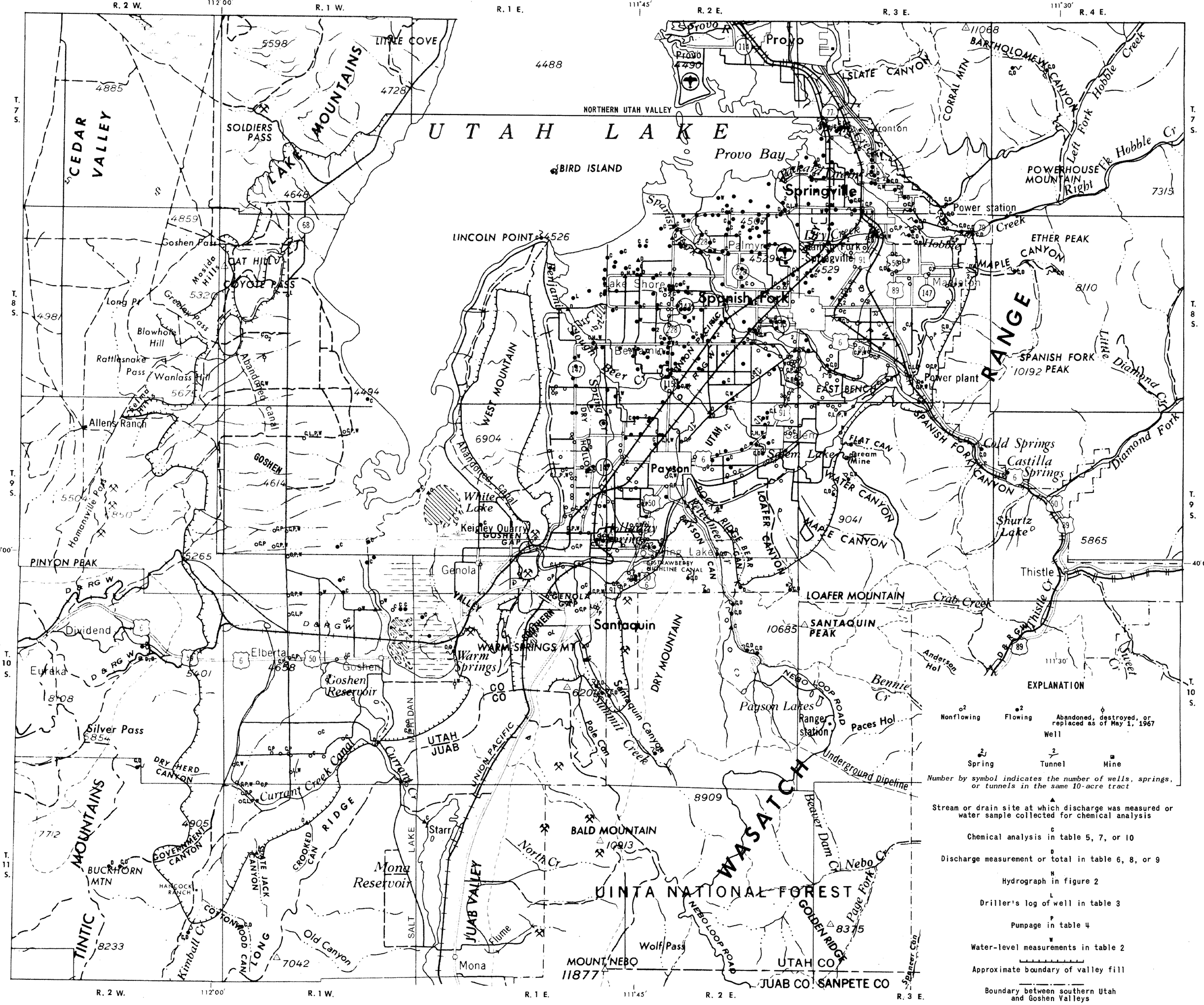
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

BASIC-DATA RELEASE NUMBER 16
PLATE 1
1969



EXPLANATION

Nonflowing — Flowing — Abandoned, destroyed, or replaced as of May 1, 1967

Well

Spring — Tunnel — Mine

Number by symbol indicates the number of wells, springs, or tunnels in the same 10-acre tract

Stream or drain site at which discharge was measured or water sample collected for chemical analysis

C — Chemical analysis in table 5, 7, or 10

D — Discharge measurement or total in table 6, 8, or 9

H — Hydrograph in figure 2

L — Driller's log of well in table 3

P — Pumpage in table 4

W — Water-level measurements in table 2

Approximate boundary of valley fill

Boundary between southern Utah and Goshen Valleys

3 2 1 0 3 MILES

3 2 1 0 3 KILOMETERS

Base from U.S. Geological Survey 1:250,000 Series: Delta, 1962; Price, 1962; Salt Lake City, Utah-Wyo., 1964; and Tooele, 1962

By R. M. Cordova

MAP OF SOUTHERN UTAH AND GOSHEN VALLEYS, UTAH, SHOWING LOCATIONS OF SELECTED WELLS, SPRINGS, TUNNELS, MINES, AND SURFACE-WATER DATA SITES

UTAH BASIC-DATA RELEASE NO. 16

SELECTED HYDROLOGIC DATA

SOUTHERN UTAH AND GOSHEN VALLEYS, UTAH

by

R. M. Cordova, Hydrologist
U.S. Geological Survey

Prepared by
The United States Geological Survey
in cooperation with
The Utah Department of Natural Resources
Division of Water Rights
Salt Lake City, Utah

1969

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Introduction

The purpose of this report is to present basic geologic, ground-water, surface-water, and quality of water data that are useful for the study and effective development of the water resources of southern Utah and Goshen Valleys. This report supplements an interpretive report which will be published later.

Much of the basic data was collected by the U.S. Geological Survey in cooperation with the Utah Department of Natural Resources, Division of Water Rights, during the years 1935-67. Data collected by other organizations are also included in this report.

Well- and spring-numbering system

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. In this report, the system is also used to identify and locate ground- and surface-water data collection sites. 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 lowercase letters give the location within the section. 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, spring, or data-collection site within the 10-acre tract. Thus, well (D-8-2)24bdd-1, in southern Utah County, is in the SE¼SE¼NW¼ sec. 24, T. 8 S., R. 2 E., and is the first well constructed or visited in that tract. (See fig. 1.) When the serial number is preceded by an "S", the number designates a spring, for example, (D-8-3)20bdb-S1; if the spring is located to the nearest 40 acres or larger tract, a suffixed "S" is used without a serial number, for example (D-9-2)34cc-S. When no serial number is suffixed to a location number for a 10-acre tract, the number designates the location of a surface-water data collection site, for example, (D-8-4)6abb.

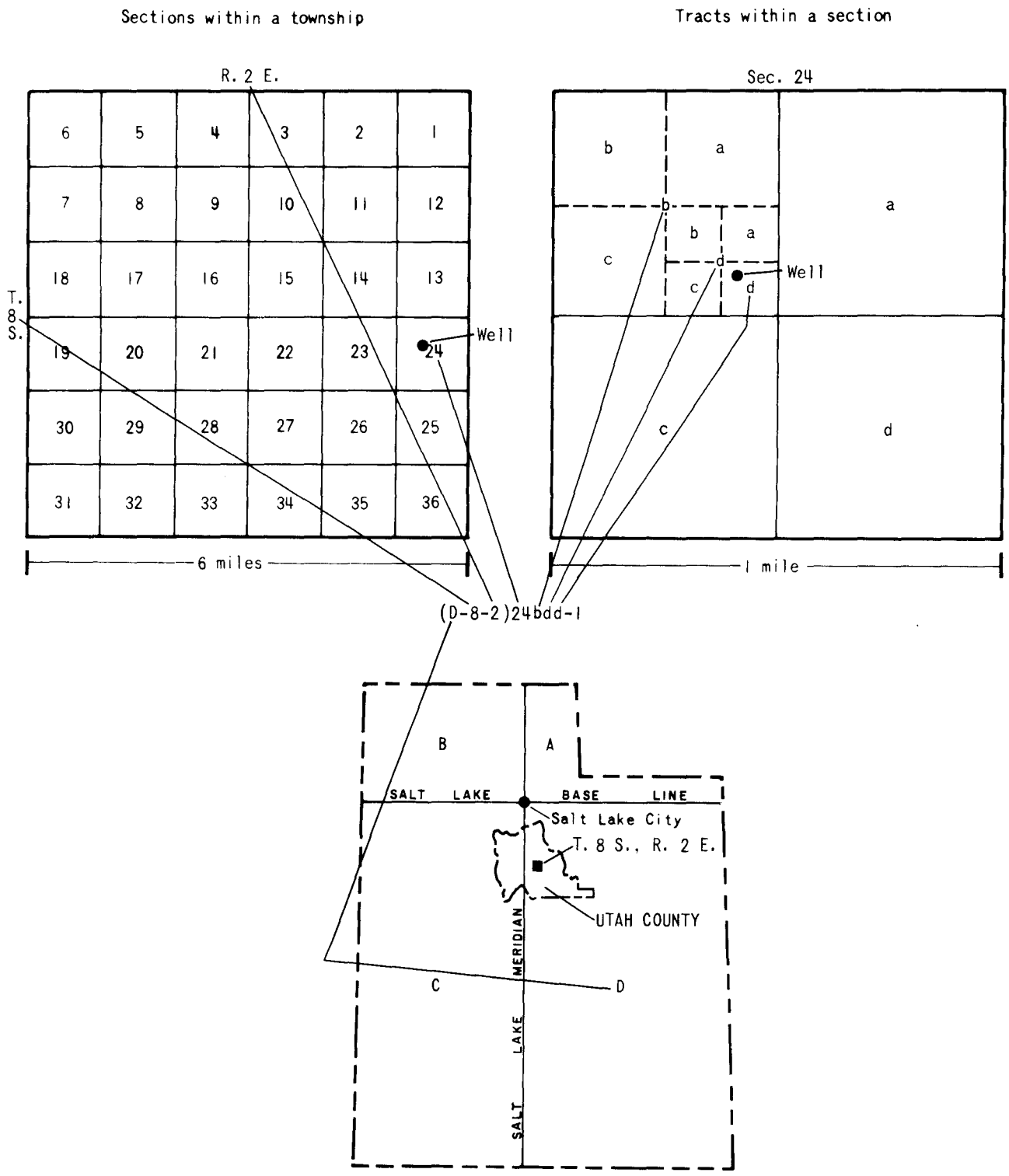

Figure 1.—Well- and spring-numbering system used in Utah.

Table 1.--Records of selected wells

Well No.: See text for description of well-numbering system.
Method of construction: C, cable tool; D, dug; H, hydraulic rotary; J, jetted; V, driven.
Depth of well: Reported unless indicated by M, measured.
Casing: Finish - O, open end; F, gravel with perforations; G, gravel with screen; P, perforations; S, screen; Z, gravel pack with open end. Reported limits of gravel pack, perforated zones, and screened zones are given in feet below the land surface.
Altitude above mean sea level: Surveyed altitudes given in feet and tenths; altitudes interpolated from topographic maps given in feet.
Water level: Levels measured by the U.S. Geological Survey given in feet and tenths; levels reported by owner, driller, or other data source given in feet.
Method of lift and type of power: Lift - C, centrifugal pump; F, flows; J, jet pump; N, none; P, piston pump; S, submersible pump; T, turbine pump. Power - D, diesel; E, electric; G, natural gas; M, manual. Number in parentheses indicates horsepower.
Yield: Flow rate of flowing well or pumping rate of nonflowing well unless indicated by B, bailed - measured unless indicated by E, estimated, or R, reported.
Use of water: H, domestic; I, irrigation; N, industrial; O, water-level observation; P, public supply; S, stock; U, unused.
Temperature: Reported unless indicated by M, measured.
Remarks and other data available: A, aquifer-test information in files of U.S. Geological Survey; C, chemical analysis in table 5; D, driller's log available in files of U.S. Geological Survey; Dd, drawdown, in feet, while being pumped or bailed at same rate and on same date as "Yield" column - (E) estimated, (M) measured, (R) reported; F, driller's log of well in table 3; J, gamma-ray log in files of U.S. Geological Survey; H, hydrograph of water levels in figure 2; P, pumpage data in table 4; U, temperature and fluid resistivity logs in files of U.S. Geological Survey; W, water-level measurements in table 2.

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY																
(D-7-2)																
25dab-1	K. H. Alleman	1955	J	132	2	-	O	4,490	+22.8	5-26-55	F	60R	5-26-55	S	54	D.
34add-1	R. J. Swenson	1962	C	255	3	255	P 245-255	4,497	+12	11-12-62	F	15	3-17-65	S	57	D.
34caa-1	Gene Sumsion	1905	J	250	2	-	O	4,494	+11.4	3-25-66	F	18.8	3-25-66	H,I,S	56M	D,W.
34dcd-1	Banks Monk	1959	J	194	2	-	O	4,506	+8.9	4- 2-64	F	5	7-27-64	S	58M	Finished in deep artesian aquifer. C,D.
34ddb-1	H. A. Nielson	1957	J	260	2	-	O	4,504	+8	8-29-57	F	6	7-27-64	S	57M	D.
35cad-1	Angus Hales	1958	J	267	2	-	O	4,502	+6	6-12-58	F	5	3-17-65	S	58M	D.
35ccd-2	do	1961	C	420	4	420	O	4,507	+17	3-30-64	F	90R	7-15-61	H,I,S	61	C,D.
36bbb-1	A. T., R. B., and W. J. Money	1943	J	147	3	-	O	4,490	-	-	F	60E	3-17-65	S	55	D.
36ccb-1	W. J. Money	1961	C	504	3	504	P 496-504	4,500	+35	10- 1-61	F	170	7-27-64	I,S	65M	D.
36dbc-1	Kolob Farms, Inc.	1900	C	344	2½	-	O	4,502.1	+32.9	3-23-67	F	28	3-23-67	S	56M	A.
36dbc-3	do	1938	J	450	3½	-	O	4,502	+30.3	3-23-67	F	4.3	3-23-67	I	60M	A,D.
36dcc-2	C. A. Spafford	1900	J	186	2	-	O	4,503	+13.6	7- 9-64	F	.5	7- 9-64	S	59M	W.
36dcc-3	do	1953	J	137	2	-	O	4,501	+16	3-31-64	F	15	7- 9-64	S	57M	C,D.
36dcc-4	do	1965	C	522M	12,8	719	P 150-168, 262-268, 333,472-494,572-582	4,500	-	-	F	587	10-27-65	I,S	62M	Originally drilled to 719 ft. F,J,U.
(D-7-3)																
19aab-1	John Kuhni	1940	J	305	2	-	O	4,492	+50.0	4-21-58	F	40R	10-17-40	H,I	58	Equipped with ½-hp electric centrifugal pump. C,D.
19aac-1	do	1938	C	268	3	-	O	4,492.9	+26.1	4-28-47	F	20	7-28-64	H,I	58M	Equipped with 1- and 2-hp electric centrifugal pumps. C,D.
19aac-2	do	1938	J	80	2	-	O	4,492.9	+11.6	4-21-58	F	<1E	7-28-64	H,I	55	D.
19dbd-1	L. J. Child	1953	J	111	2	-	O	4,493	+18.8	4-21-58	F	1.4	7-28-64	S	54	D.
20acb-1	Utah County Packing Co.	1963	C	315	4	315	O	4,501	+21	3-30-64	F	2R	7-28-64	N	60	C,D.
20bcd-1	Pacific States Cast Iron Pipe Co.	1926	C	325	4	-	O	4,494	+25.7	5- 4-64	F	80R	1-22-47	N	61	C.
20bcd-2	do	1926	C	308	4	-	O	4,494	-	-	F	80R	1-22-47	N	62	D.
20bcd-3	do	1927	C	635	4	-	O	4,494	+58.8	5- 4-64	F	70R	1-15-47	N	62	
20bcd-4	do	1930	C	478	4	-	-	4,496	-	-	F	75R	1-11-47	N	62	
20bda-1	Reilly Tar & Chemical Co.	1924	J	337M	4,3,2	588	O	4,494.4	+38.4	5- 4-64	F	<1E	10-15-64	N	72	Originally drilled to 588 ft. C,D,J.
20bdb-1	do	1930	J	560M	3	630	S 590-630	4,489.4	+26.4	5- 4-64	F	<1E	5- 4-64	N	60	Originally drilled to 630 ft. Finished in Tertiary artesian aquifer. C,D,J,U.
28bdb-1	U.S. Fish and Wildlife Service	1963	C	338	20,16	338	P 270-330	4,520	+23.8	6-17-64	F	1,200R	6-31-63	O	61M	Finished in deep artesian aquifer. Dd (R) 175 ft after 5 hrs pumping 2,475 gpm 6-27-63. C,F,H,J,W.
28cab-1	Park Ro She Corp.	1961	C, J	290	3,2	285	P 280-285	4,527	+19.5	9-15-64	F	30R	9-15-64	H,N	60M	D.
28cbd-1	R. G. Averett	1960	C	112	2	-	O	4,525	+8	11- 1-60	F	5R	11- 1-60	H	54	D.
29bcc-1	L. G. Sumsion	1890	J	150	2	-	O	4,500.1	+6.8	8- 4-64	F	1	8- 4-64	S	56	D.
29dbd-1	C. H. Crandall	1963	J	25	2	-	O	4,517	+3.7	8- 4-64	F	1	8- 4-64	S	52	D.
29dcb-1	H. C. Sumsion	1953	J	136	2	-	O	4,517	+25	3-11-53	F	35	8- 4-64	S	55M	D.
30aac-3	Arthur Condie	1953	J	125	2	-	O	4,496	+12	3-26-53	F	3.5	8- 4-64	S	56M	D.
30bbd-1	Earl Condie estate	1955	J	146	2	-	O	4,491	+10	11- 8-55	F	10	8- 4-64	S	55M	D.
30cbb-2	K. H. Alleman	1955	J	121	2	-	O	4,488	+12	5-10-55	F	50R	5-10-55	S	52	D.
30add-1	Packard Condie	1960	V	136	2	136	O	4,496	+19	3-31-64	F	4.3	5-11-64	S	54	Finished in shallow artesian aquifer. C,D.
30ddc-1	Max Packard	1949	J	93	2	-	O	4,500	+5.8	8- 4-64	F	2	8- 4-64	S	56M	D.
31acb-1	Leonard Harward	1964	J	154	2	144	P 135-144	4,498	+16.7	8- 5-64	F	6	8- 5-64	S	57	D.
31cac-2	L. B. Childs	1964	J	135	4	135	P 130-135	4,503	+11.2	11- 2-64	F	35	11- 2-64	S	56	D.
31ddd-1	G. E. Averett	1895	J	143M	3	-	O	4,513.2	+5.5	7-28-64	F	20	7-28-64	I	57M	Originally drilled to 250 ft. J,W.
32acd-2	A. H. Mortensen	1954	J	150	2	-	O	4,538	+3	5-24-54	F	-	-	S	52	D.
32bad-3	G. R. Hales	1961	C	250M	4	-	O	4,520	-.05	8- 5-64	N	-	-	I	-	Originally drilled to 294 ft. D,J.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
								SOUTHERN UTAH VALLEY - Continued								
(D-7-3)																
32ccb-1	Latter-day Saints Church, Kolob Stake Welfare Farm	1956	J	147	2	-	0	4,517	+15.0	3-30-64	F	12	8- 5-64	S	59M	Finished in shallow artesian aquifer. C,D.
32ccd-1	do	1953	J	225	2	-	0	4,520.5	+6.2	8- 5-64	F	.75	8- 5-64	H,I,S	57M	A.
33baa-6	A. W. Finley	1900	J	138	2	-	0	4,560	+8.8	3-24-66	F	7.5	7- 9-64	H,I,S	46M	C,H,W.
33baa-7	J. E. Coffman	1933	-	165	2	-	-	4,560	+9.1	1-21-67	F	-	-	H	-	A.
33bab-3	Bert Child	1961	J	128	3	126	0	4,549	+17.2	3-31-64	F	91	8- 5-64	I	59	Finished in shallow artesian aquifer. C,D.
33ccb-9	Matson Springs Irrigation Co.	1961	C	445	16	419	P 222-363	4,562	+16	5-12-64	F	1,400R	9-21-61	U	58M	Destroyed in 1966. Well was equipped with 20-hp electric turbine pump. Dd (R) 58 ft after 60 hrs pumping 3,000 gpm. C,D,P.
33ccc-5	H. L. Vane	1905	J	140	2	140	0	4,566.6	+7.6	1-21-67	F	19	3-24-66	H,I, O,S	56	A,W.
33ccc-6	Matson Springs Irrigation Co.	1966	C	513M	16	533	P 230-533	4,560	+21.8	1-21-67	F	956	9-14-66	I	-	Originally drilled to 533 ft. Dd (R) 55 ft after 24 hrs pumping 1,800 gpm. A,F,J.
34bcb-1	Springville City Corp.	1961	C	485	16	485	P 410-475	4,580	-.35	3-27-67	T,E (200)	3,000R	12- -61	P	-	Reported to have flowed. Dd (R) 41 ft after 56 hrs. A,C,D,P.
34cdb-1	do	1960	C	445	16	445	P 158-230, 294-395, 402-442	4,650	-58.6	2- 6-67	T,E	4,100R	10- -60	P	54M	Dd (R) 3 ft after 20 hrs. A,C,D,P.
(D-8-1)																
11cbd-1	W. J. McClain	1940	J	151	2	-	0	4,494	+8	4- 2-64	F	.14	7- 6-64	S	62M	Finished in Lake Bonneville Group. C,D.
12dda-1	W. A. Cornaby	1942	J	196	2	188	0	4,494	+4.6	7- 6-64	F	.6	7- 6-64	H	60M	D.
13aaa-1	R. G. Francis	1906	J	358	4,2	-	0	4,498.6	+15.5	12- 8-53	F	7.5	7- 6-64	H,I,S	61M	
13aad-1	J. A. Sorensen	1913	J	300	2	-	0	4,498	+16	5- 6-64	F	5E	7- 6-64	H,I,S	62M	
13add-1	Jess Shepherd	1942	J	291	2	286	0	4,499	+17	4- 6-64	F	15	7- 6-64	H,S	62M	Equipped with electric centrifugal pump. C.D.
13bdd-1	G. T. Atwood	1950	J	119	2	-	0	4,496	+2.0	7- 7-64	F	1.5	7- 6-64	S	55M	D.
13daa-3	D. F. Meecham	1949	C	460	8	345	P 285-328	4,499	+17	5- 6-64	F	48	7- 6-64	I	58M	C,D.
14dad-1	C. B. Turkey, Inc.	1966	C	347M	6	350	0	4,492	-	-	F	25	1-31-67	S	61M	Originally drilled to 350 ft. F,J.
23dda-1	Walter Ludlow	1900	J	-	2	-	0	4,495	-	-	F	2	3-17-65	S	53	C.
25aad-1	J. D. Hansen	1953	J	104	2	-	0	4,497	+6	2- 7-53	F	2	7-21-64	S	54M	D.
25aba-1	W. H. Ludlow	1944	J	173	2	-	0	4,498	+12.9	3-24-67	F	1.4	4-10-67	I,O,S	54M	Finished in shallow artesian aquifer. A,C,D,H,W.
25cbb-1	Clay Kelsey	-	J	300	1½	-	0	4,504	+15.2	7-21-64	F	4.3	7-21-64	O,S	59M	W.
25ccb-1	W. R. Chappell	1917	J	75	2	-	0	4,509.6	+9.2	12-16-63	F	6R	1939	H,I,S	56	Equipped with electric centrifugal pump.
35aad-1	Milton Beck	1927	J	140	2	-	0	4,515	+1.2	3- 1-65	F	<1E	3- 1-65	S	50	
35bdd-1	Erma Schramm	1944	C	300	4	-	0	4,580	-90	2- -44	J,E (1)	-	-	H,I,S	61M	Dd (R) 18 ft. D.
35cab-1	R. L. Price	1964	C	295	6	275	P 140-270	4,580	-74.7	3-17-65	S,E (1)	10BR	5- 9-64	H	-	Dd (R) 0 ft after ½ hr. D.
35cac-2	C. K. Hanson	1962	C	370	8	351	P 100-345	4,578	-62	3-25-64	T,E (15)	200R	4- -62	I,S	-	Dd (R) 89 ft after 2 hrs. D,P.
35dba-1	D. Bishop	1967	C	300	6	265	0	4,540	-21.9	4-12-67	S,E	21.4	4-11-67	H	57M	Dd (R) 52 ft after 72 hrs. D.
36bcc-1	Lamar Ercanbrack	1963	C	231	4	231	P 119-124, 168-231	4,518	+15.9	7-21-64	F	20	7-21-64	S	55M	D.
(D-8-2)																
1ada-2	F. Phillips	1954	J	138	3	-	0	4,505	+17.9	3-31-65	F	60	3-31-65	H,I,S	56M	D.
1baa-1	J. D. Finch	1963	J	182	6	182	P 167-182	4,505	+11	8- 6-64	F	60	8- 6-64	S	57	C,D.
1bbb-1	R. B. Money	1957	J	186M	2½	-	0	4,503	+9.0	8- 6-64	F	5	8- 6-64	S	58M	A,D,J.
1cdc-1	Ray Gull	1957	J	200	2	130	0	4,521	+7.5	8- 6-64	F	12	8- 6-64	H,I,S	58M	Equipped with electric centrifugal pump. D.
2aab-1	R. J. Banks	1958	J	190	2	190	0	4,507	+8.3	8- 6-64	F	10	8- 6-64	S	58M	D.
2abd-1	L. M. Banks	1961	J	350	2	336	0	4,511	+22.8	8- 6-64	F	45	8- 6-64	I,S	61M	D,C.
2acd-1	Rowland Williams	1933	J	365	2	-	0	4,516.1	+21.7	8- 6-64	F	20	8- 6-64	I,S	56	
2bcd-1	M. F. Nilsen	1956	J	235	2	-	0	4,516	+4	4- -56	F	15	3-17-65	S	61M	D.
2caa-1	G. Thomas	1951	J	377	2	338	0	4,517	+16.7	8- 6-64	F	30	8- 6-64	S	60M	C,D.
2cbc-1	A. E. Evans	1947	J	425	2	425	0	4,520	+14.5	4- 1-64	F	10	8- 6-64	H,S	60M	Equipped with electric centrifugal pump. C,D.
2cda-1	T. D. Roach	1900	J	140	2	-	0	4,524.4	+6.2	8- 6-64	F	15	8- 6-64	H,I,S	61	
2daa-1	R. D. Williams	1948	J	356	2½	346	0	4,518	+25.8	8- 6-64	F	72	8- 6-64	S	61M	C,D.
2ddb-1	Henry Prior	1918	J	380	2	-	0	4,522.2	-	-	F	15	8- 6-64	S	61	
3aad-1	Banks Monk	1964	J	413M	2½	417	P 412-417	4,512	+10	5- 1-64	F	30	3-17-65	I,S	61M	Originally drilled to 425 ft. D,J.
3adb-1	J. H. Monk	1963	J	515	2	515	0	4,511	+8	6-25-63	F	1R	8-19-64	H	62M	Equipped with electric centrifugal pump. C,D.
3adc-1	E. W. Monk	1947	J	227	2	-	0	4,515	+6	6- -47	F	4	8- 6-64	H,S	57M	Do.
3baa-1	Blaine Hanson	-	J	-	1	-	-	4,504	+4	8-15-57	F	.67	7-27-64	S	58	
3bab-1	K. A. Simmons	1954	J	147	2	-	0	4,503	+4.4	8- 6-64	F	6	8- 6-64	S	56M	D.
3bbb-1	L. M. Banks	1900	J	140	2,1½	-	0	4,497	+2.8	8- 6-64	F	.5	8- 6-64	S	56	
3ccd-1	do	1961	J	420	2½	420	0	4,512	+8	11- 1-61	F	40R	12- 7-61	S	55M	C,D.
3dac-1	Alvin Crump	1961	J	440	2,1½	420	0	4,517	+13.3	8- 6-64	F	10	8- 6-64	H,S	61M	Equipped with electric centrifugal pump. D.
4aab-1	A. T. Banks	-	-	408	2½	-	P 370-400	4,495	-	-	F	33.3	4- 3-67	S	60M	
4abc-1	W. M. Sorenson	1950	J	230	2	-	0	4,496	+12	4- 6-64	F	30R	7- 9-64	S	57M	Finished in deep artesian aquifer. A,C,D.
4baa-1	L. M. Banks	1963	C	357	3	324	P 316-324	4,495	+15.2	8-20-64	F	75	8-20-64	H,I,S	59	D.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY - Continued																
(D-8-2)																
4bcb-1	Lakeside Irrigation Co.	1934	C	544M	8	500	O	4,499	+39	4-28-64	F	36	7- 6-64	I	62	Finished in Tertiary artesian aquifer. A, C,D,J.
4cba-2	M. G. Barney	1909	J	330	2	-	O	4,501	+20.2	12-16-63	F	14	5- 1-40	H,I, O,S	56	Equipped with electric centrifugal pump. W.
4cdc-4	K. A. Simmons	1945	J	143	2	97	O	4,500	+12.7	8-20-64	F	4	8-20-64	H,S	56	Equipped with electric centrifugal pump. C,D.
4dad-1	W. M. Sorensen	1963	C	634	3	607	P 593-607	4,502	+44	4- 3-64	F	70R	8-19-64	I,S	64	Finished in Tertiary artesian aquifer. A, C,D.
5acd-1	Dell Argyle	1935	J	245	2	152	O	4,493	+4.7	8-20-64	F	3	8-20-64	H,S	57	C,D.
7bcc-1	I. E. Carlson	1961	C	370	4	270	O	4,490	+17	4- 1-64	C,E	30E	8-20-64	S	63	Well flows. C,D.
7bda-1	Mark Hall	1947	J	108	2	-	O	4,491	+6	5- -47	F	1.3	8-20-64	S	56	C,D.
7cab-1	H. L. Brooks	1947	J	263	2	263	O	4,493	+7.5	8-20-64	F	30	8-20-64	I,S	63M	D.
7cbd-1	J. R. Nelson	1962	C	167M	4	255	O	4,494	-	-	F	30	8-20-64	I,S	64	Originally drilled to 355 ft. A,D,J.
7dbc-1	Mark Hall	1905	J	550	2	-	O	4,494.3	+9.2	8-20-64	F	4	8-20-64	H,I,S	60	C.
7dda-1	M. E. Hall	1956	J	276	3	-	O	4,498	+7.7	3-30-65	F	6R	8-20-64	S	61M	C,D.
7ddd-1	do	1913	J	520	1½	-	O	4,498	+10.9	12-16-63	F	5	4-12-40	H,I, O,S	60	Equipped with electric centrifugal pump. H,W.
8aaa-1	Elliot Sabey	1947	J	131	2	-	O	4,501	+6.0	8-20-64	F	1	8-20-64	H,S	62	C,D.
8bba-1	Richard Hunter	1910	J	400	2	-	O	4,496	+17.7	8-20-64	F	10	8-20-64	S	60	C.
8bbb-2	E. L. Ottesen	1940	J	361	2	-	O	4,491	+13	4- 2-64	F	14	8-20-64	I,S	64	C,D.
8dcc-1	J. C. Bellows	1946	J	294	2	287	O	4,506	+2	8-20-64	F	3	8-20-64	H,I,S	61	Equipped with ½-hp electric centrifugal pump. C,D.
8ddd-2	J. M. Bellows	1945	J	97	2	90	O	4,511	-4	1- 7-45	C,E (½)	6R	1- 7-45	H,I,S	52	Dd (R) 4 ft. C,D.
9aad-1	A. T. Banks	1964	C	385	3	-	O	4,511.5	-	-	F	35	8-24-64	H,S	60	Equipped with electric centrifugal pump.
9bab-1	W. A. Simmons	1939	J	159	2	-	O	4,502	+10.6	8-24-64	F	9R	8-24-60	H,S	57	Equipped with electric centrifugal pump. C,D.
9ccb-2	J. D. Youd	1960	J	166	2	166	O	4,511	-7	10-13-60	C,E	5R	10- 7-60	H	56	Dd (R) 10 ft pumping 10 gpm 7-22-54. D.
9dcc-1	H. E. Anderson	1912	C	280	2	-	-	4,515	+13.1	4- 6-67	-,E	-	-	H,I,S	60	A.
10abd-2	Latter-day Saints Church, Palmyra Ward	1953	C	445	3½	288	O	4,520	+12	11- -53	F	25R	11-25-53	H	56	Equipped with electric centrifugal pump. C,D.
10adb-1	Hyrum Ottesen	1966	J	586	4,3	586	O	4,520	-	-	F	80	5-31-66	H,S	63M	J.
10bbd-2	Leo Banks	1907	J	480	2	-	O	4,514	+6.6	8-24-64	F	15	8-24-64	H,I, O,S	60	A,W.
10bdd-1	F. L. Sorenson	1955	J	411	2½	-	O	4,518	+12	12-19-55	F	40R	12-19-55	H,I,S	61M	D.
11aaa-1	Frank Gull	1955	J	195M	2	-	O	4,526	+4	5-13-64	F	<1E	8-25-64	S	56M	C,D,J.
11abc-1	do	1898	J	300	1½	-	O	4,527	+4.4	3- 6-36	F	3E	8-25-64	H,I,S	56	
11adb-1	F. R. Hansen	1954	J	204	2	-	O	4,533	+2.0	8-25-64	F	<1E	8-25-64	S	63M	D.
11bcd-2	R. R. Hansen	1956	J	420	2	-	O	4,531	+14	11-29-56	F	4	8-25-64	H,I,S	61M	D.
11cca-1	G. A. Money	1948	C	496	2½	-	-	4,540	+6.6	10-27-66	F	35R	5- 1-48	H,S	-	D.
11cca-3	Neldon Nash	1962	J	492	3	483	O	4,535	-	-	F	20E	8-25-64	H,I,S	61	C,D.
12bdc-1	Nathan Hales	1960	J	199	2	189	O	4,534	+5.2	8-25-64	F	<1E	8-25-64	S	63	C,D.
12dbb-2	D. W. James	1951	J	166	2	146	O	4,531	+6.7	8-25-64	F	1	8-25-64	S	57M	D.
12ddc-1	Harold Diamond	1956	J	172	2	-	O	4,540	+6.5	12- 3-64	F	10	12- 3-64	S,O	55M	Finished in shallow artesian aquifer. C,D,W.
12ddc-2	do	1961	J	372	3	372	P 364-372	4,541	+35.2	4- 1-64	F	225R	9- 8-61	I,O,S	59M	Finished in deep artesian aquifer. C,D,W.
13abc-1	K. L. Johns	1961	J	378	3	378	P 368-378	4,548	+18.7	8-25-64	F	88	8-25-64	I,S	60	Finished in deep artesian aquifer. C.D.
13acc-1	E. K. Brown	1961	J	185	4	185	P 180-185	4,554	-6	9-14-61	C,E (½)	15E	8-25-64	H	58M	D.
13bdd-1	R. P. Pace	1962	C	378	3	378	P 368-378	4,552	+28.0	4- 2-64	F	135E	8-25-64	H,I,S	61	Finished in deep artesian aquifer. C.D.
13cbd-1	J. D. Banks	1950	J	365	2½	-	O	4,556	+14.2	9- 2-64	F	3	9- 2-64	S	58M	D.
13ddb-1	M. B. Durrant	1960	V	20	36	20	P 17-20	4,564	-8.6	9- 2-64	C,E (1)	15E	-	S	-	Dd (R) 4 ft. after pumping 6 gpm 5-14-57. D.
14acb-1	C. B. Argyle	1962	J	210	3	210	P 205-210	4,545	-.5	5- 2-62	C,E (½)	15R	5- 2-62	H,I,S	-	Dd (R) 2 ft. D.
14bba-3	W. E. Hansen	1964	J	570	4,3	485	P 476-485	4,536	-	-	F	10.5	4-21-64	H	61	D.
14bcd-1	Everett Hansen	1954	J	424	2½,1½	399	O	4,543	+5.0	6-23-54	F	7R	6-23-54	H,S	60	C,D.
14cad-1	G. F. Nelson	1953	J	376	2½	-	O	4,547	+4.5	9- 2-64	F	6	9- 2-64	S	59M	D.
14dcc-1	W. G. Johns	1939	J	377	2	-	O	4,553	+12	9- 2-64	F	10	9- 2-64	H,I,S	59	Finished in deep artesian aquifer. C,D.
15aca-1	M. J. Hansen	1946	J	403	2	396	O	4,534	+12	5- 1-46	F	25R	5- 1-46	H,I,S	60	Equipped with electric centrifugal pump. D.
15dcd-1	Lakeshore Irrigation Co.	1902	C	560	5	-	O	4,530	+13.8	4- 6-67	F	2	4- 6-67	S	58M	A.
15ddb-1	P. A. Johnson	1962	C	468	4	464	O	4,536	+11	4- 3-64	F	20	9- 2-64	H,S	62	Equipped with electric centrifugal pump. C,D.
16bcb-1	Florence Barney	1949	J	459	2½	-	O	4,517	+4.5	9- 2-64	F	3	9- 2-64	H,I,S	61	Do.
16bcc-4	V. Dowley	1960	J	110	2	99	O	4,519	-	-	C,E	-	-	H	-	C,D.
16caa-1	W. G. Foster	1895	J	640	3	570	O	4,520.9	+33.5	9- 2-64	F	142	9- 2-64	H,I, O,S	62M	A,W.
16cba-1	Gwen Huff	1949	J	110	2	-	O	4,520	-10	9-21-49	C,E	6R	9-21-49	H,I,S	56	D.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY - Continued																
(D-8-2)																
16cbc-2	A. G. Rigtrup	1951	J	108	2	107	O	4,520	-9	7- 3-51	C,E (½)	6R	7- 3-51	S	50	Dd (R) 8 ft. D.
16ccd-1	Mark Hall	1915	J	675	2	620	O	4,524	+13	9- 2-64	F	3	9- 2-64	H,S	68	Finished in Tertiary artesian aquifer. Equipped with electric centrifugal pump. C.
16dbb-2	J. D. Huff	1962	J	168	2	168	P 165-168	4,522	+5	9- 2-64	F	1	9- 2-64	H	56	Finished in shallow artesian aquifer. C,D.
17ada-1	Bert Hansen	1944	J	466	2½	452	O	4,514	+6.3	9-3-64	F	4	9- 3-64	H,I,S	65	Equipped with electric centrifugal pump. A,D.
17add-3	Latter-day Saints Church, Lake Shore Ward	1942	J	514	2½	-	O	4,517	+12.9	4- 6-67	F	10	4- 6-67	H	58M	Equipped with electric centrifugal pump. A,C,D.
17add-5	Earl Huff	1962	C	105	2	105	P 94-105	4,517	-8.5	12-20-66	C,E (½)	12R	11- 4-62	H,O	-	Dd (R) 15 ft after 24 hrs. D,W.
17baa-1	J. W. Bingham	1890	-	380	2	-	-	4,505	+7.5	4- 5-67	F	5.6	4- 5-67	S	60	A.
17caa-2	Scott Huff	1950	J	137	2	-	O	4,508	+.9	9- 3-64	F	<1E	9- 3-64	H,I,S	57M	D.
17ccc-2	Allen Clayson	1959	J	363	2	-	O	4,509	+21	4- 3-64	F	60	9- 3-64	H,S	63M	Equipped with electric centrifugal pump. C,D.
17dab-2	J. L. Beckstrom	1959	J	100	2	-	O	4,514	-9.1	9- 3-64	C,E (½)	5R	7- 2-59	H,S	54	D.
17dcc-1	B. Shepherd	1960	J	340	2	-	O	4,515	+11.0	9- 3-64	F	20	9- 3-64	H,S	63M	Equipped with electric centrifugal pump. C.D.
17ddd-1	B. F. Simmons	1944	J	94	2	83	O	4,522	-8	7-13-44	C,E	6R	7-13-44	H,I,S	52	Dd (R) 2 ft. D.
18bdc-1	Louis Then	1894	J	365	2	-	O	4,498.0	+6.6	9- 3-64	F	12	9- 3-64	H,I,S	64	
18dda-1	T. E. Tuckett	1954	J	336	2	-	O	4,506	+12	8-31-54	F	10R	8-31-54	H,I,S	56	Equipped with electric centrifugal pump. D.
19add-1	Archie Beckstrom	1916	J	480	2	-	O	4,514.1	+13.8	9- 3-64	F	20	9- 3-64	H,I,S	64	W.
19bba-1	R. G. Francis	1954	J	109	2	-	O	4,498	+8	9- 3-54	F	8	9- 3-54	S	52	C,D.
20aaa-3	D. L. Taylor	1965	C	168	3	168	P 154-160, F 150-168	4,522	-5.0	4-27-65	C,E (¾)	-	-	H,I,S	-	D.
20abb-1	E. C. Young	1959	J	357	2	357	O	4,514	+8	10-22-59	F	1E	9-15-64	H,S	56	Equipped with ½-hp electric centrifugal pump. D.
20ada-2	M. L. Bradley	1946	J	164	2½	150	O	4,524	-2	5-23-46	C,E	7R	5-23-46	H,I,S	56	D.
20cad-1	Ivan Hawkins	1900	C	450	2	-	O	4,522	+18.0	3-28-67	F	8.8	3-28-67	H,I,S	62	A.
20cad-2	C. E. Hawkins	1900	C	420	2	-	O	4,522	+10.7	3-28-67	F	2	3-28-67	H,I,S	62	A.
20daa-1	Frank Zink	1946	J	105	2	75	O	4,520	-6	5-24-46	C,E	7R	5-24-46	H,I,S	56	Dd (R) 3 ft. D.
20ddc-1	Archie Beckstrom	1955	J	207	2	-	O	4,528	+4.3	4- 3-64	F	3R	10-12-55	S	55	C,D.
20ddd-2	do	1948	J	412	2	-	O	4,530	+12.7	4- 3-64	F	5	9-14-64	H,I,S	62	C,D.
21aaa-1	J. M. Argyle and others	1935	J	498	3	-	O	4,536.3	+20.0	9-14-64	F	90R	1935	H,I,S	62	Equipped with electric centrifugal pump. C,D.
21abb-1	Fay Huff	1945	J	161	2	155	O	4,529	+.9	9-22-64	F	<1E	9-22-64	H,I,S	60M	Equipped with electric centrifugal pump. D.
21abb-2	Glenn Hone	1957	J	340	2	-	O	4,529	+3.5	9-14-64	F	1	9-14-64	H,I,S	59M	Do.
21abb-3	K. L. Huff	1957	J	363	2	-	O	4,532	+3.2	9-14-64	F	1	9-14-64	H,I,S	57M	Do.
21baa-1	D. H. Woodland	1946	J	161	2	158	O	4,527	+3	5-18-46	F	3R	5-18-46	H,I,S	56	Do.
21bab-2	Lynn Argyle	1957	C	346	2½	-	O	4,526	+7.3	9-14-64	F	6	9-14-64	H,I,S	61	Do.
21bab-3	B. H. Argyle	1959	J	165	2	-	O	4,526	+3.9	9-14-64	F	2	9-14-64	H,S	55M	Do.
21bbb-2	Nathan Aikens	1956	J	110	2	-	O	4,522	-10	6-26-56	C,E	6R	6-26-56	H,I,S	53	D.
21bda-3	H. A. Nielsen	1959	J	153	2	-	O	4,531	+1.5	9-14-64	F	<1E	9-14-64	H,S	55M	D.
21dcd-1	J. E. Ludlow	1948	J	236	2	-	O	4,536	+3.5	9-15-64	F	1.5	9-15-64	H,I,S	58M	Equipped with electric centrifugal pump. C,D.
21ddd-1	Barnell Anderson	1936	J	347	2	-	O	4,541	+14.8	9-15-64	F	30	9-15-64	H,I,S	62	Do.
22acc-1	Virginia Moody	1948	J	388M	3	-	O	4,550	-3.9	9-15-64	-	-	-	H,I,S	58	Reportedly flowed 5 gpm in 1948. D,J,W.
22bdc-2	P. E. Schwartz	1938	J	430	2½	-	O	4,546	-	-	F	15R	7-25-38	H,I,S	-	Equipped with electric centrifugal pump. C,D.
22cdc-1	Utah Hide & Tallow Co.	1935	C	620	2	-	O	4,545.3	+15.2	9-15-64	F	60R	5-22-35	N	65	Equipped with electric centrifugal pump. D.
22cdc-2	do	1957	C	385	4	-	O	4,545	+11.4	9-15-64	F	100R	5-17-57	H,N	63	Do.
23adc-2	A. W. Langford	1960	C	188M	4	-	O	4,565	-13.6	9-15-64	-	25BR	11-20-60	N	57	D,J.
23bdc-1	Carl Marcuson	1962	C	370	6,4	370	O	4,551	-	-	F	24R	9-15-64	H,S	62M	Equipped with 1-hp electric submersible pump. D.
23cad-2	J. W. Mattinson	1964	C	374	4	374	O	4,562	+19.1	3-17-65	F	25	3-17-65	H	55	A,D.
23dbd-2	U & I Sugar Co.	1916	C	390	4	390	P 380-390	4,561	+10	9-15-64	F	275	9-15-64	N	62M	C.
23dca-2	do	1940	C	569	8	569	P 475-500	4,560	+15.7	12-16-63	F	82	5-28-64	N,O	62M	Finished in Tertiary artesian aquifer. Dd (R) 35 ft after pumping 160 gpm 10-17-40. A,C,D,W.
24acc-1	A. G. Stone and others	1935	C	332M	3	-	O	4,575	+1.2	9-17-64	F	1E	9-17-64	H,I,S	58	Equipped with electric centrifugal pump. D,J.
24bdc-2	R. J. Thomas	1963	C	352	6	352	P 327-352	4,570	+9.7	4- 8-64	F	30	9-17-64	H,S	59M	Finished in deep artesian aquifer. A,C,D.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY - Continued																
(D-8-2)																
24bdd-1	Utah Road Commission	1935	C	182	2½	180	O	4,570	-11	3-25-64	P,E (1)	5R	9- 4-35	H	56	A,D.
24cac-1	Ivan Carlson	1956	J	328	2½	-	O	4,572	+10.0	5- 7-56	F	25R	5- 7-56	O,S	56	D.
25aaa-1	R. Gardner	1940	C	180	2	-	-	4,590	19.6	12-12-66	J,E	-	-	H	-	A.
25aaa-2	R. M. Gardner	1950	C	265	4	-	O	4,589	-	-	C,E (½)	-	-	H,I,S	54	Well flows. D.
25ada-4	Gerald Smith	1957	J	135	2	-	O	4,590	+4.0	5-16-57	F	2R	5-16-57	H,I,S	54	Equipped with electric centrifugal pump. D.
25bbd-1	Ted Scott	1966	C	374	6	370	O	4,620	-18.3	10-25-66	S,E (1½)	-	-	H,S	-	A,D.
25bcc-1	E. H. Davis	1946	J	309	2½	295	O	4,590	+12	6-28-46	F	4.7	9-22-64	H,I,S	61	Equipped with electric centrifugal pump. D.
25caa-2	Reed Levanger	1947	C	310	10	309	P 240-283, 293-296	4,650	-57	2-15-47	J,E	100BR	2-28-47	S	-	Dd (R) 10 ft. D.
25cdc-1	B. H. Vorhees	1886	V	152	2½,2	-	O	4,564.8	+6.6	10-13-66	F	21.5	1-24-67	H,N,S	58M	
25cdd-2	H. C. Snell	1962	C	212	4	212	O	4,600	-43	2-26-62	J,E (1)	20BR	2-26-62	H,S	60	Dd (R) 4 ft after 3 hrs. D.
25daa-2	California Packing Corp.	1925	C	216	12½	204	-	4,589.8	-12	2-11-36	T,E (10)	240E	9-14-64	N	-	Dd (R) 35 ft after 2 hrs pumping 440 gpm in 1936. P.
25dab-2	do	1936	C	401	10	401	P 384-400	4,617	-32.6	1-27-67	T,E (20)	223	3-21-67	N	58M	A,C,D,P.
25dac-3	do	1961	C	620	16	620	P 505-508, 512-545, 547-564, 600-605	4,622	-34.8	3-27-67	T,E (30)	513	2- 6-67	N	61M	Dd (R) 43 ft after 43 hrs pumping 1,200 gpm 8-15-61. A,C,D,P.
25dbd-2	D. E. Argyle	19 1	C	222	4	222	O	4,640	-50.2	9-17-64	S,E (2½)	15BR	4- 3-61	H,O	42	A,D,W.
25ddb-2	R. E. Davis	1959	C	233	4	-	O	4,632	-56	10-20-59	S,E	30R	10-20-59	H	59	Dd (R) 4 ft. A,D.
26aaa-2	Latter-day Saints Church, Palmyra Stake	1949	C	224	3	-	O	4,600	-29	10-29-49	J,E (½)	-	-	S	-	D.
26aad-3	R. S. Creer	1961	C	223	4	223	O	4,595	-43.9	9-17-64	S,E (½)	10BR	10-13-61	H	61	D.
26abb-3	Allen Ludlow	1946	J	371	2½	-	O	4,579	+2.9	9-23-64	F	<1E	9-23-64	H	53	Finished in deep artesian aquifer. C,D.
26adb-1	Vermillion Cliffs Cattle Co.	1959	C	367	4	-	O	4,590	-	-	J,E (½)	-	-	S	58	D.
26bab-3	H. J. Thomas	1959	C	388	4	-	O	4,572	+7.7	9-23-64	F	2	9-23-64	H,S	61M	Equipped with electric centrifugal pump. C,D.
26cac-1	Roy Creer	1910	J	357	2	-	O	4,546.3	+38.9	3- 6-36	F	14.1	3- 6-36	H,I,S	65M	
27aaa-2	I. D. Beck	1942	J	348	2	325	O	4,556	+35	8-21-42	F	1E	9-28-64	H,S	61M	D.
27acd-1	D. H. Thomas	1948	J	180	2	-	O	4,546	+2.5	9-23-64	F	2	9-23-64	S	57	C,D.
27bba-2	Rufus Anderson	1954	J	275	2	-	O	4,539	+6	3-29-54	F	1	9-23-64	H,I,S	60M	D.
27ccc-1	Raleigh Williams	-	-	150	2	-	-	4,535	+12.0	4-19-67	F	3.5	4-19-67	S	57M	A.
28bad-2	T. L. Johnson	1959	C	500	4	-	O	4,535	+5.3	9-23-64	F	4R	5- 9-59	H	64M	Equipped with electric submersible pump. Dd (R) 58 ft. C,D.
28bcc-5	A. G. Hone	1952	J	160	2	-	O	4,527	+4.7	9-25-64	F	1.5	9-25-64	H,I,S	60	Equipped with electric centrifugal pump. D.
28cca-2	S. L. Thornton	1951	C	200	3	-	O	4,525	+1.0	9-25-64	F	<1E	9-25-64	H,I,S	64	D.
28ccc-1	Oral Bartholomew	1923	C	276	5	-	O	4,525.4	+15	5-28-64	C,E	200R	-	H,I,S	93	C.
28cdc-3	R. J. Hawkins	1940	J	240	2	-	O	4,527	+2	7- 8-40	F	1R	7- 8-40	H,I,S	51	Equipped with electric centrifugal pump. D.
28daa-1	Davis Larson	1939	J	120	2	-	O	4,535	+2.6	9-25-64	F	1	9-25-64	H,I,S	55M	D.
28ddd-1	Ralph Balzly	1939	J	242	2	-	O	4,532	+13.0	9-25-64	F	.5	9-25-64	H,S	61	Equipped with electric centrifugal pump. D.
29aaa-1	Latter-day Saints Church, Benjamin Ward	1961	C	353	4	-	O	4,529	-		F	15	9-10-61	H	-	Equipped with electric centrifugal pump. Dd 20 ft after pumping 50 gpm 9-10-61. A,D.
29aaa-7	R. L. Hickman	1957	C	390	2½	-	O	4,530	+11.9	9-25-64	F	5	9-25-64	H,I, O,S	60M	D,W.
29aaa-8	Rex Steele	1944	J	175	2	160	O	4,525	+8	9-12-44	F	4	9-25-64	H,I	60M	Equipped with electric centrifugal pump. A,D.
29aab-4	M. H. Riding	1944	J	176	2	163	O	4,529	+7.5	9-25-64	F	4	9-25-64	H,I,S	58M	Do.
29ada-1	Newland Hansen	-	-	500	3	-	-	4,530	+19.6	3-27-67	F	27.3	3-27-67	H,S	68M	A.
29add-1	Reed Reynolds	1935	C	222	3½	-	O	4,526	+9.6	12-16-63	F	4.6	4-12-40	H,I,S	57M	A,C,D,W.
29bcb-1	Bert Argyle	-	C	165	4	-	-	4,510	+15.6	3-27-67	F	50	3-27-67	H,I,S	55M	A.
29bcd-2	Jacob Zieman	1952	J	165	2½	-	O	4,512	+24.0	9-25-64	F	10	9-25-64	H,I,S	55M	Finished in shallow artesian aquifer. C,D.
29cab-1	Arthur Hansen	1947	J	168	2½	-	O	4,513	+25.3	9-25-64	F	63	9-25-64	H,I,S	54	D.
29ccc-2	W. T. Stewart	1956	J	144	2½	-	O	4,507	+16.7	9-28-64	F	6	9-25-64	H,I,S	54M	C,D.
29dda-3	Elias Ashby	1964	J	173	3	173	O	4,522	+10	5-15-64	F	15E	3-17-65	H	59	D.
29ddb-1	F. P. Lundell	1950	J	198	2	-	O	4,520	+19.2	10- 5-64	F	10	10- 5-64	H,S	57M	Equipped with electric centrifugal pump. A,D.
29ddd-1	H. Clayson	1939	J	171	2	-	O	4,521	+18.0	9-28-64	F	6	9-28-64	H,I,S	63	D.
30bad-1	Ivan Stewart	1944	J	42	2	32	O	4,500	+7.3	9-28-64	F	1.5	9-28-64	I,S	55M	D.
30daa-1	Leo Steele	1952	J	182	2½	-	O	4,508	+14.5	9-25-64	F	60	9-25-64	O,S	57	C,D,W.
31cbb-1	L. R. Tanner	1945	C	96	3	-	O	4,504	+12.5	9-28-64	F	1.5	9-28-64	S	57	D.
31cdb-1	G. A. Scharrer	1920	J	90	2	-	O	4,510	+6.3	8- 4-64	F	6	8- 4-64	I,O,S	59	A,W.
31cdb-2	S. Scharrer and D. Tanner	1963	C	230M	12	235	O	4,510	+15	8-27-63	F	30	8- 4-64	I	66	Originally drilled to 235 ft. C,D,J.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY - Continued																
(D-8-2)																
32aab-1	Duck Creek Irrigation Co.	1934	D	585	10	585	O	4,516.8	-	-	-	70BR	12- -34	-	-	Destroyed. F.
32aad-1	Ken Young	1954	J	117M	2½	-	O	4,520	+2.5	9-28-64	F	1.5	9-28-64	H,I,S	80M	D,J.
32daa-1	Benjamin Cemetery District	1949	C	247	5	-	O	4,545	-11	11-10-49	C,E (5)	50E	9-23-64	I	60M	Dd (R) 64 ft. D,P.
32ddc-1	Kenneth Dixon and A. B. Bayer	1925	C	341	6	-	O	4,537.6	-	-	F	2	10-29-64	I	66	J.
33bbb-1	R. T. Herbert	1965	C	220M	4	220	O	4,520	+6.5	1-20-67	F	-	-	H,I	89M	D,J.
33bdc-1	Ralph Balzly	1915	J	185	2	-	O	4,522	+12.4	10- 5-64	F	10	10- 5-64	I,O	64	C,J,W.
34acd-1	Nathaniel Ludlow	1946	J	80	2	-	O	4,531	+3.7	9-28-64	F	1.3	9-28-64	S	56	C,D.
34dda-1	Gisle Bearnson	1946	J	134	2	130	O	4,528	+12.4	9-29-64	F	30	9-29-64	H,I, O,S	56M	Finished in shallow artesian aquifer. C,D,W.
34dda-2	do	1956	J	131	2	-	O	4,528	+17.4	9-29-64	F	1	9-29-64	I,S	57M	C,D.
35abc-3	G. F. Larsen	1958	C	162	3	-	O	4,535	+12	8-14-58	F	9	9-30-64	I,S	58M	C,D.
36bbb-1	U.S. Bureau of Reclamation	1954	B	15	2	15	O	4,540	-3.5	5-27-57	-	-	-	O	-	Test hole drilled by U.S.B.R.
36dbd-2	L. L. Gardner	1952	C	260	4	-	O	4,640	-45	9-24-52	J,E (½)	8R	9-24-52	H,I,S	55	Dd (R) 0 ft. D.
36dbd-3	B. E. Cloward	1961	C	38	6	38	P 30-38	4,640	-6.9	9-29-64	J,E (½)	-	-	H,I,S	62	D.
36dcb-1	L. H. Good	1956	C	280	5½,3½	280	P 260-280	4,640	-40	2- 2-56	J,E (½)	9R	2- 2-56	H,I,S	-	Dd (R) 35 ft. D.
36dcb-2	Pioneer Broadcasting Co.	1963	C	246	4	246	O	4,645	-55	9-29-64	S,E (1)	15BR	10- 8-63	H	58	Dd (R) 20 ft after 5 hrs. A,C,D.
36dcb-3	W. M. Butler	1963	C	55	4	40	P 20-40, F 0-55	4,640	-13	9-26-63	C,E (½)	-	-	H,S	-	D.
(D-8-3)																
2dcd-1	E. and J. Carnesecca	1954	C	533	16,10	533	P 238-243, 246-533	4,805	-224.5	4-22-64	T,E (125)	1,160	7-20-64	I	50	Dd (M) 26 ft. C,D,P.
3dcd-1	Z. T. Seal	1961	C	388	16	387	P 215-385	4,736	-164	4-22-64	T,E (125)	2,300R	6-29-61	I	52	Dd (R) 5 ft after 8 hrs. A,D,P.
4bca-1	F. M. Mayne	1954	J	124	3	-	O	4,570	-16.9	3-31-65	-	-	-	U	58	Reportedly flowed in 1954. Dd (R) 23 ft. D.
4caa-2	Eddington Canning Co.	1945	C	107M	4	-	O	4,560	+10	3-31-54	F	30E	8- 6-64	H,I,S	57	Equipped with centrifugal pump. C,D,J.
4caa-3	do	1952	C	153	8	153	P 112-143	4,560	-	-	F	140	3-31-65	I,N	55	D.
4caa-4	W. Brockbank	1965	C	138M	8	-	O	4,560	+25	7-19-65	F	900R	-	S	56M	D,J.
4cad-1	Eddington Canning Co.	1935	J	231	4	-	O	4,570	+13.9	12-16-63	F	-	-	N	58M	C,D,H,W.
4daa-1	Springville City Corp.	1961	C	371	16	371	P 145-255, 280-370	4,629	-53.0	4-22-64	T,E (125)	4,100R	4- 3-61	P	-	Dd (R) 10 ft after 10 hrs. A,C,D,P.
5bcb-1	J. L. Phillips	1944	-	143	2	-	O	4,517	+12	5- 5-44	F	40R	5- 5-44	H,I,S	50	D.
5cda-1	Springville Irrigation Co.	1934	C	152	3	-	O	4,526.8	+18.0	11- 4-64	F	60	11- 4-64	I,S	57	D.
5cda-3	Drought Relief Adm.	1934	J	302	3	-	O	4,529	+28	4-29-64	F	<1E	11- 4-64	I	57	Finished in deep artesian aquifer. C,D.
6daa-1	W. G. Harmer	1953	J	126	2	-	O	4,519	+20	2-28-53	F	15	11- 4-64	S	57M	D.
6ddd-2	Drought Relief Adm.	1934	C	357	3	-	O	4,518.3	-	-	F	25E	10- 1-64	I	59M	D.
6ddd-3	do	1934	C	149	3	-	O	4,518.0	+2.7	11- 4-64	F	25	11- 4-64	I	57M	D.
6ddd-4	do	1934	C	284	3	282	O	4,518.3	-	-	F	122R	1940	I	-	D.
6ddd-5	Springville Irrigation Co.	1934	C	160	3	-	O	4,518.3	-	-	F	20E	11- 4-64	I	57M	D.
7aad-1	L. J. White	1948	J	148	3	-	O	4,527	+25.1	3-31-64	F	87	3-31-65	H,I,S	57M	Finished in shallow artesian aquifer. C.D.
7aca-2	R. D. Williams	1948	J	150	2½	147	O	4,525	+26.2	3-31-65	F	125	3-31-65	I,S	57M	D.
7adc-2	L. J. White	1953	J	121	2	-	O	4,532	+6	12-21-53	F	3	3-31-65	S	55M	C,D.
7cdc-1	S. A. Wilson	1954	J	154	2	-	O	4,540	+15	3-31-64	F	7R	5-18-64	O,S	54	Finished in shallow artesian aquifer. C,D.
7cdd-2	B. J. Hansen	1956	J	158	2	158	O	4,540	+9.8	5-18-64	F	.5	11- 3-64	O,S	56	C,D.
8abd-1	F. L. Miner	1959	C	270M	4	300	O	4,559	-6	3-31-65	N	-	-	U	-	Originally drilled to 300 ft. D,J.
8ddb-1	Elias Strong	1890	J	205	4	-	O	4,619	-50	3-27-64	S,E (1)	-	-	H,I,S	58	Finished in shallow artesian aquifer. C.
9ada-1	Cleon Stark	1962	C	238	4	236	O	4,704	-125.6	3-23-64	S,E (1½)	4R	6-17-64	H,I,S	58	C,D.
9bbb-1	Valley Packing Co.	1952	C	130	4	-	O	4,570	-28	8-23-52	C,E	200R	8-23-52	N	55	D.
9ddd-2	R. D. Rieske	1963	C	60	2½	60	P 51-60	4,704	-16	3-19-63	C,E	20E	3-31-65	I	-	D.
10cba-1	Hjarth Bros.	1961	C	520	10,8	520	P 395-520	4,714	-132	4-22-64	T,E (20)	385	7- 7-64	I	58	Dd (M) 8 ft. A,C,D,P.
10ccb-1	C. L. Harding	1963	C	92	4	88	P 80-88	4,704	-16	3-18-63	C,E (2)	75R	3-18-63	I	-	D.
11ccc-1	Mapleton City Corp.	1961	C	500	16,12	500	P 383-405, 409-494	4,728	-143.5	3-27-67	S,E (75)	844	2-26-63	P	55M	Dd (R) 18 ft after pumping 2,250 gpm for 72 hrs 6-11-61. A,C, D,P.
14acc-1	G. B. Orton	1963	C	566M	10,8	675	P 189-200, 372-395, 507-675	4,775	-172.3	3-27-67	S,E (50)	-	-	I,O	54	Originally drilled to 675 ft. A,F,J,P,U,W.
14dca-1	J. S. Broadbent	1965	C	395	12¾	-	P 210-215, 233-252, 315-378	4,800	-195	7-20-65	-	700R	7-20-65	U	55M	Intended for irrigation. Dd (R) 40 ft after 12 hrs. D,J.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY - Continued																
(D-8-3)																
15baa-1	F. H. Carsen	1962	C	53	4	50	P 45-50	4,711	-13.5	8-31-65	C,E (1½)	25R	4-28-62	I	53	D.
15bad-1	G. E. Stone	1962	C	57	4	52	P 48-52	4,710	-12.6	3-31-65	C,E (1)	43R	9-17-62	I	50	Dd (R) 0 ft after 2 hrs. D.
17abc-1	C. B. Orton	1958	-	200	10	-	O	4,620	-70	8-28-58	S,E	15R	8-28-58	I	56	Dd (R) 0 ft. D.
17ada-1	R. D. Gardner	1950	C	65	4	-	O	4,700	-23.6	4-13-65	J,G (½)	10R	4-12-50	S	56	Dd (R) 0 ft. D.
17cbc-1	Utah Monument Co.	1963	J	106	2	106	P 99-103	4,600	+15.5	4-13-65	F	10	4-13-65	H	57	D.
17cdc-1	L. H. Pierce	1960	C	127	4	127	O	4,705	-25	12- 2-60	S,E (½)	10BR	12- 2-60	H,S	-	Dd (R) 35 ft after 2 hrs. D.
17cdc-2	Floyd Smith	1960	C	295	4	295	O	4,710	-143.7	3-23-64	S,E (1)	-	-	H	-	D,W.
17dda-1	Mark Hanson	1954	C	125	6	-	O	4,715	-	-	S,E	8R	5- 8-54	H,S	60	D.
17dcc-1	R. D. Williams	1950	J	47	3	-	O	4,710	-14	5-29-50	C,E (½)	6R	5-29-50	H,S	54	Dd (R) 2 ft. D.
18aaa-1	Roy Hanson	1960	C	171	4	171	O	4,550	-3	8- 4-60	-	50R	8-19-60	I,S	58	Dd (R) 2 ft after 4½ hrs. D.
18bbd-2	R. D. Williams	1962	C	168	2½	168	P 158-168	4,545	+8	11- 2-62	F	1	4-13-65	S	55	D.
18bdc-1	J. E. Clark	1963	C	368	6	350	P 330-350	4,554	+24	4- 1-64	F	200R	3-31-64	H,I,S	61	Finished in deep artesian aquifer. C,D.
19baa-1	Merlin Johnson	1958	J	160	2	-	O	4,592	-24	10- 9-58	J,E (1)	8R	10- 9-58	H,S	52	Dd (R) 6 ft. D.
19ccd-1	Harry Christianson	1890	J	25	1¼	-	O	4,590	+2.7	4-13-65	F	1.1	4-13-65	H,S	55M	
20bab-1	Neil Bona	1961	C	295	4	295	O	4,711	-141.6	4-13-65	S,E (1½)	16	8-13-64	S	60	C,D.
22cac-1	J. H. Westwood	1962	C	541	16	541	P 485-535	4,766	-173.7	4-22-64	T,D (150)	1,500	8-31-64	I	60	Finished in Tertiary artesian aquifer. Dd (R) 54 ft after 2 hrs pumping 2,300 gpm 1-8-62. A,C,D,P.
23ccd-1	N. G. Biesinger	1961	C	265	8	265	O	4,960	-220	9-28-61	S,D (33½)	450E	9-28-61	I	-	Dd (R) 0 ft after 2½ hrs bailing 35 gpm. D,P.
26ccb-1	Trojan Powder Co.	1940	C	400	8	400	P 365-400	5,000	270	3-31-64	T,E (50)	245R	6- 5-40	N	48	Finished in Lake Bonneville Group. C,D,P.
27cdc-1	Olson Bros. Irrigation Co.	1963	C	640	16,12	630	P 220-254, 377-432, 515-520, 541-546, 583-589	4,780	-204	4-22-64	T,E (150)	1,368	6-17-67	I	56M	Dd (R) 60 ft after 8 hrs pumping 1,730 gpm 4-5-63. A,C,F,P.
28abc-1	J. M. Jensen	1961	C	470	12	470	P 264-284, 425-465	4,745	-156.5	4-22-64	T,E (50)	1,100R	12-30-61	I	55	Dd (R) 115 ft after 10 hrs. A,D,P.
28bcd-1	Spanish Fork City Corp.	1934	C	410	12½,10	410	P 400-410	4,749	-152.7	6-18-64	S,E (40)	550R	3- -61	O,P	-	Finished in deep artesian aquifer. Dd (R) 68 ft. A,C,D,P,W.
28bdc-1	G. N. Anderson	1961	C	400	12	395	P 240-285	4,746	-178.5	4-22-64	T,E (40)	850	6-23-65	I	54	Dd (M) 32 ft after 24 hrs. A,C,D,P.
28ddb-1	Harold Hurst	1958	C	140	4	-	O	4,700	-60	3-10-58	S,E	40R	3-10-58	N	-	D,P.
29aac-1	J. R. Lewis	1961	C	265	4	265	O	4,734	-141.1	4- 3-64	S,E (1)	13BR	12- -61	H	58	Dd (R) 14 ft after 3 hrs. D.
29bbc-1	L. P. Holt	1952	J	23	3	23	O	4,710	-19.6	4-13-65	C,G (3)	-	-	S	54	D.
29bcc-1	William Johnson, Jr.	1952	J	38	3	38	P 24-38	4,712	-17	11-12-52	C,G	4R	11-12-52	S	50	Dd (R) 7 ft. D.
30bcb-1	V. D. Stone	1958	J	184	2	180	O	4,591	-11.2	4-13-65	C,E (1/3)	10R	5-26-58	H,I,S	54	Dd (R) 4 ft. D.
30bcb-2	do	1959	J	170	2	170	O	4,591	-10.9	4-13-65	C,E (1/3)	8R	4-18-59	H,I,S	56	Dd (R) 4 ft. D.
30bdb-2	Nancy Alexander	1948	J	130	2	-	O	4,591	+3	11- 3-48	F	1.5	4-13-65	H,I,S	53M	D.
30daa-1	Heber Johnson	1952	C	43	4	43	P 30-43	4,710	-18	11-10-52	P,M	4R	11-10-52	S	48	Dd (R) 16 ft. D.
31ada-1	Dean Losse	1946	J	225	2	-	O	4,616	-1.6	3- 3-65	-	-	-	H	-	D.
31cbc-1	Carlson Bros.	1961	D	16M	18	18	Z 0-18	4,647	-10	5- -61	C,E (½)	-	-	H,I,S	-	Originally drilled to 18 ft. D.
31ddb-1	John Nelson	1965	C	214M	6	214	O	4,630	-44.6	3-23-66	S,E	38BR	11- 6-65	H	-	D,J.
32abd-1	Reed Vincent	1935	C	260	3½	-	O	4,720	-180	10-30-35	C,E (2½)	6R	10-30-35	H,S	46	Dd (R) 0 ft. D.
32abd-2	do	1962	C	269	8	269	O	4,720	-160	5- 9-62	S,E (2)	-	-	H,S	-	D.
32baa-1	W. Vincent	1960	C	276	5	276	O	4,720	-164.5	3- 3-65	S,E (1)	-	-	H,S	56	D.
32bba-1	J. C. Holt	1953	C	275	4	254	O	4,630	-79	11-25-53	-	25R	11-25-53	H,I,S	60	Dd (R) 40 ft. D,J.
32bbd-1	S.E. Irrigation Co.	1934	D	28	120x144	28	O	4,630	-3.2	3- 3-65	T,E (10)	-	-	I	-	D.
33acb-1	Strawberry Water Users' Assn.	1910	C	50	2	-	O	4,664	-	-	C,E (3)	41R	1939	H,I,S	48	Finished in Lake Bonneville Group. C.
33cac-1	William Hunter	1958	C	100	4	-	O	4,760	-58	10-15-64	P,E	2R	12-15-58	H,I,S	57	Dd (R) 45 ft. D.
34aca-1	Trojan Powder Co.	1940	C	261	10	261	P 240-261	4,844	-101.5	3-21-66	T,E (75)	400R	4-19-40	N,O	47M	Finished in shallow artesian aquifer. Dd (R) 7 ft. C,D,P,W.
34bab-1	Olson Bros. Irrigation Co.	1962	C	360M	16	470	-	4,800	-154.6	3-25-66	-	-	-	U	55	Originally drilled to 470 ft. J,U,W.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY - Continued																
(D-9-1)																
1abb-1	Mrs. Bert Phelps	-	J	100	2	-	0	4,513	+8.0	9- 1-64	F	47	9- 1-64	I,S	53	
1bcb-2	Varlo Davenport	1948	C	45	3	-	0	4,530	+9	8-24-48	F	25R	8-24-48	H,I,S	54	Equipped with 1/3-hp electric centrifugal pump. D.
1dad-1	W. R. Courtney	1955	J	90	2½	-	0	4,534	+9	8-16-55	F	15R	8-16-55	H,I,S	48	Equipped with ½-hp electric centrifugal pump. D.
2ada-2	L. H. Farr	1948	C	61	3	-	0	4,532	+3	8-28-48	F	4R	8-28-48	H,I,S	56	Equipped with electric centrifugal pump. D.
2ddd-1	M. Stewart	1945	J	60	2	-	0	4,555	-5	11-14-45	C,E (½)	-	-	H,I,S	-	D.
11aaa-1	J. L. Done	1920	J	110	2	-	0	4,556.8	-7.2	4- 6-38	P,M	-	-	H	-	
11bcd-1	W. N. Berry	1959	C	265	6	259	P 225-259	4,740	-210	12- -59	S,E	25BR	10-28-59	H	-	Dd (R) 7 ft. D.
11dbc-1	D. A. Tanner	1962	C	113	6,5	93	0	4,630	-89	1- -62	T,E (3)	-	-	H,S	-	D.
12bbc-1	A. H. Bishop	1947	C	70	4	-	0	4,562	-2	7-15-47	-,E (½)	-	-	H,I,S	-	D.
12ccd-1	C. J. Nelson	1948	C	105	3	-	0	4,594	-10	9- 3-48	C,E (½)	12R	9- 3-48	H,I,S	58	Dd (R) 9 ft. D.
12dcc-1	Felton Gleave	1938	C	40	4	-	0	4,590	-4	11-15-38	F	1E	2-26-65	H,S	52M	D.
13abb-1	Max Bashard	1947	C	64	4	-	0	4,590	-5	8-25-47	C,E (½)	-	-	H,I,S	-	D.
13baa-1	Latter-day Saints Church, Payson West Ward	1953	C	318	4	-	0	4,590	+18	9-12-53	F	15R	9-12-53	H,I	54	Equipped with 1-hp electric centrifugal pump. D.
13cda-1	R. P. Finch	1952	C	137	4	-	0	4,624	+3.0	10-15-64	F	2.6	10-15-64	H,I,S	52M	Do.
14aad-1	R. L. Wayman	1961	C	360	12	360	P 90-360	4,619	-57.3	3-30-67	T,E (50)	500R	5-12-61	I,O	55	Dd (R) 76 ft after 2 hrs. C,F,P,W.
14aba-1	do	1963	C	224	6	212	P 130-190	4,642	-109.3	10-15-64	S,E (1)	10BR	6-29-63	H,I	-	Dd (R) 5 ft after 1 hr. C,D.
14ada-1	O. G. Stewart	1945	C	55	4	-	0	4,620	-15	1-27-45	J,E	10R	1-27-45	H,S	62	Dd (R) 5 ft. D.
14ada-2	Latter-day Saints Church, West Sharon Stake	1961	C	363	12	363	P 110-360	4,620	-42.1	3-25-67	T,E (50)	450R	6-24-61	I	56	Dd (R) 40 ft. C,D,P.
14daa-1	R. H. Jackson	1963	C	162	4	162	0	4,627	-55	7- 7-63	J,E	-	-	H,S	-	D.
14dda-1	Helen Robins	1960	C	155	8	155	0	4,643	-62.5	10-14-64	S,E (½)	225BR	1960	H,I,S	-	D.
14ddd-1	C. W. Nay	1950	C	125	4	-	0	4,649	-34.7	10-15-64	J,E (1)	10R	2- 4-50	H,I,S	65	Dd (R) 6 ft. D.
23aac-1	Rowley Bros.	1959	C	290	12	290	P 45-290	4,695	-38	3-20-59	S,E (5)	-	-	H,I,S	-	D.
23ada-1	do	1959	C	323	12	323	P 44-308	4,667	-22.0	3-25-67	T,E (75)	1,200R	6- 8-59	I,O	54	Dd (R) 70 ft. C,D,P,W.
23daa-1	V. T. Meredith	1963	C	86	6	86	0	4,687	-44.8	10-14-64	S,E (1)	20BR	7-15-63	H,S	58	Dd (R) 20 ft after 4 hrs. D.
23dba-1	R. S. Jackson	1947	C	198	6	-	0	4,722	-83.0	10-14-64	S,E (2)	30R	9- 4-63	H,S	57	Dd (R) 5 ft pumping 10 gpm 5-10-47. D.
24aac-1	A. L. Thorwaldsen	1958	C	110	4	-	0	4,630	-8.3	10-14-64	J,E (1/3)	15R	7- 5-58	H,S	58	Dd (R) 10 ft. D.
24acc-1	Leland Davenport	1962	C	100	6	100	0	4,659	-7.2	10-14-64	J,E (1)	-	-	H,I,S	-	D.
24baa-3	Irene Reece	1941	C	135	3	-	0	4,637	-	-	C,E (1)	-	-	H,I,S	-	Reportedly flowed 5 gpm 11-11-41. D.
24cab-1	Bliss Hyatt	1961	C	71	4	71	0	4,670	-18	10-19-61	S,E (½)	10BR	10-19-61	S	62	Dd (R) 35 ft after 3 hrs. D,J.
25aac-1	Spring Creek Irrigation Co.	1934	C	34	4	-	0	4,684	+1.6	10-14-64	F	3R	6-25-34	I,S	52	D.
25aad-1	Holladay Field Ditch Co.	1934	C	79	4	-	0	4,682	+3.1	5-28-64	F	50	5-27-64	I	53	D.
25ada-1	Spring Creek Irrigation Co.	1934	J	124	4	-	0	4,680.5	+14.4	12- 2-37	F	12	7- 9-64	I	52M	D.
25ada-3	Holladay Field Ditch Co.	1895	J	90	2	-	0	4,681.5	+5.7	4-14-64	F	15	4-14-64	I,O	53	C,W.
25baa-2	M. L. Cowan	1948	C	107	4	-	0	4,694	-31.2	10-14-64	S,E (3)	13R	3-20-48	H,S	-	Dd (R) 4 ft. D.
25bba-1	George Amos	1936	C	48	3	42	0	4,704	-33	10- -36	P,-	-	-	H,S	-	D
26aab-1	Rowley Bros.	1959	C	340	12	340	P 70-340	4,715	-66.6	6- 1-64	T,E (50)	1,150R	2-20-59	I,O	58	Dd (R) 42 ft. C,D,P,W.
26daa-1	David McMullin	1961	C	307	14	307	P 70-300	4,741	-52.4	10-14-64	T,E (75)	1,150R	8-26-61	I	51	Dd (R) 120 ft after 16 hrs. Dd (R) 62 ft after 2 hrs pumping 710 gpm 6-1-64. C,D,P.
35aba-1	Strawberry Highline Canal Co.	1963	C	435	16	435	P 145-430	4,798	-102.9	3-29-67	T,E (200)	2,390	6- -66	I	51	Dd (R) 65 ft after 6 hrs pumping 3,000 gpm 3-15-63. A,C,F,P.
35bcd-2	Fred Thompson	1963	C	278	6	278	P 160-180, 190-210, 218-275	4,822	-160.0	10-14-64	S,E (20)	185E	7- 9-64	I	54M	Dd (E) 33 ft. D,P.
36bbc-1	Strawberry Highline Canal Co.	1961	C	386	16	386	P 80-370	4,798	-102.4	1-19-67	T,E (150)	1,770	6- 7-66	I	50M	Dd (R) 34 ft after 10 hrs pumping 2,380 gpm 7-9-61. A,C,D,P (listed with 35aba-1 in table 4).
36cdb-1	Manley Miller	1962	C	185	4	185	0	4,862	-170.1	10-14-64	S,E (1)	-	-	H,S	-	C,D.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY - Continued																
(D-9-1)																
36cdd-1	W. E. Shaw	1955	C	325	12	325	P 192-325	4,882	-186.8	1- 8-67	T,E (75)	865	7- 7-66	I,O	50M	A,C,D,P,W.
(D-9-2)																
1aaa-1	Merrill Gundersen	1962	C	85	4	85	O	4,645	-8	12-12-62	J,E	5R	12-12-62	H	-	Dd (R) 21 ft. D.
1baa-2	E. A. Tiffany	1944	C	200	4	-	O	4,600	-	-	S,E	4R	8-31-44	H,I,S	60	Dd (R) 30 ft. C,D.
1bcb-1	Latter-day Saints Church, Spanish Fork Stake	1966	C	740M	16	733	P 540-618, 645-730	4,580	+9.5	1-27-67	F	480	4- 4-67	I,S	62M	Originally drilled to 755 ft. Dd (M) 60 ft after pumping 900 gpm 10-10-66. A,C,F,J.
1dab-1	C. J. Barney	1960	C	290	4	290	O	4,680	-92.0	9-29-64	S,E (1)	-	-	S	-	D.
1dcc-1	M. M. Arnold	1957	C	288	4	-	O	4,662	-76	6-15-57	S,E	-	-	H,I,S	58	D.
1dcd-2	D. L. Davis	1962	C	293	4	293	O	4,665	-135	4-10-62	S,E (1)	18R	4-10-62	H,S	59	Dd (R) 30 ft after 4 hrs. C,D.
1ddb-2	Veron Cloward	1948	C	457	3	-	O	4,642	-27	8-11-48	J,E (½)	-	-	H,S	56	D.
2add-1	F. B. Davis	1936	C	188	2½	-	O	4,572	+12.0	9-30-64	F	30	9-30-64	I,S	56	D,W.
2dad-1	E. Culmer	1955	C	196	4	-	O	4,570	+14.8	4-10-67	F	10.7	4-10-67	I	55	Equipped with ½-hp electric centrifugal pump. A,D.
2dad-2	do	1956	C	227	2½	-	O	4,570	+12.9	4-10-67	F	32.9	4-10-67	H,I,S	55M	A,D.
3aba-4	R. T. Taylor	1964	C	138	4	130	O	4,528	+11.3	11- 3-64	F	14	11- 3-64	S	55	A,C,D.
4cdc-1	Island Ranching Co.	1943	C	310	8,4	300	O	4,582	-11.7	2-10-67	C,E	20R	7-29-43	H,I,S	62	A,D.
5acc-1	H. M. Jones	-	-	165	2	-	-	4,540	+36.0	1-10-67	F	-	-	I,O,S	-	A.
5bcc-2	A. S. Maurin	1956	C	142	4	-	O	4,537	+19.6	9-30-64	F	30	9-30-64	I	54	D,J.
5bdd-2	H. M. Jones	1915	J	162	2	-	O	4,541.6	+27.9	9-23-64	F	6	9-23-64	H,I,S	55	A.
5bdd-4	do	1962	C	180	8	180	P 67-75, 170-180	4,538	+17.2	3-17-67	F	91.6	3-17-67	I	54M	A,D.
5caa-1	Sterling Taylor	1966	C	79M	4	85	O	4,540	+18	5-31-66	F	30R	5-31-66	H	54M	Originally drilled to 85 ft. D,J.
5ccc-1	W. M. Wilson	1900	J	160	2	-	O	4,560.8	+6.5	8- 4-64	F	30	8- 4-64	I	55	
5dcd-3	Payson City Corp.	1934	J	166M	3	-	O	4,576.8	+9	4-11-67	F	30	1938	I,O	56M	C,D,J.
5ddc-2	do	1934	J	170	3	170	O	4,577.2	+6.6	7-31-35	F	15	8- 9-64	I,O	55	C,D,H,W.
6add-4	C. M. Christiansen	1961	C	112	6	112	O	4,534	+22.9	4- 1-64	F	100E	9-11-64	H,I,S	54	Finished in Lake Bonneville Group. C,D.
6add-5	do	1963	C	322	8	310	P 177-308	4,534	+15	4-10-63	F	450R	4-10-63	S	55	C,D.
6ddc-1	Carroll Wilson	1963	C	302	8	302	O	4,552	+16.8	9-30-64	F	6	9-30-64	I	55	D.
7abb-1	G. Tanner	1956	C	173	4	-	O	4,557	+1.8	10- 5-64	F	2	10- 5-64	H,I,S	57	C,D.
7bda-1	Nebo Livestock Co.	1964	C	122	4	105	P 80-95	4,576	-9	4-15-64	C,E	-	-	H,S	-	
7bdd-1	Max Peart	1963	C	66	6	66	O	4,594	-15.5	10- 5-64	S,E (1)	-	-	S	-	D.
7ccc-2	J. R. Hill	1955	C	156	4	-	O	4,594	+5.2	10- 5-64	F	4	10- 5-64	S	56M	D.
7cda-1	A. L. Hurst	1945	C	81	4	-	O	4,611	-20	7-29-45	C,E	20R	7-29-45	H,I,S	59	Dd (R) 0 ft. D.
7dbc-1	B. E. Cornaby	1962	C	16	12	16	P 13-16	4,600	-7.5	10- 5-64	S,E	60	10- 5-64	S	58	D.
7dcc-1	S. L. Spencer	1956	C	310	6	-	O	4,603	-12.3	10- 5-64	S,E (2)	45R	4-15-56	H,S	62	Finished in shallow artesian aquifer. C,D.
8acb-2	N. Lerwill	1959	C	161	4	-	O	4,600	+6	8-31-59	F	10R	8-31-59	H,S	59	Equipped with electric submersible pump. C,D.
9bac-1	Island Ranching Co.	1961	C	445	16	445	P 50-169, 202-252, 288-337, 377-427	4,610	-35.6	2-10-67	T,E (75)	1,900	2-26-67	I,O	58	Dd (R) 25 ft after 33 hrs pumping 2,100 gpm 3-12-61. A,C,D,P.
9ddb-1	Jack Spencer	1964	C	200	4	200	P 70-80	4,588	-15.0	10- 6-64	S,E	20BR	9-19-64	H,S	60	Dd (R) 2 ft after 2½ hrs. D.
10acd-1	J. D. Garner	1945	C	300	4	-	O	4,570	+4	4-20-45	F	<1E	10- 6-64	H,S	57	Equipped with electric centrifugal pump. D.
10cac-1	A. H. Chatwin	1956	C	360	2½	-	O	4,580	+6	5-31-56	F	4R	5-31-56	H,I,S	-	Equipped with 1-hp electric centrifugal pump. D.
10cad-3	L. Christensen	1963	C	477M	8	460	O	4,582	+3.0	10- 6-64	F	1	10- 6-64	H,S	59	Originally drilled to 570 ft. F,J.
10dac-1	D. Christensen	1966	C	360M	6	360	O	4,598	+23.0	8-31-66	F	41	8-31-66	H	62M	C,D,J.
10ddd-1	A. L. Francom	1952	C	220	4	-	O	4,630	+5	4-10-52	F	7R	4-10-52	H,S	58	Equipped with electric piston pump. D.
11aaa-1	S. L. & Utah R.R. Co.	1933	J	320	3	320	P 175-185, 310-320	4,584.4	+26.8	5-28-64	F	120	1938	I,O	58M	C,H,W.
11abc-1	D. C. Pierce	1948	C	410	4	-	O	4,580	+28.3	10- 6-64	F	95R	5-19-45	H,I,S	59	D.
11aca-3	D. C. Cole	1958	C	285	4	-	O	4,592	+19.3	10- 6-64	F	250R	12-13-58	H,I,S	60	D.
11bcd-3	L. R. Christensen	1963	C	242	4	242	O	4,587	+30.7	10- 6-64	F	6	10- 6-64	H,I,S	57	Finished in shallow artesian aquifer. C,D.
11ddd-1	L. D. Horrocks	1940	C	137	3	-	O	4,710	-95	11-20-40	S,E	5R	11-20-40	H,S	-	D.
12bbc-1	M. Hanks	1952	C	155	4	-	O	4,609	+2.4	10- 6-64	F	2	10- 6-64	H,I,S	58M	Equipped with electric centrifugal pump. C,D.
12ccb-1	Salem City Corp.	1934	C	205	8	196	O	4,695	-45	8-14-64	T,E (20)	-	-	P	-	C,P.
12cdc-1	M. A. Christensen	1959	C	186	6	-	O	4,740	-141	7-20-59	S,E (5)	60R	12- 5-59	H,S	58	Dd (R) 6 ft. D.
12dbb-2	Salem Irrigation and Canal Co.	1963	C	97M	16,12	175	O	4,704	-54.2	8- 4-64	-	-	-	O	-	Originally drilled to 175 ft. Abandoned. D,J,W.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
							SOUTHERN UTAH VALLEY - Continued									
(D-9-2)																
13bdd-1	Calvin Carlson	1964	C	273	6	273	O	4,860	-237.6	3-16-65	S,E (2)	30R	6-30-64	H	-	Dd (R) 0 ft after 16 hrs. D.
14bca-1	H. C. Hutchinson	1953	C	102	6	-	O	4,695	-47	12-13-53	S,E	25R	12-13-53	H	-	Dd (R) 21 ft. D.
14bcb-1	O. P. Miller	1945	C	110	4	-	O	4,695	-72.3	10- 7-64	J,E (1½)	-	-	H	54	C,D.
14cbb-1	Lawrence Limb	1961	C	132M	8	132	O	4,742	-121.9	1-19-67	S,E (1½)	20	10- 7-64	H,S	-	D.
15aac-1	J. D. Francom	1951	C	75M	4	-	O	4,675	-42.3	10- 7-64	-	-	-	S	60	D.
15adb-1	Patricia Gasser	1960	C	130	4	130	O	4,695	-52	9-25-60	S,E (½)	12R	9-30-60	H,I,S	54	Dd (R) 81 ft after 12 hrs. D.
15bab-1	George Curtis	1966	C	178M	4	178	O	4,680	-47.6	5-24-66	-	-	-	H	55	D,J,U.
15bbb-1	F. A. Schramm	1961	C	132	4	132	O	4,611	-24	12- 7-61	S,E	-	-	H	-	C,D.
16bbb-1	Payson City Corp.	1961	C	195	16	195	P 100-195	4,682	-82	3-20-64	T,E (75)	1,900R	8- -61	P	55	Dd (R) 85 ft after 17 hrs. D,P.
17ada-1	Reed Brimhall	1961	C	166	6	165	O	4,720	-116.3	11- 3-64	S,E (2)	30BR	9- -61	H,O	55	Finished in Lake Bonneville Group. Dd (R) 0 ft. C,D,W.
17daa-1	Payson City Corp.	1954	C	225	12	225	P 160-220	4,764	-158.5	1-18-67	T,E (75)	640R	9-15-54	P	54	Dd (R) 58 ft. C,D,P.
17ddd-1	A. Z. Robbins	1956	C	184	6,4	-	O	4,780	-169	8-15-56	S,E	10R	8-15-56	H,S	56	Dd (R) 17 ft. D.
18aaa-1	Byron Parker	1939	C	91	4	-	O	4,611	-9	12-17-39	J,E	12R	12-17-39	H,I,S	-	Dd (R) 0 ft. D.
18aca-1	Drought Relief Admin.	1934	C	278	3	270	O	4,620	-17.2	10- 7-64	C,E (½)	8R	8-30-34	H,S	-	D.
18add-1	C. W. Reed and Merlin Bryson	1948	C	108	4	-	O	4,629	-25	2-19-48	J,E	13R	2-19-48	H,I,S	-	Dd (R) 10 ft. D.
18cad-1	W. E. Hiatt	1948	C	90	4	-	O	4,626	-15.5	10- 7-64	S,E	10R	3- 9-48	S	-	Dd (R) 3 ft. D.
18dac-1	M. Bryson and A. Hanline	1965	C	160	6	160	-	4,642	-36.2	3-16-65	S,E (¾)	-	-	H,S	51	
18dad-1	A. H. Millett	1948	C	50	4	-	O	4,645	-35.6	10- 7-64	J,E (½)	13R	2- 4-48	H,S	-	Dd (R) 1 ft. D.
19bba-1	W. L. Hiatt	1949	C	92	4	-	O	4,630	-3	5- 2-49	C,E (½)	25R	5- 2-49	H,S	52	Dd (R) 1.5 ft. D.
19bbb-2	Wayne Tanner	1946	C	158	5	-	O	4,632	-2	8-28-46	C,E (½)	-	-	H,S	-	D.
19ccd-1	Jack Clark	1948	C	92	4	-	O	4,655	+.4	8-24-64	F	1E	8-24-64	H,I,S	52	D.
19dcd-1	Vaughn Davis	1948	C	105	3	-	O	4,660	-16	5- 6-48	J,E	-	-	H,S	54	D.
19ddb-1	Orlo Carson	1951	C	112	4	-	O	4,666	-58.7	10- 7-64	J,E (¾)	15R	11-29-51	H,S	62	D.
20bbc-2	Mt. Loafer Irrigation Co.	1961	C	275	16	275	P 85-265	4,670	-55.9	3-29-67	T,G (90)	1,500	7-12-66	I,O	54	Dd (R) 30 ft after 13 hrs pumping 2,200 gpm 7-8-61. A,C,D,P.
20cba-1	Franklin Tervort	1964	C	280	6	260	O	4,720	-105	7- 1-64	S,E (1)	30BR	7- 1-64	H,I,S	-	Dd (R) 0 ft after 1 hr. D.
20cca-1	Gilbert Peay	1946	C	60	4	-	O	4,725	-45	4-12-46	J,E (½)	5R	4-12-46	H,S	54M	Dd (R) 2 ft. D.
20ccc-1	North Spring Lake Water Co.	1962	C	145	12	145	P 95-110, 120-135	4,716	-22	3-24-64	S,E (7½)	220R	5- 9-62	P	53M	Finished in Lake Bonneville Group. Dd (R) 1 ft after 16 hrs. C,D, P.
22bda-1	R. B. Allred	1958	C	814M	12,6	855	P 235-855	4,880	-99.4	3-23-66	-	40R	4-19-58	O	66	Originally drilled to 855 ft. D,J,U,W.
24bda-1	G. E. Hanks	1948	C	300	4	-	O	5,120	-280	6-30-48	S,E (1½)	8R	8- 4-48	H,S	-	Dd (R) 1 ft. D.
29acd-1	W. R. Christopherson	1950	C	70	4	-	O	4,780	+12.5	6-18-64	F	75	6-18-64	H,I, O,S	55M	C,D.
29bbb-1	M. L. Daley	1946	C	75	4	-	O	4,772	-12.8	10- 7-64	J,E (1/3)	5R	12-10-46	H,S	58	Dd (R) 0 ft. D.
29bcb-1	Reed Moore	1935	C	60	3	-	O	4,723	-34.6	10-13-64	C,E	-	-	H,S	-	D.
29bdb-1	A. J. Smith	1960	C	156	4	156	O	4,717	-88.2	10-13-64	J,E	11BR	10-27-60	H,I,S	58	D.
29cda-1	Spring Lake Water Works Co.	1961	C	116	10	110	O	4,780	-38	10- 9-61	S,E (10)	50BR	10- 9-61	P	50	Dd (R) 0 ft after 1 hr. D,P.
30acc-1	George LeFevre	1949	C	72	3	-	O	4,694	+12	6-22-49	F	6R	6-24-49	H,I,S	52	Equipped with electric centrifugal pump. D.
30cab-1	E. P. Barnett	1960	C	56	4	56	O	4,700	-15.3	10-13-64	J,E	10BR	12-20-60	H,S	57	Dd (R) 13 ft after 2 hrs. D.
30cbb-2	Andrew Helm	1957	C	95	4	-	O	4,705	-7	6-29-57	S,E	40R	6-29-57	H,S	55	Dd (R) 43 ft. D.
31aca-1	Grant Lyman	1966	C	149M	6	155	O	4,810	-128	10- 6-66	-	35BR	-	H,S	58	Originally drilled to 155 ft. Dd (R) 2 ft after 8 hrs. D,J.
31cda-2	Alva Thorvaldson	1962	C	167	6	167	O	4,832	-148.8	10-14-64	S,E (1)	-	-	H,N	-	D,P.
31cdb-1	Jones Builders Service	1962	C	224	8	224	O	4,838	-143	7-26-62	S,E (2)	67R	7-26-62	H,N	-	Dd (R) 0 ft after 4 hrs. C,D,P.
32bac-1	Clarence Ashton	1953	C	367	10	307	P 255-307	5,200	-251	4- 2-64	T,E (30)	325R	11-12-53	I	61	Dd (R) 61 ft. C,D,P.
(D-9-3)																
5aba-1	Brigham Young University	1960	C	272	4	272	O	4,715	-132	1-25-60	S,E (1)	-	-	H,S	-	D.
5bab-1	A. T. Hunt	1952	C	262	4	-	O	4,690	-89	8- 4-52	J,E (1)	5R	8- 4-52	H,S	58	Dd (R) 0 ft. D.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
SOUTHERN UTAH VALLEY - Continued																
(D-9-3)																
5bbb-2	Brigham Young University	1959	C	276	8	276	P 261-276	4,675	-94.9	9- 1-64	S,E	75BR	1- 3-59	H,S	-	Dd (R) 0 ft. D.
5bbd-1	do	1962	C	620	20,16, 12	601	P 300-340, 515-586	4,685	-90.4	3-23-66	T,E (150)	3,780	5- 6-66	I,O	54M	Dd (R) 7 ft after 6 hrs pumping 2,100 gpm 10-10-62. A,C, F,P,W.
5cdc-1	John Koyle	1946	C	105	6	-	O	4,820	-42.3	9- 1-64	J,E (¾)	10R	11-10-46	H,S	68	Dd (R) 15 ft. D,W.
6aaa-1	Max Sterneckert	1966	C	275	6	275	O	-	-92	10- 6-66	S,E (1½)	50R	10- 6-66	H	58	Dd (R) 2 ft after 14 hrs. D,J.
6abb-1	R. Cloward	1904	D	14	36	14	O	4,661	-8.1	3-11-64	C,E (1)	-	-	O,S	-	W.
6baa-1	W. E. Hunt	1957	C	260	4	-	O	4,675	-30	6-20-57	S,E	40R	6-20-57	H,S	60	Dd (R) 42 ft. D.
6cbc-1	Paul Guss	1965	C	280M	6	-	-	-	-80.5	10-13-65	-	-	-	S	-	D,J.
(D-10-1)																
1aca-1	East Santaquin Irrigation Co.	1965	C	672M	16	650	P 190-643	4,920	-229.8	8- 9-65	-	1,860R	-	I	-	Originally drilled to 677 ft. F,J,U.
1acd-1	do	1960	C	798	16,8	788	P 290-788	4,970	-274	8- 3-60	T,E (60)	520R	8- 3-60	I	62	Dd (R) 71 ft. Destroyed in 1965. D,P.
1cbb-1	Santaquin City Corp.	1956	C	461	16	454	P 280-454	4,973	-254	6-28-65	T,E (125)	925R	7-27-56	P	49	Dd (R) 27 ft. Finished in shallow artesian aquifer. C,D,P.
2adb-1	Summit Creek Irrigation Co.	1961	C	580	16,12	580	P 259-548	4,938	-234.9	2-15-67	S,E (200)	1,340R	6- 8-66	I	49M	Dd (R) 70 ft after 24 hrs pumping 1,800 gpm 10-31-61. A,C,D,P.
2bba-1	Genola Town Corp.	1961	C	303	16	297	P 189-297	4,880	-177.4	2-15-67	T,E (10)	400R	2-10-61	P	57	Dd (R) 50 ft after 12 hrs. A,C,D,P.
11bbd-1	C. A. Rowley	1964	C	469M	6	475	P 335-470	5,020	-310	11- 4-64	-	10BR	2-18-64	H	57	Originally drilled to 500 ft. F,J,U.
GOSHEN VALLEY																
(C-8-1)																
16cbb-1	Delbert Chipman	1949	C	392	12	300	P 60, 240	4,545	-43	6- -49	-	-	-	-	68	Abandoned. F.
20cdb-1	L. W. Fitzgerald	1945	C	205	6	-	O	4,617	-114	4- 8-64	C,G	15R	11-11-45	O,S	68	C,D.
20cdb-2	J. B. Fitzgerald	1967	C	345	16	227	O	4,620	-120.2	4- 4-67	T,E	1,902R	4- 4-67	I,S	-	Dd (R) 8 ft after 6 hrs. D.
29bdc-1	do	1967	C	500	16,12	394	O	4,635	-149	3-25-67	-	-	-	-	-	Abandoned. D,J.
32bcb-1	J. H. Allen	1945	C	265	6	-	O	4,682	-188.7	3- 8-67	C,G	15R	12- 5-45	O	68	Dd (R) 4 ft. C,D,W.
35dcb-1	S. O. Dixson	1945	C	212	4	-	O	4,489	+3	6-15-64	F	12R	6-15-64	S	67M	C,D.
(C-9-1)																
3ddb-1	Cooperative Security Corp.	1964	C	575	20,18	575	P 190-205, 225-338, 365-565	4,510	-17.2	7- 8-64	T,E (150)	2,040	5- 4-65	I	58M	Dd (M) 124.4 ft after 96 hrs. C,D,P,W.
4ddc-1	do	1964	C	690	18	690	P 200-683	4,570	-78.9	4-15-64	T,E (200)	1,240	6-17-64	I,O	62M	A,C,F,P,W.
20dcc-1	do	1964	C	575	20	532	P 279-521	4,701.4	-195.5	7- 8-64	T,E (250)	2,500	8-19-64	I,O	61M	Dd (M) 68.9 ft. C,D,P.
20ddd-1	do	1964	C	798	20,18	788	P 300-775	4,643	-134.9	3-11-64	T,E (200)	2,460	6-15-65	I,O	63M	Dd (M) 42.3 ft. C,D,P, W.
26bda-3	Bert Burraston	1915	J	52M	1½	-	O	4,496	+4	4- 9-64	F	1	3-12-65	H,I,S	52M	C.
26cdd-1	J. E. Woodard	1956	J	25	2	-	O	4,499	+2	9- 6-56	F	.5	3-12-65	S	52	C,D.
26dca-1	do	1956	J	33	2	23	O	4,501	+3	1-17-56	F	2E	3-12-65	S	55	D.
27acc-1	Ray Kay	1949	J	125	2½	-	O	4,504	+2	5-28-49	F	2	3-12-65	S	52M	C,D.
28ccb-1	Cooperative Security Corp.	1962	-	802	20,18	802	P 350-500, 520-800	4,643	-143.0	3- 8-67	T,E (200)	2,540	6-17-64	I,O	65M	C,D,P,W.
29acc-1	do	1963	C	700	20,18	700	P 280-700	4,719	-272.7	4- 4-67	T,E (250)	2,500	7-12-63	I,O	60M	Dd (M) 62 ft. C,D,P, W.
29bcc-1	do	1963	C	800	20,18	775	P 300-675, 700-775	4,798	-304.6	4-14-67	T,E (50)	210	7- 8-64	I,O	63M	Dd (M) 17 ft after 1 week. C,D,P.
34ccc-1	do	1951	C	655M	12,10, 8	650	P 320-580, 587-650	4,551	-29.4	3- 8-67	T,E	-	-	I,O	60	D.J,W.
34dba-1	H. Miller	1961	J	265	1½	-	O	4,508.4	+2	10-10-61	F	2	3-12-65	S	53M	C.
34ddc-1	A. S. Miller	1961	J	292M	2	256	O	4,517	+4	10- 9-64	F	1R	1-27-64	H,S	55M	C,D,J.
(C-10-1)																
1acc-1	Ray Kay	-	J	185	2	-	O	4,512.5	+4	4- 9-64	F	2	3-12-65	S	52	C.
1acd-1	do	-	J	60	2,1½	60	P 21-60	4,512.6	+3.8	4- 9-64	F	.5	3-12-65	S	51M	C.
1bcd-1	A. J. Menlove	1915	J	70	1½	-	O	4,521	-	-	P,M	-	-	S	-	C.
2aad-1	Albert Morgan	1919	J	84	2	-	O	4,520	-13.9	3-30-65	-	-	-	U	-	W.
2bcd-1	William Jasperson	-	J	60	2	-	O	4,530	-6	3-23-64	-	6R	3-18-64	S	-	W.
3ddb-1	G. T. White	1926	C	495	6	-	O	4,555.2	-12	3-23-64	C,E (½)	-	-	H,S	-	C.
4bbb-1	Cooperative Security Corp.	1962	C	882	20,16	882	P 525-860	4,672	-161.0	3- 8-67	T,E (200)	2,853	6-16-66	I,O	65M	Dd (M) 125 ft after pumping 1,758 gpm 7-12-63. C,D,P,W.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
GOSHEN VALLEY - Continued																
(C-10-1) 4cbb-1	Latter-day Saints Church, Corporation Sole-Santaquin-Tintic Stake	1962	H	1,218	30,16, 12	870	G 0-870, S 406-550, 640-680, P 700-740, 750-850	4,680	-149.8	3- 8-67	T,E (250)	2,800	6-27-66	I,O	66M	Dd (M) 61.5 ft after 24 hrs pumping 2,075 gpm 7-12-63. A,C,E,F,P.
9ccc-1	Henry Matarai	1961	C	474	16	474	P 255-346, 360-420, 427-474	4,681	-151.0	3- 8-67	T,E (100)	1,324	6- 8-66	I,O	63M	Dd (M) 29.5 ft after pumping 1,675 gpm 7-11-63. C,D,P.
10ddc-1	A. E. Hannifen	1953	C	115	4	115	O	4,556	-4	5- 8-53	-	10R	5- 8-53	U	59	Dd (R) 10 ft. Destroyed. C,D.
15abb-1	Henry Roberts	1965	C	390	8	371	P 242-244, 264-266, 355-357	4,575	-64	7-22-65	-	15BR	7- -65	H	-	Dd (R) 26 ft after 1 hr. Gravel in borehole 350-390 ft. D,J.
15cdd-1	Harold Morgan	1951	C	131M	12½,8	168	P 50-65, 131-168	4,600	-31.8	10-30-64	-	3R	4-20-51	U	57M	Originally drilled to 168 ft. Dd (R) 15 ft. Abandoned. D,J,U,W.
17aaa-1	Elberta Water Co.	1955	C	517	10,6	503	O	4,711	-168	3-28-58	T,E (10)	450R	10-21-55	P	62	Dd (R) 19 ft. C,D,P.
23bcb-1	C. E. Finch	1960	C	80	4	80	O	4,634.3	-58	3-25-64	S,E (½)	6R	1- 4-60	H,S	58	Dd (R) 12 ft. D.
24ddc-1	Latter-day Saints Church, Kearns Stake	1965	C	530M	20	533	P 366-391, 422-428, 462-482	4,740	-228.4	9-21-65	-	216R	9-10-65	I,O	72M	Dd (R) 34 ft after 5 hrs pumping 200 gpm. Originally drilled to 600 ft. Gravel in borehole 490-600 ft. D,J.
25aab-1	do	1951	C	645	16,12	645	P 372-450, 461-497, 507-550, 568-575, 585-600	4,778	-260	2- 4-64	S,E (300)	1,350R	1964	I	64M	Dd (R) 41 ft. C,D,P.
27dba-1	Loyd and Taylor Penrod	1958	C	232	4	232	O	4,744	-220	7- -60	C,E (1)	5R	6-23-58	H,S	60	Dd (R) 5 ft. C,D.
28ada-1	Elberta Land & Water Co.	1951	C	335	6	335	P 330-335	4,642	-108	4-21-64	S,E (½)	50R	11-23-51	S	68	Dd (R) 20 ft. C.D.
29cdd-1	Lazy S Cattle Co.	1961	C	862	16	842	P 185-189, 205-275, 280-574	4,680	-144	5- 5-64	T,E (125)	1,642	6-14-66	I,O	72M	Dd (R) 137 ft after 92 hrs pumping 700 gpm 5-16-62. C,F,P.
29dcd-1	do	1954	C	460	6	-	O	4,670	-128	12-20-54	T,E (3)	300R	12-20-54	H,S	-	Dd (R) 22 ft. D.
29ddd-1	do	1962	C	702	16	700	P 162-195, 228-246, 408-411, 420-428, 532-695	4,660	-113.7	3- 8-67	T,E (75)	760	8-22-66	I,O	66M	Dd (M) 86 ft after 8 hrs pumping 890 gpm 7-20-62. C,D,P.
31bdb-1	Earl Barney	1955	C	240	6	-	P 225-230	4,760	-221.5	3-25-64	S,E (1)	10R	6-19-55	H,S	60	Dd (R) 7 ft. C,D,W.
31cdd-1	Latter-day Saints Church, East Jordan Stake	1963	C	603	20	603	P 290-603	4,760	-229.1	3-11-67	T,E (200)	1,890	9- 2-66	I,O	65M	Dd (M) 61 ft after pumping 2,120 gpm 7-12-63. A,C,D,P,W.
32ccc-1	Lazy S Cattle Co.	1961	C	515	16	507	P 210-220, 263-324, 352-356, 367-398, 420-505	4,720	-204	3-29-66	T,E (200)	2,210	9- 2-66	I,O	68M	Dd (M) 30 ft after pumping 3,000 gpm 2-27-61. C,D,P.
33aba-1	Max Thomas	-	C	425	6	425	P 325-425	4,625.5	-88	3-24-64	S,E (1½)	-	-	H	68	C.
33bbb-1	Elberta Land & Water Co.	1949	C	430	8,6	-	O	4,636	-111	3-24-64	S,E (1)	28R	8-20-49	H,S	65	Dd (R) 2 ft. D.
33cbb-1	Lazy S Cattle Co.	1961	C	395M	16	561	P 155-567	4,680	-124.2	3- 8-67	-	75R	5- -62	O	65	Originally drilled to 567 ft. Dd (R) 90 ft after 17 hrs. F,J,U,W.
34bbb-1	Elberta Land & Water Co.	1949	C	342	6,4	-	O	4,660	-97.5	3- 8-67	S,E (½)	13R	10- 1-49	H,O,S	62	Dd (R) 3 ft. D.
(C-11-1) 6abc-1	Lazy S Cattle Co.	1963	C	682	18	679	P 315-322, 330-335, 390-488, 495-532, 545-675	4,770	-236.3	4-10-67	T,E (250)	2,329	6- 8-66	I,O	65M	Dd (M) 24 ft after 48 hrs pumping 3,150 gpm 5-17-63. A,C,D,P.
6bdd-1	do	1964	C	772	18	762	P 425-500, 533-541, 556-579, 584-659, 672-745	4,780	-256.2	3-11-67	T,E (300)	2,510	7- 6-66	I,O	66M	Dd (R) 27 ft after 26 hrs pumping 2,900 gpm 4-15-64. A,C,F,P,W.
(D-9-1) 18cbc-1	U.S. Bureau of Land Management	1916	J	111	2	-	O	4,488	+6.4	6-15-64	F	4E	10-26-64	S	58	C.
21bbc-1	State of Utah	1934	C	376	3	300	O	4,508	-	-	F	-	-	H,S	54	Reportedly 10 gpm pumped 10-23-34. D.
21cbc-1	A. L. Curtis	1933	C	100	4	-	O	4,512	+1.2	3-15-65	F	<1E	3-15-65	H,I,S	52	C.

Table 1.--Records of selected wells - Continued

Well No.	Owner or user	Year constructed	Method of construction	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude above mean sea level	Water level: Above(+) or below(-) land-surface datum (feet)	Water level: Date of measurement	Method of lift and type of power	Yield: Rate (gpm)	Yield: Date of measurement	Use of water	Temperature (°F)	Remarks and other data available
GOSHEN VALLEY - Continued																
(D-9-1)																
27aca-1	U.S. Steel Corp.	1944	C	320	10,8½	310	O	4,760	-230.9	2-14-67	S,E (7½)	35R	2- 1-44	N	-	D,P.
27aca-2	do	1950	C	365	8½	365	P 220-365	4,760	-224	1- -50	S,E (7½)	50R	1-30-50	N	56	D,P.
33bbb-1	Genola Town Corp.	1934	C	190M	6	214	P 208-214	4,597	-51.0	3-25-66	-	86R	1934	U	-	Originally drilled to 214 ft. D,J.
34bdb-1	George Chafin	1930	C	257	6	-	-	4,800	-256.5	5- 8-65	-	10R	1930	U	-	
(D-10-1)																
6cbd-1	Kenneth Cook	1958	J	65	2	-	O	4,518	-	-	F	4.6	6-16-64	H,S	54	C,D.
7bda-1	Floyd Burraston	1956	J	60	2	40	O	4,515	+6	9-23-56	F	4R	9-23-56	S	55	D.
17cca-1	D. S. Powelson & Sons	1955	C	102	12	102	P 80-102	4,563	-32.2	3- 8-67	T,D	75R	10-27-55	U	-	Dd (R) 15 ft. D,W.

Table 2.-- Water levels in selected observation wells

Water levels in feet below land-surface datum are designated by a minus (-) sign immediately before the first entry in each column in the table, and those above land-surface datum are designated similarly by a plus (+) sign. An asterisk (*) indicates that the well was being pumped.

Water-level records prior to 1961 which are not included in this table are in the files of the U.S. Geological Survey, Salt Lake City, Utah and in the following published water-supply papers:

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

Water levels below land surface were measured by steel tape and air line gage. The air line gage measurements are given to the nearest foot in the table. Water levels above land surface were measured by mercury manometer. Both taped and manometric measurements are given to the nearest tenth of a foot. Dagger (†), indicates measurement by U.S. Bureau of Reclamation; all other measurements by U.S. Geological Survey.

SOUTHERN UTAH VALLEY

(D-7-2)34caa-1. Records available 1964-67

Apr. 8, 1964	† +10.2	Feb. 2, 1965	+ 9.6	Oct. 6, 1965	+12.5
May 12	10.3	Mar. 1	10.5	Dec. 28	9.5
Aug. 3	11.2	Apr. 5	10.7	Mar. 25, 1966	11.4
Oct. 20	9.2	May 3	10.7	Aug. 17	11.1
Dec. 3	8.8	June 6	14.3	Dec. 20	11.8
Jan. 5, 1965	9.2	July 2	14.0	Mar. 27, 1967	11.8

(D-7-2)36dcc-2. Records available 1938-67

June 1, 1964	+15.1	Dec. 3, 1964	+12.1	Mar. 24, 1966	+ 6.2
July 9	13.6	Mar. 1, 1965	15.9	Aug. 17	3.4
Aug. 3	12.7	Oct. 6	14.4	Dec. 20	3.4
Sept. 1	8.6	Dec. 28	6.5	Mar. 27, 1967	6.2

(D-7-3)28bdb-1. Records available 1964-67

Mar. 30, 1964	† +19.4	Mar. 1, 1965	+21.3	Oct. 21, 1966	+20.8
July 9	24.8	Mar. 3	20.9	Mar. 24	21.6
Aug. 3	24.6	Apr. 5	21.3	July 27	23.5
Sept. 1	23.2	May 3	21.9	Aug. 4	22.4
Oct. 5	22.5	June 7	26.0	Aug. 17	22.3
Nov. 2	22.2	July 2	26.8	Dec. 20	21.6
Dec. 3	21.7	Oct. 6	25.1	Jan. 21, 1967	21.0
Jan. 5, 1965	21.2	Dec. 27	23.3	Mar. 27	20.6
Feb. 1	21.8				

(D-7-3)31ddd-1. Records available 1964-66

July 28, 1964	+ 5.5	Feb. 1, 1965	+ 9.8	July 2, 1965	+ 8.1
Sept. 1	4.1	Mar. 1	10.1	Oct. 6	8.2
Oct. 5	5.5	Apr. 5	10.1	Dec. 28	9.2
Nov. 2	6.5	May 3	9.8	Mar. 24, 1966	9.7
Dec. 3	7.7	June 7	8.1	Aug. 17	6.4
Jan. 5, 1965	8.2				

(D-7-3)33baa-6. Records available 1935-50, 1964-66

May 28, 1964	+ 7.2	Jan. 5, 1965	+ 8.0	July 2, 1965	+11.3
July 9	7.3	Feb. 1	8.3	Oct. 6	12.0
Aug. 3	7.4	Mar. 1	7.9	Oct. 20	11.9
Sept. 1	6.4	Apr. 5	7.7	Dec. 28	10.3
Oct. 5	7.0	May 3	7.9	Mar. 24, 1966	8.8
Nov. 2	7.7	June 7	10.1	Aug. 17	5.3
Dec. 3	7.9				

(D-7-3)33ccc-5. Records available 1938-40, 1964-67

Aug. 5, 1964	+ 5.7	Mar. 1, 1965	+ 8.0	Mar. 24, 1966	+10.5
Sept. 1	5.5	Apr. 5	8.3	Aug. 13	4.2
Oct. 5	5.9	May 3	7.9	Dec. 20	7.9
Nov. 2	6.8	June 7	9.5	Jan. 21, 1967	7.6
Dec. 3	8.0	July 2	10.7	Feb. 21	6.2
Jan. 5, 1965	8.0	Oct. 5	13.8	Mar. 27	7.1
Feb. 1	8.4	Dec. 28	12.0		

(D-8-1)25aba-1. Records available 1964-67

June 1, 1964	+11.1	Jan. 5, 1965	+11.2	Oct. 21, 1965	+12.9
July 9	10.6	Feb. 2	11.3	Dec. 29	12.3
Aug. 3	11.4	Mar. 1	11.5	Mar. 25, 1966	13.1
Sept. 1	9.4	Apr. 5	11.8	Aug. 24	10.6
Oct. 1	9.6	May 3	11.8	Dec. 20	10.9
Nov. 2	10.1	June 7	11.8	Mar. 24, 1967	12.9
Dec. 3	10.5	July 2	11.9		

(D-8-1)25cbb-1. Records available 1964-67

July 21, 1964	+15.2	Feb. 2, 1965	+16.0	Oct. 21, 1965	+17.7
Sept. 1	15.6	Mar. 1	16.9	Dec. 29	17.8
Oct. 1	14.9	Apr. 5	17.3	Mar. 25, 1966	17.8
Nov. 2	16.0	May 3	17.0	Aug. 24	17.7
Dec. 3	15.4	June 7	16.8	Dec. 20	17.4
Jan. 5, 1965	16.1	July 2	17.5	Jan. 20, 1967	16.3

(D-8-2)4cba-2. Records available 1937-67

Mar. 23, 1961	+35.1	Sept. 1, 1964	+17.0	July 2, 1965	+19.9
Jan. 5, 1962	28.1	Oct. 5	18.4	Oct. 21	20.8
Mar. 6	29.9	Nov. 2	19.6	Dec. 28	22.1
Dec. 6	28.4	Dec. 3	19.8	Mar. 25, 1966	21.8
Mar. 7, 1963	26.3	Jan. 1, 1965	20.8	Aug. 23	18.0
Aug. 27	17.6	Feb. 2	20.4	Dec. 30	† 19.7
Dec. 16	20.2	Mar. 1	21.7	Jan. 27, 1967	† 20.9
May 28, 1964	19.3	Apr. 5	22.3	Feb. 10	† 20.0
July 9	18.9	May 3	19.6	Mar. 16	† 21.0
Aug. 3	18.2	June 7	19.8	Mar. 27	† 20.6

(D-8-2)7ddd-1. Records available 1938-50, 1964-67

May 28, 1964	+10.8	Jan. 5, 1965	+10.0	Oct. 21, 1965	+13.3
July 9	9.8	Feb. 2	9.9	Dec. 28	12.7
Aug. 3	10.6	Mar. 1	11.1	Mar. 25, 1966	12.8
Sept. 1	11.8	Apr. 5	11.2	Aug. 23	12.4
Oct. 5	11.6	May 3	12.4	Mar. 28, 1967	13.7
Nov. 2	11.5	June 7	10.8		
Dec. 3	11.5	July 2	11.5		

(D-8-2)10bbd-2. Records available 1964-67

Aug. 24, 1964	+ 6.6	Apr. 5, 1965	+10.9	Dec. 28, 1965	+10.0
Dec. 3	9.3	May 3	10.9	Mar. 25, 1966	10.3
Jan. 1, 1965	9.9	June 7	10.7	Aug. 17	8.0
Feb. 2	10.1	July 2	10.2	Dec. 20	9.5
Mar. 1	10.9	Oct. 6	11.0	Mar. 28, 1967	9.8

(D-8-2)12ddc-1. Records available 1964-67

Dec. 3, 1964	+ 6.5	May 3, 1965	+ 8.1	Mar. 28, 1966	+ 6.9
Jan. 5, 1965	7.2	June 7	5.9	Jan. 20, 1967	7.7
Feb. 2	7.4	July 2	5.6	Feb. 20	7.2
Mar. 1	8.1	Oct. 6	6.7	Mar. 27	7.6
Apr. 5	8.4	Dec. 28	7.3		

(D-8-2)12ddc-2. Records available 1964-67

Apr. 1, 1964	† +35.2	Feb. 2, 1965	+35.5	Oct. 6, 1965	+38.7
May 18	† 35.2	Mar. 1	36.4	Dec. 28	38.4
July 22	† 27.2	Mar. 4	† 36.6	Mar. 25, 1966	36.8
Sept. 8	26.9	Apr. 5	36.6	Dec. 20	35.5
Oct. 6	† 26.0	May 3	33.6	Jan. 20, 1967	34.5
Dec. 3	35.3	June 7	35.2	Feb. 20	34.1
Jan. 1, 1965	35.7	July 2	35.0	Mar. 27	34.9

(D-8-2)16caa-1. Records available 1937-40, 1964-67

Sept. 2, 1964	+33.5	Mar. 1, 1965	+37.4	Dec. 29, 1965	+38.8
Oct. 5	33.4	Apr. 5	37.6	Mar. 25, 1966	38.6
Nov. 2	34.7	May 3	37.6	Aug. 23	35.4
Dec. 3	35.8	June 7	37.7	Dec. 20	36.1
Jan. 5, 1965	36.0	July 2	36.7	Jan. 20, 1967	36.4
Feb. 2	36.8	Oct. 21	39.6	Mar. 27	37.5

(D-8-2)17add-5. Records available 1964-67

Sept. 3, 1964	-10.5	Mar. 1, 1965	- 9.4	Dec. 29, 1965	- 8.3
Oct. 5	9.8	Apr. 5	8.6	Mar. 25, 1966	8.1
Nov. 2	9.4	May 3	9.6	Aug. 23	10.8
Dec. 3	8.8	June 7	8.7	Dec. 20	8.5
Jan. 5, 1965	8.4	July 2	9.7	Jan. 20, 1967	8.5
Feb. 2	8.8	Oct. 21	9.0	Mar. 27	8.4

(D-8-2)19add-1. Records available 1964-65

Sept. 3, 1964	+13.8	Jan. 5, 1965	+17.5	May 3, 1965	+17.7
Oct. 5	16.0	Feb. 2	18.1	June 7	17.3
Nov. 2	16.9	Mar. 1	19.1	July 2	17.8
Dec. 3	17.6	Apr. 5	18.9		

(D-8-2)22acc-1. Records available 1964-67

Sept. 15, 1964	- 3.9	Apr. 5, 1965	- 0.9	Dec. 29, 1965	- 0.2
Dec. 3	1.7	May 3	1.0	Mar. 25	.5
Jan. 5, 1965	1.3	June 7	1.2	Aug. 23	3.7
Feb. 2	1.2	July 2	1.2	Dec. 20	2.4
Mar. 1	1.1	Oct. 21	.5	Mar. 27, 1967	2.3

(D-8-2)23dca-2. Records available 1949-67

Mar. 17, 1949	+27.6	Dec. 6, 1957	+26.1	Sept. 1, 1964	+10.3
Dec. 16	29.1	Dec. 4, 1958	29.7	Oct. 5	12.8
Mar. 22, 1950	28.0	Mar. 18, 1959	26.8	Nov. 3	15.3
Dec. 19	29.2	Dec. 24	22.9	Dec. 3	17.5
Apr. 4, 1951	27.7	Mar. 23, 1960	23.6	Jan. 5, 1965	17.9
Dec. 26	27.7	Dec. 9	21.8	Feb. 2	18.1
Apr. 9, 1952	26.7	Mar. 23, 1961	21.6	Mar. 1	18.5
Dec. 16	37.0	Jan. 5, 1962	16.5	Apr. 5	18.7
Apr. 21, 1953	33.6	Mar. 6	18.0	May 3	16.7
Dec. 8	31.3	Dec. 6	18.0	June 7	17.0
Mar. 24, 1954	29.9	Mar. 7, 1963	18.8	July 2	17.1
Dec. 29	24.3	Aug. 27	8.7	Oct. 20	20.8
Apr. 22, 1955	23.9	Dec. 16	15.7	Mar. 25, 1966	20.0
Dec. 22	22.5	Apr. 9, 1964	16.7	Aug. 23	9.4
Mar. 30, 1956	23.1	May 28	11.0	Dec. 20	17.7
Dec. 19	30.4	July 9	12.4	Jan. 19, 1967	17.0
Apr. 1, 1957	22.2	Aug. 3	11.0	Feb. 20	15.8

Table 2.--Water levels in selected observation wells - Continued

SOUTHERN UTAH VALLEY - Continued

(D-8-2)23dca-2 - Continued

Mar.	20, 1967	+17.0					

(D-8-2)25dbd-2. Records available 1964-67

Sept.	17, 1964	-50.2	Apr.	5, 1965	-44.6	Mar.	23, 1966	-42.7
Nov.	3	46.4	May	3	45.9	Aug.	23	56.1
Dec.	3	45.3	June	7	44.7	Dec.	20	44.5
Jan.	5, 1965	44.8	July	2	49.1	Jan.	24, 1967	46.9
Feb.	2	44.8	Oct.	15	43.7	Feb.	20	45.2
Mar.	1	44.8	Dec.	29	41.8	Mar.	27	44.5

(D-8-2)29aaa-7. Records available 1964-67

Sept.	25, 1964	+11.3	Mar.	1, 1965	+14.2	Dec.	30, 1965	+16.2
Nov.	2	12.7	Apr.	5	14.1	Mar.	25, 1966	14.2
Dec.	3	12.8	May	3	13.2	Apr.	13	14.5
Jan.	5, 1965	13.1	June	7	12.0	Aug.	23	12.1
Feb.	2	13.8	Oct.	21	14.8	Mar.	24, 1967	14.9

(D-8-2)29add-1. Records available 1940-50, 1964-67

May	28, 1964	+ 8.0	Jan.	5, 1965	+ 8.6	Oct.	21, 1965	+10.6
July	9	8.0	Feb.	2	8.9	Dec.	30	11.7
Aug.	3	8.2	Mar.	1	8.9	Mar.	25, 1966	10.7
Sept.	1	7.9	Apr.	5	9.7	Aug.	23	8.5
Oct.	5	7.8	May	3	9.0	Dec.	20	10.0
Nov.	2	8.0	June	7	8.5	Mar.	24, 1967	10.6
Dec.	3	8.7	July	2	9.3	Mar.	27	10.5

(D-8-2)30daa-1. Records available 1964-66

Sept.	25, 1964	+14.5	Mar.	1, 1965	+14.9	Oct.	21, 1965	+15.9
Nov.	2	13.9	Apr.	5	16.0	Dec.	29	14.0
Dec.	3	14.0	May	3	15.1	Mar.	25, 1966	15.7
Jan.	5, 1965	15.2	June	7	14.9	Aug.	25	14.6
Feb.	2	14.4	July	2	15.4			

(D-8-2)31cdb-1. Records available 1964-67

Aug.	4, 1964	+ 6.3	Feb.	2, 1965	+ 7.2	Oct.	21, 1965	+ 8.9
Sept.	1	5.8	Mar.	1	7.7	Dec.	29	9.5
Oct.	1	5.8	Apr.	5	7.8	Mar.	25, 1966	8.5
Nov.	2	6.5	May	3	8.0	Aug.	24	6.8
Dec.	3	6.5	June	7	7.4	Dec.	20	7.2
Jan.	5, 1965	7.2	July	2	7.9	Mar.	24, 1967	8.8

(D-8-2)33bdc-1. Records available 1964-67

Oct.	5, 1964	+12.4	Mar.	1, 1965	+13.0	Oct.	21, 1965	+13.3
Nov.	3	12.9	Apr.	5	12.9	Mar.	28, 1966	13.4
Dec.	4	12.7	May	3	12.2	Apr.	13	13.1
Jan.	5, 1965	12.4	June	7	12.2	Aug.	23	12.9
Feb.	2	12.4	July	2	13.0	Mar.	27, 1967	13.3

(D-8-2)34dda-1. Records available 1964-67

Sept.	29, 1964	+12.4	Apr.	5, 1965	+14.7	Mar.	25, 1966	+14.3
Nov.	3	13.3	May	3	14.5	Apr.	18	14.8
Dec.	4	13.9	June	7	14.2	Aug.	23	10.9
Jan.	5, 1965	14.6	July	2	13.6	Mar.	24, 1967	15.0
Feb.	2	14.5	Oct.	20	15.0			
Mar.	1	14.9	Dec.	29	15.0			

(D-8-3)4cad-1. Records available 1935-65

Mar.	23, 1961	+13.1	May	28, 1964	+13.0	Jan.	5, 1965	+14.5
Jan.	5, 1962	13.2	July	9	14.2	Feb.	2	14.2
Mar.	6	13.9	Aug.	3	12.9	Mar.	3	14.2
Dec.	6	16.8	Sept.	1	12.0	Apr.	5	14.4
Mar.	7, 1963	16.0	Oct.	5	13.0	May	3	14.4
Aug.	27	10.6	Nov.	2	13.6	June	7	16.6
Dec.	16	13.9	Dec.	3	14.3	July	2	18.1

(D-8-3)14acc-1. Records available 1965-67

Oct.	20, 1965	-165.1	Mar.	23, 1966	-168.0	Aug.	25, 1966	-175.5
Dec.	28	165.6	Apr.	13	168.8	Mar.	27, 1967	173.3

(D-8-3)17cdc-2. Records available 1961-67

Dec.	6, 1961	† -141.7	Dec.	4, 1964	-143.9	May	4, 1965	-143.6
Apr.	12, 1962	† 141.0	Jan.	5, 1965	143.4	June	8	144.6
Nov.	26, 1963	† 147.9	Feb.	1	143.3	Oct.	20	141.6
Mar.	23, 1964	† 143.7	Mar.	1	143.3	Aug.	30, 1966	151.1
Oct.	14	† 147.2	Apr.	6	143.4	Mar.	24, 1967	144.9

(D-8-3)28bcd-1. Records available 1964-67

Mar.	27, 1964	-151.1	Jan.	5, 1965	-149.6	July	2, 1965	-156.8
May	18	150.8	Feb.	1	149.4	Oct.	20	155.8
June	18	152.7	Mar.	1	149.3	Dec.	29	145.0
July	27	155.2	Apr.	6	149.7	Mar.	21, 1966	146.2
Oct.	14	152.7	May	4	149.2	Dec.	19	149.4
Dec.	4	150.2	June	23	160.9	Mar.	25, 1967	149.7

(D-8-3)34aca-1. Records available 1964-66

Mar.	26, 1964	† -101.9	June	8, 1965	-99.4	Dec.	29, 1965	-100.9
May	13	† 101.7	June	30	99.2	Mar.	21, 1966	101.5
July	28	† 100.3	July	2	102.4	Dec.	20	101.4
Oct.	15	† 100.4	Oct.	20	100.5	Mar.	24	101.2
Mar.	23, 1965	† 101.1						

(D-8-3)34bab-1. Records available 1965-67

Mar.	3, 1965	-160.4	Dec.	29, 1965	-154.0	Mar.	22, 1966	-154.8
May	3	158.8	Jan.	30, 1966	154.2	Apr.	2	154.6
June	8	157.9	Feb.	11	154.7	Apr.	20	155.3
July	2	158.1	Feb.	21	154.7	May	3	155.7
Oct.	20	155.8	Mar.	2	154.1	May	22	155.1

(D-8-3)34bab-1 - Continued

June	2, 1966	-158.1	Sept.	1, 1966	-167.0	Dec.	16, 1966	-158.7
June	24	162.4	Sept.	19	161.7	Jan.	10, 1967	158.6
July	3	163.1	Oct.	1	162.0	Jan.	23	157.9
July	24	165.3	Oct.	28	160.1	Feb.	14	158.0
Aug.	6	161.5	Nov.	1	160.1	Feb.	27	159.0
Aug.	31	166.8	Nov.	21	159.1	Mar.	9	158.8

(D-9-1)14aad-1. Records available 1965-67

Jan.	6, 1965	-60.0	June	8, 1965	-65.2	Apr.	11, 1966	-56.7
Feb.	1	59.8	July	1	66.9	Apr.	12	56.7
Mar.	2	59.5	Oct.	21	57.1	Aug.	24	92.6
Apr.	5	59.4	Dec.	30	56.0	Dec.	19	57.2
May	3	59.2	Mar.	23, 1966	56.0	Mar.	30, 1967	57.3

(D-9-1)23ada-1. Records available 1964-67

Dec.	4, 1964	-26.8	May	3, 1965	-24.4	Apr.	11, 1966	-19.3
Jan.	6, 1965	26.0	June	8	* 47.0	Apr.	12	19.6
Feb.	1	25.6	Oct.	21	22.0	Aug.	24	26.0
Mar.	2	25.1	Dec.	30	20.3	Dec.	19	22.1
Apr.	5	24.7	Mar.	23, 1966	19.5	Mar.	25, 1967	22.0

(D-9-1)25ada-3. Records available 1964-67

Apr.	14, 1964	+ 5.7	Dec.	4, 1964	+ 7.0	July	1, 1965	+10.7
May	27	5.4	Jan.	6, 1965	7.3	Oct.	21	10.8
July	9	6.5	Feb.	1	8.0	Dec.	30	12.3
Aug.	3	7.4	Mar.	2	8.0	Mar.	28, 1966	10.2
Aug.	31	6.4	Apr.	5	7.9	Aug.	24	7.7
Oct.	1	5.7	May	3	8.1	Mar.	28, 1967	8.0
Nov.	3	6.4	June	8	9.0			

(D-9-1)26aab-1. Records available 1964-67

June	17, 1964	-83.0	Apr.	5, 1965	-63.8	Mar.	23, 1966	-57.9
Oct.	14	70.3	May	3	63.8	Apr.	11	57.8
Dec.	4	66.6	June	8	82.0	Apr.	12	* 70.1
Jan.	6, 1965	65.5	July	1	65.6	Aug.	24	* 81.6
Feb.	1	65.1	Oct.	21	61.2	Dec.	19	62.0
Mar.	2	64.5	Dec.	30	58.8	Mar.	25, 1967	61.8

(D-9-1)36cdd-1. Records available 1964-67

May	15, 1964	† -191.6	Apr.	5, 1965	-187.4	Dec.	30, 1965	-180.1
Oct.	8	† 190.8	May	3	187.1	Mar.	23, 1966	182.5
Dec.	4	186.9	June	8	* 199.4	Aug.	25	* 217.0
Jan.	6, 1965	189.2	July	1	* 204.9	Dec.	19	187.0
Feb.	1	189.3	Oct.	2	179.0	Mar.	25, 1967	187.9
Mar.	2	188.9						

(D-9-2)2add-1. Records available 1964-67

Sept.	30, 1964	+12.0	Apr.	5, 1965	+17.5	Mar.	25, 1966	+18.4
Nov.	3	14.0	May	3	15.2	Apr.	12	18.4
Dec.	4	15.8	June	7	16.9	Apr.	15	18.6
Jan.	5, 1965	16.1	July	2	10.3	Dec.	19	18.3
Feb.	1	16.4	Oct.	21	20.9	Mar.	28, 1967	18.4
Mar.	1	16.9	Dec.	29	20.0			

(D-9-2)5ddc-2. Records available 1935-60, 1962-67

Jan.	5, 1962	+ 9.7	Aug.	3, 1964	+ 9.0	Apr.	5, 1965	+10.0
Mar.	6	9.5	Sept.	1	9.9	May	3	10.3
Dec.	6	10.8	Oct.	1	10.7	June	7	11.4
Mar.	12, 1963	9.3	Nov.	2	11.2	July	2	12.5
Aug.	27	7.5	Dec.	4	10.6	Oct.	21	13.8
Dec.	16	10.8	Jan.	5, 1965	10.3	Dec.	29	13.3
May	28, 1964	8.1	Feb.	2	9.8	Dec.	19, 1966	12.5
July	9	9.1	Mar.	1	10.0	Mar.	28, 1967	11.2

(D-9-2)11aaa-1. Records available 1935-50, 1964-67

May	28, 1964	+26.8	Jan.	5, 1965	+27.5	Oct.	21, 1965	+31.8
July	9	26.2	Feb.	2	27.5	Dec.	29	33.2
Aug.	3	25.9	Mar.	1	28.0	Mar.	25, 1966	33.0
Aug.	31	25.8	Apr.	5	28.1	Aug.	25	33.1
Oct.	1	26.2	May	3	28.2	Dec.	19	32.5
Nov.	3	26.9	June	7	28.1	Mar.	25, 1967	31.4
Dec.	4	27.0	July	2	28.6			

(D-9-2)12dbb-2. Records available 1964-66

Aug.	4, 1964	-54.2	Jan.	5, 1965	-54.5	June	7, 1965	-56.8
Aug.	31	52.6	Feb.	1	54.9	July	2	57.2
Oct.	1	53.0	Mar.	1	55.3	Oct.	20	58.6
Nov.	3	53.4	Apr.	5	55.9	Dec.	29	57.3
Dec.	4	53.9	May	3	56.6	Mar.	23, 1966	60.0

(D-9-2)17ada-1. Records available 1964-67

Nov.	3, 1964	-112.8	Apr.	5, 1965	-115.3	Dec.	29, 1965	-109.9
Dec.	4	113.2	May	3	115.2	Mar.	23, 1966	112.0
Jan.	6, 1965	113.8	June	7	112.9	Aug.	23	115.3
Feb.	1	114.5	July	1	113.7	Dec.	20	112.4
Mar.	3	114.9	Oct.	21	108.0	Mar.	27, 1967	113.4

(D-9-2)22bda-1. Records available 1964-67

Apr.	3, 1964	† -113.9	Feb.	1, 1965	-106.7	July	2, 1965	-103.4
May	14	† 113.7	Mar.	3	107.0	Oct.	20	102.3
Oct.	16	† 109.8	Apr.	5	106.8	Mar.	23, 1966	99.4
Dec.	4	108.2	May	3	106.5		1967	† 95.1
Jan.	6, 1965	107.4	June	7	105.1			

(D-9-3)5bbd-1. Records available 1965-67

Jan.	5, 1965	-93.2	Mar.	1, 1965	-93.5	May	4, 1965	-93.4
Feb.	1	93.1	Apr.	6	93.0	June	8	92.6

Table 2.--Water levels in selected observation wells - Continued

SOUTHERN UTAH VALLEY - Continued

(D-9-3)5bbd-1 - Continued

Oct.	15, 1965	-89.6	Aug.	25, 1966	-104.6	Feb.	28, 1967	-93.8
Dec.	29	89.2	Jan.	23, 1967	91.6	Mar.	15	92.8
Mar.	23, 1966	90.4	Feb.	15	93.0	Mar.	29	92.4
Apr.	8	91.0						

(D-9-3)5cdc-1. Records available 1964-67

Sept.	1, 1964	-42.3	Mar.	1, 1965	-41.2	Mar.	23, 1966	-39.6
Oct.	1	41.0	Apr.	6	41.3	Apr.	12	39.6
Nov.	3	41.1	May	4	41.3	Apr.	13	39.6
Dec.	4	41.2	June	8	41.3	Aug.	25	39.6
Jan.	5, 1965	41.2	Oct.	20	41.0	Dec.	19	40.2
Feb.	1	41.2	Dec.	29	40.1	Mar.	24, 1967	40.3

(D-9-3)6abb-1. Records available 1964-67

June	1, 1964	- 6.6	Mar.	1, 1965	- 8.8	Apr.	13, 1966	- 8.7
July	9	6.7	Apr.	6	9.3	Apr.	14	8.6
Aug.	3	7.6	May	4	8.1	Apr.	15	8.8
Sept.	1	7.8	June	8	4.6	Apr.	21	7.1
Oct.	1	7.3	July	2	6.1	Apr.	25	8.8
Nov.	3	8.9	Oct.	20	7.1	Aug.	25	7.4
Dec.	4	9.1	Dec.	29	8.2	Dec.	19	7.8
Jan.	5, 1965	8.8	Mar.	23, 1966	8.7	Mar.	24, 1967	7.8
Feb.	1	8.3	Apr.	12	9.1			

GOSHEN VALLEY

(C-8-1)32bcb-1. Records available 1964-67

July	1, 1964	† -188.7	Mar.	2, 1965	-188.7	Oct.	15, 1965	-190.6
July	23	† 188.9	Mar.	4	† 189.1	Mar.	25, 1966	188.6
Aug.	18	† 188.9	Apr.	7	189.6	Apr.	5	188.7
Sept.	4	† 188.8	May	4	188.6	Aug.	11	188.7
Dec.	7	189.7	June	9	188.7	Dec.	19	188.6
Feb.	3, 1965	188.8	July	1	188.6	Mar.	8, 1967	188.7

(C-9-1)3ddb-1. Records available 1965-67

Mar.	14, 1965	† -18.0	Mar.	24, 1966	-18.6	Aug.	11, 1966	-20.8
May	4	* 142.8	Apr.	5	18.5	Dec.	19	20.2
June	9	19.4	Apr.	12	18.5	Mar.	8, 1967	19.3
Nov.	2	19.9						

(C-9-1)4ddc-1. Records available 1965-67

Mar.	12, 1965	† -80.2	Nov.	2, 1965	* -207.0	Aug.	11, 1966	* -216.0
May	4	* 205.0	Mar.	25, 1966	81.9	Dec.	19	82.0
June	9	* 196.9	Apr.	5	81.8	Mar.	8, 1967	83.0
July	1	* 207.0	Apr.	12	83.7			

(C-9-1)20ddd-1. Records available 1965-67

Jan.	6, 1965	-139.6	June	9, 1965	-140.7	Apr.	5, 1966	-141.7
Feb.	3	138.8	July	1	141.4	Apr.	12	141.0
Mar.	2	138.5	Oct.	15	143.5	Aug.	11	147.9
Mar.	10	† 138.5	Dec.	30	145.3	Dec.	19	146.7
Apr.	7	138.2	Mar.	25, 1966	141.7	Mar.	8, 1967	145.3
May	4	140.8						

(C-9-1)28ccb-1. Records available 1965-67

Mar.	2, 1965	-135.0	July	1, 1965	*-193.0	Apr.	5, 1966	*-206.0
Mar.	4	† 135.0	Oct.	15	141.5	Dec.	19	143.1
Apr.	7	134.4	Dec.	30	148.2	Mar.	8, 1967	142.0
May	4	* 189.5	Mar.	25, 1966	138.1	Apr.	10	140.3
June	9	137.6						

(C-9-1)29acc-1. Records available 1965-67

May	18, 1965	*-271.0	Mar.	29, 1966	†-221.2	Apr.	10, 1967	-221.6
June	3	† * 268.0	Mar.	10, 1967	222.3	Apr.	14	221.7

(C-9-1)34ccc-1. Noon water level on date from recorder graph. Records available 1965-66

Feb.	3, 1965	-27.2	Aug.	15, 1965	-28.2	Mar.	10, 1966	-29.3
Feb.	26	27.2	Aug.	30	28.4	Mar.	20	29.2
Mar.	5	27.2	Sept.	5	28.4	Mar.	29	29.3
Mar.	15	27.1	Sept.	15	28.4	June	28	30.6
Mar.	31	27.1	Sept.	27	28.5	July	5	30.7
Apr.	5	27.2	Oct.	10	28.6	July	15	31.0
Apr.	15	27.2	Oct.	25	28.7	July	31	31.2
Apr.	30	27.3	Nov.	5	28.7	Aug.	5	31.2
May	5	27.3	Nov.	15	28.8	Aug.	15	31.4
May	15	27.4	Nov.	26	29.2	Aug.	31	31.6
May	31	27.4	Dec.	5	30.3	Sept.	5	31.6
June	5	27.5	Dec.	13	30.3	Sept.	16	31.8
June	15	27.6	Dec.	31	30.3	Sept.	30	31.9
June	30	27.7	Jan.	5, 1966	29.3	Oct.	5	31.8
July	5	27.8	Jan.	21	29.4	Oct.	15	31.6
July	15	27.9	Jan.	31	29.2	Oct.	31	31.6
July	28	28.1	Feb.	15	29.4	Nov.	8	31.4
Aug.	5	28.1	Feb.	28	29.3			

(C-10-1)2aad-1. Records available 1939-58, 1965-66

Mar.	30, 1965	-13.9	Mar.	25, 1966	-13.8	Aug.	29, 1966	-13.7

(C-10-1)2bcd-1. Records available 1964-67

Mar.	23, 1964	† - 6.5	Feb.	3, 1965	- 5.3	July	1, 1965	- 5.2
May	13	† 5.3	Mar.	2	5.4	Oct.	21	6.0
June	12	† 5.0	Apr.	7	5.7	Dec.	30	5.6
July	1	† 5.0	May	4	5.7	Mar.	25, 1966	6.7
Oct.	8	† 5.9	June	9	5.2	Mar.	11, 1967	6.0
Jan.	6, 1965	5.5						

(C-10-1)4bbb-1. Records available 1964-67

June	9, 1964	† -192.0	Jan.	6, 1965	-161.8	Oct.	15, 1965	*-201.9
June	16	† 195.6	Feb.	3	157.7	Mar.	24, 1966	158.5
July	1	† 197.5	Mar.	2	156.0	Mar.	30	* 198.1
July	23	† 198.6	Mar.	4	† 155.9	Apr.	7	* 195.9
Aug.	18	† 198.0	Apr.	7	* 229.2	Apr.	12	* 196.8
Sept.	4	† 162.2	May	4	* 224.2	Aug.	22	* 207.1
Sept.	29	† 161.3	June	9	* 224.2	Dec.	19	163.8
Oct.	6	† 161.2	July	1	163.0	Mar.	8, 1967	161.0
Dec.	7	165.5						

(C-10-1)15cbd-1. Records available 1964-67

May	13, 1964	† -31.8	Oct.	30, 1964	-31.8	May	4, 1965	-32.0
June	10	† 30.1	Nov.	6	† 31.5	June	9	29.9
July	1	† 29.6	Dec.	7	30.4	July	1	29.8
July	23	† 29.8	Jan.	6, 1965	30.7	Oct.	20	30.7
Aug.	18	† 30.6	Feb.	3	31.4	Mar.	25, 1966	32.0
Sept.	8	† 31.3	Mar.	2	32.0	Aug.	29	32.2
Oct.	8	† 32.0	Apr.	7	32.8	Mar.	11, 1967	32.6

(C-10-1)31bdb-1. Records available 1964-66

Mar.	25, 1964	† -221.5	Aug.	19, 1964	† -224.0	Mar.	8, 1965	-224.3
May	14	† 221.8	Sept.	3	† 224.6	June	11	226.3
June	5	† 221.2	Oct.	6	† 231.4	Mar.	30, 1966	227.3
July	2	† 222.6						

(C-10-1)31cdd-1. Records available 1966-67

Mar.	25, 1966	-230.5	Aug.	22, 1966	*-273.3	Mar.	11, 1967	-229.1
Mar.	30	223.2	Dec.	19	231.6	Apr.	5	228.6

(C-10-1)33cbb-1. Records available 1965-67

Mar.	5, 1965	-122.5	Oct.	15, 1965	-122.8	Mar.	25, 1966	-123.3
June	9	122.7	Dec.	30	122.9	Mar.	8, 1967	124.2
July	1	122.8						

(C-11-1)6bdd-1. Records available 1965-67

Mar.	5, 1965	-247.7	Oct.	15, 1965	-267.0	Mar.	11, 1967	-256.2
May	18	250.2	Nov.	3	257.5	Apr.	5	255.8
June	9	* 281.5	Mar.	25, 1966	250.9	Apr.	6	255.9
July	1	* 277.1	Mar.	30	250.7	Apr.	7	255.6

(D-10-1)17cca-1. Records available 1964-67

Aug.	31, 1964	-32.4	Feb.	2, 1965	-32.6	July	1, 1965	-32.4
Oct.	1	32.4	Mar.	2	32.6	Mar.	25, 1966	32.3
Nov.	3	32.5	Apr.	7	32.7	Aug.	22	31.9
Dec.	12	32.5	May	4	32.7	Dec.	19	32.1
Jan.	6, 1965	32.6	June	9	32.6	Mar.	8, 1967	32.2

Table 3.--Drillers' logs of selected wells

Altitudes are in feet above mean sea level for land surface at well; determined by interpolation from topographic maps.
Thickness in feet.
Depth in feet below land surface.

SOUTHERN UTAH VALLEY

Material	Thickness	Depth
(D-7-2)36dcc-4. Log by Eldon Comer. Alt. 4,500 ft.		
Clay, red, and sand	44	44
Clay, blue	45	89
Sand, gray	14	103
Clay and sand, gray	45	148
Sand and gravel; water	22	170
Clay, tan	22	192
Clay, sand, and gravel	6	198
Clay, red	63	261
Sand and gravel; water	7	268
Clay, blue	39	307
Sand, dirty	26	333
Gravel	2	335
Clay, tan	8	343
Sand, gray, fine	8	351
Clay and silt, tan, layers	121	472
Sand and gravel; water	24	496
Sand, clean; water	18	514
Clay and silt, tan	58	572
Sand and gravel; water	12	584
Clay, blue	40	624
Sand, brown	13	637
Clay, gray	37	674
Clay, red	45	719
(D-7-3)28bdb-1. Log by Eldon Comer. Alt. 4,520 ft.		
Clay, fill, and gravel, debris	7	7
Gravel and cobbles; water	5	12
Clay, tan	10	22
Clay, blue	44	66
Gravel and cobbles; water flow 900 gpm	60	126
Clay and gravel, brown, mixed	15	141
Clay, tan	57	198
Clay, gravel and boulders, gray, mixed	70	268
Sand, gravel, and cobbles; water	50	318
Clay and gravel, mixed	8	326
Sand, gravel, and cobbles; water	6	332
Clay and gravel, mixed	6	338
(D-7-3)33ccc-6. Log by C. M. Stephenson. Alt. 4,560 ft.		
Clay and gravel	40	40
Clay, blue	20	60
Clay, sandy	30	90
Clay, blue	38	128
Gravel	2	130
Clay and gravel, streaks	15	145
Clay, brown, and gravel	25	170
Gravel	3	173
Gravel and clay	27	200
Clay, brown, and sand stringers	20	220
Conglomerate and clay	55	275
Clay and gravel stringers	23	298
Conglomerate	77	375
Clay and gravel	15	390
Clay, gray, and small gravel stringers	32	422
Clay, gray, tight	15	437
Conglomerate	18	455
Clay, brown	10	465
Conglomerate	18	483
Clay, brown	3	486
Conglomerate	9	495
Gravel, cemented	3	498
Clay, brown	6	504
Conglomerate	21	525
Clay and gravel	10	535
(D-8-1)14dad-1. Log by Hershel Woodhouse. Alt. 4,492 ft.		
Topsoil	2	2
Sand; water	2	4
Sand, red	28	32
Clay, blue	7	39
Clay, red	28	67
Clay and sand, brown	35	102
Sand, gray	13	115
Clay, blue	36	151
Clay, white	1	152
Sand; water	2	154
Clay, blue, and sand	16	170
Clay, red	32	202
Clay, blue	15	217
Sand, red	38	255
Clay, white, and gravel	20	275
Sand and gravel; water flow 20 gpm, would not hold	10	285
Clay and sand, red	40	325
Clay, red	23	348
Sand and gravel; water flow 35 gpm	2	350
(D-8-2)32aab-1. Log by R. M. Robinson. Alt. 4,518 ft.		
Soil, black	3	3
Clay	12	15
Sand and gravel; 25 gpm of water	6	21
Clay, sandy	8	29
Clay, black	51	80
Clay, blue	13	93
Sand and gravel	3	96
Clay, white	39	135
Clay, yellow	25	160
Clay, blue	13	173
Sand, black	5	178
Sand, blue, and coarse gravel; flow 25 gpm	16	194
Gravel, black	4	198
Clay, blue	38	236
Gravel	4	240
Sand, quick	10	250
Clay and gravel	6	256
Sand	4	260
Clay, yellow, and gravel	15	275
Clay, yellow	5	280
Clay, blue	38	318
Clay, brown	12	330
Clay, blue	15	345
Clay, brown	15	360
Clay, blue	25	385
Clay, brown	20	405
Clay, blue	21	426
Sand, fine	3	429
Clay, blue	36	465
Sand, coarse, and fine gravel; flows water	7	472
Clay, blue	10	482
Clay, red	42	530
Clay, blue	15	545
Clay, red	40	585
(D-8-3)14acc-1. Log by Lester Binning. Alt. 4,775 ft.		
Clay, red	82	82
Clay and sand	20	102
Sand	87	189
Gravel; water	3	192
Clay and gravel	10	202
Clay and boulders	20	222
Clay and cobbles	20	242
Clay and sand	60	302
Clay and gravel	65	367
Conglomerate	5	372
Sand; small amount of water	40	412
Clay, gravel, and cobbles	95	507
Clay and gravel, ribbed	93	600
Clay and gravel, ribbed; some water	20	620
Gravel; a little water	5	625
Clay and gravel; ribbed	10	635
Clay and gravel	40	675
(D-8-3)27cdc-1. Log by Eldon Comer. Alt. 4,780 ft.		
Gravel and cobbles	18	18
Clay and sand, tan	120	138
Clay and sand, gray	24	162
Sand, cemented	32	194
Clay, sand, and gravel, mixed	17	211
Sand, gravel, and cobbles; water	35	246
Clay, tan, sand and gravel, mixed	41	287
Clay, gravel, and boulders, mixed	19	306
Clay and sand, tan	17	323
Clay, blue, and sand	50	373
Sand, gravel, and cobbles; water	62	435
Clay, gravel, and boulders	16	451
Clay, tannish red	14	465
Clay, gravel, and cobbles, mixed	7	472
Clay, tan	42	514
Sand and gravel	6	520
Clay, tan	20	540
Sand and gravel; water	6	546
Clay, tan, and sand	36	582
Sand, gravel, and cobbles, mixed	7	589
Clay, tan, and sand	8	597
Clay and rock, mixed	43	640
(D-9-1)14aad-1. Log by Eldon Comer. Alt. 4,619 ft.		
Clay, tan	60	60
Clay and gravel; water	10	70
Clay, brown	10	80
Clay and gravel; water	15	95
Clay, white	10	105
Clay, red	20	125
Gravel	20	145
Clay, red	15	160
(D-9-1)14aad-1- Continued		
Gravel	22	182
Clay	4	186
Gravel	21	207
Clay	23	230
Gravel	17	247
Clay, red	13	260
Gravel	8	268
Clay, red	5	273
Gravel	5	278
Clay, red	4	292
Gravel	12	304
Clay, red	11	315
Gravel	10	325
Clay, red	13	338
Gravel	10	348
Clay, red	12	360
(D-9-1)35aba-1. Log by Eldon Comer. Alt. 4,798 ft.		
Soil	2	2
Clay, tan	21	23
Clay, tan, and gravel	22	45
Clay, tan	6	51
Clay, blue	18	69
Clay and gravel	29	98
Clay, tan	8	106
Clay, tan, and gravel	40	146
Sand and gravel; water	41	187
Clay, tan, and gravel	23	210
Sand and gravel; water	58	268
Clay, tan, and hardpan	28	296
Gravel; water	9	305
Clay, tan, and gravel	19	324
Sand and gravel; water	12	336
Clay and gravel	22	358
Sand and gravel; water	24	382
Clay and gravel	38	420
Sand and gravel; water	11	431
Clay and gravel	4	435
(D-9-2)1bcb-1. Log by D. V. Robinson. Alt. 4,580 ft.		
Clay and silt	4	4
Sand; making water	24	28
Clay, blue, and sand	17	45
Clay, blue	157	202
Gravel	38	240
Clay, yellow, and gravel	7	247
No record	13	260
Clay, blue	5	265
Conglomerate	13	278
Clay, blue	84	362
Conglomerate	68	430
Clay, yellow, and gravel	33	463
Clay, blue, and gravel	29	492
Clay, blue, and sand	10	502
Clay and gravel	16	518
Sand and gravel	9	527
Clay and gravel	3	530
Sand and gravel	3	533
Clay and gravel	4	537
Gravel	41	578
Clay, blue	14	592
Gravel	8	600
Clay and gravel	5	605
Conglomerate	12	617
Clay, blue	5	622
No record	10	632
Clay, blue	15	647
Clay and gravel	42	689
Conglomerate	10	699
Sand and gravel	10	709
Clay, blue	5	714
Sand and gravel	8	722
Clay, blue	33	755
(D-9-2)10cad-3. Log by Hershel Woodhouse. Alt. 4,582 ft.		
Topsoil	3	3
Clay, brown	18	21
Sand, gray	14	35
Gravel, blue	32	67
Clay	38	105
Clay, brown	10	115
Clay, brown, and gravel	155	270
Lime formation	21	291
Clay	18	309
Clay, brown, and gravel	136	445
Lime hardpan	15	460
Clay and gravel, clay with intervening ribs	110	570

Table 3.--Drillers' logs of selected wells - Continued

SOUTHERN UTAH VALLEY - Continued

Material	Thickness	Depth
(D-9-3)5bbd-1. Log by Eldon Comer. Alt. 4,685 ft.		
Topsoil	3	3
Gravel and cobbles	12	15
Sand and gravel	18	33
Clay, blue, and sand	227	260
Clay, gravel, and hardpan	30	290
Sand, gravel, and cobbles; water	50	340
Clay, tan	8	348
Clay and gravel, cemented	4	352
Clay, yellow	49	401
Clay, blue	32	433
Clay, yellow, and sand	64	497
Clay and gravel, mixed	3	500
Sand, gravel, and cobbles	12	512
Sand, gravel, and cobbles, good	77	589
Clay, tan	31	620
(D-10-1)1acd-2. Log by D. V. Robinson. Alt. 4,920 ft.		
Topsoil	3	3
(D-10-1)1acd-2 - Continued		
Clay, yellow	8	11
Clay and gravel	4	15
Gravel	38	53
Boulders	25	78
Gravel	20	98
Clay and gravel	38	136
Gravel	24	160
Clay and boulders	8	168
Sand and gravel	7	175
Gravel	18	193
Clay and gravel	7	200
Gravel	23	223
Clay and gravel	258	481
Gravel and boulders	50	531
Gravel	24	555
Clay and gravel	4	559
Gravel	30	589
Conglomerate	17	606
Clay and gravel	6	612
Conglomerate	65	677
(D-10-1)11bbd-1. Log by Eldon Comer. Alt. 5,020 ft.		
Soil	5	5
Clay, tan	3	8
Gravel	34	42
Clay, blue, and sand	14	56
Hardpan	24	80
Clay, tan, and gravel	62	142
Sand and gravel	15	157
Clay, red	11	168
Clay and gravel	46	214
Clay, red	12	226
Clay and gravel	12	238
Clay, tan	4	242
Clay and gravel	26	268
Clay, gravel, and boulders	32	300
Boulders and conglomerate	32	332
Clay, sand, and gravel; water	93	425
Sand and boulders	33	458
Clay and boulders	12	470
Sand rock, gray	30	500

GOSHEN VALLEY

Material	Thickness	Depth
(C-8-1)16cbb-1. Log by J. T. Woodhouse and Sons. Alt. 4,545 ft.		
Topsoil	3	3
Clay, white	2	5
Clay, brown	20	25
Clay, white	25	50
Clay, brown, rocks	8	58
Sand, fine; water	2	60
Clay, brown, and rock	60	120
Clay, light red, tough	80	200
Clay, white	35	235
Clay, brown, and rock	65	300
Sandstone, solid rock	45	345
Shale, white, red and gray with intervening solid limestone ribs	47	392
(C-9-1)4ddc-1. Log by D. V. Robinson. Alt. 4,570 ft.		
Clay, yellow	33	33
Clay and sand	47	80
Gravel; water at 86 feet	10	90
Sand	22	112
Clay and sand	78	190
Clay and gravel	35	225
Clay, red	10	235
Clay and gravel	5	240
Gravel	5	245
Clay and gravel	110	355
Hardpan	5	360
Clay and gravel	120	480
Clay and sand	12	492
Clay, yellow, and gravel	78	570
Clay, sand, and gravel	15	585
Clay and gravel	23	608
Sand and gravel	82	690
(C-10-1)4cbb-1. Log by Lane Texas Co. Alt. 4,680 ft.		
Clay, sandy	23	23
Clay, hard, sandy, and gravel	39	62
Gravel, sand, and clay	28	90
Gravel, large	24	114
Gravel and sand	30	144
Boulders, hard, and gravel	22	166
Gravel and sand	88	254
Gravel and clay breaks	30	284
Clay, hard, and gravel	10	294
Shale and hard gravel	8	302
Shale, hard	8	310
Shale, sandy, and gravel	30	340
Sand, hard, and gravel	25	365
Gravel, fine, and sand breaks	44	409
Gravel and sand breaks	10	419
Gravel, hard, and few sand breaks	32	451
Gravel, fine, with hard layers, few sand breaks	78	529
Shale, hard, sandy, and pyrite	50	579
Gravel, fine, and sand	106	685
Clay, sand, and gravel	23	708
Sand, coarse, and small gravel	49	757
Clay	2	759
(C-10-1)4cbb-1 - Continued		
Sand, coarse, small gravel, some pyrite	38	797
Clay, sandy	5	802
Sand, coarse, and small gravel	27	829
Sand	1	830
Clay and some gravel	40	870
Clay breaks, sand, and gravel	18	888
Clay, hard, red	32	920
Gravel, sand, and clay	5	925
Clay, hard, and little gravel	69	994
Rock, red and black, streaks of sand and gravel	37	1,031
Clay, hard, red and green	10	1,041
Clay and sandy clay	20	1,061
Clay, sticky	15	1,076
Clay, hard, and some gravel	66	1,142
Clay streaks, sandy clay and small gravel	26	1,168
Clay, hard	3	1,171
Clay, sandy	6	1,177
Clay, hard	7	1,184
Clay, sandy	3	1,187
Gravel, thin layers of hard rock	13	1,200
Shale, hard, red, some green shale	18	1,218
(C-10-1)29cdd-1. Log by C. M. Stephenson to 574 ft. and by Eldon Comer 575 to 862 ft. Alt. 4,680 ft.		
Topsoil	35	35
Clay, gray	5	40
Gravel, small	25	65
Sand, silt	15	80
Clay, gray	5	85
Silt, sand, and gravel	25	110
Clay, brown	10	120
Clay, gravel	52	172
Sand, small gravel; water	13	185
Gravel, big	3	188
Clay, brown, gravel streaks	12	200
Volcanic material, streaks of conglomerate and clay	50	250
Volcanic streaks of sand and clay	50	300
Sand, gravel	15	315
Volcanic gravel, streaks of clay and sand	46	361
Gravel, large, good	4	365
Volcanic material, streaks of clay, hardpan, and conglomerate	95	460
Conglomerate	15	475
Clay, streaks, gravel, large	42	517
Clay, streaks, conglomerate	28	545
Volcanic material	21	566
Clay streaks, volcanic material	8	574
Not logged	1	575
Clay, sand, and gravel	20	595
Sand and gravel; water	7	602
Clay and gravel, mixed	44	646
Clay, sand, and gravel streaks; water	39	685
Clay, tan	11	696
(C-10-1)29cdd-1 - Continued		
Sand and gravel; water	2	698
Clay, tan	30	728
Sand and gravel; water	3	731
Clay and gravel, mixed	29	760
Sand and gravel; water	2	762
Clay, brown	8	770
Clay, sand, and gravel streaks; water	9	779
Clay and gravel streaks; water	23	802
Sand and gravel, good	13	815
Clay and gravel streaks	47	862
(C-10-1)33cbb-1. Log by Scott Stephenson. Alt. 4,680 ft.		
Surface	40	40
Clay, gray	80	120
Clay, brown	25	145
Gravel; surface water at 145 ft.	15	160
Clay, silt, and sand	10	170
Clay and gravel	10	180
Gravel, good	17	197
Clay and gravel	15	212
Gravel	98	310
Clay	3	313
Clay and gravel in layers	53	366
Clay, silt, and gravel	94	460
Clay	35	495
Clay and gravel in layers, cemented	9	504
Clay, brown, and small gravel	14	518
Clay, gray, and small gravel	14	532
Gravel, good	8	540
Clay, brown	18	558
Clay and gravel, good	7	565
Clay	2	567
(C-11-1)6bdd-1. Log by Eldon Comer. Alt. 4,780 ft.		
Clay, sand, and gravel	23	23
Gravel and boulders	19	42
Clay, tan	6	48
Clay, gravel, and boulders	17	65
Clay and gravel, dirty	188	253
Sand and gravel, dirty	25	278
Sand, gravel, and cobbles; water	26	304
Clay, sand, and gravel, layered	20	324
Sand, gravel, and cobbles; water	62	386
Sand, gravel, and clay, tan, streaks	36	422
Sand and gravel; water	78	500
Clay, tan, sticky	7	507
Clay and gravel streaks	26	533
Sand and gravel; water	8	541
Clay, tan, sticky	15	556
Sand and gravel; water, good	21	577
Clay and gravel	7	584
Sand and gravel; water	75	659
Clay and gravel streaks	13	672
Sand, gravel and boulders; water good	68	740
Clay, sand and gravel, mudstone streaks	35	775

Table 4.--Pumpage from selected wells, 1963-66

Pumpage: Measured unless indicated by e, estimated, or r, reported
Main use of water: I, irrigation; N, industry; P, public supply.

Well No.	Pumpage, in acre-feet				Main use of water
	1963	1964	1965	1966	
SOUTHERN UTAH VALLEY					
(D-7-3)					
33ccb-9	-	55.4	56e	Destroyed	I
34bcb-1	0r	0r	0r	0r	P
34cdb-1	1.5	0r	0r	.34	P
(D-8-1)					
35cac-2	-	.9	0	.14	I
(D-8-2)					
25daa-2, 25dab-2, 25dac-3	260r	100e	100e	100e	N
32daa-1	-	6	7.5	9e	I
(D-8-3)					
2dcd-1	143	65	0	253	I
3dcd-1	188	107	0	388	I
4daa-1	125	0	0r	180	P
10cba-1	49	30.3	30	30e	I
11ccc-1	0	6.6	0r	47e	P
14acc-1	-	-	8	16	I
22cac-1	-	100e	67e	118e	I
23ccd-1	-	30e	30e	30e	I
26ccb-1	20e	18e	18e	18e	N
27cdc-1	531	97.3	0	391	I
28abc-1	24	16	10e	47e	I
28bcd-1	0r	54e	0r	1/493e	P
28bdc-1	70	24.2	55	41.5	I
28ddb-1	-	20e	20e	20e	N
34aca-1	0	1e	1e	1e	N
(D-9-1)					
14aad-1	412	72	38e	173	I
14ada-2	567	124	184	194	I
23ada-1	655	113	163	142	I
26aab-1	586	178	144	162	I
26daa-1	712	239	0	600	I
35aba-1, 36bbc-1	1,122	674	1,096	2,040	I
35bcd-2	-	4.3	8e	0	I
36cdd-1	165	172	115	185	I
(D-9-2)					
9bac-1	307	309	253	813	I
12ccb-1	5.3r	6.1r	30r	32r	P
16bbb-1	136	.5	0	2/554r	P
17daa-1	447	760	68r	224r	P
20bbc-2	2,270	1,325	596	1,673	I
20ccc-1	80e	17.8	179e	14.6	P
29cda-1	0	2.8	0r	0r	P
31cda-2	-	.3e	.3e	.3e	N
31cdb-1	90e	2.2e	2e	2e	N
32bac-1	90.5	25.2	26	39	I
(D-9-3)					
5bbd-1	572	319	300	503	I
(D-10-1)					
1acd-1	50.5	33	Destroyed	-	I
1cbb-1	.4	72.5	7e	120e	P
2adb-1	740	518	518	786	I
2bba-1	18	44.7	0	-	P
GOSHEN VALLEY					
(C-9-1)					
3ddb-1	-	19.6	605	2,670	I
4ddc-1	-	595	1,502	1,280	I
20dcc-1	-	493	531	810	I
20ddd-1	-	0	13.5	115	I
28ccb-1	762	1,002	1,122	1,830	I
29acc-1	1,140	1,108	852	968	I
29bcc-1	-	46.7	53	83.2	I
(C-10-1)					
4bbb-1	1,490	683	1,877	2,123	I
4cbb-1	970	1,537	1,992	1,910	I
9ccc-1	880	687	615	873	I
17aaa-1	16.5	11.9	20	19.4	P
(C-10-1)					
25aab-1	1,190	128	620	149	I
29cdd-1	141	143	256	245	I
29ddd-1	365	348	149	535	I
31add-1	1,340	761	726	1,510	I
32ccc-1	1,700	770	604	1,748	I
(C-11-1)					
6abc-1	850	440	893	973	I
6bdd-1	-	266	1,006	963	I
(D-9-1)					
27aca-1, 27aca-2	90r	31r	30e	186e	N

1/ Includes a reported 482 acre-feet of water for irrigation.
2/ Includes a reported 290 acre-feet of water for irrigation.

Table 5.--Chemical analyses of water from selected wells

Date of collection: R, date received by laboratory.
Sodium: Where no value is shown for potassium, sodium and potassium are calculated and reported as sodium.
Sulfate: In the analyses by the U.S. Bureau of Reclamation, the sulfate value is calculated; those by the Utah State Department of Health and the U.S. Geological Survey are determined.
Dissolved solids: In the analyses by the U.S. Geological Survey, values greater than 1,000 ppm are calculated from determined constituents, those less than 1,000 ppm are residue on evaporation at 180°C; in the analyses by the Utah State Department of Health and by the U.S. Bureau of Reclamation, values are residue on evaporation at 110°C and 105°C, respectively.
Agency making analysis: BR, U.S. Bureau of Reclamation; DH, Utah State Department of Health; GS, U.S. Geological Survey.

Well No.	Date of collection	Temperature (°F)	Parts per million: Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH	Agency making analysis
SOUTHERN UTAH VALLEY																						
(D-7-2)																						
34dcd-1	5-13-64	56	-	46	30	73	5.9	376	16	5.3	43	-	-	-	413	236	0	39	2.1	707	8.5	BR
	6-22-65	57	-	16	29	75	5.5	264	24	11	44	-	-	-	323	160	0	50	3.1	573	8.6	BR
35ccd-2	5-12-64	61	-	50	17	18	4.7	268	0	7.2	9.9	-	-	-	258	196	0	16	.6	436	8.1	BR
36dcc-3	5-11-64	56	-	48	23	63	6.6	332	14	4.3	44	-	-	-	383	216	0	38	1.8	640	8.5	BR
(D-7-3)																						
19aab-1	10-10-62	-	-	36	11	43	2.3	217	16	2.9	18	-	-	0.18	238	136	137	40	1.6	428	8.5	BR
19aac-1	10-10-62	-	-	36	12	40	2.7	226	12	1	19	-	-	.25	250	141	0	38	1.5	440	8.5	BR
20acb-1	5-19-64	60	-	54	16	35	3.1	267	4.2	19	24	-	-	-	310	200	0	27	1.1	534	8.4	BR
	6-21-65	60	-	21	17	38	3.5	171	8	19	27	-	-	-	228	123	0	40	1.5	425	8.6	BR
20bcd-1	6-10-64	61	3.4	46	11	38	3.1	273	0	3.4	15	-	-	-	253	162	0	32	1.3	476	8.0	BR
20bda-1	6-10-64	72	-	3.0	.2	39	2.0	73	2.7	15	12	-	-	-	115	8.5	0	88	5.7	203	9.6	BR
	6-21-65	72	-	36	10	50	3.5	237	4	26	12	-	-	-	259	132	0	45	1.9	431	8.6	BR
20bdb-1	6-10-64	60	-	32	12	51	3.5	210	15	28	13	-	-	-	266	130	0	45	2.0	445	8.5	BR
	4-20-66	57	-	46	11	52	3.1	322	0	0	13	-	-	-	314	160	0	41	1.8	528	8.0	BR
28bdb-1	6-21-63	63	14	188	63	69		258	0	537	78	-	0.6	-	1/1,080	730	518	17	1.1	1,490	7.5	GS
	6-24-63	-	-	133	63	60	7	78	0	523	86	-	-	-	1,055	590	526	18	1.1	1,337	8.0	BR
	5-11-64	64	-	191	68	60	5.1	234	0	562	82	-	-	-	1,140	756	564	14	.9	1,470	8.0	BR
30cdd-1	5-11-64	54	-	57	19	27	2.7	274	12	12	19	-	-	-	273	220	0	20	.8	507	8.5	BR
32bcc-1	2-11-59	62	15	43	15	24		246	0	3.1	10	-	1.6	-	233	168	0	24	.8	403	8.2	GS
	4-21-60	63	14	44	15	24		249	0	3.5	9.5	-	1.5	-	234	170	0	24	.8	397	7.7	GS
	9-15-60	63	15	44	13	24	1.6	245	0	4.5	12	0.2	1.2	.05	224	165	0	24	.8	387	8.0	GS
	5-26-61	63	-	46	14	22		243	0	2.1	11	-	1.7	-	224	171	0	22	.7	396	8.0	GS
32ccb-1	5-11-64	54	-	50	21	28	2.3	254	3	33	20	-	-	-	260	212	4	22	.8	491	8.3	BR
	6-21-65	56	-	28	23	29	2.3	204	5	28	20	-	-	-	216	165	0	28	1.0	422	8.3	BR
33baa-6	2-11-59	54	11	71	22	15		286	0	43	13	-	2.4	-	318	267	32	11	.4	542	7.8	GS
	4-21-60	54	10	69	22	15		281	0	45	14	-	.9	-	314	265	35	11	.4	533	8.1	GS
	9-15-60	54	9.8	69	20	15	1.1	264	3	46	14	.2	2.8	.03	305	256	35	11	.4	505	8.3	GS
	5-26-61	54	-	74	21	12		278	0	45	14	-	1.3	-	306	269	41	9	.3	528	7.7	GS
33bab-3	5-13-64	59	-	63	24	27	2.3	218	0	97	14	-	-	-	342	257	78	18	.7	566	8.2	BR
	6-21-65	58	-	29	23	28	2.3	127	3	78	27	-	-	-	258	165	61	27	1.0	448	8.3	BR
33ccb-9	6- 3-63	-	-	74	24	36	2.7	255	5	93	36	-	-	0	432	284	75	21	.9	664	8.1	BR
	8-26-63	-	-	33	24	37	2.3	138	0	97	37	-	-	0	353	183	70	30	1.2	528	8.1	BR
	5-12-64	54	-	41	22	24	1.6	178	2.4	67	22	-	-	-	262	195	49	21	.8	450	8.3	BR
34bcb-1	12- -61R	-	8.0	57	17	5.1	1.2	230	1.6	14	9.0	.1	.1	0	2/230	210	19	5	.2	395	8.1	DH
34cdb-1	10-14-60R	-	11	72	23	17	5.2	271	1.1	55	26	.1	1.3	0	3/422	276	52	12	.4	587	7.8	DH
(D-8-1)																						
11cbd-1	5-19-64	62	-	56	17	48	16	128	5.4	48	122	-	-	-	435	211	106	-	1.4	676	8.4	BR
	6-25-65	61	-	49	20	48	15	151	0	36	121	-	-	-	424	208	84	32	1.5	669	8.2	BR
13add-1	5-19-64	62	-	34	25	15	8.6	196	9.3	40	11	-	-	-	288	189	28	-	.5	415	8.5	BR
13daa-3	5-18-64	66	-	40	22	18	11	181	9.0	51	17	-	-	-	313	189	41	-	.6	431	8.6	BR
	6-25-65	66	-	20	23	19	10	154	5	40	16	-	-	-	268	146	20	20	.7	375	8.4	BR
25aba-1	5-27-64	55	36	30	19	36		230	0	14	20	-	.7	-	258	154	0	34	1.3	410	7.9	GS
	6-10-64	55	-	32	20	28	4.3	193	16	22	-	-	-	-	256	163	5	26	1.0	415	8.8	BR
	7-29-65	54	-	18	18	22	3.9	160	6	18	8.2	-	-	-	199	119	0	28	.9	319	8.5	BR
(D-8-2)																						
1baa-1	5-18-64	57	-	51	23	69	5.9	334	6	35	42	-	-	-	383	221	0	40	2.0	672	8.3	BR
2abd-1	7-19-65	62	-	18	20	18	3.5	145	10	21	11	-	-	-	183	129	10	23	.7	308	8.5	BR
2caa-1	7-19-65	64	-	19	20	17	3.9	156	7	9.1	15	-	-	-	181	128	0	21	.6	307	8.5	BR
2cbc-1	5-13-64	59	-	44	19	17	3.9	224	3	27	8.5	-	-	-	237	187	4	16	.5	413	8.3	BR
	6-23-65	58	-	14	20	19	4.3	156	5	15	8.9	-	-	-	185	119	0	25	.8	299	8.5	BR
2daa-1	8- 6-64	61	25	51	21	22		276	0	17	12	-	.2	-	275	213	0	18	.6	454	7.7	GS
3adb-1	7-19-65	-	-	20	15	39	2.0	191	9	11	10	-	-	-	205	111	0	43	1.6	348	8.6	BR
3adc-1	7-19-65	57	-	28	31	75	5.1	320	9	27	42	-	-	-	367	196	0	45	2.3	624	8.3	BR
3ccd-1	7-19-65	60	-	17	18	23	5.5	154	14	13	8.2	-	-	-	195	118	0	29	.9	310	8.5	BR
4abc-1	5-12-64	56	-	30	30	69	3.5	343	0	28	29	-	-	-	341	198	0	42	2.1	616	8.0	BR
	6-23-65	57	-	17	30	70	3.9	264	24	21	30	-	-	-	321	163	0	48	2.4	559	8.6	BR
	4-19-66	56	-	27	28	69	3.9	334	15	0	29	-	-	-	351	184	0	44	2.2	595	8.5	BR
4bcc-1	5-12-64	62	-	24	10	51	3.5	215	8	14	9.2	-	-	-	240	102	0	50	2.2	396	8.4	BR
	7-19-65	62	-	23	11	52	3.5	187	24	11	9.9	-	-	-	251	102	0	52	2.2	385	8.7	BR
	4-20-66	62	-	20	11	50	3.1	246	0	0	8.5	-	-	-	246	96	0	52	2.2	381	8.0	BR
4cdc-4	7-19-65	55	-	30	28	71	6.6	294	24	19	38	-	-	-	375	191	0	44	2.2	604	8.6	BR
4dad-1	5-19-64	64	-	31	13	37	3.9	204	13	15	7.8	-	-	-	220	131	0	36	1.4	371	8.6	BR
	8-19-64	64	34	29	12	41		234	0	2.5	12	-	.3	-	230	122	0	42	1.6	354	8.1	GS
5acd-1	7-19-65	62	-	17	14	64	3.5	228	18	12	11	-	-	-	274	102	0	57	2.8	436	8.7	BR
7bcc-1	6-10-64	62	-	35	28	27	9.4	200	19	51	16	-	-	-	316	200	36	22	.8	480	8.8	BR
7bda-1	7-20-65	59	-	27	18	32	6.3	186	18	17	14	-	-	-	248	142	0	32	1.2	390	8.7	BR
7dbc-1	10-10-62	-	-	28	29	25	9.0	212	12	31	20	-	-	.07	300	190	16	21	.8	483	8.4	BR
7dda-1	6- 3-64	61	-	26	24	19	5.9	184	9	26	13	-	-	-	247	163	12	20	.6	391	8.5	BR

Table 5.--Chemical analyses of water from selected wells - Continued

Well No.	Date of collection	Temperature (°F)	Parts per million: Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH	Agency making analysis
SOUTHERN UTAH VALLEY - Continued																						
(D-8-2)																						
8aaa-1	10-10-62	-	-	28	30	70	7.4	326	29	0	37	-	-	0.18	355	196	0	42	2.2	641	8.7	BR
8bba-1	10-10-62	-	-	24	19	27	4.7	203	11	2.9	12	-	-	0	209	139	0	29	1.0	390	8.6	BR
8bbb-2	5-19-64	64	-	34	21	23	7.0	220	5	20	14	-	-	-	249	170	0	22	.8	414	8.5	BR
8dcc-1	5-19-64	60	-	35	21	21	6.3	223	0	23	14	-	-	-	254	173	0	20	.7	414	8.0	BR
8ddd-2	7-20-65	58	-	29	32	80	8.2	310	32	35	30	-	-	-	406	203	0	45	2.4	650	8.9	BR
9bab-1	5-19-64	55	-	40	28	68	6.3	338	14	15	38	-	-	-	382	213	0	40	2.0	646	8.6	BR
	6-25-65	56	-	34	32	71	5.9	290	38	19	39	-	-	-	384	215	0	41	2.1	647	8.7	BR
10abd-2	7-19-65	60	-	15	20	18	4.7	138	10	19	9.9	-	-	-	185	119	6	24	.7	294	8.6	BR
11aaa-1	6-22-65	56	-	15	26	73	6.6	205	24	33	48	-	-	-	319	144	0	51	2.6	573	8.6	BR
11cca-3	6-11-64	61	-	36	20	18	3.5	228	0	15	11	-	-	-	219	174	0	18	.6	401	8.2	BR
12bdc-1	5-13-64	53	-	46	28	72	7.8	318	7	52	49	-	-	-	404	229	0	39	2.1	697	8.3	BR
12ddc-1	5- 3-65	54	12	30	27	75		320	0	7.0	54	-	4.4	-	356	186	0	47	2.4	630	7.7	GS
12ddc-2	5-18-64	59	-	38	25	13	2.7	214	2	36	9.9	-	-	-	235	197	22	12	.4	406	8.4	BR
	8-25-64	59	25	53	24	11		261	9	22	10	-	.6	-	287	230	1	9	.3	462	8.4	GS
13abc-1	5-13-64	57	-	49	25	12	2.3	220	4	40	17	-	-	-	266	224	44	10	.9	448	8.3	BR
13bdd-1	5-20-64	61	-	46	23	12	2.0	221	1	24	18	-	-	-	261	207	26	12	.4	433	8.3	BR
13bdd-1	6-22-65	64	-	20	25	13	7.0	140	7	31	16	-	-	-	208	151	36	16	.5	337	8.4	BR
14bcd-1	7-20-65	63	-	20	20	17	3.1	150	12	15	11	-	-	-	192	134	11	21	.6	315	8.7	BR
14dcc-1	5-19-64	59	-	53	21	14	2.3	253	2	24	11	-	-	-	263	219	12	12	.4	447	8.3	BR
	7- 9-65	60	-	50	22	15	2.0	262	0	20	9.9	-	-	-	264	215	0	13	.4	434	7.9	BR
15ddb-1	5-19-64	62	-	40	14	30	2.7	227	8	12	9.9	-	-	-	243	158	0	28	.8	393	8.5	BR
	4-19-66	62	-	37	14	29	2.3	256	0	0	9.9	-	-	-	239	152	0	29	1.0	404	7.8	BR
16bcb-1	5-19-64	62	-	31	23	26	7.0	223	9	21	12	-	-	-	254	171	0	24	.9	412	8.6	BR
16bcc-4	7-20-65	59	-	34	28	68	11	312	27	27	26	-	-	-	381	199	0	41	2.1	605	8.8	BR
16ccd-1	5-19-64	67	-	36	22	34	15	198	8	48	36	-	-	-	345	182	20	27	1.1	516	8.6	BR
	7- 9-65	68	-	29	24	35	15	188	6	51	33	-	-	-	331	169	15	29	1.2	480	8.3	BR
16dbb-2	5-19-64	55	-	55	21	69	7.4	356	20	7	35	-	-	-	403	222	0	39	2.0	669	8.7	BR
	6-25-65	55	-	15	23	71	7.0	237	24	13	35	-	-	-	336	134	0	52	2.7	536	8.7	BR
	4-19-66	55	-	48	24	71	7.8	390	0	11	37	-	-	-	418	219	0	40	2.1	651	7.5	BR
17add-3	10-10-62	-	-	31	24	37	10	210	18	29	26	-	-	.03	322	175	3	30	1.5	506	8.5	BR
17ccc-2	5-19-64	64	-	37	21	22	7.0	234	0	26	12	-	-	-	278	178	0	21	.7	429	8.2	BR
17dcc-1	6- 3-64	64	-	35	21	29	7.4	211	12	33	13	-	-	-	278	173	0	26	.9	434	8.4	BR
19bba-1	7-20-65	57	-	36	24	18	6.6	231	4	22	12	-	-	-	275	187	0	17	.6	418	8.4	BR
20ddc-1	5-26-64	57	-	46	23	19	9.0	260	0	29	15	-	-	-	297	212	0	16	.6	466	8.2	BR
	6-25-65	56	-	50	23	27	14	160	14	95	29	-	-	-	381	219	88	20	.8	581	8.5	BR
20ddd-2	5-26-64	65	-	39	11	38	8.6	206	13	28	11	-	-	-	286	142	0	35	1.4	434	8.6	BR
	6-25-65	67	-	18	16	39	8.2	154	9	44	12	-	-	-	264	109	0	42	1.2	361	8.5	BR
21aaa-1	7-20-65	62	-	17	18	29	3.5	168	6	16	9.6	-	-	-	187	110	0	36	1.2	306	8.5	BR
21dcd-1	5-19-64	62	-	38	14	28	4.3	209	9	16	9.6	-	-	-	203	150	0	28	1.0	378	8.6	BR
21ddd-1	5-18-64	62	-	37	15	28	3.5	218	5	15	9.9	-	-	-	216	153	0	28	1.0	383	8.4	BR
	6-24-65	61	-	15	16	29	3.5	156	7	17	9.2	-	-	-	189	104	0	36	1.2	287	8.6	BR
22bdc-2	7-20-65	65	-	40	16	25	3.5	232	0	18	9.9	-	-	-	238	165	0	24	.8	395	8.2	BR
23dbd-2	5-18-64	63	-	44	22	13	2.0	223	3	27	11	-	-	-	239	200	17	12	.4	409	8.3	BR
23dca-2	5-27-64	62	25	46	20	25		266	0	16	14	-	.1	-	265	200	0	21	.8	435	7.8	GS
24bdc-2	5-20-64	63	-	46	19	12	1.6	228	0	24	8	-	-	-	202	194	7	12	.4	400	8.2	BR
	4-19-66	57	-	56	23	12	2.0	286	0	13	9.6	-	-	-	285	233	0	9.9	.3	478	7.5	BR
25dab-2	3-21-67	77	23	60	26	22		312	0	22	16	-	.0	-	311	254	0	16	.6	535	7.3	GS
25dac-3	9-14-64	62	24	51	25	8.2		274	0	1.6	13	-	.3	-	282	227	2	7	.2	452	8.1	GS
26abb-3	5-19-64	55	-	46	20	12	2.3	233	0	24	9.2	-	-	-	216	199	8	12	.4	411	8.2	BR
	6-23-65	58	-	42	25	14	2.0	248	0	17	12	-	-	-	268	207	4	12	.4	445	8.0	BR
26bab-3	7-20-65	60	-	49	20	14	2.3	249	0	20	11	-	-	-	253	206	2	13	.4	435	8.0	BR
27acd-1	6-10-64	52	-	39	24	60	6.3	298	17	9.1	40	-	-	-	345	197	0	39	1.9	594	8.3	BR
28bad-2	6-10-64	69	-	21	16	44	1.3	210	13	9.1	18	-	-	-	285	119	0	42	1.8	420	8.6	BR
28ccc-1	5-28-64	93	85	35	14	83		196	0	43	84	-	.1	-	441	144	0	56	3.0	625	7.7	GS
	6-16-66	91	77	42	16	65	2.4	201	0	48	79	0.6	2.8	.08	4/451	168	3	42	2.2	668	8.0	GS
29add-1	5- 3-65	57	49	54	25	17		262	6	33	12	-	.0	-	320	238	13	14	.5	506	8.3	GS
29bcd-2	5-19-64	55	-	52	20	13	7.0	231	0	33	20	-	-	-	264	214	22	11	.4	468	8.2	BR
29ccc-2	7-21-65	55	-	23	21	13	6.3	119	6	36	27	-	-	-	240	146	48	16	.5	350	8.6	BR
30daa-1	5- 3-65	55	50	53	20	18		248	0	33	12	-	.0	-	302	216	13	15	.5	455	8.0	GS
31cdb-2	8- 4-64	66	63	34	17	40		230	0	29	15	-	.1	-	300	153	0	36	1.4	428	7.7	GS
	7-21-65	-	-	19	18	30	10	154	9	41	12	-	-	-	257	121	0	33	1.2	361	8.7	BR
33bdc-1	5- 3-65	63	62	30	17	59		302	0	7.4	12	-	.1	-	331	144	0	47	2.1	485	8.0	GS
34acd-1	7-21-65	56	-	43	41	40	24	362	41	1.9	19	-	-	-	404	277	0	22	1.0	657	8.8	BR
34dda-1	5- 3-65	56	26	55	31	36		374	0	3.9	19	-	6.6	-	356	264	0	23	1.0	613	7.9	GS
35abc-3	7-21-65	58	-	17	38	39	6.6	217	19	49	23	-	-	-	304	200	22	29	1.2	516	8.8	BR
36dcb-2	7-21-65	58	-	27	40	58	13	279	21	72	27	-	-	-	356	234	5	34	1.6	648	8.8	BR
(D-8-3)																						
2dcd-1	7-15-64	50	-	47	17	8.3	1.2	181	0	48	5.7	-	-	-	201	187	39	9	.3	374	8.0	BR
4caa-2	5-13-64	55	-	56	24	24	2.7	223	0	79	21	-	-	-	335	239	56	18	.7	552	8.4	BR
4cad-1	5-27-64	58	21	75	26	47		292	0	102	38	-	.3	-	443	296	57	26	1.2	683	7.6	GS
	6-11-64	58	-	50	23	39	3.1	181	0	108	33	-	-	-	355	218	70	28	1.2	567	8.1	BR
4daa-1	4-27-61	-	15	70	26	37	4.5	227	2	115	41	.30	.6	.09	5/423	282	96	22	.9	699	8.1	DH

Table 5.--Chemical analyses of water from selected wells - Continued

Well No.	Date of collection	Temperature (°F)	Parts per million															Percent sodium	Sodium-adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH	Agency making analysis
			Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$					
SOUTHERN UTAH VALLEY - Continued																						
(D-8-3)																						
5cda-3	5-12-64	59	-	52	22	26	3.1	238	0	56	19	-	-	-	301	219	24	20	0.8	503	8.2	BR
7aad-1	5-18-64	56	-	55	21	44	5.5	323	11	98	16	-	-	-	303	222	0	30	1.3	562	8.4	BR
	6-23-65	57	-	32	22	44	5.5	264	10	16	16	-	-	-	293	171	0	35	1.5	475	8.5	BR
7cdc-1	6-23-65	56	-	58	27	68	9.4	339	11	49	50	-	-	-	415	258	0	35	1.8	744	8.4	BR
7cdd-2	6-23-65	56	-	5[illegible]	27	70	8.6	348	10	41	48	-	-	-	399	248	0	36	1.9	732	8.4	BR
8ddb-1	6-17-64	58	-	50	22	32	4.4	287	20	7.7	10	-	-	-	295	216	0	24	.9	502	8.7	BR
9ada-1	6-17-64	58	-	24	21	67	4.7	298	14	8.6	17	-	-	-	303	149	0	49	2.4	539	8.6	BR
10cba-1	5-24-61	-	-	68	23	57	4.5	-	-	.5	21	-	-	-	6/388	264	0	32	1.5	699	-	DH
11ccc-1	6- 8-61	-	20	15	20	95	21	381	27	8	12	-	0.4	0.29	7/452	119	0	63	3.8	668	8.1	DH
18bdc-1	5-18-64	61	-	48	25	11	2.3	234	5	28	16	-	-	-	239	223	31	10	.3	446	8.4	BR
20bab-1	8-13-64	60	-	55	21	53	5.5	326	16	26	19	-	-	-	349	226	0	33	1.5	609	8.3	BR
	7-29-65	60	-	52	24	52	5.5	362	7	13	18	-	-	-	366	228	0	32	1.5	594	8.4	BR
22cac-1	7-15-64	59	-	41	12	44	3.5	171	0	82	53	-	-	-	356	151	11	32	1.3	581	8.2	BR
	8-31-64	60	21	69	23	49		268	0	84	48	-	.5	-	428	268	48	29	1.3	688	8.2	GS
26ccb-1	2-4-65	48	11	47	24	8.8		242	0	32	3.7	-	.3	-	240	218	20	8	.3	414	7.7	GS
27cdc-1	7-14-64	56	-	39	33	28	3.5	157	6.6	100	39	-	-	-	349	235	106	20	.8	556	8.3	GS
28bcd-1	9- 2-60	-	21	73	26	35	5.5	340	.8	48	25	0.25	.2	.12	8/401	286	7	21	.9	714	7.7	DH
28bdc-1	7-29-65	-	-	22	29	50	6.6	184	5	76	37	-	-	-	330	174	23	37	1.6	558	8.4	BR
33acb-1	6- 3-64	48	-	49	38	56	3.5	184	9	156	54	-	-	-	469	280	129	30	1.4	746	8.3	BR
34aca-1	2- 4-65	47	11	47	24	9.3		240	0	30	5.8	-	.0	-	238	216	19	9	.3	414	7.5	GS
(D-9-1)																						
14aad-1	6-16-64	56	-	32	22	14	2.0	135	7	45	25	-	-	-	245	172	61	15	.5	398	8.4	BR
14aba-1	7-28-65	55	-	23	26	17	2.3	137	3	52	24	-	-	-	229	166	54	18	.6	392	8.3	BR
14ada-2	6- 3-64	56	-	46	33	30	2.3	164	8	103	46	-	-	-	377	251	117	20	.8	599	8.3	BR
23ada-1	7- 5-62	-	-	40	17	5.5	1.2	197	2	8.6	7.1	-	-	.13	200	171	9	6	.2	381	7.7	BR
	8- 7-62	-	-	48	21	6.4	1.2	235	0	16	8.2	-	-	-	231	205	12	6	.2	413	7.8	BR
	6-11-63	-	-	20	25	16	2.0	133	5	43	20	-	-	0	216	153	44	18	.6	383	8.8	BR
	8-28-63	-	-	27	26	16	1.6	163	2	44	21	-	-	0	275	175	41	16	.5	418	8.1	BR
25ada-3	4-27-64	53	18	71	23	48		354	0	43	24	-	8.3	-	399	272	0	28	1.3	656	7.8	GS
26aab-1	6- 3-64	58	-	37	30	24	2.3	174	6	75	26	-	-	-	293	214	71	19	.7	498	8.4	BR
26daa-1	6- 1-64	51	17	54	19	11		248	0	15	12	-	3.6	-	242	214	11	10	.3	416	7.6	GS
	7-13-64	50	-	26	20	5.8	.8	144	5	26	6.7	-	-	-	161	149	31	8	.2	303	8.3	BR
35aba-1	6- 3-63	-	-	58	21	6.4	1.2	260	0	14	12	-	-	.05	265	230	17	6	.2	463	8.4	BR
	8-29-63	-	-	26	21	6.7	1.2	152	5	24	8.9	-	-	0	162	149	24	9	.2	330	7.9	BR
	7- 2-65	-	-	19	23	7.1	1.2	126	6	31	9.9	-	-	-	170	142	39	10	.3	290	8.5	BR
36bbc-1	7- 5-62	-	-	56	20	6.2	1.2	237	60	18	11	-	-	.20	255	223	29	6	.2	471	7.5	BR
	8- 7-62	-	-	52	28	6.4	1.2	268	0	26	9.2	-	-	-	268	244	24	5	.2	475	7.7	BR
	7- 1-63	-	-	30	21	6.2	1.6	168	0	24	7.8	-	-	.04	184	159	21	8	.2	333	8.5	BR
	8-29-63	-	-	60	22	6.2	1.2	266	0	24	8.2	-	-	-	240	239	21	5	.2	483	7.4	BR
	7-13-64	50	-	63	23	6.4	1.2	272	0	31	8.2	-	-	-	248	252	29	5	.2	475	7.5	BR
	7- 2-65	49	-	21	22	5.5	.8	132	4	24	11	-	-	-	166	144	36	8	.2	286	7.7	BR
	7-29-65	49	-	24	22	6.4	.8	138	3	31	8.9	-	-	-	161	149	36	8.6	.2	300	8.3	BR
36cdb-1	7-29-65	49	-	17	31	9.2	1.6	132	4.5	59	10	-	-	-	194	170	62	10	.3	360	8.4	BR
36cdd-1	7-13-64	49	-	78	26	7.1	1.2	321	0	41	9.6	-	-	-	323	303	40	5	.2	562	7.5	BR
(D-9-2)																						
1baa-2	7-27-65	62	-	66	44	48	11	417	0	70	36	-	-	-	470	347	5	22	1.5	808	8.1	BR
1bcb-1	8-31-66	63	-	41	13	20	3.5	228	0	5.8	9.9	-	-	-	252	158	0	22	.7	385	8.1	BR
	9- 2-66	67	-	29	13	39	3.5	236	4.8	5.8	5.7	-	-	-	220	126	0	40	1.5	390	8.4	BR
1dcd-2	7-27-65	61	-	45	23	19	2.3	238	7	22	15	-	-	-	244	207	12	16	.6	446	8.5	BR
3aba-4	7-21-65	55	-	18	31	34	5.5	242	17	0	21	-	-	-	225	173	0	29	1.1	453	8.5	BR
5dcd-3	5-18-64	54	-	81	29	15	8.2	284	0	28	40	-	-	-	405	319	86	9	.4	650	8.2	BR
5ddc-2	5-27-64	54	41	93	28	28		344	0	55	46	-	-	-	508	348	66	15	.6	711	7.7	GS
6add-4	5-18-64	54	-	88	28	13	7.8	310	0	70	40	-	-	-	421	334	80	7	.3	675	7.9	BR
6add-5	6-25-65	54	-	25	31	14	7.8	125	3	72	36	-	-	-	296	192	89	13	.4	427	8.3	BR
7abb-1	6-17-64	57	-	26	38	27	8.6	119	14	93	51	-	-	-	385	221		20	.8	558	8.4	BR
7dcc-1	6- 3-64	62	-	50	25	42	11	223	13	77	33	-	-	-	372	227	44	27	1.3	599	8.3	BR
8acb-2	7-28-65	55	-	39	30	14	7.4	186	0	58	32	-	-	-	316	218	65	12	.4	492	8.2	BR
9bac-1	7- 5-62	-	-	21	21	40	12	148	11	50	37	-	-	-	315	140	19	36	1.5	493	8.3	BR
	8- 7-62	-	-	42	25	34	9.4	229	0	49	37	-	-	-	376	205	17	26	1.0	567	8.0	BR
	7- 2-63	-	-	41	25	34	9.0	217	0	61	37	-	-	-	362	207	29	26	1.0	547	8.1	BR
	8- 1-63	-	-	73	26	33	9.0	300	3	52	42	-	-	-	424	290	44	20	.9	693	7.7	BR
	8-22-63	-	-	59	26	31	8.6	287	4	33	41	-	-	-	408	256	21	20	.8	682	7.4	BR
	7-14-64	58	-	31	27	34	9.8	148	0	83	36	-	-	-	332	187	66	27	1.1	518	8.3	BR
	7-27-65	57	-	34	27	35	9.4	204	0	66	35	-	-	-	351	198	31	26	1.1	550	8.2	BR
10dac-1	8-31-66	62	17	38	27	20		194	0	41	32	-	4.1	-	264	206	47	18	.6	463	7.9	GS
11aaa-1	5-17-64	57	-	61	22	25		284	0	27	24	-	2.4	-	299	242	9	18	.7	519	7.8	BR
11bcd-3	5-18-64	56	-	51	25	20	1.6	234	0	40	27	-	-	-	273	227	35	16	.6	509	8.2	BR
	7- 1-65	56	-	34	28	20	1.2	200	0	39	28	-	-	-	263	199	35	18	.6	441	8.1	BR
12bbc-1	7-27-65	-	-	19	40	53	6.6	204	13	84	41	-	-	-	364	211	44	34	1.6	615	8.6	BR
12ccb-1	5-12-60	-	-	112	35	37	3.1	354	0	163	38	-	-	-	618	425	134	16	.8	952	7.4	DH
	7-13-64	55	-	94	41	39	3.5	359	0	148	33	-	-	-	550	405	111	17	.9	854	7.5	BR
14bcb-1	7-27-65	56	-	10	53	78	13	253	13	41	38	-	-	-	482	242	35	40	2.2	781	8.5	BR
15bbb-1	7-27-65	62	-	36	26	16	2.0	192	3	36	24	-	-	-	259	196	39	15	.5	429	8.3	BR
17ada-1	7-28-65	54	-	75	28	28	7.4	325	4	66	23	-	-	-	408	303	36	16	.7	658	8.3	BR

Table 5.--Chemical analyses of water from selected wells - Continued

Well No.	Date of collection	Temperature (°F)	Parts per million: Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH	Agency making analysis
SOUTHERN UTAH VALLEY - Continued																						
(D-9-2)																						
17daa-1	5-16-60	-	40	69	20	34	7.4	341	1	30	15	0.38	1.8	0.11	9/ 397	255	0	22	0.9	635	7.7	DH
	7-14-64	55	-	73	24	40	7.0	362	0	49	18	-	-	-	393	279	0	23	1.0	654	7.7	BR
20bbc-2	7-14-64	54	-	29	32	32	5.5	168	10	75	36	-	-	-	323	205	67	25	1.0	523	8.5	BR
20ccc-1	4-28-65	53	37	89	47	28	11	402	0	94	29	.20	19	.06	10/ 569	416	86	12	.6	861	7.7	GS
29acd-1	8-31-64	55	7.7	54	23	8.0		267	0	21	3.2	-	.3	-	241	228	9	7	.2	415	8.2	BR
	7-28-65	55	-	55	25	4.8	.8	260	0	4	23	-	-	-	240	240	27	4	.1	443	8.1	BR
31cdb-1	7-29-65	62	-	16	24	100	5.9	212	15	111	36	-	-	-	418	140	0	60	3.7	686	8.6	BR
32bac-1	6- 1-64	59	-	61	33	13	1.6	289	0	61	13	-	-	-	313	288	51	9	.4	563	7.8	BR
(D-9-3)																						
5bbd-1	7-14-64	54	-	27	26	14	1.2	154	8	44	16	-	-	-	214	175	49	15	.5	384	8.5	BR
(D-10-1)																						
1cbb-1	8-23-60	-	9.9	64	17	4.5	1.7	257	.8	15	7.5	.27	.4	.00	11/ 243	229	19	4	.1	467	7.8	DH
	9-11-64	49	12	69	22	11		309	0	20	6.2	-	4.1	-	299	263	10	8	.3	490	8.1	GS
2adb-1	7-29-65	49	-	32	22	6	1.2	156	0	36	15	-	-	-	192	173	45	7	.2	345	7.9	BR
	7- 5-66	49	-	75	22	5.3	.8	286	0	30	17	-	-	-	305	277	42	4.0	.1	527	7.8	BR
2bba-1	8- 3-61	-	18	98	33	16	2.8	246	.7	92	78	.43	3.4	.12	12/ 559	382	179	.8	.4	-	-	DH
	8- 4-64	57	20	94	30	30		255	0	101	71	-	9.3	-	509	356	147	16	.7	778	7.5	GS
GOSHEN VALLEY																						
(C-8-1) 13/																						
20cdb-1	5- 6-66	57	-	77	34	133	18	311	0	96	205	-	-	-	762	330	76	45	3.2	1,270	8.2	BR
32bcb-1	7- 6-60	-	-	15	15	201	18	123	25	72	242	-	-	0.27	709	98	-	78	8.8	1,212	8.9	BR
	10- 9-62	-	-	40	14	167	14	206	3.9	71	205	-	-	.30	757	157	0	68	5.8	1,134	8.3	BR
	5- 2-66	58	-	45	21	155	15	229	0	96	188	-	-	-	647	196	8	61	4.8	1,040	7.6	BR
35dcb-1	7- 6-60	-	-	88	36	171	22	169	0	68	394	-	-	.45	1,093	366	227	49	3.9	1,696	7.9	BR
	6-15-64	69	-	88	45	168	22	115	0	134	399	-	-	-	1,050	404	310	46	3.6	1,630	8.2	BR
	4-28-66	57	-	126	43	171	27	248	0	124	400	-	-	-	1,130	490	287	42	3.4	1,590	7.3	BR
(C-9-1)																						
3ddb-1	5- 4-65	58	61	60	29	182		215	0	95	275	-	2.5	-	821	270	94	59	4.8	1,340	7.9	GS
	4-28-66	58	-	56	22	171	15	215	0	98	244	-	-	-	781	230	54	60	4.9	1,260	7.6	BR
4ddc-1	5-28-64	62	-	55	16	118	15	149	8	78	186	-	-	-	612	204	82	53	3.6	984	8.5	BR
	6- 9-64	62	-	54	18	119	14	161	11	74	182	-	-	-	607	208	76	53	3.6	979	8.4	BR
	6-17-65	62	-	59	21	129	14	146	15	100	199	-	-	-	671	233	113	53	3.7	1,050	8.3	BR
	4-28-66	65	-	55	21	126	17	175	0	95	198	-	-	-	662	225	81	53	3.7	1,070	7.6	BR
20dcc-1	8-19-64	61	58	34	11	112		184	0	73	102	-	1.4	-	479	128	0	66	4.3	723	8.2	BR
	4-27-66	57	-	34	11	108	8.2	170	0	84	105	-	-	-	462	129	-	63	4.1	727	7.5	BR
20ddd-1	6-23-65	63	-	32	15	91	10	133	12	84	98	-	-	-	473	144	35	56	3.3	719	8.3	BR
	5- 9-66	62	-	37	14	90	10	184	0	73	94	-	-	-	475	152	0	54	3.2	736	8.0	BR
26bda-3	1-25-61	-	-	81	41	276	34	311	0	108	459	-	-	-	1,258	370	115	59	6.3	2,134	7.8	BR
	4- 6-61	-	-	56	45	278	34	232	12	99	467	-	-	-	1,176	324	134	62	6.7	2,034	8.1	BR
	5-26-64	52	-	105	46	283	37	315	0	149	491	-	-	-	1,254	443	185	56	5.9	2,200	7.9	BR
26cdd-1	6-15-64	53	-	34	43	232	30	214	23	102	345	-	-	-	971	262	87	63	6.2	1,690	8.6	BR
27acc-1	1-25-61	-	-	89	44	63	11	165	0	84	235	-	-	-	816	404	269	24	1.4	1,152	7.9	BR
	4-29-66	67	-	87	46	61	13	168	0	82	237	-	-	-	793	408	270	24	1.3	1,050	7.5	BR
28ccb-1	4- 5-63	-	-	48	17	94	11	170	18	80	112	-	-	-	557	191	52	50	3.0	804	8.5	BR
	9-11-63	-	-	62	17	101	11	176	0	102	146	-	-	-	600	223	79	48	2.9	883	8.1	BR
	6- 9-64	65	-	55	20	104	13	150	15	98	151	-	-	-	601	219	96	48	3.1	935	8.5	BR
	6-17-65	65	-	63	19	107	13	140	11	115	165	-	-	-	638	235	120	48	3.0	977	8.3	BR
	4-27-66	58	-	64	20	107	15	168	0	118	166	-	-	-	645	243	105	47	3.0	956	7.5	BR
29acc-1	5-23-63	-	-	29	11	113	6.3	163	5	78	104	-	-	-	479	117	0	66	4.6	763	8.5	BR
	5-28-64	-	-	37	13	106	7.0	151	8	96	105	-	-	-	492	146	22	60	3.8	771	8.4	BR
	6-18-65	59	-	38	18	102	7.0	134	17	107	107	-	-	-	481	170	60	55	3.4	765	8.5	BR
	4-27-66	59	-	36	14	103	8.6	171	0	82	111	-	-	-	486	147	7	59	3.7	714	7.7	BR
29bcc-1	6-19-65	63	-	73	26	71	9	82	0	147	167	-	-	-	621	291	224	34	1.8	930	8.1	BR
	5- 6-66	63	-	89	32	71	9.0	138	0	169	165	-	-	-	680	356	243	30	1.6	855	7.5	BR
34dba-1	10- 9-62	-	-	60	48	78	11	121	0	84	243	-	-	-	708	346	247	32	1.8	1,119	8.2	BR
	4-27-66	53	-	82	49	80	12	188	0	99	240	-	-	-	796	408	254	29	1.7	1,050	7.8	BR
34ddc-1	4-27-66	55	-	66	40	69	12	172	0	33	226	-	-	-	671	328	187	31	1.7	926	7.6	BR
(C-10-1)																						
1acc-1	10- 9-62	-	-	20	31	185	24	218	18	83	224	-	-	.32	717	178	1	66	6.0	1,248	8.4	BR
1acd-1	5-15-64	55	-	44	32	185	27	318	0	77	238	-	-	-	766	77	0	59	5.2	1,380	8.1	BR
1bcd-1	10- 9-62	-	-	44	47	197	30	215	3	117	331	-	-	.25	954	302	26	56	4.9	1,601	8.2	BR
3ddb-1	10- 9-62	-	-	61	60	318	3.5	332	31	199	400	-	-	0	1,275	399	127	63	6.9	2,140	8.6	BR
4bbb-1	11- 1-62	-	-	30	10	98	9.3	196	12	42	82	-	-	.07	439	107	0	62	3.9	689	8.5	BR
	4- 3-63	-	-	26	10	98	9.3	185	10	44	83	-	-	.12	465	108	0	64	4.0	658	8.3	BR
	9-11-63	-	-	36	14	106	10	174	0	70	126	-	-	.08	536	149	46	59	3.8	797	8.1	BR
	6-16-65	65	-	102	42	101	12	147	0	203	236	-	-	-	896	428	307	33	2.1	1,330	8.1	BR
	4-27-66	60	-	100	41	108	14	159	0	199	238	-	-	-	895	420	290	35	2.3	1,340	7.4	BR
4cbb-1	4- 5-62	-	-	112	39	184	15	94	24	296	306	-	-	0	1,175	437	360	47	3.8	1,765	8.5	BR
	8- 6-62	-	-	94	34	144	14	124	17	223	244	-	-	.07	948	373	271	45	3.3	1,441	8.2	BR
	9-14-62	-	-	119	25	133	13	159	0	239	232	-	-	-	896	399	269	41	2.9	1,394	7.5	BR
	6- 7-63	-	-	130	22	121	13	162	0	239	220	-	-	-	886	413	280	38	2.6	1,312	8.3	BR
	9-11-63	-	-	101	33	113	11	163	0	199	218	-	-	.04	944	388	254	38	2.5	1,280	7.8	BR
	6- 9-64	66	-	100	31	120	13	118	0	225	230	-	-	-	867	378	281	40	2.7	1,300	8.2	BR

Table 5.--Chemical analyses of water from selected wells - Continued

Well No.	Date of collection	Temperature (°F)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH	Agency making analysis
			Parts per million																			
GOSHEN VALLEY - Continued																						
(C-10-1)																						
4cbb-1	10- 2-64	-	-	123	34	118	13	167	0	338	235	-	-	-	945	447	310	31	2.4	1,350	8.0	BR
	6-16-65	66	-	189	49	114	13	98	5	257	231	-	-	-	896	418	338	36	2.4	1,320	8.3	BR
	4-27-66	67	-	101	39	112	15	168	0	214	224	-	-	-	918	413	275	36	2.4	1,330	7.5	BR
9ccc-1	6-13-61	-	-	265	123	86	16	116	0	583	477	-	-	0.00	1,964	1,168	1,073	14	1.1	2,708	7.8	BR
	9- 6-62	-	-	250	113	99	17	68	0	560	486	-	-	.13	1,940	1,088	1,032	16	1.3	2,671	7.7	BR
	6- 6-63	-	-	258	114	100	15	82	0	610	461	-	-	-	1,794	1,115	1,048	16	1.3	2,538	7.8	BR
	9-24-63	-	-	210	99	94	17	83	0	492	408	-	-	.00	1,716	929	861	18	1.3	2,324	7.5	BR
	5-28-64	62	-	245	113	105	17	90	0	625	429	-	-	-	1,810	1,080	1,004	17	1.4	2,530	8.1	BR
	8- 7-64	62	-	230	107	101	16	146	0	579	376	-	-	-	1,650	1,014	894	17	1.4	2,280	8.0	BR
	4-28-66	65	-	212	94	106	18	143	6	512	368	-	-	-	1,640	915	798	20	1.5	2,200	7.4	BR
10ddc-1	10- 9-62	-	-	488	422	469	26	85	0	878	2,072	-	-	.14	5,114	2,952	2,880	26	3.8	7,007	7.9	BR
	11- 1-62	-	-	480	446	472	26	109	0	1,026	2,078	-	-	.14	5,188	3,030	2,938	25	3.7	7,104	7.9	BR
17aaa-1	4-27-65	67	59	84	26	30		177	0	67	99	-	32	-	528	315	170	17	.7	771	7.5	GS
25aab-1	6- 6-61	-	-	108	52	135	11	369	8	113	253	-	-	0	989	484	181	37	2.7	1,556	8.0	BR
	7- 7-61	-	-	112	50	137	11	386	0	127	248	-	-	-	978	486	169	37	2.7	1,572	8.3	BR
	8- 9-61	-	-	113	50	140	11	355	14	126	255	-	-	-	971	488	197	38	2.8	1,539	7.9	BR
	8-31-62	-	-	75	47	155	12	287	0	120	263	-	-	.20	890	379	144	46	3.4	1,464	7.8	BR
	6- 1-64	63	-	64	61	192	18	223	0	162	355	-	-	-	990	412	229	49	4.1	1,700	8.1	BR
27dba-1	4-14-61	-	54	125	53	400	56	382	0	115	748	1.1	.2	.17	14/1,889	527	217	59	7.6	3,023	7.2	DH
28ada-1	8- 7-64	68	-	81	34	125	18	285	0	126	269	-	-	-	800	342	108	51	4.1	1,490	8.1	BR
29cdd-1	4-14-61	-	46	110	87	71	19	130	.3	44	370	.3	.4	.17	15/944	509	402	22	1.4	1,427	7.6	DH
	7-10-61	-	-	54	19	28	9.8	188	4	36	63	-	-	.10	387	213	59	21	.8	570	8.1	BR
	4- 4-63	-	-	29	20	30	5.9	98	6	41	69	-	-	.00	368	153	73	28	1.0	484	8.4	BR
	8- 7-64	73	-	62	16	26	9.8	198	0	46	58	-	-	-	373	223	61	19	.8	585	8.0	BR
	4-28-66	70	-	58	18	26	9.4	193	0	40	62	-	-	-	394	221	63	19	.8	580	7.6	BR
29ddd-1	4- 4-63	-	-	207	126	106	22	84	0	666	570	-	-	2.16	2,396	1,032	963	15	1.3	3,177	7.9	BR
	9-10-63	-	-	245	105	100	23	87	0	417	558	-	-	.00	1,706	1,043	972	17	1.4	1,706	8.0	BR
	7-24-64	68	-	243	112	109	24	63	0	478	560	-	-	-	2,190	1,069	1,017	18	1.5	2,710	8.0	BR
	8- 7-64	64	-	333	140	118	24	58	0	789	586	-	-	-	2,710	1,407	1,359	15	1.4	3,340	8.0	BR
	4-28-66	63	-	410	166	126	27	112	0	950	662	-	-	-	2,940	1,707	1,615	14	1.3	3,650	7.1	BR
31bdb-1	8- 7-64	61	-	83	62	188	13	179	16	249	323	-	-	-	1,040	462	315	46	3.8	1,700	8.6	BR
31cdd-1	6-21-63	-	-	28	19	26	6.3	128	0	26	56	-	-	.04	296	148	43	27	.9	448	8.4	BR
	9-26-63	-	-	41	19	38	10	123	0	57	83	-	-	.07	380	180	79	30	1.2	595	7.9	BR
	6- 3-64	-	-	40	19	24	6.3	135	5	40	54	-	-	-	307	178	67	22	.8	471	8.3	BR
	10- 8-64	66	-	38	20	25	6.3	108	8	47	63	-	-	-	320	177	-	23	.8	473	8.3	BR
	4-28-66	65	-	59	21	26	5.9	191	0	44	67	-	-	-	399	234	77	19	.7	582	8.0	BR
32ccc-1	6- 6-61	-	-	66	22	36	9.4	164	5	83	83	-	-	.00	471	256	122	23	1.0	690	8.1	BR
	7-10-61	-	-	63	20	36	10	196	0	62	75	-	-	.00	460	240	79	24	1.0	652	7.8	BR
	9- 6-62	-	-	67	20	37	10	199	0	64	79	-	-	.00	463	248	85	24	1.0	676	7.7	BR
	4- 3-63	-	-	54	21	37	9.4	155	0	71	78	-	-	.17	464	219	92	26	1.1	627	8.3	BR
	9-10-63	-	-	45	19	37	10	110	0	74	83	-	-	.05	383	190	100	29	1.2	584	8.1	BR
	6-16-64	68	-	47	17	36	9.8	104	8	64	77	-	-	-	392	185	90	28	1.1	561	8.3	BR
	8- 7-64	68	-	65	23	38	10	177	0	83	87	-	-	-	484	259	114	23	1.0	702	8.0	BR
	6-15-66	68	62	73	24	36	9.9	190	0	55	86	.5	29	.02	16/491	279	123	21	.9	736	8.0	GS
33aba-1	8- 7-64	68	-	180	85	185	32	120	11	155	686	-	-	-	1,780	798	700	32	.9	2,570	8.4	BR
(C-10-2)																						
15ddd-1	6-16-66	130	35	327	75	1,930	180	646	0	404	3,310	2.2	2.5	4.7	17/6,610	1,120	595	76	25	10,900	8.0	GS
(C-11-1)																						
6abc-1	7-10-63	-	-	43	16	30	7	117	0	67	58	-	-	.04	328	174	78	26	1	507	8.2	BR
	7-24-64	64	-	42	18	33	7.4	135	3.3	50	65	-	-	-	367	178	67	28	1.1	519	8.3	BR
	6-10-65	65	-	36	16	29	7.0	110	2	51	58	-	-	-	340	156	66	28	1.0	466	8.3	BR
6bdd-1	8-31-64	65	57	57	16	32		204	0	27	58	-	.8	-	357	209	42	25	.9	516	7.6	BR
	6-11-65	66	-	43	15	25	6.6	151	0	29	55	-	-	-	332	169	45	24	.8	461	8.2	BR
(D-9-1)																						
18cbc-1	1-25-61	-	-	54	62	202	43	215	8	91	427	-	-	-	1,116	391	215	50	4.4	1,880	8.0	BR
	6-15-64	59	-	79	53	212	28	110	7	598	131	-	-	-	1,190	414	324	51	4.5	1,930	8.3	BR
	6-14-65	58	-	70	49	212	29	121	0	100	474	-	-	-	1,150	375	276	53	4.7	1,830	8.1	BR
	4- 6-66	58	-	113	51	214	32	266	0	108	473	-	-	-	1,260	490	272	47	4.2	2,050	7.4	BR
21cbc-1	4-27-65	51	28	244	141	457		274	0	848	715	-	85	-	2,650	1,190	965	46	5.8	3,930	7.4	GS
(D-10-1)																						
6cbd-1	6-16-61	54	-	45	52	212	20	268	32	31	358	-	-	-	904	325	105	57	5.1	1,640	8.6	BR

1/ Analysis includes 1.4 ppm iron.
2/ Analysis includes 0.08 ppm iron and 0.00 ppm manganese.
3/ Analysis includes 0.07 ppm iron and 0.00 ppm manganese.
4/ Analysis includes 0.02 ppm gold, 0.00 ppm lead, 0.03 ppm lithium, 0.00 ppm nickel, 0.37 ppm strontium, and 0.02 ppm zinc.
5/ Analysis includes 0.01 ppm iron and 0.00 ppm manganese.
6/ Analysis includes 0.21 ppm iron and 0.02 ppm manganese.
7/ Analysis includes 0.15 ppm iron and 0.03 ppm manganese.
8/ Analysis includes 0.28 ppm iron and 0.01 ppm manganese.
9/ Analysis includes 0.07 ppm iron.
10/ Analysis includes 0.01 ppm iron.
11/ Analysis includes 0.21 ppm iron and 0.00 ppm manganese.
12/ Analysis includes 0.01 ppm iron.
13/ Sample collected from storage tank.
14/ Analysis includes 1.1 ppm iron and 0.10 ppm manganese.
15/ Analysis includes 3.0 ppm iron and 0.00 ppm manganese.
16/ Analysis includes 0.01 ppm gold, 0.00 ppm lead, 0.03 ppm lithium, 0.00 ppm nickel, 0.61 ppm strontium, and 0.01 ppm zinc.
17/ Analysis includes 0.94 ppm manganese.

Table 6.--Records of selected springs, tunnels, and mines

Geologic source: C, consolidated rocks of Paleozoic and Tertiary age; Cr, consolidated rocks of Tertiary and Cretaceous age; P, consolidated rocks of Paleozoic age; Q, unconsolidated rocks of Quaternary age; T, consolidated rocks of Tertiary age; V, volcanic and other igneous rocks of Tertiary age.
Use of water: E, electrical power generation; F, fish culture; H, domestic; I, irrigation; P, public supply; R, recreation; S, stock; U, unused.
Yield: E, estimated.
Remarks and other data available: C, chemical analysis in table 7; M, measured monthly and (or) annual flow in table 8.

Number in table 7	Location	Name or type of source	Geologic source	Use of water	Temperature (°F)	Yield: Date of measurement	Yield: Discharge (gpm)	Remarks and other data available
						SOUTHERN UTAH VALLEY		
	(D-7-3) 28cd-S	Little Spring Creek Springs	Q	I,S	-	10-26-65	1,090	Discharge measured in (D-7-3)29daa.
						5-17-66	1,230	
						10- 4-66	910	
						12-14-66	970	
1	28d-S and 33a-S	Spring Creek Springs	Q	F,I	56	4-16-64	6,870	Discharge measured in (D-7-3)28bca; temperature measured in (D-7-3)28bdc. C.
						8- 3-64	11,790	
						9- 1-64	11,090	
						10- 1-64	13,070	
						11- 2-64	12,730	
						12- 1-64	8,980	
						1- 5-65	8,980	
						2- 1-65	7,630	
						3- 3-65	6,870	
						4- 5-65	6,200	
						5- 3-65	6,870	
						6- 7-65	13,070	
						10-25-65	11,790	
						12-26-65	9,700	
						2-17-66	8,280	
						5- 9-66	6,660	
						6- 6-66	4,090	
						7-26-66	5,480	
						7-29-66	4,840	
						9- 4-66	6,870	
						10- 5-66	8,140	
						10-28-66	8,980	
						12-14-66	5,990	
						2-21-67	6,870	
2	32d-S	Wood Springs	Q	I,S	54	4- 7-65	1,720	Discharge measured in (D-7-3)31add. C.
						4-28-65	1,640	
						6- 9-65	1,700	
						6-16-66	2,260	
						10- 4-66	1,700	
						12-14-66	1,890	
	32dd-S	Matson Springs	Q	I,S	-	7- 5-66	660	Discharge measured in (D-7-3)32cda.
						10- 4-66	1,520	
						12-14-66	250	
	34cab-S1	Unnamed spring	Q	S	-	6- 2-65	180	
						7-23-65	140	
						10-26-65	20E	
						5-23-66	45	
						10-28-66	5E	
3	34dcc-S1 and (D-8-3) 3a-S	Wheeler Springs	Q	I,S	53	2-12-65	890	Discharge and temperature measured in (D-7-3)34cdc and (D-8-3)3abd. C.
						7-23-65	1,360	
						8-24-65	1,450	
						10-26-65	960	
						5-17-66	1,630	
						10- 5-66	2,560	
						12-14-66	490	
4	35dbd-S1	Spring Creek Springs	Q	P	-	-	-	Part of Springville's culinary water supply. C,M.
5	(D-7-4) 7-S and 8-S	Bartholomew Springs	Q	P	-	-	-	do
6	(D-8-2) 36aa-S and (D-8-3) 31bc-S	Unnamed springs (locally called Bradford Springs)	Q	I,S	-	10 -1-64	260	Discharge measured in (D-8-2)36aad. C.
						11- 3-64	150	
						1- 6-65	170	
						2- 1-65	180	
						3- 3-65	310	
						4- 7-65	130	
						4-29-65	120	
						6- 8-65	350	
						7- 2-65	450	
						5-31-66	620	
7	(D-8-3) 1cac-S1	Burt Springs	Q	I,P	49	-	-	Part of Springville's culinary water supply. C,M.
8	1cad-S1	Cox Springs	Q	I,S	50	12- 2-64	1,090	Discharge measured in (D-8-3)1cca. C.
						1- 6-65	1,120	
						2- 1-65	1,080	
						3- 3-65	1,250	
						4- 7-65	1,100	
						4-29-65	1,860	
						8-24-65	910	
						9-27-65	1,440	
						5-24-66	1,100	
						10- 4-66	700	
						12-14-66	1,350	
9	(D-8-3) 1cbb-S1	Burt Pond Springs	Q	H,I, R	52	6- 2-65	180	C.
						7-23-65	150	
						8-23-65	180	
						10-26-65	200	
						5-24-66	13	
	2abc-S1	Konold Spring	P	H,I	54	5-23-66	14	
10	2abc-1	Konold Tunnel	P	P	-	-	250	Discharge reported to be fairly constant and is based on weir measurements by city employees prior to 1962. Part of Springville's culinary water supply. C.
11	2acb-S1	Osler Spring	P	H,I	54	7-23-65	120	C.
						10-26-65	22	
						5-23-66	160	
12	3cad-S1	Fullmer Spring	Q	I,S	54	8-18-65	340	C.
						10-27-65	180	
						5-24-66	240	
						10- 4-66	260	
13	3dbb-S1	Clyde Spring	Q	I,S	54	-	-	C.
14	4ca-S	Dry Creek Springs	Q	I,S	-	4-21-64	980	Discharge measured in (D-8-3)4cac and includes water from Clyde and Fullmer Springs and several flowing wells. C.
						7- 9-64	1,740	
						8- 3-64	1,760	
						9- 1-64	1,160	
						10- 1-64	3,000	
						11- 3-64	1,340	
						12- 2-64	1,270	
						1- 6-65	1,260	
						2- 2-65	1,360	
						3- 3-65	1,280	
						4- 7-65	1,100	
						4-29-65	1,100	
						6- 8-65	1,770	
						10-29-65	1,250	
						5- 9-66	2,730	
						10- 6-66	1,520	
						12-20-66	1,180	
15	9d-S	Big Hollow Springs	Q	I,R, S	-	8-24-65	1,990	Discharge measured in (D-8-3)9dba. C.
						10-28-65	2,000	
						5-24-66	1,470	
						10- 5-66	1,430	
						12-14-66	1,380	
	12cda-1 and 12cda-2	Unnamed tunnels	Q	I,R, S	48	8-25-65	200	
						10-26-65	190	
						5-24-66	80	
16	17caa-S1	Unnamed springs	Q	U	54	10-14-65	2,020	Filled in when visited in July 1966.
						10-27-65	1,460	
17	20bdb-S1	Hillstream Spring	Q	I	53	11- 5-65	380	Discharge measured in (D-8-3)17ccc. C.
						5-24-66	80	
						12-20-66	120	
18	23dbc-1	Unnamed tunnel	P, Q	S	54	10-19-65	40	C.
						5-25-66	36	
19	30dda-S1	Unnamed spring	Q	I,S	54	10-29-65	150	C.
						5-27-66	0	
	30ddd-S1	do	Q		54	8-30-65	18	
						10-29-65	110	
						5-27-66	27	
	33aac-S1	do	Q	S	53	9-14-65	7	
						10-28-65	21	
						5-27-66	13	
	34dcd-S1	Malcolm Springs	Q	I	-	7- 7-66	920	Discharge is sum of measurements made in diversions in (D-8-3)28bca and 34dcd.
20	(D-8-4) 7-S and 8-S	Mapleton City Springs	P, Q	P	-	-	-	C,M.

Table 6.--Records of selected springs, tunnels, and mines - Continued

Number in table 7	Location	Name or type of source	Geologic source	Use of water	Temperature (°F)	Yield: Date of measurement	Yield: Discharge (gpm)	Remarks and other data available
						SOUTHERN UTAH VALLEY - Continued		
21	(D-9-1) 25a-S	Holladay Springs	Q	I,S	52	4-14-64	100	Discharge is sum of measurements made in diversions at (D-9-1)24ddc and 25ada. Temperature measured at (D-9-1)25ada. C.
						5-27-64	250	
						7- 9-64	100	
						8- 3-64	90	
						8-31-64	110	
						10- 1-64	50	
						11- 3-64	80	
						12- 2-64	290	
						1- 6-65	100	
						2- 1-65	130	
						3- 2-65	60	
						4- 7-65	13	
						4-29-65	100	
						6- 8-65	175	
						7- 1-65	250	
						10-29-65	390	
						6- 3-66	260	
						10-28-66	860	
						12-21-66	450	
22	(D-9-2) 11d-S	Salem Lake Springs	Q	I,R, S	-	3-10-64	2,240	Discharge measured at (D-9-2)11abd. C.
						4-14-64	2,200	
						5-27-64	2,200	
						6-18-64	2,380	
						7- 8-64	2,120	
						8- 3-64	2,120	
						8-31-64	2,220	
						10- 1-64	2,240	
						11- 2-64	2,470	
						12- 2-64	2,450	
						1- 6-65	2,460	
						2- 1-65	2,470	
						3- 3-65	2,140	
						4- 5-65	2,450	
						4-29-65	2,450	
						6- 7-65	2,410	
						7- 2-65	2,220	
						10-29-65	2,240	
						6- 2-66	2,100	
						10- 6-66	2,410	
						12-20-66	2,400	
	27aa-S	Unnamed spring	Q	H	52	6-13-66	19	
23	27cda-S1, (D-10-2) 3ada-S1, 3da-S, 11cad-S1 and 11dca-S1	Payson City Springs	C	P	-	-	-	Culinary water supply of Payson. C,M.
24	29-S	Spring Lake Springs	Q	I,R, S	-	4-14-64	1,440	Discharge measured at (D-9-2)29cbb. C.
						6-18-64	1,150	
						7- 8-64	780	
						8- 3-64	640	
						8-31-64	520	
						10- 1-64	690	
						11- 3-64	1,110	
						12- 2-64	1,050	
						2- 1-65	1,790	
						3- 2-65	1,340	
						4- 7-65	1,040	
						4-29-65	1,250	
						6- 8-65	920	
						7- 1-65	1,000	
						10-29-65	1,330	
						6- 3-66	850	
						10- 6-66	990	
						12-20-66	1,390	
	(D-9-2) 31ad-S	Unnamed spring (Locally called Ashton Spring)	P	H	-	7-11-66	2.2	
	31da-S	Unnamed spring (Locally called Bullock Spring)	P	U	55	7-12-66	5.4	
25	33-S	Picayune Canyon Springs	P	P	-	-	-	Culinary water supply for the community of Spring Lake. C.
	34cc-S	Unnamed spring (Locally called Livingston Spring)	Q	S	59	6-14-66	40E	
	35cca-S1	Unnamed spring	Q	S	46	6-14-66	10E	Located in Bear Canyon.
26	36dc-S	do	Q	H,I	45	6-13-66	60	Located in Loafer Canyon. C.
27	(D-9-3) 8acb-S1	do	Q	H,I, S	49	11- 9-65	80	Discharge is the sum of measurements made in diversions at (D-9-3)8acb and 8cab. C.
						6-13-66	80	
28	8cab-1	Dream Mine	P	H,I	55	11- 9-65	50	C.
						6-13-66	50	
29	12bda-S1	Cold Springs	Q, P	P	52	7- 5-66	3,280	Culinary water supply for the city of Spanish Fork; discharge is the sum of measurements made in diversions at (D-8-3) 34bad, (D-9-3)11aaa and 12bda. C,M.
30	17-S	Water Canyon Springs	Q, P	P	50	6-24-66	250	Culinary water supply for the city of Salem; discharge measured by city employees at (D-9-3)17bbd. C.
						7- 7-66	250	
						8- 2-66	260	
						9- 6-66	280	
						11- 2-66	270	
						5- 5-67	200	
31	17cc-S	Unnamed spring (Locally called Davis Springs)	Q, C	H,I, S	50	11- 9-65	110	Discharge measured at (D-9-3)18dda. C.
						6-13-66	160	
32	(D-9-4) 18baa-S1	Castilla Springs	P	U	104	-	-	C.
33	(D-10-1) 13dcd-S1, 24aaa-S1, (D-10-2) 19bbc-S1, and 32abb-S1	Santaquin City Springs	Q, P, T	P	-	6- 3-66	560	Culinary water supply for the city of Santaquin and town of Genola; discharge measured at (D-10-1) 12cdc. C,M.
						11- 6-66	400	
						1-16-67	560	
						GOSHEN VALLEY		
34	(C-10-1) 36dcb-S1	Goshen Town Spring	V	P	- 66	6-20-66	510	Culinary water supply for the town of Goshen; discharge is sum of measurements made in diversions at (C-10-1)23aad, 36cad, and 36dcb. C.
						6-27-66	490	
	(C-10-2) 15adc-S1	Jameson Spring	V	P	-	-	-	Culinary water supply for Elberta. M.
35	15ddd-1	Burgin Mine	P	I,S	130	1- 9-68	2,700	Discharge measured at (C-10-2)13aca. C.

Table 6.--Records of selected springs, tunnels, and mines - Continued

Number in table 7	Location	Name or type of source	Geologic source	Use of water	Temperature (°F)	Yield: Date of measurement	Yield: Discharge (gpm)	Remarks and other data available
				GOSHEN VALLEY - Continued				
36	(C-11-1) 30acb-S1	Cottonwood Spring	Q	S	50	11- 1-65	1.7	C.
					61	6-20-66	6E	
					58	10- 6-66	1	
37	(C-11-2) 3ad-S	Unnamed spring	Q	S	-	8-26-65	2	Water is piped from Dry Herd Canyon and measured at (C-11-2) 2ddd. C.
						11- 1-65	2.5	
						6-20-66	2.3	
						10- 6-66	.25	
38	22aac-S1	do	Q	S	52	8-26-65	25	C.
					52	11- 1-65	15	
						6-20-66	7.5	
						10- 6-66	5	
	22bad-S1	do	Q	S	61	8-26-65	1.2	
39	26da-S	do	Q	S	-	8-26-65	25	Discharge is sum of measurements made in diversions at (C-11-2)23add and 26aaa and includes small amount of streamflow. C.
						6-20-66	18	
40	(D-7-1) 26c-S	Unnamed spring	Q	U	-	-	-	Located on Bird Island. C.
41	(D-8-1) 3dda-S1	do	Cr	U	89	-	-	Located on Lincoln Point. C.
42	(D-10-1) 8c-S	Warm Springs	Q, P	I,S	70	4-15-64	3,690	Discharge is the sum of measurements made in diversions at (D-10-1)8cab, 8cdb, and 17bab. C
					70	5-27-64	3,370	
					71	7- 8-64	3,620	
						8- 4-64	3,100E	
						8-31-64	3,300	
					71	10- 1-64	3,520	
						11- 3-64	3,510	
						12- 2-64	3,580	
						1- 6-65	2,810E	
						2- 2-65	3,370	
						4- 7-65	3,140	
						5- 4-65	3,600	
						6- 9-65	4,060	
						7- 1-65	3,870	
					71	9-10-65	4,460	
					70	10-29-65	3,520	
					70	2-21-66	4,160	
					72	6- 6-66	4,360	
					70	10- 6-66	4,970	
					71	12-21-66	5,340	

Table 7.--Chemical analyses of water from selected springs, tunnels, and mines

Sodium: Where no value is shown for potassium, sodium and potassium are calculated and reported as sodium.
Sulfate: In the analyses by the U.S. Bureau of Reclamation, the sulfate value is calculated; those by the Utah State Department of Health and the U.S. Geological Survey are determined.
Dissolved solids: In the analyses by the U.S. Geological Survey, values greater than 1,000 ppm are calculated from determined constituents, those less than 1,000 ppm are residue on evaporation at 180°C; in the analyses by the Utah State Department of Health and by the U.S. Bureau of Reclamation, values are residue on evaporation at 110°C and 105°C, respectively.
Agency making analysis: BR, U.S. Bureau of Reclamation; DH, Utah State Department of Health; GS, U.S. Geological Survey

Number in table 6	Location of source	Location of sampling site	Date of collection	Temperature (°F)	Parts per million															Percent sodium	Sodium-adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH	Agency making analysis
					Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$					
					SOUTHERN UTAH VALLEY																			
1	(D-7-3) 28d-S	(D-7-3) 19dda	4-26-65	-	-	112	35	35	18	214	25	242	37	-	-	-	651	417	200	15	0.7	949	8.3	BR
	33a-S		8- 3-65	-	-	108	30	28	7.4	306	4.8	151	36	-	-	-	573	394	136	13	.6	842	8.4	BR
2	(D-7-3) 32d-S	(D-7-3) 32db	4-28-65	73	8.6	86	29	21		336	0	67	20	-	7.1	-	391	332	56	12	.5	677	8.1	GS
3	(D-7-3) 34dcc-S1 and (D-8-3) 3a-S	(D-8-3) 3abd	8-22-66	52	-	87	18	11	1.2	281	0	65	12	-	-	-	361	289	59	8	.3	583	7.7	BR
4	(D-7-3) 35dbd-S1	(D-7-3) 35cdb	6-28-50	-	7.0	44	18	4.1	-	208	0	11	3.6	-	3.5	-	188	173	0	5	.1	-	-	DH
5	(D-7-4) 7-S and 8-S	(D-7-3) 7bad	12- 4-57	45	21	48	6.6	8.1		184	0	9.0	2.5	-	1.3	-	186	147	0	11	.3	302	7.6	GS
6	(D-8-2) 36aa-S and (D-8-3) 31bc-S	(D-8-2) 36aad	9- 1-64	55	23	58	30	47		241	6	76	34	-	45	-	441	268	60	28	1.3	622	8.4	GS
7	(D-8-3) 1cac-S1	(D-8-3) 1cbd	4-29-65	48	8.4	65	16	7.8	1.1	237	0	40	3.9	0.1	2.0	0.02	1/267	227	33	7	.2	439	7.7	GS
			8-22-66	49	-	63	16	7.1	1.6	236	0	33	8.5	-	-	-	259	222	28	6	.2	441	8.2	BR
8	(D-8-3) 1cad-S1	(D-8-3) 1cca	8-22-66	52	-	66	18	6.9	1.2	250	0	36	8.5	-	-	-	260	238	33	6	.2	455	8.0	BR
9	(D-8-3) 1cbb-S1	(D-8-3) 1cbb	8-22-66	50	-	52	17	6.9	1.6	208	0	33	8.9	-	-	-	236	200	29	7	.2	406	8.2	BR
10	(D-8-3) 2abc-1	(D-8-3) 2abc	3-23-57	42	8.0	51	22	4.5	3.0	240	0	22	5.0	.1	2.2	.04	2/231	218	21	4	.1	415	7.9	GS
11	(D-8-3) 2acb-S1	(D-8-3) 2acb	8-26-65	53	10	59	25	4.8		266	0	35	2.9	-	0	-	286	248	30	4	.1	483	7.8	GS
12	(D-8-3) 3cad-S1	(D-8-3) 3dbc	8-22-66	55	-	83	33	20	2.3	333	0	87	21	-	-	-	453	345	72	11	.5	710	7.9	BR
13	(D-8-3) 3dbb-S1	(D-8-3) 3dbb	8-22-66	49	-	90	25	21	3.5	320	0	82	20	-	-	-	444	326	64	12	.5	696	7.7	BR
14	(D-8-3) 4ca-S	(D-8-3) 4caa	8- 6-64	60	18	103	28	27		378	0	57	22	-	34	-	477	370	60	14	.6	756	7.5	GS
15	(D-8-3) 9d-S	(D-8-3) 9acc	8-25-66	59	-	49	45	49	5.1	314	0	102	43	-	-	-	499	309	52	25	1.2	782	8.1	BR
16	(D-8-3) 17caa-S1	(D-8-3) 17caa	10- 5-65	54	31	88	61	52		508	0	96	38	-	17	-	629	470	53	19	1.0	1,010	8.0	GS
17	(D-8-3) 20bdb-S1	(D-8-3) 20bdb	11- 5-65	54	37	76	58	73		454	0	111	52	-	29	-	644	426	54	27	1.5	1,040	8.0	GS
18	(D-8-3) 23dbc-1	(D-8-3) 23dbc	10-19-65	54	10	58	35	5.3		287	0	50	8.9	-	.1	-	317	288	53	4	.1	544	8.2	GS
19	(D-8-3) 30dda-S1	(D-8-3) 30dda	10-29-65	54	33	80	69	71		522	0	115	50	-	23	-	682	483	55	24	1.4	1,110	7.9	GS
20	(D-8-4) 7-S and 8-S	Mapleton City	12-29-59	-	6.0	54	13	3.0	0	204	2.0	10	7.5	.1	.5	.05	3/201	189	22	3	.1	336	8.2	DH
21	(D-9-1) 25a-S	(D-9-1) 25ada	5-27-64	57	16	75	26	34		346	0	43	23	-	11	-	390	296	12	20	.9	640	7.7	GS
22	(D-9-2) 11d-S	(D-9-2) 11dad	5-27-64	55	22	83	35	55		416	0	70	34	-	9.7	-	512	350	9	26	1.3	825	7.6	GS
23	(D-9-2) 27cda-S1 (D-10-2) 3ada-S1 3da-S 11cad-S1 and 11dca-S1	(D-9-2) 21bdd	4-28-65	-	19	81	25	13	1.7	324	0	51	14	.4	1.2	.03	360	306	40	8	.3	594	7.6	GS

Table 7.--Chemical analyses of water from selected springs, tunnels, and mines - Continued

Number in table 6	Location of source	Location of sampling site	Date of collection	Temperature (°F)	Parts per million: Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH	Agency making analysis
					SOUTHERN UTAH VALLEY - Continued																			
24	(D-9-2) 29-S	(D-9-2) 30dad	7- 6-60	-	-	39	30	6.4	2.0	214	7.8	33	8.5	-	-	0.22	219	218	30	6	0.2	415	8.4	BR
25	(D-9-2) 33-S	(D-9-2) 29dac	4-28-65	52	6.8	55	23	4.2	.5	261	0	17	2.7	0.2	0.4	.02	4/ 237	231	17	4	.1	420	8.0	GS
26	(D-9-2) 36dc-S	(D-9-2) 36dcd	6-13-66	48	8.0	90	20	2.8		315	0	42	9.0	-	.1	-	345	308	50	2	.1	560	8.2	GS
27	(D-9-3) 8acb-S1	(D-9-3) 8acb	11- 9-65	49	10	65	22	8.3		281	0	26	7.9	-	.9	-	275	251	21	7	.2	483	7.7	GS
28	(D-9-3) 8cab-1	(D-9-3) 8cab	11- 9-65	55	9.5	63	33	9.7		289	0	60	9.0	-	.1	-	319	291	54	7	.2	551	7.9	GS
29	(D-9-3) 12bda-S1	(D-9-3) 12bda	4-29-65	55	9.7	143	30	38	2.7	285	0	258	55	.5	.3	.05	5/ 690	480	246	15	.8	977	7.6	GS
30	(D-9-3) 17-S	(D-9-3) 17bbd	4-28-65	48	7.7	51	20	4.4	.6	236	0	23	4.5	.2	.3	.01	216	210	16	4	.1	390	7.6	GS
31	(D-9-3) 17cc-S	(D-9-3) 18dda	11- 9-65	50	7.7	56	22	7.2		266	0	20	4.6	-	.5	-	238	230	12	6	.2	445	7.9	GS
32	(D-9-4) 18baa-S1	(D-9-4) 18baa	10-20-67	104	30	469	80	1,680	10	542	0	1,400	2,320	3.6	4.8	1.4	6/ 6,360	1,500	1,060	69	19	9,480	7.9	GS
33	(D-10-1) 13dcd-S1 24aaa-S1 (D-10-2) 19bbc-S1 and 32abb-S1	(D-10-1) 12cdb	12-29-59 4-29-65	- 47	8.0 7.4	57	18	4.2	.8	240	0	24	2.5	.4	.5	.04	7/ 244	217	20	4	.1	392	7.9	GS
					GOSHEN VALLEY																			
34	(C-10-1) 36dcb-S1	(C-10-1) 36dcb	12-29-59 4-27-65	- 66	38 53	127 122	43 44	106 129	10	243 245	0.6 0	128 147	270 274	0.3 -	1.1 32	0.1 -	8/ 1,017 952	491 485	293 284	31 37	2.1 2.6	1,430 1,440	7.6 7.5	DH GS
35	(C-10-2) 15ddd-1	(C-10-2) 15ddd	5-10-66 6-16-66	130 130	- 35	308 327	70 75	1,931 1,930	246 180	608 646	0 0	319 404	3,362 3,310	- 2.2	- 2.5	- 4.7	6,770 9/ 6,610	1,058 1,120	558 595	75 76	26 25	11,100 10,900	7.6 8.0	BR GS
36	(C-11-1) 30acb-S1	(C-11-1) 30acb	11- 5-65	48	42	71	16	24		229	0	25	56	-	4.0	-	361	243	55	18	.7	577	8.0	GS
37	(C-11-2) 3ad-S	(C-11-2) 2ddd	8-26-65	72	39	73	14	27		252	0	35	38	-	0	-	380	238	31	20	.8	571	7.6	GS
38	(C-11-2) 22aac-S1	(C-11-2) 22aac	8-26-65	52	19	75	41	39		354	0	95	38	-	0	-	504	357	67	19	.9	800	7.9	GS
39	(C-11-2) 26da-S	(C-11-2) 23add	8-26-65	66	48	60	13	26		232	0	14	38	-	0	-	336	202	12	22	.8	503	7.9	GS
40	(D-7-1) 26c-S	(D-7-1) 26c	1-27-60	10/	-	276	114	1,840	159	610	15	700	2,912	-	-	2.3	6,644	1,156	656	75	23.5	10,452	7.8	BR
41	(D-8-1) 3dda-S1	(D-8-1) 3dda	5-27-64 6-16-66	87 89	22 21	457 451	114 136	1,820 1,510	159	756 751	0 0	953 940	2,800 2,530	- 2.8	12 2.4	- 1.7	6,550 11/ 6,140	1,610 1,680	990 1,070	71 63	20 16	9,490 9,340	7.0 7.6	GS GS
42	(D-10-1) 8c-S	(D-10-1) 8cab	5-27-64 6-15-66	70 70	18 17	84 87	41 40	356 343	19	316 314	0 0	102 115	558 540	- 1.2	2.2 2.1	- .2	1,320 12/ 1,320	380 382	121 125	67 65	7.9 7.7	2,310 2,320	7.3 7.8	GS GS

1/ Analysis includes 0.00 ppm iron.
2/ Analysis includes 0.03 ppm iron.
3/ Analysis includes 0.1 ppm iron, and 0.05 ppm manganese.
4/ Analysis includes 0.00 ppm manganese.
5/ Analysis includes 0.01 ppm iron.
6/ Analysis includes 1.5 ppm bromine, 0.08 ppm iodine, and 1.3 ppm lithium.
7/ Analysis includes 0.01 ppm iron.
8/ Analysis includes 0.10 ppm iron, and 0.00 ppm manganese.
9/ Analysis includes .94 ppm manganese.
10/ Temperatures of water from springs on Bird Island range from 75° to 86°F as reported by U.S. Bureau of Reclamation.
11/ Analysis includes 0.02 ppm lead, 1.7 ppm lithium, 0.01 ppm silver, 11 ppm strontium, and 0.03 ppm zinc.
12/ Analysis includes 0.00 ppm lead, 0.13 ppm lithium, 0.00 ppm nickel, 0.02 ppm silver, 1.3 ppm strontium, and 0.03 ppm zinc.

Table 8.--Use of spring water by municipalities, 1959-66

Municipality: See table 6 for measurements of discharge of springs used by Goshen and Salem, which are the only other municipalities using springflow but which are not included in this table.
Water used: Amounts are based on records of the municipalities and the Utah Department of Natural Resources, Division of Water Rights. Number in parentheses is total flow of the spring or springs.

Municipality	Name and location	Year	Water used, in acre-feet													Remarks
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	
								SOUTHERN UTAH VALLEY								
Mapleton	Mapleton City Springs (D-8-4)7-S 8-S	1965	-	-	-	-	-	33	67	52	41	24	12	-	-	Discharge measured by total-flow meter in (D-8-3)12dcc. Totals for June and November are for 15 days.
Payson	Payson City Springs (D-9-2)27cda-S1 (D-10-2)3ada-S1 3da-S 11cad-S1 11dca-S1	1962	-	-	-	-	-	16	35	86	68	62	45	44	-	Discharge measured by total-flow meter in (D-9-2)21bdd. Totals for June 1962 and June 1965 are for 23 and 21 days, respectively.
		1963	56	36	48	49	87	88	84	58	55	55	48	42	706	
		1964	52	50	53	56	73	85	97	78	65	67	48	49	773	
		1965	55	40	46	66	94	68	-	-	-	-	-	-	-	
		1966	-	46	65	93	107	129	98	73	75	79	50	60	-	
Santaquin	Santaquin City Springs (D-10-1)13dcd-S1 24aaa-S1 (D-10-2)19bbc-S1 32abb-S1	1965	-	-	-	-	-	-	-	-	-	-	-	-	1,212	Discharge determined by city officials. See table 6 for discharge measurements by U.S. Geological Survey in (D-10-1)12cdc.
Spanish Fork	Cold Springs (D-9-3)12bda-S1	1963	62	75	89	89	162	176	288	238	140	135	77	87	1,618	Discharge measured by total flow meter in (D-8-3)34bad.
		1964	141	145	93	104	152	152	281	238	173	160	115	107	1,861	
		1965	92	82	98	123	185	208	254	218	104	142	97	85	1,688	
		1966	86	72	135	190	229	274	310	259	151	97	78	72	1,953	
Spring Lake	Picayune Canyon Springs (D-9-2)33-S	1965	-	-	-	-	-	-	-	-	-	-	-	-	23	Discharge determined by municipal officers from metered use of individual users; reported not flowing from near end of 1961 to near end of 1962.
	Spring Creek Springs (D-7-3)35dbd-S1	1959	45	158	182	185	187	160	194	205	201	185	154	140	1,996	Discharge measured using weir and total flow in meter in (D-7-3)35cca.
		1960	162	122	160	166	176	177	190	213	199	193	184	152	2,094	
		1961	40	124	209	180	186	184	203	175	186	182	159	128	1,956	
		1962	129	91	101	137	210	287	318	328	278	255	225	267	2,626	
		1963	352	206	115	-	-	-	-	290	250	273	269	230	-	
		1964	217	196	211	204	260	318	353	353	342	360	294	270	3,378	
		1965	263	246	231	254	312	293	330	371	344	379	342	372	3,737	
		1966	319	331	240	394	369	716	353	312	325	282	232	275	4,148	
Springville[1/]	Bartholomew Springs (D-7-4)7-S 8-S	1959	54	57	54	74	383	437	154	158	117	100	86	86	1,760	Discharge measured by total flow meter in (D-8-4)6aba.
		1960	80	62	95	265	524	347	213	178	130	114	38	72	1,118	
		1961	66	83	66	61	161	176	92	88	70	69	58	49	1,039	
		1962	3	0	2	40	70	59	51	34	17	13	13	6	308	
			(49)	(45)	(51)	(300)	(536)	(482)	(396)	(244)	(185)	(157)	(112)	(105)	(2,662)	
		1963	4	3	1	3	28	32	19	1	0	3	3	2	99	
			(77)	(72)	(74)	(109)	(448)	(562)	(328)	(202)	(144)	(126)	(102)	(74)	(2,318)	
		1964	10	9	9	9	20	46	26	1	6	4	18	14	145	
			(83)	(75)	(70)	(77)	(375)	(556)	(464)	(236)	(176)	(149)	(114)	(103)	(2,478)	
		1965	4	6	10	13	40	41	61	28	24	4	4	6	241	
			(102)	(71)	(104)	(210)	(544)	(560)	(775)	(335)	(230)	(183)	(146)	(124)	(3,384)	
		1966	6	5	24	5	48	27	0	1	0	22	87	9	234	
			(100)	(64)	(58)	(205)	(435)	(453)	(245)	(167)	(138)	(122)	(93)	(66)	(2,146)	
	Burt Springs (D-8-3)1cac-S1	1959	0	0	0	7	0	2	15	5	1	0	0	0	30	Discharge measured using weir and total flow meter in (D-8-3)1cbd.
			(188)	(177)	(220)	(182)	(191)	(179)	(157)	(122)	(112)	(134)	(179)	(136)	(1,977)	
		1960	0	0	0	0	6	13	48	43	20	4	3	2	139	
			(224)	(180)	(191)	(216)	(218)	(169)	(130)	(109)	(90)	(120)	(196)	(204)	(2,047)	
		1961	26	7	46	17	30	68	98	30	13	4	32	43	414	
			(242)	(211)	(212)	(245)	(229)	(189)	(154)	(117)	(111)	(118)	(224)	(253)	(2,305)	
		1962	76	69	88	96	103	111	88	142	54	3	1	2	833	
			(373)	(342)	(292)	(304)	(310)	(272)	(272)	(240)	(200)	(200)	(215)	(228)	(3,248)	
		1963	14	10	3	2	2	6	2	2	0	10	9	1	61	
			(294)	(212)	(224)	(227)	(245)	(271)	(235)	(192)	(172)	(163)	(221)	(283)	(2,739)	
		1964	0	10	3	0	0	0	0	0	0	0	0	0	13	
			(183)	(218)	(214)	(198)	(263)	(289)	(298)	(258)	(96)	(257)	(252)	(223)	(2,749)	
		1965	0	0	0	0	0	0	0	0	0	0	0	0	0	
			(232)	(216)	(296)	(302)	(327)	(305)	(332)	(279)	(269)	(261)	(353)	(261)	(3,433)	
								GOSHEN VALLEY								
Elberta	Jameson Spring (C-10-2)15adc-S1	1964	-	-	-	-	-	-	-	-	-	-	-	-	1.5	Discharge determined by subtracting metered use of well water from total metered use of water from well (C-10-1)17aaa1, and spring.
Genola	Santaquin City Springs (D-10-1)13dcd-S1 24aaa-S1 (D-10-2)19bbc-S1 32abb-S1	1959	-	-	-	-	-	-	-	-	-	-	-	-	171	Discharge reported by municipal officals and measured in (D-9-1)34cac.
		1960	-	-	-	-	-	-	-	-	-	-	-	-	161	
		1962	-	-	-	-	-	-	-	-	-	-	-	-	161	
		1963	-	-	-	-	-	-	-	-	-	-	-	-	161	

1/ Springville has rights to 4.00 cfs (cubic feet per second) of water from Bartholomew Springs, 1.85 cfs from Burt Springs, and all the water from Spring Creek Springs and Konold Tunnel. (See table 6 for discharge of Konold Tunnel.) All springflow in excess of the first rights is used for irrigation. The totals for Spring Creek Springs include overflow and the water that enters the city's culinary-water system; neither of these amounts if measured separately, but the amount of overflow is estimated to be about 50 percent of the total springflow.

Table 9.--Discharge measurements of selected streams and drains

Location of measured section	Name or type of source	Date of measurement	Discharge (cfs)	Temperature (°F)
SOUTHERN UTAH VALLEY				
(D-7-2)25cdd	Drain	1-17-66	0.20	-
25dcb	Packard Drain	4-13-64	9.15	-
		12- 1-64	11.17	-
34ddc	Drain	12- 1-64	1.18	-
		12-29-66	2.05	-
36dcc	Dry Creek	12- 1-64	16.55	-
		12-29-66	13.84	-
(D-7-3)19aac	Spring Creek	2- 1-64	22.29	-
		4-13-64	17.93	-
		10-25-65	24.84	56
19dda	do	4-13-64	12.31	-
		10-25-65	9.49	-
		5-17-66	16.02	-
29aab	do	5-17-66	5.65	65
		10- 4-66	4.00	58
		12-14-66	6.37	51
29dda	Springville 4th North Drain	10-26-65	3.66	56
		5-17-66	3.42	53
		10- 4-66	2.35	58
		12-14-66	2.74	55
30acc	Hobble Creek	12- 1-64	16.29	-
30cdd	Packard Drain	1-17-66	5.88	-
30dbb	Hobble Creek	4-13-64	32.74	-
(D-8-1)23aba	Benjamin Slough	12- 1-64	21.30	-
25abd	do	12-22-64	33.57	-
(D-8-2)4cbc	Drain	12-29-66	.29	-
7add	do	4-13-64	2.95	-
		12- 1-64	1.28	-
(D-8-2)7dcc	Drain	1-16-66	0.27	-
8ccc	do	1-16-66	.88	-
25ddd	do	9-30-66	1.08	-
		12-20-66	1.30	-
32aad	Beer Creek	4-21-64	12.78	-
		12- 2-64	12.12	-
(D-8-3)12cda	Maple Creek	10-27-65	1.91	-
		2-17-66	.80	-
		5-24-66	3.25	-
		7-21-66	1.70	-
		8-30-66	.70	-
		10-14-66	.92	50
		12-14-66	.42	45
(D-9-1)12bdd	Dry Hollow	12- 2-64	.11	-
(D-9-2)3bca	Beer Creek	12- 2-64	9.47	-
3bcd	do	4-21-64	9.06	-
6bcb	Spring Creek	4- 4-64	8.29	-
		12- 2-64	4.24	-
21bad	Peteetneet Creek	2-17-66	2.47	-
		6- 2-66	16.07	-
		7-21-66	8.45	-
		8-30-66	6.40	-
		10- 6-66	3.94	-
(D-10-1)12cad	Summit Creek	4-14-64	6.10	-
		12- 2-64	5.15	-
		11- 8-65	5.50	-
		2-17-66	4.20	38
		6- 3-66	10.02	54
		7-21-66	3.38	-
		8-30-66	2.70	-
		10- 6-66	5.37	48
		12-20-66	5.03	36
GOSHEN VALLEY				
(C-10-1)2adc	Drain	12- 2-64	3.10	-
26dab	Currant Creek	12- 2-64	2.38	-
		2-18-66	1.59	-
		6- 6-66	21.64	-
		7-20-66	33.2	-
		8-31-66	10.2	-
(C-10-1)26dab	Currant Creek	10- 6-66	12.55	58
		12-21-66	1.59	40
(C-11-1)9abb	Crooked Creek	11- 3-65	none	-
17bbb	Slate Jack Creek	11- 3-65	none	-

Table 10.--Chemical analyses of water from selected surface-water sources

[Analyses by U.S. Bureau of Reclamation]

Discharge: Daily mean except for Currant Creek which is instantaneous and which is assumed to be the daily mean in calculating tons per day of dissolved solids; Tr, trickle.
Dissolved solids: Residue on evaporation at 105°C.

Location	Name	Date of collection	Discharge (cfs)	Parts per million								Dissolved solids			Hardness as $CaCO_3$ (ppm)	Noncarbonate hardness as $CaCO_3$ (ppm)	Percent sodium	Sodium-adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH
				Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Parts per million	Tons per acre-foot	Tons per day						
SOUTHERN UTAH VALLEY																				
(D-8-4) 6abb	Hobble Creek	4-19-66	58	68	-	6.0	0.8	160	0	40	6.7	209	0.28	327	169	38	7.1	0.2	337	8.2
		8- 8-66	11	52	12	8.0	1.2	170	0	46	8.5	246	.33	73	180	40	8.8	.3	396	8.1
(D-9-3) 12dbc	Spanish Fork	2-11-60	59	79	25	70	4.3	277	13	92	77	533	.72	849	299	50	33.2	1.8	881	8.3
		6- 2-60	419	41	19	17	1.9	199	0	36	14	251	.34	2,840	180	17	17.2	.6	413	7.8
		8-31-60	147	48	22	25	2.3	172	16	65	24	258	.35	1,030	211	44	20.4	.8	465	8.6
		12- 8-60	35	71	27	77	5.5	241	8.1	118	91	537	.73	508	288	76	36.3	2.0	894	8.3
(D-10-1) 13bab	Summit Creek	5-11-59	14	39	15	3.2	.4	162	5.4	15	5.3	1/177	.24	67	157	16	4.3	.1	309	8.4
		9-23-59	4.9	46	18	2.3	.4	190	5.1	22	3.2	188	.26	25	187	22	2.6	.1	349	8.0
(D-10-2) 3dd	Peteetneet Creek	4-16-62	47	58	13	5.7	1.6	201	9.9	20	6.7	230	.31	292	197	16	5.9	.2	369	8.6
		8- 2-62	6.3	30	12	9.6	3.5	154	4.5	5.8	8.2	197	.27	34	126	-	13.9	.4	300	8.5
GOSHEN VALLEY																				
(D-9-1) 18cad	White Lake	6-29-64	Tr2/	66	378	3,782	274	463	120	2,777	4,839	12,200	16.59	-	1,720	1,340	80	39.6	17,900	8.8
(D-11-1) 7bac	Currant Creek	6- 1-64	75	82	58	210	7.0	231	11	210	342	1,060	1.44	2,150	443	254	50	4.3	1,770	8.3
		9-25-64	15	45	47	72	6.6	281	0	94	100	494	.67	198	304	74	33	1.8	886	8.0

1/ Analysis includes 0.15 ppm boron.
2/ Measured at outlet (D-9-1)18cad.

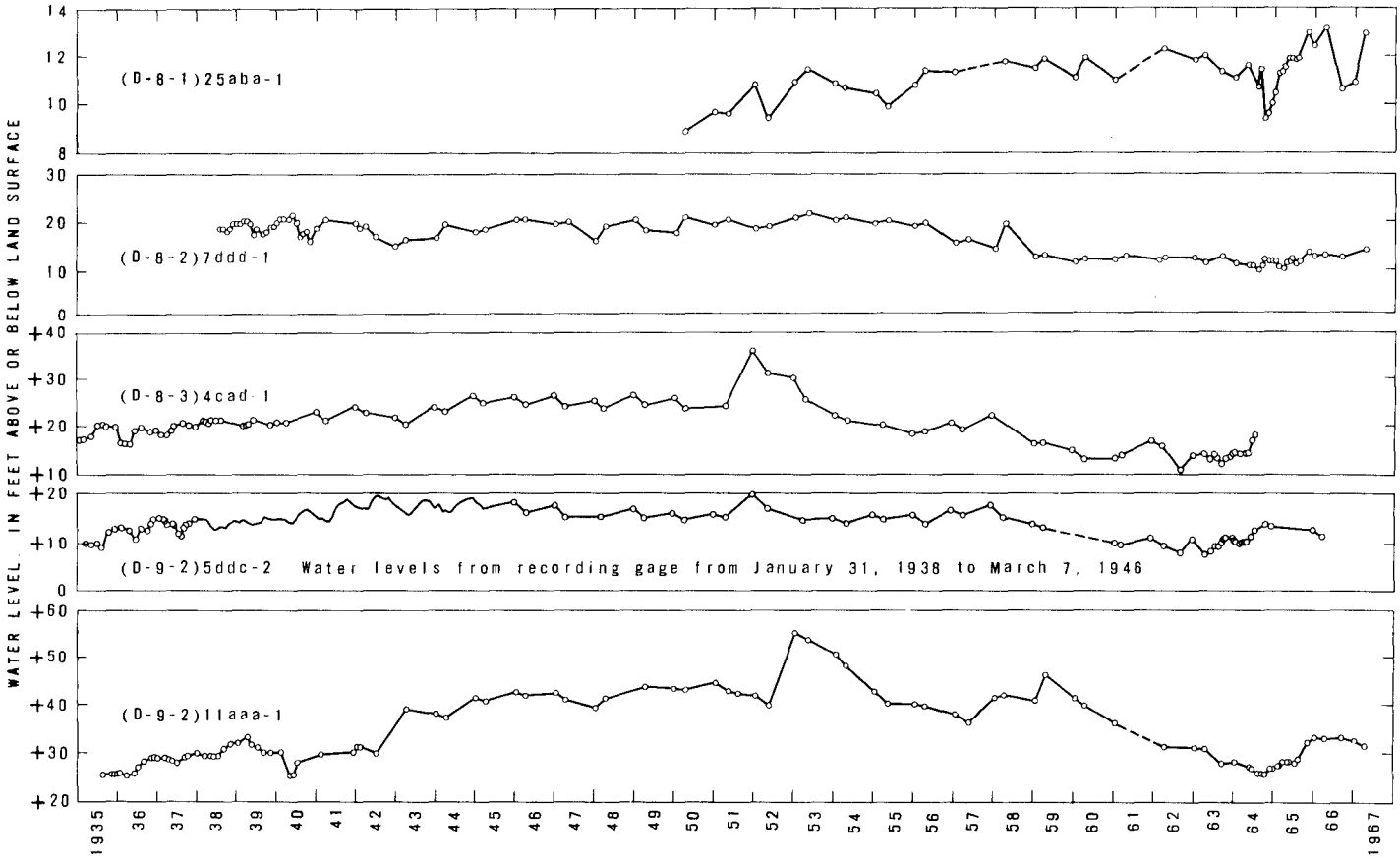

Figure 2.—Hydrographs of water levels in selected observation wells.