	54.65	55.02	-	59.58
4	61.19	61.42	59.32	57.55	58.89	60.15	60.81	58.78	54.44	55.13	-	59.58
5	61.20	61.33	59.17	57.55	58.85	60.15	60.87	58.69	54.45	55.21	-	59.58
6	61.21	61.32	59.09	57.48	58.89	60.17	60.87	58.65	54.34	55.22	-	59.69
7	61.21	61.22	59.09	57.48	59.01	60.17	60.87	58.63	54.23	-	-	59.74
8	61.28	61.17	58.86	57.57	59.06	60.16	60.87	58.63	54.12	-	-	59.76
9	61.20	61.12	58.72	57.75	59.06	-	61.06	58.62	54.01	-	-	59.77
10	61.22	61.01	58.58	57.77	59.29	-	61.06	58.61	53.90	-	-	-
11	61.28	61.01	58.24	57.87	59.33	60.25	61.07	58.59	53.80	-	-	-
12	61.47	61.03	58.10	57.88	59.36	60.26	61.07	58.58	53.64	-	58.90	-
13	61.53	60.98	57.90	57.88	59.37	60.27	61.06	58.55	53.50	-	-	-
14	61.63	60.91	57.65	58.04	59.50	60.27	60.97	58.08	53.43	-	-	-
15	61.64	60.87	57.60	58.05	59.55	60.27	60.92	57.62	53.43	-	-	-
16	61.69	60.79	57.45	57.89	59.55	60.27	60.83	57.33	53.42	-	-	-
17	61.78	60.72	57.38	57.87	59.55	60.27	60.78	57.13	53.37	-	-	60.08
18	61.77	60.72	57.38	57.87	59.67	60.24	60.72	56.94	53.36	-	-	60.13
19	61.77	60.60	57.33	58.06	59.72	60.24	60.71	56.81	53.39	-	58.89	60.21
20	61.83	60.43	57.25	58.06	59.72	60.34	60.70	56.70	53.52	-	58.97	60.25
21	61.83	60.34	57.20	58.22	59.73	60.39	60.69	56.56	53.57	-	59.00	60.30
22	61.91	60.34	57.10	58.28	59.79	60.43	60.58	56.40	53.76	-	59.10	60.30
23	61.93	60.34	57.10	58.28	59.85	60.46	60.44	56.25	53.83	-	59.18	60.30
24	61.93	60.33	57.15	58.33	59.80	60.52	60.30	56.12	53.92	-	59.22	60.30
25	61.93	60.27	57.10	58.38	59.95	60.54	60.08	56.05	54.03	-	59.11	60.30
26	61.95	60.23	57.00	58.38	60.00	60.54	59.88	56.01	54.08	-	59.18	60.33
27	61.95	60.09	57.00	58.38	60.02	60.54	59.69	56.01	54.15	-	59.20	60.33
28	61.96	60.06	57.20	58.52	60.08	60.54	59.55	55.90	54.17	-	59.18	60.33
29	61.96	-	57.28	58.56	60.08	60.54	59.33	55.53	54.17	-	59.18	60.45
30	61.97	-	57.32	58.56	60.20	60.54	59.18	54.97	54.18	-	59.34	60.41
31	61.97	-	57.32	-	60.27	-	59.06	54.97	-	-	-	60.33

Table 8.--Maximum daily water levels for well 10N.6E.5.33231, 1972-76 - Concluded

Junction Recorder Well

10N.6E.5.33231

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	60.33	61.61	61.78	62.20	62.55	62.32	62.68	62.12	60.44	-	60.16	-
2	60.45	61.63	61.77	62.20	62.55	62.34	62.68	62.00	60.44	-	60.16	-
3	60.45	61.62	61.70	62.20	62.55	62.36	62.68	61.88	60.43	-	60.22	-
4	60.45	61.62	61.70	62.20	62.55	62.36	62.72	61.79	60.43	-	60.23	-
5	60.45	61.62	61.78	62.14	62.54	62.38	62.77	61.69	60.43	-	60.23	-
6	60.45	61.70	61.90	62.14	62.54	62.42	62.77	61.62	60.44	-	60.23	-
7	60.45	61.80	61.87	62.14	62.62	62.44	62.77	61.60	60.44	-	-	-
8	60.45	61.82	61.87	62.17	62.63	62.44	62.77	61.58	60.44	-	-	-
9	60.45	61.79	-	62.20	62.56	62.44	62.77	61.57	60.44	-	-	-
10	60.45	61.79	-	62.20	62.53	62.44	62.78	61.55	60.44	-	-	-
11	60.45	61.84	-	62.22	62.43	62.43	62.78	61.45	60.43	-	-	-
12	60.63	61.84	-	62.24	62.38	62.43	62.78	61.39	60.43	59.43	-	-
13	60.80	61.82	-	62.24	62.37	62.44	62.78	61.35	60.43	59.44	-	-
14	60.97	61.84	-	-	62.32	62.44	62.78	61.29	60.44	59.39	-	-
15	61.13	61.81	-	-	62.30	-	62.78	61.24	60.44	59.39	-	-
16	61.32	61.75	62.08	-	62.30	-	62.70	61.22	-	59.48	-	-
17	-	61.72	62.04	-	62.33	-	62.55	61.21	-	59.50	60.70	-
18	-	61.71	62.04	-	62.28	-	62.45	61.18	-	59.50	-	-
19	-	61.66	61.93	-	62.27	-	62.32	61.16	-	59.58	-	-
20	-	61.57	61.93	62.39	62.27	-	-	61.09	-	59.65	-	-
21	-	61.68	62.05	62.38	62.27	-	-	60.96	-	59.67	-	-
22	61.32	61.79	62.09	62.38	62.27	62.52	62.32	60.85	-	59.67	-	-
23	61.30	61.87	62.08	62.38	62.27	62.52	62.27	60.77	-	59.67	-	-
24	61.25	61.74	62.08	62.40	62.27	62.53	-	60.70	-	59.73	-	-
25	61.25	61.77	62.02	62.40	62.23	62.60	-	60.62	-	59.80	-	-
26	61.34	61.84	62.02	62.37	62.23	62.60	-	60.46	-	59.82	-	-
27	61.45	61.84	62.06	62.37	62.28	62.62	-	60.45	-	59.87	-	-
28	61.49	61.80	62.05	62.43	62.28	62.67	-	60.45	-	59.99	-	-
29	61.57	61.78	62.05	62.50	62.27	62.67	-	60.44	-	60.00	-	-
30	61.57	-	62.14	62.50	62.27	62.67	-	60.44	-	60.00	-	-
31	61.57	-	62.20	-	62.27	-	-	60.44	-	60.10	-	-

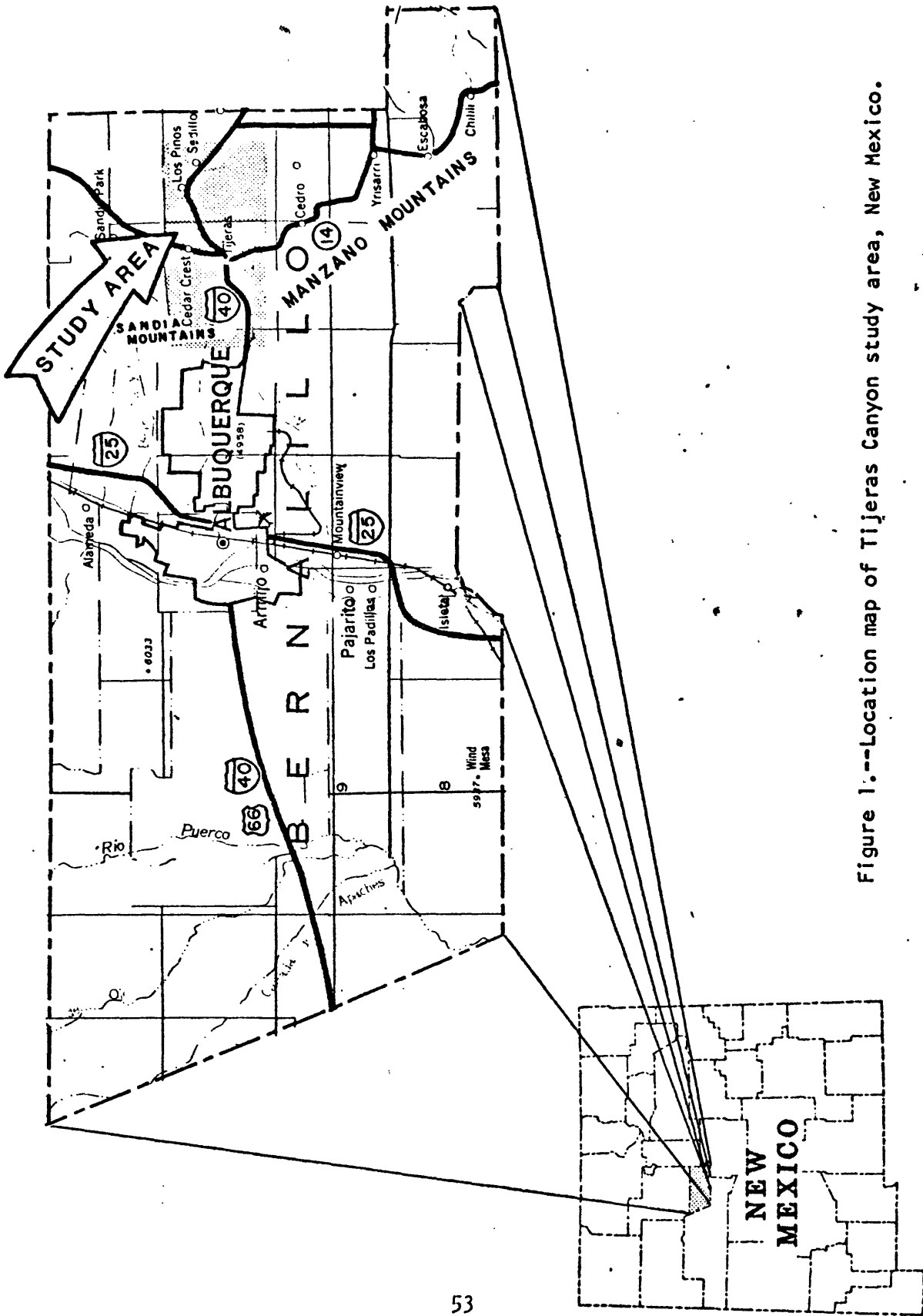


Figure 1.--Location map of Tijeras Canyon study area, New Mexico.

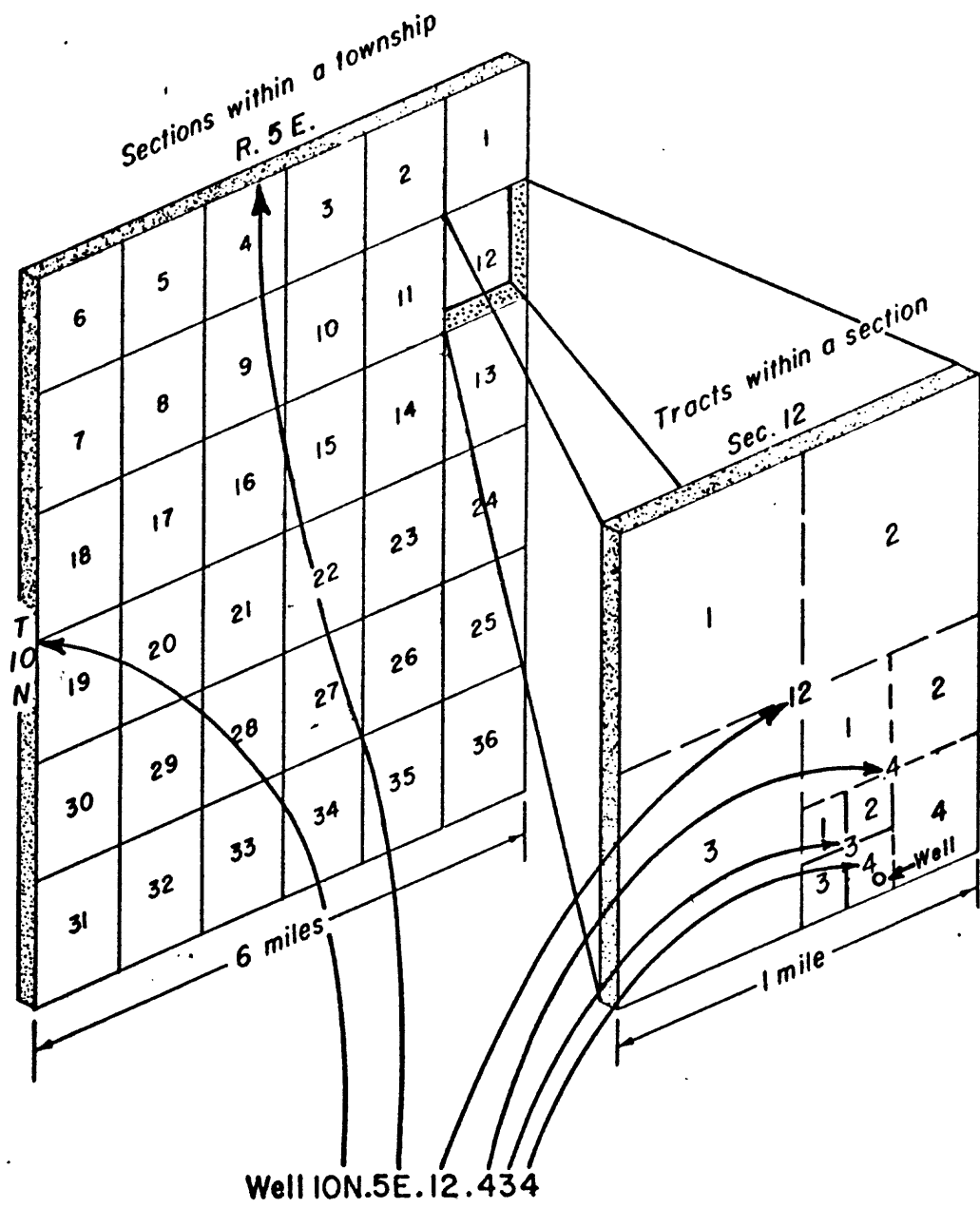


Figure 2.--System of numbering wells and springs in New Mexico.

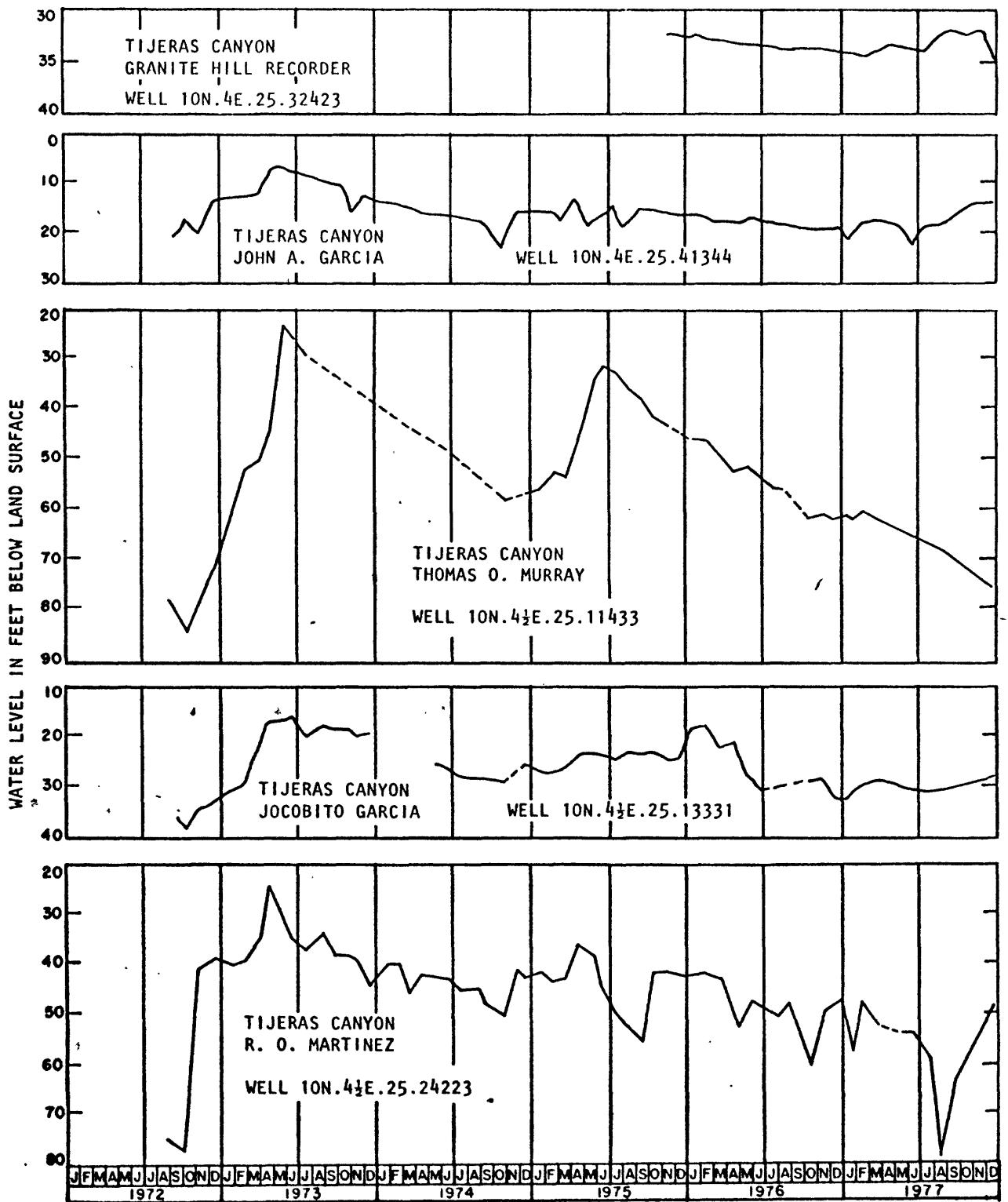


Figure 3.--Hydrographs of monthly water-level measurements.

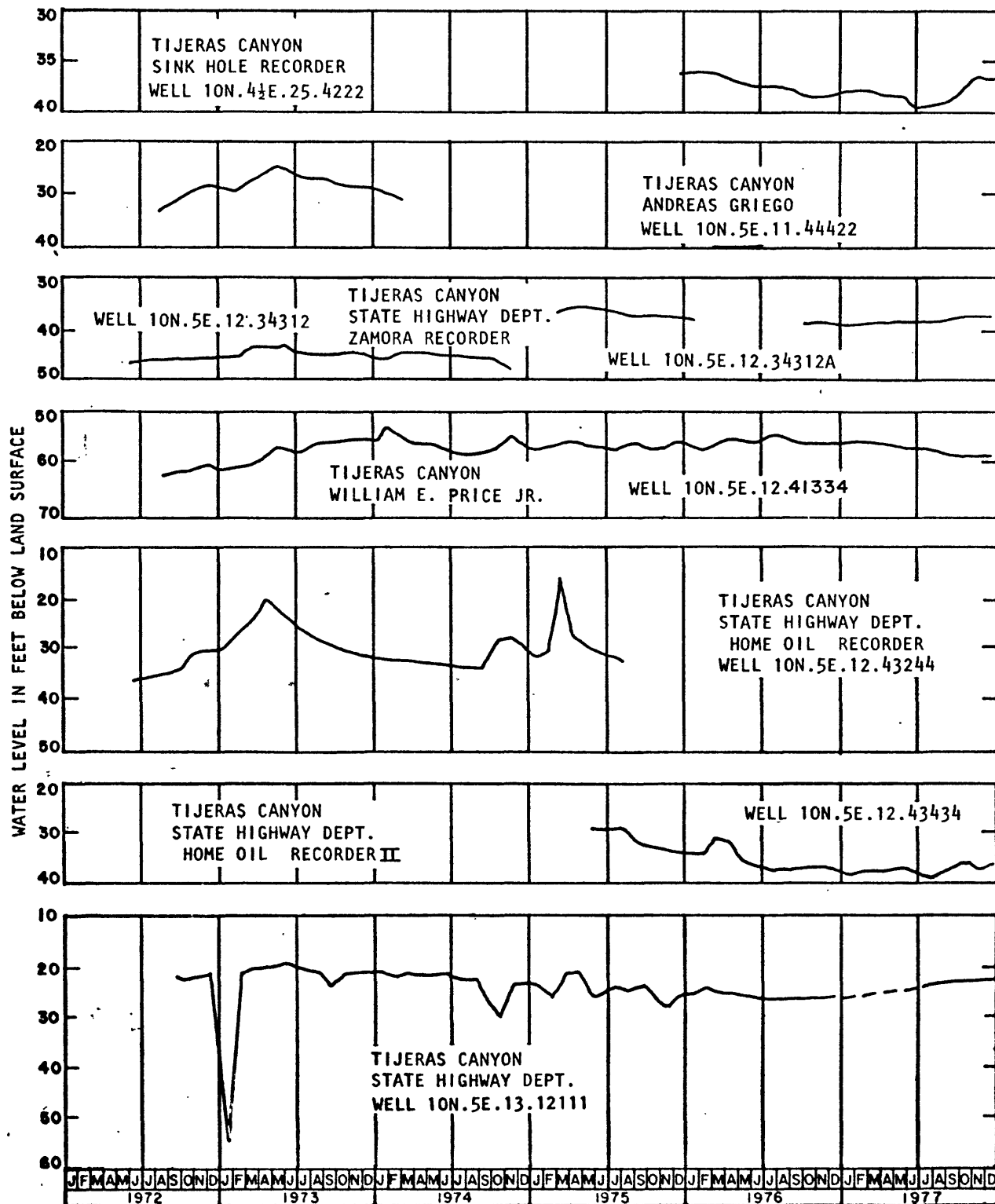


Figure 3.--Hydrographs of monthly water-level measurements - continued

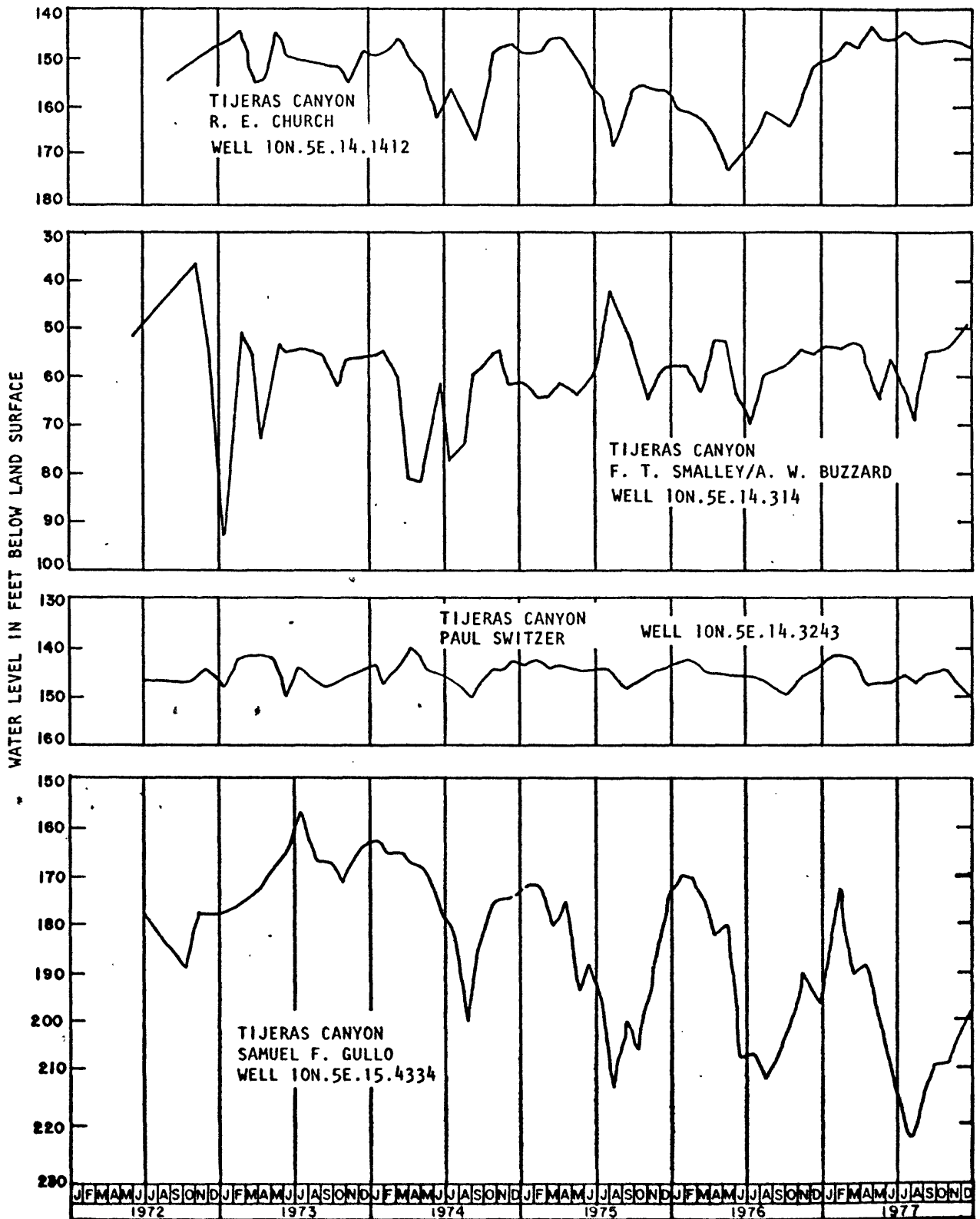


Figure 3.--Hydrographs of monthly water-level measurements - continued

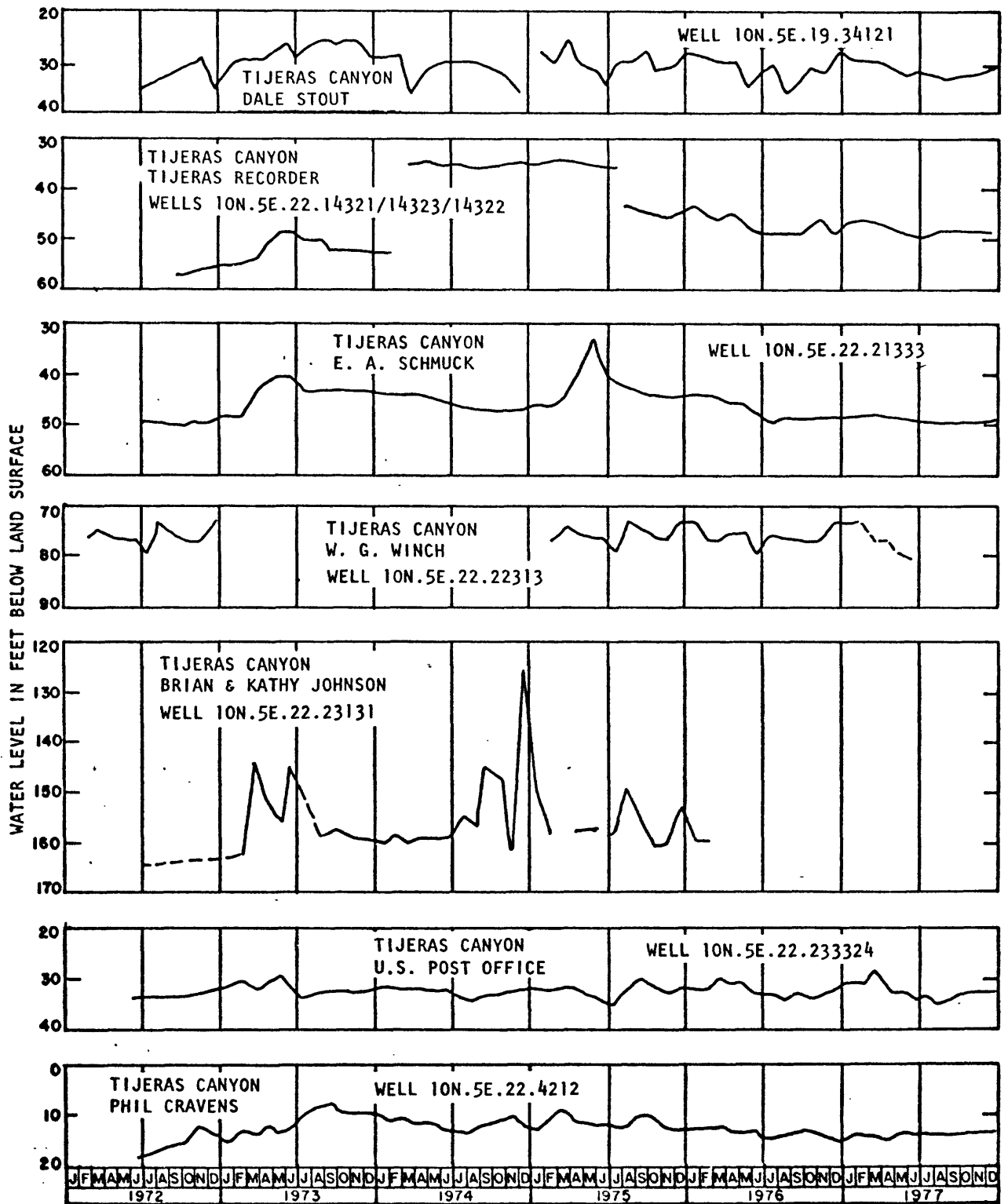


Figure 3.--Hydrographs of monthly water-level measurements - continued

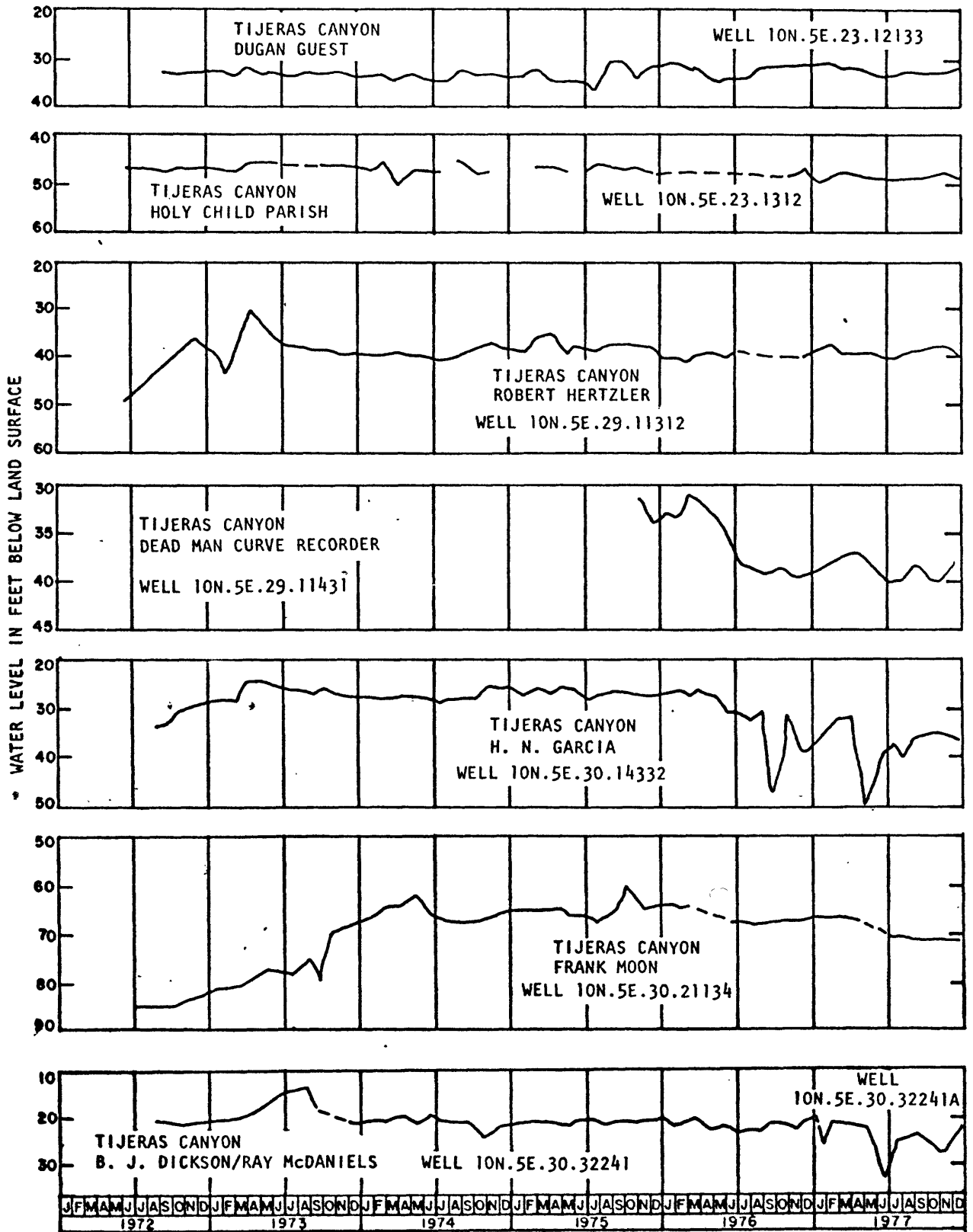


Figure 3.--Hydrographs of monthly water-level measurements - continued

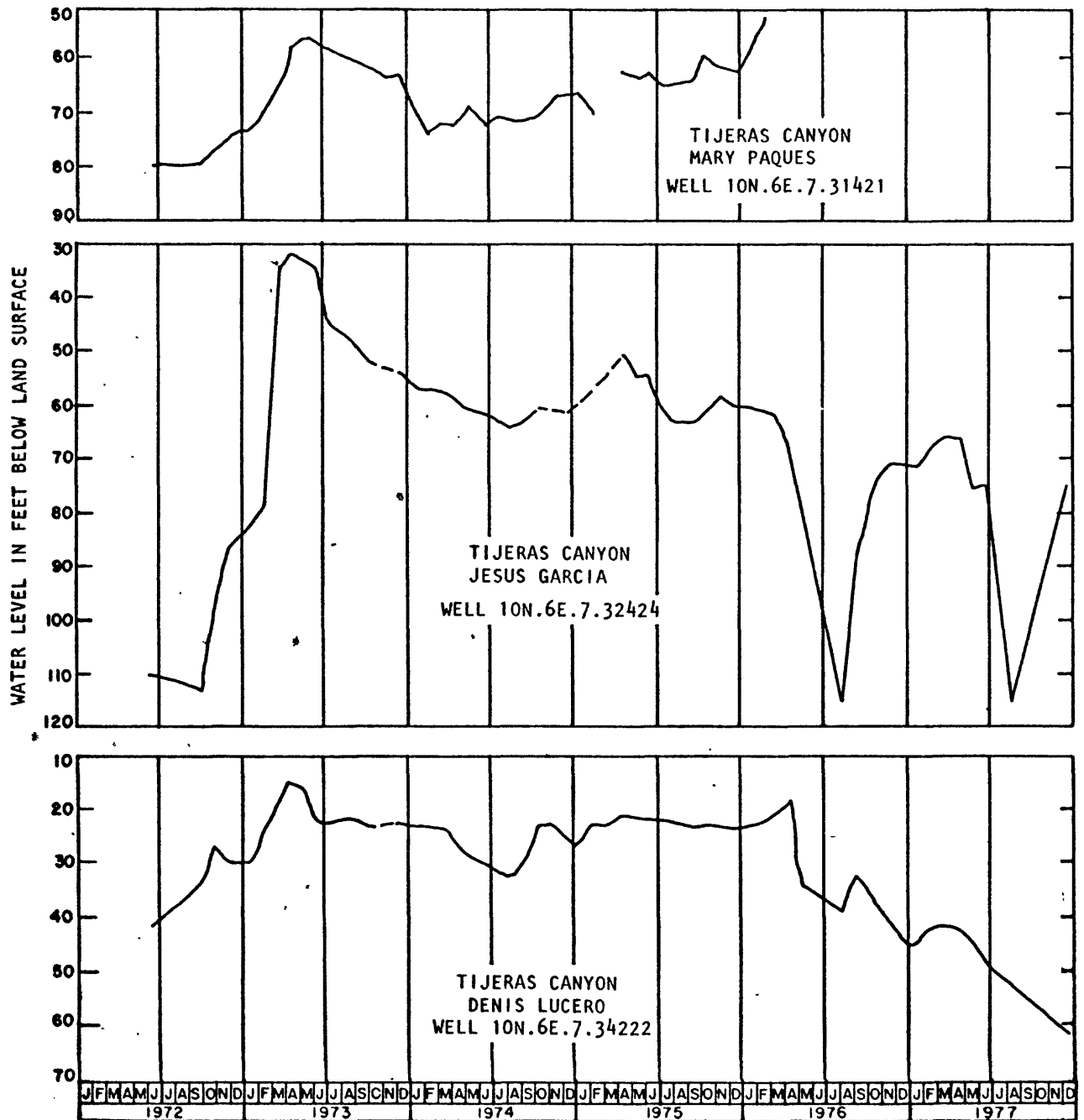


Figure 3.--Hydrographs of monthly water-level measurements - continued

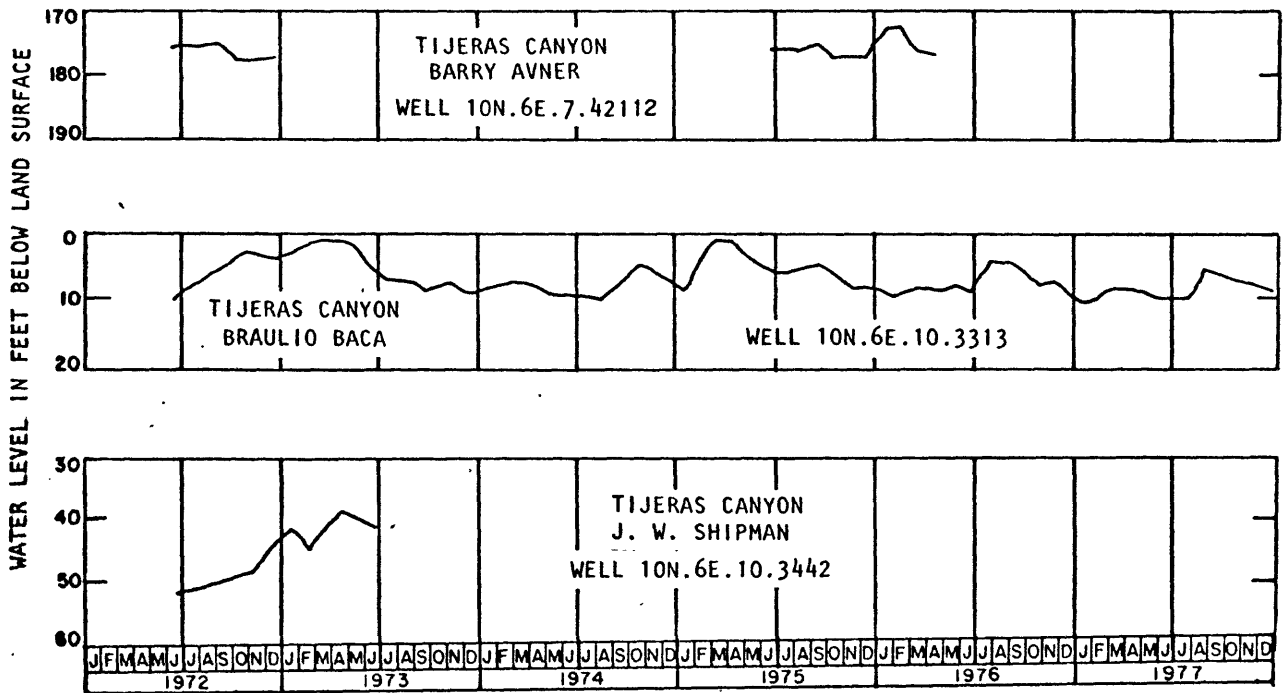


Figure 3.--Hydrographs of monthly water-level measurements - concluded

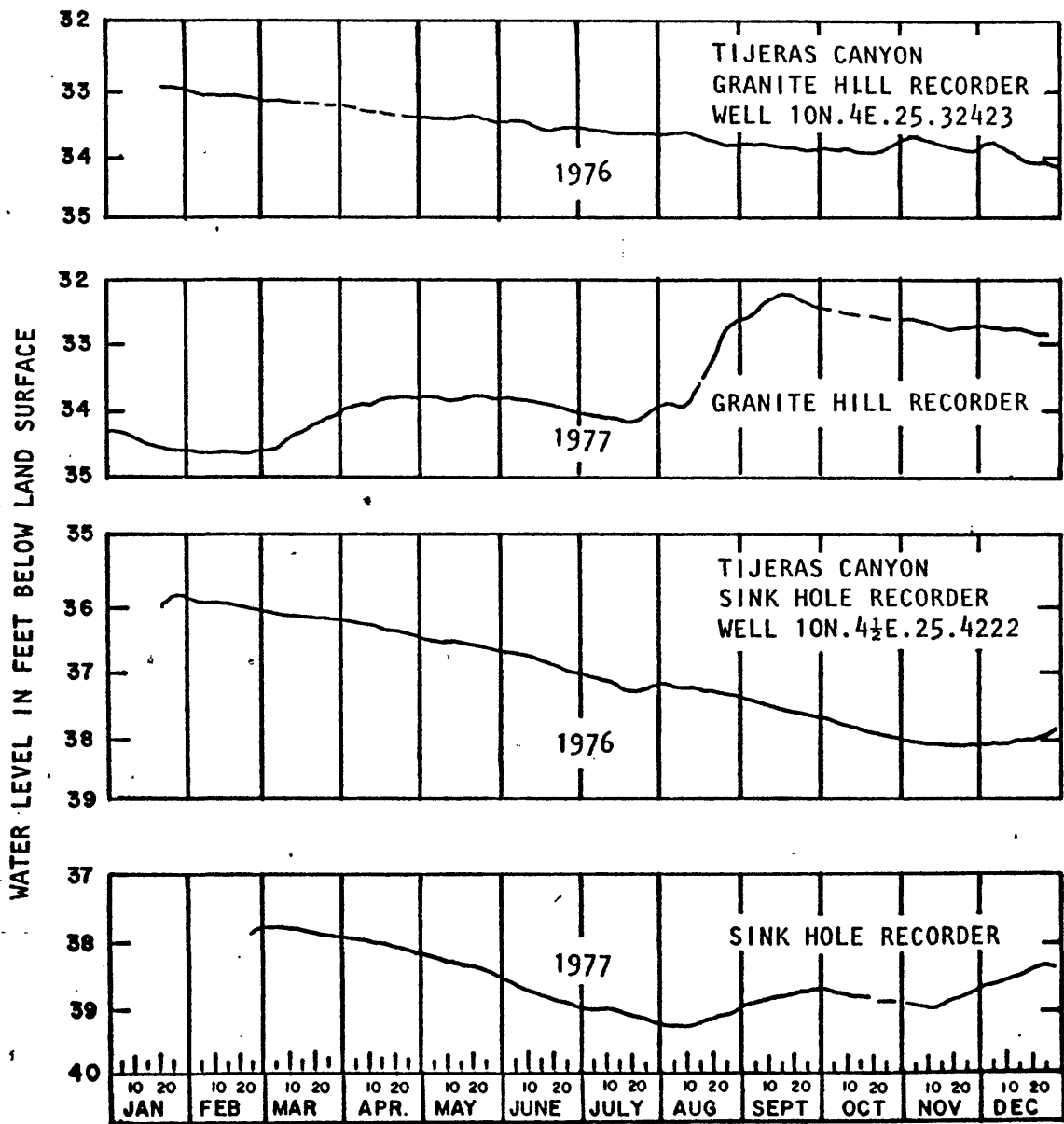


Figure 4.--Hydrographs of continuously recorded water-level measurements.

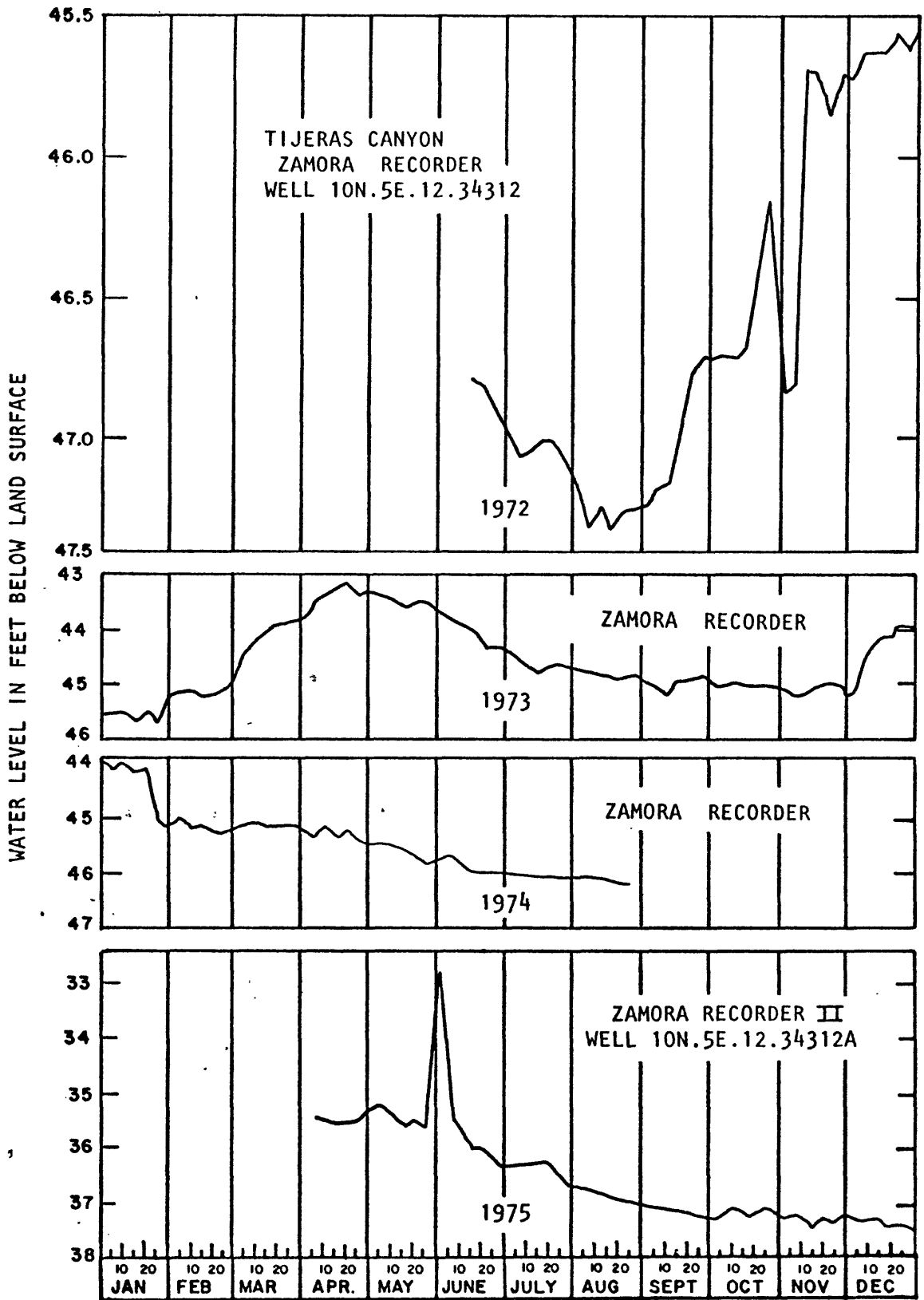


Figure 4.--Hydrographs of continuously recorded water-level measurements - continued

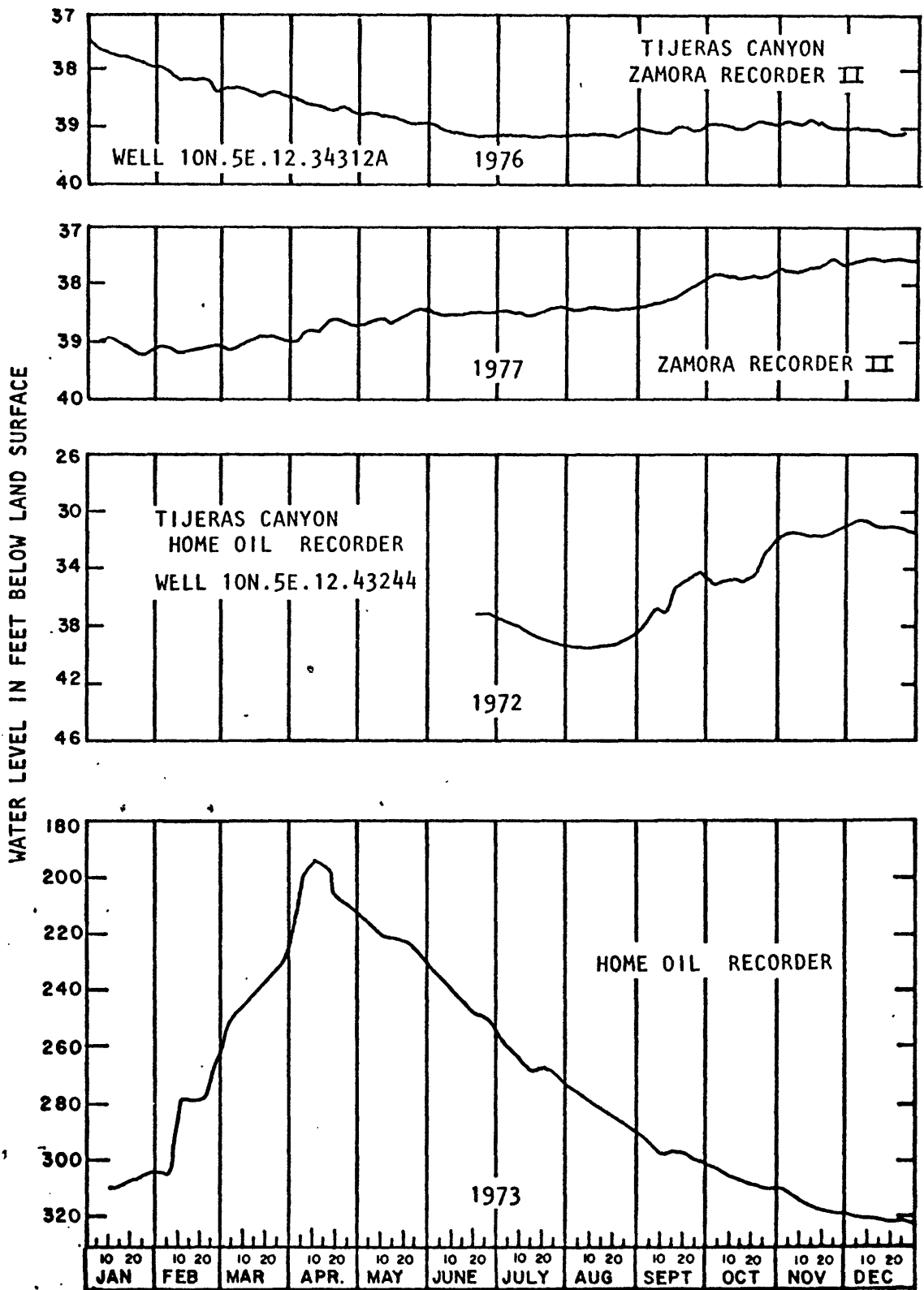


Figure 4.--Hydrographs of continuously recorded water-level measurements - continued

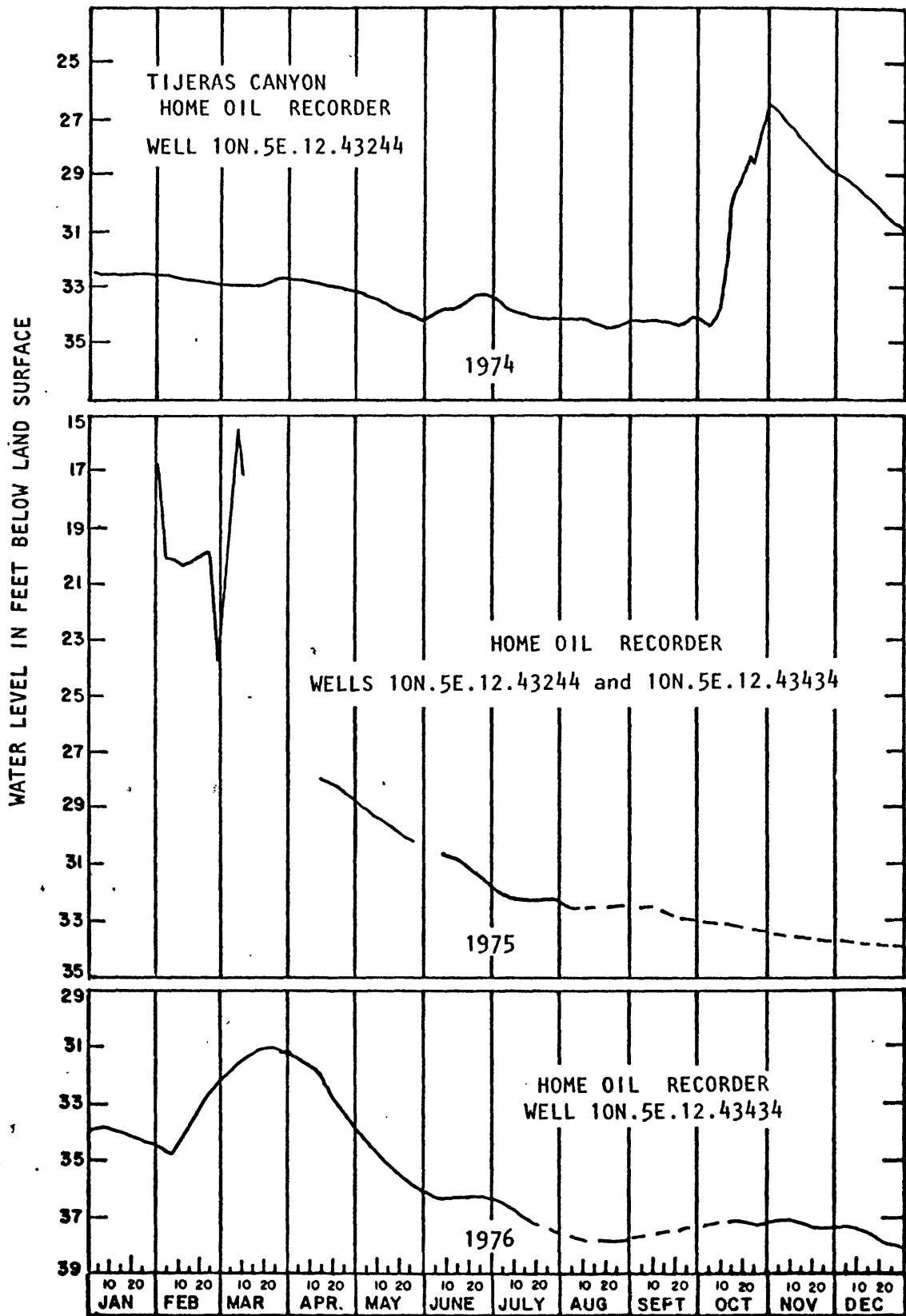


Figure 4.--Hydrographs of continuously recorded water-level measurements - continued

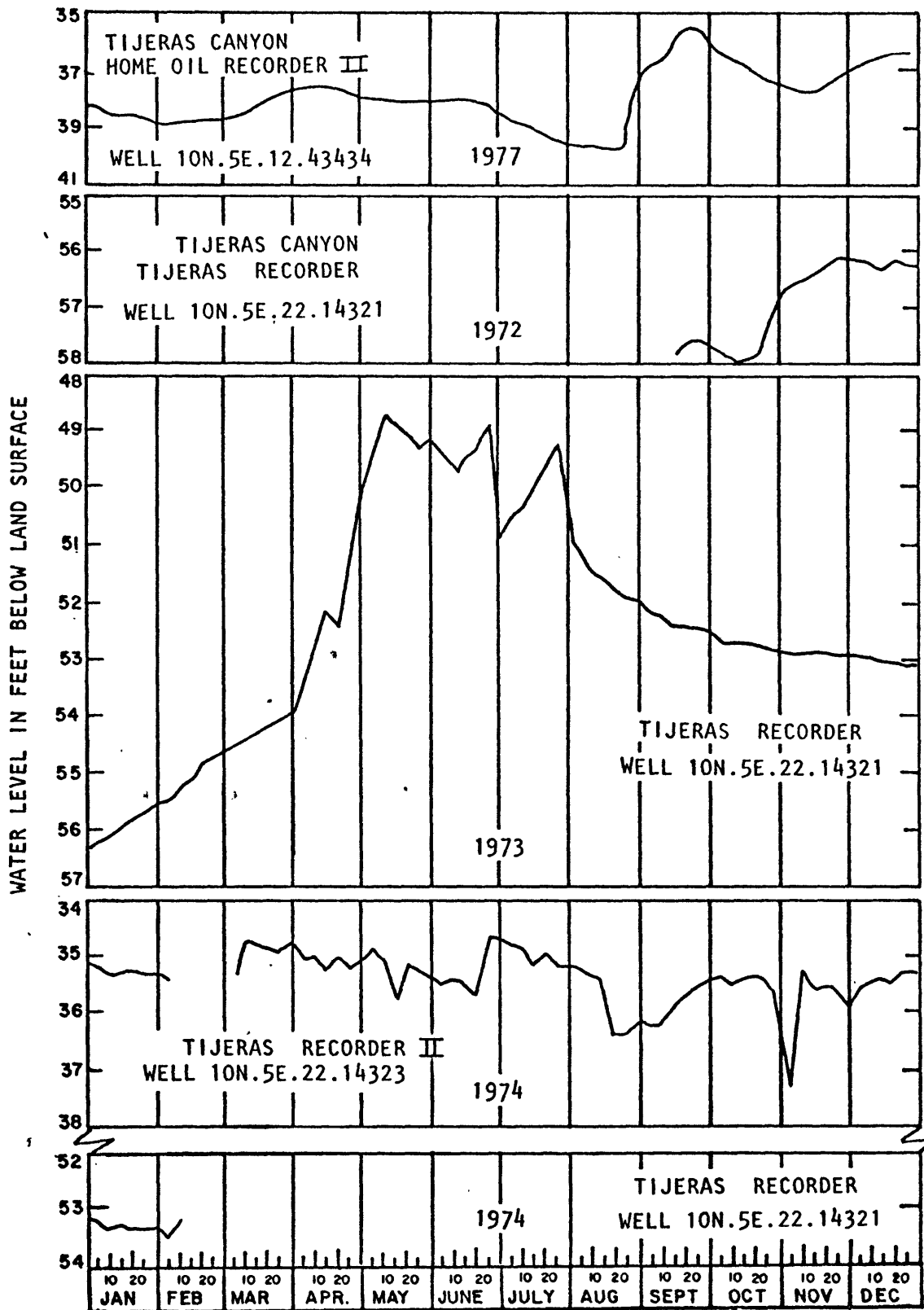


Figure 4.--Hydrographs of continuously recorded water-level measurements - continued

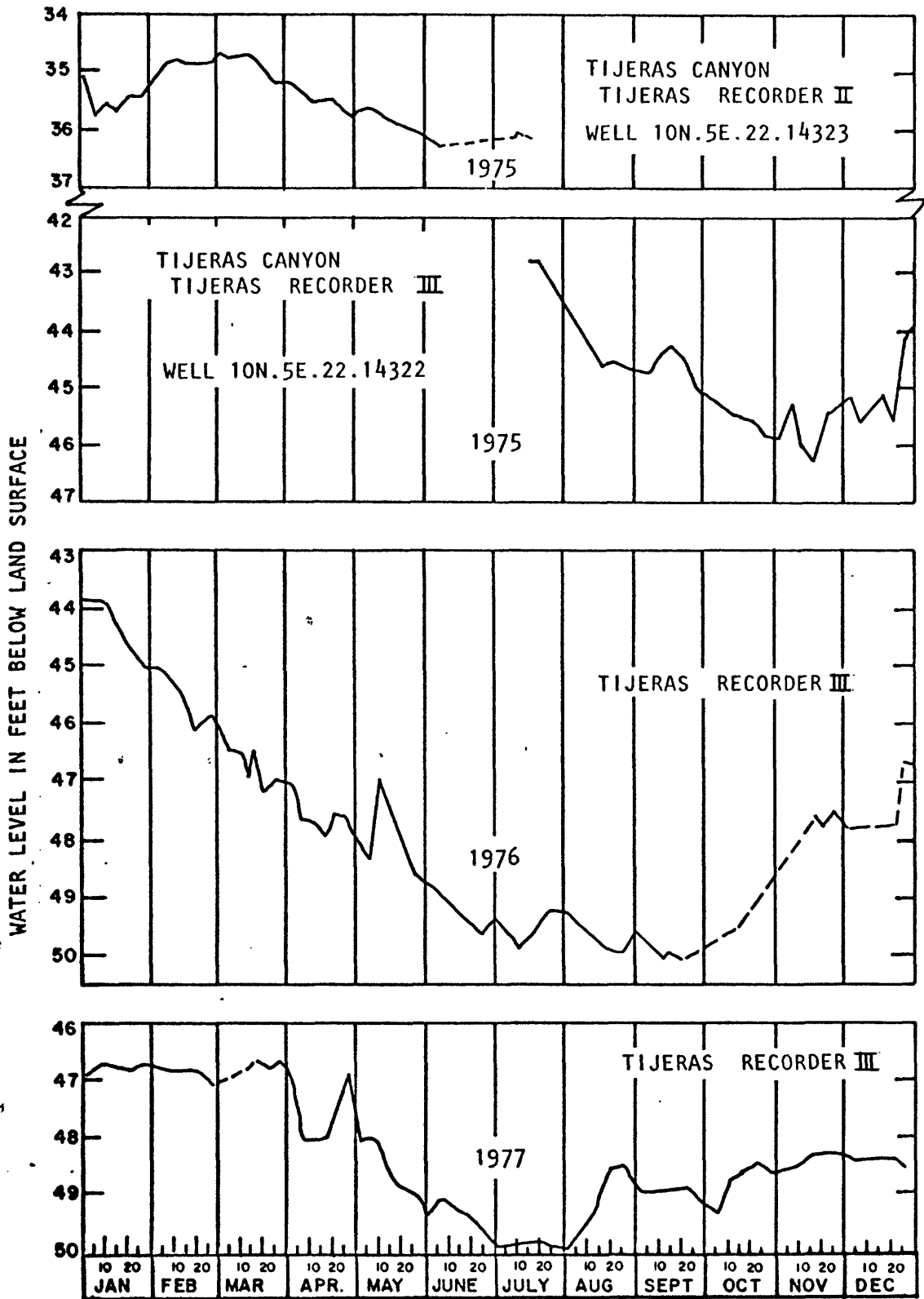


Figure 4.--Hydrographs of continuously recorded water-level measurements - continued

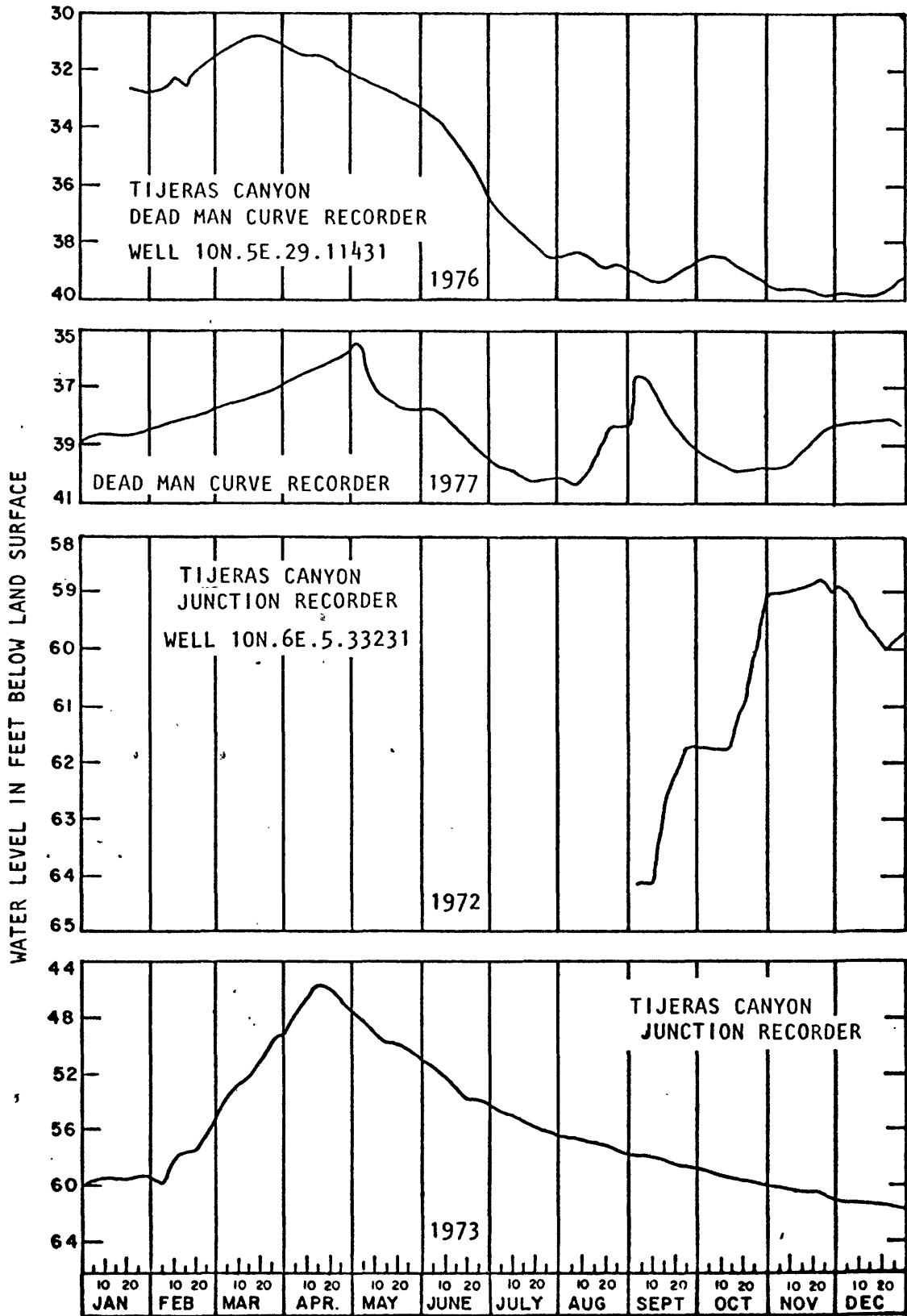


Figure 4.--Hydrographs of continuously recorded water-level measurements - continued

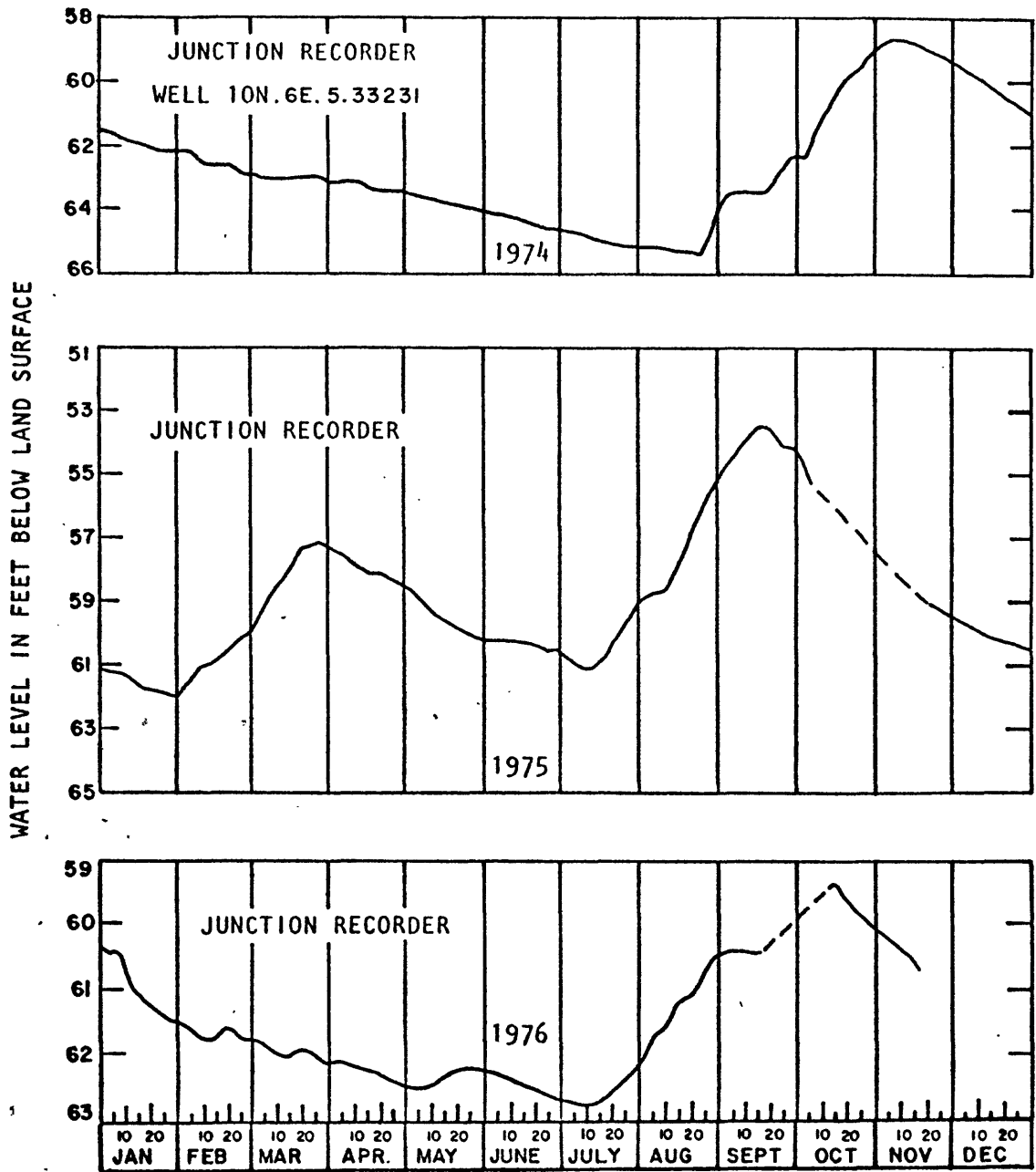


Figure 4.--Hydrographs of continuously recorded water-level measurements - concluded

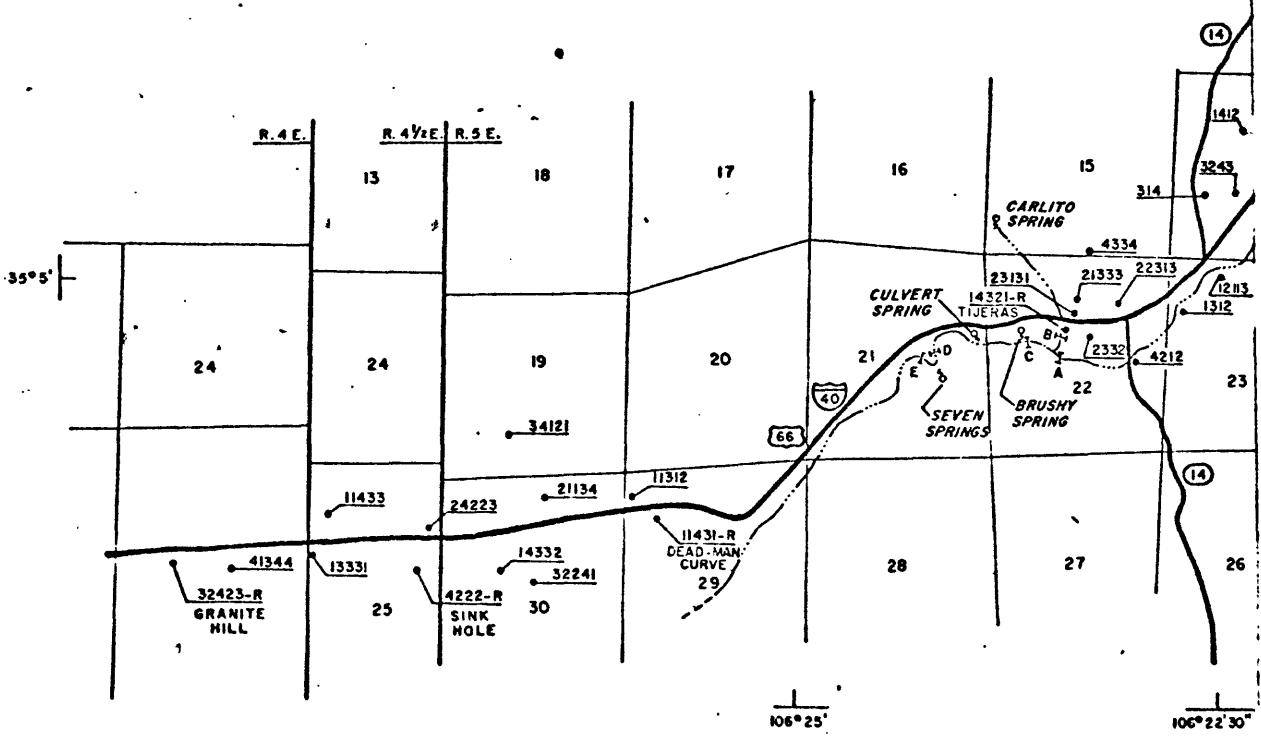
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EXPLANATION

- Well Location ———→ 434-R
number ●
 - Nome ———→ Home Oil
 - (R - indicotes continuous recorder)
 - Spring
 - |— Stream measurement section
- Stream Measurement Sections**
- A - Above Carlito
 - B - Carlito Spring
 - C - Below Carlito Springs
 - D - Above Seven Springs
 - E - Below Seven Springs

106° 25'

106° 22' 30"



106° 25'

106° 22' 30"

Handwritten marks at the bottom center of the page, possibly initials or a signature.

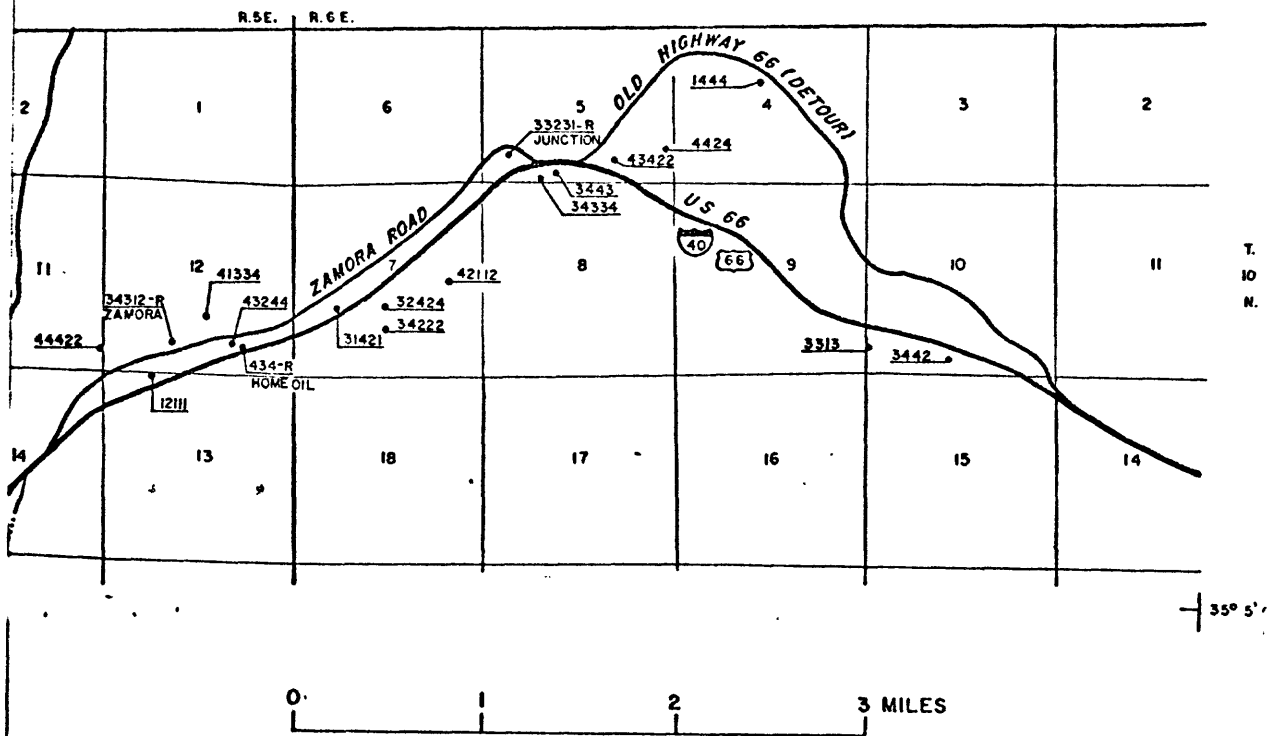


Figure 5.--Stream-measurement sections, spring-measurement sites, and observations-well locations, Tijeras Canyon, New Mexico.

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