SOUTH DAKOTA STATE GEOLOGICAL SURVEY

and

SOUTH DAKOTA STATE WATER RESOURCES COMMISSION

Water Resources Report No. 1

DATA ON WELLS AND TEST HOLES, AND CHEMICAL ANALYSIS OF GROUND WATER IN THE LAKE DAKOTA PLAIN AREA BROWN, MARSHALL, AND SPINK COUNTIES SOUTH DAKOTA

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INTRODUCTION

Data contained in the following tables were collected by the Ground Water Branch, U. S. Geological Survey in connection with their investigation of the glacial Lake Dakota Plain area in South Dakota. The investigation was financed from funds made available by the U. S. Congress for investigations of ground-water supplies in the Missouri Basin.

Records of 1,412 wells and test holes and 3 springs are presented in Table A. Measurements of the diameter and depth of the wells and of the depth to water were made if convenient; the other information generally was obtained by interviewing the owners, operators, or drillers of the wells.

Of the 258 observation wells for which water-level measurements are given in Table B, 67 were installed specifically for this investigation, 91 were installed for the study of the Oahe unit as originally proposed, 20 were installed for the study of the Crow Creek-Sand Lake area in Brown and Marshall Counties, and 80 were privately owned. The Bureau of Reclamation drilled 43 of the wells that were installed specifically for this investigation and the U. S. Geological Survey drilled the remaining 24 for observation purposes. Recording gages were used to obtain continuous measurements of water-level fluctuations in seven of the wells; noon readings at 5- or 6-day intervals are given for these wells. The periodic measurements of the water level in all the other wells were made with a steel tape.

A report of the Lake Dakota Plain investigation including text and minor tables will be published as a Water-Supply Paper by the U. S. Geological Survey. The report will be entitled "Geology and Ground-Water Resources of the Lake Dakota Plain Area, South Dakota," by W. B. Hopkins and L. R. Petri. Information concerning availability of the report can be obtained from the following agencies: South Dakota State Geological Survey, Science Center, University of South Dakota, Vermillion, S. Dak.; South Dakota Water Resources Commission, State Office Building, Pierre, S. Dak.; and U. S. Geological Survey, Room 9, Federal Building, Huron, S. Dak.

Table A.--Record of wells and test holes

Well number: See text for explanation of well-numbering system.

Owner or tenant: S.D.G.S., South Dakota Geological Survey; U.S.B.R., U. S. Bureau of Reclamation; U.S.G.S., U. S. Geological Survey.

Type of well or test hole: B, bored; Dn, driven; Dr, drilled; Du, dug; J, jetted; S, spring.

Depth of well or test hole: Reported depths are given in feet below land surface; measured depths are given in feet and tenths below land surface.

Type of casing: C, concrete, brick, or other masonry lining; N, none; P, iron, steel, or copper pipe; T, clay tile pipe; W, wood.

Geologic source: Kd, Dakota sandstone; Kg, Graneros shale; Kp, Pierre shale; Qal, alluvium; Qd, delta deposits; Qgd, undifferentiated glacial deposits; Qld, Glacial Lake Dakota sediments.

Method of lift: A, air lift; C, centrifugal pump; Cy, cylinder pump; F, natural flow; J, jet pump; N, none; P, pitcher pump; Su, suction pump; T, turbine pump.

Type of power: E, electric; G, gasoline engine; H, hand operated; N, none; Tr, tractor; W, windmill.

Use: AT, aquifer test; D, domestic; I, irrigation (principally for garden); In, industrial; N, none; O, observation of water level; P, public supply; RR, railroad; S, stock.

Measuring point: Bp, base of pump; L, land surface; Tca, top of casing or curb; Tco, top of cover; Tn, top of pipe nipple; Trp, top of recorder platform.

Depth to water: Reported depths are given in feet above (+) or below land surface; measured depths are given in feet and tenths or in feet, tenths, and hundredths above (+) or below measuring point.

Flow: F, natural flow in gallons per minute (e, estimated; m, measured; r, reported); Fr, flow reduced; Fs, slight flow; Fu, rate of flow undetermined; Fx, formerly flowed at land surface.

Remarks: Ca, chemical analysis in table ; Cp, casing perforated; D, well destroyed; Fc, well capped; L, log given in table ; 1st or 2d flow, water reported to come from first or second permeable zone of Dakota sandstone; Rg, recording gage in operation on well; Sp, sand point; Wci, water contains iron; Wcs, water contains sand; Wl, water-level measurements in table ; Wscs, water sometimes contains sand; Wso, water has sulfurous odor; Wst, water sometimes turbid; Wt, water is turbid; Wts, water is turbid during storms.

Well number	Owner or tenant	Year installed	Type of well or test hole	Depth of well or test hole (feet)	Diameter of casing (inches)	Type of casing	Geologic source	Method of lift	Type of power	Use	Measuring point	Distance of measuring point above or below (-) land surface (feet)	Depth to water (feet)	Flow (gallons per minute)	Date of measurement or visit	Temperature of water (°F)	Remarks
Brown County																	
121-60- 2ab1	H. Piggers.....	1952	Dr	1,072	.....	P	Kd	....	E	D	...	....	.....	.....	11-28-55	49	Ca; Cp,958 to 1,072 ft.
- 4bb1	.....	....	Du	.....	36	P	Qgd	Cy	H	O	Tco	1.5	8.37	.....	8-23-55	..	Wl
- 5ab1	Hitchcock.....	....	Dr	870	[illegible]	P	Kd	F	N	D,S	...	....	.....	F1.5e	8-23-55	..	R,1953
- 6baba1	U.S.B.R.....	1955	Dr	45.1	1	P	Qgd	N	N	O	Tca	3.7	15.37	.....	6-23-55	..	L; Wl
- 6cb1	L. Hitchcock.....	....	Dr	.....	[illegible]	P	Kd	F	N	D,S	...	....	.....	Fu	8-23-55	..	R,1954
- 6da1	R. Hoops.....	....	Dr	900+	.....	P	Kd	F	N	D,S	...	....	.....	F.5e	8-16-55	..	
- 8ab1	Grieben Bros.....	1950	Dr	960	2	P	Kd	F	N	D,S	...	....	.....	F25r	1950	..	
														F15r	8-23-55	..	
- 8bb1	P. Linse.....	....	Dr	919	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-23-55	..	R,1947
- 8dc1	A. Sombke.....	....	Dr	900+	1	P	Kd	F	N	D,S	...	....	.....	Fu	8-23-55	..	
- 9ba1	Grieben Bros.....	....	Du	10	60	P	Qgd	Cy	Tr	S,O	Tco	2.1	8.50	.....	8-23-55	54	Wl
- 9bb1	.....do.....	....	Dr	960	[illegible]	P	Kd	F	N	D,S	...	....	.....	Fu	8-23-55	..	R,1955
-17ab1	M. Hitchcock.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F3.0m	8-23-55	59	
-17bb1	F. Ball.....	....	Dr	1,050	[illegible]	P	Kd	F	N	D,S	...	....	.....	Fu	8-23-55	..	
-17cd1	.....	....	Dr	.....	[illegible]	P	Kd	F	N	S	...	....	.....	Fu	8-23-55	..	
-18cc1	.....	....	Dr	.....	[illegible]	P	Kd	F	N	D,S	...	....	.....	Fu	8-23-55	..	

Table A.--(continued)

Brown County--Continued

121-60-19aa1	.....	....	Dr	.....	3/4	P	Kd	F	N	S	...	....	.....	F2.1m	8-23-55	63	
-20cb1	H. Ball.....	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-23-55	54	
-21ad1	E. Hite.....	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-23-55	..	
-27cc1	A. Hite.....	....	Du	.....	.....	....	Qgd	Cy	H	S,O	Tco	0.7	8.7	.....	8-23-55	51	Ca; W1
-28aa1	Mrs. I. Haywood.....	....	Du	31.7	24	W	Qgd	Cy	W	S	Tca	1.7	26.10	.....	8-23-55	48	Ca; L
-28aa2	.....do.....	....	Du	31.7	36	P	Qgd	Cy	E	D,O	Tca	2.0	24.5	.....	8-23-55	..	Ca; W1
-28cd1	M. Klemensen.....	....	Du	40	36	W	Qgd	Cy	G	D,S	Tco	1.4	20.38	.....	8-23-55	48	Ca
-29bc1	H. Stange.....	....	Dr	.....	3/4	P	Kd	F,J	....	D,S	...	....	.....	Fs	8-23-55	..	
-31cd1	Town of Verdon.....	1910	Dr	960	1 1/4	P	Kd	F	N	P	...	....	.....	F5e	8-23-55	..	R,1945
-33ab1	McGillevary.....	....	Du	22.0	.....	C	Qgd	Cy	W	O	Tco	1.8	16.1	.....	8-23-55	..	W1
-33dc1	H. Stange.....	....	Du	21.1	.....	....	Qgd	N	N	O	Tco	1.5	18.33	.....	8-23-55	49	W1
-61- 1da1	A. Sombke.....	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-19-55	..	R,1952
- 2bb1	R. Reinhardt.....	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	F3e	8-19-55	57	Recased
- 3aa1	O. Rossow.....	1903	Dr	900	.....	P	Kd	F,J	....	D,S	...	....	+15	F.5m	1954	..	
														F.5e	8-19-55	..	
- 4aa1	W. McKiver.....	....	Dr	960	3/4	P	Kd	F,J	....	D,S	...	....	.....	Fs	8-19-55	..	R,1946
- 4bb1	G. Stange.....	1945	Dr	1,040	1 1/2	P	Kd	F	N	D,S	...	....	.....	F16r	1945	..	Cp,979 to 1,040 ft;
														F5e	8-19-55	60	L
- 5aa1	.....do.....	1919	Dr	940	1 1/4	P	Kd	F	N	D,S	...	....	.....	F1e	8-19-55	..	R,1949
- 5aa2	.....do.....	1904	Dr	.....	1 1/4	P	Kd	F	N	S	...	....	.....	F.5e	8-19-55	..	
- 5bbaa1	U.S.B.R.....	1955	Dr	40.0	4	P	Qld	N	N	O	Trp	2.1	19.37	.....	5-23-55	..	L; Rg; W1
- 6aa1	D. Carmine.....	....	Dr	.....	3/4	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-19-55	..	R,1949
- 6bb1	G. Strom.....	1905	Dr	900+	1 1/2	P	Kd	F	N	D,S	...	....	.....	Fu	8-19-55	..	
- 7aaaa1	Gensmer.....	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	Fu	6-23-55	..	
- 7bb1	C. Schley.....	1945	Dr	1,215	2	P	Kd	F	N	D,S	...	....	.....	F15r	1945	..	Ca; Cp,1,046 to
														F5e	8-18-55	62	1,088 ft; L; 2d flow.
- 8dd1	G. Saunders.....	1900	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	F5e	8-19-55	..	
-10cc1	W. Schaller.....	....	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	Fs	8-19-55	..	
-10da1	D. Erdmann.....	....	Dr	1,001	3/4	P	Kd	J	....	D,S	...	....	.....	.....	8-19-55	..	Cp,974 to 996 ft; R,1951.
-10dd1	W. Luedeke.....	....	Dr	.....	3/4	P	Kd	J	....	D,S	...	....	.....	.....	8-19-55	..	
-12bb1	.....	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-19-55	..	
-13bbbb1	U.S.G.S.....	1956	J	21.0	3/4	P	Qld	N	N	O	Tca	4.4	15.12	.....	8-28-56	..	L; W1
-13cc1	H. Kruger.....	1904	Dr	904	.....	P	Kd	J	....	D,S	...	....	.....	.....	8-19-55	..	R,1946
-13cc2	.....do.....	....	Du	65	.....	W	Qgd	J	E	D	...	....	.....	.....	8-19-55	..	Ca; pumped dry once, recovered overnight.
-15aa1	C. Kruger.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2e	8-19-55	..	
-16bbba1	U.S.G.S.....	1956	J	24.0	3/4	P	Qld	N	N	O	Tca	4.5	24.55	.....	8-28-56	..	L; W1
-19cd1	E. King.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	Fu	8-24-55	..	
-20cc1	C. Wendall.....	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	F1e	8-24-55	55	
-21bb1	E. King.....	....	Dr	.....	.....	P	Kd	F	N	N	...	....	.....	Fu	8-24-55	..	
-23cc1	K. Ellingson.....	....	Du	35	30	C	Qgd	Cy	H	D,S, O	Tca	1.4	30.0	.....	8-19-55	48	Ca; W1
-24bb1	L. Kruger.....	....	Dr	1,000+	1 1/4	P	Kd	F	N	D,S	...	....	.....	F2e	8-19-55	61	Supplies 2 homes.
-25ba1	J. Kolb.....	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-19-55	..	
-27ab1	C. Benson.....	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-19-55	60	
-27ba1	L. Benson.....	1951	Dr	1,023	1 1/4	P	Kd	F	N	D,S	...	....	.....	F20r	1951	..	
														F12e	8-19-55	54	
-27ba2	.....do.....	1903	Dr	890	3/4	P	Kd	F	N	N	...	....	.....	Fu	8-19-55	..	
-28ba1	R. Knickrehm.....	....	Dr	800+	1 1/4	P	Kd	F	N	D,S	...	....	.....	F5e	8-19-55	54	
-29bb1	E. King.....	....	Dr	960	2	P	Kd	F	N	D,S	...	....	.....	Fu	8-24-55	..	
-30aa1	.....do.....	....	Dr	1,000	2	P	Kd	F	N	D	...	....	.....	Fu	8-24-55	..	
-31cc1	A. Cowie.....	1918	Dr	.....	3/4	P	Kd	J	....	D,S	...	....	.....	.....	8-22-55	..	
-31ddcc1	U.S.B.R.....	1955	Dr	41.3	1 1/4	P	Qld	N	N	O	Tca	3.1	20.64	.....	8-30-55	..	L; W1
-32cc1	South Dakota Wheat Growers.	1930	Dr	975	1 1/4	P	Kd	F	N	D	...	....	.....	F.9m	8-22-55	..	
-32cc2	I. Cross.....	1915	Dr	930	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-22-55	..	Cp,914 to 930 ft.
-32dd1	E. King.....	1946	Dr	983	2	P	Kd	F	N	D,S	...	....	.....	F5m	8-22-55	54	L
-34bb1	.....	....	Dr	.....	1 1/2	P	Kd	F	N	N	...	....	.....	Fu	8-22-55	..	

Table A.--(continued)

Brown County--Continued

121-61-34cdl	O. Ott	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-24-55	..	R,1951
-34dd1	Ott Estate	1915	Dr	1,200	1¼	P	Kd	....	....	N	...	....	.....	.....	8-24-55	..	
-35aa1	Dunker and Paget	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fu	8-22-55	..	
-35dccc1	U.S.B.R.	1955	Dr	40.5	1¼	P	Qld	N	N	O	Tca	2.5	19.69	.....	7-29-55	..	L; W1
-62- 1bb1	F. Thiemann	....	B	28.5	24	W	Qld	Cy	H	O	Tco	.5	25.64	.....	6- 9-49	48	Ca; W1
- 2aa1	A. Schley	1948	Dr	1,176	.....	P	Kd	F	N	.....	...	....	.....	F15r	1948	..	Cp,1,114 to 1,176
														Fu	6- 8-49	..	ft; L
- 2aa3	.....do	....	Du	30	36	C	Qld	Cy	H	D	L	....	24	.....	6- 8-49	48	Ca; pumps dry easily.
- 3abbb1	U.S.B.R.	1955	Dr	37.9	1¼	P	Qld	N	N	O	Tca	3.6	28.34	.....	6-23-55	..	L; W1
- 4cb1	Town of Stratford	1909	Dr	998	4	P	Kd	F	N	P	...	....	+51	F92r	9-18-23	..	Cp,958 to 998
													+23	F30e	6- 9-49	..	ft.
- 8ab2	W. Jark	....	B	31	36	C	Qld	J	E	D,O	Tco	.0	26.27	.....	6- 6-49	..	Ca; W1
-17dddd1	U.S.G.S	1956	J	38.0	⅝	P	Qld	N	N	O	Tca	4.3	33.57	.....	8-28-56	..	L; W1
-24aaaa1	.....do	1956	J	35.7	⅝	P	Qld	N	N	O	Tca	4.2	27.38	.....	8-24-56	..	W1
-24ad1	E. Samuelson	1946	Dr	1,177	.....	P	Kd	F	N	.....	...	....	.....	F9r	1946	..	Ca; Cp,909 to 1,056
														F.5e	11-28-55	54	ft; L
-25da1	M. Rossow	....	Du	33.3	36	C	Qld	Cy	H	D,S	Tco	1.0	31.71	.....	6- 8-49	47	Ca
-35cccc1	U.S.G.S	1956	J	33.0	⅝	P	Qld	N	N	O	Tca	3.7	24.46	.....	7-26-56	..	L; W1
-63- 1abc1	O. Ellingson	1945	Dr	1,149	1¼	P	Kd	F	N	D,S	...	....	.....	F8r	1945	..	Ca; Cp,1,095 to
														F1e	6- 3-49	60	1,147 ft; L
-18dcc1	A. Rehfield	1947	Dr	915	2	P	Kd	F	N	D,S	...	....	.....	F11r	1947	..	Ca; L
														F2r	6- 4-49	50	
-23bba1	U.S.G.S	1956	J	36.0	1½	P	Qld	N	N	O	Tca	3.6	32.15	.....	8-23-56	..	L; W1
-33aaaa1	.....do	1956	J	36.0	⅝	P	Qld	N	N	O	Tca	3.9	26.96	.....	8-23-56	..	L; W1
-64- 3baaa1	U.S.B.R.	1955	Dr	35.9	1¼	P	Qld	N	N	O	Tca	4.1	17.16	.....	7-14-55	..	L; W1
- 3baab1	.....do	1951	Dr	45.0	1	P	Qgd	N	N	O	Tca	3.6	19.34	.....	2-11-52	..	Ca; L; W1
- 7aa1	C. Hanson	....	B	9.9	12	P	Qgd	N	N	N	Tca	-.8	7.88	.....	8- 5-49	54	Ca
- 7aa3	.....do	1956	Du	8.1	48	C	Qgd	N	N	O	Tca	1.1	5.09	.....	5-21-56	..	Ca; W1
-18ba1	E. Krause	1942	Du	12.6	24	C	Qgd	Cy	E	D,S	Tco	1.7	13.60	.....	8-10-49	51	Ca
-19ab2	E. Wiedebusch	1948	Du	11.1	36	W	Qld	C	E	S	Tca	3.1	13.60	.....	8-10-49	53	Ca
-19cb1	F. Borchard	....	Du	15.0	36	C	Qld	Cy	W	S	Tco	1.3	11.23	.....	8-10-49	52	Ca
-24bb1	E. Nilsson	....	Du	49.4	28	C	Qgd	Cy	H	O	Tca	1.4	31.28	.....	8- 9-49	..	W1
-32dc1	Chicago and North Western Railway.	....	Dr	.....	.....	P	Kd	F	N	RR	...	....	.....	F12m	11-28-55	62	Ca; 2d flow
-32dc3	Mansfield Water Co.	1950	Dr	1,145	2	P	Kd	F	N	P	...	....	.....	F45r	1950	..	Cp,1,045 to 1,145 ft; L
-33dddd1	U.S.B.R.	1948	B	24.0	1¼	P	Qld	N	N	O	Tca	1.1	8.68	.....	6-15-49	..	Ca; D; W1
-65- 1aaaa1	.....do	1951	Dr	256.0	1	P	Qgd	N	N	O	Tca	2.2	33.07	.....	2-11-52	..	Ca; L; W1
- 1aaaa2	.....do	1951	Dr	49.0	1	P	Qgd	N	N	O	Tca	2.2	14.95	.....	2-11-52	..	Ca; W1
- 1aaaa3	.....do	1951	Dr	19.0	1	P	Qgd	N	N	O	Tca	2.2	12.51	.....	2-11-52	..	W1
-12bb1	W. Krause	....	Du	34.5	12	P	Qgd	Cy	W	D,S	Tco	.9	32.78	.....	7-29-49	47	Ca
-12dc1	C. Rozell	1947	Du	7.1	23	P	Qgd	C	G	S	Tca	.8	5.22	.....	7-29-49	53	Ca
-14ad2	W. Ristau	....	Du	14.8	36	C	Qgd	C	G	S	Tco	1.1	12.23	.....	8- 1-49	48	Ca
-15cb1	O. Krause	1941	Du	24.6	36	W	Qgd	Cy	E	D,S,I	Tca	.9	23.04	.....	8- 4-49	47	Ca
-16ba1	R. Ristau	....	B,Dn	.....	1¼	P	Qgd	Cy	W	S	...	....	.....	.....	8- 1-49	47	Ca
-20ad2	V. Bierman	....	Du	15.6	24	W	Qgd	....	....	N	Tca	1.8	9.66	.....	8- 8-49	52	Ca; caving
-20da1	.....do	....	S	.....	.....	....	Qgd	F	N	S	...	....	.....	Fs	8- 8-49	..	Ca
-20dd1	.....do	....	S	.....	.....	....	Qgd	F	N	S	...	....	.....	F2.2e	8- 8-49	50	Ca
-27cc1	E. Kramer	....	Du	34.2	36	C	Qgd	Cy	W	N	Tco	.1	28.37	.....	7-29-49	46	Ca
-36dc1	F. Wiedebusch	1939	Du	11.6	34	W	Qld	Cy	W	S	Tco	1.6	10.49	.....	7-28-49	55	Ca; D
122-60- 5cb1	C. Brendemuehl	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fu	8-16-55	56	R,1953
- 6db1	L. Clocksene	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fu	8-16-55	56	R,1954
- 7aa1	R. Edwards	1950	Dr	1,023	2	P	Kd	F	N	D,S	...	....	.....	F20r	8-16-55	60	Cp,893 to 1,023 ft.
- 7aa2	.....do	1951	Du	18.5	20	C	Qld	Cy	H	N	Tca	.0	18.27	.....	8-16-55	..	D
-17ba1	I. Jacobson	....	Dr	1,100	¾	P	Kd	F	N	D,S	...	....	.....	F3e	8-16-55	61	
-19da1	J. Goldin	....	Dr	1,100	3	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-16-55	..	
-28cc1	W. Raecke	1903	Dr	900	1½	P	Kd	F	N	D,S	...	....	.....	Fs	8-16-55	..	
-30dd1	E. Bahr	1925	Dr	920	1¼	P	Kd	N	N	N	...	....	.....	Fx	8-16-55	..	
-30dd2	.....do	....	Du	16	36	P	Qld	J	E	S.O	Tca	1.3	10.45	.....	8-16-55	..	W1
-30dd3	.....do	....	Du	16	42	W	Qld	J	E	S,O	Tca	.5	8.10	.....	8-16-55	..	W1
-31cc1	Town of Ferney	1947	Dr	1,300	.....	P	Kd	F	N	P	...	....	.....	F5e	8-16-55	..	

Brown County--Continued

122-61- 1adddl	U.S.B.R.	1955	Dr	42.4	1¼	P	Qld	N	N	O	Tca	2.7	9.01	.....	6-23-55	..	L; Wl
- 1ddl	R. Johnson	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F5e	8-17-55	59	
- 2aal	Westover and Sternburg.	1905	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1.5e	8-17-55	55	
- 3ddl	G. Riggs	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F.5e	8-17-55	..	
- 4aal	O. Stange	....	Dr	1,200	3	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-17-55	..	
- 4bcl	G. Amsden	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F2e	8-17-55	56	R,1945
- 4dal	.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F.5e	8-17-55	54	
- 5adl	A. Rose	....	Dr	.....	¾	P	Kd	F	N	N	...	....	.....	F2e	8-17-55	..	
- 8aal	E. Julson	1905	Dr	900	¾	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	54	R,1940
- 8bbl	V. Von Wald	....	Dr	1,150	¾	P	Kd	F	N	D,S	...	....	.....	F1.5r	8-17-55	54	
- 8cdl	.....	....	Du	.....	36	W	Qld	Cy	G	S	Tco	2.0	25.0	.....	8-17-55	..	
- 9aal	E. Rose	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F2e	8-17-55	59	
- 9dal	A. Comp	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F2e	8-17-55	57	
-11bcl	E. Oliver	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	+9	F1.8m	1954	..	R,1935
														F2e	8-17-55	59	
-12ddl	D. Martin	1944	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	..	
-13abl	A. Bahr	....	Dr	900	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	..	
-14ddl	F. Holmes	1935	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-18-55	..	
-15bbl	G. Riggs	1919	Dr	1,142	.....	P	Kd	J	....	D,S	...	....	.....	.....	8-17-55	..	
-17aal	H. Julson	1918	Dr	857	1¼	P	Kd	F	N	D	...	....	.....	Fs	8-17-55	..	
-17aa2	.....do	....	B	32	22	W	Qld	Cy	Tr	S,O	Tco	2.0	19.28	.....	8-17-55	..	Wl
-18adl	R. Ruden	1949	Dr	1,147	.....	P	Kd	F	N	D,S	...	....	+76	F35r	1949	..	Ca; Cp,1,082 to
														Fu	8-17-55	59	1,147 ft; 2d flow.
-18ad2	.....do	....	Du	25.0	36	C	Qld	T	G,E	I,O	Tca	1.1	18.83	.....	8-17-55	49	Ca; Wl
-19adl	E. Zoeller	....	Dr	.....	1¼	P	Kd	J	....	D,S	...	....	.....	.....	8-17-55	..	
-20adl	R. Krueger	....	Dr	1,020	¾	P	Kd	F,J	....	D,S	...	....	.....	F1e	8-18-55	..	R,1943
-21cbl	H. Radlse	....	Dr	1,000	1	P	Kd	F	N	D,S	...	....	.....	F.8e	8-18-55	64	
-21ccl	A. Krueger	....	Dr	970	1¼	P	Kd	F,J	....	D,S	...	....	.....	F.8e	8-18-55	..	
-22ccl	W. Badten	....	Dr	.....	½	P	Kd	F	N	D,S	...	....	.....	Fu	8-18-55	..	
-24ccl	.....	....	Dr	.....	2	P	Kd	F	N	N	...	....	.....	F1.0m	9- 5-55	61	
-25ccl	.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	Fu	8-16-55	..	
-26bbl	J. Bade	....	Dr	1,000	1¼	P	Kd	F	N	N	...	....	.....	Fu	8-18-55	..	
-27ccl	.....	....	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	Fu	8-16-55	64	
-27cddd1	U.S.G.S.	1956	J	24.0	¾	P	Qld	N	N	O	Tca	2.3	16.85	.....	8-27-56	..	L; Wl
-28cbl	W. Nack	....	Dr	1,100	1¼	P	Kd	F	N	D,S	...	....	.....	F10e	8-17-55	60	
-29adl	B. Lenling	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	..	
-30bbl	O. Paetznick	....	Dr	900	1½	P	Kd	F	N	D,S	...	....	.....	F1.5e	8-17-55	58	R,1953
-31bbl	H. Schlichting	....	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	..	
-32aal	H. Stange	1918	Dr	970	.....	P	Kd	F	N	D	...	....	.....	Fs	8-17-55	..	
-32aa2	.....do	1901	Dr	1,270	.....	P	Kd	F	N	S	...	....	.....	Fs	8-17-55	..	
-35bal	R. Hoops	1903	Dr	950	.....	P	Kd	F,J	....	D,S	...	....	.....	F1.5e	8-16-55	..	
-35ddl	J. Schenkel	....	Dr	1,100	.....	P	Kd	F	N	D,S	...	....	.....	Fs	8-16-55	..	
-36ddal	.....do	....	Dr	900+	1¼	P	Kd	F	N	D,S	...	....	.....	Fs	8-16-55	61	
-62- 2ccl	A. Sueltz	....	Du	27.6	30	C	Qld	Cy	H	O,S	Tco	.6	19.59	.....	6-21-49	47	Ca; Wl
- 8babbl	U.S.B.R.	1955	Dr	40.4	1¼	P	Qld	N	N	O	Tca	3.8	29.15	.....	9-28-55	..	L; Wl
-15cbl	W. Reber	1948	Dr	1,224	1½	P	Kd	F	N	D,S	...	....	.....	F25r	1948	..	Ca; Cp,1,184 to
														F2e	6-23-49	58	1,224 ft; L; 2d flow
-19dcl	A. Nelson	1934	Du	.....	36	C	Qld	Cy	E	D,S	...	....	.....	.....	8-15-49	50	Ca
-20bbl	A. Hafnor	....	Du	31.5	36	C	Qld	Cy	E	D,S, I,O	Tca	1.2	24.40	.....	6-20-49	47	Ca; Wl
-22aal	L. Larson	1944	Dr	1,082	1½	P	Kd	F	N	D,S, I	...	....	.....	F10r	1944	..	Cp,1,056 to 1,082
														F6e	6-23-49	56	ft; L; 2d flow.
-22abbal	U.S.G.S.	1956	J	52.0	¾	P	Qld	N	N	N	Tca	3.9	27.20	.....	8-27-56	..	L
													23.67	.....	10- 4-56	..	
-22ccl	W. Schott	....	Dn,Du	.....	.....	....	Qld	Cy	H	N	...	....	.....	.....	6-20-49	47	Ca
-25cl	W. Stange	1943	Dr	1,080	.....	P	Kd	F	N	....	...	....	.....	F4r	1943	..	Cp,980 to 1,080
																	ft; L
-27dcl	V. Locken	....	Du	26	36	C	Qld	Cy	H	D,S, O	Tca	.0	17.60	.....	6-22-49	47	Ca; Wl

Table A.--(continued)

Brown County--Continued

122-62-28da2	Nelson Bros.....	....	B	34.2	48	C	Qld	....	H	I,O	Tca	1.3	28.04	.....	6-21-49	47	Ca; Wl
-29dd2	C. Hafnor.....	1902	B	36.5	48	C	Qld	N	N	O	Tca	.9	32.56	.....	6-21-49	47	Ca; Wl
-31ccccl	U.S.B.R.....	1951	Dr	82.0	1	P	Qgd	N	N	O	Tca	2.1	25.10	.....	4-19-52	..	Ca; D; L; Wl
-32dal	C. Gullickson.....	....	Du	34	36	C	Qld	Cy	G	N	Tca	.0	28.79	.....	6-22-49	48	Ca
-34abl	A. Hoeft.....	1948	Dr	1,160	1½	P	Kd	F	N	D,S	...	....	.....	F30r	1948	..	Cp,1,100 to 1,160
														F10e	6-22-49	63	ft; L; 2d flow.
-34ab2	.....do.....	1934	Du	28.6	36	C	Qld	Cy	H	I	Tca	1.2	11.98	.....	6-22-49	47	Ca
-35adl	H. Schley.....	....	Du	31.9	36	C	Qld	Cy	H,Tr	D,S	Tco	.7	27.40	.....	6-22-49	47	Ca
-35cc3	E. Stange.....	....	Du	32.3	36	C	Qld	Cy	H	N	Tco	.6	22.55	.....	6-22-49	47	Ca
-63-15ba1	N. Dixon.....	....	Du	32	36	C	Qld	Cy	H	D,O	Bp	1.4	20.51	.....	6-16-49	47	Ca; Wl
-19cl	F. Weinreis.....	1945	Dr	1,070	.....	P	Kd	F	N	....	...	....	.....	F10r	1945	..	Cp,1,010 to 1,070
																	ft; L
-33ccccl	U.S.B.R.....	1951	Dr	60.0	1	P	Qgd	N	N	O	Tca	3.4	19.34	.....	2-11-52	..	Ca; L; Wl
-33daaal	.....do.....	1955	Dr	38.9	1¼	P	Qgd	N	N	O	Tca	3.9	26.20	.....	7-14-55	..	L; Wl
-34abab1	.....do.....	1952	Dr	85.0	.....	N	.....	N	N	N	...	....	.....	.....	1952	..	L
-34dddd1	.....do.....	1951	Dr	90.0	1	P	Qgd	N	N	O	Tca	-.2	21.38	.....	4-19-52	..	Ca; L; Wl
-64- 1bb1	O. Perry.....	1948	B	19.9	10	P	Qld	P	H	D,S	Tca	1.3	12.82	.....	7-22-49	46	Ca; D
- 1bb2	.....do.....	1946	B	17.3	10	P	Qld	N	N	O	Tca	.7	11.20	.....	7-22-49	46	Ca; Wl
- 1bb3	.....do.....	....	.....	.....	.....	....	Qld	....	E	D,O	Tca	2.4	15.88	.....	5-22-56	..	Ca; Wl
- 1cb1	L. Moulton.....	....	Du	14.2	30	T	Qld	Cy	E	D,S	Tco	-4.5	5.72	.....	7-22-49	48	Ca
- 1cb2	.....do.....	....	Du	17.9	36	C	Qld	C	E	S	Tca	1.0	13.61	.....	7-22-49	46	Ca
- 5aa1	P. Blando.....	1946	Dr	85	3,1	P	.....	Cy	E	D,S	...	....	.....	.....	7-19-49	56	Ca
- 5aa2	.....do.....	....	Du	20.1	48	W	Qgd	Cy	H	S,O	Tco	.3	12.35	.....	7-19-49	47	Ca; Wl
- 5cddl	U.S.B.R.....	1955	Dr	170.0	.....	N	.....	N	N	N	...	....	.....	.....	1955	..	L
- 7aa1	H. Angerhofer.....	....	Du	21.5	40	P	Qgd	Cy	W	N	Tca	2.2	18.95	.....	7-19-49	47	Ca
-10cd2	Mrs. H. Riesk.....	....	Du	17.3	36	C	Qgd	Cy	H	N	Tco	.4	7.46	.....	7-20-49	48	Ca; caving.
-13cc1	S. Nelson.....	....	Du	19.4	24	C	Qld	N	N	N	Tca	.0	18.9	.....	7-22-49	46	Ca
-14ab1	E. Young.....	....	Du	15.8	48	W	Qgd	Cy	W	D,S	Tco	1.7	13.47	.....	7-22-49	47	Ca
-16bb1	G. Kuntz.....	1941	Dn	7.5	1½	P	Qgd	Cy	W	S	L	....	.....	.....	7-19-49	48	Ca
-18cc1	A. Brick.....	1914	Du	21	36	C	Qgd	Cy	H	D,S	Tco	1.3	16.60	.....	7-21-49	46	Ca
-19a1	A. Eilers.....	1946	Dr	1,280	.....	P	Kd	F	N	....	...	....	.....	F100r	1946	..	Cp,1,259 to 1,280
																	ft; L
-19ca1	.....	....	Du	22	40	C	Qgd	Cy	W	S	...	....	20	.....	7-21-49	46	Ca
-20bd1	F. Dunker.....	....	S	5	72	P	Qgd	F	N	S	...	....	.....	F.5e	7-21-49	51	Ca
-23aa1	D. Eldridge.....	1948	Dr	1,120	2	P	Kd	F	N	D,S	...	....	.....	F30r	1948	..	Cp,1,040 to 1,120
													+46	F10m	1954	..	ft; L; Wscs
														F5r	6-24-55	..	
-24cb1	C. Larson.....	1934	Du	35.2	40	W	Qgd	Cy	G	S	Tco	.5	31.45	.....	7-22-49	46	Ca
-26bb1	L. Evelo.....	1948	Dr	1,140	2	P	Kd	F	N	D,S	...	....	.....	F25r	1948	..	Ca; Cp,1,040 to
														F10e	7-20-49	61	1,140 ft; L
-28cb1	J. Dunker.....	....	Du	17.4	42	C	Qgd	N	N	N	Tca	.6	5.85	.....	7-21-49	54	Ca
-29cb1	E. Kuechle.....	1944	Du	12.9	36	W	Qgd	Cy	W	S	Tca	1.8	11.51	.....	7-21-49	47	Ca
-30baaa1	U.S.B.R.....	1955	Dr	250.0	.....	N	.....	N	N	N	...	....	.....	.....	1955	..	L
-30da2	J. Kamen.....	....	Du	17.7	36	C	Qgd	C	E	S	Tco	1.0	14.91	.....	7-21-49	60	Ca
-33ccccl	U.S.B.R.....	1951	Dr	60.0	1	P	Qgd	N	N	O	Tca	1.4	6.32	.....	4-19-52	..	L; Wl
-36ccdd1	.....do.....	1952	Dr	48.0	4	P	Qld	T	E	O,AT	Tca	3.1	24.88	.....	2-27-53	47	Ca; Rg; Wl
-36ccdd2	.....do.....	1952	Dr	80	.....	N	.....	N	N	N	...	....	.....	.....	1952	..	L
-36dddd1	.....do.....	1951	Dr	94.0	1	P	Qld	N	N	O	Tca	1.5	22.06	.....	8- 2-52	..	L; Wl
-65-34cccc1	.....do.....	1951	Dr	52.0	1	P	Qgd	N	N	O	Tca	2.2	11.95	.....	2-11-52	..	L; Wl
123-60- 2aad1	M. Donovan.....	1907	Dr	880	¾	P	Kd	F	N	D,S	...	....	+32	F.9m	1954	..	R,1952
														F3r	8- 8-55	..	
- 2abbb1	U.S.B.R.....	1955	Dr	40.1	1½	P	Qld	N	N	O	Tca	4.0	12.48	.....	6-23-55	..	L; Wl
- 2bcb1	A. Rix.....	1920	Dr	900+	¾	P	Kd	F	N	D,S	...	....	.....	F.5e	8- 8-55	53	R,1945
- 2ddd1	Mrs. E. Rix.....	1915	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fle	8- 8-55	..	Wscs
- 3bcb1	L. Rohwer.....	1951	Dr	1,100	2½	P	Kd	F	N	D,S	...	....	.....	Fu	8- 8-55	..	Cp,812 to 1,100 ft;
																	Wcs
- 3bcb2	.....do.....	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	Fs	8- 8-55	..	
- 3cdc1	C. Mielke.....	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F.5e	8- 8-55	57	
- 5bcb1	Mrs. G. Bisson.....	1946	Dr	900+	2	P	Kd	F	N	D,S	...	....	.....	F8r	1946	..	
														Fu	8- 8-55	..	
- 5cbbb1	U.S.B.R.....	1955	Dr	45.2	1¼	P	Qld	N	N	O	Tca	4.8	25.64	.....	6-23-55	..	L; Wl
- 5dcd1	R. Richard.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1.5r	8- 8-55	..	Wci

Brown County--Continued

123-60- 6cbl	F. Rix	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F3e	8- 8-55	56	
- 6ddal	E. Meythaler	1930	Dr	987	1¼	P	Kd	F	N	D,S	...	....	.....	Fl.5e	8- 8-55	61	
- 7cccl	Mrs. E. Riggs	1954	Dr	972	2	P	Kd	F	N	D,S	...	....	.....	F5e	8- 8-55	57	L
- 8bccl	C. Lundman	1945	Dr	1,010	1½	P	Kd	F	N	D,S	...	....	.....	F5r	1945	..	Ca; Cp,989 to 1,000
														Fu	8- 8-55	..	ft; L; 2d flow.
- 9bbbl	A. Breitkreutz	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F3r	8- 8-55	..	Wst
- 9cccl	H. Holler	1948	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F10r,Fr	8- 8-55	..	Water contains sand when flowing freely.
-11aaal	W. Blair	1914	Dr	960	¾	P	Kd	F	N	D,S	...	....	.....	Fu	8- 8-55	..	R,1935
-12bbbl	.....do	1950	Dr	1,024	2½	P	Kd	F	N	D,S	...	....	.....	F9r,Fr	8- 8-55	..	Cp,944 to 1,024 ft;L
-13adal	O. Beldon	1925	Dr	1,100	1¼	P	Kd	F	N	D,S	...	....	.....	F3r	8- 8-55	..	Wts
-13dcdl	.....do	1910	Dr	1,200	1¼	P	Kd	F	N	D,S	...	....	.....	F2e	8- 8-55	..	
-14cbbl	H. Clark	....	Dr	1,100	.....	P	Kd	F	N	D,S	...	....	.....	F2e	8- 8-55	..	Wst
-15bbbl	P. Reder	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F3e	8- 8-55	57	Wat
-15cccl	G. Koehler	1950	Dr	1,031	1½	P	Kd	F	N	D,S	...	....	.....	F20r	1950	..	Cp,861 to 1,031
														Fu,Fr	8-10-55	..	ft.
-15dccl	E. Messing	....	Dr	1,275	¾	P	Kd	F	N	D,S	...	....	.....	F5e	8-10-55	56	R,1951; 2d flow
-17dcl	H. Hinkleman	1950	Dr	1,025	1½	P	Kd	F	N	D,S	...	....	.....	Fu,Fr	8-10-55	..	Cp,877 to 1,025 ft
-17dc2	.....do	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	Fs	8-10-55	..	
-18cdcl	A. Olson	1943	Dr	1,100	2½	P	Kd	F,J	....	S	...	....	.....	F7r	1943	..	
														Fu	8-10-55	..	
-18cdc2	.....do	1908	Dr	850	¾	P	Kd	F	N	D	...	....	.....	Fu	8-10-55	..	R,1941
-18dbl	R. Funk	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F.5e	8-10-55	54	Recased; water softener used.
-19cbl	City of Groton	1950	Dr	.....	10	P	Kd	T	E	P	...	....	.....	.....	8-10-55	..	
-19cb2	.....do	1915	Dr	995	4½	P	Kd	T	E	P	...	....	.....	.....	8-10-55	..	Recased
-19ccl	.....do	1920	Dr	.....	.....	P	Kd	J	....	P	...	....	.....	.....	8-10-55	..	Water contained sand in 1947.
-19cdl	Chicago, Milwaukee, St. Paul and Pacific Railroad.	1948	Dr	986	8	P	Kd	....	....	P	...	....	3	.....	1948	..	L; used by city
													.....	.....	8-10-55	..	of Groton.
-20bcl	A. Ruether	1951	Dr	1,034	1½	P	Kd	F,J	....	D,S	...	....	.....	F5e	8-10-55	57	Cp,881 to 1,034 ft
-20cdl	J. Bonn	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	Flr,Fr	8-10-55	60	
-21abbl	Rhoades	....	Dr	.....	¾	P	Kd	F	N	S	...	....	.....	F.5e	8-10-55	..	R,1954
-21dcl	R. Hall, Sr	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	Fu	8- 9-55	..	Float valve controls flow.
-21dc2	.....do	1952	Du	30	24	C	Qld	Cy	E	D	...	....	.....	.....	8- 9-55	..	Ca
-25aabl	R. Oliver	1910	Dr	950	1¼	P	Kd	F,J	....	D,S	...	....	.....	Flr	8- 9-55	53	R,1940
-25bal	L. Larson	....	Dr	1,080	1½	P	Kd	F	N	D,S	...	....	.....	Fu	8- 9-55	..	Wat
-25dcl	E. Prunty	1955	Dr	988	2	P	Kd	F	N	D,S	...	....	.....	Fle	8-22-55	57	Ca; Cp,917 to 988
-26abbl	A. Rix	1935	Dr	967	1½	P	Kd	F,J	....	D,S	...	....	+14	F.7m	1954	..	ft; L; 1st flow.
														Flr	8- 9-55	..	
-27dal	Mrs. M. Sperry	1906	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fle	8- 9-55	56	R,1953; Wst
-28abl	L. Wagner	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F7r	8- 9-55	..	R,1953, Wscs
-28bbbl	R. Hall, Sr	1920	Dr	.....	1½	P	Kd	F,J	....	D	...	....	.....	Fu	8- 9-55	..	R; Wt
-28bbb2	.....do	....	Du	30	24	C,W	Qld	Cy	E	S	...	....	.....	.....	8- 9-55	50	Ca
-29cbbl	Mrs. E. Oliver	1907	Dr	893	¾	P	Kd	F	N	D,S	...	....	.....	F5e	8- 9-55	..	Cp,873 to 893 ft; R,1953; Wst
-31dbbl	O. Huffman	....	Du	28.1	24	C	Qld	Cy	E	D,S, O	Tca	2.7	23.20	.....	8- 9-55	..	Ca; Wl; water tastes bad.
-32cdcl	B. Frommel	1908	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F3e	8- 9-55	59	
-33cbbl	E. Strom	....	Dr	.....	1¼	P	Kd	F,J	....	D,S	...	....	.....	Flr	8- 9-55	57	R,1935
61- 1cdddl	W. Koehler	1950	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F3e	6-20-55	52	Wci
- 1cddd2	.....do	1908	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fu	6-20-55	..	Wci
- 2bbbbl	H. Schornack	1950	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	F8e	6-20-55	59	Supplies 2 farms.
- 3bbbcl	O. Ruden	1900	Dr	960	1¼	P	Kd	F,J	....	D,S	...	....	.....	Flr	6-27-55	..	R,1922
- 4aadl	C. Wendell Estate	1901	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	Fle	6-27-55	..	
- 4baal	.....	....	Dr	.....	1¼	P	Kd	F	N	N	...	....	.....	Fs,Fr	6-27-55	..	
- 4cccl	R. Karnopp	1942	Dr	900	1¼	P	Kd	F	N	D,S	...	....	.....	F.8e	6-28-55	..	Flow fluctuates;Wcs
- 6bbbl	G. Erdmann	1945	Dr	960	2	P	Kd	J	E	D,S	...	....	.....	.....	6-27-55	..	Wt

Table A.--(continued)

Brown County--Continued

123-61- 6ddcc1	C. Van Riper.....	....	Dr	960	2	P	Kd	F,J	....	D,S	...	....	.....	F1.5r	6-21-55	..	R,1949; Wst
- 7bcc1	L. Thurston.....	....	Dr	.....	.....	P	Kd	F,J	....	D,S	...	....	.....	F.8r	6-27-55	..	
- 8abaa1	F. Prey.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F1e	6-21-55	52	Wst
- 9abbb1	R. Lehman.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F3e	6-21-55	51	R,1942; Wt
-10adaa1	Stelter.....	1908	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F3e	6-20-55	53	
-10bbba1	V. Siefkes.....	1910	Dr	1,100	1	P	Kd	F,J	....	D,S	...	....	.....	F.8r	6-21-55	53	Recased twice.
-12bddd1	W. Quiggle.....	1917	Dr	990	¾	P	Kd	F,J	....	D,S	...	....	.....	F1r	6-20-55	..	R,1947
-12bddd2	.....do.....	1905	Dr	.....	.....	P	Kd	N	N	N	...	....	.....	Fx	6-20-55	..	Stopped flowing,1917
-12dddd1	W. Koehler.....	1938	Dr	960	2	P	Kd	F	N	D	...	....	+9	F2.4m	1954	..	R,1948; Wci
														F3.5e	6-20-55	56	
-13dddc1	A. Daringsford.....	1926	Dr	1,001	¾	P	Kd	F,J	....	D,S, P	...	....	.....	F5r	6-20-55	..	Cp,953 to 1,001 ft; R,1935; supplies cafe and gas station
-14aaad1	E. Mallett.....	1946	Dr	1,200	2	P	Kd	F,J	....	D,S	...	....	.....	F1.5e	6-20-55	55	R,1954
-14bcbb1	E. Stauch.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F3e	6-20-55	56	R,1954
-14dccc1	A. Voight.....	1910	Dr	1,100	1¼	P	Kd	F	N	D,S	...	....	.....	F2r	6-20-55	..	Water tastes salty.
-15bbbb1	H. Leonhardt.....	....	Dr	.....	1¼	P	Kd	F,J	....	D,S	...	....	.....	F2r	6-20-55	56	R,1951
-15cccc1	A. Johnson.....	....	Dr	.....	1¼	P	Kd	F,J	....	D,S	...	....	.....	F1r	6-20-55	56	
-16aaab1	R. Quinser.....	....	Dr	.....	1¼	P	Kd	F	N	N	...	....	.....	F.5e	6-20-55	54	
-17adab1	H. Lehman.....	1915	Dr	1,100	¾	P	Kd	F,J	....	D,S	...	....	.....	F.5r	6-20-55	55	R,1939
-17adab2	.....do.....	1910	Du	24.7	36	C	Qld	....	....	N	Tca	1.5	8.34	.....	6-20-55	..	Receives flow from 17adab1.
-17cdc1	D. Craig.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F4e	6-27-55	..	Wci
-17ddcc1	Krianhold.....	1952	Dr	900	2	P	.....	N	N	N	...	....	.....	.....	6-20-55	..	
-18bbbb1	F. Trask.....	1945	Dr	1,042	2	P	Kd	F	N	D,S	...	....	.....	F10e	6-27-55	56	
-18caaa1	K. Inglis.....	1951	Dr	158	3	P	Qgd	Cy	E	D	...	....	.....	.....	6-20-55	..	Ca
-18caaa2	.....	....	Dr	.....	4	P	Kd	F	N	N	...	....	.....	Fu	6-20-55	..	Formerly public supply for town of James.
-18dddd1	Fulker.....	1945	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F8e	6-20-55	57	
-19bab1	I. Zoellner.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F.8e	6-27-55	54	R,1949
-19cccd1	R. Zoellner.....	1923	Dr	1,013	1	P	Kd	F	N	D,S	...	....	.....	F1.5e	6-27-55	..	R,1945
-20dcc1	M. Zoellner	....	Dr	900+	1¼	P	Kd	F,J	....	D,S	...	....	.....	F.5r	6-27-55	..	R,1935
-21ddc1	B. Heitmann.....	1920	Dr	1,000+	1¼	P	Kd	F,J	....	D,S	...	....	.....	F2r	6-27-55	54	Recased twice; Wst
-22add1	E. Hertig.....	1900	Dr	.....	1¼	P	Kd	F	N	N	...	....	.....	F.8r	6-27-55	..	
-22cdc1	E. Abeln.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F1e,Fr	6-27-55	..	
-22dcd1	B. Craig.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F3e	6-27-55	54	Wt
-23addd1	O. Anderson.....	1947	Dr	1,160	2	P	Kd	F	N	D,S	...	....	.....	F1e	6-27-55	55	
-23daddl	R. Brigham.....	1951	Dr	.....	.....	P	Kd	F,J	....	D,S	...	....	.....	F3.5r	6-28-55	54	Wst
-24bcc1	A. Schuelke.....	1905	Dr	.....	.....	P	Kd	F,J	....	D,S	...	....	.....	F2r	6-27-55	..	Wci
-24ddda1	Mrs. I. Gillette....	1922	Dr	1,014	1¼	P	Kd	F	N	D,S	...	....	.....	Fs	6-27-55	..	Cp,906 to 1,014 ft; R,1940; Wci
-25bbbc1	R. Funk.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F2r	6-27-55	..	Wt
-25cccc1	H. Fliehs.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F.5r	6-28-55	..	Recased
-26bab1	R. Wolter.....	....	Dr	920	2	P	Kd	F	N	D,S	...	....	.....	F3r,Fr	6-27-55	56	R,1953
-28daad1	.....	....	Dr	.....	1½	P	Kd	F	N	N	...	....	.....	.....	6-27-55	..	Fc
-29aaaa1	G. Zoellner.....	....	Dr	.....	.....	P	Kd	F,J	....	D	...	....	.....	Fu	6-27-55	..	
-29bab1	Mrs. O. Towe.....	....	Dr	.....	1¼	P	Kd	F	N	N	...	....	.....	F.5e	6-27-55	54	Recased
-30aaba1	F. Reber.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fu	6-27-55	..	
-30bcc1	R. Zoellner.....	....	Dr	.....	1	P	Kd	F,J	....	D,S	...	....	.....	Fu	6-28-55	..	Recased
-31baab1	E. McKiver.....	....	Dr	.....	1	P	Kd	F,J	....	D,S	...	....	.....	F.5e	6-28-55	57	R,1953
-31cbbb1	A. Lorenz.....	1947	Dr	1,148	2	P	Kd	F	N	D,S	...	....	.....	F30r	1947	..	Ca; L; 2d flow
														Fu,Fr	6-28-55	61	
-31cbbb2	.....do.....	....	Dr	.....	1¼	P	Kd	N	N	N	...	....	.....	Fx	6-28-55	..	
-31dddc1	O. Zoellner.....	1924	Dr	1,128	1	P	Kd	F,J	....	D,S	...	....	.....	F.5e	6-28-55	56	Cp,1,108 to 1,128 ft; R,1935; 2d flow.
-32daa1	L. Herron.....	1951	Dr	1,034	2	P	Kd	F	N	D,S	...	....	.....	F.5r,Fr	6-28-55	..	Cp,910 to 1,034 ft
-33bbbd1	N. Fliehs.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F1e	6-28-55	55	
-33dddd1	U.S.B.R.....	1955	Dr	60.0	.....	....	.....	N	N	N	...	....	.....	.....	.....	..	L
-34cdd1	R. Wing.....	1943	Dr	1,145	1½	P	Kd	F	N	D,S	...	....	.....	F7.5r,Fr	1943	..	
-35aab1	N. Larson.....	1943	Dr	1,100	2	P	Kd	F	N	D,S	...	....	.....	F2.5e	6-28-55	61	

Brown County--Continued

123-62- 5aal	G. Little.....	....	B	21	36	C	Qld	Cy	E	D,S,O	Tca	.5	17.78	.....	6-22-49	46	Ca; Wl
- 5cbcc1	U.S.B.R.....	1955	Dr	38.9	1¼	P	Qld	N	N	O	Tca	3.8	18.29	.....	7-14-55	..	L; Wl
- 5dl	J. Whiting.....	1947	Dr	1,099	.....	P	Kd	F	N	.....	...	....	.....	F16r	1947	..	Cp,1,068 to 1,099 ft; L; 2d flow.
- 6adl	C. Gubin.....	1944	Dr	1,112	1¼	P	Kd	F	N	D,S	...	....	.....	F18r	1944	..	Cp,1,070 to 1,112
														F6e	6-22-49	61	ft; L; 2d flow.
- 6dal	E. Hofer.....	....	B	35	36	C	Qld	C	E	D,S	...	....	.....	.....	6-22-49	..	Ca
- 8al	R. Whiting.....	....	Dr	1,040	.....	P	Kd	F	N	.....	...	....	.....	.....	.....	..	Cp,1,015 to 1,040 ft
- 8bcl	F. Fluke.....	1942	Dr	1,006	1	P	Kd	F	N	D,S	...	....	.....	F15r	1942	..	Cp,966 to 1,006 ft;
														F2e	6-21-49	57	L
- 9bcl	T. Owens.....	....	Du	27.3	30	C	Qld	Cy	H	D,O	Tco	.0	18.10	.....	6-23-49	..	Ca; Wl
-11cdl	S.D.G.S.....	1953	Dr	47.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-14adl	K. Holum.....	....	Du	20.9	48	W	Qld	N	N	N	Tco	.4	12.92	.....	5-21-56	..	
													12.84	.....	6-21-56	..	
-17bdl	F. McCormick.....	....	B	26	36	W	Qld	Cy	H	D	L	....	16	.....	6-23-49	46	Ca
-17bd3	.....do.....	....	Du	24	36	C	Qld	Cy	H	O	Tca	.4	20.59	.....	6-23-49	46	Ca; Wl
-17dbl	Mrs. A. Chalcraft...	....	Du	28.6	36	C	Qld	Cy	E	S	Tco	.4	23.59	.....	6-21-49	47	Ca
-18ddl	E. McNeil.....	....	B	23.4	24	W	Qld	J	G	S	Tco	.6	21.98	.....	6-21-49	..	D
													21.70	.....	5-21-56	..	
													21.90	.....	6-21-56	..	
-20bbl	Mrs. B. Ellis.....	....	Du	34	72	P,W	Qld	J	E	P	Tco	-6.0	18.64	.....	6-21-49	..	Ca
-23al	S. Locken.....	1944	Dr	1,024	.....	P	Kd	F	N	.....	...	....	.....	F5r	1944	..	Cp,996 to 1,024 ft; L; 1st flow.
-30dddl	J. Holmes.....	1950	Dr	1,161	.....	P	Kd	F	N	D,S	...	....	.....	F42r	1950	..	Ca; Cp,1,142 to
														F12m	11-28-55	51	1,161 ft; L
-31da2	E. Locken.....	1889	Du	44	36	C	Qld	Cy	E	I	...	....	.....	.....	6-21-49	..	Ca
-32	Northwestern Mutual Life Insurance Co.	1943	Dr	1,052	.....	P	Kd	F	N	.....	...	....	.....	F120r	1943	..	L
-36ddcc1	U.S.B.R.....	1955	Dr	44.0	1¼	P	Qld	N	N	O	Tca	2.8	26.41	.....	6-23-55	..	L; Wl
-63- 3adl	L. Storm.....	....	Du	19.8	36	C	Qld	Cy	H	O	Tco	1.0	10.03	.....	6-27-49	46	Ca; Wl
- 4dd2	W. Banker.....	....	B	17.8	24	....	Qld	Cy	H	O	Bp	1.5	9.63	.....	6-27-49	..	Wl
- 5adl	H. Clary.....	....	Du	16.5	24	T	Qgd	C	G	D,S,O	Tco	2.0	9.39	.....	6-29-49	45	Ca; Wl
- 7aal	P. Pitz.....	....	Du	16	.....	....	Qld	P	H	D,S	L	....	12	.....	6-29-49	45	Ca; L
- 7aa2	S.D.G.S.....	1953	Dr	115.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
- 7ad2	K. Baird.....	....	Du	25.2	.....	....	Qgd	Cy	H	S,O	Bp	.0	12.29	.....	6-29-49	47	Ca; Wl
- 7cbl	R. Huger.....	....	Dr	13.0	6	P	Qld	Cy	H	D	Tca	.5	11.20	.....	7- 8-49	48	Ca
- 7cb2	.....do.....	....	B	16	.....	P	Qld	Cy	E	S	...	....	.....	.....	7- 8-49	46	Ca
- 9bbl	G. Zick.....	....	B	25.9	36	....	Qld	Cy	H,G	S,O	Tco	3.9	19.09	.....	6-27-49	48	Ca; Wl
-10bcl	W. Noltner.....	1945	Dr	1,115	.....	P	Kd	F	N	D,S	...	....	.....	F6r	1945	..	Cp,1,079 to 1,115
														F1e	6-28-49	..	ft; L; 2d flow.
-13ccl	R. Granger.....	1947	Dr	1,080	2	P	Kd	F	N	D,S	...	....	.....	F25r	1947	..	Cp,1,038 to 1,080
														F20e	6-27-49	60	ft; L; 2d flow.
-14al	S. Reese.....	1943	Dr	1,104	.....	P	Kd	F	N	.....	...	....	.....	F28r	1943	..	Cp,1,070 to 1,104 ft; L; 2d flow.
-14ddl	E. Anderson.....	1944	Dr	1,092	1¼	P	Kd	F	N	D,S	...	....	.....	F20r	1944	..	Cp,1,057 to 1,092
														F2e	6-27-49	62	ft; L; 2d flow.
-17bb2	R. Fessenden.....	....	Du	28	30	C	Qld	T	E	D,O	Tca	.5	12.44	.....	6-30-49	51	Ca; Wl
-17cdl	G. Heidershal.....	....	Dr	80	.....	P	.....	J	E	D,S	...	....	.....	.....	6-30-49	..	Ca
-17cd3	Inman Poultry Farm..	....	Du	40	36	C	Qgd	Cy	H	D	L	....	24	.....	6-30-49	50	Ca
-18bal	J. Humann.....	....	B	25.7	.....	....	Qgd	Cy	H	D	Bp	.5	11.55	.....	7- 8-49	47	Ca
-20aa2	E. Korte.....	....	Du	20	24	....	Qld	....	....	D	L	....	+10+	.....	6-29-49	50	Ca
-20dl	R. Lamont.....	1949	Dr	1,251	.....	P	Kd	....	....	.....	...	....	.....	.....	.....	..	L
-20da1	J. Gehrkin.....	....	Du	50	30	C	Qld(?)	Cy	H	D,S,O	Tn	.4	17.76	.....	6-30-49	46	Ca; Wl
-20dc1	H. Hein.....	....	Du	50	36	C,W	Qld(?)	Cy	E	S	L	....	30	.....	6-30-49	45	Ca; L
-21bc1	Aberdeen Airport....	....	B	20	6	P	Qld	Cy	H	D,S	L	....	15	.....	6-30-49	51	Ca
-22bc1	F. Schumaker.....	....	Du	21.2	36	C	Qld	....	E	D,S,O	Tco	.3	14.44	.....	6-28-49	..	Ca; Wl
-30abbb1	U.S.B.R.....	1955	Dr	38.0	1¼	P	Qld	N	N	O	Tca	3.1	15.20	.....	7-14-55	..	L; Wl
-31ba1	L. Gishwiller.....	....	B	24.5	18	P	Qld	Cy	H	O	Tca	.5	11.94	.....	6-29-49	..	Wl
-64-13cb1	Chicago, Milwaukee, St. Paul and Pacific Railroad.	1910	Dr	1,094.6	8,3	P	Kd	....	....	N	...	....	.....	F130r	1910	..	L
-14ac1	C. Easton.....	....	Du	33	36	C	Qgd	Cy	H	S	...	....	.....	.....	7- 8-49	45	Ca
-14ad1	.....do.....	....	Du	10.2	48	W	Qgd	Cy	H	D	Tco	.5	4.60	.....	7- 9-49	47	Ca
-14bb2	Aberdeen Country Club.	....	Dr	60	4,2	P	Qgd	T	E	I	...	....	.....	.....	7- 8-49	77	Ca

Table A.--(continued)

Brown County--Continued

123-64-14ca1	Aberdeen Country Club.	1950	Dr	1,250	.....	P	Kd	F	N	P	...	....	+127	F80r	1950	..	Cp,1,207 to 1,250 ft; L
-20ba1	J. Biegler.....	1948	Dr	1,260	1½	P	Kd	F	N	D,S	...	....	+127	F5e F4.3m	6-29-49 1954	65 ..	Ca; Cp,1,240 to 1,260 ft; L
-23aa2	H. Johnston.....	1948	Du	10	30	P	Qgd	C	E	In	L	....	7	.....	6-27-49	53	Ca
-23ad1	Gage Bros.....	1948	Du	20.5	120	P	Qgd	C	E	In	Tca	0.2	9.56	.....	6-27-49	47	Ca
-23bd1	C. Schower.....	....	Du	17	20	T	Qgd	Cy	H	D	Tco	1.0	10.35	.....	7- 8-49	48	Ca
-23bd2	Gates Estate.....	....	Du	15.4	48,36	C	Qgd	Cy	H	D,S	Tco	1.0	9.79	.....	7- 8-49	48	Ca
-23dd1	M. Taylor.....	1932	Du	17	30	C	Qgd	Cy	E	D	Tco	4.5	4.78	.....	7- 7-49	54	Ca
-23dd2	.....do.....	....	Du	15.1	44	C	Qgd	Cy	H	S	...	2.0	11.25	.....	7- 7-49	48	Ca
-23dd3	.....do.....	1936	Du	17	48	C	Qgd	C	E	D	...	....	.....	.....	7- 7-49	57	Ca
-24ad1	O. Herbold.....	....	Du	.....	.....	....	Qgd	Cy	E	D	...	....	.....	.....	7- 8-49	60	Ca
-25ba2	J. Simmons.....	....	Du	14.0	40	C	Qld	Cy	W	S	Tco	.5	8.06	.....	7- 7-49	47	Ca
-25ba3	S. Bies.....	....	Du	20	36	C	Qld	Cy	H	D,S	Tco	.5	12.92	.....	7- 8-49	47	Ca
-25bb1	E. Tolefson.....	1945	Du	10.2	36	C	Qld	Cy	E	D,S	Tca	.7	9.23	.....	7- 7-49	50	Ca
-25da1	J. King.....	1930	Du	10.3	20	T	Qld	N	N	N	Tca	1.2	8.04	.....	7- 8-49	47	Ca
-25db1	.....do.....	1947	Du	.....	.....	....	Qgd	Cy	E	D,S	...	....	.....	.....	7- 8-49	66	Ca
-26aa2	G. Dixon.....	....	Du	14	30	T	Qgd	Cy	H	N	Tco	.0	8.44	.....	7- 7-49	48	Ca
-26ba1	J. Schnuerle.....	....	Du	.....	36	C	Qgd	C	E	D	...	....	.....	.....	6-27-49	..	Ca
-26ba3	.....do.....	....	Du	10.1	48	P	Qld	Cy	H	D,S	Tco	.3	6.97	.....	6-27-49	48	Ca
-26bb1	H. LePage.....	1939	Du	11.4	36	C	Qgd	C	E	D	Tco	.2	7.19	.....	6-27-49	45	Ca
-26bb2	.....do.....	....	Du	9.7	36	C	Qgd	Cy	H	S	Tco	.2	6.88	.....	6-27-49	46	Ca
-26bc1	A. Schnurle.....	....	Du	28.1	12	P	Qgd	N	N	N	...	....	.....	.....	6-24-55	..	Ca
-26dd3	C. Lowe.....	1937	Du	16.5	30	C	Qld	Cy	E	S	Tco	.0	7.67	.....	7- 7-49	48	Ca
-26dd4	.....do.....	....	Du	14	24	C,T	Qld	Cy	E	D	Tco	4.5	5	.....	7- 7-49	65	Ca
-35aa1	L. Lindsey.....	....	Du	17.7	36	C	Qld	Cy	E	D,S	Tco	1.5	10.46	.....	7- 7-49	45	Ca
-35bb1	K. Sauck.....	....	Du	12.1	48	W	Qgd	Cy	E	S	Tco	1.2	10.48	.....	6-30-49	48	Ca
-36ba1	H. King.....	....	Du	13.7	36	C	Qld	Cy	W	S	Tco	.9	9.70	.....	7- 1-49	44	Ca
124-60- 2cccc1	C. Johnson.....	1945	Dr	1,100	2	P	Kd	F	N	D,S	...	....	.....	F.8r	6-17-55	53	
- 2cccc2	.....do.....	1955	Du	31	.....	....	Qld	Cy	E	S	L	....	21	.....	6-17-55	49	Water unfit to drink.
- 2cccc3	.....do.....	1910	Dr	1,025	2	P	Kd	F	N	D,S	...	....	.....	Fu	6-17-55	..	R,1938
- 2dccc1	R. Johnson.....	1945	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	Fu	6-17-55	50	Wts
- 2dccc2	.....do.....	1905	Dr	.....	3½	P	Kd	F	N	D,S	...	....	.....	Fu	6-17-55	53	
- 3ccdc1	H. Sippel.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F3e	6-16-55	54	
- 4aaba1	G. Green.....	1942	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	F5r	6-17-55	56	Wst
- 4aaba2	.....do.....	....	Dr	.....	1	P	Kd	F	N	S	...	....	.....	Fs	6-17-55	..	
- 4bbb1	A. Kemp.....	1946	Dr	959	.....	P	Kd	F	N	D,S	...	....	.....	F12r	1946	..	Ca; Cp,899 to 959 ft; L
- 4ddac1	Padfield.....	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	Fu	6-16-55	54	
- 8dcc1	Rudick.....	....	Dr	.....	3	P	Kd	F	N	N	...	....	.....	Fs	6-17-55	..	
- 9cdcc1	A. Sippel.....	1932	Dr	975	1	P	Kd	F	N	D,S	...	....	.....	F1e	6-17-55	55	R,1949
- 9cdcc2	.....do.....	1955	Du	28	24	C,W	Qld	Cy	E	D,S	L	....	19	.....	6-17-55	..	
-10abbb1	H. Heinz.....	1942	Dr	900+	3	P	Kd	F	N	D,S	...	....	.....	F5e	6-17-55	..	
-10daaa1	U.S.B.R.....	1955	Dr	42.7	1¼	P	Qld	N	N	O	Tca	3.3	21.81	.....	6-23-55	..	L; Wl
-10dcc1	E. Craig.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F2r	6-17-55	..	
-11ecc1	A. Wehde.....	1910	Dr	.....	1¼	P	Kd	F,J	....	D,S	...	....	.....	F.5e	6-17-55	54	R,1925
-12bbbb1	H. Beldon.....	1910	Dr	1,000	3	P	Kd	F	N	D,S	...	....	.....	F3e	6-17-55	55	Wts
-12cccc1	A. Schliebe.....	....	Dr	1,000+	3	P	Kd	F	N	D,S	...	....	+12	F1.0m F2e	1954 6-17-55	.. 54	
-12cddd1	.....do.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	Fu	6-17-55	..	
-14cccc1	R. Johnson.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F4r	6-17-55	..	R,1947
-15aaaa1	E. Vinton.....	1915	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fs	6-17-55	..	R,1950
-17baaa1	G. Green.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2e	6-17-55	..	
-17baaa2	.....do.....	....	Dr	.....	.....	P	Kd	F	N	N	...	....	.....	Fs	6-17-55	..	
-18cccc1	M. Genarka.....	1934	Dr	940	3	P	Kd	F	N	D,S	...	....	+30	F3.0m F2.5e	1954 6-16-55	.. 57	Cp,895 to 940 ft; R,1950
-19cbcd1	Good Samaritan Home.	1945	Dr	959.5	.....	P	Kd	F,T	E	D,P	...	....	.....	F23r Fu	1948 6-16-55	.. ..	Ca; L
-20bcbb1	O. Bahr.....	1955	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	Fu	6-16-55	..	
-21bccc1	R. Hood.....	1905	Dr	1,300	1	P	Kd	F	N	D,S	...	....	.....	F2.5e	6-20-55	56	Partly recased.

Brown County--Continued

124-60-22cbbb1	C. Howard	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1e	6-16-55	..	R,1950;Wst
-24cccb1	Beldon Bros.	1948	Dr	.....	3½	P	Kd	F	N	S	...	....	.....	F3r	6-17-55	..	Water turbid and sometimes contains sand.
-24cccb2	.....do.	1915	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F.8e	6-17-55	55	Recased
-25aaaa1	.....	....	Dr	.....	1	P	Kd	F	N	S	...	....	.....	F2e	6-17-55	59	
-25bbbb1	Beldon Bros.	1930	Du	17.6	.....	....	Qld	Cy	W	S	Tco	0.5	13.96	.....	6-17-55	55	
													9.60	.....	5-21-56	..	
													8.40	.....	9-20-56	..	
-27cbbb1	H. Kruger	....	Dr	890	2	P	Kd	F	N	D,S	...	....	.....	F3r	6-16-55	55	R,1950
-27dcdc1	L. Johnson	1915	Dr	911	.....	P	Kd	F	N	D,S	...	....	.....	F.5e	6-20-55	..	Wst
-28addd1	M. Walters	1920	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F1e	6-16-55	53	
-28dccd1	R. Harrison	1941	Dr	1,100	1½	P	Kd	F	N	D,S	...	...	.....	F.8e	6-16-55	53	Wt
-29bbbb1	D. Craig	1952	Dr	1,005	3	P	Kd	F	N	D,S	...	....	.....	F10r	6-16-55	..	Cp,855 to 1,005 ft
-29bbbb2	.....do.	1910	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.5r	6-16-55	..	
-30aadd1	E. Craig	1945	Dr	1,080	2	P	Kd	F	N	D,S	...	....	.....	F8-10r	1945	..	R,1954; water was turbid before recasing.
														F4.5e	6-17-55	56	
-30aadd2	.....do.	....	Du	41	.....	....	.....	....	....	N	L	....	36	.....	6-17-55	..	Used as a cesspool.
-30dddd1	F. Zoellner	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	6-16-55	53	Large flow reported.
-31cbbc1	R. Schumacher	1951	Dr	.....	4	P	Kd	F	N	D,S	...	....	.....	Fu	6-16-55	..	
-32cccb1	R. Peterson, Sr.	1947	Dr	1,200	.....	....	Kd	N	N	N	...	....	.....	F3r	1947	..	
														Fx	6-16-55	..	D; Wt
-32cccc1	.....do.	1920	Dr	950	1¼	P	Kd	F	N	D,S	...	....	.....	F1.5r	6-16-55	..	
-32cccc2	.....do.	1947	Dr	1,010	2	P	Kd	F	N	D,S	...	....	.....	F3.8r	1947	..	
														Fu	6-16-55	57	
-32cccd1	.....do.	1918	Dr	950	.....	P	Kd	N	N	N	...	....	.....	Fx	6-16-55	..	Water contained sand.
-32dccd1	J. Johnson	1902	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	6-16-55	56	
-34abba1	B. Jensen	1906	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F4r	6-20-55	..	
-34cccc1	J. Abeln	1906	Dr	1,000	2	P	Kd	F	N	D,S	...	....	.....	F3.5e	6-16-55	54	Wt
-34dadc1	J. Donovan	....	Dr	.....	1	P	Kd	F	N	D	...	....	.....	F1e	6-20-55	..	
-34dadc2	.....do.	1954	Dr	.....	3	P	Kd	F	N	S	...	....	.....	F3e	6-20-55	..	Wt
-61- 1cc1	O. Smith	1945	Dr	48	3	P	Qld	J	E	D,S	...	....	.....	.....	7-25-51	..	Ca
- 2dd1	U.S.G.S.	1951	Dr	59.0	¾	P	Qld	N	N	O	Tca	4.5	20.55	.....	10- 7-51	..	L; Wl
- 8bb1	.....do.	1951	Dr	40.5	¼	P	Qld	N	N	N	Tca	2.0	25.60	.....	10- 1-51	..	L
- 9aaaa1	.....do.	1951	Dr	38.5	¼	P	Qgd	N	N	N	Tca	4.0	23.50	.....	10- 1-51	..	L
- 9ac1	H. Pharis	1946	Dr	1,093	2	P	Kd	F	N	D,S	...	....	.....	F4m	1946	..	Ca; Cp,933 to 1,093
														F4e	7-25-51	..	ft; L
-24bc1	G. Sippel	1949	B	28	3	P	Qld	Cy	H	D,S	...	....	.....	.....	7-26-51	..	Ca
-27cccc1	U.S.G.S.	1956	J	38.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-31cbbc1	U.S.B.R.	1955	Dr	112.0	4	P	Qld	N	N	O	Tca	2.2	29.81	.....	6-23-55	..	L; Rg; Wl
-62- 4bcb1	W. Weismantel	1935	Dr	1,090	1	P	Kd	F,J	....	D,S	...	....	+9	F.6m	1954	..	R,1941
														F2r	6-28-55	..	
- 6bccc1	F. Rathert	1935	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fs,Fr	6-28-55	..	Wts
- 6daaa1	O. Weismantel	1941	Dr	1,080	1½	P	Kd	F	N	D,S	...	....	.....	F4r	6-28-55	56	Wst
- 6daaa2	.....do.	....	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	F3r	6-28-55	56	
- 7aad1	C. Nilsson	1919	Du	26	24	T,P	Qld	....	E	D,S	...	....	.....	.....	6-29-55	..	Ca
- 7dccc1	F. Davis	1915	Dr	1,000+	1¼	P	Kd	F	N	D,S	...	....	.....	F1e	6-29-55	57	
- 8aadd1	C. Padley	1955	Dr	1,064	2½	P	Kd	F	N	D,S	...	....	.....	F12r	6-29-55	56	
- 8addd1	U.S.B.R.	1955	Dr	105.0	1¼	P	Qld	N	N	O	Tca	2.2	20.78	.....	6-23-55	..	L; Wl
- 9aba1	O. Buntrock	1927	Dr	1,000	.....	P	Kd	F	N	D,S	...	....	.....	F1r	6-28-55	..	R,1953
- 9cccc1	B. Mertz	1953	Dr	1,100	1½	P	Kd	F	N	D,S	...	....	.....	F12e	6-29-55	60	Wci
- 9daad1	D. Jones, Jr.	1925	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F3e	6-29-55	56	Recased
-12bb1	U.S.G.S.	1951	Dr	58.6	¾	P	Qld	N	N	O	Tca	4.9	27.44	.....	9-18-51	..	L; Wl
-17bbbb1	L. Olson	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.5r	6-29-55	..	
-17dddd1	D. James	....	Dr	.....	1½	P	Kd	F	N	N	...	....	.....	Fs	6-30-55	..	Wt
-17dddd2	.....do.	1948	Dr	1,170	2	P	Kd	F	N	D,S	...	....	.....	F15r	1948	..	Ca; Cp,907 to 1,130
														Fr,Fu	6-30-55	..	ft; L
-18daa1	H. Weismantel	1940	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F2e	6-29-55	57	
-19aad1	R. Becker	1940	Dr	1,230	1½	P	Kd	F	N	D,S	...	....	.....	Fu	6-30-55	..	Cp,1,190 to 1,230 ft
-19cdc1	M. Hanson	....	Dr	1,300	1¼	P	Kd	F,J	....	D,S	...	....	.....	F4r	6-30-55	..	R,1951
-20aadd1	C. Hall	....	Dr	.....	.....	P	Kd	F,J	....	D,S	...	....	.....	F.5r	6-29-55	..	Recased
-21aaab1	W. Schliebe	1938	Dr	900	1½	P	Kd	F	N	D,S	...	....	.....	F1r	6-30-55	..	1st flow; Wt
-21daad1	G. Jones	1953	Dr	1,028	2	P	Kd	F	N	D,S	...	....	.....	F15r	1953	..	
														Fu	6-30-55	..	

Table A.--(continued)

Brown County--Continued

124-62-21dadd2	G. Jones	....	Dr	.....	1½	P	Kd	F	N	N	...	....	.....	Fs	6-30-55	..	
-24adl	Tacoma Park Association.	1946	Dr	1,068	.....	P	Kd	F	N	S	...	....	.....	F30r F.5e	1946 1951	.. ..	Cp,1,038 to 1,068 ft; L
-26bl	E. Armantrout	1948	Dr	1,087	.....	P	Kd	F	N	.....	...	....	.....	F9r	1948	..	Cp,1,049 to 1,087 ft; L
-28bbbbl	A. Plummer	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	F.5r	6-29-55	..	Wci
-28bbbb2	.....do	....	.....	90	.....	....	Qld(?)	....	E	D	...	....	.....	.....	6-29-55	..	Ca
-28cccc1	E. Peck	....	Dr	.....	1¼	P	Kd	N	N	N	...	....	.....	Fx	6-30-55	..	Plugged
-28cccc2	.....do	1955	Dr	84	.....	....	Qld(?)	Cy	E	D,S	L	....	22	.....	6-30-55	..	Ca
-29adal	B. Melcher	1953	Du	20	.....	....	Qld	Cy	H	D,S	...	....	.....	.....	6-30-55	..	Ca
-29ddal	H. Wockenfuss	....	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	F.5r	6-30-55	..	
-30aaaal	E. Fluke	....	Dr	.....	1¼	P	Kd	F,J	....	D,S	...	....	.....	F2r	6-29-55	..	
-30cccc1	W. Reed	1945	Dr	1,260	1½	P	Kd	F	N	D,S	...	....	.....	F40r Fr,Fu	1945 6-29-55	.. 65	R,1949; supplies 2 farms
-30cccc2	.....do	1935	Du	28	.....	C	Qld	Cy	H	N	L	....	22	.....	6-29-55	..	Sand in bottom.
-30dddd1	D. Jones, Jr	1945	Dr	1,120	2	P	Kd	F	N	D,S	...	....	.....	F15r	1945	..	R,1954; supplies
													+25	F1.0m Fu	1954 6-29-55	.. ..	2 farms.
-31adaal	E. Nelson	1900	Dr	.....	1½	P	Kd	F,J	....	D,S	...	....	.....	F2r	6-29-55	58	R,1947; Wt
-32aaaal	E. Jones	1954	Du	32	36	C,W	Qld	Cy	G	S	...	....	.....	.....	6-30-55	46	Ca; water tastes bad.
-32abbl	.....do	....	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	F3r	6-30-55	..	2d flow
-32cccc1	F. Wilber	1953	Du	.....	.....	....	Qld	Cy	E	S	...	....	.....	.....	6-29-55	..	Ca; water tastes bad.
-63- 1dcdl	G. Pierson	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	6-30-55	..	Wst
- 2abcl	.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	6-30-55	..	
- 3cbl	T. Daly	1941	Du	.....	.....	C	Qd	Cy	H	D,S,I	...	....	.....	.....	7-25-55	..	Ca; can be pumped dry
- 3ccl	A. Bohn	1935	Du	18	.....	C	Qd	....	E	D,S	...	....	.....	.....	7-25-55	..	Ca
- 4dcl	G. Goodman	....	Dr	1,200	.....	P	Kd	F	N	D,S	...	....	+30	F2.0m F2r	1954 7-25-55	.. ..	
- 4ddbl	H. Weslin	....	Du	.....	48	....	Qd	Cy	H	D	...	....	.....	.....	7-25-55	..	
- 5cdcl	E. Casey	1900	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F5r	7-25-55	..	Recased; water is turbid in spring; formerly powered feed mill.
- 7aadl	O. Fischer	....	Du	18	24	C	Qd	Cy	E	D,S	...	....	.....	.....	7-25-55	..	Ca; pumps dry; Wst
- 8baaal	City of Aberdeen	1955	Dr	120	.....	C	.....	N	N	N	...	....	.....	.....	.....	..	L
- 9bbcl	.....	....	Dr	.....	1¼	P	Kd	N	N	N	...	....	.....	Fx	6-30-55	..	
- 9ddd1	W. Dickinson	....	Du	.....	36	C	Qd	Cy	E	D,S	...	....	.....	.....	7-27-55	..	Ca
-10abbbl	J. Howell	1910	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F2e	6-30-55	..	R,1954
-10bbbbl	.....do	....	Du	.....	36	C	Qd	....	E	D,S	...	....	.....	.....	6-30-55	..	Ca; Wst
-10bbbb2	.....do	....	Du	20	.....	....	Qd	....	E	S	...	....	.....	.....	6-30-55	..	Ca; partly caved; sometimes dry.
-11bbbl	.....do	....	Du	.....	.....	....	Qd	Cy	W	S	...	....	.....	.....	7-27-55	..	
-12bbbl	R. Podoll	1942	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F1.5e	6-30-55	57	R,1954; Wts
-14adal	F. McHugh	1915	Dr	1,000	.....	P	Kd	F	N	D	...	....	.....	F2e	7-27-55	..	Wst
-14ada2	.....do	1945	Dr	1,100+	.....	P	Kd	F	N	D,S	...	....	.....	Fu	7-27-55	..	Piped half a mile; supplies 2 farms; water contains silt.
-14ads3	.....do	1952	Du	30	24	C	Qd	J	E	I	...	....	.....	.....	7-27-55	..	Ca; pumps dry in 2 hrs.
-14bbal	A. Zick	1916	Dr	1,000	1	P	Kd	F	N	D,S	...	....	.....	F5r	7-27-55	55	R,1951; Wts
-14cbcl	G. Kehrberg	1945	Dr	1,137	1½	P	Kd	F	N	D,S,I	...	....	+127	.....	1945	..	
														F2e,Fr	7-27-55	..	
-15bbal	J. McNarn	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F5r	7-27-55	..	R,1950; water contains silt and sand.
-15cal	City of Aberdeen	1933	Dr	.....	1¼	P	Kd	F	N	N	...	....	.....	F5.0m	9- 4-55	55	
-15cbbbl	U.S.B.R.	1955	Dr	125.0	4	P	Qd	N	N	O	Trp	3.1	12.58	.....	7-15-55	..	L; Rg; Wl
-15dcl	E. Howell	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	7-27-55	59	Wt
-17adl	B. Stucke	....	Du	.....	.....	....	Qd	Cy	W	S	...	....	.....	.....	7-25-55	..	Ca
-17ad2	.....do	....	Du	.....	.....	....	Qd	Cy	H	S	...	....	.....	.....	7-25-55	..	
-17ccl	S.D.G.S	1953	Dr	207.0	.....	....	.....	N	N	N	...	....	.....	.....	.....	..	L
-18adl	M. Herbeck	....	Dr	.....	2	P	Kd	F,C	E	D,S	...	....	.....	Fu	7-25-55	..	
-19cccc1	D. Schliebe	1955	Du	36	24	C	Qgd	....	....	S	...	....	.....	.....	7-25-55	..	
-19ddd1	L. Doell	1950	Du	24	48	C	Qd(?)	Cy	E	D,S	...	....	.....	.....	7-25-55	..	Ca
-19ddd2	.....do	....	Dr	.....	.....	P	Kd	N	N	N	...	....	.....	Fx	7-25-55	..	Used as a cistern.
-20abal	J. Muldoon	....	Dr	.....	1½	P	Kd	F,C	E	D,S	...	....	.....	Fu	7-25-55	..	
-20aba2	.....do	....	Du	12.7	36	C	Qd	Cy	H	O	L	....	8.49	.....	7-25-55	..	Used as a cesspool; Wl

Brown County--Continued

124-63-20aba3	J. Muldoon.....	....	Du	.....	.....	....	Qd	Cy	E	S	...	....	.....	.....	7-25-55	..	Ca
-20dc1	E. Dell.....	1952	Du	.....	36	T	Qd	Cy	W	D,S	...	....	.....	.....	7-25-55	48	Ca
-20dc2	.....do.....	....	Dn	.....	.....	T	Qd	....	H	D	...	....	.....	.....	7-25-55	..	Ca; Sp
-21bbb1	B. Stucke.....	1951	Du	.....	.....	....	Qd	....	E	I	...	....	.....	.....	7-25-55	..	Ca
-21bbb2	.....do.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F3r	7-25-55	..	
-21cca1	I. Meyers.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F5e	7-25-55	..	Wat
-22bbb1	B. Stucke.....	....	Du	13.4	36	W	Qd	Cy	H	D,S,O	Tco	0.4	10.06	.....	7-26-55	..	Ca; Wl
-22cd1	H. Young.....	1944	Dn	16	2	P	Qd	Cy	E	D,S	...	....	.....	.....	7-26-55	..	Ca; Sp
-22cd2	.....do.....	1945	Dn	16	2	P	Qd	Cy	E	D,S	...	....	.....	.....	7-26-55	..	D; Sp
-22cd3	.....do.....	1949	Dn	16	2	P	Qd	Cy	E	D,S	...	....	.....	.....	7-26-55	..	Ca; Sp
-22dc1	L. Williams.....	1910	Du	16	2	P	Qd	Cy	....	D,S	...	....	.....	.....	7-26-55	..	Ca
-22dc2	.....do.....	1940	Dn	16	2	P	Qd	Cy	....	D,S	...	....	.....	.....	7-26-55	..	Ca; Sp
-22dc3	.....do.....	1940	Dn	16	2	P	Qd	Cy	....	D,S	...	....	.....	.....	7-26-55	..	Ca; Sp
-22dc4	.....do.....	1940	Dn	16	2	P	Qd	Cy	....	D,S	...	....	.....	.....	7-26-55	..	Ca; Sp
-23bad1	L. Dell.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F2e	7-27-55	57	R,1953
-23cb1	W. Stepanek.....	1936	Du	14.6	48	P,C	Qd	Cy	E	S,O	Tco	.6	9.37	.....	7-27-55	46	Ca;Wl;can pump dry.
-23cb2	.....do.....	1950	Dn	16	2	P	Qd	Cy	E	D	...	....	.....	.....	7-27-55	..	Ca; Sp
-23dcc1	Brown County School Board.	1954	Dn	.....	2	P	Qd	Cy	H	P	...	....	.....	.....	7-27-55	..	Ca; Sp
-24ccd1	F. McHugh.....	....	Dr	.....	1¼	P	Kd	F	N	N	...	....	.....	Fs	7-27-55	..	
-24dda1	W. Van Winkle.....	....	Dr	.....	1½	P	Kd	F	N	D	...	....	.....	Fu	7-27-55	..	
-25ab1	H. Roberts.....	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	F1e	7-27-55	..	
-26aad1	F. McHugh.....	1954	Du	40	18	W,C	Qd	Cy	G	D,S	L	....	24	.....	12- -54	..	Ca; does not pump dry.
-26bc1	F. Kayman.....	....	Du	.....	.....	....	Qd	Cy	W	.....	...	....	.....	.....	7-26-55	..	Ca
-26dd1	D. Jones.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	Fu	7-27-55	..	
-27ab1	C. Young.....	....	Dn	10	2	P	Qd	....	....	D	...	....	.....	.....	7-26-55	..	Ca; Sp
-27ab2	.....do.....	....	Dn	10	2	P	Qd	....	....	S	...	....	.....	.....	7-26-55	48	Ca; Sp
-27ab3	.....do.....	....	Dn	10	2	P	Qd	....	....	S	...	....	.....	.....	7-26-55	54	Ca; Sp
-27cbb1	W. Oliver.....	....	Du	15	36	W	Qd	....	....	D	Tca	1.0	11.60	.....	7-26-55	..	Sp
													10.55	.....	5-21-56	..	
-27cbb2	.....do.....	....	Du	.....	36	....	Qd	Cy	W	S	...	....	11.07	.....	6-21-56	..	
-27cbb3	.....do.....	....	B	.....	24	C	Qd	....	E	D	Tca	1.0	.....	.....	7-26-55	..	
													13.71	.....	8-27-56	..	
													13.80	.....	9-12-56	..	
-28ad1	B. Johnson.....	....	Du	.....	24	C	Qd	Cy	H	D	...	....	14.00	.....	10- 4-56	..	
-28ad2	.....do.....	....	.....	.....	.....	....	Qd	Cy	G	S	...	....	.....	.....	7-26-55	..	Ca
-28bb1	E. Cummings.....	1930	Du	14.2	36	C	Qd	Cy	H	S,O	Tco	.8	10.87	.....	4- 5-57	..	Ca
-28bb2	.....do.....	1910	Dr	.....	.....	P	Kd	F	N	D	...	....	.....	Fu	7-25-55	..	Ca; Wl
-28bb3	.....do.....	....	Du	.....	.....	....	Qd	N	N	N	...	....	.....	.....	7-25-55	..	Used as cesspool.
-28dcd1	R. Russell.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	+28	F1.3m	1954	..	
														F3e	7-26-55	60	
-29bcc1	A. Arndt.....	1955	Du	22.7	24	P	Qd(?)	Cy	E	D,S,O	Tca	1.2	11.77	.....	7-25-55	..	Ca; Wl
-29bcc2	.....do.....	1907	Du	9.6	48	W	Qd	Cy	H	N	Tca	....	7.18	.....	5-21-56	..	Caved; dry at 9.6 ft during 1955.
-29bcc3	.....do.....	....	Du	13	14	P	Qd	....	E	S	...	....	.....	.....	8- 2-56	..	D
-30add1	O. Sanders.....	....	Du	24.6	48	W	Qd(?)	Cy	G	S	Tca	.2	8.62	.....	7-25-55	..	Ca; caving; water unfit to drink.
-30add2	.....do.....	1954	Dn	10	2	P	Qd	Cy	H	D	...	....	.....	.....	7-25-55	..	Sp
-30bbc1	D. Schliebe.....	1950	Dr	1,206	3	P	Kd	F	N	D,S	...	....	.....	F22r	1950	..	Ca;Cp,1,186 to 1,206
														Fu	11-28-55	58	ft; L; Wci; water tastes bad.
-33bbb1	L. Wagner.....	1925	Du	.....	36	C	Qd	Cy	W	D,S	...	....	.....	.....	7-25-55	..	Ca
-33cccc1	J. Bouton.....	1946	Dr	1,260	1½	P	Kd	F	N	D,S	...	....	.....	F.5e	7-25-55	..	
-33cccc2	.....do.....	....	Du	12	36	W	Qld	Cy	H	I,O	Tn	.9	10.24	.....	5-21-56	..	Ca; Wl
-33dc1	J. Oertli.....	1945	Dr	1,087	1½	P	Kd	F	N	D,S	...	....	.....	F2e	7-26-55	..	
-34aad1	C. Zick.....	1954	Du	22.8	18	C,W	Qd	Cy	E	D,O	Tca	1.7	13.80	.....	7-26-55	..	Wl; does not pump dry.
-34aad2	.....do.....	1927	Du	16.5	36	C	Qd	Cy	H	S,O	Tco	.5	8.15	.....	7-26-55	..	Ca; Wl; supplies 20 head of stock.
-34ccb1	J. Meyers.....	1925	Dr	1,090	¾	P	Kd	F	N	D,S	...	....	.....	F4e	7-26-55	58	R,1954
-35abb1	R. Stepanek.....	1945	Dr	1,000	1½	P	Kd	F	N	D,S	...	....	.....	F3r	7-27-55	..	
-35bc1	D. Roberts.....	1954	Du	30	24	C,W	Qd	Cy	E	D,S	...	....	.....	.....	7-26-55	..	Can pump dry.
-35bc2	.....do.....	1915	Du	30	36	C	Qd	Cy	E	S	...	....	.....	.....	7-26-55	..	Does not pump dry.
-35ccc1	G. Parden.....	1920	Dr	1,000	1½	P	Kd	F,J	....	D,S	...	....	.....	F2e	7-26-55	56	1st flow.

Table A.--(continued)

Brown County--Continued

124-64-27cc1	S.D.G.S.	1953	Dr	135.0	.....	....	.....	N	N	N	...	....	.....	.....	.....	..	L
125-60- 7abbb1	U.S.B.R.	1955	Dr	45.3	1¼	P	Qld	N	N	O	Tca	4.5	24.34	.....	6-23-55	..	L; W1
-10aa2	D. Hinrichs	1949	B	54	4	P	Qld	J	E	D	...	....	.....	.....	7-19-51	..	Ca
-28c1	A. Kemp	1945	Dr	941	.....	P	Kd	F	N	.....	...	....	.....	F7r	1945	..	Cp,901 to 941 ft; L
-35c1	Northwestern Mutual Life Insurance Co.	1947	Dr	981	.....	P	Kd	F	N	.....	...	....	.....	F1r	1947	..	Cp,858 to 981 ft; L
-61- 5cc1	F. Atkins	1947	Dr	903	1½	P	Kd	F	N	D,S	...	....	.....	F6r	1947	..	Ca; Cp,863 to 903 ft; L
														F5r	1951	..	
														F2e	11-28-55	56	
														F6r	1956		
- 9bb1	D. Miller	1948	B	42	3	P	Qld	Cy	E	D,S	...	....	.....	.....	7-24-51	..	Ca
-14ad1	D. Stanley	....	B	.....	3	P	Qld	J	E	D,S	...	....	.....	.....	7-24-51	..	Ca
-62- 1ad1	H. Kemnitz	1947	Dr	1,106	1½	P	Kd	F	N	D,S	...	....	.....	F8r	1947	..	Cp,1,076 to 1,106 ft; L; 2d flow.
														F10e	7-23-51	..	
- 1cc2	F. Albrecht	1955	Dr	110	.....	....	Qld	....	E	D,S	...	....	.....	.....	8- 9-56	55	Ca; water tastes of sulfur and iron.
- 1cc3	.....do	1946	Dr	964	.....	P	Kd	F	N	.....	...	....	.....	F10r	1946	..	Cp,904 to 964 ft; 1st flow.
- 2d1	E. Karlen	1944	Dr	1,181	.....	P	Kd	F	N	.....	...	....	.....	F16r	1944	..	Cp,1,165 to 1,181 ft; L; 2d flow.
-11dc1	C. Hanson	1947	Dr	1,082	1¼	P	Kd	F	N	D,S	...	....	.....	F7r	1947	..	Cp,814 to 835 and 1,037 to 1,082 ft;L
														F18r	7-23-51	..	
-20da1	F. Meints	1945	Dr	1,096	¾	P	Kd	F	N	D,S	...	....	.....	F20r	1945	..	Ca; Cp,1,057 to 1,096 ft; L;2d flow.
														F4r	7-19-51	..	
-21b1	E. Klepfer	1937	Dr	1,002	1¼	P	Kd	F	N	.....	...	....	.....	F3r	1937	..	Cp,981 to 1,002 Ft; L
-27b1	H. Dennert	1942	Dr	1,034	.....	P	Kd	F	N	.....	...	....	.....	F10r	1942	..	Cp,1,009 to 1,034 ft; L; 2d flow.
-28db1	A. Larson	1950	B	82	3	P	Qld	Cy	H	D,S	...	....	.....	.....	7-23-51	..	Ca
-33bc1	R. Jackson	1945	Dr	1,118	1¼	P	Kd	F	N	D,S	...	....	.....	F8r	1945	..	L; 2d flow
														F5e	7-25-51	..	
-35b1	S.D.G.S.	1953	Dr	52.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	Cp,1,054 to 1,118 ft; L
-36ab1	J. Smilloff	1948	B	102	3	P	Qld	J	E	D,S	...	....	.....	.....	7-23-51	..	Ca
-63- 1dddd1	B. Wandry	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1r	8-18-55	60	1st flow
- 3aaaa1	E. Kluck	1907	Dr	935	.....	P	Kd	F	N	D,S	...	....	.....	F.75m	8-17-55	53	Ca; 1st flow
- 3cccc1	Mrs. L. Olson	1949	Dr	1,100+	2	P	Kd	F	N	D,S	...	....	.....	F15m,Fr	8-24-55	64	Wso
- 4baba1	G. Huettl	....	Du	30	.....	T	Qgd	Cy	W	D,S	L	....	25	.....	8-17-55	..	Ca
- 4daaa1	Dennert Estate	1942	Dr	980	1	P	Kd	F	N	D,S	...	....	.....	F1e	8-23-55	..	
- 5bbbc1	Egger	....	Dr	1,200	.....	P	Kd	F	N	D,S	...	....	.....	F.5m	8-16-55	..	
- 5dddd1	Brown County School Board.	....	Du	18.8	36	P	Qgd	N	N	O	Tca	.8	16.20	.....	8-24-55	..	W1; water unfit to drink.
- 6addal	G. Edinger	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F2e	8-16-55	55	
- 6dddd1	L. Easterby	1918	Dr	1,300	.....	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-23-55	55	
- 7dccc1	R. Huettl	....	Dr	942	1	P	Kd	F	N	D,S	...	....	.....	F2.0m	8-17-55	59	R,1953
- 8bbcc1	A. Bussian	....	Dr	42	24	C	Qgd	Cy	W	D,S	...	....	.....	.....	8-16-55	49	Ca
- 8dcca1	H. Laird	....	Dr	960	.....	P	Kd	F	N	D,S	...	....	.....	F3r	8-17-55	..	
- 8dccc1	.....do	....	Dr	28	6	T	Qgd	Cy	E	I,O	Tca	-3.1	25.08	.....	8-17-55	..	W1
- 9cb1	M. Podoll	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	7-23-55	..	
-10bbbb1	M. Oschmann	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F2.5m	8-24-55	61	
-11daad1	V. Sieber	1952	Dr	41	3	P	Qld	J	E	D,S	L	....	4	.....	1952	..	Ca
-12adaa1	A. Ringgenberg	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-18-55	..	
-13cbbb1	B. Huser	1952	Dr	23	6	P	Qgd	J	E	D,S	L	....	21	.....	8-17-55	..	Ca
-13ddcc1	C. Huettl	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F2.5e	8-19-55	59	
-14bbad1	.....do	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	..	
-14ccc1	J. Huettl	1941	Dr	1,070	.....	P	Kd	F	N	D,S	...	....	+19	F3.8m	1954	..	
														Fu	8-17-55	..	
-15cbcc1	A. Oschmann	1944	Dr	1,250	1½	P	Kd	F	N	D,S	...	....	.....	F7r	1944	..	Ca; Cp,1,187 to 1,250 ft; L
														F34m	8-24-55	64	
-17addal	A. Huettl	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fs	8-23-55	..	
-18cbbb1	Mrs. Shafftner	....	Dr	1,200	2,1½	P	Kd	F	N	D,S	...	....	.....	Fu	8-23-55	..	
-19cca1	.....	....	Dr	.....	3	P	.....	Cy	W	N	...	....	.....	.....	8-23-55	..	Plugged at 2 ft
-19dcc1	O. Mincks	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F1.5m	8-23-55	..	
-20bbbb1	E. Casey	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2.5m,Fr	8-23-55	..	
-23bccc1	W. Kelley	1946	Dr	1,160	2	P	Kd	F	N	D,S	...	....	.....	F12r	8-19-55	58	Ca; 2d flow; Wso

Brown County--Continued

125-63-24ccbb1	A. Krege	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F2.0m	8-17-55	57	
-25aaaa1	F. Ringgenberg	1950	J	60	3	P	Qld	J	E	D,S	...	....	.....	.....	8-23-55	..	Ca
-25bbbb1	K. Ringgenberg	....	Dr	950	1½	P	Kd	F	N	D,S	...	....	.....	F10r	8-23-55	..	
-25bbbb2	.....do	....	Dr	1,100	.....	P	Kd	F	N	S	...	....	.....	F4r	8-23-55	..	
-26bbcc1	W. Kemnitz	1905	Dr	780	2	P	Kg(?)	F	N	D,S	...	....	.....	F2.0m	8-19-55	..	Ca
-27aaab1	E. Buntrock	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F3r	8-19-55	..	
-28cddd1	C. Ellis	1951	Dr	64	4	P	Qgd	Cy	E	D,S	L	....	12	.....	8-22-55	..	Ca
-28cddd2	.....do	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.3r	8-23-55	..	
-29addd1	F. Podoll	1934	Dr	1,100+	2	P	Kd	F	N	D,S	...	....	.....	F4.5r	8-23-55	..	Wso
-30ddcc1	Mrs. G. Hensel	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1.5m	8-19-55	..	
-31baaa1	H. Pickus	....	Dr	.....	1	P	Kd	F	N	D	...	....	.....	F1e	8-19-55	..	
-31ccdd1	H. Hall	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1.5m	8-19-55	59	
-32dddd1	A. Podoll	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F1r	8-19-55	..	
-33cdcc1	W. Dreier	....	Dr	1,000+	1¼	P	Kd	F	N	D,S	...	....	.....	F2.0m	8-19-55	58	
-34bcbb1	Van Winkle	1940	Dr	1,150	2	P	Kd	F	N	D,S	...	....	.....	F.86m	8-19-55	60	Ca; 2d flow
-35addd1	L. Zick	1943	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F15r	8-23-55	..	
-64- 9cda1	A. Huettl	1950	Dr	1,107	.....	P	Kd	F	N	D,S	...	....	.....	F10r	1950	..	Cp,993 to 1,107
														F1.0m	11-28-55	..	ft; L
126-60-15da1	R. Swanson	....	Dr	980	¾,½	P	Kd	F	N	D,S	...	....	.....	F3r	6-27-51	..	
-15da2	.....do	1953	Dr	975	.....	P	Kd	....	....	D	...	....	.....	.....	11-28-55	56	Ca; L
-30cc2	U.S.G.S.	1951	Dr	58.3	¾	P	Qld	N	N	O	Tca	4.7	7.10	.....	10-15-51	..	L; Wl
-34b1	.....do	1951	Dr	21.0	1¼	P	Qld	N	N	O	Tca	2.5	12.86	.....	10-31-51	..	L; Wl
-61- 1dl	P. Benedict	1945	Dr	970	.....	P	Kd	F	N	.....	...	....	.....	F12r	1945	..	Cp,942 to 970 ft; L
-15c1	R. Herseth	1942	Dr	1,051	.....	P	Kd	F	N	.....	...	....	.....	F15r	1942	..	Cp,1,031 to 1,051 ft; L; 2d flow.
-20a1	O. Tumby	1943	Dr	952	.....	P	Kd	F	N	.....	...	....	.....	F3r	1943	..	Cp,937 to 952 ft; 1st flow
-26cc1	U.S.G.S.	1951	Dr	39.0	¾	P	Qld	N	N	O	Tca	3.5	11.50	.....	10-22-51	..	L; Wl
-30a1	Union Central Life Insurance Co.	1944	Dr	1,100	.....	P	Kd	F	N	.....	...	....	.....	F13r	1944	..	Cp,1,026 to 1,058 and 1,080 to 1,100 ft; L; 2d flow.
-30cc1	U.S.G.S.	1950	J	15.5	¾	P	.....	N	N	O	Tca	2.0	10.27	.....	9-21-50	..	Wl
-62- 6abbb1	H. Scheffert	....	Dr	47.6	18	C	Qgd	J	E	D,S,O	Tca	-.5	34.08	.....	8-16-55	..	Ca; Wl
- 8babb1	Johnson	....	Dr	50.7	18	C	Qgd	Cy	H	O	Tca	1.7	15.47	.....	8-16-55	49	Wl; Wt; water reported "alkali"
-19bddd1	H. Eichler	1946	Dr	1,025	.....	P	Kd	F	N	S	...	....	.....	F20r	1946	..	Cp,950 to 1,025
														Fu	8-17-55	..	ft; L
-22dcc1	B. Tollefson	1943	Dr	948	1½	P	Kd	F	N	D,S	...	....	.....	F17r	1943	..	Ca; Cp,927 to 948
														F10r	7-19-51	..	ft; L; 1st flow
-26dad1	H. Smith	1943	Dr	926	1¼	P	Kd	F	N	D,S	...	....	.....	F12r	1943	..	Cp,916 to 926 ft; L; 1st flow
-30bbcc1	A. Hiepler	1935	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	58	
-30cdcc1	H. Hauch	....	Dr	.....	1½	P	Kd	F	N	N	...	....	.....	Fs	8-17-55	55	Abandoned
-31caaa1	B. Wiesmantel	....	Dr	.....	1½	P	Kd	F	N	N	...	....	.....	F1.5m	8-17-55	56	
-63- 1dccc1	J. Forsting	1919	Dr	1,029	1	P	Kd	F	N	D,S	...	....	.....	F.75m	8-16-55	..	Recased
- 2addd1	W. Christianson	1940	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F8r	8-15-55	..	
- 2dddd1	J. Forsting	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F6.25m	8-16-55	58	Water tastes salty.
-11aadd1	H. Forsting, Sr.	....	Du	.....	.....	....	Qgd	....	E	D	...	....	.....	.....	8-16-55	..	Ca
-11daaa1	L. Forsting	....	Dr	900	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-16-55	..	
-13cddd1	H. Forsting, Jr.	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1e	8-18-55	61	
-14bbba1	L. Forsting	....	Du,Dn	26	2½	C,P	Qgd	J	E	D	L	....	12	.....	8-15-55	..	Ca
-23ddaa1	B. Rystrom	1905	Dr	1,200	¾	P	Kd	F,J	....	D,S	...	....	.....	F.2r	8-18-55	..	
-24dddd1	O. Yeske, Jr.	1948	Dr	1,174	2	P	Kd	F	N	D,S	...	....	.....	F10r	1948	..	Ca; Cp,1,150 to 1,174
														Fu	8-17-55	63	ft; L; 2d flow; supplies 3 farms.
-36cddd1	Mrs. A. Yeske	1941	Dr	1,200	2	P	Kd	F	N	D,S	...	....	.....	F2e	8-18-55	54	2d flow
127-60-14dd2	U.S.G.S.	1951	J	17.4	1¼	P	.....	N	N	O	Tca	4.0	12.79	.....	7-16-51	..	L; Wl
-20aa2	.....do	1951	J	80.0	¾	P	.....	N	N	O	Tca	4.0	21.11	.....	9-10-51	..	L; Wl
-61-14dd1	U.S.B.R.	1950	B	14.0	3	P	.....	N	N	O	Tca	1.0	8.07	.....	5- 7-51	..	L; Wl
-36cc1	.....do	1950	B	16.0	3	P	.....	N	N	O	Tca	1.5	11.20	.....	4- 4-51	..	L; Wl
-62-36dd1	U.S.G.S.	1950	J	15.0	¾	P	.....	N	N	O	Tca	3.8	11.74	.....	9-20-50	..	Wl

Day County

123-59- 4addd1	G. Hove	1930	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.2r	8-26-55	..	
- 5bcbb1	Hansmeire	1952	Dr	1,050	3	P	Kd	F	N	D,S	...	....	.....	F1.5m	8-29-55	..	
- 5bcbb2	.....do	1948	B	30	24	W	Qgd	Cy	H	N	...	....	.....	.....	8-29-55	..	Water reported "alkali"

Table A.--(continued)

Day County--Continued

123-59- 5cccc1	E. DeYoung.....	....	Du	.....	.....	....	Qgd	Cy	H	N	...	....	.....	.....	8-29-55	49	
- 6adaa1	H. Larson.....	1948	Dr	45	3	P	Qgd	Cy	H	D	...	....	10	.....	1948	..	Ca
- 6adaa2	.....do.....	1947	B	48	24	T	Qgd	Cy	H	D	...	....	12	.....	1947	..	Ca
- 6adaa3	.....do.....	1908	Dr	1,025	1¼	P	Kd	N	N	N	...	....	.....	Fx	8-29-55	..	
- 7aaaa1	H. R. Larson.....	....	Dr	953	1	P	Kd	F	N	D,S	...	....	.....	Flr	8-29-55	..	
- 8ccbb1	F. Belden.....	1902	Dr	932	¾	P	Kd	F	N	D,S	...	....	.....	Fl.0m	8-29-55	..	
- 8daaa1	A. Kroll.....	1924	Dr	990	1½	P	Kd	F	N	D,S	...	....	.....	Fl+r	8-30-55	..	
- 9bcca1	Olenberg.....	....	Du	.....	36	....	Qgd	Su	E	N	...	....	.....	.....	8-30-55	..	Ca
- 9ddda1	J. Dokter.....	1913	Dr	1,100	1¼	P	Kd	Cy	E	D,S	...	....	.....	Fx	8-30-55	..	
- 9ddda2	.....do.....	1952	B	22	30	C,W	Qgd	Cy	W	S	...	....	7	.....	1952	..	Ca
-17bbaa1	W. Kroll.....	....	Dr	1,000	.....	P	Kd	F,J	....	D,S	...	....	.....	Flr	8-29-55	..	
-17cbbb1	C. Newcomb.....	....	Dr	.....	2	P	Kd	F	N	S	...	....	.....	Fl.0m	8-29-55	60	
-18adcc1	H. Feller.....	....	Dr	.....	2	P	Kd	F	N	S	...	....	.....	F.5e	8-29-55	56	
-18bbbc1	G. Rush.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F.6m	8-24-55	..	Wso
-18cccc1	A. Evans.....	....	Dr	.....	1	P	Kd	F	N	S	...	....	.....	Fl.25m	8-24-55	65	
-19adaa1	R. Sombke.....	....	Dr	.....	2	P	Kd	F,Cy	E	D	...	....	.....	Fs	8-29-55	..	
-19adaa2	.....do.....	....	Du	14.6	36	P	Qgd	Su	E	S	Tca	0.7	10.63	.....	8-29-55	..	Collects flow from well 19adaa1.
-20aadd1	C. Steffas.....	....	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	F.2e	8-30-55	..	
-21adddl	C. Newcomb.....	1945	Du	35	36	P,C	Qgd	Cy	H	D,S	L	....	33	.....	8-26-55	..	Water reported to be bitter; polluted(?).
-21addd2	.....do.....	1903	Dr	1,000-	.....	P	Kd	N	N	N	...	....	.....	Fx	8-26-55	..	
-28baaa1	Steffas.....	....	Dr	1,100+	.....	P	Kd	Cy	E	D,S	...	....	20	Fx	1954	..	
-29baaa1	H. Emmen.....	1917	Dr	1,007	.....	P	Kd	J	E	D,S	L	....	9	Fx	8-26-55	..	Large flow in 1917.
-29cddd1	Day County School Board.	....	Dr	170	2	P	Qgd	Cy	H	P	...	....	.....	.....	8-25-55	48	Ca; water tastes salty.
-30bbcb1	R. Oliver.....	1915	Dr	950	1¼	P	Kd	F	N	D,S	...	....	.....	Fl.0m	8- 9-55	60	R,1950
-30dddd1	F. Prunty.....	....	Dr	.....	1¼	P	Kd	A	E	D,S	...	....	.....	Fx	8-25-55	..	
-31babb1	H. Raap.....	1953	Dr	.....	2	P	Kd	Su	E	D,S	L	....	6	.....	8-25-55	..	
-31babb2	.....do.....	....	Dr	.....	.....	....	.....	Cy	W	N	...	....	.....	.....	8-25-55	..	Obstructed
-31dddd1	Powell Bros.....	1916	Dr	1,200	¾	P	Kd	Cy	E	D	...	....	.....	Fx	8-24-55	..	
-31dddd2	.....do.....	....	Du	40	.....	C	Qgd	Cy	W	S	...	....	10	.....	1954	..	Ca
															8-24-55	48	
-32aaaa1	R. Helmer.....	1947	B	50	30	P	Qgd	Cy	E	D,S	L	....	40	.....	8-25-55	..	Ca
-33bccc1	D. Dylle.....	1955	B	60	30	C	Qgd	J	E	D,S	Tca	1.6	37.30	.....	8-25-55	..	Ca; L
-33bccc2	.....do.....	1940	Dr	95	.....	....	Qgd	Cy	W	N	L	....	24	.....	8-25-55	..	
124-59- 3babb1	.....	....	Dr	.....	1	P	Kd	F	N	S	...	....	.....	F.8e	8-25-55	62	
- 5aaad1	H. Heinz.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fl.0m	8-25-55	56	
- 5cccc1	S. Nereim.....	....	Dr	800+	¾	P	Kd	F	N	D,S	...	....	.....	Fu	8-25-55	52	
- 6cccc1	Mrs. M. Cassels.....	1905	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F3e	8-25-55	56	
- 8cccd1	A. Schmidt.....	1943	Dr	1,022	2	P	Kd	F	N	D,S	...	....	+9	F.6m	1954	52	Cp,867 to 1,022 ft
- 9daaa1	Mrs. B. Norris.....	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F.5m	8-26-55	54	
-10bbbb1	.....	....	Dr	.....	1	P	Kd	F	N	S	...	....	.....	F.5m	8-25-55	..	
-16adddl	J. Peterson.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F.3m	8-26-55	55	
-17bbbb1	Schmidt.....	....	Du	18	36	W	Qgd	....	Tr	S	L	....	9	.....	8-25-55	..	
-17dddc1	F. Holler.....	....	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	Fs	8-30-55	54	
-19aaaa1	K. Schmidt.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fl.6m	8-30-55	54	
-19aaaa2	.....do.....	1951	Du	10	48	W	Qgd	T	E	S,I	L	....	5	.....	8-30-55	..	Ca
-19dccc1	J. Torguson.....	1952	B	28	36	....	Qgd	Cy	E	D,S	L	....	25	.....	8-30-55	..	Pumps dry
-19dccc2	.....do.....	1925	B	30	.....	....	Qgd	Cy	E	D,S	L	....	25	.....	8-30-55	..	Ca
-21bbbb1	DeVries.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fl.25m	8-30-55	60	R,1954
-28aaaa1	Mrs. A. Birkland.....	....	Dr	20	36	T	Qgd	C	G	S	L	....	9	.....	8-26-55	..	Ca
-28aaaa2	.....do.....	....	Dr	.....	.....	P	Kd	N	N	N	...	....	.....	Fx	8-26-55	..	
-28bbaa1	Mrs. H. Townsend.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-30-55	..	
-28cccc1	.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F.75m	8-26-55	54	
-29cbcc1	C. Wagner.....	....	Dr	.....	.....	P	Kd	F,J	E	D,S	...	....	.....	Fu	8-30-55	..	
-30bcbb1	E. Baadte.....	....	Dr	900	1½	P	Kd	F	N	D,S	...	....	.....	F.8m	8-30-55	..	
-30bcbb2	.....do.....	1955	B	16.0	24	W	Qld	N	N	S,O	Tca	.1	13.00	.....	8-30-55	..	Ca; Wl
-30cbcc1	G. Erdmann.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.2m	8-30-55	..	
-31ddaa1	A. Larson, Jr.....	....	Du	12.6	18	W	Qgd	Su	E	D,S,O	Tca	1.3	11.36	.....	8-30-55	..	Ca; Wl
-32bccc1	W. and E. Hein.....	1906	Dr	902	¾	P	Kd	F	N	D,S	...	....	.....	F.5m	8-30-55	..	
-32dddd1	G. Wagner.....	....	Dr	1,050	.....	P	Kd	F	N	D,S	...	....	+15	F2.7m	1954	..	
														F2.5r	8-30-55	..	
-33aaaa1	M. Olson.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F.75m	8-26-55	..	
-33daddl	V. Kemp.....	1936	Dr	1,200	.....	P	Kd	F	N	D,S	...	....	.....	F3.0m	8-26-55	..	

Marshall County

125-58- 4ccc1	A. Weir.....	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	Fo.5e	8-24-55	..	
- 5bccc1	U.S.B.R.....	1955	Dr	41.6	1¼	P	Qld	N	N	O	Tca	3.2	15.88	.....	6-23-55	..	L; Wl
- 6ba1	Blackburn.....	1951	Du	22	5	T	Qld	Cy	H	D	...	....	.....	.....	8-26-55	..	Ca; can pump dry.
- 7bcc1	A. Swanson.....	1949	Dr	1,046	.....	P	Kd	F,J	....	D	...	....	.....	Fu	8-24-55	..	
- 7bcc2	.....do.....	....	Dr	.....	1½	P	Kd	F,C	E	S	...	....	.....	Fu	8-24-55	..	
- 7dd1	N. Jones.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F1.0e	8-24-55	..	
- 8aac1	C. Peterson.....	....	Dr	.....	1½	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-24-55	..	Wt
- 9ccd1	S. Nelson.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F2e	8-24-55	57	
-15bc1	E. Thole.....	1913	Dr	.....	3,2	P	Kd	Cy	E	D	...	....	.....	.....	8-24-55	..	Wt
-16ad1	.....do.....	1937	Dr	.....	3,2	P	Kd	Cy	W	S	...	....	.....	.....	8-24-55	..	Wt
-17ab1	K. Jones.....	1943	Dr	1,025	1½	P	Kd	F	N	S	...	....	.....	F1.0e	8-24-55	..	
-17cb1	.....do.....	1943	Dr	1,075	1	P	Kd	F	N	D,S	...	....	.....	F4e	8-24-55	..	R,1954
-17cb2	.....do.....	1940	B	22	12	C	Qgd	Cy	H	D	...	....	.....	.....	8-24-55	49	Ca; can pump dry.
-17dcd1	G. Swanson.....	1950	Dr	1,150	2	P	Kd	Cy	E	D,S	...	....	.....	Fx	8-24-55	..	Wst
-18aa1	K. Jones.....	....	Du	.....	.....	....	Qgd	Cy	H	N	...	....	.....	.....	8-24-55	..	
-18ba1	N. Jones.....	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	F.5e	8-24-55	..	
-19bb1	R. Jones.....	....	Du	16.0	24	C	Qgd	N	N	N	Tca	1.2	14.07	.....	8-19-55	..	
-19cd1	H. Carson.....	....	Du	26	.....	....	Qgd	Cy	G,H	D,S	...	....	.....	.....	8-24-55	46	Ca
-20b6c1	C. Lesher.....	....	Dr	.....	1¼	P	Kd	J	E	D	...	....	.....	.....	8-24-55	..	
-20bbc2	.....do.....	1954	.....	.....	3	P	Qgd	Cy	E	S	...	....	.....	.....	8-24-55	47	Ca
-20bbc3	.....do.....	....	Du	30	24	P	Qgd	Cy	H	S	...	....	.....	.....	8-24-55	..	
-20d1	H. Carson.....	1952	Dr	1,071	.....	P	Kd	....	....	.....	...	....	8	.....	1954	..	Cp,918 to 1,071 ft
-20dc1	.....	....	Du	.....	4	P	Qgd	Cy	W	S	...	....	.....	.....	8-26-55	..	
-28ad1	E. Carson.....	1916	Dr	1,000	1	P	Kd	Cy,J	W	D,S	...	....	.....	.....	9- 1-55	..	
-29bbb1	E. Sherrard.....	1883	Du	20	44	C	Qgd	Cy	W	S	...	....	.....	.....	8-24-55	..	Ca
-29bbb2	.....do.....	1940	Du	12.2	8,6	T	Qgd	Cy	H,W	D,O	Tca	1.2	7.84	.....	8-24-55	..	Ca; Wl; does not pump dry.
-29bbb3	.....do.....	1950	Du	16	8,6	T	Qgd	Cy	H	S	...	....	.....	.....	8-24-55	..	Ca
-29cd1	City of Langford....	....	Dr	1,000	8	P	Kd	T	E	P	L	....	40	.....	9- 1-55	..	
-30ad1	W. Healy.....	1921	Du	.....	48	C	Qgd	Cy	H,W	N	...	....	.....	.....	8-26-55	..	
-31ccc1	.....	....	Dr	.....	1½	P	Kd	F,J	....	S	...	....	.....	Fu	8-26-55	..	
-31da1	Hopke.....	....	Du	.....	.....	....	Qgd	Cy	E	D,S	...	....	.....	.....	8-26-55	..	Ca
-32aa1	A. Schmidt.....	....	Du	18.5	.....	C	Qgd	Cy	H	O	Tco	.0	13.47	.....	9- 1-55	..	D; Wl
-32aa2	.....do.....	1956	Dr	23.5	18	C,T	Qgd	....	E	D,O	Tca	.2	12.99	.....	7-26-56	..	Wl
-33ad1	C. Nickelson.....	....	Du,Dr	.....	.....	....	Kd	F,Cy	E	S	...	....	.....	Fs	9- 1-55	62	
-33ad2	.....do.....	1955	Dr	130	3	P	Qgd	Cy	E	D,S	...	....	.....	.....	8- 3-56	..	Ca
-33bbbb1	N. Gorehsm.....	....	Du	20	.....	....	Qgd	Cy	W	D,S	...	....	.....	.....	9- 1-55	..	Ca
-33dc1	S. Reints.....	....	Du	.....	20	W	Qgd	Cy	W	D,S	...	....	.....	.....	9- 1-55	..	
-33dc2	.....do.....	....	Dr	120	.....	....	Qgd	Cy	E	D,S	...	....	.....	.....	8- 3-56	..	Ca
-59- 1cdc1	A. Swanson.....	....	Dr	.....	.....	P	Kd	F,J	....	S	...	....	.....	F1.5e	8-19-55	..	
- 2ba1	H. Olson.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F3r	8-19-55	..	R,1949
- 2ccb1	C. Olson.....	1949	Dr	1,005	1½	P	Kd	F	N	S	...	....	.....	F4e	8-23-55	..	Cp,832 to 1,005 ft
- 2ccb2	.....do.....	1919	Dr	900	¾	P	Kd	F,J	....	D	...	....	.....	F2r	8-23-55	..	Recased
- 3aad1	.....do.....	1915	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	Fu	8-19-55	..	
- 3ccd1	R. Hartburg.....	1940	Dr	1,000-	1½	P	Kd	F	N	D,S	...	....	.....	F4r	8-23-55	54	
- 5ab1	C. Veitmeier.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	..	
- 5bc1	W. Johnson.....	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	F.5e	8-17-55	..	
- 5ddd1	P. Freden.....	1932	Dr	.....	3½	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-17-55	..	
- 6cbb1	C. Buffington.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.5e	8-17-55	..	
- 6cbb2	.....do.....	1947	Dn	40	4	P	Qld	Cy	E	D,S	...	....	.....	.....	8-17-55	52	Ca; does not pump dry.
- 6dc1	H. Johnson.....	1955	Dn	38	4	P	Qld	Cy	G	S	...	....	.....	.....	8-17-55	..	Ca; Sp; does not pump dry.
- 7bbb1	.....do.....	1907	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F.5e	8-17-55	54	Wst
- 8ccc1	G. Hanson.....	....	Dr	.....	1½	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-18-55	..	
- 8ccd1	.....do.....	....	Dr	.....	1	P	Kd	F,J	....	D,S	...	....	.....	F1r	8-18-55	..	
- 8dc1	C. Hanson.....	1908	Dr	924	1½	P	Kd	F,J	....	D,S	...	....	.....	F2r	8-18-55	..	R,1955
- 9cb1	V. Malm.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F.5e	8-17-55	..	
-10ab1	D. Quist.....	....	Dr	900+	¾	P	Kd	F,J	....	D,S	...	....	.....	F1.5r	8-23-55	..	Recased
-10bc1	V. Malm.....	....	Dr	.....	.....	P	Kd	F	N	.....	...	....	.....	Fu	8-23-55	..	
-11bba1	W. Wigdahl.....	1946	Dr	900+	.....	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-23-55	..	
-11cb1	R. Johnson.....	1939	Dr	978	1½	P	Kd	F	N	D,S	...	....	.....	F.3r	8-23-55	..	Cp,890 to 978 ft;Wscs

Table A.--(continued)

Marshall County--Continued

125-59-11cb2	H. Johnson.....	1925	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	F2r	8-23-55	..	
-12cd1	R. Johnson.....	....	Dr	.....	1¼	P	Kd	F	N	N	...	....	.....	Fle	8-19-55	..	
-13abb1	R. Jerde.....	1953	Dr	1,035	2	P	Kd	F	N	D,S	...	....	.....	F5r	8-19-55	..	Cp,895 to 1,035 ft
-13dd1	R. Jones.....	1938	Dr	1,025	.....	P	Kd	F,J	E	D,S	...	....	.....	Fu	8-19-55	..	Cp,924 to 1,025 ft
-14bb1	S. Ossness.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-23-55	..	
-14ccc1	J. West.....	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	Fs	8-19-55	..	
-16aa1	V. Malm.....	....	Du	.....	18	C	Qld	Cy	W	S	...	....	.....	.....	8-19-55	49	Ca
-17bba1	I. Olson.....	1950	Du	27	4	P	Qld	....	E	D,S	...	....	.....	.....	8-18-55	..	Does not pump dry; water tastes bad.
-17ccc1	H. Foote.....	....	Du	13.4	24	W	Qld	Cy	W	N	...	....	.....	.....	8-17-55	..	Caved
-17ccc2	.....do.....	....	Du	.....	.....	....	Qld	J	E	D,S	...	....	.....	.....	8-17-55	..	Ca
-17ccc3	.....do.....	....	.....	.....	.....	....	Qld	Cy	H	N	Tco	1.1	17.14	.....	8-27-56	..	
													17.45	.....	10- 4-56	..	
-18aaa1	J. Tunheim.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F1.5e	8-18-55	..	
-19aaa1	R. Gullickson.....	1917	Dr	.....	1½	P	Kd	F,J	....	D,S	...	....	.....	Flr	8-17-55	..	
-19bc1	H. Cutler.....	1953	Du	20	36	C	Qld	J	E	S	...	....	.....	.....	8-11-55	..	Does not pump dry.
-19bc2	.....do.....	1950	Dr	1,060	.....	P	Kd	N	N	N	...	....	.....	Fx	8-11-55	..	
-19bc3	.....do.....	1948	B	40	3	P	Qld	Cy	E	S	...	....	.....	.....	8-11-55	..	Ca; does not pump dry.
-19bc4	.....do.....	1927	Dr	960	.....	P	Kd	F	N	N	...	....	.....	Fs	8-11-55	..	
-19bc5	.....do.....	1923	Dr	.....	.....	P	Kd	N	N	N	...	....	.....	Fx	8-11-55	..	
-19bc6	.....do.....	1939	Du	20	36	C	Qld	J	E	D	...	....	.....	.....	8-11-55	..	Sp; does not pump dry.
-19dc1	N. Rust.....	1909	Dr	.....	1¼	P	Kd	F,J	....	D,S	...	....	.....	F.5r	8-11-55	..	Water formerly turbid.
-19dc2	.....do.....	1945	Du	22.3	24	W	Qld	Cy	H	S,O	Tco	.8	22.20	.....	8-11-55	..	Ca; Sp; Wl; pumps dry.
-19dc3	.....do.....	....	Dr	.....	1¼	P	Kd	N	N	N	...	....	.....	Fx	8-11-55	..	
-20dd1	C. Ossness.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F.5r	8-19-55	..	Recased
-21aad1	A. Anderson.....	....	Du	12.3	36	W	Qld	N	N	O	Tco	.8	12.12	.....	8-19-55	..	Wl
-21dda1	.....do.....	1955	Du	30	4	P	Qld	J	E	D	...	....	.....	.....	8-19-55	..	Ca
-21dda2	.....do.....	1950	Du	.....	.....	....	Qld	Cy	E	S	...	....	.....	.....	8-19-55	51	Ca
-22ab1	H. Stolsmark.....	....	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	Fs	8-19-55	..	
-22ab2	.....do.....	1953	Du	.....	4	P	Qld	Cy	E	S	...	....	.....	.....	8-19-55	..	Ca
-22cb1	R. Garrett.....	....	Du	18	.....	....	Qld	Cy	E	S	L	....	14	.....	8-19-55	..	Pumps dry.
-22dc1	M. Nelson.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	..	
-23dc1	S. Carson.....	....	Dr	.....	.....	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-17-55	..	
-25add1	T. Jones.....	....	Du	22.3	18	....	Qgd	Cy	G,H	S,O	Tco	.6	13.27	.....	8-17-55	45	Ca; Wl
-25dc1	R. Williams.....	....	Dr	.....	1¼	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-17-55	..	
-26ab1	S. Carson.....	1950	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	Fle	8-17-55	51	Wc1
-26ab2	.....do.....	1943	Du	30	.....	....	Qgd	Cy	W,H	D	...	....	.....	.....	8-17-55	..	Ca
-26bc1	M. Nelson.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F.5e	8-17-55	55	
-26cd1	J. West.....	1951	Dr	905	2½	P	Kd	F,J	....	D,S	...	....	.....	F2.5r	8-17-55	..	
-28aad1	E. Olson.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-19-55	..	
-28bc1	L. West.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-19-55	..	
-29cbb1	C. Paulson.....	....	Dr	.....	¼	P	Kd	F	N	D	...	....	.....	F.5e	8-11-55	..	Recased
-29cbb2	.....do.....	1951	Du	48	2	P	Qld	Cy	W	S	...	....	.....	.....	8-11-55	..	Ca; does not pump dry.
-29cbb3	.....do.....	1949	Du	48	2	P	Qld	....	E	S	...	....	.....	.....	8-11-55	..	Ca
-29cbb4	.....do.....	1945	Du	30.1	2	P	Qld	N	N	N	Tca	.7	21.00	.....	8-11-55	..	
-30ad1	J. Wigdahl.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fle	8-11-55	..	Wt
-30ddd1	H. Sundberg	1949	Du	38	3	C	Qld	....	E	D,S	...	....	.....	.....	8-11-55	..	Ca
-31aaa1	Marshall County School Board.	....	B	.....	1½	C	Qld	N	N	N	...	....	.....	.....	8-11-55	..	
-31aab1	R. Boe.....	1955	Du	.....	24	....	Qld	Cy	E	S	...	....	.....	.....	8-11-55	..	Ca
-31aab2	.....do.....	1950	Du	.....	.....	....	Qld	....	E	D	...	....	.....	.....	8-11-55	..	Sp; Wcs
-31ba1	.....do.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-11-55	..	
-31ba2	.....do.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fu	8-11-55	..	
-32bc1	H. Hendricks.....	....	Du	12.7	24	W	Qld	Cy	W,H	N	L	....	9.92	.....	8-11-55	..	D
-32bc2	.....do.....	....	B	29.7	30	W	Qld	N	N	O	Tca	1.1	21.20	.....	5-21-56	..	Wl
-33aab1	S. Johnson.....	....	Dr	.....	1½	P	Kd	F	N	D	...	....	.....	F.5e	8-18-55	..	
-33daaa1	U.S.B.R.....	1955	Dr	40.2	1¼	P	Qld	N	N	O	Tca	3.5	15.55	.....	6-23-55	..	L; Wl
-34ba1	H. Carson.....	....	Dr	.....	1½	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-17-55	..	
-35addd1	A. Ossness.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-17-55	..	

Marshall County--Continued

126-58- 1cb2	U.S.G.S.....	1950	J	21.5	5/8	P	Qld	N	N	O	Tca	3.0	11.47	.....	9-20-50	..	D; L; Wl
-17aabb1	U.S.B.R.....	1955	Dr	40.4	1 1/4	P	Qld	N	N	O	Tca	4.3	14.36	.....	6-23-55	..	L; Wl
-23dd1	U.S.G.S.....	1951	J	17.1	5/8	P	Qld	N	N	O	Tca	4.4	19.00	.....	7- 3-51	..	L; Wl
-59-14aab1	.....do.....	1950	J	18.4	5/8	P	Qld	N	N	O	Tca	3.4	9.27	.....	9-20-50	..	L; Wl
-18aaad1	U.S.B.R.....	1955	Dr	37.1	4	P	Qld	N	N	O	Tca	3.2	20.38	.....	6-23-55	..	L; Rg; Wl
-20aal	E. Alberts.....	1946	Dr	996	1 1/2	P	Kd	F	N	D,S	...	....	.....	F7r F5e	1946 7-17-51	..	Cp,891 to 996 ft; L; 1st flow
-33cbbb1	U.S.B.R.....	1955	Dr	45.0	1 1/4	P	Qld	N	N	O	Tca	3.9	14.11	.....	6-23-55	..	L; Wl
127-58-14dd1	.....do.....	1950	B	23.0	3	P	.....	N	N	O	Tca	1.5	2.88	.....	5- 7-51	..	L; Wl
-17dd2	.....do.....	1950	B	19.0	3	P	.....	N	N	O	Tca	1.4	14.00	.....	4- 5-51	..	L; Wl
-19cc1	U.S.G.S.....	1950	J	15.0	3/4	P	.....	N	N	O	Tca	3.4	11.35	.....	9-19-50	..	Wl
-32dd1	U.S.B.R.....	1950	B	23.0	3	P	.....	N	N	O	Tca	1.5	11.00	.....	4- 5-51	..	L; Wl
-59-17dd1	.....do.....	1950	B	17.0	3	P	.....	N	N	O	Tca	1.5	14.20	.....	4- 5-51	..	L; Wl
-33ad1	U.S.G.S.....	1950	J	21.0	3/4	P	.....	N	N	O	Tca	2.5	11.36	.....	9-19-50	..	Wl

Spink County

115-60- 9adddl	U.S.B.R.....	1953	Dr	110	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-62- 6cddd1	.....do.....	1955	Dr	45.5	1 1/4	P	Qgd	N	N	O	Tca	4.3	24.25	.....	9-26-55	..	L; Wl
116-61- 4abbb1	G. Thompson.....	1917	Dr	960	1	P	Kd	F	N	D,S	...	....	.....	F3.0m	9- 9-55	62	Ca
- 5aaaa1	L. Erickson.....	....	Du	19	40	C	Qgd	J	E	D,S	L	....	17	.....	9- 9-55	..	Ca
- 5cddd1	Spink County School Board.	....	B	.....	30	C	Qgd	Cy	H	N	...	....	.....	.....	9-13-55	..	Pump broken
- 5dcdd1	R. Shult.....	1914	Dr	896	1	P	Kd	F	N	D,S	...	....	.....	F5.0m	9-13-55	53	R,1951
- 5dcdd2	.....do.....	1954	B	28	18	C	Qgd	Cy	E	S	L	....	13	.....	9-13-55	..	Ca
- 6bbaa1	L. Crook.....	1955	Dr	90	4	P	Qgd	J	E	N	L	....	26	.....	9-14-55	..	Water unsafe for drinking.
- 6bbbb1	Mrs. A. Crook.....	1914	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F3.0m	9-14-55	54	
- 6daaa1	.....	....	Dr	.....	1 1/4	P	Kd	F	N	N	...	....	.....	F1.9m	9-13-55	59	
- 7aada1	R. Starr.....	....	Dr	900+	2	P	Kd	F	N	D,S	...	....	.....	F2.5m	9-13-55	58	R,1954
- 7cbbc1	M. Mason.....	....	B	33.0	48	C,W	Qgd	J	E	S	Tca	-5.2	20.20 19.82 18.76	....	9-14-55 5-21-56 6-21-56	.. .. ..	Collects flow from well 7cbbc2.
- 7cbbc2	.....do.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.5m	9-14-55	..	Ca
- 8bbbb1	E. Shult.....	....	Dr	.....	1 1/4	P	Kd	F	N	S	...	....	.....	.....	9-13-55	..	Flow controlled by float valve.
- 8dddd1	U.S.B.R.....	1953	Dr	105.0	1 1/4	P	Qgd	N	N	O	Tca	1.6	15.91	.....	11-17-53	..	D; L; Wl
- 8dddd2	.....do.....	1953	Dr	100.0	8	P	Qgd	T	G	AT	Tca	2.0	15.65	.....	11-17-53	..	Ca
- 8dddd3	M. Hill.....	1954	Dr	77.0	12	P	Qgd	T	G	I,AT	Tca	.0	14.75	.....	5-31-54	..	Ca
- 9cbbb1	B. Lindskov.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1.7m	9-13-55	59	
-20cc1	W. Decker.....	....	Du	18.5	24	....	Qgd	Cy	W	D,S,O	Bp	1.5	16.05	.....	6-25-47	..	Wl
-20cccc1	.....do.....	....	B	.....	24	T	Qgd	J	E	D,O	Tca	2.3	18.59	.....	5-21-56	..	Ca; Wl
-20ddcc1	.....	....	Dr	.....	1 1/2	P	Kd	F	N	D,S	...	....	.....	F2.3m	9-13-55	62	
-21cdcc1	C. Lindskov.....	1918	Du	18	42	C	Qgd	Cy	G	D,S	L	....	16	.....	9- 9-55	..	Ca;L
-28aaab1	.....	....	Du	25.7	24	P,C	Qgd	Cy	W	N	Tca	.0	17.50	.....	9- 9-55	..	
-28bbbb1	H. Riddle.....	....	Dr	950	.....	P	Kd	F	N	D,S	...	....	.....	F1.7m	9- 9-55	61	R,1940
-30bccb1	B. Mason.....	....	Dr	1,000+	2 1/4	P	Kd	F	N	D,S	...	....	+35	F12m F3.0m	1954 9-13-55	.. 57	Wso
-30bccb2	.....do.....	....	Dr	.....	2	P	Kd	F	N	N	...	....	.....	F7.5m	9-13-55	57	Wso
-31baaa1	P. Bau.....	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	F.5m	9-13-55	..	R,1949
-31cdbb1	D. Mason.....	1951	B	19.9	18	T	Qgd	J	E	D,S,O	Tca	.3	16.95	.....	9-13-55	..	Ca; Wl
-32bbcb1	W. Bowe.....	1920	Dr	.....	1 1/2	P	Kd	F	N	S	...	....	.....	F.75m	9-13-55	..	
-32cbcc1	C. Christensen.....	1916	Dr	1,000+	2	P	Kd	F	N	D,S	...	....	.....	F2.5m	9-13-55	..	
-33abbb1	C. Cooper.....	1949	Du	25.6	30	W	Qgd	Cy	E	S,O	Tca	1.6	19.53	.....	9- 9-55	..	Ca; L; Wl; does not pump dry
-33baaa1	.....do.....	....	Dr	990	3/4	P	Kd	F	N	D,S	...	....	.....	F1.5m	9- 9-55	..	
-62- 1bbbd1	P. Noonan.....	....	Dr	.....	1	P	Kd	F	N	S	...	....	.....	F.3e	9- 8-55	..	Ca
- 3ab1	E. Riggs.....	....	Du	21.8	18	....	Qld	Cy	E	S,O	Bp	2.0	18.08	.....	6-26-47	48	Ca; Wl
- 8ad1	Town of Frankfort...	....	Dr	1,008	.....	P	Kd	F	N	P	...	....	.....	F20r	9-11-47	..	Ca; L
-11baaa1	P. Baird.....	....	Du	11.8	18	T	Qgd	Cy	E	S,O	Tca	3.1	6.88	.....	9-14-55	..	Wl
-11cbbb1	E. Barrett.....	1939	B	22.0	32	W	Qgd	Cy	W	D,S,O	Tca	1.6	15.75	.....	9- 9-55	49	Ca; Wl
-12bbbb1	P. Noonan.....	1913	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	F2.0m	9- 8-55	..	Supplies 2 farms; water reported "alkali."
-13daad1	L. Wilson.....	1954	Dr	1,022	3,2	P	Kd	F	N	D,S	...	....	.....	F12m	9-13-55	62	Ca; L; Wci
-14aaaa1	O. Phillips.....	....	Dr	923	3/4	P	Kd	F	N	D,S	...	....	.....	Fr, F1.25m	9- 8-55	59	R,1953
-14cbab1	W. Peterson.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1.3m	9- 9-55	59	
-18dd3	A. Haskell.....	1946	Dr	1,200	.....	P	Kd	F	N	D,S	...	....	.....	F4r	10-31-53	..	L
-22dd1	L. Reinking.....	....	Du	24.6	36	W	Qgd	Cy	W	D,S,O	Bp	1.6	20.65	.....	6-25-47	..	Ca; Wl
-23aaab1	B. Noonan.....	....	Dr	.....	1 1/2	P	Kd	F	N	N	...	....	.....	F6.5m	9-13-55	..	Wso

Table A.--(continued)

Spink County--Continued

116-62-24cccc1	L. Roggenthen	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2.5m	9- 9-55	..	R,1952
-25addal	D. Mason	1951	Du	40	.....	....	Qgd	N	N	N	L	....	..18...	.....	9-13-55	..	Water unsafe for drinking.
-25bbbb1	P. Bau	....	Dr	1,200±	2	P	Kd	F	N	D,S	...	....	.....	F1.3m	9- 9-55	..	
-25daaa1	U.S.B.R.	1955	Dr	43.5	1¼	P	Qld	N	N	O	Tca	3.0	17.73	.....	9-26-55	..	L; Wl
-28aa1	R. Liebig	....	Du	35	36	C	Qgd	Cy	G	D,S	L	....	16	.....	9-26-47	51	Ca
-29abba1	U.S.B.R.	1951	Dr	27.0	1	P	Qld	N	N	O	Tca	2.4	16.89	.....	10-16-51	54	Ca; L; Wl
-30aaaa1	.....do	1951	Dr	75.0	1	P	Qgd	N	N	O	Tca	.2	16.60	.....	10-16-51	..	L; Wl
-30aaaa2	.....do	1951	Dr	26.0	1	P	Qld	N	N	O	Tca	.0	16.46	.....	10-16-51	..	Ca; Wl
-30aaaa3	.....do	1951	Dr	14.0	1	P	Qld	N	N	O	Tca	.6	12.35	.....	4-17-52	..	Wl
-30bbbb1	.....do	1951	Dr	66	1	P	Qgd	N	N	O	Tca	1.8	7.35	.....	10-16-51	..	Ca; L; Wl
-30bbbb2	.....do	1951	Dr	15.0	1	P	Qld	N	N	O	Tca	1.7	11.58	.....	10-16-51	..	Ca; Wl
-35bbbb1	W. Peterson	....	Dr	937	2	P	Kd	F	N	D,S	...	....	.....	F7.5m	9- 9-55	56	Ca; 1st flow
-35ccbb1	J. Wolner	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F2.0e	9-25-47	..	
														F5.0m	9- 9-55	60	
-63- 2baba1	U.S.B.R.	1950	Dr	75.0	1¼	P	Qgd	N	N	N	Tca	.9	41.1	.....	3- 1-55	..	L
- 2bbab1	.....do	1950	Dr	98.0	1¼	P	Qgd	N	N	N	Tca	1.1	38.5	.....	3- 1-55	..	L
- 2bbbb1	.....do	1950	Dr	67.0	1¼	P	Qgd	N	N	N	Tca	1.6	37.0	.....	3- 1-55	..	L
- 3abbb1	.....do	1951	Dr	51.0	1¼	P	Qgd	N	N	N	Tca	.9	37.3	.....	3- 1-55	..	L
- 4aaaa1	.....do	1952	Dr	127.0	1	P	Qgd	N	N	O	Tca	.3	32.68	.....	8-27-52	..	Ca; L; Wl
- 4aaaa2	.....do	1952	Dr	39.0	1	P	Qld	N	N	O	Tca	2.8	36.25	.....	5-21-56	..	Wl
- 5ad2	I. Erickson	....	Du	25	36	C	Qgd	Cy	W	S,O	Bp	1.0	16.50	.....	10-14-47	50	Ca; Wl
- 5bbbb1	U.S.B.R.	1952	Dr	20.0	1	P	Qgd	N	N	O	Tca	1.2	14.09	.....	8-27-52	..	Ca; L; Wl
-10aa1	J. Deiter	....	Dr	900	.....	P	Kd	F	N	D,S	...	....	.....	F3r	10- 3-47	..	Ca;supplies 2 farms.
-19aa1	W. Blume	....	B	17.4	24	W	Qgd	N	N	O	Tco	.4	7.6	.....	10- 3-47	..	Wl
-20cdcd1	U.S.B.R.	1955	Dr	45.2	1½	P	Qgd	N	N	O	Tca	4.1	20.58	.....	9-26-55	..	L; Wl
-25bbbb1	.....do	1951	Dr	146.0	1	P	Qgd	N	N	O	Tca	-.5	24.71	.....	10-16-51	..	Ca; L; Wl
-25bbbb2	.....do	1951	Dr	35.0	1	P	Qgd	N	N	O	Tca	.3	21.18	.....	10-16-51	..	Ca; Wl
-25bbbb3	.....do	1951	Dr	16.3	1	P	Qgd	N	N	O	Tca	.2	16.20	.....	8- 7-52	..	Wl
-26baaa1	.....do	1951	Dr	60.0	1	P	Qgd	N	N	O	Tca	3.3	17.50	.....	10-16-51	..	Ca; L; Wl
-26baaa2	.....do	1951	Dr	18.0	1	P	Qgd	N	N	O	Tca	2.8	10.83	.....	10-16-51	..	Wl
-26bbbb1	.....do	1951	Dr	121.0	1	P	Qgd	N	N	O	Tca	.4	7.53	.....	10-16-51	..	Ca; L; Wl
-26bbbb2	.....do	1951	Dr	19.0	1	P	Qgd	N	N	O	Tca	.8	7.84	.....	10-16-51	..	Ca; Wl
-27ad1	E. Damuth	....	Du	50	24	W	Qgd	Cy	W	D,S	Bp	1.5	23.30	.....	4-10-46	48	Ca
-28aaab1	U.S.B.R.	1952	Dr	140.0	1	P	Qgd	N	N	O	Tca	.8	27.52	.....	8-12-52	..	L; Wl
-29aaaa1	.....do	1951	Dr	63.0	1	P	Qgd	N	N	O	Tca	.7	22.02	.....	10-16-51	..	Ca; L; Wl
-29aaaa2	.....do	1951	Dr	28.0	1	P	Qgd	N	N	O	Tca	.6	22.23	.....	10-16-51	..	Ca; Wl
-29aaaa3	.....do	1951	Dr	15.9	1	P	Qgd	N	N	O	Tca	.6	13.73	.....	4-17-52	..	Wl
-30aaaa1	.....do	1951	Dr	71.0	1	P	Qgd	N	N	O	Tca	-.5	19.54	.....	10-16-51	..	Ca; L; Wl
-30aaaa2	.....do	1951	Dr	32.0	1	P	Qgd	N	N	O	Tca	-.7	19.50	.....	10-16-51	..	Ca; Wl
-30aaaa3	.....do	1951	Dr	20.0	1	P	Qgd	N	N	O	Tca	-.6	14.63	.....	6-11-52	..	Wl
-36dddd1	.....do	1948	B	27.7	1½	P	Qgd	N	N	O	Tca	1.0	24.00	.....	6-14-51	..	Ca; D; L; Wl
-64- 4ad1	State Home	1942	Dr	1,050	.....	P	Kd	F	N	D,S	...	....	.....	Fu	10-14-47	..	L
- 4cd1	M. Gallup	....	Du	23.0	24	C	Qgd	Cy	H	S,O	Tca	.4	14.06	.....	4-22-47	48	Ca; Wl
- 5ca2	J. Albrecht	....	B	32	24	T	Qgd	Cy	G	D,S	L	....	15	.....	9-11-48	50	Ca
- 9dd1	F. Lucke	....	Du	16	.....	....	Qgd	Cy	H	D	L	....	13	.....	7-12-49	48	Ca
-10bb1	City of Redfield	....	Dr	920	.....	P	Kd	F,T	E	P	...	....	.....	Fu	10-14-47	..	Ca
-15aa1	Seventh Day Adventist Church.	....	Du	30	.....	....	Qgd	Cy	H	D	L	....	15	.....	10- 1-47	..	Ca
-15aa2	.....do	....	Du	35	.....	....	Qgd	P	H	D	L	....	15	.....	10- 1-47	..	Ca
-15aa3	.....do	....	B	20	18	W	Qgd	Cy	H	D	L	....	12	.....	10- 1-47	..	Ca
-15ba1	L. Jepson and A. Hitchins.	....	Du	37	.....	....	Qgd	Cy	G	D,S	L	....	20	.....	10- 1-47	49	Ca
-15ba2	.....do	....	Du	30	.....	....	Qgd	Cy	H	D	L	....	15	.....	10- 1-47	48	Ca
-15dc1	J. and G. Lovold	....	B	.....	.....	....	Qgd	Cy	W	D,S	L	....	15	.....	10- 9-47	49	Ca
-17cc1	A. Swope	....	Du	17.8	.....	....	Qgd	N	N	N	Tco	.0	12.55	.....	10- 9-47	..	Ca
-19dddd1	U.S.B.R.	1951	Dr	51.0	1	P	Qgd	N	N	O	Tca	2.1	22.54	.....	10-16-51	..	Ca; L; Wl
-19dddd2	.....do	1951	Dr	22.0	1	P	Qgd	N	N	O	Tca	2.4	22.50	.....	10-16-51	..	Ca; Wl
-19dddd3	.....do	1951	Dr	11.0	1	P	Qgd	N	N	O	Tca	1.7	10.70	.....	8- 5-53	..	Wl
-20dddd1	.....do	1951	Dr	133.0	1	P	Qgd	N	N	O	Tca	2.4	14.62	.....	10-16-51	..	Ca; L; Wl
-20dddd2	.....do	1951	Dr	18.0	1	P	Qgd	N	N	O	Tca	2.6	11.82	.....	10-16-51	..	Ca; Wl
-22bc1	G. Akin	....	Dr	975	.....	P	Kd	Cy	W	D,S	L	....	25	.....	10- 1-47	55	Ca

Spink County--Continued

116-64-26aaaa1	U.S.B.R.	1951	Dr	125.0	1	P	Qgd	N	N	O	Tca	1.2	11.70	.....	10-16-51	..	L; Wl
-26aaaa2	.....do.	1951	Dr	18.0	1	P	Qgd	N	N	O	Tca	1.7	12.25	.....	10-16-51	..	Wl
-26aaaa3	.....do.	1951	Dr	.....	1	P	Qgd	N	N	O	Tca	-.1	10.43	.....	10-16-51	..	D; Wl
-27cb1	F. Hirtzel.	....	Dr	950	.....	P	Kd	Cy	G	D,S	L	....	25	.....	10- 1-47	..	Ca
-30aa1	B. Matheny.	....	Du	35	36	C	Qgd	Cy	W,G	D,S	L	....	25	.....	10- 2-47	..	Ca
-31bb1	F. Cleberg.	....	Du	30	.....	....	Qgd	Cy	H	D,S	L	....	23	.....	10- 1-47	49	Ca
-32aa1	R. Sharp.	....	Du	23.0	24	....	Qgd	Cy	G	D,S,O	Bp	.2	17.43	.....	4-10-46	49	Ca; Wl
-65- 3aaaa2	U.S.B.R.	1952	Dr	29.0	1	P	Qgd	N	N	O	Tca	2.0	16.68	.....	8-27-52	..	Wl
-23dddd2	.....do.	1951	Dr	18.0	1	P	Qgd	N	N	O	Tca	2.9	10.53	.....	10-16-51	..	Wl
117-60-31cc1	Chicago and North Western Railway.	....	Dr	500	.....	P	.....	....	....	RR	...	....	.....	.....	.....	..	L
-61- 1cccal	John Rahm.	....	Dr	930	2	P	Kd	F	N	S	...	....	.....	F1.2m	10-20-55	60	
- 2baaal	Joe Rahm.	....	Dr	.....	2¼	P	Kd	F	N	D,S	...	....	.....	F1.25m	10-20-55	53	
- 3bbbb1	Vogel.	....	Dr	.....	1⅝	P	Kd	F	N	S	...	....	.....	F1.8m	10-20-55	53	
- 3dddd1	H. Swain.	....	Dr	930+	1½	P	Kd	F	N	D,S	...	....	.....	F2.3m	10-20-55	62	
- 5abbal	F. Troske.	1946	Dr	980	3,2	P	Kd	F	N	D,S	...	....	.....	F22r	1946	..	Ca; 2d flow
														Fu	9-21-55	..	
- 6aaaal	J. Jansen.	1908	Dr	890	1½	P	Kd	F	N	D,S	...	....	.....	F2.0m	9-28-55	62	Ca; 1st flow
- 6cbbb1	U.S.B.R.	1955	Dr	38.9	1¼	P	Qgd	N	N	O	Tca	4.4	28.19	.....	4-25-55	..	L; Wl
- 7aabc1	C. Gavette.	....	Dr	.....	2	P	Kd	F	N	S	...	....	.....	F2e	9-28-55	..	
- 7ddcd1	S. Iverson.	1948	Dr	950	1½	P	Kd	F	N	D,S	...	....	.....	F30r	9-21-55	..	Ca; R,1955
- 7ddcd2	.....do.	....	Du	24.2	36	P	Qld	Cy	H	O	Tca	2.3	17.28	.....	9-21-55	..	Wl
- 8aaaal	E. Blain.	1945	Dr	900	2,1	P	Kd	F	N	D,S	...	....	.....	F12r	9-21-55	..	
-10bcbd1	J. Redelfs.	....	Dr	900	1	P	Kd	F	N	D,S	...	....	.....	F1.6m	10-20-55	58	Ca; R,1950
-11bbaa1	Welch.	....	Dr	.....	1½	P	Kd	F	N	N	...	....	.....	F.8m	10-20-55	59	
-13bbaa1	Mrs. F. Rainford.	1954	Dr	1,061	2	P	Kd	F	N	D,S	...	....	.....	F1.0m	10-20-55	58	Ca; L
-14bbbc1	O. Basler.	1947	Dr	1,000	.....	P	Kd	F	N	D,S	...	....	.....	F2r	1947	..	Ca; 1st flow
														F.5m	10-20-55	55	
-14bbbc2	.....do.	....	B	20	24	W	Qgd	Cy	H	N	...	....	.....	.....	10-20-55	..	Ca
-15dddd1	.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F1.7m	10-20-55	..	
-17baaa1	C. Province.	1933	Dr	960	1¼	P	Kd	F	N	D,S	...	....	.....	F1.25m	9-21-55	59	R,1952
-17ddcc1	I. Aldrich.	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2r	9-21-55	..	R,1954
-18cdab1	R. Groft.	....	Du	10	36	C,P	Qld	Cy	H	D	...	....	.....	.....	9-22-55	..	Ca; water reported soft.
-18cdab2	.....do.	....	Du	10	36	W	Qld	....	....	S	...	....	.....	.....	9-27-55	..	
-18cdbc1	.....do.	....	Du	16.9	36	W	Qld	Cy	W	S	Tca	.1	13.46	.....	9-22-55	..	
-19dccc1	J. Groft.	....	Du	25	36	....	Qgd	Cy	E	D,S	L	....	23	.....	9-28-55	..	Ca; pumps dry
-20addd1	R. Battest.	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F1+r	9-21-55	..	Recased
-21cdcd1	H. Woodring.	....	Dr	1,000	1¼	P	Kd	F	N	D,S	...	....	.....	Fs	9-20-55	..	
-21cdcd2	.....do.	....	Du	16.1	24	C	Qgd	N	N	O	Tca	.3	12.00	.....	9-20-55	..	Wl
-24baaa1	L. Wilson.	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F1.0m	10-25-55	..	
-25dddd1	C. Edwards.	....	Dr	980±	.....	P	Kd	Cy,J	E	D,S	...	....	.....	.....	10-20-55	..	
-26addd1	C. Distad.	....	Dr	.....	.....	P	Kd	F,J	E	D,S	...	....	.....	Fs	10-20-55	..	
-27dddd1	.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F.9m	10-20-55	..	
-28bcbc1	E. Sapp.	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	9-20-55	..	
-28bcbc2	.....do.	....	Du	30	20	....	Qgd	Cy	H	N	...	....	.....	.....	9-20-55	..	
-28cbbc1	F. Paul.	1907	Dr	900+	.....	P	Kd	F	N	N	...	....	.....	F3.8m, Fr	9-20-55	60	
-29bbcc1	E. Blain.	....	Du	21.4	24	W	Qgd	Cy	W	S,O	Tca	1.2	19.23	.....	9-20-55	..	Ca; Wl; supplies 80 cows.
-30abad1	G. Freeburg.	1910	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F5.0m	9-22-55	61	
-31abba1	H. Denison.	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F2.3m	9-22-55	59	Supplies 2 farms.
-31cdcd1	G. Franz.	1915	Dr	1,000±	2½	P	Kd	F	N	D,S	...	....	.....	F3.75m	9-22-55	..	Wscs
-32baaa1	C. Deming.	....	Du	27	36	W,C	Qgd	J	E	D,S	L	....	20	.....	9-20-55	..	Ca
-32ddcd1	M. Muxen.	....	Dr	12-15	6,2	T,P	Qgd	J	E	D,I	...	....	.....	.....	9-22-55	..	Ca; Sp; water reported to contain 35 grains hardness.
-32ddcd2	.....do.	....	Dr	.....	6,2	T,P	Qgd	J	E	S	...	....	.....	.....	9-22-55	..	Ca; Sp
-32ddcd3	.....do.	....	Du	.....	36,2	W,P	Qgd	Cy	W	N	...	....	.....	.....	9-22-55	..	Sp; water reported to be of poor quality.
-33addd1	M. Swain.	....	Du	23.2	40	W,C	Qgd	Cy	E	D,S,O	Tca	1.3	18.05	.....	9-20-55	48	Ca; Wl
-33cdcc1	W. Battest.	....	Du	28	.....	....	Qgd	Cy	W	D,S	L	....	23	.....	9- 9-55	..	Ca
-35bbbb1	W. James.	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F1.0m	10-20-55	..	
-35bbbb2	.....do.	....	B	.....	24	T	Qgd, Kp(?)	Cy	E	S	...	....	.....	.....	10-20-55	..	Ca

Table A.--(continued)

Spink County--Continued

117-62- 1bc1	E. Hagatz.....	....	Dr	870	1	P	Kd	N	N	N	...	....	.....	.....	6-13-55	..	R,1954; subsequently flowed mud and ceased flowing.
- 1bc2	.....do.....	1954	Dr	86.0	4	P	Qld	Cy	E	S	...	....	20	.....	1954	..	L; water reported
													20	.....	6-13-55	48	hard.
- 3ab1	Miss A. Baselar.....	....	B	25.5	24	W	Qld	Cy	G	D,S,O	Tco	1.7	20.98	.....	6-14-55	..	W1
- 3cbbb1	Mrs. E. Bastian.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1e	9-16-55	..	
- 4aabb1	Mrs. Nicholson.....	....	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	F1.4m	9-16-55	..	
- 5aadd1	Mrs. O. Boub.....	....	Dr	.....	.....	P	Kd	F	N	D;S	...	....	.....	F.5r	9-16-55	..	Wt
- 5baaa1	L. Nicholson.....	....	Dr	.....	2½	P	Kd	F	N	S	...	....	.....	F2.1m	9-14-55	..	
- 5daaa1	U.S.B.R.....	1955	Dr	35.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
- 6cccc1	.....do.....	1953	Dr	20.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
- 7dabb1	R. Retland.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fr, F.33m	9-14-55	..	
- 8aaad1	S. DeYoung.....	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F2r	9-16-55	..	
- 8bccc1	W. Cottrell.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F.5e	9-14-55	..	
- 8daaa1	A. Dobrusky.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F3r	9-16-55	..	
- 9abbb1	S. DeYoung.....	1951	B	25.7	24	W	Qld	T	G	S,O	Tca	1.0	22.21	.....	9-16-55	..	Ca; W1; pumping
- 9cbcc1	L. Solheim.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1.9m	9-16-55	57	
-10bbbb1	F. Bendenagel.....	....	Du	25.8	36	C	Qld	Cy	W,H	N	Tco	.2	22.22	.....	9-16-55	..	Water has foul odor.
-10cb1	.....	....	Du	23.0	36	C	Qld	N	N	N	Tco	1.0	20.13	.....	6-14-55	..	
-11baaa1	L. Hanson.....	1947	Dr	.....	3,2	P	Kd	F	N	D,S	...	....	.....	F20r	1947	..	
														F10r,Fr	6-13-55	56	
-11cddc1	N. Johnsen.....	1948	Dr	965	.....	P	Kd	F	N	D,S	...	....	+28	F3.3m	1954	..	Ca
														F4.0m	9-15-55	60	
-12bc1	L. Luxton.....	1912	Dr	970	.....	P	Kd	F	N	D,S	...	....	.....	F2.5e	6-14-55	..	
-12dddd1	M. Harlow.....	1905	Dr	880	2	P	Kd	F	N	D,S	...	....	.....	F5r	6-13-55	..	1st flow
-12dddd2	.....do.....	1945	Du	23.7	2½	W	Qld	Cy	W	N	Tca	1.0	17.11	.....	6-13-55	..	
-13ba1	C. Luxton.....	1919	Dr	1,050	2	P	Kd	F	N	D,S	...	....	.....	F5e	6-13-55	..	Recased
-13badaa1	U.S.B.R.....	1953	Dr	73.0	8	P	Qld	T	G	AT	Tca	2.3	18	.....	9- 9-53	49	Ca; L; water unfit for irrigation.
-14cbcc1	O. Golson.....	....	Du	23.5	36	P	Qld	C	E	S	Tca	2.9	22.39	.....	9-29-55	..	Ca
													21.70	.....	5-21-56	..	
-15addaa1	Underhill.....	....	Du	.....	36	P	Qld(?)	....	E	S	...	....	.....	.....	9-29-55	..	Ca
-16bccc1	Mrs. E. Bastian.....	....	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	F55r	1943	..	Ca; 2d flow
														Fu	9-16-55	..	
-17baaa1	C. Gavette.....	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F.7m	9-29-55	58	R,1946
-17dddd1	W. Ruschenberg.....	....	Dr	1,000	3	P	Kd	F	N	D,S	...	....	.....	F1.7m	9-16-55	55	
-18aaaa1	U.S.B.R.....	1953	Dr	49	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-18adaa1	S. Eisele.....	1904	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F.7m	9-29-55	57	R,1932
-19dddd1	F. Gibson.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.17m	9-14-55	..	
-19dddd2	U.S.B.R.....	1955	Dr	22.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-20baab1	S. Eisele.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F1.4m	9-16-55	55	
-20cbbc1	M. Lambert.....	....	Dr	.....	.....	P	Kd	F	N	N	...	....	.....	Fu	9-15-55	..	
-20daaa1	G. Frericks.....	1943	Dr	1,016	1½	P	Kd	F	N	D,S	...	....	.....	F3.0m	9-16-55	61	
-20dccc1	M. Lambert.....	1910	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	F3e	9-15-55	58	
-21dccc1	C. Swanson.....	....	Du	30	.....	....	Qld	N	N	N	L	....	28	.....	9-15-55	..	
-21dccc2	.....do.....	1946	Dr	1,100-	2	P	Kd	F	N	D,S	...	....	.....	F5.0m	9-15-55	58	
-23abba1	O. Golson.....	1948	B	22.7	24	P	Qld	Cy	W,G	S,O	Tma	2.6	19.85	.....	9-15-55	..	W1; water reported soft
-24baab1	.....do.....	1947	Dr	1,040	2	P	Kd	F	N	D,S	...	....	.....	F15+e	9-15-55	61	
-26bbcc1	P. Blaine.....	....	Du	21.0	.....	....	Qld	J	E	D,S,O	Tn	2.0	17.26	.....	5-18-56	48	Ca; W1; water reported to contain 60 grains hardness.
-28bbbb1	H. Olson.....	....	Dr	.....	2¼	P	Kd	F	N	D,S	...	....	.....	F2.3m	9-15-55	55	
-29daaa1	.....	....	Dr	.....	2	P	Kd	F	N	N	...	....	.....	F1.8m	9-15-55	60	
-30aadd1	Mrs. K. Eimers.....	1908	Dr	916	¾	P	Kd	F	N	D,S	...	....	.....	F1.4m	9-14-55	55	Ca; R,1938
-30cddc1	B. Schutte.....	1908	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F2.5r	9-14-55	..	Recased
-31bccc1	Wagner Estate.....	....	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	F.17m	9-14-55	55	
-31dcdc1	Mrs. B. Robinson....	1927	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F4.0m	9-14-55	59	
-31dddd1	U.S.B.R.....	1955	Dr	21.0	1¼	P	Qld	N	N	O	Tca	3.2	19.30	.....	5-23-56	..	L; W1
-32aaba1	A. Ruschenberg.....	1955	Dr	963	.....	P	Kd	F	N	D,S	...	....	.....	.....	.....	..	L
-32abaa1	.....do.....	1896	Dr	840	6,2¼	P	Kg(?), Kd(?)	F	N	D,S	...	....	.....	F500r	1896	..	
														F.4m	9-14-55	..	
-33aaaa1	J. Heinmiller.....	1942	Dr	800	.....	P	Kg(?)	F	N	D,S,I	...	....	.....	F2.3m	9-15-55	..	R,1955; Wt

Spink County--Continued

117-62-33aaaa2	J. Heinmiller.....	1942	Du	34	48,8	C,P	Qld	Cy	H	N	...	....	.....	.....	9-15-55	..	
-33dcccl	U.S.B.R.....	1955	Dr	30.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-35bbl	C. Cooke.....	....	Du	28.3	18	W	Qld	Cy	E	D,S,O	Tca	1.3	22.92	.....	6-26-47	..	Ca; Wl
-35dcdcl	F. Starr.....	1925	Dr	940	.....	P	Kd	F	N	D,S	...	....	.....	F70r Fu	1925 9-15-55	.. ..	
-35dcdc2	.....do.....	....	Du	22	18	T	Qld	Cy	H	I,O	Tca	1.3	13.72	.....	9-15-55	..	Ca; Wl
-36dbbbl	M. Muxon.....	....	Dr	.....	2	P	Kd	F	N	S	...	....	.....	F2.3m	9-22-55	..	
-36dcccl	.....do.....	1925	Dr	1,000-	.....	P	Kd	F	N	D,S	...	....	.....	F1.7m	9-22-55	..	
-63-20bcccl	U.S.G.S.....	1956	J	30.0	¾	P	Qgd	N	N	O	Tca	3.4	17.12	.....	7-16-56	..	L; Wl
-26bbbbl	.....do.....	1956	J	20.0	¾	P	Qgd	N	N	O	Tca	2.9	9.43	.....	7-16-56	..	L; Wl
-64- 4cbddl	U.S.B.R.....	1953	Dr	119.0	1¼	P	Qgd	N	N	N	Tca	.8	17.26	.....	10-20-53	..	L
- 4cbdd2	.....do.....	1953	Dr	110.0	8	P	Qgd	T	G	AT	Tca	.0	17.83	.....	10-20-53	49	Ca; D
- 9ccl	B. Nelson.....	....	B	29	24	T	Qgd	Cy	G	D,S	L	....	23	.....	8-17-49	48	Ca
-19dbl	R. Boyd.....	....	.....	18	24	W	Qgd	Cy	G	S	Tco	2.0	13.53	.....	8-18-49	48	Ca
-20cdl	W. Siebrecht.....	....	Du	55	18	C	Qgd	Cy	G	D,S	...	....	.....	.....	8-11-49	51	Ca; pumps dry easily
-27aabal	U.S.B.R.....	1955	Dr	41.7	1¼	P	Qgd	N	N	O	Tca	3.9	15.57	.....	9-26-55	..	L; Wl
-32dddd1	.....do.....	1952	Dr	40.0	1	P	Qgd	N	N	O	Tca	3.3	11.77	.....	8-27-52	..	Ca; L; Wl
-33dcl	E. Moore.....	....	Du	21.5	36	W	Qgd	Cy	G	S	Tca	2.7	15.80	.....	8-17-49	49	Ca
-35ddddl	U.S.B.R.....	1952	Dr	24.0	1	P	Qgd	N	N	O	Tca	1.9	19.41	.....	8-27-52	..	Ca; L; Wl
118-61- 1ddddl	T. Simonson.....	....	Dr	1,200	.....	P	Kd	F,J	E	D,S	...	....	.....	F2.75m	10-25-55	..	
- 2bddl	V. LaBrie.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F3r	10-27-55	..	
- 2caaal	T. Fey.....	1950	B	18	24	P	Qgd	Cy	H	N	...	....	.....	.....	10-27-55	53	Ca
- 2dcccl	H. Rahm.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F3.8m	10-27-55	..	Ca
- 3baccl	C. Thomas.....	1949	B	29	24	P	Qgd	Cy	H	D,S	...	....	.....	.....	10-27-55	..	Supply inadequate.
- 3bbbbl	U.S.G.S.....	1956	J	33.0	¾	P	Qld	N	N	N	Tca	4.3	17.04	.....	7-26-56	..	
													16.88	.....	8-28-56	..	
													17.81	.....	10- 4-56	..	
- 3cdddl	G. Rahm.....	....	Dr	.....	.....	P	Kd	F,J	....	D,S	...	....	.....	F1.5m	10-27-55	..	Ca
- 4aaaal	U.S.B.R.....	1955	Dr	40.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
- 5adaal	J. Ondell.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1.1m	9-21-55	60	
- 5cdddl	E. Christensen.....	....	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	F2.4m	9-21-55	57	
- 6bbcbl	Mrs. E. Hoffman.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F.8m	9-21-55	..	
- 6ccccl	Mrs. C. Hansen.....	....	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	F2e	9-21-55	..	
- 7daddl	Miss E. Wendt.....	1916	Dr	960	1½	P	Kd	F	N	D,S	...	....	.....	F1.5m	9-21-55	56	Supplies 2 homes.
- 8baaal	Mrs. M. Cambell.....	....	Dr	960	1	P	Kd	F	N	D,S	...	....	.....	F.4m	9-21-55	53	
- 9cccol	U.S.G.S.....	1956	J	24.0	¾	P	.....	N	N	O	Tca	3.8	14.48	.....	7-26-56	..	L; Wl
- 9ddccl	J. LaBrie.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F3.8m	9-29-55	62	
-10aadcl	V. Becker.....	1939	Dr	1,012	2	P	Kd	F	N	D,S	...	....	.....	F15r	1939	..	
														F7.5m	10-27-55	64	Ca
-12cdccl	J. Rahm.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F3e	10-25-55	..	
-14ccddl	.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F2e	10-25-55	..	
-14dcddl	F. Beauvais.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2.5m	10-25-55	62	Recased
-14dcdd2	.....do.....	....	Dr	.....	1	P	Kd	F	N	N	...	....	.....	Fs	10-25-55	..	
-15bbbbl	L. Thelen.....	1912	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	F5.0m	10-27-55	61	Ca
-15dddd1	W. and A. Miller.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1e	10-25-55	..	
-17addd1	E. McCormack.....	1936	Dr	960	¾	P	Kd	F	N	S	...	....	.....	F2.1m	9-29-55	..	Ca; R,1946
-21dcdcl	Mrs. E. Becker.....	1947	Dr	960	¾	P	Kd	F	N	D,S	...	....	.....	F3.2m	9-28-55	..	
-23ccdcl	A. Miller.....	....	Dr	.....	2½	P	Kd	F	N	S	...	....	.....	F1e	10-25-55	59	
-23dddcl	.....	....	Dr	.....	¾	P	Kd	F	N	N	...	....	.....	Fs	10-25-55	50	
-25caccl	.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F2.0m	10-25-55	..	
-26babal	.....	....	Dr	.....	1½	P	Kd	F	N	N	...	....	.....	F3e	10-25-55	64	
-28ccccl	Union Central Life Insurance Co.	....	Dr	.....	.....	P	Kd	F	N	N	...	....	.....	Fs,Fr	9-21-55	..	
-29bbbbl	P. Hansen.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2.1m	9-28-55	..	
-29ccbbl	F. Steffas.....	....	Du	.....	18	W	Qld	Cy	G	O	Tca	1.7	20.97	.....	9-28-55	..	Wl; water has foul odor.
-29ddddl	A. Stoller.....	....	Dr	996	2	P	Kd	F	N	D,S	...	....	.....	F50r	1919	..	
														Fu	9-21-55	..	Recased
-32bcbcl	C. Hansen.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fr, Fl.5m	9-28-55	..	Full flow, 2e to 3e.
-35bbabl	O. St. Peter.....	1910	Dr	980	.....	P	Kd	F	N	D,S	...	....	.....	Fl.5e	10-25-55	61	Ca
-62- 1aaabl	U.S.B.R.....	1955	Dr	40.3	1¼	P	Qld	N	N	O	Tca	3.4	18.46	.....	9-26-55	..	L; Wl
- 2cdddl	M. Haven.....	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	Fl.36m	9-23-55	53	R, 1940

Table A.--(continued)

Spink County--Continued

118-62- 2dddd1	E. Olson.....	1925	Dr	975	2	P	Kd	F	N	D,S	...	....	.....	F5.4m	9-21-55	61	Ca
- 4bbbb1	Mrs. A. Holdorf.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F2.7m	10- 4-55	..	
- 4dccd1	.....do.....	1945	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F1.65m	9-23-55	61	
- 5ccccl	G. Sievers.....	1912	Dr	850	1	P	Kd	F	N	D.S	...	....	.....	F.5m	9-23-55	53	R,1929
- 5dcdd1	D. Sievers.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F.6m	9-23-55	..	Recased
- 7dddd1	L. Spink.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1.7m	9-30-55	59	
- 8bbbb1	G. Sievers.....	1955	Dr	80.2	4	P	Qgd	J	E	S	Tca	1.5	19.28	.....	9-23-55	..	Ca; L
- 8ccccl	Draper Farm.....	....	Dr	970	1	P	Kd	F	N	D,S	...	....	.....	F1.25m	9-30-55	58	
- 9bcbb1	T. Haney.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F3.8m	9-30-55	62	Recased
- 9cbbb1	C. Miller.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	Fr, F1.35m	9-30-55	..	
- 9dddd1	U.S.G.S.....	1956	J	22.0	¾	P	Qld	N	N	O	Tca	6.2	19.69	.....	7-26-56	..	L; W1
-10ccccl	C. Spear.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1.8m	9-30-55	58	Recased
-11abbb1	Mrs. L. Clausen.....	1916	Dr	952	1	P	Kd	F	N	D,S	...	....	.....	F18r F3.0m	1916 9-23-55	.. 53	Ca; 1st flow
-14abbal	J. Hansen.....	1912	Dr	.....	2	P	Kd	F	N	S	...	....	.....	F7.5m	9-30-55	57	Recased
-14ddaal	.....do.....	....	B	32	24	T	Qld	Cy	W	O	Tn	1.0	12.21	.....	5-21-56	..	W1;does not pump dry.
-14ddaa2	.....do.....	....	Dr	.....	3,2	P	Kd	F	N	D,S	...	....	.....	F5.0m	9-30-55	55	Supplies 2 homes.
-17dddd1	L. McLain.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F.7m	9-30-55	..	
-18aadal	K. Olson.....	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F1.25m	9-30-55	..	
-19daadl	U.S.B.R.....	1955	Dr	34.5	4	P	Qld	N	N	O	Trp	2.3	15.29	.....	5- 6-55	..	L; Rg; W1
-20aabb1	.....	....	Dr	.....	1	P	Kd	F	N	S	...	....	.....	F.66m	9-30-55	57	
-21baaal	C. Holdorf.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	+18	F1.2m F2.1m	1954 9-30-55	.. 56	Recased
-22aaaal	H. Hansen and E. Williams.	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F.6m	9-29-55	..	Recased; supplies 2 farms.
-23addc1	P. Hansen.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F3.1m	9-30-55	58	Recased
-24adddl	C. Crain.....	1949	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	F5.0m	9-29-55	55	Ca; 2d flow
-27daaal	C. Hinkle.....	....	Du	29.1	24	P	Qld	Cy	W	O	Tca	1.1	17.52	.....	9-29-55	..	W1
-28cbccl	H. Siebrecht.....	1925	Dr	750	¾	P	Kg(?)	F	N	D,S	...	....	.....	F.66m	9-29-55	..	Recased
-29dccc1	L. O'Daniel.....	1945	Dr	1,000-	1½	P	Kd	F	N	D,S	...	....	.....	F5.0m	9-16-55	61	
-29dccc2	.....do.....	....	Dr	.....	1	P	Kd	F	N	N	...	....	.....	F.25m	9-16-55	53	
-30adddl	R. Lewis.....	1907	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Flr	9-30-55	..	Ca; recased; 1st flow
-30cbccl	A. Clausen.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Flr	9-29-55	..	
-31aaaal	U.S.B.R.....	1955	Dr	19.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-31cbbb1	H. Vanderbilt.....	1950	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	F5.0m	9-14-55	62	
-31cbbb2	.....do.....	....	Dr	.....	1½	P	Kd	F	N	N	...	....	.....	Fs	9-14-55	..	
-32bbbb1	E. Williams.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F1.5m	9-30-55	..	
-33cddd1	Mrs. F. Bastian.....	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F2.1m	9-29-55	59	
-35abbal	M. Hubka.....	....	Du	32.5	18	P	Qld	Cy	H	O	Tco	1.5	13.05	.....	9-29-55	..	W1
-35bbbb1	U.S.B.R.....	1955	Dr	70.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-63- 1cddd1	.....do.....	1955	Dr	40.0	1¼	P	Qgd	N	N	O	Tca	3.3	22.04	.....	7-29-55	..	L; W1
- 3aaaal	.....do.....	1955	Dr	117	.....	N	.....	N	N	N	L	....	25	.....	4-14-55	..	L
-16aaaal	U.S.G.S.....	1956	J	31.0	¾	P	Qld	N	N	O	Tca	3.9	19.65	.....	8-23-56	..	L; W1
-28bbbb1	U.S.B.R.....	1953	Dr	148.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-32bccd1	.....do.....	1955	Dr	35.0	1¼	P	Qld	N	N	O	Tca	3.2	28.55	.....	6-23-55	..	L; W1
-35bbbb1	.....do.....	1955	Dr	28.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-36aadl	W. Roberts.....	1953	Dr	180	4	....	Qgd	Cy	E	S	...	....	.....	.....	6-23-55	51	Ca; water is salty.
-64- 7ccccl	U.S.B.R.....	1951	Dr	53.0	1	P	Qgd	N	N	O	Tca	2.2	21.15	.....	9-28-51	..	Ca; L; W1
- 7cccc2	.....do.....	1951	Dr	19.0	1	P	Qld	N	N	O	Tca	1.9	11.53	.....	9-28-51	..	Ca; W1
- 8ccccl	.....do.....	1951	Dr	43.0	1	P	Qgd	N	N	O	Tca	.8	15.16	.....	9-28-51	..	Ca; L; W1
- 8cccc2	.....do.....	1951	Dr	19.0	1	P	Qld	N	N	O	Tca	.7	11.18	.....	9-28-51	..	Ca; W1
- 8dccc1	.....do.....	1955	Dr	41.8	1¼	P	Qgd	N	N	O	Tca	3.3	16.50	.....	9-26-55	..	L; W1
- 9dddd1	.....do.....	1951	Dr	58.0	1	P	Qgd	N	N	O	Tca	2.2	26.18	.....	9-28-51	..	Ca; L; W1
- 9dddd2	.....do.....	1951	Dr	31.0	1	P	Qgd	N	N	O	Tca	2.0	21.40	.....	9-28-51	..	Ca; W1
- 9dddd3	.....do.....	1951	Dr	18.5	1	P	Qld	N	N	O	Tca	2.5	7.74	.....	9-28-51	..	Ca; W1
-11bcccl	.....do.....	1955	Dr	40.3	1¼	P	Qgd	N	N	O	Tca	3.3	19.80	.....	9-26-55	..	L; W1
-12dddd1	.....do.....	1951	Dr	45.0	1	P	Qgd	N	N	O	Tca	1.0	19.50	.....	9-28-51	..	Ca; L; W1
-12dddd2	.....do.....	1951	Dr	18.0	1	P	Qld	N	N	O	Tca	1.4	12.24	.....	9-28-51	..	Ca; W1
-13bbbb1	.....do.....	1951	Dr	45.0	1	P	Qgd	N	N	O	Tca	1.2	29.20	.....	9-28-51	..	Ca; L; W1
-13bbbb2	.....do.....	1951	Dr	18.0	1	P	Qld	N	N	O	Tca	.9	8.01	.....	9-28-51	..	Ca; W1
-21dbl	H. Terry.....	....	Dr	75	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-27adddl	U.S.B.R.....	1955	Dr	45.0	1¼	P	Qgd	N	N	O	Tca	3.0	19.08	.....	9-26-55	..	L; W1
-34bcddl	.....do.....	1953	Dr	67.0	8	P	Qgd	T	G	AT	Tca	1.7	27.36	.....	10-10-53	49	Ca

Spink County--Continued

118-64-34bcdd2	U.S.B.R.	1953	Dr	90.0	1¼	P	Qgd	N	N	N	Tca	1.0	27.12	.....	10-10-53	..	D; L
-35a1	Chicago, Milwaukee, St. Paul and Pacific Railroad.	1943	Dr	902	6	P	Kd	....	....	RR	...	....	.....	.....	10-16-56	..	Plugged
-35adb1	.....do.....	1925	Dr	1,002	4½,1¼	P	Kd	N	N	N	...	....	.....	F75r	1925	..	L
-65-10cccc2	U.S.B.R.	1951	Dr	25.0	1	P	Qgd	N	N	O	Tca	.8	12.45	.....	9-28-51	..	W1
-12cccc2	.....do.....	1951	Dr	15.0	1	P	Qgd	N	N	O	Tca	-.2	9.78	.....	9-28-51	..	W1
119-61- 1abaa1	.....	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F5e	9- 9-55	..	
- 2abbb1	U.S.B.R.	1955	Dr	40.5	1¼	P	Qgd	N	N	O	Tca	3.2	14.16	.....	7-29-55	..	L; W1
- 2ccdd1	E. LaBrie	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F2.3m	9- 9-55	61	R,1946
- 3daad1	L. Klapprich	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F5r	9- 9-55	..	
- 4cc1	B. Fey	....	Dr	800+	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-29-55	..	
- 5cddc1	L. Smith	....	Dr	880	1	P	Kd	F	N	D,S	...	....	.....	Fu	8-30-55	..	Ca
- 6aaad1	U.S.B.R.	1955	Dr	65.0	4	P	Qld	N	N	O	Trp	4.0	23.15	.....	5- 6-55	..	L; Rg; W1
- 6ba1	A. Clemensen	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F10e	8-29-55	..	
- 7ab1	R. Hitchcock	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-29-55	61	
- 7ba1	R. Clemensen	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-29-55	61	
- 9ab1	H. Newberry	....	Du	.....	20	P	Qld	Cy	H	D,O	Tca	.5	13.99	.....	8-29-55	..	Ca; W1
- 9ab2	.....do.....	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-29-55	..	
-10abaa1	Newberry	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F4.1m	11- 9-55	..	
-11bbaa1	M. Worlie	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F5.0m	11- 9-55	62	
-12aadd1	M. Bickel	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1e	10-26-56	..	
-12aadd2	.....do.....	1954	Dn	15	.....	....	Qld	Su	G	I	L	....	10	.....	10-26-56	..	
-12dddd1	G. Harpel	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F5e	10-26-56	60	Wci; water tastes salty.
-13aaaa1	B. Van Hatten	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	+22	F.5m	1954	..	
														F3.7m	10-26-55	60	
-15dbaa1	J. Hines	....	Dr	.....	2	P	Kd	F	N	S	...	....	.....	F5.0m	11- 9-55	62	Recased
-17cb1	F. Matheny	....	Dr	.....	½	P	Kd	F	N	D,S	...	....	.....	F2.5m	8-29-55	56	R,1949
-20ba1	G. Bradley	....	Dr	1,000	1	P	Kd	F	N	D,S	...	....	.....	F3.0m	8-30-55	61	
-20dd1	H. Thomas, Jr.	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	Fu	8-30-55	..	
-22aabb1	M. Worlie	....	Dr	1,000+	.....	P	Kd	F	N	D,S	...	....	.....	F3r	11- 9-55	..	Water formerly was turbid.
-22bbaa1	W. Morgan	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	F3.8m	11- 9-55	59	
-22bbbb1	U.S.G.S.	1956	J	30.0	1¼	P	Qld	N	N	O	Tca	5.2	11.86	.....	7-26-56	..	L; W1
-22cddd1	C. Thomas	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F2r	11- 9-55	..	Wt
-23cddd1	H. Rahm	....	Dr	.....	2½	P	Kd	F	N	D,S	...	....	.....	F5.0m	11- 9-55	60	
-24bccc1	.....	....	Dr	.....	¾	P	Kd	F	N	N	...	....	.....	.....	10-27-55	..	Fc
-25cddc1	L. Remily	....	Du	14.5	24	W	Qgd	N	N	O	Tco	1.3	11.38	.....	10-27-55	..	W1
-25cddc2	.....do.....	....	Dr	264.6	2	P	.....	N	N	O	Tca	-.1	29.60	.....	10-27-55	..	W1
-29cddd1	R. Christensen	1943	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F3.7m	8-30-55	59	Ca
-32bb1	G. Snyder	....	Dr	1,000+	2	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-30-55	62	
-32cd1	J. Christensen	....	Dr	900	¾	P	Kd	F	N	D,S	...	....	.....	Fu	8-30-55	..	
-33ad1	H. Thomas	1955	Dr	1,050	3,2	P	Kd	F	N	D,S	...	....	.....	F25r	5-10-55	..	Ca; L
-34cdcc1	L. Ewing	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.36m	10-27-55	..	
-62- 1abbb1	Mrs. D. O'Donnell	1915	Dr	840	1¼	P	Kd	F	N	D,S	...	....	.....	F1.5m	10- 5-55	57	
- 3aaaa1	U.S.B.R.	1955	Dr	80.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
- 3bbbb1	C. Thomas	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	F2.5m	10- 6-55	55	
- 4cddd1	E. Blain	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2.14m	10- 6-55	..	
- 5babb1	L. Williams	....	Dr	1,000	¾	P	Kd.	F	N	D,S	...	....	.....	F.75m	9-19-55	54	Ca; R,1931
- 6baaa1	U.S.B.R.	1955	Dr	25.9	1¼	P	Qld	N	N	O	Tca	2.0	18.90	.....	6-23-55	..	L; W1
- 6daaa1	L. Styles	....	Dr	.....	3	P	Kd	F	N	D,S	...	....	.....	F4.0m	9-19-55	53	
- 7ddcd1	R. Bohl	1901	Dr	925	1	P	Kd	F	N	D,S	...	....	.....	F4.5r	9-23-55	..	R,1936
- 8bbbb1	A. Styles	1921	Dr	1,019	.....	P	Kd	F	N	D,S	...	....	.....	F3r	9-19-55	..	
- 9babb1	L. Kettering	1925	Dr	909	.....	P	Kd	F	N	D,S	...	....	+18	F3.3m	1954	..	Ca; Recased; Wt
														Fu	10- 6-55	..	
- 9dddd1	Mrs. D. Baumgarten	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F1.5m	10- 6-55	..	R,1948
-10dddd1	U.S.G.S.	1956	J	26	1¼	P	Qld	N	N	O	Tca	4.2	17.02	.....	7-26-56	..	L; W1
-11abbb1	F. or A. Kittleson	....	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	F2.0m	10- 5-55	62	
-11bbbb1	.....do.....	....	Dr	.....	1	P	Kd	F	N	N	...	....	.....	F4.0m	10- 5-55	57	Ca
-11ccbb1	P. Smith Estate	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F3.0m	10- 5-55	64	
-11dcdd1	A. Bindenagel	....	Dr	990	.....	P	Kd	F	N	D,S	...	....	.....	F1.8m	10- 5-55	62	
-13dddd1	Mrs. E. LaRue	....	Dr	.....	¾,2¼	P	Kd	F	N	S	...	....	.....	F2.1m	10- 4-55	62	

Table A.--(continued)

Spink County--Continued

119-62-13dddd2	U.S.G.S.	1956	J	34	1¼	P	Qld	N	N	O	Tca	2.7	19.36	.....	7-26-56	..	L; Wl
-14dcdcl	Mrs. E. LaRue	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F3r	10- 6-55	..	Wt
-15aaabl	Mrs. M. Dixon	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fr,F.4m	10- 5-55	..	
-16bbbbl	H. Kettering	1918	Dr	910	1½	P	Kd	F	N	D,S	...	....	.....	F3.0m	10- 6-55	59	Recased
-18bbbbl	L. Stuck	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1.0m	9-23-55	54	Recased
-18dcdcl		....	Dr	.....	2	P	Kd	F	N	N	...	....	.....	F.62m	9-23-55	54	
-19bbabl	L. Vollmer	....	Dr	.....	2¼	P	Kd	F	N	D,S	...	....	.....	F3.75m	9-23-55	54	
-19dddal	Mrs. A. Wallar	1950	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F2.0m	10- 5-55	..	
-21babal	J. Maier	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1.66m	10- 6-55	..	
-21dddcl	R. Howie	....	Dr	.....	... 1	P	Kd	F	N	D,S	...	....	.....	F2.7m	10- 5-55	56	R,1950
-22aaaal	S. Cowing	....	Dr	924	¾	P	Kd	F	N	D,S	...	....	.....	F1.5m	10- 5-55	60	Ca; 1st flow
-22cdccl	Mrs. M. Mielke	....	Dr	.....	1½	P	Kd	F	N	D,S	...	....	.....	Fs	10- 5-55	..	
-24abbbl	G. Mielke	....	Dr	.....	.....	P	Kd	F	N	N	...	....	.....	Fs	10- 4-55	..	
-25ccbbl	Mrs. H. Sandquist	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fs	10- 4-55	..	
-26baaal	E. Mielke	....	Dr	.....	1	P	Kd	F	N	S	...	....	.....	F1.5m	10- 6-55	..	Recased
-27aaaal	.....do	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F10r	1947	..	R,1947
														F2.75m	10- 6-55	61	
-27babbl	H. Mielke	1922	Dr	1,100	2	P	Kd	F	N	D,S	...	....	.....	F2.5m	10- 5-55	53	
-27ddddl	U.S.G.S.	1956	J	41.8	¾	P	Qgd	N	N	N	Tca	5.4	33.92	.....	7-26-56	..	L
													23.55	.....	8-28-56	..	
													22.13	.....	10- 4-56	..	
-29abaal	R. W. Howie	1900	Dr	915	.....	P	Kd	F	N	D,S	...	....	.....	F3r	10- 5-55	..	
-29bbabl	F. Woodward	....	Dr	.....	1½	P	Kd	F	N	S	...	....	.....	Fr, F.45m	9-23-55	..	
-29bbbbl	U.S.G.S.	1956	J	19.4	¾	P	Qld	N	N	O	Tca	4.9	18.09	.....	5-21-56	..	L; Wl
-30babbl	L. Vollmer	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	F.8m	10- 5-55	53	Recased
-30dcccl	F. Woodward	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F1.67m	9-23-55	..	
-31aaaal	.....do	....	Dr	.....	1¼	P	Kd	F	N	S	...	....	.....	F1.9m	9-23-55	..	
-31bcccl	E. Grandpre	1945	Dr	936	2	P	Kd	F	N	D,S	...	....	.....	F2.0m	10- 4-55	..	R,1955
-31ddddl	U.S.B.R.	1955	Dr	140.0	.....	N	.....	N	N	N	L	....	17	.....	4-12-55	..	L
-32bbbbl	F. Woodward	....	Dr	.....	2	P	Kd	F	N	S	...	....	.....	F.7m	9-23-55	57	
-32ddddl	R. Holdorf	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	Fr,F.8m	10- 4-55	56	
-33abbbl		....	Dr	.....	1½	P	Kd	F	N	N	...	....	+23	F1.4m	1954	..	
														F.4m	10- 4-55	59	
-34babbl		....	Dr	.....	1½	P,C	Kd	F	N	D,S	...	....	.....	F2e	10- 4-55	57	
-34ccccl	U.S.B.R.	1955	Dr	170.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-34dcccl		....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F2.5m	10- 4-55	58	
-35cdccl	Mrs. H. Sandquist	....	Dr	.....	.....	P	Kd	F	N	S	...	....	.....	F1.1m	10- 4-55	..	
-63- 4baaal	U.S.G.S.	1956	J	32.0	¼	P	Qld	N	N	O	Tca	4.1	28.80	.....	8-27-56	..	L; Wl
-11bbbbl	.....do	1956	J	32.0	¾	P	Qld	N	N	O	Tca	4.8	24.52	.....	8-28-56	..	L; Wl
-23cccdl	.....do	1956	J	28.0	¼	P	Qld	N	N	O	Tca	3.7	24.41	.....	8-28-56	..	L; Wl
-64- 3aaadl	U.S.B.R.	1955	Dr	43.8	1¼	P	Qld	N	N	O	Tca	3.4	25.15	.....	9-26-55	..	L; Wl
- 3bbbbl	.....do	....	B	24.0	1¼	P	Qgd	N	N	N	Tca	1.3	18.36	.....	6-15-49	..	Ca; D; L
- 8cbl	A. Smith	....	Du	19.7	36	P	Qld	Cy	W	S	Tca	.0	17.67	.....	8- 5-49	52	Ca; pumping when measured.
- 8cb2	.....do	....	Du	20	24	C	Qld	Cy	H	D	L	....	15	.....	8- 5-49	50	Ca
-12bbl	L. Goldin	....	B	37.3	24	P	Qld	Cy	....	O	Tca	.9	27.55	.....	8- 4-49	..	Wl
-19bal	V. Dickinsen	....	Du	37	18	W	Qal	Cy	G	D,S	...	....	+18	.....	8-13-49	47	Ca
-27abbbl	U.S.B.R.	1955	Dr	55.0	4	P	Qld	N	N	O	Trp	2.9	29.99	.....	9-15-55	..	L; Rg; Wl
120-60- 5bl	E. Baker	1943	Dr	1,096	.....	P	Kd	F	N	.....	...	....	.....	F7r	1943	..	Cp,946 to 1,096 ft; 1st flow
-61- 1adl		....	Du	9.5	60	P	Qld	N	N	O	Tca	2.1	8.81	.....	8-25-55	..	Wl
- 1bal	C. Cowan	....	Dr	900	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-25-55	..	
- 2cbl	J. Cutshaw	....	Dr	950	1½	P	Kd	F,J	....	D,S	...	....	.....	Fs	8-25-55	..	
- 4dal	C. Ott	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	Fu	8-25-55	..	
- 5ccl	Mrs. R. Meredith	....	Dr	1,100	¼	P	Kd	F	N	S	...	....	.....	F1.95m	8-24-55	..	R,1939
- 6aal	J. Hopfner	1920	Dr	1,200	1¼	P	Kd	F	N	D,S	...	....	.....	Fu	8-24-55	..	
- 7aal	Hitchcock	....	Du	.....	36	C	Qld	Cy	H	S	Tco	1.0	17.49	.....	8-24-55	50	Ca
- 7aa2	.....do	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-24-55	..	
- 7bbl	H. Brown	1943	Dr	1,200	¾	P	Kd	F,J	....	D,S	...	....	.....	F.75m	8-24-55	54	Supplies 2 homes.
- 9aal	R. Voltoble	....	Dr	.....	¾	P	Kd	F	N	D,S	...	....	.....	Fu	8-25-55	..	R,1952
-10ddl	E. Herr	....	Dr	.....	1¼	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-25-55	61	
-11cbl		....	Du	.....	20	W	Qld	Cy	H	O	Tco	.5	19.39	.....	8-25-55	49	Wl

Spink County--Continued

120-61-12aal	H. Reitsma	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-25-55	..	Recased
-14aal	J. Cutshaw	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F5.0m	8-25-55	56	
-14ba1	.....do	....	Dr	.....	3/4	P	Kd	F	N	S	...	....	.....	Fu	8-25-55	..	
-15aa1	Simmons	....	Du	43.4	20	W	Qld	Cy	E	S	Tco	2.4	20.26	.....	8-25-55	47	
-15cb1	R. Simmons	1919	Dr	960	1 1/4	P	Kd	F	N	D,S	...	....	+139	.....	1919	..	
															Fu	8-25-55	..
-15cb2	.....do	1902	Dr	880	3/4	P	Kd	F	N	N	...	....	+231	.....	1902	..	
															Fs	8-25-55	..
-17aa1	C. Trapp	....	Dr	.....	1 1/2	P	Kd	F	N	D,S	...	....	.....	F4.0m	8-25-55	59	
-17dc1	J. Trapp	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	F3.7m	8-25-55	..	
-18dd1	B. Evans	1907	Dr	935	3/4	P	Kd	F	N	D,S	...	....	+13	F1.6m	1954	..	
														Fu	8-25-55	..	
-18ddcc1	U.S.G.S	1956	J	22	3/4	P	Qld	N	N	O	Tca	4.2	21.38	.....	7-26-56	..	L; W1
-21bb1	L. Evans	1906	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F3.0m	8-25-55	..	
-21cc1	Haskell	....	Dr	.....	1 1/2	P	Kd	F	N	S	...	....	.....	Fu	8-26-55	..	
-22cdcd1	.....do	1955	Dr	.....	1 1/4	P	Kd	F	N	S	...	....	.....	F7.5m	8-26-55	60	Ca
-23ba1	L. Bertsch	....	Dr	900	3/4	P	Kd	F	N	D,S	...	....	.....	F.4m	8-26-55	54	
-24bb1	.....	1927	Dr	.....	1 1/4	P	Kd	F	N	S	...	....	.....	Fu	8-26-55	..	
-25bb1	Bertsch	1905	Dr	900	3	P	Kd	F	N	S	...	....	.....	F2.5m	8-26-55	60	
-25bb2	.....do	1932	Dr	.....	3/4	P	Kd	F	N	D	...	....	.....	Fu	8-26-55	60	
-28aaaa1	U.S.G.S	1956	J	18.0	3/4	P	Qld	N	N	O	Tca	3.7	10.36	.....	7-26-56	..	L; W1
-29ab1	Haskell	....	Dr	.....	1 1/2	P	Kd	F	N	D,S	...	....	.....	Fu	8-26-55	..	
-30ad1	Clemensen	....	Dr	990	3/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-29-55	..	
-30cd1	.....	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-25-55	..	
-30dc1	A. Clemensen	1907	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	Fs	8-29-55	..	
-31dc1	S. Clemensen	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	F1.0m	8-29-55	54	
-31dc2	.....do	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	Fu	8-29-55	59	
-32ca1	South Dakota Wheat Growers.	....	Dr	.....	3/4	P	Kd	F	N	N	...	....	.....	F.52m	8-29-55	..	
-32cc1	M. Smith	1910	Dr	906	3/4	P	Kd	F,J	....	D,S	...	....	.....	Fu	8-29-55	..	R,1951
-32dd1	E. Smith	1909	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-29-55	..	
-33dd1	R. Smith	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-29-55	..	
-35bbbb1	E. Lenz	1946	Dr	1,026	.....	P	Kd	F	N	D,S	...	....	.....	F25e	8-26-55	61	Ca
-35bbbb2	.....do	....	Dr	.....	.....	P	Kd	F	N	N	...	....	.....	Fs	8-26-55	60	
-62- 1cd1	L. Stoltenberg	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	F.46m	8-30-55	53	
- 2cc1	H. Stoltenberg	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	F2.1m	8-30-55	56	
- 3bc1	L. Murray	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	8-30-55	..	
- 3dc1	T. Wingum	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	F3.0m	8-30-55	61	
- 4bb1	Olson	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-30-55	..	
- 5ab1	A. Kittlesand	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	F.5e	8-30-55	..	
- 6aaab1	U.S.B.R	1955	Dr	38.6	1 1/4	P	Qld	N	N	O	Tca	3.5	28.66	.....	6-23-55	..	L; W1
- 6ad1	R. Cowie	....	Dr	.....	3/4	P	Kd	F	N	N	...	....	.....	F3e	9- 2-55	61	
- 7ad1	Hansen	....	Dr	990	1	P	Kd	F	N	S	...	....	.....	F2e	9- 2-55	62	
- 8cc1	G. Cowie	1929	Dr	990	3/4	P	Kd	F	N	D,S	...	....	.....	F2.5r	9- 2-55	..	Ca
- 8cc2	.....do	1953	Dr	1,104	2	P	Kd	F	N	D,S	...	....	.....	F22r	1953	..	Ca
															Fu	9- 2-55	61
- 8cc3	.....do	1946	Dr	950	1 1/2	P	Kd	F	N	S	...	....	.....	Fu	9- 2-55	..	
- 9aad1	L. Stoltenberg	1944	Dr	1,100	1 1/4	P	Kd	F	N	D,S	...	....	.....	F5r	6-23-55	..	Ca; R,1954
- 9ab1	.....do	....	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	Fu	8-30-55	..	
- 9bb1	L. Murray	....	Dr	.....	3/4	P	Kd	F	N	D,S	...	....	.....	F3e	8-30-55	..	
-10cc1	C. Blume	1903	Dr	.....	1 1/4	P	Kd	F	N	S	...	....	.....	Fu	9- 2-55	..	
-11ba1	E. Baker	1905	Dr	1,000+	1 1/4	P	Kd	F	N	D,S	...	....	.....	F7.5m	8-30-55	59	
-13ab1	C. Evans	....	Dr	.....	1 1/2	P	Kd	F	N	D,S	...	....	.....	Fu	9- 2-55	61	
-14aa1	.....	....	Dr	.....	2	P	Kd	F	N	D,S	...	....	.....	F4e	9- 2-55	60	
-14cc1	E. Cross	1916	Dr	.....	1 1/4	P	Kd	F	N	D,S	...	....	.....	Fu	9- 2-55	..	
-14dd1	A. Kramp	....	Dr	.....	1 1/4	P	Kd	F	N	N	...	....	.....	F2e	9- 2-55	61	
-17cccc1	U.S.G.S	1956	J	23.0	3/4	P	Qld	N	N	O	Tca	3.9	21.35	.....	7-26-56	..	L; W1
-18ab1	G. Cowie	....	Dr	.....	1	P	Kd	F	N	N	...	....	.....	Fs	9- 2-55	..	
-18cb1	E. Cowie	1909	Dr	1,000	3/4	P	Kd	F	N	D,S	...	....	.....	F3.0m	9- 2-55	62	
-20dd1	.....	....	Dr	.....	3/4	P	Kd	F	N	S	...	....	.....	Fle	9- 2-55	59	
-21bb1	G. Spear	...	Dr	.....	1 1/2	P	Kd	F	N	D,S	...	....	+9	F1.3m	1954	..	
														Fu	9- 2-55	61	
-23bbba1	U.S.G.S	1956	J	23.0	3/4	P	Qld	N	N	O	Tca	3.5	21.24	.....	7-26-56	..	L; W1
-26aa1	B. Blume	....	Dr	850	3/4	P	Kd	F	N	D,S	...	....	.....	Fu	9- 2-55	61	

Table A.--(continued)

Spink County--Continued

120-62-26ccl	W. Jark and J. Ugland.	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	9- 6-55	..	
-27cdl	H. Mitchell.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fle	9- 6-55	57	
-28bal	J. White.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F2e	9- 2-55	56	
-29dcl	B. Labay.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F6e	9- 6-55	61	
-31abl	H. Labay.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fs	9- 6-55	..	
-31ddl	F. Orr.....	....	Dr	982	1	P	Kd	F	N	D,S	...	....	.....	F5e	9- 6-55	57	Ca
-32cal	City of Brentford...	1950	Dr	1,000	3	P	Kd	F,J	....	P	...	....	+28	Fu	8-30-55	..	
-32ca2	.....do.....	1915	Dr	1,000	2	P	Kd	F,J	....	P	...	....	+18	Fu	8-30-55	..	
-33ccl	S. Mitchell.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fu	9- 6-55	61	
-34bcl	C. Cuatt.....	1905	Dr	900	1	P	Kd	F	N	D,S	...	....	.....	Fu	9- 6-55	58	
-34ccl	H. Williams.....	....	Dr	.....	.....	P	Kd	F	N	D,S	...	....	.....	Fu	9- 6-55	..	
-35ccl	Mrs. E. Kramp.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fu	9- 6-55	..	
-36adddl	C. Anderson.....	1919	Dr	840	1	P	Kd	F	N	D,S	...	....	.....	F5e	8-25-55	54	Ca
-36dcl	S. Smith.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	Fu	9- 6-55	..	
-63- 1bbl	O. Dunker.....	1947	Dr	956	1	P	Kd	F	N	D,S	...	....	.....	F12r	1947	..	Cp,886 to 956 ft;
														Fu	5-28-49	..	L; 1st flow.
- 4abl	F. Fishbach.....	1948	Dr	1,084	2	P	Kd	F	N	D,S	...	....	.....	F8r	1948	..	Cp,1,015 to 1,084
														Fu	5-27-49	..	ft; L
- 6bbbbl	U.S.B.R.....	1948	B	24.0	1	P	Qld	N	N	O	Tca	1.5	20.99	.....	6-15-49	..	Ca; L; Wl
-22abbbl	U.S.G.S.....	1956	J	51.0	1	P	Qld	N	N	O	Tca	4.1	17.87	.....	7-26-56	..	L; Wl
-28dddd1	U.S.B.R.....	1951	Dr	40.0	1	P	Qgd	N	N	O	Tca	1.7	22.89	.....	11- 7-51	..	Ca; D; L; Wl
-28dddd2	.....do.....	1951	Dr	18.0	1	P	Qld	N	N	O	Tca	2.4	16.61	.....	11- 7-51	..	D; Wl
-30cccc1	.....do.....	1951	Dr	87.0	1	P	Qld	N	N	O	Tca	1.1	23.34	.....	11- 7-51	..	Ca; L; Wl
-30cccc2	.....do.....	1951	Dr	18.0	1	P	Qld	N	N	O	Tca	1.3	8.56	.....	11- 7-51	..	Wl
-30ccdc1	.....do.....	1952	Dr	95.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-30cddd1	.....do.....	1955	Dr	46.0	1	P	Qld	N	N	O	Tca	4.3	33.02	.....	10-17-55	..	L; Wl
-31ccdd1	.....do.....	1948	B	24.0	1	P	Qld	N	N	O	Tca	1.5	21.92	.....	6-15-49	..	D; L; Wl
-64- 2aal	Duxbury Co-op.....	....	Du	37.6	.....	W	Qld	Cy	H	D	Bp	1.7	22.21	.....	7-21-49	46	Ca; D
- 2aa2	C. Gange.....	....	Dr	1,080	1	P	Kd	F	N	D,S	...	....	.....	F3e	7-21-49	59	
- 3baabl	U.S.B.R.....	1955	Dr	39.1	1	P	Qld	N	N	O	Tca	3.2	18.10	.....	7-29-55	..	L; Wl
- 3cdl	D. Thelen.....	....	Dr	850	1	P	Kd	F	N	D,S	...	....	.....	F2e	7-22-49	59	
-12ddl	E. Thorson.....	....	Dr	1,100	1	P	Kd	F	N	D,S	...	....	.....	F2.5e	7-25-49	56	
-16ddddl	U.S.B.R.....	1948	B	25.4	1	P	Qgd	N	N	O	Tca	1.3	24.90	.....	6-15-49	..	Ca; L; Wl
-24aaadl	.....do.....	1948	B	24.0	1	P	Qld	N	N	O	Tca	1.3	24.03	.....	6-15-49	..	L; Wl
-24bal	F. Fishbach.....	....	Dr	.....	1	P	Kd	F	N	D,S	...	....	.....	F1.5e	7-22-49	55	
-25ccdc1	U.S.B.R.....	1952	Dr	70.0	4	P	Qld	T	E	AT	Tca	1.2	20.00	.....	7-26-52	47	Ca; D; L
-26ccl	M. Swain.....	....	Dr	.....	2	P	Kd	F	N	N	L	....	.....	Fr.5e	7-22-49	57	
													+21.8	.....	2-14-55	..	
-26da2	R. Fuhrman.....	....	Du	52.5	24	C	Qgd	Cy	G	I	Tco	.5	19.45	.....	7-25-49	47	Ca
-27cccc1	U.S.B.R.....	1951	Dr	63.0	1	P	Qgd	N	N	O	Tca	2.7	32.24	.....	11- 7-51	..	Ca; L; Wl
-27cccc2	.....do.....	1951	Dr	19.0	1	P	Qld	N	N	O	Tca	2.0	18.72	.....	3- 5-54	..	Wl
-30cccc1	.....do.....	1951	Dr	60.0	1	P	Qgd	N	N	O	Tca	2.4	13.63	.....	11- 7-51	..	Ca; L; Wl
-30cccc2	.....do.....	1951	Dr	28.0	1	P	Qgd	N	N	O	Tca	2.3	13.54	.....	11- 7-51	..	Ca; Wl
-31cdl	C. Baldridge.....	....	B	33.3	24	W	Qgd	Cy	H	N	Tca	1.0	18.66	.....	8-11-49	49	Ca
-35adl	Cemetery Association.	....	Du	50.7	30	....	Qgd	Cy	H	I	Tco	1.0	26.33	.....	7-25-49	48	Ca
-65- 3bbbbl	U.S.B.R.....	1955	Dr	175.0	.....	N	.....	N	N	N	...	....	.....	.....	.....	..	L
-26bbbbl	.....do.....	1948	B	27.0	1	P	Qgd	N	N	O	Tca	1.5	28.2	.....	7-26-48	..	D; L; Wl
-26cccc1	.....do.....	1951	Dr	130.0	1	P	Qgd	N	N	O	Tca	1.8	24.34	.....	11- 7-51	..	L; Wl
-29cccc1	.....do.....	1951	Dr	141.0	1	P	Qgd	N	N	O	Tca	1.3	11.26	.....	11- 7-51	..	D; L; Wl
-36dddd1	.....do.....	1948	B	24.0	1	P	Qld	N	N	O	Tca	2.0	9.80	.....	6-15-49	..	D; L; Wl

Table B.--Water levels in observation wells

(Measurements in feet below land surface)

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY					
121-60-4bb1					
Aug. 23, 1955	6.87	July 26, 1956	6.85	Oct. 4, 1956	6.87
May 22, 1956	6.36	Aug. 28	6.58		
121-60-6baba1					
June 23, 1955	11.67	Feb. 29, 1956	13.97	July 26, 1956	12.97
July 29	12.02	Apr. 12	11.77	Aug. 28	13.11
Aug. 30	12.60	May 21	12.51	Oct. 4	13.62
Sept.28	12.94	May 22	12.47	Oct. 18	13.79
Oct. 28	13.20	June 21	12.66	Nov. 28	14.01
Nov. 30	13.44	June 24	12.78	Feb. 15, 1957	14.28
Jan. 20, 1956	13.73				
121-60-9ba1					
Aug. 23, 1955	6.40	July 26, 1956	5.46	Oct. 4, 1956	6.19
May 22, 1956	5.13	Aug. 28	5.66		
121-60-27cc1					
Aug. 23, 1955	8.00	June 21, 1956	8.27	Aug. 28, 1956	8.23
May 22, 1956	8.42	July 26	8.43	Oct. 4	8.52
121-60-28aa2					
Aug. 23, 1955	22.50	June 21, 1956	22.26	Aug. 28, 1956	18.60
May 22, 1956	22.29	July 26	22.39	Oct. 4	22.14
121-60-33ab1					
Aug. 23, 1955	14.30	June 21, 1956	15.59	Aug. 28, 1956	15.26
May 22, 1956	15.59	July 26	15.51	Oct. 4	15.25

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
121-60-33dc1					
Aug. 23, 1955	16.83	June 21, 1956	16.89	Aug. 28, 1956	16.67
May 22, 1956	16.92	July 26	16.82	Oct. 4	16.63

Table B .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

121-61-5bbaa1

/All readings noon daily water level from recorder chart unless otherwise noted/

Date	Water level	Date	Water level	Date	Water level
May 23, 1955	a17.27	Jan. 20, 1956	19.15	Aug. 15, 1956	17.51
May 25	17.44	Jan. 25	19.15	Aug. 20	17.51
May 31	17.50	Jan. 31	19.19	Aug. 25	17.41
June 5	17.26	Feb. 5	19.18	Aug. 31	17.39
June 10	15.93	Feb. 10	19.23	Sept. 5	17.55
June 15	15.51	Feb. 15	19.27	Sept.10	18.19
June 20	15.45	Feb. 20	19.28	Sept.15	18.19
June 25	15.55	Feb. 25	19.25	Sept.20	18.19
June 30	15.60	Feb. 29	19.30	Sept.25	18.19
July 5	15.89	Mar. 5	19.29	Sept.30	18.28
July 14	a16.75	Mar. 10	19.30	Oct. 5	a18.41
Aug. 5	a17.11	Mar. 15	19.29	Oct. 10	18.53
Aug. 10	17.16	Mar. 20	19.20	Oct. 15	18.59
Aug. 15	17.23	Mar. 25	18.94	Oct. 20	18.65
Aug. 20	17.33	Mar. 31	18.14	Oct. 25	18.66
Aug. 25	17.43	Apr. 5	17.65	Oct. 31	18.66
Aug. 31	17.58	Apr. 10	17.12	Nov. 5	18.62
Sept. 5	17.67	Apr. 15	16.56	Nov. 10	18.52
Sept.10	18.77	Apr. 29	16.17	Nov. 15	18.48
Sept.15	18.86	Apr. 25	15.93	Nov. 20	18.46
Sept.20	18.96	Apr. 30	15.78	Nov. 25	18.41
Sept.25	18.99	May 5	15.67	Nov. 30	18.33
Sept.30	18.97	May 10	15.58	Dec. 5	18.18
Oct. 5	a18.95	May 15	15.52	Dec. 10	17.94
Oct. 10	18.99	May 20	15.47	Dec. 15	17.86
Oct. 15	19.06	May 25	15.48	Dec. 20	17.83
Oct. 20	19.09	May 31	15.54	Dec. 25	17.79
Oct. 25	19.10	June 5	15.58	Dec. 31	17.75
Oct. 31	19.10	June 10	15.89	Jan. 5,1957	17.69
Nov. 5	19.08	June 15	16.37	Jan. 10	17.64
Nov. 10	19.04	June 20	16.51	Jan. 15	17.61
Nov. 15	19.05	June 25	16.31	Jan. 20	17.62
Nov. 20	19.05	June 30	15.99	Jan. 25	17.74
Nov. 25	19.09	July 5	a15.93	Jan. 31	17.80
Nov. 30	19.09	July 15	16.10	Feb. 5	a17.96
Dec. 5	19.05	July 20	16.38	Feb. 10	18.02
Dec. 10	19.06	July 25	16.78	Feb. 15	18.17
Dec. 15	19.06	July 31	17.20	Feb. 20	18.27
Jan. 5, 1956	a19.16	Aug. 6	a17.44	Feb. 25	18.28
Jan. 10	19.16	Aug. 10	17.49	Feb. 28	18.33
Jan. 15	19.12				

a Tape measurement

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

121-61-13bbbb1

Date	Water level	Date	Water level	Date	Water level
Aug. 28, 1956	10.72	Nov. 28, 1956	11.66	Feb. 15, 1957	12.06
Oct. 4	11.26				

121-61-16bbba1

Date	Water level	Date	Water level	Date	Water level
Aug. 28, 1956	20.05	Oct. 4, 1956	20.12	Feb. 15, 1957	20.58
Sept. 6	20.08	Nov. 28	20.37		

121-61-23cc1

Date	Water level	Date	Water level	Date	Water level
Aug. 19, 1955	28.60	June 21, 1956	20.12	Aug. 28, 1956	19.74
May 22, 1956	19.56	July 26	19.05	Oct. 4	20.09

121-61-31ddcc1

Date	Water level	Date	Water level	Date	Water level
Aug. 30, 1955	17.54	Apr. 12, 1956	17.86	July 26, 1956	17.91
Sept.28	17.67	May 22	17.74	Aug. 28	18.04
Oct. 28	17.81	May 23	17.79	Oct. 4	18.12
Nov. 30	17.87	June 21	17.79	Nov. 28	18.26
Jan. 20, 1956	17.75	June 24	17.82	Feb. 15, 1957	18.40
Feb. 29	17.82				

121-61-35dccc1

Date	Water level	Date	Water level	Date	Water level
July 29, 1955	17.19	Nov. 30, 1955	18.48	Oct. 19, 1956	17.27
Aug. 30	17.86	Apr. 12, 1956	18.38	Nov. 28	17.61
Sept.28	18.19	May 21	17.82	Feb. 15, 1957	17.49
Oct. 28	18.54	June 24	17.53		

121-62-1bb1

Date	Water level	Date	Water level	Date	Water level
June 9, 1949	25.14	July 26, 1956	23.35	Aug. 28, 1956	23.19
May 22, 1956	23.13	Aug. 24	23.30	Oct. 4	23.64
June 21	23.20				

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
121-62-3abbb1					
June 23, 1955	24.74	Jan. 20, 1956	26.24	June 24, 1956	26.22
July 29	25.28	Feb. 29	26.30	July 26	26.42
Aug. 10	25.49	Mar. 22	26.35	Aug. 28	26.63
Aug. 30	25.72	Apr. 12	26.09	Oct. 4	26.69
Sept.28	25.81	May 22	26.01	Oct. 18	26.88
Oct. 17	26.08	May 23	26.07	Nov. 29	26.93
Nov. 18	26.15	June 21	26.24	Feb. 15, 1957	27.10
121-62-8ab2					
June 6, 1949	26.27	June 21, 1956	19.80	Aug. 24, 1956	25.20
May 22, 1956	25.10	July 26	25.09	Aug. 28	25.18
121-62-17dddd1					
Aug. 28, 1956	29.27	Nov. 28, 1956	29.16	Feb. 15, 1957	29.27
Oct. 4	29.17				
121-62-24aaaa1					
Aug. 24, 1956	23.18	Oct. 4, 1956	23.10	Feb. 15, 1957	22.91
Aug. 28	23.18	Nov. 28	23.03		
121-62-35cccc1					
July 26, 1956	20.76	Sept.21, 1956	19.90	Nov. 28, 1956	20.08
Aug. 23	19.78	Oct. 4	19.97	Feb. 15, 1957	20.18
Aug. 28	19.80				
121-63-23bba1					
Aug. 23, 1956	28.55	Oct. 4, 1956	28.70	Feb. 15, 1957	29.11
Aug. 27	28.35	Nov. 28	28.99		

Table B .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

121-63-33aaaal

Date	Water level	Date	Water level	Date	Water level
Aug. 23, 1956	23.06	Oct. 4, 1956	21.42	Feb. 15, 1957	21.41
Aug. 27	22.24	Nov. 28	21.35		

121-64-3baaal

July 14, 1955	13.06	May 22, 1956	13.83	Aug. 27, 1956	15.62
Oct. 17	15.12	May 23	13.89	Oct. 4	16.16
Nov. 18	15.25	June 19	14.12	Oct. 18	16.33
Jan. 20, 1956	15.58	June 21	14.08	Nov. 29	16.17
Feb. 15	15.76	July 26	14.84	Feb. 23, 1957	16.25
Mar. 22	15.68				

121-64-3baabl

Feb. 11, 1952	15.74	Jan. 5, 1954	10.57	Aug. 10, 1955	14.12
Apr. 19	11.26	Feb. 3	12.49	Sept.14	14.98
June 13	11.61	Mar. 4	11.65	Oct. 17	15.34
Aug. 2	13.12	Apr. 1	10.91	Nov. 18	15.51
Aug. 18	13.76	May 6	9.53	Dec. 29	15.77
Sept. 2	14.19	June 7	9.30	Jan. 31, 1956	15.93
Sept.26	14.70	July 7	10.20	Feb. 15	16.01
Oct. 27	15.07	July 28	12.40	Mar. 22	16.01
Dec. 4	15.14	Oct. 1	13.79	May 24	13.94
Jan. 17, 1953	15.29	Nov. 10	13.98	June 19	14.27
Feb. 23	15.42	Dec. 20	14.19	June 21	14.24
Mar. 20	15.52	Jan. 10, 1955	14.14	July 26	15.62
Mar. 31	15.58	Feb. 9	14.53	Aug. 23	15.83
May 22	7.40	Mar. 11	14.75	Aug. 27	16.12
June 29	5.33	Apr. 12	13.86	Oct. 4	16.31
Aug. 7	6.56	May 16	13.24	Oct. 17	16.43
Sept. 2	8.40	June 21	13.06	Nov. 28	16.48
Oct. 28	10.71	July 12	13.63	Jan. 23, 1957	16.56
Dec. 2	10.55				

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

121-64-7aa3

Date	Water level	Date	Water level	Date	Water level
May 21, 1956	3.99	July 26, 1956	5.63	Aug. 27, 1956	5.96
June 21	5.02	Aug. 23	5.14	Oct. 4	6.20

121-64-24bb1

Date	Water level	Date	Water level	Date	Water level
Aug. 9, 1949	29.88	July 26, 1956	28.19	Aug. 27, 1956	28.28
May 21, 1956	28.06	Aug. 23	30.20	Oct. 4	28.32
June 21	28.07				

121-64-33dddd1

Date	Water level	Date	Water level	Date	Water level
July 26, 1948	a8.7	Sept.19, 1949	16.65	Apr. 28, 1951	16.62
Aug. 26	a9.3	Oct. 3	a15.5	May 18	13.56
Sept.28	a20.8	Nov. 1	a15.5	June 30	12.45
Oct. 28	a20.9	Dec. 1	a16.3	July 28	12.61
Dec. 2	a20.9	Dec. 28	18.05	Aug. 24	13.76
Jan. 6, 1949	a17.3	Mar. 22, 1950	18.00	Oct. 31	16.57
Feb. 2	a15.9	Apr. 20	12.91	Aug. 2, 1952	10.63
Mar. 1	a17.4	May 22	10.64	Aug. 19	11.39
Apr. 1	a9.7	June 27	9.48	Sept. 4	13.60
May 1	a9.4	July 21	10.05	Sept.26	14.68
June 1	a6.9	Aug. 28	11.96	Oct. 30	16.08
June 15	7.58	Sept.23	13.61	Dec. 12	17.08
July 1	a9.5	Oct. 25	14.94	Apr. 13, 1954	10.11
July 2	9.57	Nov. 29	16.06	May 5	10.19
July 11	10.04	Dec. 22	16.49	May 24	10.19
July 30	11.10	Jan. 29, 1951	17.12	June 14	10.26
Aug. 1	a12.8	Feb. 21	17.42	June 28	10.30
Sept. 1	a15.6	Mar. 30	17.25	July 15	10.50
				Well destroyed	

a Measured by U. S. Bureau of Reclamation

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

121-65-1aaaa1

Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1952	30.87	Dec. 2, 1953	29.37	May 16, 1955	29.58
Apr. 19	28.72	Jan. 5, 1954	29.39	June 21	29.65
June 13	29.41	Feb. 3	29.33	July 13	29.60
Aug. 8	29.61	Mar. 4	29.45	Aug. 10	29.64
Aug. 18	29.79	Apr. 1	29.22	Sept.14	29.76
Sept. 2	30.23	May 6	29.08	Oct. 17	29.81
Sept.26	30.22	June 7	28.99	Nov. 18	29.86
Oct. 27	30.26	July 7	29.71	Dec. 29	29.87
Dec. 4	30.08	July 28	29.86	Jan. 31, 1956	29.87
Jan. 17, 1953	30.00	Sept. 9	29.52	Feb. 15	29.85
Feb. 23	30.22	Oct. 1	29.90	Mar. 22	29.99
Mar. 20	30.41	Nov. 10	29.80	May 24	29.06
Mar. 31	30.48	Dec. 20	29.50	June 19	29.27
May 22	29.65	Jan. 10, 1955	29.35	Aug. 23	29.51
June 29	29.47	Feb. 9	29.52	Oct. 17	30.25
Aug. 7	29.31	Mar. 11	29.59	Nov. 28	30.18
Oct. 28	29.47	Apr. 12	29.56	Jan. 23, 1957	30.20

121-65-1aaaa2

Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1952	12.75	Dec. 2, 1953	26.24	May 16, 1955	26.80
Apr. 19	15.66	Jan. 5, 1954	26.29	June 21	26.86
June 13	18.31	Feb. 3	26.31	July 13	26.76
Aug. 8	19.23	Mar. 4	26.44	Aug. 10	26.78
Aug. 18	19.52	Apr. 1	26.44	Sept.14	26.61
Sept. 2	22.27	May 6	26.44	Oct. 17	26.54
Sept.28	22.60	June 7	26.35	Nov. 18	26.59
Oct. 27	23.00	July 7	26.35	Dec. 29	26.86
Dec. 4	23.45	July 28	26.32	Jan. 31, 1956	27.04
Jan. 17, 1953	23.93	Sept. 9	26.38	Feb. 15	26.88
Feb. 23	27.00	Oct. 1	26.35	Mar. 22	26.98
Mar. 20	27.63	Nov. 10	26.43	May 24	27.05
Mar. 31	27.74	Dec. 20	26.65	June 19	27.22
May 22	26.40	Jan. 10, 1955	26.52	Aug. 23	27.20
June 29	26.56	Feb. 9	26.74	Oct. 17	27.28
Aug. 7	26.30	Mar. 11	26.58	Nov. 28	27.38
Sept. 2	26.15	Apr. 12	26.81	Jan. 23, 1957	27.40
Oct. 28	26.26				

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

121-65-1aaaa3

Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1952	10.31	Dec. 2, 1953	(a)	May 16, 1955	(a)
Apr. 19	7.68	Jan. 3, 1954	(a)	June 21	(a)
June 13	11.98	Feb. 3	(a)	July 13	(a)
Aug. 8	(a)	Mar. 4	(a)	Aug. 10	(a)
Aug. 18	(a)	Apr. 1	(a)	Sept. 14	(a)
Sept. 2	(a)	May 6	(a)	Oct. 17	(a)
Sept. 26	(a)	June 7	(a)	Nov. 18	(a)
Oct. 27	(a)	July 7	(a)	Dec. 29	(a)
Dec. 4	(a)	July 28	(a)	Jan. 30, 1956	(a)
Jan. 17, 1953	(a)	Sept. 9	(a)	Feb. 15	(a)
Feb. 23	(a)	Oct. 1	(a)	Mar. 22	(a)
Mar. 20	(a)	Nov. 10	(a)	May 24	(a)
Mar. 31	(a)	Dec. 20	(a)	June 19	(a)
May 22	(a)	Jan. 10, 1955	(a)	Aug. 23	(a)
June 29	(a)	Feb. 9	(a)	Oct. 17	(a)
Aug. 7	(a)	Mar. 11	(a)	Nov. 28	(a)
Sept. 2	(a)	Apr. 12	(a)	Jan. 23, 1957	(a)
Oct. 28	(a)				

a Dry at 13 feet.

122-60-30dd2

Aug. 16, 1955	9.15	June 21, 1956	8.28	Aug. 27, 1956	9.18
May 21, 1956	a11.30	July 26	8.96	Oct. 4	a14.60

a Pumped recently.

122-60-30dd3

Aug. 16, 1955	7.60	June 21, 1956	9.13	Aug. 27, 1956	9.89
May 21, 1956	9.53	July 26	9.54	Oct. 4	12.55

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

122-61-1adddl

Date	Water level	Date	Water level	Date	Water level
June 23, 1955	6.31	Jan. 20, 1956	7.88	July 26, 1956	6.05
July 29	6.64	Feb. 29	8.08	Aug. 27	6.06
Aug. 30	6.88	Apr. 12	6.96	Oct. 4	6.68
Sept.28	6.99	May 21	5.99	Oct. 16	6.75
Oct. 27	7.30	May 22	6.00	Nov. 29	6.81
Nov. 30	7.61	June 21	5.14	Feb. 15, 1957	7.43

122-61-17aa2

Aug. 17, 1955	17.28	June 21, 1956	15.65	Aug. 27, 1956	15.46
May 22, 1956	15.92	July 26	15.29	Oct. 4	16.06

122-61-18ad2

Aug. 17, 1955	17.73	June 21, 1956	13.32	Aug. 27, 1956	12.24
May 22, 1956	16.70	July 26	13.16	Oct. 4	18.19

122-61-27cdddl

Aug. 27, 1956	14.55	Nov. 28, 1956	14.91	Feb. 15, 1957	15.27
Oct. 4	15.05				

122-62-2ccl

June 21, 1949	18.99	July 26, 1956	19.08	Sept.6, 1956	19.81
May 22, 1956	18.08	Aug. 27	19.56	Oct. 4	20.36
June 21	17.47				

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
122-62-8babb1					
Sept. 28, 1955	25.35	May 22, 1956	26.16	Aug. 27, 1956	26.43
Oct. 27	25.67	May 23	26.26	Oct. 4	26.58
Nov. 28	25.87	June 21	25.98	Oct. 17	26.60
Jan. 20, 1956	26.00	June 24	26.29	Nov. 29	26.59
Feb. 29	26.11	July 26	26.34	Feb. 15, 1957	26.67
Apr. 12	26.22				
122-62-20bb1					
June 20, 1949	23.20	July 26, 1956	a20.54	Sept.10, 1956	19.61
May 22, 1956	17.32	Aug. 27	19.58	Oct. 4	20.80
a Pumping.					
122-62-27dc1					
June 22, 1949	17.60	July 26, 1956	16.77	Sept. 6, 1956	17.85
May 22, 1956	15.86	Aug. 27	17.71	Oct. 4	18.24
122-62-28da2					
June 21, 1949	26.74	July 26, 1956	25.70	Sept. 6, 1956	25.86
May 22, 1956	25.83	Aug. 27	25.65	Oct. 4	25.86
122-62-29dd2					
June 21, 1949	31.66	July 26, 1956	33.86	Sept. 7, 1956	33.76
May 22, 1956	33.70	Aug. 27	33.97	Oct. 4	34.28

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

122-62-31cccc1

Date	Water level	Date	Water level	Date	Water level
Apr. 19, 1952	23.00	May 6, 1954	26.33	May 16, 1955	26.69
June 13	25.99	June 8	26.32	June 21	26.70
Aug. 1	26.35	July 7	26.32	July 12	26.68
Aug. 14	26.31	July 27	26.30	Aug. 10	26.70
Aug. 26	26.29	Sept. 9	26.31	Sept.14	26.74
Sept.26	26.31	Oct. 1	26.30	Oct. 17	26.79
Oct. 28	26.30	Nov. 10	26.40	Nov. 18	26.84
Dec. 4	26.31	Dec. 21	26.50	Dec. 29	26.91
Feb. 3, 1954	26.26	Feb. 9, 1955	26.62	Jan. 30, 1956	27.02
Mar. 4	26.34	Mar. 11	26.65	Well destroyed	
Apr. 1	26.34	Apr. 12	26.70		

122-63-15ba1

June 16, 1949	19.11	July 26, 1956	17.96	Sept.10, 1956	18.55
May 22, 1956	17.88	Aug. 27	18.28	Oct. 4	18.55
June 21	17.74				

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
122-63-33cccal					
Feb. 11, 1952	15.94	Jan. 5, 1954	15.59	Sept.14, 1955	16.44
Apr. 19	8.46	Mar. 4	14.95	Oct. 17	16.46
June 13	10.87	Apr. 1	15.13	Nov. 18	16.43
Aug. 1	12.86	May 6	15.13	Dec. 29	16.49
Aug. 14	14.45	June 8	15.19	Jan. 31, 1956	16.54
Aug. 26	14.76	July 7	15.36	Feb. 15	16.48
Sept.26	15.13	July 28	15.71	Mar. 22	15.91
Oct. 28	15.32	Sept. 9	16.04	May 18	15.43
Dec. 4	15.50	Oct. 1	16.07	May 21	15.42
Jan. 17, 1953	15.51	Nov. 10	16.00	June 19	15.76
Feb. 23	15.73	Dec. 21	14.05	June 21	15.71
Mar. 20	15.45	Jan. 10, 1955	16.00	July 26	15.87
Mar. 31	15.37	Feb. 9	16.11	Aug. 23	16.15
June 1	13.61	Apr. 12	14.90	Aug. 27	16.10
June 29	13.42	May 16	15.32	Oct. 4	16.40
Aug. 7	13.76	June 21	15.38	Oct. 18	16.55
Sept. 2	14.65	July 13	15.62	Nov. 28	16.32
Oct. 28	15.29	Aug. 10	16.15	Jan. 23, 1957	16.27
Dec. 2	15.45				
122-63-33daaal					
July 14, 1955	22.30	Feb. 29, 1956	23.28	July 26, 1956	22.12
Aug. 10	22.66	Mar. 22	23.38	Aug. 27	22.44
Sept.14	22.93	May 21	22.00	Oct. 4	22.98
Oct. 17	23.03	May 22	22.09	Oct. 18	23.07
Nov. 18	23.07	June 19	22.00	Nov. 29	23.20
Jan. 20, 1956	23.23	June 21	21.93	Jan. 23, 1957	23.43

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

122-63-34dddd1

Date	Water level	Date	Water level	Date	Water level
Apr. 19, 1952	21.58	Nov. 10, 1954	22.72	Nov. 18, 1955	23.64
June 13	22.37	Dec. 21	22.87	Mar. 22, 1956	24.10
Aug. 1	23.41	Jan. 10, 1955	22.81	May 18	24.84
Aug. 14	23.71	Feb. 9	23.08	May 21	24.84
Feb. 3, 1954	21.77	Mar. 11	23.08	June 19	24.94
Mar. 4	20.83	Apr. 12	22.39	June 21	24.92
Apr. 1	20.10	May 16	22.00	Aug. 23	25.52
May 6	19.85	June 21	21.76	Aug. 27	25.49
June 7	19.55	July 13	21.88	Oct. 4	25.85
July 7	19.80	Aug. 10	22.25	Oct. 18	26.93
July 28	22.01	Sept.14	23.06	Nov. 28	25.91
Sept. 9	22.46	Oct. 17	23.46	Jan. 23, 1957	25.95
Oct. 1	22.76				

122-64-1bb2

July 22, 1949	10.50	June 21, 1956	13.10	Aug. 27, 1956	13.80
May 22, 1956	13.14	July 26	13.50	Oct. 4	14.32

122-64-1bb3

May 22, 1956	13.48	July 26, 1956	14.01	Oct. 4, 1956	14.13
June 21	13.52	Aug. 27	14.01		

Table B .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

122-64-5aa2

Date	Water level	Date	Water level	Date	Water level
July 19, 1949	12.05	July 26, 1956	22.52	Oct. 4, 1956	17.37
June 21, 1956	15.78	Aug. 27	16.91		

122-64-33cccc1

Apr. 19, 1952	4.92	Aug. 7, 1953	a2.71	May 21, 1956	3.91
June 13	6.79	Sept. 2	a3.06	May 24	4.42
Aug. 2	6.72	Oct. 28	a4.84	June 19	4.72
Aug. 18	7.24	Dec. 2	4.80	June 21	4.79
Sept. 2	7.69	Feb. 3, 1954	6.11	July 26	6.03
Sept.26	7.78	Nov. 10	b6.66	Aug. 23	6.85
Oct. 27	8.44	Dec. 20	6.75	Aug. 27	6.86
Dec. 4	8.54	Jan. 10, 1955	6.86	Oct. 4	7.59
Jan. 17, 1953	8.81	Apr. 12	a6.36	Oct. 17	7.76
Feb. 23	9.11	May 16	6.10	Nov. 28	7.25
Mar. 20	9.38	June 21	5.78	Jan. 23, 1957	7.46
Mar. 31	9.23				

a Surrounded by ponded water.
b Well cleaned out to 40 feet, 10-6-54.

Table B .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

122-64-36ccdd1

/All readings noon daily water level from recorder chart unless otherwise noted/

Date	Water level	Date	Water level	Date	Water level
Feb. 27, 1953	a21.78	Nov. 10, 1953	19.0	May 20, 1954	15.3
Mar. 9	a21.77	Nov. 15	19.0	May 25	15.1
Mar. 15	21.20	Nov. 20	18.7	May 31	15.1
Mar. 20	20.59	Nov. 25	19.3	June 5	14.9
May 20	a16.28	Nov. 30	19.1	June 10	15.4
May 25	15.62	Dec. 5	19.1	July 12	17.4
May 31	15.36	Dec. 10	18.9	July 15	17.5
June 5	15.5	Dec. 15	19.5	July 20	17.8
June 10	15.6	Dec. 20	19.0	July 25	18.2
June 15	15.5	Dec. 25	19.3	July 31	18.4
June 20	15.2	Dec. 31	19.3	Aug. 5	18.6
June 25	14.8	Jan. 5, 1954	19.9	Aug. 10	18.8
June 30	14.0	Jan. 10	19.6	Aug. 15	19.0
July 5	14.3	Jan. 15	20.0	Aug. 20	19.1
July 10	14.0	Jan. 20	20.1	Aug. 25	19.2
July 15	14.4	Jan. 25	19.9	Aug. 31	19.3
July 20	14.8	Jan. 31	19.9	Sept. 5	19.4
July 25	15.0	Feb. 5	20.2	Sept.10	19.5
July 31	15.3	Feb. 10	20.3	Sept.15	19.6
Aug. 5	15.8	Feb. 15	19.9	Sept.20	19.6
Aug. 10	16.1	Feb. 20	19.8	Sept.25	19.7
Aug. 15	16.7	Feb. 25	19.2	Sept.30	a19.90
Aug. 20	16.8	Feb. 28	19.2	Oct. 19	20.0
Aug. 25	17.0	Mar. 5	18.8	Oct. 20	20.0
Aug. 31	17.3	Mar. 10	18.6	Oct. 25	20.1
Sept. 5	17.7	Mar. 15	18.4	Oct. 31	20.1
Sept.10	17.9	Mar. 20	18.2	Nov. 5	20.1
Sept.15	18.1	Mar. 25	18.0	Nov. 10	20.3
Sept.20	18.6	Mar. 31	17.7	Nov. 15	20.1
Sept.25	18.2	Apr. 5	17.7	Nov. 20	20.3
Sept.28	18.4	Apr. 10	16.9	Nov. 25	20.3
Oct. 5	18.5	Apr. 15	17.1	Nov. 30	20.4
Oct. 10	18.5	Apr. 20	16.7	Dec. 5	20.4
Oct. 15	18.7	Apr. 25	16.7	Dec. 10	20.4
Oct. 20	18.7	Apr. 30	16.9	Dec. 15	20.3
Oct. 25	18.9	May 5	16.7	Dec. 20	20.4
Oct. 31	19.0	May 10	16.1	Dec. 25	20.5
Nov. 5	19.3	May 15	15.8	Dec. 31	20.4

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
122-64-36ccdd1--Continued					
Jan. 5, 1955	20.5	July 31, 1955	19.1	June 30, 1956	18.98
Jan. 10	20.4	Aug. 5	19.3	July 5	19.26
Jan. 15	20.5	Aug. 10	19.5	July 10	19.51
Jan. 20	20.5	Aug. 15	19.5	July 15	19.75
Jan. 25	20.6	Aug. 20	19.7	July 20	19.91
Jan. 31	20.6	Aug. 25	19.7	July 25	a19.97
Feb. 5	20.6	Aug. 31	20.0	July 31	20.31
Feb. 10	20.6	Sept. 5	20.1	Aug. 5	20.42
Feb. 15	20.5	Sept.10	20.3	Aug. 10	20.58
Feb. 20	20.5	Sept.15	20.1	Aug. 15	20.73
Feb. 25	20.4	Sept.20	20.1	Aug. 20	20.87
Feb. 28	20.5	Sept.25	20.3	Aug. 25	20.95
Mar. 5	20.5	Sept.30	20.5	Aug. 31	20.99
Mar. 10	20.6	Oct. 5	20.6	Sept. 5	21.15
Mar. 15	20.1	Oct. 10	20.6	Sept.10	21.17
Mar. 20	19.8	Oct. 15	20.7	Sept.15	21.17
Mar. 25	19.7	Oct. 20	20.8	Sept.20	21.30
Mar. 31	19.4	Oct. 25	20.8	Sept.25	21.33
Apr. 5	19.2	Oct. 31	21.0	Sept.30	21.43
Apr. 10	19.1	Dec. 31	21.6	Oct. 5	a21.46
Apr. 15	18.9	Jan. 5, 1956	a21.23	Oct. 10	21.55
Apr. 20	18.6	Apr. 5	21.23	Oct. 15	21.61
Apr. 25	18.3	Apr. 10	21.78	Oct. 20	21.66
May 15	17.8	Apr. 15	19.86	Oct. 25	21.58
May 20	17.7	Apr. 20	19.47	Oct. 31	21.61
May 25	17.7	Apr. 25	19.30	Nov. 5	21.58
May 31	17.8	Apr. 30	19.16	Nov. 10	21.58
June 5	17.9	May 5	19.00	Nov. 15	21.66
June 10	17.9	May 10	18.43	Nov. 20	21.68
June 15	17.9	May 15	18.68	Nov. 25	21.72
June 20	18.0	May 20	18.55	Nov. 30	21.68
June 25	18.0	May 25	18.50	Dec. 5	21.78
June 30	17.9	May 31	18.67	Dec. 10	21.68
July 5	18.1	June 5	18.51	Dec. 15	21.79
July 10	18.3	June 10	18.59	Dec. 20	21.82
July 15	18.4	June 15	18.62	Dec. 25	21.85
July 20	18.6	June 20	18.69	Dec. 31	21.84
July 25	18.6	June 25	18.79	Jan. 5, 1957	21.88

a Tape measurement

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
122-64-36dddd1					
Aug. 2, 1952	20.56	Feb. 3, 1954	18.94	Oct. 17, 1955	20.10
Aug. 14	20.60	Mar. 4	18.68	Nov. 18	19.84
Aug. 26	20.47	Apr. 1	18.30	Dec. 29	19.86
Sept.26	19.64	May 6	18.25	Jan. 31, 1956	19.91
Oct. 28	19.86	June 7	18.36	Feb. 15	19.95
Nov. 24	19.62	July 7	18.54	Mar. 22	20.08
Dec. 4	19.60	July 28	18.76	May 18	20.36
Jan. 17, 1953	19.57	Sept. 9	18.74	May 21	20.29
Feb. 23	19.95	Oct. 1	18.95	June 19	20.44
Mar. 20	19.57	Nov. 10	18.92	June 21	20.38
Mar. 31	19.42	Dec. 21	19.10	July 26	20.58
June 1	18.93	Jan. 10, 1955	19.02	Aug. 22	20.68
June 29	15.75	Apr. 12	18.69	Aug. 27	20.61
Aug. 7	17.17	May 16	18.93	Oct. 4	20.89
Sept. 2	18.50	June 21	19.16	Oct. 18	20.94
Oct. 28	18.88	July 12	19.24	Nov. 28	20.92
Dec. 2	18.88	Aug. 10	19.44	Jan. 23, 1957	21.06
Jan. 5, 1954	18.91	Sept.14	20.00		
122-65-34cccc1					
Feb. 11, 1952	9.75	June 29, 1953	7.25	Sept. 9, 1954	8.38
Apr. 19	9.02	Aug. 7	6.91	Oct. 1	8.51
June 13	8.76	Sept. 2	7.11	Nov. 10	8.70
Aug. 4	8.53	Oct. 28	7.55	Dec. 20	8.40
Aug. 18	8.63	Dec. 2	7.62	Jan. 10, 1955	8.34
Sept. 2	8.74	Jan. 5, 1954	7.76	Feb. 9	8.51
Sept.26	8.94	Feb. 3	7.76	Mar. 11	8.49
Oct. 27	9.08	Mar. 4	7.91	Apr. 12	8.24
Dec. 4	9.03	Apr. 1	7.70	July 12	8.39
Jan. 17, 1953	9.10	May 6	7.55	Aug. 10	8.80
Feb. 23	9.53	June 7	7.10	May 24, 1956	9.32
Mar. 20	9.72	July 7	7.47	June 19	9.31
Mar. 31	9.91	July 28	7.80	Oct. 17	9.63
May 22	8.04				

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
123-60-2abbb1					
June 23, 1955	8.48	Jan. 27, 1956	10.30	July 26, 1956	10.77
July 28	9.53	Feb. 29	10.40	Aug. 27	11.15
Aug. 30	9.77	Apr. 12	9.59	Oct. 4	11.65
Sept.28	10.22	May 21	9.96	Oct. 16	11.50
Oct. 27	10.35	June 21	10.24	Nov. 29	11.08
Nov. 30	10.29				
123-60-5cbbb1					
June 23, 1955	20.84	Jan. 27, 1956	21.37	July 26, 1956	21.28
July 28	20.99	Feb. 29	21.52	Aug. 27	21.38
Aug. 30	21.20	Apr. 12	21.28	Oct. 4	21.67
Sept.28	21.05	May 21	21.07	Oct. 16	21.65
Oct. 27	21.32	June 21	21.16	Nov. 29	21.75
Nov. 30	21.34				

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

123-60-31dbb1

Date	Water level	Date	Water level	Date	Water level
Aug. 9, 1955	20.50	June 21, 1956	19.43	Aug. 27, 1956	19.66
May 21, 1956	19.30	July 26	21.90	Oct. 4	20.16

123-62-5aa1

Date	Water level	Date	Water level	Date	Water level
June 22, 1949	17.28	July 26, 1956	20.18	Sept.11, 1956	20.35
May 21, 1956	19.41	Aug. 27	20.78	Oct. 4	20.26
June 21	18.85				

123-62-5cbcc1

Date	Water level	Date	Water level	Date	Water level
July 14, 1955	14.49	Jan. 26, 1956	15.77	June 22, 1956	15.60
Sept.27	15.47	Feb. 27	15.82	Nov. 29	16.23
Oct. 26	15.69	Apr. 11	15.52	Feb. 13, 1957	16.34
Nov. 28	15.86	May 22	15.38		

123-62-9bc1

Date	Water level	Date	Water level	Date	Water level
June 23, 1949	18.10	July 26, 1956	18.86	Sept.11, 1956	19.87
May 21, 1956	17.68	Aug. 27	19.70	Oct. 4	20.36
June 21	17.95				

123-62-17bd3

Date	Water level	Date	Water level	Date	Water level
June 23, 1949	20.19	July 26, 1956	19.82	Sept.11, 1956	20.22
May 21, 1956	19.17	Aug. 27	19.95	Oct. 4	20.78
June 21	19.38				

123-62-36ddcc1

Date	Water level	Date	Water level	Date	Water level
June 23, 1955	23.61	Jan. 20, 1956	24.40	Aug. 27, 1956	24.92
July 29	23.71	Feb. 29	24.48	Oct. 4	24.83
Aug. 30	23.88	Apr. 12	24.53	Oct. 17	24.95
Sept.28	24.01	May 21	24.53	Nov. 29	24.96
Oct. 27	24.27	June 21	24.56	Feb. 15, 1957	25.04
Nov. 28	24.33	July 26	24.64		

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
123-63-3ad1					
June 27, 1949	9.03	July 26, 1956	12.09	Sept.19, 1956	12.64
May 21, 1956	11.59	Aug. 27	12.60	Oct. 4	12.78
June 21	11.75	Sept.13	12.61		
123-63-4dd2					
June 27, 1949	8.13	July 26, 1956	10.90	Sept.13, 1956	11.86
May 21, 1956	10.70	Aug. 27	11.13	Oct. 4	11.44
June 21	10.72				
123-63-6ad1					
June 29, 1949	7.39	July 26, 1956	9.72	Sept.11, 1956	9.92
May 21, 1956	9.18	Aug. 27	9.81	Oct. 4	9.96
June 21	9.44				
123-63-7ad2					
June 29, 1949	12.29	June 21, 1956	17.74	Aug. 27, 1956	19.53
May 21, 1956	16.62	July 26	19.30	Oct. 4	20.18

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
123-63-9bb1					
June 27, 1949	15.19	July 26, 1956	19.53	Sept.13, 1956	18.09
May 28, 1956	18.22	Aug. 27	18.54	Oct. 4	18.22
June 21	18.15				
123-63-17bb2					
June 30, 1949	11.94	June 21, 1956	13.80	Aug. 27, 1956	15.01
May 21, 1956	14.30	July 26	14.80	Sept.11	(a)
a Dry at 16.4 feet.					
123-63-20da1					
June 30, 1949	17.36	July 26, 1956	17.88	Sept.13, 1956	17.94
May 21, 1956	17.54	Aug. 27	18.06	Oct. 4	18.40
June 21	17.42				
123-63-22bc1					
June 28, 1949	14.14	July 26, 1956	16.14	Sept.12, 1956	16.62
June 21, 1956	a16.65	Aug. 27	17.53	Oct. 4	18.15
a Pumping.					

Table B .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

123-63-30abbb1

Date	Water level	Date	Water level	Date	Water level
July 14, 1955	12.10	Feb. 27, 1956	14.28	Aug. 27, 1956	13.51
Aug. 30	13.23	Apr. 11	14.36	Oct. 4	14.19
Sept.27	13.47	May 21	14.02	Oct. 17	14.24
Oct. 26	13.71	May 22	13.92	Nov. 29	14.37
Nov. 28	13.94	June 21	13.74	Feb. 13, 1957	14.60
Jan. 26, 1956	14.18	July 26	13.56		

123-63-31ba1

June 30, 1949	11.44	July 26, 1956	11.25	Oct. 4, 1956	11.56
May 22, 1956	10.64	Aug. 27	9.87		

124-60-10daaa1

June 23, 1955	18.51	Jan. 27, 1956	19.13	July 26, 1956	19.20
July 28	18.74	Feb. 29	19.19	Aug. 27	19.25
Aug. 30	18.90	Apr. 12	19.15	Oct. 4	19.38
Sept.28	18.91	May 21	19.05	Oct. 16	19.70
Oct. 27	19.04	June 21	19.02	Nov. 29	19.42
Nov. 30	19.09				

124-61-2dd1

Oct. 7, 1951	16.05	June 28, 1954	13.49	Oct. 26, 1955	16.44
Oct. 15	16.71	Nov. 19	15.85	Nov. 28	16.51
Nov. 29	16.72	Mar. 27, 1955	15.09	Jan. 26, 1956	16.48
May 29, 1952	14.49	Apr. 27	14.90	Apr. 11	15.96
Oct. 13	16.03	May 26	15.16	May 22	15.55
Dec. 9	16.46	June 29	15.30	June 22	15.66
Jan. 26, 1953	16.14	July 27	15.94	Aug. 29	17.09
Apr. 1	15.01	Aug. 29	16.31	Oct. 10	17.32
Apr. 19, 1954	13.50	Sept.27	16.44	Dec. 18	17.17
May 24	13.45				

Table B .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

124-61-31cbbc1

/All readings noon daily water level from recorder chart unless otherwise noted/

Date	Water level	Date	Water level	Date	Water level
June 23, 1955	a27.61	Feb. 15, 1956	27.94	Aug. 31, 1956	28.23
July 11	a27.65	Feb. 20	27.95	Sept. 5	a28.28
July 31	27.65	Mar. 6	a27.99	Sept.10	28.28
Aug. 5	27.66	Mar. 10	27.99	Sept.15	28.29
Aug. 15	27.66	Mar. 15	28.02	Sept.20	28.30
Aug. 20	27.67	Mar. 20	28.02	Sept.25	28.30
Aug. 25	27.67	Mar. 25	28.05	Sept.30	28.31
Aug. 31	27.67	Mar. 31	28.06	Oct. 5	a28.33
Sept. 5	27.67	Apr. 5	28.06	Oct. 10	28.35
Sept.10	27.67	Apr. 10	28.06	Oct. 15	28.34
Sept.15	27.67	Apr. 15	28.08	Oct. 20	28.35
Sept.20	27.69	Apr. 20	28.08	Oct. 25	28.36
Sept.25	27.69	Apr. 25	28.09	Oct. 31	28.35
Sept.30	27.68	Apr. 30	28.09	Nov. 5	28.35
Oct. 5	a27.69	May 5	28.11	Nov. 10	28.39
Oct. 10	27.70	May 10	28.09	Nov. 15	28.38
Oct. 15	27.70	May 15	28.09	Nov. 20	28.39
Oct. 20	27.71	May 20	28.10	Nov. 25	28.43
Oct. 25	27.74	May 25	28.13	Nov. 30	28.44
Oct. 31	27.74	May 31	28.13	Dec. 5	28.42
Nov. 5	27.75	June 5	28.15	Dec. 10	28.40
Nov. 10	27.75	June 10	28.14	Dec. 15	28.40
Nov. 15	27.77	June 15	28.16	Dec. 20	28.43
Nov. 20	27.78	June 21	a28.15	Dec. 25	28.43
Nov. 25	27.78	June 25	28.15	Dec. 31	28.44
Nov. 30	27.79	June 30	28.16	Jan. 5, 1957	28.46
Dec. 5	27.80	July 5	a28.19	Jan. 10	28.49
Dec. 10	27.82	July 10	28.18	Jan. 15	28.50
Dec. 15	27.82	July 15	28.18	Jan. 20	28.49
Dec. 20	27.83	July 20	28.19	Jan. 25	28.52
Jan. 6, 1956	a27.88	July 25	28.19	Jan. 31	28.52
Jan. 10	27.87	July 31	28.21	Feb. 5	a28.54
Jan. 15	27.87	Aug. 6	a28.22	Feb. 10	28.53
Jan. 20	27.87	Aug. 10	28.22	Feb. 15	28.54
Jan. 25	27.88	Aug. 15	28.22	Feb. 20	28.55
Jan. 31	27.91	Aug. 20	28.23	Feb. 25	28.54
Feb. 5	27.91	Aug. 25	28.23	Feb. 28	28.59
Feb. 10	27.95				

a Tape measurement.

Table B .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

124-62-8adddl

Date	Water level	Date	Water level	Date	Water level
June 23, 1955	18.58	Nov. 28, 1955	18.76	June 22, 1956	18.96
July 28	18.60	Jan. 26, 1956	18.83	Oct. 17	19.12
Aug. 29	18.60	Feb. 27	18.92	Nov. 29	19.10
Sept.27	18.63	Apr. 11	18.96	Feb. 13, 1957	19.28
Oct. 26	18.66	May 22	18.96		

124-62-12bbl

Sept.18, 1951	22.54	Apr. 19, 1954	21.05	Oct. 26, 1955	22.39
Sept.19	22.33	May 24	21.19	Nov. 27	22.47
Sept.24	22.55	June 28	21.24	Jan. 26, 1956	22.55
Oct. 1	22.52	Nov. 19	22.49	Apr. 11	22.66
Oct. 15	22.50	Mar. 27, 1955	21.88	May 22	22.70
Nov. 29	22.52	Apr. 27	21.91	June 22	22.75
May 29, 1952	22.05	May 26	21.96	Aug. 29	22.88
Oct. 13	21.98	June 29	22.03	Oct. 10	22.98
Dec. 8	22.02	July 27	22.17	Dec. 18	23.01
Jan. 26, 1953	22.13	Aug. 29	22.29	Feb. 13, 1957	23.11
Apr. 1	21.94	Sept.27	22.34		

Table B .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

124-63-15cbbb1

[All readings noon daily water level from recorder chart unless otherwise noted]

Date	Water level	Date	Water level	Date	Water level
July 15, 1955	9.48	Jan. 31, 1956	9.88	Aug. 15, 1956	9.99
July 20	9.41	Feb. 6	a9.91	Aug. 20	10.00
July 25	9.40	Feb. 10	9.93	Aug. 25	10.05
July 31	9.44	Mar. 6	a10.12	Aug. 31	10.09
Aug. 5	a9.53	Mar. 10	10.15	Sept. 5	a10.18
Aug. 10	9.53	Mar. 15	10.18	Sept.10	10.20
Aug. 15	9.57	Mar. 20	10.19	Sept.15	10.22
Aug. 20	9.61	Mar. 25	10.14	Sept.20	10.25
Aug. 25	9.68	Mar. 31	9.99	Sept.25	10.29
Aug. 31	9.71	Apr. 5	9.74	Sept.30	10.30
Sept. 5	9.73	Apr. 10	9.62	Oct. 5	a10.31
Sept.10	9.78	Apr. 15	9.41	Oct. 10	10.33
Sept.15	9.78	Apr. 20	9.41	Oct. 15	10.23
Sept.20	9.82	Apr. 25	9.34	Oct. 20	10.14
Sept.25	9.86	Apr. 30	9.31	Oct. 25	10.04
Sept.30	9.86	May 5	9.27	Oct. 31	9.96
Oct. 5	a9.80	May 10	9.22	Nov. 5	9.90
Oct. 10	9.86	May 15	9.20	Nov. 10	9.82
Oct. 15	9.86	May 20	9.18	Nov. 15	9.77
Oct. 20	9.90	May 25	9.28	Nov. 20	9.77
Oct. 25	9.85	May 31	9.55	Nov. 25	9.76
Oct. 31	9.79	June 5	9.62	Nov. 30	9.77
Nov. 5	9.77	June 10	9.70	Dec. 5	9.77
Nov. 10	9.68	June 15	9.79	Dec. 10	9.75
Nov. 15	9.70	June 20	9.80	Dec. 15	9.77
Nov. 20	9.66	June 25	9.84	Dec. 20	9.85
Nov. 25	9.63	June 30	9.82	Dec. 25	9.88
Dec. 6	a9.48	July 5	a9.86	Dec. 31	9.87
Dec. 10	9.53	July 10	9.84	Jan. 5, 1957	9.90
Dec. 15	9.49	July 15	9.83	Jan. 10	9.95
Jan. 6, 1956	a9.63	July 20	9.87	Jan. 15	9.96
Jan. 10	9.67	July 25	9.94	Jan. 20	10.05
Jan. 15	9.67	July 31	10.10	Jan. 25	10.07
Jan. 20	9.76	Aug. 6	a10.02	Jan. 31	10.10
Jan. 25	9.82	Aug. 10	10.01	Feb. 5	a10.21

a Tape measurement.

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

124-63-20aba2

Date	Water level	Date	Water level	Date	Water level
July 25, 1955	8.49	July 26, 1956	10.50	Sept.12, 1956	10.56
May 21, 1956	10.40	Aug. 27	10.55	Oct. 4	10.12
June 21	10.36				

124-63-22bbb1

Date	Water level	Date	Water level	Date	Water level
July 26, 1955	9.66	July 26, 1956	8.05	Sept.12, 1956	10.18
May 21, 1956	9.20	Aug. 27	8.19	Oct. 4	8.50
June 21	7.65				

124-63-23cb1

Date	Water level	Date	Water level	Date	Water level
July 27, 1955	8.77	July 26, 1956	12.40	Sept.11, 1956	9.77
May 21, 1956	10.35	Aug. 27	9.68	Oct. 4	11.28
June 21	9.15				

124-63-28bb1

Date	Water level	Date	Water level	Date	Water level
July 25, 1955	10.07	July 26, 1956	10.85	Sept.12, 1956	11.07
May 21, 1956	10.45	Aug. 27	11.00	Oct. 4	11.17
June 21	10.63				

124-63-29bcc1

Date	Water level	Date	Water level	Date	Water level
July 25, 1955	10.57	July 26, 1956	13.02	Sept.13, 1956	12.18
June 21, 1956	10.26	Aug. 27	13.38	Oct. 4	a13.76

a Pumped recently

124-63-33cccc2

Date	Water level	Date	Water level	Date	Water level
May 21, 1956	9.34	July 26, 1956	10.77	Oct. 4, 1956	11.40
June 21	10.10	Aug. 27	11.00		

Table B .--Water levels in observations wells--Continued

BROWN COUNTY--Continued

124-63-34aad1

Date	Water level	Date	Water level	Date	Water level
July 26, 1955	12.10	July 26, 1956	12.74	Sept.11, 1956	13.47
May 21, 1956	a11.90	Aug. 27	13.01	Oct. 4	13.09
June 21	12.09				

a Pumping.

124-63-34aad2

July 26,1955	7.65	July 26, 1956	11.34	Sept.11, 1956	11.49
May 21, 1956	10.26	Aug. 27	11.39	Oct. 4	11.96
June 21	12.21				

125-60-7abbb1

June 23, 1955	19.84	Jan. 27, 1956	21.86	July 26,1956	21.76
July 27	20.82	Feb. 27	22.08	Aug. 27	22.27
Aug. 29	21.35	Apr. 11	21.95	Oct. 4	22.60
Sept.27	21.68	May 21	20.53	Oct. 16	22.66
Oct. 26	21.76	June 21	20.63	Nov. 29	22.65
Nov. 29	21.84				

125-63-5dddd1

Aug. 24, 1955	15.40	July 26, 1956	16.46	Sept.13, 1956	15.9
May 21, 1956	16.48	Aug. 27	16.45	Oct. 4	16.51
June 21	16.40				

Table 8 .--Water levels in observation wells--Continued

BROWN COUNTY--Continued

125-63-8dccc1

Date	Water level	Date	Water level	Date	Water level
Aug. 17, 1955	28.18	July 26, 1956	21.05	Oct. 4, 1956	21.07
May 21, 1956	a21.49	Aug. 27	20.68	Mar. 26, 1957	21.85
June 21	Dry	Sept.13	21.05		

a Pumping.

126-60-30cc2

Date	Water level	Date	Water level	Date	Water level
Oct. 15, 1951	2.40	May 24, 1954	1.27	Sept.27, 1955	7.73
Oct. 31	2.33	June 28	1.95	Oct. 26	7.98
Nov. 29	2.80	Nov. 20	4.72	Nov. 29	8.13
Jan. 31, 1952	3.35	Mar. 29, 1955	4.24	Feb. 27, 1956	8.85
May 28	(a)	Apr. 27	2.80	Apr. 11	6.83
Oct. 13	1.82	May 27	3.08	May 22	5.30
Dec. 9	2.38	June 29	3.08	Aug. 28	8.39
Jan. 26, 1953	3.78	July 27	5.56	Oct. 9	8.98
Apr. 1	.71	Aug. 29	6.99	Dec. 18	7.69
Apr. 19, 1954	.66				

a Water level 1.81 feet above land surface.

126-60-34b1

Date	Water level	Date	Water level	Date	Water level
Oct. 31, 1951	10.36	June 28, 1954	7.83	Sept.27, 1955	13.19
Nov. 29	10.07	Nov. 20	8.76	Oct. 26	13.44
May 28, 1952	7.50	Mar. 29, 1955	11.40	Nov. 29	13.19
Oct. 14	10.63	Apr. 27	10.75	Apr. 11, 1956	13.12
Dec. 9	10.82	May 27	10.98	May 22	10.27
Jan. 27, 1953	11.14	June 29	10.56	Aug. 28	12.65
Apr. 2	11.06	July 27	10.65	Oct. 9	13.82
Apr. 20, 1954	9.32	Aug. 29	12.32	Dec. 18	13.58
May 24	7.93				

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
BROWN COUNTY--Continued					
126-61-26ccl					
Oct. 22, 1951	8.00	Jan. 26, 1953	6.68	Apr. 27, 1955	(a)
Oct. 31	6.30	Apr. 1	4.94	June 29	(a)
Nov. 29	5.23	May 24, 1954	3.34	July 28	(a)
May 28, 1952	3.07	June 28	(a)	Sept.27	(a)
Oct. 13	6.48	Nov. 20	(a)	Nov. 28	(a)
Dec. 9	6.11	Mar. 26, 1955	(a)		
a No measurement; obstructed at 3.4 feet.					
126-61-30ccl					
Sept.21, 1950	8.27	July 9, 1951	7.70	Oct. 14, 1952	10.49
Oct. 30	8.22	July 16	7.69	Dec. 8	10.79
Nov. 27	8.36	July 18	7.72	Jan. 27, 1953	10.88
Dec. 29	8.25	July 31	8.01	Apr. 2	10.09
Feb. 9, 1951	8.70	Sept.10	8.86	Apr. 19, 1954	9.60
Apr. 9	8.00	Oct. 12	9.09	Oct. 26, 1955	9.80
Apr. 27	8.05	Nov. 29	9.27	May 22, 1956	(a)
June 2	8.00	Jan. 31, 1952	9.40	June 22	(a)
June 25	7.88	Mar. 11	9.55	Aug. 29	(a)
July 2	7.90	May 28	7.66	Oct. 10	(a)
a Dry to obstruction at 11.0 feet.					
126-62-6abbbl					
Aug. 16, 1955	34.58	July 26, 1956	a43.57	Sept.18, 1956	33.72
May 21, 1956	22.17	Aug. 27	a29.98	Oct. 4	42.10
June 21	24.20				
a Pumping.					

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

126-62-8babb1

Date	Water level	Date	Water level	Date	Water level
Aug. 16, 1955	13.77	July 26, 1956	14.70	Sept.18, 1956	14.87
May 21, 1956	14.98	Aug. 27	14.70	Oct. 4	15.03
June 21	14.80				

127-60-14dd2

July 16, 1951	8.79	Jan. 31, 1952	11.80	Apr. 20, 1954	10.28
Aug. 1	9.62	May 28	7.72	Aug. 30, 1955	13.42
Aug. 13	10.43	Oct. 15	11.28	May 22, 1956	11.72
Sept. 5	10.84	Dec. 9	11.52	June 22	11.85
Oct. 15	12.00	Jan. 27, 1953	12.79	Aug. 28	12.06
Nov. 28	10.95	Apr. 2	10.64	Oct. 9	13.65

127-60-20aa2

Sept.10, 1951	17.11	Dec. 9, 1952	16.09	May 22, 1956	(a)
Oct. 15	17.62	Jan. 27, 1953	16.67	June 22	(a)
Nov. 28	18.52	Apr. 2	16.90	Aug. 28	(a)
May 27, 1952	15.85	Apr. 20, 1954	15.00	Oct. 9	(a)
Oct. 15	16.29	Aug. 30, 1955	14.33		

a No measurement; obstructed at 11.75 feet.

Table B.--Water levels in observation wells--Continued

BROWN COUNTY--Continued

127-61-14dd1

Date	Water level	Date	Water level	Date	Water level
May 7, 1951	7.07	Sept.11, 1951	8.04	Apr. 2, 1953	8.74
June 1	7.40	Oct. 9	8.21	Apr. 20, 1954	7.63
June 25	7.35	Oct. 25	7.90	July 27, 1955	10.31
July 2	6.73	Nov. 30	7.90	Aug. 29	11.13
July 16	5.99	May 27, 1952	5.62	May 22, 1956	9.37
Aug. 1	6.80	Oct. 15	10.25	Aug. 28	11.78
Aug. 14	7.48	Dec. 9	10.17	Oct. 10	12.17
Aug. 16	7.52	Jan. 27, 1953	10.40		

127-61-36cc1

Apr. 4, 1951	9.70	Aug. 14, 1951	9.28	Jan. 27, 1953	10.22
May 7	8.93	Aug. 29	9.43	Apr. 1	9.68
June 2	8.90	Sept.10	9.49	Apr. 20, 1954	8.68
June 25	8.42	Oct. 8	9.52	Aug. 29, 1955	11.05
July 2	8.46	Nov. 29	9.52	May 22, 1956	10.30
July 9	8.15	May 27, 1952	7.22	June 22	10.75
July 16	7.95	Oct. 13	10.67	Aug. 29	11.85
July 31	8.74	Dec. 9	10.86	Oct. 9	12.21

127-62-36dd1

Sept.20, 1950	7.94	July 2, 1951	6.71	Oct. 14, 1952	8.82
Oct. 30	7.94	July 9	6.26	Dec. 8	8.33
Nov. 28	8.02	July 16	6.34	Jan. 27, 1953	8.83
Dec. 28	7.98	July 31	7.14	Apr. 2	7.64
Feb. 6, 1951	8.40	Sept.11	8.00	Apr. 19, 1954	6.88
Apr. 9	6.95	Oct. 9	8.20	Aug. 29, 1955	8.74
Apr. 26	6.72	Nov. 28	7.85	May 22, 1956	7.86
June 2	6.89	Jan. 31, 1952	8.30	June 22	8.29
June 7	6.30	Mar. 11	8.20	Aug. 29	9.42
June 25	6.40	May 29	6.31	Oct. 9	9.65

Table 8.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
DAY COUNTY					
124-59-30bcbb2					
Aug. 30, 1955	12.90	July 26, 1956	13.72	Sept.20, 1956	13.95
May 21, 1956	13.42	Aug. 27	13.70	Oct. 4	13.52
June 21	14.19				
124-59-31ddaa1					
Aug. 30, 1955	10.06	July 26, 1956	8.65	Sept.14, 1956	9.05
May 21, 1956	7.24	Aug. 27	9.00	Oct. 4	9.86
June 21	8.17				

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
MARSHALL COUNTY					
125-58-5bccc1					
June 23, 1955	12.68	Jan. 27, 1956	13.43	Aug. 27, 1956	13.41
July 28	12.98	Feb. 28	13.55	Oct. 4	13.68
Aug. 30	13.20	Apr. 12	11.41	Oct. 16	14.04
Sept.28	13.22	May 21	12.34	Nov. 29	14.16
Oct. 27	13.30	June 21	12.63	Feb. 14, 1957	13.98
Nov. 30	13.42	July 26	13.19		
125-58-29bbb2					
Aug. 24, 1955	6.64	July 26, 1956	7.88	Sept.25, 1956	8.62
May 21, 1956	6.66	Aug. 27	8.31	Oct. 4	8.60
June 21	7.18				
125-58-32aa1					
Sept. 1, 1955	13.47	June 21, 1956	13.74	Aug. 27, 1956	(a)
May 21, 1956	12.73	July 26	11.90	Well destroyed	
a Dry at 13.8 feet.					
125-58-32aa2					
July 26, 1956	12.79	Sept.25, 1956	13.79	Oct. 4, 1956	13.90
Aug. 27	14.26				
125-59-19dc2					
Aug. 11, 1955	21.40	July 26, 1956	22.83	Sept.26, 1956	22.98
May 21, 1956	21.06	Aug. 27	22.82	Oct. 4	22.40
June 21	20.24				

Table B .--Water levels in observation wells--Continued

MARSHALL COUNTY--Continued

125-59-21aad1

Date	Water level	Date	Water level	Date	Water level
Aug. 19, 1955	11.32	July 26, 1956	11.07	Sept.26, 1956	12.37
May 21, 1956	9.66	Aug. 27	11.75	Oct. 4	12.00
June 21	11.98				

125-59-25add1

Date	Water level	Date	Water level	Date	Water level
Aug. 17, 1955	12.67	June 21, 1956	18.13	Aug. 27, 1956	18.68
May 21, 1956	17.85	July 26	17.67	Oct. 4	16.07

125-59-32bc2

Date	Water level	Date	Water level	Date	Water level
May 21, 1956	20.10	July 26, 1956	20.77	Oct. 4, 1956	20.99
June 21	20.17	Aug. 27	20.87		

125-59-33daaa1

Date	Water level	Date	Water level	Date	Water level
June 23, 1955	12.05	Nov. 30, 1955	12.84	July 26, 1956	13.48
July 28	12.16	Apr. 12, 1956	12.79	Aug. 27	13.64
Aug. 30	12.52	May 21	13.04	Oct. 4	13.79
Sept.28	12.55	June 21	13.20	Oct. 16	13.82
Oct. 27	12.71				

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
MARSHALL COUNTY--Continued					
126-58-1cb2					
Sept.20, 1950	8.47	July 30, 1951	8.13	Apr. 21, 1954	7.78
Oct. 31	8.52	Aug. 1	8.10	May 25	7.51
Nov. 27	8.84	Aug. 11	8.35	June 29	7.65
Feb. 9, 1951	8.90	Sept.10	8.43	Nov. 19	7.05
Apr. 10	7.05	Sept.20	8.53	Mar. 28, 1955	9.51
Apr. 27	8.15	Oct. 3	8.62	Apr. 28	9.58
May 31	8.42	Nov. 28	8.78	May 27	9.54
June 4	8.38	May 29, 1952	6.55	June 30	9.51
June 21	8.06	Oct. 14	8.36	July 28	9.66
June 25	8.05	Dec. 9	8.97	Aug. 30	9.75
July 3	8.05	Jan. 27, 1953	9.23	Sept.28	9.85
July 16	7.98	Apr. 2	8.79	Well destroyed	
126-58-17aabb1					
June 23, 1955	10.06	Jan. 27, 1956	15.13	Aug. 27, 1956	15.71
July 28	12.72	Feb. 28	15.37	Oct. 4	16.48
Aug. 30	14.22	Apr. 12	15.32	Oct. 16	16.59
Sept.28	14.45	May 21	14.22	Nov. 29	17.59
Oct. 27	14.44	June 21	14.23	Feb. 14, 1957	17.14
Nov. 30	14.90	July 26	15.09		
126-58-23dd1					
July 3, 1951	14.60	Dec. 9, 1952	14.72	Aug. 30, 1955	15.49
July 11	14.59	Jan. 27, 1953	14.79	Sept.28	15.56
July 16	14.62	Apr. 2	14.54	Oct. 27	15.64
July 20	14.60	Apr. 21, 1954	14.40	Nov. 30	15.67
July 30	14.67	May 25	14.07	Feb. 28, 1956	15.75
Aug. 1	14.64	June 28	14.34	Apr. 12	15.72
Aug. 11	14.73	Nov. 19	14.92	May 22	15.69
Sept.11	14.76	Mar. 28, 1955	15.15	June 21	15.75
Sept.20	14.78	Apr. 28	15.24	Aug. 27	15.89
Oct. 3	14.82	May 27	15.25	Oct. 9	15.97
Nov. 28	14.90	June 30	15.39	Dec. 19	16.23
May 29, 1952	13.48	July 28	15.43	Feb. 14, 1957	16.23
Oct. 14	14.45				

Table B .--Water levels in observation wells--Continued

MARSHALL COUNTY--Continued

126-59-14aab1

Date	Water level	Date	Water level	Date	Water level
Sept.20, 1950	5.87	Oct. 10, 1951	4.75	July 28, 1955	5.52
Oct. 31	5.38	Nov. 28	4.24	Aug. 30	5.89
Nov. 20	5.64	Jan. 31, 1952	4.85	Sept.28	6.20
Apr. 10, 1951	3.50	May 28	2.45	Oct. 27	6.14
Apr. 27	3.56	Oct. 14	6.18	Nov. 30	6.11
May 31	4.30	Dec. 9	5.88	Feb. 28, 1956	6.45
June 8	2.86	Jan. 27, 1953	6.20	Apr. 12	4.19
June 25	3.41	Apr. 2	4.37	May 22	4.48
July 3	3.65	Nov. 20, 1954	5.78	June 21	4.99
July 16	2.19	Mar. 28, 1955	4.64	Aug. 27	6.39
July 18	2.77	Apr. 28	4.42	Oct. 9	6.86
Aug. 1	4.33	May 27	5.07	Dec. 19	6.31
Aug. 11	4.70	June 30	4.76	Feb. 14, 1957	7.06
Sept.11	4.90				

Table B .--Water levels in observation wells--Continued

MARSHALL COUNTY--Continued

126-59-18aaad1

/All readings noon daily water level from recorder chart unless otherwise noted/

Date	Water level	Date	Water level	Date	Water level
June 23, 1955	a17.18	Feb. 5, 1956	19.57	Aug. 10, 1956	17.45
July 11	a16.84	Feb. 10	19.61	Aug. 15	17.63
July 15	16.84	Feb. 15	19.68	Aug. 20	17.86
July 20	16.83	Feb. 20	19.72	Aug. 25	17.98
July 25	16.83	Feb. 25	19.77	Aug. 31	18.26
July 31	16.86	Feb. 29	19.81	Sept. 5	a18.58
Aug. 5	a17.00	Mar. 5	19.83	Sept.10	18.71
Aug. 10	16.97	Mar. 10	19.89	Sept.15	18.82
Aug. 15	17.03	Mar. 15	19.92	Sept.20	19.00
Aug. 20	17.17	Mar. 20	19.92	Sept.25	19.11
Aug. 25	17.29	Mar. 25	19.92	Sept.30	19.23
Aug. 31	17.52	Mar. 31	19.90	Oct. 5	a19.36
Sept. 5	17.72	Apr. 5	19.81	Oct. 10	19.40
Sept.10	18.09	Apr. 10	19.74	Oct. 15	19.48
Sept.15	18.20	Apr. 15	19.55	Oct. 20	19.54
Sept.20	18.30	Apr. 20	19.27	Oct. 25	19.60
Sept.25	18.35	Apr. 25	18.96	Oct. 31	19.60
Sept.30	18.49	Apr. 30	18.58	Nov. 5	19.61
Oct. 5	a18.55	May 5	18.26	Nov. 10	19.67
Oct. 10	18.63	May 10	18.12	Nov. 15	19.70
Oct. 15	18.70	May 15	17.77	Nov. 20	19.75
Oct. 20	18.78	May 20	17.56	Nov. 25	19.78
Oct. 25	18.83	May 25	17.28	Nov. 30	19.79
Oct. 31	18.88	May 31	16.92	Dec. 5	19.80
Nov. 5	18.91	June 5	16.68	Dec. 10	19.80
Nov. 10	18.93	June 10	16.63	Dec. 15	19.80
Nov. 15	18.96	June 15	16.58	Dec. 20	19.86
Nov. 20	18.97	June 20	16.54	Dec. 25	19.86
Nov. 25	19.03	June 25	16.53	Dec. 31	19.88
Nov. 30	19.03	June 30	16.53	Jan. 5, 1957	19.91
Dec. 5	19.04	July 5	a16.60	Jan. 10	20.03
Jan. 6, 1956	a19.25	July 10	16.61	Jan. 15	20.06
Jan. 10	a19.42	July 15	16.66	Jan. 20	20.07
Jan. 15	19.43	July 20	16.83	Jan. 25	20.16
Jan. 20	19.44	July 25	16.93	Jan. 31	20.17
Jan. 25	19.50	July 31	17.13	Feb. 5	a20.25
Jan. 31	19.56	Aug. 5	17.17		

a Tape measurement.

Table B .--Water levels in observation wells--Continued

MARSHALL COUNTY--Continued

126-59-33cbbb1

Date	Water level	Date	Water level	Date	Water level
June 23, 1955	10.21	Jan. 27, 1956	11.10	Aug. 27, 1956	11.17
July 28	10.11	Feb. 28	11.24	Oct. 4	11.43
Aug. 30	10.38	Apr. 12	11.25	Oct. 16	11.46
Sept.28	10.65	May 21	10.67	Nov. 29	11.57
Oct. 27	10.87	June 21	10.46	Feb. 14, 1957	11.75
Nov. 30	10.99	July 26	10.86		

127-58-14dd1

May 7, 1951	1.38	Sept.11, 1951	5.20	Jan. 28, 1953	5.38
May 31	3.12	Oct. 7	5.42	Apr. 2	1.57
June 5	.61	Oct. 11,	5.50	Apr. 21, 1954	1.51
June 25	2.06	Nov. 28	4.50	June 30, 1955	4.20
July 2	3.19	Jan. 31, 1952	5.00	Aug. 30	6.10
July 16	3.06	Mar. 11	4.80	May 22, 1956	2.99
July 31	4.10	Oct. 14	4.96	June 22	4.35
Aug. 15	4.80	Dec. 10	5.07	Oct. 9	7.07

127-58-17dd2

Apr. 5, 1951	12.60	Aug. 11, 1951	12.29	Dec. 10, 1952	12.85
May 7	12.40	Aug. 18	12.33	Jan. 28, 1953	13.19
June 2	12.28	Sept.11	11.95	Apr. 21, 1954	11.38
June 5	11.70	Oct. 7	12.79	Aug. 30, 1955	14.35
June 25	11.60	Nov. 28	12.40	May 22, 1956	13.51
July 2	11.68	Jan. 31, 1952	13.20	June 21	13.90
July 16	11.49	May 27	10.40	Aug. 27	15.11
July 31	11.79	Oct. 14	12.97	Oct. 9	15.36

Table B .--Water levels in observation wells--Continued

MARSHALL COUNTY--Continued

127-58-19cc1

Date	Water level	Date	Water level	Date	Water level
Sept.19, 1950	7.95	July 2, 1951	5.93	Oct. 14, 1952	7.18
Oct. 31	7.78	July 16	3.95	Dec. 10	7.15
Nov. 28	7.98	July 31	5.70	Jan. 28, 1953	7.47
Dec. 29	7.75	Aug. 11	6.38	Apr. 3	5.22
Feb. 9, 1951	8.10	Sept.11	6.72	Apr. 20, 1954	5.59
Apr. 10	4.60	Oct. 3	6.96	Aug. 30, 1955	8.29
Apr. 27	5.70	Nov. 28	6.45	May 22, 1956	6.78
May 31	5.43	Jan. 31, 1952	7.00	June 21	7.53
June 5	4.96	Mar. 11	7.15	Aug. 27	9.02
June 8	4.36	May 27	1.89	Oct. 9	9.40
June 25	5.54				

127-58-32dd1

Apr. 5, 1951	9.50	Aug. 18, 1951	12.57	Jan. 27, 1953	15.28
June 8	11.60	Sept.12	13.36	Apr. 21, 1954	11.54
June 25	11.66	Oct. 3	13.47	Aug. 30, 1955	16.63
July 3	11.85	Nov. 29	14.53	May 21, 1956	13.84
July 16	11.06	May 27, 1952	6.11	June 21	14.14
Aug. 1	11.58	Oct. 14	14.00	Aug. 27	16.14
Aug. 11	12.22	Dec. 9	15.02	Oct. 9	17.30

Table B .--Water levels in observation wells--Continued

MARSHALL COUNTY--Continued

127-59-17dd1

Date	Water level	Date	Water level	Date	Water level
Apr. 5, 1951	12.70	Aug. 18, 1951	11.49	Apr. 3, 1953	11.48
May 7	11.53	Sept.10	13.85	Apr. 20, 1954	9.84
May 31	11.50	Nov. 28	11.35	Aug. 30, 1955	13.80
June 25	10.66	Jan. 31, 1952	10.55	May 22, 1956	12.90
July 2	10.70	May 28	7.69	June 21	12.64
July 16	10.30	Oct. 15	12.09	July 27	13.64
Aug. 1	10.55	Dec. 9	12.78	Oct. 9	14.47
Aug. 13	11.39	Jan. 28, 1953	13.25		

127-59-33ad1

Sept.19, 1950	8.86	July 3, 1951	6.44	Oct. 14, 1952	8.34
Oct. 31	8.82	July 16	4.93	Dec. 9	8.54
Nov. 27	9.14	Aug. 1	5.85	Jan. 28, 1953	8.81
Dec. 29	9.05	Aug. 11	6.52	Apr. 2	7.38
Feb. 9, 1951	8.90	Sept. 4	7.16	Apr. 20, 1954	5.52
Apr. 10	7.55	Oct. 7	7.58	Aug. 30, 1955	9.09
Apr. 27	7.37	Nov. 29	7.80	May 22, 1956	7.89
May 16	7.14	Jan. 31, 1952	8.45	June 21	8.35
May 31	7.14	Mar. 11	8.35	Aug. 27	9.83
June 8	6.42	May 28	3.88	Oct. 9	10.14
June 25	6.35				

Table B .--Water levels in observation wells--Continued

SPINK COUNTY

115-62-6cdddl

Date	Water level	Date	Water level	Date	Water level
Sept.26, 1955	19.95	Apr. 13, 1956	21.29	July 26, 1956	20.92
Oct. 19	19.98	May 21	21.63	Aug. 27	19.77
Nov. 23	20.67	May 23	21.00	Oct. 4	19.75
Dec. 29	20.98	June 21	21.42	Nov. 28	19.92
Mar. 28, 1956	21.09	June 24	21.54	Jan. 23, 1957	19.96

116-61-8dddd1

Nov. 17, 1953	14.31	July 26, 1954	14.70	Nov. 5, 1954	14.85
July 2, 1954	14.72	Aug. 2	14.45	Dec. 15	14.90
July 9	14.71	Aug. 10	16.68	Well destroyed	
July 16	16.82	Aug. 24	14.74		

116-61-20cc1

June 25, 1947	14.55	May 2, 1949	13.38	Sept.22, 1950	13.52
Aug. 25	14.33	July 13	13.46	May 21, 1951	13.62
Apr. 29, 1948	14.38	Sept.19	13.24	Oct. 17	13.69
Aug. 25	14.70	May 10, 1950	12.40	Apr. 24, 1952	13.74
Nov. 17	13.71	July 19	13.60		

116-61-20ccccl

May 21, 1956	16.29	July 26, 1956	16.14	Aug. 27, 1956	15.73
June 21	14.57	Aug. 21	15.80	Oct. 4	15.87

116-61-31cdbb1

Sept.13, 1955	16.65	June 21, 1956	14.67	Aug. 27, 1956	13.64
May 21, 1956	15.00	Aug. 4	15.04	Oct. 4	14.40

Table B .--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-61-33abbb1

Date	Water level	Date	Water level	Date	Water level
Sept. 9, 1955	17.93	June 21, 1956	18.26	Aug. 27, 1956	17.90
May 21, 1956	18.32	July 26	a18.51	Oct. 4	17.94

a Pumped recently.

116-62-3ab1

Date	Water level	Date	Water level	Date	Water level
June 26, 1947	16.08	Sept.19, 1949	15.87	Apr. 24, 1952	15.66
Aug. 25	15.87	May 10, 1950	15.30	May 28, 1956	14.09
Apr. 29, 1948	14.51	July 19	15.80	June 21	b14.03
Aug. 25	14.15	Sept.22	15.92	July 26	14.00
Nov. 17	15.45	May 21, 1951	15.92	Aug. 27	13.83
May 2, 1949	15.72	Oct. 17	16.46	Oct. 4	13.88
July 13	a16.51				

a Pumped recently.
b Ponded water nearby.

116-62-11baaal

Date	Water level	Date	Water level	Date	Water level
Sept.14, 1955	3.78	June 21, 1956	3.14	Aug. 27, 1956	3.41
May 21, 1956	3.16	July 26	3.70	Oct. 4	3.70

116-62-11cbbb1

Date	Water level	Date	Water level	Date	Water level
Sept. 9, 1955	14.15	June 21, 1956	14.49	Aug. 27, 1956	14.64
May 21, 1956	14.73	July 26	a14.68	Oct. 4	15.32

a Pumping.

Table B.--Water levels in observation wells-- Continued

SPINK COUNTY--Continued

116-62-22dd1

Date	Water level	Date	Water level	Date	Water level
June 25, 1947	19.05	July 13, 1949	18.34	Oct. 17, 1951	18.45
Aug. 25	19.57	Sept.19	a19.49	May 21, 1956	17.06
Apr. 29, 1948	19.13	May 10, 1950	16.65	June 21	17.00
Aug. 25	18.08	July 19	18.05	July 26	16.95
Nov. 17	18.14	Sept.22	18.28	Aug. 27	16.81
May 2, 1949	18.30	May 21, 1951	18.24	Oct. 4	19.99

a Pumping.

116-62-25daaa1

Sept.26, 1955	14.73	Apr. 13, 1956	14.60	Aug. 27, 1956	11.94
Oct. 19	14.80	May 21	14.32	Oct. 4	12.08
Nov. 30	15.17	June 21	13.67	Nov. 27	12.57
Jan. 20, 1956	15.51	June 24	13.84	Feb. 15, 1957	13.22
Feb. 29	15.58				

116-62-29abba1

Oct. 16, 1951	14.49	Sept. 3, 1953	12.38	Aug. 18, 1955	14.79
Oct. 25	14.10	Nov. 2	12.81	Sept.16	14.91
Nov. 20	13.98	Mar. 8, 1954	13.47	Oct. 24	14.63
Apr. 17, 1952	7.27	May 10	13.95	Nov. 23	14.87
June 11	11.42	June 10	13.32	Mar. 28, 1956	13.96
Aug. 7	12.35	July 9	13.44	May 21	14.22
Aug. 13	13.85	Aug. 4	13.86	May 28	14.24
Aug. 30	14.10	Sept.20	14.17	June 21	14.25
Oct. 6	14.42	Oct. 13	14.80	July 26	14.45
Oct. 23	14.47	Nov. 5	14.68	Aug. 20	14.25
Nov. 13	14.53	Apr. 14, 1955	13.57	Aug. 27	14.36
Dec. 15	14.46	May 20	14.38	Oct. 4	14.65
Mar. 16, 1953	14.18	June 23	14.50	Nov. 29	14.70
July 1	12.71	July 19	14.71	Jan. 22, 1957	14.89
Aug. 5	12.00				

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-62-30aaaa1

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	16.40	Nov. 2, 1953	30.31	Aug. 18, 1955	24.96
Oct. 25	16.39	Mar. 8, 1954	29.66	Sept.16	24.74
Nov. 20	16.25	Apr. 8	29.39	Oct. 24	24.60
Apr. 17, 1952	12.94	May 10	29.12	Nov. 23	24.50
June 11	12.70	June 10	28.21	Dec. 29	24.43
Aug. 7	13.23	July 9	28.54	Mar. 28, 1956	23.96
Aug. 13	13.42	Aug. 4	28.38	May 21	5.43
Aug. 30	13.80	Sept.20	27.91	May 28	4.10
Oct. 6	14.50	Oct. 13	27.80	June 21	5.11
Oct. 23	14.63	Nov. 5	27.58	July 26	6.42
Nov. 13	11.70	Dec. 15	27.20	Aug. 20	7.29
Dec. 15	15.05	Jan. 11, 1955	27.23	Aug. 27	7.49
Jan. 21, 1953	14.91	Apr. 14	25.92	Oct. 4	8.66
July 1	30.01	May 20	25.76	Nov. 29	10.17
Aug. 5	29.83	June 23	25.25	Jan. 22, 1957	10.38
Sept. 3	30.04	July 19	25.14		

116-62-30aaaa2

Oct. 16, 1951	16.46	Nov. 2, 1953	12.20	July 19, 1955	(b)
Oct. 25	16.39	Mar. 8, 1954	12.17	Aug. 18	(b)
Nov. 20	16.36	Apr. 8	12.21	Sept.16	(b)
Apr. 17, 1952	10.93	May 10	12.79	Oct. 24	(b)
June 11	11.37	June 10	11.20	Nov. 23	c16.15
Aug. 7	12.13	July 9	11.39	Dec. 29	16.14
Aug. 13	12.43	Aug. 4	12.75	Mar. 28, 1956	15.44
Aug. 30	12.76	Sept.20	13.75	May 21	13.86
Oct. 6	13.91	Oct. 13	13.80	May 28	13.72
Oct. 23	13.94	Dec. 15	14.04	June 21	12.64
Nov. 13	13.96	Jan. 11, 1955	14.08	July 26	12.87
Dec. 15	14.34	Feb. 14	14.20	Aug. 20	12.40
Jan. 21, 1953	14.56	Mar. 12	a10.09	Aug. 27	12.36
July 1	11.18	Apr. 14	13.93	Oct. 4	13.76
Aug. 5	10.55	May 20	13.88	Nov. 29	13.95
Sept. 3	11.41	June 23	13.90	Jan. 22, 1957	14.24

a Ponded water nearby.
b Dry at 14.2 feet
c Well cleaned out prior to measurement.

Table B .--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-62-30aaaa3

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	Dry	Mar. 8, 1954	Dry	July 19, 1955	Dry
Oct. 25	Dry	Apr. 8	11.70	Aug. 18	Dry
Nov. 20	Dry	May 10	11.84	Sept.16	Dry
Apr. 17, 1952	11.75	June 10	11.47	Oct. 24	Dry
June 11	11.56	July 9	11.63	Nov. 23	Dry
Aug. 7	12.40	Aug. 4	12.72	Dec. 29	Dry
Aug. 13	12.68	Sept.20	13.66	Mar. 28, 1956	13.85
Aug. 30	13.13	Oct. 13	Dry	May 28	12.34
Oct. 6	Dry	Nov. 11	Dry	June 21	Dry
Oct. 23	Dry	Dec. 15	Dry	July 26	Dry
Nov. 13	Dry	Jan. 11, 1955	Dry	Aug. 20	Dry
Dec. 15	Dry	Feb. 14	Dry	Aug. 27	Dry
Jan. 21, 1953	Dry	Apr. 14	Dry	Oct. 4	Dry
Aug. 5	10.82	May 20	Dry	Nov. 29	Dry
Sept. 3	11.36	June 23	Dry	Jan. 22, 1957	Dry
Nov. 2	12.20				

116-62-30bbbb1

Oct. 16, 1951	5.55	Nov. 2, 1953	4.20	June 23, 1955	3.94
Oct. 25	5.50	Feb. 2, 1954	4.26	July 19	4.38
Nov. 20	5.61	Mar. 8	3.73	Aug. 18	4.81
Apr. 17, 1952	4.76	Apr. 8	3.54	Sept.16	5.06
June 11	4.81	May 10	3.45	Oct. 24	5.05
Aug. 7	5.10	June 10	3.25	Nov. 23	5.01
Aug. 13	5.17	July 9	3.52	Mar. 28, 1956	4.36
Aug. 30	5.24	Aug. 4	4.22	May 21	3.82
Oct. 6	5.54	Sept.20	4.46	May 28	3.91
Oct. 23	5.46	Oct. 13	4.46	June 21	4.74
Nov. 13	5.34	Nov. 5	4.38	July 26	4.18
Dec. 15	5.27	Dec. 15	4.30	Aug. 20	3.91
Jan. 21, 1953	5.03	Jan. 11, 1955	4.32	Aug. 27	4.01
Mar. 16	4.76	Feb. 14	4.63	Oct. 4	4.49
July 1	4.71	Mar. 12	4.18	Nov. 29	3.94
Aug. 5	3.52	Apr. 14	3.88	Jan. 22, 1957	3.92
Sept. 3	3.81	May 20	4.17		

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-62-30bbbb2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	9.88	Nov. 2, 1953	7.47	June 23, 1955	5.29
Oct. 25	9.86	Feb. 2, 1954	7.38	July 19	6.56
Nov. 20	9.87	Mar. 8	4.17	Aug. 18	8.41
Apr. 17, 1952	4.35	Apr. 8	2.75	Sept.16	9.61
June 11	5.57	May 10	2.61	Oct. 24	10.27
Aug. 7	5.13	June 10	2.36	Nov. 23	10.40
Aug. 13	5.33	July 9	3.64	Dec. 29	10.49
Aug. 30	5.86	Aug. 4	5.93	Mar. 28, 1956	7.41
Oct. 6	9.44	Sept.20	7.75	May 21	6.00
Oct. 23	9.70	Oct. 13	8.10	May 28	4.99
Nov. 13	9.87	Nov. 5	7.78	June 21	4.43
Dec. 15	9.83	Dec. 15	7.92	July 26	5.91
Jan. 21, 1953	9.97	Jan. 11, 1955	8.15	Aug. 20	5.04
Mar. 16	4.95	Feb. 14	8.70	Aug. 27	5.49
July 1	4.30	Mar. 12	7.38	Oct. 4	6.96
Aug. 5	2.81	Apr. 14	5.49	Nov. 29	6.50
Sept. 3	5.32	May 20	6.11	Jan. 22, 1957	7.55

116-63-4aaaal

Aug. 27, 1952	32.38	Sept.20, 1954	33.49	Oct. 19, 1955	33.56
Sept.12	34.04	Oct. 13	33.44	Nov. 22	33.61
Oct. 1	34.17	Nov. 5	33.42	Dec. 30	33.62
Oct. 29	34.28	Dec. 15	33.45	May 21, 1956	32.27
Dec. 5	34.14	Jan. 11, 1955	33.41	May 24	33.58
May 22, 1953	38.11	Feb. 14	33.47	June 19	33.51
July 1	33.82	Mar. 12	33.53	June 21	33.49
Mar. 5, 1954	33.52	Apr. 14	33.42	July 26	33.57
Apr. 8	33.48	May 17	33.46	Aug. 22	33.50
May 10	33.41	June 22	33.41	Aug. 27	33.45
June 7	33.31	July 18	33.40	Oct. 4	33.59
July 9	33.33	Aug. 15	33.45	Nov. 29	33.47
Aug. 3	33.39	Sept.14	33.49	Jan. 22, 1957	33.60

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-4aaaa2

Date	Water level	Date	Water level	Date	Water level
Aug. 27, 1952	(a)	Aug. 3, 1954	(a)	Nov. 22, 1955	(a)
Sept.12	(a)	Sept.20	(a)	Dec. 30	(a)
Oct. 1	(a)	Oct. 13	(a)	Feb. 20, 1956	(a)
Oct. 29	(a)	Nov. 5	(a)	Mar. 23	(a)
Dec. 5	(a)	Dec. 15	(a)	May 21	b33.46
May 22, 1953	(a)	Jan. 11, 1955	(a)	May 24	33.42
July 1	(a)	Feb. 14	(a)	June 19	33.43
Sept. 3	(a)	Mar. 12	(a)	June 21	33.42
Nov. 2	(a)	Apr. 14	(a)	July 26	33.47
Jan. 4, 1954	(a)	May 17	(a)	Aug. 22	33.38
Mar. 5	(a)	June 22	(a)	Aug. 27	33.30
Apr. 8	(a)	July 18	(a)	Oct. 4	33.52
May 10	(a)	Aug. 15	(a)	Nov. 29	33.26
June 7	(a)	Sept.14	(a)	Jan. 22, 1957	33.50
July 9	(a)	Oct. 19	(a)		

a Dry at 22.7 feet.
b Well cleaned out prior to measurement.

116-63-5ad2

Oct. 14, 1947	15.50	June 21, 1956	14.70	Aug. 27, 1956	14.70
Sept.11, 1948	15.30	July 26	14.67	Oct. 4	14.94
May 21, 1956	14.92				

116-63-5bbbb1

Aug. 27, 1952	12.89	Aug. 3, 1954	10.80	Oct. 19, 1955	12.15
Sept.12	12.87	Sept.20	11.30	Nov. 22	12.19
Oct. 1	13.05	Oct. 13	11.25	Mar. 23, 1956	12.58
Oct. 29	13.28	Nov. 5	11.50	May 21	12.08
Dec. 5	13.18	Dec. 15	11.84	May 24	12.23
May 22, 1953	12.76	Jan. 11, 1955	12.03	June 21	11.77
July 1	11.62	Apr. 14	12.65	July 26	11.12
Sept. 3	10.65	May 17	12.78	Aug. 22	11.12
Nov. 2	10.97	June 22	12.20	Aug. 27	11.11
Mar. 5, 1954	12.23	July 18	11.80	Oct. 4	11.26
Apr. 8	12.12	Aug. 15	11.93	Nov. 29	11.43
May 10	10.81	Sept.14	11.91	Jan. 22, 1957	11.80
July 9	a10.18				

a Ponded water nearby.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-19aal

Date	Water level	Date	Water level	Date	Water level
Oct. 3, 1947	7.20	June 21, 1956	1.47	Aug. 27, 1956	4.30
May 21, 1956	5.39	July 26	4.38	Oct. 4	5.66

116-63-20cdcdl

Sept.26, 1955	16.48	May 21, 1956	17.14	Aug. 27, 1956	16.82
Oct. 28	16.86	May 23	17.30	Nov. 26	17.84
Nov. 23	17.35	June 21	16.86	Jan. 23, 1957	18.01
Apr. 13, 1956	17.57	July 26	16.81		

116-63-25bbbbl

Oct. 16, 1951	25.21	Jan. 4, 1954	17.58	June 23, 1955	14.25
Oct. 25	24.16	Feb. 2	17.60	July 19	15.37
Nov. 20	24.00	Mar. 8	16.62	Aug. 18	17.28
Apr. 17, 1952	21.20	Apr. 8	16.58	Sept.16	18.16
June 11	20.40	May 10	16.37	Oct. 24	18.78
Aug. 7	20.39	June 10	15.57	Nov. 23	19.06
Aug. 13	20.69	July 9	15.25	Dec. 29	19.37
Aug. 30	17.85	Aug. 4	16.73	Mar. 28, 1956	17.40
Oct. 6	18.78	Sept.20	17.85	May 21	18.95
Oct. 23	18.50	Oct. 13	17.99	May 28	20.06
Nov. 13	18.39	Nov. 5	18.25	June 21	17.61
Dec. 15	18.74	Dec. 15	18.50	July 26	17.41
Jan. 21, 1953	18.88	Jan. 11, 1955	18.56	Aug. 20	17.00
Mar. 16	19.64	Feb. 14	18.89	Aug. 26	17.05
July 1	15.38	Mar. 12	18.54	Oct. 4	18.67
Aug. 5	13.52	Apr. 14	15.46	Nov. 29	19.31
Sept. 3	14.75	May 20	16.77	Jan. 22, 1957	19.80
Nov. 2	16.20				

Table B.--Water levels in observation wells--Continues

SPINK COUNTY--Continued

116-63-25bbbb2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	20.88	Aug. 5, 1953	12.10	Jan. 11, 1955	18.32
Oct. 25	20.63	Sept. 3	13.80	Feb. 14	18.63
Nov. 20	20.56	Nov. 2	16.81	Mar. 12	18.10
Apr. 17, 1952	14.02	Jan. 1, 1954	17.10	Apr. 14	15.06
June 11	16.35	Feb. 2	16.87	May 20	15.49
Aug. 7	15.73	Mar. 8	16.10	May 21, 1956	17.14
Aug. 13	16.25	Apr. 8	16.35	May 28	15.72
Aug. 30	16.53	May 10	16.01	June 21	12.27
Oct. 6	17.79	June 10	14.90	July 26	13.50
Oct. 23	17.71	July 9	14.96	Aug. 20	12.65
Nov. 13	17.62	Aug. 4	16.70	Aug. 27	12.98
Dec. 15	18.10	Sept.20	17.80	Oct. 4	15.61
Jan. 21, 1953	18.35	Oct. 13	17.83	Nov. 29	15.45
Mar. 16	18.21	Nov. 5	17.88	Jan. 22, 1957	16.78
July 1	13.06	Dec. 15	18.30		

116-63-25bbbb3

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	Dry	Sept. 3, 1953	14.12	June 23, 1955	14.66
Oct. 25	Dry	Nov. 2	14.64	July 19	14.54
Nov. 20	Dry	Jan. 4, 1954	14.70	Aug. 18	15.02
Apr. 17, 1952	Dry	Mar. 8	14.77	Sept.16	15.64
June 11	Dry	Apr. 8	14.55	Oct. 24	Dry
Aug. 7	16.00	May 10	14.65	Nov. 23	15.75
Aug. 13	16.15	June 10	14.29	Mar. 28, 1956	14.43
Aug. 30	Dry	July 9	14.44	May 21	Dry
Oct. 6	Dry	Aug. 4	14.64	May 28	14.31
Oct. 23	Dry	Sept.20	15.55	June 21	14.84
Nov. 13	Dry	Oct. 13	15.86	July 26	14.34
Dec. 15	Dry	Nov. 5	15.96	Aug. 20	14.03
Jan. 21, 1953	Dry	Dec. 15	15.81	Aug. 27	12.98
Mar. 16	14.37	Apr. 14, 1955	15.89	Oct. 4	15.04
July 1	14.20	May 20	16.03	Nov. 29	Dry
Aug. 5	14.45				

Table B .--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-26baaa1

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	14.20	Mar. 8, 1954	11.34	June 23, 1955	11.85
Oct. 25	14.25	Apr. 8	11.34	July 19	11.79
Nov. 20	14.21	May 10	10.64	Aug. 18	12.25
Apr. 17, 1952	13.06	June 10	9.92	Sept.16	12.59
June 11	12.15	July 9	9.78	Oct. 24	13.10
Aug. 7	11.98	Aug. 4	11.07	Nov. 23	13.63
Aug. 12	12.18	Sept.20	12.20	May 21, 1956	12.73
Aug. 30	12.24	Oct. 13	12.44	May 28	12.58
Oct. 6	13.09	Nov. 5	12.46	June 21	11.60
Oct. 23	13.03	Dec. 15	12.70	July 26	11.01
Nov. 13	12.97	Jan. 11, 1955	12.78	Aug. 20	10.83
Dec. 15	13.31	Feb. 14	13.05	Aug. 27	10.56
July 1, 1953	8.56	Mar. 12	13.17	Oct. 4	11.91
Aug. 5	8.74	Apr. 14	12.63	Nov. 29	12.14
Sept. 3	9.62	May 20	12.54	Jan. 22, 1957	12.77
Nov. 2	10.14				

116-63-26baaa2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	8.03	Mar. 8, 1954	11.27	June 23, 1955	12.20
Oct. 25	9.35	Apr. 8	11.05	July 19	12.17
Nov. 20	9.26	May 10	10.58	Aug. 18	12.18
Apr. 17, 1952	(a)	June 10	9.97	Sept.16	12.21
June 11	(a)	July 9	9.72	Oct. 24	12.31
Aug. 7	(a)	Aug. 4	11.00	Nov. 23	12.40
Aug. 12	(a)	Sept.20	11.32	May 21, 1956	10.73
Aug. 30	(a)	Oct. 13	11.44	May 28	11.19
Oct. 6	(a)	Nov. 5	11.56	June 21	11.61
Oct. 23	(a)	Dec. 15	11.80	July 26	11.40
Nov. 13	(a)	Jan. 11, 1955	11.82	Aug. 20	11.24
Dec. 15	(a)	Feb. 14	11.96	Aug. 27	11.14
July 1, 1953	8.71	Mar. 12	12.03	Oct. 4	11.26
Aug. 5	8.92	Apr. 14	12.00	Nov. 29	11.80
Sept. 3	9.76	May 20	12.16	Jan. 22, 1957	12.15
Nov. 2	10.60				

a No measurement; obstructed at 15.2 feet.

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
116-63-26bbbb1					
Oct. 16, 1951	7.13	Sept. 3, 1953	2.77	June 23, 1955	a3.68
Oct. 25	6.98	Nov. 2	5.30	July 19	4.28
Nov. 20	7.02	Jan. 4, 1954	4.89	Aug. 18	5.15
Apr. 17, 1952	3.11	Feb. 2	5.15	Sept.16	6.30
June 11	4.64	Mar. 8	a4.10	Oct. 24	6.25
Aug. 7	4.40	Apr. 8	a3.64	Nov. 23	6.51
Aug. 12	4.59	July 9	b2.76	Dec. 29	6.72
Aug. 30	4.92	Aug. 4	4.29	Mar. 28, 1956	6.15
Oct. 6	5.88	Sept.20	5.45	May 21	5.73
Oct. 23	6.00	Oct. 13	5.70	June 21	3.48
Nov. 13	6.03	Nov. 5	5.85	July 26	3.44
Dec. 15	6.29	Dec. 15	5.98	Aug. 20	b3.25
Jan. 21, 1953	6.44	Jan. 11, 1955	6.05	Aug. 27	3.39
Mar. 16	6.17	Feb. 14	6.30	Oct. 4	4.68
July 1	5.45	Apr. 14	a4.68	Nov. 29	4.85
Aug. 5	a1.10	May 20	4.96	Jan. 22, 1957	5.37

a Surrounded by ponded water.
b Ponded water nearby.

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
116-63-26bbbb2					
Oct. 16, 1951	7.04	Sept. 3, 1953	3.23	June 23, 1955	a1.38
Oct. 25	7.07	Nov. 2	6.03	July 19	4.18
Nov. 20	7.01	Jan. 4, 1954	5.16	Aug. 18	6.09
Apr. 17, 1952	2.37	Feb. 2	5.85	Sept.16	6.80
June 11	4.68	Mar. 4	a1.60	Oct. 24	7.16
Aug. 7	4.34	Apr. 8	a1.32	Nov. 23	7.36
Aug. 12	4.68	July 9	b2.44	Mar. 28, 1956	3.07
Aug. 30	5.28	Aug. 4	5.35	May 21	4.98
Oct. 6	6.33	Sept.20	6.58	June 21	.52
Oct. 23	6.44	Oct. 13	6.75	July 26	3.44
Nov. 13	6.50	Nov. 5	6.50	Aug. 20	b2.14
Dec. 15	6.50	Dec. 15	6.58	Aug. 27	3.34
Jan. 21, 1953	6.88	Jan. 11, 1955	6.66	Oct. 4	5.26
Mar. 16	1.57	Apr. 14	a2.05	Nov. 29	4.38
July 1	2.10	May 20	4.51	Jan. 22, 1957	5.73
Aug. 5	a1.20				

a Surrounded by ponded water.
b Ponded water nearby.

Table 8 .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
116-63-28aaab1					
Aug. 12, 1952	26.72	May 10, 1954	22.53	Aug. 18, 1955	22.32
Aug. 30	23.38	June 10	22.46	Sept.16	22.23
Oct. 6	23.47	July 9	22.07	Oct. 24	22.36
Oct. 23	23.44	Aug. 4	22.20	Nov. 23	23.63
Nov. 13	23.38	Sept.20	22.39	Dec. 29	22.52
Dec. 15	23.45	Oct. 18	22.54	Mar. 28, 1956	22.63
Jan. 21, 1953	23.48	Nov. 5	22.33	May 21	22.64
Mar. 16	24.51	Dec. 15	22.40	May 28	22.59
July 1	23.38	Jan. 11, 1955	22.45	June 21	22.48
Aug. 5	22.85	Feb. 14	22.53	July 26	21.73
Sept. 3	22.57	Mar. 12	22.63	Aug. 20	21.75
Nov. 2	23.99	Apr. 14	22.35	Aug. 27	21.46
Feb. 2, 1954	22.64	May 20	22.30	Oct. 4	22.03
Mar. 8	22.52	June 23	22.23	Nov. 29	21.71
Apr. 8	22.62	July 19	22.27	Jan. 22, 1957	22.19

Table B .--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-29aaaa1

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	21.32	Sept. 3, 1953	15.84	June 23, 1955	17.31
Oct. 25	21.60	Nov. 2	16.74	July 19	17.86
Nov. 20	21.71	Jan. 4, 1954	17.56	Aug. 18	18.42
Apr. 17, 1952	19.28	Mar. 8	16.85	Sept.16	18.78
June 11	18.69	Apr. 8	17.05	Oct. 24	19.32
Aug. 7	18.74	May 10	16.88	Nov. 23	19.77
Aug. 12	18.97	June 10	16.45	Dec. 29	19.88
Aug. 30	19.05	July 9	15.80	Mar. 28, 1956	19.90
Oct. 6	20.07	Aug. 4	16.24	May 21	19.69
Oct. 23	20.03	Sept.20	16.98	May 28	19.51
Nov. 13	19.88	Oct. 18	17.65	June 21	18.78
Dec. 15	20.23	Nov. 5	17.45	July 26	17.21
Jan. 21, 1953	20.27	Dec. 15	17.86	Aug. 20	17.56
Mar. 16	20.34	Jan. 11, 1955	18.03	Aug. 27	17.34
May 22	16.58	Feb. 14	18.48	Oct. 4	18.22
July 1	16.06	Apr. 14	16.51	Nov. 29	18.45
Aug. 5	15.67	May 20	17.05	Jan. 22, 1957	19.18

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-29aaaa2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	21.63	Sept. 3, 1953	15.95	July 19, 1955	17.89
Oct. 25	21.83	Nov. 2	17.01	Aug. 18	18.51
Nov. 20	21.72	Jan. 4, 1954	17.68	Sept.16	18.74
Apr. 17, 1952	18.48	Mar. 8	16.66	Oct. 24	19.30
June 11	18.70	Apr. 8	17.08	Nov. 23	19.94
Aug. 7	18.78	May 10	16.81	Dec. 29	20.00
Aug. 12	18.98	June 10	16.31	Mar. 28, 1956	19.77
Aug. 30	18.99	July 9	15.67	May 21	19.66
Oct. 6	20.17	Aug. 4	16.26	May 28	19.47
Oct. 23	20.04	Sept.20	17.10	June 21	18.38
Nov. 13	19.80	Oct. 18	17.72	July 26	17.07
Dec. 15	20.23	Nov. 5	17.45	Aug. 20	17.53
Jan. 21, 1953	20.36	Dec. 15	17.93	Aug. 27	17.22
Mar. 16	20.30	Jan. 11, 1955	18.04	Oct. 4	18.37
May 22	16.53	Apr. 14	16.37	Nov. 29	18.40
July 1	15.82	May 20	16.70	Jan. 22, 1957	19.31
Aug. 5	15.30	June 23	17.36		

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-29aaaa3

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	Dry	Nov. 2, 1953	13.58	July 19, 1955	11.85
Oct. 25	Dry	Jan. 4, 1954	12.80	Aug. 8	12.04
Nov. 20	Dry	Mar. 8	11.66	Sept.16	12.23
Apr. 17, 1952	13.13	Apr. 8	11.96	Oct. 24	12.45
June 11	Dry	May 10	12.13	Nov. 23	12.19
Aug. 7	Dry	June 10	11.74	Dec. 29	11.91
Aug. 30	Dry	July 9	11.87	Mar. 28, 1956	11.74
Oct. 6	Dry	Aug. 4	11.74	May 21	11.84
Oct. 23	Dry	Sept.20	12.10	May 28	11.71
Nov. 13	Dry	Oct. 18	12.22	June 21	11.73
Dec. 15	Dry	Nov. 5	12.25	July 26	11.88
Jan. 21, 1953	Dry	Dec. 15	12.20	Aug. 20	11.83
Mar. 16	12.46	Jan. 11, 1955	12.17	Aug. 27	11.94
May 22	11.96	Apr. 14	11.78	Oct. 4	12.09
July 1	12.10	May 20	11.97	Nov. 29	11.96
Aug. 5	11.87	June 23	11.84	Jan. 22, 1957	11.81
Sept. 3	12.17				

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-30aaaa1

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	20.04	Nov. 2, 1953	18.22	June 23, 1955	18.58
Oct. 25	20.01	Jan. 4, 1954	18.20	July 19	18.61
Nov. 20	20.17	Feb. 2	18.05	Aug. 18	18.55
Apr. 17, 1952	19.58	Mar. 8	18.13	Sept.16	18.40
June 11	18.17	Apr. 8	18.52	Oct. 24	18.55
Aug. 7	17.88	May 10	18.38	Nov. 23	18.83
Aug. 12	17.94	June 10	18.28	Dec. 29	18.78
Aug. 30	17.79	July 9	18.25	Mar. 28, 1956	18.57
Oct. 6	18.17	Aug. 4	18.34	Apr. 26	8.68
Oct. 23	18.00	Sept.20	19.35	May 21	14.45
Nov. 13	17.67	Oct. 18	18.58	May 28	15.30
Dec. 15	17.89	Nov. 5	18.30	June 21	17.05
Jan. 21, 1953	17.87	Dec. 15	18.31	July 26	18.28
Mar. 16	18.15	Jan. 11, 1955	18.30	Aug. 20	18.89
May 22	18.31	Feb. 14	18.49	Aug. 27	18.57
July 1	18.06	Mar. 12	18.62	Oct. 4	18.95
Aug. 5	18.23	Apr. 14	18.45	Nov. 29	18.61
Sept. 3	18.17	May 20	18.47	Jan. 22, 1957	19.01

Table B .--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-30aaaa2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	20.20	Sept. 3, 1953	18.39	July 19, 1955	18.70
Oct. 25	20.31	Nov. 2	18.60	Aug. 18	18.69
Nov. 20	20.39	Mar. 8, 1954	18.33	Sept.16	18.59
Apr. 17, 1952	19.53	Apr. 8	18.64	Oct. 24	18.66
June 11	18.43	May 10	18.53	Nov. 23	18.92
Aug. 7	18.04	June 10	18.48	Dec. 29	18.79
Aug. 12	18.11	July 9	18.45	Mar. 28, 1956	18.79
Aug. 30	17.95	Aug. 4	18.55	Apr. 26	4.06
Oct. 6	18.26	Sept.20	18.61	May 21	18.75
Oct. 23	18.10	Oct. 18	18.70	May 28	18.85
Nov. 13	17.88	Nov. 5	18.47	June 21	18.88
Dec. 15	18.09	Dec. 15	18.55	July 26	18.93
Jan. 21, 1953	18.04	Jan. 11, 1955	18.51	Aug. 20	19.04
Mar. 16	18.35	Feb. 14	18.65	Aug. 27	18.81
May 22	19.50	Apr. 14	18.58	Oct. 4	19.09
July 1	19.23	May 20	18.60	Nov. 29	18.85
Aug. 5	18.45	June 23	18.65	Jan. 22, 1957	19.18

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-30aaaa3

Date	Water level	Date	Water level	Date	Water level
June 11, 1952	15.23	Mar. 8, 1954	(a)	Aug. 18, 1955	16.78
Aug. 7	16.04	Apr. 8	b17.04	Sept.16	17.39
Aug. 12	16.12	May 10	17.07	Oct. 24	16.84
Aug. 30	16.28	June 10	17.24	Nov. 23	16.61
Oct. 6	(a)	July 9	17.19	Mar. 28, 1956	16.59
Oct. 23	(a)	Aug. 4	17.26	Apr. 26	.60
Nov. 13	(a)	Sept.20	17.30	May 21	6.88
Dec. 15	(a)	Oct. 18	17.30	May 28	7.25
Jan. 21, 1953	(a)	Nov. 5	17.40	June 21	8.40
Mar. 16	(a)	Dec. 15	17.32	July 26	9.90
May 22	(a)	Jan. 11, 1955	17.13	Aug. 20	10.85
July 1	(a)	Feb. 14	17.09	Aug. 27	10.97
Aug. 5	(a)	Apr. 14	16.70	Oct. 4	12.23
Sept. 3	(a)	May 20	16.71	Nov. 29	13.39
Nov. 2	(a)	June 23	16.74	Jan. 22, 1957	14.23
Jan. 4, 1954	(a)	July 19	16.76		

a Dry at 16.4 feet.
b Well cleaned out prior to measurement.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-63-36dddd1

Date	Water level	Date	Water level	Date	Water level
July 26, 1948	a24.8	Sept.19, 1949	22.76	Feb. 21, 1951	22.36
Aug. 26	a24.1	Oct. 3	a22.7	Mar. 28	22.38
Sept.28	a23.8	Nov. 1	a22.7	Apr. 25	22.38
Oct. 28	a23.6	Dec. 1	a22.7	May 21	22.43
Dec. 2	a22.3	Dec. 28	22.71	June 25	22.43
Jan. 6, 1949	a22.1	Feb. 21, 1950	22.58	July 25	22.42
Mar. 1	a22.1	Mar. 22	22.54	Sept.28	22.40
Apr. 1	a22.1	Apr. 20	22.53	Oct. 31	b25.43
May 1	a22.9	May 22	21.98	Nov. 20	25.10
June 1	a22.8	June 27	22.52	Apr. 17, 1952	25.28
June 14	23.00	July 19	22.55	Aug. 7	25.14
July 2	22.81	Aug. 25	22.47	Aug. 30	25.15
July 13	22.89	Sept.22	22.48	Apr. 13, 1954	24.54
July 29	22.83	Oct. 24	22.39	May 12	24.51
Aug. 1	a22.8	Nov. 29	22.43	June 14	24.47
Aug. 30	22.74	Dec. 22	22.40	July 9	24.46
Sept. 1	a22.8	Jan. 31, 1951	22.48	Well destroyed	

a Measurement by U. S. Bureau of Reclamation.
b Well pumped prior to measurement.

116-64-4cd1

Apr. 22, 1947	13.66	Nov. 17, 1948	17.07	July 21, 1950	19.79
June 18	19.41	Apr. 30, 1949	14.12	Sept.22	17.17
Aug. 26	19.66	July 14	17.57	Apr. 17, 1951	13.55
Aug. 24, 1948	a18.31	May 10, 1950	13.42	Nov. 6	21.28

a Pumping.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-64-19dddd1

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	20.44	July 21, 1953	18.70	June 10, 1954	19.12
Oct. 25	20.43	July 28	18.46	July 9	19.45
Nov. 20	20.38	Aug. 4	18.36	Aug. 4	19.79
June 11, 1952	19.70	Aug. 5	18.45	Sept.20	20.23
Aug. 7	19.51	Aug. 11	18.32	Oct. 18	20.38
Aug. 12	19.62	Aug. 18	18.50	Nov. 5	20.30
Aug. 27	19.67	Aug. 25	18.52	Dec. 21	20.70
Oct. 6	20.41	Sept. 1	18.65	Jan. 11, 1955	20.68
Oct. 23	20.22	Sept. 8	18.85	Feb. 14	20.75
Nov. 12	20.26	Sept.15	18.85	Mar. 12	20.52
Dec. 15	20.24	Sept.21	18.95	Apr. 14	20.09
Mar. 3, 1953	20.50	Sept.29	18.83	May 20	20.45
May 12	18.70	Oct. 7	18.96	June 23	19.89
May 19	18.60	Oct. 13	19.12	July 19	19.94
May 22	18.64	Oct. 19	19.09	Aug. 18	20.33
May 26	18.68	Oct. 27	19.20	Sept.16	20.65
June 2	18.74	Nov. 2	19.40	Oct. 24	20.70
June 9	18.67	Nov. 3	19.40	Nov. 23	20.76
June 16	18.56	Nov. 10	19.38	Mar. 28, 1956	20.68
June 23	18.50	Jan. 4, 1954	19.35	Apr. 26	20.80
June 30	18.36	Feb. 2	19.42	May 28	20.26
July 1	18.41	Mar. 8	19.43	Aug. 20	20.12
July 7	18.48	Apr. 8	19.39	Nov. 29	20.56
July 14	18.55	May 10	19.03	Jan. 22, 1957	20.71

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-64-19dddd2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	20.10	Sept. 3, 1953	18.49	Apr. 14, 1955	19.87
Oct. 25	20.23	Nov. 2	19.29	May 20	20.30
Nov. 20	20.36	Mar. 8, 1954	18.98	June 23	19.69
June 11, 1952	19.57	Apr. 8	19.14	July 19	19.71
Aug. 7	19.46	May 10	18.38	Aug. 18	20.10
Aug. 12	19.45	June 10	17.89	Sept.16	20.51
Aug. 27	19.57	July 9	18.49	Oct. 24	20.65
Oct. 6	20.28	Aug. 4	19.28	Nov. 23	20.62
Oct. 23	20.07	Sept.20	19.95	Mar. 28, 1956	20.58
Nov. 12	20.12	Oct. 18	20.30	Apr. 26	19.79
Dec. 15	20.10	Nov. 5	20.20	May 28	18.69
May 22, 1953	18.48	Dec. 21	20.54	Aug. 20	19.77
July 1	18.63	Jan. 11, 1955	20.49	Nov. 29	20.41
Aug. 5	18.33	Mar. 12	20.16	Jan. 22, 1957	20.52

116-64-19dddd3

Oct. 16, 1951	Dry	Sept. 3, 1953	Dry	Apr. 14, 1955	8.60
Oct. 25	Dry	Nov. 2	Dry	May 20	8.65
Nov. 20	Dry	Mar. 8, 1954	7.50	June 23	8.74
June 11, 1952	Dry	Apr. 8	7.15	July 19	8.61
Aug. 7	Dry	May 10	7.63	Aug. 18	8.77
Aug. 12	Dry	June 10	8.54	Sept.16	9.17
Aug. 27	Dry	July 9	8.86	Oct. 24	9.59
Oct. 6	Dry	Aug. 4	9.18	Nov. 23	9.54
Oct. 23	Dry	Sept.20	Dry	Mar. 28, 1956	9.45
Nov. 12	Dry	Oct. 18	Dry	Apr. 26	5.28
Dec. 15	Dry	Nov. 5	Dry	May 28	4.93
May 22, 1953	Dry	Dec. 21	Dry	Aug. 20	7.09
July 1	Dry	Jan. 11, 1955	Dry	Nov. 29	Dry
Aug. 5	9.00	Mar. 12	8.50	Jan. 22, 1957	Dry

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-64-20dddd1

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	12.22	July 28, 1953	10.35	July 9, 1954	10.88
Oct. 25	12.46	Aug. 4	10.53	Aug. 4	11.12
Nov. 20	12.11	Aug. 5	10.60	Sept.20	11.37
June 11, 1952	11.72	Aug. 11	10.76	Oct. 18	11.46
Aug. 7	11.78	Aug. 18	10.91	Nov. 5	11.49
Aug. 27	10.95	Aug. 25	10.95	Dec. 21	11.57
Oct. 6	12.15	Sept. 1	11.02	Jan. 11, 1955	11.63
Oct. 23	12.17	Sept. 3	11.06	Feb. 14	11.75
Nov. 12	12.15	Sept. 8	11.12	Mar. 12	11.74
Dec. 15	12.13	Sept.15	11.14	Apr. 14	11.75
Jan. 23, 1953	12.16	Sept.21	11.20	May 20	11.86
Mar. 3	12.15	Sept.29	11.15	June 23	11.62
May 12	10.75	Oct. 7	11.07	July 19	11.72
May 19	10.90	Oct. 13	11.01	Aug. 18	11.86
May 22	11.06	Oct. 19	11.24	Sept.16	11.97
May 26	11.13	Oct. 27	11.14	Oct. 24	12.08
June 2	11.20	Nov. 2	11.25	Nov. 23	12.20
June 9	11.24	Nov. 3	11.28	Dec. 29	12.10
June 16	11.12	Nov. 10	11.28	Mar. 28, 1956	12.15
June 23	10.63	Feb. 2, 1954	12.21	Apr. 26	11.80
June 30	10.78	Mar. 8	11.24	May 28	12.09
July 1	10.80	Apr. 8	10.85	Aug. 20	11.56
July 7	10.99	May 10	10.80	Nov. 29	11.76
July 14	11.12	June 10	10.55	Jan. 22, 1957	11.93
July 21	11.18				

Table B .--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-64-20dddd2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	9.22	Nov. 2, 1953	(a)	Apr. 14, 1955	11.56
Oct. 25	9.35	Feb. 2, 1954	11.13	May 20	11.65
Nov. 20	9.12	Mar. 8	10.97	June 23	11.26
June 11, 1952	11.60	Apr. 8	10.41	July 19	11.34
Aug. 7	11.38	May 10	10.40	Aug. 18	11.57
Aug. 27	10.79	June 10	9.96	Sept.16	11.78
Oct. 6	12.04	July 9	10.54	Oct. 24	11.95
Oct. 23	12.06	Aug. 4	10.87	Nov. 23	12.08
Nov. 12	12.04	Sept.20	11.17	Dec. 29	12.07
Dec. 15	12.04	Oct. 18	11.35	Mar. 28, 1956	11.96
Jan. 23, 1953	12.09	Nov. 5	11.29	Apr. 26	11.70
Mar. 3	12.11	Dec. 21	11.48	May 28	11.86
May 22	10.72	Jan. 11, 1955	11.51	Aug. 20	11.39
July 1	10.52	Feb. 14	11.61	Nov. 29	11.62
Aug. 5	10.05	Mar. 12	11.63	Jan. 22, 1957	11.80
Sept. 3	(a)				

a No measurement; obstructed at 10.3 feet.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-64-26aaaa1

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	10.50	Sept. 3, 1953	7.34	Mar. 12, 1955	b10.50
Oct. 25	10.91	Nov. 2	8.80	Apr. 14	10.08
Nov. 20	11.04	Jan. 4, 1954	8.70	May 20	9.95
Apr. 17, 1952	7.66	Feb. 2	8.90	June 23	9.59
June 11	7.97	Mar. 8	8.70	July 19	9.88
Aug. 7	8.86	Apr. 8	8.39	Aug. 18	10.40
Aug. 12	8.99	May 10	7.75	Sept.16	10.93
Aug. 30	9.33	June 10	b6.81	Oct. 24	11.33
Oct. 6	9.98	July 9	7.05	Nov. 23	11.47
Oct. 23	9.97	Aug. 4	8.98	Dec. 29	11.45
Nov. 13	9.97	Sept.20	9.09	Mar. 28, 1956	11.32
Dec. 15	10.10	Oct. 18	c10.19	Apr. 26	11.29
Jan. 21, 1953	10.15	Nov. 5	10.05	May 28	11.04
Mar. 16	10.53	Dec. 15	9.99	Aug. 20	11.00
July 1	6.96	Jan. 11, 1955	9.91	Nov. 29	11.68
Aug. 5	a6.54	Feb. 14	10.08	Jan. 22, 1957	11.76

a Ponded water nearby.
b Surrounded by ponded water.
c Well cleaned out prior to measurement.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-64-26aaaa2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	10.55	Sept. 3, 1953	6.66	Mar. 12, 1955	a9.55
Oct. 25	11.36	Nov. 2	8.71	Apr. 14	8.65
Nov. 20	11.31	Jan. 4, 1954	8.39	May 20	8.80
Apr. 17, 1952	7.42	Feb. 2	8.50	June 23	8.36
June 11	7.76	Mar. 8	8.28	July 19	8.78
Aug. 7	8.80	Apr. 8	7.96	Aug. 18	9.48
Aug. 12	8.96	May 10	7.46	Sept.16	10.04
Aug. 30	9.24	June 10	b6.33	Oct. 24	10.31
Oct. 6	9.97	July 9	6.64	Nov. 23	10.51
Oct. 23	9.96	Aug. 4	7.88	Dec. 29	10.51
Nov. 13	10.14	Sept.20	8.99	Mar. 28, 1956	10.44
Dec. 15	10.10	Oct. 18	9.25	Apr. 26	10.08
Jan. 21, 1953	10.17	Nov. 5	9.20	May 28	10.02
Mar. 16	9.93	Dec. 15	9.36	Aug. 20	9.99
July 1	6.40	Jan. 11, 1955	9.41	Nov. 29	10.72
Aug. 5	a4.83	Feb. 14	9.54	Jan. 22, 1957	10.85

a Ponded water nearby.
b Surrounded by ponded water.

116-64-26aaaa3

Oct. 16, 1951	10.53	Nov. 20, 1951	10.71	Well destroyed	
Oct. 25	10.44	Apr. 17, 1952	6.60		

116-64-32aal

Apr. 10, 1946	17.23	Apr. 27, 1948	15.43	May 15, 1950	15.82
June 14	16.70	Aug. 25	14.62	July 20	a16.63
Aug. 6	16.04	Nov. 17	15.19	Sept.26	16.52
Nov. 15	16.38	May 2, 1949	15.17	Apr. 17, 1951	16.57
Apr. 23, 1947	16.23	July 14	15.55	Nov. 8	16.84
June 16	15.68	Sept.10	16.51	Apr. 28, 1952	14.58
Aug. 26	16.80				

a Pumping.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

116-65-3aaaa2

Date	Water level	Date	Water level	Date	Water level
Aug. 27, 1952	14.68	Aug. 6, 1953	7.35	Oct. 1, 1954	17.15
Sept.12	15.88	Sept. 3	8.32	Nov. 5	17.80
Oct. 1	18.42	Nov. 2	9.25	Dec. 15	18.40
Oct. 29	19.16	Feb. 8, 1954	16.18	Jan. 11, 1955	18.82
Dec. 5	20.00	Mar. 5	a15.78	Feb. 14	19.38
Jan. 19, 1953	20.56	Apr. 8	15.48	Mar. 12	19.68
Feb. 25	20.62	May 10	14.22	Aug. 15, 1955	16.61
Mar. 19	20.64	June 7	a12.98	May 24, 1956	20.08
Mar. 30	20.51	July 9	10.84	June 19	17.89
May 22	12.84	Aug. 3	13.32	Aug. 22	18.65
July 1	9.41	Sept. 9	16.26	Nov. 29	20.50

a Ponded water nearby.

116-65-23dddd2

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	7.63	July 1, 1953	2.48	Oct. 18, 1954	8.40
Oct. 25	7.58	Aug. 5	3.55	Nov. 5	8.50
Nov. 20	7.29	Sept. 3	5.36	Dec. 21	8.56
June 11, 1952	5.19	Nov. 2	6.98	Jan. 11, 1955	8.87
Aug. 7	5.38	Mar. 8, 1954	6.28	Feb. 14	9.14
Aug. 12	5.62	Apr. 8	5.24	Mar. 12	a4.20
Aug. 27	6.17	May 10	5.22	Aug. 18	7.53
Oct. 6	7.35	June 10	4.36	Oct. 24	8.68
Oct. 23	7.50	July 9	5.93	May 28, 1956	5.42
Nov. 12	7.61	Aug. 4	7.18	Aug. 20	6.18
Dec. 15	7.75	Sept.20	8.28	Nov. 29	7.25
May 22, 1953	2.67				

a Ponded water nearby.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

117-61-6cbbb1

Date	Water level	Date	Water level	Date	Water level
Apr. 25, 1955	23.79	Oct. 20, 1955	23.73	June 24, 1956	23.64
May 17	23.75	Nov. 30	23.62	July 26	23.62
June 22	23.75	Apr. 13, 1956	23.67	Aug. 27	23.44
July 29	23.69	May 21	23.64	Oct. 4	23.39
Aug. 30	23.70	May 23	23.70	Nov. 28	23.39
Sept.26	23.63	June 21	23.63		

117-61-7ddcd2

Sept.21, 1955	14.98	June 21, 1956	14.08	Aug. 27, 1956	10.59
May 21, 1956	16.50	July 26	12.85	Oct. 4	12.63

117-61-21cdcd2

Sept.20, 1955	11.70	June 21, 1956	12.43	Aug. 27, 1956	11.56
May 21, 1956	12.67	July 26	12.35	Oct. 4	12.47

117-61-29bbcc1

Sept.20, 1955	18.03	June 21, 1956	18.47	Aug. 27, 1956	18.67
May 21, 1956	a18.48	July 26	18.08	Oct. 4	18.05

a Pumping.

117-61-33adddl

Sept.20, 1955	a16.75	June 21, 1956	16.82	Aug. 27, 1956	16.74
May 21, 1956	16.73	July 26	16.85	Oct. 4	16.75

a Pumped recently.

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
117-62-3abl					
June 14, 1955	19.28	June 21, 1956	18.71	Aug. 27, 1956	18.63
May 21, 1956	18.73	July 26	a18.72	Oct. 4	18.65
a Pumped recently.					
117-62-9abbbl					
Sept.16, 1955	a21.21	June 21, 1956	19.95	Aug. 27, 1956	19.68
May 21, 1956	19.99	July 26	19.83	Oct. 4	19.70
a Pumping.					
117-62-23abbbl					
Sept.15, 1955	17.25	June 21, 1956	16.86	Aug. 27, 1956	16.65
May 21, 1956	17.08	July 26	16.78	Oct. 4	16.68
117-62-26bbccl					
May 18, 1956	15.26	June 21, 1956	14.52	Aug. 27, 1956	14.37
May 21	14.72	July 26	14.58	Oct. 4	14.48
117-62-31dddal					
Apr. 25, 1955	(a)	Sept.28, 1955	(a)	June 24, 1956	16.18
May 17	(a)	Oct. 20	(a)	July 26	16.22
June 22	(a)	Nov. 30	(a)	Aug. 27	16.28
July 18	(a)	Apr. 13, 1956	(a)	Nov. 28	16.27
Aug. 30	(a)	May 23	16.10	Feb. 15, 1957	16.30
a No measurement; obstructed at 7.5 feet.					

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
117-62-35bbl					
June 26, 1947	21.62	Sept.19, 1949	21.28	Sept.15, 1955	18.77
Aug. 25	23.07	May 10, 1950	21.29	May 21, 1956	19.85
Apr. 29, 1948	21.90	July 19	21.54	June 21	19.81
Aug. 25	21.14	Sept.22	21.50	July 26	19.87
Nov. 19	21.20	May 21, 1951	21.39	Aug. 27	19.69
May 2, 1949	21.40	Oct. 15	24.82	Oct. 4	19.69
July 13	a21.41				
a Pumping.					
117-62-35dcdc2					
Sept.15, 1955	12.42	June 21, 1956	11.44	Aug. 27, 1956	11.10
May 21, 1956	11.60	July 26	12.02	Oct. 4	12.07
117-63-20bcccl					
July 16, 1956	13.72	Aug. 27, 1956	13.91	Nov. 27, 1956	15.18
July 26	13.80	Oct. 4	14.31	Feb. 18, 1957	15.94
117-63-26bbbbl					
July 16, 1956	6.53	Aug. 27, 1956	7.94	Nov. 27, 1956	9.95
July 26	7.12	Oct. 4	9.52	Feb. 18, 1957	10.63

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

117-64-27aabal

Date	Water level	Date	Water level	Date	Water level
Sept.26, 1955	11.67	Apr. 13, 1956	10.39	July 26, 1956	10.65
Oct. 20	11.94	May 21	10.27	Aug. 27	11.29
Nov. 22	12.12	May 22	10.32	Oct. 4	12.01
Jan. 26, 1956	12.34	June 21	10.55	Nov. 27	12.38
Feb. 27	12.39	June 24	10.27	Jan. 23, 1957	12.50
Mar. 23	11.97				

117-64-32dddd1

Aug. 27, 1952	8.47	Apr. 8, 1954	5.47	June 22, 1955	(a)
Sept.12	8.93	May 10	5.94	July 18	(a)
Oct. 1	9.51	July 9	6.74	Aug. 15	(a)
Oct. 29	9.55	Aug. 3	8.25	Sept.14	(a)
Dec. 5	9.88	Sept.20	9.73	Oct. 19	(a)
Mar. 19, 1953	8.47	Oct. 13	9.85	Nov. 22	(a)
Mar. 30	8.02	Nov. 5	10.03	Dec. 30	(a)
May 22	5.07	Dec. 15	10.25	May 24, 1956	8.88
July 1	4.33	Jan. 11, 1955	10.34	June 19	9.27
Aug. 6	6.05	Feb. 14	10.50	Aug. 22	10.29
Sept. 3	7.00	Apr. 14	7.99	Nov. 29	11.79
Nov. 2	7.71	May 17	(a)	Jan. 22, 1957	12.22

a No measurement; obstructed at 3.0 feet.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

117-64-35dddd1

Date	Water level	Date	Water level	Date	Water level
Aug. 27, 1952	17.51	May 10, 1954	(a)	Aug. 15, 1955	18.90
Sept.12	17.81	June 6	(a)	Sept.14	19.26
Oct. 1	18.43	July 9	(a)	Oct. 19	19.94
Oct. 29	18.51	Aug. 3	(a)	Nov. 22	20.26
Dec. 5	17.63	Sept.20	(a)	Mar. 23, 1956	22.02
Jan. 19, 1953	17.25	Oct. 13	(b)	May 21	22.61
Mar. 19	16.97	Nov. 5	(b)	May 24	22.69
Mar. 30	16.01	Dec. 15	(b)	June 19	20.10
May 22	18.71	Jan. 11, 1955	(b)	June 21	19.93
July 1	19.29	Feb. 14	(b)	July 26	20.71
Aug. 6	19.78	Apr. 14	17.17	Aug. 22	21.24
Sept. 3	20.21	May 17	18.09	Aug. 27	21.40
Nov. 2	20.60	June 22	18.62	Oct. 4	22.47
Mar. 5, 1954	(a)	July 18	18.66	Jan. 22, 1957	(b)
Apr. 8	(a)				

a No measurement; obstructed at 22.60 feet.
b No measurement; obstructed at 23.01 feet.

118-61-9cccc1

July 26, 1956	10.68	Sept.27, 1956	4.98	Nov. 27, 1956	6.90
Aug. 29	a2.03	Oct. 4	5.55	Feb. 18, 1957	9.30

a Surrounded by ponded water.

118-61-29ccbb1

Sept.28, 1955	19.27	June 21, 1956	19.15	Aug. 27, 1956	18.20
May 21, 1956	19.59	July 26	19.08	Oct. 4	17.84

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-62-1aaab1

Date	Water level	Date	Water level	Date	Water level
Sept.26, 1955	15.06	May 22, 1956	13.28	Aug. 29, 1956	14.75
Oct. 20	15.21	May 23	13.37	Oct. 4	15.70
Nov. 30	15.43	June 21	13.41	Nov. 27	16.45
Jan. 20, 1956	15.74	June 24	13.52	Feb. 15, 1957	17.22
Apr. 13	13.35	July 26	14.44		

118-62-9dddd1

July 26, 1956	13.49	Aug. 29, 1956	13.82	Nov. 27, 1956	15.43
Aug. 17	13.65	Oct. 4	14.66	Feb. 18, 1957	16.41

118-62-14ddaa1

May 21, 1956	11.21	July 26, 1956	11.38	Oct. 4, 1956	12.92
June 21	10.42	Aug. 29	11.62		

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-62-19daad1

[All readings noon daily water level from recorder chart unless otherwise noted]

Date	Water level	Date	Water level	Date	Water level
May 6, 1955	a12.99	Nov. 25, 1955	14.40	July 20, 1956	12.27
May 10	13.20	Nov. 30	14.37	July 25	12.44
May 15	13.38	Dec. 6	a14.28	July 31	12.68
May 20	13.53	Jan. 6, 1956	a14.66	Aug. 5	12.71
May 25	13.64	Jan. 10	14.65	Aug. 10	11.43
May 31	13.58	Jan. 15	14.54	Aug. 15	10.94
June 5	12.43	Jan. 20	14.59	Aug. 20	10.95
June 10	11.18	Jan. 25	14.57	Aug. 25	11.02
June 15	11.00	Jan. 31	14.71	Aug. 31	11.19
June 20	10.97	Feb. 5	14.71	Sept. 5	a11.60
June 25	11.05	Feb. 10	14.71	Sept.10	11.68
June 30	11.08	Feb. 15	14.80	Sept.15	11.85
July 5	11.22	Mar. 6	a14.85	Sept.25	12.22
July 10	11.33	Mar. 10	14.89	Sept.30	12.42
July 15	11.17	Mar. 15	14.89	Oct. 5	a12.53
July 20	11.05	Mar. 20	14.37	Oct. 10	12.74
July 25	11.14	Mar. 25	13.28	Oct. 15	12.81
July 31	11.60	Mar. 31	12.63	Oct. 20	12.92
Aug. 5	a11.96	Apr. 5	11.92	Oct. 25	12.84
Aug. 10	12.20	Apr. 10	11.35	Oct. 31	12.95
Aug. 15	12.43	Apr. 15	11.07	Nov. 5	13.06
Aug. 20	12.55	Apr. 20	11.26	Nov. 10	12.97
Aug. 25	12.67	Apr. 25	11.25	Nov. 15	13.02
Aug. 31	12.89	Apr. 30	11.39	Nov. 20	13.11
Sept. 6	a13.15	May 5	11.45	Nov. 25	13.13
Sept.15	13.37	May 10	11.41	Nov. 30	13.05
Sept.20	13.58	May 15	11.64	Dec. 5	13.11
Sept.25	13.72	May 20	11.65	Dec. 10	12.98
Sept.30	13.76	May 25	11.73	Dec. 15	13.13
Oct. 5	a13.72	May 31	11.67	Dec. 20	13.20
Oct. 10	13.88	June 5	11.55	Dec. 25	13.24
Oct. 15	14.00	June 10	11.66	Dec. 31	13.22
Oct. 20	14.13	June 15	11.82	Jan. 5, 1957	13.32
Oct. 25	14.10	June 20	11.89	Jan. 10	13.46
Oct. 31	14.14	June 25	11.88	Jan. 15	13.48
Nov. 5	14.17	June 30	11.94	Jan. 20	13.40
Nov. 10	14.07	July 5	a12.27	Jan. 25	13.64
Nov. 15	14.24	July 10	12.21	Jan. 31	13.62
Nov. 20	14.34	July 15	12.11	Feb. 5	a13.75

a Tape measurement.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-62-27daaal

Date	Water level	Date	Water level	Date	Water level
Sept.29, 1955	16.42	June 21, 1956	16.58	Oct. 4, 1956	17.47
May 21, 1956	16.98	Aug. 27	16.77		

118-62-35abbal

Sept.29, 1955	11.55	June 21, 1956	10.32	Aug. 27, 1956	11.25
May 21, 1956	12.13	July 26	12.99	Oct. 5	12.69

118-63-1cdddl

July 29, 1955	18.74	Feb. 29, 1956	19.23	July 26, 1956	19.06
Aug. 30	18.92	Apr. 13	19.28	Aug. 29	19.04
Sept.26	18.97	May 21	19.14	Oct. 4	19.25
Oct. 20	18.92	May 23	19.33	Nov. 27	19.11
Nov. 30	19.11	June 21	19.03	Feb. 15, 1957	19.47
Jan. 20, 1956	19.05	June 24	19.16		

118-63-16aaaal

Aug. 23, 1956	15.75	Oct. 4, 1956	16.10	Feb. 18, 1957	17.35
Aug. 29	15.76	Nov. 27	16.48		

118-63-32bccdl

June 23, 1955	25.35	Feb. 27, 1956	26.47	June 24, 1956	26.36
Aug. 31	25.91	Mar. 23	26.38	July 26	26.48
Sept.28	26.20	Apr. 13	26.26	Aug. 27	26.56
Oct. 19	26.30	May 21	26.20	Oct. 4	26.25
Nov. 22	26.49	May 23	26.29	Nov. 27	26.40
Jan. 26, 1956	26.48	June 21	26.35	Jan. 23, 1957	26.57

Table B.--Water levels in observations wells--Continued

SPINK COUNTY--Continued

118-64-7cccc1

Date	Water level	Date	Water level	Date	Water level
Sept.28, 1951	18.95	Aug. 6, 1953	16.08	Mar. 12, 1955	13.98
Oct. 26	20.84	Oct. 20	17.41	Apr. 14	12.53
Apr. 18, 1952	20.58	Feb. 4, 1954	15.03	May 17	12.26
June 11	18.95	Mar. 5	14.34	June 22	12.14
Aug. 6	18.64	Apr. 9	12.86	July 18	12.17
Aug. 26	18.52	May 11	11.92	Aug. 15	12.68
Sept. 8	18.47	June 10	10.83	Sept.14	13.28
Oct. 2	18.73	July 7	9.78	Oct. 19	13.68
Oct. 20	18.58	Aug. 3	10.97	Nov. 18	14.14
Dec. 5	18.59	Sept. 8	12.18	Feb. 20, 1956	14.95
Jan. 14, 1953	18.74	Sept.30	12.70	Mar. 23	15.19
Feb. 24	19.06	Nov. 9	13.15	May 24	14.46
Mar. 17	18.60	Dec. 15	13.05	June 19	14.43
Mar. 27	18.78	Jan. 12, 1955	13.72	Aug. 22	14.94
May 22	17.25	Feb. 14	13.74	Jan. 24, 1957	16.58
July 1	16.50				

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
118-64-7cccc2					
Sept.28, 1951	9.63	Aug. 6, 1953	(a)	Apr. 14, 1955	12.23
Oct. 26	10.12	Oct. 20	(a)	May 17	11.85
Apr. 18, 1952	(a)	Mar. 5, 1954	15.66	June 22	11.81
June 11	(a)	Apr. 9	12.74	July 18	11.84
Aug. 6	(a)	May 11	11.43	Aug. 15	12.15
Aug. 26	(a)	June 11	10.35	Sept.14	12.53
Sept. 8	(a)	July 7	9.04	Oct. 19	13.44
Oct. 2	(a)	Aug. 3	9.63	Nov. 18	13.70
Oct. 20	(a)	Sept. 8	10.45	Feb. 20, 1956	13.90
Dec. 5	(a)	Sept.30	11.30	Mar. 23	14.00
Jan. 14, 1953	(a)	Nov. 9	12.51	May 24	14.47
Feb. 24	(a)	Dec. 15	12.70	June 19	14.34
Mar. 17	(a)	Jan. 12, 1955	13.26	Aug. 22	14.82
Mar. 27	(a)	Feb. 14	13.37	Nov. 27	15.67
May 22	(a)	Mar. 12	13.37	Jan. 24, 1957	16.40
July 1	(a)				

a No measurement; obstructed at 15.7 feet.

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
118-64-8cccc1					
Sept.28, 1951	14.36	Aug. 6, 1953	5.20	Mar. 12, 1955	a1.68
Oct. 26	15.51	Oct. 20	7.05	Apr. 14	6.90
Apr. 18, 1952	2.60	Mar. 5, 1954	4.93	May 17	8.42
June 11	6.47	Apr. 9	3.70	June 22	8.59
Aug. 6	7.30	May 11	a1.48	July 18	9.23
Aug. 26	8.43	June 10	a1.52	Aug. 15	9.97
Sept. 4	8.83	July 7	5.21	Sept.14	10.63
Oct. 2	9.97	Aug. 3	7.17	Oct. 19	11.14
Oct. 20	10.21	Sept. 8	8.75	Nov. 18	11.50
Dec. 5	11.08	Sept.30	9.25	Mar. 23, 1956	8.58
Jan. 14, 1953	11.73	Nov. 9	9.75	May 24	11.15
Feb. 24	12.22	Dec. 15	10.05	June 19	11.58
Mar. 27	3.11	Jan. 12, 1955	10.42	Aug. 22	12.32
May 22	4.20	Feb. 14	10.70	Nov. 27	13.10
July 1	4.39				

a Surrounded by ponded water.

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
118-64-8cccc2					
Sept.28, 1951	10.48	Aug. 6, 1953	5.22	Apr. 14, 1955	6.86
Oct. 26	12.54	Oct. 20	6.96	May 17	8.20
Apr. 18, 1952	1.57	Mar. 5, 1954	4.91	June 22	8.60
June 11	6.34	Apr. 9	3.71	July 18	9.18
Aug. 6	7.32	May 11	a1.45	Aug. 15	9.97
Aug. 26	8.45	June 10	a1.48	Sept.14	10.64
Sept. 4	8.93	July 7	5.24	Oct. 19	11.16
Oct. 4	9.92	Aug. 3	7.17	Nov. 18	11.53
Oct. 20	10.24	Sept. 8	8.81	Feb. 20, 1956	12.46
Dec. 5	11.10	Sept.30	9.25	Mar. 23	6.89
Jan. 14, 1953	11.76	Nov. 9	9.35	May 24	(b)
Feb. 24	12.18	Dec. 15	9.35	June 19	(b)
Mar. 27	3.13	Jan. 12, 1955	10.40	Aug. 22	(b)
May 22	4.21	Feb. 14	10.69	Nov. 27	(b)
July 1	4.38	Mar. 12	a.58		

a Surrounded by ponded water.
b No measurement; obstructed at 8.75 feet.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-64-8dcccl

Date	Water level	Date	Water level	Date	Water level
Sept.26, 1955	13.20	Apr. 13, 1956	14.79	July 26, 1956	15.21
Oct. 20	13.55	May 21	14.92	Aug. 27	15.15
Nov. 18	13.72	May 23	14.97	Oct. 4	15.25
Jan. 27, 1956	14.17	June 19	15.01	Nov. 27	15.16
Mar. 23	14.73	June 21	15.00	Jan. 24, 1957	15.29

118-64-9ddddl

Sept.28, 1951	23.98	Apr. 9, 1954	28.20	Aug. 15, 1955	26.75
Oct. 26	24.95	May 11	27.75	Sept.14	26.80
Apr. 18, 1952	29.45	June 10	a27.16	Oct. 19	26.84
June 11	29.48	July 7	26.93	Nov. 18	26.88
Aug. 6	29.42	Aug. 3	27.00	Feb. 20, 1956	26.92
Aug. 26	29.41	Sept. 8	27.20	Mar. 23	26.98
Sept. 4	29.40	Sept.30	27.28	May 24	26.74
Oct. 21	29.32	Nov. 9	27.48	June 19	26.65
Dec. 5	29.29	Dec. 15	27.33	June 21	26.62
Jan. 14, 1953	29.27	Jan. 12, 1955	27.50	July 26	26.57
July 1	29.20	Feb. 14	27.58	Aug. 22	26.58
Aug. 6	29.15	Mar. 12	a27.38	Aug. 27	26.54
Oct. 20	29.20	Apr. 14	26.99	Oct. 4	26.70
Jan. 5, 1954	28.89	May 17	26.89	Nov. 27	26.68
Feb. 4	28.87	June 22	26.69	Jan. 24, 1957	26.85
Mar. 5	28.75	July 18	26.69		

a Ponded water nearby.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-64-9dddd2

Date	Water level	Date	Water level	Date	Water level
Sept.28, 1951	19.40	May 11,1954	28.35	Aug. 15, 1955	24.07
Oct. 26	20.60	June 10	a24.85	Sept.14	24.43
Apr. 18, 1952	25.06	July 7	25.30	Oct. 19	24.78
June 11	26.30	Aug. 3	25.58	Nov. 18	25.03
Aug. 6	25.71	Sept. 8	25.86	Feb. 20, 1956	25.42
Aug. 26	26.11	Sept.30	26.02	Mar. 23	23.65
Sept. 4	26.27	Nov. 9	26.33	May 24	26.49
May 22, 1953	27.47	Dec. 15	26.55	June 19	26.42
July 1	27.56	Jan. 12, 1955	26.59	June 21	26.38
Aug. 6	25.20	Feb. 14	26.72	July 26	26.36
Oct. 20	26.76	Mar. 12	a16.28	Aug. 22	26.38
Jan. 5, 1954	Dry	Apr. 14	19.64	Aug. 27	26.34
Feb. 4	Dry	May 17	21.75	Oct. 4	26.46
Mar. 5	Dry	June 22	23.11	Nov. 27	26.48
Apr. 9	28.47	July 18	23.65	Jan. 24, 1957	26.62

a Ponded water nearby.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-64-9dddd3

Date	Water level	Date	Water level	Date	Water level
Sept.28, 1951	5.24	Feb. 4, 1954	(a)	June 22, 1955	(a)
Oct. 26	5.43	Apr. 9	15.68	July 18	(a)
Apr. 18, 1952	8.65	May 11	(a)	Aug. 15	(a)
June 11	9.96	June 10	(a)	Sept.14	(a)
Aug. 6	8.75	July 7	(a)	Oct. 19	(a)
Aug. 26	9.14	Aug. 3	(a)	Nov. 18	(a)
Sept. 4	9.33	Sept. 8	(a)	May 24, 1956	9.63
Oct. 20	12.59	Sept.30	(a)	June 19	10.93
Dec. 5	13.65	Nov. 9	(a)	June 21	11.01
Jan. 14, 1953	(a)	Dec. 15	(a)	July 26	14.61
May 22	(a)	Jan. 12, 1955	(a)	Aug. 22	13.77
July 1	(a)	Feb. 14	(a)	Aug. 27	13.93
Aug. 6	(a)	Mar. 12	(a)	Oct. 4	15.21
Oct. 20	(a)	Apr. 14	(a)	Nov. 27	(a)
Jan. 5, 1954	(a)	May 17	(a)		

a Dry to obstruction at 16 feet.

118-64-11bcccl

Sept.26, 1955	16.50	Apr. 13, 1956	17.01	July 26, 1956	15.52
Oct. 19	16.75	May 21	16.48	Aug. 27	14.37
Nov. 22	17.00	May 23	16.53	Oct. 4	14.18
Jan. 26, 1956	17.37	June 21	15.94	Nov. 27	14.86
Feb. 27	17.48	June 24	15.89	Jan. 23, 1957	15.53
Mar. 23	17.61				

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-64-12dddd1

Date	Water level	Date	Water level	Date	Water level
Sept.28, 1951	18.50	Jan. 4, 1954	14.59	July 18, 1955	15.22
Oct. 26	20.19	Mar. 5	14.54	Aug. 15	15.75
Apr. 18, 1952	18.89	Apr. 9	13.43	Sept.14	16.46
June 11	16.94	May 11	13.21	Oct. 19	16.94
Aug. 4	16.32	June 10	13.02	Nov. 18	17.12
Aug. 26	16.67	July 7	13.43	Mar. 23, 1956	18.96
Sept. 4	16.92	Aug. 3	14.30	May 21	17.43
Oct. 2	17.77	Sept. 8	15.32	May 24	17.64
Oct. 21	18.06	Sept.30	15.56	June 19	17.09
Dec. 5	18.15	Nov. 9	15.75	June 21	17.07
Jan. 14, 1953	18.34	Dec. 21	15.85	July 26	17.53
Feb. 24	11.99	Jan. 12, 1955	15.92	Aug. 22	17.33
Mar. 17	9.41	Feb. 14	16.18	Aug. 27	17.26
May 22	11.18	Mar. 12	16.18	Oct. 4	17.50
July 1	11.71	Apr. 14	15.78	Nov. 27	17.51
Aug. 6	10.89	May 17	15.78	Jan. 24, 1957	17.73
Oct. 20	12.15	June 22	15.27		

Table B .--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
118-64-12dddd2					
Sept.28, 1951	10.84	Jan. 5, 1954	10.39	June 22, 1955	12.12
Oct. 26	16.23	Mar. 3	11.93	July 18	12.13
Apr. 18, 1952	(a)	Apr. 9	8.30	Aug. 15	12.92
June 11	14.14	May 11	8.27	Sept.14	13.57
Aug. 4	11.71	June 10	7.83	Oct. 19	14.01
Aug. 26	12.11	July 7	9.23	Nov. 18	14.26
Sept. 4	12.33	Aug. 3	10.73	Mar. 23, 1956	14.25
Oct. 2	13.79	Sept. 8	11.94	May 21	6.28
Oct. 21	14.16	Sept.30	12.35	May 24	6.52
Dec. 5	14.45	Nov. 9	12.70	June 19	8.15
Jan. 14, 1953	14.81	Dec. 21	12.99	June 21	8.41
Feb. 24	13.76	Jan. 12, 1955	13.08	July 26	9.54
Mar. 17	7.76	Feb. 14	13.35	Aug. 22	10.32
May 22	8.62	Mar. 12	13.37	Aug. 27	10.51
July 1	8.13	Apr. 14	12.93	Oct. 4	11.18
Aug. 6	6.42	May 17	12.87	Nov. 27	11.83
Oct. 20	8.63				

a Dry to obstruction at 17.6 feet.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-64-13bbbb1

Date	Water level	Date	Water level	Date	Water level
Sept.28, 1951	28.00	Jan. 5, 1954	26.85	July 18, 1955	26.37
Oct. 26	28.25	Mar. 5	26.64	Aug. 15	26.48
Apr. 18, 1952	30.23	Apr. 9	26.07	Sept.14	26.52
June 11	29.62	May 11	26.24	Oct. 19	26.54
Aug. 4	29.58	June 10	25.74	Nov. 18	26.69
Aug. 19	29.40	July 7	26.01	Feb. 20, 1956	26.94
Aug. 26	29.42	Aug. 3	25.90	Mar. 23	27.11
Oct. 2	29.64	Sept. 8	26.23	May 21	26.65
Oct. 21	29.50	Sept.30	26.36	May 24	26.72
Dec. 5	29.20	Nov. 9	26.63	June 19	26.50
Jan. 14, 1953	29.18	Dec. 21	26.40	June 21	26.29
Feb. 24	29.34	Jan. 12, 1955	26.41	July 26	26.58
Mar. 17	28.67	Feb. 14	26.53	Aug. 22	26.62
Mar. 27	29.08	Mar. 12	a26.03	Aug. 27	26.46
May 22	28.34	Apr. 14	26.14	Oct. 4	27.01
July 1	27.68	May 17	26.37	Nov. 27	26.79
Aug. 6	27.61	June 22	26.38	Jan. 24, 1957	27.45
Oct. 20	28.25				

a Surrounded by ponded water.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-64-13bbbb2

Date	Water level	Date	Water level	Date	Water level
Sept.28, 1951	7.11	Mar. 5, 1954	10.74	July 18, 1955	10.26
Oct. 26	8.02	Apr. 9	10.69	Aug. 15	11.48
Apr. 18, 1952	(a)	May 11	10.39	Sept.14	12.74
June 11	(a)	June 10	10.07	Oct. 19	14.03
Aug. 4	9.75	July 7	10.82	Nov. 18	15.01
Aug. 19	10.50	Aug. 3	11.51	Mar. 23, 1956	10.19
Aug. 26	12.82	Sept. 8	12.53	May 21	11.03
Oct. 2	13.87	Sept.30	13.20	May 24	11.20
Oct. 21	14.50	Nov. 9	14.35	June 19	10.83
Jan. 14, 1953	14.13	Dec. 21	15.80	June 21	10.89
Feb. 24	(a)	Jan. 12, 1955	(a)	July 26	12.36
Mar. 17	(a)	Feb. 14	(a)	Aug. 22	10.32
Mar. 27	(a)	Mar. 12	b8.22	Aug. 27	10.71
May 22	(a)	Apr. 14	11.35	Oct. 4	12.52
July 1	(a)	May 17	12.70	Nov. 27	15.25
Aug. 6	13.77	June 22	10.77	Jan. 24, 1957	(a)
Oct. 20	(a)				

a Dry to obstruction at 16.2 feet.
b Surrounded by ponded water.

118-64-27adddl

Sept.26, 1955	16.08	Apr. 13, 1956	6.71	July 26, 1956	10.43
Oct. 19	16.39	May 21	10.35	Aug. 27	10.31
Nov. 22	16.74	May 22	10.59	Oct. 4	11.84
Jan. 26, 1956	17.63	June 21	9.59	Nov. 27	12.84
Feb. 27	17.89	June 24	9.49	Jan. 23, 1957	12.47
Mar. 23	16.32				

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
118-65-10cccc2					
Sept.28, 1951	11.65	Mar. 17, 1953	Dry	Sept. 8, 1954	15.88
Oct. 26	13.02	Mar. 27	Dry	Sept.30	16.23
Apr. 18, 1952	15.13	May 22	Dry	Nov. 9	16.79
June 11	15.26	Aug. 6	Dry	Dec. 15	17.25
Aug. 6	16.23	Oct. 20	Dry	Jan. 12, 1955	17.53
Aug. 26	16.64	Feb. 4, 1954	21.03	Feb. 14	17.91
Sept. 8	16.89	Mar. 5	20.00	Mar. 12	13.32
Oct. 2	17.47	Apr. 9	13.20	Aug. 15	16.01
Oct. 20	18.93	May 11	13.90	May 24, 1956	3.59
Dec. 5	19.74	June 10	14.44	June 19	5.49
Jan. 14, 1953	Dry	July 7	14.89	Aug. 22	14.33
Feb. 24	Dry	Aug. 3	15.33	Nov. 27	16.17

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

118-65-12cccc2

Date	Water level	Date	Water level	Date	Water level
Sept.28, 1951	9.98	May 22, 1953	2.65	Sept.30, 1954	7.23
Oct. 26	9.72	July 1	3.46	Nov. 9	6.74
Apr. 18, 1952	2.20	Aug. 6	1.92	Dec. 15	6.28
June 11	6.20	Oct. 20	4.00	Jan. 12, 1955	6.12
Aug. 6	7.70	Feb. 5, 1954	3.88	Feb. 14	6.52
Aug. 26	8.83	Mar. 5	3.26	Mar. 12	b.96
Sept. 8	9.71	Apr. 9	a2.21	Aug. 15	6.44
Oct. 2	10.87	May 11	a2.28	May 24, 1956	5.28
Oct. 20	10.87	June 10	a1.83	June 19	5.73
Dec. 5	10.74	July 7	a3.62	Aug. 22	9.64
Jan. 14, 1953	10.98	Aug. 3	5.76	Nov. 27	10.26
Mar. 27	3.04	Sept. 8	6.90		

a Ponded water nearby.
b Surrounded by ponded water.

119-61-2abbb1

July 29, 1955	10.96	Feb. 29, 1956	13.71	July 26, 1956	11.28
Aug. 30	12.35	Apr. 12	13.35	Aug. 28	11.54
Sept.28	12.80	May 21	12.65	Oct. 4	12.27
Oct. 28	13.09	May 22	12.61	Nov. 28	12.60
Nov. 30	13.38	June 21	12.49	Feb. 15, 1957	12.99
Jan. 20, 1956	13.42	June 24	12.10		

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

119-61-6aaad1

/All readings noon daily water level from recorder chart unless otherwise noted/

Date	Water level	Date	Water level	Date	Water level
May 6, 1955	a19.15	Sept.25, 1955	20.56	Apr. 25, 1956	20.90
May 10	20.17	Sept.30	20.64	Apr. 30	20.89
May 15	20.16	Oct. 5	a20.71	May 5	20.77
May 20	20.05	Oct. 10	20.79	May 10	20.69
May 25	19.96	Oct. 15	20.84	May 15	20.63
May 31	19.83	Oct. 20	20.85	May 20	20.61
June 5	19.76	Oct. 25	20.93	May 25	20.59
June 10	19.74	Oct. 31	20.98	May 31	20.47
June 15	19.74	Nov. 5	20.99	June 5	20.47
June 20	19.73	Nov. 10	21.01	June 10	20.48
June 25	19.74	Nov. 15	21.02	June 15	20.49
June 30	19.71	Nov. 20	21.03	June 20	20.44
July 5	19.73	Nov. 25	21.04	June 25	20.37
July 10	19.70	Nov. 30	21.06	June 30	20.43
July 15	19.70	Dec. 5	21.00	July 5	a20.53
July 20	19.70	Jan. 6, 1956	a21.00	Oct. 10	22.02
July 25	19.71	Jan. 10	a21.04	Oct. 15	22.03
July 31	19.80	Jan. 15	21.00	Oct. 20	22.07
Aug. 5	a19.86	Jan. 20	21.01	Oct. 25	22.10
Aug. 10	19.86	Jan. 25	20.99	Oct. 31	22.08
Aug. 15	19.92	Feb. 6	a20.98	Nov. 5	22.09
Aug. 20	20.01	Feb. 10	20.98	Nov. 10	22.07
Aug. 25	20.08	Mar. 6	a21.00	Nov. 15	22.07
Aug. 31	20.18	Apr. 6	a20.95	Dec. 6	a22.11
Sept. 5	20.28	Apr. 10	a20.95	Jan. 10, 1957	22.15
Sept.10	20.40	Apr. 15	20.92	Feb. 5	a22.12
Sept.15	20.47	Apr. 20	20.92	Feb. 10	22.11
Sept.20	20.53				

a Tape measurement.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

119-61-9abl

Date	Water level	Date	Water level	Date	Water level
Aug. 29, 1955	13.49	July 26, 1956	14.13	Aug. 28, 1956	14.72
May 22	13.63	Aug. 22	14.59	Oct. 4	15.38
June 21	13.40				

119-61-22bbbb1

July 26, 1956	6.66	Oct. 4, 1956	8.39	Feb. 18, 1957	8.98
Aug. 28	7.27	Nov. 27	8.59		

119-61-25cddc1

Oct. 27, 1955	10.08	July 26, 1956	9.17	Oct. 4, 1956	9.99
May 22, 1956	8.59	Aug. 28	9.52	Oct. 9	10.03
June 21	8.67				

119-61-25cddc2

Oct. 27, 1955	29.70	July 26, 1956	30.15	Oct. 4, 1956	30.20
May 22, 1956	30.14	Aug. 28	30.14	Oct. 9	30.26
June 21	30.09				

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
119-62-6baaa1					
June 23, 1955	16.90	Jan. 20, 1956	20.39	June 24, 1956	21.36
July 29	17.98	Feb. 29	20.71	July 26	21.41
Aug. 30	18.65	Apr. 12	21.10	Aug. 28	21.45
Sept.26	19.09	May 21	21.18	Oct. 4	21.44
Oct. 28	19.63	May 23	21.28	Nov. 28	21.44
Nov. 28	19.97	June 21	21.35	Jan. 15, 1957	21.48
119-62-10dddd1					
July 26, 1956	12.82	Oct. 4, 1956	13.43	Feb. 18, 1957	13.68
Aug. 28	12.90	Nov. 27	13.40		
119-62-13dddd2					
July 26, 1956	16.66	Aug. 28, 1956	17.81	Nov. 27, 1956	19.32
Aug. 14	17.50	Oct. 4	18.91	Feb. 18, 1957	19.75
119-62-29bbbb1					
May 21, 1956	13.19	Aug. 17, 1956	15.13	Nov. 28, 1956	16.34
June 21	13.72	Aug. 28	15.27	Feb. 15, 1957	16.75
July 26	14.79	Oct. 4	16.11		
119-63-4baaa1					
Aug. 27, 1956	24.70	Oct. 4, 1956	24.80	Feb. 15, 1957	25.18
Aug. 27	24.51	Nov. 28	24.87		

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

119-63-11bbbb1

Date	Water level	Date	Water level	Date	Water level
Aug. 28, 1956	19.72	Oct. 4, 1956	19.79	Feb. 15, 1957	20.25
Aug. 28	19.56	Nov. 28	20.08		

119-63-23cccd1

Aug. 28, 1956	20.71	Nov. 28, 1956	21.61	Feb. 15, 1957	21.78
Oct. 4	21.29				

119-64-3aaad1

Sept.26, 1955	21.75	Mar. 22, 1956	22.49	July 26, 1956	22.39
Oct. 19	21.92	Apr. 13	22.36	Aug. 27	22.57
Nov. 18	22.05	May 21	22.58	Oct. 4	22.76
Jan. 20, 1956	22.27	May 23	22.26	Nov. 28	22.94
Feb. 15	22.36	June 21	22.17	Jan. 23, 1957	23.02
Feb. 27	22.40	June 24	22.22		

119-64-12bb1

Aug. 4, 1949	26.65	July 26, 1956	21.06	Aug. 27, 1956	20.52
May 21, 1956	21.25	Aug. 22	21.44	Oct. 4	22.28
June 21	20.93				

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

119-64-27abbb1

/All readings noon daily water level from recorder chart unless otherwise noted/

Date	Water level	Date	Water level	Date	Water level
Sept.15, 1955	a27.09	Apr. 30, 1956	26.54	Sept.10, 1956	26.67
Sept.20	27.13	May 5	26.52	Sept.15	26.69
Sept.25	27.21	May 10	26.49	Sept.20	26.69
Sept.30	27.23	May 15	26.40	Sept.25	26.71
Oct. 5	a27.24	May 20	26.42	Sept.30	26.73
Nov. 5	26.30	May 25	26.45	Oct. 5	a26.74
Nov. 10	26.31	May 31	26.38	Oct. 10	26.79
Nov. 15	26.30	June 5	26.41	Oct. 15	26.77
Nov. 20	26.32	June 10	26.41	Oct. 20	26.78
Nov. 25	26.35	June 15	26.41	Oct. 25	26.80
Dec. 6	a26.34	June 20	26.41	Oct. 31	26.75
Jan. 6, 1956	a26.36	June 25	26.41	Nov. 5	26.72
Jan. 10	a26.40	June 30	26.43	Nov. 10	26.78
Jan. 15	26.43	July 5	a26.47	Nov. 15	26.74
Jan. 20	26.41	July 10	26.47	Nov. 20	26.76
Jan. 25	26.40	July 15	26.47	Nov. 25	26.78
Feb. 6	a26.40	July 20	26.48	Nov. 30	26.79
Mar. 6	a26.36	July 25	26.51	Dec. 5	26.77
Mar. 10	26.38	July 31	26.54	Dec. 10	26.84
Mar. 15	26.38	Aug. 5	26.54	Dec. 15	26.79
Mar. 20	26.45	Aug. 10	26.54	Dec. 20	26.81
Mar. 31	26.50	Aug. 15	26.55	Dec. 25	26.80
Apr. 5	26.46	Aug. 20	26.59	Dec. 31	26.83
Apr. 15	26.53	Aug. 25	26.60	Feb. 5, 1957	a26.86
Apr. 20	26.57	Aug. 31	26.57	Feb. 10	26.86
Apr. 25	26.57	Sept. 5	a26.63		

a Tape measurement.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-61-1adl

Date	Water level	Date	Water level	Date	Water level
Aug. 25, 1955	6.71	July 26, 1956	6.17	Aug. 28, 1956	5.81
May 22, 1956	7.18	Aug. 21	5.60	Oct. 4	6.61
June 21	6.31				

120-61-11cb1

Date	Water level	Date	Water level	Date	Water level
Aug. 25, 1955	18.89	July 26, 1956	17.75	Aug. 28, 1956	17.60
May 22, 1956	17.77	Aug. 21	17.52	Oct. 4	17.56
June 21	17.82				

120-61-18ddcc1

Date	Water level	Date	Water level	Date	Water level
July 26, 1956	17.18	Aug. 28, 1956	17.45	Oct. 4, 1956	17.56
Aug. 22	17.36				

120-61-28aaaa1

Date	Water level	Date	Water level	Date	Water level
July 26, 1956	6.66	Aug. 28, 1956	5.67	Nov. 28, 1956	9.10
Aug. 22	5.41	Oct. 4	8.12	Feb. 15, 1957	10.54

120-62-6aaab1

Date	Water level	Date	Water level	Date	Water level
June 23, 1955	25.16	Jan. 20, 1956	25.19	July 26, 1956	25.48
July 29	25.17	Feb. 29	25.26	Aug. 28	25.46
Aug. 30	25.22	Apr. 12	25.43	Oct. 4	25.45
Sept.28	25.12	May 23	25.48	Oct. 19	25.50
Oct. 28	25.19	June 21	25.45	Nov. 28	25.49
Nov. 28	25.22	June 24	25.50	Feb. 15, 1957	25.56

Table 8.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
120-62-17cccc1					
July 26, 1956	17.45	Aug. 28, 1956	17.51	Nov. 28, 1956	18.35
Aug. 23	17.57	Oct. 4	17.80	Feb. 15, 1957	18.71
120-62-23bbbc1					
July 26, 1956	17.74	Aug. 28, 1956	18.36	Nov. 28, 1956	19.52
Aug. 23	18.37	Nov. 4	19.19	Feb. 15, 1957	19.64

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-63-6bbbb1

Date	Water level	Date	Water level	Date	Water level
July 26, 1948	a18.2	May 22, 1950	20.66	Nov. 9, 1954	17.30
Aug. 26	a18.7	June 27	20.29	Jan. 17, 1955	17.74
Sept.28	a18.5	July 21	20.12	Feb. 14	17.87
Oct. 28	a18.8	Aug. 28	20.03	Mar. 11	17.99
Dec. 2	a19.7	Sept.23	20.20	Apr. 12	17.76
Jan. 6, 1949	a20.1	Oct. 25	20.31	May 16	17.62
Feb. 2	a20.2	Nov. 29	20.54	June 21	17.56
Mar. 1	a20.3	Dec. 22	20.61	July 13	17.57
Apr. 1	a20.2	Jan. 29, 1951	20.72	Aug. 10	17.63
May 1	a20.0	Feb. 21	20.85	Sept.14	17.83
June 1	a19.4	Mar. 30	20.95	Oct. 17	18.03
June 15	19.49	Apr. 26	20.85	Nov. 18	18.21
July 2	a19.60	May 18	20.71	Dec. 29	18.37
July 11	19.62	June 30	20.44	Jan. 31, 1956	18.55
July 30	19.82	July 28	20.28	Feb. 15	18.65
Aug. 1	a19.9	Aug. 24	20.25	Mar. 22	18.86
Aug. 30	20.00	Oct. 31	20.41	May 21	18.78
Sept. 1	a20.0	Aug. 2, 1952	17.95	May 24	18.78
Sept.19	20.19	Aug. 19	17.99	June 19	18.75
Oct. 3	a20.1	Sept. 4	19.29	June 21	18.74
Nov. 1	a20.3	Oct. 30	19.11	July 26	18.79
Dec. 1	a20.5	Dec. 12	19.11	Aug. 27	18.87
Dec. 28	20.59	Apr. 4, 1954	16.87	Aug. 29	18.89
Jan. 20, 1950	20.67	May 11	16.76	Oct. 4	19.05
Feb. 21	20.81	June 14	16.59	Nov. 28	19.26
Mar. 21	20.90	July 15	16.52	Jan. 23, 1957	19.41
Apr. 20	21.00	Oct. 12	17.10		

a Measurement by U. S. Bureau of Reclamation.

120-63-22abbb1

July 26, 1956	13.77	Aug. 27, 1956	13.65	Nov. 28, 1956	13.02
Aug. 24	13.70	Oct. 4	13.44	Feb. 15, 1957	13.90

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-63-28dddd1

Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1951	21.19	Dec. 3, 1952	19.47	Mar. 5, 1954	12.77
June 12, 1952	18.38	June 1, 1953	16.33	Apr. 1	13.74
Aug. 1	18.36	June 29	14.93	May 6	14.20
Aug. 14	18.39	Aug. 7	13.66	June 7	14.35
Aug. 22	18.61	Sept. 2	13.10	July 7	15.04
Sept.30	19.04	Oct. 28	14.04	July 28	15.88
Oct. 20	19.32	Dec. 2	14.23	Well destroyed	

120-63-28dddd2

Nov. 7, 1951	14.21	Dec. 3, 1952	16.39	Mar. 5, 1954	10.73
June 12, 1952	15.41	June 1, 1953	(a)	Apr. 1	11.80
Aug. 1	15.43	June 29	10.20	May 6	12.37
Aug. 14	15.43	Aug. 7	10.01	June 7	12.81
Aug. 22	16.26	Sept. 2	9.73	July 7	13.36
Sept.30	16.30	Oct. 28	10.05	July 28	13.56
Oct. 20	16.32	Dec. 2	10.16	Well destroyed	

a Dry to obstruction at 16.8 feet.

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
120-63-30cccc1					
Nov. 7, 1951	22.24	Jan. 5, 1954	20.55	July 12, 1955	20.07
Apr. 18, 1952	21.50	Feb. 4	20.46	Aug. 10	20.20
June 12	21.68	Mar. 5	20.42	Sept.14	20.39
Aug. 1	21.60	Apr. 1	20.25	Oct. 17	20.35
Aug. 14	21.65	May 6	20.05	Nov. 18	20.36
Aug. 22	22.04	June 7	19.96	Jan. 31, 1956	20.24
Sept.30	22.24	July 7	20.18	Feb. 15	20.22
Oct. 20	22.23	July 28	20.34	Mar. 22	20.28
Dec. 3	22.00	Sept. 8	20.40	May 21	17.35
Jan. 14, 1953	21.87	Oct. 12	20.31	May 24	17.38
Feb. 24	22.27	Nov. 9	20.25	June 19	18.12
Mar. 18	21.51	Dec. 20	20.11	June 21	18.13
June 1	21.19	Jan. 10, 1955	19.97	July 26	18.30
June 29	20.95	Feb. 9	20.05	Aug. 23	18.50
Aug. 7	20.93	Mar. 11	a19.92	Aug. 27	18.51
Sept. 2	20.90	Apr. 12	19.95	Oct. 4	18.66
Oct. 28	21.40	May 16	20.07	Nov. 28	18.53
Dec. 2	21.52	June 21	19.99	Jan. 23, 1957	18.54

a Surrounded by ponded water.

Table 8.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-63-30cccc2

Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1951	7.26	Feb. 4, 1954	14.00	Sept.14, 1955	16.37
Apr. 18, 1952	12.05	Mar. 5	13.97	Oct. 17	16.58
June 12	12.32	Apr. 1	13.85	Nov. 18	17.12
Aug. 1	12.84	May 6	13.64	Jan. 31, 1956	17.01
Aug. 14	12.94	June 7	12.88	Feb. 15	17.07
Aug. 22	13.69	July 7	12.87	Mar. 22	17.25
Sept.30	(a)	July 28	13.04	May 21	16.67
Oct. 20	(a)	Sept. 8	13.54	May 24	16.72
Dec. 3	(a)	Jan. 10, 1955	12.09	June 19	13.19
Jan. 1, 1953	(a)	Feb. 9	13.12	June 21	17.19
June 1	14.27	Mar. 11	b16.98	July 26	17.48
June 29	14.04	Apr. 12	16.57	Aug. 23	17.77
Aug. 7	13.66	May 16	16.37	Aug. 27	17.80
Sept. 2	13.28	June 21	16.10	Oct. 4	18.07
Oct. 28	13.33	July 12	16.09	Nov. 28	18.02
Dec. 2	13.44	Aug. 10	16.12	Jan. 23, 1957	18.12
Jan. 5, 1954	13.82				

a No measurement; obstructed at 14.0 feet.
b Surrounded by ponded water.

120-63-30cdddl

Oct. 17, 1955	28.72	May 21, 1956	28.81	Aug. 27, 1956	28.55
Nov. 18	28.74	May 23	28.87	Oct. 4	28.63
Jan. 26, 1956	28.78	June 19	28.70	Nov. 29	28.59
Mar. 22	28.92	June 21	28.66	Jan. 23, 1957	28.73
Apr. 13	28.88				

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-63-31ccdd1

Date	Water level	Date	Water level	Date	Water level
July 26, 1948	a18.8	Sept.19, 1949	21.48	Apr. 26, 1951	21.82
Sept.28	a20.1	Oct. 3	a21.4	May 18	21.78
Oct. 28	a20.2	Nov. 1	a21.5	June 30	21.69
Dec. 2	a20.5	Dec. 1	21.80	July 28	21.51
Jan. 6, 1949	a20.8	Dec. 28	21.80	Aug. 24	21.29
Feb. 2	a20.8	Apr. 20, 1950	22.30	Oct. 31	21.12
Mar. 1	a20.8	May 22	22.25	Aug. 2, 1952	18.58
Apr. 1	a21.3	June 27	21.86	Aug. 19	18.56
May 1	a21.3	July 21	21.52	Sept. 2	18.58
June 1	a20.8	Aug. 25	21.50	Oct. 30	18.99
June 15	20.42	Sept.23	21.41	Dec. 12	19.31
July 1	a21.3	Oct. 25	21.28	Apr. 13, 1954	18.84
July 2	20.28	Nov. 29	21.35	May 11	18.80
July 11	21.36	Dec. 22	21.35	June 14	18.59
July 30	21.36	Jan. 29, 1951	21.47	July 15	18.38
Aug. 1	a21.3	Feb. 21	21.55	Well destroyed	
Sept. 1	a21.4	Mar. 30	21.72		

a Measurement by U. S. Bureau of Reclamation.

120-64-3baab1

July 29, 1955	14.90	Feb. 27, 1956	19.89	Aug. 27, 1956	20.37
Aug. 10	16.03	Mar. 22	20.09	Oct. 4	20.87
Sept.14	18.37	May 23	19.87	Oct. 19	20.92
Oct. 17	18.96	June 19	19.67	Nov. 28	20.98
Nov. 18	19.24	June 21	19.64	Jan. 23, 1957	21.02
Jan. 20, 1956	19.64	July 26	19.94		

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
120-64-16dddd1					
July 26, 1948	a21.5	May 22, 1950	Dry	Sept. 8, 1954	18.18
Aug. 26	a22.7	June 26	23.87	Oct. 12	18.70
Sept.28	a22.8	July 21	23.08	Nov. 9	18.91
Oct. 28	a23.3	Aug. 28	22.56	Dec. 20	19.06
Dec. 2	a23.5	Sept.21	22.47	Jan. 17, 1955	19.15
Jan. 6, 1949	a24.0	Oct. 25	22.35	Feb. 14	19.28
Feb. 2	a24.0	Nov. 29	22.47	Mar. 11	18.83
Mar. 1	a23.3	Dec. 22	22.50	Apr. 12	15.58
Apr. 1	a24.0	Jan. 29, 1951	22.81	May 16	15.75
May 1	a23.6	Feb. 22	23.05	June 21	15.55
June 1	a23.5	Mar. 30	23.42	July 12	16.10
June 15	23.60	Apr. 28	22.99	Aug. 10	17.89
July 1	23.50	May 18	22.48	Sept.14	19.38
July 2	a23.4	June 30	21.70	Oct. 17	19.91
July 11	23.28	July 28	21.42	Nov. 18	20.08
July 30	23.29	Aug. 24	21.48	Jan. 31, 1956	20.31
Aug. 1	a23.5	Oct. 31	21.99	Mar. 22	19.80
Aug. 30	23.75	Aug. 2, 1952	19.22	May 21	14.09
Sept. 1	a23.8	Aug. 19	19.63	May 24	14.15
Sept.19	24.07	Sept. 4	20.18	June 19	14.94
Oct. 3	a24.1	Sept.26	20.70	June 21	15.04
Nov. 1	a24.3	Oct. 30	21.21	July 26	16.79
Dec. 1	a24.5	Dec. 12	21.48	Aug. 27	17.89
Dec. 28	24.38	Apr. 13, 1954	13.60	Aug. 29	17.95
Jan. 20, 1950	24.58	May 11	13.39	Oct. 4	18.85
Feb. 21	24.70	June 14	13.12	Nov. 28	19.16
Mar. 21	Dry	July 15	14.19	Jan. 23, 1957	18.50
Apr. 20	Dry				

a Measurement by U. S. Bureau of Reclamation.

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
120-64-24aaad1					
July 26, 1948	a21.5	July 21, 1950	22.73	Oct. 12, 1954	20.53
Aug. 26	a23.0	Aug. 28	22.40	Nov. 9	20.60
Sept.28	a22.5	Sept.22	22.41	Dec. 20	20.59
Oct. 28	a22.6	Oct. 25	22.54	Jan. 17, 1955	20.64
Dec. 2	a22.6	Nov. 29	22.67	Feb. 14	20.70
Jan. 6, 1949	a22.6	Dec. 22	22.69	Mar. 11	20.73
Feb. 2	a(b)	Jan. 29, 1951	22.70	Apr. 12	20.74
Mar. 1	a(b)	Feb. 21	22.75	May 16	20.71
Apr. 1	a(b)	Mar. 30	(b)	June 21	20.67
May 1	a(b)	Apr. 26	(b)	July 13	20.66
June 15	22.73	May 18	(b)	Aug. 10	20.65
July 1	(b)	June 30	22.68	Sept.14	20.71
July 2	a22.72	July 28	(b)	Oct. 17	20.79
July 11	22.70	Aug. 24	(b)	Nov. 18	20.78
July 30	(b)	Oct. 31	(b)	Mar. 22, 1956	21.18
Aug. 1	a(b)	Aug. 2, 1952	22.39	May 21	20.45
Aug. 30	(b)	Aug. 19	22.36	May 24	20.51
Sept. 1	a(b)	Sept. 4	22.37	June 19	20.63
Sept.19	(b)	Oct. 30	22.46	June 21	20.62
Oct. 1	a(b)	Dec. 12	22.54	July 26	20.97
Nov. 1	a(b)	Apr. 13, 1954	20.95	Aug. 27	21.10
Dec. 1	a(b)	May 11	20.91	Aug. 29	21.20
Mar. 21, 1950	(b)	June 14	20.83	Oct. 4	21.46
Apr. 20	(b)	July 15	20.67	Nov. 28	21.69
May 22	(b)	Sept. 8	20.54	Jan. 23, 1957	21.73
June 27	(b)				

a Measurement by U. S.Bureau of Reclamation.
b Dry to obstruction at 22.8 feet.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-64-27cccc1

Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1951	29.54	Oct. 28, 1953	27.65	Apr. 12, 1955	24.64
June 12, 1952	29.36	Dec. 2	27.76	May 16	24.50
Aug. 1	29.19	Feb. 4, 1954	26.55	June 21	24.42
Aug. 14	29.13	Mar. 5	26.37	July 12	24.34
Aug. 22	29.15	Apr. 1	26.07	Aug. 10	24.35
Sept.26	29.18	May 6	25.75	Sept.14	24.34
Oct. 20	29.18	June 7	25.49	Oct. 17	24.32
Nov. 24	28.97	July 7	25.43	Nov. 18	24.37
Dec. 3	28.92	July 28	25.33	Jan. 31, 1956	24.58
Jan. 14, 1953	28.78	Sept. 8	25.25	Feb. 15	24.60
Feb. 24	28.53	Oct. 12	25.02	Mar. 22	24.80
Mar. 18	28.51	Nov. 9	25.06	May 24	24.72
June 1	28.08	Dec. 20	24.92	June 19	24.76
June 29	27.93	Jan. 10, 1955	24.85	Aug. 23	24.86
Aug. 7	27.81	Feb. 9	25.04	Nov. 28	25.03
Sept. 2	27.60	Mar. 11	24.97	Jan. 23, 1957	25.25

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
120-64-27cccc2					
Nov. 7, 1951	(a)	Sept. 2, 1953	(a)	Mar. 11, 1955	16.72
Apr. 18, 1952	(a)	Oct. 28	(a)	Apr. 12	16.73
June 12	(a)	Dec. 2	(a)	May 16	17.12
Aug. 1	(a)	Mar. 5, 1954	16.72	June 21	17.44
Aug. 14	(a)	Apr. 1	16.66	July 12	17.54
Aug. 22	(a)	May 6	15.78	Aug. 10	17.74
Sept.26	(a)	June 7	17.07	Sept.14	17.97
Oct. 20	(a)	July 7	17.28	Oct. 17	(a)
Dec. 3	(a)	July 28	17.43	Nov. 18	17.59
Jan. 14, 1953	(a)	Sept. 8	17.60	Mar. 22, 1956	17.46
Feb. 24	(a)	Oct. 12	17.79	May 23	(a)
Mar. 18	17.47	Nov. 9	17.55	June 19	(a)
June 1	(a)	Dec. 20	17.06	Aug. 23	(a)
June 29	(a)	Jan. 10, 1955	16.70	Nov. 28	(a)
Aug. 7	(a)				

a Dry to obstruction at 18 feet.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-64-30cccc1

Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1951	11.23	Oct. 28, 1953	4.30	May 16, 1955	5.98
Apr. 18, 1952	6.88	Dec. 2	5.40	June 21	5.85
June 12	7.01	Jan. 5, 1954	5.64	July 12	6.37
Aug. 1	7.71	Feb. 4	a4.74	Aug. 10	7.23
Aug. 15	8.13	Mar. 5	4.99	Sept.14	7.90
Aug. 22	8.30	Apr. 1	4.65	Oct. 17	8.19
Sept.26	8.81	May 6	4.09	Nov. 18	8.34
Oct. 20	9.21	June 7	a3.88	Dec. 29	8.32
Nov. 25	9.23	July 7	4.21	Jan. 31, 1956	8.52
Jan. 14, 1953	9.74	July 28	5.17	Feb. 15	8.70
Feb. 23	9.81	Sept. 8	6.19	Mar. 22	8.52
Mar. 12	9.32	Oct. 12	6.40	May 24	6.44
Mar. 26	8.20	Nov. 9	6.60	June 29	6.50
June 1	5.70	Dec. 20	6.65	Aug. 23	7.26
June 29	3.75	Jan. 10, 1955	6.65	Nov. 28	8.65
Aug. 7	3.72	Feb. 9	6.98	Jan. 23, 1957	8.80
Sept. 2	3.68	Apr. 12	5.90		

a Ponded water nearby.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-64-30cccc2

Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1951	11.24	Sept. 2, 1953	3.78	May 16, 1955	6.08
Apr. 18, 1952	6.94	Oct. 28	4.20	June 21	5.89
June 12	7.12	Feb. 4, 1954	a5.38	July 12	6.40
Aug. 1	7.77	Mar. 3	5.01	Aug. 10	7.24
Aug. 15	8.19	Apr. 1	4.70	Sept.14	7.93
Aug. 22	8.31	May 6	4.19	Oct. 17	8.15
Sept.26	9.61	June 7	a3.96	Nov. 18	8.25
Oct. 20	9.28	July 7	4.25	Dec. 29	8.65
Nov. 25	9.33	July 28	5.34	Jan. 31, 1956	8.78
Jan. 14, 1953	9.84	Sept. 8	(b)	Feb. 15	8.77
Feb. 23	9.97	Oct. 12	6.50	Mar. 22	8.07
Mar. 12	9.53	Nov. 9	6.60	May 24	6.60
Mar. 26	8.50	Dec. 20	6.71	June 19	6.67
June 1	5.26	Jan. 10, 1955	6.70	Aug. 23	7.40
June 29	3.93	Feb. 9	7.08	Nov. 28	8.75
Aug. 7	3.81	Apr. 12	5.95	Jan. 23, 1957	8.97

a Ponded water nearby.
b Dry to obstruction at 6.2 feet.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-65-26bbbb1

Date	Water level	Date	Water level	Date	Water level
July 26, 1948	a26.7	Mar. 21, 1950	(b)	Feb. 22, 1951	(b)
Aug. 26	a26.8	Apr. 20	(b)	Mar. 30	(b)
Sept.28	a26.5	May 22	(b)	Apr. 28	(b)
Oct. 28	a26.5	June 26	(b)	May 18	(b)
Dec. 2	a26.5	July 21	(b)	July 28	(b)
Jan. 6, 1949	a26.9	Aug. 28	(b)	Aug. 24	(b)
June 15	(b)	Sept.23	(b)	Oct. 31	(b)
July 2	(b)	Oct. 24	(b)	Apr. 14, 1954	(b)
July 11	(b)	Nov. 29	(b)	May 11	(b)
July 30	(b)	Dec. 22	(b)	June 14	(b)
Aug. 30	(b)	Jan. 29, 1951	(b)	Well destroyed	
Sept.19	(b)				

a Measurement by U. S. Bureau of Reclamation.
b No measurement; obstructed at 9.9 feet.

Table B.--Water levels in observation wells--Continued

SPINK COUNTY--Continued

120-65-26cccc1

Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1951	22.54	Sept. 2, 1953	20.93	Apr. 12, 1955	20.83
Feb. 12, 1952	22.61	Oct. 28	21.65	May 16	20.96
Apr. 18	22.20	Jan. 5, 1954	20.82	June 21	21.02
June 12	21.92	Feb. 4	20.81	July 12	21.08
Aug. 1	21.94	Mar. 4	20.85	Aug. 10	21.14
Aug. 15	21.94	Apr. 1	20.82	Sept.14	21.17
Aug. 22	21.94	May 6	20.75	Oct. 17	21.22
Sept.26	21.94	June 7	20.69	Nov. 18	21.25
Oct. 20	21.98	July 7	20.60	Dec. 29	21.33
Nov. 25	21.99	July 28	20.58	Jan. 31, 1956	21.40
Jan. 14, 1953	22.09	Sept. 8	20.67	Feb. 15	21.40
Feb. 23	22.28	Oct. 12	20.75	Mar. 22	21.48
Mar. 12	22.24	Nov. 9	20.70	May 24	21.02
Mar. 26	22.21	Dec. 20	20.70	June 19	21.52
June 1	22.02	Jan. 10, 1955	20.61	Aug. 23	21.45
June 29	21.77	Feb. 9	20.86	Nov. 28	21.63
Aug. 7	21.30	Mar. 11	20.80	Jan. 23, 1957	21.69

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
120-65-29cccc1					
Nov. 7, 1951	9.96	Oct. 20, 1952	8.88	June 29, 1953	a7.20
Feb. 12, 1952	9.80	Nov. 25	8.93	Dec. 2	a7.17
June 12	7.97	Jan. 14, 1953	9.08	Jan. 5, 1954	7.19
Aug. 1	7.92	Feb. 23	9.52	July 28	b6.92
Aug. 15	8.36	Mar. 12	9.36	Sept. 8	7.10
Aug. 22	9.08	June 1	a8.30	Well destroyed	
Sept.26	8.90				

a Surrounded by ponded water.
b Inundated February to July 1954.

Table B.--Water levels in observation wells--Continued

Date	Water level	Date	Water level	Date	Water level
SPINK COUNTY--Continued					
120-65-36dddd1					
July 26, 1948	a4.2	Nov. 1, 1949	a9.6	June 30, 1951	6.08
Aug. 26	a5.6	Dec. 1	a9.4	July 28	6.67
Sept.28	a6.4	Dec. 28	10.21	Aug. 24	7.16
Oct. 28	a7.8	Jan. 20, 1950	10.29	Oct. 31	8.18
Dec. 2	a7.2	Feb. 21	10.50	Apr. 18, 1952	1.65
Jan. 6, 1949	a7.8	Mar. 21	10.36	June 12	4.78
Feb. 2	a7.7	Apr. 19	9.40	Aug. 4	6.14
Mar. 1	a6.7	May 22	6.00	Aug. 15	6.61
Apr. 1	a8.1	June 27	6.41	Aug. 22	7.12
May 1	a8.3	July 21	6.86	Sept.26	8.39
June 1	a8.3	Aug. 25	7.59	Oct. 30	9.35
June 15	7.80	Sept.22	8.25	Dec. 4	9.78
July 1	a8.0	Oct. 25	8.62	Dec. 2, 1953	5.80
July 2	7.62	Nov. 29	8.75	Jan. 5, 1954	5.92
July 11	7.44	Dec. 22	9.04	Apr. 1	3.89
July 30	7.33	Jan. 29, 1951	9.42	Apr. 13	3.94
Aug. 1	a7.4	Feb. 22	9.57	May 6	3.71
Aug. 30	8.98	Mar. 30	9.46	June 7	3.82
Sept. 1	a9.0	Apr. 28	7.92	July 15	4.22
Sept.19	9.50	May 18	7.22	Well destroyed	
Oct. 3	a9.6				

a Measurement by U. S. Bureau of Reclamation.

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Table C.--Logs of wells and test holes

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY		
Well 121-60-6babal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,303.0 feet. Cased to depth of 45.1 feet.		
Recent and Pleistocene deposits:		
Soil	0.5	0.5
Clay, silty, calcareous, medium grayish-brown, partly laminated. Lake and wind deposit	2.5	3
Silt, slightly clayey, calcareous, light yellowish-brown, varved. Lake deposit	16.5	19.5
Clay, silty and pebbly, calcareous, medium-gray; oxidized to 20 feet. Till	4.5	24
Sand, clayey and silty, calcareous, medium-gray, obscurely bedded. Glacial outwash	5.5	29.5
Clay, silty, sandy, and gravelly, calcareous, dark bluish-gray, massive. Till	15.5	45
Cretaceous--Pierre shale:		
Shale, slightly calcareous, very dark-gray	5	50
Well 121-60-28aal. Mrs. I. Haywood. Estimated land-surface altitude, 1,358 feet.		
Recent and Pleistocene deposits:		
Clay	16	16
Sand	3	19
Clay	12	31
Gravel, coarse	.7	31.7
Well 121-61-4bbl. Drilled by F. Schultz for G. Stange. Estimated land-surface altitude, 1,295 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	548	548
Greenhorn limestone ("cap rock") and older Cretaceous rocks	492	1,040

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 121-61-5bbaa1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,298.7 feet. Cased to depth of 40.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, calcareous, brownish-gray, laminated. Lake deposit	4	6
Silt, clayey, calcareous, light-gray, varved; oxidized to 25 feet and from 33 to 34.5 feet. Lake deposit	29	35
Clay, silty and very sandy, calcareous, medium-gray, laminated. Lake deposit and glacial outwash	7	42
Clay, silty, sandy, and gravelly, calcareous, dark bluish-gray, massive. Till	1	43
Cretaceous--Pierre shale:		
Shale, bentonitic, nearly black	12	55
Well 121-61-7bb1. Drilled by F. Schultz for C. Schley. Estimated land-surface altitude, 1,298 feet.		
Recent and Pleistocene deposits:		
(?)	50	50
Sand	50	100
(?)	26	126
Sand	1	127
Pleistocene(?) deposits and Cretaceous rocks:		
(?)	412	539
Greenhorn limestone ("cap rock") and older Cretaceous rocks	676	1,215

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 121-61-13bbbb1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,292.4 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey	2	4
Clay, silty	2	6
Silt; iron concretions at 9 feet	3	9
Clay, silty, slightly sandy	6	15
Clay, blue, unoxidized	3	18
Silt	2	20
Clay, blue	1	21
Well 121-61-16bbba1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,301.7 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty	2	4
Silt; contains small amount of fine sand	8	12
Silt, sandy and clayey	10	22
Clay, blue	2	24
Well 121-61-31ddcc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,297.9 feet. Cased to depth of 41.3 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, sandy and slightly clayey, medium to light-brown; very sandy from 5 to 8 feet. Lake deposit	6	8
Silt, clayey, calcareous, mottled light-brown and gray, varved; very sandy from 10 to 11 feet. Lake deposit	12.4	20.4
Clay, silty, highly calcareous, mottled dark- and light-gray, varved. Lake deposit	15.6	36
Clay, silty, sandy, and gravelly, calcareous, bluish-gray, massive. Till	9	45
Cretaceous--Pierre shale:		
Clay, bentonitic, very dark-gray; shaly cleavage	5	50

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 121-61-32dd1. Drilled by A. Larson for E. King. Estimated land-surface altitude, 1,295 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported "hard shells" at 338 feet and at 368 feet.)	554	554
Greenhorn limestone ("cap rock")	13	567
(?) (Dakota sandstone yields 4 gpm from 918 feet. Sand from 924 to 930 feet, from 934 to 935 feet, from 950 to 966 feet, and from 972 to 983 feet.)	416	983
Well 121-61-35dcccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,302.0 feet. Cased to depth of 40.5 feet.		
Recent and Pleistocene deposits:		
Soil	2.5	2.5
Clay, silty, calcareous, medium-brown, varved. Lake deposit	2.5	5
Silt, slightly clayey, calcareous, medium yellowish-brown, varved. Lake deposit	15	20
Clay, silty, calcareous, light- to dark-gray, unoxidized, varved; sandy at 34 feet and gravelly from 36 to 38 feet. Lake deposit	32	52
Clay, silty, sandy, calcareous, medium-gray, thinly laminated; contains very coarse sand from 63 to 64 feet. Lake deposit	12	64
Cretaceous--Pierre shale:		
Clay, bentonitic, very dark-gray to black; shaly cleavage	5	69
Well 121-62-2aa1. Drilled by F. Schultz for A. Schley. Estimated land-surface altitude, 1,301 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	510	510
Greenhorn limestone ("cap rock") and older Cretaceous rocks	666	1,176

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 121-62-3abbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,300.7 feet. Cased to depth of 37.9 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt, clayey, calcareous, light yellowish-brown; varved below 4 feet. Lake deposit	4	5
Silt, calcareous, varved; very clayey to 10 feet, unoxidized below 23 feet. Lake deposit	43	48
Silt, clayey, very calcareous, light-gray, varved. Lake deposit	12	60
Clay, silty, calcareous, medium-gray. Lake deposit	20.5	80.5
Clay, sandy, silty, and gravelly, calcareous, medium-gray; contains shale from 92 to 94 feet; no samples from 85 to 90 feet or from 95 to 105 feet. Glacial outwash	25.5	106
Clay, very sandy, silty, and gravelly, calcareous, dark bluish-gray, poorly sorted. Till	91	197
Cretaceous--Pierre shale:		
Clay, noncalcareous, nearly black, shaly cleavage	3	200
Well 121-62-17ddddl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,299.1 feet. Cased to depth of 38.0 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, silty, yellow	8	11
Silt, clayey; contains sand and iron concretions	2	13
Silt, yellow	14	27
Sand, very fine, "quicksand"	3	30
Silt, blue, slightly clayey, unoxidized	12	42
Well 121-62-24adl. Drilled by F. Schultz for E. Samuelson. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	534	534
Greenhorn limestone ("cap rock") and older Cretaceous rocks	643	1,177
Precambrian:		
Granite(?)	...	.....

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 121-62-35ccccl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,299.3 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, silty, yellow	5	8
Silt; contains iron concretions to 10 feet	12	20
Clay, silty, blue	5	25
Clay, blue	8	33
Well 121-63-1abcl. Drilled by F. Schultz for O. Ellingson. Estimated land-surface altitude, 1,297 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	538	538
Greenhorn limestone ("cap rock") and older Cretaceous rocks	609	1,147
Precambrian(?):		
"Hard rock"	2	1,149
Well 121-63-18dccl. Drilled by F. Schultz for A. Rehfield. Estimated land-surface altitude, 1,298 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	508	508
Greenhorn limestone ("cap rock") and Graneros shale	352	860
Dakota sandstone	55	915
Well 121-63-23bbal. Jetted by U. S. Geological Survey. Land-surface altitude, 1,300.1 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, silty, yellow, oxidized	6	9
Silt, yellow; contains iron concretions and gray silty clay from 9 to 14 feet	17	26
Silt, clayey, blue, unoxidized	9	35
Clay, blue	1	36

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 121-63-33aaaal. Jetted by U. S. Geological Survey. Land-surface altitude, 1,303.2 feet. Cased to depth of 36.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, yellow, oxidized	4	6
Silt, clayey, yellow	2	8
Silt, yellow; contains iron concretions	10	18
Silt, blue to bluish-brown, unoxidized	4	22
Silt, clayey, blue	10	32
Clay, blue	6	38
Cretaceous--Pierre shale:		
Shale	1	39
Well 121-64-3baaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,292.9 feet. Cased to depth of 35.9 feet.		
Recent and Pleistocene deposits:		
Soil	0.5	0.5
Clay, silty, calcareous. Lake deposit	2.5	3
Silt, slightly clayey, calcareous, varved. Lake deposit	12	15
Silt, clayey, very calcareous, unoxidized, varved. Lake deposit	5	20
Clay, silty, calcareous, varved. Lake deposit	4	24
Sand, silty, calcareous, thinly bedded. Lake deposit	1	25
Silt, clayey, very calcareous, varved. Lake deposit	5	30
Clay, silty, sandy, and gravelly, calcareous, massive; very sandy from 45 to 55 feet. Till	30.5	60.5
Clay, silty, very calcareous. Lake deposit	4.5	65
Clay, silty, sandy, and gravelly, calcareous, massive; very sandy from 76 to 79 feet and from 93 to 95 feet. Till	30	95
Cretaceous--Pierre shale:		
Shale	10	105

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 121-64-3baabl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.2 feet.		
Recent and Pleistocene deposits:		
Silt, very little clay, oxidized, water-laid.....	12.5	12.5
Clay, unoxidized, water-laid.....	1.5	14
Clay, oxidized, water-laid.....	1	15
(?).....	5	20
Clay, water-laid; oxidized from 20 to 20.5 feet, sandy from 22.5 to 23 feet.....	3	23
Clay, unoxidized; contains sand grains. Till.....	1	24
Clay and silt, water-laid.....	4	28
Silt, clayey. Till.....	9	37
Silt and clay, water-laid.....	1	38
Clay (probably fragmented shale); contains pebbles and sand.....	2	40
Cretaceous--Pierre shale:		
Shale, black.....	5	45
Well 121-64-32dc3. Drilled by F. Schultz for City of Mansfield. Estimated land-surface altitude, 1,285 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	535	535
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	610	1,145

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 121-65-1aaaa1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,336.7 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, sandy and clayey; gravelly from 18 to 19 feet. Till	18	20
(?)	3	23
Sand, fine, water-laid	4	27
(?)	10	37
Sand, fine, partly oxidized	13	50
Sand, fine, and silt, unoxidized, water-laid	.5	50.5
Silt and clay, water-laid	1.5	52
Silt, clayey; water-laid silt from 55.5 to 56 feet. Till	21	73
Sand, fine, and silt, water-laid	7	80
Silt, clayey, sandy. Till	2	82
Sand, fine, and silt, varved	3	85
(?)	8	93
Sand, fine to medium-grained, slightly silty; siltier from 113 to 122 feet	29	122
Sand, fine to medium-grained, carbonaceous, slightly silty, water-laid	1	123
Sand, fine, and silt	47	170
Clay, bedded; contains some silt	16	186
Sand, fine; contains some silt	65	251
Sand, very fine, and silt	5	256

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-61-ladddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,290.7 feet. Cased to depth of 42.4 feet.		
Recent and Pleistocene deposits:		
Soil	1.5	1.5
Clay, silty, calcareous, medium grayish-brown, laminated. Lake deposit	6.5	8
Silt, clayey, carbonaceous, slightly calcareous, dark-brown, partly laminated. Lake deposit	4	12
Silt, slightly clayey, calcareous, medium grayish-brown, laminated. Lake deposit	8	20
Sand, silty and slightly clayey, calcareous, medium-gray, thinly bedded; contains medium-grained clean sand from 29 to 29.5 feet. Lake deposit	9.5	29.5
Clay, silty, calcareous, mottled light- and medium-gray. Lake deposit	19.5	49
Sand, gravelly, silty, light-gray, bedded. Glacial outwash	6	55
Clay, silty, calcareous, mottled light- and dark-gray, partly laminated. Lake deposit	17	72
Cretaceous--Pierre shale:		
Shale, noncalcareous, nearly black; contains a few limy streaks along joints	5	77
Well 122-61-27cdddl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,288.1 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt; contains iron concretions	8	10
Clay, silty	4	14
Clay, blue	10	24

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-62-8babb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,300.2 feet. Cased to depth of 40.4 feet.		
Recent and Pleistocene deposits:		
Soil	2.5	2.5
Clay, silty, light-tan, oxidized, laminated. Lake deposit	2.5	5
Clay, silty, light-tan and medium yellowish-brown, laminated. Lake deposit	5	10
Sand, very fine, silty, and sandy silt, slightly clayey, laminated; unoxidized and light bluish-gray below 26 feet. Lake deposit	30	40
Clay and silt, finely laminated, light to medium-gray; oxidized yellow-tinted layers between 70 and 74 feet. Lake deposit	43	83
Sand, poorly sorted, medium-gray, water-laid	5	88
Sand, very fine, silty, light-gray, water-laid	2	90
Cretaceous--Pierre shale:		
Clay, slightly silty, light-gray, bedded	5	95
Well 122-62-15cb1. Drilled by F. Schultz for W. Reber. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	538	538
Greenhorn limestone ("cap rock") and older Cretaceous rocks	686	1,224
Well 122-62-22aa1. Drilled by F. Schultz for L. Larson. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	109	109
Sand	36	145
(?)	403	548
Greenhorn limestone ("cap rock") and older Cretaceous rocks	534	1,082

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-62-22abbal. Jetted by U. S. Geological Survey. Land-surface altitude, 1,300.8 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty; contains iron concretions below 9 feet	8	10
Silt	14	24
Silt, blue; clayey at top	28	52
Well 122-62-25cl. Drilled by F. Schultz for W. Stange. Estimated land-surface altitude, 1,298 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	528	528
Greenhorn limestone ("cap rock") and older Cretaceous rocks	552	1,080
Well 122-62-31ccccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.0 feet.		
Recent and Pleistocene deposits:		
Soil	0.5	0.5
Silt, clayey, water-laid	12.5	13
Clay, silty	7	20
Silt and very little clay, oxidized, water-laid	5	25
Silt, clayey, unoxidized, water-laid; more clayey below 44 feet	40	65
Clay, partly water-laid. Till	5	70
Clay, water-laid	4.5	74.5
Clay, silty; partly crumpled shale. Till	3	77.5
Cretaceous--Pierre shale:		
Shale, light- to dark-gray	4.5	82

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-62-34abl. Drilled by F. Schultz for A. Hoeft. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported scattered sands from 26 to 124 feet.)	530	530
Greenhorn limestone ("cap rock") and older Cretaceous rocks	630	1,160
Well 122-63-19cl. Drilled by F. Schultz for F. Weinreis. Estimated land-surface altitude, 1,295 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	518	518
Greenhorn limestone ("cap rock") and older Cretaceous rocks	552	1,070
Well 122-63-33ccccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,290.5 feet.		
Recent and Pleistocene deposits:		
Soil	1.5	1.5
Silt and clay, water-laid	18.5	20
Clay, silty, unoxidized, water-laid	28	48
Silt, sandy and clayey; possibly water-laid in part. Till	7	55
Cretaceous--Pierre shale:		
Shale, black	5	60

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-63-33daaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,296.8 feet. Cased to depth of 38.9 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, grayish-white, massive	1	4
Silt, fine, clayey, yellow and mottled. Loess	17	21
Clay, silty, grayish-white, unoxidized; varved from 23 to 24 feet and from 28 to 37 feet	17	38
Clay, grayish-brown, massive; sandy from 40 to 42 feet, varved clay from 44 to 45 feet and from 47 to 50 feet. Till	14	52
Clay, very sandy, gravelly, gray; cobbles at 70 feet. Till	23	75
Cretaceous--Pierre shale:		
Shale	5	80
Test hole 122-63-34ababl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.1 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, and silty clay, oxidized; contains very fine sand. Lake deposit	19	21
Clay, silty, unoxidized, laminated	19	40
Silt, clayey, and silty clay. Lake deposit	2	42
Clay, silty. Lake deposit	7.5	49.5
Silt, clayey; sandy at 49.7 feet. Till	14.5	64
Sand and gravel, poorly sorted; contains clay and silt. (Probably till.)	14	78
Cretaceous--Pierre(?) shale:		
Siltstone; fragmented to 82 feet	7	85

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-63-34dddd1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,300.9 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay, silty, and clayey silt, oxidized. Lake deposit	18.5	19.5
Silt, clayey, unoxidized; sandy from 45 to 46 feet. Lake deposit	27.5	47
Silt, clayey. Till	1	48
Sand, fine, and silt, water-laid	5	53
Gravel, sandy and silty, water-laid	7	60
(?) (Driller reported gravel)	14	74
Clay, water-laid	5	79
Silt, clayey and sandy; very clayey from 84 to 85 feet; water-laid from 82 to 83 feet. Till	8	87
Cretaceous--Pierre shale:		
Shale, greenish-gray	3	90

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Test hole 122-64-5ccddl. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,310 feet.		
Recent and Pleistocene deposits:		
Soil	2.5	2.5
Clay, silty, calcareous, pale-yellow, massive	2	4.5
Silt, clayey, sandy, pale-yellow. Loess, possibly lacustrine in part	5.5	10
Sand, silty and slightly clayey, pale-yellow. Till	10	20
Sand, clayey, yellow, bedded	4.5	24.5
Clay, silty, gray; oxidized to 25 feet; gravel from 30 to 30.5 feet; bedded sand from 99.5 to 100 feet; coarse sand from 100 to 115 feet; gravel and clay from 115 to 126 feet. Till	101.5	126
Clay, silty, medium dark-gray; partly bedded. Till	9	135
Gravel	10	145
Silt and fine sand, gray; partly bedded. Till	19	164
Cretaceous--Pierre shale:		
Shale, calcareous	6	170
Well 122-64-19al. Drilled by F. Schultz for A. Eilers. Estimated land-surface altitude, 1,320 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	538	538
Greenhorn limestone ("cap rock") and older Cretaceous rocks	742	1,280
Well 122-64-23aal. Drilled by F. Schultz for D. Eldridge. Estimated land-surface altitude, 1,298 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported scattered sands from 100 to 240 feet.)	517	517
Greenhorn limestone ("cap rock") and older Cretaceous rocks	603	1,120

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-64-26bbl. Drilled by F. Schultz for L. Evelo. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	522	522
Greenhorn limestone ("cap rock") and older Cretaceous rocks	618	1,140
Test hole 122-64-30baaal. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,330 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay, silty, pale-yellow. Till	17	18
Sand, fine, pale-yellow	7	25
Sand, fine, unoxidized, pale-gray; cobbles at 28 feet	5	30
Sand, light-gray, massive. Till	5	35
Clay, silty, sandy, medium-gray, massive; sandy clay from 66 to 73 feet, bedded sand from 73 to 73.5 feet and from 84 to 86 feet. Till	51	86
Sand, coarse, clayey, gray	23	109
Lignite, sandy, clayey, black	2	111
Sand, medium-coarse, clayey, gray. Sand grains well-rounded, poorly frosted	24	135
Clay, gray. Till	14	149
Sand, very fine, silty and clayey, gray, bedded	15	164
Clay, slightly silty, pale-gray; bedded in part	13	177
Silt, clayey, sandy, gray	8	185
Sand, silty, gray, poorly bedded; clayey from 200 to 204 feet	50	235
(?) (Driller reported "sand rocks".)	8	243
Cretaceous--Pierre (?) shale:		
Clay, calcareous, dark-gray	7	250

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-64-33cccc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,293.3 feet.		
Recent and Pleistocene deposits:		
Silt, clayey, water-laid	2	2
Silt, sandy and clayey, oxidized; partly water-laid from 9 to 12 feet. Till	10	12
Silt, clayey, sandy, unoxidized; contains scattered thin beds of water-laid fine sand and silt; gravelly from 27 to 30 feet and from 35 to 40 feet. Till	35	47
Clay, silty and sandy; contains a few pebbles. Till.	7	54
Cretaceous--Pierre shale:		
Shale, black	6	60
Test hole 122-64-36ccdd2. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,297.9 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, oxidized; contains very fine sand. Lake deposit	18	20
Silt, clay, and a little sand, unoxidized	5	25
Clay, silty; contains thin beds of silt throughout and a bed of very fine sand at 29 feet	7.5	32.5
Sand, fine, silty and clayey	2	34.5
Clay; contains some thin beds of silt	5.5	40
Silt, clayey, laminated; till from 41.5 to 42 feet	3	43
Silt, clayey, sandy; contains thin beds of silt; water-laid silt and fine sand from 65 to 65.5 feet. Till	27	70
Cretaceous--Pierre(?) shale:		
Siltstone, firm	10	80

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 122-64-36ddddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,296.1 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt and clay, oxidized, water-laid; mostly silt from 5 to 15 feet	21.5	22.5
Silt and clay, unoxidized, water-laid; much clay from 35 to 53 feet	30.5	53
Silt, clayey; contains boulders from 55 to 60 feet and thin lenses of water-laid sand from 79 to 85 feet. Till	39.5	92.5
Cretaceous--Pierre shale:		
Shale, crumpled	1.5	94
Well 122-65-34ccccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,338.6 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt, sandy and clayey, oxidized; clayey from 20 to 25 feet, mottled from 27.5 to 30.5 feet. Till	29.5	30.5
Silt, clayey, unoxidized; gravelly and partly water-laid from 35 to 47 feet; contains shale pebbles from 47 to 49 feet. Till	18.5	49
Cretaceous--Pierre shale:		
Shale	3	52

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-60-2abbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.2 feet. Cased to depth of 40.1 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, calcareous, thinly laminated. Lake deposit	11	13
Silt, slightly clayey, calcareous, varved; oxidized to 15.5 feet. Lake deposit	6	19
Sand, very fine, silty, bedded; contains lenses of clayey sand. Lake deposit	14	33
Silt, clayey, calcareous, laminated; contains a few thin stringers of fine sand. Lake deposit	12	45
Clay, silty, sandy, very poorly sorted. Till	5	50
Cretaceous--Pierre shale:		
Shale	5	55
Well 123-60-5cbbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.3 feet. Cased to depth of 45.2 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, clayey, calcareous, varved. Lake deposit	7	10
Silt, slightly clayey, calcareous, varved; oxidized to 30 feet; contains very fine sand below 20 feet. Lake deposit	25	35
Silt, clayey, calcareous, laminated. Lake deposit	15	50
Clay, silty, calcareous, laminated; contains stringers of fine sand below 84 feet. Lake deposit	39	89
Clay, silty, sandy, and gravelly, calcareous, massive. Till	5.5	94.5
Cretaceous--Pierre shale:		
Shale	5.5	100

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-60-7cccl. Drilled by F. Schultz for Mrs. E. Riggs. Land-surface altitude, 1,303.1 feet.		
Recent and Pleistocene deposits	85	85
Cretaceous rocks:		
Pierre shale	67	152
Niobrara formation	116	268
Carlile shale	268	536
Greenhorn limestone	39	575
Graneros shale	215	790
Dakota sandstone	182	972
Well 123-60-8bccl. Drilled by F. Schultz for C. Lundman. Estimated land-surface altitude, 1,303 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	541	541
Greenhorn limestone ("cap rock") and older Cretaceous rocks	469	1,010
Well 123-60-12bbbl. Drilled by F. Schultz for W. Blair. Estimated land-surface altitude, 1,310 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	534	534
Greenhorn limestone ("cap rock") and older Cretaceous rocks	490	1,024

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-60-19cd1. Drilled by S. Norbeck for Chicago, Milwaukee, St. Paul and Pacific Railroad. Estimated land-surface altitude, 1,302 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
Clay	105	105
Boulders	3	108
Gravel	6	114
Clay	10	124
Gravel, coarse	16	140
Clay	40	180
Shale; contains "hard shells"	360	540
Limestone "cap rock" (Greenhorn)	15	555
Shale	392	947
Sand	39	986
Well 123-60-25dc1. Drilled by F. Schultz for E. Prunty		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	464	464
Greenhorn limestone ("cap rock") and older Cretaceous rocks	524	988
Well 123-61-31cbbb1. Drilled by F. Schultz for A. Lorenz. Estimated land-surface altitude, 1,304 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	538	538
Greenhorn limestone ("cap rock") and Graneros shale	387	925
Dakota sandstone, first flow	35	960
(?)	148	1,108
Dakota sandstone, second flow	40	1,148

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Test hole 123-61-33dddd1. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,296 feet.		
Pleistocene deposits:		
Clay, silty, calcareous, medium brownish-gray, massive. Lake deposit	6	6
Silt, slightly clayey, calcareous, medium yellowish-brown, laminated. Lake deposit	9	15
Silt, clayey and very sandy, calcareous, medium yellowish-brown, bedded; very sandy from 15.5 to 16 feet, from 19.5 to 21 feet, and from 24 to 25 feet; oxidized to 25 feet. Till and outwash	10	25
Clay, silty, sandy, and gravelly, calcareous, dark bluish-gray, massive. Till	30	55
Cretaceous--Pierre shale:		
Clay, calcareous, light to very dark-gray, shaly cleavage	5	60
Well 123-62-5cbcc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.7 feet. Cased to depth of 38.9 feet.		
Recent and Pleistocene deposits:		
Soil	2.5	2.5
Clay, silty, calcareous, laminated. Lake deposit	2.5	5
Silt, clayey, calcareous, laminated. Lake deposit	7	12
Sand, very fine, very silty, calcareous, thin-bedded; oxidized to 19.5 feet. Lake deposit	9	21
Clay, silty, calcareous, laminated. Lake deposit	28	49
Sand, silty and slightly clayey, calcareous, thin-bedded. Lake deposit	2	51
Clay, silty, calcareous, laminated. Lake deposit	4	55
Silt, clayey, calcareous, laminated. Lake deposit	29.5	84.5
Sand, silty, clayey, and gravelly, calcareous, obscurely bedded. Till	2.5	87
Cretaceous--Pierre shale:		
Shale	3	90

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-62-5dl. Drilled by F. Schultz for J. Whiting		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	513	513
Greenhorn limestone ("cap rock") and older Cretaceous rocks	586	1,099
Well 123-62-6adl. Drilled by F. Schultz for C. Gubin. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported no sand)	518	518
Greenhorn limestone ("cap rock") and older Cretaceous rocks	594	1,112
Well 123-62-8bcl. Drilled by F. Schultz for F. Fluke. Estimated land-surface altitude, 1,302 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported no sand)	511	511
Greenhorn limestone ("cap rock") and older Cretaceous rocks	495	1,006
Test hole 123-62-11cdl. South Dakota Geological Survey. Estimated land-surface altitude, 1,280 feet.		
Recent and Pleistocene deposits:		
Silt, sandy, black	3	3
Sand and silt, fine, dark-gray	10	13
Sand, fine, tan (water)	9	22
Silt, blue	25	47

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-62-28a1. Drilled by F. Schultz for S. Locken. Estimated land-surface altitude, 1,298 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	531	531
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	493	1,024
Well 123-62-30ddd1. Drilled by F. Schultz for J. Holmes. Estimated land-surface altitude, 1,303 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	85	85
Sand.....	7	92
(?).....	463	555
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	606	1,161
Well 123-62-32. Drilled by F. Schultz for Northwestern Mutual Life Insurance Co. Estimated land-surface altitude, 1,302 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	523	523
Greenhorn limestone ("cap rock") and Graneros shale.....	437	960
Dakota sandstone, first flow.....	30	990
(?).....	32	1,022
Dakota sandstone, second flow.....	30	1,052

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-62-36ddccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.4 feet. Cased to depth of 44.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, slightly clayey, calcareous, medium yellowish-brown, laminated; more clayey to 3.5 feet. Lake deposit	13.5	15.5
Silt, sandy, calcareous, thin-bedded; unoxidized and medium bluish-gray below 28 feet. Lake deposit	35	50.5
Silt, clayey, calcareous, medium-gray, massive. Till	22.5	73
Clay, silty, very calcareous, dark yellowish-gray, banded. Lake deposit	25	98
Sand, silty, slightly clayey, and pebbly, calcareous, medium-gray. Glacial outwash	9	107
Cretaceous--Pierre shale:		
Shale (siltstone), very dark-gray	8	115
Well 123-63-7aal. P. Pitz. Estimated land-surface altitude, 1,295 feet.		
Recent and Pleistocene deposits:		
(?)	10	10
Clay, blue	1	11
"Quicksand"	1	12
Gravel	4	16

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Test hole 123-63-7aa2. Drilled by F. Schultz for South Dakota Geological Survey on P. Pitz farm. Estimated land-surface altitude, 1,295 feet.		
Recent and Pleistocene deposits:		
Soil, sandy	5	5
Clay, yellow	10	15
Clay, sandy	2	17
Sand, clayey	3	20
Sand and gravel; clayey from 32 to 34 feet	22	42
Clay, sandy	6	48
Sand, interbedded with layers of clay and sandy clay	17	65
Clay, gray	5	70
Clay, sand, and sandy clay, interbedded	20	90
Clay, sandy, gray	10	100
Cretaceous--Pierre(?) shale:		
Clay, gray, soft, greasy, plastic	10	110
Shale, gray, soft, greasy; "slate" at 115 feet	5	115
Well 123-63-10bc1. Drilled by F. Schultz for W. Noltner. Estimated land-surface altitude, 1,302 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	180	180
Sand	...	.....
(?)	348	528
Greenhorn limestone ("cap rock") and older Cretaceous rocks	587	1,115

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-63-13cc1. Drilled by F. Schultz for R. Granger. Estimated land-surface altitude, 1,301 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	90	90
Sand	50	140
(?)	360	500
Greenhorn limestone ("cap rock") and older Cretaceous rocks	580	1,080
Well 123-63-14a1. Drilled by F. Schultz for S. Reese. Estimated land-surface altitude, 1,298 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported scattered sands from 70 to 190 feet.)	514	514
Greenhorn limestone ("cap rock") and older Cretaceous rocks	590	1,104
Well 123-63-14dd1. Drilled by F. Schultz for E. Anderson. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	141	141
Sand and coarse gravel	4	145
(?)	355	500
Greenhorn limestone ("cap rock") and older Cretaceous rocks	592	1,092

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-63-20d1. Drilled by F. Schultz for R. Lamont. Estimated land-surface altitude, 1,298 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	546	546
Greenhorn limestone ("cap rock") and Graneros shale.....	474	1,020
Dakota sandstone.....	231	1,251
Precambrian:		
Granite.....	...	.....
Well 123-63-20dc1. H. Hein. Estimated land-surface altitude, 1,290 feet.		
Recent and Pleistocene deposits:		
Soil and clay, yellow.....	15	15
Clay, blue.....	15	30
Sand, fine ("quicksand").....	10	40
Rock, coarse, with shale particles.....	10	50
Well 123-63-30abbb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,298.4 feet. Cased to depth of 38.0 feet.		
Recent and Pleistocene deposits:		
Soil.....	1	1
Clay, silty, calcareous, yellowish-brown, thin-bedded to massive. Lakd and wind deposit.....	3	4
Silt, slightly clayey, calcareous, yellowish-brown, laminated to massive; contains clayey fine sand from 10 to 10.5 feet, unoxidized and medium-gray below 20 feet. Lake and wind deposit.....	21	25
Clay, silty, sandy, and slightly gravelly, calcareous, medium to dark-gray, massive; contains silty sand at 60 feet and coarse sand and gravel from 68 to 69 feet and 73 to 74 feet. Till.....	58	83
Cretaceous--Pierre shale:		
Shale, bentonitic, slightly calcareous, dark-gray....	4	87

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 123-64-13cb1. Drilled by Norbeck and Nicholson for Chicago, Milwaukee, St. Paul and Pacific Railroad. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
Fill	6	6
Clay, yellow	8	14
Clay, bouldery, blue	100	114
Shale, "light", to depth of 179 feet; "thin shell, mud flow" at depth of 740 feet	626	740
Shale	175	915
Sandstone	25.7	940.7
Shale	61	1,001.7
Sandstone	25	1,026.7
Shale	34.4	1,061.1
Sandstone	33.5	1,094.6
Well 123-64-14ca1. Drilled by F. Schultz for Aberdeen Country Club. Estimated land-surface altitude, 1,310 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported scattered sands from 50 to 100 feet.)	530	530
Greenhorn limestone ("cap rock") and older Cretaceous rocks	720	1,250
Well 123-64-20ba1. Drilled by F. Schultz for J. Biegler. Estimated land-surface altitude, 1,310 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	80	80
Sand	20	100
(?)	1,160	1,260

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-60-4bbbl. Drilled by F. Schultz for A. Kemp. Estimated land-surface altitude, 1,304 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	134	134
Sand	12	146
(?)	392	538
Greenhorn limestone ("cap rock") and older Cretaceous rocks	421	959
Well 124-60-10daaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,303.0 feet. Cased to depth of 42.7 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, calcareous, varved. Lake deposit	2	4
Silt, slightly clayey, calcareous, varved. Lake deposit	10.5	14.5
Sand, very fine, calcareous; oxidized to 24 feet. Lake deposit	20.5	35
Clay, very silty, calcareous; contains sandy lens at 77 feet and lens of very fine gravel from 85 to 95 feet. Lake deposit	60	95
Sand, silty, calcareous, bedded. Glacial outwash	10	105
Cretaceous--Pierre shale:		
Shale	5	110

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-60-19cbcdl. Drilled by F. Schultz for Good Samaritan Home. Estimated land-surface altitude, 1,305 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, yellow	24	27
Clay, sandy, blue	49	76
Cretaceous rocks:		
Shale, gray, fragmented. Pierre shale	25	101
Shale, gray	219	320
Rock	1.5	321.5
Shale	27.5	349
Rock	5	354
Shale	173	527
Greenhorn limestone ("cap rock")	15	542
Shale	165	707
Sand, muddy, mud flow	13	720
Shale	137	857
Sand, hard	15	872
Shale	7	879
Sand	11	890
Shale	3	893
Sand	19	912
Sand and shale	5	917
Sand. Water, 23 gpm	42.5	959.5

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-61-2ddl. Drilled by U. S. Corps of Engineers. Land-surface altitude, 1,294.3 feet. Cased to depth of 59.0 feet by U. S. Geological Survey.		
Recent and Pleistocene deposits:		
Silt, dark-gray	2	2
Clay, brown, plastic	18	20
Clay, gray, plastic	4	24
Silt, sandy, gray	6	30
Sand, very fine, gray	13	43
Clay, gray, plastic	67	110
Clay, gray, plastic to stiff, gravelly	2	112
Clay, sandy, gray, stiff to plastic	1	113
Cretaceous--Pierre shale:		
Shale, gray	3	116
Well 124-61-8bbl. Drilled by U. S. Corps of Engineers. Land-surface altitude, 1,295.1 feet. Cased to depth of 40.5 feet by U. S. Geological Survey.		
Recent and Pleistocene deposits:		
Silt, brown	9	9
Silt, sandy, brown	11	20
Sand, very fine, brown	4	24
Sand, very fine, gray	16	40
Silt, sandy, gray	5	45
Clay, gray, plastic	35	80
Clay, brownish-gray, plastic	1	81
Clay, brownish-gray, stiff	1	82
Clay, dark-gray, stiff	6	88
Sand, clayey and gravelly, gray, plastic	2	90
Sand, clayey and gravelly, gray	2	92
Clay, gravelly, gray, plastic	4	96
Cretaceous--Pierre shale:		
Shale, dark-gray	4	100

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-61-9aaaal. Drilled by U. S. Corps of Engineers. Land-surface altitude, 1,298.5 feet. Cased to depth of 38.5 feet by U. S. Geological Survey.		
Recent and Pleistocene deposits:		
Silt, dark-gray	1	1
Silt, brown	19	20
Silt, brown; contains very fine sand	10	30
Sand, very fine, gray	31	61
Clay, gray, plastic	24	85
Clay, brownish-gray, plastic	5	90
Clay, gray, plastic	3.5	93.5
Sand, fine, pebbly, gray	.5	94
Clay, gray, plastic, gravelly	6	100
Well 124-61-9acl. Drilled by F. Schultz for H. Pharis. Estimated land-surface altitude, 1,305 feet.		
Recent and Pleistocene deposits and Cretaceous rocks: (?)	522	522
Greenhorn limestone ("cap rock") and older Cretaceous rocks	571	1,093
Test hole 124-61-27ccccl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,300.9 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt, yellow; contains much fine sand	9	10
Silt, yellow	4	14
Clay, yellow	2	16
Clay, blue, gray, and brown; contains iron concretions and layers of sandy silt	8	24
Silt, yellow and blue; "quick silt" from 33 to 38 feet	14	38

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-61-31cbbc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,300.1 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, slightly clayey, calcareous, varved. Lake deposit	14.5	16.5
Silt, very fine sandy, slightly calcareous, thin-bedded; oxidized to 30 feet; contains organic streaks at 45 and 50 feet. Marginal lake deposit	41.5	58
Clay, silty, calcareous, thin-bedded. Lake deposit	44	102
Sand, very fine, carbonaceous, calcareous, thin-bedded. Lake deposit	3	105
Cretaceous--Pierre shale:		
Shale	7	112
Well 124-62-8adddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,304.5 feet.		
Recent and Pleistocene deposits:		
Soil	2.5	2.5
Silt, very fine sandy, calcareous, laminated; oxidized to 25 feet. Lake deposit	37.5	40
Sand, fine, silty, calcareous, poorly bedded. Lake deposit	1	41
Silt, clayey, calcareous, varved. Lake deposit	28	69
Silt, slightly clayey, calcareous, laminated. Lake deposit	6	75
Sand, gravelly and silty, calcareous, bedded. Glacial outwash	20	95
Cretaceous--Pierre shale:		
Shale	10	105

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-62-12bbl. Drilled by U. S. Corps of Engineers. Land-surface altitude, 1,299.9 feet. Cased to depth of 58.6 feet by U. S. Geological Survey.		
Recent and Pleistocene deposits:		
Silt, dark-gray	1.2	1.2
Clay, silty, brown	13.8	15
Silt, grayish-brown	1	16
Clay, silty, grayish-brown	2	18
Silt, brown	10	28
Silt, gray	22	50
Clay, gray	21	71
Silt, gray	1	72
Clay, brownish-gray	24	96
Gravel, coarse	4	100
Clay, dark-gray	1.3	101.3
Cretaceous--Pierre shale:		
Shale, firm, dark-gray	.7	102
Well 124-62-17dddd2. Drilled by F. Schultz for D. James. Estimated land-surface altitude, 1,303 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	519	519
Greenhorn limestone ("cap rock") and older Cretaceous rocks	651	1,170
Precambrian(?):		
Granite wash	...	.....
Well 124-62-24adl. Drilled by F. Schultz for Tacoma Park Association. Estimated land-surface altitude, 1,276 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	486	486
Greenhorn limestone ("cap rock") and older Cretaceous rocks	582	1,068

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-62-26bb1. Drilled by F. Schultz for E. Armantrout. Estimated land-surface altitude, 1,303 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported no sand).....	522	522
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	565	1,087
Test hole 124-63-8baaa1. Drilled by Black & Veatch for City of Aberdeen. Estimated land-surface altitude, 1,315 feet.		
Recent and Pleistocene deposits:		
Soil.....	5	5
Clay, brown; contains gravel below 10 feet.....	17.5	22.5
Sand, fine to coarse, dirty.....	6	28.5
Clay, blue.....	1.5	30
Sand; contains streaks of blue clay.....	5	35
Clay, blue.....	1	36
Sand, fine.....	9	45
Clay, gritty, gray and blue.....	10	55
Clay, sandy.....	5	60
Clay; soft and gritty to 75 feet.....	23	83
Sand, fine, dirty; contains thin streaks of clay.....	2	85
Sand and clay.....	5	90
Clay; sandy to 95 feet.....	30	120
Cretaceous--Pierre shale:		
Shale.....	...	.....

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-63-15cbbb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,304.1 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, silty and sandy, calcareous, thin-bedded	12	15
Sand, gravelly, silty, and slightly clayey, calcareous; lignitic below 18 feet. Glacial outwash	5	20
Clay, sandy, silty, and gravelly, calcareous; very sandy from 26 to 27 feet. Till and outwash	30	50
Sand, mostly fine, silty, calcareous, obscurely bedded. Glacial outwash	20	70
Clay, very sandy, silty, and gravelly, calcareous. Till	45	115
Cretaceous--Pierre shale:		
Shale	10	125
Test hole 124-63-17cc1. Drilled by F. Schultz for South Dakota Geological Survey on Stucke farm. Estimated land-surface altitude, 1,315 feet.		
Recent and Pleistocene deposits:		
Soil	1.5	1.5
Silt and sand	11.5	13
Sand and gravel	2.5	15.5
Clay, sandy	4	19.5
Gravel; sandy to 20 feet	2	21.5
Clay, sandy, gray	20.5	42
Sand and gravel	11	53
Clay, sandy, gray	57	110
Sand, very fine	5	115
Cretaceous--Pierre(?) shale:		
Clay, gray; slightly sandy from 144 to 150 feet	70	185
Shale, soft to 205 feet	22	207

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 124-63-30bbcl. Drilled by F. Schultz for D. Schliebe. Estimated land-surface altitude, 1,316 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	540	540
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	666	1,206
Test hole 124-64-27ccl. Drilled by F. Schultz for South Dakota Geological Survey on J. Ness farm. Estimated land-surface altitude, 1,350 feet.		
Recent and Pleistocene deposits:		
Soil and clay.....	7.5	7.5
Sand; gravelly to 15 feet and from 33 to 34 feet.....	28.5	36
Clay, sandy.....	49	85
Cretaceous--Pierre shale:		
Clay, light-gray, greasy; shaly below 110 feet.....	50	135
Well 125-60-7abbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.0 feet. Cased to depth of 45.3 feet.		
Recent and Pleistocene deposits:		
Soil.....	2	2
Silt, very fine sandy, slightly clayey, calcareous, obscurely bedded. Lake or wind deposit.	3.5	5.5
Silt, clayey, calcareous, laminated. Lake deposit....	1	6.5
Silt, slightly clayey, calcareous, varved; oxidized to 22 feet; sandy toward base. Lake deposit.....	38.5	45
Sand, very fine, silty, well-sorted, calcareous, obscurely bedded. Lake deposit.....	33	78
Clay, silty, calcareous, laminated. Lake deposit.....	27	105
Clay, silty, sandy, and slightly gravelly, calcareous, massive; contains fragments of shale. Till.....	8	113
Cretaceous--Pierre shale:		
Shale.....	2	115

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 125-60-28cl. Drilled by F. Schultz for A. Kemp. Estimated land-surface altitude, 1,310 feet.		
Recent and Pleistocene deposits and Cretaceous rocks: (?).....	528	528
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	413	941
Well 125-60-35cl. Drilled by F. Schultz for Northwestern Mutual Life Insurance Co. Estimated land-surface altitude, 1,308 feet.		
Recent and Pleistocene deposits and Cretaceous rocks: (?) (Driller reported no sand.).....	502	502
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	479	981
Well 125-61-5ccl. Drilled by F. Schultz for F. Atkins. Estimated land-surface altitude, 1,307 feet.		
Recent and Pleistocene deposits and Cretaceous rocks: (?).....	508	508
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	395	903
Well 125-62-1adl. Drilled by F. Schultz for H. Kemnitz. Estimated land-surface altitude, 1,305 feet.		
Recent and Pleistocene deposits and Cretaceous rocks: (?).....	508	508
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	598	1,106

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 125-62-2dl. Drilled by F. Schultz for E. Karlen. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported sand at 130 feet).....	234	234
Sand.....	24	258
(?).....	275	533
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	648	1,181
Well 125-62-11dcl. Drilled by F. Schultz for C. Hanson. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	475	475
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	607	1,082
Well 125-62-20dal. Drilled by F. Schultz for F. Meints. Estimated land-surface altitude, 1,297 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	515	515
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	581	1,096
Well 125-62-21bl. Drilled by F. Schultz for E. Klepfer. Estimated land-surface altitude, 1,303 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported sand from 120 to 200 feet)....	515	515
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	487	1,002

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 125-62-27bl. Drilled by F. Schultz for H. Dennert. Estimated land-surface altitude, 1,308 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	527	527
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	507	1,034
Well 125-62-33bcl. Drilled by F. Schultz for R. Jackson. Estimated land-surface altitude, 1,301 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	170	170
Sand.....	16	186
(?).....	350	536
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	582	1,118
Test hole 125-62-35bl. South Dakota Geological Survey. Estimated land-surface altitude, 1,286 feet.		
Recent and Pleistocene deposits:		
Soil, black, silty muck.....	5	5
Sand, very fine.....(water below 15 feet)..	13	18
Clay, blue.....	2	20
Sand, fine, "quick," dark; contains limy concretions at 27 feet and clay partings below 27 feet.....	15	35
Silt, sandy, blue.....	7	42
Sand, medium-grained, dark; contains snail and clam shells and plant matter.....	10	52
Well 125-63-15cbccl. Drilled by F. Schultz for A. Oschmann. Estimated land-surface altitude, 1,326 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	550	550
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	700	1,250

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 125-64-9cda1. Drilled by E. Marklund for A. Huettl. Estimated land-surface altitude, 1,385 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	560	560
Greenhorn limestone ("cap rock") and older Cretaceous rocks	547	1,107
Well 126-60-15da2. Drilled by R. Funk for R. Swanson. Estimated land-surface altitude, 1,299 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	849	849
Sandstone	126	975
Precambrian:		
Granite	...	.....
Well 126-60-30cc2. Drilled by U. S. Corps of Engineers. Land-surface altitude, 1,277.9 feet. Cased to depth of 58.3 feet by U. S. Geological Survey.		
Recent and Pleistocene deposits:		
Silt, dark-gray	3	3
Sand, very fine, brown	7	10
Silt, gray	5	15
Sand, very fine, gray to brown	1.5	16.5
Sand, very fine, gray	7.5	24
Sand, silty, gray	6	30
Silt, sandy, gray; contains a few gypsum crystals	10	40
Silt, gray	3	43
Clay, gray, plastic	40.2	83.2
Clay, sandy, gray, plastic	.4	83.6
Sand, gray	.4	84
Clay, sandy and gravelly, gray, plastic	6	90
Clay, sandy and gravelly, gray, stiff	4	94
Cretaceous--Pierre shale:		
Shale	3	97

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 126-60-34bl. Drilled by U. S. Corps of Engineers. Land-surface altitude, 1,302.8 feet. Cased to depth of 21.0 feet by U. S. Geological Survey.		
Recent and Pleistocene deposits:		
Silt, dark-gray	2	2
Silt, sandy, brown	2	4
Silt, brown	8	12
Silt, sandy, brown	6	18
Sand, very fine, gray to brown	2	20
Sand, very fine, gray	34	54
Silt, sandy, gray	19	73
Clay, gray, plastic	27	100
Clay, gray, stiff	3	103
Clay, sandy, gray, plastic	.5	103.5
Clay, gray, plastic; contains some fine gravel	6.5	110
Clay, gray, plastic	10	120
Cretaceous--Pierre shale:		
Shale, dark-gray	3	123
Well 126-61-1dl. Drilled by F. Schultz for P. Benedict. Estimated land-surface altitude, 1,298 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	492	492
Greenhorn limestone ("cap rock") and older Cretaceous rocks	478	970
Well 126-61-15cl. Drilled by F. Schultz for R. Herseth. Estimated land-surface altitude, 1,295 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?) (Driller reported "good" sand at 180 feet)	530	530
Greenhorn limestone ("cap rock") and older Cretaceous rocks	521	1,051

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 126-61-26ccl. Drilled by U. S. Corps of Engineers. Land-surface altitude, 1,287.0 feet. Cased to depth of 39.0 feet by U. S. Geological Survey.		
Recent and Pleistocene deposits:		
Sand, silty, gray	2	2
Sand, very fine, brown to gray	12	14
Sand, silty, brown to gray	2	16
Clay, gray, plastic	4	20
Silt, clayey, gray, plastic	10	30
Sand, very fine, gray	19	49
Clay, gray, plastic	39	88
Sand	10.2	98.2
Clay, sandy and gravelly, gray, stiff	.8	99
Cretaceous--Pierre shale:		
Shale, dark-gray, stiff	2	101
Well 126-61-30al. Drilled by F. Schultz for Union Central Life Insurance Co. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	495	495
Greenhorn limestone ("cap rock") and older Cretaceous rocks	605	1,100
Well 126-62-19bdddl. Drilled by F. Schultz for H. Eichler. Estimated land-surface altitude, 1,305 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	90	90
Sand and gravel	20	110
(?)	390	500
Greenhorn limestone ("cap rock") and older Cretaceous rocks	525	1,025

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 126-62-22dccl. Drilled by F. Schultz for B. Tollefson. Estimated land-surface altitude, 1,297 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	495	495
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	453	948
Well 126-62-26dadl. Drilled by F. Schultz for H. Smith. Estimated land-altitude, 1,303 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	509	509
Greenhorn limestone ("cap rock") and older Cretaceous rocks.....	417	926
Well 126-63-24ddddl. Drilled by F. Schultz for O. Yeske, Jr. Estimated land-surface altitude, 1,315 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?).....	80	80
Sand.....	24	104
(?).....	1,070	1,174
Well 127-60-14dd2. Jetted by U. S. Geological Survey. Land-surface altitude, 1,290.3 feet.		
Loam, silty, black.....	2.0	2.0
Silt, brown.....	10.0	12.0
Silt, sandy, brown; contains some clay.....	5.4	17.4

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
BROWN COUNTY--Continued		
Well 127-60-20aa2. Jetted by U. S. Geological Survey. Land-surface altitude, 1,295.8 feet. Cased to depth of 80.0 feet.		
Loam, clay	2.0	2.0
Loam, silty clay	2.0	4.0
Clay, silty	3.0	7.0
Loam, silty clay	13.0	20.0
Clay, bluish-gray; contains thin layers of sand	8.0	28.0
Sand and clay layers; average thickness about 1 foot	74.0	102.0
Well 127-61-14dd1. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,292.1 feet.		
Sand, fine, loamy	2.0	2.0
Loam, fine sandy	1.0	3.0
Sand, fine, loamy	2.0	5.0
Loam, silty	1.0	6.0
Loam, very fine sandy	2.0	8.0
Sand, fine	6.0	14.0
Well 127-61-36cc1. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,298.7 feet. Cased to depth of 16.0 feet.		
Loam, very fine sandy	3.0	3.0
Silt, sandy, brown	5.0	8.0
Sand, fine, gray	6.0	14.0
Clay, silty, gray	1.0	15.0
Sand, very fine, bluish-gray	12.0	27.0
Clay, sandy, brownish-gray, stiff	2.0	29.0

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
DAY COUNTY		
Well 123-59-33bcccl. Bored by E. Seidel for D. Dylle. Land-surface altitude, 1,422.3 feet.		
Recent and Pleistocene deposits:		
Clay, yellow, oxidized	38	38
Clay, blue, unoxidized	22	60
Clay, sandy	...	.....
MARSHALL COUNTY		
Well 125-58-5bcccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,316.1 feet.		
Recent and Pleistocene deposits:		
Loam, clayey and silty, massive; calcareous below 3 feet. Loess and humus	10	10
Silt, slightly clayey, calcareous, obscurely bedded; more clayey below 15.5 feet. Loess	7	17
Sand, silty, calcareous, very poorly sorted, thin-bedded. Glacial outwash	1.5	18.5
Clay, sandy, silty, and gravelly, calcareous, massive. Till	3.5	22
Cretaceous--Pierre shale:		
Shale	8	30
(?)	11.6	41.6

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
MARSHALL COUNTY--Continued		
Well 125-59-33daaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,313.4 feet. Cased to depth of 40.2 feet.		
Recent and Pleistocene deposits:		
Soil and loess	5	5
Silt, clayey, calcareous, somewhat laminated	9.5	14.5
Sand, silty, calcareous, thin-bedded. Marginal lake deposit	5.5	20
Silt, clayey, calcareous, varved. Lake deposit	25	45
Sand, gravelly, silty, and clayey, calcareous, poorly bedded; contains many small weathered pebbles and particles of shale. Glacial outwash	3	48
Cretaceous--Pierre shale:		
Shale	5	53
Well 126-58-1cb2. Jetted by U. S. Geological Survey. Land-surface altitude, 1,318.5 feet.		
Recent and Pleistocene deposits:		
Loam, clay, gray to black	5	5
Silt, brown	9	14
Sand, fine	2.5	16.5
Clay, bluish-gray	4.5	21
Cretaceous--Pierre shale:		
Shale	.5	21.5

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
MARSHALL COUNTY--Continued		
Well 126-58-17aabb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,306.2 feet. Cased to depth of 40.4 feet.		
Recent and Pleistocene deposits:		
Soil	5	5
Silt, slightly clayey, calcareous, laminated. Lake deposit	12	17
Clay, silty, very calcareous, obscurely bedded. Lake deposit	4	21
Silt, slightly clayey, calcareous, cross-bedded. Lake deposit	4	25
Clay, silty, calcareous, laminated. Lake deposit	2	27
Silt, slightly clayey, calcareous, varved; clayey at 32 feet, at 53 feet, at 66 feet, at 73 feet, and from 80 to 85 feet. Lake deposit	64	91
Clay, silty, calcareous, shaly cleavage, laminated. Lake deposit	9	100
Sand, gravelly, silty, calcareous; contains many fragments of shale. Glacial outwash	5	105
Cretaceous--Pierre shale:		
Shale	4	109
Well 126-58-23dd1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,349.8 feet.		
Recent and Pleistocene deposits:		
Loam, silty, black	4	4
Silt, brown	7	11
Gravel	5.6	16.6
Cretaceous--Pierre shale:		
Clay and shale	.5	17.1

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
MARSHALL COUNTY--Continued		
Well 126-59-14aabl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,294.8 feet. Cased to depth of 18.4 feet.		
Recent and Pleistocene deposits:		
Loam, sandy	2	2
Sand, brown	5	7
Sand, fine, bluish-gray	23	30
Sand, fine, bluish-gray; contains clay	53	83
Cretaceous--Pierre shale:		
Shale or dark clay	1	84
Well 126-59-18aaadl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,308.0 feet. Cased to depth of 37.1 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt, clayey, calcareous, varved. Lake deposit	5	6
Silt, slightly clayey, calcareous, varved. Lake deposit	8	14
Silt, clayey, calcareous, varved; oxidized to 15 feet; contains organic material at 31 feet; very sandy below 32 feet. Lake deposit	20	34
Clay, silty, calcareous, massive. Lake deposit	5	39
Silt, very fine sandy, partly oxidized, thin-bedded. Lake deposit	6	45
Silt, slightly clayey, calcareous, laminated. Lake deposit	88	133
Sand, gravelly, silty, and very clayey, calcareous	12	145
(?)	3	148
Cretaceous--Pierre shale:		
Shale, fossiliferous	4	152
Well 126-59-20aal. Drilled by F. Schultz for E. Alberts.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	482	482
Greenhorn limestone ("cap rock") and older Cretaceous rocks	514	996

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
MARSHALL COUNTY--Continued		
Well 126-59-33cbbb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,300.3 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, very silty, very calcareous, poorly bedded. Wind deposit	1.5	3.5
Silt, slightly clayey, calcareous; very fine sand abundant to 10 feet; porous to 20 feet; varved below 20 feet. Wind and lake deposit	21.5	25
Clay, very silty, calcareous, unoxidized, varved. Lake deposit	7	32
Silt, slightly clayey, calcareous, varved. Lake deposit	13	45
Well 127-58-14dd1. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,302.5 feet.		
Clay, medium	17.0	17.0
Clay, heavy	6.0	23.0
Well 127-58-17dd2. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,298.6 feet.		
Loam, fine sandy	2.0	2.0
Loam, silty	3.0	5.0
Loam, sandy clay	9.0	14.0
Sand, fine, loamy	5.0	19.0
Well 127-58-32dd1. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,313.5 feet.		
Loam, silty clay	2.0	2.0
Clay, silty	3.0	5.0
Clay, medium	14.0	19.0
Clay, heavy	4.0	23.0

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
MARSHALL COUNTY--Continued		
Well 127-59-17dd1. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.2 feet.		
Loam, fine sandy	1.0	1.0
Loam	1.0	2.0
Loam, silty	1.0	3.0
Loam, silty clay	2.0	5.0
Clay, silty	2.0	7.0
Clay	5.0	12.0
Sand	5.0	17.0
SPINK COUNTY		
Test hole 115-60-9adddl. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,360 feet.		
Recent and Pleistocene deposits:		
Soil	1.5	1.5
Clay, silty, and clayey silt, oxidized; contains water-laid silt and clay from 4 to 5 feet. Till	5.5	7
Silt and fine sand, clayey, water-laid	1.5	8.5
Clay, sandy. Till	4.5	13
Clay, silty, unoxidized; very sandy from 40 to 40.5 feet. Till	81	94
Silt and clay, very fine sandy, water-laid; contains a layer of till from 95.5 to 96 feet	4	98
Clay, silty. Till	2	100
Cretaceous--Pierre shale:		
Shale, dark-gray; contains streaks of light-gray calcareous shale	10	110

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 115-62-6cdddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,297.8 feet. Cased to depth of 45.5 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, calcareous, yellowish-brown, poorly bedded. Lake deposit	1.5	3.5
Silt, slightly clayey, calcareous, yellowish-gray, laminated. Lake deposit	6.5	10
Clay, silty, sandy, and pebbly, calcareous, yellowish-brown, massive; contains outwash sands from 22 to 24 feet; unoxidized and bluish-gray below 29 feet. Till and glacial outwash	25.5	35.5
Sand, poorly sorted, calcareous, medium-gray. Glacial outwash	4	39.5
Clay, silty, sandy, and pebbly, calcareous. Till	5	44.5
Sand, silty, well-sorted, calcareous, medium-gray, cross-bedded. Glacial outwash	8.5	53
Clay, silty, sandy, and pebbly, calcareous. Till	8	61
Sand, poorly sorted, calcareous, medium-gray. Glacial outwash	3	64
Clay, sandy, gravelly, and silty. Till	11	75
Peat, carbonaceous, fissile, noncalcareous, black	5	80

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-61-8dddd1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.3 feet.		
Recent and Pleistocene deposits:		
Clay, silty	2	2
Silt, clayey, sandy, oxidized; contains water-laid silt and clay from 3 to 3.5 feet and from 10 to 11 feet; contains medium-grained sand from 9.2 to 9.5 feet. Till	12.5	14.5
Silt and fine sand, water-laid	.5	15
(?) (Driller reported sand.)	5	20
Sand, medium-grained, silty, water-laid	4	24
Sand, very silty, clayey, poorly sorted	2	26
Sand, medium-grained to fine	3	29
Sand, fine, and silt, unoxidized	1	30
Sand, very silty, clayey, lignitic, poorly sorted	5	35
Sand, poorly sorted, pebbly; contains much silt and clay from 37 to 37.5 feet	8	43
Clay, silty; very calcareous from 43 to 44 feet. Till	2	45
Sand, lignitic, poorly sorted	5	50
Sand, medium-grained to fine, pebbly; lignitic at 54 feet, very silty and clayey below 54 feet	5	55
Sand, coarse to medium-grained, silty, lignitic; contains fine sand	4	59
Sand, medium-grained to fine, lignitic; contains water-laid silt from 64 to 64.5 feet	10	69
Sand, fine, silty, lignitic	1	70
Sand, medium-grained to fine, silty	4	74
Sand, poorly sorted, silty; contains clay above 75 feet and below 79 feet	6	80
(?) (Driller reported sand.)	5	85
Sand, medium-grained to coarse; contains pebbles	3	88
Sand, silty and clayey, poorly sorted	7	95
Sand, medium-grained to coarse, lignitic, clayey	4	99
Cretaceous--Pierre shale:		
Shale, black; contains thin beds of bentonite	6	105

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-61-21cdccl. C. Lindskov. Estimated land-surface altitude, 1,297 feet.		
Recent and Pleistocene deposits:		
Soil (sandy clay)	6	6
Sand	11	17
"Quicksand"	1	18
Well 116-61-33abbbl. C. Cooper. Land-surface altitude, 1,302.8 feet.		
Soil	3	3
Clay	1.5	4.5
Clay and sand	1	5.5
Sand	12.5	18
"Water sand"	7.6	25.6
Well 116-62-8adl. Town of Frankfort. Estimated land-surface altitude, 1,295 feet.		
Recent and Pleistocene deposits:		
Loam and till, yellow	22	22
Sand and gravel	20	42
Cretaceous rocks:		
Clay, blue	60	102
Soapstone (hard shale)	200	302
Limestone, impure	10	312
Soapstone (hard shale)	288	600
Conglomerate	7	607
Soapstone (hard shale)	84	691
Limestone, sandy	16	707
Soapstone (hard shale)	93	800
Conglomerate	3	803
Sandstone (water)	122	925
Soapstone (hard shale)	20	945
Sandstone (water)	40	985
Soapstone (hard shale)	15	1,000
Sandstone (water)	8	1,008

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-62-13daad1. Drilled by A. Larson for L. Wilson. Estimated land-surface altitude, 1,295 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	280	280
"Hard shell"	3	283
(?)	197	480
Greenhorn limestone ("cap rock") and Graneros shale. (Driller reported "hard shells" from 671 to 672 feet, from 698 to 699 feet, from 700 to 701 feet, and from 793 to 793.6 feet.)	488	968
Dakota sandstone:		
Sand "good"	51	1,019
Shale	3	1,022
Well 116-62-18id3. Drilled by Payne for A. Haskell. Estimated land-surface altitude, 1,290 feet.		
Pleistocene deposits:		
Clay. Till	70	70
Sand (water)	50	120
Cretaceous--Pierre(?) shale:		
Shale	10	130
(?)	1,070	1,200

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-62-25daaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,289.2 feet. Cased to depth of 43.5 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay, silty, calcareous, yellowish-brown, obscurely bedded. Wind deposit	4.5	5.5
Silt, slightly clayey, calcareous, yellowish-brown, massive. Wind deposit	2.5	8
Clay, silty, sandy, and pebbly, calcareous, mottled light and medium yellowish brown, massive; contains many thin streaks of outwash sand. Till	6.5	14.5
Sand, silty, poorly sorted, calcareous, brownish-gray. Glacial outwash	4.5	19
Clay, silty, sandy, and pebbly, calcareous, massive; unoxidized and bluish-gray below 28 feet. Till	10	29
Sand, silty, poorly sorted. Glacial outwash	1	30
Clay, silty, sandy, and pebbly, calcareous, dark bluish-gray. Till	10	40
Sand, silty, poorly sorted. Glacial outwash	5	45
Clay, silty, sandy, and gravelly, calcareous, dark bluish-gray, massive; very sandy from 60 to 71 feet. Till	29	74
Cretaceous--Pierre shale:		
Shale, slightly calcareous, fossiliferous, very dark-gray	11	85
Well 116-62-29abbal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,255.4 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, sandy and very clayey, oxidized, water-laid	9	12
Sand, fine, very silty, clayey, water-laid; pebbly from 16 to 17 feet	5	17
Cretaceous--Pierre shale:		
Shale, bentonitic, soft, gray	10	27

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-62-30aaaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,292.9 feet.		
Recent and Pleistocene deposits:		
Silt, clayey, oxidized, water-laid; contains fine sand	12	12
Silt, clayey, sandy; contains much gravel from 20 to 25 feet. Till	13	25
Clay, silty, sandy, and pebbly, unoxidized. Till	10	35
Silt, clayey, water-laid; contains very fine sand	5	40
Sand, fine, silty, clayey, water-laid	25	65
Cretaceous--Pierre shale:		
Shale, bentonitic, soft, black; contains marcasite from 73 to 75 feet	10	75
Well 116-62-30bbbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,265.1 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, oxidized, water-laid	3	5
Silt and clay, fine sandy, water-laid	2	7
Sand, fine, and silt, water-laid	2.5	9.5
Silt, very sandy, clayey. Till	1.5	11
Clay, silty. Till	1	12
Clay, silty, unoxidized. Till	8	20
Silt and fine sand, water-laid. May include some silty till	8	28
Clay, silty. Till	2	30
Sand, poorly sorted; contains lenses of silt and clay	4.5	34.5
Clay, silty. Till	.5	35
Sand, fine to medium-grained, and silt	8	43
Sand, medium-grained to coarse, angular	2	45
Silt, very sandy. Till	3	48
Sand, fine, and silt	13	61
Clay, sandy, silty. Till	5	66

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 116-63-2babal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.9 feet.		
Recent and Pleistocene deposits:		
Silt and clay, oxidized, water-laid	10	10
Clay, silty; contains boulders from 12 to 13 feet and at 17 feet. Till	7	17
Sand, coarse, water-laid; contains a few small pebbles	14.5	31.5
Sand, fine to medium-grained, silty, oxidized, water-laid	34.5	66
Clay, silty; contains fragments of shale	9	75
Test hole 116-63-2bbabl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,293.9 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt and some clay, oxidized, water-laid	6	7
Clay, silty and sandy; contains boulders from 7 to 8 feet. Till	18	25
Sand, fine to medium-grained, and silty gravel. Till(?)	5	30
(?) (Driller reported sand with little clay)	3	33
Sand, fine to very coarse, oxidized, water-laid	22	55
(?) (Driller reported gray clay)	3	58
Clay, silty, water-laid, unoxidized	7	65
Clay, silty. Till	8	73
Sand, fine to medium-grained, silty, water-laid	5	78
Clay, silty. Till	6.5	84.5
Clay, silty, sandy, oxidized. Till	.5	85
Cretaceous--Pierre shale:		
Shale, calcareous, broken	12	97
Shale, bentonitic, dark-gray, firm	1	98

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 116-63-2bbbb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.3 feet.		
Recent and Pleistocene deposits:		
Silt, clayey, oxidized, water-laid	13.5	13.5
(?) (Driller reported boulders.)	1.5	15
Clay, sandy, silty, and pebbly. Till	15	30
(?) (Driller reported brown sandy clay.)	3	33
Clay, sandy and silty. Till	2	35
Clay, silty; sandy from 42 to 43 feet. Till	18	53
Cretaceous--Pierre shale:		
Shale, bentonitic and calcareous, broken in part	14	67
Test hole 116-63-3abbb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,289.7 feet.		
Recent and Pleistocene deposits:		
Clay, silty, and clayey silt, oxidized; contains some fine sand, water-laid	26	26
Clay, silty, unoxidized, water-laid	1	27
Silt, clayey, and silty clay, partly oxidized, water-laid	3	30
Clay, silty and sandy, unoxidized	10	40
Silt, sandy, oxidized	4	44
Clay, silty, unoxidized, laminated	7	51

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-63-4aaaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,290.6 feet.		
Pleistocene deposits:		
Silt, oxidized, roughly laminated. Lake deposit.....	40	40
Silt, unoxidized; slightly sandy from 60 to 62 feet and from 64 to 64.5 feet. Lake deposit.....	24.5	64.5
Silt, clayey; sandy from 66 to 67 feet. Till.....	15.5	80
(?) (Driller reported clay.).....	4	84
Silt, clayey. Till.....	5	89
(?) (Driller reported clay.).....	15	104
Silt, clayey; contains scattered carbonaceous matter; red iron stains from 122 to 124 feet.....	22.5	126.5
Cretaceous--Pierre shale:		
Shale, black.....	.5	127
Well 116-63-5bbbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,274.4 feet.		
Recent and Pleistocene deposits:		
Soil.....	2	2
Silt, clayey, oxidized. Till.....	5	7
Silt, water-laid; contains scattered gypsum crystals.....	4.5	11.5
Silt, clayey. Till.....	1.5	13
Cretaceous--Pierre(?) shale:		
Siltstone; contains bentonite and selenite crystals at 14 feet; pyritic from 15 to 15.5 feet.....	2.5	15.5
Siltstone, black; contains selenite crystals.....	4.5	20

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-63-20cdcd1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,293.8 feet. Cased to depth of 45.2 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt, clayey, calcareous, mottled yellowish-brown, massive to thinly laminated; contains a layer of till from 20 to 21 feet. Lake and wind deposit	22	23
Sand, coarse, clayey, poorly sorted, calcareous, brownish-gray, massive. Till	2	25
Clay, silty, sandy, and gravelly, calcareous, dark bluish-gray, massive; unoxidized below 30 feet. Till	25	50
Cretaceous--Pierre shale:		
Shale, noncalcareous, very dark-gray	10	60
Well 116-63-25bbbb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,296.9 feet.		
Pleistocene deposits:		
Silt, clayey, sandy, yellow, laminated. Lake deposit	14.5	14.5
Silt, oxidized. Till	7.5	22
Sand, fine to medium-grained; well-sorted, silty	5	27
Sand, silty, poorly sorted; contains small pebbles	4	31
Sand, fine to medium-grained, silty, unoxidized. Probably water-laid	4	35
Clay, silty. Till	4	39
Silt and clay, water-laid	1	40
Sand and silt, poorly sorted	10	50
Clay, silty and sandy; very sandy in part. Till	6	56
Clay, silty; water-laid silt and clay from 111.5 to 112 feet, water-laid fine sand and silt from 79.5 to 80 feet, more sand below 88 feet. Till	86	142
Cretaceous--Pierre shale:		
Shale; bentonitic from 142 to 143 feet, petroliferous odor from 144 to 145 feet	4	146

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-63-26baaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,279.8 feet.		
Pleistocene deposits:		
Silt, sandy, clayey, oxidized; very sandy from 12 to 14 feet. Till	14	14
Silt, fine sand, and clay, water-laid	2	16
Silt, sandy, clayey, partly oxidized; very sandy from 20 to 21 feet. Till	6	22
Clay, silty, unoxidized; contains numerous beds of sand; water-laid silt and clay from 25 to 26 feet. Till	9	31
Sand, fine to medium-grained, silty, oxidized, water-laid	4	35
Silt, clayey; contains stringers of sand. Till	9	44
Clay, silty. Till	16	60
Well 116-63-26bbbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,274.2 feet.		
Pleistocene deposits:		
Clay, silty and sandy, oxidized. Till	1.5	1.5
Silt and fine sand, water-laid; some till at base	3.5	5
Sand, fine to medium-grained, silty; contains coarse sand	5	10
Clay, silty, and clayey silt, unoxidized. Till	5	15
Gravel, small to medium, silty and clayey, water-laid	2.5	17.5
Clay, silty, and clayey silt; water-laid silt and clay from 19 to 20 feet and from 21 to 21.5 feet, poorly sorted silty and clayey sand from 21.5 to 22.5 feet. Till	7.5	25
Silt, clayey, water-laid; contains very fine sand	5	30
Silt, clayey; sandy from 43 to 44 feet. Till	16	46
Sand, poorly sorted, silty and clayey	31	77
Clay, silty. Till	19.5	96.5
Silt, fine sand, and clay, water-laid	20.5	117
Cretaceous--Pierre shale:		
Shale, calcareous, dark-gray	4	121

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-63-28aaabl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.5 feet.		
Recent and Pleistocene deposits:		
Silt, clayey, water-laid; silty till from 9.5 to 10 feet	11	11
Clay, silty, and clayey silt, oxidized. Till	9.5	20.5
Sand, fine to medium-grained; contains much charcoal	4	24.5
Silt, sandy. Till	.5	25
Gravel, fine to medium-grained and fine to medium-grained sand	5	30
Sand, fine to coarse, silty	5	35
Silt, clayey, and silty clay, unoxidized; sandy from 51 to 54 feet and from 89 to 91 feet; contains water-laid sand and silt from 97 to 98 feet and water-laid fine to medium-grained sand from 100 to 102 feet and from 126 to 127 feet. Till	94	129
Sand, water-laid, and silty clay till	9	138
Cretaceous--Pierre shale:		
Siltstone, black	2	140
Well 116-63-29aaaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.8 feet.		
Pleistocene deposits:		
Silt and clay, oxidized; sandy from 7 to 8 feet. Lake deposit	13	13
Silt, sandy, clayey, water-laid in part. Till	10	23
Sand and gravel, silty and clayey, poorly sorted. Till(?)	4.7	27.7
Clay, silty in part, unoxidized; sandy from 39 to 39.5 feet. Till	15.3	43
Silt, sandy and clayey	8	51
Clay, silty; sandy from 51.5 to 52.6 feet. Till	6	57
Cretaceous--Pierre shale:		
Shale, bentonitic, black	1	58
Siltstone, calcareous, gray	5	63

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-63-30aaaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.3 feet.		
Recent and Pleistocene deposits:		
Silt, clayey, oxidized, water-laid; sandy from 8 to 15 feet	20	20
Silt, clayey, water-laid in part. Till	5	25
Clay, silty, very sandy in part; water-laid from 28 to 29 feet. Till	5	30
Sand, silty, clayey. Till	2	32
Clay, silty, unoxidized; very silty and sandy from 40 to 43 feet and from 45 to 52.5 feet. Till.	26.5	58.5
Sand, fine, and clayey silt, water-laid	1.5	60
Clay, silty; contains numerous beds of water-laid silt and fine sand. Till	5	65
Cretaceous--Pierre shale:		
Siltstone; bentonitic from 65 to 67 feet	6	71
Well 116-63-36ddddl. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.5 feet.		
Recent and Pleistocene deposits:		
Sand, very fine, brown	0.7	0.7
Sand, very fine, yellow grayish-brown	12.3	13
Clay, sandy, mottled yellow grayish-brown	3	16
Sand, reddish-brown	1	17
Sand, fine, reddish-brown	7	24
(?)	3.7	27.7

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-64-4adl. Drilled by Norbeck Co. for State Home, Redfield, S. Dak. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits:		
Soil and sandy, yellow clay	6	6
Sand and gravel	9	15
Clay, yellow	52	67
Cretaceous rocks:		
Pierre (shale), Niobrara (formation), and Carlile (shale):		
Shale, gray	406	473
Greenhorn limestone ("cap rock")	23	496
Graneros shale:		
Shale, gray	87	583
Shale, gray; contains several hard strata	180.3	763.3
Shale	99.7	863
Dakota sandstone:		
Sandstone	12	875
Sandstone, hard	1	876
Sandstone	5	881
Shale, sandy	17	898
Sandstone (artesian flow)	22	920
Sand, hard	1	921
Sandstone	15	936
Shale, sandy	9	945
Sandstone	5	950
Shale	10	960
Sandstone, hard	2	962
Shale	5	967
Sand (artesian flow)	6	973
Shale	9	982
Sandstone (artesian flow)	38	1,020
Shale	15	1,035
Sand	6	1,041
Shale	8	1,049
Precambrian rocks:		
Granite	1	1,050

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-64-19dddd1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,306.1 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, oxidized, clayey, sandy, water-laid; contains some 6-inch beds of clayey silt. Till	7.5	9.5
Silt, clayey. Till	5.5	15
(?)	2	17
Sand, poorly sorted, silty, clayey	3	20
Silt, clayey, and silty clay, unoxidized; carbonaceous from 35 to 36 feet, very sandy from 36 to 37 feet; contains water-laid silt and clay with fine sand from 32.5 to 33.5 feet. Till	17	37
Sand, fine, silty, and clayey, laminated	6	43
Silt, sandy, clayey; contains thin beds of water-laid clay, silt, and sand. Till	7.5	50.5
Cretaceous--Pierre(?) shale:		
Clay, hard, silty, black. Possibly not in place	.5	51

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-64-20ddddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,302.9 feet.		
Resent and Pleistocene deposits:		
Soil	3	3
Silt, sandy and clayey, water-laid	7	10
Silt, sandy and clayey, oxidized. Till	5	15
Silt, sandy and clayey, unoxidized; contains water-laid silt and clay from 22 to 23 feet and fragments of shale from 49 to 50 feet. Till	41	56
Sand, fine, and clayey silt, laminated	7	63
Clay, silty; sandy from 69.5 to 78 feet; contains water-laid silt and sand at 65 feet and from 67.5 to 69.5 feet, also water-laid silt and clay from 72.5 to 73 feet. Till	15	78
(?) (Driller reported clay.)	2	80
Clay, silty and sandy; contains numerous layers of silt and sand. Till	10	90
Sand, fine to medium-grained, silty	10	100
Silt, sandy and clayey. Till	8	108
Silt and sand, water-laid	2	110
Clay, silty. Till	8	118
(?) (Driller reported blue clay.)	5	123
Silt, clayey. Till	4	127
Cretaceous--Pierre (?) shale:		
Clay, silty, light-gray. Probably weathered shale	.7	127.7
Siltstone, black; contains marcasite	5.3	133

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 116-64-26aaaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,296.6 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, oxidized, water-laid	6	9
Sand, silty, clayey; oxidized to 10 feet. Till	4	13
Sand, fine, silty and clayey, water-laid; unoxidized from 13 to 13.5 feet	2	15
Clay, silty, unoxidized; contains some stringers of sand. Till	4	19
Sand, fine, and silt, clayey	1	20
Sand, poorly sorted, silty, oxidized	1.5	21.5
Silt, sandy, clayey, unoxidized; carbonaceous from 22 to 23 feet. Till	1.5	23
Sand, poorly sorted, very silty, clayey	2	25
Sand, poorly sorted, silty, clayey, and pebbly	26	51
Clay, silty; contains water-laid silt and clay at 64 feet, silt, clay, and fine sand from 70 to 73 feet, and a few thin beds of water-laid silt and clay from 109 to 110 feet and from 119 to 120 feet. Till	70	121
Cretaceous--Pierre shale:		
Shale, gray to black, hard	4	125
Well 117-60-31ccl. Drilled for Chicago and North Western Railway. Estimated land-surface altitude, 1,350 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
Loam, black	4	4
Loam, sandy clay	20	24
Loam, yellow clay	60	84
Clay, blue	416	500

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 117-61-6cbbb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.9 feet. Cased to depth of 38.9 feet.		
Recent and Pleistocene deposits:		
Soil.....	3	3
Silt, clayey, calcareous, light yellowish-brown, varved. Lake deposit.....	3.5	6.5
Silt, slightly clayey, medium yellowish-brown, varved. Lake deposit.....	14.5	21
Sand, lignitic, calcareous, medium yellowish-brown and medium-gray; oxidized to 24 feet, partly oxidized to 85 feet; contains layers of clay from 34 to 34.5 feet and at 38 feet, and is lignitic from 37.5 to 38 feet, 47 to 48 feet, 54 to 54.5 feet, and 58 to 62 feet; contains coarse sand from 61 to 63 feet, 65 to 68 feet, and 70 to 85 feet.....	64	85
Cretaceous--Pierre shale:		
Clay, noncalcareous, black to bluish-gray; shaly cleavage; weathered at top.....	5	90

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 117-61-13bbaal. Drilled by F. Schultz for Mrs. F. Rainford. Estimated land-surface altitude, 1,319 feet.		
Recent and Pleistocene deposits:		
Glacial deposits	15	15
Cretaceous rocks:		
Pierre shale	208	223
Niobrara formation	68	291
Carlile shale	235	526
Greenhorn limestone	17	543
Graneros shale	324	867
Dakota sandstone	14	881
Fuson ~~shale~~ member of the Lakota formation	17	898
Lakota ~~sandstone~~ formation	163	1,061
Well 117-62-1bc2. Drilled by A. Larson for E. Ragatz. Estimated land-surface altitude, 1,305 feet. Cased to depth of 86.0 feet.		
Recent and Pleistocene deposits:		
(?)	70	70
Sand	20	90
Test hole 117-62-5daaal. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,285 feet.		
Recent and Pleistocene deposits:		
Clay, silty, brown and yellow. Lake deposit	16	16
Clay, very sandy, oxidized; contains several streaks of water-laid, clayey sand. Till	9	25
Sand, very fine to medium-fine, slightly silty and clayey, light grayish-brown, water-laid	2.5	27.5
Cretaceous--Pierre(?) shale:		
Shale, slightly calcareous, medium to dark-gray, fragmented	7.5	35

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 117-62-6cccc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,293.8 feet.		
Recent and Pleistocene deposits:		
Soil	1.5	1.5
Clay, silty, and clayey silt, oxidized. Lake deposit	1.5	3
Clay, silty. Till	2	5
Cretaceous--Pierre shale:		
Shale; contains selenite, aragonite, bentonite, and iron and manganese concretions; fragmented to about 7 feet	15	20
Well 117-62-13badal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,292.7 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay and silt. Lake deposit	3	5
Silt, clayey, sandy. Lake deposit	6.5	11.5
Silt, sandy, clayey. Till	3.5	15
Sand, medium-grained to coarse, clayey, very lignitic	1	16
Sand, silty, clayey, and bouldery, poorly sorted	14	30
Sand, medium-grained to coarse, silty, and clayey, very lignitic	5	35
Sand, fine to medium-grained, slightly silty, and clayey; coarse sand from 39 to 40.5 feet	7.5	42.5
Clay, sandy; very sandy from 45 to 47 feet and from 48 to 49.5 feet; contains thin beds of clay. Till	7.5	50
Sand, medium-grained, slightly silty, clayey, and gravelly; silty and clayey from 59 to 60 feet	15	65
(?) (Driller reported cobbles.)	3	68
Cretaceous--Pierre shale:		
Shale, light-gray; contains micaceous bentonite	5	73

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 117-62-18aaaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.5 feet.		
Recent and Pleistocene deposits:		
Silt, clayey; contains very fine sand; calcareous from 13 to 14 feet, laminated in part. Lake deposit	14.5	14.5
Silt, sandy and clayey, very sandy in part; contains water-laid silt and clay from 15 to 15.5 feet. Till	8.5	23
Sand, fine, silty, water-laid	2	25
Silt, sandy and clayey. Till	5	30
Sand, poorly sorted, silty; clayey in part	5	35
(?) (Driller reported cobbles)	1	36
Cretaceous--Pierre shale:		
Shale, dark-gray; bentonitic from 41 to 41.5 feet	13	49
Test hole 117-62-19dddd2. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, clayey, calcareous, medium yellowish-brown, varved; clayey from 8 to 9.5 feet. Lake deposit	13.5	16.5
Clay, silty and sandy, calcareous, dark yellowish-brown; organic in part; contains coarse pebbly sand at base. Lake deposit and outwash	4	20.5
Cretaceous--Pierre shale:		
Clay, weathered, calcareous, mottled-gray and yellowish-brown, shaly cleavage	1.5	22

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 117-62-31dddal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,298.7 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, pale yellowish-brown, massive, friable. Lake deposit	3.5	5.5
Clay, silty, medium yellowish-brown, varved. Lake deposit	5.5	11
Sand, very fine, silty and slightly clayey, pale yellowish-brown, thinly laminated. Lake deposit	3	14
Clay, silty, dark yellowish-brown, massive. Lake deposit	2	16
Sand, fine, silty and slightly pebbly, medium yellowish-brown. Glacial outwash	1	17
Clay, very silty and sandy, medium grayish-brown. Glacial outwash	.5	17.5
Cretaceous--Pierre shale:		
Clay, weathered, brown to black, shaly cleavage	3.5	21
Well 117-62-32aabal. Drilled by A. Larson for A. Ruschenberg. Estimated land-surface altitude, 1,297 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	319	319
"Hard shell"	.6	319.6
(?)	163.4	483
Greenhorn limestone ("cap rock")	32	515
(?)	385	900
Sand	60	960
(?)	3	963

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 117-62-33dcccl. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,296 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, slightly clayey, calcareous, medium yellowish-brown, varved. Lake deposit	11.5	14.5
Sand, silty, clayey, calcareous, medium yellowish-brown, oxidized. Glacial outwash	10.5	25
Cretaceous--Pierre shale:		
Clay, dark bluish-gray; shaly cleavage	5	30
Well 117-63-20bcccl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,296.4 feet. Cased to depth of 30.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, sandy, silty	26	28
Clay. Till	5	33
Well 117-63-26bbbbl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,292.6 feet.		
Recent and Pleistocene deposits:		
(?)	12	12
Cretaceous--Pierre shale:		
Clay, bentonitic, blue	8	20

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 117-64-4cbddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.6 feet. Cased to depth of 119.0 feet.		
Pleistocene deposits:		
Silt, clayey, and silty clay. Lake deposit.....	5	5
Sand, fine to medium-grained, silty.....	10	15
Clay, silty.....	3.5	18.5
Sand, fine, and silt.....	2.5	21
Clay, silty; oxidized to 25 feet.....	10	31
Clay, silty. Till.....	2.5	33.5
Silt and fine to medium-grained sand, clayey.....	1	34.5
Sand, fine to medium-grained, silty and clayey.....	2	36.5
Silt, clayey, and silty clay. Till.....	1.5	38
Sand, fine to medium-grained, silty and clayey.....	20.5	58.5
Silt, clayey and sandy. Till.....	1.5	60
Sand, medium-grained to coarse, silty.....	3	63
Silt, clayey and sandy. Till.....	2	65
Sand, fine to coarse, very silty in part.....	3.5	68.5
Sand, medium-grained, gravelly, very silty and clayey.....	1.5	70
(?) (Driller reported sand and cobbles.).....	5	75
Sand, fine, silty, clayey, and gravelly.....	5	80
Sand, poorly sorted, silty and clayey.....	5	85
Sand, fine to medium-grained, and silt; contains thin beds of clay.....	5	90
(?) (Driller reported sand and cobbles.).....	5	95
Sand, fine to medium-grained, very silty and clayey.....	4	99
Sand, poorly sorted, very silty and clayey.....	1	100
(?) (Driller reported sand and cobbles.).....	5	105
Sand and gravel, poorly sorted, silty and slightly clayey.....	7	112
Clay, silty and gravelly. Till.....	1	113
(?) (Driller reported sand and cobbles; clay at 118 feet.).....	7	120
Clay, silty. Till.....	9	129
Clay and silt, water-laid.....	1	130
Clay and fragments of shale.....	3	133
Cretaceous--Pierre shale:		
Shale, calcareous, dark brownish-gray.....	7	140

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 117-64-27aabal. Drilled by U. S. Bureau of Reclamation. ~~Estimated~~ land-surface altitude, 1,293.1 feet.		
Recent and Pleistocene deposits:		
Soil	4	4
Clay, calcareous, light-yellow	2	6
Sand, very fine, silty, and calcareous. Loess	4	10
Silt, calcareous, yellow; slightly sandy at top. Loess	10	20
Sand, medium-grained to coarse, calcareous	5	25
Clay, calcareous, dark-gray	.5	25.5
Clay, calcareous, gray; sandy from 25.5 to 27 feet. Till	2.5	28
Sand, clayey, calcareous, brown	2	30
Silt, calcareous, light-gray	.5	30.5
Clay, slightly sandy and gravelly, dark-gray. Till	4	34.5
Cretaceous--Pierre shale:		
Shale	7.2	41.7
Well 117-64-32ddddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,298.9 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, clayey. Till	2	5
Sand, silty. Till	9.5	14.5
Silt, sandy; clayey from 17 to 33 feet, oxidized to 17 feet. Till	18.5	33
Gravel and silt, cemented. Possibly an old soil zone	2	35
Silt, sandy. Till	1	36
Silt, clayey. Till	2	38
Cretaceous--Pierre shale:		
Shale, green	2	40

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 117-64-35dddd1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,285.5 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt; clayey from 5 to 7 feet. Till	5	7
Sand, silty. Till	10	17
Cretaceous--Pierre shale:		
Siltstone, gray; iron stains from 17 to 19 feet	7	24
Test hole 118-61-4aaaa1. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt, clayey, gypsiferous, calcareous, light grayish-yellow, varved. Lake deposit	2	3
Silt, sandy, slightly clayey, calcareous, medium yellowish-brown, varved; sandy below 13 feet. Lake deposit	19	22
Clay, silty, slightly calcareous, dark brownish-gray; shaly cleavage. Lake deposit	10	32
Clay, silty, sandy, calcareous, medium-gray, massive. Till	2	34
Cretaceous--Pierre shale:		
Clay, noncalcareous, dark-gray; shaly cleavage	6	40
Well 118-61-9cccc1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,295.5 feet.		
Recent and Pleistocene deposits:		
Soil	4	4
Clay, slightly silty, yellow, varved	14	18
Clay, silty, blue	4	22
Clay, blue. Till	2	24

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 118-62-1aaabl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,298.6 feet. Cased to depth of 40.3 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, clayey, calcareous, light to medium yellowish-brown, varved; highly calcareous from 3 to 5 feet and sandy from 8 to 9 feet. Lake deposit	26	29
Sand, silty, slightly clayey, calcareous, medium-gray, unoxidized, thin-bedded. Lake deposit	2	31
Clay, silty, sandy, and pebbly, medium-gray; sandy and lignitic from 102 to 110 feet. Till	89	120
Cretaceous--Pierre shale:		
Clay, pyritic, nearly black; shaly cleavage	5	125
Well 118-62-8bbbbl. Drilled by A. Larson for G. Sievers. Estimated land-surface altitude, 1,305 feet.		
Recent and Pleistocene deposits:		
Clay, yellow; contains streaks of sand from 22 to 30 feet and gravel from 35 to 40 feet	40	40
Clay, blue; possibly interbedded with "good" sand	10	50
Sand, "good"; coarse sand from 55 to 60 feet	10	60
Sand, fine to coarse	15	75
Clay	5.2	80.2
Well 118-62-9ddddl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,294.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, yellow	18	20
Clay, blue, unoxidized	2	22

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 118-62-19daadl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,287.1 feet. Cased to depth of 34.5 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay, very silty, slightly sandy, yellow and brown, mottled with gray; laminated from 4 to 5 feet; marly below 15 feet. Lake deposit	17	18
Clay, medium to dark-brown	3	21
Silt and clay, highly calcareous, brownish-yellow; contains very fine to fine sand. Lake deposit	4	25
Sand, very fine to medium-grained, poorly sorted, slightly gravelly; grayish-brown to 39 feet and gray below 39 feet; lignitic from 40 to 50 feet. Water-laid glacial outwash	33	58
Cretaceous--Pierre shale:		
Shale, bentonitic, black	2	60
Test hole 118-62-31aaaal. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,305 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, slightly sandy, calcareous, medium yellowish-brown, varved; contains clay and pebbles at base of unit. Lake deposit	15	18
Cretaceous--Pierre shale:		
Shale, noncalcareous, very dark-gray	1	19

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 118-62-35bbbb1. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,305 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, calcareous, light yellowish-brown to yellowish-gray; contains very fine sand to 2.5 feet, highly calcareous below 15 feet. Lake deposit	17.5	19.5
Clay, silty, sandy, and gravelly; sandy from 42 to 43 feet and from 45 to 65 feet. Till	45.5	65
Cretaceous--Pierre shale:		
Shale, bentonitic, dark bluish-gray	5	70
Well 118-63-1cdddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,297.1 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, calcareous, varved; oxidized to 16 feet; medium yellowish-brown to 16 feet and medium-gray below 16 feet; highly calcareous below 24 feet. Lake deposit	25.5	27.5
Silt, sandy, clayey, calcareous, medium-gray; very sandy at 29 feet. Glacial outwash	2	29.5
Clay, silty, sandy, and gravelly, calcareous, dark-gray; very sandy from 32 to 33 feet; large limestone boulder between 33 and 38 feet. Glacial outwash and till	10.5	40

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 118-63-3aaaal. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, calcareous, slightly clayey, varved; unoxidized below 21 feet; light yellowish-brown to 21 feet and light-gray below 21 feet. Lake deposit	41	43
Clay, silty, sandy, and gravelly, poorly sorted, calcareous, dark-gray, massive; very sandy from 47 to 110 feet. Till and outwash	70	113
Cretaceous--Pierre shale:		
Clay, dark-gray; shaly cleavage	4	117
Well 118-63-16aaaal. Jetted by U. S. Geological Survey. Land-surface altitude, 1,296.6 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, yellow	3	5
Silt, yellow; slightly sandy below 15 feet	15	20
Silt, clayey, gray, unoxidized	4	24
Silt, clayey, blue	2	26
Clay, blue	4	30
Cretaceous--Pierre shale:		
Shale	1	31

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 118-63-28bbbb1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,296.0 feet.		
Recent and Pleistocene deposits:		
Soil	1.5	1.5
Silt and clay, sandy, laminated, oxidized. Lake deposit	25.5	27
Clay, silty, unoxidized. Lake deposit	3	30
Clay, silty, oxidized. Lake deposit	5	35
Clay, silty, unoxidized; contains many fragments of shale. Till	4	39
Clay, silty; pebbly from 67 to 67.5 feet. Probably till but possibly water-laid in part	28.5	67.5
Clay and silt, water-laid; contains thin beds of fine sand	27.5	95
Clay and silt, water-laid	6	101
Silt and clay, interbedded with fine sand, water-laid	14	115
Clay, silty; sandy in part from 123 to 128 feet and from 140 to 142 feet. Till	29.5	144.5
Cretaceous--Pierre shale:		
Shale, noncalcareous, black	3.5	148
Well 118-63-32bccd1. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, slightly clayey, calcareous, varved; light yellowish-brown; oxidized to 27 feet; contains organic material at 28 feet. Lake deposit	30.5	33.5
Cretaceous--Pierre shale:		
Shale, noncalcareous, dark bluish-gray	1.5	35

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 118-63-35bbbb1. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,310 feet.		
Recent and Pleistocene deposits:		
Soil	3.5	3.5
Silt, slightly clayey, calcareous, light yellowish-brown, varved. Lake deposit	13	16.5
Silt, clayey, calcareous, yellowish-brown, varved. Lake deposit	4.5	21
Silt, clayey and very sandy, medium-gray. Glacial outwash	5	26
Cretaceous--Pierre shale:		
Shale, dark-gray; brown and yellow stains	2	28
Well 118-64-7cccc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,286.8 feet.		
Recent and Pleistocene deposits:		
Soil	2.5	2.5
Silt, sandy, clayey, water-laid. Lake deposit	2.5	5
Clay, silty, water-laid, oxidized. Lake deposit	3	8
Silt, sandy and clayey, water-laid. Lake deposit	1	9
Clay, silty, and clayey silt, water-laid. Lake deposit	21.5	30.5
Silt, clayey, mottled, partly oxidized; fine sand from 40 to 40.5 feet; sandy at 42.5 feet. Till	12.5	43
Silt, clayey, and silty clay, unoxidized; contains water-laid clay and silt from 43.5 to 44.5 feet and from 45 to 45.5 feet, pebbly and sandy silt from 47 to 48 feet, and clay from 49 to 51.5 feet. Till	8.5	51.5
Cretaceous--Pierre shale:		
Shale, bentonitic, black	1.5	53

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 118-64-8ccccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,284.1 feet.		
Pleistocene deposits:		
Silt, clayey, and silty clay, water-laid, oxidized; sandy at 13 feet. Lake deposit.....	14	14
Silt, clayey; contains small pebbles. Till.....	1	15
Clay, silty, water-laid. Lake deposit.....	4.5	19.5
Silt, clayey, and silty clay; very pebbly at 24 feet, sandy and pebbly from 26 to 27 feet; contains water-laid sand and silt from 29 to 30 feet. Till.....	11	30.5
Sand, silty, clayey, water-laid; till layer at 31 feet.....	2.5	33
Clay, slightly silty, unoxidized. Till.....	2.5	35.5
Cretaceous--Pierre shale:		
Siltstone, black; contains aragonite, bentonite, and limonite.....	7.5	43
Well 118-64-8dcccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,287.2 feet.		
Recent and Pleistocene deposits:		
Soil.....	2	2
Silt, clayey, calcareous, yellowish-brown, massive; contains a little clay below 4 feet. Wind deposit.....	4	6
Silt, slightly clayey, calcareous, yellowish-brown. Lake deposit.....	4.2	10.2
Clay, silty, calcareous, olive-brown, fissile; contains a little sand and gravel. Till.....	5.8	16
Clay, silty, calcareous, organic in part, light-gray to dark-brown, laminated in part. Wind and lake deposit.....	12	28
Clay, silty, sandy, and pebbly, calcareous, bluish-gray, massive; oxidized to 30 feet. Till.....	7	35
Cretaceous--Pierre shale:		
Shale, calcareous, fossiliferous, dark-gray.....	6.8	41.8

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 118-64-9dddd1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,291.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, and clayey silt, water-laid, oxidized. Lake deposit	15.5	17.5
Silt, clayey. Till	1	18.5
Silt and clay, sandy, water-laid	1.5	20
Silt, sandy, clayey in part. Till	11	31
Silt, clayey, unoxidized; sandy from 46 to 47 feet. Till	21	52
Clay, silty in part; contains many fragments of shale. Till	5	57
Cretaceous--Pierre shale:		
Shale, black	1	58
Well 118-64-11bcccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,293.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, calcareous, yellowish-gray, massive to poorly bedded; silt from 7 to 7.2 feet. Wind or water deposit	5.5	7.5
Silt, slightly clayey in part, yellowish-brown; laminated below 19 feet. Wind and water deposit	17	24.5
Clay, silty, slightly sandy, brownish-gray, massive; gravelly below 35 feet. Till	11	35.5
Cretaceous--Pierre shale:		
Clay, bentonitic, shaly cleavage; biotitic sand from 38 to 39 feet	4.8	40.3

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 118-64-12ddddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,284.8 feet.		
Pleistocene deposits:		
Sand, fine, and silt, water-laid, oxidized. Lake deposit	7	7
Silt, clayey, and silty clay; oxidized to 15 feet. Lake deposit	30	37
Sand, poorly sorted, and fine gravel	1	38
Cretaceous--Pierre shale:		
Shale, bentonitic, black; contains aragonite; fragmented to about 40 feet	7	45
Well 118-64-13bbbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,296.3 feet.		
Pleistocene deposits:		
Silt; contains very fine sand and is clayey in part; oxidized. Lake deposit	15	15
Silt, clayey; oxidized to 20.5 feet. Lake deposit	10	25
Clay, silty. Lake deposit	8	33
Clay, silty, water-laid in part. Till	1.5	34.5
Sand, poorly sorted; contains fine gravel	1	35.5
Silt, clayey and sandy; very sandy at 39.5 feet. Till	4.5	40
Silt and clay, water-laid	4	44
Silt, clayey. Till	1	45

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 118-64-21dbl. H. Terry. Estimated land-surface altitude, 1,273 feet.		
Recent and Pleistocene deposits:		
Clay, gray	23	23
Sand and gravel	16	39
Clay, sandy	6	45
Gravel and boulders	6	51
Sand	24	75
Well 118-64-27adddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,291.2 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, calcareous, light-yellow, massive. Loess	3.5	5.5
Silt, fine, yellow and white, laminated; clayey from 19 to 25 feet. Loess(?)	19.5	25
Silt, clayey, sandy, and gravelly, calcareous, brown, oxidized. Till	9.5	34.5
Cretaceous--Pierre shale:		
Shale	10.5	45

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 118-64-34bcdd2. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,288.0 feet.		
Pleistocene deposits:		
Silt and clay. Lake deposit	9	9
Silt and fine to medium-grained sand; contains some clay below 10 feet. Lake deposit	5	14
Clay, silty, oxidized, grayish-brown. Till	11	25
Sand, fine to medium-grained, and some silt; contains water-laid silt and clay from 29 to 29.5 feet	5	30
Sand and gravel, poorly sorted, silty and clayey; contains a little silt and clay below 35 feet	7.5	37.5
Clay, silty, and clayey silt, unoxidized. Till	2	39.5
Sand and gravel, poorly sorted; contains clay from 39.5 to 40 feet	4.5	44
Silt and clay, carbonaceous; contains much fine to medium-grained sand	1	45
Sand, fine to medium-grained, silty and clayey	1	46
Sand, fine to medium-grained; contains some boulders	4	50
Silt and fine to medium-grained sand, clayey	2	52
Coal fragments and fine to medium-grained sand, silty; contains a little clay	3	55
Silt, clay, fine sand, and scattered cobbles; contains much clay from 72 to 72.5 feet and sandy silt from 72.5 to 73.5 feet	18.5	73.5
Clay, silty; sandy in part. Till	6.5	80
(?) (Driller reported clay and boulders.)	3	83
Cretaceous--Pierre shale:		
Shale, calcareous, black; contains fossil fish scales and much marcasite	7	90

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 118-64-35adb1. Drilled by Norbeck Co. for Chicago, Milwaukee, St. Paul and Pacific Railroad. Estimated land-surface altitude, 1,290 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
Soil	2	2
Clay, yellow	40	42
Clay, blue	139	181
Clay, sandy	24	205
Shale, dark-gray	247	452
Shale, dark-gray; contains thin hard "shells"	393	845
Sandstone	3	848
Sandstone and light-gray shale	11	859
Shale, light-gray; contains streaks of sand	10	869
Shale, light-gray	9	878
Sandstone	20	898
Shale, light-gray	47	945
Sandstone	3	948
Shale, light-gray	18	966
Sandstone	36	1,002

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 119-61-2abbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.4 feet. Cased to depth of 40.5 feet.		
Recent and Pleistocene deposits:		
Soil	1.5	1.5
Clay, silty; medium-gray to 3 feet and brown from 3 to 4 feet. Lake deposit	2.5	4
Clay, silty, light-yellow and mottled, massive. Lake deposit	3.5	7.5
Silt and clay, light-yellow and brownish-yellow, varved. Lake deposit	8.5	16
Clay, silty, very fine sandy, light to medium brownish-yellow, massive. Lake deposit	2	18
Clay, interbedded with silt and very fine sand, dark-brown, lignitic. Lake deposit	1	19
Sand, very fine to fine, silty, light yellowish-brown. Lake deposit	1	20
Clay, silty and slightly sandy, unoxidized, light to medium bluish-gray; massive to 21 feet, varved below. Lake deposit	3	23
Sand, gravelly and silty, oxidized, grayish-brown. Lake deposit(?)	2	25
Clay, unoxidized; contains streaks of sand and gravel. Till	13	38
Sand, gravelly and silty, medium-gray, water-laid	2	40
Sand, silty and clayey, medium-gray, water-laid	5	45
Cretaceous--Pierre shale:		
Shale, bentonitic, medium-gray to black	5	50

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 119-61-6aaadl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.4 feet.		
Recent and Pleistocene deposits:		
Soil	0.6	0.6
Silt, slightly clayey, calcareous, light yellowish-brown and medium-gray, varved; contains till from 30 to 31 feet; oxidized to 15.5 feet. Lake deposit	34.4	35
Clay, sandy, silty, and gravelly, calcareous, dark-gray. Till	13	48
Sand, silty and slightly clayey, calcareous, medium-gray and yellowish-brown; contains a little gravel; oxidized and friable from 55 to 63.5 feet. Glacial outwash	15.5	63.5
Cretaceous--Pierre shale:		
Clay, calcareous, medium-gray; shaly cleavage	1.5	65
Well 119-61-22bbbbl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,293.5 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty; oxidized to 18 feet	27	29
Clay. Till	1	30
Well 119-61-33adl. H. Thomas. Estimated land-surface altitude, 1,300 feet. Log obtained from owner; presumably based on an electric log made by the South Dakota Geological Survey.		
Pleistocene deposits:		
Till	45	45
Cretaceous rocks:		
Pierre shale	148	193
Niobrara formation	70	263
Carlile shale	243	506
Greenhorn limestone	57	563
Graneros shale	301	864
Dakota sandstone, Fuson shale, and Lakota sandstone	156	1,020
(?)	30	1,050

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 119-62-3aaaal. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,299 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, calcareous, varved; oxidized to 25 feet; medium-gray and highly calcareous below 25 feet. Lake deposit	29	31
Silt, clayey and sandy, calcareous, medium-gray, varved. Lake deposit	8	39
Clay, silty, sandy, and gravelly, calcareous, medium- to dark-gray. Till	35.5	74.5
Cretaceous--Pierre shale:		
Clay, bentonitic, black; shaly cleavage	5.5	80
Well 119-62-6baaal. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,298.7 feet. Cased to depth of 25.9 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, slightly clayey, calcareous, varved; unoxidized and medium-gray below 20.6 feet; shaly cleavage from 46 to 51 feet. Lake deposit	49	51
Clay, silty, sandy, and gravelly, dark-gray; contains thin lenses of sand at 61 feet, 99 feet, 131 feet, and 134 feet. Till	139	190
Cretaceous--Pierre shale:		
Claystone, calcareous, bluish-black; contains microfossils and pyrite replacements at 191 feet...	5	195
Well 119-62-10ddddl. Jetted by U. S. Geological Survey. Land-surface altitude, 1,286.4 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay, silty, pale-yellow	2	3
Silt, sandy, yellow	13	16
Clay, silty, blue, unoxidized	6	22
Lignite, sandy, black and blue	4	26

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 119-62-13dddd2. Jetted by U. S. Geological Survey. Land-surface altitude, 1,298.4 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay	2	3
Clay, silty, yellow	2	5
Silt, clayey, yellow; very silty and sandy at 16 feet	15	20
Clay, blue; contains a very little silt	8	28
Clay, sandy and gravelly, blue. Till	6	34
Well 119-62-27dddd1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,297.6 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, yellow, oxidized	18	20
Clay, blue, unoxidized	18	38
Clay, sandy. Till	2	40
Cretaceous--Pierre shale:		
Shale	1.8	41.8
Well 119-62-29bbbb1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,295.1 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay; sandy to 1.7 feet	3.5	4.5
Silt	7.5	12
Clay, varved	2	14
Silt, clayey, varved	2	16
Clay, varved; slightly silty below 18 feet	3.4	19.4

Table C.---Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 119-62-31ddddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,292.3 feet.		
Recent and Pleistocene deposits:		
Soil	2.5	2.5
Silt, clayey, very calcareous, light yellowish-brown, varved. Lake deposit	2.5	5
Silt, sandy, slightly clayey, calcareous, medium yellowish-brown, varved; very sandy from 11 to 12 feet; contains small pebbles and streaks of organic material from 21 to 24 feet. Lake deposit	19	24
Clay, silty, sandy, and gravelly, calcareous, dark-gray, unoxidized. Till	91	115
Clay, silty and slightly sandy, calcareous, dark-gray, thinly laminated; very sandy from 120 to 121 feet. Weathered shale(?)	25	140
Test hole 119-62-34ccccl. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,300 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, very sandy and slightly clayey, mottled-gray and reddish-brown, banded. Lake deposit	7.5	10.5
Silt, slightly clayey, highly calcareous, mottled, varved. Lake deposit	10	20.5
Silt, very sandy, calcareous, light yellowish-brown, varved. Lake deposit	1.5	22
Silt, clayey, dark brownish-gray, varved; contains sand lenses at 22 and 23.5 feet; unoxidized below 24 feet; shaly cleavage. Lake deposit	3	25
Clay, silty, sandy, and gravelly, calcareous, dark-gray, massive; contains sand and much organic material (lignite?) from 31.5 to 34.5 feet. Till	19	44
Sand, gravelly, calcareous, medium-gray; contains many thin lenses of clay. Glacial outwash	44	88
Clay, silty, sandy, and gravelly, dark-gray, massive; very gravelly from 115 to 118 feet. Till	77	165
Cretaceous--Pierre shale:		
Clay, black; shaly cleavage	5	170

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 119-63-4baaal. Jetted by U. S. Geological Survey. Land-surface altitude, 1,298.6 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, yellow, oxidized	5	7
Silt, yellow	12	19
Clay, silty; blue and unoxidized below 26 feet	13	32
Well 119-63-11bbbb1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,293.8 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Silt, yellow, oxidized	17	20
Clay, gray	5	25
Clay, blue	7	32
Well 119-63-23cccd1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,297.6 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, yellow, oxidized	20	22
Clay, blue, unoxidized	6	28

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 119-64-3aaadl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.3 feet. Cased to depth of 43.8 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, calcareous, yellowish-brown, massive to laminated. Lake deposit	5	7
Silt, very slightly clayey, calcareous, yellowish-brown, laminated; unoxidized below 22 feet, very clayey from 35 to 45 feet (possibly till in part), sandy till or outwash below 49.5 feet. Lake deposit	43	50
Cretaceous-Pierre(?) shale:		
Shale, very bentonitic, gray	10	60
Well 119-64-3bbbbl. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,292.2 feet.		
Recent and Pleistocene deposits:		
Soil	0.9	0.9
Clay, yellowish gray-brown	4.1	5
Silt, mottled yellowish gray-brown. Till	13	18
Clay, sandy, mottled yellowish gray-brown. Till	4	22
Clay, silty, mottled. Till	1	23
Clay, silty, slate-gray. Till	1	24
Well 119-64-27abbbl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.4 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, silty, calcareous, yellowish-brown, massive. Wind and lake deposit	5	8
Silt, slightly clayey, calcareous, yellowish-brown, laminated to massive; nearly pure silt from 35 to 44 feet; unoxidized and gray below 20 feet	36	44
Clay, silty, sandy, and gravelly, calcareous, bluish-gray, massive. Till	1	45
Cretaceous--Pierre shale:		
Shale, dark-gray	10	55

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-61-18ddcc1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,296.3 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, yellow, oxidized	4	6
Silt, yellow	11	17
Silt, clayey, blue, unoxidized	4	21
Clay, blue	1	22
Well 120-61-28aaaa1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,298.1 feet. Cased to depth of 18.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, yellow, oxidized	9	11
Silt, clayey; unoxidized and blue below 17 feet	8	19
Clay, blue	2	21
Well 120-62-6aaab1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.8 feet. Cased to depth of 38.6 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay, silty, calcareous, light brownish-gray, varved. Lake deposit	4	5
Silt, slightly clayey, calcareous, light-tan, varved; unoxidized and light-gray below 25 feet. Lake deposit	28	33
Clay, silty, highly calcareous, light- to medium-gray, varved. Lake deposit	27	60
Clay, silty, calcareous, medium brownish-gray, fragmented, shaly cleavage. Lake deposit	10	70
Cretaceous--Pierre shale:		
Clay, dark-gray, shaly cleavage	5	75

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-62-17cccc1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,285.9 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, silty; yellow and oxidized to 19 feet	18	21
Clay, blue	2	23
Well 120-62-23bbbc1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,300.5 feet.		
Recent and Pleistocene deposits:		
Soil	3	3
Clay, silty	5	8
Silt; yellow and oxidized to 17 feet, blue below 17 feet	11	19
Clay, blue	4	23
Well 120-63-1bb1. Drilled by F. Schultz for O. Dunker. Estimated land-surface altitude, 1,297 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	552	552
Greenhorn limestone ("cap rock") and older Cretaceous rocks	404	956
Well 120-63-4ab1. Drilled by F. Schultz for F. Fishbach. Estimated land-surface altitude, 1,296 feet.		
Recent and Pleistocene deposits and Cretaceous rocks:		
(?)	520	520
Greenhorn limestone ("cap rock") and older Cretaceous rocks	564	1,084

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-63-6bbbb1. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,297.4 feet.		
Recent and Pleistocene deposits:		
Soil	0.9	0.9
Clay, gray, water-laid	1.1	2
Sand, yellowish gray-brown	7	9
Silt, yellowish gray-brown	2	11
Sand, very fine to fine, yellowish gray-brown	12	23
Clay, silty, slate-gray	1	24
Well 120-63-22abbb1. Jetted by U. S. Geological Survey. Land-surface altitude, 1,271.2 feet.		
Recent and Pleistocene deposits:		
Soil and roots	4	4
Clay, silty, yellow, oxidized	7	11
Sand, fine yellow; unoxidized and blue below 18 feet	10	21
Clay, silty, blue	30	51
Well 120-63-28dddd1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,283.8 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey, oxidized, yellow; contains very fine sand from 8 to 9 feet. Lake deposit	13	15
Silt, clayey, and silty clay, light-gray and tan to 17 feet, dark-gray below; contains till from 23 to 24 feet; oxidized to 17 feet. Lake deposit	12	27
Sand, poorly sorted, silty and clayey	2	29
Clay, silty. Till	2	31
Cretaceous--Pierre shale:		
Siltstone, very calcareous in part; contains bentonite and aragonite; fragmented at 32, 36, and 38 feet	9	40

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-63-30cccc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,290.1 feet.		
Recent and Pleistocene deposits:		
Soil	1.5	1.5
Silt and very fine sand, oxidized. Lake deposit	8.5	10
Silt, very fine sandy; clayey in part	9.5	19.5
Clay, silty, and clayey silt, unoxidized; sandy from 22 to 24 feet, from 27 to 35 feet, and from 74 to 75 feet; contains layers of till from 66 to 67 feet and from 71 to 72 feet. Lake deposit	55.5	75
Clay, silty and sandy; very sandy from 76 to 77 feet. Till	7	82
Cretaceous--Pierre shale:		
Shale, marcasitic, black	5	87
Test hole 120-63-30ccdc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.0 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Silt, clayey and sandy, water-laid, oxidized. Lake deposit	27	28
Silt, clayey, and silty clay, unoxidized; contains thin beds of clay from 37 to 38 feet; oxidized from 52.5 to 55 feet. Lake deposit.	27	55
Silt, sandy, clayey, and gravelly, friable. Till	3	58
Silt, sandy and clayey; contains silty clay from 65 to 70.5 feet. Till	13	71
Sand, poorly sorted, water-laid	9	80
Silt, very sandy; contains clay from 85 to 88 feet and sand from 89 to 90 feet. Till	10	90
Cretaceoue--Pierre shale:		
Siltstone, light-gray; fragmented from 90 to 92 feet	5	95

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-63-30cdddl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,299.1 feet. Cased to depth of 46.0 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, silty, calcareous, yellowish-brown, obscurely bedded. Lake and wind deposit	3.2	5.2
Silt, slightly clayey, calcareous, yellowish-brown and mottled, laminated to massive. Lake and wind deposit	18.8	24
Silt, clayey, calcareous, light to dark-gray, laminated; unoxidized below 25 feet. Lake deposit	21	45
Clay, silty, sandy, and gravelly, calcareous, bluish-gray, massive; contains organic material and several thin stringers of sand near base of interval. Till	10	55
Cretaceous--Pierre shale:		
Shale, calcareous, medium- to dark-gray	10	65
Well 120-63-31ccddl. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,296.9 feet.		
Recent and Pleistocene deposits:		
Soil	0.7	0.7
Sand, silty, yellowish gray-brown. Till	6.3	7
Sand, very fine, yellowish gray-brown. Till	10	17
Sand, silty, yellowish gray-brown. Till	7	24

Table C .--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-64-3baabl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,294.5 feet. Cased to depth of 39.1 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay, very silty	6	7
Silt, varved; unoxidized below 19.5 feet. Lake deposit	24	31
Silt, clayey, varved. Lake deposit	4	35
Clay, silty, laminated; contains lenses of sand from 40.5 to 43 feet; sandy from 48 to 55 feet	20	55
Clay, silty, very sandy, and gravelly. Till	32	87
Sand, very fine, silty and slightly clayey. Glacial outwash	8	95
Clay, silty, very sandy, and gravelly. Till	62	157
Cretaceous--Pierre shale:		
Chalk	21	178
Well 120-64-16ddddl. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,293.2 feet.		
Recent and Pleistocene deposits:		
Soil	0.7	0.7
Clay, silty, brown. Till	1.3	2
Clay, silty, yellowish-gray. Till	3	5
Sand, very fine, silty, slightly mottled yellowish gray-brown. Till	10	15
Silt, slightly mottled yellowish gray-brown. Till	4	19
Clay, silty, slate-gray	6.4	25.4

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-64-24aaadl. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,296.3 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Clay, grayish-brown. Till	4	6
Sand, very fine to fine, slightly mottled yellowish gray-brown. Till	17.5	23.5
Clay, silty, slate-gray, stratified	.5	24
Well 120-64-25ccdcl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.0 feet.		
Recent and Pleistocene deposits:		
Soil	2.5	2.5
Silt, clayey, laminated, oxidized; contains fine to very fine sand. Lake deposit	19.5	22
Silt, clayey, and silty clay, laminated, unoxidized; contains some clay beds; less silt below about 36 feet	33	55
Cretaceous--Pierre shale:		
Shale, bentonitic; contains many shells composed of aragonite at 59 feet	15	70
Well 120-64-27ccccl. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,293.9 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey and sandy, oxidized. Lake deposit	17	19
Silt, clayey and silty clay, unoxidized. Lake deposit	28	47
Clay, silty and sandy. Till	5	52
Clay, sandy and silty, water-laid	.5	52.5
Cretaceous--Pierre shale:		
Shale, bentonitic, black; contains some aragonite	10.5	63

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-64-30cccc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,293.8 feet.		
Recent and Pleistocene deposits:		
Clay, silty, water-laid(?), oxidized and leached. Possibly altered till	7	7
Silt, sandy and clayey; contains water-laid silt and clay from 13 to 14 feet. Till	8	15
Clay, silty, water-laid in part; contains a few pebbles. Till	5	20
Clay, silty, and clayey silt, laminated; contains some fine sand; till at 26 feet. Lake deposit	7	27
Clay, silty, and clayey silt, unoxidized. Lake deposit	2	29
Silt, clayey; very sandy from 46 to 47 feet; contains many thin beds of water-laid silt. Till	20.5	49.5
Sand, fine to medium-grained, silty and clayey, water-laid	4.5	54
Clay. Till	.5	54.5
Cretaceous--Pierre shale:		
Siltstone, bentonitic, green in part; fragmented to about 57 or 58 feet	5.5	60

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Test hole 120-65-3bbbbl. Drilled by U. S. Bureau of Reclamation. Estimated land-surface altitude, 1,330 feet.		
Recent and Pleistocene deposits:		
Soil	1	1
Clay, silty, noncalcareous, brown. Till	1.5	2.5
Clay, silty and sandy, calcareous, pale-yellow (white-yellow to 5 feet); sandy from 11 to 13 feet. Till	12.5	15
Sand, fine, silty, yellow, bedded; loess in part	20	35
Sand, fine, unoxidized, bedded in part, gray; lignitic from 43 to 46 feet. Lake deposit(?)	15	50
Clay, gray; gravelly and sandy from 50 to 52 feet; contains thin beds of laminated silty sand at 55 feet. Till	5	55
Sand, coarse, bedded	5	60
Silt, bedded	2	62
Clay, gray. Till	13	75
Silt. Till	5	80
Clay. Till	5	85
Sand, coarse to medium-grained, light-gray	10	95
Gravel, sandy, gray	8	103
Lignite	2	105
Sand, medium-grained to coarse, clayey in part, gray	17	122
Sand, pale yellow-gray. Till	13	135
Sand, very coarse; clayey at 150 feet	20	155
Sand, silty, gray, bedded	12	167
Cretaceous--Pierre shale:		
Shale	8	175
Well 120-65-26bbbbl. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,329.1 feet.		
Recent and Pleistocene deposits:		
Soil	0.7	0.7
Sand, silty, clayey, yellowish gray-brown. Till	10.3	11
Clay, light-brown. Till	2	13
Sand, reddish-brown and gray. Till	11	24
(?)	3	27

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-65-26cccc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,323.5 feet.		
Recent and Pleistocene deposits:		
Soil	2	2
Silt, clayey; contains a few pebbles	2	4
Silt, clayey and sandy, oxidized. Till	4	8
Sand, poorly sorted, silty	1	9
Sand, fine and medium-grained, well-sorted	7	16
Sand and fine gravel, poorly sorted	2	18
Sand, medium-grained and fine, well-sorted; oxidized to 25 feet	12	30
Sand, fine, and silt	8	38
Sand, poorly sorted; contains fine gravel	2	40
Silt, sandy, clayey; water-laid fine sand and silt from 44 to 45 feet, from 71 to 72 feet, from 79 to 82 feet, and at 97 feet; very sandy from 55 to 56.5 feet and from 101 to 112 feet. No sample from 112-114 feet. Coarse gravel from 120 to 121 feet. Till	81	121
Cretaceous--Pierre shale:		
Siltstone, calcareous, light-gray except for thin beds of dark shale	9	130
Well 120-65-29cccc1. Drilled by U. S. Bureau of Reclamation. Land-surface altitude, 1,328.8 feet.		
Recent and Pleistocene deposits:		
Soil	5	5
Clay, silty, oxidized. Till	3	8
Silt, clayey; oxidized to 11 feet. Till	9	17
Sand, fine, and silt, water-laid	3	20
Sand, poorly sorted, silty and clayey; water-laid in part	5	25
Silt and fine sand; water-laid	1	26
Clay, silty. Till	7	33
Sand, poorly sorted, silty and clayey, interlayered with clay; medium-grained to fine sand below 36 feet	37	70
Clay, silty, water-laid; clayey silt below 100 feet	56	126
Gravel	9	135
Cretaceous--Pierre shale:		
Claystone, black (bituminous)	6	141

Table C.--Logs of wells and test holes--Continued

Type of material	Thickness (feet)	Depth (feet)
SPINK COUNTY--Continued		
Well 120-65-36ddddl. Bored by U. S. Bureau of Reclamation. Land-surface altitude, 1,295.0 feet.		
Recent and Pleistocene deposits:		
Soil	0.9	0.9
Clay, dark-gray to light grayish-brown. Till	2.1	3
Sand, silty and clayey, mottled light-brown. Till	2	5
Sand, very fine, silty, mottled reddish-brown. Till	10	15
Clay, silty, slate-gray, and silty, clayey sand, reddish-brown. Till	2	17
Sand, very fine, silty and clayey; dark-brown to 23 feet, slate-gray from 23 to 24 feet. Till	7	24

Table D.--Depth below land surface and altitude above mean sea level of the surface of the Pierre shale

[Estimated altitudes are underscored]

Well or test hole	Altitude of land surface (feet)	Depth to surface of Pierre shale (feet)	Altitude of surface of Pierre shale (feet)
		Brown County	
121-60- 6babal.....	1,303.0	45	1,258.0
-28aal.....	1,358	31.7+	1,326.3-
-61- 5bbaal.....	1,298.7	43	1,255.7
- 7bbl.....	1,298	127+	1,171-
-13bbbbl.....	1,292.4	21+	1,271.4
-16bbbal.....	1,301.7	24+	1,277.7-
-31ddccl.....	1,297.9	45	1,252.9
-35dcccl.....	1,302.0	64	1,238.0
-62- 3abbbl.....	1,300.7	197	1,103.7
-17ddddl.....	1,299.1	42+	1,257.1-
-35ccccl.....	1,299.3	33+	1,266.3-
-63-23bbal.....	1,300.1	36+	1,264.1-
-33aaaal.....	1,303.2	38	1,265.2
-64- 3baaal.....	1,292.9	95	1,197.9
- 3baabl.....	1,294.2	40	1,254.2
-65- 1aaaal.....	1,336.7	256+	1,080.7-
122-61- 1adddl.....	1,290.7	72	1,218.7
-27cdddl.....	1,288.1	24+	1,264.1-
-62- 8babbl.....	1,300.2	90	1,210.2
-22abbal.....	1,300.8	52+	1,248.8-
-31ccccl.....	1,295.0	77.5	1,217.5
-63-33ccccl.....	1,290.5	55	1,235.5
-33daaal.....	1,296.8	75	1,221.8
-34ababl.....	1,299.1	78	1,221.1
-34ddddl.....	1,300.9	87	1,213.9
-64- 5ccddl.....	1,310	164	1,146
-30baaal.....	1,330	243	1,087
-33ccccl.....	1,293.3	54	1,239.3
-36ccdd2.....	1,297.9	70	1,227.9
-36dddd1.....	1,296.1	92.5	1,203.6
123-60- 2abbbl.....	1,299.2	50	1,249.2
- 5cbbbl.....	1,299.3	94.5	1,204.8
- 7cccl.....	1,303.1	85	1,218.1
-61-33ddddl.....	1,296	55	1,241
-62- 5cbccl.....	1,295.7	87	1,208.7
-11cdl.....	1,280	47+	1,233-
-36ddccl.....	1,299.4	107	1,192.4

Table D.--Depth below land surface and altitude above mean sea level of the surface of the Pierre shale--Continued

Well or test hole	Altitude of land surface (feet)	Depth to surface of Pierre shale (feet)	Altitude of surface of Pierre shale (feet)
	Brown County--Continued		
123-63- 7aal.....	1,295	16+	1,279-
- 7aa2.....	1,295	100	1,195
-20dcl.....	1,290	50+	1,240-
-30abbbl.....	1,298.4	83	1,215.4
124-60-10daaal.....	1,303.0	105	1,198.0
-19cbcdl.....	1,305	76	1,229
-61- 2ddl.....	1,294.3	113	1,181.3
- 8bbl.....	1,295.1	96	1,199.1
- 9aaaal.....	1,298.5	100+	1,198.5-
-27ccccl.....	1,300.9	38+	1,262.9-
-31cbbcl.....	1,300.1	105	1,195.1
-62- 8adddl.....	1,304.5	95	1,209.5
-12bbl.....	1,299.9	101.3	1,198.6
-63- 8baaal.....	1,315	120	1,195
-15cbbbl.....	1,304.1	115	1,189.1
-17ccl	1,315	115	1,200
-64-27ccl.....	1,350	85	1,265
125-60- 7abbbl.....	1,295.0	113	1,182.0
-62-35bl.....	1,286	52+	1,234-
126-60-30cc2.....	1,277.9	94	1,183.9
-34bl.....	1,302.8	120	1,182.8
-61-26ccl.....	1,287.0	99	1,188.0
127-60-14dd2.....	1,290.3	17.4+	1,272.9-
-20aa2.....	1,295.8	102+	1,193.8-
-61-14ddl.....	1,292.1	14+	1,278.1-
-36ccl.....	1,298.7	29+	1,269.7-
	Day County		
123-59-33bcccl.....	1,422.3	60+	1,362.3-

Table D.--Depth below land surface and altitude above mean sea level of the surface of the Pierre shale--Continued

Well or test hole	Altitude of land surface (feet)	Depth to surface of Pierre shale (feet)	Altitude of surface of Pierre shale (feet)
Marshall County			
125-58- 5bcccl.....	1,316.1	22	1,294.1
-59-33daaal.....	1,313.4	48	1,265.4
126-58- 1cb2.....	1,318.5	21	1,297.5
-17aabbl.....	1,306.2	105	1,201.2
-23ddl.....	1,349.8	16.6	1,333.2
-59-14aabl.....	1,294.8	83	1,211.8
-18aaadl.....	1,308.0	148	1,160.0
-33cbbbl.....	1,300.3	45+	1,255.3-
127-58-14ddl.....	1,302.5	23+	1,279.5-
-17dd2.....	1,298.6	19+	1,279.6-
-32ddl.....	1,313.5	23+	1,290.5-
-59-17ddl.....	1,299.2	17+	1,282.2-
Spink County			
115-60- 9adddl.....	1,360	100	1,260
-62- 6cdddl.....	1,297.8	80+	1,217.8-
116-61- 8ddddl.....	1,294.3	99	1,195.3
-21cdccl.....	1,297	18+	1,179-
-33abbbl.....	1,302.8	25.6+	1,277.2-
-62- 8adl.....	1,295	42	1,253
-18dd3.....	1,290	120	1,170
-25daaal.....	1,289.2	74	1,215.2
-29abbal.....	1,255.4	17	1,238.4
-30aaaal.....	1,292.9	65	1,227.9
-30bbbbl.....	1,265.1	66+	1,199.1-
-63- 2babal.....	1,294.9	75+	1,219.9-
- 2bbabl.....	1,293.9	85	1,208.9
- 2bbbbl.....	1,295.3	53	1,242.3
- 3abbbl.....	1,289.7	51+	1,238.7-
- 4aaaal.....	1,290.6	126.5	1,164.1
- 5bbbbl.....	1,274.4	13	1,261.4
-20cdcdl.....	1,293.8	50	1,243.8
-25bbbbl.....	1,296.9	142	1,154.9
-26baaal.....	1,279.8	60+	1,217.8-

Table D.--Depth below land surface and altitude above mean sea level of the surface of the Pierre shale--Continued

Well or test hole	Altitude of land surface (feet)	Depth to surface of Pierre shale (feet)	Altitude of surface of Pierre shale (feet)
		Spink County--Continued	
116-63-26bbbbl.....	1,274.2	117	1,157.2
-28aaabl.....	1,295.5	138	1,157.5
-29aaaal.....	1,294.8	57	1,237.8
-30aaaal.....	1,294.3	65	1,229.3
-36ddddl.....	1,294.5	27.7+	1,266.8-
-64- 4adl.....	1,300	67	1,233
-19ddddl.....	1,306.1	50.5	1,255.6
-20ddddl.....	1,302.9	127	1,175.9
-26aaaal.....	1,296.6	121	1,175.6
117-61- 6cbbbl.....	1,294.9	85	1,209.9
-13bbaal.....	1,319	15	1,304
-62- 1bc2.....	1,305	90+	1,215-
- 5daaal.....	1,285	27.5	1,257.5
- 6ccccl.....	1,293.8	5	1,288.8
-13badal.....	1,292.7	68	1,224.7
-18aaaal.....	1,295.5	36	1,259.5
-19dddd2.....	1,300	20.5	1,279.5
-31dddal.....	1,298.7	17.5	1,281.2
-33dcccl.....	1,296	25	1,271
-63-20bcccl.....	1,296.4	33+	1,263.4-
-26bbbbl.....	1,292.6	12	1,280.6
-64- 4cbddl.....	1,295.6	133	1,162.6
-27aabal.....	1,293.1	34.5	1,258.6
-32ddddl.....	1,298.9	38	1,260.9
-35ddddl.....	1,285.5	17	1,268.5
118-61- 4aaaal.....	1,300	34	1,266
- 9ccccl.....	1,295.5	24+	1,271.5-
-62- 1aaabl.....	1,298.6	120	1,178.6
- 8bbbbl.....	1,305	80.2+	1,224.8-
- 9ddddl.....	1,294.0	22+	1,272.0-
-19daadl.....	1,287.1	58	1,229.1
-31aaaal.....	1,305	18	1,287
-35bbbbl.....	1,305	65	1,240

Table D.--Depth below land surface and altitude above mean sea level of the surface of the Pierre shale--Continued

Well or test hole	Altitude of land surface (feet)	Depth to surface of Pierre shale (feet)	Altitude of surface of Pierre shale (feet)
		Spink County--Continued	
118-63- 1cdddl.....	1,297.1	40+	1,257.1-
- 3aaaal.....	1,300	113	1,187
-16aaaal.....	1,296.6	30	1,266.6
-28bbbbl.....	1,296.0	144.5	1,151.5
-32bccdl.....	1,300	33.5	1,266.5
-35bbbbl.....	1,310	26	1,284
-64- 7ccccl.....	1,286.8	51.5	1,235.3
- 8ccccl.....	1,284.1	35.5	1,248.6
- 8dcccl.....	1,287.2	35	1,252.2
- 9ddddl.....	1,291.0	57	1,234.0
-11bcccl.....	1,293.0	35.5	1,257.5
-12ddddl.....	1,284.8	38	1,246.8
-13bbbbl.....	1,296.3	45+	1,251.3-
-21dbl.....	1,273	75+	1,198-
-27adddl.....	1,291.2	34.5	1,256.7
-34bcdd2.....	1,288.0	83	1,205.0
119-61- 2abbbl.....	1,299.4	45	1,254.4
- 6aaadl.....	1,299.4	63.5	1,235.9
-22bbbbl.....	1,293.5	30+	1,263.5-
-33adl.....	1,300	45	1,255
-62- 3aaaal.....	1,299	74.5	1,224.5
- 6baaal.....	1,298.7	190	1,108.7
-10ddddl.....	1,286.4	26+	1,260.4-
-13dddd2.....	1,298.4	34+	1,264.4-
-27ddddl.....	1,297.6	40	1,257.6
-29bbbbl.....	1,295.1	19.4+	1,275.7-
-34ccccl.....	1,300	165	1,135
-63- 4baaal.....	1,298.6	32+	1,266.6-
-11bbbbl.....	1,293.8	32+	1,261.8-
-23cccdl.....	1,297.6	28+	1,269.6-
-64- 3aaadl.....	1,295.3	50	1,245.3
- 3bbbbl.....	1,292.2	24+	1,268.2-
-27abbbl.....	1,294.4	45	1,249.4
120-61-18ddccl.....	1,296.3	22+	1,274.3-

Table D .--Depth below land surface and altitude above mean sea level of the surface of the Pierre shale--Continued

Well or test hole	Altitude of land surface (feet)	Depth to surface of Pierre shale (feet)	Altitude of surface of Pierre shale (feet)
		Spink County--Continued	
120-61-28aaaal.....	1,298.1	21+	1,277.1-
-62- 6aaabl.....	1,299.8	70	1,229.8
-17ccccl.....	1,285.9	23+	1,262.9-
-23bbbcl.....	1,300.5	23+	1,277.5-
-63- 6bbbbl.....	1,297.4	24+	1,273.4-
-22abbbl.....	1,271.2	51+	1,220.2-
-28ddddl.....	1,283.8	31	1,252.8
-30ccccl.....	1,290.1	82	1,208.1
-30ccdcl.....	1,299.0	90	1,209.0
-30cdddl.....	1,299.1	55	1,244.1
-31ccddl.....	1,296.9	24+	1,272.9-
-64- 3baabl.....	1,294.5	157	1,137.5
-16ddddl.....	1,293.2	25.4+	1,267.8-
-24aaadl.....	1,296.3	24+	1,272.3-
-25ccdcl.....	1,295.0	55	1,240.0
-27ccccl.....	1,293.9	52.5	1,241.4
-30ccccl.....	1,293.8	54.5	1,239.3
-65- 3bbbbl.....	1,330	167	1,163
-26bbbbl.....	1,329.1	27+	1,302.1-
-26ccccl.....	1,323.5	121	1,202.5
-29ccccl.....	1,328.8	135	1,193.8
-36ddddl.....	1,295.0	24+	1,271.0-

Table E.--Chemical analyses of water from the Dakota sandstone
[Results in parts per million except as indicated]

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Brown County																								
121-60-2abl....	1,072	11-28-55	49	.....	0.99	.....	.....	740	....	328	0	1,100	190	4.4	.....	2.5	.....	.....	37	0	95	53	3,320	7.8
121-61-7bbl....	1,215	11-28-55	51	.....	1.2	.....	.....	730	....	219	0	1,190	155	2.4	.....	1.4	.....	.....	70	0	96	38	3,360	8.1
121-62-2dadl...	1,177	11-28-55	54	.....	2.6	.....	.....	810	....	449	19	925	333	4.4	.....	2.9	.....	.....	27	0	96	68	3,590	8.5
121-63-1abcl...	1,149	11-28-55	50	11	.55	9.5	2.3	900	8.7	482	0	763	595	3.0	2.6	2.8	2,540	2,560	33	0	98	68	4,030	8.1
13dccl..	915	11-28-55	.....	10	2.0	5.0	2.1	790	5.4	544	0	725	390	3.0	3.0	3.5	2,210	2,240	21	0	98	75	3,520	8.0
121-64-32dcl...	.....	11-28-55	62	11	a .40	12	2.4	685	8.3	260	0	615	460	1.8	2.7	2.7	1,930	1,960	40	0	97	47	3,170	7.5
122-61-18adl...	1,147	11-28-55	59	.....	3.4	.....	.....	402	....	168	0	1,210	81	1.6	.....	.96	.....	.....	582	444	58	7.3	2,750	7.6
122-62-15cbl...	1,224	11-28-55	52	.....	4.6	.....	.....	374	....	128	0	1,190	71	1.4	.....	.91	.....	.....	630	525	56	6.5	2,680	6.9
122-64-26bbbl...	1,140	11-28-55	58	.....	1.6	.....	.....	610	....	138	0	1,150	78	1.2	.....	1.2	.....	.....	114	1	92	25	2,880	7.2
123-60-8bccl...	1,010	11-28-55	.....	.....	2.3	.....	.....	680	....	162	0	1,180	134	1.8	.....	1.3	.....	.....	82	0	95	33	3,110	7.1
25dcl...	988	11-28-55	49	10	.74	8.5	2.9	740	9.7	339	0	1,080	170	3.0	6.2	2.2	2,200	2,240	33	0	97	56	3,300	7.7
123-61-31cbbbl.	1,148	11-28-55	61	12	2.5	167	45	400	26	171	0	1,200	80	1.8	.0	.95	2,020	2,090	601	461	58	7.1	2,730	7.7
123-62-30dddl..	1,151	11-28-55	51	.....	1.8	.....	.....	555	....	159	0	1,230	98	1.8	.....	1.1	.....	.....	346	216	78	13	3,000	7.7
123-64-20bal...	1,260	11-28-55	52	12	3.8	209	60	315	29	184	0	1,200	60	2.0	.0	.81	1,980	2,060	770	619	46	4.9	2,600	7.5
124-60-4bbbbl..	959	11-28-55	.....	.....	1.3	.....	.....	725	....	286	0	1,180	220	2.6	.....	2.0	.....	.....	148	0	89	26	3,420	7.9
19cbadl.	959.5	11-28-55	58	12	a .42	61	18	675	17	146	0	1,230	170	2.4	17	1.5	2,280	2,340	224	104	86	20	3,320	7.2
124-61-9acl....	1,093	11-28-55	53	.....	.48	.....	.....	810	....	336	0	1,000	303	6.0	.....	2.9	.....	.....	45	0	98	53	3,640	8.3
124-62-17dddd2.	1,170	11-28-55	.....	.....	2.1	.....	.....	795	....	237	0	1,300	207	4.8	.....	2.1	.....	.....	88	0	93	37	3,580	7.8
124-63-30bbcl..	1,206	11-28-55	58	.....	5.9	.....	.....	580	....	185	0	1,240	82	1.4	.....	1.2	.....	.....	260	108	81	16	2,990	7.7
125-61-5ccc1...	903	11-29-55	56	.....	.36	.....	.....	863	....	616	0	575	559	6.0	.....	4.3	.....	.....	33	0	98	65	3,850	7.8
125-62-20dal...	1,096	11-28-55	55	10	1.5	7.5	1.8	760	7.9	454	13	541	523	3.2	2.1	4.0	2,070	2,130	26	0	98	65	3,450	8.4
125-63-3aaaal..	935	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b4,380	...
15cbbcl.	1,250	11-28-55	.....	10	1.0	15	3.5	685	7.7	191	0	1,220	80	1.6	5.3	1.2	2,120	2,120	52	0	96	41	3,040	7.7
23bcccl.	1,160	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b4,120	...
34bcbbl.	1,150	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,350	...
126-60-15da2...	975	11-28-55	56	.....	2.0	.....	.....	875	....	264	0	1,180	378	5.2	.....	2.5	.....	.....	68	0	96	46	3,990	7.7
126-62-22dccl..	948	11-29-55	.....	9.3	1.2	8.5	3.2	900	9.9	629	0	435	740	3.0	3.7	4.5	2,430	2,450	34	0	98	67	4,060	8.1
126-63-24dddl.	1,174	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,360	...
Spink County																								
116-61-4abbbl..	960	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,200	...
7cbbc2..	.....	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,240	...
116-62-1bbbdl..	.....	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,190	...
8adl....	1,008	9-11-47	.....	9.0	0.15	30	9.6	649	22	246	0	1,010	203	2.4	9.0	.....	2,070	2,080	114	0	91	26	2,980	7.9
13daadl.	1,022	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,150	...
35bbbbl.	937	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,090	...
116-63-10aal...	900	9-11-47	.....	7.0	2.8	12	4.0	716	14	387	0	939	225	3.6	.2	.....	2,110	2,120	46	0	96	46	3,030	7.7
116-64-10bbl...	920	9-11-47	.....	10	.27	47	15	663	19	198	16	1,120	193	3.2	6.2	.....	2,190	2,200	178	0	78	22	2,590	8.1
22bcl...	975	7- -49	55	.....	.....	.....	.....	....	....	270	0	1,020	182	.....	.....	.....	.....	.....	96	.....	....	.....	2,940	7.4
27cbl...	950	7-12-49	50	.....	.....	.....	.....	....	....	152	0	1,040	145	.....	.....	.....	.....	.....	161	.....	....	.....	2,880	7.1
117-61-5abbal..	980	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,180	...
6aaaal..	890	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,310	...
7ddcdl..	950	8- 8-56	63	9.7	c .58	29	9.6	670	12	290	0	963	232	2.0	.1	2.3	2,070	2,110	112	0	92	28	3,170	8.2
10bcbdl.	900	.....	.....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	b3,220	...

See footnotes at end of table.

Table E.--Chemical analyses of water from the Dakota sandstone--Continued

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Spink County--Continued																								
117-61-13bbaa1.	1,061	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,220	...
14bbbc1.	1,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,150	...
117-62-11cddc1.	965	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,130	...
16bccc1.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,140	...
30aaddl.	916	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,430	...
118-61-2dccc1.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,375	...
3cddd1.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,430	...
10aadc1.	1,012	8- 8-56	63	10	1.6	35	10	630	13	280	0	938	235	2.6	0.4	2.1	2,020	2,100	130	0	90	24	3,160	8.0
15bbbb1.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,030	...
17adddl.	960	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,160	...
35bbabl.	980	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,210	...
118-62-2ddddl.	975	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,600	...
11abbbl.	952	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,350	...
24adddl.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,240	...
30adddl.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 2,670	...
119-61-5cddc1.	880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,320	...
29ccddl.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,750	...
33adl...	1,050	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,270	...
119-62-5babb1.	1,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,280	...
9babb1..	909	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,240	...
11bbbbl.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,330	...
22aaaal.	924	8- 8-56	.....	9.9	.85	37.	9.1	670	11	268	0	1,000	252	2.6	.0	2.4	2,130	2,270	130	0	91	26	3,400	8.2
120-61-22cdcdl.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 4,100	...
35bbbbl.	1,026	8- 8-56	60	9.7	1.5	16	19	740	8.4	308	6	1,040	284	3.2	.0	2.4	2,280	2,340	120	0	93	29	3,550	8.3
120-62-8ccl....	990	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,430	...
8cc2....	1,104	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,210	...
9aadl...	1,100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,340	...
31ddl...	982	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,320	...
36adddl.	840	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b 3,380	...

a Manganese (Mn), 0.00 ppm.
b Field determination made in 1956 at time of sampling.
c Manganese (Mn), 0.03 ppm.

Table F.--Chemical analyses of water from deposits of Quaternary age

[Results in parts per million except as indicated]

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Brown County																								
121-60-27ccl	.....	8- 8-56	50	.....	.....	....	.....	659		240	31	938	167	.....	2.1	.....	.....	2,010	28	0	98	54	3,040	8.6
28aal	31.7	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	[a]2,390	...
28aa2	31.7	8- 8-56	52	33	1.5	127	47	320	12	368	0	715	154	0.2	9.9	0.41	1,600	1,640	510	208	57	6.2	2,330	7.7
28cdl	40	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	[a]2,240	...
121-61-13cc2	65	8- 8-56	60	.....	.....	....	.....	295		566	0	460	133	.....	3.2	.....	.....	1,410	492	28	57	5.8	2,080	7.5
23ccl	35	8- 8-56	47	.....	.....	....	.....	29		374	0	228	34	.....	2.2	.....	.....	730	532	225	10	.5	1,050	7.7
121-62-1bbl	28.5	7-20-49	48	.....	.....	....	.....	.....	....	320	0	105	5.4	.....	.....	.....	.....	.....	352	.....	....	.....	684	7.1
2aa3	30	7-20-49	48	.....	.....	....	.....	.....	....	400	0	502	50	.....	.....	.....	.....	.....	1,230	.....	....	.....	1,890	7.4
8ab2	31	8-10-56	.....	21	.14	248	63	103	30	532	0	500	117	.4	22	.35	1,370	1,490	880	444	20	1.5	1,960	8.0
25da1	33.3	7-20-49	47	.....	.....	....	.....	.....	....	404	0	180	87	.....	.....	.....	.....	.....	346	.....	....	.....	1,230	7.3
121-64-3baabl	45.0	8-18-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	6,270	...
7aal	9.9	8- 5-49	54	.....	.....	....	.....	.....	....	572	0	764	270	.....	.....	.....	.....	.....	684	.....	....	.....	3,020	7.6
7aa3	8.1	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	[a]2,350	...
18ba1	12.6	8-10-49	51	.....	.....	....	.....	.....	....	652	0	1,100	640	.....	.....	.....	.....	.....	1,320	.....	....	.....	4,400	7.5
19ab2	11.1	8-10-49	53	.....	.....	....	.....	.....	....	393	0	636	256	.....	.....	.....	.....	.....	.....	.....	....	.....	3,550	7.4
19cb1	15.0	8-10-49	52	.....	.....	....	.....	.....	....	314	0	472	144	.....	.....	.....	.....	.....	938	.....	....	.....	1,640	7.5
		8-17-49	.....	32	.29	242	88	45		330	0	538	163	.2	2.9	.....	1,280	1,440	966	695	9	.6	1,820	7.6
33ddddl	24	8-19-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,120	...
121-65-1aaaa1	256.0	8-18-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	872	...
1aaaa2	49.0	8-18-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,160	...
12bb1	34.5	7-29-49	47	.....	.....	....	.....	.....	....	557	0	280	242	.....	.....	.....	.....	.....	952	.....	....	.....	2,110	7.1
12dc1	7.1	7-29-49	53	.....	.....	....	.....	.....	....	506	0	204	192	.....	.....	.....	.....	.....	602	.....	....	.....	1,770	7.1
14ad2	14.8	8- 1-49	48	.....	.....	....	.....	.....	....	396	0	138	42	.....	.....	.....	.....	.....	419	.....	....	.....	934	7.3
15cb1	24.6	8- 4-49	47	.....	.....	....	.....	.....	....	566	0	222	46	.....	.....	.....	.....	.....	526	.....	....	.....	1,360	7.4
		8-17-49	.....	35	.21	105	50	143		569	0	238	41	.4	6.7	.....	.....	904	468	1	40	2.9	1,300	7.8
16ba1	.....	8- 1-49	47	.....	.....	....	.....	.....	....	580	0	228	47	.....	.....	.....	.....	.....	562	.....	....	.....	1,350	7.5
20ad2	15.6	8- 8-49	52	.....	.....	....	.....	.....	....	832	0	332	401	.....	.....	.....	.....	.....	338	.....	....	.....	2,910	7.3
20da1	Spring	11- -49	.....	.....	.....	....	.....	.....	....	658	0	580	280	.....	.....	.....	.....	.....	552	.....	....	.....	2,520	7.3
20dd1	Spring	11- -49	.....	.....	.....	....	.....	.....	....	266	33	56	1,720	.....	.....	.....	.....	.....	384	.....	....	.....	5,520	8.5
27ccl	34.2	8- 4-49	46	.....	.....	....	.....	.....	....	468	0	106	22	.....	.....	.....	.....	.....	404	.....	....	.....	800	7.4
36dc1	11.6	7-28-49	55	.....	.....	....	.....	.....	....	386	0	82	22	.....	.....	.....	.....	.....	304	.....	....	.....	767	7.4
122-61-18ad2	25	8-10-56	53	26	b .05	245	262	373	16	340	0	1,980	70	.5	172	1.1	3,310	3,770	1,690	1,410	32	3.9	3,950	8.0
122-62-2ccl	27.6	6-21-49	47	.....	.....	....	.....	.....	....	412	0	1,010	86	.....	.....	.....	.....	.....	1,260	.....	....	.....	2,140	7.4
19dc1	.....	8-15-49	50	28	.40	404	110	193		296	0	1,300	200	.4	1.4	.....	2,380	2,590	1,460	1,220	22	2.2	2,950	7.5
20bb1	31.5	6-20-49	47	.....	.....	....	.....	.....	....	752	0	1,020	158	.....	.....	.....	.....	.....	.....	.....	....	.....	4,530	7.1
22cc1	.....	6-20-49	47	.....	.....	....	.....	.....	....	344	0	364	33	.....	.....	.....	.....	.....	628	.....	....	.....	1,210	7.4
27dc1	26	6-22-49	47	.....	.....	....	.....	.....	....	524	0	1,740	480	.....	.....	.....	.....	.....	2,790	.....	....	.....	4,780	7.1
28da2	34.2	6-21-49	47	.....	.....	....	.....	.....	....	370	0	1,050	132	.....	.....	.....	.....	.....	1,430	.....	....	.....	2,800	7.2
29dd2	36.5	6-21-49	47	.....	.....	....	.....	.....	....	396	0	154	66	.....	.....	.....	.....	.....	403	.....	....	.....	1,100	7.2
31cccc1	82.0	8-14-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,970	...
32da1	34	6-22-49	48	.....	.....	....	.....	.....	....	356	0	828	256	.....	.....	.....	.....	.....	624	.....	....	.....	2,510	7.2
34ab2	28.6	6-22-49	47	.....	.....	....	.....	.....	....	404	0	.....	368	.....	.....	.....	.....	.....	1,280	.....	....	.....	4,590	7.7
35ad1	31.9	6-22-49	47	.....	.....	....	.....	.....	....	416	0	2,180	44	.....	.....	.....	.....	.....	.....	.....	....	.....	4,410	6.9
35cc3	32.3	6-22-49	47	.....	.....	....	.....	.....	....	288	0	880	201	.....	.....	.....	.....	.....	.....	.....	....	.....	3,040	7.2
122-63-15ba1	32	6-16-49	47	.....	.....	....	.....	.....	....	356	0	808	326	.....	.....	.....	.....	.....	1,820	.....	....	.....	2,950	7.7
		8-15-49	.....	24	.10	305	175	103		236	0	870	256	.2	303	.....	2,150	2,390	1,480	1,290	13	1.2	2,820	7.6

See footnotes at end of table.

Table F.--Chemical analyses of water from deposits of Quaternary age--Continued

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Brown County--Continued																								
122-63-33cccc1..	60.0	8-14-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,750	...
34dddd1..	90.0	8-14-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	689	...
122-64-1bbb1.....	19.9	7-22-49	46	.....	.....	....	.....	.....	....	411	0	254	76	.....	.....	.....	.....	.....	598	.....	....	.....	1,230	7.2
1bb2.....	17.3	7-22-49	46	.....	.....	....	.....	.....	....	384	0	572	281	.....	.....	.....	.....	.....	1,080	.....	....	.....	2,210	7.3
1bb3.....	.....	8-10-56	.....	34	1.2	107	33	98	7.8	386	0	230	52	0.1	1.1	0.15	.....	758	402	85	34	2.1	1,140	7.9
1cb1.....	14.2	7-22-49	48	.....	.....	....	.....	.....	....	436	0	800	364	.....	.....	.....	.....	.....	848	.....	....	.....	2,990	7.3
1cb2.....	17.9	7-22-49	46	.....	.....	....	.....	.....	....	696	0	1,470	620	.....	.....	.....	.....	.....	1,760	.....	....	.....	5,400	7.4
5aa1.....	85	7-19-49	56	.....	.....	....	.....	.....	....	417	0	266	47	.....	.....	.....	.....	.....	362	.....	....	.....	1,220	7.2
		8-15-49	.....	28	.80	76	85	41		436	0	196	44	.4	4.1	.....	.....	768	539	181	14	.8	1,140	7.6
5aa2.....	20.1	7-19-49	47	.....	.....	....	.....	.....	....	860	0	530	320	.....	.....	.....	.....	.....	1,890	.....	....	.....	3,460	7.3
7aa1.....	21.5	7-19-49	47	.....	.....	....	.....	.....	....	107	0	19	7.6	.....	.....	.....	.....	.....	104	.....	....	.....	246	6.5
10cd2....	17.3	7-20-49	48	.....	.....	....	.....	.....	....	674	0	1,640	190	.....	.....	.....	.....	.....	1,370	.....	....	.....	4,080	7.6
13cc1....	19.4	7-22-49	46	.....	.....	....	.....	.....	....	261	0	908	142	.....	.....	.....	.....	.....	1,530	.....	....	.....	2,560	6.9
14ab1....	15.8	7-22-49	47	.....	.....	....	.....	.....	....	452	0	170	54	.....	.....	.....	.....	.....	252	.....	....	.....	1,140	7.4
16bb1....	7.5	7-19-49	48	.....	.....	....	.....	.....	....	448	0	208	26	.....	.....	.....	.....	.....	396	.....	....	.....	1,090	7.1
18cc1....	21	7-21-49	46	.....	.....	....	.....	.....	....	312	0	178	80	.....	.....	.....	.....	.....	506	.....	....	.....	1,060	7.4
		8-15-49	.....	29	.20	101	47	32		243	0	200	75	.0	1.3	.....	.....	668	446	247	13	.7	964	7.6
19ca1....	22	7-21-49	46	.....	.....	....	.....	.....	....	396	0	67	40	.....	.....	.....	.....	.....	374	.....	....	.....	782	7.1
20bd1....	Spring	7-21-49	51	.....	.....	....	.....	.....	....	317	0	32	5.6	.....	.....	.....	.....	.....	260	.....	....	.....	520	7.3
24cb1....	35.2	7-25-49	46	.....	.....	....	.....	.....	....	516	0	476	138	.....	.....	.....	.....	.....	640	.....	....	.....	2,040	7.5
28cb1....	17.4	7-21-49	54	.....	.....	....	.....	.....	....	127	0	54	66	.....	.....	.....	.....	.....	78	.....	....	.....	524	6.8
29cb1....	12.9	7-21-49	47	.....	.....	....	.....	.....	....	427	0	264	44	.....	.....	.....	.....	.....	538	.....	....	.....	1,210	7.3
30da2....	17.7	7-21-49	60	.....	.....	....	.....	.....	....	438	0	94	25	.....	.....	.....	.....	.....	462	.....	....	.....	918	7.2
122-64-36ccdd1:																								
26 hr.....	48.0	7-20-52	47	18	.....	343	86	490	19	311	0	938	785	.4	4.5	.85	2,840	3,070	1,210	955	46	6.1	4,200	7.6
	48.0	9-16-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,210	.....	....	.....	4,190	...
123-60-21dc2....	30	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a4,050	...
28bbb2...	30	8-10-56	48	26	.41	233	231	405	13	480	0	1,800	142	.4	2.9	.61	3,090	3,390	1,530	1,140	36	4.5	3,790	7.5
31dbb1...	28.1	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a6,750	...
123-61-18caaa1..	158	8-10-56	56	.....	.....	....	.....	556		960	0	46	422	.....	6.0	.....	.....	1,550	226	0	84	16	2,760	7.7
123-62-5aa1.....	21	6-22-49	46	.....	.....	....	.....	.....	....	430	0	620	101	.....	.....	.....	.....	.....	1,130	.....	....	.....	2,150	7.4
6da1.....	35	6-22-49	.....	.....	.....	....	.....	.....	....	382	0	194	34	.....	.....	.....	.....	.....	550	.....	....	.....	1,080	7.4
9bc1.....	27.3	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a923	...
17bd1....	26	6-23-49	46	.....	.....	....	.....	.....	....	400	0	1,510	340	.....	.....	.....	.....	.....	2,390	.....	....	.....	3,630	7.3
17bd3....	24	6-23-49	46	.....	.....	....	.....	.....	....	340	0	142	36	.....	.....	.....	.....	.....	434	.....	....	.....	693	7.6
17db1....	28.6	6-21-49	47	.....	.....	....	.....	.....	....	364	0	1,500	312	.....	.....	.....	.....	.....	2,280	.....	....	.....	3,670	7.5
20bb1....	34	6-21-49	.....	.....	.....	....	.....	.....	....	336	0	1,560	124	.....	.....	.....	.....	.....	2,050	.....	....	.....	2,620	7.5
31da2....	44	6-21-49	.....	.....	.....	....	.....	.....	....	372	0	1,280	320	.....	.....	.....	.....	.....	2,010	.....	....	.....	3,290	7.0
123-63-3ad1.....	19.8	6-27-49	46	.....	.....	....	.....	.....	....	318	0	124	44	.....	.....	.....	.....	.....	655	.....	....	.....	1,250	7.5
6ad1.....	16.5	8- 6-49	.....	.....	.....	....	.....	.....	....	906	0	1,250	368	.....	.....	.....	.....	.....	1,410	.....	....	.....	4,340	7.3
		8- 9-56	47	.....	.....	....	.....	320		412	0	1,350	118	.....	20	.....	.....	2,940	1,230	892	36	4.0	3,370	7.5
7aa1.....	16	7- 8-49	45	.....	.....	....	.....	.....	....	404	0	1,650	408	.....	.....	.....	.....	.....	1,500	.....	....	.....	4,290	7.2
7ad2.....	25.2	8- 6-49	47	.....	.....	....	.....	.....	....	533	0	1,580	178	.....	.....	.....	.....	.....	1,990	.....	....	.....	3,560	7.0
7cb1.....	13.0	7- 8-49	48	.....	.....	....	.....	.....	....	422	0	1,740	158	.....	.....	.....	.....	.....	1,950	.....	....	.....	3,740	7.2
7cb2.....	16	7- 8-49	46	.....	.....	....	.....	.....	....	480	0	2,180	178	.....	.....	.....	.....	.....	2,240	.....	...	.....	4,550	7.0
9bb1.....	25.9	6-27-49	48	.....	.....	....	.....	.....	....	419	0	1,000	112	.....	.....	.....	.....	.....	1,280	.....	....	.....	2,580	7.4

See footnotes at end of table.

Table F.--Chemical analyses of water from deposits of Quaternary age--Continued

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Brown County--Continued																								
123-63-17bb2....	28	7- 8-49	51	.....	.....	....	.....	.....	....	392	0	1,370	1,160	.....	.....	.....	.....	.....	2,010	.....	....	.....	5,860	7.0
17cd1....	80	7- 8-49	.....	.....	.....	....	.....	.....	....	540	0	72	415	.....	.....	.....	.....	.....	236	.....	....	.....	1,940	7.2
17cd3....	40	7- 8-49	.....	.....	.....	....	.....	.....	....	270	0	2,390	2,070	.....	.....	.....	.....	.....	3,990	.....	....	.....	9,050	7.1
18ba1....	25.7	7- 8-49	47	.....	.....	....	.....	.....	....	408	0	1,230	374	.....	.....	.....	.....	.....	1,440	.....	....	.....	3,670	7.1
20aa2....	20	7- 8-49	50	.....	.....	....	.....	.....	....	308	0	88	24	.....	.....	.....	.....	.....	380	.....	....	.....	687	7.2
20da1....	50	8- 9-56	51	24	.....	80	24	21	8.0	382	0	28	2.0	0.1	1.0	0.13	.....	394	300	0	13	0.5	648	7.5
		8- 6-49	.....	.....	.....	....	.....	.....	....	403	0	82	4.8	.....	.....	.....	.....	.....	372	.....	....	.....	702	7.1
20dc1....	50	7- 8-49	45	.....	.....	....	.....	.....	....	1,160	0	764	82	.....	.....	.....	.....	.....	760	.....	....	.....	2,320	7.3
21bc1....	20	7- 8-49	51	.....	.....	....	.....	.....	....	404	0	656	54	.....	.....	.....	.....	.....	970	.....	....	.....	1,780	7.1
22bc1....	21.2	8- 6-49	.....	.....	.....	....	.....	.....	....	526	0	600	110	.....	.....	.....	.....	.....	758	.....	....	.....	1,780	7.1
123-64-14ac1....	35	7- 8-49	45	.....	.....	....	.....	.....	....	570	0	596	215	.....	.....	.....	.....	.....	652	.....	....	.....	2,480	7.2
14ad1....	10.2	7- 9-49	47	.....	.....	....	.....	.....	....	892	0	4,360	814	.....	.....	.....	.....	.....	4,270	.....	....	.....	9,380	7.2
14bb2....	60	7- 8-49	77	.....	.....	....	.....	.....	....	376	0	412	734	.....	.....	.....	.....	.....	840	.....	....	.....	3,420	7.0
23aa2....	10	6-27-49	53	.....	.....	....	.....	.....	....	440	0	740	133	.....	.....	.....	.....	.....	1,060	.....	....	.....	2,140	7.2
23ad1....	20.5	6-27-49	47	.....	.....	....	.....	.....	....	268	0	860	464	.....	.....	.....	.....	.....	1,420	.....	....	.....	3,000	7.2
23bd1....	17	7- 8-49	48	.....	.....	....	.....	.....	....	508	0	1,060	334	.....	.....	.....	.....	.....	2,240	.....	....	.....	4,400	7.6
23bd2....	15.4	7- 8-49	48	.....	.....	....	.....	.....	....	846	0	1,850	428	.....	.....	.....	.....	.....	3,260	.....	....	.....	5,900	7.3
23dd1....	17	7- 7-49	54	.....	.....	....	.....	.....	....	1,000	0	450	73	.....	.....	.....	.....	.....	642	.....	....	.....	1,460	7.6
23dd2....	15.1	7- 7-49	48	.....	.....	....	.....	.....	....	389	0	186	45	.....	.....	.....	.....	.....	468	.....	....	.....	1,070	7.7
23dd3....	17	7- 7-49	57	.....	.....	....	.....	.....	....	393	0	206	46	.....	.....	.....	.....	.....	521	.....	....	.....	1,080	7.5
24ad1....	.....	7- 8-49	60	.....	.....	....	.....	.....	....	390	0	93	30	.....	.....	.....	.....	.....	426	.....	....	.....	819	7.4
25ba2....	14.0	7- 7-49	47	.....	.....	....	.....	.....	....	505	0	1,250	508	.....	.....	.....	.....	.....	1,730	.....	....	.....	4,440	7.6
25ba3....	20	7- 8-49	47	.....	.....	....	.....	.....	....	513	0	1,290	306	.....	.....	.....	.....	.....	1,550	.....	....	.....	3,630	7.6
25bb1....	10.2	7- 7-49	50	.....	.....	....	.....	.....	....	588	0	788	127	.....	.....	.....	.....	.....	1,130	.....	....	.....	2,690	7.2
25da1....	10.3	7- 8-49	47	.....	.....	....	.....	.....	....	368	0	1,300	208	.....	.....	.....	.....	.....	1,270	.....	....	.....	3,640	7.3
25db1....	.....	7- 8-49	66	.....	.....	....	.....	.....	....	328	0	112	76	.....	.....	.....	.....	.....	335	.....	....	.....	1,340	7.1
26aa2....	14	7- 7-49	48	.....	.....	....	.....	.....	....	483	0	1,490	598	.....	.....	.....	.....	.....	1,960	.....	....	.....	4,750	7.3
26ba1....	.....	7- 1-49	60	.....	.....	....	.....	.....	....	770	0	1,170	340	.....	.....	.....	.....	.....	1,360	.....	....	.....	4,020	7.4
26ba3....	10.1	6-27-49	48	.....	.....	....	.....	.....	....	400	0	262	91	.....	.....	.....	.....	.....	654	.....	....	.....	1,180	7.6
26bb1....	11.4	6-27-49	45	.....	.....	....	.....	.....	....	492	0	2,250	630	.....	.....	.....	.....	.....	2,350	.....	....	.....	5,950	7.4
26bb2....	9.7	6-27-49	46	.....	.....	....	.....	.....	....	600	0	2,680	944	.....	.....	.....	.....	.....	2,500	.....	....	.....	8,610	7.6
26bc1....	28.1	7- 9-49	68	.....	.....	....	.....	.....	....	288	0	420	301	.....	.....	.....	.....	.....	756	.....	....	.....	2,030	7.0
26dd3....	16.5	7- 7-49	48	.....	.....	....	.....	.....	....	493	0	708	280	.....	.....	.....	.....	.....	464	.....	....	.....	2,170	7.3
26dd4....	14	7- 7-49	65	.....	.....	....	.....	.....	....	420	0	206	205	.....	.....	.....	.....	.....	636	.....	....	.....	1,710	7.7
35aa1....	17.7	7- 7-49	45	.....	.....	....	.....	.....	....	679	0	1,410	348	.....	.....	.....	.....	.....	1,440	.....	....	.....	4,470	7.3
35bb1....	12.1	7- 1-49	48	.....	.....	....	.....	.....	....	368	0	176	83	.....	.....	.....	.....	.....	430	.....	....	.....	1,310	7.1
36ba1....	13.7	7- 1-49	44	.....	.....	....	.....	.....	....	604	0	1,090	348	.....	.....	.....	.....	.....	1,400	.....	....	.....	3,550	7.5
		8-15-49	44	28	0.02	230	25	341		556	0	630	215	.4	4.6	.....	1,750	1,840	677	221	52	5.7	2,420	7.9
12N-61-1cc1....	48	8- 9-56	56	35	2.4	310	218	170	22	456	0	1,400	167	.3	.0	.30	2,550	2,810	1,670	1,300	18	1.8	3,180	7.5
24bc1....	28	8- 9-56	55	.....	.....	....	.....	402		436	0	1,060	227	.....	.2	.....	.....	2,350	908	550	49	5.8	3,120	7.6
12N-62-7aad1....	26	8-10-56	49	.....	.....	....	.....	25		398	0	46	20	.....	17	.....	.....	456	362	36	13	.6	776	7.6
28bbbb2..	90	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	[a] 2,600	....
28cccc2..	84	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	[a] 3,210	....
29ada1...	20	8-10-56	47	32	.39	410	250	28	12	756	0	475	539	.0	264	.19	2,380	2,840	2,050	1,430	3	.3	3,660	7.5
32aaaa1..	32	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	[a] 1,110	....
32cccc1..	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	[a] 4,770	....

See footnotes at end of table.

Table F.--Chemical analyses of water from deposits of Quaternary age--Continued

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Brown County--Continued																								
12N-6E-3cb1	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,670	...
3cc1	18	8- 9-56	.....	.....	.....	....	.....	59		318	0	210	66	.....	60	.....	.....	860	492	231	21	1.2	1,180	7.5
7aad1	18	8- 9-56	50	.....	.....	....	.....	122		426	0	380	136	.....	57	.....	.....	1,240	718	369	27	2.0	1,760	7.6
9ddd1	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,190	...
10bbbb1	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,140	...
10bbbb2	20	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,190	...
14ada3	30	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,140	...
17ad1	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,250	...
19ddd1	24	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 2,630	...
20aba3	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 857	...
20dc1	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,040	...
20dc2	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,010	...
21bbb1	.....	8- 9-56	50	.....	.....	....	.....	33		285	0	154	6.0	.....	19	.....	.....	493	347	113	17	.8	686	7.7
22bbb1	13.4	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 824	...
22cd1	16	8- 9-56	.....	31	0.01	95	27	37	4.6	344	0	83	27	0.2	14	0.10	.....	514	348	66	19	.9	804	7.9
22cd3	16	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,030	...
22dc1	16	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,220	...
22dc2	16	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,530	...
22dc3	16	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,600	...
22dc4	16	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,040	...
23cb1	14.6	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 782	...
23cb2	16	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 881	...
23dcc1	.....	8- 9-56	48	28	.....	81	24	21	8.5	384	0	29	9.0	.0	.0	.11	.....	390	302	0	13	.5	649	7.7
26aad1	40	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,370	...
26bc1	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,650	...
27ab1	10	8- 9-56	.....	.....	.....	....	.....	101		275	0	120	40	.....	153	.....	.....	662	310	84	42	2.5	1,080	7.0
27ab2	10	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,040	...
27ab3	10	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,300	...
28ad1	.....	8- 9-56	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,930	...
28ad2	.....	8- 9-56	45	.....	.....	....	.....	242		680	0	250	289	.....	306	.....	.....	1,840	946	388	36	3.4	2,720	7.4
28bb1	14.2	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 2,040	...
29bcc1	22.7	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,610	...
30add1	24.6	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 2,300	...
33bbb1	.....	8- 9-56	50	.....	.....	....	.....	68		422	0	122	20	.....	22	.....	.....	586	370	24	29	1.5	940	7.7
33ccc2	12	8- 9-56	46	.....	.....	....	.....	102		477	0	255	139	.....	65	.....	.....	1,010	683	292	25	1.7	1,480	7.5
34aad2	16.5	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,050	...
125-60-10aa2	54	8- 9-56	.....	.....	.....	....	.....	18		286	0	68	19	.....	.5	.....	.....	393	293	58	12	.5	641	7.8
125-61-9bb1	42	8- 9-56	49	35	1.9	268	68	32	13	506	0	300	215	.1	.0	.12	1,180	1,270	950	535	7	.5	1,840	7.6
14adl	.....	8- 9-56	59	.....	.....	....	.....	35		376	0	180	26	.....	.1	.....	.....	663	455	147	15	.7	947	7.4
125-62-1cc2	110	8- 9-56	55	.....	.....	....	.....	193		481	0	215	132	.....	.2	.....	.....	934	384	0	52	4.3	1,480	7.4
28db1	82	8- 9-56	51	28	2.7	120	28	261	13	430	0	145	355	.1	1.4	1.1	1,170	1,180	415	62	57	5.6	2,020	7.6
36ab1	102	8- 9-56	.....	.....	.....	....	.....	505		847	0	126	358	.....	6.0	.....	.....	1,560	238	0	82	14	2,560	7.5
125-63-4baba1	30	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,550	...
8bbcc1	42	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 2,170	...
11daad1	41	8- 9-56	53	27	1.9	150	41	346	13	618	0	680	85	.3	.0	.96	1,650	1,680	545	38	57	6.4	2,340	7.7

See footnotes at end of table.

Table F.--Chemical analyses of water from deposits of Quaternary age--Continued

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Brown County--Continued																								
125-63-13cbbbl..	23	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,450	...
25aaaal..	60	8- 9-56	.....	.....	.....	....	.....	329		244	0	310	794	.....	6.1	.....	.....	2,310	932	732	43	4.7	3,370	7.3
28cdddl..	64	8- 9-56	.....	.....	.....	....	.....	188		566	0	300	88	.....	3.6	.....	.....	1,080	494	30	45	3.7	1,630	7.5
126-62-6abbbl...	47.6	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,030	...
126-63-11aaddl..	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,540	...
14bbbal..	26	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 2,590	...
Day County																								
123-59-6adaal...	45	8-10-56	50	28	.....	117	31	585	18	306	0	1,100	255	0.7	0.0	2.9	2,290	2,370	420	169	74	12	3,360	7.5
6adaa2...	48	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 6,940	...
9bccal...	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,260	...
9ddda2...	22	8-10-56	50	.....	.....	....	.....	1,210		492	0	4,100	343	.....	6.7	.....	.....	7,270	2,530	2,130	51	10	7,630	7.5
29cddd1..	170	8-10-56	48	19	c0.22	425	156	1,330	27	394	0	3,330	666	1.3	11	.29	6,160	6,460	1,700	1,380	63	14	7,720	7.6
31dddd2..	40	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 6,190	...
32aaaal..	50	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 4,270	...
33bcccl..	60	8-10-56	51	.....	.....	....	.....	191		845	0	740	58	.....	20	.....	.....	1,990	1,150	457	27	2.5	2,500	7.2
124-59-19aaaa2..	10	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 2,060	...
19dccc2..	30	8-10-56	47	.....	.....	....	.....	662		446	0	2,300	93	.....	253	.....	.....	4,380	1,660	1,290	47	7.1	4,980	7.6
28aaaal..	20	8-10-56	55	.....	.....	....	.....	285		356	0	1,100	52	.....	.3	.....	.....	2,110	890	598	41	4.2	2,530	7.6
30bcbb2..	16	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,790	...
31ddaal..	12.6	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 804	...
Marshall County																								
125-58-6bal.....	22	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,530	...
17cb2....	22	8-10-56	49	24	2.0	188	101	245	9.1	330	0	1,080	41	0.2	4.7	0.29	1,860	2,010	885	614	37	3.6	2,410	7.9
19cdl....	26	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,880	...
20bbc2...	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,820	...
29bbbl...	20	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,030	...
29bbb2...	12.2	8-10-56	47	.....	.....	....	.....	124		524	0	1,340	77	.....	141	.....	.....	3,250	1,780	1,350	13	1.3	3,550	7.3
29bbb3...	16	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,040	...
31dal....	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,610	...
33ad2....	130	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,990	...
33bbbbl..	20	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,350	...
33dc2....	120	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,900	...
125-59-6cbb2....	40	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,320	...
6dcl....	38	8-10-56	50	31	d7.4	155	82	81	29	764	0	268	16	.1	.0	.21	1,050	1,060	725	99	19	1.3	1,540	7.5
16aal....	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,840	...
17ccc2...	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,360	...
19bc3....	40	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 2,450	...
19dc2....	22.3	8-10-56	49	.....	.....	....	.....	642		392	0	1,060	176	.....	4.8	.....	.....	2,420	280	0	83	17	3,450	7.7
21ddal...	30	8-10-56	51	.....	.....	....	.....	15		333	0	56	13	.....	5.8	.....	.....	425	322	49	9	4	701	7.6
21ddda2...	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,160	...
22ab2....	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 4,550	...
25add1...	22.3	8-10-56	.....	.....	.....	....	.....	1,760		460	0	5,750	59	.....	770	.....	.....	10,500	3,240	2,860	54	13	10,400	7.7
26ab2....	30	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,780	...
29cbb2...	48	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,330	...

See footnotes at end of table.

Table F.--Chemical analyses of water from deposits of Quaternary age--Continued

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Marshall County--Continued																								
125-59-29cbb3...	48	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 4,400	...
30ddd1...	38	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 950	...
31aabl...	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,550	...
Spink County																								
116-61-5aaaal...	19	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,150	...
5dcdd2...	28	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,120	...
116-61-8dddd2:																								
1 min.....	100.0	11-17-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,040	...
25 min.....		11-17-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	852	...
180 min.....		11-17-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	902	...
405 min.....		11-17-53	.....	11	.....	103	26	68	6.6	455	0	111	18	0.2	5.6	0.37	.....	592	362	0	29	1.6	.....	7.3
28½ hr.....		11-18-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	923	...
116-61-8dddd3:																								
4 hr.....	77.0	5-31-54	.....	.....	.....	....	.....	47	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	341	.....	23	1.1	805	...
11 hr.....	77.0	5-31-54	.....	26	0.95	99	27	52	6.5	445	0	88	15	.2	.4	.31	.....	544	357	0	24	1.2	847	8.0
	77.0	7-27-54	49	23	.88	104	31	39	6.0	428	0	104	12	.3	1.6	.34	.....	532	387	36	18	.9	845	7.5
	77.0	10-12-54	48	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	829	...
	77.0	8-19-55	.....	.....	.....	....	.....	67	....	458	0	112	17	.....	.....	.....	.....	.....	359	0	28	1.5	927	7.2
116-61-20ccccl..	.....	8- 8-56	51	28	.23	114	35	59	7.3	400	0	215	16	.4	1.5	.29	.....	695	430	102	23	1.2	1,010	7.5
21cdccl..	18	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 928	...
31cdbbl..	19.9	8-10-56	.....	.....	.....	....	.....	52	....	384	0	178	29	.....	22	.....	.....	675	446	131	20	1.1	1,010	7.5
33abbbl..	25.6	8- 8-56	46	26	.17	228	68	45	7.3	331	0	365	64	.3	237	.19	1,200	1,290	848	577	10	.7	1,700	7.3
116-62-3abl.....	21.8	9-11-48	48	30	.20	150	56	48	1.6	408	0	134	107	.3	104	.00	.....	850	604	269	15	.8	1,280	7.4
11cbbbl..	22.0	9- 8-52	49	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,170	...
22ddl....	24.6	9- 8-52	51	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,080	...
28aal....	35	9- 8-52	51	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,260	...
29abbal..	27.0	9-10-52	54	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,400	...
30aaaa2..	26.0	9- -52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,600	...
30bbbbl..	66.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,340	...
30bbbb2..	15.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,210	...
116-63-4aaaal...	127.0	9-12-52	61	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	715	...
5ad2.....	25	9-11-48	50	29	2.0	479	165	433	11	529	0	1,700	376	.4	222	.48	3,680	4,320	1,870	1,440	33	4.4	4,670	7.0
		9- 9-52	50	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	4,800	...
5bbbbl...	20.0	9-12-52	60	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,550	...
25bbbbl..	146.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	958	...
25bbbb2..	35.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	784	...
26baaal..	60.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,260	...
26bbbbl..	121.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,530	...
26bbbb2..	19.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	851	...
27adl....	50	9- 8-52	48	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,570	...
29aaaal..	63.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,490	...
29aaaa2..	28.0	9-10-52	54	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	821	...
30aaaal..	71.0	9-10-52	53	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,630	...

See footnotes at end of table.

Table F.--Chemical analyses of water from deposits of Quaternary age--Continued

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Spink County--Continued																								
116-63-30aaaa2..	32.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	6,810	...
36dddd1..	27.7	9-28-51	.....	.....	.....	....	.....	226	....	0	66	695	19	.....	1.3	0.35	.....	.....	.....	.....	57	5.1	1,730	10.5
116-64-4cd1.....	23.0	7-12-49	48	.....	.....	....	.....	.....	....	548	0	5,680	1,210	.....	.....	.....	.....	.....	2,840	.....	....	.....	9,620	7.3
5ca2.....	32	9-11-48	50	32	0.12	510	180	329	12	549	0	1,600	232	0.7	386	.34	3,560	3,950	2,010	1,560	26	3.2	4,160	7.6
9dd1.....	16	7-12-49	48	.....	.....	....	.....	.....	....	384	0	332	77	.....	.....	.....	.....	.....	741	.....	....	.....	1,490	7.6
		9-11-52	64	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,680	...
15aa1....	30	7-12-49	.....	.....	.....	....	.....	.....	....	940	0	98	36	.....	.....	.....	.....	.....	606	.....	....	.....	1,040	7.2
15aa2....	35	7-12-49	.....	.....	.....	....	.....	.....	....	402	0	156	30	.....	.....	.....	.....	.....	596	.....	....	.....	1,060	7.2
15aa3....	20	7-12-49	50	.....	.....	....	.....	.....	....	576	0	484	134	.....	.....	.....	.....	.....	863	.....	....	.....	2,160	7.4
15ba1....	37	7-12-49	49	.....	.....	....	.....	.....	....	792	0	30	35	.....	.....	.....	.....	.....	577	.....	....	.....	1,220	7.4
15ba2....	30	7-12-49	48	.....	.....	....	.....	.....	....	354	0	201	31	.....	.....	.....	.....	.....	405	.....	....	.....	991	7.4
15dc1....	.....	7-12-49	49	.....	.....	....	.....	.....	....	347	0	214	34	.....	.....	.....	.....	.....	891	.....	....	.....	1,630	7.4
17cc1....	17.8	9-11-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	13,300	...
19dddd1..	51.0	9-12-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,420	...
19ddd2..	22.0	9-12-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	5,790	...
20ddd1..	133.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,620	...
20dddd2..	18.0	9-10-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,890	...
30aa1....	35	9-11-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,910	...
31bb1....	30	9- 9-52	49	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,060	...
32aa1....	23.0	9- 9-52	49	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	2,850	...
117-61-14bbbc2..	20	8- 8-56	48	30	.16	440	234	1,590	29	104	0	3,380	553	.8	1,240	.50	7,550	8,340	2,060	1,980	62	15	9,250	7.7
18cda1..	10	8- 8-56	49	.....	.....	....	.....	96		468	0	235	46	.....	1.1	.....	.....	825	485	101	30	1.9	1,240	7.4
19dccc1..	25	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,110	...
29bbcc1..	21.4	8- 8-56	48	29	.....	83	19	17	3.4	277	0	71	19	.1	1.3	.12	.....	393	286	59	11	.4	684	7.6
32baaa1..	27	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 988	...
32ddcd1..	12-15	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 793	...
32ddcd2..	.....	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 806	...
33addd1..	23.2	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,100	...
33cdcc1..	28	8- 8-56	49	.....	.....	....	.....	17		465	0	90	33	.....	198	.....	.....	818	644	263	5	.3	1,260	7.5
35bbbb2..	.....	8- 8-56	.....	.....	.....	....	.....	346		456	0	1,530	367	.....	134	.....	.....	3,680	1,840	1,470	29	3.5	4,330	7.5
117-62-9abbb1...	25.7	8- 8-56	.....	.....	.....	....	.....	313		556	0	1,310	54	.....	.8	.....	.....	2,570	1,220	764	36	3.9	2,990	7.4
117-62-13bada1:																								
1,840 min.....	73.0	11-10-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,960	...
3,000 min.....		11-11-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,950	...
4,320 min.....		11-12-53	49	28	4.2	455	145	406	15	469	0	2,080	81	.5	.1	.65	3,450	3,700	1,730	1,350	34	4.2	3,940	7.2
117-62-14cbcc1..	23.5	8- 8-56	48	.....	.....	....	.....	83		488	0	535	21	.....	16	.....	.....	1,270	820	420	18	1.3	1,640	7.8
15add1..	.....	8- 8-56	55	.....	.....	....	.....	224		459	0	600	28	.....	3.4	.....	.....	1,330	556	180	47	4.1	1,820	7.4
26bbcc1..	21.0	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 5,050	...
35bb1....	28.3	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 3,510	...
35dcdc2..	22	.....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	a 1,430	...
117-64-4cbdd2:																								
1 min.....	110.0	10-20-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	875	...
9 min.....		10-20-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	939	...
45 min.....		10-20-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	961	...
3 hr.....		10-20-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	985	...
8 hr.....		10-20-53	49	30	.57	79	35	91	8.0	407	0	131	58	.2	2.1	.26	635	.....	339	5	36	2.1	1,020	7.6
13 hr 19 min..		10-20-53	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	1,040	...

See footnotes at end of table.

Table F .--Chemical analyses of water from deposits of Quaternary age--Continued

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Spink County--Continued																								
117-64-9ccl	29	8-17-49	48							450	0	1,260	134						858				3,440	7.1
19dbl	18	8-18-49	48							600	0	424	50						1,010				1,440	7.5
20cdl	55	8-11-49	51							612	0	392	169						1,090				2,940	7.5
32ddddl	40.0	9-12-52	63																				1,080	
33dcl	21.5	8-17-49	49							524	0	1,680	304						1,370				3,990	7.3
35dddd1	24.0	9-12-52	59																				2,700	
118-61-2caaal	18																						a 3,380	
118-62-8bbbb1	80.2	8- 8-56	52	28	2.1	455	174	308	19	436	0	1,940	122	0.5	14	0.91	3,280	3,660	1,850	1,490	26	3.1	3,850	7.5
118-63-36aadl	180	8- 8-56	69					2,150		702	0	2.5	3,090		1.5			5,630	255	0	95	59	10,100	7.8
118-64-7ccccl	53.0	10- 9-51						510		299	0	1,700	354		.6	.88					44	5.9	4,130	7.8
		9- 8-52	57																				6,200	
7cccc2	19.0	10- 9-51						584		394	0	1,070	357		.8	2.7					65	9.8	3,520	7.4
8ccccl	43.0	10- 9-51						860		280	0	2,790	502		.8	1.1					49	8.4	6,190	7.6
		9- 4-52																					2,510	
8cccc2	19.0	10- 9-51						672		302	0	1,220	380		.8	2.3					71	12	3,790	7.6
		9- 4-52																					1,270	
9dddd1	58.0	10- 9-51						396		402	0	413	228		1.1	.60					80	12	2,110	7.6
		9- 4-52																					1,890	
9dddd2	31.0	10- 9-51						331		390	0	748	194		.4	.49					52	5.6	2,480	7.2
		9- 4-52																					1,660	
9dddd3	18.5	10- 9-51						340		217	10	585	198		.3	.45					68	8.0	2,110	8.4
		9- 4-52																					755	
12dddd1	45.0	10- 9-51						754		338	20	1,050	315		7.4	2.7					88	22	3,580	8.6
		9- 4-52																					1,520	
12dddd2	19.0	10- 9-51						650		434	31	850	311		1.2	3.4					82	16	3,290	8.6
		9- 4-52																					736	
13bbbb1	45.0	10- 9-51						742		270	0	1,120	822		1.0	1.8					63	11	4,710	7.9
		8-19-52																					6,340	
13bbbb2	18.0	10- 9-51						676		289	9	940	349		.7	2.8					85	17	3,300	8.3
		8-19-52																					707	
118-64-34bcddl:																								
1 min	67.0	10-12-53	50																				3,610	
5 min		10-12-53	50																				3,750	
30 min		10-12-53	49																				3,800	
3 hr		10-12-53	49																				3,840	
5 hr		10-12-53	49																				3,840	
7 hr		10-12-53	49	30	1.0	178	40	612	15	288	0	573	788	.4	8.2	1.5	2,390	2,470	610	374	68	11	3,870	7.2
9½ hr		10-12-53																					3,870	
11½ hr		10-12-53																					3,850	
13½ hr		10-13-53																					3,870	
15½ hr		10-13-53																					3,850	
17½ hr		10-13-53																					3,840	
21½ hr		10-13-53																					3,780	
27½ hr		10-13-53																					3,830	
30½ hr		10-13-53																					3,840	
37½ hr		10-14-53																					3,830	
42½ hr		10-14-53																					3,820	
48 hr		10-14-53																					3,820	

See footnotes at end of table.

Table F.--Chemical analyses of water from deposits of Quaternary age

Location	Depth (feet)	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	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: Sum	Dissolved solids: Residue on evaporation at 180°C	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium-adsorption-ratio	Specific conductance (micromhos per cm)	pH
Spink County--Continued																								
119-61-9abl.....	.....	8- 8-56	48	22	e 0.39	29	9.1	284	6.2	628	0	180	39	0.2	3.0	0.86	.....	928	110	0	84	12	1,460	8.1
119-64-3bbbbl...	24	8-14-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	7,050	...
8cbl.....	19.7	8- 5-49	52	.....	.....	....	.....	.....	....	287	0	20	21	.....	.....	.....	.....	.....	287	.....	....	.....	557	7.6
8cb2.....	20	8- 5-49	50	.....	.....	....	.....	.....	....	319	0	30	18	.....	.....	.....	.....	.....	298	.....	....	.....	551	7.3
19bal....	37	8-15-49	47	.....	.....	....	.....	.....	....	461	0	172	204	.....	.....	.....	.....	.....	600	.....	....	.....	1,770	7.3
120-61-7aal.....	.....	8- 8-56	47	27	.27	70	35	100	8.6	450	0	103	47	.2	3.7	.22	.....	624	320	0	40	2.4	1,010	8.1
120-63-6bbbbl...	24	8-19-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	811	...
28ddddl..	40.0	8-14-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,380	...
30ccccl..	87.0	8-14-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	3,210	...
120-64-2aal.....	37.6	7-21-49	46	.....	.....	....	.....	.....	....	218	0	372	67	.....	.....	.....	.....	.....	460	.....	....	.....	1,210	7.3
		8-17-49	.....	14	1.0	108	49	138		233	0	448	80	.0	1.6	.....	955	1,010	471	280	39	2.8	1,370	7.2
16ddddl..	25.4	8-19-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	7,590	...
120-64-25ecdcl:																								
6 hr.....	70.0	7-24-52	47	19	.....	495	251	810	13	416	0	1,820	1,310	.6	4.1	1.4	4,930	5,480	2,270	1,930	44	7.4	6,820	7.7
	70.0	9-30-52	75	.....	.....	....	.....	863		660	0	930	1,190	.....	.....	.....	.....	.....	1,310	769	59	10	5,710	7.4
26da2....	52.5	7-25-49	47	.....	.....	....	.....	.....	....	338	0	1,360	800	.....	.....	.....	.....	.....	2,610	.....	....	.....	4,590	7.1
27ccccl..	63.0	8-14-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	4,190	...
30ccccl..	60.0	8-15-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	4,810	...
30cccc2..	28.0	8-15-52	.....	.....	.....	....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	5,380	...
31cdl....	33.3	8-11-49	49	.....	.....	....	.....	.....	....	601	0	3,280	2,640	.....	.....	.....	.....	.....	3,190	.....	....	.....	12,400	6.7
35adl....	50.7	7-25-49	48	.....	.....	....	.....	.....	....	354	0	290	113	.....	.....	.....	.....	.....	456	.....	....	.....	1,530	6.9

a Field determination made in 1956 at time of sampling.
b Manganese (Mn), 0.00 ppm.
c Manganese (Mn), 1.5 ppm.
d Manganese (Mn), 0.15 ppm.
e Manganese (Mn), 0.03 ppm.