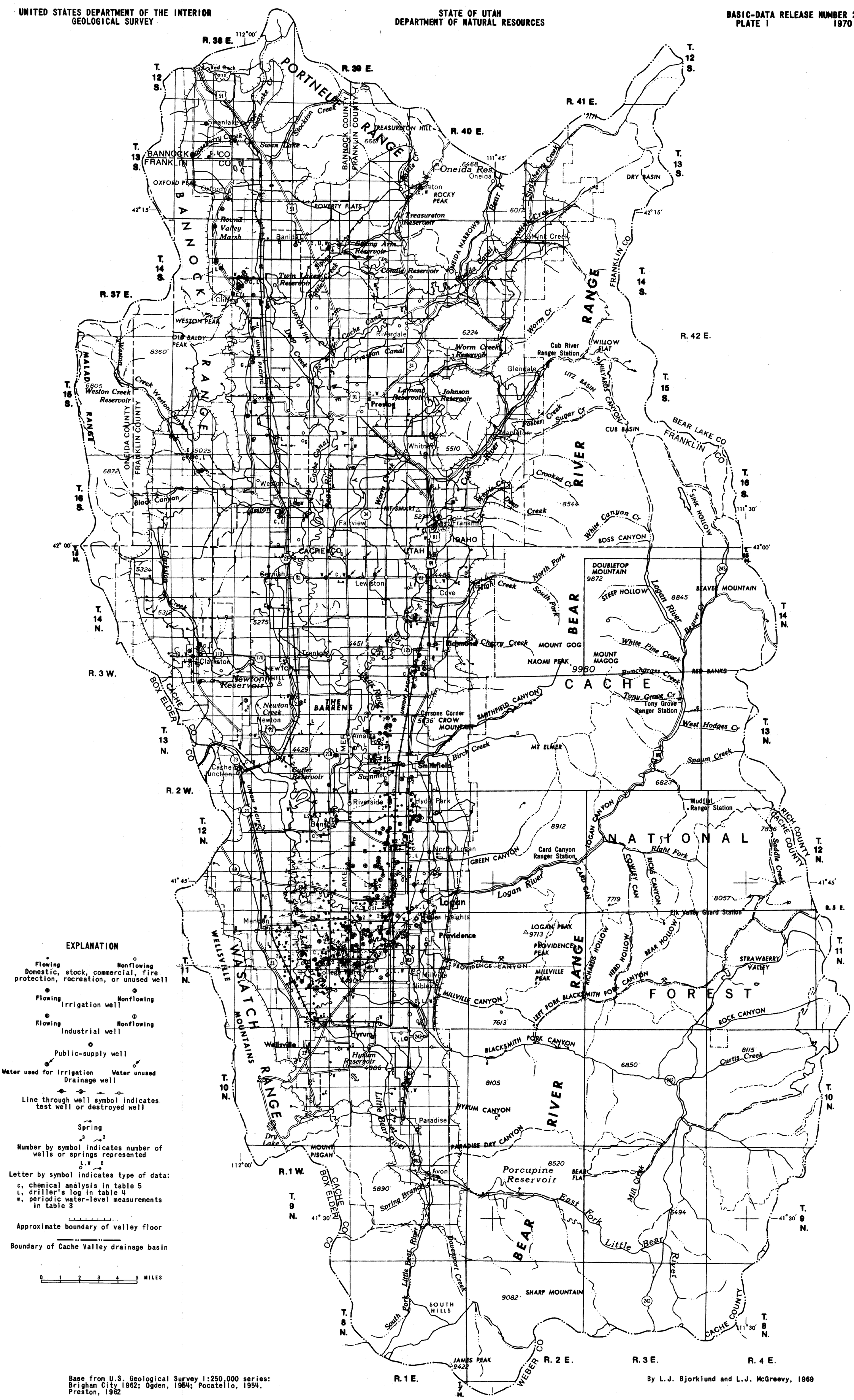

Base from U.S. Geological Survey 1:250,000 series: Brigham City 1962; Ogden, 1954; Pocatello, 1954, Preston, 1962

By L.J. Bjorklund and L.J. McGreevy, 1969

MAP OF CACHE VALLEY, UTAH AND IDAHO, SHOWING LOCATIONS OF SELECTED WELLS AND SPRINGS

UTAH BASIC-DATA RELEASE NO. 21

SELECTED HYDROLOGIC DATA

CACHE VALLEY, UTAH AND IDAHO

by

L. J. McGreevy and L. J. Bjorklund, Hydrologists

U.S. Geological Survey

OPEN-FILE RELEASE

Prepared by
The United States Geological Survey
in cooperation with
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Contents

	Page
Introduction	1
Well- and spring-numbering systems	2
Use of metric units	2
Selected bibliography	5

Illustrations

Plate 1. Map of Cache Valley, Utah and Idaho, showing locations of selected wells and springs	In pocket
Figure 1. Well- and spring-numbering systems used in Utah and Idaho	3

Tables

Table 1. Records of selected wells	7
2. Records of selected springs	18
3. Water levels in selected observation wells	21
4. Selected drillers' logs of wells	39
5. Chemical analyses of water from selected wells and springs	46

SELECTED HYDROLOGIC DATA

CACHE VALLEY, UTAH AND IDAHO

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Introduction

This report presents selected basic data from a study of the ground-water resources of Cache Valley, Utah and Idaho. The study was made during 1967-69 by the U.S. Geological Survey in cooperation with the Utah Department of Natural Resources, Division of Water Rights, and with the assistance of the U.S. Bureau of Reclamation and the U.S. Soil Conservation Service. Incorporated in this report are data collected by the Geological Survey and by other organizations since 1935. This report is intended to make the data conveniently available and to supplement an interpretive report which will be published separately.

Well- and spring-numbering systems

The system of numbering wells and springs in Utah is based on the cadastral land-survey system of the U.S. Government. The number identifies the well or spring and locates its position to the nearest 10-acre tract in the land net. By this system, the State is divided into four quadrants by the Salt Lake base line and meridian, and these quadrants are designated by the uppercase letters A, B, C, and D, thus: A, for the northeast quadrant; B, for the northwest; C, for the southwest; and D, for the southeast quadrant. Numbers designating the township and range, respectively, follow the quadrant letter, and the three are enclosed in parentheses. The number after the parentheses designates the section, and the letters following the section number give the location within the section. In text illustrations and typeset tables, these letters are lowercase, but in tables reproduced from computer listings (such as tables 1, 2, 3, and 5 in this report) all letters are uppercase. The first letter indicates the quarter section, which is generally a tract of 160 acres; the second letter indicates the 40-acre tract, and the third letter indicates the 10-acre tract. The numbers that follow the letters indicate the serial number of the well or spring within the 10-acre tract. Thus well (A-11-1)8cbb-1 in Cache Valley is in the NW¼NW¼SW¼ sec. 8, T. 11 N., R. 1 E., and is the first well constructed or visited in that tract. (See fig. 1.)

Springs are numbered similarly except that they are designated by the letter S preceding the serial number. Thus (B-10-1)10aac-S1 is a spring in the SW¼NE¼NE¼ sec. 10, T. 10 N., R. 1 W.

In Idaho the well- and spring-numbering system is based on the cadastral land-survey with reference to the Boise base line and meridian. It is similar to the Utah system except that springs are not designated by the letter S and the quadrant letter is omitted; the townships are labeled N or S to designate north or south and the ranges are labeled E or W to designate east or west. Thus well 15S-38E-22ddc1 is the first well visited in the SW¼SE¼SE¼ sec. 22, T. 15 S., R. 38 E. (See fig. 1.)

Use of metric units

As part of the gradual conversion by the U.S. Geological Survey to the use of metric units of measure, chemical analyses and water temperatures in this basic-data release are reported to metric, rather than English, units. The concentrations of dissolved constituents reported in table 5 are given in milligrams per liter rather than in parts per million. For water containing less than about 7,000 milligrams per liter of dissolved solids, milligrams per liter can be considered equivalent to parts per million. For more highly mineralized waters, a correction for the density of the solution is required to relate the two units, but the required correction is very small for even the most highly mineralized water listed in table 5.

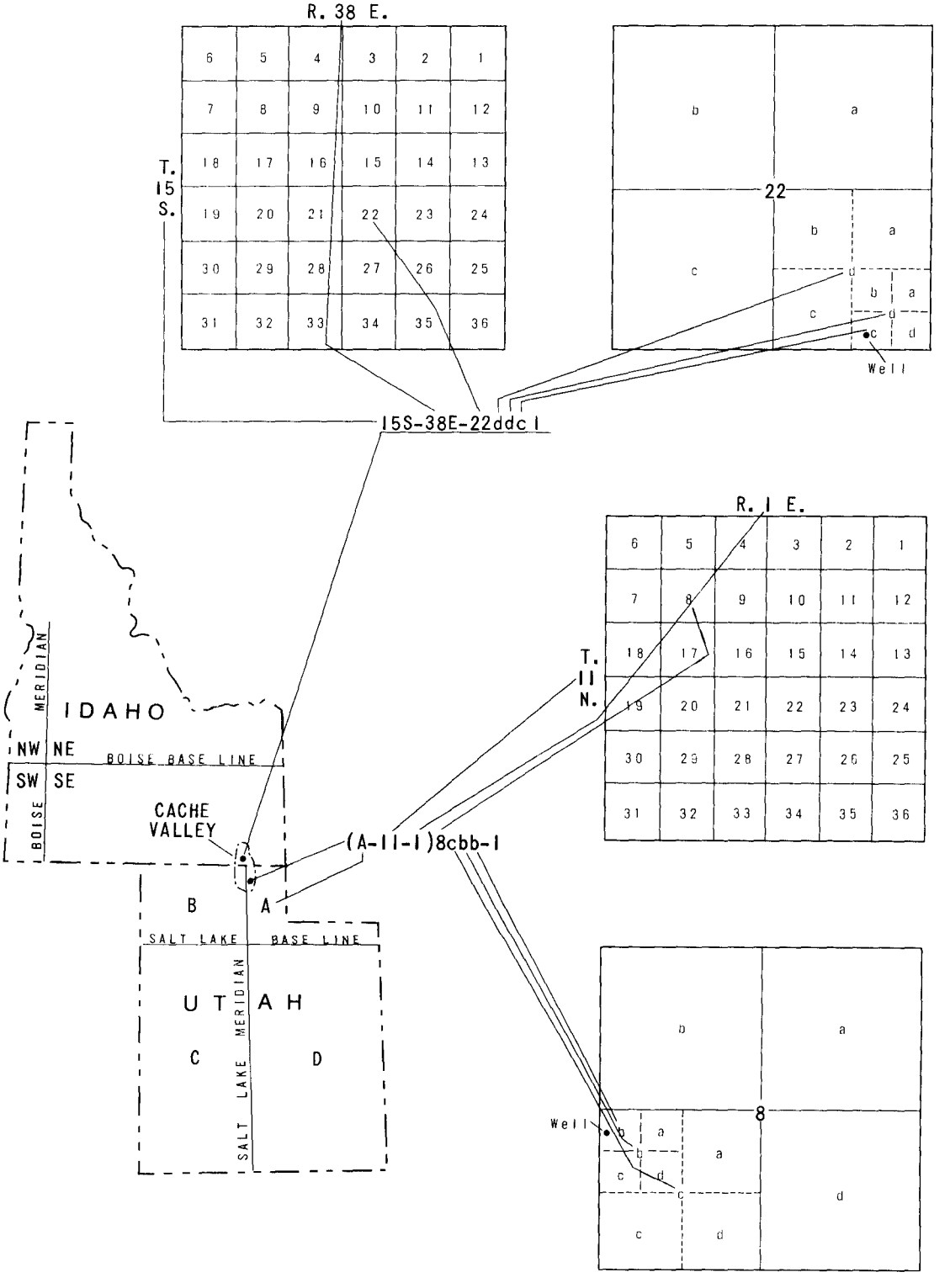

Figure 1.—Well- and spring-numbering systems used in Utah and Idaho.

Water temperatures throughout the tables are reported in degrees Celsius (°C) rather than in the more familiar degrees Fahrenheit (°F). Readers not acquainted with the Celsius scale of temperature will find the following table useful in converting the reported temperatures to the Fahrenheit scale:

TEMPERATURE-CONVERSION TABLE

For conversion of temperature in degrees Celsius (°C) to degrees Fahrenheit (°F). Conversions are based on the equation, °F = 1.8°C + 32; Temperatures in °F are rounded to nearest degree. Underscored equivalent temperatures are exact equivalents. For temperature conversions beyond the limits of the table, use the equation given, and for converting from °F to °C, use °C = 0.5556 (°F - 32). The equations say, in effect, that from the freezing point (0°C, 32°F) the temperature rises (or falls) 5°C for every rise (or fall) of 9°F.

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
-20	-4	-10	14	0	32	10	50	20	68	30	86	40	104
-19	-2	-9	16	+1	34	11	52	21	70	31	88	41	106
-18	0	-8	18	2	36	12	54	22	72	32	90	42	108
-17	+1	-7	19	3	37	13	55	23	73	33	91	43	109
-16	3	-6	21	4	39	14	57	24	75	34	93	44	111
-15	5	-5	23	5	41	15	59	25	77	35	95	45	113
-14	7	-4	25	6	43	16	61	26	79	36	97	46	115
-13	9	-3	27	7	45	17	63	27	81	37	99	47	117
-12	10	-2	28	8	46	18	64	28	82	38	100	48	118
-11	12	-1	30	9	48	19	66	29	84	39	102	49	120

Selected bibliography

Arnow, Ted, and others, 1964, Ground-water conditions in Utah, spring of 1964: Utah Water and Power Board Coop. Inv. Rept. 2.

_____1965, Ground-water conditions in Utah, spring of 1965: Utah Water and Power Board Coop. Inv. Rept. 3.

Baker, C. H., Jr., Price, Don, and others, 1967, Ground-water conditions in Utah, spring of 1967: Utah Div. Water Resources Coop. Inv. Rept. 5.

Baker, C. H., Jr., and others, 1969, Ground-water conditions in Utah, spring of 1969: Utah Div. Water Resources Coop. Inv. Rept. 7.

Beer, L. P., 1967, Ground-water hydrology of southern Cache Valley, Utah: Utah State Engineer Inf. Bull. 19.

Connor, J. G., Mitchell, C. G., and others, 1958, A compilation of chemical quality data for ground and surface waters in Utah: Utah State Engineer Tech. Pub. 10.

Cordova, R. M., 1968, Ground-water conditions in Utah, spring of 1968: Utah Div. Water Resources Coop. Inv. Rept. 6.

Hood, J. W., and others, 1966, Ground-water conditions in Utah, spring of 1966: Utah Water and Power Board Coop. Inv. Rept. 4.

Idaho Department of Health, 1968, A compilation of chemical analyses of public water supplies in the State of Idaho: Boise, Idaho.

Peterson, William, 1946, Ground-water supply in Cache Valley, Utah, available for domestic use and irrigation: Utah State Agr. Coll. Ext. Service, N.S. 133.

U.S. Public Health Service, 1964, 1963 inventory, municipal water facilities, Region VIII, Colorado, Idaho, Montana, Utah, and Wyoming: Public Health Service Pub. 775 (revised), v. 8.

Utah State Department of Health, 1953, Chemical analyses on municipal water supplies of Utah: Salt Lake City, Utah.

_____1964, Water, wastewater--chemical and radiological analyses, 1964 tabulation: Salt Lake City, Utah.

_____1965, Water, wastewater--chemical and radiological analyses, 1965 tabulation: Salt Lake City, Utah.

_____1966, Water, wastewater--chemical and radiological analyses, 1966 tabulation: Salt Lake City, Utah.

TABLE 1.--RECORDS OF SELECTED WELLS

LOCATION: SEE DESCRIPTION OF NUMBERING SYSTEM IN TEXT.
FINISH: C, CONCRETE; H, HORIZONTAL GALLERY; O, OPEN END; P, PERFORATED; S, SCREEN; T, SAND POINT; W, WALLED OR SHORED; X, OPEN HOLE.
WATER-BEARING FORMATION--MATERIAL: C, CONGLOMERATE; G, GRAVEL; BG, BOULDERY GRAVEL; P, CLAY; BP, SANDY CLAY; Q, SILT; R, SAND AND GRAVEL; 6R, CLAYEY SAND AND GRAVEL; S, SAND; 7S, SILTY SAND.
WATER-BEARING FORMATION--AGE: Q, QUATERNARY; T, TERTIARY; Y, PALEOZOIC OR PRECAMBRIAN.
ALTITUDE: ALTITUDE OF LAND SURFACE DATUM IN FEET ABOVE MEAN SEA LEVEL; DETERMINED FROM TOPOGRAPHIC MAPS AND HAND LEVELING WHERE NECESSARY.
WATER LEVEL: IN FEET ABOVE (+) OR BELOW LAND SURFACE DATUM; E, ESTIMATED; F, FLOWS BUT HEAD IS NOT KNOWN; M, MEASURED; R, REPORTED.
TYPE OF LIFT: A, AIR; C, CENTRIFUGAL PUMP; F, NATURAL FLOW; J, JET PUMP; N, NONE; P, PISTON PUMP; S, SUBMERGIBLE PUMP; T, TURBINE PUMP.
YIELD: DISCHARGE OR FLOW FROM WELL IN GALLONS PER MINUTE (GPM); D, REPORTED BY DRILLER; E, ESTIMATED; M, MEASURED; R, REPORTED BY OTHER THAN DRILLER.
SPECIFIC CAPACITY: IN GALLONS PER MINUTE PER FOOT OF DRAWDOWN (GPM/FT). NONFLOWING WELLS, COMPUTED FROM DATA REPORTED BY DRILLERS OR FROM MEASUREMENTS (INDICATED BY M); FLOWING WELLS, COMPUTED BY ASSUMING THAT THE SHUT-IN HEAD ABOVE THE POINT OF FLOW APPROXIMATES THE DRAWDOWN RESULTING FROM THE FLOW. SPECIFIC CAPACITIES ARE APPROXIMATE.
USE OF WATER: C, COMMERCIAL; F, FIRE PROTECTION; H, DOMESTIC; I, IRRIGATION; N, INDUSTRIAL; P, PUBLIC SUPPLY; R, RECREATION; S, STOCK; U, UNUSED.
SPECIFIC CONDUCTANCE: ELECTRICAL CONDUCTANCE OF WATER IN MICROMHOS PER CENTIMETER AT 25°C. FIELD DETERMINATION EXCEPT WHERE INDICATED BY L (LABORATORY DETERMINATION).
OTHER DATA AVAILABLE: C, CEMICAL ANALYSIS IN TABLE 5; D1, DRILLER'S LOG IN TABLE 4; D, DRILLER'S LOG AVAILABLE IN FILES OF UTAH STATE ENGINEER OR U.S. GEOLOGICAL SURVEY; J, GEOPHYSICAL LOG AVAILABLE IN FILES OF THE U.S. GEOLOGICAL SURVEY; W, PERIODIC WATER-LEVEL MEASUREMENTS IN TABLE 3.

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	DIAMETER (IN)	FINISH	WATER BEARING FORMATION MATERIAL	AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	MICROMHOS	OTHER DATA AVAILABLE
	CACHE COUNTY, UTAH																	
(A- 9- 1)																		
38CA-1	MARION OLSEN	1950	180	4	U	G	Q	4,906	28 M	10-68	T	10 R		H	12	10-68	560	D
38CD-1	DEAN NIELSEN	1963	47	4	U	G	Q	4,915	16 R	2-63	J	10 D	3	H	12	10-68	590	D
3CAC-1	RENE NELSON	1965	101	4	U	G	Q	4,890	8 R	7-65	C	8 D	0.7	H	12	10-68	470	D1 W
10ADD-1	GARRIE MAUGHAN					G	Q	5,002	19 M	9-67				H				
10ADD-2	AVON CITY	1934	595	12		G	Q	5,010			J			H	14	9-68	440	D1 W
11DCB-1	T EDWARDS	1963	71	6	U	G	Q	5,004	16 M	10-68	J	10 D		H	10	10-68	490	D1
15AAA-1	ARTHUR SUMMERS		18	2	U	G	Q	4,970	2 E	10-68				H		10-68	520	
(A-10- 1)																		
2CCD-1	BIG TOM TURK FM	1961	255	12			Q	4,837			N	0 D		U				D
3ADC-1	A T AND T	1967	322	6	P	G	Q	4,818	293 R	4-67	N			U	11			D J
4ABD-1	O H ANDERSON		240	12		R	Q	4,706	10 M	9-67	N			U				D W
4DAA-1	HYRUM CITY CORP	1963	472	16	P	G	Q	4,789	291 M	3-67	F	2,000 D	140	P	12	6-68	564L	C D1
5BCD-1	CO SCHOOL DIST	1961	195	12		R	Q	4,675	152 R	8-61		120 D	3	I				D1
6CCC-1	MELVIN LEISHMAN	1955	187	4	P	G		4,641	+4 M	3-67	F			S	11	4-68	520	C D
16DAA-1	E J NIELSEN	1964	12	36	P	G	Q	4,808	5 M	9-68	C	112 R		I	13	9-68		
16DAD-1	D RICHMAN	1967	16	30	P	G	Q	4,810	7 M	9-68	C	80 M	80 M	I	19	9-68	570	W
16DDB-1	F S FLAHERTY	1967	18	40	P	G	Q	4,816	12 M	9-68	C	80 E		I	16	9-68	640	
21AAB-1	SHARELL SUMMERS	1963	103	4	U	G		4,821	12 M	9-67	C	14 D		H				D1 W
21DBA-1	NEIL TAMS	1890	22	48		G	Q	4,828	14 M	9-67				H		9-68	570	
28BBD-1	P R MEACHAM	1967	155	6	P	S		4,835	53 R	9-67	S	20 D	2	H		9-68	520	D1
28DBA-1	PARADISE TOWN	1961	140	12	P	BP	Q	4,870	57 R	11-61	T	30 D	0.5	P	12	6-68	468L	C D
33BBD-1	WHITES INC		600	3	P	R	T	4,790	F		F	5 E		U	14	9-68	520	D1
34ABB-1	W H MAIR	1959	190	6	P	G	Q	5,035	33 R	7-68		30 D		H	12	9-68	420	D
34BAC-1	PARADISE TOWN	1963	402	12	P	S	T	4,993	50 R	8-63	S	234 D	1	P				D1
(A-11- 1)																		
2BCB-1	TODD WESTON	1963	301	8	P	G	Q	4,620	123 M	10-67	S	150 D		I				D W
2BDA-1	JESSE ZULLINGER	1962	330	4	X			4,715			N	0 D		U				D
3ACA-1	R HEIGHTS CITY	1934	192	10	P	G	Q	4,600	104 M	10-67	T			P				C D
3BDA-1	R HEIGHTS CITY	1934	140	12	P	G	Q	4,528	34 M	10-67	T	1,050 D	22	P				C D W
3BDC-2	IVAN PEARCE	1947	114	4	P	G	Q	4,515	34 M	6-68	J	10 D	2	H		6-68	470	D
3CAD-1	REED WOOD	1959	122	6	P	G	Q	4,551	50 M	2-67	S			I				D
3DCB-1	ARTHUR B SMITH	1962	127	4	O	G	Q	4,527	37 M	6-66		10 D		H				D
3DCD-1	JOHNSON & BAIRD	1945	116	3	P	S	Q	4,533	7 M	6-68	C	7 D		H	13	6-68	560	D
4BAD-1	BORDEN CO	1930	225	12	P	G	Q	4,505			T	1,140 M		I				
4BBC-1	W L HALL	1949	173	2	P	G	Q	4,478	+7 M	10-67	F	14 M	2	S	10	8-67	530	D J W
4BCD-2	HOWARD HANSEN	1945	95	2	P	G	Q	4,489	+2 M	6-68	F	4 M	3	H	11	6-68	460	D
4CBD-1	LOGAN CITY CORP	1934	130	2		G	Q	4,484	+14 M	10-67	F	3 M	0.3	R	11	10-67	440	
4CDB-1	W D HANSEN	1964	129	4	U	G	Q	4,485	+8 M	6-68	F	10 M	2	S	12	6-68	440	D
4DAA-2	LEGRAND JOHNSON	1962	310	12	P	G	Q	4,500	12 M	11-68	N			N				D J W
4DAD-1	AMERICAN OIL CO	1966	213	4		G	Q	4,504	12 M	6-68	S			C		6-68	520	
4DAD-3	DEAN MORTENSEN	1965	100	4	U	G	Q	4,504	12 R	11-65	C	10 D	5	H		6-68	520	D
5ABA-2	DELBERT HANSEN	1900	130	2		G	Q	4,457	+33 M	10-67	F	17 M	0.6	H	11	8-67	470	
5ABD-1	C T HIRST	1933	120	2		G	Q	4,461	+16 M	6-68	F	23 M	2	S	11	6-68	460	
5ABD-4	E H GROLL	1953	173	2	P	G	Q	4,460	+31 M	10-67	F	11 M	0.4	S	11	10-67	440	D
5ACA-1	OLIVER HOYLE	1916	160	2		G	Q	4,466	+23 M	6-68	F			S	12	6-68	480	
5ADB-1	F I KNOWLES	1931	168	2	O	G	Q	4,461	+11 M	6-68	F			I	11	6-68	490	
5ADC-1	WILFORD BAUGH	1941	187	2	O	G	Q	4,471	+10 M	3-67	F	3 M	0.3	S				D
5ADD-4	C FULLMER	1935	176	2	U	G	Q	4,475	+6 M	6-68	F	15 M	0.3	H	11	6-68	520	D
5BBC-1	WILLIAM DAVIS	1952	120	3	P	G	Q	4,442	+25 M	12-67	F	69 M	3	S	11	12-67	430	D
5CBB-1	ATLAS ENGR CO	1954	154	2	P	G	Q	4,444	+32 R	10-54	F	100 D	3	H	11			D
6ACB-1	ALAN ALDER	1909				R	Q	4,433	+33 M	10-67	F			I	13	10-67	420	
6ACB-2	ALAN ALDER	1909	180	2		R	Q	4,430	+29 M	10-67	F	35 M	1	I	12	8-67	440	
6BAD-1	WM WORLEY	1912	180	3		R	Q	4,430	F		F			S				
6CBA-2	P A HILL	1920	162	2		R	Q	4,433	+29 M	2-68	F			H	11	2-68	440	
6CBA-4	JOHN BAUR	1945	180	2	P	G	Q	4,430	+29 M	8-68	F	80 D	3	S	12	8-68		D
6CCB-1	P A HILL	1925	155	2		R	Q	4,433	+30 M	4-68	F	62 M	2	S	12	4-68	440	
6CCB-2	LOG BK FK IR CO	1940	165	3	P	R	Q	4,433	+33 M	12-67	F	176 M	6	I	11	12-67	430	D
6CCC-2	P A HILL	1925	155	2		R	Q	4,433	F		F			I				
6DDC-1	H J FREDERICK	1936	163	2		R	Q	4,437	+30 M	4-68	J	10 M	0.4	I	11	4-68	480	D
6DDD-1	UTAH STATE UNIV	1938	175	3	O	G	Q	4,439	+40 M	4-68	F	14 M	0.4	I	12	4-68	440	D
7ABB-1	H. P. ANDERSEN	1940	165	2	O	R	Q	4,434	+32 M	4-68	F	20 M	0.7	S	12	4-68	420	
7ABD-1	ANDERSEN		87	4		R	Q	4,439	F		F	130 M		S	11	8-68	460	
7ABD-4	ANDERSEN	1940	192	2	P	G	Q	4,435	+29 M	9-68	F	47 M	2	H	12	8-68	420	D
7ACD-1	LOG BK FK IR CO	1940	131	5	P	G	Q	4,440	F		F	168 M		I	11	9-68	460	D
7BAC-1	LOG BK FK IR CO	1940	177	3	P	G	Q	4,436	F		F	150 M		I	12	6-68	460	D

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	DIAMETER (IN)	FINISH	WATER BEARING FORMATION MATERIAL	AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	SPECIFIC CONDUCTANCE MICROMHOS	OTHER DATA AVAILABLE
(A-11- 1)																		
7BBC-1	LOG BK FK IR CO	1940	205	3	P	G	Q	4,434	+34 M	6-68	F	80 M	2	I	12	6-68	550	D
7BCA-1	LOG BK FK IR CO	1940	115	3	P	G	Q	4,436	+32 M	6-68	F	75 M	2	I	11	6-68	490	D
7CCA-2	LOG BK FK IR CO	1940	109	3	P	G	Q	4,435	+34 M	4-68	F	187 M	6	I	12	4-68	480	D
7CCD-1	DEAN OLSEN			2		G	Q	4,436	+33 M	4-68	F	81 M	2	I	12	4-68	480	
7CCD-2	DEAN E OLSEN	1924	96	2		G	Q	4,436	+34 M	4-68	F			S	12	4-68	480	
7CDA-1	LOG BK FK IR CO	1940	115	3	P	G	Q	4,438	+37 M	10-67	F	200 M	6	I	12	8-67	460	D
7CDD-1	FRED SPETH	1914	110	2		G	Q	4,439	+32 M	4-68	F	58 M	2	S	11	4-68	420	
7DBD-1	LOG BK FK IR CO	1940	138	3	P	G	Q	4,439	+31 M	6-68	F	150 M	5	I	12	6-68	480	D
8AAA-3	ROBERT JOHNSON	1953	166	3	P	G	Q	4,471	+23 R	9-53	F	210 D	8	H				D
8AAA-4	A B DAHLE	1954	240	4	P	G	Q	4,469	+12 E	10-67	F	75 M	7	I	12	8-67	460	D
8ABB-1	OWEN JENSEN	1945	204	3	P	G	Q	4,460	+29 M	6-66	F	154 M	6	I				D
8ABB-2	OWEN JENSEN	1945	116	3	P	G	Q	4,461	+9 M	3-67	F	33 M	5	I	9	3-68	420	D
8ABB-3	L R WETTSTEIN	1955	108	3	P	G	Q	4,460	+9 M	4-68	F	100 M	12	S	11	4-68	410	D
8ABC-1	V S DAHLE	1917	94	2		G	Q	4,461	F		F			S	11	4-68	490	
8BBC-1				3		G	Q	4,443	F		F	5 E		I	11	5-68	490	
8BDA-2	J M THEURER	1940	97	3	P	G	Q	4,455	F		F	9 M		S	11	4-68	570	D
8CBB-1	LOG BK FK IR CO	1940	175	5	P	G	Q	4,446	+34 M	10-67	F	394 M	12	I	12	8-67	530	D1
8DDA-1	AMG SUGAR CO			4		G	Q	4,473	F		F			N				
8DDA-2	AMG SUGAR CO	1914	87	4		G	Q	4,472	F		F			N				
8DDA-3	AMG SUGAR CO	1914	85	6		G	Q	4,472	+14 M	9-67	F	90 M	8	N	11	8-67	490	C W
9AAB-1	RANZENBERGER			2		G	Q	4,492	+4 M	6-68	F	7 M	2	H	11	6-68	570	
9AAC-1	NELSON					G	Q	4,488	F		F	8 M		H	10	6-68	520	
9AAD-1	LEGRAND JOHNSON	1964	385	8	P	G	Q	4,495	3 M	6-68	C	150 D	50	N	14	6-68	420	D
9ABD-1	NIELSEN OIL CO	1961	108	4	P	G	Q	4,485	+3 M	3-67	F	72 M	43	N				D
9ABD-2	ROY S BERNTSEN			3		G	Q	4,485	+8 M	6-68	F	22 M	4	H	11	6-68	560	
9ACA-1	J L BRADLEY	1919	195	2	O	G	Q	4,486	+7 M	6-68	F			S	11	6-68	520	
9ACB-1	J RINDERKNECHT	1932	87	2		G	Q	4,482	F		F	10 E		S	11	6-68	490	
9ACB-2	DEAN HADFIELD	1964	182	6	O	G	Q	4,483	+13 M	6-68	F	150 D	15	H	12	7-68	590	C D
9ADB-4	NELLIE B TARBET	1952	190	2	P	G	Q	4,488	+6 M	6-68	F			H	11	6-68	570	D
9BDD-1	R NEIDERHAUSER	1936	80	2	O	G	Q	4,478	+12 M	6-68	F	0.4 M		S	11	6-68	550	D
9CAB-3	REED GIBBONS	1956	167	3	P	G	Q	4,475	+19 M	6-68	F			S	11	6-68	510	D
9CAD-2	HYRUM GIBBONS	1938	117	3	O	G	Q	4,477	+16 M	6-68	F	160 D	12	S	11	6-68	560	D
9CBC-1	A PETERSON					G	Q	4,470	+16 M	10-67	F	5 M	0.5	S	11	8-67	500	
9CDA-1	HYRUM GIBBONS	1933	110	2		G	Q	4,475	+14 M	6-68	F			S	11	6-68	530	
10CCD-1	W K BARLOW	1966	186	4	O	G	Q	4,510	9 M	11-68	S	25 D		H		11-68	530	D
10DAD-1	PROVIDENCE CITY	1965	366	16	P	G	Q	4,638	138 M	3-67	T	2,020 D	60	P		8-66	520L	C D1
14DAA-1	G E BANKHEAD	1963	110	12	P	BG	Q	5,090	45 M	6-68	N			I				D
14DAA-2	G E BANKHEAD	1962	64	4	O	BG	Q	5,090	45 R	12-62	N	10 D	5	I				D
14DDC-1	D J WILSON		146	4			Q	5,125			N	0 M		U				J
16AAA-1	W J MATHEWS	1965	200	4	O	G	Q	4,489	+5 M	3-69	C	43 M	9	H	13	6-68	600	D
16BCB-1	C C GOODWIN	1925	200	3		G	Q	4,495	F		F			S	11	6-68	480	
16DBD-1	HOWARD FUHRIMAN	1946	95	4	P	G	Q	4,500	6 R	3-46		12 D	2	H				D
17AAB-1	B G RUSSELL	1963	155	4	O	G	Q	4,483	+13 M	10-67	F	167 M	17	I	11	8-67	520	D
17BDA-1	G L NELSON	1968	136	4	O	R	Q	4,483	+5 M	10-68	F	60 M	17	H	10	10-68	500	D J
17BDD-1	MERRILL HANSEN	1923	145	2		R	Q	4,480	+5 M	7-68	F			H	11	7-68	480	
17CAB-1	W ALBISTON	1920	124	2		G	Q	4,482	+8 M	10-67	F	25 M	4	H	12	8-67	470	
18ADD-1	E M JENSON	1967	146	4	O	G	Q	4,462	+24 M	11-67	F	33 M	2	H	10	11-67	420	D
18CAA-1	DUANE COX	1952	102	2	P	R	Q	4,450	+27 M	4-68	F	40 D	1	H		4-68	460	D
18CAC-1	GEORGE SPETH	1925	100	2		G	Q	4,451	F		F			I	11	4-68	520	
18CAD-1	OWEN SPETH	1918	100	3		G	Q	4,453						I				
18CAD-2	GEORGE SPETH	1930	100	2		G	Q	4,457	+23 M	10-67	F	8 M	0.4	I	11	8-67	480	
18CAD-3	OWEN SPETH	1923	110	2		G	Q	4,455	F		F			I				
18CDA-1	ERASTUS OLSEN	1907	130			G	Q	4,458	+20 M	10-67	F	36 M	2	I	11	8-67	490	
18DAD-1	ERASTUS OLSEN	1911	156			G	Q	4,470	+11 M	10-67	F	12 M	1	H	11	10-67	440	
18DDD-1	GRANT OLSEN	1906	145	2		G	Q	4,480	+7 M	9-67	F	16 M	3	H	11	8-67	460	C W
19AAB-1	RICHARD BAKER			2		G	Q	4,482	+2 M	6-68	F			H	14	6-68	390	
19ACB-1	E H ANDERSON	1936	122	2	O	G	Q	4,480	+6 M	10-67	F	9 M	2	H	11	8-67	510	D
19BBB-1	ROY E OLSEN	1901	132	2		G	Q	4,456	+25 M	10-67	F	16 M	0.7	H	11	8-67	480	
19CAA-1	LDS COLLEGE WD	1937	126	3	O	G	Q	4,488	F		C			H				D
19CAA-4	FED ZILLES	1946	129	3	P	G	Q	4,488	5 M	6-68				H	11	6-68	480	D
20ACC-1	COL WARD IRR CO	1934	142	12	P	G	Q	4,508	12 M	10-67	T	1,000 R	50	I				D
20ADA-1	COL WARD IRR CO	1963	378	16	P	G	Q	4,522	23 M	9-67	T	2,980 M	130	I	10	7-68	460	C D1 W
22BAB-1	DEWITT PALMER	1929	84	3		G	Q	4,580	65 M	10-67	N			U				J
27CDC-1	NIBLEY IRR CO	1963	596	20	P	G	Q	4,602	115 M	10-67	T	3,800 D	240	I	11	7-68	492L	C D1 W
28BDB-1	D A JOHNSON	1962	168	4	P	G	Q	4,571	90 R		S	20 R		H		9-68	420	D
30BBC-1	UTAH STATE UNIV	1966	200	6		G	Q	4,492	1 M	11-67				S				W
30BCB-1	UTAH STATE UNIV	1920	60	2		G	Q	4,491	6 M	2-67				H				W
32CAA-1	PRESTON ALLEN	1961	11	36	O	R	Q	4,574	3 M	10-67				S				W
32DCB-1	E A MILLER SONS	1968	355	12	P	C	Q	4,610	109 M	4-67	T	1,084 D	72	N		3-68	880L	C D1 J
34BCB-1	LEGRAND JOHNSON	1964	228	12	P	G	Q	4,639	148 M	10-67	T			N				D
34DCA-1	A G PACE	1968	186	6	P	G	Q	4,655	158 M	8-68		12 D		H				D J
(A-12- 1)																		
3BBB-1	SMITHFIELD IRR	1934	166	12		G	Q	4,508	7 M	9-67	T	800 D		I				D W
3BBB-2	NORA S JOHNSON	1934	120	2		G	Q	4,508	2 M	10-36	N			U				W
3CBD-1	D D LAMB	1961	125	2	P	G	Q	4,482	+26 M	8-67	F	60 M	2	S	12	8-67	610	D W

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	WELL CONSTRUCTION DIAMETER (IN)	WELL CONSTRUCTION FINISH	WATER BEARING FORMATION MATERIAL	WATER BEARING FORMATION AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	SPECIFIC CONDUCTANCE MICROMHOS	OTHER DATA AVAILABLE
(A-12- 1)																		
3CBD-2	M J MITTON	1966	136	4		G	Q	4,478	+18 M	5-66	F			I		8-66	595L	C
3CCC-1	WALLACE ROSE	1958	114	2	P	G	Q	4,472	+19 M	6-68	F	7 M	0.4	C	14	6-68	450	D
3CCC-2	OUEARD BALLS	1962	137	4	P	G	Q	4,474	+25 M	6-68	F	150 M	6	C	13	6-68	440	DI
4ABB-1	JAMES HINDS	1939	182	3	O	G	Q	4,484	+7 M	1-68	F	29 M	4	S	13	1-68	550	D
4BBC-1	W C GLAYPOOL	1936	85	3	O	G	Q	4,461	+19 R	7-36	F	60 D	3	U				D
4BCB-1	MOSE RICHARDSEN	1936	133	3	O	G	Q	4,458	+21 M	1-68	F	94 M	5	I	11	1-68	780	D
4BCC-1	MOSE RICHARDSEN	1936	48	4		G	Q	4,454	+20 M	1-68	F	67 M	4	I	11	1-68	680	D
4CAD-1	WILL FALLET			2		G	Q	4,456	+8 M	2-68	F	2 M	0.3	S	11	2-68	600	
4CBC-1	THEO CHAMBERS			2		G	Q	4,446	+9 M	4-68	F	0.02 M		S	7	4-68	560	
4CDD-1	GEORGE DAINES	1905	163	2		G	Q	4,454	+28 M	9-68	F	0.1 M		S	12	4-68	500	
4DBD-1							Q	4,465	+10 M	4-68	F	0.2 M		S	9	4-68	740	
5AAA-1	OLLIE PITCHER			2			Q	4,457	+12 M	1-68	F	0.2 M		S	8	1-68	550	
5AAB-1	ERVIN PLOWMAN	1925	67	2		R	Q	4,452	+8 M	1-68	F	2 M	0.3	S	12	1-68	470	
5ABC-1	RALPH THORNLEY	1916	75	2		R	Q	4,443	+12 M	3-68	F	1 M	0.1	S	11	3-68	470	
5DAC-1	DR CHAMBERS			2			Q	4,441	+8 M	3-68	F	2 M	0.3	S	12	3-68	500	
5DAC-2	GEORGE CHAMBERS	1939	235	2	O	G	Q	4,440	+29 M	3-68	F	4 M	0.2	S	16	3-68	500	D
5DBB-1	GEORGE CHAMBERS	1929	208	2		R	Q	4,437	+25 M	2-68	F	8 M	0.4	S	13	2-68	440	
6BBB-1	A V REESE			2		S	Q	4,438	F		F			S	13	10-68	770	
6BBC-1	CHARLES L REESE	1959	566	2	P	S		4,440	+33 M	10-68	F	10 D	0.3	H	14	10-68	940	D
6BCB-1	CHARLES F REESE			1		S	Q	4,440	F	10-68	F	1 M		S	13	10-68	910	
6BCC-1	C L REESE	1961	585	2	S	G	Q	4,437	+28 M	6-68	F	21 M	1	S	14	11-68	890	D
7ACC-2	A BEAGER		375	2		R	Q	4,432	+3 M	8-67	C	2 M	0.8	H	13	8-67	460	
7ADD-1	C SEAMONS	1961	182	2	P	S	Q	4,434	+10 M	4-68	F	11 M	1	S	13	4-68	440	DI
7BBB-1	L REESE	1956	475	2	P	G	Q	4,426	F		F	7 M		H	16	8-67	820	D
7BBC-2	GEORGE COWLEY	1890	375	2		R	Q	4,426	F		F	3 M		S	14	8-67	480	
7BCB-1	J C MAUGHAN	1954	470	2	P	G		4,430	+44 M	4-68	F	55 D		H		4-68	1500	D
7DBA-1	A V REESE			1			Q	4,432	F		F	0.04 M		S	10	9-68	520	
8AAC-1	J HURREN			3			Q	4,439	+6 M	8-67	F	5 M	1	S	13	8-67	550	
8ACB-1	R E LEE	1895	60	2			Q	4,439	+7 M	4-68	F	10 M	2	S	12	4-68	520	
8DCA-1	ROBERT GITTINS	1942	189	3	P	G	Q	4,442	F		F	150 M		I	16	6-68	440	D
8DDD-1	ROYAL LEE	1962	47	2	O	G	Q	4,441	+13 M	6-68	F	4 M	0.4	I	13	6-68	590	D
9AAD-1	CACHE TRAC CO	1965	112	4	O	G	Q	4,469	+29 M	3-67	F	15 D	1	C				D
9BAC-1	REUBEN PERKES	1927	146	2		R	Q	4,447	+10 M	6-68	F	0.5 M		S	12	6-68	590	
9BAD-2	F C LEE					R	Q	4,449	+8 M		F	1 E		S	12	4-68	760	
9BBD-1	G S DAINES	1928	78	2		R	Q	4,445	+10 M	11-68	F	0.7 M		S	12	8-67	700	
9CCB-1	LEO PERKES	1962	235	4	O	S	Q	4,442	+39 M	6-68	F	200 M	6	I	14	6-68	460	D
9DBB-1	DELBERT DUCE	1964	190	4	O	S	Q	4,449	+23 M	8-68	F	68 M	3	I	14	8-68	460	
9DCC-1				2			Q	4,449	+17 M	8-67	F	13 M	1	S	12	8-67	590	
10ABC-1	WILL GIBSON			3		R	Q	4,493	+6 M	6-68	F	9 M	2	I	12	6-68	470	
10ACA-1	S THURSTON	1924	114	2		R	Q	4,507	4 M	6-68	N			S				
10ACB-1				2		R	Q	4,501	+3 M	6-68	F	0.8 M	0.5	S	11	6-68	510	
10BAC-1	E L WAITE	1920	112	2		R	Q	4,485	+19 M	6-68	F	11 M	0.7	I	13	6-68	480	
10BBC-1	LEMOILLE HARRIS	1966	115	4		R	Q	4,469	+33 M	6-68	F			C	14	6-68	510	
10BCA-1	HENRY ASHCROFT	1966	102	6		R	Q	4,475	F		F			I	13	6-68	490	D
10BCC-1	O NELSON	1962	106	4	X	G	Q	4,463	+45 M	8-67	F	222 M	5	I	14	8-67	520	
10BDD-1	BRUCE HURREN	1966	77	4		R	Q	4,488	+14 M	6-68	F	150 M	8	I	11	6-68	530	
10CBB-1	H E HANCEY	1915	106	2		R	Q	4,462	+36 M	8-67	F	92 M	3	S	14	8-67	520	
10CCC-1	VINCENT NIELSEN	1963	210	4	O	R	Q	4,460	+36 M	6-68	F	120 D	5	H	16	6-68	440	C D
11BAA-1	HYDE PARK TOWN	1968	622	16	P	R	T	4,755	199 M	7-68				P				D J
14CCC-1	NORTH LOGAN	1961	122	2	O	G	Q	4,600	104 M	3-63	N			U				D
15CBA-1	DAINES DAIRY	1918	75	2		G	Q	4,485	+8 M	8-67	F	8 M	1	H	12	8-67	720	
15CCB-1	DEAN H HALE			2		R	Q	4,484	+12 M	4-69	F			H	15	4-69	480	C
16AAC-1	ERNEST OLSEN	1925	80	4		G	Q	4,464	+7 R	7-32	F	51 R	5	I				
16ADA-1	ERNEST OLSEN	1958	202	2		G	Q	4,472	+29 M	8-67	F	9 M		H	17	8-67	500	D
16CAC-1	BENSON IRR CO	1929	44	4	X	G	Q	4,453	+15 M	2-68	F			I	16	2-68	540	
16CAC-2	BENSON IRR CO	1929	180	4		G	Q	4,454	+27 M	11-67	F	19 M		I	21	8-67	570	W
16CAC-3	UTAH STATE UNIV	1929	45	1	T	G	Q	4,454	+8 R	7-32	F			U				
16CBC-3	A D BLANCHARD	1929	48	2		G	Q	4,451	F		F			S				
16CCB-2	ASAEL BLANCHARD	1929	52	3		G	Q	4,452	F		F			U				
16CDB-1	BENSON IRR CO	1929	48	4		G	Q	4,453	F		F	23 M		I	21	8-67	590	J
16DAA-1	PETERSON	1961	170	2	O	G	Q	4,472	+18 M	6-68	F			H	11	6-68	480	D
16DAA-2	THIOKOL CORP	1925	160	2		G	Q	4,272	+22 M	5-69	F	43 M	2	U	17	5-69	470	
16DAD-2	THIOKOL CORP	1930	73	60		G	Q	4,477	F		F	2,000 R	1/34	U	16	5-69	510	
16DBA-1	S THURSTON		59	5		G	Q	4,464	F		F	176 M		S	12	6-68	620	
16DBC-1	DON BODRERO	1959	160	2	P	G	Q	4,466	+30 M	6-68	F	60 D	2	H	20	6-68	490	D
16DCB-1	UTAH STATE UNIV	1929	45	1	T	G	Q	4,462	+6 R	7-32	F			U				
16DDD-1	CHARLES TAYLOR	1967	243	4	O	G	Q	4,477	+18 M	2-68	F	36 M	2	H	22	2-68	500	C DI J
17ABB-1		1915	100	3		R	Q	4,438	+11 M	6-68	F	2 E		I	12			
17ABB-2		1915	100	3		R	Q	4,438	+11 M	6-68	F	1 E		I	12	6-68	540	
17ADA-1	LOGAN AIRPORT	1942	145	3	P	R	Q	4,445	+48 M	6-68	F	425 D	11	H	18	6-68	420	C D
17ADD-1	LOGAN AIRPORT	1951	154	8	P	R	Q	4,445	+43 M	6-68	F	400 D		F		6-68	470	D
17CBD-1	SIDNEY M REESE	1915	60	3		R	Q	4,437	+10 M	5-68	F	23 M	2	S	12	5-68	520	
17DAA-1	BENSON IRR CO	1942	144	4	P	S	Q	4,449	+14 M	8-67	F	10 M	7	I	16	8-67	560	D J W
17DAB-1	BENSON IRR CO	1942	160	4	P	R	Q	4,447	+47 M	8-67	F	58 M	1	I	21	8-67	480	D
17DCC-1	SERGE BODRERO	1958	53	2	P	G	Q	4,444	+13 M	5-68	F	28 M	2	S	17	5-68	540	D
18CBA-1	C HASLAM	1968	355	8	O	G	Q	4,427	+35 M	12-68	F	400 E		I	13	4-68	390	D J
18DDC-1	ALTON HOFFMAN	1962	337	4	O	G	Q	4,428	+27 R	7-62	F	60 D	2	I	12			D

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	DIAMETER (IN)	FINISH	WATER BEARING FORMATION MATERIAL	AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	SPECIFIC CONDUCTANCE MICROMHOS	OTHER DATA AVAILABLE
(A-12- 1)																		
19CBD-1	U S U EXPER FM		40	3		R	Q	4,427	+5 M	8-67	F	78 M	21	I	11	8-67	500	
19DAC-1	UTAH STATE UNIV	1963	220	16	P	R	Q	4,432	F		T	799 D	16	I	14			D
20BDA-1	C WENNERGREN			3		G	Q	4,444	+8 M	5-68	F	20 M	3	I	17			
20BDD-1	C WENNERGREN	1938	117	2	O	G	Q	4,444	+45 M	5-68	F	48 M	1	I	23	5-68	510	D
20CAA-1	C WENNERGREN	1931	115	3		G	Q	4,443	+31 M	5-68	F			I	24	5-68	460	
20CAC-1	C WENNERGREN	1937	118	2		G	Q	4,443	+39 M	5-68	F	118 M	3	I	23	5-68	470	
20CAD-1	C WENNERGREN	1951	113	2	P	G	Q	4,446	+36 R	5-51	F	61 M	3	I				D
20DAA-1	J W QUALE	1886				G	Q	4,455	+10 M	5-66	F	30 M	4	S	19	8-67	570	
20DAA-2	J W QUALE	1944	55	2	P	G	Q	4,456	+9 M	8-67	F	14 M	2	S	19	8-67	590	D
20DCB-1	EDGAR WURSTEN	1963	40	3	P	R	Q	4,449	+8 M	5-68	J	120 M	20	I	17	5-68	440	D
20DCD-1	WM KROPTLE	1928	60	3		R	Q	4,453	+9 M	8-67	F	33 M	6	S	18	8-67	490	
21AAA-1	LAURA R MERRILL	1910	50	2		G	Q	4,483	+15 M	8-67	F	1 M		U	19	8-67	590	
21CAA-1	A A BECKSTED	1959	132	4	P	G	Q	4,473	+21 M	8-67	F	31 M	2	I	24	8-67	560	D
21CBD-1	W PEART	1954	136	2	P	G	Q	4,466	+27 M	8-67	F	11 M	2	S	25	8-67	500	D
21CDD-1	CHAS FULMER	1967	79	2	O	G	Q	4,485	7 M	8-67	C	30 D	3	H				D
21DCA-1	LEONARD KEARL	1957	57	2	P	G	Q	4,492	+5 R	10-57	F	11 D	2	U	17			D
22CCC-1	FRED SEARS	1959	58	4	P	G	Q	4,515	22 M	2-67	J			H				D W
22CCC-2	FRED SEARS	1965	200	8	P	G	Q	4,517	18 M	10-67	S	150 D	25	I	27	11-65		D W
24BCC-1	FOREST NURSERY	1957	347	12				4,835			N	0 D		U				DI
26BAA-1	NORTH LOGAN	1961	147	2			Q	4,665			N	0 D		U				D J
27AAB-1	FRED V STETLER	1953	197	4	P	G	Q	4,598	114 R	4-62		16 D		H	26	11-68	450	D
27BBC-1	ALFRED GNEHM	1947	73	4	P	G	Q	4,517	18 M	10-68	N	10 D	20	U				D
27CAB-1	LOGAN CITY CORP	1964	800	20	P	G	Q	4,550	54 M	3-68	T	4,555 D	120	P	18	1-65	450L	C D1
27DCD-1	LOGAN CITY CORP	1962	470	20	P	G	Q	4,625	148 M	2-67	T	3,690 D	180	P		6-62	419L	C D
28ABB-1	F G ROBINSON	1940	60	2	P	G	Q	4,493	0 M	8-67	P	5 D		S				D
28ABD-1	H B THEATRES	1950	90	6	P	R	Q	4,498	7 R	5-50		30 D		C	14	7-60	564L	C D
28ADB-2	H B THEATRES	1968		6		R	Q	4,508			S			C		6-68	460	
28BAA-3	LOGANA PLUNGE	1908	147	2		G	Q	4,486	+10 M	8-67	F			I	24	8-67	470	
28BAA-5	LOGANA PLUNGE	1929	147	4		G	Q	4,486	F		F			R	25	8-67	470	C
28BCA-1	LDS WELFARE FM	1927	135	2		R	Q	4,476	+15 M	8-67	F			S	23	8-67	430	
28BCB-1	SERGE BODRERO	1918	72	2		R	Q	4,472	F		F	21 M		S	17	2-68	480	
28BDC-1	LEONARD KEARL		150	2		R	Q	4,482	+9 M	6-68	F	4 M		S	21	6-68	420	
28CAB-1	CLYDE LISONBEE	1961	163	4	O	G	Q	4,485	+8 M	8-67	F	75 M	11	N	21	8-67	430	D
28CAB-2	L ANDREWS	1954	60	2	P	G	Q	4,485	+4 M	8-67	F	12 M	5	S	16	8-67	510	D
28CCA-1	M BODRERO	1931	68	3		G	Q	4,482	+8 M	8-67	F	100 M	14	I	16	8-67	510	
28CCA-2	M BODRERO	1934	60	4		G	Q	4,482	+8 M	8-67	F	150 M	19	I	16	8-67	500	
28CCC-1	H T HARDMAN	1949	63	3	P	G	Q	4,482	+9 M	8-67	F	120 M	14	S	12	8-67	480	D
29ABA-1	E W HEATON	1950	42	2	P	G	Q	4,453	+6 M	8-67	F	16 M	5	S	18	8-67	500	D
29ABA-2	E W HEATON	1951	51	4	P	G	Q	4,453	+7 M	8-67	F	86 M	14	I	18	8-67	500	D
29ACC-1	GOSSNER CHEESE	1966	108	6		G	Q	4,450	+31 R	8-67	F	550 R	18	N	23	8-67	470	
29CAB-1	EDWIN GOSSNER	1900	43	2		R	Q	4,442	+14 M	8-40	F			U	18	8-40		W
29CBA-1	EDWIN GOSSNER	1900		2		R	Q	4,435	+24 M	6-68	F	3 M		S	18	6-68		
29CBA-2	EDWIN GOSSNER	1962	158	4	O	G	Q	4,440	+28 M	6-68	F	375 D	14	S	18	6-68	440	D1 J
29CDB-1	EDWIN GOSSNER	1900		3		R	Q	4,442	+29 M	6-68	F	94 M	3	I	20	6-68	420	
30AAA-1	J REED JOHNSON	1967	161	2	O	G	Q	4,435	+21 R	4-67	F	70 D	3	S	14	2-68	430	D
31BCC-1	WALTER THOMAS	1929	72	2		G	Q	4,431	+12 M	11-67	F	5 M	0.5	S	12	8-67	450	
31CAB-1	J L QUAYLE	1927	190	3		G	Q	4,431	+31 R	4-62	F	40 E	2	S				
31CBA-1	J L QUAYLE	1927	190	3		G	Q	4,432	+34 M	8-67	F	17 M	0.5	S	14	8-67	430	J
31CCD-1	WM WORLEY	1909	180	2		G	Q	4,430	+17 M	8-68	F	14 M	0.8	S	14	8-68	400	
31DAB-1	R S PAINTER	1914	132	3		G	Q	4,433	+30 M	9-67	F	273 M	10	S	17	8-67	430	C W
31DBB-1	R T NISH	1964	171	2	O	G	Q	4,430	+36 M	3-67	F	75 M		S				D
31DDC-1	ALTON DAHLE	1910	100	3		G	Q	4,429	F		F	17 M		S	12	3-68	410	
32ADA-1	F BODRERO		137	4		G	Q	4,463	+19 R	4-43	F	210 M	10	I	14	8-67	390	
32ADA-2	F BODRERO		127	4		G	Q	4,463	+17 R	7-40	F	180 M	12	I	14	8-67	390	
32ADA-3	LDS CHURCH FARM	1942	130	4	P	G	Q	4,464	+21 M	8-68	F			I	13	8-68	390	D
32ADD-5	LDS CHURCH FARM	1943		4		G	Q	4,466	+13 M	8-68	F	93 D	8	I	15	8-68		
32ADD-6	LDS CHURCH FARM	1945	132	4	P	G	Q	4,464	+22 M	8-68	F	450 D		I	12	8-68	380	D
32BAD-1	JAMES HUBBARD	1931	118	3		G	Q	4,445	F		F	38 M		I	15	6-68	380	
32BBA-1	G I SORENSEN	1956	108	2	P	G	Q	4,437	+28 M	6-68	F	50 M	2	S	16	6-68	380	D
32BCC-1	STATE FISH DEPT	1932	115	2		G	Q	4,439	F		F			N				
32BCC-2	STATE FISH DEPT	1959	206	8	P	G	Q	4,438	+12 R	8-59	F			N				D
32BCC-3	STATE FISH DEPT	1959	115	6	P	G	Q	4,438	+6 R	6-59	F	320 D	53	N				D
32BCC-4	STATE FISH DEPT	1959	112	6	P	R	Q	4,438	+6 R	7-59	F	400 D	66	N				D
32BCD-1	STATE FISH DEPT	1961	417	6	P	R	Q	4,438	F		F	650 D		N				D
32BCD-2	STATE FISH DEPT	1961	265	8	P	R	Q	4,438	F		F	225 D		N				D
32BCD-3	STATE FISH DEPT	1959	200	8		R	Q	4,438	+12 R	9-59	F			N				D
32BDA-1	JACK PARSON		110	2		R	Q	4,443	+27 M	3-68	F	10 M		S	14	3-68	380	
32CBB-1	STATE FISH DEPT	1939	107	4	P	G	Q	4,437	+11 M	11-67	F	107 M	10	N	14	8-67	420	C D
32CBB-2	STATE FISH DEPT		101	4	P	G	Q	4,437	+11 M	11-67	F	150 M	13	N				D
32CBB-3	STATE FISH DEPT	1928	112	4		G	Q	4,439	F		F			N				
32CBB-4	STATE FISH DEPT	1929	108	4		G	Q	4,439	F		F			N				
32CBB-5	STATE FISH DEPT	1929	111	4		G	Q	4,439	F		F			N				
32CBB-7	STATE FISH DEPT	1938	150	4		G	Q	4,439	+22 R	5-38	F	200 D	9	N	12	5-38		D
32CBB-8	STATE FISH DEPT	1928	112	4		G	Q	4,438	F		F			N				
32CBB-11	STATE FISH DEPT		114	2		G	Q	4,440	F		F			N				
32CBB-12	STATE FISH DEPT	1944	106	2	P	G	Q	4,437	+22 R	5-44	F	330 D	15	N	14	5-44		D
32CBB-13	STATE FISH DEPT	1930	139	4		G	Q	4,439	F		F			N				

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	DIAMETER (IN)	FINISH	WATER BEARING FORMATION MATERIAL	AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFICCAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	MICROMHOS	OTHER DATA AVAILABLE
(A-12- 1)																		
32CBB-14	STATE FISH DEPT	1930	108	3		G	Q	4,437	F		F		25	N				
32DAA-1	LDS CHURCH FARM	1959	132	4	P	G	Q	4,463	+18 R	6-59	F	450 D		I				D
32DBA-1	T E HUNSAKER	1950	119	2	P	G	Q	4,450	+18 M	10-67	F	17 M	1	H	12	9-67	400	D W
33BAC-3	ESTER JORGENSEN			2		G	Q	4,486	+5 M	12-67	F			U	10	12-67	420	
33BBD-1	OLSEN & JENSEN	1960	141	4	P	G	Q	4,481	F		F			N				D
33BCA-1	K E BENSON	1953	147	2		G	Q	4,478	+13 M	8-67	F	61 M	5	S	13	8-67	400	
33BCC-3	ELIASON PACK CO	1940	64			G	Q	4,472	+12 M	8-67	F	10 M	1	S	12	8-67	440	
33CBA-4	RAY WOODBURY		164	3		G	Q	4,490	2 M	6-66	C			C				
34CCA-1	LOGAN CITY CORP	1963	1,000	20	P	G	Q	4,550	53 M	2-67	T	4,418 D	140	P	14	2-63	375L	C D1
34CCC-1	LOGAN IS IRR CO	1934	119	12		G	Q	4,528	33 M	8-67	T			I				D W
35BCC-1	LOGAN CITY CORP	1963	978	20	P	G	Q	4,600	100 M	2-67	T	4,170 D	350	P		3-63	372L	C D
(A-13- 1)																		
3BAB-1	F A BAIR	1926	125	3		R	Q	4,495	+14 R	6-40	F	1 M	0.7	S	10	6-68	680	
3BAB-2	F A BAIR	1926	125	3		R	Q	4,495	+15 R	6-40	F	30 M	2	S	10	6-68	660	
3BAB-3	F A BAIR	1926	125	3		R	Q	4,494	+15 M	3-69	F	1 M		S	10	6-68	660	
3CAB-1	O J MENDONHALL	1930	125	2			Q	4,493	F		F	2 M		I	11	6-68	680	
5CBA-1	F A BAIR	1935	61	2	U	S	Q	4,421	+7 R	9-35	F	2 M	0.7	S	11	9-68	3100	D
8CAA-1	FREED M WINN	1935	250	4	U	S	Q	4,452	+18 R	4-35	F	2 M	0.3	I	14	9-68	1900	D1 J
8DCB-1	WICK EWING	1937	248	3	U	S	Q	4,455	+9 R	5-37	F	40 D	4	U	12	9-68	850	D
11BBB-1	O J MENDONHALL	1951	21	6	P	G	Q	4,627	10 M	6-68	P	8 D		S				D
11BBB-2	O J MENDONHALL	1964	170	4	U	G	Q	4,613	7 M	6-68	N	1 D	0.03	S				D1 J
16BAC-1	GEORGE G NELSON	1943	68	3	P	G	Q	4,480	+9 R	6-43	F	90 M	19	I	11	9-68	700	D
16BBA-1	WINN MILTON	1937	132	3	U	G	Q	4,475	+14 R	5-37	F	40 E	9	S	11	9-68	700	D
16CBB-1	WM ERICKSON	1926	85	4		R	Q	4,476	+8 M	8-67	F	15 M	2	I	12	8-67	640	
16CBC-2	J E SHEFFER	1933	100	3		R	Q	4,472	F		F			S	12	9-68	610	
16CCB-1	A A MILES	1918	90	3		R	Q	4,481	+10 M	9-68	F	55 M	6	S	11	9-68	620	
17AAD-1	WEST BENCH IRR	1940	152	3	P	G	Q	4,461	+6 M	9-68	F	22 M	3	I	13	9-68	700	D
17AAD-2	WEST BENCH IRR	1927	140	3		G	Q	4,465	+3 M	9-68	F	8 M	2	I	13	9-68	1100	
17ABB-1	PHIL TOUT	1937	140	2	U	G	Q	4,456	+21 M	9-68	F	7 M	3	S	13	9-68	910	D J
17DAA-1	BEN FUELLER			3		R	Q	4,470	+7 M	9-68	F	0.6 M	4	S	12	9-68	660	
17DAA-2	FUELLER BROS	1928	150	3		R	Q	4,470	+18 M	8-67	F	67 M		I	12	8-67	470	
17DCC-1	KEITH MEIKLE	1967	100	6	U	G	Q	4,455	+17 R	3-67	F	350 M	23	I	12	9-68	510	D
17DDC-1	LEONARD OLSEN	1949	66	4	P	G	Q	4,469	+21 M	9-68	F	375 M	25	I	11	9-68	520	D
18DDA-1	C R LARKIN	1967	198	2	U	R	Q	4,443	+12 M	9-68	F	15 M	1	I	11	9-68	990	D1
19CAC-1	CACHE VAL DAIRY	1957	5,500	5	X	C	T	4,446	+30 R		F	75 R	3	N	21	7-57	1480L	C D1 J
20AAA-1	WILLIAM LOW	1957	90	4	P	R	Q	4,478	+13 M	9-68	F	136 M	13	I	11	9-68	510	D
20ACB-1	AMALGA TOWN	1962	107	4		G	Q	4,460	F		F			P				
20ACB-2	AMALGA TOWN	1921	139	2		G	Q	4,460	+30 R	8-27	F	93 R	3	P				C
20ACB-3	AMALGA TOWN	1947	98	4		G	Q	4,460	+32 R	7-47	F	440 D	14	P	11			D
20ACC-1	G R FISHER	1925	44	2		R	Q	4,463	+7 M	8-67	F	40 M	6	S	11	8-67	460	C
20ACC-2	G R FISHER	1925	90	3		R	Q	4,463	+27 R	8-40	F	196 R	7	S				
20ACC-3	J A HIND	1925	104	3		R	Q	4,462	+24 M	8-67	F	36 M	2	S	11	8-67	440	W
20ADD-1	D I NILSON	1961	228	4	P	G	Q	4,485	+5 M	6-68	F	105 M	3	S	11	6-68	390	D
20BAC-1	AMALGA TOWN	1939	209	4	X	R	Q	4,451	+35 R	1-39	F	250 D	7	U	11	2-46		C D
21BBB-1	W A HANSEN	1961	202	4	P	G	Q	4,485	+7 M	9-68	F	100 D		S	12	9-68	460	D J
27ACD-1	LOG HP SM CANAL	1966	248	20	P	G	Q	4,655	161 M	3-68	T	2,200 M	180	I	11	8-68	420	D
28AAA-1	LOGAN NO IRR CO	1962	477	20	P	G	Q	4,595	110 M	3-67	T	3,500 M	80	I	11	8-67	420	C D1
28CAB-1	SMITHFIELD CITY	1968	210	12	P	G	Q	4,524	28 M	9-68	T	1,837 D	170	P				D J
28CCD-1	G L CHAMBERS	1967	131	4	U	R	Q	4,510	12 M	10-68	C	25 D	6	H	12			D
28DAB-1	SMITHFIELD IRR	1954	235	12	P	G	Q	4,571	91 M	3-68	T	1,760 M	37	I	11	8-67	500	D
28DBB-1	SMITHFIELD IRR	1961	315	16	P	R	Q	4,547	61 M	3-68	T	3,100 M		I	11	8-67	510	D
29ADC-1	J C CANNELL	1919	106	2	U	R	Q	4,488	1 M	9-67	P			U	13	10-36		W
29ADC-2	J C CANNELL	1895	96	2	U	R	Q	4,487	+5 M	10-36	F	10 M	2	H	13	10-36		
29BAC-1	LYNN ERICKSON	1962	239	12	U	G	Q	4,455	+23 R	4-62	F	900 M	87	N	14	7-68	470	D1
29BCA-1	LYNN ERICKSON	1953	334	6	U	G	Q	4,445	+38 R	4-53	F	625 D	16	N	13	7-68	1500	D J
29BCA-2	LYNN ERICKSON	1961	98	4	P	G	Q	4,445	+4 R	3-61	F	5 R		N	12	7-68	550	D
29BCB-1	LYNN ERICKSON	1957	334	4	U	G	Q	4,442	+35 R	2-57	F	250 D	7	N	14	7-68	1800	D J
29BDB-1	LYNN ERICKSON	1953	153	6	U	G	Q	4,455	+31 R	6-53	F	475 D	15	N	14	7-68	500	D
29BDB-2	LYNN ERICKSON	1953	200	6	P	G	Q	4,458	+32 R	3-53	F	450 D	14	N	13	7-68	470	D
29BDC-1	LYNN ERICKSON	1963	270	12	P	G	Q	4,459	F		F	100 D		N	14	7-68	470	D J
29CDC-1	KERNAL TOOLSON	1934	174	3	U	G	Q	4,458	+10 R	4-62	F			I	13	10-68	430	
29CDD-1	RIVERSIDE WATER	1939	108	3	P	G	Q	4,467	+23 R	12-39	F	50 D	2	P	12			D
29CDD-2	RIVERSIDE WATER	1939	144	3	P	G	Q	4,467	+23 R	12-39	F	50 D	2	P	12			D
29CDD-3	RIVERSIDE WATER	1945	143	3	P	G	Q	4,467	+18 R	4-45	F	125 D	7	P	15	7-60	469L	C D
29CDD-4	RIVERSIDE WATER	1961	155	4	P	G	Q	4,467	+27 R	6-61	F	350 D	13	P				D
31ADA-1	T EARL ALLSOP	1944	239	3	P	S	Q	4,443	+11 M	10-68	F	5 D	0.6	S	13	10-68	650	D
31CCC-1	A C REESE	1918	400	2		G	Q	4,440	+12 M	10-35	F	3 M	0.2	S	14	10-68	850	
31CCC-2	A C REESE	1961	626	2	S	G		4,440	+30 M	10-68	F	35 D	1	H	18	10-68	930	D1
32DAA-1	DAVID WEEKS	1953	131	4	P	G	Q	4,476	+10 R	5-53	F	200 M	28	I	14	10-68	540	D
33ACA-1	SMITHFIELD IRR	1953	333	12	P	G	Q	4,543	60 M	3-67	T	1,640 M	44	I	12	8-67	550	D1

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	DIAMETER (IN)	FINISH	WATER BEARING FORMATION MATERIAL	AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	SPECIFIC CONDUCTANCE MICROMHOS	OTHER DATA AVAILABLE
(A-13- 1)																		
34BBD-1	SMITHFIELD IRR	1959	334	12	P	G	Q	4,581	87 M	3-67	T	1,200 M	150	I	12	8-67	550	D
34BCB-1	CALIF PACK CORP	1953	315	12	P	G	Q	4,554	67 M	3-67	T	820 R	120	N				D
34BCC-1	CALIF PACK CORP	1918	76	78		G	Q	4,550	65 M	3-67				N				
35BBB-1	SUNSHINE SALES	1960	290	12	P	G		4,710	227 R	11-60	T			C				D
35CDC-1	KEITH MEIKLE	1964	540	4	P	G		4,679	80 R	4-64	S	2 D	0.02	H				D1
(A-14- 1)																		
1CCC-1	SETH ALLEN	1961	300	12	P	R		4,516	40 M	10-67	N			I				D1 J W
2BBD-1	C M LARSEN	1953	160	4	P	R	Q	4,492	16 R	5-53	J	5 D	0.8	H		11-67	1000	D
2CCD-1	S W LARSEN	1949	105	4	P	G	Q	4,492	21 M	11-67	J	10 D	1	C		11-67	940	D
5CDB-1	MILO A KUPP	1965	7	48	H	7S	Q	4,506	5 M	10-68	C	30 E		I	12	10-68	620	
6CCC-1	FRED KARREN		20	36		7S	Q	4,503	3 M	9-67	T			I	18	9-67	1300	C W
6DCD-1	UTAH STATE UNIV	1947	255	4			Q	4,505						U				D1
10BCC-1	UTAH STATE UNIV	1947	200	3	P	R	Q	4,503	25 R	47	A	80 R	5	U				D1
11BCD-1	A H GEDDES	1967	165	12	P	G		4,512	39 M	8-67	T	1,400 D	180	I				D1 J
15CDC-1	H H MERRILL	1939	106	3		G	Q	4,472	+5 R	7-39	F	12 D		I				D
15DAD-1	R H SMITH	1958	79	6	P	G	Q	4,535	65 M	11-67	J			I				D
16DAD-1	WENDEL HURREN	1962	9	36	H	7S	Q	4,502	8 M	11-68	N	200 E		I	12	11-68	1000	
17AAA-1	UTAH STATE UNIV	1947	225	3	P	7S	Q	4,502	4 M	10-68	N	5 D	0.3	U				D1
22BAB-1	C W MERRILL	1932	126	3		R	Q	4,469	+1 M	11-67	F	111 R	10	I				
22BAD-1	C B STODDARD	1931	114	3		R	Q	4,466	+8 M	10-67	F	5 M	4	S	10	8-67	430	C W
22BBC-1	E HUTCHESEN	1935	107	2	U	G	Q	4,447	+26 M	9-67	F	55 D	2	N	11	9-67	420	D
22BBD-2	H H MERRILL	1932	102	2	X	R	Q	4,447	+10 M	3-36	F	6 M		S	9	3-36		W
22BDA-1	M TELFORD			3		R	Q	4,467	+8 R	9-38	F	37 R	5					
23BCA-1	W CHRISTENSEN	1949	94	6	P	BG	Q	4,555	86 M	11-67	S	24 D		H		11-67	330	D1
26BCB-1	W B HARRIS	1967	77	12	P	R	Q	4,548	+6 R	6-67	T	116 M	4	I	10	8-67	730	D
26BDA-1	RICHMOND IRR CO	1958	616	16			T	4,605	27 M	11-67	N	60 R		I				J W
26DAD-1	RICHMOND	1968	631	4		G	T	4,770	108 M	4-68	N	20 D		U		4-68	310	C D J
26DDA-1	G W PETERSON	1961	100	6		6R	Q	4,745	5 M	4-68	S	10 D	1	H				D J
27DCC-1	PET MILK CO	1934	150	12		G	Q	4,526	F		T			N	11	9-67	650	
29AAD-1	MERLE HYER	1954	12	24	H	7S	Q	4,473	12 M	11-68	N	100 E		U	10	11-68	640	
34ADB-1	CROCKETT CO	1931	150	12		G	Q	4,544	7 M	9-67	T	590 M		I				D1 W
34ADB-2	C W FUNK	1961	40	6	P	R	Q	4,541	12 M	11-67	C	40 D	3	H				D
34BDC-1	W G THOMPSON	1925	145	3		R	Q	4,488	+14 R	6-40	F	25 M	5	I	11	8-67	610	
34BDC-2	W G THOMPSON	1925	98	3		R	Q	4,488	+26 M	11-67	F	27 M	1	I	11	8-67	600	
34BDC-3	W G THOMPSON	1925	130	3		R	Q	4,485	+25 R	6-40	F	41 M	3	I	10	8-67	570	
34BDC-4	W G THOMPSON	1937	153	12		R	Q	4,492	F		T	200 R		I		11-67	590	D
34CAC-1	VICTOR JOHNSON	1926	110	3		G	Q	4,497	+12 M	10-36	F	15 M	1	S				W
34CAC-2	C W FUNK	1961	220	12	P	G	Q	4,495	+16 M	9-67	T	125 D	9	I	10	4-68	610	C D1
34DAB-1	QUENTIN PEART	1966	36	6		R	Q	4,535	10 M	9-67	S			I				
34DCA-1	RICHMOND IRR CO	1935	150	12	P	G	Q	4,520	5 M	3-67	T	290 M		I	12	8-67	470	D W
35CBB-1	RICHMOND IRR CO	1934	625	16	X	R	T	4,600	120 R	34	N			U				D1
(A-15- 1)																		
31DDD-1	W C MAUGHAN	1966	7	30	H	7S	Q	4,506	4 M	10-68	C	200 E		U				
35CDA-1	D R GEDDES	1955	301	10	P	BG	Q	4,475	2 M	11-67	F			I				D1 J
35CDB-1	D R GEDDES	1939	284	2		S		4,493	15 R	8-39		9 D	4	H		11-67	1600	D
35CDB-2	D R GEDDES	1953	299	4	P	R		4,493	19 R		T	10 E		S				D
(A-15- 2)																		
31CBA-1	STATE OF UTAH	1935	350	8		R		4,615	F		F	1 M		U	13	11-67	330	D
(B-10- 1)																		
1AAA-1	LLOYD BALLS		18	36	O	R	Q	4,578	7 M	10-68	C			H	13	10-68	570	
1AAA-2	AARON PRICE	1956	120	6	P	R	Q	4,573	80 R	7-56	J	10 D		H	12	2-69	650	D1
10CAD-1	L. B. CALLISTER	1968	195	8	P	G		4,650	22 M	12-68		80 D		H	13			D J
12AAA-1	O S BAILEY	1890	60	2		G	Q	4,641	+8 M	11-67	F	1 M	0.2	S	12	8-67	620	
12CBC-1	MARK LINDLEY	1945	162	3	P	G		4,682	+6 M	3-67	F	3 D	0.7	S				D
12DDD-1	FRANK GUNNELL	1962	250	4	P	BR	T	4,800	14 M	8-67	N	7 D	0.7	U				D1 J
13ABC-1	JOE STARKY	1964	140	4				4,807	50 M	5-66	S			H	11	9-68	600	
13BCB-2	JOSEPH PARKER	1947	83	4	P	G	Q	4,795	12 M	3-68		12 D	0.7	H				D W
14CBC-1	LOWELL GLENN	1946	107	3	P	G	Q	4,796	15 R		P	3 D	0.1	S				D1
14CCB-1	U S BUREAU REC	1962	24	3	O	R	Q	4,796	24 M	10-68	N			U				
23ACA-1	E H BANKHEAD	1936	45	3	O	G		4,950	+3 M	11-67	F	1 M	0.4	S	12	8-67	570	C D
23CBC-1	L D S CHURCH	1946	74	3		S	T	4,880	20 M	60			0.1	S				D1
23CBC-2	U S BUREAU REC	1962	25	3	O	R	Q	4,878	14 M	10-68	N			U				
(B-11- 1)																		
1ADB-1	KENNETH SPETH	1951	240	2	P	G	Q	4,429	+27 M	8-68	F	90 D	3	H	13	8-68	530	D
1BCD-2	MARK LINDLEY	1938	211	2	O	S	Q	4,425	+40 M	12-67	F	68 M	2	S	11	12-67	550	D
1BDD-1	H FUHRIMAN	1920	70	3		G	Q	4,427	+41 M	11-67	F	53 M	1	S	12	8-67	590	
1CAB-1	CARL SPETH	1929	195	2	O	G	Q	4,426	+37 M	9-68	F			H	12	8-68	530	
1CDD-1	H J FREDRICK	1937	161	3	O	G	Q	4,429	F		F	150 E						D
1DAB-1	RICHARD THALMAN	1962	178	2	O	G	Q	4,431	+37 M	8-68	F	120 D	5	H	12	8-68	530	D
1DBB-1	ROBERT THALMAN	1936	175	2		G	Q	4,429	+37 M	8-68	F			H	13	8-68	530	
1DDA-1	JOHN BAUR	1930		3		G	Q	4,434	F		F	65 R		I	11	12-67	440	

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	DIAMETER (IN)	FINISH	WATER BEARING FORMATION MATERIAL	AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	MICROMHOS	OTHER DATA AVAILABLE
(B-11- 1)																		
1DDB-1	LOG BK FK IR CO	1940	160	3	P	G	Q	4,430	+27 M	9-68	F	50 M	6	I	12	8-68	410	D
1DDC-1	SETH F SMOOT		190	3		G	Q	4,431	+30 R	4-43	F	180 R	6	S				
2AAA-1	IVAN T HURST	1930	145	2		R	Q	4,419	+10 M	11-67	F	17 M	2	S	11	8-67	460	J
2AAB-1	SETH SMOOT	1920	145	2		R	Q	4,418	F	9-68	F	4 M		S	11	9-68	470	
2ADC-1	HARRY TAYLOR	1945	199	2	P	R	Q	4,422	+26 M	8-68	F	40 D	2	H	13	8-68	540	D
2ADD-1	GEORGE SPETH	1920	145	2		R	Q	4,421	+11 M	9-68	F	15 E		S	11	9-68	470	
2BDC-1	WILLIAM KRUPELI	1942	230	2	U	S	Q	4,417	+30 M	9-67	F	15 D	1	H	13	9-67	590	D W
2CBD-1	HENRY ZOLLINGER			2		S	Q	4,416	+15 M	9-68	F	3 M	0.2	S	11	9-68	570	
2CCD-1	HENRY ZOLLINGER	1900	180	2		S	Q	4,419	+16 M	9-68	F	14 M	1	S	11	9-68	560	
2DAA-2	FRANK E HARRIS	1950	190	2	P	R	Q	4,224	+18 R	4-51	F	18 D	1	H	12	8-68	500	D
2DAD-2	CRAIG PINDER	1950	240	2	P	S	Q	4,424	+14 M	9-68	F	32 D	2	H	11	9-68	530	D
2DCB-1	SETH R SMOOT	1920	190	2		G	Q	4,420	+14 M	11-67	F	42 M	3	S	11	8-67	530	
3CBA-1	UTAH POWER CO		34	2		S	Q	4,409	+6 M	3-67	F			U				
3CCA-1	HEBER HARDMAN	1915	50	2	U	S	Q	4,410	+4 M	9-68	F	3 M	1	S	11	9-68	620	
4CAC-1	VERLAND SHELTON	1914	100	2		S	Q	4,414	+7 M	2-68	F	2 R	0.3	S	11	2-68	730	
4CDA-1	L A LARSEN	1907	135	2		S	Q	4,413	+1 R	2-42	F	0.9 M	0.5	S	10	9-68	1200	
4DDB-1	REEVES BIRD	1911	70			/S	Q	4,410	+4 M	8-67	F	0.2 M		S	13	8-67	850	
5ACC-2	MERVIN WILLIE	1920	30	39			Q	4,550	9 M	3-68				H				W
5DCA-1	DEAN MAURER	1968		4		R	Q	4,475	2 M	9-68	C			S				
5DDB-1	FRED BOWEN		120	2		R	Q	4,470	+6 M	9-68	F	3 M	0.5	U	10	9-68	770	J
8DDA-1	M E JAMES JR	1963	182	4	U	R	Q	4,438	+8 M	8-68	F	10 D	2	H	11	8-68	435	D1
9AAD-1	OWEN SORENSEN	1926	70	2		S	Q	4,413	+4 M	9-68	F	0.6 M	0.2	S	12	9-68	730	
9BAD-1	OLIVER TAYLOR	1937	194	2	U	S	Q	4,417	+4 M	8-68	F	2 M	0.9	S	11	8-68	750	D
9BDB-1	WAYNE HIBBNER	1937	100	2	U	S	Q	4,419	F		F	0.5 D			10	8-68	690	D
9CDB-1	WM LONGSTROTH	1955	136	2	P	S	Q	4,422	+5 M	9-67	F	1 M	0.1	S	11	9-67	870	C D W
9DCA-1	HYRUM RICHARDS	1928	108	2		S	Q	4,413	+8 M	9-68	F	5 M	1	S	11	9-68	620	
9DCD-1	ALVIN JENSEN	1928		2		S	Q	4,413	+4 R	2-42	F	1 M		S	11	9-68	680	
11ADA-1	ROSS D OLSEN	1954	220	2	P	S	Q	4,424	+31 M	10-68	F	65 D	2	H	12	10-68	540	D1
11ADD-1	JOE ZOLLINGER	1921	203	3		R	Q	4,427	+3 M	10-68	F	2 M	3	S	12	10-68	600	
11ADD-2	JOE ZOLLINGER	1939	227	2	U	R	Q	4,427	+37 M	10-68	F	55 M	3	S	12	10-68	600	D
11CAA-1	W N HODGES			4		R	Q	4,423	+13 M	10-68	F	17 M	1	I	12	10-68	560	
11DCD-2	RAY OLSEN	1960	153	3	P	G	Q	4,426	+14 M	11-67	F	28 M	2	S	12	8-67	550	D
11DDA-2	LELAND OLSEN	1916	150	2		R	Q	4,429	+39 M	11-67	F	82 M	2	H	13	8-67	570	
12AAA-1	EDWIN GOSSNER	1953	140	3	P	R	Q	4,433	+32 R	8-53	F	250 D	8	H				D
12ADD-2	EDWIN GOSSNER	1912	163			S	Q	4,432	+11 M	4-68	F	38 M	4	I	13	8-67	500	
12ADD-3	EDWIN GOSSNER	1937	147	3	U	S	Q	4,432	+35 R	6-37	F	180 D	5	S				D
12BBA-1	ROBERT THALMAN	1962	175	2	P	G	Q	4,428	+30 M	3-67	F	40 D	2	H				D1
12BCC-2	LORIN COBURN	1952	200	2	P	R	Q	4,427	+33 M	10-68	F	90 D	3	H	12	10-68	600	D
12CAA-1	J H OLSEN	1926	200	2		R	Q	4,428	+25 M	4-68	F	40 M	1		13	8-67	590	
12CBB-1	J H OLSEN	1928	225	2	U	R	Q	4,427	+19 M	10-68	F			S	12	10-68	510	
12CCB-2	ROLON OLSEN	1954	220	2		R	Q	4,426	+28 M	10-68	F	39 M	3	H	13	10-68	560	D
12CCD-1	ROLON OLSEN	1934	180	2		R	Q	4,429	+31 M	10-68	F			I	12	10-68	510	
12CDD-1	ROLON OLSEN	1920	100	2		R	Q	4,431	+7 M	1-68	F	4 M	0.7	I	12	1-68	510	
12DCD-2	REED THATCHER	1936	97	2	U	G	Q	4,432	+32 R	4-36	F	100 D	3	I	12	1-68	470	D
13AAD-1	GEORGE SPETH JR	1922	120	2		G	Q	4,432	F		F	26 M		U	13	8-67	500	
13ACD-1	C A JENSEN	1949	95	2	P	G	Q	4,435	+37 M	11-68	F	120 D	4	H	12	11-68	490	D
13BAD-1	NETTIE THATCHER	1934	117	4		R	Q	4,430	+35 M	1-68	F	136 M	4	I	13	8-67	520	
13BCB-1	M A TURNER	1930	130	2		G	Q	4,432	+38 M	9-67	F			H	12	9-67	520	W
13BDD-2	D K YOUNG	1957	104	2	P	G	Q	4,435	+36 M	11-68	F	118 D	4	H	11	11-68	500	D
13CDD-1	SPRING CR IR CO		112	3		G	Q	4,440	+35 M	1-68	F	22 M	0.6	I	11	1-68	490	J
13DAA-1	ALVIN JENSEN		115	3		G	Q	4,441	+31 M	1-68	F	18 M	0.6	I	11	1-68	480	
13DAC-1	ALVIN JENSEN		97	2		G	Q	4,444	F		F			I				
13DAC-2	CARL A JENSEN	1942	107	2	P	G	Q	4,440	+30 R	5-42	F	125 D	4	S				D
13DBB-1	ALVIN JENSEN	1934	113	3		G	Q	4,437	+35 M	1-68	F	143 M	4	I	13	8-67	550	J
13DBD-1	ALVIN JENSEN	1931	95	2		G	Q	4,442	+36 M	10-68	F			I	11	10-68	480	
14AAA-3	LDS YOUNG WARD	1951	203	2	P	G	Q	4,429	+43 M	9-67	F	75 D	2	H	13	9-67	530	C D W
14ADC-1	DAVID OLSEN	1914	149	2		R	Q	4,429	+33 M	1-68	F	120 M	4	I	13	8-67	520	
14ADC-2	DAVID OLSEN	1917	156	2		R	Q	4,429	+33 M	1-68	F	67 M	2	I	11	1-68	500	
14ADD-1	DAVID OLSEN	1914	140	2		R	Q	4,430	F		F	30 M		S	12	10-68	470	
14ADD-2	DAVID OLSEN	1914	165	2		R	Q	4,430	+37 M	10-68	F	19 M	0.5	I	12	10-68	490	
14BCD-1	TED LEWES	1939	250	2	U	G	Q	4,436	+34 M	5-68	F	60 M	3	S	12	5-68	510	D
14BCD-2	RAY JENSEN	1909	250	3		G	Q	4,434	+39 M	1-68	F	26 M		I	12	8-67	580	
14CAC-1	JENSEN BROS	1931	250	4		R	Q	4,430	F		F	50 M		I	12	8-67	570	
14CDC-1	CHARLES STUART	1917	220	3		G	Q	4,446	+5 M	5-68	F	45 M		I	11	8-67	590	J
14CDD-2	FRED P GLENN	1953	190	2	P	G	Q	4,441	+19 M	5-68	F	13 M	3	H	11	5-68	540	D
14DAA-1	LELAND OLSEN	1917	225	2		R	Q	4,430	F		F	33 M		S				
14DAD-1	LESTER OLSEN	1934	145	2		R	Q	4,432	F		F	45 M		I	13	8-67	530	
14DAD-2	LESTER OLSEN	1920	130	2		R	Q	4,436	F		F	15 M		S				
14DBA-2	N J OLSEN	1952	136	2	P	R	Q	4,434	+26 R	6-52	F	70 D	3	S				D
15ABC-1	H B ANDERSON	1890		2	P	S	Q	4,418	F		F	32 M		I	11	8-67	590	
15CBB-1	E B HARDMAN	1896	75	2		S	Q	4,418	+5 M	2-42	F	4 M	1	S				
15DBA-1	WILLIS ANDERSON	1933	160	2	P	R	Q	4,420	+20 M	11-67	F	10 M	0.6	S	11	8-67	570	C
16ACA-1	CLAUD SORENSEN	1937	82	2	U	S	Q	4,419	+7 M	2-68	F	3 M	1	S	10	2-68	570	D
16ADA-1	WM BARRETT	1921	80	2		S	Q	4,420	F		F	1 R		S	10	8-67	700	
16ADD-1	HENRY SORENSEN	1919	80	2		S	Q	4,419	+6 M	8-68	F	0.3 M		S	12	8-68		
16BDA-1	FLOYD HARDMAN			2		S	Q	4,422	+3 R	2-42	F	0.2 M	0.3	S				
16BDA-2	OLIVER TAYLOR	1910	80	2		S	Q	4,423	+4 M	11-67	F	0.4 M		S	11	8-67	640	

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	WELL CONSTRUCTION DIAMETER (IN)	WELL CONSTRUCTION FINISH	WATER BEARING FORMATION MATERIAL	WATER BEARING FORMATION AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	SPECIFIC CONDUCTANCE MICROMHOS	OTHER DATA AVAILABLE
(B-11- 1)																		
16DCA-1	W C BOWEN	1920	59	2		S	Q	4,426	+3 M	8-68	F	0.2 M		S	11	8-68	560	J
16DDA-1	ROLON LADLE	1919	80	2		S	Q	4,421	+6 M	8-67	F	0.6 M		S	10	8-67	640	
16DDB-1	FLOYD HARDMAN	1929	60	2		S	Q	4,423	+8 M	10-68	F	0.1 M		S	11	10-68	600	
21ABA-1	CHESTER KIDMAN	1918	100	2		R	Q	4,434	+8 M	10-68	F	0.2 M		S	11	10-68	690	
21ACA-1	WILLIAM LEATHAM	1918	135	2		R	Q	4,448	+3 R	6-41	F	0.5 R	1	U				
22CBD-1	LEGRAND HASLAM	1935	132	2	O	G	Q	4,436	+10 M	9-67	F	13 M	0.3	U	9	8-67	590	DI J W
22CDB-1	HENRY MURRAY	1962	75	2	P	S	Q	4,440	+7 M	9-68	F	0.3 M		S	10	5-68	570	D
22DBB-1	LADELL HASLAM	1917	174	2	P	R	Q	4,425	F		F	50 E		I	11	5-68	550	
22DDA-1	GEROLD BANKHEAD	1926	157	2		R	Q	4,428	+11 M	5-68	F	60 M	6	I	11	5-68	570	C
22DDA-2	GEROLD BANKHEAD		60	2		R	Q	4,428	+1 M	9-68	F			U				J
22DDC-1	LADELL HASLAM	1911	90	2		R	Q	4,435	F		F	1 M		S	11	5-68	650	
23BAD-1	EVELYN LEWIS	1958	252	3	P	G	Q	4,443	+24 M	8-68	F	140 M	7	I	11	8-68	580	
23BAD-2	EVELYN LEWIS	1954	181	3	P	G	Q	4,443	F		F	150 E		I	11	8-68	580	D J
23BAD-3	EVELYN LEWIS	1941	188	3	P	G	Q	4,443	F		F	30 E		I	11	8-68	580	DI
23BAD-4	EVELYN LEWIS		184	3		G	Q	4,443	F		F	5 E		I	11	8-68	560	
23DCB-1	ELDON ANDERSON	1918	166	2		R	Q	4,441	F		F	22 M		S	11	8-67	620	
24AAD-1	CYRUS ANDERSON	1934	106	2		G	Q	4,455	F		F			I	11	11-68	460	
24AAD-2	CYRUS ANDERSON	1896	105	2		G	Q	4,458	+19 M	11-68	F	39 M	2	H	11	8-67	480	
24ACD-1	HYRUM ANDERSON	1915	120	2		R	Q	4,456	+21 R	3-42	F	36 M	1	S	11	8-67	490	
24ADD-1	MELVIN SORENSEN	1932	120	2		G	Q	4,471	+11 M	11-68	F			S	10	11-68	470	
24CAC-1	ELGO ANDERSON	1915	60	2		G	Q	4,460	F		F			H	11	10-68	510	
24CCC-1	LESTER BAILEY			3		G	Q	4,457	+17 M	12-67	F	12 M	0.8	S	12	8-67	590	
25ADC-1	REID PARKINSON	1961	143	2	P	G	Q	4,488	3 R	7-61	J	9 M	17	H	13	10-68	520	DI
25BAB-1	RAY LEISHMAN	1937	171	2	O	G	Q	4,478	5 M	10-68	P	5 D	8	S				D
26ABD-1	HEBER BANKHEAD	1921	55	2		R	Q	4,441	F		F	0.8 M		S	11	10-68	860	
26BCA-1	RAYMOND DARLEY			2		R	Q	4,452	+4 M	5-68	F	1 M	0.3	S	11	5-68	590	
26BCA-2	RAYMOND DARLEY			2		R	Q	4,452	F		F	0.1 E		U	11	5-68		
26CBD-1	RAYMOND DARLEY		141	2		R	Q	4,470	+9 M	5-68	F	0.1 M		S	11	5-68	510	J
27BBB-1			29	30	W		Q	4,485	27 M	5-68	N			U				
35ACC-3	GROVER HASLAM	1957	84	4	P	G	Q	4,472	+11 R	5-57	F	32 M	6	S	11	8-67	620	C DI
35BCB-1	GRANT PARKINSON	1946	40	4	P	G	Q	4,498	33 R	4-46	J	7 M	10	H	11	10-68	550	D
35CAA-2	JAMES LEISHMAN	1923	120			G	Q	4,472	+16 M	8-67	F	68 M	5	S	13	8-67	600	C W
35CCA-1	JOHN BRENCHLEY	1923	65	2		G	Q	4,475	+10 M	5-66	F	4 R	0.4	S				
35DBD-1	MORRIS ANDERSEN	1920	90	2	O	G	Q	4,500	+1 M	11-35	F	6 M		S	12	10-68	630	W
36DAD-1	LADELL ANDERSON		4	36	H	Q	Q	4,525	2 E	6-68	N	40 M		I	11	3-68	725L	C
(B-12- 1)																		
1CCC-1	M J BALLARD	1920	475	2		S	Q	4,435	+2 M	11-68	F			U	13	11-68	590	
1CCC-2	M J BALLARD	1956	590	2	P	R		4,435	+26 M	11-68	F	60 D		H	17	11-68	1500	D
2ADD-1	RICKS	1961	587	2	P	R		4,437	+41 M	11-68	F	40 D	1	H	17	11-68	1400	D
2BCD-1	H C CRONQUIST	1962	764	2	S	S		4,420	+48 R	10-62	F	24 M	0.6	H	21	8-67	1500	C D
3CCC-1	J L WATTERSON			2		S	Q	4,412	+16 M	8-67	F	10 M	0.7	H	17	8-67	830	W
7DDD-1	RAY PARTINGTON	1931	185	3			Q	4,465	20 M	8-67	P			U				
8CDB-2	EDWARD EDWARDS	1889	210			S	Q	4,431	+7 M	9-67	F	1 M	0.2	S	13	9-67	750	W
8DCC-1	J C MAUGHAN	1898	225	2		R	Q	4,430	+6 M	12-67	F	0.5 M		S	13	12-67	730	C
8DCC-2	J C MAUGHAN	1905	410	2		R	Q	4,430	+1 R		F	1 M	1	S	11	5-68	790	C
9DDD-1	BENSON REC AREA	1969	576	2	O	R		4,409	+23 M	1-69	F	40 D		P	18	1-69	920	J
10DCD-2	J L NUTTALL	1954	533	2	P	S		4,419	+22 M	3-67	F	16 M	0.8	H	21	8-67	780	D
11AAB-1	LEWIS NEELEY	1909	300	2		S	Q	4,418	+17 M	10-68	F	4 R		H	13	10-68	520	
11BBA-1	O J FALSLEV	1935	495	2	X	S	Q	4,410	+3 M	8-49	F	1 D		S	14	7-48	585L	C D
11BBA-2	O J FALSLEV	1962	437	2	S	S	Q	4,410	+26 M	5-68	F	11 M	1	S	19	5-68	1500	D
11BBC-2	W D JOHNSON	1954	480	2	S	S	Q	4,421	+26 M	3-67	F	35 D	1	S				D
11BBC-3	W D JOHNSON	1966	645	2	S	S		4,421	+30 M	3-67	F	50 D	2	S				DI
11BCB-1	N JOHNSON	1962	616	2	S	S		4,418	+28 M	8-67	F	20 D	0.8	H	19	8-67	1100	D
11CCC-3	WM IZATT JR	1905	400	2		S		4,426	F		F	15 M		S	18	8-67	610	
11DAD-1	RUSSEL LEWIS			2		S	Q	4,422	+20 M	11-68	F			H	14	11-68	650	
11DDA-1	F B SNOW	1962	545	2	P	G	Q	4,424	+57 M	2-69	F	66 M	1	H	17	2-69	1500	D
12BAC-1	O J FALSLEV	1961	584	2	P	R	Q	4,432	+50 R	9-61	F	60 D	1	H				D
12BDC-5	LDS BENSON WARD	1955	569	3	P	G		4,428	+53 M	8-67	F	120 D	2	I	18	8-67	1400	C DI
12CBD-1	CECIL ARCHIBALD	1966	540	2	S	G		4,425	+62 M	12-67	F			H	13	12-67	1500	D
14AAA-1	HERT RIGGS	1929	304	2		S	Q	4,425	F		F	7 M		S	16	8-67	510	
14ABA-1	DEVAR BALLS	1901	315	2		S	Q	4,423	+13 M	8-49	F	20 R		S	16	5-68	470	C D W
14ACC-1	J G RICKS	1913		2		S	Q	4,422	+16 M	3-69	F	5 M	0.3	U	13	8-67	480	
15ADC-1	ALEX RICKS	1941	418	2		S	Q	4,416	F		F	2 M		S	18	8-67	820	D
23DBD-1	F A BENSON	1905	93	2		R	Q	4,412	+7 M	8-67	F	6 M	1	S	12	8-67	470	
24DAA-1	J L WATERSON	1961	320	6	P	R	Q	4,427	+41 M	12-68	F	98 M		I	13	8-67	420	DI J
24DAB-1	JOSEPH HEBAUS	1919		2		R	Q	4,426	F		F	13 M		H	11	8-67	480	
24DAD-1	J L WATTERSON	1961	317	6	P	R	Q	4,427	F		F	119 M		I		7-68	410	D J
25BBB-1	M E KENT	1928	150	2		R	Q	4,417	+9 M	8-67	F	3 M	0.5	S	12	8-67	440	
25BCD-1	O B WORLEY	1932	200	2		R	Q	4,419	+6 M	8-67	F	1 M	0.2	S	11	8-67	450	
25CDC-1	LEVI CLAWSON	1947	186	2	P	S	Q	4,424	+30 M	11-68	F	68 D	3	S	12	11-68	410	D
26DAC-1	W R STEWART	1944	200	2	O	S	Q	4,418	+36 M	11-68	F	91 M	4	S	13	11-68	440	D J
27DCA-1	M SCHVANEVELDT	1944	248	2	O	S	Q	4,410	+12 M	8-67	F	2 M	0.9	U	13	8-67	610	C DI
30CDC-1	ROLON LADLE		20	48			Q	4,730	11 M	5-68				U				
32ABC-1	MILTON JOHNSON		460	3		P	T	4,508	+4 M	10-68	F	0.1 M		U		8-67	830	C J
34BAA-1	UTAH POWER CO			3		S	Q	4,410	F		F	3 M		S		10-68	740	
35ACD-1	LOUIS BODRERO			2		S	Q	4,419	F		F	3 M		S	11	10-68	470	

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	DIAMETER (IN)	FINISH	WATER BEARING FORMATION MATERIAL	AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	MICROMHOS	OTHER DATA AVAILABLE
(B-12- 1)																		
35ADD-2	LOUIS BODRERO			2		S	Q	4,421	+12 M	10-68	F	19 M	2	S	11	10-68	490	
35DAA-1	LEE SMITH	1918	175	2		R	Q	4,420	+15 M	10-68	F	17 M	1	S	11	10-68	510	
36BBA-1	A M NIELSEN	1927	78	2	P	R	Q	4,423	+13 M	11-68	F	1 M	0.1	S	11	11-68	440	
36BBB-1	STATE OF UTAH					R	Q	4,422	+13 M	8-67	F	13 M	1	U	12	8-67	470	C W
36CBC-1	LEE SMITH	1918	175	2		R	Q	4,420	+11 M	10-68	F	13 M	1	S	11	10-68	520	
36CCC-1	LEE SMITH			2		R	Q	4,417			N			S	11	10-68	480	
(B-13- 1)																		
3AAA-1	U S BUR REC	1955	6	3	U	7S	Q	4,456	4 M	9-68	N			U				D
7ABD-1	J B BARKER						Q	4,650				30 E		I	14	9-68	880	
7DBD-1	J B BARKER	1934	350	3			T	4,615	+4 M	9-68	F	0.01 M		S	12	9-68	820	J
7DBD-2	J B BARKER	1904	250	2			T	4,615	1 M	9-68	N			S				
10ACB-1	N BROWN	1957	5,208	4			Y	4,423	+45 M	10-68	F	15 M	0.4	I	49	4-68	5000	C J
10BAA-1	LYNN ERICKSON		180	3		G	Q	4,444	1 M	9-67	N			U				J
10BAB-1	LYNN ERICKSON	1967	127	12	U	G	Q	4,452	1 M	9-67	N			U				D1 J
10BAB-2	LYNN ERICKSON	1967	51	4		G	Q	4,451	F	9-67	F			U	13	9-67	2900	
10BBA-1	LYNN ERICKSON	1964	258	12	P	G	Q	4,485	5 M	9-67		100 M	2 M	I	18	10-67	850	D1 J W
14BCC-1	LYNN ERICKSON	1959	455	4		S	Q	4,412	F		F			U				D1
14CCC-1	LYNN ERICKSON	1963	135	4	X	S	Q	4,411	+3 R	2-63	F	1 D	0.3	U	12	4-68	5300	D J
14DCC-1			41	4		S	Q	4,409	+1 M	9-67	F			U				
15CDD-1	W WOODRUFF	1957	132	2	U	R	Q	4,422	+7 R	4-57	F	15 D	2	S	13	10-68	1600	D1
17DAD-1	D G LARSEN	1953	215	4	P	S	Q	4,615	105 M	3-68	C	5 D	0.4	S	16	9-67	880	D1
17DAD-2	D G LARSEN	1962	138	5	P	S	Q	4,620	94 R	11-62	S	3 D	0.06	S	13			D
18DDD-1	WESLEY GOODSELL		16	6	X		Q	4,517	6 M	5-68	N			U				W
19BDD-1	U S BUR REC	1955	19	3	U	8P	Q	4,461	16 M	9-68	N			U				D
25BAB-1	WM W TOOMBS	1925	1,473	10		R	T	4,419	F		F	300 M		I		4-68	1200	C D1
26BAA-1			175	8		S	Q	4,412	F		F			U				J
27BCC-1	M D ANDERSON	1955	50	2	P	S	Q	4,418	+3 M	3-68	F	4 M	3	S	12	8-67	1200	D
27BCC-2	J M ANDERSON	1967	147	2	U	R	Q	4,418	+3 M	10-68	F	5 M	2	S	13	10-68	1400	D
27CDD-1	N B SEAMONS	1961	930	2	P	S		4,413	+52 M	8-67	F	43 M	0.8	H	23	8-67	1200	D1
28AAA-1	N K ANDERSON	1945	223	2	P	R	Q	4,442	+3 M	8-67	F	2 D	0.5	S	15	8-67	1000	C D J
28ACB-1	T J SMITH	1940	210	2	P	R	Q	4,449	+13 M	9-67	F	0.4 M		S	13	9-67	920	C D1 W
28DAB-1	J W ROUNDY	1921	400	2		R	Q	4,427	+2 M	3-67	F	8 M	4	S	17	8-67	1200	
30ACC-1	E R BALLARD	1907	90	2	U	G	Q	4,407	+18 M	9-67	F	1 M	0.1	U	12	8-67	620	C W
30CAA-1	U P RAILROAD	1957	327	10	P	R	Q	4,445	F		T	230 R	2	P				D1
30CAC-1	U P RAILROAD		28	4		R	Q	4,447	6 R		T			P		6-68	730	C
30CBA-1	UTAH ROAD COMM	1963	112	6	P	R	Q	4,475	25 R	2-63	J			H				D
31ACC-3	R D RASMUSSEN	1939	90	2		S	Q	4,446	+9 M	10-68	F	9 D	4	H	11	10-68	690	D
34CDD-1	E CACHE STAKE	1950	460	2		S	Q	4,417	+8 R	7-50	F	3 D	0.4	U	18			D
34CDD-2	E CACHE STAKE	1956	692	2	P	R		4,417	+43 M	10-68	F	120 D	2	H	12	10-68	1200	D
35CCD-1	RULON FALSLEV	1930		3		S	Q	4,422	+2 R	7-39	F	0.6 R	0.4	U				
35CCD-2	RULON FALSLEV	1955	600	2	P	R		4,422	+49 M	10-68	F	45 D	0.7	H	13	10-68	1500	D
35DAA-3	VERNAL MONK	1954	640	2	P	R		4,436	+44 M	10-68	F	70 D	1	I	15	10-68	1300	D
36CCA-1	PAUL THAIN	1964	723	2	U	R		4,441	+46 M	10-68	F	70 D	2	H	17	10-68	1500	D
36CCD-1	GEORGE THAIN	1963	633	2	U	R		4,436	+49 M	10-68	F	50 D	1	H	17	10-68	1300	D
36CDB-1	MARVIN THAIN	1954	684	2	P	R		4,441	+21 M	10-68	F	20 D	0.5	H	16	10-68	1300	D
(B-13- 2)																		
2AAD-1	U S BUR REC	1954	9	3	U	P	Q	4,787	2 M	9-68	N			U				D
2BAC-1	W M GODFREY	1958	115	6		R	Q	4,803	F		T	140 R		I	11	9-68	600	
(B-14- 1)																		
2DDD-1	WESTOVER BROS		8	36		7S	Q	4,494	4 M	11-67	T			I	16	9-67	1700	W
3CDD-1	B O HANSON		271	2		R		4,478	+2 M	11-68	F			U	16	10-68	1500	
5ADD-1	RAY E BINGHAM	1923	20	48	U	R	Q	4,529	12 M	6-68	C			H	11	6-68	2000	
5DDD-1	SUINE TRUSETH		26	48	W	R	Q	4,525	15 M	6-68	C			H		6-68	1100	C
9BAB-1	U S BUR REC	1955	9	3	U	P	Q	4,487	2 M	9-68	N			U				D
9BCB-1	EUREKA OIL CO	1952	729					4,495			N			U				
15ABB-1	U S BUR REC	1955	7	3	U	7S	Q	4,476	5 M	9-68	N			U				D
16DAA-1	U S BUR REC	1955	8	3	U	P	Q	4,466	4 M	9-68	N			U				D
17ADD-1	TOWN OF CORNISH	1965	90	8		R	Q	4,555	9 M	9-67				P		10-66	1460L	C J
19CCC-1	C J ANDERSON	1931	40	36	C	S	Q	4,825	11 M	9-68	J			S				
29BBC-1	B J RAVSTEN	1900	24	30	W		Q	4,798	10 M	9-68	N			S				
31AAA-1	U S BUR REC	1955	23	3	U	8P	Q	4,793	11 M	9-68	N			U				D
35AAD-1	W B SPARKS		22	2	T	S	Q	4,451	5 E		P			U				
(B-14- 2)																		
10DDD-1		1918		48	C		Q	5,024	12 M	10-68	P			S				
11BAA-1	EMMA PEARSON	1920	20	48		8P	Q	5,005	10 R	20		10 R		S				D
13DCD-1			12	1	T		Q	4,882	5 M	9-68	P			S				
26BDB-2	RUSSEL DAHLE	1927	26	6		R	Q	4,835	8 M	10-68	C			I				
26CBA-1	HAROLD CLARK	1958	200	4	P	G	Q	4,830	11 M	10-68	S	14 M	8 M	I	11	10-68	680	C D1
26CBD-1	D F HENDERSON	1963	400	4	S	G	Q	4,832	10 M	10-68	N			U				D1
26CDB-1	LEWIS DAHLE	1958	35	4	P	G	Q	4,822	9 M	10-68	N	25 R		I				
27DAC-1	EILEEN BUTTARS	1958	94	4	P	R	Q	4,923	21 M	10-68	S			I	9	10-68	880	
27DDD-1	S JARDINE	1964	70	4		R		4,890	15 M	10-67	J	10 M		I		9-67	870	W
27DDD-2	F B GODFREY	1964	40	4		R	Q	4,890	15 M	11-67	S	13 M		I		6-68	1040L	C

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	WELL CONSTRUCTION DIAMETER (IN)	WELL CONSTRUCTION FINISH	WATER BEARING FORMATION MATERIAL	WATER BEARING FORMATION AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	SPECIFIC CONDUCTANCE MICROMHOS	OTHER DATA AVAILABLE
(8-14- 2)																		
34AAC-1	B W GODFREY	1962	80	4	U	G	Q	4,925	16 M	10-68	J	12 M		I	11	10-68	600	D
34AAC-2	A G GRIFFITHS	1964	81	4		G	Q	4,903	3 M	10-68	C	10 D		I				D1
35BCA-1	U S BUREAU REC	1954	8	3	P	Q	Q	4,790	1 M	4-69	N			U				D
36CAD-1	U S BUR REC	1955	6	3	U	P	Q	4,778	4 M	9-68	N			U				D
(8-15- 1)																		
34CCC-1	TOWN OF CORNISH	1961	410	12	P	R	Q	4,510	8 M	11-67	N	125 D	2	U				D1 J W
34CCC-2	TOWN OF CORNISH		32	12		R	Q	4,513	8 M	9-67	N			U				
36CBB-1	CLAINE BAIRD	1960	7	30	H	7S	Q	4,510	4 M	10-68	F			I	13	10-68	530	
36CCC-1	CLAINE BAIRD	1963	6	36		7S	Q	4,502	1 M	10-68	C			U				
36DDD-1	V A MARLER	1963	9	48	H	7S	Q	4,509	5 M	10-68	C	80 E		U	12	10-68	1590L	C
	BANNOCK COUNTY, IDAHO																	
13S 38E 03DDA1	SWAN LAKE IDAHO	1953	105	8	P	G	Q	4,857			T	35 D		P				C D
13S 38E 03DDC1	WAYNE MILLARD	1961	382	16	P	G	Q	4,835	27 M	7-67	N			U				D1 J
13S 38E 04AAB1	GENE SORENSEN	1962	100	8	P	R	Q	4,795	30 M	7-67	N	90 D	1	H				J
13S 38E 08ABB1	KAY GIBBS	1950	130	12	P	R	Q	4,917	46 M	7-67	T			I	14	7-68	400	
13S 38E 10CCC1	ROBERT HADLEY	1965	310	16	P	R	Q	4,795	+13 R	8-61	F	3 M		I	16	7-68	500	D1 J
13S 38E 16AAA1	ALBERT NORDICK	1862	9	48	W	R	Q	4,795	6 M	7-67	N			U				
13S 38E 17DD 1	DOUG FISHER	1961	232	14	P	R	Q	5,040	54 R		T	450 D	6	I	15	7-68	390	C D1
13S 38E 18DAD1	GENE SORENSEN	1961	400	20	P	R	Q	5,240			T	2,500 D	16	I	11	7-68	280	
13S 38E 23AAA1	JAMES ABBOTT		13	48	W	R	Q	4,790	1 M	7-67	C			H	12	7-68	910	
13S 38E 25BBC1	A P ALLEN			4		R	Q	4,747	F		F	7 M		H	13	8-68	770	
13S 38E 26AAD1	A P ALLEN			2		R	Q	4,750	+6 M	7-67	F			S	13	7-68	780	
	FRANKLIN COUNTY, IDAHO																	
13S 38E 22DDD1	B BOSWORTH			8		R	Q	4,862	28 M	7-67	P			H	12	7-68	730	
13S 38E 28DDC1	FRANK BEAL	1961	218	14	P	R	Q	4,775	F		T			I				D1
13S 38E 33BDD1	LAVERN KENDALL	1961	265	12	P	R	Q	4,783	17 M	3-67	T	30 D		I				D
13S 39E 24DCA1	TREASURETON CEM	1952	55	8		R	Q	5,050	10 M	3-68	T			I				
13S 39E 25DDA1	STRONGARM RES	1961	234	16	P	R	Q	4,985	3 M	7-67	T			I				D1
13S 40E 19DDA1	STRONGARM RES	1961	104	18	P	R	Q	5,090	19 M	7-67	T			I				D1
13S 40E 30ACB1	MACK HYMAS	1963	290			R	Q	5,060	18 M	4-67	T	460 M		I	10	8-67	620	C W
14S 38E 04BCB1	HYRUM WARD	1962	285	14	P	G	Q	4,802	0 M	7-67	F	550 D		I				D
14S 38E 12BAA1	QUENT CASPERSON		6		W		Q	4,754	3 M	7-67				H	15	7-68	800	
14S 38E 14BDA1	EMIL TASSO	1934	100	8	P	R	Q	4,745	3 M	4-67	C			I	13	7-68	690	
14S 38E 15CDC1	LAVON PORTER	1937	200	12	P	R	Q	4,795	27 M	4-67	T	590 M		I	13	7-68	450	W
14S 38E 15DBC1	LAVON PORTER		200	16		R	Q	4,761	7 M	7-67	T			I				
14S 38E 15DCC1	PAS MARTINEZ	1934	190	8		R	Q	4,778	15 M	7-67	J			H	13	7-68	420	
14S 38E 15DCC2	PAS MARTINEZ	1963	217	10	P	R	Q	4,778	12 R	5-63	T	500 D	40	I				D1
14S 38E 16BBA1	DALE RALPHS	1961	190	16	P	R	Q	4,835	F		T	600 D	5	I	14	7-68	320	D
14S 38E 16BBD1	A C WARDELL	1963	160	12		R	Q	4,835	F		F	200 E		I	14	7-68	320	D J
14S 38E 16BDD1	WILLARD GAILEY	1961	300	16	P	R	Q	4,840	35 M	4-67	T	1,000 D		I				D1
14S 38E 22ABA1	LEW MCDERMOTT	1967	200	12	P	R	Q	4,765	F	3-68	T	800 D	20	I	11	3-68	500	C D1 J
14S 38E 22ABD1	LEW MCDERMOTT	1964	200	12	P	R	Q	4,782	18 M	7-67	N	1,200 D	11	U				D
14S 38E 22BDB1	DENNIS RALPHS	1959	180	16	P	R	Q	4,797	45 M	7-67	T	1,740 D	26	I	12	7-68	500	D
14S 38E 22BDC1	CLIFTON VILLAGE	1955	202	12	P	R	Q	4,831	71 M	4-67	T	180 D		P	12	7-67		D
14S 38E 22BDD1	LEONARD POVEY	1961	220	16	P	R	Q	4,813	53 M	4-67	T	900 D	18	I	12	7-68	600	D
14S 38E 22CCB1	C A MORTENSEN	1961	350	12	P	R	Q	4,893	116 M	7-67	T	460 M		I	13	7-68	470	C D1
14S 38E 23CCC1	WILLIAM POWELL					R	Q	4,775	32 M	4-67	T	270 M		I	13	7-68	590	
14S 38E 26ADC1	JACK CHOULES	1960	520	14	P	R	Q	4,750	8 R	11-60	T	1,200 D	40	I	13	7-68	590	C D1
14S 38E 27ADB1	TED RICE	1960	190	12	P	R	Q	4,775	17 R	9-60	T			I				D
14S 38E 34AAD1	KENT HOWELL	1951	60	36	W	R	Q	4,775	12 M	7-67	C			U				
14S 38E 35BCC1	CLYDE CALL	1961	200	16	P	R	Q	4,760	13 M	4-67	T	460 M		I				
14S 38E 35BCC2	CLYDE CALL	1961	470	16	P	R	Q	4,760	14 R	5-61	N			U				D1
14S 39E 01BDD1	EDWARD PASKINS	1957	118	6	P	R	Q	5,025	47 M	7-67	S			H	15	7-68	680	
14S 39E 06DAC1	NYEL TAYLOR		37	10			Q	4,792	5 M	7-67	N			U				
14S 39E 07BBA1	E GREGORSON	1954	277	12		6R	Q	4,760	+2 M	3-67	F	380 D	4	S	12	3-68	890	D1
14S 39E 07BBA2	E GREGORSON		22			G	Q	4,760	5 R					H				
14S 39E 07BBD1	E GREGORSON	1955	631	12	P	6R	Q	4,760	1 M	3-67	T	900 D		I	13	7-68	750	D
14S 39E 08ADA1	M HOLLINGSWORTH	1961	206	12	P	R	Q	4,850	104 M	7-67	T	1,100 D		I	13	7-68	900	C D1 W
14S 39E 09BAD1	DAVE JOHNSON	1961	210	20	P	6R	Q	4,885	95 R	9-61	T	1,225 D	49	I	12	8-67	1500	D1
14S 39E 09BDA1	DAVID JOHNSON	1948	70	6	P		Q	4,812	42 M	3-68	J			H	12	7-68	1700	
14S 39E 17AAA1	CLUFF GIBSON	1955	44	6			Q	4,785	15 M	7-67	J			H	10	7-68	2200	
14S 39E 20CDB1	RICHARD BALLIF	1938	190	12	P	R	Q	4,750	61 M	7-67	T	270 D	2	U				D1
14S 39E 25ADD1	BYRON TANNER	1943	125	6	X	R	Q	4,750			J			H	16	7-68	910	C
14S 39E 28CAB1	ALLEN SMITH		35	4			Q	4,760	1 M	7-67	C			H	13	7-68	2900	
14S 39E 29BDC1	CHARLES NIELSEN	1957	24	48	W		Q	4,730	22 M	7-67	C			H		7-68	1400	
14S 39E 32AAA1	HEBER SWAINSTON		18	36	W		Q	4,750	7 M	7-67	J			H	11	7-68	1000	
14S 39E 35DAD1	JOHN VATERLAUS	1942	16	6		R	Q	4,520	8 M	7-67	C			H	14	7-68	900	
14S 39E 36AAD1	ARIEL MEEK	1940	16	48	W	R	Q	4,530	2 M	7-67	J			H	17	7-68	990	
14S 39E 36ACB1	ROBT HENDERSON		32	8		R	Q	4,520	4 M	7-67	N			U				
14S 39E 36CDC1	MARV PACKER	1937	19	36	W	R	Q	4,534	3 M	7-67	P			H	13	7-68	1100	
14S 40E 11DDD1	G RASMUSSEN		24	24	W	R	Q	4,900	14 M	7-67	J			H	13	7-68	640	
14S 40E 18CCB1	MRS ROBT WELLS	1943	35	48			Q	5,090	15 M	7-67	C			H	17	7-68	700	
14S 40E 20DBD1	GENE SMITH	1964	76	6			Q	4,655	61 M	7-67	N			U				
14S 40E 21AAC1	CURTIS ROSEN		60	8		R	Q	4,645	22 M	7-67	J			H		7-68	490	
14S 40E 30ABB1	MOSS LEWIS	1962	165	6	P	6R	Q	4,729	53 M	7-67	S	20 D		H	16	7-68	1000	D1
15S 37E 36AAA1	L BINGHAM	1960	160	14	P	G	Q	5,075	74 M	4-67	T	2,250 D	350	I				D
15S 38E 01CBB1	THAYE WINWARD		20	36	W	R	Q	4,745	10 M	7-67	J			H	12	7-68	680	

TABLE 1.-- RECORDS OF SELECTED WELLS -- CONTINUED

LOCATION	OWNER	YEAR DRILLED	WELL CONSTRUCTION DEPTH (FT)	DIAMETER (IN)	FINISH	WATER BEARING FORMATION MATERIAL	AGE	ALTITUDE (FT)	WATER LEVEL (FT)	DATE MEASURED	TYPE OF LIFT	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT)	USE OF WATER	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE DATE MEASURED	SPECIFIC CONDUCTANCE MICROMHOS	OTHER DATA AVAILABLE
15S 38E 02CCC1	BRUCE NAYLOR		110	3		R	Q	4,830	71 M	7-67	N			U				
15S 38E 11BBB1	JIM NAYLOR		204	16		R	Q	4,818	52 M	7-67	N			U				D J
15S 38E 11BBC1	E O BERGESON	1961	245	12	P	6R	Q	4,784	15 M	7-67	T	450 M		I	17	7-68	760	C D1
15S 38E 12DBA1	JOHN JACKSON	1957	68	6		R	Q	4,735	36 M	7-67	J			H	14	7-68	590	
15S 38E 13BDC1	JUNIOR JEO	1955	80	24	W	R	Q	4,733	31 M	7-67	J			H	16	7-68	800	
15S 38E 22DDC1	G HOUSLEY	1966	170	10		R	Q	4,792	19 M	11-67	S	165 D	2	I	19	7-68	460	D W
15S 38E 23AAA1	ERNEST BUETLER	1962	475	16	P	6R	Q	4,750	66 M	4-67	T	1,000 D	8	I	16	7-68	610	D1
15S 38E 23BBD1	DAYTON CEMETERY	1961	66	6	P	R	Q	4,780	27 R	12-61	T	50 M		I	12	7-68	760	D
15S 38E 24DAD1	VELDON MARTIN	1947	33	36	W	R	Q	4,710	25 M	7-67	C			H				
15S 38E 25DAA1	PERTH POULSON	1962	27	4		R	Q	4,715	20 M	7-67	N			U				
15S 38E 26DDC1	T SCHVANEVELDT	1954	16		W	R	Q	4,735	6 M	7-67	C			H	12	7-68	1000	
15S 38E 31BBC1	JOHN KING	1961	155	16	P	G	Q	5,060	54 M	3-68	T	1,800 D	67	I	12	7-68	540	D1
15S 38E 35BBC1	SCHWARTZ-ROBINS	1934	80	10	P	R	Q	4,760	2 M	7-67	C	450 D	30	I				
15S 38E 35BBC2	SCHWARTZ-ROBINS		86	2		R	Q	4,760	3 M	3-68	N			U				
15S 38E 36BAB1	NIELSON + SONS	1966	4,470	10	X		Y	4,725	132 M	4-68				U				D1 J
15S 38E 36CDA1	WARD NIELSEN		20	30	W	R	Q	4,723	13 M	7-67	S			H	13	7-68	640	
15S 39E 04CCA1	IVAN JORGENSEN			36	W	R	Q	4,495	8 M	7-67	C			H	13	7-68	1300	
15S 39E 09DDD1	WILLIAM HAWKES	1942	14	36		7S	Q	4,715	7 M	7-67	J			H	12	7-68	1700	
15S 39E 11CCC1	MARK LARSEN	1936	25	36	P	7S	Q	4,765	10 M	7-67	P			H	12	7-68	1100	
15S 39E 15BDA1	GEORGE EAMES	1887	50	36	W	7S	Q	4,730	5 M	7-67	P			H	12	7-68	890	
15S 39E 16AAD1	U S BUREAU REC	1965	10	4	X	7S	Q	4,715	6 M	3-69	N			U				
15S 39E 16DAD1	A W FISHER		14	36	W	7S	Q	4,715	5 M	7-67	J			H	11	7-68	790	
15S 39E 18BCC1	MARTIN BLAU	1948	85	6		R	Q	4,710	69 M	7-67	J			H	14	7-68	620	
15S 39E 18BDA1	ELDON BINGHAM		18	360	X	R	Q	4,640	11 M	9-68	N	160 R		U				
15S 39E 20CDC1	FRANK MITCHELL		9	48	W	R	Q	4,477	4 M	7-67	J			H	17	7-68	1000	
15S 39E 22DBD1	U S BUREAU REC	1965	10	4	X	7S	Q	4,715	5 M	3-69	N			U				
15S 39E 23BBB1	TAYLOR	1953	11	42		7S	Q	4,727	1 M	3-68	P			I	15	7-68	800	C W
15S 39E 26BDD1	U S BUREAU REC	1964	10	3	P	7S	Q	4,710	8 M	3-69	N			U				
15S 39E 30DCA1	ART STEVENSON	1962	60	4	P	R	Q	4,710			J			H	14	7-68	950	
15S 39E 31ABD1	D CLAIRE	1929	25	48	W	R	Q	4,714	13 M	7-67	C			H	13	7-68	560	C
15S 39E 34BBD1	U S BUREAU REC	1964	10	3	P	7S	Q	4,640	8 M	3-69	N			U				
15S 39E 34CBD1	VAN E NELSON	1940	11	36	W	7S	Q	4,655	7 M	7-67	P			S	12	7-68	620	W
15S 39E 35DDD1	HESY BECKSTEAD	1927	14		W	7S	Q	4,590			C			H	13	7-68	800	
15S 39E 36BCC1	U S BUREAU REC	1964	10	3	P	7S	Q	4,700	6 M	3-69	N			U				
15S 40E 19CDD1	MERLIN J LARSEN	1953	22		W	7S	Q	4,749	8 M	7-67	C			H				
15S 40E 29CCD1	WHITNY WTR WORKS	1939	175	6	P	R	Q	4,770	F		T			P	9	4-69	480	
15S 40E 31DDD1	W G REESE JR	1968	217	8	P	C	T	4,685			T	20 R		I				D1 J
15S 40E 32BBA1	WHITNY WTR WORKS	1960	160	10	P	R	Q	4,770	F		T	1,280 R		P	12	7-68	600	C
15S 40E 32BCD1	M G LARSEN	1964	63	4	X	G	Q	4,770	16 R	11-64	N	25 D	2	H	11			D
15S 40E 35BAD1	H WALTER KNAPP	1954	80	12	P	R	Q	4,650	2 M	7-67	C			U				
16S 37E 13BCA1	K FREDERICKSON	1966	101	12	P	G	Q	5,250			J	12 D		H	12	7-68	730	D1
16S 38E 01CDA1	EUGENE TOMASI	1890	20	30	W	R	Q	4,762	9 M	7-67	C			H	13	7-68	1400	
16S 38E 06AAD1	RICHARD LEMMON	1961	109	10	P	R	Q	5,005	31 M	7-67	T	200 D	29	I	13	7-68	1100	C D1
16S 38E 08BAA1	FONNESBECK			16		G	Q	4,935	F		T	810 M		I				
16S 38E 08BAB1	HERB WILLIAMS	1961	157	10	P	G	Q	4,940	3 M	3-68	T	450 D	18	I	12	7-68	700	D1
16S 38E 08CCD1	JOSEPH PHILLIPS	1930	20	36	W		Q	4,945			J			H	11	7-68	2100	
16S 38E 09DDD1				36			Q	4,860	16 M	10-68	J			H				
16S 38E 11CAB1	GENE AUSTIN		14	30	W	R	Q	4,757	9 M	7-67	C			H	13	7-68	1000	
16S 38E 14BBC1	A J JENSEN	1950	47	6	P	R	Q	4,795	20 M	7-67	J			H	13	7-68	610	
16S 38E 15ABA1	AUGUST-JENSEN 1	1957	5,233	6			Y	4,890	199 M	9-68	N			U				J
16S 38E 21BDB1			6	42	O		Q	4,843	4 M	10-68	N			U				
16S 38E 24ABC1	J M FONNESBECK	1969	515	14	P	R	Q	4,583	47 M	5-69	T	1,300 M	18 M	I	22	6-69	740	D J
16S 38E 24ACB1	KOHLER FONNESBK	1954	548	16		R	Q	4,585	57 M	3-68	T	680 M		I	24	7-68	850	C D1
16S 38E 24BDD1	P L KOHLER	1969	566	16	P	R	Q	4,583	46 M	7-69	T	2,500 D	125 M	I	22	7-69	660	D
16S 38E 25AAD1	U S BUR REC	1955	8	3	O	S	Q	4,535	5 M	10-68	N			U				D
16S 38E 25CCB1	MARK ROYLANCE		132	3		R	Q	4,560	31 M	7-67	N			U				J
16S 38E 25CDD1	U S BUR REC	1955	5	3	O	S	Q	4,526	4 M	10-68	N			U				D
16S 39E 01BCC1	F BECKSTEAD	1964	250	6	P	R	Q	4,565	6 M	4-68	N	20 D	20	H				D1 J
16S 39E 03CDB1	TOM HOWELL		6	36	W	7S	Q	4,595	2 M	7-67	J			S	15	7-68	490	
16S 39E 07CAD1	DEAN R BINGHAM	1961	450	4	P	R	Q	4,565	60 M	7-67	S			H	19	7-68	760	
16S 39E 07CAD2	DEAN R BINGHAM	1955	140	6	P	S	Q	4,565	46 R	2-55				U	10			D1
16S 39E 09CCC1	FLOYD JENSEN	1954	205	12	P	S	Q	4,527	4 M	7-67	S	90 D		H				D1
16S 39E 11ADA1	HENRY EGBERT	1965	35	48	W	7S	Q	4,535	8 M	7-67	J			S	13	7-68	2500	
16S 39E 17DDD1	BARNARD INGLET	1945	17	2	S	7S	Q	4,470			C			H	13	7-68	1100	
16S 39E 18CAB1	DOUGLAS MCKAY		30			S	Q	4,565	12 R					H		2-68	1400	
16S 39E 18CAC1	DOUGLAS MCKAY	1961	518	14	P	R	Q	4,570	55 M	10-67	N	1,350 D	22	I				D1 J
16S 39E 18CDA1	OWEN MAUGHAN	1961	462	14	P	R	Q	4,550	32 M	7-67	T	1,350 D	25	I				D W
16S 39E 19DBA1	SERGE BENSON	1957	265	4	P	R	Q	4,536	38 M	7-67	S			H	16	7-68	830	
16S 39E 30CAD1	C O BUTLER	1931	12	36	W	S	Q	4,526	10 M	7-67	C			H	13	7-68	2000	
16S 40E 06ADA1	L SWAINSTON	1937	18	6	W	7S	Q	4,660			C			H				
16S 40E 15BDD1	PAUL WOODWARD	1961	115	6		R	Q	4,950	54 M	7-67	S			H	13	7-68	650	
16S 40E 16ABB1	MARLOW WOODWARD		170			R	Q	4,520	F		C			S	12	7-68	570	
16S 40E 16CAC1	ORVAL RALLISON	1954	80	6	P	C		4,512	+9 R	7-54	F	80 D	9	I		2-68	440	D1
16S 40E 17BBB1	DAVIS FOSTER	1954	180	12	P	R	Q	4,548	8 M	2-67	T	400 D	50	I	12	8-67	780	C D1
16S 40E 18ABD1	LARREL HOBBS	1960	91	12	P	R	Q	4,556	13 M	7-67	N			U				J
16S 40E 20ACC1	W P HOBBS	1963	250	12		R	Q	4,480	F		T	210 M		I	13	8-67	680	
16S 40E 20CDA1	FRNKLN-CUB R CO	1934	236	12	P	G	Q	4,475	F		F	55 D		I				D J
16S 40E 20CDC1	FRNKLN-CUB R CO	1934	215	12		R	Q	4,475	F		F	160 D		I	13	2-68	520	C D1 J
16S 40E 20DCA1	CALIF PACKING	1929	315	12	P	R	Q	4,498	33 M	7-67	T			N				D
16S 40E 20DCA2	CALIF PACKING	1943	400	12	P	R	Q	4,498	34 M	7-67	T	332 M	5	N				D1
16S 40E 21AAB1	PIONEER IRR CO	1948	77	12		R	Q	4,590	8 M	7-67	N			U				J
16S 40E 21CDC1				2		R	Q	4,500	+3 M	3-67	F			S	7	3-68	510	
16S 40E 28DBC1	BIRCH COMISH	1960	65	6		R	Q	4,526	4 M	7-67	J			H	14	7-68	580	K
16S 40E 29CBC1	FRANKLIN CEMTRY	1950	82	10	P	R	Q	4,508	15 M	7-67	N			U				J W
16S 40E 30ABB1	IVAN WOODWARD	1945	85	8		R	Q	4,513	F		C			H	14	7-68	520	K

1/ PUMPED BY UTAH STATE AGRICULTURAL COLLEGE IN 1932 FOR DRAINAGE TEST.

TABLE 2.--RECORDS OF SELECTED SPRINGS

LOCATION: SEE DESCRIPTION OF NUMBERING SYSTEM IN TEXT.
ALTITUDE: ALTITUDE OF LAND SURFACE DATUM IN FEET ABOVE MEAN SEA LEVEL; DETERMINED FROM TOPOGRAPHIC MAPS AND HAND LEVELING WHERE NECESSARY.
AGE OF AQUIFER: Q, QUARTERNARY; T, TERTIARY; M, MISSISSIPPIAN; D, DEVONIAN; S, SILURIAN; O, ORDOVICIAN; C, CAMBRIAN; Y, PALEOZOIC OR PRECAMBRIAN.
DISCHARGE: IN GALLONS PER MINUTE (GPM); E, ESTIMATED; M, MEASURED; R, REPORTED.
SPECIFIC CONDUCTANCE: ELECTRICAL CONDUCTANCE OF WATER IN MICROMHOS PER CENTIMETER AT 25°C. FIELD DETERMINATION EXCEPT WHERE INDICATED BY L (LABORATORY DETERMINATION).
USE OF WATER: H, DOMESTIC; I, IRRIGATION; N, INDUSTRIAL; P, PUBLIC SUPPLY; S, STOCK; U, UNUSED.
OTHER DATA AVAILABLE: C, CHEMICAL ANALYSIS IN TABLE 5.

LOCATION	NAME OR OWNER	ALTITUDE (FEET)	AGE OF AQUIFER	DISCHARGE (GPM)	DATE MEASURED	TEMP (°C)	SPECIFIC CONDUCTANCE MICROMHOS	SPECIFIC CONDUCTANCE DATE MEASURED	USE OF WATER	OTHER DATA AVAILABLE
CACHE COUNTY, UTAH										
(A- 9- 1)										
10BACS-1	L A FARNSWORTH	4,920	Q	450 E	JUNE 1968	10	440	MARCH 1968	I	C
(A- 9- 2)										
16A S-1	BIG SPRING	5,400	S	1,350 M	SEPT. 1968	7	440	JULY 1968	I	
17BCCS-1		5,230	M	100 E	JULY 1968	8	470	JULY 1968	U	
18ADDS-1		5,220	M	100 E	JULY 1968	10	440	JULY 1968	U	
(A-10- 1)										
3BBBS-1		4,747	Q	300 M	OCT. 1968	12	570	OCT. 1968	I	
14BCCS-1	EUGENE LARSON	5,053	Q	2 M	JUNE 1968	11	520	JUNE 1968	S	
16BBAS-1	E K ISRAELSEN	4,775	Q	10 M	JUNE 1968	11	670	MARCH 1968	H	C
21BABS-1		4,770	Q	1,300 E	OCT. 1968	12	520	OCT. 1968	I	
21BCAS-1		4,770	Q	1,530 M	OCT. 1968	11	570	OCT. 1968	I	
21DDBS-1	ELLIS HANSEN	4,840	Q	130 E	SEPT. 1968	11	550	SEPT. 1968	H	
28CABS-1	W A OBRAY	4,835	Q	720 M	JUNE 1968	11	550	JUNE 1968	I	
28CACS-1	WHITES INC	4,820	Q	900 E	SEPT. 1968	12	490	SEPT. 1968	N	
33BACS-1	WHITES INC	4,820	Q	1,800 E	SEPT. 1968	12	520	SEPT. 1968	N	
(A-10- 2)										
1CC S-1	MAIN SPRING	5,200	C						P	
20C S-1	BOX ELDER SP	5,100	C	225 R					P	C
8CC S-1	DRY CANYON SP	5,520	D	140 R	JUNE 1912				P	
9BB S-1	COLD WATER SP	5,020	D			7	390	APRIL 1969	I	
29ACDS-1	PARADISE SP	6,450	M	1,350 R			388L	MAY 1968	P	C
(A-11- 1)										
10CCDS-1	LIT BALLARD SP	4,500	Q	1,530 M	AUG. 1967	13	600	AUG. 1967	I	
14CCDS-1	MATHEWS SP	4,835	Q			10	420	MAY 1969	P	
15BBCS-1	BIG BALLARD SP	4,490	Q	1,800 R			600	MAY 1968	I	C
17BDBS-1	SPRING CR NO 1	4,445	Q	2,430 M	NOV. 1967	11	510	NOV. 1967	I	
18BCDS-1	SPRING CR NO 3	4,430	Q	2,700 E	NOV. 1967	11	540	NOV. 1967	I	
18BDDS-1	SPRING CR NO 2	4,430	Q	2,700 E	NOV. 1967	10	480	NOV. 1967	I	C
23CDAS-1	GARR SPRING	4,840		1,570 M	NOV. 1967	11	440	NOV. 1967	I	C
34DCBS-1	YEATES SP	4,680	Q	250 R			605L	MARCH 1960	P	C
(A-11- 2)										
18ACDS-1	PROVIDENCE SP	5,800	M	3,600 E	SEPT. 1969	6	540	MAY 1968	P	C
(A-12- 1)										
4BABS-1	CHAMBERS SPRING	4,470	Q	2,600 R			900	MAY 1968	I	C
23CDDS-1	VERGIL WYMAN	4,645	Q						I	C
26ABBS-1	LOGAN CITY CORP	4,678	Q						I	
26BABS-1	UTAH STATE UNIV	4,637	Q						I	
29CACS-1	TREE SPRING	4,438	Q	3,600 R					I	
29CDAS-1	BLANCHARD SP	4,438	Q						I	
(A-12- 2)										
4DA S-1	WATER CANYON SP	6,700	Y	250 R	SEPT. 1957	6	360	APRIL 1969	P	
22DC S-1	DEWITT SPRINGS	5,050	D	9,000 R		7	326L	MAY 1968	P	C
(A-13- 1)										
24BBAS-1	MILES SPRING	4,980	Q			10	360	JUNE 1969	P	
24BCBS-1	PETERSEN SPRING	4,950	Q						P	
29ABCS-1	LYNN ERICKSON	4,465	Q	1/			630	JULY 1968	N	

TABLE 2. RECORDS OF SELECTED SPRINGS -- CONTINUED

LOCATION	NAME OR OWNER	ALTITUDE (FEET)	AGE OF AQUIFER	DISCHARGE (GPM)	DATE MEASURED	TEMP (°C)	SPECIFIC CONDUCTANCE MICROMHOS	DATE MEASURED	USE OF WATER	OTHER DATA AVAILABLE
(A-13- 1)										
29ACBS-1	LYNN ERICKSON	4,470	Q	1/		16	540	JULY 1968	N	
29BABS-1	LYNN ERICKSON	4,455	Q	1/		12	560	JULY 1968	N	
29BACS-1	ANDERSON SPRING	4,452	Q	1/					N	
29BACS-2	LYNN ERICKSON	4,455	Q	1/		12	570	JULY 1968	N	
29BCAS-1	LYNN ERICKSON	4,440	Q	1/		11	530	JULY 1968	H	
29BCDS-1	LYNN ERICKSON	4,450	Q	150 R	1968	12	520	JULY 1968	N	
29BDCS-1	STORY SPRING	4,455	Q	450 R	1968	11	480	JULY 1968	N	
29BDCS-2	MACK SPRING	4,455	Q	1/		13	530	JULY 1968	N	
32ADCS-1	HOPKINS SPRING	4,468	Q	1,700 R		12	600	MAY 1968	I	C
(A-13- 2)										
9CA S-1	TWIN SPRINGS	5,800	C			7	330	MAY 1969	P	
9CC S-1	TOOLSON SPRING	5,800	C			8	380	JUNE 1969	P	
9CD S-1	ROLL OFF SPRING	5,800	C			7	380	JUNE 1969	P	
9DA S-1	LIME KILN SP	6,100	C			7	300	MAY 1969	P	
10AA S-1	ROADSIDE SPRING	6,380	C	200 E	MAY 1969	6	290	MAY 1969	I	
10BD S-1	BURNT STUMP SP	6,280	C						P	
10CB S-1	DUGWAY SPRING	6,300	C						P	
21BA S-1	BIRCH CANYON SP	6,400	C	450 R	OCT. 1936		365L	JULY 1960	P	C
(A-13- 3)										
12 S-1	TONY GROVE USU	6,450	C				398	JULY 1960	P	C
27AD S-1	RICKS SPRING	5,875	O	32,100 M	MAY 1969	7	320	APRIL 1969	U	C
(A-14- 1)										
1ADDS-1	Q H SHUMWAY	4,730	Q			11	340	APRIL 1969	I	
1DDDS-1	SOUTH COVE	4,850	Q				390L	MAY 1968	P	C
12BADS-1	GOASLIND SP	4,600	Q	44 R			342L	FEB. 1960	P	C
15ACBS-1	CLEAR CREEK SP	4,460	Q	1,300 E	NOV. 1968	12	570	NOV. 1968	P	C
22BABS-1		4,452	Q	10 E	APRIL 1968		530	APRIL 1968	I	
34BDCS-1	PEART-THUMPSON	4,488	Q	140 R	DEC. 1968		710	DEC. 1968	I	
36ADBS-1	NO CITY CR SP	5,415	Q			9	440	MAY 1969	P	
(A-14- 2)										
7ABCS-1	HI BAIR SP	5,060	T	570 R	FEB. 1944	6	200	APRIL 1969	I	C
29BCDS-1	RANGER SPRING	5,840	C	1,300 E	MAY 1969	7	200	MAY 1969	P	
30BBAS-1	CHERRY CR SP	5,310	Q	4,500 E	MAY 1968	7	210	MAY 1968	I	C
31BCAS-1		5,640	Q	10 M	MAY 1969	7	420	MAY 1969	S	
(B-10- 1)										
10AACS-1	WELLSVILLE SP	4,535	Q	1,800 M	OCT. 1968	12	650	OCT. 1968	I	C
10CABS-1	MURRAY SPRING	4,640	Q	1,170 M	NOV. 1967	11	530	NOV. 1967	I	C
17CACS-1	LEATHAM SPRING	5,450	Y	1,200 R		7	402L	MAY 1968	P	C
22CCCS-1	LDS CHURCH	5,280					510	OCT. 1968	S	
(B-11- 1)										
7BBBS-1	DEEP CANYON SP	5,085		450 E			361L	MARCH 1960	P	C
13AABS-1	SPRING CR NO 4	4,425	Q	450 M	NOV. 1967	12	510	NOV. 1967	I	
18ACDS-1		5,155		900 E	JUNE 1969	6	400	JUNE 1969	I	
19CACS-1	COLD WATER SP	5,860		10 M	JUNE 1969	5	330	JUNE 1969	S	
21DACS-1	GARDNER SPRING	4,440	Q	2,700 R		11	529L	MAY 1968	I	C
27BDDS-	CLAYTON SP	4,470	Q	900 M	APRIL 1969	10	500	APRIL 1969	I	
27DCAS-1	DARLEY SP	4,481	Q	1,800 E	APRIL 1969	11	500	APRIL 1969	I	
34DACS-1	NORTHFIELD SP	4,510	Q	2,830 M	NOV. 1967	10	530	NOV. 1967	I	C
35BCBS-1	GRANT PARKINSON	4,450	Q	760 M	OCT. 1968	11	530	OCT. 1968	I	
(B-12- 1)										
30CCCS-1	YONK SPRING	4,810	T			11	750	JULY 1968	S	
(B-12- 2)										
24CBBS-1		5,015	Q	20 E	NOV. 1968	11	540	NOV. 1968	U	
26DDAS-1	WALTER AHERN SP	5,140	T	5 E	JULY 1968	14	620	JULY 1968	U	
(B-13- 1)										
15BCAS-1		4,460	Q	100 E	SEPT. 1968	12	730	SEPT. 1967	I	
(B-13- 2)										
1BBCS-1		4,783	Q			12	580	SEPT. 1968	U	
2BACS-1	W M GODFREY	4,803	Q			9	650	SEPT. 1968	U	
(B-14- 1)										
5DCBS-1	D A BERGESON	4,800	Q	1 M	OCT. 1968	10	800	OCT. 1968	S	
6DDCS-1		5,190	T	4 M	OCT. 1968	12	630	OCT. 1968	S	
8CBCS-1	BUTLER SP	4,890	Q	57 R					P	
17CAAS-1	GRIFFITH SP	4,881	Q	18 R		12	1,100	OCT. 1968	P	
33ABDS-1	D J GANCHEFF	4,520	Y				7,000	JAN. 1968	U	C
33ACAS-1	D J GANCHEFF	4,520	Y			31	7,800	JAN. 1968	I	C

TABLE 2. RECORDS OF SELECTED SPRINGS -- CONTINUED

LOCATION	NAME OR OWNER	ALTITUDE (FEET)	AGE OF AQUIFER	DISCHARGE (GPM)	DATE MEASURED	TEMP (°C)	SPECIFIC CONDUCTANCE MICROMHOS	SPECIFIC CONDUCTANCE DATE MEASURED	USE OF WATER	OTHER DATA AVAILABLE
(B-14- 2)										
5DDCS-1		5,135	Q	5 E	OCT. 1968	9	710	OCT. 1968	U	
8DCDS-1		5,165	Q	50 E	OCT. 1968	11	460	OCT. 1968	S	
9DBCS-1		4,998	Q	1 E	OCT. 1968	11	650	OCT. 1968	U	
9DCBS-1		4,998	Q	150 E	OCT. 1968	11	540	OCT. 1968	U	
9DCDS-1		5,000	Q						U	
12CACS-1		4,990	Q	20 E	OCT. 1968	12	2,700	OCT. 1968	U	
14AABS-1		4,915	Q	110 E	OCT. 1968	9	3,900	OCT. 1968	U	
16CBCS-1	LITTLE BIRCH SP	5,150	Q			7	670	OCT. 1968	P	
17ABAS-1		5,175	Q	15 E	OCT. 1968	9	490	OCT. 1968	S	
17DBAS-1	BIG BIRCH SP	5,180	Q						P	
21ACDS-1	THOMPSON SPRING	5,143	Q			10	450	MAY 1969	P	
21ADDS-1	TRENTON TOWN	5,108	Q						P	
22DBAS-1	GOODY SPRING	4,918	Q			9	490	MAY 1969	P	
28DDBS-1	CITY CREEK SP	5,170	Q						P	
28DDDS-1		5,150	Q	20 E	MAY 1969	10	490	MAY 1969	U	
34BBBS-1		5,150	Q	20 E	MAY 1969	9	530	MAY 1969		
34DADS-1	NEWTON TOWN	4,840	Q	15 R	AUG. 1938				P	
35BCBS-1	OLD BUTTARS SP	4,820	Q	45 R	JUNE 1957	12	840	SEPT. 1968	S	
36BBBS-1		4,793	Q			12	1,500	SEPT. 1968	U	
(B-15- 1)										
34CCDS-1	CORNISH TOWN	4,490	Q				1,410L	APRIL 1960	P	C
FRANKLIN COUNTY, IDAHO										
13S-38E-29DAD1	FISHER SP	5,050	Q			11	510	APRIL 1969	P	
13S-41E-27BAD1	MINK CREEK SP	5,460	C	22,400 E	APRIL 1969	7	360	APRIL 1969	P	C
14S-38E-29DCA1	CLIFTON CITY	5,500	Q			6	450	MAY 1969	P	
14S-38E-31ADB1	CLIFTON CITY	6,560	Q	200 E	MAY 1969	6	350	MAY 1969	P	
14S-39E-03BC 1	SPRING HOLLOW	4,900	Q	2 E	APRIL 1969	9	870	APRIL 1969	P	
14S-40E-31DBC1	RIVERDALE	4,660	Q				630	JAN. 1969	P	
14S-41E-08BAD1	BIRCH CREEK SP	5,350	C	1,800 E	APRIL 1969	8	330	APRIL 1969	P	
15S-38E-04DDA1	HILLTOP	5,230	Q	10 E	APRIL 1969	9			P	C
15S-38E-07DBA1	MAPLE GROVE SP	6,220	Q	700 E	APRIL 1969	6	260	APRIL 1969	P	
15S-38E-16BDA1	DAYTON SP NO 1	5,210	Q						P	
15S-38E-31DCD1	BUTTARS SP	4,980	Q			7	710	APRIL 1969	I	C
15S-39E- 8BDC1	BATTLE HOT SP	4,480	Y	900 E	MARCH 1968	77	12,000	MARCH 1968	U	C
15S-39E-17BDC1	VINCENT HOT SP	4,460	Y			67	12,000	SEPT. 1968	U	
15S-40E-20DBC1	WHTNY WTR WORKS	4,850	Q			9	480	APRIL 1969	P	
15S-41E-03DA 1	THOMAS SPRING	5,900	C	20 E	APRIL 1969	8	550	APRIL 1969	P	
15S-41E-08BA 1	BIRCH SPRING	5,400	Q	3,100 E	APRIL 1969	6	180	APRIL 1969	I	
15S-41E-10A 1	BERQUIST SP	5,700	Q	7,200 M	MAY 1969	6	290	APRIL 1969	P	C
15S-41E-12BA 1		6,150	C	9,200 E	MAY 1969	5	300	MAY 1969	I	
15S-41E-12DB 1		6,250	C	13,500 E	MAY 1969	5	250	MAY 1969	I	
15S-41E-19DDD1	FOSTER CREEK SP	5,250	Q	5		7	470	APRIL 1969	P	C
16S-38E-06ABD1	NIELSEN SP	4,980	Q	450 E		8			I	C
16S-38E-16BAA1	WESTON SP	4,845	Q						P	C
16S-38E-29ADC1		4,907	Q	20 E	OCT. 1968	11	2,300	OCT. 1968	U	
16S-40E-12DDC1	CROOKED CR SP	5,300	T	3,600 E	MAY 1969	6	200	MAY 1969	P	
16S-40E-22ADB1	KINGSFORD SP	4,900	T	1,800 E	MAY 1969	6	50	MAY 1968	P	
16S-40E-22DBB1	LOW SPRING	4,750	Q			9	460	MAY 1969	P	

1/ GROUP OF 7 SPRINGS DISCHARGE AN ESTIMATED 1,000 GPM.

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS

WELL-NUMBERING SYSTEM DESCRIBED IN TEXT.
ALTITUDE OF LAND SURFACE DATUM GIVEN IN FEET ABOVE MEAN SEA LEVEL.
WATER LEVELS ARE GIVEN IN FEET ABOVE (+) OR BELOW LAND SURFACE DATUM. MEASUREMENTS BY UTAH STATE ENGINEER WHERE INDICATED (G); ALL OTHER MEASUREMENTS BY U.S. GEOLOGICAL SURVEY.
MANY OF THESE RECORDS HAVE BEEN PUBLISHED IN THE FOLLOWING WATER-SUPPLY PAPERS OF THE U.S. GEOLOGICAL SURVEY:

YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER
1936	817	1939	886	1942	948	1945	1027	1948	1130	1951	1195	1954	1325
1937	840	1940	910	1943	990	1946	1075	1949	1160	1952	1225	1955	1408
1938	845	1941	940	1944	1020	1947	1100	1950	1169	1953	1269	1956-60	1760
												1961-65	1845

(A-9-1)10ADD-2
ALTITUDE OF LAND SURFACE 5010 FEET.

HIGHEST WATER LEVEL 25.61 BELOW LSD, OCT. 30, 1951, APR. 14, 1952.
LOWEST WATER LEVEL 34.24 BELOW LSD, OCT. 11, 1940.
RECORDS AVAILABLE 1936-54, 1957-58.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1936	30.14	APR. 4, 1939	29.06	MAR. 3, 1942	31.35	APR. 1, 1948	28.50
DEC. 14	29.33	JUNE 1	28.52	AUG. 20	29.87	MAR. 28, 1949	26.91
JAN. 17, 1937	29.50	AUG. 5	30.90	DEC. 29	29.40	DEC. 8	27.53
MAR. 12	29.89	OCT. 3	31.23	MAR. 5, 1943	29.75	MAR. 28, 1950	27.11
MAY 12	27.40	DEC. 28	30.42	DEC. 3	28.88	DEC. 15	25.82
AUG. 7	28.94	FEB. 7, 1940	30.66G	APR. 12, 1944	29.85	MAR. 27, 1951	27.11
DEC. 16	29.39	MAR. 9	30.59G	DEC. 19	29.54	OCT. 30	25.61
FEB. 9, 1938	29.73	APR. 1	30.63G	FEB. 28, 1945	29.90	APR. 14, 1952	25.61
APR. 19	28.25	MAY 1	31.13G	DEC. 6	28.43	OCT. 22	25.91
JUNE 24	25.92	JUNE 24	31.62	MAR. 19, 1946	27.88	MAR. 30, 1953	27.45
AUG. 19	28.70	OCT. 11	34.24	DEC. 9	26.03	APR. 13, 1954	29.25
OCT. 14	29.93	MAR. 12, 1941	30.81	FEB. 18, 1947	26.37	DEC. 6	29.35
DEC. 9	29.01	OCT. 9	31.62	MAR. 31	26.24	MAR. 27, 1957	27.93
FEB. 7, 1939	30.05	DEC. 10	31.23	MAY 20	25.82	MAR. 19, 1958	28.47

(A-9-1)10ADD-1
ALTITUDE OF LAND SURFACE 5002 FEET.

HIGHEST WATER LEVEL 17.03 BELOW LSD, MAR. 15, 1967.
LOWEST WATER LEVEL 22.70 BELOW LSD, DEC. 11, 1962.
RECORDS AVAILABLE 1962-63, 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1962	18.86	APR. 1, 1965	18.47	MAR. 15, 1967	17.03	MAR. 8, 1968	18.65
DEC. 11	22.70	MAR. 18, 1966	18.74	SEP. 20	19.00	MAR. 11, 1969	18.92
MAR. 19, 1963	20.89						

(A-10-1)14ABD-1
ALTITUDE OF LAND SURFACE 4706 FEET.

HIGHEST WATER LEVEL 8.16 BELOW LSD, SEP. 4, 1968.
LOWEST WATER LEVEL 11.07 BELOW LSD, MAR. 23, 1959.
RECORDS AVAILABLE 1936-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1936	9.32	DEC. 10, 1941	9.59	MAR. 28, 1950	10.38	MAR. 31, 1965	10.37
DEC. 14	9.52	FEB. 19, 1942	10.15G	DEC. 15	9.39	JULY 29	8.65

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1936	9.32	DEC. 10, 1941	9.59	MAR. 28, 1950	10.38	MAR. 31, 1965	10.37
DEC. 14	9.52	FEB. 19, 1942	10.15G	DEC. 15	9.39	JULY 29	8.65

JAN. 17, 1937	9.60	MAR. 3	10.44	MAR. 27, 1951	10.27	DEC. 15	9.22
MAR. 12	10.06	APR. 21	10.66	OCT. 30	8.92	MAR. 17, 1966	10.12
MAY 12	10.59	AUG. 20	10.66	APR. 14, 1952	10.33	DEC. 21	9.35
AUG. 7	8.9	DEC. 29	10.60	OCT. 22	8.58	MAR. 15, 1967	10.13
SEP. 30	8.97	MAR. 5, 1943	10.19	MAR. 30, 1953	10.53	SEP. 7	8.35
NOV. 3	8.87	APR. 8	10.36	FEB. 6, 1954	9.75	OCT. 5	8.2
DEC. 16	9.12	APR. 17	10.48	APR. 8, 1955	10.40	NOV. 6	8.9
FEB. 9, 1938	9.94	APR. 30	10.72	DEC. 13	9.33	DEC. 7	9.4
APR. 19	10.35	DEC. 3	9.42	APR. 4, 1956	10.50	JAN. 17, 1968	8.86
JUNE 24	10.15	APR. 12, 1944	10.44	DEC. 17	9.37	FEB. 7	10.15
AUG. 19	8.75	DEC. 19	9.69	MAR. 27, 1957	10.20	MAR. 5	9.96
OCT. 14	8.77	FEB. 28, 1945	10.01	DEC. 4	9.31	APR. 2	10.03
DEC. 9	9.19	DEC. 6	9.16	MAR. 12, 1958	10.15	MAY 3	10.5
FEB. 7, 1939	10.08	MAR. 19, 1946	10.12	OCT. 15	8.78	JUNE 3	10.77
APR. 4	10.4	DEC. 9	9.25	DEC. 2	9.22	JULY 5	9.7
JUNE 2	10.5	FEB. 18, 1947	10.24	MAR. 23, 1959	11.07	AUG. 6	8.47
AUG. 5	9.29	MAR. 31	10.58	OCT. 13	9.5	SEP. 4	8.16
OCT. 3	9.22	MAY 20	10.85	DEC. 21	10.42	OCT. 2	8.54
DEC. 28	9.83	OCT. 27	9.15	MAR. 29, 1960	10.35	NOV. 7	8.95
FEB. 7, 1940	9.89G	DEC. 30	9.94	APR. 4, 1961	10.24	DEC. 3	9.25
MAR. 9	10. G	APR. 1, 1948	10.42	JAN. 8, 1962	10.49	JAN. 7, 1969	9.67
APR. 1	10.35G	OCT. 7	8.53	MAY 8	10.62	FEB. 4	9.62
MAY 1	10.68G	OCT. 20	8.88	DEC. 19	9.55	MAR. 4	9.84
JUNE 29	10.4	DEC. 30	9.69	MAR. 6, 1963	10.09	APR. 2	10.04
OCT. 11	9.77	MAR. 8, 1949	10.44	DEC. 4	9.35	MAY 6	10.64
DEC. 17	10.16	MAR. 28	10.22	MAR. 12, 1964	10.47	JUNE 3	10.57
MAR. 12, 1941	10.41	APR. 19	10.69	OCT. 28	8.69	JULY 2	8.62
OCT. 9	9.39	DEC. 8	9.69	DEC. 17	9.2		

(A-10-1)16DAD-1
ALTITUDE OF LAND SURFACE 4810 FEET.

HIGHEST WATER LEVEL 4.85 BELOW LSD, JULY 2, 1969.
LOWEST WATER LEVEL 10.50 BELOW LSD, JAN. 7, 1969.
RECORDS AVAILABLE 1968-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1968	7.95	JAN. 7, 1969	10.50	APR. 2, 1969	9.85	JUNE 3, 1969	6.40
NOV. 7	10.28	FEB. 4	10.21	MAY 6	10.36	JULY 2	4.85
DEC. 4	10.42	MAR. 4	10.18				

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-10-1)21AAB-1
ALTITUDE OF LAND SURFACE 4821 FEET.

HIGHEST WATER LEVEL 11.02 BELOW LSD, AUG. 6, 1968,
LOWEST WATER LEVEL 15.48 BELOW LSD, MAR. 15, 1967.
RECORDS AVAILABLE 1962-63, 1965-68.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1962	13.06	APR. 25, 1963	13.98	MAR. 18, 1966	12.54	MAR. 5, 1968	14.80
DEC. 11	14.11	MAY 19	12.48	MAR. 15, 1967	15.48	APR. 2	14.92
JAN. 15, 1963	14.31	JUNE 11	11.77	SEP. 20	12.0	AUG. 6	11.02
FEB. 13	14.05	JULY 16	11.22	NOV. 6	14.8	MAR. 4, 1969	14.92
MAR. 19	13.87	APR. 1, 1965	13.75				

(A-11-1)2BCB-1
ALTITUDE OF LAND SURFACE 4620 FEET.

HIGHEST WATER LEVEL 123.45 BELOW LSD, NOV. 6, 1967,
LOWEST WATER LEVEL 128.53 BELOW LSD, NOV. 7, 1968.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1967	123.47	APR. 2, 1968	128.34	OCT. 2, 1968	125.89	MAR. 4, 1969	127.65
NOV. 6	123.45	MAY 8	128.18	NOV. 7	128.53	APR. 1	128.28
DEC. 11	125.1	JUNE 3	128.27	DEC. 2	124.76	MAY 5	128.27
JAN. 10, 1968	125.68	JULY 3	127.52	JAN. 7, 1969	125.94	JUNE 3	128.09
FEB. 7	126.75	AUG. 6	126.69	FEB. 4	126.98	JULY 2	126.32
MAR. 4	127.89	SEP. 4	126.19				

(A-11-1)3BDA-1
ALTITUDE OF LAND SURFACE 4528 FEET.

HIGHEST WATER LEVEL 29.08 BELOW LSD, DEC. 9, 1946,
LOWEST WATER LEVEL 44.01 BELOW LSD, MAY 17, 1963.
RECORDS AVAILABLE 1936-50, 1962-63, 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1936	31.33	APR. 5, 1939	35.03	AUG. 20, 1942	36.19	MAR. 28, 1949	33.03
DEC. 13	31.92	JUNE 1	34.41	DEC. 29	35.60	AUG. 10	29.32
JAN. 17, 1937	32.63	AUG. 7	34.70	MAR. 5, 1943	36.64	DEC. 7	30.02
MAR. 12	34.3	OCT. 3	35.55	DEC. 3	31.81	MAR. 28, 1950	33.33
MAY 13	31.70	DEC. 27	35.67	APR. 12, 1944	35.22	OCT. 24, 1962	40.59
AUG. 7	31.47	FEB. 7, 1940	36.35G	DEC. 19	34.54	OCT. 31	40.58
SEP. 30	31.75	MAR. 9	36.89G	FEB. 28, 1945	35.95	DEC. 11	40.86
NOV. 3	31.65	APR. 3	37.11G	DEC. 5	31.62	JAN. 16, 1963	41.63
DEC. 16	32.08	MAY 1	37.42G	MAR. 20, 1946	34.47	FEB. 13	42.56
FEB. 9, 1938	33.70	JUNE 24	36.10	DEC. 9	29.08	MAR. 28	43.68
APR. 19	34.75	OCT. 11	38.07	FEB. 18, 1947	31.42	APR. 25	43.93
JUNE 24	32.55	DEC. 17	37.16	APR. 1	32.70	MAY 17	44.01
AUG. 19	31.24	MAR. 12, 1941	38.13	MAY 19	32.53	JUNE 11	42.83
OCT. 14	31.19	MAR. 13	38.23	OCT. 27	29.98	OCT. 24, 1967	33.3
DEC. 9	31.78	OCT. 9	38.48	DEC. 30	31.37	MAR. 8, 1968	36.52
FEB. 7, 1939	33.39	DEC. 10	37.47	JULY 1, 1948	31.44	MAR. 13, 1969	36.64

(A-11-1)4BBC-1
ALTITUDE OF LAND SURFACE 4478 FEET.

HIGHEST WATER LEVEL 0.37 BELOW LSD, MAR. 28, 1963,
LOWEST WATER LEVEL 7.60 BELOW LSD, OCT. 5, 1967.
RECORDS AVAILABLE 1962-63, 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 7, 1962 +	2.64	MAR. 16, 1967 +	1.15	APR. 2, 1968 +	3.15	DEC. 3, 1968 +	6.2
DEC. 11 +	2.61	SEP. 6 +	4.5	MAY 3 +	3.2	JAN. 7, 1969 +	5.4
MAR. 28, 1963	0.37	OCT. 5 +	7.6	JUNE 4 +	3.3	FEB. 3 +	3.5
APR. 1, 1965 +	1.10	NOV. 6 +	7.5	JULY 5 +	3.55	MAR. 4 +	3.9
MAR. 18, 1966 +	2.50	DEC. 6 +	6.0	AUG. 5 +	3.2	APR. 1 +	3.4
MAY 25 +	4.7	JAN. 17, 1968 +	4.98	SEP. 4 +	4.9	MAY 5 +	3.2
JUNE 22 +	4.2	FEB. 12 +	4.18	OCT. 1 +	5.3	JUNE 2 +	2.7
DEC. 22 +	4.25	MAR. 4 +	3.5	NOV. 6 +	6.0	JULY 1 +	4.7

(A-11-1)4DAA-2
ALTITUDE OF LAND SURFACE 4500 FEET.

HIGHEST WATER LEVEL 12.80 BELOW LSD, DEC. 20, 1968,
LOWEST WATER LEVEL 16.42 BELOW LSD, MAY 15, 1969.
RECORDS AVAILABLE 1968-69.

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
						1968						
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.80
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.91
EOM	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13.28
						1969						
5	13.53	14.22	15.07	15.45	15.66	15.57	13.73	.....	.....	.....	.....	.....
10	13.56	14.52	15.25	15.65	16.13	15.13	13.85	.....	.....	.....	.....	.....
15	13.79	14.63	15.44	15.61	16.42	14.88	13.99	.....	.....	.....	.....	.....
20	14.09	14.73	15.47	15.71	16.09	13.80	13.71	.....	.....	.....	.....	.....
25	13.93	14.78	15.62	15.61	15.84	14.06	13.51	.....	.....	.....	.....	.....
EOM	14.21	14.93	15.50	15.55	15.73	13.87	13.44	.....	.....	.....	.....	.....

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-11-1)8DDA-3
ALTITUDE OF LAND SURFACE 4472 FEET.

HIGHEST WATER LEVEL 8.50 BELOW LSD, JAN. 8, 1962, MAR. 12, 1964,
LOWEST WATER LEVEL 18.30 BELOW LSD, OCT. 22, 1952.
RECORDS AVAILABLE 1964-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1935 +	11.2	JUNE 17, 1941 +	10.8	DEC. 29, 1942 +	12.0	JAN. 8, 1962 +	8.5
DEC. 6 +	11.5	JUNE 23 +	10.6	MAY 5, 1943 +	11.7	MAY 8 +	9.6
MAR. 5, 1936 +	11.2	JUNE 26 +	10.4	DEC. 3 +	14.2	DEC. 19 +	11.6
MAY 9 +	12.25	JULY 5 +	11.2	APR. 12, 1944 +	12.1	MAR. 6, 1963 +	9.2
JUNE 26 +	13.6	JULY 9 +	9.2	DEC. 19 +	12.0	DEC. 4 +	10.8
AUG. 14 +	15.1	JULY 18 +	9.0	FEB. 28, 1945 +	10.6	MAR. 12, 1964 +	8.5
OCT. 11 +	15.3	JULY 21 +	8.9	DEC. 5 +	15.2	OCT. 29 +	10.9
DEC. 13 +	14.75	JULY 22 +	9.4	MAR. 19, 1946 +	14.1	DEC. 17 +	10.4
JAN. 17, 1937 +	14.6	JULY 29 +	9.1	DEC. 9 +	16.8	MAR. 31, 1965 +	10.0
MAR. 12 +	13.9	AUG. 1 +	8.9	APR. 1, 1947 +	14.9	JULY 29 +	11.8
MAY 12 +	13.25	AUG. 4 +	9.3	DEC. 30 +	15.3	DEC. 15 +	13.6
AUG. 7 +	15.1	AUG. 8 +	9.0	APR. 1, 1948 +	13.4	MAR. 16, 1966 +	11.5
SEP. 30 +	15.2	AUG. 12 +	9.5	DEC. 30 +	15.5	DEC. 21 +	13.08
NOV. 2 +	15.3	AUG. 15 +	9.1	MAR. 28, 1949 +	13.9	MAR. 15, 1967 +	10.8
DEC. 16 +	15.1	AUG. 18 +	9.3	AUG. 8 +	15.7	SEP. 20 +	13.8
FEB. 9, 1938 +	14.2	AUG. 20 +	9.4	DEC. 7 +	14.6	OCT. 5 +	14.25
APR. 19 +	13.6	AUG. 22 +	9.3 G	MAR. 28, 1950 +	13.3	NOV. 6 +	13.9
JUNE 24 +	14.7	AUG. 25 +	8.8 G	DEC. 15 +	16.5	DEC. 6 +	13.1
AUG. 19 +	15.3 G	AUG. 29 +	10.5 G	MAR. 27, 1951 +	14.2	JAN. 11, 1968 +	12.55
OCT. 14 +	15.5	SEP. 3 +	9.4 G	OCT. 30 +	16.9	FEB. 7 +	11.89
DEC. 9 +	15.7	SEP. 5 +	10.7 G	APR. 14, 1952 +	13.3	MAR. 4 +	11.6
FEB. 7, 1939 +	14.4	SEP. 9 +	10.0 G	OCT. 22 +	18.3	APR. 2 +	11.1
APR. 5 +	13.5	SEP. 15 +	9.4 G	APR. 13, 1954 +	12.9	MAY 3 +	11.8
JUNE 1 +	13.4	SEP. 26 +	10.5 G	DEC. 6 +	13.3	JUNE 4 +	10.6
AUG. 7 +	12.8	OCT. 2 +	10.5	APR. 8, 1955 +	11.8	JULY 3 +	12.1
OCT. 2 +	13.2	OCT. 9 +	11.15	DEC. 13 +	13.6	AUG. 6 +	12.4
DEC. 27 +	12.8	OCT. 13 +	11.3 G	APR. 3, 1956 +	12.7	SEP. 4 +	13.2
FEB. 7, 1940 +	12.5 G	NOV. 4 +	11.5 G	DEC. 17 +	15.3	OCT. 2 +	13.4
MAR. 9 +	12.3 G	NOV. 25 +	11.6 G	MAR. 27, 1957 +	13.1	NOV. 7 +	13.5
APR. 1 +	12.9 G	DEC. 10 +	11.9	DEC. 4 +	15.1	DEC. 3 +	13.1
MAY 1 +	11.4 G	DEC. 22 +	11.8 G	MAR. 19, 1958 +	12.7	JAN. 7, 1969 +	12.7
JUNE 24 +	11.1	JAN. 14, 1942 +	10.8 G	OCT. 15 +	16.7	FEB. 4 +	12.1
JULY 1 +	9.6	JAN. 19 +	9.8 G	DEC. 2 +	12.6	MAR. 3 +	11.7
AUG. 7 +	10.0	FEB. 2 +	10.0 G	MAR. 23, 1959 +	10.3	APR. 1 +	11.7
SEP. 16 +	11.5	MAR. 3 +	11.2 G	DEC. 21 +	10.1	MAY 5 +	10.3
OCT. 11 +	11.6	APR. 6 +	9.7 G	MAR. 29, 1960 +	9.6	JUNE 3 +	11.9
DEC. 17 +	9.9	APR. 16 +	9.7 G	OCT. 25 +	11.1	JULY 1 +	13.0
MAR. 12, 1941 +	11.2	AUG. 20 +	9.4	APR. 4, 1961 +	9.9		

(A-11-1)18DDD-1
ALTITUDE OF LAND SURFACE 4480 FEET.

HIGHEST WATER LEVEL 2.20 BELOW LSD, AUG. 15, 1941,
LOWEST WATER LEVEL 14.50 BELOW LSD, OCT. 22, 1952.
RECORDS AVAILABLE 1964-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1936 +	3.03	MAR. 11, 1941 +	3.55G	DEC. 5, 1945 +	9.0	MAR. 6, 1963 +	2.75
MAY 9 +	3.64	MAR. 12 +	3.53	MAR. 19, 1946 +	8.7	OCT. 28, 1964 +	4.70
JUNE 26 +	5.00	APR. 3 +	3.49G	DEC. 9 +	11.8	DEC. 17 +	3.95
AUG. 13 +	7.1	JUNE 24 +	3.01G	MAR. 31, 1947 +	9.5	MAR. 31, 1965 +	3.25
OCT. 11 +	8.25	JUNE 26 +	2.68G	DEC. 30 +	9.5	JULY 29 +	5.78
DEC. 14 +	8.2	JULY 5 +	2.43G	APR. 1, 1948 +	7.2	DEC. 15 +	7.3
JAN. 6, 1937 +	7.8	JULY 10 +	2.48G	DEC. 30 +	10.0	MAR. 16, 1966 +	4.67
JAN. 17 +	7.5	JULY 22 +	2.43G	MAR. 28, 1949 +	7.8	DEC. 22 +	4.61
MAR. 12 +	6.6	AUG. 6 +	2.58G	DEC. 7 +	8.5	MAR. 15, 1967 +	3.36
MAY 12 +	6.2	AUG. 15 +	2.20G	MAR. 28, 1950 +	6.5	SEP. 20 +	7.2
AUG. 6 +	7.75	AUG. 22 +	2.86G	DEC. 15 +	11.3	OCT. 5 +	7.7
SEP. 30 +	8.35	SEP. 3 +	3.05G	MAR. 27, 1951 +	9.1	NOV. 8 +	7.5
NOV. 2 +	8.25	SEP. 26 +	3.32G	OCT. 30 +	12.1	DEC. 11 +	7.2
DEC. 16 +	8.1	OCT. 2 +	3.46G	APR. 14, 1952 +	7.8	JAN. 17, 1968 +	6.07
FEB. 9, 1938 +	7.2	OCT. 9 +	3.62	OCT. 22 +	14.5	FEB. 7 +	5.53
APR. 19 +	6.25	OCT. 13 +	3.77G	MAR. 30, 1953 +	10.4	MAR. 5 +	5.0
JUNE 24 +	6.75	NOV. 5 +	4.04G	APR. 13, 1954 +	7.7	APR. 3 +	4.5
AUG. 19 +	7.50	NOV. 25 +	4.18G	DEC. 6 +	7.8	MAY 6 +	4.0
OCT. 13 +	8.75	DEC. 10 +	4.50	APR. 8, 1955 +	5.8	JUNE 4 +	4.1
DEC. 8 +	8.55	DEC. 23 +	4.47G	DEC. 13 +	8.5	JULY 9 +	4.1
FEB. 7, 1939 +	7.6	JAN. 14, 1942 +	4.24G	APR. 3, 1956 +	7.5	AUG. 6 +	5.24
APR. 5 +	6.1	FEB. 4 +	4.44G	DEC. 17 +	10.3	SEP. 4 +	6.25
JUNE 1 +	5.65	FEB. 6 +	4.35G	MAR. 27, 1957 +	7.8	OCT. 2 +	6.5
AUG. 7 +	5.58	MAR. 3 +	4.14	DEC. 4 +	8.1	NOV. 7 +	7.05
OCT. 3 +	5.65	MAR. 7 +	4.08G	MAR. 19, 1958 +	7.1	DEC. 3 +	6.7
DEC. 27 +	5.30	APR. 6 +	4.14G	OCT. 15 +	9.1	JAN. 7, 1969 +	6.2
FEB. 7, 1940 +	4.85G	AUG. 20 +	3.8	DEC. 2 +	7.4	FEB. 4 +	5.6
MAR. 9 +	4.45G	DEC. 29 +	4.15	MAR. 23, 1959 +	4.8	MAR. 4 +	5.1
APR. 1 +	4.55G	MAR. 5, 1943 +	4.85	DEC. 21 +	3.9	APR. 1 +	4.6
MAY 1 +	4.00	DEC. 3 +	8.2	MAR. 29, 1960 +	3.38	MAY 5 +	4.6
JUNE 11 +	2.63	APR. 12, 1944 +	5.7	OCT. 25 +	6.9	JUNE 3 +	5.5
OCT. 11 +	3.42	DEC. 19 +	6.15	DEC. 19, 1962 +	4.33	JULY 2 +	6.1
DEC. 16 +	4.05	FEB. 28, 1945 +	5.4				

(A-11-1)20ADA-1
ALTITUDE OF LAND SURFACE 4522 FEET.

HIGHEST WATER LEVEL 22.50 BELOW LSD, OCT. 5, 1967,
LOWEST WATER LEVEL 28.62 BELOW LSD, FEB. 27, 1967.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 22, 1966	27.6	NOV. 6, 1967	23.00	JUNE 3, 1968	27.50	JAN. 7, 1969	25.21
JULY 27	26.0	DEC. 6	23.65	JULY 3	26.64	FEB. 4	26.06
DEC. 1	25.4	JAN. 10, 1968	24.80	AUG. 6	25.09	MAR. 4	26.68
FEB. 27, 1967	28.62	FEB. 7	26.14	SEP. 4	24.51	APR. 2	27.10
		MAR. 4	27.09	OCT. 2	23.92	MAY 6	27.14
				NOV. 6	23.60	JUNE 3	26.09
						JULY 7	24.60

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-11-1)27CDC-1
ALTITUDE OF LAND SURFACE 4602 FEET.

HIGHEST WATER LEVEL 114.60 BELOW LSD, OCT. 5, 1967,
LOWEST WATER LEVEL 121.00 BELOW LSD, FEB. 28, 1967.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1967	121.0	MAR. 4, 1968	118.89	OCT. 2, 1968	115.95	MAR. 4, 1969	118.52
OCT. 5	114.6	APR. 2	119.24	NOV. 7	115.61	APR. 2	119.09
NOV. 6	114.85	MAY 6	119.98	DEC. 3	116.20	MAY 6	119.20
DEC. 7	115.1	JUNE 3	119.61	JAN. 7, 1969	116.95	JUNE 3	118.44
JAN. 10, 1968	116.60	AUG. 6	117.28	FEB. 4	117.87	JULY 2	116.87
FEB. 7	117.94	SEP. 4	116.56				

(A-11-1)30BBC-1
ALTITUDE OF LAND SURFACE 4492 FEET.

HIGHEST WATER LEVEL 0.98 BELOW LSD, NOV. 8, 1967,
LOWEST WATER LEVEL 5.25 BELOW LSD, FEB. 27, 1967.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 12, 1966	4.3	NOV. 8, 1967	0.98	JUNE 4, 1968	4.57	JAN. 7, 1969	2.6
JUNE 9	4.7	DEC. 7	1.15	JULY 9	4.50	FEB. 4	3.01
JULY 27	4.1	JAN. 17, 1968	2.35	AUG. 6	3.45	MAR. 4	3.49
AUG. 24	4.6	FEB. 7	2.88	SEP. 4	2.52	APR. 1	3.88
DEC. 1	4.7	MAR. 5	3.57	OCT. 2	2.48	MAY 5	4.07
FEB. 27, 1967	5.25	APR. 3	4.04	NOV. 7	1.57	JUNE 3	3.94
OCT. 5	1.05	MAY 6	4.50	DEC. 3	1.91	JULY 2	2.74

(A-11-1)30BCB-1
ALTITUDE OF LAND SURFACE 4491 FEET.

HIGHEST WATER LEVEL 0.18 BELOW LSD, AUG. 8, 1949,
LOWEST WATER LEVEL 6.45 BELOW LSD, JUNE 24, 1940.
RECORDS AVAILABLE 1936-58, 1966-67.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1936	1.05	DEC. 27, 1939	3.85	DEC. 19, 1944	2.90	APR. 14, 1952	1.48
JAN. 17, 1937	1.55	FEB. 7, 1940	4.31	FEB. 28, 1945	3.65	OCT. 22 +	6.2
MAR. 12	2.54	MAR. 9	4.56	DEC. 5	0.30	MAR. 30, 1953 +	1.4
MAY 12	3.13	APR. 1	4.53	MAR. 19, 1946	2.24	DEC. 6, 1954	1.65
AUG. 6	1.61	MAY 1	5.07	FEB. 18, 1947 +	1.90	APR. 8, 1955	2.98
SEP. 30	1.81	JUNE 24	6.45	MAR. 31 +	0.87	DEC. 13 +	1.03
NOV. 2	1.92	OCT. 11	6.23	MAY 20 +	0.30	APR. 3, 1956 +	1.05
DEC. 16	1.00	DEC. 16	5.31	DEC. 30 +	0.97	DEC. 17 +	1.88
FEB. 9, 1938	1.68	MAR. 11, 1941	5.55	APR. 1, 1948	1.27	MAR. 27, 1957 +	0.41
APR. 19	2.83	MAR. 12	5.72	OCT. 21 +	2.18	DEC. 4 +	2.11
JUNE 24	2.53	APR. 3	5.746	DEC. 30 +	1.02	MAR. 19, 1958	1.24
AUG. 19	1.65	OCT. 9	6.13	MAR. 28, 1949	1.16	OCT. 15 +	0.22
OCT. 13	0.50	DEC. 10	5.03	AUG. 8	0.18	MAY 12, 1966	5.6
DEC. 8	0.23	MAR. 3, 1942	5.35	DEC. 7	0.43	JUNE 9	5.9
FEB. 7, 1939	1.49	AUG. 20	5.46	MAR. 28, 1950	2.64	JULY 27	5.4
APR. 5	2.94	DEC. 29	3.93	DEC. 15 +	2.5	AUG. 24	5.7
JUNE 12	3.70	MAR. 4, 1943	4.38	MAR. 27, 1951	2.00	DEC. 1	4.9
AUG. 7	3.80	DEC. 3	1.25	OCT. 30 +	3.03	FEB. 27, 1967	6.28
OCT. 3	3.73	APR. 12, 1944	3.45				

(A-11-1)32CAA-1
ALTITUDE OF LAND SURFACE 4574 FEET.

HIGHEST WATER LEVEL 0.31 BELOW LSD, MAR. 18, 1966,
LOWEST WATER LEVEL 2.56 BELOW LSD, OCT. 5, 1967.
RECORDS AVAILABLE 1962-63, 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1962	2.09	APR. 1, 1965	1.38	MAR. 5, 1968	0.76	DEC. 3, 1968	1.25
DEC. 11	1.65	MAR. 18, 1966	0.31	APR. 2	0.96	JAN. 7, 1969	0.85
JAN. 15, 1963	2.02	MAR. 15, 1967	0.66	MAY 3	1.66	FEB. 4	1.07
FEB. 13	1.33	SEP. 20	2.13	JUNE 3	1.67	MAR. 4	0.70
MAR. 19	1.18	OCT. 5	2.56	JULY 5	1.30	APR. 2	0.74
MAR. 25	1.08	NOV. 6	1.95	AUG. 6	2.18	MAY 6	1.69
MAY 17	1.34	DEC. 7	1.7	SEP. 4	2.15	JUNE 3	1.15
JUNE 11	1.46	JAN. 17, 1968	1.44	OCT. 2	2.45	JULY 2	1.25
JULY 16	1.05	FEB. 7	1.22	NOV. 7	1.52		

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-12-1)3BBB-1
ALTITUDE OF LAND SURFACE 4508 FEET.

HIGHEST WATER LEVEL 0.91 BELOW LSD, OCT. 22, 1952,
LOWEST WATER LEVEL 21.06 BELOW LSD, MAR. 12, 1964.
RECORDS AVAILABLE 1936-41, 1944-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1936	1.24	APR. 15, 1944	14.26	DEC. 13, 1955	11.14	SEP. 5, 1967	6.99
DEC. 13	6.41	DEC. 19	11.10	APR. 3, 1956	15.10	OCT. 6	5.7
JAN. 5, 1937	8.20	FEB. 28, 1945	15.85	DEC. 17	8.16	NOV. 6	6.50
JAN. 18	9.16	DEC. 5	7.34	MAR. 27, 1957	14.79	DEC. 8	8.47
MAR. 13	12.59	MAR. 19, 1946	12.81	DEC. 4	7.47	JAN. 9, 1968	12.17
MAY 13	12.48	DEC. 9	5.82	MAR. 19, 1958	14.70	FEB. 9	14.52
DEC. 16	7.87	FEB. 17, 1947	10.12	OCT. 15	3.52	MAR. 1	15.74
DEC. 26	8.48	APR. 1	12.34	DEC. 2	9.82	APR. 3	16.82
FEB. 9, 1938	11.60	MAY 19	13.10	MAR. 23, 1959	15.91	MAY 6	17.37
APR. 19	14.20	DEC. 30	8.07	DEC. 21	11.88	JUNE 3	12.27
JUNE 24	6.55	APR. 1, 1948	14.70	MAR. 29, 1960	17.38	JULY 5	7.21
OCT. 14	2.71	DEC. 30	8.15	DEC. 11, 1962	11.99G	AUG. 5	4.68
DEC. 9	6.93	MAR. 28, 1949	12.94	DEC. 4, 1963	15.20	SEP. 3	3.45
APR. 5, 1939	14.13	DEC. 8	7.14	MAR. 12, 1964	21.06	OCT. 1	4.77
JUNE 1	10.32	MAR. 28, 1950	11.73	OCT. 29	10.65	NOV. 6	6.78
OCT. 2	7.95	DEC. 14	4.72	DEC. 17	13.25	DEC. 2	9.57
DEC. 27	12.00	MAR. 27, 1951	11.55	MAR. 31, 1965	18.00	JAN. 8, 1969	12.66
FEB. 6, 1940	13.99	OCT. 30	1.89	JULY 29	4.95	FEB. 3	14.46
MAR. 8	15.14	APR. 14, 1952	13.10	DEC. 15	10.07	MAR. 3	15.47
APR. 2	15.96	OCT. 22	0.91	MAR. 17, 1966	16.71	APR. 2	16.54
MAY 2	16.27	MAR. 30, 1953	12.94	APR. 27	18.20	MAY 5	16.56
JUNE 24	8.12	APR. 13, 1954	15.96	MAR. 7, 1967	18.47	JUNE 2	10.56
DEC. 16	13.52	DEC. 6	12.90	MAR. 15	18.36	JULY 2	3.63
MAR. 13, 1941	16.70	APR. 8, 1955	17.80				

(A-12-1)3BBB-2
ALTITUDE OF LAND SURFACE 4508 FEET.

HIGHEST WATER LEVEL 0.02 BELOW LSD, AUG. 5, 1937,
LOWEST WATER LEVEL 15.25 BELOW LSD, FEB. 28, 1945.
RECORDS AVAILABLE 1936-60.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1936	1.75	JUNE 1, 1939	10.56	FEB. 28, 1945	15.25	DEC. 8, 1949	7.81
DEC. 13	6.98	AUG. 7	9.17	DEC. 5	8.10	MAR. 28, 1950	13.21
JAN. 5, 1937	8.78	OCT. 2	8.72	MAR. 19, 1946	13.61	DEC. 14	4.41
JAN. 18	9.70	DEC. 27	12.63	FEB. 17, 1947	10.77	MAR. 27, 1951	12.20
MAR. 13	13.30	FEB. 6, 1940	13.50G	MAR. 31	12.94	OCT. 30	2.60
MAY 13	12.89	MAR. 8	13.52G	MAY 19	13.53	APR. 14, 1952	13.58
AUG. 5	0.02	JUNE 24	8.42	OCT. 27	5.41	OCT. 22	1.68
SEP. 30	3.41	OCT. 10	11.97	DEC. 30	9.75	MAR. 30, 1953	13.63
NOV. 3	5.42	DEC. 16	14.00	JUNE 28, 1948	7.41	DEC. 6, 1954	13.40
DEC. 16	8.46	OCT. 9, 1941	12.82	OCT. 7	2.43	DEC. 13, 1955	10.49
DEC. 26	9.05	DEC. 10	14.63	OCT. 21	3.85	DEC. 17, 1956	8.92
FEB. 9, 1938	12.14	AUG. 22, 1942	11.21	DEC. 30	8.79	DEC. 4, 1957	8.03
JUNE 24	6.85	DEC. 29	12.43	MAR. 8, 1949	12.27	OCT. 15, 1958	4.15
AUG. 19	0.36	DEC. 3, 1943	6.95	MAR. 28	13.53	DEC. 2	8.48
OCT. 14	3.27	APR. 12, 1944	14.9	AUG. 10	2.02	DEC. 21, 1959	12.42
DEC. 9	7.54	DEC. 19	11.87	OCT. 27	4.83	OCT. 25, 1960	11.31
FEB. 8, 1939	12.00						

(A-12-1)3CBD-1
ALTITUDE OF LAND SURFACE 4482 FEET.

HIGHEST WATER LEVEL 7.50 BELOW LSD, MAY 17, 1963,
LOWEST WATER LEVEL 27.60 BELOW LSD, OCT. 6, 1967.
RECORDS AVAILABLE 1962-63, 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 14, 1962	+ 25.4	MAR. 18, 1966	+ 14.0	FEB. 12, 1968	+ 16.35	NOV. 6, 1968	+ 24.2
DEC. 10	+ 18.4	MAY 25	+ 14.0	MAR. 4	+ 15.0	DEC. 2	+ 20.4
JAN. 16, 1963	+ 14.0	DEC. 21	+ 17.10	APR. 1	+ 13.8	JAN. 6, 1969	+ 18.5
FEB. 13	+ 13.3	MAR. 15, 1967	+ 11.9	MAY 6	+ 13.1	FEB. 3	+ 16.4
MAR. 28	+ 10.7	AUG. 30	+ 26.4	JUNE 3	+ 17.5	MAR. 3	+ 15.2
APR. 25	+ 9.0	OCT. 6	+ 27.6	JULY 5	+ 20.3	APR. 1	+ 14.1
MAY 17	+ 7.5	NOV. 6	+ 25.2	AUG. 5	+ 26.4	MAY 5	+ 13.6
JUNE 11	+ 12.5	DEC. 6	+ 22.3	SEP. 3	+ 27.3	JUNE 2	+ 17.4
JULY 15	+ 20.1	JAN. 11, 1968	+ 19.00	OCT. 1	+ 27.1	JULY 1	+ 25.00
APR. 2, 1965	+ 11.1						

(A-12-1)16CAC-2
ALTITUDE OF LAND SURFACE 4454 FEET.

HIGHEST WATER LEVEL 21.90 BELOW LSD, DEC. 4, 1943,
LOWEST WATER LEVEL 47.10 BELOW LSD, SEP. 30, 1937, NOV. 3, 1937.
RECORDS AVAILABLE 1935-44, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1935	+ 35.8	AUG. 5, 1937	+ 46.2	AUG. 7, 1939	+ 42.6	OCT. 9, 1941	+ 35.6
NOV. 1	+ 39.2	SEP. 30	+ 47.1	OCT. 2	+ 40.6	OCT. 10	+ 37.9 G
DEC. 6	+ 39.3	NOV. 3	+ 47.1	DEC. 27	+ 40.35	DEC. 9	+ 36.9 G
MAR. 5, 1936	+ 38.2	DEC. 15	+ 45.9	FEB. 6, 1940	+ 39.4 G	DEC. 10	+ 36.9
MAY 10	+ 39.5	FEB. 9, 1938	+ 43.9	MAR. 8	+ 38.85G	JAN. 24, 1942	+ 36.3
JUNE 26	+ 41.35	APR. 19	+ 41.9	APR. 3	+ 38.7 G	MAR. 4	+ 35.9
AUG. 14	+ 46.5	JUNE 24	+ 44.4	MAY 3	+ 38.1 G	DEC. 29	+ 39.6
OCT. 12	+ 46.35	AUG. 19	+ 46.4	JUNE 24	+ 39.5	MAR. 5, 1943	+ 37.5
DEC. 13	+ 45.7	OCT. 14	+ 47.05	OCT. 11	+ 39.8	DEC. 4	+ 21.9
JAN. 18, 1937	+ 44.6	DEC. 9	+ 46.60	DEC. 17	+ 40.2	APR. 12, 1944	+ 22.0
MAR. 13	+ 42.6	FEB. 8, 1939	+ 44.1	MAR. 12, 1941	+ 38.7	NOV. 1, 1967	+ 27.0
MAY 13	+ 41.4	APR. 5	+ 41.8				

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-12-1)17DAA-1
ALTITUDE OF LAND SURFACE 4449 FEET.

HIGHEST WATER LEVEL 12.90 BELOW LSD, JULY 5, 1968,
LOWEST WATER LEVEL 16.20 BELOW LSD, NOV. 8, 1967.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 29, 1967 +	14.3	MAR. 4, 1968 +	16.0	SEP. 3, 1968 +	15.5	MAR. 4, 1969 +	15.5
OCT. 8 +	15.95	APR. 1 +	16.1	OCT. 1 +	14.6	APR. 1 +	14.5
NOV. 8 +	16.2	MAY 7 +	15.0	NOV. 6 +	14.2	MAY 5 +	15.3
DEC. 6 +	15.85	JUNE 4 +	13.6	DEC. 4 +	14.7	JUNE 2 +	13.6
JAN. 17, 1968 +	15.90	JULY 5 +	12.9	JAN. 6, 1969 +	16.0	JULY 2 +	13.9
FEB. 12 +	15.65	AUG. 6 +	15.1	FEB. 3 +	15.3		

(A-12-1)22CCC-2
ALTITUDE OF LAND SURFACE 4517 FEET.

HIGHEST WATER LEVEL 16.10 BELOW LSD, NOV. 8, 1967,
LOWEST WATER LEVEL 22.85 BELOW LSD, FEB. 28, 1967.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 16, 1966	20.5	JAN. 11, 1968	18.92	AUG. 5, 1968	19.02	FEB. 3, 1969	20.62
JULY 27	19.5	FEB. 7	19.78	SEP. 3	17.89	MAR. 3	20.49
DEC. 15	20.8	MAR. 4	20.8	OCT. 1	17.92	APR. 1	21.20
FEB. 28, 1967	22.85	APR. 3	21.52	NOV. 6	17.42	MAY 5	21.45
OCT. 6	16.3	MAY 6	21.88	DEC. 2	17.68	JUNE 2	20.80
NOV. 8	16.1	JUNE 4	21.19	JAN. 6, 1969	18.86	JULY 1	19.18
DEC. 6	17.1	JULY 5	20.44				

(A-12-1)29CAB-1.
ALTITUDE OF LAND SURFACE 4442 FEET.

HIGHEST WATER LEVEL 2.04 BELOW LSD, NOV. 5, 1949.
LOWEST WATER LEVEL 22.90 BELOW LSD, SEP. 25, 1950.
RECORDS AVAILABLE 1940-69.

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
						1940						
5	.....	.....	.....	.....	.....	.....	.....	.....	14.4	13.9	14.3	14.2
10	.....	.....	.....	.....	.....	.....	.....	.....	14.4	13.8	14.2	14.5
15	.....	.....	.....	.....	.....	.....	.....	.....	14.1	14.2	14.3	14.3
20	.....	.....	.....	.....	.....	.....	.....	.....	14.1	14.2	14.6	14.2
25	.....	.....	.....	.....	.....	.....	.....	14.5	13.8	14.3	14.3	14.4
EOM	.....	.....	.....	.....	.....	.....	.....	14.2	14.0	14.0	14.4	14.5
						1941						
5	14.1	14.0	14.1	14.5	14.2	14.5	15.9	15.6	15.5	15.8	15.5	15.4
10	14.1	14.3	14.0	14.4	14.8	14.6	15.5	15.2	15.4	15.8	15.6	14.8
15	14.6	13.9	14.1	14.5	14.4	15.6	15.5	15.4	15.7	16.0	15.6	15.4
20	14.2	13.7	14.3	14.5	14.6	15.9	15.5	15.5	15.6	15.6	15.3	15.2
25	14.1	14.	14.5	14.5	15.0	15.5	.....	15.5	15.5	15.5	15.4	15.1
EOM	14.1	13.8	14.5	14.3	15.2	15.5	15.9	15.4	15.6	15.5	15.2	15.0
						1942						
5	.....	15.3	.....	15.5	14.8	16.1	16.9	17.1	16.9	17.2	17.4	16.9
10	.....	15.4	.....	15.1	14.9	16.0	17.1	17.3	17.0	17.0	17.1	16.6
15	.....	.....	.....	15.0	15.1	16.0	17.2	17.2	18.0	16.9	17.3	16.7
20	.....	.....	.....	15.5	15.5	16.3	17.2	17.1	17.2	17.3	16.9	16.6
25	.....	.....	15.2	15.0	15.6	16.7	17.4	17.2	17.5	17.3	17.0	16.9
EOM	15.2	.....	15.2	15.3	15.7	17.0	17.3	17.1	17.7	17.5	17.0	16.7
						1943						
5	17.2	.....	15.6	15.3	14.7	15.8	16.4	17.6	18.1	18.1	17.7	17.1
10	16.7	.....	14.7	14.4	15.4	16.4	16.8	17.9	18.2	18.3	17.7	18.2
15	17.4	16.7	14.7	15.3	15.1	15.6	16.9	17.8	18.2	18.0	17.7	18.7
20	17.0	16.1	14.6	15.4	15.5	16.4	17.2	17.9	17.9	17.9	17.7	18.2
25	17.1	15.9	15.1	15.3	15.3	16.6	16.9	17.9	17.9	.....	17.1	18.2
EOM	17.1	16.2	15.2	15.5	14.9	16.7	17.2	18.1	18.3	17.7	.....	.....
						1944						
5	17.7	17.3	17.1	17.1	16.7	17.0	17.6	17.7	17.4	17.2	18.1	.....
10	17.3	17.8	17.1	17.0	16.5	17.3	17.3	17.6	17.5	17.1	18.1	.....
15	17.3	17.5	17.0	16.7	16.7	17.5	17.8	17.8	17.4	17.4	18.2	.....
20	18.5	18.4	17.0	16.7	16.7	17.3	17.7	.....	17.5	17.4	18.1	16.7
25	18.1	17.2	16.9	16.6	17.0	17.3	17.6	.....	17.8	.....	.....	16.5
EOM	17.5	17.3	17.0	16.8	16.8	17.5	.....	17.5	17.6	18.0	.....	17.1
						1945						
5	.....	18.1	17.2	16.6	.....	16.6	17.4	18.2	.....	19.1	19.7	19.3
10	.....	16.7	17.0	16.6	16.5	16.9	17.7	18.4	.....	19.2	19.4	19.0
15	16.5	16.7	16.9	16.5	16.3	17.0	17.5	18.7	.....	19.3	20.2	19.0
20	17.4	16.8	16.7	16.7	16.4	17.2	17.4	18.5	.....	19.0	19.4	19.7
25	16.7	17.0	16.7	16.3	17.7	17.2	17.6	.....	.....	19.1	19.4	19.0
EOM	16.4	17.1	16.6	.....	16.7	17.5	18.3	.....	18.9	19.3	.....	18.7

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-12-1)29CAB-1, continued

						1946						
5	18.8	15.9	.....	17.7	17.9	18.7	.....	.....	.....	.....	21.9	21.8
10	19.6	.....	.....	17.8	.....	18.5	.....	.....	20.5	20.4	21.9	21.4
15	18.9	.....	.....	18.0	18.3	18.7	.....	20.8	20.5	20.5	22.0	.....
20	19.1	.....	18.3	.....	18.7	19.1	.....	20.6	20.4	20.6	22.0	.....
25	18.5	.....	18.1	18.4	18.3	19.1	19.8	20.6	20.3	.....	21.8	.....
EOM	18.8	.....	18.0	18.0	18.2	.....	19.8	20.3	20.5	20.5	.....	.....
						1947						
5	.....	.....	.....	19.6	.....	19.8	.....	.....	.....	21.6	21.6	.....
10	.....	.....	.....	.....	.....	19.9	.....	.....	.....	21.5	.....	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	21.2	21.7	.....
20	.....	18.6	.....	.....	20.0	.....	.....	.....	.....	21.9	.....	.....
25	.....	18.4	.....	.....	19.4	.....	.....	.....	.....	21.8	.....	.....
EOM	.....	.....	.....	.....	19.8	.....	.....	.....	.....	21.5	.....	21.3
						1948						
5	20.9	21.2	.....	17.6	.....	.....	.....	.....	.....	.....	21.2	19.9
10	.....	.....	.....	17.7	.....	.....	.....	.....	.....	.....	20.9	20.0
15	.....	.....	.....	.....	17.6	.....	.....	.....	.....	.....	21.0	19.3
20	.....	.....	.....	.....	17.4	.....	.....	.....	19.9	21.2	20.7	19.3
25	.....	.....	.....	.....	.....	.....	.....	.....	20.1	21.3	20.7	19.2
EOM	21.5	.....	18.2	.....	.....	.....	.....	.....	20.2	21.1	20.0	19.4
						1949						
5	18.8	18.6	.....	18.5	18.0	18.6	19.2	20.3	20.8	20.5	20.4	20.2
10	19.0	18.7	18.3	18.4	17.6	18.8	20.1	20.5	20.5	20.5	20.2	20.0
15	19.0	18.5	18.3	18.0	17.7	18.5	19.6	20.5	20.6	20.2	19.8	20.2
20	18.8	18.3	18.2	17.9	18.3	18.8	19.8	20.4	20.1	19.8	20.3	19.9
25	18.6	18.3	18.4	17.8	18.3	18.7	20.2	20.2	20.5	19.8	19.9	20.0
EOM	18.7	.....	18.5	17.4	18.6	18.9	20.3	20.1	20.4	20.0	20.2	19.6
						1950						
5	19.6	19.0	19.2	19.3	19.1	19.5	21.5	22.2	22.8	22.5	21.9	21.3
10	19.5	19.1	19.2	19.3	19.0	20.0	21.5	22.3	22.4	22.6	22.0	21.2
15	19.3	18.9	19.1	19.2	19.3	20.4	21.8	22.3	22.5	22.2	21.8	21.2
20	19.3	19.4	19.5	19.5	.....	20.5	21.9	22.5	22.5	22.2	21.9	20.9
25	19.4	19.2	19.4	19.4	19.5	20.4	22.0	22.3	22.9	22.1	21.6	21.0
EOM	19.2	19.4	19.5	19.1	19.7	20.9	22.2	22.5	22.4	22.2	21.6	20.9
						1951						
5	19.3	19.6	19.4	19.1	19.2	19.7	20.0	21.5	20.7	.....	21.7	20.9
10	18.8	19.4	19.2	19.2	19.4	19.7	20.3	21.6	21.7	.....	21.6	20.8
15	19.8	19.3	19.4	19.3	19.1	20.2	21.0	21.9	21.7	.....	.....	20.6
20	19.5	19.2	19.3	19.1	19.2	20.2	20.8	21.7	20.9	.....	21.4	20.5
25	19.4	19.4	19.2	18.9	19.5	20.2	21.3	21.7	.....	.....	21.3	20.4
EOM	19.2	19.1	19.1	19.3	19.7	20.3	21.6	22.4	.....	21.7	21.2	20.4
						1952						
5	19.8	19.4	18.6	18.4	18.3	18.6	20.0	21.1	21.6	.....	.....	21.3
10	19.9	19.2	18.7	18.2	17.9	18.9	19.6	20.9	.....	.....	.....	21.0
15	20.0	19.1	18.5	18.0	.....	19.1	20.1	.....	.....	.....	.....	20.7
20	19.8	19.0	18.5	18.0	18.0	19.1	20.3	.....	.....	.....	.....	20.5
25	19.6	19.0	18.4	18.1	18.2	19.2	.....	.....	.....	21.6	21.4	.....
EOM	19.4	18.9	18.4	18.2	18.3	19.6	.....	21.5	.....	.....	21.4	20.4
						1953						
5	19.7	19.0	18.8	.....	.....	17.6	17.9	19.1	.....	.....	19.3	.....
10	19.5	19.0	18.8	.....	.....	17.7	17.9	.....	.....	.....	.....	.....
15	19.4	19.0	18.6	.....	.....	17.8	18.1	.....	.....	.....	.....	.....
20	19.3	.....	.....	.....	17.6	17.7	18.7	.....	.....	.....	.....	.....
25	19.4	.....	.....	.....	17.5	17.7	.....	.....	.....	.....	.....	.....
EOM	19.1	18.9	18.2	.....	17.5	.....	19.0	.....	.....	.....	.....	.....
						1954						
5	.....	.....	.....	.....	18.1	18.7	19.3	19.1	18.2	18.7	18.8	18.8
10	.....	.....	.....	.....	18.2	18.7	19.1	18.9	18.4	.....	19.0	18.8
15	.....	.....	.....	18.2	18.2	19.1	18.9	18.5	18.4	18.7	18.8	18.6
20	.....	.....	.....	18.3	18.2	19.0	19.3	18.5	18.5	18.7	18.9	18.6
25	.....	.....	.....	18.3	18.5	18.9	19.3	18.4	18.6	18.8	19.1	18.5
EOM	.....	.....	.....	18.1	18.6	19.4	18.9	18.5	18.7	19.1	19.0	.....
						1955						
5	17.8	17.6	17.5	17.2	17.1	17.1	17.6	18.1	18.3	18.3	18.5	18.4
10	17.7	17.5	17.2	17.3	16.6	17.1	17.7	18.2	17.8	18.6	18.5	18.5
15	17.6	17.4	17.2	17.3	16.4	17.1	18.0	18.2	18.0	18.5	18.3	18.5
20	17.7	17.7	17.4	17.3	16.3	17.0	18.1	18.0	18.2	18.6	18.4	18.2
25	17.7	17.5	17.3	17.0	17.0	17.3	.....	18.1	18.2	18.5	18.3	18.4
EOM	17.5	17.5	17.3	17.3	17.0	17.6	18.2	18.1	.....	18.3	18.4	18.1
						1956						
5	18.2	18.0	18.1	18.2	18.4	18.9	19.4	.....	20.1	20.3	20.0	19.4
10	18.2	18.1	.....	17.4	18.1	19.1	19.8	21.1	20.1	20.2	19.9	19.0
15	18.2	18.0	.....	17.9	.....	19.0	19.8	20.8	20.2	20.1	19.8	19.1
20	18.1	18.0	.....	17.9	18.2	19.4	19.7	20.8	20.1	20.4	19.7	18.9
25	18.1	18.1	17.7	17.9	18.2	19.7	.....	.....	20.0	20.4	19.7	18.6
EOM	18.1	18.2	17.8	18.2	18.4	19.3	.....	21.0	19.9	20.3	19.6	18.7

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-12-1)29CAB-1, continued

						1957						
5	18.5	17.6	17.4	17.1	17.3	17.5	18.5	19.9	20.4	20.1	20.2	20.1
10	18.4	17.7	17.6	17.2	16.6	17.5	18.7	.....	20.4	20.4	20.2	19.5
15	18.3	17.6	17.5	17.2	16.8	17.9	.....	.....	20.2	20.2	19.9	19.5
20	18.2	17.7	17.5	.....	16.7	18.2	19.2	20.1	20.0	20.6	19.9	19.2
25	18.0	17.5	17.5	17.0	16.7	17.8	19.4	20.2	20.3	20.5	19.6	19.2
EOM	18.0	17.5	17.3	17.0	17.3	18.2	19.7	20.4	20.5	20.4	19.9	19.0
						1958						
5	20.0	19.6	19.3	18.9	18.8	19.1	20.2	20.7	21.0	20.6	20.5	21.0
10	20.3	19.5	19.3	18.8	18.5	19.2	20.2	.....	21.0	20.8	20.4	20.9
15	20.1	19.6	19.2	18.7	18.4	19.3	.....	20.8	20.8	20.8	20.3	21.2
20	19.7	19.4	19.1	18.8	18.3	19.3	20.5	21.1	20.8	20.6	20.3	21.0
25	19.6	19.3	18.9	18.6	18.5	19.5	.....	20.9	20.8	20.6	19.9	21.1
EOM	19.6	19.2	.....	18.6	18.4	19.7	20.8	21.0	20.8	20.4	.....	.....
						1959						
5	.....	.....	18.3	18.1	18.1	18.4	19.5	19.4	19.0	19.0	19.0	.....
10	.....	.....	18.6	18.4	18.1	18.9	19.3	19.3	19.1	18.8	19.3	.....
15	.....	.....	.....	18.2	18.4	18.7	19.3	19.2	18.7	18.9	19.2	.....
20	.....	.....	.....	17.8	18.5	18.6	19.5	18.4	18.4	19.1	19.1	.....
25	.....	19.4	18.2	18.0	18.3	18.4	19.3	.....	18.7	19.2	19.3	.....
EOM	.....	19.1	18.3	18.0	18.4	19.4	.....	.....	18.6	18.9	19.1	.....
						1960						
5	.....	19.3	18.9	18.7	18.7	19.4	20.3	19.5	19.9	20.0	20.4	20.4
10	.....	19.1	19.0	18.7	18.7	19.9	19.8	19.9	19.9	20.3	20.3	20.2
15	19.4	19.2	18.9	18.7	18.7	19.7	19.7	20.1	19.5	20.2	20.4	20.4
20	19.5	19.2	18.8	18.7	18.7	19.9	20.0	19.5	19.6	20.2	20.4	20.3
25	19.5	19.0	18.9	18.7	18.9	20.1	20.0	19.5	19.7	20.2	20.3	20.2
EOM	19.3	19.3	19.0	18.5	19.2	19.9	19.9	19.6	19.9	20.4	.....	20.1
						1961						
5	20.2	19.7	19.3	18.5	18.1	19.0	18.7	18.2	18.2	19.0	19.4	18.9
10	20.1	19.5	19.3	18.5	18.3	18.6	19.0	18.5	17.9	19.0	19.6	19.0
15	19.7	19.6	19.4	18.3	18.2	18.8	18.5	18.5	17.9	19.4	19.5	19.2
20	19.9	19.5	19.3	18.2	18.2	19.0	18.6	18.5	18.2	19.2	19.4	19.0
25	19.9	19.4	19.2	18.3	18.2	19.0	18.7	18.5	18.6	19.6	.....	18.0
EOM	19.9	19.5	18.9	18.1	18.6	19.2	18.1	18.5	18.9	19.5	19.3	18.7
						1962						
5	18.9	19.4	19.0	18.8	18.9	19.4	19.6	19.8	19.6	19.0	19.5	19.7
10	19.0	19.6	18.7	18.8	18.9	19.5	19.4	19.5	19.6	19.5	19.4	18.8
15	19.0	19.2	18.9	18.7	18.8	19.4	19.8	20.3	19.5	19.6	19.6	19.3
20	19.3	19.0	19.1	18.7	19.1	19.7	19.7	19.8	19.3	19.5	19.6	19.2
25	19.6	18.9	19.1	18.9	18.9	19.7	20.4	19.8	19.6	19.7	19.6	19.3
EOM	19.1	18.9	18.9	18.9	19.2	19.0	19.9	19.8	19.1	19.4	19.6	19.0
						1963						
5	19.0	18.2	18.4	17.6	17.7	18.3	.....	18.4	17.6	.....	19.2	19.2
10	18.9	18.3	18.3	17.6	18.1	18.4	18.6	17.0	18.5	.....	18.8	19.2
15	18.4	18.4	18.2	18.3	18.3	18.7	18.5	18.0	19.0	19.3	19.2	19.0
20	18.7	18.4	18.2	18.1	18.4	18.7	18.6	18.1	18.9	19.3	19.2	19.0
25	18.5	18.4	18.1	.....	18.4	19.2	18.5	17.9	19.1	19.4	18.8	19.0
EOM	18.3	18.3	18.0	18.1	18.0	19.2	18.6	17.6	19.2	19.1	18.9	18.6
						1964						
5	19.0	18.6	18.1	17.5	17.5	17.9	19.0	19.3	20.2	.....	19.6	.....
10	18.7	18.5	17.9	17.4	17.4	18.4	18.8	19.2	19.4	.....	.....	19.5
15	18.9	18.6	17.7	17.5	17.6	18.8	18.8	19.4	.....	19.4	19.6	19.7
20	18.7	18.6	17.5	17.4	17.8	17.7	18.7	19.7	19.8	19.3	19.6	19.7
25	18.4	18.2	17.5	17.4	17.6	18.8	19.0	19.4	20.1	19.8	19.5	19.3
EOM	18.4	18.3	17.4	17.5	17.8	18.9	19.1	19.7	20.0	19.7	19.4	19.5
						1965						
5	19.2	18.7	18.6	18.6	18.7	19.1	19.8	19.9	21.9	21.5	.....	.....
10	19.1	18.5	18.7	18.7	18.6	19.0	20.0	.....	22.0	.....	21.2	21.0
15	18.9	19.1	18.7	18.7	18.5	19.6	20.0	.....	22.0	.....	21.0	21.0
20	19.2	18.7	18.6	18.4	18.5	19.8	20.0	.....	22.0	21.5	21.0	20.8
25	19.2	18.5	18.8	18.4	.....	19.8	20.3	21.4	21.5	21.4	20.8	21.0
EOM	18.9	18.7	18.5	18.5	18.7	20.1	19.9	21.9	21.5	21.4	21.0	20.5
						1966						
5	19.2	20.0	19.2	19.0	18.2	18.7	19.7	19.3	19.0	19.8	19.3	18.3
10	19.3	19.7	19.3	18.5	18.5	18.9	19.9	19.2	19.8	19.4	19.0	18.3
15	19.2	20.0	19.4	18.3	18.4	19.0	19.8	19.1	19.3	19.5	18.7	18.5
20	19.9	19.8	19.2	18.0	18.3	19.1	19.4	19.1	19.9	19.6	18.7	18.4
25	19.7	19.5	19.0	18.1	18.5	19.5	19.5	19.0	19.7	19.5	18.6	18.3
EOM	20.2	19.4	18.7	18.2	18.6	19.3	19.4	18.9	19.8	19.4	18.5	18.2
						1967						
5	.....	17.9	17.9	.....	17.7	.....	.....	.....	19.5	.....	.....	.....
10	18.2	18.0	17.7	17.7	.....	.....	18.8	20.2	19.5	20.5	.....	19.7
15	.....	.....	17.9	17.5	.....	.....	19.0	20.4	20.5	20.8	.....	.....
20	18.2	18.0	.....	.....	17.9	18.5	.....	.....	.....	21.0	.....	.....
25	18.0	17.9	17.6	.....	17.9	18.7	.....	19.7	.....	20.5	19.8	.....
EOM	.....	17.8	17.2	.....	.....	18.7	.....	19.5	.....	.....	20.0	.....

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-12-1)29CAB-1, continued

1968

5	18.8	18.0	17.3	17.4	17.5	.....	.....	.....	.....	.....	19.9	19.7
10	18.8	.....	17.2	17.8	.....	.....	17.5	.....	19.2	19.6	.....	19.6
15	.....	.....	17.3	17.6	.....	18.3	.....	.....	19.4	20.0	.....	19.7
20	.....	17.8	17.4	17.5	.....	18.2	.....	.....	19.5	.....	19.5	20.2
25	.....	17.5	17.2	17.5	17.8	18.0	17.8	18.8	.....	.....	19.8	.....
EOM	.....	.....	17.2	17.8	.....	17.6	.....	19.4	.....	20.0	19.8	19.7

1969

5	19.5	15.0	18.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	20.0	18.0	17.5	17.8	.....	16.8	.....	.....	.....	.....	.....	.....
15	.....	18.0	17.5	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	17.5	17.5	17.6	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	17.5	.....	17.3	.....	.....	.....	.....	.....	.....	.....	.....
EOM	.....	17.5	17.3	.....	.....	.....	.....	.....	.....	.....	.....	.....

(A-12-1)31DAB-1
ALTITUDE OF LAND SURFACE 4433 FEET.

HIGHEST WATER LEVEL 25.90 BELOW LSD, SEP. 6, 1967.
LOWEST WATER LEVEL 42.40 BELOW LSD, OCT. 23, 1952.
RECORDS AVAILABLE 1936-47, 1949-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1936 +	32.0	MAR. 13, 1941 +	35.1	DEC. 8, 1949 +	38.2	MAR. 31, 1965 +	31.4
DEC. 14 +	34.2	APR. 4 +	34.7 G	MAR. 30, 1950 +	36.8	DEC. 15 +	33.1
JAN. 18, 1937 +	34.0	OCT. 7 +	29.8	DEC. 15 +	39.7	MAR. 17, 1966 +	31.0
MAR. 12 +	33.6	DEC. 10 +	33.9	MAR. 28, 1951 +	37.9	DEC. 20 +	29.3
MAY 13 +	33.1	DEC. 12 +	34.0 G	OCT. 31 +	40.0	SEP. 6, 1967 +	25.9
AUG. 6 +	31.6	DEC. 16 +	34.0 G	APR. 14, 1952 +	36.5	OCT. 6 +	31.2
SEP. 30 +	27.4	JAN. 19, 1942 +	34.0 G	OCT. 23 +	42.4	NOV. 8 +	29.3
NOV. 3 +	33.1	JAN. 28 +	34.1 G	MAR. 30, 1953 +	38.1	DEC. 6 +	32.35
DEC. 15 +	38.7	MAR. 3 +	34.3	APR. 13, 1954 +	36.1	JAN. 11, 1968 +	32.3
FEB. 9, 1938 +	38.55	MAR. 4 +	34.0	DEC. 7 +	35.2	FEB. 12 +	31.7
APR. 19 +	37.1	APR. 2 +	33.5	APR. 8, 1955 +	35.3	MAR. 4 +	31.0
JUNE 24 +	32.3	AUG. 22 +	29.5	DEC. 13 +	35.9	APR. 1 +	31.5
AUG. 19 +	32.5	DEC. 29 +	33.2	APR. 3, 1956 +	36.3	MAY 7 +	31.4
OCT. 13 +	33.5	MAR. 6, 1943 +	34.5	MAR. 27, 1957 +	35.7	JUNE 4 +	30.9
DEC. 10 +	38.6	APR. 6 +	33.4	DEC. 5 +	38.0	JULY 5 +	30.5
FEB. 7, 1939 +	37.7	APR. 15 +	33.5	MAR. 19, 1958 +	35.9	AUG. 6 +	30.8
APR. 5 +	36.4	APR. 22 +	33.7	DEC. 3 +	37.3	SEP. 3 +	31.8
MAY 31 +	34.0	DEC. 4 +	35.8	MAR. 24, 1959 +	34.7	OCT. 1 +	32.3
AUG. 8 +	32.9	APR. 13, 1944 +	35.1	DEC. 22	33.6	NOV. 6 +	33.0
SEP. 30 +	35.0	DEC. 19 +	35.7	MAR. 29, 1960	32.8	DEC. 3 +	33.1
DEC. 28 +	36.3	MAR. 1, 1945 +	35.1	OCT. 25 +	33.1	JAN. 6, 1969 +	32.3
FEB. 6, 1940 +	35.7 G	DEC. 6 +	37.3	APR. 11, 1961 +	32.6	FEB. 4 +	31.9
MAR. 9 +	36.0 G	MAR. 20, 1946 +	35.8	JAN. 8, 1962 +	32.2	MAR. 3 +	31.3
APR. 1 +	35.9 G	DEC. 10 +	38.3	DEC. 19 +	32.3	APR. 1 +	31.1
MAY 1 +	35.3 G	APR. 1, 1947 +	37.1	MAR. 6, 1963 +	31.0	MAY 6 +	30.5
JUNE 25 +	27.9	DEC. 30 +	36.9	DEC. 4 +	30.8	JUNE 2 +	30.0
DEC. 17 +	32.0	MAR. 28, 1949 +	34.4	MAR. 12, 1964 +	29.4	JULY 1 +	32.4
MAR. 11, 1941 +	35.0 G	AUG. 8 +	36.7	DEC. 17 +	31.2		

(A-12-1)32DBA-1
ALTITUDE OF LAND SURFACE 4450 FEET.

HIGHEST WATER LEVEL 14.30 BELOW LSD, MAY 5, 1969, JUNE 2, 1969.
LOWEST WATER LEVEL 18.70 BELOW LSD, NOV. 8, 1967.
RECORDS AVAILABLE 1962-63, 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 7, 1962 +	17.9	MAR. 18, 1966 +	16.7	JAN. 11, 1968 +	16.6	OCT. 1, 1968 +	16.3
DEC. 11 +	18.4	MAY 3 +	16.0	FEB. 12 +	15.60	DEC. 3 +	16.8
JAN. 16, 1963 +	17.8	JUNE 22 +	15.9	MAR. 4 +	16.1	JAN. 6, 1969 +	15.8
FEB. 13 +	17.1	DEC. 20 +	16.08	APR. 1 +	15.8	FEB. 4 +	15.6
MAR. 28 +	16.9	MAR. 16, 1967 +	15.2	MAY 3 +	15.4	MAR. 3 +	15.3
APR. 25 +	16.6	SEP. 6 +	16.9	JUNE 4 +	15.7	APR. 1 +	14.9
MAY 17 +	16.1	OCT. 6 +	17.85	JULY 5 +	14.5	MAY 5 +	14.3
JUNE 11 +	16.7	NOV. 8 +	18.7	AUG. 5 +	14.9	JUNE 2 +	14.3
JULY 15 +	16.1	DEC. 6 +	17.9	SEP. 3 +	16.6	JULY 1 +	14.8

(A-12-1)34CCC-1
ALTITUDE OF LAND SURFACE 4528 FEET.

HIGHEST WATER LEVEL 31.10 BELOW LSD, NOV. 6, 1967.
LOWEST WATER LEVEL 37.05 BELOW LSD, MAY 24, 1967.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1966	35.9	OCT. 5, 1967	31.4	JUNE 3, 1968	35.73	JAN. 6, 1969	32.87
JUNE 9	35.6	NOV. 6	31.1	JULY 3	34.55	FEB. 4	33.70
AUG. 24	35.6	DEC. 6	31.61	AUG. 6	35.16	MAR. 4	34.27
DEC. 8	34.6	JAN. 10, 1968	32.58	SEP. 4	33.10	APR. 10	34.90
FEB. 27, 1967	36.5	FEB. 7	33.68	OCT. 2	32.68	MAY 6	35.46
MAY 24	37.05	MAR. 4	34.28	NOV. 7	31.59	JUNE 3	35.54
AUG. 8	33.17	APR. 3	35.64	DEC. 2	32.03	JULY 2	33.81
AUG. 30	33.17	MAY 6	36.80				

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-13-1)20ACC-3
ALTITUDE OF LAND SURFACE 4462 FEET.

HIGHEST WATER LEVEL 18.40 BELOW LSD, MAR. 30, 1942.
LOWEST WATER LEVEL 32.00 BELOW LSD, AUG. 14, 1936.
RECORDS AVAILABLE 1935-43, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1935	+ 23.2	DEC. 16, 1937	+ 26.4	DEC. 27, 1939	+ 23.2	JAN. 22, 1942	+ 19.40
MAR. 5, 1936	+ 21.64	FEB. 9, 1938	+ 23.7	FEB. 5, 1940	+ 21.8 G	MAR. 10	+ 18.6
MAY 10	+ 22.85	APR. 19	+ 22.2	MAR. 8	+ 20.95G	MAR. 30	+ 18.4
JUNE 26	+ 27.8	JUNE 24	+ 26.8	APR. 2	+ 20.5 G	APR. 8	+ 19.0
AUG. 14	+ 32.0	AUG. 19	+ 30.4	MAY 2	+ 20.6 G	APR. 13	+ 19.0
OCT. 12	+ 29.8	OCT. 14	+ 29.0	JUNE 24	+ 20.3	APR. 18	+ 18.6
DEC. 13	+ 27.25	DEC. 9	+ 26.8	OCT. 10	+ 22.7	APR. 9, 1943	+ 19.60
MAY 13, 1937	+ 24.0	APR. 5, 1939	+ 22.0	SEP. 18, 1941	23.4	APR. 20	+ 19.60
AUG. 5	+ 30.1	JUNE 1	+ 25.5	OCT. 30	21.90	APR. 28	+ 20.10
SEP. 30	+ 27.8	AUG. 7	+ 27.0	NOV. 14	21.60	AUG. 28, 1967	+ 23.4
NOV. 3	+ 27.8	OCT. 2	+ 25.1	DEC. 2	+ 21.20		

(A-13-1)29ADC-1
ALTITUDE OF LAND SURFACE 4488 FEET.

HIGHEST WATER LEVEL 0.02 BELOW LSD, NOV. 1, 1935.
LOWEST WATER LEVEL 9.90 BELOW LSD, AUG. 14, 1936.
RECORDS AVAILABLE 1935-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1935	+ 1.17	APR. 2, 1940	3.90	MAR. 28, 1950	1.39	OCT. 29, 1964	1.75
NOV. 1	+ 0.02	MAY 2	3.67	DEC. 14	+ 4.50	MAR. 31, 1965	6.93
DEC. 6	0.88	JUNE 24	+ 1.77	MAR. 28, 1951	0.48	JULY 29	+ 4.7
MAR. 5, 1936	3.57	OCT. 18	0.54	OCT. 30	+ 6.3	DEC. 15	0.35
MAY 10	1.25	DEC. 16	1.90	APR. 14, 1952	0.40	MAR. 17, 1966	5.60
JUNE 26	+ 6.3	MAR. 13, 1941	2.42	OCT. 22	+ 6.0	MAR. 14, 1967	7.90
AUG. 14	+ 9.9	OCT. 9	1.71	MAR. 30, 1953	2.35	SEP. 5	0.70
OCT. 12	+ 6.7	DEC. 10	3.08	APR. 13, 1954	5.19	OCT. 9	+ 0.80
DEC. 13	+ 3.55	FEB. 20, 1942	5.40	DEC. 6	2.50	NOV. 6	+ 1.43
JAN. 18, 1937	+ 1.53	MAR. 10	7.75	APR. 8, 1955	6.20	DEC. 8	0.9
MAR. 13	1.33	AUG. 22	1.05	DEC. 13	0.75	JAN. 9, 1968	2.70
MAY 13	0.20	DEC. 29	+ 0.4	APR. 3, 1956	3.70	FEB. 12	4.60
AUG. 5	+ 6.90	MAR. 5, 1943	3.12	DEC. 17	+ 0.75	MAR. 1	5.43
SEP. 30	+ 3.95	APR. 9	6.18	MAR. 27, 1957	3.74	APR. 1	5.98
NOV. 3	+ 2.63	APR. 20	6.28	DEC. 4	+ 1.56	MAY 6	6.50
DEC. 16	+ 2.50	DEC. 3	+ 3.35	MAR. 19, 1958	3.57	JUNE 3	1.38
FEB. 9, 1938	0.59	APR. 12, 1944	3.08	OCT. 15	+ 3.8	JULY 5	+ 1.87
APR. 19	2.23	DEC. 19	0.45	DEC. 2	+ 1.14	AUG. 5	+ 2.13
JUNE 24	+ 5.00	FEB. 28, 1945	3.00	MAR. 23, 1959	4.65	SEP. 4	+ 4.55
AUG. 19	+ 8.20	DEC. 6	+ 2.44	DEC. 21	1.20	OCT. 1	+ 3.45
OCT. 14	+ 6.0	MAR. 19, 1946	1.48	MAR. 29, 1960	5.55	NOV. 6	+ 1.71
DEC. 9	+ 3.15	DEC. 9	+ 3.50	OCT. 25	0.64	DEC. 3	0.72
FEB. 8, 1939	0.60	APR. 1, 1947	1.62	APR. 4, 1961	6.25	JAN. 6, 1969	2.93
APR. 5	2.49	MAY 19	0.31	JAN. 8, 1962	5.50	FEB. 3	4.29
JUNE 1	+ 2.07	DEC. 30	1.25	MAY 8	7.02	MAR. 3	5.27
AUG. 7	+ 2.86	APR. 1, 1948	3.05	DEC. 19	1.91	APR. 2	5.72
OCT. 2	+ 2.23	DEC. 30	+ 1.64	MAR. 5, 1963	6.37	MAY 5	5.93
DEC. 27	0.91	MAR. 28, 1949	1.42	DEC. 4	4.14	JUNE 2	0.05
FEB. 5, 1940	2.33	AUG. 10	+ 8.1	MAR. 12, 1964	8.89	JULY 1	+ 4.9
MAR. 8	3.28	DEC. 8	+ 2.58				

(A-14-1)11CCC-1
ALTITUDE OF LAND SURFACE 4516 FEET.

HIGHEST WATER LEVEL 30.77 BELOW LSD, JULY 1, 1969.
LOWEST WATER LEVEL 48.19 BELOW LSD, MAR. 3, 1967.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 7, 1966	44.5	DEC. 11, 1967	45.1	JULY 5, 1968	33.59	FEB. 3, 1969	45.91
DEC. 14	47.7	JAN. 9, 1968	45.90	AUG. 5	35.66	MAR. 3	45.68
MAR. 3, 1967	48.19	FEB. 9	46.46	SEP. 3	38.73	APR. 1	45.80
SEP. 5	37.60	MAR. 5	46.81	OCT. 1	40.79	MAY 5	43.29
OCT. 2	40.43	APR. 1	46.03	NOV. 6	43.4	JUNE 2	37.75
OCT. 6	40.9	MAY 6	44.73	DEC. 3	40.79	JULY 1	30.77
NOV. 6	42.8	JUNE 3	40.70	JAN. 6, 1969	45.90		

(A-14-1)16CCC-1
ALTITUDE OF LAND SURFACE 4503 FEET.

HIGHEST WATER LEVEL 1.20 BELOW LSD, MAR. 3, 1969.
LOWEST WATER LEVEL 4.62 BELOW LSD, JAN. 16, 1963.
RECORDS AVAILABLE 1962-63, 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1962	4.40	SEP. 5, 1967	3.45	JUNE 3, 1968	3.76	JAN. 6, 1969	3.47
DEC. 14	3.90	OCT. 6	3.17	JULY 5	4.46	FEB. 3	3.00
JAN. 16, 1963	4.62	NOV. 6	3.95	AUG. 5	3.41	MAR. 3	1.20
APR. 25	1.87	DEC. 11	4.12	SEP. 3	3.82	APR. 3	2.70
MAY 17	3.23	JAN. 9, 1968	3.80	OCT. 1	3.4	MAY 5	3.55
JUNE 11	2.55	FEB. 9	3.88	NOV. 6	3.35	JUNE 2	2.60
JULY 15	2.91	APR. 1	3.30	DEC. 3	3.35	JULY 1	2.70
MAR. 16, 1967	2.15	MAY 6	3.70				

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-14-1)22BAD-1
ALTITUDE OF LAND SURFACE 4466 FEET.

HIGHEST WATER LEVEL 2.23 BELOW LSD, JAN. 4, 1967,
LOWEST WATER LEVEL 20.60 BELOW LSD, JULY 1, 1969.
RECORDS AVAILABLE 1938-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 19, 1938	+ 12.7	MAR. 25, 1942	+ 6.45	OCT. 30, 1951	+ 8.9	DEC. 15, 1965	+ 6.1
OCT. 14	+ 6.7	APR. 1	+ 7.1	APR. 14, 1952	+ 9.0	MAR. 17, 1966	+ 4.08
DEC. 9	+ 6.8	APR. 2	+ 7.4	OCT. 22	+ 9.4	JAN. 4, 1967	+ 2.23
APR. 5, 1939	+ 6.2	APR. 8	+ 8.05	MAR. 30, 1953	+ 6.58	MAR. 14	+ 2.4
JUNE 1	+ 12.2	APR. 13	+ 9.1	APR. 13, 1954	+ 4.72	OCT. 9	+ 7.75
AUG. 7	+ 6.6	MAY 1	+ 12.5	DEC. 6	+ 3.05	NOV. 6	+ 6.3
OCT. 3	+ 4.26	MAY 5	+ 12.8	APR. 8, 1955	+ 3.8	DEC. 11	+ 4.7
DEC. 27	+ 2.88	MAY 14	+ 13.5	DEC. 13	+ 3.58	JAN. 11, 1968	+ 4.69
FEB. 6, 1940	+ 2.88	AUG. 22	+ 11.2	APR. 3, 1956	+ 7.3	FEB. 9	+ 3.52
MAR. 8	+ 2.9	DEC. 29	+ 6.	DEC. 17	+ 4.3	MAR. 5	+ 3.4
APR. 2	+ 5.5	APR. 13, 1943	+ 10.	MAR. 27, 1957	+ 5.5	APR. 1	+ 5.2
MAY 2	+ 8.5	APR. 20	+ 10.9	DEC. 4	+ 5.7	MAY 6	+ 6.4
JUNE 24	+ 10.3	APR. 28	+ 12.7	MAR. 19, 1958	+ 5.9	JUNE 3	+ 17.9
OCT. 10	+ 3.55	DEC. 3	+ 7.4	OCT. 15	+ 7.5	JULY 5	+ 18.2
DEC. 16	+ 2.5	APR. 12, 1944	+ 6.2	DEC. 2	+ 5.0	AUG. 5	+ 14.5
MAR. 13, 1941	+ 4.68	DEC. 19	+ 6.0	MAR. 23, 1959	+ 4.4	SEP. 3	+ 11.0
MAR. 28	+ 6.72	FEB. 28, 1945	+ 6.0	DEC. 21	+ 4.2	OCT. 1	+ 8.8
SEP. 19	+ 6.5	DEC. 6	+ 8.6	MAR. 29, 1960	+ 5.1	NOV. 6	+ 6.28
OCT. 6	+ 5.44	DEC. 9, 1946	+ 8.9	OCT. 25	+ 4.2	DEC. 3	+ 3.9
OCT. 9	+ 5.15	APR. 1, 1947	+ 10.4	APR. 4, 1961	+ 3.3	JAN. 6, 1969	+ 3.8
OCT. 31	+ 4.58	APR. 1, 1948	+ 6.9	MAY 8, 1962	+ 11.7	FEB. 3	+ 2.78
NOV. 14	+ 4.68	MAR. 28, 1949	+ 7.0	DEC. 19	+ 2.89	MAR. 3	+ 4.6
DEC. 1	+ 3.9	DEC. 8	+ 6.5	MAR. 6, 1963	+ 2.62	APR. 1	+ 5.55
DEC. 10	+ 5.12	MAR. 28, 1950	+ 9.8	OCT. 29, 1964	+ 6.2	MAY 5	+ 8.7
JAN. 20, 1942	+ 5.63	DEC. 14	+ 8.4	MAR. 31, 1965	+ 5.45	JUNE 2	+ 18.2
FEB. 11	+ 6.0	MAR. 27, 1951	+ 9.2	JULY 29	+ 18.8	JULY 1	+ 20.6
MAR. 6	+ 6.2						

(A-14-1)22BBD-2
ALTITUDE OF LAND SURFACE 4447 FEET.

HIGHEST WATER LEVEL 9.40 BELOW LSD, MAR. 13, 1937.
LOWEST WATER LEVEL 35.95 BELOW LSD, JUNE 24, 1938.
RECORDS AVAILABLE 1936-40.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1936	+ 9.6	MAR. 13, 1937	+ 9.4	APR. 19, 1938	+ 19.3	FEB. 6, 1940	+ 17.2 G
MAY 10	+ 12.0	MAY 13	+ 11.8	JUNE 24	+ 35.95	MAR. 8	+ 17.3 G
JUNE 26	+ 17.0	AUG. 5	+ 16.6	OCT. 14	+ 23.3	APR. 2	+ 20.1 G
AUG. 14	+ 14.4	SEP. 30	+ 13.7	DEC. 9	+ 20.85	MAY 2	+ 22.1 G
OCT. 12	+ 11.6	NOV. 2	+ 12.0	AUG. 7, 1939	+ 22.1	JUNE 24	+ 26.7
DEC. 13	+ 10.1	DEC. 16	+ 11.8	OCT. 3	+ 19.5	OCT. 10	+ 19.5
JAN. 18, 1937	+ 9.45	FEB. 9, 1938	+ 17.4	DEC. 27	+ 17.4	DEC. 16	+ 17.7

(A-14-1)26BDA-1
ALTITUDE OF LAND SURFACE 4605 FEET.

HIGHEST WATER LEVEL 23.63 BELOW LSD, JUNE 2, 1969,
LOWEST WATER LEVEL 28.30 BELOW LSD, FEB. 9, 1968.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1967	27.15	JUNE 3, 1968	26.31	NOV. 6, 1968	26.96	MAR. 3, 1969	27.14
JAN. 11, 1968	28.01	JULY 5	26.25	DEC. 3	27.29	APR. 1	26.92
FEB. 9	28.30	AUG. 5	25.33	JAN. 6, 1969	27.64	MAY 5	26.76
MAR. 5	27.76	SEP. 3	26.36	JAN. 24	27.53	JUNE 2	23.63
APR. 1	27.11	OCT. 1	26.83	FEB. 3	27.31	JULY 1	25.97
MAY 6	27.09						

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-14-1)34ADB-1

ALTITUDE OF LAND SURFACE 4544 FEET.

HIGHEST WATER LEVEL 2.95 BELOW LSD, JUNE 26, 1936,
LOWEST WATER LEVEL 18.80 BELOW LSD, DEC. 14, 1966.
RECORDS AVAILABLE 1935-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1935	13.22	DEC. 16, 1940	17.58	APR. 1, 1948	15.79	DEC. 4, 1963	13.98
NOV. 1	16.21	MAR. 12, 1941	11.79G	OCT. 21	14.08	MAR. 12, 1964	15.37
DEC. 6	16.26	MAR. 13	11.68	MAR. 8, 1949	14.6	OCT. 29	12.86
MAR. 6, 1936	12.45	APR. 2	10.27G	MAR. 28	9.15	DEC. 17	13.64
MAY 10	7.42	OCT. 9	12.97	DEC. 8	13.43	MAR. 31, 1965	11.65
JUNE 26	2.95	DEC. 10	15.56	MAR. 28, 1950	7.8	DEC. 15	13.15
AUG. 14	3.6	JAN. 21, 1942	13.98G	DEC. 14	11.62	MAR. 17, 1966	14.16
OCT. 12	11.22	FEB. 16	13.56G	MAR. 27, 1951	9.9	MAY 20	9.0
DEC. 13	14.95	MAR. 25	10.23G	OCT. 30	12.85	DEC. 14	18.8
JAN. 18, 1937	15.41	APR. 7	7.84G	APR. 14, 1952	8.12	MAR. 14, 1967	17.24
MAR. 13	11.87	APR. 8	7.38G	OCT. 22	13.12	SEP. 5	6.85
MAY 13	7.02	APR. 13	7.18G	MAR. 30, 1953	14.	OCT. 9	10.1
AUG. 5	4.3	MAY 1	7.12G	APR. 13, 1954	16.14	NOV. 6	12.15
SEP. 30	11.7	MAY 14	7.61G	DEC. 6	16.38	DEC. 11	13.55
NOV. 3	14.38	AUG. 22	10.93G	APR. 8, 1955	14.35	JAN. 11, 1968	15.37
DEC. 26	14.51	DEC. 29	13.95	DEC. 13	15.35	FEB. 9	16.16
APR. 19, 1938	9.25	MAR. 6, 1943	13.04	APR. 3, 1956	10.38	MAR. 5	14.51
JUNE 24	3.3	APR. 9	10.5	DEC. 17	15.54	APR. 1	10.25
AUG. 18	5.2	APR. 13	10.52	MAR. 27, 1957	12.08	MAY 6	9.14
OCT. 14	13.1	APR. 20	10.62	DEC. 4	15.42	JUNE 3	4.16
DEC. 9	16.02	APR. 28	10.74	MAR. 19, 1958	12.52	JULY 5	14.82
FEB. 8, 1939	16.25	DEC. 3	15.60	OCT. 15	16.79	SEP. 3	6.65
APR. 5	12.02	APR. 12, 1944	13.44	DEC. 2	15.45	OCT. 1	9.03
AUG. 7	10.62	DEC. 19	18.2	MAR. 23, 1959	15.72	NOV. 6	13.3
OCT. 3	14.59	FEB. 28, 1945	16.21	DEC. 21	14.72	DEC. 3	14.7
DEC. 27	17.99	DEC. 6	12.17	MAR. 29, 1960	13.15	JAN. 6, 1969	16.68
AUG. 7	10.62	DEC. 19	18.2	MAR. 23, 1959	15.72	NOV. 6	13.3
OCT. 3	14.59	FEB. 28, 1945	16.21	DEC. 21	14.72	DEC. 3	14.7
DEC. 27	17.99	DEC. 6	12.17	MAR. 29, 1960	13.15	JAN. 6, 1969	16.68
FEB. 6, 1940	17.71G	MAR. 19, 1946	10.1	OCT. 25	16.73	FEB. 3	14.43
MAR. 8	14.28G	DEC. 9	13.13	APR. 4, 1961	14.23	MAR. 3	13.19
APR. 2	12.11G	FEB. 17, 1947	10.3	MAY 8, 1962	12.04	APR. 1	10.40
MAY 2	11.65G	APR. 1	10.72	DEC. 19	14.33	MAY 5	8.11
JUNE 24	3.76	MAY 19	10.7	MAR. 6, 1963	15.18	JULY 1	4.59
OCT. 10	17.07	OCT. 27	14.6				

(A-14-1)34CAC-1

ALTITUDE OF LAND SURFACE 4497 FEET.

HIGHEST WATER LEVEL 9.15 BELOW LSD, OCT. 10, 1940,
LOWEST WATER LEVEL 24.60 BELOW LSD, MAY 14, 1942.
RECORDS AVAILABLE 1936-40, 1942.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1936 +	11.65	AUG. 18, 1938 +	11.0	FEB. 6, 1940 +	14.8 G	FEB. 16, 1942 +	17.2 G
DEC. 13 +	17.45	OCT. 14 +	9.8	MAR. 8 +	17.09G	MAR. 9 +	16.7 G
AUG. 5, 1937 +	16.5	DEC. 9 +	14.15	APR. 2 +	18.7 G	MAR. 25 +	17.6 G
SEP. 30 +	15.1	APR. 5, 1939 +	15.9	MAY 2 +	19.0 G	APR. 1 +	19.9 G
NOV. 3 +	16.4	JUNE 1 +	13.7	JUNE 24 +	13.35	APR. 8 +	21.2 G
DEC. 15 +	18.0	AUG. 7 +	9.7	OCT. 10 +	9.15	APR. 13 +	23.0 G
APR. 19, 1938 +	23.25	OCT. 3 +	9.2	DEC. 16 +	17.7	MAY 14 +	24.6 G
JUNE 24 +	13.5	DEC. 27 +	12.9	JAN. 21, 1942 +	18.6 G		

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(A-14-1)34DCA-1
ALTITUDE OF LAND SURFACE 4520 FEET.

HIGHEST WATER LEVEL 0.10 BELOW LSD, MAY 20, 1966,
LOWEST WATER LEVEL 6.40 BELOW LSD, DEC. 14, 1966.
RECORDS AVAILABLE 1937-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1937	2.98	MAR. 5, 1943	1.81	APR. 13, 1954	4.57	MAY 20, 1966	0.10
APR. 19, 1938	0.90	APR. 9	0.89G	DEC. 6	5.25	DEC. 14	6.40
OCT. 14	4.00	APR. 13	0.94G	APR. 8, 1955	3.70	MAR. 3, 1967	5.56
DEC. 9	4.91	APR. 20	0.98G	DEC. 13	4.47	MAR. 14	4.84
APR. 5, 1939	2.89	APR. 28	1.14G	APR. 3, 1956	1.63	SEP. 18	1.82
JUNE 1	0.18	DEC. 3	3.62	DEC. 17	4.23	OCT. 9	1.2
AUG. 7	3.05	APR. 12, 1944	3.02	MAR. 27, 1957	3.19	NOV. 6	1.60
OCT. 3	5.45	DEC. 19	5.38	DEC. 4	3.95	DEC. 11	2.58
DEC. 27	5.83	FEB. 28, 1945	4.09	MAR. 19, 1958	3.13	JAN. 11, 1968	3.35
FEB. 6, 1940	5.69G	DEC. 5	1.80	OCT. 15	3.95	FEB. 12	3.72
MAR. 8	3.87G	MAR. 19, 1946	0.30	DEC. 2	4.50	MAR. 5	2.60
APR. 2	3.28G	DEC. 9	2.31	MAR. 23, 1959	4.99	APR. 1	1.82
MAY 2	2.74G	APR. 1, 1947	2.13	DEC. 21	4.52	MAY 6	1.59
JUNE 24	0.20	MAY 19	1.75	MAR. 29, 1960	2.92	JUNE 3	0.13
OCT. 10	6.00	OCT. 27	3.21	OCT. 25	4.55	JULY 5	3.40
DEC. 16	5.06	APR. 1, 1948	4.42	APR. 4, 1961	3.77	SEP. 3	0.95
MAR. 12, 1941	2.90G	OCT. 21	3.17	MAY 8, 1962	0.19	OCT. 1	0.98
OCT. 9	3.88	MAR. 28, 1949	0.66	DEC. 19	3.63	NOV. 6	3.05
DEC. 1	4.59	DEC. 8	5.31	MAR. 6, 1963	4.26	DEC. 3	3.92
DEC. 10	4.12	MAR. 28, 1950	0.15	DEC. 4	3.31	JAN. 6, 1969	4.75
JAN. 21, 1942	3.68G	DEC. 14	2.01	OCT. 29, 1964	2.44	FEB. 3	3.82
FEB. 16	3.29G	MAR. 27, 1951	0.61	DEC. 17	3.08	MAR. 3	3.17
MAR. 9	4.40G	OCT. 30	2.40	MAR. 31, 1965	1.75	APR. 1	0.75
MAR. 25	1.90G	OCT. 22, 1952	2.42	DEC. 15	2.15	MAY 5	0.90
AUG. 22	2.34	MAR. 30, 1953	3.13	MAR. 17, 1966	2.44	JUNE 2	0.27
DEC. 29	4.01						

(B-10-1)13BCB-2
ALTITUDE OF LAND SURFACE 4795 FEET.

HIGHEST WATER LEVEL 10.86 BELOW LSD, APR. 1, 1965,
LOWEST WATER LEVEL 16.25 BELOW LSD, DEC. 11, 1962.
RECORDS AVAILABLE 1962-63, 1965-68.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 7, 1962	13.99	MAR. 19, 1963	15.97	MAR. 18, 1966	11.93	MAR. 12, 1968	11.60
DEC. 11	16.25	APR. 1, 1965	10.86	MAR. 27, 1967	12.45		

(B-11-1)2BDC-1
ALTITUDE OF LAND SURFACE 4417 FEET.

HIGHEST WATER LEVEL 26.10 BELOW LSD, AUG. 7, 1962,
LOWEST WATER LEVEL 31.60 BELOW LSD, MAR. 28, 1963.
RECORDS AVAILABLE 1962-63, 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 7, 1962 +	26.1	APR. 1, 1965 +	28.5	MAR. 27, 1967 +	29.6	MAR. 5, 1968 +	26.4
DEC. 11 +	27.6	MAR. 18, 1966 +	29.0	SEP. 20 +	29.8	MAR. 6, 1969 +	26.2
MAR. 28, 1963 +	31.6						

(B-11-1)5ACC-2
ALTITUDE OF LAND SURFACE 4550 FEET.

HIGHEST WATER LEVEL 6.74 BELOW LSD, MAR. 18, 1966,
LOWEST WATER LEVEL 12.65 BELOW LSD, SEP. 7, 1967.
RECORDS AVAILABLE 1962-63, 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1962	10.78	APR. 1, 1965	12.00	MAR. 16, 1967	12.39	MAR. 8, 1968	8.65
DEC. 11	10.60	MAR. 18, 1966	6.74	SEP. 7	12.65	MAR. 17, 1969	10.65
MAR. 19, 1963	9.51						

(B-11-1)9CDB-1
ALTITUDE OF LAND SURFACE 4422 FEET.

HIGHEST WATER LEVEL 4.10 BELOW LSD, JAN. 7, 1969,
LOWEST WATER LEVEL 6.90 BELOW LSD, JUNE 21, 1966.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 16, 1966 +	6.0	JAN. 17, 1968 +	4.45	AUG. 6, 1968 +	5.5	FEB. 5, 1969 +	4.6
JUNE 21 +	6.9	FEB. 12 +	5.68	SEP. 4 +	5.03	MAR. 4 +	6.0
MAR. 8, 1967 +	5.19	MAR. 5 +	5.5	OCT. 2 +	4.95	APR. 2 +	4.4
SEP. 7 +	5.2	APR. 2 +	5.48	NOV. 7 +	5.3	MAY 6 +	4.95
OCT. 6 +	5.85	MAY 7 +	5.6	DEC. 4 +	4.85	JUNE 3 +	4.9
NOV. 6 +	5.0	JUNE 3 +	5.4	JAN. 7, 1969 +	4.1	JULY 2 +	5.3
DEC. 11 +	5.25	JULY 5 +	5.5				

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(8-11-1)13BCB-1
ALTITUDE OF LAND SURFACE 4432 FEET.

HIGHEST WATER LEVEL 34.20 BELOW LSD, DEC. 17, 1964.
LOWEST WATER LEVEL 40.90 BELOW LSD, OCT. 2, 1968.
RECORDS AVAILABLE 1964-68.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1964 +	34.2	SEP. 20, 1967 +	38.3	MAY 7, 1968 +	36.3	SEP. 4, 1968 +	36.8
MAR. 31, 1965 +	35.3	OCT. 5 +	38.8	JUNE 4 +	34.5	OCT. 2 +	40.9
JULY 29 +	35.7	MAR. 4, 1968 +	36.2	JULY 9 +	34.4	NOV. 7 +	40.1
MAR. 17, 1966 +	36.2	APR. 2 +	36.1	AUG. 6 +	35.3		

(8-11-1)14AAA-3
ALTITUDE OF LAND SURFACE 4429 FEET.

HIGHEST WATER LEVEL 39.50 BELOW LSD, DEC. 22, 1966.
LOWEST WATER LEVEL 51.00 BELOW LSD, MAY 16, 1966.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 16, 1966 +	51.0	FEB. 12, 1968 +	42.5	AUG. 6, 1968 +	41.45	FEB. 4, 1969 +	42.5
DEC. 22 +	39.5	MAR. 5 +	42.5	SEP. 4 +	42.9	MAR. 4 +	42.5
MAR. 8, 1967 +	41.11	APR. 2 +	39.9	OCT. 2 +	43.4	APR. 1 +	42.1
SEP. 20 +	43.8	MAY 7 +	41.6	NOV. 7 +	43.9	MAY 5 +	41.8
NOV. 8 +	44.1	JUNE 4 +	41.3	DEC. 3 +	43.5	JUNE 3 +	40.0
DEC. 11 +	44.2	JULY 9 +	41.3	JAN. 7, 1969 +	43.0	JULY 2 +	42.6
JAN. 17, 1968 +	43.5						

(8-11-1)22CBD-1
ALTITUDE OF LAND SURFACE 4436 FEET.

HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 2, 1969.
LOWEST WATER LEVEL 10.50 BELOW LSD, JULY 2, 1969.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1967 +	7.4	MAR. 5, 1968 +	8.0	SEP. 4, 1968 +	7.8	MAR. 4, 1969 +	7.3
SEP. 7 +	10.1	APR. 2 +	8.2	OCT. 2 +	8.8	APR. 2 +	6.4
OCT. 6 +	10.1	MAY 7 +	7.5	NOV. 7 +	9.0	MAY 6 +	7.9
NOV. 6 +	9.4	JUNE 3 +	7.3	DEC. 4 +	7.9	JUNE 3 +	10.2
DEC. 11 +	9.4	JULY 5 +	8.3	JAN. 7, 1969 +	7.7	JULY 2 +	10.5
JAN. 17, 1968 +	8.0	AUG. 6 +	8.2				

(8-11-1)35CAA-2
ALTITUDE OF LAND SURFACE 4472 FEET.

HIGHEST WATER LEVEL 11.90 BELOW LSD, MAR. 7, 1967.
LOWEST WATER LEVEL 19.90 BELOW LSD, DEC. 29, 1948.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1935 +	12.1	FEB. 7, 1939 +	18.4	DEC. 29, 1942 +	15.1	DEC. 12, 1967 +	16.4
MAR. 5, 1936 +	11.95	APR. 5 +	14.2	MAR. 5, 1943 +	16.1	JAN. 17, 1968 +	15.8
MAY 9 +	12.95	JUNE 2 +	15.3	DEC. 3 +	17.6	FEB. 7 +	15.28
JUNE 26 +	13.65	AUG. 5 +	15.0	APR. 12, 1944 +	15.2	MAR. 5 +	15.2
AUG. 13 +	15.9	OCT. 3 +	16.0	DEC. 19 +	15.7	APR. 2 +	14.8
OCT. 11 +	17.1	DEC. 27 +	14.2	FEB. 28, 1945 +	15.4	MAY 6 +	14.3
DEC. 14 +	17.35	APR. 1, 1940 +	14.8	DEC. 5 +	18.2	JUNE 3 +	14.8
JAN. 17, 1937 +	16.8	MAY 1 +	13.6 G	MAR. 19, 1946 +	16.3	JULY 5 +	14.7
MAR. 12 +	16.55	JUNE 24 +	14.25	MAR. 31, 1947 +	19.4	AUG. 6 +	14.7
MAY 12 +	16.55	OCT. 11 +	13.4	DEC. 30 +	19.2	SEP. 4 +	15.5
AUG. 6 +	16.5	DEC. 16 +	13.9	APR. 1, 1948 +	17.3	OCT. 2 +	15.9
SEP. 30 +	16.65	MAR. 12, 1941 +	13.9	DEC. 29 +	19.9	NOV. 7 +	16.0
NOV. 2 +	17.0	SEP. 16 +	13.3 G	MAR. 28, 1949 +	18.3	DEC. 4 +	15.9
DEC. 16 +	17.05	OCT. 9 +	13.5	AUG. 9 +	18.1	JAN. 7, 1969 +	15.5
FEB. 9, 1938 +	16.7	DEC. 10 +	14.2	DEC. 7 +	17.8	FEB. 4 +	15.3
APR. 19 +	15.9	FEB. 6, 1942 +	14.3 G	MAR. 28, 1950 +	17.2	MAR. 4 +	13.7
JUNE 24 +	15.8	MAR. 3 +	14.3	MAR. 7, 1967 +	11.9	APR. 2 +	14.8
AUG. 19 +	17.3	MAR. 5 +	14.2 G	AUG. 16 +	15.9	MAY 6 +	14.6
OCT. 13 +	17.7	APR. 21 +	14.2 G	OCT. 5 +	15.7	JUNE 3 +	14.7
DEC. 8 +	17.8	AUG. 20 +	14.5	NOV. 6 +	16.4	JULY 2 +	15.1

(8-11-1)35DBD-1
ALTITUDE OF LAND SURFACE 4500 FEET.

HIGHEST WATER LEVEL 0.86 BELOW LSD, NOV. 1, 1935.
LOWEST WATER LEVEL 7.00 BELOW LSD, DEC. 8, 1938.
RECORDS AVAILABLE 1935-40.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1935 +	0.86	AUG. 6, 1937 +	5.5	OCT. 13, 1938 +	6.55	FEB. 7, 1940 +	3.7 G
DEC. 6 +	1.26	SEP. 30 +	6.6	DEC. 8 +	7.0	MAR. 9 +	3.55G
MAR. 5, 1936 +	1.55	NOV. 2 +	6.65	FEB. 7, 1939 +	6.4	APR. 1 +	3.6 G
MAY 9 +	1.78	DEC. 16 +	6.75	APR. 5 +	4.9	MAY 1 +	2.3 G
JUNE 26 +	2.77	FEB. 9, 1938 +	6.4	JUNE 2 +	4.5	JUNE 24 +	2.8
OCT. 11 +	6.2	APR. 19 +	5.4	AUG. 5 +	3.95	OCT. 11 +	1.98
MAR. 12, 1937 +	5.85	JUNE 24 +	5.4	OCT. 3 +	3.68	DEC. 16 +	2.70
MAY 12 +	5.1	AUG. 19 +	6.25	DEC. 27 +	3.63		

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(B-12-1)3CCC-1
ALTITUDE OF LAND SURFACE 4412 FEET.

HIGHEST WATER LEVEL 13.40 BELOW LSD, FEB. 12, 1968,
LOWEST WATER LEVEL 17.20 BELOW LSD, MAR. 6, 1968.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 5, 1966 +	14.2	FEB. 12, 1968 +	13.40	AUG. 6, 1968 +	15.8	FEB. 3, 1969 +	16.0
MAR. 9, 1967 +	14.3	MAR. 6 +	17.2	SEP. 3 +	14.7	MAR. 3 +	16.0
AUG. 31 +	16.0	APR. 1 +	15.6	OCT. 1 +	16.3	APR. 2 +	16.1
OCT. 9 +	16.4	MAY 7 +	15.0	NOV. 6 +	16.5	MAY 6 +	15.9
NOV. 8 +	16.5	JUNE 4 +	15.5	DEC. 4 +	16.0	JUNE 2 +	15.5
DEC. 11 +	15.5	JULY 9 +	14.7	JAN. 6, 1969 +	16.4	JULY 1 +	16.6

(B-12-1)8CDB-2
ALTITUDE OF LAND SURFACE 4431 FEET.

HIGHEST WATER LEVEL 5.10 BELOW LSD, JAN. 8, 1962,
LOWEST WATER LEVEL 10.80 BELOW LSD, MAR. 30, 1953.
RECORDS AVAILABLE 1936-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1936 +	5.57	DEC. 17, 1940 +	7.9	MAR. 30, 1950 +	10.1	DEC. 15, 1965 +	6.9
MAY 10 +	5.83	MAR. 13, 1941 +	7.8	DEC. 15 +	10.6	MAR. 17, 1966 +	6.9
JUNE 25 +	5.91	APR. 1 +	7.9	OCT. 31, 1951 +	9.9	DEC. 21 +	6.75
AUG. 14 +	6.45	OCT. 7 +	7.75	OCT. 23, 1952 +	10.3	MAR. 15, 1967 +	6.8
OCT. 12 +	6.6	NOV. 24 +	7.9	MAR. 30, 1953 +	10.8	SEP. 6 +	6.7
DEC. 14 +	6.0	DEC. 11 +	8.25	APR. 13, 1954 +	9.5	OCT. 6 +	6.7
JAN. 18, 1937 +	6.6	MAR. 4, 1942 +	8.55	DEC. 7 +	8.7	NOV. 6 +	6.7
AUG. 5 +	7.6	MAR. 17 +	7.8	APR. 8, 1955 +	8.3	DEC. 11 +	7.0
SEP. 30 +	7.85	APR. 3 +	7.7	DEC. 13 +	8.4	JAN. 9, 1968 +	6.95
NOV. 3 +	7.65	AUG. 22 +	9.5	APR. 3, 1956 +	8.7	FEB. 9 +	7.12
DEC. 15 +	8.25	DEC. 29 +	8.1	MAR. 27, 1957 +	7.5	MAR. 4 +	7.2
FEB. 10, 1938 +	8.8	MAR. 6, 1943 +	7.3	DEC. 4 +	7.3	APR. 2 +	7.7
APR. 19 +	8.45	APR. 8 +	8.60	MAR. 19, 1958 +	7.9	MAY 7 +	7.5
JUNE 24 +	9.3	APR. 26	6.5	OCT. 15 +	7.0	JUNE 3 +	7.5
AUG. 19 +	9.4	DEC. 4 +	8.6	DEC. 3 +	6.9	JULY 5 +	7.7
DEC. 10 +	9.0	APR. 13, 1944 +	8.5	MAR. 24, 1959 +	7.7	AUG. 6 +	7.8
APR. 5, 1939 +	9.0	DEC. 19 +	8.1	DEC. 22 +	6.2	SEP. 3 +	9.6
MAY 31 +	9.25	MAR. 1, 1945 +	8.1	MAR. 29, 1960 +	6.9	OCT. 2 +	6.5
AUG. 8 +	8.7	DEC. 6 +	8.6	APR. 4, 1961 +	6.9	NOV. 6 +	7.25
SEP. 30 +	9.15	DEC. 10, 1946 +	10.0	JAN. 8, 1962 +	5.1	DEC. 4 +	6.91
DEC. 28 +	8.95	APR. 1, 1947 +	10.4	DEC. 19 +	5.45	JAN. 7, 1969 +	7.2
FEB. 7, 1940 +	8.9	DEC. 30 +	10.3	MAR. 6, 1963 +	5.55	MAR. 5 +	8.4
MAR. 9 +	8.9	APR. 2, 1948 +	9.2	DEC. 4 +	5.40	APR. 2 +	7.3
APR. 2 +	9.0	DEC. 31 +	9.3	OCT. 29, 1964 +	5.93	MAY 5 +	8.7
MAY 2 +	8.9	AUG. 9, 1949 +	10.1	MAR. 31, 1965 +	6.4	JUNE 2 +	8.9
JUNE 25 +	8.6	DEC. 8 +	9.4	JULY 29 +	6.6	JULY 2 +	9.7
OCT. 10 +	8.1						

(B-12-1)14ABA-1
ALTITUDE OF LAND SURFACE 4423 FEET.

HIGHEST WATER LEVEL 11.65 BELOW LSD, MAR. 5, 1936,
LOWEST WATER LEVEL 17.60 BELOW LSD, AUG. 5, 1937.
RECORDS AVAILABLE 1936-38.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1936 +	11.65	OCT. 12, 1936 +	12.5	MAY 13, 1937 +	12.8	NOV. 3, 1937 +	13.6
MAY 10 +	14.6	DEC. 13 +	13.85	AUG. 5 +	17.60	DEC. 15 +	13.75
JUNE 26 +	12.55	JAN. 18, 1937 +	14.2	SEP. 30 +	13.95	FEB. 9, 1938 +	13.7
AUG. 14 +	14.45	MAR. 13 +	14.15				

(B-12-1)36BBB-1
ALTITUDE OF LAND SURFACE 4422 FEET.

HIGHEST WATER LEVEL 8.85 BELOW LSD, MAR. 28, 1963,
LOWEST WATER LEVEL 14.80 BELOW LSD, JAN. 11, 1968.
RECORDS AVAILABLE 1962-63, 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 7, 1962 +	12.05	AUG. 22, 1967 +	12.3	APR. 1, 1968 +	14.2	NOV. 6, 1968 +	13.7
DEC. 11 +	9.10	OCT. 6 +	12.6	MAY 7 +	13.1	DEC. 2 +	11.6
JAN. 16, 1963 +	10.55	NOV. 8 +	13.2	JUNE 4 +	13.6	JAN. 6, 1969 +	12.0
FEB. 13 +	12.10	DEC. 7 +	12.9	JULY 5 +	11.5	FEB. 4 +	13.6
MAR. 28 +	8.85	JAN. 11, 1968 +	14.8	AUG. 7 +	11.6	MAR. 3 +	13.1
APR. 1, 1965 +	13.9	FEB. 12 +	14.59	SEP. 3 +	11.3	APR. 1 +	13.0
MAR. 18, 1966 +	13.5	MAR. 4 +	14.60	OCT. 1 +	13.2	MAY 6 +	11.1
MAR. 27, 1967 +	13.7						

(B-13-1)10BBA-1
ALTITUDE OF LAND SURFACE 4485 FEET.

HIGHEST WATER LEVEL 4.00 BELOW LSD, JUNE 2, 1969,
LOWEST WATER LEVEL 6.70 BELOW LSD, MAR. 15, 1967, OCT. 6, 1967.
RECORDS AVAILABLE 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 1, 1965	4.49	JAN. 9, 1968	5.52	AUG. 5, 1968	4.36	FEB. 3, 1969	5.08
MAR. 18, 1966	4.51	FEB. 9	5.46	SEP. 3	5.15	MAR. 3	4.98
MAR. 15, 1967	6.70	MAR. 5	5.11	OCT. 1	5.19	APR. 3	4.30
SEP. 18	4.8	APR. 1	5.19	NOV. 6	5.32	MAY 5	4.40
OCT. 6	6.7	MAY 6	4.77	DEC. 4	5.23	JUNE 2	4.00
NOV. 6	5.95	JUNE 3	4.64	JAN. 6, 1969	5.24	JULY 1	4.37
DEC. 11	5.35	JULY 5	4.32				

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(B-13-1)18DDD-1
ALTITUDE OF LAND SURFACE 4517 FEET.

HIGHEST WATER LEVEL 4.94 BELOW LSD, MAR. 18, 1966,
LOWEST WATER LEVEL 8.69 BELOW LSD, MAR. 19, 1963.
RECORDS AVAILABLE 1962-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1962	5.90	MAR. 19, 1963	8.69	MAR. 18, 1966	4.94	SEP. 6, 1967	6.90
DEC. 10	8.01	APR. 1, 1965	7.58	MAR. 15, 1967	8.08	MAR. 19, 1969	5.9

(B-13-1)28ACB-1
ALTITUDE OF LAND SURFACE 4449 FEET.

HIGHEST WATER LEVEL 2.45 BELOW LSD, DEC. 10, 1962,
LOWEST WATER LEVEL 15.40 BELOW LSD, MAY 6, 1969, JUNE 2, 1969.
RECORDS AVAILABLE 1962-63, 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 7, 1962 +	2.48	NOV. 8, 1967 +	13.5	JUNE 4, 1968 +	14.7	FEB. 3, 1969 +	14.0
DEC. 10 +	2.45	DEC. 7 +	13.4	JULY 9 +	14.0	MAR. 5 +	15.1
MAR. 29, 1963 +	2.76	JAN. 11, 1968 +	13.10	AUG. 6 +	14.2	APR. 2 +	15.1
MAR. 18, 1966 +	13.3	FEB. 12 +	13.02	OCT. 1 +	13.2	MAY 6 +	15.4
MAR. 15, 1967 +	12.7	MAR. 6 +	13.1	NOV. 6 +	13.7	JUNE 2 +	15.4
SEP. 6 +	13.2	APR. 1 +	14.5	DEC. 4 +	13.9	JULY 1 +	15.2
OCT. 9 +	14.5	MAY 6 +	13.7	JAN. 6, 1969 +	13.7		

(B-13-1)30ACC-1
ALTITUDE OF LAND SURFACE 4407 FEET.

HIGHEST WATER LEVEL 15.75 BELOW LSD, MAR. 6, 1936,
LOWEST WATER LEVEL 23.40 BELOW LSD, AUG. 9, 1949.
RECORDS AVAILABLE 1936-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1936 +	15.75	DEC. 17, 1940 +	17.8	MAR. 30, 1950 +	22.6	JULY 29, 1965 +	18.7
MAY 10 +	17.1	MAR. 13, 1941 +	17.6	DEC. 15 +	22.8	DEC. 15 +	22.8
JUNE 26 +	16.6	MAY 1 +	17.9	MAR. 28, 1951 +	22.4	MAR. 17, 1966 +	21.7
AUG. 14 +	17.65	OCT. 7 +	19.8	OCT. 31 +	23.	DEC. 21 +	19.92
OCT. 12 +	17.95	NOV. 24 +	19.6	APR. 14, 1952 +	21.5	MAR. 15, 1967 +	21.2
DEC. 14 +	17.75	DEC. 11 +	19.4	OCT. 23 +	23.	SEP. 6 +	17.7
MAR. 13, 1937 +	17.3	FEB. 25, 1942 +	18.6	MAR. 30, 1953 +	22.2	OCT. 6 +	18.1
MAY 13 +	18.2	MAR. 4 +	19.1	APR. 13, 1954 +	20.4	NOV. 6 +	20.9
AUG. 5 +	19.4	MAR. 16 +	18.8	DEC. 7 +	20.4	DEC. 7 +	21.4
SEP. 30 +	19.75	APR. 3 +	18.6	APR. 8, 1955 +	18.6	JAN. 9, 1968 +	21.8
NOV. 3 +	19.0	AUG. 22 +	20.6	DEC. 13 +	19.4	FEB. 9 +	21.71
DEC. 15 +	19.5	DEC. 30 +	21.2	APR. 3, 1956 +	19.	MAR. 4 +	21.9
FEB. 10, 1938 +	19.7	MAR. 6, 1943 +	19.6	MAR. 27, 1957 +	19.2	APR. 2 +	20.7
APR. 19 +	18.9	APR. 13 +	18.	DEC. 4 +	19.1	MAY 7 +	20.2
JUNE 24 +	20.2	APR. 26 +	18.1	MAR. 19, 1958 +	19.3	JUNE 3 +	21.6
AUG. 18 +	19.0	DEC. 4 +	19.5	OCT. 15 +	20.4	JULY 5 +	18.9
OCT. 14 +	19.3	APR. 13, 1944 +	19.6	DEC. 3 +	20.1	AUG. 6 +	16.5
DEC. 10 +	19.35	DEC. 19 +	19.5	MAR. 24, 1959 +	18.3	SEP. 3 +	19.8
APR. 5, 1939 +	17.9	MAR. 1, 1945 +	19.2	DEC. 22 +	19.8	OCT. 2 +	19.8
MAY 31 +	19.2	DEC. 6 +	20.7	MAR. 29, 1960 +	18.6	NOV. 6 +	19.2
AUG. 8 +	19.5	DEC. 10, 1946 +	22.5	APR. 4, 1961 +	18.4	DEC. 4 +	18.8
SEP. 30 +	20.0	APR. 1, 1947 +	22.3	JAN. 8, 1962 +	17.2	JAN. 8, 1969 +	21.0
DEC. 28 +	19.05	DEC. 31 +	21.7	DEC. 19 +	17.8	FEB. 4 +	20.5
FEB. 7, 1940 +	19.4	APR. 2, 1948 +	21.4	MAR. 6, 1963 +	20.3	MAR. 3 +	21.0
MAR. 9 +	19.1	DEC. 31 +	21.5	DEC. 4 +	19.8	APR. 2 +	21.8
APR. 2 +	17.9	MAR. 28, 1949 +	20.4	MAR. 12, 1964 +	18.5	MAY 5 +	21.7
MAY 2 +	18.4	AUG. 9 +	23.4	OCT. 29 +	21.	JUNE 2 +	21.2
JUNE 25 +	18.4	DEC. 8 +	22.5	MAR. 31, 1965 +	20.1	JULY 2 +	23.2

(B-14-1)2DDD-1
ALTITUDE OF LAND SURFACE 4594 FEET.

HIGHEST WATER LEVEL 2.58 BELOW LSD, APR. 2, 1965,
LOWEST WATER LEVEL 6.45 BELOW LSD, APR. 3, 1969.
RECORDS AVAILABLE 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 2, 1965	2.58	JAN. 9, 1968	3.43	AUG. 5, 1968	5.68	FEB. 3, 1969	5.35
MAR. 18, 1966	3.18	FEB. 9	3.41	SEP. 3	5.25	MAR. 3	5.50
MAR. 14, 1967	5.67	APR. 1	5.54	OCT. 1	5.60	APR. 3	6.45
SEP. 5	4.4	MAY 6	3.07	NOV. 6	4.32	MAY 5.	3.54
OCT. 6	4.3	JUNE 3	5.62	DEC. 3	3.95	JUNE 2	4.37
NOV. 6	4.10	JULY 5	4.24	JAN. 6, 1969	3.76	JULY 1	4.00
DEC. 11	3.89						

(B-14-2)27DDD-1
ALTITUDE OF LAND SURFACE 4890 FEET.

HIGHEST WATER LEVEL 8.32 BELOW LSD, JULY 1, 1969,
LOWEST WATER LEVEL 18.30 BELOW LSD, MAR. 19, 1963.
RECORDS AVAILABLE 1962-63, 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1962	17.50	MAR. 18, 1966	13.25	APR. 2, 1968	11.59	DEC. 4, 1968	15.34
DEC. 10	17.83	MAR. 15, 1967	14.12	MAY 6	11.25	JAN. 8, 1969	16.26
JAN. 16, 1963	17.66	SEP. 6	13.53	JUNE 3	10.79	FEB. 3	11.61
FEB. 13	17.24	OCT. 6	14.75	JULY 5	9.31	MAR. 5	11.96
MAR. 19	18.30	NOV. 6	15.30	AUG. 6	9.31	APR. 3	9.43
APR. 25	17.44	DEC. 11	15.45	SEP. 3	9.25	MAY 5	8.89
MAY 11	16.71	JAN. 9, 1968	15.80	OCT. 2	10.80	JUNE 2	8.46
JUNE 11	17.18	FEB. 9	16.26	NOV. 6	14.36	JULY 1	8.32
JULY 15	18.26	MAR. 4	11.82				

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

(B-15-1134CCC-1
ALTITUDE OF LAND SURFACE 4510 FEET.

HIGHEST WATER LEVEL 6.16 BELOW LSD, JUNE 2, 1969,
LOWEST WATER LEVEL 9.54 BELOW LSD, MAR. 19, 1963.
RECORDS AVAILABLE 1962-63, 1965-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1962	8.42	APR. 1, 1965	8.22	MAR. 5, 1968	8.74	DEC. 4, 1968	8.58
DEC. 10	8.71	MAR. 18, 1966	8.20	APR. 1	9.00	JAN. 6, 1969	9.23
JAN. 16, 1963	9.18	MAR. 14, 1967	9.49	MAY 6	8.76	FEB. 3	8.92
FEB. 13	9.28	SEP. 5	6.55	JUNE 3	7.81	MAR. 3	9.19
MAR. 19	9.54	OCT. 5	7.34	JULY 5	7.25	APR. 3	8.38
APR. 25	9.46	NOV. 6	8.30	AUG. 5	8.05	MAY 5	8.71
MAY 17	9.38	DEC. 11	8.95	SEP. 3	7.99	JUNE 2	6.16
JUNE 11	8.14	JAN. 9, 1968	9.29	OCT. 1	7.56	JULY 1	7.03
JULY 15	7.62	FEB. 9	9.22	NOV. 6	8.32		

13S-40E-30ACB1
ALTITUDE OF LAND SURFACE 5060 FEET.

HIGHEST WATER LEVEL 13.60 BELOW LSD, MAY 7, 1969,
LOWEST WATER LEVEL 36.40 BELOW LSD, AUG. 13, 1968.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 3, 1967	17.94	APR. 9, 1968	16.90	OCT. 7, 1968	29.54	MAR. 11, 1969	20.00
NOV. 2	27.28	JUNE 12	20.71	JAN. 8, 1969	22.85	APR. 3	17.02
JAN. 18, 1968	23.48	AUG. 13	36.40	FEB. 5	20.34	MAY 7	13.60
MAR. 12	18.73						

14S-38E-15CDC1
ALTITUDE OF LAND SURFACE 4795 FEET.

HIGHEST WATER LEVEL 17.95 BELOW LSD, MAY 7, 1969,
LOWEST WATER LEVEL 29.39 BELOW LSD, AUG. 13, 1968.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 3, 1967	27.0	AUG. 13, 1968	29.39	JAN. 8, 1969	21.55	APR. 3, 1969	18.79
MAR. 1, 1968	21.19	OCT. 8	25.30	FEB. 5	21.10	MAY 7	17.95
JUNE 13	19.92	DEC. 4	21.69	MAR. 6	20.55		

14S-39E-8ADA1
ALTITUDE OF LAND SURFACE 4850 FEET.

HIGHEST WATER LEVEL 96.12 BELOW LSD, MAY 7, 1969,
LOWEST WATER LEVEL 104.45 BELOW LSD, JULY 19, 1967.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 19, 1967	104.45	JUNE 12, 1968	97.15	JAN. 8, 1969	97.16	APR. 3, 1969	96.64
NOV. 2	103.72	AUG. 13	100.58	FEB. 5	96.85	MAY 7	96.12
JAN. 17, 1968	96.82	OCT. 8	98.53	MAR. 11	96.91	JULY 3	98.33
MAR. 12	96.71						

15S-38E-22DDC1
ALTITUDE OF LAND SURFACE 4792 FEET.

HIGHEST WATER LEVEL 16.96 BELOW LSD, AUG. 13, 1968,
LOWEST WATER LEVEL 23.42 BELOW LSD, JUNE 13, 1968.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1967	19.20	JUNE 13, 1968	23.42	FEB. 5, 1969	22.71	MAY 7, 1969	22.70
JAN. 18, 1968	22.48	AUG. 13	16.96	MAR. 7	23.17	JUNE 4	19.93
MAR. 4	22.70	JAN. 8, 1969	22.45	APR. 3	22.91	JULY 3	19.38

15S-39E-23BBB1
ALTITUDE OF LAND SURFACE 4727 FEET.

HIGHEST WATER LEVEL 1.00 BELOW LSD, APR. 3, 1969,
LOWEST WATER LEVEL 3.94 BELOW LSD, OCT. 8, 1968.
RECORDS AVAILABLE 1968-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1968	1.05	DEC. 4, 1968	3.60	APR. 3, 1969	1.0	JUNE 4, 1969	3.46
AUG. 13	2.64	JAN. 8, 1969	3.90	MAY 7	3.72	JULY 3	3.02
OCT. 8	3.94	FEB. 5	1.70				

TABLE 3.--WATER LEVELS IN SELECTED OBSERVATION WELLS - CONTINUED

15S-39E-34CBD1
ALTITUDE OF LAND SURFACE 4655 FEET.

HIGHEST WATER LEVEL 4.22 BELOW LSD, APR. 3, 1969,
LOWEST WATER LEVEL 7.49 BELOW LSD, JAN. 18, 1968.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 13, 1967	6.61	JUNE 12, 1968	6.17	JAN. 8, 1969	7.01	MAY 7, 1969	5.81
NOV. 3	7.31	AUG. 13	6.58	FEB. 5	5.66	JUNE 4	6.16
JAN. 18, 1968	7.49	OCT. 8	7.13	MAR. 10	5.64	JULY 3	5.92
MAR. 5	6.10	DEC. 4	6.90	APR. 3	4.22		

16S-39E-18CDA1
ALTITUDE OF LAND SURFACE 4550 FEET.

HIGHEST WATER LEVEL 17.71 BELOW LSD, JULY 3, 1969,
LOWEST WATER LEVEL 34.26 BELOW LSD, NOV. 3, 1967.
RECORDS AVAILABLE 1967-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 11, 1967	32.06	JUNE 12, 1968	23.63	JAN. 8, 1969	21.60	MAY 7, 1969	18.63
NOV. 3	34.26	AUG. 13	24.17	FEB. 5	20.61	JUNE 4	18.96
JAN. 18, 1968	28.45	OCT. 8	25.84	MAR. 10	20.54	JULY 3	17.71
MAR. 5	25.97	DEC. 4	23.04	APR. 3	19.19		

16S-40E-29CBC1
ALTITUDE OF LAND SURFACE 4508 FEET.

HIGHEST WATER LEVEL 6.67 BELOW LSD, JUNE 10, 1969,
LOWEST WATER LEVEL 23.39 BELOW LSD, FEB. 20, 1968.
RECORDS AVAILABLE 1966-69.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 7, 1966	11.7 H	MAR. 10, 1968	12.98	SEP. 13, 1968	10.45H	FEB. 15, 1969	15.44
DEC. 14	19.7 H	MAR. 14	13.29H	OCT. 8	13.75H	FEB. 20	15.14
MAR. 3, 1967	18.75H	APR. 8	11.13H	OCT. 10	14.04	FEB. 25	15.17
JULY 10	15.37H	APR. 10	11.18	OCT. 15	14.64	FEB. 28	14.75
AUG. 25	8.97H	APR. 15	11.51	OCT. 19	14.93H	MAR. 5	15.05
OCT. 4	11.57H	APR. 20	11.96	OCT. 25	15.75	MAR. 10	15.27
NOV. 3	15.44H	APR. 25	12.38	OCT. 31	16.47	MAR. 15	15.35
NOV. 5	15.63	APR. 30	13.00	NOV. 5	16.89	MAR. 20	15.35
NOV. 10	16.08	MAY 5	13.33	NOV. 10	17.53	APR. 5	8.10
NOV. 15	16.64	MAY 10	13.50	NOV. 15	17.89	APR. 20	8.22
NOV. 20	17.30	MAY 15	13.95	NOV. 20	18.52	APR. 25	8.71
NOV. 25	18.00	MAY 20	14.23	NOV. 25	18.63	APR. 30	9.27
NOV. 29	18.42H	MAY 25	14.78	NOV. 30	18.76	MAY 5	9.75
DEC. 15	19.86	MAY 30	15.64	DEC. 5	18.92	MAY 10	10.05
DEC. 20	20.13	JUNE 5	15.92	DEC. 10	19.19	MAY 15	10.35
JAN. 18, 1968	21.94H	JUNE 10	14.76	DEC. 15	19.12	MAY 20	10.73
JAN. 20	22.03	JUNE 12	14.48H	DEC. 20	19.20	MAY 25	9.43
JAN. 25	22.20	JUNE 15	14.54	DEC. 25	19.36	MAY 31	9.41
JAN. 31	22.59	JUNE 20	14.11	DEC. 31	19.49	JUNE 5	9.41
FEB. 5	22.92	JUNE 25	14.48	JAN. 5, 1969	20.01	JUNE 10	6.67
FEB. 10	23.10	AUG. 13	8.65H	JAN. 10	20.24	JUNE 15	7.20
FEB. 15	23.27	AUG. 15	8.18	JAN. 15	20.12	JUNE 20	7.57
FEB. 20	23.39	AUG. 20	7.83	JAN. 20	20.41	JUNE 25	7.18
FEB. 25	21.30	AUG. 25	7.45	JAN. 25	15.19	JUNE 30	7.40
FEB. 28	18.71	AUG. 31	8.37	JAN. 31	15.33	JULY 5	7.80
MAR. 5	16.33	SEP. 5	9.07	FEB. 5	15.25	JULY 10	8.27
MAR. 6	15.71H	SEP. 10	9.70	FEB. 10	15.27		

H, tape measurement, other record from recorder charts.

Table 4.--Selected drillers' logs of wells

Well-numbering system described in text.
Altitudes are in feet above mean sea level for the land surface at the well.
Thickness of unit in feet.
Depth to base of unit in feet below land surface.

Cache County, Utah

Material	Thickness	Depth
(A-9-1)3cac-1. Log by Cache Valley Drilling Co. Alt. 4,890 ft.		
Soil	2	2
Clay, brown and gray	8	10
Cobbles	1	11
Limestone, sandy, soft	7	18
Limestone, sandy, dark gray	22	40
Gravel (water level at 10 ft)	5	45
Limestone, gray, soft, and lenses of sand and silt	29	74
Limestone, gray, medium hard	26	100
Sand, medium (water level at 8 ft)	1	101
(A-9-1)10add-2. Log by H. L. Erdman. Alt. 5,010 ft.		
Gravel, coarse	14	14
Clay	29	43
Clay and boulders	21	64
Clay and small boulders	66	130
Clay and boulders	20	150
Conglomerate, white	5	155
Clay, tough, and boulders	15	170
Clay, earthy	5	175
Clay, gumbo, and gravel	13	188
Gravel and clay (water level at 30 ft)	2	190
Clay, gumbo, and boulders	18	208
Clay, sandy, and shale	42	250
Gravel (water level at 30 ft)	1	251
Clay and small boulders	37	288
Gravel, sand, and clay	5	293
Clay, yellow, and fine gravel	3	296
Clay, gumbo	29	325
Clay, sandy	12	337
Shale	23	360
Clay and some sand	5	365
Clay, sandy	7	372
Clay and shale	6	378
Clay, yellow	2	380
Clay, light	5	385
Clay, white	13	398
Gravel, coarse, and clay	5	403
Clay and gravel	6	409
Clay, sandy	12	421
Clay, yellow	5	426
Clay, sandy	6	432
Clay, gumbo	16	448
Clay, sandy	11	459
Clay, blue	7	466
Clay, yellow	11	477
Clay, yellow, gravelly	8	485
Clay, sandy	23	508
Clay, yellow; contains small gravel and black organic matter	21	529
Gravel, fine, and clay	3	532
Clay, brown	8	540
Clay, brown, with shells and gravel	32	572
Clay, yellow, with shells and fine gravel	23	595
(A-9-1)11dcb-1. Log by Cache Valley Drilling Co. Alt. 5,004 ft.		
Topsoil	2	2
Clay, gray	16	18
Rock, 6- to 12-inch diameter	3	21
Gravel	3	24
Clay, gray and black	8	32
Gravel	18	50
Clay, whitish gray	4	54
Lime, soft, gray, with some sand and gravel	16	70
Chalk-like material, white	1	71
(A-10-1)4daa-1. Log by J. S. Lee and Sons. Alt. 4,789 ft.		
Clay, gravel, and sand (water level at 35 ft)	55	55
Clay, sandy, blue, and gravel	35	90
Clay, blue, and sand	60	150
Clay, blue	70	220
Clay, blue, and gravel	25	245
Clay, blue	20	265
Gravel, sand, and clay; water	157	422
Gravel and clay; water	78	500
Depth of finished well 472 ft		
(A-10-1)5bcd-1. Log by Andrew Well Drilling Contractors. Alt. 4,675 ft.		
Gravel and silt	5	5
Sand, brown, and silt	30	35
Sand, gray, and silt	15	50
Clay, gray	70	120
Clay, gray, and sand; some moisture	10	130
Clay, gray, sand, and gravel	12	142
Gravel; some water	3	145
Gravel and silt (dry)	5	150
Gravel and silt	17	167
(A-10-1)5bcd-1 - Continued		
Sand, coarse, and gravel; water	10	177
Sand, coarse, and large gravel; water	3	180
Sand, coarse, and cobbles	10	190
Sand, fine, and gravel	5	195
(A-10-1)21aab-1. Log by Cache Valley Drilling Co. Alt. 4,821 ft.		
Gravel	16	16
Clay, gray	31	47
Silt, sand, and gravel	49	96
Gravel (water level at 16 ft)	7	103
(A-10-1)28bbd-1. Log by Cache Valley Drilling Co. Alt. 4,835 ft.		
Gravel	5	5
Clay, gray, with lenses of gravel	20	25
Clay, blue	55	80
Sand, silty, gray, cemented	39	119
Sand, clean	5	124
Sand, silty, gray	3	127
Marl, soft	28	155
(A-10-1)33bbd-1. Log by Cache Valley Drilling Co. to 62 ft and by E. C. Osborne. Alt. 4,790 ft.		
Clay, sand, and gravel	20	20
Boulders	10	30
Sand and gravel	10	40
Clay, gray	22	62
Limestone, very soft (also described as blue shale)	108	170
Gravel and coarse sand	8	178
Shale with cemented gravel	12	190
Sand, coarse	5	195
Shale, blue and gray	70	265
Sand, coarse, and gravel	5	270
Shale, blue gray, with white clay	40	310
Sand and gravel	5	315
Shale, blue gray	7	322
Sand and gravel	3	325
Shale, blue gray	30	355
Gravel, coarse, and sand	15	370
Shale, blue gray	57	427
Gravel, coarse	2	429
Shale, soft, gray, with cemented sand and gravel	11	440
Shale, blue gray	10	450
Conglomerate, coarse	5	455
Shale, blue gray	35	490
Shale with streaks of cemented sand	13	503
Shale, blue gray, dense	97	600
(A-10-1)34bac-1. Log by Cache Valley Drilling Co. Alt. 4,993 ft.		
Clay, brown	24	24
Clay, gray	17	41
Clay, gray, silty	5	46
Silt and fine sand (water level at 21 ft)	17	63
Sand and gravel (water level at 20 ft)	4	67
Clay, gray, sticky, with silt	34	101
Clay, gray, silty, with vegetation	12	113
Clay, gray, with silt	6	119
Sand and gravel with clay	13	132
Tallus gravel (water level at 75 ft)	14	146
Clay, gray, silty	50	196
Lime, gray, soft, with shale (indication of underground stream at 201 ft; water level at 65 ft)	5	201
Lime, soft, with shale	33	234
Clay, gray, with streaks of gravel	4	238
Sand and shale layers	7	245
Shale with streaks of sand	50	295
Clay, sand, and gravel, brown	10	305
Shale with layers of cemented sand	18	323
Shale and cemented sand	9	332
Shale with white greasy clay	20	352
Sand, cemented, and siltstone	50	402
Shale	4	406
Sand, cemented, and shale	9	415
Limestone, gray, soft	5	420
Depth of finished well 402 ft		
(A-11-1)2bcb-1. Log by Cache Valley Drilling Co. Alt. 4,620 ft.		
Sand and gravel	15	15
Silt and sand with gray clay	93	108
Clay, gray	33	141
Gravel	8	149
Clay, gray	3	152
Gravel (water level at 160 ft)	20	172
Sand and gravel (water level at 160 ft)	32	204
Sand and gravel with caliche	54	258
Clay, gray	25	283
Gravel, coarse (water level at 140 ft)	19	302
Depth of finished well 301 ft		
(A-11-1)8cbb-1. Log by J. V. and L. H. Stoddard. Alt. 4,446 ft.		
Soil	3	3
Hardpan	7	10
Clay	33	43
Gravel	37	80
Clay	10	90
Gravel	15	105
Clay and sand	24	129
Gravel, large	46	175
(A-11-1)10dad-1. Log by Cache Valley Drilling Co. Alt. 4,638 ft.		
Cobbles with soil	2	2
Cobbles, cemented	1	3
Sand, silty	6	9
Cobbles	3	12
Clay, brown	16	28
Cobbles, cemented; trace of water	19	47
Clay, brown	2	49
Cobbles, cemented; some water	20	69
Clay with cobbles	7	76
Gravel and cobbles; some water	13	89
Clay, gray	1	90
Gravel, cemented	20	110
Clay, gray	3	113
Sand and gravel, cemented	13	126
Sand, cemented	9	135
Boulders and cobbles	2	137
Clay	2	139
Sand, cemented	33	172
Gravel, cemented	58	230
Clay, brown, with gravel	13	243
Sand, cemented (water level at 140 ft)	18	261
Clay, gray	4	265
Gravel, coarse	1	266
Gravel, cemented	58	324
Sand and gravel, cemented	13	337
Sand and gravel, coarse (water level at 140 ft)	9	346
Gravel, cemented	31	377
Driller's note: Material from 135 to 377 feet is probably conglomerate with solution channels as aquifers. Depth of finished well 366 ft		
(A-11-1)20ada-1. Log by J. S. Lee and Sons. Alt. 4,522 ft.		
Topsoil	2	2
Sand and conglomerate	15	17
Clay and sand	68	85
Clay and gravel	3	88
Gravel; water	42	130
Clay and gravel	44	174
Gravel; water	24	198
Clay and gravel	156	354
Gravel; water	16	370
Clay and gravel	8	378
(A-11-1)27cdc-1. Log by J. S. Lee and Sons. Alt. 4,602 ft.		
Topsoil	9	9
Boulders	3	12
Clay, brown, and gravel	7	19
Clay, gray	59	78
Clay, brown, sandy	22	100
Gravel, dry	2	102
Clay, brown, and gravel	27	129
Clay, brown	31	160
Conglomerate	132	292
Clay, brown, and gravel	16	308
Conglomerate	29	337
Clay, blue, sticky	38	375
Conglomerate	77	452
Clay, brown, and gravel	6	458
Conglomerate	8	466
Clay, brown, and gravel	17	483
Conglomerate	10	493
Clay and gravel, hard	103	596
(A-11-1)32dcb-1. Log by J. S. Lee and Sons. Alt. 4,610 ft.		
Clay, sand, and gravel	35	35
Clay, sandy	60	95
Conglomerate	35	130
Clay, gray	17	147
Gravel, dry	7	154
Conglomerate with streaks of gravel	34	188
Clay and gravel	15	203
Clay	11	214
Conglomerate; water	32	246
Silt, gravel, cobbles, and boulders	26	272
Clay and gravel	20	292
Conglomerate; water	46	338
Clay and gravel	17	355

Table 4.--Selected drillers' logs of wells - Continued

Cache County, Utah - Continued

Material	Thickness	Depth
(A-12-1)3ccc-2. Log by Cache Valley Drilling Co. Alt. 4,474 ft.		
Clay, brown	5	5
Clay, gray	4	9
Clay, blue	46	55
Clay, gray	9	64
Clay, brown	32	96
Clay, gray	9	105
Cobbles (water level at land surface)	2	107
Clay, brown	21	128
Cobbles, coarse (water; head 15 ft above land surface)	9	137
(A-12-1)7add-1. Log by Cache Valley Drilling Co. Alt. 4,434 ft.		
Clay, sandy, brown	12	12
Clay, gray	35	47
Clay, sandy, gray (water; head 1 ft above land surface)	17	64
Clay, gray	39	103
Sand, fine	23	126
Clay, gray	10	136
Sand, fine to coarse (water; head 18 ft above land surface)	46	182
(A-12-1)16ddd-1. Log by Cache Valley Drilling Co. Alt. 4,477 ft.		
Soil	2	2
Clay, brown	30	32
Clay, gray	22	54
Gravel	2	56
Clay, gray	35	91
Gravel (water level at 6 ft)	2	93
Clay, gray	2	95
Clay, brown	69	164
Gravel	14	178
Gravel, cemented	7	185
Gravel	2	187
Clay, brown	25	212
Gravel	1	213
Caliche	57	270
Depth of finished well 243 ft		
(A-12-1)24bcc-1. Log by Peterson Drilling Co. to 300 ft and by Mac Exploration Co. Alt. 4,835 ft.		
Boulders of limestone	22	22
Gravel of limestone, loose	20	42
Clay, yellow	6	48
Clay, blue	15	63
Boulders of limestone, cemented	104	167
Clay, yellow	5	172
Conglomerate and dolomite boulders, consolidated and unconsolidated	128	300
Boulders of dolomite	20	320
Boulders of dolomite and some dolomite gravel and coarse sand	27	347
(A-12-1)27cab-1. Log by Technical Services Inc. Alt. 4,550 ft.		
Clay, brown	19	19
Clay, blue	48	67
Clay, blue, and gravel	17	84
Clay, black	2	86
Silt, gray, gravel, and boulders	21	107
Silt, brown, and gravel	11	118
Silt, brown	24	142
Silt and gravel	12	154
Silt, blue	16	170
Silt, brown	5	175
Silt and gravel	52	227
Silt, gravel, and boulders	47	274
Clay, silt, and gravel	13	287
Silt, sand, and gravel	16	303
Clay, brown	6	309
Silt and gravel	2	311
Clay, brown	6	317
Sand, gravel, and silt	53	370
Silt, sand, gravel, and boulders	2	372
Clay, brown	16	388
Sand, gravel, boulders, and silt	11	399
Sand, gravel, and silt	93	492
Clay and gravel	6	498
Clay and silt	21	519
Sand, gravel, and silt	115	634
Clay, brown, sand, and gravel	6	640
Sand, gravel, and silt	160	800
(A-12-1)29cba-2. Log by Cache Valley Drilling Co. Alt. 4,440 ft.		
Clay, gray	22	22
Clay, blue	19	41
Gravel (water level at 18 ft)	2	43
Sand	8	51
Gravel	4	55
Sand	6	61
Gravel	17	78
Clay, gray	46	124
Gravel (water; head 10 ft above land surface)	6	130
Clay, gray	7	137
Gravel, (water; head 12 ft above land surface)	7	144
(A-12-1)29cba-2 - Continued		
Clay, gray	9	153
Gravel (water; head 26 ft above land surface)	5	158
(A-12-1)34cca-1. Log by Technical Services Inc. Alt. 4,550 ft.		
Topsoil	1	1
Silt, sand, gravel, and cobbles	13	14
Silt and sand	6	20
Clay, blue gray, silt, and sand	30	50
Clay and silt	35	85
Silt and sand; contains pieces of wood and methane gas	9	94
Cobbles, gravel, sand, and silt; water	38	132
Gravel, sand, and silt; water	21	153
Gravel and silt; water	8	161
Silt, brown	26	187
Clay, blue	11	198
Cobbles, gravel, sand, and silt; water	162	360
Clay, brown, gummy	2	362
Clay and peagravel	11	373
Gravel, sand, and silt; water	168	541
Clay, silt, and sand	4	545
Clay and silt	10	555
Clay, gumbo	25	580
Silt and sand	8	588
Gravel, sand, silt, and some cobbles; water	117	705
Boulders, gravel, and sand; water	23	728
Gravel, sand, silt, and a few boulders; water	107	835
Conglomerate	3	838
Gravel, sand, and silt; water	162	1,000
(A-13-1)8caa-1. Log by James Olsen. Alt. 4,452 ft.		
Clay, sandy	20	20
Sand	80	100
Quicksand	25	125
Clay, sandy	75	200
Clay, blue	20	220
Quicksand	25	245
Sand, clean; full of small shells	5	250
(A-13-1)11bbb-2. Log by Cache Valley Drilling Co. Alt. 4,613 ft.		
Topsoil	2	2
Gravel	3	5
Clay, brown	2	7
Gravel	2	9
Lime, soft, gray, and clay	21	30
Gravel; trace of water	2	32
Lime, soft, gray, and streaks of shale	63	95
Gravel	2	97
Lime, soft, gray	73	170
(A-13-1)18dda-1. Log by Cache Valley Drilling Co. Alt. 4,443 ft.		
Clay, brown	35	35
Clay, blue	152	187
Sand	8	195
Gravel	3	198
(A-13-1)19cac-1. Log by Mountain States Drilling Co. Alt. 4,446 ft.		
Clay	180	180
Gravel	270	450
Clay and blue mud	450	900
Gravel, washed	950	1,850
Boulders and sand	184	2,034
Sand, shale, and gravel	1,501	3,535
Shale, very hard, black	55	3,590
Sand, fine (gas with water, 1,100 lb bottom-hole pressure)	32	3,622
Shale with sand stringers	1,134	4,756
Sand (gas)	7	4,763
Shale, hard	61	4,824
Sand (gas)	6	4,830
Shale with sand stringers	373	5,203
Limestone, "Pennsylvanian", with stringers of gas sand	277	5,480
Shale, black	20	5,500
(A-13-1)28aaa-1. Log by Cache Valley Drilling Co. Alt. 4,595 ft.		
Clay, brown	23	23
Sand and gravel; water	7	30
Clay, gray	5	35
Sand and gravel	35	70
Clay, gray	5	75
Gravel; water	8	83
Clay, gray	8	91
Gravel	6	97
Sand and gravel; water	13	110
Gravel	35	145
Conglomerate	4	149
Clay, brown	5	154
Gravel	7	161
Clay, gray, sandy	7	168
Sand and gravel	12	180
Gravel, medium to fine	8	188
Gravel, coarse; water	4	192
(A-13-1)28aaa-1 - Continued		
Clay, gray	21	213
Gravel in clay	5	218
Conglomerate	8	226
Gravel in clay	19	245
Gravel; water	7	252
Conglomerate	14	266
Gravel in clay	9	275
Clay	12	287
Conglomerate, very hard	2	289
Clay, very sticky	14	303
Gravel in clay	15	318
Conglomerate and cobbles	9	327
Gravel in clay	12	339
Clay	3	342
Sand and gravel, cemented	32	374
Gravel, small, loose	3	377
Gravel and sand, cemented	15	392
Clay	4	396
Gravel and sand, cemented	46	442
Clay, brown, in gravel	3	445
Gravel and sand, cemented	19	464
Clay, brown	3	467
Gravel and cobbles, cemented; water	8	475
Boulders, large	2	477
(A-13-1)29bac-1. Log by Cache Valley Drilling Co. Alt. 4,455 ft.		
Topsoil	8	8
Gravel	3	11
Clay, brown	16	27
Gravel (flow 20 gpm; head 9 ft above land surface)	11	38
Clay, gray	9	47
Sand and gravel	8	55
Clay, gray	13	68
Sand	4	72
Clay, gray, with thin sand layers	20	92
Gravel	3	95
Sand and gravel with clay layers	18	113
Sand	3	116
Gravel, coarse; small flow of water	3	119
Sand and gravel; small flow of water	4	123
Clay, brown	3	126
Sand and gravel (flow 250 gpm; head 14 ft above land surface)	18	144
Gravel (flow 450 gpm; head 14 ft above land surface)	4	148
Clay, gray, sandy	12	160
Sand and gravel (flow 50 gpm; head 14 ft above land surface)	7	167
Clay, gray, sandy	6	173
Sand and gravel; small flow of water	10	183
Sand, gravel, and thin layers of clay	12	195
Clay, gray	3	198
Sand and gravel with thin clay layers	2	200
Gravel; small flow of water	22	222
Clay, gray, sandy	5	227
Gravel (flow 2,000 gpm; head 23 ft above land surface)	12	239
(A-13-1)31ccc-2. Log by J. V. Stoddard. Alt. 4,440 ft.		
Topsoil	2	2
Sand	13	15
Clay	55	70
Sand	10	80
Clay	20	100
Sand	8	108
Clay	92	200
Sand	8	208
Clay	22	230
Sand	20	250
Clay	30	280
Sand	10	290
Clay	10	300
Sand	10	310
Clay	83	393
Sand	7	400
Gravel	122	522
Clay	32	554
Gravel	5	559
Clay	41	600
Gravel	5	605
Clay	4	609
Gravel	17	626
(A-13-1)33aca-1. Log by J. F. O'Brien. Alt. 4,543 ft.		
Topsoil	5	5
Clay and gravel	23	28
Clay, gray	10	38
Gravel and clay	23	61
Conglomerate	12	73
Gravel and clay	12	85
Gravel	5	90
Clay	25	115
Hardpan	4	119
Clay	6	125
Hardpan	3	128
Clay	6	134
Hardpan	3	137
Clay	15	152

Table 4.--Selected drillers' logs of wells - Continued

Cache County, Utah - Continued

Material	Thickness	Depth
(A-13-1)33aca-1 - Continued		
Conglomerate	6	158
Clay and gravel	10	168
Gravel and clay	2	170
Conglomerate; water	2	172
Conglomerate	4	176
Clay	6	182
Conglomerate	6	188
Gravel	4	192
Conglomerate	26	218
Clay and gravel	8	226
Clay	4	230
Conglomerate	21	251
Gravel	13	264
Clay, brown	56	320
Conglomerate	5	325
Clay, gray	5	330
Gravel	3	333
(A-13-1)35cdc-1. Log by Cache Valley Drilling Co. Alt. 4,679 ft.		
Topsoil	2	2
Clay, gray	1	3
Gravel, cemented	2	5
Clay and soft lime	19	24
Gravel	2	26
Clay, brown, with gray lime	19	45
Gravel; trace of water	2	47
Lime, gray	138	185
Gravel	1	186
Lime, gray	101	287
Gravel	1	288
Lime, gray	67	355
Sand	1	356
Lime, gray, with shale	194	550
Depth of finished well 540 ft		
(A-14-1)1ccc-1. Log by Andrew Well Drilling Contractors. Alt. 4,516 ft.		
Topsoil	2	2
Clay, brown, sticky	16	18
Clay, green	7	25
Clay, green and gray	30	55
Gravel and gray clay	10	65
Clay, gray, and sand	10	75
Clay, gray, and gravel	2	77
Gravel and clay; water	17	94
Conglomerate, hard	11	105
Clay, green	10	115
Clay, brown, and gravel	5	120
Clay, brown	34	154
Clay, brown, and gravel	11	165
Clay, brown	10	175
Clay, green, and brown sandy soil	10	185
Clay, green, and gravel	5	190
Clay, green, very sticky	15	205
Clay, gray, very sticky	15	220
Sandstone and conglomerate	20	240
Clay and sandstone	60	300
(A-14-1)6dcd-1. Log from Israelson, 1953, p. 12. Alt. 4,505 ft.		
Soil	3	3
Sand and clay; perched water	18	21
Clay, blue	234	255
(A-14-1)10bcc-1. Log from Israelson, 1953, p. 12. Alt. 4,503 ft.		
Soil	2	2
Sand; perched water	13	15
Clay, blue	29	44
Clay, blue, sandy	30	74
Sand	2	76
Clay, blue, sandy	42	118
Clay and gravel	7	125
Gravel (80 gpm)	4	129
Clay and sand	6	135
Clay and gravel	5	140
Clay	12	152
Sand and gravel	9	161
Clay and sand, white	12	173
Sand, clay, and gravel	25	198
Clay	2	200
(A-14-1)11bcd-1. Log by Cache Valley Drilling Co. Alt. 4,512 ft.		
Soil	2	2
Clay, brown	22	24
Clay, gray	16	40
Gravel (water level at 20 ft)	3	43
Clay, gray	7	50
Gravel (water level at 20 ft)	7	57
Conglomerate (water level at 30 ft)	123	180
Depth of finished well 165 ft		
(A-14-1)17aaa-1. Log from Israelson, 1953, p. 12. Alt. 4,502 ft.		
Soil	2	2
Sand and clay; perched water	16	18
Clay, blue	59	77
Sand	3	80
Clay, blue	145	225
(A-14-1)23bca-1. Log by R. A. Dursteler. Alt. 4,555 ft.		
Topsoil and gravel	6	6
Sand and gravel	6	12
Gravel and clay	2	14
Clay	7	21
Gravel and boulders	7	28
Sand and gravel	7	35
Clay	3	38
Gravel	26	64
Clay and gravel	6	70
Clay	10	80
Clay and some gravel	5	85
Gravel and boulders	9	94
(A-14-1)34adb-1. Log by L. W. Dalton. Alt. 4,544 ft.		
Soil and white clay	13	13
Gravel and sand; water	2	15
Clay and some gravel	21	36
Gravel and some clay; water	6	42
Clay	23	65
Gravel and sand; water - principal source	3	68
Clay	27	95
Gravel and sand	2	97
Clay, blue	53	150
(A-14-1)34cac-2. Log by R. A. Dursteler. Alt. 4,495 ft.		
Clay, red	20	20
Clay, blue	19	39
Clay, sandy, blue	5	44
Clay, red	5	49
Clay, gray	8	57
Sand, fine	3	60
Clay, blue	8	68
Clay, blue, and gravel	2	70
Sand, fine	2	72
Sand, coarse, and fine gravel	2	74
Sand, fine, cemented	8	82
Gravel and clay, yellow	22	104
Sand, fine, cemented; water	15	119
Conglomerate, hard	15	134
Clay, yellow	6	140
Conglomerate; water	2	142
Clay, yellow	2	144
Conglomerate; water	18	162
Clay, yellow	8	170
Conglomerate; water	4	174
Clay, yellow	9	183
Conglomerate; water	10	193
Conglomerate	6	199
Clay, yellow	2	201
Conglomerate; water	16	217
Boulders	3	220
(A-14-1)35cbb-1. Log by H. M. Robinson. Alt. 4,600 ft.		
Soil	2	2
Clay, black	2	4
Clay, brown	6	10
Boulders, large	54	64
Gravel and clay, yellow	5	69
Clay, white	7	76
Clay, yellow	34	110
Clay, blue	18	128
Gravel, black (100 gal. water per hour)	4	132
Clay, blue	352	484
Sand, fine, black	5	489
Clay, blue	8	497
Clay, black, and gravel	6	503
Clay, blue, and gravel	59	562
Clay, blue	8	570
Clay, blue, and gravel	4	574
Gravel	6	580
Clay, blue, and gravel	3	583
Sand and gravel	4	587
Gravel	6	593
Clay, blue, and gravel	32	625
(A-15-1)35cda-1. Log by C. H. Koller. Alt. 4,475 ft.		
Clay, red	12	12
Sand	22	34
Clay, blue	55	89
Hardpan	1	90
Clay, blue	58	148
Boulders, sand, and gravel	22	170
Clay, blue	38	208
Sand, gravel, and boulders	26	234
Clay, yellow, sandy	12	246
Sandstone, yellow	14	260
Clay, yellow	8	268
Limestone	8	276
Streaks of clay and hard lime	24	300
Hard lime	1	301
(B-10-1)1aaa-2. Log by R. A. Dursteler. Alt. 4,573 ft.		
Topsoil and gravel	3	3
Clay, sandy, yellow	10	13
(B-10-1)1aaa-2 - Continued		
Sand, fine; small seep of water	29	42
Clay, blue	40	82
Clay, sandy, and gravel	18	100
Sand, fine	8	108
Sand, cemented, and gravel	11	119
Sand and gravel; water	1	120
(B-10-1)12ddd-1. Log by Cache Valley Drilling Co. Alt. 4,800 ft.		
Topsoil	2	2
Clay, brown	8	10
Gravel, 1/4- to 1/2-inch; water	1	11
Clay	10	21
Gravel, 1/4- to 1/2-inch	1	22
Clay, gray	3	25
Limestone, soft, gray	105	130
Limestone, soft, green	25	155
Shale, medium hard	7	162
Limestone, green	75	237
Limestone, soft, white	13	250
(B-10-1)14cbc-1. Log by Robert Johnson. Alt. 4,796 ft.		
Gravel	34	34
Clay	30	64
Gravel	43	107
(B-10-1)23cbc-1. Log by Robert Johnson. Alt. 4,880 ft.		
Clay	6	6
Gravel	6	12
Clay	110	122
Sand	4	126
Clay	150	276
Hardpan	1	277
Clay	8	285
Depth of finished well 74 ft		
(B-11-1)8dda-1. Log by Cache Valley Drilling Co. Alt. 4,438 ft.		
Topsoil	3	3
Clay, gray, with sand	27	30
Clay, blue	51	81
Clay, light blue	18	99
Clay, gray	6	105
Sand and gravel	9	114
Clay, gray	17	131
Clay, light blue	5	136
Clay, gray	12	148
Clay, light blue	14	162
Clay, blue	14	176
Sand and gravel (water; head 5 ft above land surface)	6	182
Clay, green	2	184
Depth of finished well 182 ft		
(B-11-1)11ada-1. Log by Robert Johnson. Alt. 4,424 ft.		
Clay	110	110
Sand	12	122
Clay	78	200
Gravel	8	208
Clay	2	210
Sand	10	220
(B-11-1)12bbb-1. Log by Cache Valley Drilling Co. Alt. 4,428 ft.		
Topsoil and fill	5	5
Clay, brown	4	9
Clay, gray	29	38
Gravel	2	40
Clay, gray	44	84
Sand (water level at land surface)	46	130
Clay, gray	10	140
Clay, gray, with peat	40	180
Sand and gravel (flow 15 gpm; head 20 ft above land surface)	5	185
Clay, blue	3	188
Gravel (flow 40 gpm; head 20 ft above land surface)	7	195
(B-11-1)22cbd-1. Log by Robert Johnson. Alt. 4,436 ft.		
Clay	50	50
Gravel	10	60
Clay	40	100
Gravel	1	101
Clay	31	132
(B-11-1)23bad-3. Log by L.W. Olsen. Alt. 4,443 ft.		
Soil and clay	80	80
Gravel	28	108
Clay	35	143
Sand	20	163
Gravel	25	188
(B-11-1)25adc-1. Log by Robert Johnson. Alt. 4,488 ft.		
Clay	62	62
Gravel	50	112

Table 4.--Selected drillers' logs of wells - Continued

Cache County, Utah - Continued

(B-11-1)25adc-1 - Continued

Material	Thickness	Depth
Clay	22	134
Gravel	9	143

(B-11-1)35acc-3. Log by Robert Johnson. Alt. 4,472 ft.

Material	Thickness	Depth
Clay	10	10
Gravel	15	25
Clay	50	75
Gravel	9	84

(B-12-1)11bbc-3. Log by J. V. Stoddard. Alt. 4,421 ft.

Material	Thickness	Depth
Topsoil	3	3
Clay	54	57
Sand	9	66
Clay	32	98
Sand	8	106
Clay	42	148
Sand	14	162
Clay	36	198
Sand	10	208
Clay	47	255
Sand	13	268
Clay	63	331
Sand	9	340
Clay	60	400
Sand	18	418
Clay	42	460
Sand	22	482
Clay	5	487
Sand	11	498
Clay	49	547
Sand	10	557
Clay	71	628
Sand	17	645

(B-12-1)12bdc-5. Log by J. V. Stoddard. Alt. 4,428 ft.

Material	Thickness	Depth
Soil	2	2
Clay	48	50
Sand	20	70
Clay	80	150
Sand	30	180
Clay	45	225
Sand	15	240
Clay	60	300
Sand	10	310
Clay	70	380
Sand	6	386
Clay	84	470
Sand	10	480
Clay	23	503
Gravel	17	520
Clay	24	544
Gravel	25	569

(B-12-1)24daa-1. Log by E. C. Osborne. Alt. 4,427 ft.

Material	Thickness	Depth
Clay, gray, black, and green	75	75
Sand and fine gravel	30	105
Clay with gravel streaks	75	180
Clay with sand streaks	90	270
Gravel and sand	5	275
Clay, gray and white	15	290
Gravel, cemented	30	320

(B-12-1)27dca-1. Log by Robert Johnson. Alt. 4,410 ft.

Material	Thickness	Depth
Clay	40	40
Sand	6	46
Clay	185	231
Sand	4	235
Clay	13	248

(B-13-1)10bab-1. Log by Cache Valley Drilling Co. Alt. 4,452 ft.

Material	Thickness	Depth
Soil	2	2
Clay, brown	19	21
Clay, gray	14	35
Gravel (water level at 10 ft)	3	38
Gravel with clay, gray	27	65
Sand	1	66
Gravel with clay, gray	28	94
Sand, silty, gray	27	121
Silt, dark gray, firm	284	405
Depth of finished well 127 ft		

(B-13-1)10bba-1. Log by Cache Valley Drilling Co. Alt. 4,485 ft.

Material	Thickness	Depth
Soil	3	3
Clay, brown	6	9
Clay, blue	17	26
Sand and gravel with some shale	56	82
Sand, gravel, and cobbles; water	2	84
Gravel, cemented	34	118
Gravel, loose, with talus	12	130
Gravel, loose	11	141
Gravel, cemented	8	149
Conglomerate	8	157
Clay, brown, with shale and talus	37	194
Gravel	3	197
Conglomerate and talus	9	206

(B-13-1)10bba-1 - Continued

Material	Thickness	Depth
Talus, chalky, cemented	14	220
Gravel and talus, cemented, red	13	233
Clay, blue, with pea gravel	14	247
Talus of gray dolomite with red cementing	10	257
Talus of gray dolomite with gray cementing	1	258

(B-13-1)14bcc-1. Log by R. A. Dursteler. Alt. 4,412 ft.

Material	Thickness	Depth
Clay, red	1	1
Clay, white	5	6
Clay, red	10	16
Clay, blue	47	63
Clay, blue, sandy	4	67
Sand, fine	2	69
Clay, blue, sandy	10	79
Sand, fine	7	86
Clay, blue	3	89
Sand, fine	1	90
Clay, blue	20	110
Sand, fine	7	117
Clay, blue	17	134
Sand, fine	4	138
Clay, blue	6	144
Sand, fine	1	145
Clay, blue	4	149
Sand, fine	3	152
Clay, blue	15	167
Sand, fine	4	171
Clay, blue	3	174
Sand, fine	3	177
Clay, blue	139	316
Clay, blue, and peat layers	9	325
Clay, blue	15	340
Sand, fine	2	342
Clay, blue	5	347
Sand, fine	3	350
Clay, blue	4	354
Sand, fine	9	363
Clay, blue	14	377
Sand, fine	4	381
Peat	1	382
Clay, blue	16	398
Sand, fine	1	399
Clay, blue	4	403
Sand, fine	8	411
Clay, brown	9	420
Clay, blue	21	441
Peat	3	444
Clay, blue	1	445
Sand, fine	2	447
Peat	2	449
Sand, fine, and silt	6	455

(B-13-1)15cdd-1. Log by Robert Johnson. Alt. 4,422 ft.

Material	Thickness	Depth
Clay	100	100
Sand	18	118
Clay	12	130
Gravel	2	132

(B-13-1)17dad-1. Log by Robert Johnson. Alt. 4,615 ft.

Material	Thickness	Depth
Clay	8	8
Gravel	10	18
Clay	92	110
Sand	8	118
Clay	90	208
Sand	4	212
Clay	3	215

(B-13-1)25bab-1. Log from Peterson, 1946, p. 13. Alt. 4,419 ft.

Material	Thickness	Depth
Clay, brown	15	15
Clay, blue	55	70
Quicksand	10	80
Clay, blue	15	95
Sand, muddy	7	102
Clay, blue	10	112
Sand	6	118
Clay, blue	7	125
Mud and sand; some shells (gas)	32	157
Clay	3	160
Peat	3	163
Mud, black; would burn	7	170
Peat	1	171
Clay	2	173
Peat	2	175
Mud and sand(lots of gas)	30	205
Sand, very fine	8	213
Clay, blue	22	235
Sand, coarse; water	5	240
Clay, gritty, blue; some gas sand at about 264 ft	28	268
Sand, gritty, blue	72	340
Sand; water	5	345
Sand, clay, and gravel	78	423
Sand, (gas blowout with water	8	431
Peat	3	434
Clay	7	441
Mud, blue, sticky	119	560

(B-13-1)25bab-1 - Continued

Material	Thickness	Depth
Sand	7	567
Ash, volcanic	81	648
Peat	7	655
Mud, gritty, blue	25	680
Sand, firm	4	684
Mud, blue, and lots of grit	61	745
Sand; water	5	750
Mud, blue, sticky	40	790
Sand, hard	6	796
Mud, blue	29	825
Sand, coarse; water	5	830
Mud, blue	26	856
Sand; water	16	872
Mud, blue; water	68	940
Sand; water	10	950
Clay, blue	10	960
Sand, coarse; water	15	975
Clay, blue	20	995
Sand; some shells	12	1,007
Clay, gritty	25	1,032
Sand, hard	13	1,045
Clay, blue	19	1,064
Sand and boulders; hot water	26	1,090
Mud, gritty, blue	30	1,120
Sand and gravel	11	1,131
Brown formation (probably silt or clay)	2	1,133
Peat	2	1,135
Mud	3	1,138
Gravel and boulders	5	1,143
Clay	37	1,180
Sand and boulders; water	5	1,185
Clay, gritty, blue	5	1,190
Sand and boulders	7	1,197
Clay, light brown, and grit (gas)	13	1,210
Peat	1	1,211
Mud	2	1,213
Peat	2	1,215
Clay	7	1,222
Sand, hard	6	1,228
Mud, gritty, blue	15	1,243
Sand, coarse, hard, with a few shells	24	1,267
Mud, gritty, blue, compacted	58	1,325
Boulders; water	21	1,346
Clay, blue	5	1,351
Gravel, coarse (gas and heavy flow of water; driller measured 6 cfs flow with a temperature of 62° F.)	19	1,370
Clay, blue	7	1,377
Sand, fine, hard	13	1,390
Clay, blue, with grit	24	1,414
Clay, brown, hard	6	1,420
Sand	7	1,427
Clay, blue	33	1,460
"Solid rock in place"	13	1,473

Note: The "firm sand" and "hard sand" of this log may be oolite beds (Peterson, 1946, p. 12). The "solid rock in place" at 1,460 ft has previously been interpreted to be pre-Tertiary bedrock. More recent data implies that this is possible, but not likely. The "solid rock" is more likely boulders or landslide debris. (See log of well (A-13-1) 19cac-1.)

(B-13-1)27cdd-1. Log by Cache Valley Drilling Co., Alt. 4,413 ft.

Material	Thickness	Depth
Clay, blue and gray	35	35
Clay, gray, with white streaks	130	165
Clay, gray, with shells and wood	120	285
Clay, blue and gray, with peat	52	337
Clay, gray, with some shale	198	535
Sand, fine; some water	40	575
Clay, blue and gray, with some shale	165	740
Clay, white, with sand and shale	15	755
Clay, gray, with a little gravel	33	788
Sand, fine to medium	7	795
Clay, gray, with some shale	48	843
Sand with some shale	15	858
Clay, bluish gray, with some shale	47	905
Sand, medium to coarse	25	930

(B-13-1)28acb-1. Log by T. J. Smith Alt. 4,449 ft.

Material	Thickness	Depth
Clay, brown	30	30
Sand, fine	3	33
Clay and streaks of hardpan	7	40
Sand and fine gravel; water	20	60
Clay, blue	20	80
Sand, black	10	90
Clay	1	91
Clay, blue	29	120
Sand	5	125
Clay, yellow	25	150
Sand; small flow of water	25	175
Clay, yellow	25	200
Sand	5	205
Clay, yellow	5	210

Table 4.--Selected drillers' logs of wells - Continued

Cache County, Utah - Continued

Material	Thickness	Depth
(B-13-1)30caa-1. Log by J. H. Petersen. Alt. 4,445 ft.		
Clay, blue	6	6
Clay, yellow	24	30
Clay, blue	32	62
Clay, blue, sandy	8	70
Gravel, pea size	8	78
Clay, brown	5	83
Clay, blue, sandy	47	130
Clay, brown and blue	9	139
Clay, blue, sandy	6	145
Sand, coarse	6	151
Clay, blue	28	179
Gravel, pea size, blue	5	184
Gravel and clay, blue	12	196
Gravel, pea size, blue	4	200
Clay, blue	17	217
Quicksand, bluish black	7	224
Clay, blue	8	232
Quicksand	22	254
Clay, blue	17	271
Sand, fine, black and blue	6	277
Clay, blue	16	293
Clay, brown	7	300
Gravel, coarse	1	301
Clay, blue	1	302
Gravel, coarse	13	315
Clay, yellow, and gravel	9	324
Broken limestone	3	327

Material	Thickness	Depth
(B-14-2)26cba-1. Log by driller (from owner's memory). Alt. 4,830 ft.		
Soil, sand, clay, and some gravel	19	19
Clay	156	175
Gravel, fine; water	25	200
(B-14-2)26cbd-1. Log by Cache Valley Drilling Co. Alt. 4,832 ft.		
Soil with some gravel	10	10
Clay, gray	50	60
Gravel; trace of water	5	65
Lime, gray	335	400
(B-14-2)34aac-2. Log by Cache Valley Drilling Co. Alt. 4,903 ft.		
Topsoil	4	4
Sand; trace of water	4	8
Clay, brown	3	11
Clay, blue	11	22
Clay, sand, and gravel	28	50
Gravel, small, with clay lenses	10	60
Gravel (water level at 15 ft)	6	66
Clay, gray	1	67
Sand and gravel with clay lenses (water level at 2 ft)	14	81

Material	Thickness	Depth
(B-15-1)34ccc-1. Log by Andrew Well Drilling Contractors. Alt. 4,510 ft.		
Sand, wind blown	15	15
Sand, wind blown; water	5	20
Sand	60	80
Sand and clay	10	90
Clay, blue	25	115
Clay, blue, and sand	25	140
Clay, blue, and sand, hard	70	210
Clay and sand	45	255
Sand, black	7	262
Clay, green, and coarse sand	23	285
Clay, green, and gravel	5	290
Clay, green, and coarse sand and gravel	15	305
Clay, gray, and some sand	10	315
Clay, gray, and sand	10	325
Sand, fine, and gravel	13	338
Sand, fine	7	345
Clay, gray, very sticky	10	355
Clay, gray, and sand	18	373
Sand	12	385
Sand and clay	12	397
Clay, green	13	410

Bannock County, Idaho

Material	Thickness	Depth
13S-38E-3ddc1. Log by George Gailey Alt. 4,835 ft.		
Topsoil	3	3
Gravel, pea size; some water	9	12
Clay, yellow	19	31
Boulders	16	47
Clay, white, and gravel; water	18	65
Clay, yellow, and gravel	23	88
Clay, yellow	32	120
Sandstone and gravel	16	136
Clay, yellow	61	197
Sandstone	46	243
Clay, blue	14	257
Clay, yellow	7	264
Sandstone and yellow clay	45	309
Shale, blue, sandy	25	334
Shale, sticky	11	345
Clay, blue, and shale layers	55	400
Depth of finished well 382 ft		
13S-38E-10ccc1. Log by R. A. Dursteler. Alt. 4,795 ft.		
Clay, red	11	11
Sand and gravel	1	12

Material	Thickness	Depth
13S-38E-10ccc1 - Continued		
Clay, red	4	16
Clay, blue	37	53
Sand, fine	1	54
Peat	9	63
Clay, blue	15	78
Clay, sandy, blue	10	88
Sand, fine	1	89
Clay, white	17	106
Sand and fine gravel	5	111
Peat	2	113
Clay, blue	16	129
Clay, blue, and gravel	3	132
Clay, blue	5	137
Sand, fine	1	138
Clay, blue	33	171
Sand, fine	4	175
Clay, blue, and gravel	3	178
Sand, coarse	2	180
Clay, blue, and gravel	28	208
Clay, red, and gravel	1	209
Sand and gravel	10	219
Clay, blue, and gravel	5	224
Clay, blue	26	250

Material	Thickness	Depth
13S-38E-10ccc1 - Continued		
Clay, blue, and gravel	22	272
Clay, blue	18	290
Sand, fine	2	292
Clay, blue, and gravel	16	308
Sand, fine	1	309
Clay, blue	1	310
13S-38E-17dd1. Log by C. B. Gardner. Alt. 5,040 ft.		
Soil, gravelly	5	5
Clay	33	38
Clay, yellow	7	45
Clay, gravelly	34	79
Clay	36	115
Clay, gravelly	15	130
Gravel	8	138
Clay, gravelly	10	148
Gravel, fine	4	152
Clay, gravelly	8	160
Gravel, dirty	40	200
Clay, gravelly	20	220
Gravel	10	230
Clay	2	232

Franklin County, Idaho

Material	Thickness	Depth
13S-38E-28ddc1. Log by C. B. Gardner Alt. 4,775 ft.		
Soil	3	3
Clay	9	12
Gravel	9	21
Clay, blue	81	102
Gravel	43	145
Clay, gravelly	24	169
Clay, blue	6	175
Clay, gravelly	2	177
Gravel	1	178
Clay	5	183
Gravel	3	186
Clay	3	189
Gravel	3	192
Clay, gravelly	2	194
Gravel	18	212
Clay, gravelly	6	218
13S-39E-25dda1. Log by driller (not known). Alt. 4,985 ft.		
Topsoil	13	13
Clay, red, and cobbles; some water	27	40
Clay, yellow, and cobbles	28	68
Boulders, large, and brown clay	2	70
Sand and fine gravel	2	72
Sand, gravel, and boulders; some water	17	89
Shale-like sandstone	33	122
Clay, white	4	126
Gravel, boulders, and clay	10	136
Sandstone, green	2	138
Gravel, rock,,and clay	15	153
Lime rock, loose or broken	12	165
Soapstone, green, with gravel stringers	20	185
Rock, black, soft, and blue clay	35	220
Rock, gray, hard	4	224
Clay, blue	2	226
Rock, gray, hard, broken	2	228
Rock, gray, hard	6	234
13S-40E-19dda1. Log by driller (not known). Alt. 5,090 ft.		
Mud, black	24	24

Material	Thickness	Depth
13S-40E-19dda1 - Continued		
Clay, gray	8	32
Clay, gray, and fine gravel	2	34
Clay, gray	3	37
Gravel	2	39
Clay, gray	1	40
Gravel	2	42
Clay, gray, sandy	22	64
Sand, fine	5	69
Clay, gray, sandy	5	74
Sand, coarse, and fine gravel	8	82
Clay, yellow, and gravel	2	84
Sand, coarse, and fine gravel	14	98
Clay, gray	2	100
Shale, gray	4	104
14S-38E-15dcc2. Log by Bert Westlake. Alt. 4,778 ft.		
Topsoil	3	3
Sand and gravel	7	10
Gravel	2	12
Sand	5	17
Clay and gravel	7	24
Sand	24	48
Clay, sandy, black	80	128
Gravel	4	132
Clay, black	2	134
Sand and gravel	6	140
Sand and fine gravel	10	150
Sand and gravel	4	154
Sand	5	159
Sand and fine gravel	11	170
Sand	16	186
Clay	1	187
Sand and gravel	2	189
Sand	7	196
Gravel and sand	2	198
Sand	2	200
Sand and gravel	9	209
Gravel	8	217
14S-38E-16bdd1. Log by George Gailey. Alt. 4,840 ft.		
Topsoil and boulders	23	23

Material	Thickness	Depth
14S-38E-16bdd1 - Continued		
Clay and gravel	8	31
Sandy clay	15	46
Clay and gravel	8	54
Gravel; water	4	58
Clay and gravel	8	66
Gravel	6	72
Clay and gravel	4	76
Clay, brown	51	127
Gravel	2	129
Clay, brown	13	142
Clay and some sand and gravel	2	144
Clay, brown	7	151
Gravel	4	155
Clay	6	161
Gravel	4	165
Clay and gravel	11	176
Gravel, sandy	8	184
Clay	5	189
Gravel	2	191
Clay	5	196
Gravel and clay	7	203
Gravel	7	210
Clay	6	216
Gravel	15	231
Clay	12	243
Gravel	10	253
Clay	13	266
Gravel	27	293
Clay	7	300
14S-38E-22aba1. Log by Ivan Bortz. Alt. 4,765 ft.		
Topsoil and clay	30	30
Sand; little water	48	78
Clay	77	155
Gravel, small;water	9	164
Clay and gravel	13	177
Gravel and some cobbles; water	23	200
14S-38E-22ccb1. Log by Ivan Bortz. Alt. 4,893 ft.		
Dirt	9	9

Table 4.--Selected drillers' logs of wells - Continued

Franklin County, Idaho

Material	Thickness	Depth
14S-38E-22ccb1 - Continued		
Gravel, rock, and clay	15	24
Clay, yellow, and gravel	22	46
Clay, red, and gravel	7	53
Clay, yellow, and gravel	89	142
Clay, yellow, and gravel; water	3	145
Sandstone	6	151
Clay, yellow, and gravel; water	3	154
Sand and clay, soft	6	160
Clay and gravel	12	172
Clay, sandy, soft	23	195
Gravel	9	204
Clay and gravel strips	5	209
Gravel	6	215
Clay	7	222
Gravel	1	223
Clay	2	225
Gravel and clay strips	5	230
Clay	1	231
Gravel	3	234
Clay	3	237
Gravel and clay strips	13	250
Gravel	3	253
Sand	7	260
Clay	6	266
Gravel	4	270
Sand, clay, and gravel	35	305
Clay, yellow	20	325
Shale	13	338
Sand	4	342
Gravel	5	347
Clay and sandstone	3	350
14S-38E-26adc1. Log by C. B. Gardner. Alt. 4,750 ft.		
Soil	5	5
Sand	35	40
Clay, blue	316	356
Gravel	36	392
Clay	6	398
Gravel	20	418
Clay	24	442
Gravel	4	446
Clay	3	449
Gravel	40	489
Dry	1	490
Gravel	30	520
14S-38E-35bc. 2. Log by Cushman and Jenkins Drilling Co. to 350 ft; deepened by Ivan Bortz. Alt. 4,760 ft.		
Topsoil	6	6
Sand and clay	4	10
Sand	18	28
Clay	22	50
Clay; water	60	110
Gravel, water	12	122
Clay, sticky, and gravel	11	133
Sand and clay	4	137
Shale, green; water	213	350
Clay, blue, white clay, and gravel, thin bedded	25	375
Clay, soft, sticky, white (hole keeps squeezing)	5	380
Clay, hard, white	6	386
Gravel and sand	10	396
Limestone cobble rock	14	410
Limestone, solid	8	418
Gravel and sand	5	423
Limestone	17	440
Clay, blue, and some gravel	7	447
Clay, blue	1	448
Gravel	2	450
Gravel and sand	4	454
Clay, blue	11	465
Sand; water	1	466
Gravel, rock, and sand	4	470
14S-39E-7bba1. Log by R. A. Dursteler. Alt. 4,760 ft.		
Clay, red	12	12
Sand, fine; seep of water	2	14
Clay, red	11	25
Sand, fine; water	10	35
Clay, blue	2	37
Clay, red	8	45
Clay, gray	112	157
Clay, blue	22	179
Gravel, fine, and coarse sand; water	8	187
Clay, blue, and fine gravel	7	194
Sand, fine	8	202
Clay, yellow, and gravel	10	212
Clay, yellow	5	217
Clay, yellow, and gravel	8	225
Sand, fine	2	227
Clay, white, and gravel	3	230
Sand and fine gravel	1	231
Clay, white, and gravel	9	240
Clay, yellow, and gravel	10	250
Sand, coarse, and fine gravel	1	251
14S-39E-7bba1 - Continued		
Clay, blue, and gravel	13	264
Clay, white, and gravel	2	266
Clay, yellow	2	268
Clay, yellow and gravel	3	271
Clay, red, and coarse gravel	6	277
Sand, fine	at	277
14S-39E-8ada1. Log by Ivan Bortz. Alt. 4,850 ft.		
Clay, brown	58	58
Sandstone	2	60
Clay, brown, and gravel	35	95
Gravel	20	115
Quicksand	15	130
Cobbles and gravel, heaving	13	143
Sand, heaving	32	175
Clay, yellow, pea gravel, and sand	26	201
Sandstone	5	206
14S-39E-9bad1. Log by Cushman Drilling Co. Alt. 4,885 ft.		
Clay, red	27	27
Clay, brown	44	71
Clay, red and brown	11	82
Clay and rock	13	95
Clay and gravel	108	203
Clay	7	210
14S-39E-20cdb1. Log by R. A. Dursteler. Alt. 4,750 ft.		
Topsoil	3	3
Clay, red, sandy	21	24
Sand, fine	4	28
Clay, red	12	40
Clay, blue	4	44
Sand, blue (trace of gas)	2	46
Clay, gray	88	134
Clay, blue	8	142
Clay, sandy	4	146
Conglomerate, soft; consists of fine gravel and sand	10	156
Shale, green, hard	18	174
Conglomerate, hard	14	188
Shale, green	2	190
14S-40E-30abb1. Log by Ivan Bortz. Alt. 4,729 ft.		
Soil	2	2
Gravel	24	26
Sand, brown	54	80
Clay, brown	20	100
Clay, blue, and shale; very little water	25	125
Clay, brown; little water	10	135
Gravel; water	1	136
Clay, brown; water	24	160
Clay and sand	5	165
15S-38E-11bbc1. Log by Ivan Bortz. Alt. 4,784 ft.		
Topsoil	5	5
Hardpan	5	10
Clay, sandy	16	26
Quicksand; water	9	35
Clay, yellow, gummy	17	52
Clay, brown, sandy, and fine gravel	13	65
Clay, blue, and fine gravel	21	86
Clay, yellow	39	125
Clay, blue, and blue shale	73	198
Sand	5	203
Clay, blue, and shale	22	225
Shale, blue, hard	5	230
Shale, white, sandy	8	238
Shale and clay, blue, in about 6-inch layers	7	245
15S-38E-23aaa1. Log by Ivan Bortz. Alt. 4,750 ft.		
Topsoil	2	2
Hardpan	13	15
Sand, fine	97	112
Sand and brown clay, interbedded	36	148
Clay, brown, very sandy	57	205
Sand, silty	23	228
Clay, blue (gas)	2	230
Clay, brown, sandy	15	245
Shale and sandy blue clay stringers	8	253
Sand, fine	7	260
Clay, blue, sandy	58	318
Clay, brown, sandy	4	322
Clay, blue, and shale with sand stringers	46	368
Clay, blue, and gravel	3	371
Shale, blue, hard	4	375
Gravel, large, and blue clay	6	381
Shale and gravelly blue clay stringers	29	410
Clay, blue	4	414
Shale, blue	4	418
Clay, blue, and gravel	17	435
Sand, coarse, and gravel	5	440
Clay, blue, and gravel	3	443
Shale and gravel, interbedded	32	475
Shale, blue, hard, solid	at	475
15S-38E-31bbc1. Log by George Gailey. Alt. 5,060 ft.		
Topsoil	6	6
Clay, brown, sandy	65	71
Clay, brown, and gravel	76	147
Clay, brown	8	155
15S-38E-36bab1. Log by H. E. Summerford, geologist. Alt. 4,725 ft.		
Sandstone and siltstone; very fine-grained, glassy angular grains; mostly unconsolidated	315	315
Shale, gray, gritty	155	470
Gravel; coarse quartz pebbles, sandstone and shale fragments; gastropods	30	500
Shale, pale greenish-gray, and intercalated sandstone; a few quartz pebbles; gastropods	600	1,100
Conglomerate	690	1,790
Siltstone intercalated with fine-grained sandstone; some slightly calcareous, also carbonaceous and pyritic streaks (top of Salt Lake Formation reported at 1,790 ft)	240	2,030
Sandstone, fine-grained sub-angular grains, silty	40	2,070
Siltstone interbedded with fine sandstone; some calcareous beds, carbonaceous and pyritic streaks	570	2,640
Sandstone and conglomerate; siltstone interbedding	30	2,670
Siltstone, calcareous, with interbedded shale	170	2,840
Sandstone with interbedded shale	30	2,870
Siltstone, calcareous	65	2,935
Quartzite, green-stained; pyritic and micaceous; some calcite veining	165	3,100
Sandstone and some siltstone; slightly pyritic; minor calcite veining	170	3,270
Siltstone; very similar to above	360	3,630
Sandstone, fine-grained, grading into siltstone; dolomitic in places	90	3,720
Siltstone and streaks of quartzite; hard and tight	100	3,820
Quartzite; abundant mica and some pyrite; streaks of volcanic ash and shale inclusions	170	3,990
Sandstone, very fine-grained, grading into quartzite as above; increase in volcanic ash content toward the bottom	260	4,250
Siltstone and volcanic sediments	70	4,320
Quartzite; rich green with olivene and epidote; hard and tight	80	4,400
Siltstone, hard, quartzitic	70	4,470
15S-40E-31ddd1. Log by Cache Valley Drilling Co. Alt. 4,685 ft.		
Soil	2	2
Clay, brown	26	28
Clay, gray	103	131
Conglomerate, gray cementing material; water at 147 ft	97	228
Marl, gray	17	245
Depth of finished well 217 ft		
16S-37E-13bca1. Log by Cache Valley Drilling Co. Alt. 5,250 ft.		
Soil	2	2
Gravel, cobbles, and clay	26	28
Gravel; water	7	35
Sand, silty, brown	8	43
Gravel; water	29	72
Sand, cemented, with gravel streaks	10	82
Clay, sandy, gray	19	101
16S-38E-6aad1. Log by C. B. Gardner. Alt. 5,005 ft.		
Soil	3	3
Clay	29	32
Gravel	2	34
Clay	29	63
Gravel; water	46	109
16S-38E-8bab1. Log by C. B. Gardner. Alt. 4,940 ft.		
Soil	3	3
Clay	11	14
Gravel	9	23
Clay, blue	26	49
Clay, blue, and some fine gravel	11	60
Clay, blue	13	73
Gravel	5	78
Clay	14	92
Gravel	6	98
Clay	25	123
Gravel	2	125
Clay	5	130
Gravel	8	138
Gravel and clay	8	146
Gravel	10	156

Table 4.--Selected drillers' logs of wells - Continued

Franklin County, Idaho - Continued

Material	Thickness	Depth
16S-38E-24acb1. Log by Andrew Well Drilling Contractors. Alt. 4,585 ft.		
Topsoil	2	2
Clay, black, tough	4	6
Clay, brown, gumbo	26	32
Clay, blue, sandy	68	100
Clay, blue	60	160
Sand; water	5	165
Gumbo, blue, and gravel	35	200
Gumbo, blue, and sand; water	5	205
Gumbo, blue	5	210
Gravel, cemented	11	221
Clay, blue, and gravel	29	250
Clay, with layers of sand (possible some water at 290 ft and 310 ft)	65	315
Gravel, cemented	15	330
Clay, blue, and gravel	29	359
Gravel, cemented	6	365
Sandstone	7	372
Clay, blue	14	386
Sandstone	9	395
Clay, blue	20	415
Gravel, cemented	7	422
Clay, blue, tough, and gravel	4	426
Clay, blue, soft	6	432
Gravel, cemented	12	444
Clay, blue	12	456
Sand, blue	5	461
Clay, blue	12	473
Gravel, cemented	32	505
Gravel and sand	3	508
Clay, blue, tough	40	548
16S-39E-1bcc1. Log by Ivan Bortz. Alt. 4,565 ft.		
Soil	1	1
Clay, yellow	19	20
Clay, blue	45	65
Clay, blue and white, and trace of coarse sand	40	105
Clay, blue and white, and some red clay	15	120
Clay, white, chalky	15	135
Clay, blue	19	154
Sand	1	155
Shale and blue clay in alternating beds; shale beds about 6 inches thick and clay beds about 3 feet thick	55	210
Shale and some sand	5	215
Gravel	35	250
16S-39E-7cad2. Log by R. A. Dursteler. Alt. 4,565 ft.		
Clay, red, sandy	18	18
Clay, gray, sandy	19	37
Sand, very fine	2	39
Clay, gray	84	123
Sand, fine	3	126
Sand, coarse	4	130
Clay, gray	9	139
Sand, fine	1	140
16S-39E-9ccc1. Log by Frank Palmer. Alt. 4,527 ft.		
Clay	5	5
Gravel	14	19
Clay	11	30
Clay, sandy	10	40
Shale, blue	85	125
16S-39E-9ccc1 - Continued		
Shale, brown, hard	5	130
Shale, brown, soft	8	138
Shale, blue	30	168
Sand with a little gravel	2	170
Shale, green	10	180
Shale and sand	3	183
Sand	22	205
16S-39E-18cac1. Log by C. B. Gardner. Alt. 4,570 ft.		
Soil	2	2
Clay, sandy	4	6
Sand	3	9
Clay, yellow	31	40
Clay, blue	120	160
Clay, gravelly	9	169
Clay, blue	28	197
Gravel	3	200
Clay, blue	2	202
Gravel	1	203
Clay, blue	26	229
Gravel	3	232
Clay, blue	2	234
Gravel	3	237
Clay, blue	31	268
Gravel	4	272
Clay, blue	1	273
Gravel	2	275
Clay, blue	16	291
Gravel	5	296
Clay, blue	11	307
Gravel	1	308
Clay, blue	22	330
Gravel	3	333
Clay, blue	8	341
Gravel	10	351
Clay, blue	15	366
Gravel	1	367
Clay, blue	29	396
Gravel	3	399
Clay, blue	29	428
Gravel	5	433
Clay, blue	32	465
Gravel	3	468
Clay, blue	13	481
Gravel	5	486
Clay, blue	2	488
Gravel	8	496
Clay, blue	17	513
Gravel	2	515
Clay, blue	3	518
16S-40E-16cac1. Log by R. A. Dursteler. Alt. 4,512 ft.		
Topsoil	2	2
Gravel, coarse	11	13
Clay, blue	26	39
Sand, very fine, blue	16	55
Conglomerate, very hard	10	65
Clay, gray, sandy	11	76
Conglomerate	4	80
16S-40E-17bbb1. Log by R. A. Dursteler. Alt. 4,548 ft.		
Clay, red	6	6
Sand, fine	1	7
Clay, red	12	19
Clay, blue	66	85
16S-40E-17bbb1 - Continued		
Clay, yellow, sandy	3	88
Clay, blue	7	95
Clay, gray (trace of gas)	3	98
Clay, gray, and gravel	6	104
Gravel, medium and coarse	1	[illegible]
Conglomerate	7	112
Clay, white, and fine gravel	11	[illegible]
Gravel, fine, and sand	1	124
Gravel and clay	7	132
Sand, coarse, and gravel	2	[illegible]
Clay, yellow	2	[illegible]
Clay, yellow, and gravel	4	140
Sand, coarse	9	149
Clay, white	3	152
Gravel, coarse, and clay	13	165
Sand, very coarse	1	166
Gravel, coarse, and clay	4	170
Shale, green	10	180
16S-40E-20cdc1. Log by W. F. Dalton. Alt. 4,475 ft.		
Earth	4	4
Gravel and sand	18	22
Marsh clay, bluish	52	74
Sand; water, no flow	6	80
Clay, blue	17	97
Sand and fine pea gravel (looks like green and pink quartzite)	15	112
Gravel, coarse and pea size	2	114
Clay, blue, mixed with soft blue lime and quartzite	2	116
Sand and fine gravel (flowed 60 gpm)	10	126
Gravel	8	134
Clay, blue	27	161
Gravel, coarse	3	164
Clay, red	9	173
Conglomerate of green and yellow lime and quartzite	11	184
Sand, gravel, and shells (flowed 150 gpm)	4	[illegible]
Clay, red	7	[illegible]
Gravel (flowed 160 gpm)	17	208
Conglomerate	6	214
Clay	1	215
16S-40E-20dca2. Log by R. Moss. Alt. 4,498 ft.		
Topsoil	[illegible]	2
Clay, yellow	23	25
Clay, blue	38	63
Clay, brown, hard	7	70
Clay, blue	42	112
Clay, blue, with streaks of gravel	10	122
Clay, blue, sandy	23	145
Sand and gravel	8	153
Clay, blue, sandy	16	169
Sand, gravel, and boulders	50	219
Clay, yellow	14	230
Sand, gravel, and boulders	5	235
Clay, sand, gravel, and boulders	9	244
Clay, yellow	4	248
Sand, gravel, and boulders	24	272
Clay, blue	16	288
Sand, gravel, and boulders	50	338
Sand and gravel, cemented	20	358
Clay, gray, and gravel	12	370
Clay, blue, with some gravel	30	400

TABLE 5.--CHEMICAL ANALYSES OF WATER FROM SELECTED WELLS AND SPRINGS

LOCATION: SEE DESCRIPTION OF NUMBERING SYSTEM IN TEXT.
AGE OF AQUIFER: Q, QUATERNARY; T, TERTIARY; M, MISSISSIPPIAN; D, DEVONIAN; O, ORDOVICIAN; C, CAMBRIAN; Y, PALEOZOIC OR PRECAMBRIAN.
IRON: ANALYSES BY U.S. GEOLOGICAL SURVEY ARE OF IRON IN SOLUTION AT TIME OF ANALYSIS. ANALYSES BY OTHERS ARE OF IRON IN SOLUTION AT TIME OF COLLECTION OR, WHERE INDICATED BY T, OF TOTAL IRON IN SAMPLE.
SODIUM AND POTASSIUM: AN ENTRY OF C IN POTASSIUM COLUMN INDICATES THAT SODIUM AND POTASSIUM ARE CALCULATED AND REPORTED AS SODIUM.
SAR: SODIUM ADSORPTION RATIO.
AGENCY MAKING ANALYSIS: CO, COMMERCIAL LABORATORY; GS, U.S. GEOLOGICAL SURVEY; SH, UTAH OR IDAHO STATE DEPARTMENT OF HEALTH; SU, UTAH STATE UNIVERSITY.

LOCATION	AGE OF AQUIFER	DATE OF COLLECTION	TEMPERATURE (°C)	SILICA (SiO_2)	IRON (FE)	CALCIUM (CA)	MAGNESIUM (MG)	SODIUM (NA)	POTASSIUM (K)	BICARBONATE (HCO_3)	CARBONATE (CO_2)	SULFATE (SO_4)	CHLORIDE (CL)
				MILLIGRAMS PER LITER									
CACHE COUNTY, UTAH -- WELLS													
(A-10- 1) 4DAA-1	Q	6-17-68	12	9.7		68	28	12	1.4	294	0	56	12
(A-10- 1) 6CCC-1		4-18-68	11	60		37	24	51	C	288	0	22	32
(A-10- 1)28DBA-1	Q	6-17-68	12	37		56	23	9.0	5.9	272	0	25	12
(A-11- 1) 3ACA-1	Q	3-12-54		11	.02	73	14	13	C	294	0	9.8	6.0
(A-11- 1) 3BDA-1	Q	1-10-41		4.7	.25	65	20	6.5	C			12	10
(A-11- 1) 3BDA-1	Q	3-12-54		11	.37	79	14	12	C	315	0	14	4.0
(A-11- 1) 8DDA-3	Q	10-26-60	10	8.2	.01	32	24	5.4	1.4	187	0	24	8.0
(A-11- 1) 8DDA-3	Q	4- 4-61	10	8.4	.00	60	21	5.9	1.1	266	0	20	5.5
(A-11- 1) 8DDA-3	Q	8-31-62	11					10	C	284	0	35	8.0
(A-11- 1) 8DDA-3	Q	10-29-64	11	9.0		64	24	6.5	1.4	294	0	18	9.0
(A-11- 1) 8DDA-3	Q	3-17-66	10							291	0		
(A-11- 1) 8DDA-3	Q	10-18-67	10							308	0		
(A-11- 1) 8DDA-3	Q	3-18-68	9							303	0		
(A-11- 1) 8DDA-3	Q	2- 4-69	10							309	0		10
(A-11- 1) 9ACB-2	Q	7-20-60		8.1	.02	83	25	7.6	1.0	333	1	22	12
(A-11- 1)10DAD-1	Q	8-31-66		9.0	.01	66	25	6.0	3.0	292	1	14	15
(A-11- 1)18DDD-1	Q	10-13-59		7.5		59	22	7.1	C	256	0	33	6.5
(A-11- 1)18DDD-1	Q	10-26-60	11	8.0	.02	59	23	4.7	1.4	251	0	35	6.0
(A-11- 1)18DDD-1	Q	8-31-62	11	8.1	.02	63	20	5.0	.9	251	0	32	6.5
(A-11- 1)28ADA-1	Q	7- 4-68	10	7.9		56	27	5.2	1.1	266	0	34	3.7
(A-11- 1)27CDC-1	Q	7- 4-68	11	7.4		72	19	5.1	.7	252	0	55	5.3
(A-11- 1)32DCB-1	Q	3-28-68			2.5 T	68	36	9.0	7.0	390	0	15	40
(A-12- 1) 3CBD-2	Q	8-19-66		23	.01	62	32	12	6.0	339	1	8.0	15
(A-12- 1)10DCC-1	Q	4-11-63		19	.01	38	16	44	5.3	245	2	13	17
(A-12- 1)15CBB-1	Q	9-30-65		22	.01	68	23	16.0	6	338	1	7.0	11
(A-12- 1)16DDD-1	Q	4-17-68	22	17		56	26	32	C	327	0	16	12
(A-12- 1)17ADA-1	Q	5-27-59		43	.03	43	21	27	8.0	288	1	10	11
(A-12- 1)17ADA-1	Q	7-13-60		25	.02	55	15	23	9.2	281	1	6.6	15
(A-12- 1)18CBA-1	Q	4-18-68	16	20		37	18	24	2.6	252	0	.8	9.4
(A-12- 1)27CAB-1	Q	1- 3-64		10	.01	48	23	5.3	1.8	245	1	6.2	10
(A-12- 1)27DCD-1	Q	2-22-62		6.8	.03	61	15	4.8	1.0	235	2	19	5.0
(A-12- 1)27DCD-1	Q	8-15-62		7.0	.02	52	21	5.0	1.4	237	1	12	8.0
(A-12- 1)27DCD-1	Q	9- 4-62			.18 T								
(A-12- 1)28ABD-1	Q	7-13-60		28	.04	52	14	37	9.7	255	1	23	28
(A-12- 1)28BAA-5	Q	7-13-60		20	.02	56	15	23	6.7	252	1	19	18
(A-12- 1)31DAB-1	Q	10-25-60	12	13	.02	52	21	11	1.9	245	0	25	10
(A-12- 1)31DAB-1	Q	4- 4-61	12	14	.00	51	20	11	2.0	251	0	14	9.0
(A-12- 1)31DAB-1	Q	8-31-62	12	7.7	.07	54	20	4.5	.9	250	0	14	5.5
(A-12- 1)32CBB-1	Q	6- 1-61	14	6.8	.00	51	21	6.4	.8	245	0	13	6.0
(A-12- 1)32CBB-1	Q	5-25-62	16		.03					248	0		7.5
(A-12- 1)32CBB-1	Q	8-31-62	16	11	.00	55	19	7.5	1.5	246	0	16	6.5
(A-12- 1)32CBB-1	Q	2- 6-63	16		.03					249	0		14
(A-12- 1)34CCA-1	Q	2- 1-63		9.0	.12	42	21	7.0	1.5	197	2	9.0	8.0
(A-12- 1)35BCC-1	Q	3-14-63		7.3	.05	46	21	6.5	.2	218	4	14	10
(A-13- 1)19CAC-1	T	7- 9-57	21	13	.67	42	36	204	4.9	286	0	1.2	342
(A-13- 1)20ACB-2	Q	8-22-41		4.9	.10	48	23	17				10	19
(A-13- 1)20ACB-2	Q	2-24-46		20		49	23			180	0	7.6	15
(A-13- 1)20ACC-1	Q	2-25-46		5.4		51	25	6.1	C	200	0	3.6	14
(A-13- 1)20BAC-1	Q	2-24-46		10		35	29	15	C	205	0	6.9	19
(A-13- 1)28AAA-1	Q	7- 9-68	11	8.6		48	26	5.2	.5	266	0	7.5	5.1
(A-13- 1)29CDD-3	Q	7-20-60		12	.02	45	16	23	1.2	242	1	6.6	14
(A-14- 1) 6CCC-1	Q	4-17-68	7	13		112	112	239	C	722	0	239	268
(A-14- 1)22BAD-1	Q	4-17-68	9	11		53	17	13	C	274	0	15	5.6
(A-14- 1)26DAD-1	T	5- 9-68		34	.00	19	18	17	10	165	0	11	20
(A-14- 1)34CAC-2	Q	4-17-68	10	14		81	26	21	C	374	0	10	12
(B-10- 1)23ACA-1		4-18-68	11	18		61	19	35	C	286	0	24	27
(B-11- 1) 9CDB-1	Q	4-17-68	10	50		92	29	72	C	480	0	1.8	79
(B-11- 1)14AAA-3	Q	4-18-68	13	11		66	28	26	C	284	0	76	16
(B-11- 1)15DBA-1	Q	7-21-48	11	39		23	22	31	C	171	12	13	29
(B-11- 1)22DDA-1	Q	5-27-68	11	30		57	23	44	C	326	0	5.0	44
(B-11- 1)35ACC-3	Q	3-20-68	8	31		81	21	31	6.3	411	0	.7	13
(B-11- 1)35CAA-2	Q	5-27-68	13	47		54	24	34	C	312	0	2.8	36
(B-11- 1)36DAD-1	Q	3-20-68	8	32		96	39	12	6.0	504	0	18	5.5
(B-12- 1) 2BCD-1		4-18-68	21	24		128	53	107	C	250	0	.5	400
(B-12- 1) 8DCC-1	Q	10-27-49		69		45	35	77	C	362	0	38	59
(B-12- 1) 8DCC-1	Q	8-21-50		71				91	C	360	0	15	61
(B-12- 1) 8DCC-1	Q	8-14-51	13							364	0		59
(B-12- 1) 8DCC-2	Q	8-21-50	11	68		36	25	113	C	384	0	30	62

FLUO RIDE (F)	NITRATE (NO_3)	BORON (B)	CA,MG HARDNESS (AS $CaCO_3$)	NONCARB-ONATE HARDNESS	DISSOLVED SOLIDS DETER-MINED	DISSOLVED SOLIDS CALCU-LATED	SPECIFIC CONDUCTANCE (MICROMHOS PER CM AT 25°C)	SAR	PH	AGENCY MAKING ANALYSIS
.4	.9	.04	287	46	334	333	564	.3	7.4	GS
	.1		193	0	358	368	564	1.6	7.7	GS
.3	.1	.03	233	10	294	302	468	.3	7.4	GS
.0	9.6		240	0	254	295		.4	7.4	SH
.2			245		283			.2	7.5	SH
.0	7.1		258	0	296	297		.3	7.3	SH
.1	1.3	.02	177	24	191	197	336	.2	8.2	GS
.2	1.6	.09	237	19	249	255	449	.2	7.8	GS
			258	25	266		491	.3	7.6	GS
.2	2.2	.03	260	19	272	285	462	.2	8.0	GS
							501		7.8	GS
			268	15			506		7.8	GS
							511		7.6	GS
			276	22			518		7.8	GS
.1	7.5	.11	310	4	331		655	.2	7.6	SH
.1	11	.00	266	3	296		520	.2	7.7	SH
	1.5		239	29		263	454	.2	7.3	GS
.1	.2	.00	242	36	259	261	443	.1	8.0	GS
.2	1.5	.03	238	32	254	260	457	.1	7.7	GS
.3	3.3	.01	248	30	260	270	469	.1	7.8	GS
.4	1.6	.02	260	53	284	291	492	.1	7.6	GS
.0	.6	.00	320	1	565		880	.2	7.8	CO
.1	19	.01	285	1	352		595	.3	7.6	SH
.3	3.4	.16	161	0	268		471	1.5	8.0	SH
.2	7.4	.00	266	0	325		545	.4	7.5	SH
	16		245	0	311	336	534	.9	7.4	GS
.4	4.4	.14	195	0	309	311	463	.8	7.6	SH
.4	.2	.14	197	0	289		535	.7	7.7	SH
.4	.2	.04	166	0	238	236	399	.8	7.7	GS
.1	.8	.00	216	15	227		405	.2	8.0	SH
.1	.4	.06	214	21	236		400	.1	8.2	SH
.2	.5	.09	214	20	235		419	.1	7.9	SH
							403		8.1	SH
.4	.3	.21	189	0	309		564	1.2	7.6	SH
.3	.2	.12	203	0	291		522	.7	7.6	SH
.1	.2	.02	217	16	244	254	426	.3	7.8	GS
.4	.1	.10	211	5	238	245	427	.3	7.7	GS
.1	1.9	.02	216	11	220	232	411	.1	7.7	GS
.1	1.1	.03	214	13	220	231	404	.2	7.7	GS
	.4		210	7			422		7.7	GS
.1	1.5	.01	213	11	227	239	418	.2	7.7	GS
	1.3		209	5			418		7.7	GS
	1.2	.00	191	29	210		375	.2	8.2	SH
.3	.9	.08	201	22	234		372	.2	8.5	SH
.1	.3	.40	254	19	789	786	1,480	5.6	6.8	GS
.2			213		255			.5	8.0	SH
			218	70	243				7.5	SH
			229	65	244			.2	7.8	SH
			206	38	257			.5	7.8	SH
.1	7.8	.01	228	10	233	240	427	.1	7.7	GS
.2	1.8	.14	179	0	240		469	.8	7.8	SH
	50		740	148	1,410	1,390	2,220	3.8	7.7	GS
	9.0		227	2	270	269	446	.4	7.6	GS
.4	7.5	.04	120	0	200		334	.7	7.5	SH
	24		308	1	353	372	617	.5	7.6	GS
	12		230	0	337	337	568	1.0	7.5	GS
	.7		350	0	525	560	945	1.7	7.5	GS
	.0		278	45	359	363	570	.7	7.7	GS
	.2		148	0		253	375	1.1		GS
	.0		238	0	363	363	622	1.2	7.8	GS
	4.0		290	0	381		620	.8	7.9	SU
	.3		235	0	374	351	613	1.0	7.2	GS
	1.5		400	0	489		725	.3	7.8	SU
	.0		536	331	1,010	835	1,600	2.0	7.9	GS
2.0	.0	.05	256	0		503	780	2.1	7.6	GS
2.2	.1		204	0			797		7.6	GS
							787			GS
2.2	.3	.04	193	0		526	821	3.5	7.7	GS

TABLE 5.--CHEMICAL ANALYSES - CONTINUED

LOCATION	AGE OF AQUIFER	DATE OF COLLECTION	TEMPERATURE (°C)	SILICA (SiO_2)	IRON (FE)	CALCIUM (CA)	MAGNESIUM (MG)	SODIUM (NA)	POTASSIUM (K)	BICARBONATE (HCO_3)	CARBONATE (CO_3)	SULFATE (SO_4)	CHLORIDE (CL)
				MILLIGRAMS PER LITER									
CACHE COUNTY, UTAH -- WELLS													
(B-12- 1) 8DCC-2	Q	8-14-51	11							392	0		64
(B-12- 1) 8DCC-2	Q	6-29-52	11	60	.03	34	22	114	6.7	380	0	27	64
(B-12- 1)11BBA-1	Q	7-12-48	14	44		42	24	54	C	328	0	3.7	33
(B-12- 1)11BBA-1	Q	10-27-49		39				51	C	326	0	3.0	31
(B-12- 1)11BBA-1	Q	8- 2-50		41				65	C	324	0	1.0	36
(B-12- 1)12BDC-5		12-10-57		3.6	3.0 T	225	60	104	C	168	0	223	475
(B-12- 1)12BDC-5		2-18-60		12	.67	149	53	94	8.0	171	0	2.1	473
(B-12- 1)14ABA-1	Q	7-12-48	18	32		43	16	43	C	279	0	3.5	21
(B-12- 1)14ABA-1	Q	10-27-49		28				43	C	292	0	3.0	22
(B-12- 1)27DCA-1	Q	4-18-68	12	43		49	27	55	C	352	0	8.8	39
(B-12- 1)32ABC-1	F	4-17-68	9	48		3.6	.2	177	C	418	20	2.8	11
(B-12- 1)36BBB-1	Q	6-30-48	12	29		49	21	29	C	266	0	2.3	36
(B-12- 1)36BBB-1	Q	7-16-48	12							264	0	3.5	33
(B-12- 1)36BBB-1	Q	10-27-49		22		49	23	23	C	266	0	3.1	32
(B-12- 1)36BBB-1	Q	8- 2-50		23				28	C	263	0	1.0	35
(B-12- 1)36BBB-1	Q	8-14-51	12							266	0		34
(B-13- 1)10ACB-1	Y	4-17-68	49	81		34	30	1,140	71	622	0	.8	1,690
(B-13- 1)25BAB-1	T	10-27-49		24				187	C	358	0	3.0	250
(B-13- 1)25BAB-1	T	8-21-50		26	.30	46	31	190	C	359	0	1.2	255
(B-13- 1)25BAB-1	T	8-14-51	28	24		44	31	182	6.1	358	0	1.1	255
(B-13- 1)25BAB-1	F	6-29-52	28							357	0		
(B-13- 1)25BAB-1	T	2-23-54				49	42	189	5.9	377	0	.0	258
(B-13- 1)28AAA-1	Q	7-16-48	15	68		88	27	118	C	290	0	8.2	241
(B-13- 1)28AAA-1	Q	10-27-49		61				114	C	294	0	3	240
(B-13- 1)28ACB-1	Q	6-30-48	15	62		78	27	96	C	328	0	3.7	170
(B-13- 1)28ACB-1	Q	7-16-48	15	65		58	22	108	C	251	11	2.8	172
(B-13- 1)28ACB-1	Q	10-27-49		56		81	25	94	C	326	0	1.2	170
(B-13- 1)28ACB-1	Q	8- 2-50		60				113	C	327	0	1.0	175
(B-13- 1)28ACB-1	Q	8-14-51	15							331	0		169
(B-13- 1)28ACB-1	Q	6-29-52	15							330	0		
(B-13- 1)30ACC-1	Q	5-27-52	11	71	.38	56	21	57	8.6	362	0	3.1	40
(B-13- 1)30ACC-1	Q	6- 8-54	12							348	0		40
(B-13- 1)30CAC-1	Q			40	.00	66	24	55	C	255	0	37	62
(B-14- 1) 5DDD-1	Q	6-25-68		22		100	44	71	3.5	316	0	165	105
(B-14- 1)17ADD-1	Q	2- 1-65		39	.35	28	14	285	50	415	2	188	168
(B-14- 1)17ADD-1	Q	4-26-65		36	.09	39	13	260	52	407	1	178	166
(B-14- 1)17ADD-1	Q	10- 3-66		35	.32	40	16	233	51	406	1	195	178
(B-14- 2)26CBA-1	Q	10- 8-68	11	43		60	31	36	6.5	396	0	1.0	22
(B-14- 2)27DDD-2	Q	6-24-68		47		127	37	28	24	420	0	54	55
(B-15- 1)36DDD-1	Q	10-28-68	12	20		91	79	144	24	590	0	130	182
BANNOCK COUNTY, IDAHO -- WELLS													
13S-38E-03DDA1	Q	3-26-65			.05	91	29			324	0	33	78
13S-38E-17DD 1	Q	7-18-68	16	14		51	14	14	C	224	0	10	14
FRANKLIN COUNTY, IDAHO -- WELLS													
13S-40E-30ACB1	Q	7-19-68	10	21		69	30	21	1.9	326	0	22	30
14S-38E-22ABA1	Q	3-11-68	11	28		69	14	21	C	279	0	16	19
14S-38E-22CCB1	Q	7-19-68	12	32		62	20	9.2	2.4	277	0	16	13
14S-38E-26ADC1	Q	7-16-68	13	28		75	21	15	4.0	310	0	17	26
14S-39E-08ADA1	Q	7-18-68	13	34		72	33	69	3.2	324	0	61	85
14S-39E-25ADD1	Q	7-22-68	16	45		89	35	58	5.6	496	0	40	30
15S-38E-11BBC1	Q	7-19-68	18	31		27	54	57	7.7	312	0	59	68
15S-39E-23BBB1	Q	7-18-68	13	38		68	59	29	4.0	492	0	24	36
15S-39E-31ABD1	Q	7-21-68	13	21		52	43	9.2	4.9	356	0	13	12
15S-40E-32BBA1	Q	7-21-68	12	37		46	37	23	5.4	304	0	27	29
16S-38E-06AAD1	Q	7-16-68	12	35		95	40	62	10	372	0	91	95
16S-38E-24ACB1	Q	7-16-68	24	68		60	29	80	19	414	0	5.0	84
16S-40E-17BBB1	Q	8-13-68	13	53		34	18	111	8.3	352	0	11	81
16S-40E-20CDC1	Q	4-17-68	13	35		45	21	49	C	295	0	12	36
CACHE COUNTY, UTAH -- SPRINGS													
(A- 9- 1)10BACS-1	Q	3-20-68	9	8.8		80	14	6.3	.3	285	0	15	10
(A-10- 1)16BBAS-1	Q	3-20-68	10	33		87	42	9.6	2.5	468	0	15	5.5
(A-10- 2) 2DC S-1	C	8-24-59		6.9	.09	74	5.7	3.4	.9	248	1	5.8	7.5
(A-10- 2)29ACDS-1	M	1-13-41		1.9	.00	57	20	7.3	C	262	0	7.5	9.0
(A-10- 2)29ACDS-1	M	3-22-60		6.1	.03	63	15	4.7	.3	251	1	13	7.5
(A-10- 2)29ACDS-1	M	5- 9-68	8	7.0		57	16	4.2	.4	244	0	8.8	5.5
(A-11- 1)15BBCS-1	Q	5- 8-68		11		74	35	7.2	1.2	348	8	24	8.6
(A-11- 1)18BDDS-1	Q	5- 8-68	11	9.2		66	31	10	1.9	300	0	51	9.5
(A-11- 1)23CDAS-1		6- -41		1.8	.00	55	25	9.1	C	262	0	25	14
(A-11- 1)23CDAS-1		4-18-68	12	7.3		54	28	4.8	.7	280	0	29	6.5
(A-11- 1)34DCBS-1	Q	3-27-50		17	.00	77	30	7.4	C	349	0	15	7.9
(A-11- 1)34DCBS-1	Q	3-30-60		13	.02	88	25	8.7	2.0	366	1	11	11
(A-11- 2)18ACDS-1	M	6- -41		2.0	.00	46	16	7.1	C	201	0	14	11
(A-11- 2)18ACDS-1	M	3-23-60		5.1	.03	50	13	2.8	.8	201	1	8.8	6.5
(A-11- 2)18ACDS-1	M	5-10-68	6	5.1		44	17	2.2	.4	210	0	9.2	3.1
(A-12- 1) 4BABS-1	Q	5- 8-68		14		90	50	31	4.6	448	12	13	60
(A-12- 1)23CDDS-1	Q	3-31-55		12	.01	20	17	95	C	366	1	11	6.0
(A-12- 2)22DC S-1	D	11-29-40											
(A-12- 2)22DC S-1	D	3-16-51		5.1	.06T	47	17	1.4	C	186	1	3.3	1.8

LUO IDE F)	NITRATE (NO3)	BORON (B)	CA,MG HARDNESS (AS CACO3)	NONCARB-ONATE HARDNESS	DISSOLVED SOLIDS DETER-MINED	DISSOLVED SOLIDS CALCU-LATED	SPECIFIC CONDUCTANCE (MICROMHOS PER CM AT 25°C)	SAR	PH	AGENCY MAKING ANALYSIS
							816			GS
.0	.2	.23	176	0	518	517	815	3.7	7.8	GS
	.4		204	0		363	585	1.6		GS
.4	.1	.03	204	0			582		7.4	GS
.5	1.1		178	0			607			GS
.0	.7		808	670	1,150	1,180		1.6	7.5	SH
.3	.6	.15	591	451	1,180		1,710	1.7	7.6	SH
	5.8		174	0		302	481	1.4		GS
.4	.0	.02	180	0			489		7.3	GS
	.1		232	0	475	395	615	1.6	7.7	GS
	.2		10	0	472	468	708	24	8.6	GS
.4	.1		209	0		298	491	.9		GS
							492			GS
.4	.0	.02	217	0		284	495	.7	7.7	GS
.3	.0		206	0			499			GS
		.07					498			GS
.5	1.3	2.7	208	0	3,280	3,360	5,820	34	8.1	GS
.2	.0	.30	244	0			1,300		7.4	GS
.2	.4	.20	242	0	707	727	1,330	5.3	7.4	GS
.3	.3	.80	238	0		720	1,310	5.1		GS
							1,320			GS
					700		1,360	4.8		SU
	.7		330	93		694	1,180	2.8		GS
.2	.0	.02	336	95			1,200		7.4	GS
.6	1.0		306	36		600	1,020	2.4	7.5	GS
	1.0		235	12		563	937	3.1		GS
.6	.0	.02	305	38		588	1,020	2.3	7.4	GS
.5	.3		272	4			1,020			GS
							1,020			GS
							1,030			GS
.3	.4	.08	226	0	425	436	671	1.7	7.4	GS
							673		7.7	GS
.9	.0		255	46	473			1.5	9.3	SH
2.5	17	.04	430	171	703	685	1,090	1.5	7.8	GS
2.4	1.0	.00	127	0	970		1,580	11.1	7.8	SH
2.4	.5	.48	153	0	962		1,630	9.3	7.8	SH
1.1	.0	.27	165	0	988		1,460	7.8	7.7	SH
.5	11	.05	276	0	400	406	649	.9	7.7	GS
.5	127	.00	468	124	721	706	1,040	.6	7.7	GS
1.0	11	.15	552	68	980	972	1,590	2.7	7.9	GS
.2	.5		342	76	450				7.6	SH
	2.5		186	2	224	230	398	.4	7.6	GS
.4	13	.00	296	29	368	368	625	.5	7.6	GS
	5.1		231	2	303	309	504	.6	7.4	GS
.3	1.0	.00	236	9	286	292	472	.3	7.9	GS
.2	4.7	.02	274	20	340	343	566	.4	7.7	GS
.7	9.8	.08	314	48	531	527	880	1.7	7.7	GS
.5	4.0	.24	364	0	550	551	866	1.3	7.9	GS
.8	4.1	.08	288	32	462	462	779	1.5	7.8	GS
.5	.5	.08	414	11	486	501	831	.6	7.8	GS
.3	17	.00	308	16	333	347	564	.2	7.8	GS
.5	8.8	.02	268	19	369	363	591	.6	7.7	GS
.5	12	.02	400	95	632	623	1,020	1.4	7.8	GS
.4	.6	.47	268	0	533	550	872	2.1	7.8	GS
1.3	.6	.10	160	0	486	491	793	3.8	7.8	GS
	1.7		200	0	338	345	570	1.5	7.8	GS
	13		260	26	261		440	.2	8.0	SU
	10		390	6	432		670	.2	7.9	SU
.1	.4	.06	209	6	230			.1	7.8	SH
.0	1.5		224	9	306			.3	7.6	SH
.2	4.4	.09	219	13	235		406	.1	8.0	SH
.2	2.4	.01	208	8	220	222	388	.1	8.2	GS
.3	14	.02	326	28	345	354	596	.2	8.3	GS
.5	2.5	.04	290	44	329	330	553	.3	8.2	GS
.1	.0		239	24	275			.3	7.6	SH
.2	2.8	.04	251	21	258	275	465	.1	7.9	GS
.0	18		316	30	344			.2	7.8	SH
.1	5.2	.00	322	22	345		605	.2	7.8	SH
.5	.0		178	13	200			.2	7.3	SH
.1	.7	.05	178	13	195		339	.1	7.9	SH
.3	2.8	.01	180	8	187	187	333	.1	8.1	GS
.3	17	.01	428	41	534	512	888	.7	8.3	GS
.4	6.0		120	0	320	349		3.8	7.8	SH
			164		184					SH
.0	.3		189	36	193	196		.0	7.6	SH

TABLE 5.--CHEMICAL ANALYSES - CONTINUED

LOCATION	AGE OF AQUIFER	DATE OF COLLECTION	TEMPERATURE (°C)	SILICA (SiO_2)	IRON (FE)	CALCIUM (CA)	MAGNESIUM (MG)	SODIUM (NA)	POTASSIUM (K)	BICARBONATE (HCO_3)	CARBONATE (CO_2)	SULFATE (SO_4)	CHLORIDE (CL)
				MILLIGRAMS PER LITER									
CACHE COUNTY, UTAH -- SPRINGS													
(A-12- 2)22DC S-1	D	3-30-51	8	5.3	.01	49	18	1.4	1.6	230	0	8.1	1.8
(A-12- 2)22DC S-1	D	2-23-60		4.2	.02	47	16	1.0	.0	201	1	6.2	4.0
(A-12- 2)22DC S-1	D	5- 8-68	7	3.8		50	14	1.0	.2	216	0	5.5	2.2
(A-13- 1)32ADCS-1	Q	5- 8-68	12	12		76	31	6.4	6.4	348	10	10	8.9
(A-13- 2)21BA S-1	C	9- 1-41		1.2	.15	48	14	4.5	C	206	0	7.2	7.0
(A-13- 2)21BA S-1	C	7-20-60		4.0	.02	49	13	2.0	1.1	206	1	4.7	6.0
(A-13- 3)12 S-1	C	7-21-60		5.7	.02	46	19	5.0	.2	226	1	5.3	8.5
(A-13- 3)27AD S-1	O	10-14-58	7	6.3		51	15	3.5	C	224	0	8.4	2.0
(A-13- 3)27AD S-1	O	10-13-59		5.0		48	15	2.9	C	219	0	5.8	2.0
(A-13- 3)27AD S-1	O	10-24-60	7	5.4	.01	43	16	1.6	.8	209	0	6.8	4.0
(A-13- 3)27AD S-1	O	8-31-62	7	5.3	.03	55	12	1.7	.8	225	0	6.6	3.0
(A-13- 3)27AD S-1	O	10-16-62	7					1.7	C	225	0	3.7	2.5
(A-13- 3)27AD S-1	O	5- 8-68	7	5.0		46	16	1.2	.3	216	0	3.0	2.4
(A-14- 1) 1DDDS-1	Q	2-16-51		17	.00	29	21	14	C	208	0	6.3	5.5
(A-14- 1) 1DDDS-1	Q	3-22-60		15	.02	39	18	4.4	1.1	200	1	7.0	9.0
(A-14- 1) 1DDDS-1	Q	5-31-68		6.0	.00	44	14	4.0	2.0	196	1	6.0	16
(A-14- 1)12BADS-1	Q	8-15-50		20	.00	28	33	19	C	236	0	36	6.1
(A-14- 1)12BADS-1	Q	2-18-60		13	.02	42	19	4.3	.0	213	2	4.7	9.0
(A-14- 1)15ACBS-1	Q	2-20-57		4.0	.00	55	31	30	.0	247	5	12	72
(A-14- 2) 7ABCS-1	T	2-20-57		2.8	.15	32	15	6.3	.0	166	2	3.9	4.0
(A-14- 2)30BBAS-1	Q	2-18-60		5.2	.06	28	5.0	2.3	2.0	102	0	3.4	5.5
(A-14- 2)30BBAS-1	Q	5- 8-68	7	5.5		30	7.3	1.8	.3	118	0	4.0	2.6
(B-10- 1)10AACS-1	Q	5- 9-68	12	14		77	29	39	3.7	268	8	17	95
(B-10- 1)10CABS-1	Q	4-18-68	11	9.5		61	20	23	2.1	250	0	12	48
(B-10- 1)17CACS-1	Y	6- -41		.9	.00	58	19	9.7	C	262	0	8.6	15
(B-10- 1)17CACS-1	Y	5-22-56		6.6	.00	58	13	12	C	231	1	18	8.0
(B-10- 1)17CACS-1	Y	3-22-60		6.4	.03	57	14	4.2	.0	204	1	11	8.5
(B-10- 1)17CACS-1	Y	5- 9-68	7	7.6		69	9.2	4.7	.2	240	0	7.2	4.8
(B-11- 1) 7BBBS-1		9- 1-41		4.2		48	11.4	8.3	C	192	0	6.7	13
(B-11- 1) 7BBBS-1		9- 4-59		5.0	.03	59	9.7	5.0	4.5	219	1	6.1	9.5
(B-11- 1) 7BBBS-1		3-22-60		7.0	.03	59	10	6.3	.3	217	2	6.4	10
(B-11- 1)21DACS-1	Q	5- 7-68	11	15		87	11	13	1.5	302	0	12	13
(B-11- 1)34DACS-1	Q	4-18-68	10	11		65	19	22	1.4	260	0	12	42
(B-14- 1)33ABDS-1	Y	1-12-68		23		142	42	1,420	100	544	0	73	2,300
(B-14- 1)33ACAS-1	Y	1-12-68	31	23		132	46	1,400	110	548	0	71	2,280
(B-15- 1)34CCDS-1	Q	8-15-50		19	.00	110	55	134	C	370	1	206	186
(B-15- 1)34CCDS-1	Q	4- 6-60		16	.06	153	30	103	5.2	417	1	141	161
FRANKLIN COUNTY, IDAHO -- SPRINGS													
13S-41E-27BAD1	C	7-28-66	9		.00	35	14	4.0		224	0	5.0	5.0
15S-38E-04DDA1	Q	5-10-55	9	.0		105	25			395	0	31	42
15S-38E-31DCD1	Q	8-28-41			.00					354	0	37	40
15S-39E- 8BDC1	Y	3-13-68	77	72		154	18	3,340	C	704	0	26	5,050
15S-41E-10A 1	Q	12- 7-64				35				210	0	8.0	2.0
15S-41E-19DDD1	Q	5-11-55	8		.01	41	5			156	0	5.0	3.0
16S-38E-06ABD1	Q	8-28-41			.00					361	0	20	24
16S-38E-16BAA1	Q	8-28-41			.00					407	0	63	80
COMPOSITE SAMPLES 1/-- UTAH													
AMALGA		2-18-60		9.6	.02	52	21	11	1.5	258	2	7.5	11
CLARKSTON		8- -41		3.0	.00	58	24	10	C	287	0	7.9	16
CLARKSTON		2-18-60		6.3	.11	63	21	8.0	.0	275	0	2.9	19
CORNISH		2-18-60		35	.06	97	32	55	2.5	342	3	80	88
CORNISH		5-12-65		38	.02	97	36	60	10	336	1	78	93
HYRUM		2-19-51		6.7	.40T	87	7.7	.0	C	227	0	15	6.1
HYRUM		3-22-60		5.9	.06	68	19	3.6	.2	298	1	5.6	7.5
LEWISTON		8-15-50		3.8	.00	36	19	2.0	C	154	0	18	3.0
LEWISTON		3- 7-60		4.1	.01	45	10	1.2	.0	163	1	4.7	7.0
LOGAN		2- 7-63		4.2	.02	44	18	1.5	.0	202	1	9.0	7.0
NEWTON		3- 50		38	.00	68	25	20	C	301	0	25	19
NEWTON		7-10-56		20	.00	49	26	39	C	321	1	15	16
NEWTON		2-18-60		12	.02	67	19	10	.0	285	1	8.4	14
NORTH LOGAN		6-16-41		1.1	.00	54	29	7.2	C	290	0	4.0	17
NORTH LOGAN		2-18-60		3.1	.03	58	22	2.0	.0	274	2	2.3	8.0
RIVER HEIGHTS		3-27-60		6.9	.04	76	19	5.6	1.5	308	1	11	9.0
SMITHFIELD		2-26-41		2.7	.00	50	17	6.5	C	226	0	10	10
SMITHFIELD		2-28-41		5.3		76	22	8.6	C	335	0	6.8	9.0
SMITHFIELD		2-18-60		5.6	.03	53	18	1.5	1.3	237	2	7.0	7.5
TRENTON		8- -41		20	.20	68	24	18	C	311	0	16	25
TRENTON		2-18-60		9.9	.02	72	21	11	.0	291	2	7.5	17
COMPOSITE SAMPLES 1/-- IDAHO													
CLIFTON		9-29-45	12		.00	65	23			266	0	20	10
DAYTON		8- 6-46	12		.05	47	16			212	0	11	6.0
FRANKLIN		8-23-55	18		.00	45	18			241	0	3.0	6.0

1/ COLLECTED FROM PUBLIC-SUPPLY SYSTEM DERIVING WATER FROM SEVERAL WELLS OR SPRINGS.

LOD IDE F)	NITRATE (NO3)	BORON (B)	CA,MG HARDNESS (AS CACO3)	NONCARB-ONATE HARDNESS	DISSOLVED SOLIDS DETER-MINED	DISSOLVED SOLIDS CALCU-LATED	SPECIFIC CONDUCTANCE (MICROMHOS PER CM AT 25°C)	SAR	PH	AGENCY MAKING ANALYSIS
.0	2.7		196	8	193	201	352	.0	8.1	GS
.2	.6	.00	181	16	199		332	.0	7.9	SH
.2	.8	.02	182	5	180	184	326	.0	8.0	GS
.2	23	.01	316	14	349	355	599	.2	8.3	GS
.1			178	9	202			.1	7.8	SH
.0	.4	.11	177	8	184		365	.1	7.9	SH
.0	.7	.13	192	7	203		398	.2	8.0	SH
	.6		188	4		197	344	.1	7.9	GS
	1.1		183	3		188	341	.1	7.4	GS
.1	.2	.00	175	4	167	181	318	.1	8.2	GS
.1	1.0	.01	189	4	183	197	352	.1	7.7	GS
			188	3	180		349	.1	7.6	GS
.1	1.2	.01	180	3	177	181	322	.0	8.0	GS
.2	.4		158	0	200	197		.5	8.1	SH
.4	1.1	.00	170	6	201		325	.1	7.8	SH
.1	3.7	.11	168	7	190		390	.1	8.0	SH
.1	4.9		205	11	252			.6	7.8	SH
.0	1.7	.00	180	5	199		342	.1	8.1	SH
.1	4.7		264	61	334	336		.8	8.6	SH
.1	6.3		142	2	158	154		.2	8.4	SH
.2	1.0	.06	89	5	110		192	.3	7.8	SH
.0	1.5	.00	106	9	118	111	207	.1	7.9	GS
.3	8.5	.01	312	79	470	424	765	1.0	8.3	GS
.3	5.8	.02	237	32	309	305	555	.7	7.6	GS
.2			222	7	262			.3	7.5	SH
.6	7.0		200	11	242	238		.4	7.6	SH
.1	.9	.05	200	33	214		370	.1	8.0	SH
.2	13	.00	210	13	235	234	402	.1	8.1	GS
.5			164	4	222			.3	7.7	SH
.1	2.3	.08	187	6	220			.2	7.8	SH
.2	4.4	.06	188	10	208		361	.2	8.2	SH
.3	20	.00	260	12	320	322	529	.4	8.2	GS
.1	6.8	.03	240	27	308	307	553	.6	7.6	GS
2.9	4.5	.82	526	80	4,530	4,380	7,470	27	7.7	GS
3.2	5.3	.71	520	71	4,380	4,340	7,230	27	7.6	GS
.0	13		500	197	918			2.6	7.4	SH
.4	1.8	.14	502	160	860		1,410	2.0	7.4	SH
.0	.0		192	8	175			.1	7.7	SH
.2	.3		360	36	510				7.3	SH
.0			326	36	508				7.0	SH
	2.6		460	0	9,180	9,010	14,900	68	7.1	GS
.3	.3		150	0	260				7.0	SH
.0			132	4	140				7.3	SH
.0			300	4	444				7.0	SH
.0			330	0	630				7.0	SH
.3	1.8	.09	214	2	240		410	.3	8.2	SH
.2	.0		241	6	272			.3	7.2	SH
.1	2.1	.00	243	18	258		456	.2	7.4	SH
.9	4.0	.09	373	88	565		907	1.2	8.2	SH
.8	33	.04	389	112	645		1,030	1.5	7.6	SH
.2	1.1		250	64	264			.0	7.8	SH
.2	1.9	.00	247	3	253		405	.1	7.8	SH
.0	.1		168	40	154			.1	8.2	SH
.1	.6	.00	154	20	161		279	.0	8.0	SH
.2	2.0	.00	184	18	188		328	.1	7.8	SH
.2	2.5		256	9	363			.5	7.6	SH
.4	17		232	0	355	342		1.1	7.6	SH
.3	4.5	.00	244	10	276		475	.3	7.8	SH
.0	.0		252	10	258			.2		SH
.0	.7	.08	235	10	233		424	.1	8.2	SH
.1	.9	.00	268	15	286		495	.1	7.6	SH
.3	.0		194	9	220			.2	7.7	SH
.0	7.6		280	5	341			.2	7.5	SH
.1	1.6	.00	206	12	213		371	.0	8.0	SH
.1	3.4		268	13	347			.5	7.8	SH
.2	2.1	.09	263	24	287		526	.3	8.2	SH
.1			256	38	304				7.7	SH
.0			183	9	206				7.4	SH
.1	1.4		184	0	208				7.4	SH