

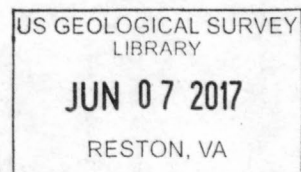
HYDROLOGIC DATA FOR THE ARBUCKLE MOUNTAIN AREA,
SOUTH-CENTRAL OKLAHOMA

By Roy W. Fairchild and Robert E. Davis

U.S. GEOLOGICAL SURVEY

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OKLAHOMA GEOLOGICAL SURVEY



Seal

Oklahoma City, Oklahoma

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CONVERSION FACTORS

For those readers who may prefer metric units, the conversion factors for the inch-pound units used in this report are given below:

<u>Multiply inch-pound unit</u>	<u>By</u>	<u>To obtain metric unit</u>
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi ²)	2.590	square kilometer (km ²)
gallon per minute (gal/min)	.06309	liter per second (L/s)
cubic foot per second (ft ³ /s)	.02832	cubic meter per second (m ³ /s)

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INTRODUCTION

The data in this report were collected during an investigation of the hydrology of the Arbuckle Mountain area in south-central Oklahoma (fig. 1). The investigation was conducted cooperatively with the Oklahoma Geological Survey. Included are data from streams, springs, and wells that tap the Arbuckle-Simpson aquifer. Some of the data listed were collected by Hart (1974) and some are from the files of the U.S. Geological Survey; all other data were collected in the field during 1977-79.

The Arbuckle-Simpson aquifer consists of the following groups in ascending order of age: (1) The Timbered Hills Group (Upper Cambrian); (2) the Arbuckle Group (Upper Cambrian to Lower Ordovician); and (3) the Simpson Group (Middle Ordovician). A generalized lithologic description and the water-yielding characteristics of each group are listed in table 1.

The stratigraphic nomenclature and age determinations used in this report are those accepted by the Oklahoma Geological Survey and do not necessarily agree with those of the U.S. Geological Survey.

Acknowledgment is extended to the many residents in the area who supplied information on wells, use of water, and other pertinent data presented in this report.

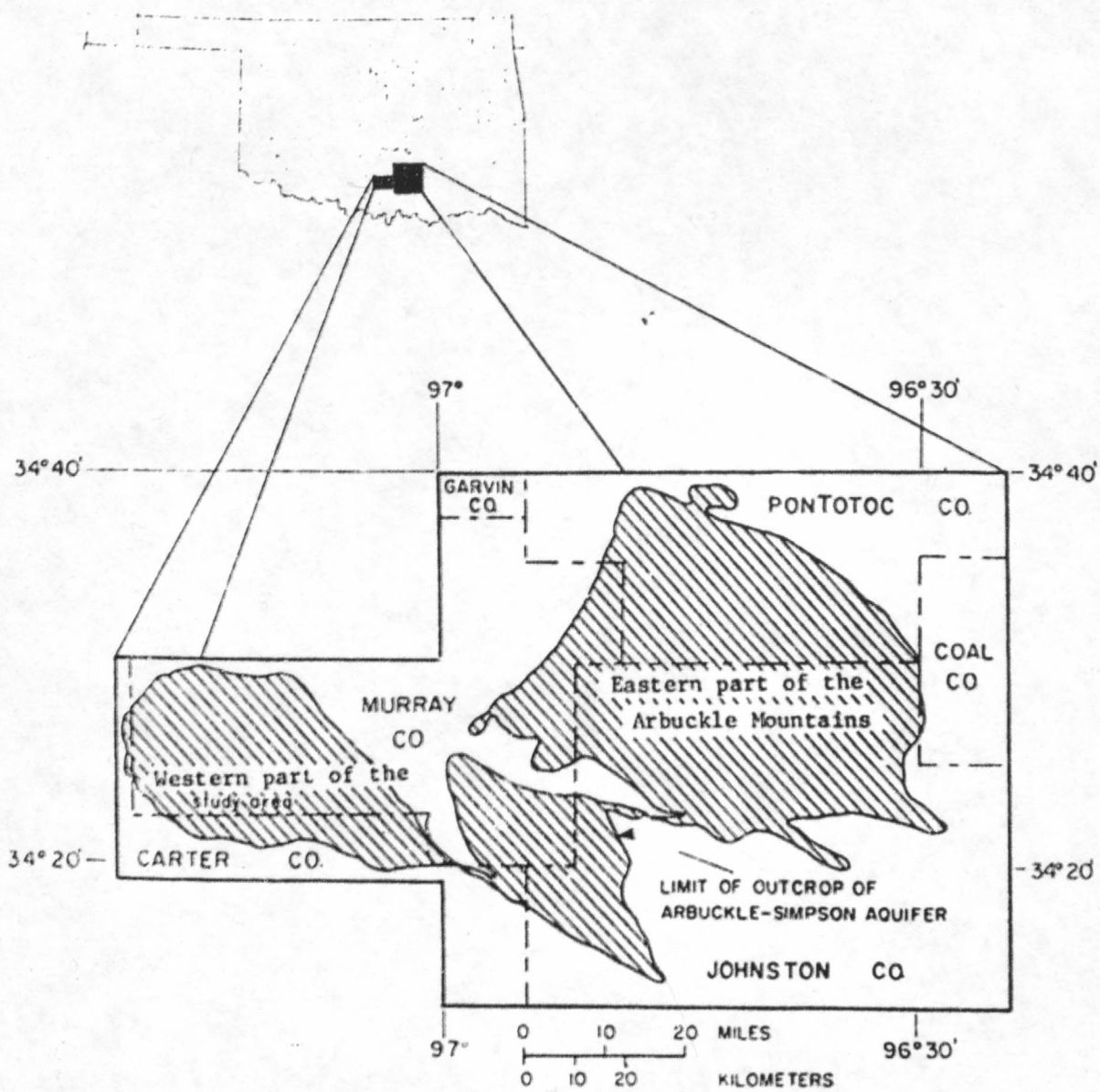


Figure 1.--Location of study area.

Table 1.--Generalized lithologic description and water-yielding characteristics of strata that make up the Arbuckle-Simpson aquifer (modified from Hart, 1974)

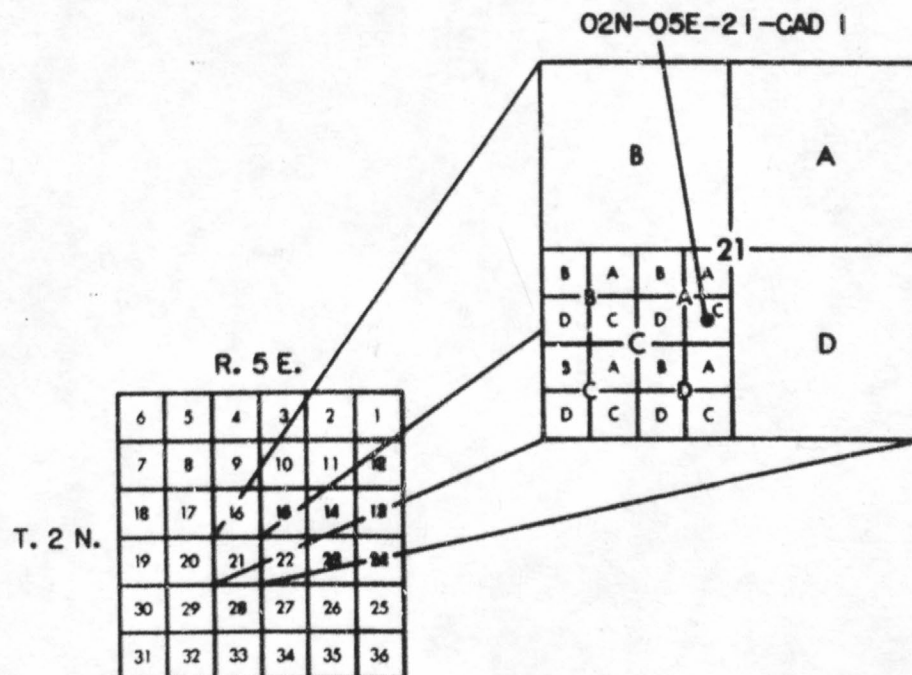
Series	Group	Thickness (feet)	Lithologic description and water-yielding characteristics
Middle Ordovician	Simpson Group	1,000 to 2,300	Upper part consists of buff limestone, grayish green shale, and brown to white, fine- to medium-grained sandstone. Lower part consists of gray to tan granular limestone, with greenish-gray shale and brown, fine- to medium-grained sandstone. Yields of 100 to 200 gal/min are common and some wells are reported to yield as much as 400 gal/min.
Upper Cambrian to Lower Ordovician	Arbuckle Group	4,000 to 6,700	Limestone and dolomite with a few thin beds of sandstone in the eastern part of the area. Yields of 200 to 500 gal/min are common and some wells 800 to 1,000 ft deep have produced as much as 2,500 gal/min.
Upper Cambrian	Timbered Hills Group	63 to 460	Very glauconitic and silty, gray- to greenish-brown, compact fine- to coarsely-crystalline limestone, and light- to dark-brown, fine- to coarse-grained sandstone. Probably yields only limited amounts of water.

Arbuckle aquifer

SITE-NUMBERING SYSTEM

The method used in this report to assign a local number to a data-collection site is based on its location in a particular township, range and quarter-quarter-quarter section. As shown in the diagram below, the location of a site indicated by the dot would be given the number 02N-05E-21 CAD 1. The fractional parts of the section are given from larger to smaller areas of the section. The final digit (1) is the sequential number of a site within the smallest fractional subdivision.

The same system was used for assigning location numbers to the streamflow-measuring sites shown on figures 2 and 3 and listed in table 3, and the location numbers of springs shown on figures 4 and 5 and listed in table 4.



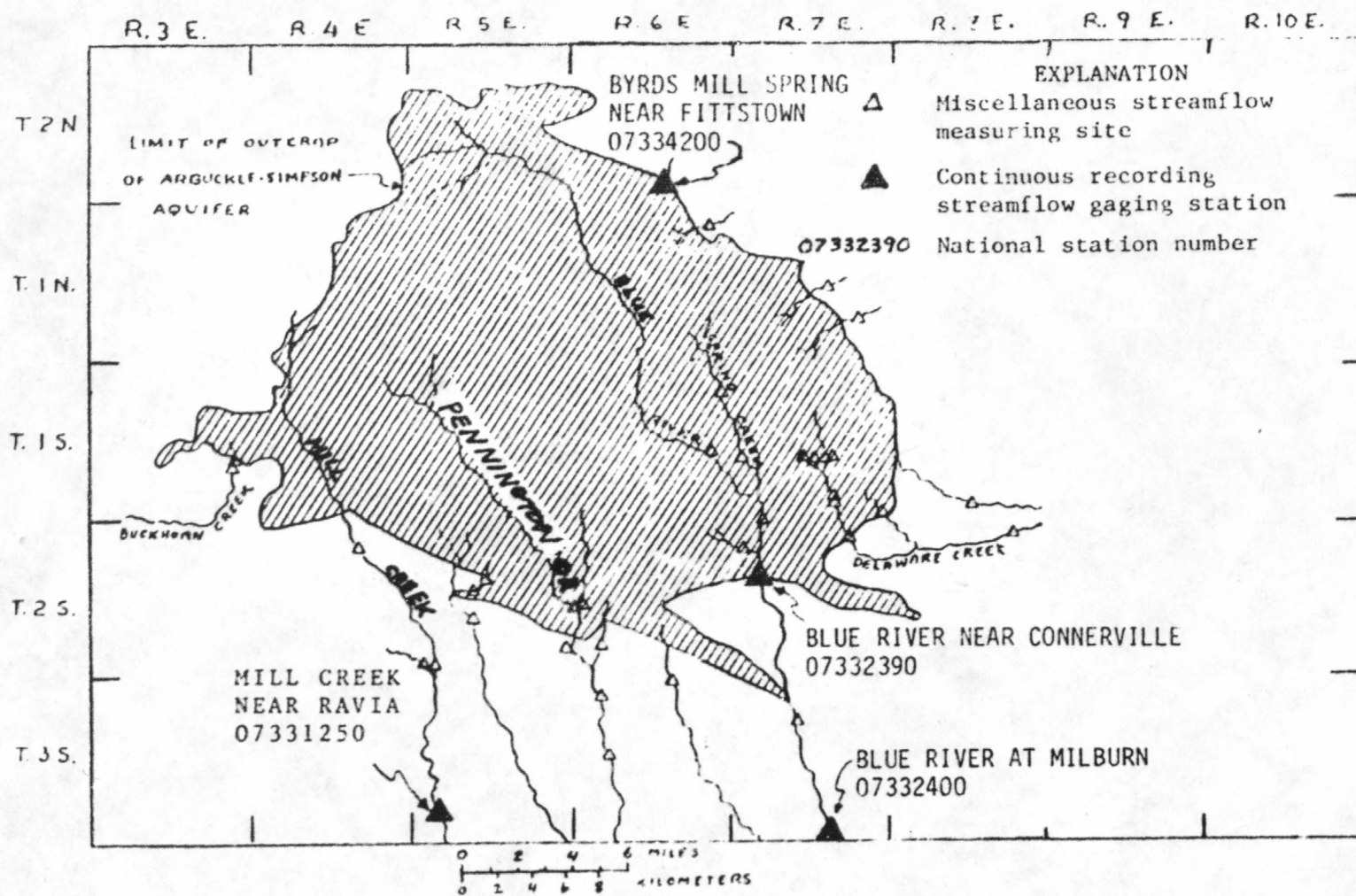


Figure 2.--Location of streamflow measuring sites in the eastern part of the study area.

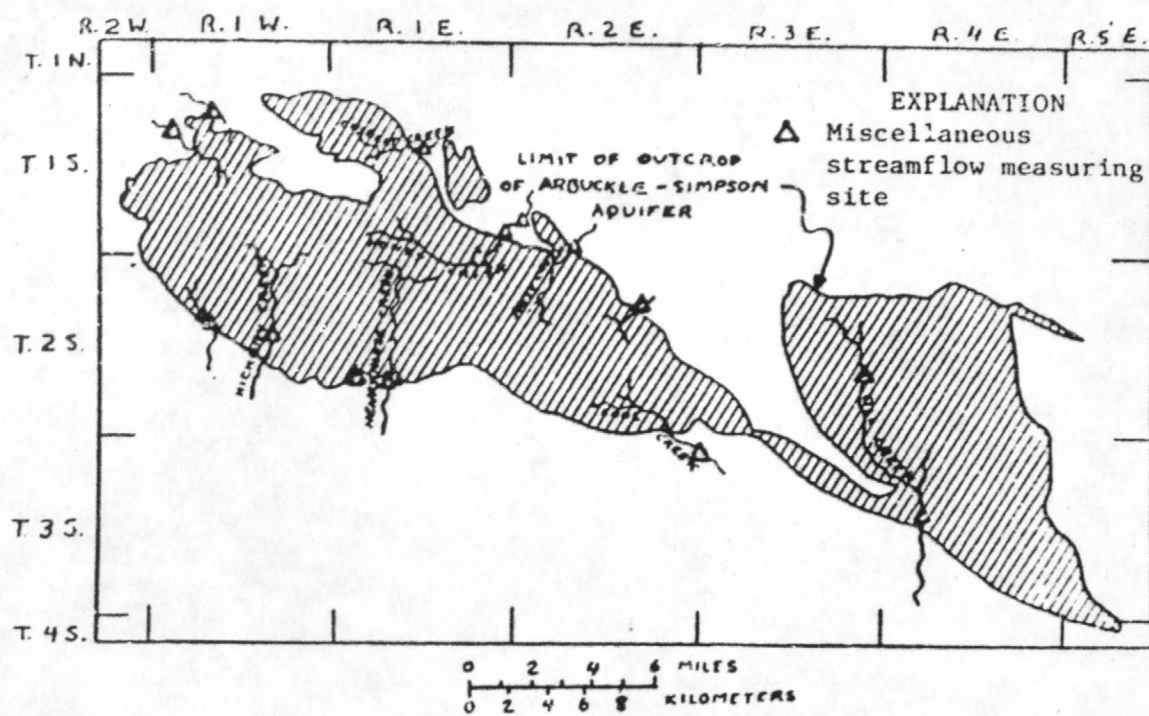


Figure 3.--Location of streamflow measuring sites in the western part of the study area.

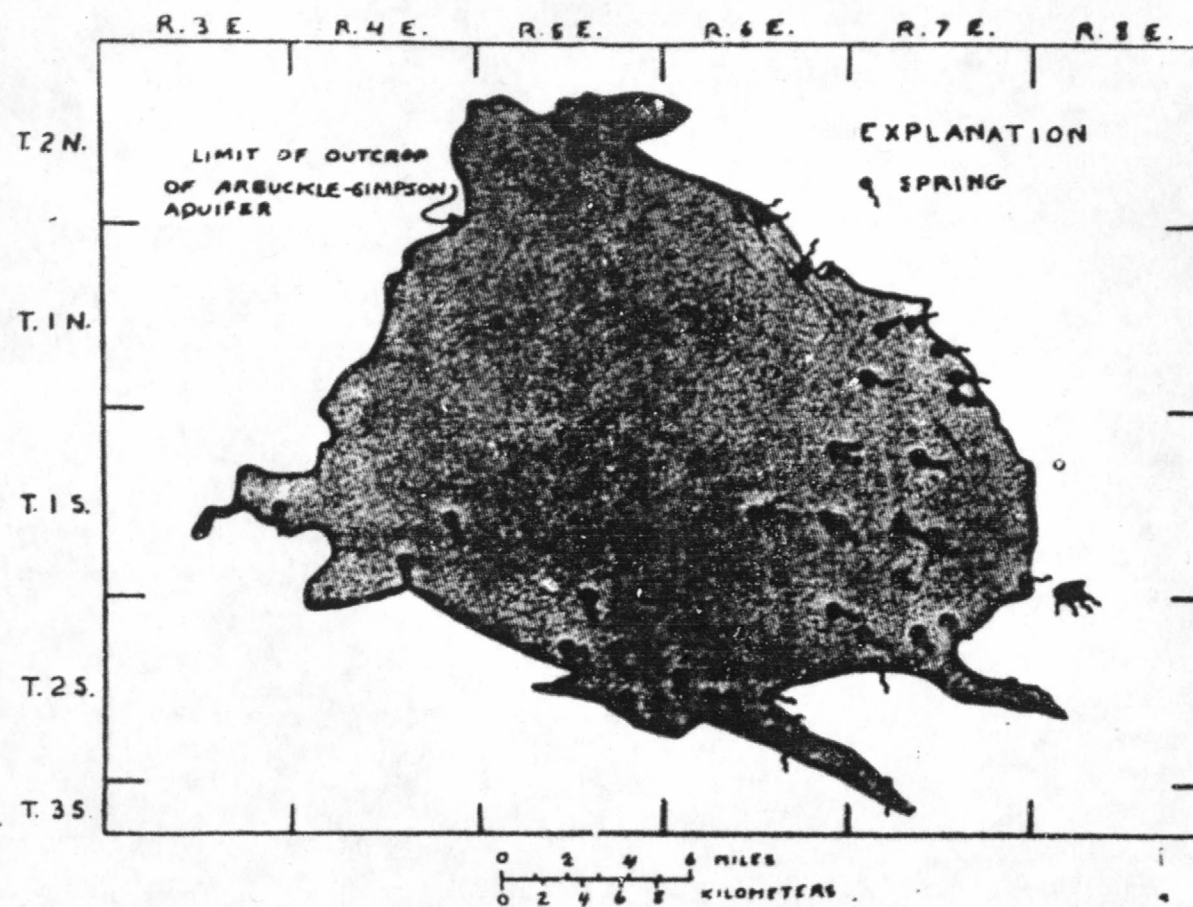


Figure 4.--Location of springs in the eastern part of the study area.

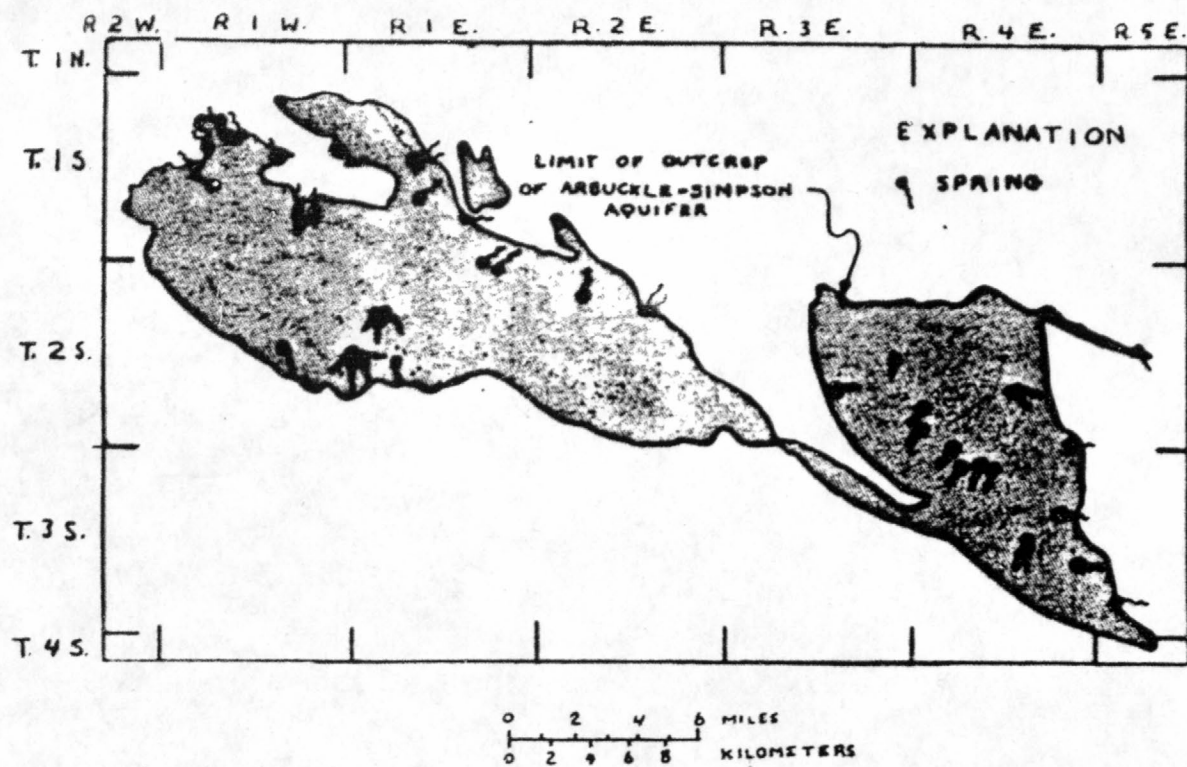


Figure 5.--Location of springs in the western part of the study area.

SELECTED REFERENCES

- Ham, W. E., 1969, Geology of the Arbuckle Mountains: Oklahoma Geological Survey Guide Book XVII, 62 p.
- Hart, D. L., Jr., 1974, Reconnaissance of the water resources of the Ardmore and Sherman quadrangles, southern Oklahoma: Oklahoma Geological Survey Hydrologic Atlas 3, 4 sheets, scale 1:250,000.
- Havens, J. S., 1978, Ground-water records for eastern Oklahoma, Part 2 - Water-quality records for wells, test-holes, and springs: U.S. Geological Survey Open-File Report 78-357, 139 p.
- Havens, J. S., and Bergman, D. L., 1976, Ground-water records for south-eastern Oklahoma, Part 1 - Records of wells, test-holes, and springs: U.S. Geological Survey Open-file report, 59 p.

Table 2.--Records of wells

[Depth: In feet below land surface. Principal aquifer: 364SMPS, Simpson Group; 367ABCKU, upper Arbuckle Group; 371ABCKL, lower Arbuckle Group; 371THBH, Timbered Hills Group. Use of water: H, domestic; C, commercial; I, irrigation; N, industrial; P, public supply; S, stock supply; U, unused. Water level: In feet above (+) or below land surface; D, dry; F, flowing. Lift type: J, jet; P, piston; S, submergible; T, turbine; U, unknown. Date completed: Date well drilled.

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
CARTER COUNTY									
02S-01E-22 CCD 1	104	--	364SMPS	H,S	1100	40.00	--	T	01/01/1956
02S-01E-22 CUA 1	82	5	364SMPS	H,S	1110	54.78	02/22/1978	J	--
02S-01E-22 DCC 1	72	5	364SMPS	H	1130	31.50	02/22/1978	S	--
02S-01E-24 CDA 1	145	6	364SMPS	S	1090	40.36	02/23/1978	P	01/01/1956
COAL COUNTY									
01S-08E-32 CCA 1	400	6	364SMPS	U	770		F 03/09/1977	--	--
01S-08E-32 CCA 2	600	6	364SMPS	U	770		F --	--	--
01S-08E-32 CCA 3	600	6	364SMPS	U	770		F --	--	--
01S-08E-32 CCA 4	600	6	364SMPS	U	770		F 03/09/1977	--	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
JOHNSTON COUNTY									
01S-04E-02 AAB 1	185	7	367ABCKU	S	1210	131.00	01/18/1977	P	--
01S-04E-03 AAC 1	203	8	367ABCKU	H	1240	60.00	03/ /1961	U	1950
01S-04E-03 AAD 1	230	6	367ABCKU	H,S	1245	169.93	01/19/1977	S	--
01S-04E-11 DCC 1	148	5	367ABCKU	U	1190	97.87	01/18/1977	--	--
01S-04E-11 DDD 1	130	6	367ABCKU	U	1185	62.00	03/ /1961	--	--
01S-04E-12 ADA 1	110	5	367ABCKU	S	1135	48.00	01/25/1977	J	--
01S-04E-12 BBB 1	--	7	367ABCKU	S	1170	110.20	01/18/1977	P	08/ /1939
01S-04E-13 ABB 1	235	6	3643MPS	H	1165	115.20	01/18/1977	S	1955
01S-04E-13 BBC 1	44	6	367ABCKU	U	1185	16.00	03/ /1961	--	1940
01S-04E-13 CAA 1	75	6	3643MPS	H	1200	51.28	06/02/1977	J	--
01S-04E-22 AAA 1	30	6	3643MPS	U	1098	26.00	03/ /1961	--	--
01S-04E-22 COC 1	135	6	367ABCKU	H	1095	47.20	02/08/1977	S	--
01S-04E-23 ABA 1	35	18	3643MPS	U	1110	21.00	03/ /1961	--	--
01S-04E-24 BBB 1	119	5	3643MPS	U	1135	27.93	02/04/1977	--	--
01S-04E-25 ADD 1	86	7	367ABCKU	S	1095	61.72	01/27/1977	P	--
01S-04E-25 CDD 1	185	6	367ABCKU	U	1130	72.76	04/27/1977	P	--
01S-04E-35 CDD 1	83	6	367ABCKU	U	1095	19.06	02/04/1977	--	--
01S-05E-02 CAC 1	173	6	367ABCKU	S	1180	128.88	01/20/1977	P	08/ /1935
01S-05E-03 UBD 1	230	7	367ABCKU	S	1220	121.70	01/21/1977	P	--
01S-05E-06 BDA 1	190	6	367ABCKU	S	1190	113.42	01/20/1977	P	--
01S-05E-08 BDD 1	104	6	3643MPS	U	1120	39.30	01/25/1977	P	--
01S-05E-08 CCC 1	147	5	367ABCKU	S	1024	20.00	03/ /1961	P	1936
01S-05E-09 ABB 1	176	7	367ABCKU	S	1190	115.51	01/21/1977	P	--
01S-05E-12 HBA 1	170	7	367ABCKU	S	1158	118.95	01/20/1977	P	1938
01S-05E-12 CCC 1	160	6	367ABCKU	S	1140	114.45	01/20/1977	P	08/10/1936
01S-05E-15 BCC 1	129	6	367ABCKU	S	1100	52.00	01/21/1977	P	--
01S-05E-16 DBA 1	200	--	367ABCKU	S	1120	--	--	P	--
01S-05E-17 DDC 1	202	6	3643MPS	H,S	1105	22.03	04/29/1977	S	--
01S-05E-18 AAC 1	106	7	367ABCKU	H,S	1110	11.28	04/29/1977	J	01/ /1940
01S-05E-19 ACC 1	155	6	3643MPS	S	1185	75.37	02/03/1977	P	--
01S-05E-20 DAA 1	80	5	3643MPS	U	1105	48.70	04/27/1977	--	--
01S-05E-23 ADH 1	171	5	367ABCKU	--	1090	30.50	05/24/1977	P	--
01S-05E-26 CDD 1	114	8	367ABCKU	H	1060	75.00	10/ /1968	P	1938
01S-05E-27 AAB 1	267	6	367ABCKU	H,S	1105	55.79	05/24/1977	S	--
01S-05E-27 DBA 1	113	6	367ABCKU	S	1095	71.51	02/02/1977	P	--
01S-05E-28 CCA 1	80	--	367ABCKU	S	1090	61.90	02/03/1977	P	--
01S-05E-29 CCC 1	165	5	367ABCKU	H	1085	91.00	10/ /1968	P	1953
01S-05E-31 CRC 1	--	6	367ABCKU	U	1060	27.45	02/03/1977	P	--
01S-05E-32 BBD 1	203	7	367ABCKU	H	1145	112.77	02/03/1977	S	--
01S-05E-32 CAA 1	212	6	367ABCKU	S	1155	122.80	02/03/1977	P	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
JOHNSTON COUNTY -- CONTINUED									
019-05E-33 ACC 1	95	5	367ABCKU	S	1100	88.25	02/03/1977	P	--
019-05E-35 ACA 1	110	6	367ABCKU	S	1090	84.13	02/02/1977	P	--
019-05E-36 CCC 1	93	6	367ABCKU	U	1065	67.52	12/09/1976	--	--
019-06E-01 AAB 1	80	6	3643MPS	H	1065	18.44	01/25/1977	S	--
019-06E-01 DCD 1	60	--	3643MPS	--	1030	30.00	--	--	--
019-06E-02 CCA 1	121	6	367ABCKU	S	1062	46.00	11/03/1976	P	--
019-06E-05 CCC 1	123	6	367ABCKU	S	1105	72.81	11/03/1976	P	--
019-06E-07 DCD 1	115	6	367ABCKU	S	1092	63.13	11/03/1977	P	--
019-06E-10 ACA 1	125	6	367ABCKU	S	1120	96.20	11/03/1976	P	--
019-06E-12 BAD 2	300	6	367ABCKU	H	1010	3.04	02/07/1977	J	--
019-06E-12 CCA 1	66	6	367ABCKU	H	1042	26.90	01/07/1977	J	--
019-06E-13 AAA 1	97	6	3643MPS	H	992	13.67	02/09/1977	S	--
019-06E-13 CAD 1	30	24	367ABCKU	U	1020	21.70	01/07/1977	J	--
019-06E-13 DDC 1	72	6	367ABCKU	H	982	9.08	02/09/1977	S	--
019-06E-14 BAA 1	150	8	367ABCKU	S	1075	51.00	10/ /1968	P	--
019-06E-14 DAB 1	285	6	367ABCKU	H	1052	24.45	01/07/1977	S	--
019-06E-18 CDD 1	119	6	367ABCKU	S	1085	68.80	11/03/1976	P	--
019-06E-19 CAA 1	90	6	367ABCKU	H	1090	74.09	11/17/1976	S	--
019-06E-20 BCA 1	138	6	367ABCKU	H	1130	112.07	11/17/1976	S	--
019-06E-23 ADA 1	29	8	367ABCKU	C	985	9.83	01/09/1977	J	--
019-06E-24 ADD 1	275	6	3643MPS	H	982	20.84	02/08/1977	S	--
019-06E-25 CHB 1	146	6	367ABCKU	U	998	18.47	01/06/1977	J	--
019-06E-26 AB 1	100	--	367ABCKU	--	1010	4.00	--	--	--
019-06E-28 CBC 1	177	6	367ABCKU	S	1078	88.59	11/04/1977	P	--
019-06E-30 DDC 1	67	6	367ABCKU	H	1080	57.38	11/17/1976	S	--
019-06E-30 DDC 1	50	6	367ABCKU	H	1080	22.46	11/17/1976	S	--
019-06E-32 DAA 1	149	--	367ABCKU	U	1045	92.11	11/04/1976	--	--
019-06E-33 DHD 1	229	6	367ABCKU	H	1058	195.91	11/04/1976	S	--
019-06E-35 BDB 1	78	6	367ABCKU	S	988	4.59	11/04/1976	P	--
019-06E-36 AAC 1	127	6	3643MPS	H	955	8.84	02/03/1977	S	--
019-06E-36 BHB 1	104	6	367ABCKU	H	1010	9.65	01/06/1977	J	--
019-07E-02 CHB 1	130	6	3643MPS	S	1080	97.98	02/09/1977	P	--
019-07E-06 BHB 1	53	--	3643MPS	U	1058	12.26	01/23/1977	--	--
019-07E-07 ADD 1	225	6	3643MPS	H	1030	23.40	02/09/1977	S	--
019-07E-07 ADD 1	44	5	3643MPS	H	1060	18.00	10/ /1968	S	1944
019-07E-07 BDC 1	16	--	3643MPS	U	1025	12.04	02/09/1977	P	--
019-07E-08 BAA 1	200	6	3643MPS	S	1122	20.23	02/09/1977	P	--
019-07E-08 DAO 1	101	6	3643MPS	H	1070	27.33	02/09/1977	S	--
019-07E-10 ACD 1	263	8	3643MPS	S	1010	76.91	02/09/1977	P	--
019-07E-13 DHB 1	250	5	3643MPS	S	1000	66.59	02/10/1977	P	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
JOHNSTON COUNTY -- CONTINUED									
019-07E-14 CCC 1	37	6	3649MPS	U	968	22.86	02/10/1977	B	--
019-07E-17 AAD 1	130	7	3649MPS	S	1082	63.90	02/09/1977	P	--
019-07E-17 BCD 1	92	8	3649MPS	H	1060	28.39	02/09/1977	P	--
019-07E-18 BCA 1	90	6	3649MPS	H	998	16.57	03/09/1977	S	--
019-07E-18 CCA 1	75	6	3649MPS	H	1040	38.76	03/07/1977	S	--
019-07E-19 AAA 1	72	6	3649MPS	H	1005	15.79	03/09/1977	S	--
019-07E-19 AAD 1	60	6	3649MPS	H	1012	11.53	02/08/1977	S	--
019-07E-19 CDB 1	95	6	3649MPS	H	965	10.88	02/07/1977	S	--
019-07E-19 DDD 1	31	36	3649MPS	H	970	12.00	10/ /1968	--	--
019-07E-20 BAC 1	90	6	3649MPS	H	1025	15.07	02/08/1977	S	--
019-07E-20 CDA 1	6	6	3649MPS	H	980	0.00	--	C	--
019-07E-21 BAD 1	27	6	3649MPS	U	980	11.60	02/01/1977	--	--
019-07E-21 CCA 1	131	6	3649MPS	U	1022	39.90	02/03/1977	J	--
019-07E-22 ABA 1	36	--	3649MPS	U	875	10.77	02/03/1977	--	--
019-07E-22 CDA 1	51	6	3649MPS	H	870	21.18	02/03/1977	S	--
019-07E-23 BCC 1	1400	12	3649MPS	S	865		F 02/01/1977	--	--
019-07E-23 DDD 1	140	6	3649MPS	H	985	47.21	02/04/1977	S	--
019-07E-24 CCC 1	150	6	3649MPS	H	925	90.00	10/ /1968	S	--
019-07E-25 CBC 1	287	5	3649MPS	S	955	52.38	02/04/1977	P	--
019-07E-28 AAB 1	85	6	3649MPS	H	875	10.80	02/01/1977	J	--
019-07E-29 CAA 1	25	6	3649MPS	U	972	8.88	02/08/1977	B	--
019-07E-30 ADA 1	147	6	3649MPS	H	960	17.89	02/01/1977	J	--
019-07E-30 CAB 1	100	6	3649MPS	H	980	21.18	02/09/1977	S	--
019-07E-30 CCD 1	125	--	3649MPS	H	955	25.00	--	--	--
019-07E-31 BOA 1	29	--	3649MPS	U	990	16.10	02/02/1977	--	--
019-07E-31 CCB 1	42	6	3649MPS	U	990	19.39	11/18/1976	S	--
019-07E-31 DAA 1	19	--	3649MPS	U	952	10.27	02/02/1977	--	--
019-07E-32 AAB 1	26	6	3649MPS	H	1005	20.84	02/08/1977	S	--
019-07E-32 CCB 1	72	6	3649MPS	H	933	14.59	11/18/1976	S	--
019-07E-32 DDA 1	--	6	3649MPS	H	945	38.18	02/02/1977	S	--
019-07E-33 BBC 1	100	--	3649MPS	H	1008	38.34	02/08/1977	--	--
019-07E-34 ABA 1	175	6	3649MPS	H	815	17.72	02/04/1977	S	--
019-07E-34 ABC 1	90	6	3649MPS	H	795		F 02/04/1977	C	--
029-04E-15 ABD 1	100	6	3649MPS	U	1150	70.00	02/08/1977	--	--
029-04E-23 CAB 1	17	--	371ABCKL	H	1027	3.24	03/15/1977	J	--
029-04E-26 BBC 1	125	7	371ABCKL	S	1090	16.72	03/14/1977	J	--
029-04E-26 CBA 1	--	--	371ABCKL	U	1095	29.30	02/07/1977	--	--
029-04E-26 CBD 1	20	42	367ABCKU	H	1074	10.00	10/ /1968	J	1936
029-04E-26 CCB 1	30	6	371ABCKL	H	1050	8.23	03/14/1977	J	--
029-04E-35 CBC 1	37	6	367ABCKU	S	1025	5.05	03/14/1977	J	--

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
JOHNSTON COUNTY -- CONTINUED									
029-05E-01 BCB 1	270	6	367ABCKU	H	1055	46.61	12/09/1976	S	--
029-05E-01 BCD 1	65	6	367ABCKU	H	1040	33.84	12/09/1976	S	--
029-05E-01 DDC 1	58	7	367ABCKU	H	1035	12.40	12/09/1976	J	--
029-05E-03 ACA 1	140	6	367ABCKU	H	1110	95.70	03/25/1977	P	--
029-05E-03 CBC 1	180	6	367ABCKU	S	1130	100.05	01/31/1977	P	--
029-05E-06 B 1	110	--	364SMP8	H	--	50.00	--	--	--
029-05E-06 CD 1	250	7	364SMP8	P	1050	33.00	12/ /1963	S	1963
029-05E-08 ABB 1	110	11	364SMP8	P	1010	14.24	01/17/1977	--	08/31/1974
029-05E-08 ABB 2	107	14	364SMP8	P	1010	21.15	01/17/1977	--	11/05/1976
029-05E-08 ABB 3	167	14	364SMP8	P	1010	16.84	01/17/1977	--	11/15/1976
029-05E-09 BBA 1	130	6	367ABCKU	S	1095	55.62	01/31/1977	P	--
029-05E-10 AAA 1	180	5	367ABCKU	S	1045	50.52	06/02/1977	P	--
029-05E-10 DDD 1	183	6	367ABCKU	S	1075	39.70	06/02/1977	P	--
029-05E-13 BAB 1	51	6	367ABCKU	U	980	22.36	12/09/1976	--	--
029-05E-15 DDC 1	100	6	364SMP8	H	1035	24.24	05/25/1978	P	--
029-05E-17 BBB 1	72	--	364SMP8	H	980	36.00	10/ /1968	B	--
029-05E-24 DDD 1	230	6	367ABCKU	H	955	45.11	01/03/1977	S	--
029-05E-25 ADA 1	33	6	367ABCKU	H	930	14.71	01/03/1977	S	--
029-06E-01 BCB 1	29	6	364SMP8	U	955	10.59	01/06/1977	P	--
029-06E-02 DAD 1	175	6	367ABCKU	S	990	49.08	01/06/1977	J	--
029-06E-03 BCD 1	93	--	367ABCKU	U	1008	63.88	11/04/1976	P	--
029-06E-04 CAB 1	143	--	367ABCKU	S	1075	123.78	11/04/1976	P	--
029-06E-11 CAA 1	138	6	367ABCKU	H	982	49.30	12/06/1976	S	--
029-06E-12 ABB 1	100	6	367ABCKU	S	955	38.38	02/02/1977	S	--
029-06E-12 CCB 1	75	4	367ABCKU	U	960	34.91	11/11/1976	--	--
029-06E-13 BBC 1	--	6	367ABCKU	H	958	33.99	02/07/1977	S	--
029-06E-13 CDB 1	74	6	367ABCKU	H	925	11.32	01/04/1977	J	--
029-06E-15 DDB 1	145	6	371ABCKL	H	992	21.43	12/06/1976	S	--
029-06E-16 BAA 1	193	6	367ABCKU	S	1010	19.00	10/ /1968	P	--
029-06E-16 DDC 1	139	6	371ABCKL	S	993	26.97	12/06/1976	P	--
029-06E-20 DAA 1	--	--	364SMP8	H	930	8.00	--	S	--
029-07E-03 BBB 1	84	6	364SMP8	U	885	0.544	02/08/1977	--	--
029-07E-03 DAC 1	90	6	364SMP8	H	792	17.40	02/02/1977	B	--
029-07E-04 CAD 1	80	6	364SMP8	H	842		02/02/1977	S	--
029-07E-06 BAA 1	83	6	364SMP8	H	952	20.80	02/02/1977	S	1973
029-07E-06 CCB 1	90	6	367ABCKU	H	952	40.13	01/05/1973	J	--
029-07E-07 AAA 1	160	6	367ABCKU	H	955	53.84	01/05/1977	J	1949
029-07E-08 BDB 1	165	6	367ABCKU	S	965	69.26	02/03/1977	P	--
029-07E-09 DCD 1	216	6	367ABCKU	H	955	46.87	01/25/1977	S	01/ /1977
029-07E-16 AAB 1	150	6	367ABCKU	U	952	117.32	01/05/1977	S	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
JOHNSTON COUNTY -- CONTINUED									
029-07E-16 BBC 1	60	6	367ABCKU	U	945	42.17	01/05/1977	--	--
029-07E-16 DBB 1	65	6	367ABCKU	H	920	13.00	10/ /1968	--	--
029-07E-17 BCB 1	175	6	367ABCKU	H	915	25.25	09/30/1976	S	--
029-07E-17 CBA 1	22	--	367ABCKU	U	915	18.21	09/30/1976	P	--
039-04E-02 BDD 1	37	5	367ABCKU	S	1015	10.48	03/15/1977	P	--
039-04E-15 DAB 1	70	6	367ABCKU	N	978	49.00	10/ /1968	S	1940
039-04E-22 AAB 1	--	--	367ABCKU	A	1035	--	--	--	--
039-04E-23 ABB 1	221	9	367ABCKU	U	970	30.45	03/15/1977	--	--
039-04E-23 ABB 1	224	6	367ABCKU	S	960	38.35	03/15/1977	P	--

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
MURRAY COUNTY									
01N-04E-01 DDD 1	71	7	367ABCKU	S	1245		D 05/27/1977	P	--
01N-04E-10 BDC 1	210	6	3643MPS	H	1225	--	--	S	--
01N-04E-10 DDD 1	--	4.5	3643MPS	U	1210	--	--	--	03/05/1977
01N-04E-11 HHC 1	121	--	367ABCKU	U	1230	85.21	06/03/1977	--	--
01N-04E-11 CHB 1	122	6	3643MPS	H	1230	89.81	06/03/1977	P	--
01N-04E-11 CCC 1	--	--	3643MPS	U	1230	--	--	--	--
01N-04E-11 DAC 1	158	--	3643MPS	U	1250	--	--	T	--
01N-04E-11 DAC 2	163	--	3643MPS	U	1250	--	--	T	--
01N-04E-11 DAD 1	230	6	3643MPS	U	1240	--	--	--	--
01N-04E-13 CHC 1	57	7	3643MPS	H, S	1260	17.73	06/03/1977	J	--
01N-04E-14 ADD 1	120	7	3643MPS	H	1260	40.50	06/03/1977	S	--
01N-04E-14 CHA 1	114	5	3643MPS	H	1215	5.85	06/02/1977	S	--
01N-04E-14 CCB 1	129	--	3643MPS	H	1135	17.12	06/02/1977	--	--
01N-04E-15 AAD 1	102	6	3643MPS	S	1200	62.50	06/03/1977	J	--
01N-04E-15 BDA 1	113	7	3643MPS	U	1191	60.61	06/03/1977	--	--
01N-04E-21 DDA 1	1170	18	367ABCKU	I	1180	92.44	10/21/1976	T	--
01N-04E-22 D 1	780	18	3643MPS	I	1235	115.00	07/ /1959	--	1957
01N-04E-22 DCA 1	780	10	367ABCKU	I	1250	156.59	10/21/1976	T	--
01N-04E-25 AAC 1	1020	10	367ABCKU	U	1200	109.68	10/20/1976	--	--
01N-04E-25 DBC 1	155	6	367ABCKU	S	1210	150.66	12/7/1976	P	--
01N-04E-28 DRD 1	165	5	367ABCKU	S	1170	102.95	11/12/1976	P	1956
01N-04E-29 BAB 1	249	6	367ABCKU	U	1200	124.02	11/18/1976	S	--
01N-04E-30 AUB 1	307	6	367ABCKU	H	1200	133.28	11/18/1976	S	--
01N-04E-32 BHA 1	800	8	367ABCKU	H, S	1160	84.00	11/12/1976	S	--
01N-04E-32 BOD 1	188	6	367ABCKU	S	1160	54.59	10/22/1976	P	--
01N-04E-33 AAD 1	170	7	367ABCKU	S	1200	111.25	11/12/1976	P	1956
01N-04E-33 BHC 1	180	6	367ABCKU	S	1150	69.70	11/12/1976	S	--
01N-04E-35 CCC 1	152	--	367ABCKU	S	1220	120.50	01/17/1977	S	--
01S-01E-21 CDD 1	19	5	371ABCKL	H	1190	4.77	02/16/1978	J	--
01S-01E-28 DUA 1	107	6	367ABCKU	S	1240	40.19	02/16/1978	S	--
01S-01E-29 CCA 1	100	8	371ABCKL	S	1310	25.24	04/12/1978	P	--
01S-01E-33 DRD 1	168	--	367ABCKU	S	1255	77.69	02/24/1978	P	11/02/1939
01S-01W-08 BUB 1	62	6	371ABCKL	U	1100	45.00	04/25/1978	--	--
01S-01W-09 BCD 1	16	12	371THBM	U	1080	0.00	04/25/1978	--	--
01S-01W-25 DCC 1	900	10	367ABCKU	H, S	1375	220.00	04/13/1978	P	--
01S-01W-35 AAB 1	90	8	367ABCKU	U	1375	18.42	04/13/1978	--	--
01S-01W-35 DCA 1	1099	12	367ABCKU	S	1360	44.79	04/13/1978	P	--
01S-01W-36 AAA 1	69	8	367ABCKU	H, S	1350	22.99	04/13/1978	S	--
01S-01W-36 CHC 1	145	5	367ABCKU	U	1335	23.93	04/13/1978	--	--
01S-01W-36 DCC 1	100	8	367ABCKU	S	1305	19.54	04/13/1978	P	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
MURRAY COUNTY -- CONTINUED									
019-02E-31 CAC 1	225	6	367ABCKU	S	1115	23.35	12/29/1977	P	--
019-03E-01 ABA 1	96	6	367ABCKU	U	1140	63.50	07/25/1978	--	08/ /1972
019-03E-01 BAB 1	300	6	322VNS9	U	1004		04/ /1968	--	--
019-03E-01 BBB 1	70	6.5	367ABCKU	U	1080	29.26	07/31/1978	--	08/ /1972
019-03E-11 DDA 1	110	6	3649MPS	H	1165	35.00	06/01/1977	S	--
019-03E-11 DDC 1	171	10	367ABCKU	U	1170	--	--	--	06/30/1955
019-03E-13 ABB 1	68	6	3649MPS	S	1180	10.64	02/09/1977	J	--
019-03E-14 ABD 1	55	--	3649MPS	H	1170	19.86	02/09/1977	J	1968
019-03E-21 AAC 1	188	5	3649MPS	S	1030	87.89	07/27/1977	P	--
019-03E-22 BAC 1	234	8	3649MPS	U	1045	45.99	02/10/1977	--	--
019-03E-24 ADA 1	102	6	367ABCKU	H	1100	59.13	02/09/1977	S	--
019-03E-25 AAA 1	60	6	3649MPS	U	1060	12.08	02/10/1977	J	--
019-04E-05 DDD 1	133	6	3649MPS	H	1167	61.24	01/19/1977	J	--
019-04E-08 DAB 1	105	5	3649MPS	H	1145	72.25	02/09/1977	S	--
019-04E-08 DDD 1	98	6	3649MPS	H	1130	14.60	02/10/1977	J	--
019-04E-16 ADC 1	40	7	3649MPS	U	1095	16.33	07/27/1977	P	--
019-04E-16 BBB 1	102	5	3649MPS	U	1125	11.06	04/28/1977	--	--
019-04E-16 CBA 1	122	12	3649MPS	U	1105	19.46	04/28/1977	--	--
019-04E-16 DAD 1	--	--	3649MPS	U	1085	16.38	07/27/1977	--	--
019-04E-17 BBB 1	186	7	3649MPS	H,S	1175	43.38	06/01/1977	S	1948
019-04E-18 ADD 1	150	5	3649MPS	H	1120	31.80	02/09/1977	P	--
019-04E-18 BAA 1	118	5	3649MPS	U	1180	6.84	02/10/1977	--	--
019-04E-18 DDA 1	218	6	367ABCKU	H	1135	76.24	02/09/1977	S	--
019-04E-18 DDA 2	106	5	367ABCKU	U	1135	72.60	02/09/1977	--	--
019-04E-21 ADA 1	135	6	367ABCKU	H,S	1100	29.04	04/07/1977	J	--
019-04E-32 AAD 1	80	6	367ABCKU	U	1150	5.32	04/27/1977	--	--
019-04E-33 DBA 1	156	7	367ABCKU	U	1090	2.27	04/27/1977	P	--
019-10E-31 DAD 1	80	5	367ABCKU	U	1310	25.24	04/12/1978	--	--
029-01E-04 BAC 1	147	8	367ABCKU	S	1250	34.63	02/15/1978	P	--
029-01E-04 DAC 1	85	7	367ABCKU	S	1190	55.35	02/15/1978	P	--
029-01E-09 CAB 1	108	6	367ABCKU	S	1245	65.08	04/12/1978	P	--
029-01E-10 DCB 1	420	6	367ABCKU	U	1280	30.56	02/03/1978	--	--
029-01E-11 CAA 1	325	6	367ABCKU	S	1200	55.70	02/15/1978	P	--
029-01E-12 DBA 1	202	6	367ABCKU	S	1205	85.53	01/05/1978	P	--
029-01E-14 CBD 1	45	5	3649MPS	S	1170	4.55	02/15/1978	P	--
029-01E-16 ADD 1	81	6	367ABCKU	U	1145	62.49	02/03/1978	--	--
029-01E-16 CCA 1	142	6	367ABCKU	U	1190	101.67	02/03/1978	--	--
029-01E-22 ABB 1	122	6	367ABCKU	H	1130	34.46	02/03/1978	--	--
029-01W-07 AAA 1	50	4	3649MPS	S	1168	11.75	05/04/1978	P	--
029-02E-06 CDH 1	347	8	367ABCKU	S	1195	117.70	01/05/1978	P	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
MURRAY COUNTY -- CONTINUED									
028-02E-07 BDA 1	424	6	367ABCKU	S	1170	105.06	01/05/1978	P	--
028-02E-08 CDA 1	215	7	367ABCKU	S	1150	75.93	12/28/1977	P	--
028-02E-15 BDC 1	200	8	367ABCKU	S	1150	90.88	12/30/1977	P	--
028-02E-15 CDD 1	110	8	367ABCKU	S	1180	78.45	12/30/1977	P	--
028-03E-09 AAA 1	2500	6	3649MPS	H, S	1075	121.95	03/31/1977	S	--
028-03E-09 ACD 1	100	10	3649MPS	U	1140	67.45	03/31/1977	--	--
028-03E-10 BCA 1	48	5	3649MPS	U	1030	5.33	03/31/1977	--	--
028-03E-11 AAA 1	145	7	3649MPS	U	995	22.00	02/09/1979	--	1970
028-03E-11 AAD 1	29	6	3649MPS	S	930	11.50	03/31/1977	J	--
028-03E-11 HMC 1	100	7	3649MPS	I	955	16.10	03/31/1977	S	--
028-03E-11 CMC 1	98	6	3649MPS	H	935	21.63	03/31/1977	J	--
028-03E-11 DRB 1	146	6	3649MPS	S	930	15.95	05/10/1979	--	1978
028-03E-12 AAA 1	117	6	3649MPS	U	1010	7.40	03/18/1977	--	--
028-03E-12 CAA 1	58	5	3649MPS	U	980	30.90	03/17/1977	--	--
028-03E-13 BHB 1	614	2	3648MPS	U	920	2.10+	08/24/1977	--	1937
028-03E-13 CCD 1	79	5	367ABCKU	U	935	17.21	03/17/1977	--	--
028-03E-14 BAD 1	44	6	3649MPS	U	945	4.65	03/31/1977	J	--
028-03E-14 CDC 1	125	6	3649MPS	S	980	9.42	03/31/1977	J	--
028-03E-18 CDD 1	380	6	3649MPS	H	751	19.00	12/ /1968	--	1958
028-03E-23 CBC 1	65	6	3649MPS	H, S	1035	28.45	03/30/1977	J	--
028-03E-24 ABA 1	66	5	367ABCKU	H	930	7.96	03/17/1977	S	--
028-03E-25 BAA 1	67	6	367ABCKU	H	895	13.82	03/18/1977	J	--
028-03E-25 OGD 1	361	6	367ABCKU	I	875	6.30+	12/06/1979	--	--
028-03E-26 ABH 1	150	6	3649MPS	H, S	925	5.34	04/28/1977	S	--
028-03E-26 CHB 1	24	--	3649MPS	U	1025	6.12	04/28/1977	--	--
028-03E-27 AAA 1	65	--	3649MPS	H	1000	--	--	S	--
028-03E-35 AAA 1	60	5	3649MPS	U	985	2.44	04/28/1977	--	--
028-03E-35 ODB 1	--	--	3649MPS	H	985	3.36	04/28/1977	J	--
028-03E-36 BDB 1	30	--	3649MPS	U	930	3.80	03/30/1977	--	--
028-03E-36 HDB 2	76	6	3649MPS	H	940	33.13	03/30/1977	J	--
028-04E-08 DAC 1	353	6	367ABCKU	S	1130	31.85	03/16/1977	P	--
028-04E-15 CCC 1	139	7	367ABCKU	S	1110	25.02	03/16/1977	P	--
028-04E-16 BDD 1	235	6	367ABCKU	S	1145	49.78	03/16/1977	P	--
028-04E-17 ADD 1	240	6	367ABCKU	S	1110	51.53	03/16/1977	P	--
028-04E-18 BDD 1	83	6	367ABCKU	U	985	20.04	03/17/1977	--	--
028-04E-18 DCA 1	115	6	367ABCKU	U	1055	98.51	03/17/1977	--	--
028-04E-19 BCA 1	154	7	367ABCKU	S	970	61.36	03/17/1977	P	--
028-04E-19 CAC 1	61	7	367ABCKU	S	945	32.55	03/17/1977	P	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
MURRAY COUNTY -- CONTINUED									
03S-04E-04 BCD 1	88	6	367ABCKU	H	975	20.23	03/16/1977	J	--
03S-04E-06 CCA 1	70	8	367ABCKU	U	865	20.87	03/25/1977	--	--
03S-01E-09 CUD 1	208	8	367ABCKU	U	1240	10.05	02/03/1978	--	--

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
PONTIAC COUNTY									
01N-05E-23 DUA 1	76	6	367ABCKU	U	1118	46.00	01/ /1959	--	--
01N-04E-36 B 1	230	9	367ABCKU	H	1159	40.00	--	--	1946
01N-05E-01 AAD 1	124	--	367ABCKU	U	1155	76.51	10/19/1976	--	--
01N-05E-03 AAB 1	168	7	367ABCKU	S	1210	123.00	01/ /1959	P	--
01N-05E-03 ABB 1	157	6	367ABCKU	--	1215	132.85	12/02/1976	--	--
01N-05E-03 CCB 1	160	--	367ABCKU	--	1210	66.00	--	P	--
01N-05E-03 UDB 1	142	5	367ABCKU	S	1180	96.42	12/10/1976	P	--
01N-05E-04 BAA 1	300	9	367ABCKU	S	1210	120.00	01/ /1959	P	--
01N-05E-04 BAA 1	143	6	367ABCKU	S	1215	134.70	12/02/1976	P	--
01N-05E-06 AAA 1	195	6	367ABCKU	S	1255	174.50	12/02/1976	P	--
01N-05E-06 AB 1	300	8	367ABCKU	S	1235	128.00	01/ /1959	P	--
01N-05E-06 BAA 1	300	--	367ABCKU	S	1240	30.00	10/ /1956	P	--
01N-05E-08 BAR 1	--	--	367ABCKU	S	1205	120.56	12/08/1976	P	--
01N-05E-09 ADA 1	150	6	367ABCKU	S	1195	108.64	12/08/1976	P	--
01N-05E-10 CCC 1	108	7	3649MP3	U	1180	76.00	11/ /1958	--	--
01N-05E-10 DCC 1	105	6	367ABCKU	S	1180	93.63	12/08/1976	P	--
01N-05E-10 DDD 1	--	--	367ABCKU	U	1178	56.97	10/20/1976	--	--
01N-05E-11 BBA 1	95	6	367ABCKU	S	1180	92.97	12/10/1976	P	--
01N-05E-11 CCD 1	--	--	367ABCKU	U	1160	69.62	10/20/1976	--	--
01N-05E-11 DCD 1	259	--	367ABCKU	H	1192	114.38	10/20/1976	S	1960
01N-05E-12 ARC 1	113	6	367ABCKU	U	1155	85.53	10/19/1976	--	--
01N-05E-12 DUA 1	187	--	367ABCKU	H	1170	104.87	10/19/1976	S	--
01N-05E-13 AAA 1	112	6	367ABCKU	U	1120	55.00	11/ /1958	P	--
01N-05E-13 ABB 1	108	--	367ABCKU	U	1134	55.73	10/20/1976	--	--
01N-05E-14 CBB 1	194	6	367ABCKU	S	1165	82.42	12/10/1976	P	--
01N-05E-15 ABB 1	--	7	367ABCKU	S	1160	71.00	11/ /1958	P	--
01N-05E-15 BCA 1	56	--	367ABCKU	U	1184		D 10/20/1976	--	--
01N-05E-16 B 1	770	9	367ABCKU	H	1205	40.00	--	--	--
01N-05E-16 DAD 1	171	6	367ABCKU	S	1180	93.00	11/ /1958	P	--
01N-05E-16 DAD 1	168	6	367ABCKU	--	1190	107.40	12/10/1976	P	--
01N-05E-17 DCB 1	--	7	367ABCKU	S	1185	96.00	01/ /1959	P	--
01N-05E-21 CDB 1	235	7	367ABCKU	S	1145	63.88	12/07/1976	--	--
01N-05E-22 CB 1	153	5	367ABCKU	U	1135	49.00	01/ /1959	--	--
01N-05E-22 CBB 1	--	--	367ABCKU	U	1135	49.94	10/20/1976	--	--
01N-05E-22 DAA 1	--	6	367ABCKU	S	1155	92.41	12/08/1976	P	--
01N-05E-24 ABA 1	125	--	367ABCKU	S	1135	69.00	1966	S	1966
01N-05E-24 DAA 1	125	--	367ABCKU	U	1120	42.00	01/ /1959	--	--
01N-05E-26 AC 1	--	6	367ABCKU	S	1135	77.00	01/ /1959	P	--
01N-05E-27 CD 1	267	7	367ABCKU	U	1145	84.00	11/ /1958	--	--
01N-05E-27 CUA 1	115	--	367ABCKU	U	1155	72.00	01/ /1959	--	1958

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
PONTIAC COUNTY -- CONTINUED									
01N-05E-27 COD 1	267	6	367ABCKU	S	1170	88.35	12/08/1976	P	--
01N-05E-27 DCC 1	2500	12	367ABCKU	U	1150	73.02	10/20/1976	--	--
01N-05E-27 DCC 2	267	7	367ABCKU	U	1150	75.76	10/20/1976	--	--
01N-05E-28 ACC 1	--	7	367ABCKU	H	1145	110.00	01/ /1959	P	--
01N-05E-28 CAA 1	220	6	367ABCKU	S	1190	115.03	12/08/1976	S	--
01N-05E-30 ADD 1	--	6	367ABCKU	S	1210	107.85	12/07/1976	S	--
01N-05E-30 CAC 1	--	--	367ABCKU	S	1040	--	--	P	--
01N-05E-31 CDB 1	187	--	367ABCKU	H	1220	144.00	01/20/1977	S	--
01N-05E-32 DDC 1	205	7	367ABCKU	S	1170	97.43	01/20/1977	P	--
01N-05E-33 ACA 1	187	7	367ABCKU	S	1180	99.33	01/20/1977	P	--
01N-05E-35 AAC 1	165	8	367ABCKU	S	1180	76.23	12/08/1976	P	--
01N-05E-35 CAB 1	220	--	367ABCKU	S	1185	99.00	01/ /1959	P	--
01N-06E-03 CCC 1	700	12	367ABCKU	P	1171	136.40	10/26/1976	T	1959
01N-06E-04 AB 1	139	6	367ABCKU	U	1173	129.00	11/ /1958	--	--
01N-06E-04 BC 1	100	5	367ABCKU	S	1133	74.00	10/ /1958	P	--
01N-06E-04 CAD 1	1707	--	367ABCKU	U	1157	115.00	12/ /1958	--	1938
01N-06E-04 CAD 2	163	--	367ABCKU	U	1130	117.00	01/ /1959	--	1958
01N-06E-04 DC 1	--	--	367ABCKU	H	1175	157.00	01/ /1959	P	--
01N-06E-04 DCB 1	126	--	367ABCKU	U	1150	116.78	10/22/1976	--	--
01N-06E-05 B 1	668	12	367ABCKU	U	1108	46.00	11/ /1958	--	1930
01N-06E-05 BA 1	112	6	367ABCKU	U	1132	89.00	11/ /1958	P	--
01N-06E-05 DAA 1	134	6	367ABCKU	S	1135	106.00	01/ /1959	P	--
01N-06E-07 CDA 1	70	--	367ABCKU	U	1110	57.67	10/21/1976	--	--
01N-06E-08 BBA 1	107	--	367ABCKU	H	1150	63.58	10/22/1976	S	--
01N-06E-09 ADD 1	1504	12	367ABCKU	P	1148	113.94	10/26/1976	T	1959
01N-06E-09 BAD 1	186	7	367ABCKU	U	--	149.00	12/ /1958	C	--
01N-06E-09 DRC 1	150	--	367ABCKU	S	1175	142.00	12/ /1958	P	--
01N-06E-10 HOC 1	--	6	367ABCKU	U	1165	145.00	12/ /1958	C	--
01N-06E-10 DCC 1	136	--	367ABCKU	S	1155	136.00	01/ /1977	P	--
01N-06E-11 DAB 1	232	--	3649MP3	H	1185	230.00	01/24/1977	S	--
01N-06E-13 RBC 1	300	6	367ABCKU	H	1150	118.04	02/07/1977	S	--
01N-06E-16 AAA 1	1573	12	367ABCKU	P	1145	114.67	10/26/1976	T	1959
01N-06E-16 BCA 1	175	--	367ABCKU	H	1155	119.62	10/21/1976	--	--
01N-06E-17 ADA 1	100	6	367ABCKU	--	1130	76.00	12/ /1958	P	--
01N-06E-17 DAA 1	160	--	367ABCKU	H	1110	73.39	10/21/1976	S	--
01N-06E-18 BAB 1	159	--	367ABCKU	H	1150	109.87	10/21/1976	S	1926
01N-06E-21 ACB 1	220	6	367ABCKU	S	1130	103.90	01/04/1977	S	--
01N-06E-21 ACC 1	129	6	367ABCKU	S	1170	102.00	12/ /1958	P	--
01N-06E-22 ABD 1	--	6	367ABCKU	U	1130	91.00	12/ /1959	P	--
01N-06E-23 DAC 1	100	--	367ABCKU	H	1115	40.00	01/24/1977	P	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE (IF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
PONTIAC COUNTY -- CONTINUED									
01N-06E-24 ACB 1	83	6	367ABCKU	U	1095	28.80	02/08/1977	S	--
01N-06E-24 BBC 1	175	--	367ABCKU	H	1105	71.44	01/24/1977	S	--
01N-06E-24 CAB 1	96	6	367ABCKU	U	1085	45.57	01/26/1977	--	--
01N-06E-26 CA 1	--	7	367ABCKU	U	1119	83.00	12/ /1958	P	--
01N-06E-26 DAD 1	69	--	367ABCKU	H	1070	30.00	--	--	--
01N-06E-27 COD 1	131	--	367ABCKU	H	1130	92.91	10/28/1976	S	--
01N-06E-29 ABB 1	130	6	367ABCKU	U	1110	74.00	01/ /1959	--	--
01N-06E-29 CAB 1	180	7	367ABCKU	S	1123	85.00	12/ /1958	--	--
01N-06E-29 CAB 1	102	7	367ABCKU	S	1112	85.47	10/27/1976	P	--
01N-06E-32 CBC 1	111	--	367ABCKU	S	1080	52.45	10/28/1976	P	--
01N-06E-33 RCC 1	100	6	367ABCKU	S	1090	55.99	10/28/1976	P	--
01N-06E-33 CDA 1	42	6	367ABCKU	U	1075	40.00	10/28/1976	P	--
01N-06E-34 ACD 1	102	6	367ABCKU	U	1090	60.44	10/28/1976	--	--
01N-06E-36 BBA 1	100	--	367ABCKU	H	1070	36.46	01/24/1977	--	--
01N-06E-36 CBC 1	150	--	367ABCKU	H	1072	41.86	01/24/1977	--	--
01N-07E-19 CAB 1	200	--	3649MPS	H	1125	60.00	--	S	--
01N-07E-30 AAA 1	100	6	3649MPS	H	1045	22.00	10/ /1968	J	1943
01N-07E-30 ABA 1	100	6	3649MPS	H	1160	35.10	01/26/1977	J	--
01N-07E-30 DBC 1	32	6	367ABCKU	U	1085	10.87	01/26/1977	J	--
01N-07E-31 BCA 1	122	--	3649MPS	H	1132	33.15	01/25/1977	S	--
01S-06E-04 BCD 1	105	6	367ABCKU	S	1075	47.18	11/03/1976	P	--
02N-0JE-13 DC 1	500	6	3649MPS	H	1200	125.00	1956	T	1913
02N-0JE-24 AD 1	380	7	3649MPS	--	1205	60.00	--	T	--
02N-0KE-36 BR 1	68	--	367ABCKU	U	1130	--	--	--	1958
02N-04E-13 DCD 1	402	6	3649MPS	N	1200	56.09	12/01/1976	S	04/25/1963
02N-05E-10 DDD 1	534	10	3649MPS	U	1240	42.22	05/18/1979	--	04/16/1960
02N-05E-10 AAB 1	73	6	3649MPS	H	1245	59.60	02/01/1977	S	--
02N-05E-16 CAA 1	62	6	3649MPS	H	1200	20.00	10/27/1976	J	1956
02N-05E-17 ABA 1	425	6	3649MPS	H	1200	50.00	08/ /1961	P	1952
02N-05E-17 DAB 1	280	6	3649MPS	H	1170	69.35	11/19/1976	S	--
02N-05E-19 BDC 1	110	6	3649MPS	N	1200	27.72	11/19/1976	S	--
02N-05E-19 DCD 1	223	--	367ABCKU	H	1255	156.75	12/01/1976	S	1962
02N-05E-20 DRC 1	300	6	3649MPS	S	1210	--	--	S	--
02N-05E-21 CAD 1	86	5	3649MPS	H	1170	69.90	03/25/1977	--	--
02N-05E-21 DCD 1	130	7	367ABCKU	U	1170	76.52	10/27/1976	--	--
02N-05E-22 ADC 1	850	10	367ABCKU	S	1190	85.85	05/17/1979	P	09/09/1953
02N-05E-22 CBC 1	600	--	367ABCKU	I	1150	--	--	I	--
02N-05E-23 AAA 1	87	--	3649MPS	U	1195	15.22	01/31/1977	--	--
02N-05E-23 DUC 1	230	6	367ABCKU	H	1155	64.90	01/31/1977	S	--
02N-05E-24 CBB 1	117	6	367ABCKU	U	1195	77.00	12/ /1958	--	--

Table 2.--Records of wells --Continued

LOCAL NUMBER	DEPTH OF WELL (FEET)	CASING DIAM- ETER (INCHES)	PRINCIPAL AQUIFER	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	TYPE OF LIFT	DATE COMPLETED
PUNTOTUC COUNTY -- CONTINUED									
02N-05E-24 DCD 1	--	6	367ARCKU	H	1180	36.00	11/ /1958	--	--
02N-05E-24 DDC 1	280	--	367ABCKU	H	1178	87.54	10/20/1976	S	1967
02N-05E-25 BCC 1	--	6	367ARCKU	--	1150	111.00	02/ /1957	--	--
02N-05E-25 CA 1	120	6	367ABCKU	U	1130	96.00	02/ /1957	--	--
02N-05E-25 CCC 1	1527	9	367ABCKU	U	1128	17.00	11/ /1958	--	--
02N-05E-26 AAC 1	270	6	367ABCKU	H	1175	100.00	--	S	--
02N-05E-26 DAD 1	--	5	367ABCKU	S	1140	76.00	02/ /1957	P	--
02N-05E-26 DCD 1	130	--	367ABCKU	H	1155	80.00	--	S	--
02N-05E-27 AAA 1	113	6	367ABCKU	U	1160	71.00	12/ /1958	--	--
02N-05E-27 HBB 1	148	6	367ABCKU	S	1140	44.00	12/ /1958	J	--
02N-05E-27 HBB 1	152	6	367ABCKU	S	1150	57.45	12/02/1976	S	--
02N-05E-27 CHB 1	36	6	367ABCKU	U	1135	14.00	12/ /1958	P	--
02N-05E-27 DCB 1	126	6	367ABCKU	S	1150	57.09	12/02/1976	--	--
02N-05E-29 ABB 1	--	6	367ABCKU	S	1210	118.20	12/02/1976	P	--
02N-05E-29 BCA 1	--	--	367ABCKU	U	1212	86.69	10/22/1976	--	--
02N-05E-30 ADA 1	--	--	3649MP3	U	1222	118.24	10/22/1976	P	--
02N-05E-31 DAA 1	300	10	367ABCKU	S	1229	118.00	01/ /1959	P	--
02N-05E-35 ADD 1	121	6	367ABCKU	H	1170	77.12	10/19/1976	S	09/05/1930
02N-05E-35 CAB 1	300	9	367ABCKU	S	1209	110.00	01/ /1959	--	--
02N-05E-36 AAB 1	110	5	367ABCKU	U	1130	105.00	02/ /1957	P	--
02N-05E-36 AAD 1	2048	9	367ABCKU	S	1128	31.00	01/ /1959	--	--
02N-05E-36 ADA 1	87	6	367ABCKU	H	840	20.00	11/ /1958	J	1930
02N-05E-36 BCC 1	--	10	367ABCKU	S	1130	49.00	11/ /1958	J	--
02N-05E-36 CBC 1	--	6	367ABCKU	H	1140	58.00	11/ /1958	J	--
02N-05E-36 DAA 1	140	--	367ABCKU	H	1150	64.90	10/19/1976	S	1962
02N-05E-36 DDC 1	147	6	367ABCKU	S	1170	84.00	01/ /1959	P	--
02N-05E-36 DDC 1	--	--	367ABCKU	U	1172	--	--	U	--
02N-06E-14 D 1	995	7	3649MP3	H	850	--	--	--	--
02N-06E-30 AAA 1	118	--	367ABCKU	S	1198	91.42	10/22/1976	S	--
02N-06E-30 BBD 1	102	--	367ABCKU	H	1165	39.61	10/20/1976	S	--
02N-06E-31 AAA 1	116	--	367ABCKU	U	1140	55.52	10/19/1976	S	--
02N-06E-31 CCC 1	119	6	367ABCKU	H	1139	48.00	11/ /1958	P	--
02N-06E-31 CDD 1	--	--	367ABCKU	H	1134	--	--	S	1936
02N-06E-31 DDA 1	455	16	367ABCKU	U	1107	29.00	01/ /1959	--	--
02N-06E-32 CCC 1	136	--	367ABCKU	C	1130	107.80	10/19/1976	S	--
02N-06E-32 DDB 1	170	--	367ABCKU	H	1165	42.18	10/20/1976	S	--
02N-06E-33 CCC 1	105	6	367ABCKU	U	1140	94.00	11/ /1958	--	--
02N-06E-34 1	--	--	3649MP3	P	980	--	--	--	--
02N-06E-34 ACA 1	520	8	3649MP3	U	980	0.00	11/ /1953	--	1953

Table 3.--Records of streams

[Site location: The approximate site on a stream where a discharge measurement was made. Sites on a single stream are in downstream order. Discharge: In cubic feet per second. Drainage area: In square miles. Water temperature: Degrees Celsius. Specific conductance: In micromhos per centimeter at 25 degrees Celsius. pH: In pH units]

SITE LOCATION	STREAM NAME	DATE	DISCHARGE	DRAINAGE AREA	WATER TEMPERATURE	SPECIFIC CONDUCTANCE	pH
02S-05E-31CHA	HEE BRANCH	09/02/76	0.36	---	20.5	420	8.1
01S-06E-24CHH	BLUE RIVER	02/22/77	35.9	123.	17.0	605	7.4
01S-06E-24CHB	BLUE RIVER	09/22/77	26.9	123.	21.5	575	8.0
01S-06E-24CHB	BLUE RIVER	11/14/77	21.9	123.	15.5	560	8.0
01S-06E-24CHB	BLUE RIVER	08/23/78	26.0	123.	23.0	520	7.6
01S-06E-24CHB	BLUE RIVER	02/15/79	24.0	---	15.0	580	7.8
02S-07E-05BHB	BLUE RIVER	08/24/76	30.3	151.	23.0	540	8.2
02S-07E-05BHB	BLUE RIVER	02/23/77	46.0	151.	---	---	---
02S-07E-05BHB	BLUE RIVER	09/22/77	34.5	151.	22.5	540	8.1
02S-07E-05BHB	BLUE RIVER	08/21/78	32.0	151.	26.0	---	---
02S-07E-17CHB	BLUE RIVER	09/30/76	37.0	162.	20.0	545	8.1
02S-07E-17CHB	BLUE RIVER	10/21/77	34.0	162.	17.5	540	8.0
03S-07E-09DBC	BLUE RIVER	08/25/76	37.2	190.	23.0	428	8.3
03S-07E-09DBC	BLUE RIVER	02/23/77	69.5	190.	---	---	---
03S-07E-09DBC	BLUE RIVER	08/22/78	31.2	190.	29.5	445	8.4
01S-03E-25BAD	BUCKHORN CREEK	08/22/77	3.23	---	21.0	600	8.4
01S-03E-25BAD	BUCKHORN CREEK	02/14/79	3.06	---	17.0	585	8.0
01S-03E-24CDD	BUCKHORN CREEK	02/22/77	4.83	1.85	19.0	600	8.1
01S-03E-24CDD	BUCKHORN CREEK	09/27/77	1.88	1.85	20.0	600	8.3
03S-06E-03AAC	BUZZARD CREEK	02/22/77	2.36	4.30	16.0	460	7.8
03S-06E-03AAC	BUZZARD CREEK	09/22/77	0.0	4.30	---	---	---
03S-06E-03AAC	BUZZARD CREEK	08/21/78	0.0	4.30	---	---	---
03S-06E-03AAC	BUZZARD CREEK	02/14/79	0.93	4.30	9.5	426	8.1
02S-01E-30ACA	CAMP CREEK	02/15/79	1.90	---	8.0	473	7.9
01N-07E-22ACA	COAL CREEK	02/23/77	1.91	5.80	14.0	460	7.5
01N-07E-22ACA	COAL CREEK	09/21/77	0.03	5.80	24.5	510	---
01N-07E-22ACA	COAL CREEK	08/22/78	0.0	5.80	---	---	---
01N-07E-22ACA	COAL CREEK	02/14/79	3.65	5.80	12.0	425	7.5
01S-01E-15BCB	CULBERT CREEK	08/22/78	0.14	8.00	29.0	440	8.3
01S-01E-15BCB	CULBERT CREEK	09/07/78	0.18	8.00	27.0	440	8.3
01S-01E-15BCB	CULBERT CREEK	02/14/79	6.19	8.00	14.5	470	8.3
03S-03E-06CHB	COOL CREEK	03/08/77	2.88	10.9	12.5	460	8.3
03S-03E-06CHB	COOL CREEK	09/21/77	0.11	10.9	24.5	520	7.9
03S-03E-06CHB	COOL CREEK	08/21/78	---	10.9	29.0	480	8.0
03S-03E-06CHB	COOL CREEK	02/14/79	8.09	10.9	14.5	400	8.0
02S-02E-11CAB	DEEL CREEK	02/15/79	2.85	---	13.5	495	8.0
01S-07E-22DCC	DELAWARE CREEK	02/22/77	4.19	8.30	18.0	465	8.3
01S-07E-22DCC	DELAWARE CREEK	09/21/77	0.36	8.30	24.0	340	---
01S-07E-22DCC	DELAWARE CREEK	02/14/79	9.88	8.30	14.5	460	7.9
01S-07E-34ADA	DELAWARE CREEK	08/22/78	0.0	---	---	---	---

Table 3.--Records of streams--Continued

SITE LOCATION	STREAM NAME	DATE	DISCHARGE	DRAINAGE AREA	WATER TEMPERATURE	SPECIFIC CONDUCTANCE	PH
01S-07E-34ADD	DELAWARE CREEK	11/15/77	1.47	---	14.5	520	8.4
02S-04E-02DDA	DELAWARE CREEK	02/23/77	24.8	45.4	17.0	615	8.3
02S-07E-02DCB	DELAWARE CREEK	02/22/77	8.06	---	14.5	455	8.4
02S-07E-079AA	DIAMOND SPRING CREEK	02/23/77	3.52	8.60	16.5	610	6.9
01S-01W-07DCC	EIGHTMILE CREEK	08/22/78	0.20	5.81	30.0	415	8.0
01S-01W-07DCC	EIGHTMILE CREEK	02/15/79	9.17	5.81	12.0	400	8.2
01S-02E-33CBB	FALLS CREEK	02/24/77	3.64	6.82	14.0	540	8.2
01S-02E-33CBB	FALLS CREEK	09/21/77	1.37	6.82	24.0	540	8.0
01S-02E-33CBB	FALLS CREEK	08/31/78	1.54	6.82	24.0	470	8.1
01S-02E-33CBB	FALLS CREEK	02/14/79	6.68	6.82	17.5	500	7.8
01S-01W-09BHC	FIVEMILE CREEK	05/22/78	0.0	---	---	---	---
01N-07E-26DAB	GOOSE CREEK	02/24/77	1.15	2.70	11.0	410	8.2
01N-07E-26DAB	GOOSE CREEK	09/21/77	0.28	2.70	25.0	470	---
01N-07E-26DAB	GOOSE CREEK	08/22/78	0.0	2.70	---	---	---
01N-07E-26DAB	GOOSE CREEK	02/14/79	2.77	2.70	11.5	420	7.7
02S-01E-28BHC	HENRYHOUSE CREEK	08/22/78	0.0	---	---	---	---
02S-01E-29ADB	HENRYHOUSE CREEK	02/16/79	6.40	---	9.5	430	7.5
02S-01W-15DAD	HICKORY CREEK	08/24/78	0.43	7.43	21.0	540	7.7
02S-01W-15DAD	HICKORY CREEK	09/08/78	0.37	7.43	19.0	570	7.4
02S-01W-15DAD	HICKORY CREEK	02/15/79	9.16	7.43	10.0	445	7.8
02S-01E-02AAA	HONEY CREEK	01/31/78	0.77	---	12.0	550	7.7
01S-01E-36ABD	HONEY CREEK	02/22/77	14.0	16.4	16.0	460	8.3
01S-02E-30DCB	HONEY CREEK	09/22/77	1.67	---	32.0	380	---
01S-02E-30DCB	HONEY CREEK	08/21/78	1.96	---	28.0	350	8.4
01S-02E-30DCB	HONEY CREEK	09/01/78	2.02	---	27.0	320	8.1
01S-02E-30DCB	HONEY CREEK	02/14/79	22.0	---	16.0	450	8.2
01S-07E-36DCC	HOUGHTUBBY BRANCH	02/22/77	0.06	---	17.0	600	7.9
01S-07E-36DCC	HOUGHTUBBY BRANCH	08/22/78	0.0	---	---	---	---
01S-07E-36DCC	HOUGHTUBBY BRANCH	02/14/79	0.0	---	---	---	---
02S-06E-29CCA	KEEL CREEK	02/23/77	1.04	4.00	14.0	560	7.5
02S-06E-29CCA	KEEL CREEK	09/21/77	0.32	4.00	28.0	320	---
02S-06E-29CCA	KEEL CREEK	08/21/78	0.0	4.00	---	---	---
02S-06E-29CCA	KEEL CREEK	02/14/79	0.37	4.00	12.0	457	7.8
01S-06E-12ACB	LITTLE BLUE CREEK	02/22/77	0.87	11.6	18.5	590	7.7
01S-06E-12ACB	LITTLE BLUE CREEK	08/22/78	0.58	11.6	21.0	570	7.8
01S-07E-19CDC	LITTLE BLUE CREEK	11/15/77	1.95	18.9	14.5	520	8.4
01S-07E-19CDC	LITTLE BLUE CREEK	02/23/78	3.94	18.9	---	---	---
01S-07E-19CDC	LITTLE BLUE CREEK	08/21/78	2.21	18.9	26.0	---	---
01S-07E-19CDC	LITTLE BLUE CREEK	02/15/79	2.29	18.9	12.0	435	7.7
02S-04E-11BBB	HILL CREEK	02/23/77	6.30	46.4	11.5	580	8.1

Table 3.--Records of streams--Continued

SITE LOCATION	STREAM NAME	DATE	DISCHARGE	DRAINAGE AREA	WATER TEMPERATURE	SPECIFIC CONDUCTANCE	PH
023-04E-1188B	MILL CREEK	09/02/76	3.24	46.4	21.0	520	8.2
023-04E-1188B	MILL CREEK	09/22/77	3.03	46.4	24.0	570	8.3
023-04E-1188B	MILL CREEK	10/20/77	2.43	46.4	17.0	600	8.3
023-04E-1188B	MILL CREEK	08/21/78	3.53	46.4	27.5	460	8.3
023-04E-1188B	MILL CREEK	02/15/79	3.23	---	11.0	610	8.2
023-05E-310AA	MILL CREEK	09/02/76	4.00	---	22.5	400	8.3
033-05E-3288B	MILL CREEK	07/01/76	10.0	89.2	22.0	365	8.2
033-05E-3288B	MILL CREEK	02/23/77	22.3	89.2	14.0	400	8.7
033-05E-3288B	MILL CREEK	09/23/77	3.92	89.2	25.5	290	8.7
033-05E-3288B	MILL CREEK	08/24/78	1.65	89.2	29.0	340	8.6
033-05E-3288B	MILL CREEK	02/15/79	13.7	89.2	14.0	396	7.9
023-03E-258AA	OIL CREEK	02/23/77	0.74	9.96	12.5	590	8.5
033-04E-178CD	OIL CREEK	02/23/77	16.7	28.6	14.5	490	8.1
033-04E-178CD	OIL CREEK	09/22/77	3.36	28.6	23.5	450	8.0
033-04E-178CD	OIL CREEK	10/10/77	1.10	28.6	16.5	410	8.5
033-04E-178CD	OIL CREEK	08/22/78	1.06	28.6	26.5	375	8.1
033-04E-178CD	OIL CREEK	02/14/79	17.8	28.6	12.0	440	7.8
013-05E-340DD	PENNINGTON CREEK	09/22/77	7.53	32.8	19.5	580	7.5
013-05E-340DD	PENNINGTON CREEK	08/22/78	.83	32.8	21.0	570	8.0
023-06E-198CC	PENNINGTON CREEK	08/31/76	9.68	44.5	20.5	425	8.3
023-06E-198CC	PENNINGTON CREEK	02/22/77	18.4	44.5	----	---	---
023-06E-198CC	PENNINGTON CREEK	10/21/77	6.84	44.5	17.5	490	8.4
023-06E-198CC	PENNINGTON CREEK	08/22/78	10.5	44.5	27.0	505	7.9
013-05E-340DD	PENNINGTON CREEK	02/22/77	11.0	32.8	----	---	---
033-06E-05CHC	PENNINGTON CREEK	02/22/77	32.6	74.5	----	---	---
033-06E-05CBC	PENNINGTON CREEK	09/22/77	22.3	74.5	25.0	480	8.3
033-06E-05CBC	PENNINGTON CREEK	08/22/78	21.0	74.5	26.0	---	---
033-06E-05CBC	PENNINGTON CREEK	02/14/79	16.6	74.5	11.5	506	7.9
033-06E-17CDD	PENNINGTON CREEK	08/31/76	23.3	---	----	---	---
023-05E-250DC	REAGAN CREEK	02/14/79	0.90	---	14.0	---	---
023-05E-21CDC	ROCK CREEK	02/02/77	1.61	9.06	2.0	---	---
023-05E-21CDC	ROCK CREEK	02/23/77	2.25	9.06	----	---	---
023-05E-21CDC	ROCK CREEK	09/22/77	0.15	9.06	28.0	320	8.3
023-05E-21CDC	ROCK CREEK	08/22/78	0.03	9.06	33.0	230	8.5
023-05E-21CDC	ROCK CREEK	02/14/79	0.80	9.06	8.0	426	7.9
01N-06E-01CCC	SHEEP CREEK	02/23/77	4.30	1.34	16.0	530	7.8
01N-06E-01CCC	SHEEP CREEK	09/21/77	3.15	1.34	21.0	540	---
01N-06E-01CCC	SHEEP CREEK	08/22/78	4.84	1.34	23.0	---	---
01N-06E-01CCC	SHEEP CREEK	02/14/79	2.65	1.34	12.0	530	7.9
023-05E-16CHC	SIXMILE CREEK	02/02/77	1.05	---	3.0	---	---

Table 3.--Records of streams--Continued

SITE LOCATION	STREAM NAME	DATE	DISCHARGE	DRAINAGE AREA	WATER TEMPERATURE	SPECIFIC CONDUCTANCE	PH
029-06E-198DB	SPRING CREEK	09/31/76	8.20	19.6	17.0	600	7.9
029-06E-198DB	SPRING CREEK	02/22/77	7.96	19.6	---	---	---
029-06E-198DB	SPRING CREEK	10/21/77	---	19.6	20.0	640	8.1
029-06E-198DB	SPRING CREEK	08/22/78	9.28	19.6	---	---	---
029-01W-17ADA	SPRING CREEK	02/15/79	0.23	---	6.0	418	7.9
019-07E-22CCC	TRIBUTARY TO DELAWARE CK	02/14/79	0.08	---	12.5	440	7.8
019-07E-22DDC	TRIBUTARY TO DELAWARE CK	02/14/79	0.49	---	13.0	430	7.6
019-07E-21DCD	TRIBUTARY TO DELAWARE CK	02/14/79	0.26	---	12.5	450	7.8
02N-06E-34BDD	TRIBUTARY TO MILL CK	08/23/76	0.07	---	20.8	570	---
029-01W-08DCC	TRIBUTARY TO SPRING CK	02/15/79	0.35	---	7.0	421	7.5
019-08E-34CBB	WALNUT BRANCH	02/23/77	5.14	---	13.0	475	8.2
019-08E-34CBB	WALNUT BRANCH	08/22/78	0.0	---	---	---	---
019-08E-34CBB	WALNUT BRANCH	02/18/79	0.97	10.2	11.5	435	6.9

Table 4.--Records of springs

[Discharge: In gallons per minute. Method of measurement: C, current meter; E, estimated; V, volumetric; Z, other. Water quality parameter: T, temperature in degrees Celsius; C, specific conductance in micromhos per centimeter at 25 degrees Celsius; P, pH in pH units. Spring type: A, artesian; C, contact; D, depression; F, fracture; J, artesian depression; L, fracture depression; S, seepage, filtration; T, tubular, cave. Geologic unit: 364SMPS, Simpson Group 367ABCKU, upper Arbuckle Group; 371ABCKL, lower Arbuckle Group]

LOCAL NUMBER	SPRING NAME	DISCHARGE	DATE	METHOD MEASURED	WATER-QUALITY PARAMETER	VALUE	DATE	SPRING TYPE	GEOLOGIC UNIT
<hr/>									
COUNTY,...	COAL								
019-08E-32 CCD 1	WHITE SULPHUR SPRING	4.00	03/09/1977	E	T	18.0	03/09/1977		364SMPS
					C	9800.0	03/09/1977		
					P	7.1	03/09/1977		
019-08E-32 CCD 2	1910 SPRING	4.00	03/09/1977	E	T	17.0	03/09/1977	A	364SMPS
					C	970.0	03/09/1977		
					P	7.1	03/09/1977		
019-08E-32 CCC 1	BROMIDE SPRING	4.00	03/09/1977	E	T	16.0	03/09/1977	A	364SMPS
					C	11000.0	03/09/1977		
					P	7.1	03/09/1977		
019-08E-32 CDC 1	UNNAMED	9.00	03/09/1977	E	T	15.0	03/09/1977		364SMPS
					C	4800.0	03/09/1977		
					P	7.6	03/09/1977		
COUNTY,...	JOHNSTON								
019-04E-24 HCC 1	CLEMENT SPRING	19.7	01/18/1977	C	T	14.0	01/18/1977	F	364SMPS
					C	600.0	01/18/1977		
					P	7.4	01/18/1977		
019-04E-27 DCA 1	CULVERT SPRING	817	02/04/1977	C	T	14.1	02/04/1977	L	367ABCKU
					C	625.0	02/04/1977		
					P	7.1	02/04/1977		
019-05E-34 ACD 1	UNNAMED	507	08/09/1978	C	T	17.0	08/09/1978	S	367ABCKU
					C	600.0	08/09/1978		
					P	7.1	08/09/1978		
019-06E-12 BAD 1	UNNAMED	22.0	02/07/1977	E	T	17.0	02/07/1977	A	367ABCKU
					C	590.0	02/07/1977		
					P	6.7	02/07/1977		
019-06E-12 BDD 1	UNNAMED	660	01/07/1977	C	T	16.5	01/07/1977	F	367ABCKU
					C	590.0	01/07/1977		
					P	6.8	01/07/1977		
019-06E-21 ADB 1	TISDELL SPRING	673	11/17/1976	E	T	17.5	11/17/1976	F	367ABCKU
					C	610.0	11/17/1976		
					P	7.3	11/17/1976		
019-06E-22 AC 1	UNNAMED	583	11/18/1976	E	T	17.5	11/18/1976	F	367ABCKU
					C	420.0	11/18/1976		
					P	6.7	11/18/1976		

Table 4.--Records of springs --Continued

LOCAL NUMBER	SPRING NAME	DISCHARGE	DATE	METHOD MEASURED	WATER-QUALITY PARAMETER VALUE		DATE	SPRING TYPE	GEOLOGIC UNIT
01S-06E-22 RC 2	UNNAMED	449	11/18/1976	E	T	17.5	11/18/1976	F	367ABCKU
01S-06E-22 RC 4	UNNAMED	269	11/18/1976	E				F	367ABCKU
01S-06E-22 RCA 3	UNNAMED		11/18/1976	Z				F	367ABCKU
01S-06E-24 CBB 1	ANDERSON SPRING	449	02/04/1977	E	T	15.0	02/04/1977	J	367ABCKU
					C	610.0	02/04/1977		
					P	6.9	02/04/1977		
		426	05/26/1977	C	T	16.8	05/26/1977		
					C	600.0	05/26/1977		
					P	7.2	05/26/1977		
01S-06E-24 CAD 1	CUMMINGS SPRING	1795	03/08/1977	F	T	16.5	03/08/1977	C	367ABCKU
					C	610.0	03/08/1977		
					P	7.2	03/08/1977		
		1387	05/26/1977	C	T	16.5	05/26/1977		
					C	580.0	05/26/1977		
					P	7.1	05/26/1977		
01S-07E-09 CBB 1	UNNAMED	45.0	02/09/1977	E	T	16.0	02/09/1977	D	364SMPs
					C	520.0	02/09/1977		
					P	6.5	02/09/1977		
01S-07E-20 CDA 2	UNNAMED	4.00	02/10/1977	E	T	12.0	02/10/1977	D	364SMPs
					C	580.0	02/10/1977		
					P	6.7	02/10/1977		
01S-07E-32 ACB 1	UNNAMED	4.00	02/08/1977	E	T	7.0	02/08/1977	S	364SMPs
					C	400.0	02/08/1977		
					P	7.0	02/08/1977		
01S-07E-36 DRC 1	HOUGHTUBBY SPRING	45.0	02/03/1977	E	T	15.0	02/03/1977	F	364SMPs
					C	630.0	02/03/1977		
					P	6.6	02/03/1977		
02S-04E-27 BAD 1	UNNAMED				T	17.0	03/16/1977	F	367ABCKU
					C	570.0	03/16/1977		
					P	6.7	03/16/1977		
02S-04E-27 HRC 1	UNNAMED				T	16.0	03/16/1977	F	367ABCKU
02S-04E-36 CCC 1	SOUTH SPRING	130	03/14/1977	E	T	17.0	03/14/1977	F	371ABCKL
					C	550.0	03/14/1977		
					P	6.8	03/14/1977		

Table 4.--Records of springs --Continued

LOCAL NUMBER	SPRING NAME	DISCHARGE	DATE	METHOD MEASURED	WATER-QUALITY PARAMETER	VALUE	DATE	SPRING TYPE	GEOLOGIC UNIT
02S-05E-09 DRD 1	UNNAMED	202	01/31/1977	C	T	14.0	01/31/1977	S	367ABCKU
02S-05E-10 CCB 1	UNNAMED	449	02/01/1977	E	T	15.5	02/01/1977	F	367ABCKU
					C	420.0	02/01/1977		
					P	7.2	02/01/1977		
02S-05E-11 ACA 1	UNNAMED	450	02/01/1977	E	T	16.0	02/01/1977	F	367ABCKU
					C	500.0	02/01/1977		
					P	7.2	02/01/1977		
		121	06/02/1977	C	T	18.0	06/02/1977		
					C	560.0	06/02/1977		
					P	7.7	06/02/1977		
02S-05E-17 CBD 1	UNNAMED	20.0	09/01/1977	E				C	364SHP3
02S-05E-23 ABA 1	UNNAMED				T	13.5	02/01/1977	F	367ABCKU
					C	480.0	02/01/1977		
					P	7.2	02/01/1977		
		67.3	06/02/1977	C	T	15.0	06/02/1977		
					C	550.0	06/02/1977		
					P	6.9	06/02/1977		
02S-06E-01 BDC 1	UNNAMED	4.00	01/06/1977	E	T	9.0	01/06/1977	D	367ABCKU
					C	560.0	01/06/1977		
					P	7.2	01/06/1977		
02S-06E-18 CAA 1	UNNAMED	583	12/08/1976	C	T	17.5	12/08/1976	A	367ABCKU
					C	650.0	12/08/1976		
					P	6.7	12/08/1976		
02S-06E-20 BDA 1	UNNAMED	45.0	01/03/1977	E	T	14.5	01/03/1977	A	364SHP3
					C	640.0	01/03/1977		
					P	6.7	01/03/1977		
02S-06E-21 BBC 1	SMITH SPRING	153	12/07/1976	C	T	18.0	12/07/1976	A	367ABCKU
					C	620.0	12/07/1976		
					P	6.6	12/07/1976		
02S-06E-22 AAB 1	UNNAMED	45.0	12/07/1976	E	T	18.0	12/07/1976	C	371ARCKL
					C	550.0	12/07/1976		
					P	6.7	12/07/1976		
02S-06E-22 DCC 1	THREE SPRINGS	108	12/07/1976	C	T	17.5	12/07/1976	A	371ARCKL
					C	540.0	12/07/1976		
					P	6.9	12/07/1976		

Table 4.--Records of springs --Continued

LOCAL NUMBER	SPRING NAME	DISCHARGE	DATE	METHOD MEASURED	WATER-QUALITY PARAMETER VALUE		DATE	SPRING TYPE	GEOLOGIC UNIT
02S-06E-27 PGD 1	WOLF SPRING	89.8	12/07/1976	C	T	17.0	12/07/1976	A	367ARCKU
					C	510.0	12/07/1976		
					P	6.9	12/07/1976		
02S-06E-27 DCA 1	GUM SPRING	4.00	12/07/1976	E				S	
02S-07E-03 CCB 1	UNNAMED	4.00	03/08/1977	E	T	14.5	03/08/1977	C	364SPPS
					C	450.0	03/08/1977		
					P	7.5	03/08/1977		
02S-07E-07 HAB 1	DIAMOND SPRING	157	11/04/1977	C	T	18.0	08/24/1976	F	367ABCKU
					C	600.0	08/24/1976		
					D	8.1	08/24/1976		
					P	7.3	08/24/1976		
02S-07E-09 BBB 1	DEADHANS SPRING	135	01/05/1977	E	T	16.5	01/05/1977	C	364SPPS
					C	790.0	01/05/1977		
					P	6.6	01/05/1977		
02S-07E-13 CCA 1	VIOLA SPRING				T	18.0	01/04/1977	C	367ABCKU
					C	1750.0	01/04/1977		
					P	7.0	01/04/1977		
02S-07E-18 AAC 1	UNNAMED	45.0	01/04/1977	E	T	17.0	01/04/1977	C	367ABCKU
					C	710.0	01/04/1977		
					P	6.7	01/04/1977		
02S-07E-32 CDC 1	DESPERADO SPRING	135	01/03/1977	E	T	17.5	01/03/1977	C	367ABCKU
					C	560.0	01/03/1977		
					P	6.8	01/03/1977		
03S-04E-04 BCD D	TIRED SPRING	50.0	03/16/1977	E	T	16.0	03/16/1977	S	367ABCKU
03S-04E-04 DRB 1	UNNAMED	0.50	03/16/1977	E	T	16.0	03/16/1977	S	367ABCKU
03S-04E-05 DRB 1	CHAPMAN SPRING	450	03/16/1977	E	T	17.0	03/16/1977	T	367ABCKU
					C	530.0	03/16/1977		
					P	6.7	03/16/1977		
		426	05/25/1977	C	T	16.3	05/25/1977		
					C	540.0	05/25/1977		
					P	7.2	05/25/1977		
03S-04E-14 AAB 1	UNNAMED	40.0	03/15/1977	E	T	16.0	03/15/1977	C	367ABCKU
03S-04E-15 DCD 1	UNNAMED	50.0	03/15/1977	E	T	16.0	03/15/1977	S	367ABCKU
03S-04E-22 AAB 1	WEBB SPRING	225	03/15/1977	E	T	17.5	03/15/1977	F	367ABCKU
					C	550.0	03/15/1977		
					P	6.8	03/15/1977		

Table 4.--Records of springs --Continued

LOCAL NUMBER	SPRING NAME	DISCHARGE	DATE	METHOD MEASURED	WATER-QUALITY PARAMETER	VALUE	DATE	SPRING TYPE	GEOLOGIC UNIT
03S-04E-24 CDB 1	UNNAMED	50.0	03/15/1977	E	T	22.0	03/15/1977	S	367ARCKU
03S-05E-30 DCC 1	DAUBE SPRING	900	02/24/1977	E	T	18.0	02/24/1977	F	367ARCKU
					C	570.0	02/24/1977		
					P	7.6	02/24/1977		
COUNTY, . . . MURRAY									
01S-01E-16 BCD 1	BOILING SPRING	130	08/10/1978	C	T	19.0	08/10/1978	F	367ARCKU
					C	610.0	08/10/1978		
					P	7.4	08/10/1978		
01S-01E-16 CAC 1	UNNAMED	30.0	08/10/1978	E	T	17.0	08/10/1978	F	367ARCKU
01S-01E-21 CDD 1	UNNAMED	1.00	02/16/1978	E	T	12.0	02/16/1978	F	371ABCKL
					C	600.0	02/16/1978		
					P	7.5	02/16/1978		
01S-01E-27 ADD 1	UNNAMED	90.0	02/16/1978	E	T	16.5	02/16/1978	F	371ABCKL
					C	520.0	02/16/1978		
					P	7.3	02/16/1978		
01S-01E-35 CDD 1	UNNAMED	45.0	01/06/1978	E	T	15.5	01/06/1978	F	371ABCKL
01S-01W-09 CCB 1	JOHNSON SPRING	31.4	04/25/1978	C	T	18.0	04/25/1978	F	371ABCKL
					C	550.0	04/25/1978		
					P	7.1	04/25/1978		
01S-01W-09 DDD 1	FIVE MILE SPRING	85.5	04/25/1978	C	T	18.0	04/25/1978	S	371ABCKL
					C	570.0	04/25/1978		
					P	7.0	04/25/1978		
01S-01W-17 ABB 1	POLE SPRING	250	04/25/1978	E	T	16.0	04/25/1978	S	367ARCKU
					C	470.0	04/25/1978		
					P	7.6	04/25/1978		
01S-01W-17 CCA 1	UNNAMED	956	04/25/1978	C	T	17.0	04/25/1978	F	367ARCKU
					C	500.0	04/25/1978		
					P	7.4	04/25/1978		
01S-01W-20 ACD 1	UNNAMED	13.5	08/11/1978	C	T	18.0	08/11/1978	F	367ARCKU
					C	560.0	08/11/1978		
					P	7.0	08/11/1978		
01S-01W-26 ADA 1	UNNAMED	50.0	04/18/1978	E	T	17.5	04/18/1978	F	371ABCKL
01S-01W-26 ADD 1	UNNAMED	50.0	04/18/1978	E	T	17.5	04/18/1978	F	371ABCKL
01S-01W-26 BDC 1	UNNAMED	30.0	04/18/1978	E	T	17.5	04/18/1978	C	371ABCKL
01S-01W-26 CAA 1	UNNAMED	135	04/18/1978	E	T	17.5	04/18/1978	F	371ABCKL
					C	470.0	04/18/1978		
					P	7.1	04/18/1978		

Table 4.--Records of springs --Continued

LOCAL NUMBER	SPRING NAME	DISCHARGE	DATE	METHOD MEASURED	WATER-QUALITY PARAMETER VALUE		DATE	SPRING TYPE	GEOLOGIC UNIT
019-03E-24 HAD 1	LUMPRANCE SPRING	1696	02/22/1977	C	T	16.0	02/22/1977	D	364SMP5
029-01E-02 AAA 1	UNNAMED	100	01/31/1978	E	T	18.5	01/31/1978	C	371ABCKL
					C	590.0	01/31/1978		
					P	7.4	01/31/1978		
029-01E-07 DAD 1	UNNAMED	90.0	04/13/1978	E	T	16.0	04/13/1978	F	367ABCKU
					C	540.0	04/13/1978		
					P	7.3	04/13/1978		
029-01E-08 CRC 1	UNNAMED	225	04/12/1978	C	T	17.0	04/12/1978	F	367ABCKU
					C	530.0	04/12/1978		
					P	7.4	04/12/1978		
029-01E-08 CCB 1	UNNAMED	200	04/12/1978	E	T	17.5	04/12/1978	J	367ABCKU
					C	510.0	04/12/1978		
					P	7.3	04/12/1978		
029-01E-18 CCA 1	UNNAMED	570	04/13/1978	C	T	17.5	04/13/1978	F	367ABCKU
					C	500.0	04/13/1978		
					P	7.4	04/13/1978		
029-01E-18 CCA 2	UNNAMED	50.0	04/13/1978	E	T	17.5	04/13/1978	F	367ABCKU
029-01E-19 ABB 1	JENNINGS SPRING	292	02/23/1978	C	T	14.5	02/23/1978	F	364SMP5
					C	500.0	02/23/1978	F	364SMP5
					P	7.5	02/23/1978		
029-01E-19 BAB 1	UNNAMED	30.0	02/23/1978	E	T	17.0	02/23/1978	F	367ABCKU
					C	520.0	02/23/1978		
					P	7.2	02/23/1978		
029-01E-20 ABB 1	PRUETT SPRING								364SMP5
029-01W-15 DAD 1	CHLO SPRING	900	05/04/1978	E	T	17.0	05/04/1978	C	367ABCKU
					C	500.0	05/04/1978		
					P	6.9	05/04/1978		
029-02E-05 DCC 1	UNNAMED	89.8	12/30/1977	C	T	14.0	12/30/1977	F	367ABCKU
					C	560.0	12/30/1977		
					P	7.6	12/30/1977		
029-02E-10 BDD 1	UNNAMED	120	12/29/1977	V	T	17.0	12/29/1977	F	367ABCKU
					C	570.0	12/29/1977	F	367ABCKU
					P	7.5	12/29/1977		
029-02E-10 BDD 2	UNNAMED	40.0	12/29/1977	E	T	17.0	12/29/1977	F	367ABCKU
029-03E-24 BAA 1	WILLIAMS SPRING	50.0	03/17/1977	E	T	16.0	03/17/1977	F	367ABCKU
					C	720.0	03/17/1977		
					P	6.6	03/17/1977		

Table 4.--Records of springs --Continued

LOCAL NUMBER	SPRING NAME	DISCHARGE	DATE	METHOD MEASURED	WATER-QUALITY PARAMETER VALUE		DATE	SPRING TYPE	GEOLOGIC UNIT
02S-03E-27 ABA 1	UNNAMED	10.0	10/19/1977	E				F	364SMPS
02S-04E-30 CAC 1	BLUE HOLE SPRING	1500 1355	04/28/1977 05/25/1977	E C	T T C P	16.0 16.5 540.0 7.2	04/28/1977 05/25/1977 05/25/1977 05/25/1977	F	367ARCKU
02S-04E-31 HOB 1	BUCK IRVING SPRING	1100 723	03/16/1977 05/25/1977	E C	T C P T C P	18.0 560.0 6.7 16.5 560.0 7.3	03/16/1977 03/16/1977 03/16/1977 05/25/1977 05/25/1977 05/25/1977	F	367AHCKU
02S-04E-32 CCD 1	UNNAMED	0.10	03/16/1977					S	367AHCKU
01S-01W-15 DAB 1	UNNAMED	75.0	04/25/1978	V	T C P	17.5 625.0 7.2	04/25/1978 04/25/1978 04/25/1978	F	371AHCKL
COUNTY, . . . PONTIAC									
01N-06E-11 BDA 1	UNNAMED	22.0	01/25/1977	E				C	367AHCKU
01N-06E-11 HDC 1	SHEEP CREEK SPRING	 1082	 08/24/1976	 C	T C P T C P	17.5 590.0 6.2 15.8 600.0 7.9	01/25/1977 01/25/1977 01/25/1977 08/24/1976 08/24/1976 08/24/1976	C	367AHCKU
01N-07E-19 ADA 1	CANYON SPRING	269	01/26/1977	C	T C P	19.0 800.0 6.2	01/26/1977 01/26/1977 01/26/1977	A	364SMPS
01N-07E-21 AAA 1	WILDCAT SPRING	45.0	03/07/1977	E	T C P	17.0 490.0 7.1	03/07/1977 03/07/1977 03/07/1977	C	364SMPS
01N-07E-27 CDD 1	COFFEE POT SPRING	135	03/07/1977	V	T C P	17.0 490.0 7.1	03/07/1977 03/07/1977 03/07/1977		364SMPS
01N-07E-30 CDD 1	UNNAMED	202	01/25/1977	E	T C P	17.5 580.0 6.8	01/25/1977 01/25/1977 01/25/1977	T	364SMPS

Table 4.--Records of springs --Continued

LOCAL NUMBER	SPRING NAME	DISCHARGE	DATE	METHOD MEASURED	WATER-QUALITY PARAMETER VALUE		DATE	SPRING TYPE	GEOLOGIC UNIT
01N-07E-34 CAB 1	WALNUT SPRING								364S-PS
01S-07E-28 AAB 2	UNNAMED	4.00	02/01/1977	E	T	8.0	02/01/1977	D	364S-PS
					C	710.0	02/01/1977		
					P	6.2	02/01/1977		
01S-07E-28 AAB 3	UNNAMED	4.00	02/01/1977	E				D	364S-PS
02N-05E-16 DBC 1	LUCAS SPRING							C	364S-PS
02N-06E-33 ADD 1	UNNAMED	135	03/07/1977	Z	T	17.0	03/07/1977	C	367ARCKU
					C	620.0	03/07/1977		
					P	6.6	03/07/1977		
02N-06E-34 CCC 1	BYRDS MILL SPRING **								

** DAILY DISCHARGE REPORTED IN U.S.G.S. ANNUAL WATER DATA REPORTS.

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams

[Results in milligrams per liter except where otherwise indicated. Site: GW, well; SP, spring; SW, stream. Geologic unit: 364SMPS, Simpson Group, 367ABCKU, upper Arbuckle Group.]

LOCAL NUMBER	SITE	DATE OF SAMPLE	GEO- LOGIC UNIT	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LINITY (MG/L AS CaCO ₃)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)
CARTER COUNTY										
OPS-01E-22 UCC 1	GW	78-08-31	364SMPS	22.0	570	7.2	58	310	380	0
JOHNSTON COUNTY										
01S-04E-03 ADD 1	GW	77-11-16	367ABCKU	16.0	640	7.4	25	320	390	0
01S-04E-27 DCA 1	SP	77-10-20	367ABCKU	17.5	640	7.3	30	310	380	0
01S-05E-27 AAM 1	GW	77-11-18	367ABCKU	17.0	580	7.3	30	310	380	0
01S-05E-34 DDO 1	SP	77-11-03	367ABCKU	17.0	580	7.5	20	330	400	0
01S-06E-19 CAA 1	GW	77-11-17	367ABCKU	17.5	725	7.2	46	380	460	0
01S-06E-21 ADB 1	SP	77-11-04	367ABCKU	18.0	610	7.5	16	250	310	0
01S-06E-24 CAD 1	SP	77-11-15	367ABCKU	17.5	580	7.4	26	340	410	0
01S-06E-24 CHB 1	SW	51-09-10	--	20.6	454	8.0	4.9	251	306	0
		51-11-27		17.2	578	8.0	6.4	326	398	0
		52-01-16		11.7	521	8.0	5.8	297	362	0
		52-03-05		7.2	571	7.8	9.8	317	366	0
		52-04-23		15.6	276	7.4	10	132	161	0
		52-06-11		23.3	536	7.9	7.6	311	379	0
		52-07-22		26.1	544	7.6	15	313	382	0
		52-09-03		18.9	525	7.6	14	285	347	0
		52-11-18		15.6	571	8.1	5.0	324	395	0
		52-12-23		10.6	495	7.9	6.8	278	339	0
		53-02-04		12.8	587	8.0	6.6	336	410	0
		53-03-10		11.7	563	8.0	6.2	320	390	0
		53-06-02		22.8	585	8.1	5.0	322	392	0
		53-06-23		29.4	547	7.8	9.2	297	362	0
		53-08-19		22.8	531	8.1	4.6	298	363	0
		53-09-30		22.2	507	7.9	6.9	283	345	0
		53-11-17		15.6	592	8.0	6.5	332	405	0
		54-01-12		6.1	591	8.1	5.1	331	404	0
		54-02-25		13.9	559	8.1	4.8	310	378	0
		54-04-20		20.0	448	7.9	6.2	253	308	0
		54-05-28		20.6	361	8.5	1.2	196	223	8
		54-07-14		23.9	548	7.9	7.4	300	366	0

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
CARTER COUNTY -- CONTINUED										
02S-01E-22 DCC 1	78-08-31	310	110	7.4	15	.7	.2	5.5	16	354
JOHNSTON COUNTY -- CONTINUED										
01S-04E-03 ADD 1	77-11-16	390	85	43	6.3	1.0	.1	18	16	330
01S-04E-27 DCA 1	77-10-20	310	80	27	4.4	1.3	.1	5.4	7.3	339
01S-05E-27 AAB 1	77-11-18	350	74	40	2.8	.7	.2	7.4	10	334
01S-05E-34 DDO 1	77-11-03	340	72	39	2.5	.9	.1	3.5	8.3	314
01S-06E-19 CAA 1	77-11-17	400	85	46	15	.4	.1	22	18	375
01S-06E-21 ADB 1	77-11-04	350	74	41	1.9	1.2	.1	2.5	6.5	325
01S-06E-24 CAD 1	77-11-15	350	77	38	2.7	1.4	.1	3.7	6.8	315
01S-06E-24 CHH 1	51-09-10	264	55	31	--	--	--	3.5	--	--
	51-11-27	356	94	30	--	--	--	3.5	--	--
	52-01-16	346	87	31	2.6	--	--	2.5	--	--
	52-03-05	338	89	28	2.6	--	--	3.0	--	--
	52-04-23	153	34	17	2.8	--	--	2.2	--	--
	52-06-11	330	57	46	2.7	--	--	2.5	--	--
	52-07-22	330	68	34	5.2	--	--	4.0	--	--
	52-09-03	320	57	43	2.8	--	--	2.8	--	--
	52-11-18	328	67	39	2.5	--	--	3.2	--	--
	52-12-23	282	48	39	2.7	--	--	3.0	--	--
	53-02-04	346	75	39	2.6	--	--	2.5	--	--
	53-03-10	328	70	37	2.5	--	--	2.5	--	--
	53-06-02	324	74	34	2.7	--	--	3.2	--	--
	53-06-23	304	59	38	2.6	--	--	3.0	--	--
	53-08-19	294	59	36	2.3	--	--	2.2	--	--
	53-09-30	288	69	28	2.6	--	--	2.5	--	--
	53-11-17	334	84	30	3.6	--	--	2.8	--	--
	54-01-12	338	74	37	2.4	--	--	3.5	--	--
	54-02-25	264	61	27	2.4	--	--	3.5	--	--
	54-04-20	232	34	33	2.4	--	--	3.0	--	--
	54-05-28	210	11	44	2.0	--	--	4.0	--	--
	54-07-14	298	28	55	1.9	--	--	3.5	--	--

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	SITE	DATE OF SAMPLE	GEO- LOGIC UNIT	TEMPER- ATURE (DEG C)	SPR- ING CON- DUCT- ANCE (MICRO- MH/S)	PH (UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	ALKA- LINIT (MG/L AS CaCO3)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CH3)
JOHNSTON COUNTY -- CONTINUED										
01S-06E-24 CHB 1	SW	54-08-24	--	22.8	524	8.2	4.3	350	427	0
		54-09-16		20.0	577	7.8	9.5	308	375	0
		54-11-23		10.0	624	8.3	3.3	336	402	4
		54-12-21		11.1	599	8.1	5.2	333	406	0
		55-02-01		12.8	546	7.9	7.0	285	348	0
		55-03-02		17.2	527	8.0	4.7	241	294	0
		55-06-13		21.7	607	7.0	59	302	368	0
		55-07-27		27.8	568	7.2	30	246	300	0
		55-09-21		22.2	602	8.2	2.7	223	272	0
		55-10-31		16.1	594	6.9	81	331	404	0
		56-01-04		15.0	616	7.8	11	351	428	0
		56-02-14		16.1	353	8.0	3.9	198	242	0
		56-03-29		17.2	524	8.1	3.2	205	250	0
		56-05-21		23.9	601	7.7	8.2	210	256	0
		56-07-18		25.6	577	7.4	26	341	416	0
		56-08-21		18.3	513	7.7	12	299	364	0
		56-08-28		19.4	511	7.7	11	295	360	0
		56-09-24		15.0	497	7.7	11	290	354	0
		61-10-19		--	399	8.3	2.1	217	244	10
		61-11-02		--	345	8.5	1.2	192	218	4
		61-12-07		--	416	8.3	2.2	228	270	4
		62-01-12		--	332	8.5	1.1	186	202	12
		62-03-02		--	309	8.3	2.3	236	280	4
		62-04-04		--	313	8.4	1.2	161	192	2
		62-05-09		--	315	8.4	1.3	172	202	4
		62-06-20		--	415	8.2	2.8	226	276	0
		62-08-14		--	352	8.4	1.5	195	226	6
		62-09-11		--	383	8.2	2.6	210	256	0
01S-06E-24 CHB 1	SW	77-11-14	--	15.5	560	8.0	5.8	300	360	0
01S-06E-25 CHB 1	SW	77-11-17	367ABCKU	17.5	590	7.3	32	330	400	0
01S-07E-19 CDC 1	SW	77-11-15	--	--	--	8.0	--	--	--	--
		77-11-15		14.5	520	8.4	2.3	300	360	0
01S-07E-23 DND 1	SW	77-11-17	364SMPS	17.5	600	7.1	48	310	380	0
01S-07E-34 ADD 1	SW	77-11-15	--	14.5	520	8.4	1.6	210	250	0
02S-04E-11 B88 1	SW	52-09-03	--	19.4	490	7.9	6.4	259	316	0
		52-10-04		12.8	576	8.1	5.6	361	440	0

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CAC(13))	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JOHNSTON COUNTY -- CONTINUED										
01S-06E-24 CHB 1	54-08-24	260	34	43	3.7	--	--	3.0	--	--
	54-09-16	335	64	43	2.2	--	--	4.5	--	--
	54-11-23	420	85	51	1.4	--	--	6.0	--	--
	54-12-21	380	88	39	2.4	--	--	5.5	--	--
	55-02-01	320	74	33	2.6	--	--	5.0	--	--
	55-03-02	270	53	34	2.9	--	--	5.0	--	--
	55-06-13	330	68	39	5.0	--	--	5.5	--	--
	55-07-27	320	69	36	5.0	--	--	6.0	--	--
	55-09-21	256	29	45	3.6	--	--	6.0	--	--
	55-10-31	360	70	45	4.2	--	--	9.5	--	--
	56-01-04	350	74	40	2.7	--	--	4.0	--	--
	56-02-14	214	18	41	4.0	--	--	2.4	--	--
	56-03-29	260	56	29	6.1	--	--	3.3	--	--
	56-05-21	340	66	43	3.4	--	--	5.0	--	--
	56-07-18	370	67	49	2.4	--	--	5.0	--	--
	56-08-21	335	51	51	2.6	--	--	6.0	--	--
	56-08-28	300	50	43	2.4	--	--	5.8	--	--
	56-09-24	290	40	46	2.8	--	--	3.6	--	--
	61-10-19	220	37	31	4.1	--	--	4.0	4.8	228
	61-11-02	200	20	36	4.8	--	--	5.7	7.8	--
	61-12-07	234	38	34	2.5	--	--	2.8	6.9	--
	62-01-12	188	18	35	5.8	--	--	4.4	8.0	183
	62-03-02	236	32	38	5.1	--	--	2.4	6.8	--
	62-04-04	164	--	--	3.7	--	--	3.4	6.0	151
	62-05-09	172	--	--	2.8	--	--	2.4	2.2	153
	62-06-20	230	--	--	3.4	--	--	3.2	6.8	232
	62-08-14	194	--	--	6.0	--	--	4.2	5.8	185
	62-09-11	208	--	--	4.4	--	--	2.1	4.2	203
01S-06E-24 CHB 1	77-11-14	350	73	40	1.9	1.3	.1	2.5	6.5	272
01S-06E-25 CHB 1	77-11-17	340	68	41	7.9	1.0	.3	7.1	15	326
01S-07E-19 CDC 1	77-11-15	--	--	--	--	--	--	--	--	--
	77-11-15	320	65	38	3.2	1.4	.1	3.6	7.0	274
01S-07E-23 UDU 1	77-11-17	350	110	18	2.2	1.0	.1	5.6	11	346
01S-07E-34 ADD 1	77-11-15	250	67	21	20	2.5	.1	39	25	284
02S-04E-11 BBB 1	52-09-03	294	42	46	5.0	--	--	6.5	--	--
	52-10-09	304	54	42	4.6	--	--	6.8	--	--

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	SITE	DATE OF SAMPLE	GEO- LOGIC UNIT	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/CM)	PH (UNITS)	CALCI- UM DIS- SOLVED (MG/L AS Ca)	ALKA- LITY (MG/L AS CaCO ₃)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)
JOHNSTON COUNTY -- CONTINUED										
02S-04E-11 888 1	SW	52-11-18	--	16.1	598	8.1	5.1	329	401	0
		52-12-23		8.9	558	8.1	4.8	308	375	0
		53-02-04		12.8	577	8.0	6.2	317	386	0
		53-03-10		10.0	496	8.3	2.7	273	327	3
		53-04-14		16.1	554	8.0	5.9	300	366	0
		53-06-02		27.8	554	8.0	5.7	293	357	0
		53-06-23		28.3	451	8.3	2.3	239	285	3
		53-08-19		21.1	471	8.3	2.5	254	297	6
		53-09-30		22.2	448	8.4	1.9	241	278	8
		54-11-23		8.9	651	8.3	3.4	348	396	14
		54-12-21		10.0	600	8.2	4.1	333	406	0
		55-02-01		13.3	574	8.1	4.7	305	372	0
		55-03-01		16.1	588	8.2	2.7	217	264	0
		55-06-13		20.6	466	7.2	25	200	244	0
		55-07-27		28.3	538	7.2	37	302	368	0
		55-09-21		23.3	552	8.2	3.7	249	364	0
		60-01-27		--	485	7.5	--	--	304	0
		60-05-03		--	431	7.7	--	--	296	0
02S-04E-11 H88 1	SW	77-10-20	--	17.0	600	8.3	2.9	300	360	0
02S-05E-06 HCD 1	SW	56-10-04	364SMP5	13.0	471	7.9	7.3	251	306	--
02S-05E-08 ABB 2	GW	77-12-05	364SMP5	15.5	580	7.4	25	330	400	0
02S-05E-10 HOC 1	GW	77-11-18	367ABCKU	16.5	510	7.4	20	260	320	0
02S-06E-18 CAA 1	SP	77-10-20	367ABCKU	17.0	700	7.3	35	360	440	0
02S-06E-19 CHD 1	SW	77-10-21	--	17.5	560	8.4	2.2	290	350	0
02S-06E-30 DBA 1	SW	51-09-10	--	23.9	561	8.2	2.4	194	236	0
		51-11-27		11.1	542	7.9	7.4	302	368	0
		52-01-16		11.1	499	8.1	4.3	277	338	0
		52-03-05		8.3	533	8.0	5.7	290	354	0
		52-04-23		14.4	396	8.2	2.5	200	244	0
		52-06-11		22.2	545	8.0	5.7	290	354	0
		52-09-03		23.3	450	7.9	6.0	243	296	0
		52-10-09		14.4	508	8.0	5.5	282	344	0
		52-11-18		15.0	564	8.2	3.9	317	386	0
		53-02-04		11.1	539	8.0	6.0	308	376	0
		53-03-10		12.8	521	--	--	293	357	0
		53-04-14		16.7	504	8.1	4.0	261	318	0

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLOU- RIDE, DIS- SOLVED (MG/L AS F)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JOHNSTON COUNTY -- CONTINUED										
02S-04E-11 BBB 1	52-11-18	340	67	42	4.7	--	--	6.0	--	--
	52-12-23	320	64	39	4.8	--	--	6.5	--	--
	53-02-04	326	63	41	4.8	--	--	5.8	--	--
	53-03-10	274	45	39	4.1	--	--	5.5	--	--
	53-04-14	314	63	38	4.8	--	--	7.0	--	--
	53-06-02	306	57	40	5.0	--	--	7.2	--	--
	53-06-23	236	33	37	5.0	--	--	7.0	--	--
	53-08-19	254	40	37	5.4	--	--	6.5	--	--
	53-09-30	238	33	38	5.4	--	--	7.2	--	--
	54-11-23	380	90	38	3.8	--	--	9.0	--	--
	54-12-21	340	74	38	4.4	--	--	7.0	--	--
	55-02-01	340	66	43	4.6	--	--	8.0	--	--
	55-03-01	280	62	31	4.6	--	--	9.5	--	--
	55-06-13	220	34	33	4.8	--	--	8.8	--	--
	55-07-27	325	59	43	4.3	--	--	9.0	--	--
	55-09-21	310	49	46	5.7	--	--	7.0	--	--
	60-01-27	264	51	33	5.5	--	--	10	--	--
	60-05-03	240	51	27	--	--	--	6.0	--	--
	77-10-20	320	62	39	5.1	1.6	.1	6.2	8.1	275
02S-04E-11 BBB 1	77-10-20	320	62	39	5.1	1.6	.1	6.2	8.1	275
02S-05E-06 BCD 1	56-10-04	258	40	38	6.1	1.0	.0	11	12	251
02S-05E-08 ABH 2	77-12-05	350	78	38	4.2	.8	.1	4.4	9.8	326
02S-05E-10 DDD 1	77-11-18	310	96	16	1.4	.4	.2	1.9	7.8	285
02S-06E-18 CAA 1	77-10-20	350	76	40	2.3	.8	.1	3.2	5.8	328
02S-06E-19 CHD 1	77-10-21	310	63	36	2.5	.9	.1	3.2	8.1	285
02S-06E-30 DBA 1	51-09-10	208	31	32	--	--	--	4.8	--	--
	51-11-27	326	83	29	--	--	--	3.5	--	--
	52-01-16	300	79	25	3.3	--	--	4.2	--	--
	52-03-05	308	93	18	2.8	--	--	4.0	--	--
	52-04-23	232	55	23	2.7	--	--	3.0	--	--
	52-06-11	334	59	45	3.7	--	--	4.8	--	--
	52-09-03	276	36	45	3.0	--	--	3.8	--	--
	52-10-09	288	46	42	2.8	--	--	4.0	--	--
	52-11-18	328	62	42	3.9	--	--	4.8	--	--
	53-02-04	316	61	40	2.5	--	--	4.0	--	--
	53-03-10	298	55	39	2.7	--	--	3.8	--	--
	53-04-14	290	51	40	2.7	--	--	4.2	--	--

Table 5.--Concentration of common constituents and physical properties

of water from wells, springs, and streams--Continued

LOCAL NUMBER	SITE	DATE OF SAMPLE	GEO- LOGIC UNIT	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICHOHMS)	PH (UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY (MG/L AS CaCO ₃)	HICAR- BONATE (MG/L AS HCO ₃)	CAL- CIUM (MG/L AS CaCO ₃)
JOHNSTON COUNTY -- CONTINUED										
02S-06E-30 DRA 1	SW	53-06-02	--	26.1	516	8.1	4.5	284	352	0
		53-06-23		27.8	530	7.9	7.0	285	348	0
		53-08-19		25.0	435	8.2	2.9	235	286	0
		53-09-30		22.8	430	8.4	1.8	234	285	10
		53-11-17		13.3	548	8.1	4.8	307	374	0
		54-01-12		4.4	485	8.2	3.6	294	358	0
		54-02-25		15.0	532	8.2	3.5	286	349	0
		54-04-20		17.8	566	8.0	5.5	283	385	0
		54-05-28		22.8	356	8.6	.9	184	206	4
		54-07-14		27.8	496	8.2	3.1	251	306	0
		54-08-24		25.6	402	8.6	1.0	198	225	8
		54-09-16		21.1	510	8.0	5.2	269	328	0
		54-11-23		11.7	606	8.4	2.4	305	344	14
		54-12-21		11.1	668	8.1	4.9	313	382	0
		55-02-01		12.2	556	8.1	4.6	299	364	0
		55-03-02		17.8	556	7.9	6.0	243	246	0
		55-06-13		22.8	433	7.4	17	220	268	0
		55-07-27		27.8	522	7.2	36	294	358	0
		55-09-21		21.1	566	8.3	2.6	264	318	2
		57-11-12		10.0	588	8.0	6.4	330	402	0
		58-01-17		10.6	481	8.6	.6	184	200	12
		58-03-19		11.7	555	8.4	1.8	236	280	4
		58-06-11		24.4	415	8.3	2.2	220	252	8
		58-11-05		--	335	8.6	.9	184	200	12
		59-01-08		4.4	198	8.4	.8	107	118	6
02S-07E-07 BAR 1	SP	77-11-04	367ABCKU	18.0	600	7.3	33	340	410	0
02S-07E-17 CBR 1	SW	77-10-21	--	17.5	540	8.0	5.9	303	370	0
02S-08E-02 DDA 1	SW	58-07-24	--	12.2	762	8.2	1.6	128	156	0
		58-04-07		15.0	646	7.4	3.6	148	180	0
		60-01-26		--	385	8.3	--	--	120	4
		60-03-23		--	487	8.2	--	--	200	0
		60-05-03		--	572	8.2	--	--	296	0
02S-08E-21 CCB 1	SP	63-08-15	364SMPS	--	633	8.2	4.0	325	346	--
03S-04E-04 BCD 1	SW	77-10-17	367AHCKU	19.0	560	7.1	47	300	370	0
03S-04E-05 DWH 1	SP	77-10-18	367AHCKU	19.0	590	7.1	36	230	280	0
03S-04E-17 BCD 1	SW	77-10-17	--	16.5	410	8.5	1.2	200	240	0

Table 5.--Concentration of common constituents and physical properties

of water from wells, springs, and streams--Continued

LOCAL NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JOHNSTON COUNTY -- CONTINUED										
02S-06E-30 DBA 1	53-06-02	290	53	38	2.7	--	--	3.8	--	--
	53-06-23	290	53	38	3.0	--	--	3.5	--	--
	53-08-19	234	34	36	2.6	--	--	3.0	--	--
	53-09-30	230	31	37	2.8	--	--	4.8	--	--
	53-11-17	308	61	38	2.6	--	--	2.8	--	--
	54-01-12	294	56	37	3.0	--	--	3.8	--	--
	54-02-25	274	48	37	2.7	--	--	4.5	--	--
	54-04-20	312	60	40	2.6	--	--	24	--	--
	54-05-28	190	14	38	2.0	--	--	4.5	--	--
	54-07-14	224	18	44	2.2	--	--	4.5	--	--
	54-08-24	235	19	46	2.5	--	--	5.0	--	--
	54-09-16	310	47	47	1.7	--	--	5.0	--	--
	54-11-23	390	114	26	1.9	--	--	6.0	--	--
	54-12-21	300	64	34	2.8	--	--	4.0	--	--
	55-02-01	360	65	48	2.2	--	--	5.0	--	--
	55-03-02	250	58	26	2.3	--	--	6.0	--	--
	55-06-13	220	26	38	3.7	--	--	4.5	--	--
	55-07-27	300	59	37	3.1	--	--	4.5	--	--
	55-09-21	296	36	50	3.1	--	--	3.0	--	--
	57-11-12	330	72	37	3.9	--	--	3.0	--	--
	58-01-17	200	17	38	1.9	--	--	3.9	--	--
	58-03-19	252	14	53	1.5	--	--	4.0	--	--
	58-06-11	236	25	42	3.6	--	--	6.6	--	--
	58-11-05	184	14	36	5.0	--	--	5.0	--	--
	59-01-08	106	14	17	2.6	--	--	2.5	--	--
02S-07E-07 PAB 1	77-11-04	350	73	41	3.6	.9	.1	6.3	7.3	276
02S-07E-17 CHH 1	77-10-21	310	63	38	2.7	1.4	.1	3.0	4.6	275
02S-08E-02 BDA 1	58-02-24	180	26	28	34	--	--	70	--	--
	58-04-07	180	30	26	30	--	--	50	--	--
	60-01-26	146	26	20	24	--	--	41	--	--
	60-03-23	208	46	23	25	--	--	46	--	--
	60-05-03	280	69	26	31	--	--	48	--	--
	63-08-15	344	--	--	8.0	--	--	18	11	359
02S-08E-21 CCH 1	77-10-19	320	88	24	2.3	.5	.2	2.7	8.5	314
03S-04E-05 DHH 1	77-10-18	320	110	12	2.0	.6	.1	2.7	7.8	330
03S-04E-17 HCD 1	77-10-17	210	57	17	5.2	1.0	.2	5.9	11	210

Table 5.--Concentration of common constituents and physical properties

of water from wells, springs, and streams--Continued

LOCAL NUMBER	SITE	DATE OF SAMPLE	GEO- LOGIC UNIT	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICHOH- MH/US)	PH (UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY (MG/L AS CaCO ₃)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)
JOHNSTON COUNTY -- CONTINUED										
03S-05E-30 DUC 1	SP	77-10-20	367ABCKU	17.0	700	7.3	27	280	340	0
03S-05F-32 BRB 1	SW	68-10-09	--	--	181	8.2	--	80	98	0
		68-10-18		--	382	8.6	--	195	210	14
		68-10-31		--	443	8.5	--	221	246	12
		68-11-19		--	490	8.4	--	192	230	2
		68-11-25		--	441	8.4	--	194	228	4
		68-11-27		--	185	8.0	--	79	96	0
		68-12-07		--	426	8.5	--	217	248	6
		68-12-17		--	494	8.3	--	244	294	2
		68-12-28		--	224	8.1	--	98	120	0
		69-01-01		--	395	8.5	--	141	164	4
		69-01-18		--	536	8.6	--	154	172	8
		69-01-29		--	448	8.6	--	157	160	16
		69-02-01		--	483	8.6	--	198	226	8
		69-02-22		--	241	8.2	--	103	126	0
		69-02-27		--	428	8.5	--	187	212	8
		69-03-05		--	415	8.5	--	189	214	8
		69-03-23		--	262	8.4	--	125	140	6
		69-03-29		--	250	8.4	--	113	134	2
		69-04-07		--	393	8.6	--	167	196	4
		69-04-15		--	496	8.7	--	138	148	10
		69-04-27		--	189	8.6	--	89	104	2
		69-05-07		--	207	8.6	--	98	108	6
		69-05-10		--	369	8.4	--	167	220	4
		69-05-30		--	424	8.8	--	169	178	14
		69-06-09		--	386	8.4	--	190	224	4
		69-06-19		--	221	9.0	--	102	100	12
		69-06-29		--	317	8.7	--	157	176	8
		69-07-02		--	322	8.8	--	162	170	14
		69-07-20		--	378	8.7	--	195	210	14
		69-07-28		--	401	8.8	--	200	212	16
		69-08-07		--	366	8.6	--	171	200	6
		69-08-17		--	386	8.8	--	174	180	16
		69-08-27		--	346	8.9	--	166	158	22
		69-09-05		--	380	8.5	--	194	212	12
		69-09-18		--	340	8.5	--	177	200	8

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CAC(03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JOHNSON COUNTY -- CONTINUED										
03S-05E-30 DDC 1	77-10-20	300	100	11	3.0	.8	.1	3.1	6.4	304
03S-05E-32 HBB 1	68-10-09	82	--	--	4.5	--	--	4.6	4.0	101
	68-10-18	196	--	--	6.2	--	--	6.4	7.9	221
	68-10-31	224	--	--	7.3	--	--	7.9	9.2	236
	68-11-19	208	--	--	9.9	--	--	10	10	223
	68-11-25	196	--	--	8.0	--	--	7.4	4.4	264
	68-11-27	84	--	--	4.0	--	--	3.8	8.4	100
	68-12-07	220	--	--	6.5	--	--	4.9	11	244
	68-12-17	252	--	--	7.1	--	--	6.2	10	262
	68-12-28	104	--	--	5.0	--	--	3.8	6.4	140
	69-01-01	144	--	--	7.2	--	--	7.0	9.3	208
	69-01-18	164	--	--	17	--	--	22	13	323
	69-01-29	166	--	--	11	--	--	12	11	260
	69-02-01	194	--	--	9.8	--	--	6.4	13	249
	69-02-22	108	--	--	6.0	--	--	5.0	8.7	155
	69-02-27	188	--	--	7.4	--	--	6.5	13	263
	69-03-05	204	--	--	7.2	--	--	7.7	12	249
	69-03-23	124	--	--	6.4	--	--	5.9	8.7	157
	69-03-29	122	--	--	5.7	--	--	5.3	8.8	153
	69-04-07	172	--	--	8.0	--	--	6.5	11	183
	69-04-15	140	--	--	17	--	--	23	11	206
	69-04-27	90	--	--	4.4	--	--	3.5	5.3	140
	69-05-07	102	--	--	4.2	--	--	2.5	5.0	152
	69-05-10	196	--	--	6.9	--	--	4.6	9.5	234
	69-05-30	176	--	--	6.6	--	--	7.2	9.3	200
	69-06-09	192	--	--	8.8	--	--	6.6	10	218
	69-06-19	100	--	--	6.4	--	--	3.6	6.4	119
	69-06-29	162	--	--	8.6	--	--	6.7	8.8	175
	69-07-02	164	--	--	8.4	--	--	7.4	8.6	174
	69-07-20	200	--	--	8.1	--	--	8.3	7.2	214
	69-07-28	208	--	--	11	--	--	12	9.8	224
	69-08-07	180	--	--	7.4	--	--	4.4	13	200
	69-08-17	176	--	--	10	--	--	12	13	179
	69-08-27	164	--	--	6.7	--	--	8.0	9.0	167
	69-09-05	200	--	--	7.3	--	--	8.0	13	210
	69-09-18	180	--	--	6.3	--	--	7.1	9.0	204

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	SITE	DATE OF SAMPLE	GEO- LOGIC UNIT	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICHO- MMHS)	PH (UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY (MG/L AS CaCO ₃)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)
JOHNSTON COUNTY -- CONTINUED										
03S-05E-32 BHR 1	SW	69-09-27	--	--	360	8.6	--	180	204	8
03S-07E-19 DHC 1	SW	56-08-28	--	27.2	434	8.0	5.1	259	316	0
		57-10-02		21.1	491	8.7	.7	174	192	10
		57-11-12		10.0	459	8.1	3.2	207	252	0
		58-01-17		11.7	455	8.7	.7	168	188	8
		58-03-19		10.6	506	8.7	.6	164	184	8
		58-06-11		29.4	359	8.4	1.5	192	218	8
		58-09-05		26.1	379	8.5	1.1	184	192	16
		58-11-05		15.0	402	8.5	1.1	186	206	10
		59-01-08		3.9	276	8.2	1.9	156	190	0
		60-01-27		--	313	8.4	1.2	158	176	8
		60-03-23		--	390	8.2	2.4	194	236	0
		75-11-20		11.0	420	8.6	--	--	--	--
		75-12-18		5.0	500	8.8	--	--	--	--
MURRAY COUNTY										
01S-01E-15 BCB 1	SW	78-09-07	--	27.0	440	8.3	1.8	190	230	0
01S-01E-28 DHA 1	GW	78-08-31	367ABCKU	17.0	600	7.1	52	340	410	0
01S-01E-29 CDA 1	GW	78-09-07	367ABCKU	19.0	580	7.1	43	280	340	0
01S-01W-07 DCC 1	SW	78-09-08	--	25.0	470	8.0	3.4	170	210	0
01S-01W-36 DCC 1	GW	78-09-07	367ABCKU	19.0	460	7.1	39	250	310	0
01S-02E-30 BHM 1	SW	53-07-23	--	22.8	333	8.0	3.1	160	195	0
		55-02-28		17.8	317	8.1	2.2	143	174	0
		55-11-01		15.6	369	7.7	7.0	180	220	0
		56-05-23		23.3	435	7.5	14	225	274	0
		56-08-22		24.4	390	7.3	19	195	238	0
01S-02E-30 CDA 1	SW	49-03-12	--	12.8	397	--	--	203	248	--
		49-10-06		23.9	382	--	--	193	235	--
		51-02-24		15.0	405	--	--	218	266	--
		51-05-03		22.8	405	8.2	2.6	208	253	--
01S-02E-30 CDB 1	SW	78-09-01	--	27.0	320	8.1	2.3	150	180	0
01S-02E-31 CAC 1	GW	78-09-01	367ABCKU	18.5	600	7.1	51	330	400	0
01S-03E-24 HDA 1	SP	52-03-05	--	17.2	638	7.5	20	325	396	0
		54-12-20		17.2	652	7.8	10	328	400	0
		55-12-28		16.1	456	7.9	5.6	230	280	0

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Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUOR- IDE, DIS- SOLVED (MG/L AS F)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JOHNSTON COUNTY -- CONTINUED										
035-05E-32 HBB 1	69-09-27	188	--	--	6.8	--	--	7.2	11	187
035-07E-19 DBC 1	56-08-28	280	34	47	3.1	--	--	5.2	--	--
	57-10-02	192	21	34	2.8	--	--	4.9	--	--
	57-11-12	216	38	29	4.0	--	--	5.5	--	--
	58-01-17	184	20	33	4.2	--	--	6.4	--	--
	58-03-19	176	18	32	3.6	--	--	6.3	--	--
	58-06-11	216	20	40	3.8	--	--	4.5	--	--
	58-09-05	184	18	34	6.2	--	--	6.5	--	--
	58-11-05	176	16	33	5.0	--	--	9.0	--	--
	59-01-08	164	18	29	3.0	--	--	6.2	--	--
	60-01-27	168	18	30	5.0	--	--	5.6	--	--
	60-03-23	192	22	33	6.0	--	--	6.6	--	--
	75-11-20	--	--	--	--	--	--	--	--	--
	75-12-18	--	--	--	--	--	--	--	--	--
MURRAY COUNTY -- CONTINUED										
01S-01E-15 BCH 1	78-09-07	250	64	21	7.0	.9	.2	9.5	53	282
01S-01E-28 UDA 1	78-08-31	350	130	7.0	3.7	.3	.2	2.7	11	370
01S-01E-29 COA 1	78-09-07	330	97	21	7.7	1.0	.1	14	17	360
01S-01W-07 DCC 1	78-09-08	210	70	7.7	16	.7	.1	20	34	256
01S-01W-36 DCC 1	78-09-07	270	98	5.2	4.2	.4	.1	3.2	10	282
01S-02E-30 HBB 1	53-07-23	166	45	13	4.4	--	--	7.0	--	--
	55-02-21	145	47	6.7	2.8	--	--	8.0	--	--
	55-11-01	192	54	14	7.6	--	--	8.0	--	--
	56-05-23	232	61	19	6.1	--	--	11	--	--
	56-08-22	200	54	18	6.1	--	--	12	--	--
01S-02E-30 CDB 1	49-03-12	211	69	9.4	--	--	--	5.8	10	225
	49-10-06	189	56	12	--	--	--	6.2	0.8	220
	51-02-24	223	75	8.7	--	--	--	2.8	6.8	228
	51-05-03	212	70	9.2	--	--	--	4.5	23	244
01S-02E-30 CDB 1	78-09-01	160	43	13	4.8	.6	.1	5.0	13	186
01S-02E-31 CAC 1	78-09-01	320	120	6.1	3.6	.8	.1	2.4	10	361
01S-03E-24 HDA 1	52-03-05	352	104	22	10	--	--	13	--	--
	54-12-20	330	77	34	8.1	--	--	12	--	--
	55-12-28	244	33	39	13	--	--	13	--	--

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	SITE	DATE OF SAMPLE	GEO- LOGIC UNIT	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHMS)	PH (UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LILITY (MG/L AS CaCO ₃)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)
MURRAY COUNTY -- CONTINUED										
01S-03E-24 BDA 1	SP	77-10-18	364SMPS	17.0	610	7.4	25	330	400	0
02S-01N-15 DAD 1	SW	74-09-08	--	19.0	570	7.4	22	290	350	0
02S-02E-07 BDA 1	GW	78-09-07	367ABCKU	21.0	570	7.6	15	310	380	0
02S-02E-10 BDD 1	GW	78-09-01	367ABCKU	25.0	530	7.5	19	300	370	0
02S-02E-33 CBB 1	SW	78-08-31	--	24.0	470	8.1	3.6	230	280	0
02S-03E-09 AAB 1	GW	77-10-19	364SMPS	19.0	560	7.6	12	250	310	0
02S-03E-24 AHA 1	GW	77-10-18	367ABCKU	18.0	570	7.1	48	310	380	0
02S-03E-27 AAA 1	GW	77-10-19	364SMPS	19.0	790	7.0	54	280	340	0
02S-04E-31 HHH 1	SP	77-10-18	367ABCKU	17.5	590	6.9	77	310	380	0
PONTOTOC COUNTY										
01N-04E-36 BBA 1	GW	56-09-23	367ABCKU	10.0	614	7.9	7.7	312	380	--
01N-05E-03 CCB 1	GW	56-10-03	367ABCKU	15.5	831	7.5	20	323	394	--
01N-05E-04 HAA 1	GW	56-10-03	367ABCKU	13.0	575	7.8	.0	331	404	--
01N-05E-06 HAA 1	GW	56-10-03	367ABCKU	13.0	541	7.6	9.5	308	376	--
01N-05E-16 BDB 1	GW	56-09-23	367ABCKU	13.0	722	7.9	7.5	307	374	--
01N-05E-27 DCC 1	GW	59-02-06	371ABCKL	--	511	6.2	3.5	282	344	--
01N-05E-31 CDB 1	GW	77-11-16	367ABCKU	16.5	560	7.5	18	290	350	0
01N-06E-04 CAD 1	GW	59-01-18	367ABCKU	--	619	7.7	.0	336	410	--
01N-06E-05 BBC 1	GW	56-10-03	367ABCKU	10.0	652	7.5	23	367	448	--
01N-06E-11 BDC 1	SP	77-11-16	367ABCKU	17.0	590	7.2	40	330	400	0
01N-06E-18 HAH 1	GW	77-11-17	367ABCKU	17.5	580	7.4	25	320	390	0
01N-07E-19 ADA 1	SP	77-11-15	364SMPS	18.0	790	7.3	32	330	400	0
01N-07E-31 JCA 1	GW	77-11-17	364SMPS	17.0	875	7.1	55	350	430	0
02N-04E-13 DCC 1	GW	56-09-23	364SMPS	16.0	553	7.9	12	312	380	--
02N-04E-23 DAA 1	GW	77-11-16	367ABCKU	18.5	800	7.5	15	240	290	0
02N-05E-21 DCD 1	GW	77-11-16	367ABCKU	17.5	925	7.2	36	300	360	0
02N-05E-35 CAB 1	GW	56-10-03	367ABCKU	13.0	464	7.9	6.5	266	324	--
02N-05E-36 DAD 1	GW	56-09-23	367ABCKU	13.0	596	8.0	6.7	341	416	--
02N-06E-14 DCD 1	GW	56-09-23	364SMPS	15.5	577	8.0	6.3	323	394	--
02N-06E-34 ACA 1	GW	51-05-03	364SMPS	--	608	7.9	8.4	343	418	--
02N-06E-34 CCC 1	SP	54-12-22	--	17.2	623	8.1	5.2	338	412	0
		55-11-29		15.6	548	7.7	12	299	364	0
		56-09-23	367ABCKU	10.0	532	7.9	7.5	305	372	--

Table 5.--Concentration of common constituents and physical properties
of water from wells, springs, and streams--Continued

LOCAL NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CaCl ₂)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
MURRAY COUNTY -- CONTINUED										
01S-03E-24 BDA 1	77-10-18	330	73	36	8.8	1.5	.1	12	8.7	322
02S-01E-15 DAD 1	78-09-08	330	110	13	6.4	.5	.2	5.6	52	379
02S-02E-07 BDA 1	78-09-07	330	73	37	5.1	.8	.1	8.5	14	342
02S-02E-18 BDD 1	78-09-01	300	100	13	4.4	.8	.1	3.6	12	332
02S-02E-33 CRR 1	78-08-31	280	78	20	3.4	.8	.1	5.5	16	250
02S-03E-09 AAB 1	77-10-19	170	39	18	66	4.7	.3	9.0	6.0	314
02S-03E-24 ARA 1	77-10-18	320	78	30	2.5	1.0	.2	2.6	5.8	304
02S-03E-27 AAA 1	77-10-19	390	140	9.7	29	1.3	.5	35	69	452
02S-04E-31 BBB 1	77-10-18	310	100	15	2.5	.7	.2	2.6	10	328
PORTOT C COUNTY --CONTINUED										
01N-04E-36 HBA 1	56-09-23	350	72	41	3.6	1.2	.0	11	7.4	356
01N-05E-03 CCR 1	56-10-03	450	93	53	5.2	1.2	.1	30	20	499
01N-05E-04 BAA 1	56-10-03	330	72	37	5.2	1.8	.0	3.7	7.2	308
01N-05E-06 BAA 1	56-10-03	315	68	35	2.6	1.0	.0	5.2	3.9	292
01N-05E-16 BDB 1	56-09-23	400	79	49	8.0	3.1	.2	25	19	444
01N-05E-27 DCC 1	59-02-06	300	42	47	7.0	1.4	--	1.7	4.5	279
01N-05E-31 CDB 1	77-11-16	330	70	37	6.1	1.0	.1	20	12	310
01N-06E-04 CAD 1	59-01-18	370	75	45	4.7	1.6	--	3.1	6.6	363
01N-06E-05 BHC 1	56-10-03	380	86	40	3.9	1.5	.0	5.9	10	368
01N-06E-11 BDC 1	77-11-16	340	75	38	2.0	1.0	.1	2.9	5.5	315
01N-06E-18 BAB 1	77-11-17	340	71	40	12	.9	.1	5.7	12	325
01N-07E-19 ADA 1	77-11-15	380	85	40	31	2.6	.1	62	30	441
01N-07E-31 BCA 1	77-11-17	470	130	36	19	1.0	.1	35	50	544
02N-04E-13 DCC 1	56-09-23	310	72	32	15	1.6	.1	4.4	16	316
02N-04E-23 DAA 1	77-11-16	280	66	29	69	5.3	.6	93	30	448
02N-05E-21 DCD 1	77-11-16	460	97	54	12	2.2	.1	23	38	504
02N-05E-35 CAH 1	56-10-03	258	42	37	4.1	1.2	.0	4.4	6.2	246
02N-05E-36 DAD 1	56-09-23	335	78	34	7.2	1.5	.0	3.6	8.0	332
02N-06E-14 DCD 1	56-09-23	84	16	11	108	3.3	.8	4.6	8.2	340
02N-06E-34 ACA 1	51-05-03	362	81	39	4.3	.8	.0	5.5	8.6	357
02N-06E-34 CCC 1	54-12-22	330	84	29	4.0	--	--	7.0	--	--
	55-11-29	305	58	39	4.7	--	--	5.4	--	--
	56-09-23	305	61	37	4.1	1.0	.0	5.8	6.0	288

Table 6.--Concentration of trace metals in water from wells, springs, and streams

[Chemical constituents in micrograms per liter. Site: GW, well; SP, spring; SW, stream. Geologic unit: 364SMPs, Simpson Group; 367ABCKU, upper Arbuckle Group]

LOCAL NUMBER	SITE	GEO- LOGIC UNIT	DATE OF SAMPLE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
CARTER COUNTY										
02S-01E-22 DCC 1	GW	364SMPs	78-08-31	10	1	0	0	16	20	0
JOHNSTON COUNTY										
01S-04E-03 ADD 1	GW	367ABCKU	77-11-16	10	1	0	0	5	30	6
01S-04E-27 DCA 1	SP	367ABCKU	77-10-20	30	1	0	5	1	20	4
01S-05E-27 AAB 1	GW	367ABCKU	77-11-18	0	0	0	0	5	20	4
01S-05E-34 DDD 1	SP	367ABCKU	77-11-03	30	1	0	0	1	20	3
01S-06E-19 CAA 1	GW	367ABCKU	77-11-17	10	1	1	0	10	50	10
01S-06E-21 AOB 1	SP	367ABCKU	77-11-04	0	1	2	0	1	20	7
01S-06E-24 CAD 1	SP	367ABCKU	77-11-15	10	1	1	0	7	80	110
01S-06E-24 CBB 1	SW	--	77-11-14	0	1	0	0	3	10	6
01S-06E-25 CHB 1	GW	367ABCKU	77-11-17	10	1	0	0	11	80	8
01S-07E-19 CDC 1	SW	--	77-11-15	10	1	0	0	3	40	72
01S-07E-23 DDD 1	GW	364SMPs	77-11-17	70	1	0	0	6	30	5
01S-07E-34 ADD 1	SW	--	77-11-15	10	0	1	0	4	40	170
02S-04E-11 HBB 1	SW	--	77-10-20	20	1	1	10	1	20	13
02S-05E-08 ABB 2	GW	364SMPs	77-12-05	40	0	2	0	4	30	23
02S-05E-10 DDD 1	GW	367ABCKU	77-11-14	10	1	3	0	4	50	30
02S-06E-18 CAA 1	SP	367ABCKU	77-10-20	20	0	1	10	0	10	6
02S-06E-19 CBD 1	SW	--	77-10-21	20	0	1	0	1	30	13
02S-07E-07 HAB 1	SP	367ABCKU	77-11-04	10	1	1	0	7	20	10
02S-07E-17 CHB 1	SW	--	77-10-21	20	1	1	5	4	10	12
03S-04E-04 BCD 1	GW	367ABCKU	77-10-19	30	1	1	10	10	50	8
03S-04E-05 DBH 1	SP	367ABCKU	77-10-18	20	1	3	0	4	20	11
03S-04E-17 BCD 1	SW	--	77-10-17	20	1	1	10	4	10	12
03S-05E-30 DDC 1	SP	367ABCKU	77-10-20	40	1	1	0	2	40	14
MURRAY COUNTY										
01S-01E-15 BCB 1	SW	--	78-09-07	5	1	0	10	2	20	0
01S-01E-28 DDA 1	GW	367ABCKU	78-08-31	5	1	0	0	10	40	0
01S-01E-29 CDA 1	GW	367ABCKU	78-09-07	10	1	0	0	5	140	0

Table 6.--Concentration of trace metals in water from wells, springs,
and streams --Continued

LOCAL NUMBER	DATE OF SAMPLE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)
CARTER COUNTY -- CONTINUED				
02S-01E-22 DEC 1	78-08-31	0	.0	150
JOHNSTON COUNTY -- CONTINUED				
01S-04E-03 ADD 1	77-11-16	0	.0	220
01S-04E-27 DCA 1	77-10-20	10	.0	60
01S-05E-27 AAB 1	77-11-18	4	.0	110
01S-05E-34 DDD 1	77-11-03	0	.0	30
01S-06E-19 CAA 1	77-11-17	4	.0	1900
01S-06E-21 ADH 1	77-11-04	4	.0	20
01S-06E-24 CAD 1	77-11-15	10	.0	800
01S-06E-24 CBB 1	77-11-14	0	.0	20
01S-06E-25 CBB 1	77-11-17	0	.0	140
01S-07E-19 CQC 1	77-11-15	8	.0	1000
01S-07E-23 DDD 1	77-11-17	0	.0	80
01S-07E-34 ADD 1	77-11-15	0	.0	940
02S-04E-11 BHB 1	77-10-20	20	.0	30
02S-05E-08 AHH 2	77-12-05	0	.0	280
02S-05E-10 DDD 1	77-11-18	4	.0	20
02S-06E-18 CAA 1	77-10-20	80	.0	30
02S-06E-19 CHD 1	77-10-21	4	.0	20
02S-07E-07 BAB 1	77-11-04	4	.0	60
02S-07E-17 CHR 1	77-10-21	8	.0	90
03S-04E-04 RCD 1	77-10-19	4	.0	100
03S-04E-05 DHH 1	77-10-18	4	.0	180
03S-04E-17 BCD 1	77-10-17	8	.0	60
03S-05E-30 DUC 1	77-10-20	4	.0	20
MURRAY COUNTY -- CONTINUED				
01S-01E-15 HCB 1	78-09-07	10	.0	10
01S-01E-28 DDA 1	78-08-31	0	.0	70
01S-01E-29 CDA 1	78-09-07	10	.0	190

Table 6.--Concentration of trace metals in water from wells, springs,
and streams --Continued

LOCAL NUMBER	SITE	GEO- LOGIC UNIT	DATE OF SAMPLE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROMIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
MURRAY COUNTY -- CONTINUED										
01S-01N-07 DCC 1	SW	--	78-09-08	10	1	0	0	1	80	0
01S-01N-36 DCC 1	GW	367ABCKU	78-09-07	10	1	0	0	7	40	0
01S-02E-30 CDH 1	SW	--	78-09-01	5	1	0	0	3	650	0
01S-02E-31 CAC 1	GW	367ABCKU	78-09-01	0	0	0	0	13	130	0
01S-03E-24 HDA 1	SP	364SMP3	77-10-18	30	1	10	0	5	70	40
02S-01N-15 DAD 1	SW	--	78-09-08	0	1	0	10	0	50	0
02S-02E-07 HDA 1	GW	367ABCKU	78-09-07	5	1	0	10	10	20	0
02S-02E-18 RDD 1	GW	367ABCKU	78-09-01	0	1	0	10	7	50	0
02S-02E-33 CRH 1	SW	--	78-08-31	10	1	0	0	6	20	0
02S-03E-09 AAH 1	GW	364SMP3	77-10-19	30	1	2	5	5	350	24
02S-03E-24 AHA 1	GW	367ABCKU	77-10-18	20	0	3	0	15	60	21
02S-03E-27 AAA 1	GW	364SMP3	77-10-19	30	0	2	10	25	60	23
02S-04E-31 BHH 1	SP	367ABCKU	77-10-18	20	0	1	5	6	20	3
PONTOTOC COUNTY										
01N-05E-31 CDH 1	GW	367ABCKU	77-11-16	0	1	3	0	6	50	19
01N-06E-11 BDC 1	SP	367ABCKU	77-11-16	0	1	0	0	2	30	4
01N-06E-18 HAH 1	GW	367ABCKU	77-11-17	0	1	1	0	15	40	4
01N-07E-19 ADA 1	SP	364SMP3	77-11-15	10	1	1	0	6	30	46
01N-07E-31 BCA 1	GW	364SMP3	77-11-17	0	1	0	12	5	30	2
02N-04E-23 DAA 1	GW	367ABCKU	77-11-16	0	1	1	0	0	280	4
02N-05E-21 DCD 1	GW	367ABCKU	77-11-16	0	1	0	0	6	30	6

Table 6.--Concentration of trace metals in water from wells, springs,
and streams --Continued

LOCAL NUMBER	DATE OF SAMPLE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)
MURRAY COUNTY -- CONTINUED				
01S-01W-07 DCC 1	78-09-08	0	.0	10
01S-01W-36 DCC 1	78-09-07	0	.0	40
01S-02E-30 CDH 1	78-09-01	10	.0	10
01S-02E-31 CAC 1	78-09-01	10	.0	90
01S-03E-24 BDA 1	77-10-18	4	.0	200
02S-01W-15 DAD 1	78-09-08	0	.0	10
02S-02E-07 HDA 1	78-09-07	0	.0	40
02S-02E-18 BDD 1	78-09-01	0	.0	500
02S-02E-33 CHB 1	78-08-31	10	.0	30
02S-03E-09 AAB 1	77-10-19	8	.0	160
02S-03E-24 ABA 1	77-10-18	0	.0	160
02S-03E-27 AAA 1	77-10-19	10	.0	320
02S-04E-31 BHB 1	77-10-18	4	.0	60
PONTOTOC COUNTY --CONTINUED				
01N-05E-31 COB 1	77-11-16	0	.0	80
01N-06E-11 BDC 1	77-11-16	8	.0	30
01N-06E-18 BAB 1	77-11-17	4	.0	30
01N-07E-19 ADA 1	77-11-15	0	.0	500
01N-07E-31 HCA 1	77-11-17	0	.0	60
02N-04E-23 DAA 1	77-11-16	4	.0	10
02N-05E-21 DCU 1	77-11-16	0	.0	30

Table 7.--Water levels in observation wells

[The highest and lowest water levels given for each well are for the record listed in the table]

LOCAL NUMBER, 01N-04E-02 DDA 1,
LOCATION,--LAT 34 34'50", LONG 096 50'45", HYDROLOGIC UNIT 11140102, OWNER: J. SANDERS,
AQUIFER,--ARBUCKLE-SIMPSON,
WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 7 IN, DEPTH 335 FT,
DATUM,--MEASURING POINT: TOP OF CASING 0.6 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1976 TO 1979,

HIGHEST WATER LEVEL 97.66 FEET BELOW LAND SURFACE DATUM MAY 24, 1977.

LOWEST WATER LEVEL 150.72 FEET BELOW LAND SURFACE DATUM JAN 02, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 03, 1976	144.70	OCT 03, 1977	138.62	MAY 03, 1978	141.79	DEC 14, 1978	147.04
MAR 24, 1977	144.77	NOV 02	141.70	JUN 08	128.86	FEB 01, 1979	145.01
APR 25	119.32	DEC 05	145.14	JUL 06	106.22	MAR 08	146.76
MAY 24	97.66	JAN 02, 1978	150.72	AUG 08	115.75	APR 05	137.49
JUN 23	97.84	FEB 01	144.90	SEP 11	128.91	MAY 04	119.11
JUL 26	111.89	MAR 06	144.68	OCT 03	137.74		
AUG 25	124.33	APR 05	147.54	NOV 08	148.13		

LOCAL NUMBER, 01N-04E-25 AAC 1,
LOCATION,--LAT 34 31'58", LONG 096 49'47", HYDROLOGIC UNIT 11130304, OWNER: C. RUOS.
AQUIFER,--ARBUCKLE-SIMPSON,
WELL CHARACTERISTICS,--DRILLED OIL TEST WELL, DIAMETER 10 IN, DEPTH 1,020 FT,
DATUM,--MEASURING POINT: TOP OF CASING 0.5 FT ABOVE LAND-SURFACE DATUM.
REMARKS,--WELL ORIGINALLY 3,459 FT DEEP,
PERIOD OF RECORD,--1976 TO 1979,

HIGHEST WATER LEVEL 85.61 FEET BELOW LAND SURFACE DATUM JUL 06, 1978.

LOWEST WATER LEVEL 118.04 FEET BELOW LAND SURFACE DATUM MAR 08, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20, 1976	109.68	OCT 03, 1977	102.07	MAY 03, 1978	108.76	DEC 07, 1978	111.58
MAR 24, 1977	116.32	NOV 03	105.71	JUN 08	97.69	FEB 01, 1979	117.56
APR 25	98.04	DEC 05	109.85	JUL 06	85.61	MAR 08	118.04
MAY 23	92.47	JAN 03, 1978	113.35	AUG 08	92.02	APR 05	106.31
JUN 23	90.73	30	116.45	SEP 11	98.58	MAY 09	96.62

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LOCATION,--LAT 34 34'50", LONG 096 50'45", HYDROLOGIC UNIT 11140102, OWNER: J. SANDERS,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 7 IN, DEPTH 335 FT,
 DATUM,--MEASURING POINT: TOP OF CASING 0.6 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 97.66 FEET BELOW LAND SURFACE DATUM MAY 24, 1977.

LOWEST WATER LEVEL 150.72 FEET BELOW LAND SURFACE DATUM JAN 02, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 03, 1976	144.70	OCT 03, 1977	138.62	MAY 03, 1978	141.79	DEC 14, 1978	147.04
MAR 24, 1977	144.77	NOV 02	141.70	JUN 08	128.86	FEB 01, 1979	145.01
APR 25	119.32	DEC 05	145.14	JUL 06	106.22	MAR 08	146.76
MAY 24	97.66	JAN 02, 1978	150.72	AUG 08	115.75	APR 05	137.49
JUN 23	97.84	FEB 01	144.90	SEP 11	128.91	MAY 04	119.11
JUL 26	111.89	MAR 06	144.88	OCT 03	137.74		
AUG 29	124.33	APR 05	147.54	NOV 08	146.13		

LOCAL NUMBER, 01N-04E-25 AAC 1.
 LOCATION,--LAT 34 31'58", LONG 096 49'47", HYDROLOGIC UNIT 11130304, OWNER: C. RUOS.
 AQUIFER,--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS,--DRILLED OIL TEST WELL, DIAMETER 10 IN, DEPTH 1,020 FT.
 DATUM,--MEASURING POINT: TOP OF CASING 0.5 FT ABOVE LAND-SURFACE DATUM.
 REMARKS,--WELL ORIGINALLY 3,459 FT DEEP.
 PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 85.61 FEET BELOW LAND SURFACE DATUM JUL 06, 1978.

LOWEST WATER LEVEL 118.04 FEET BELOW LAND SURFACE DATUM MAR 08, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20, 1976	109.68	OCT 03, 1977	102.07	MAY 03, 1978	108.76	DEC 07, 1978	111.58
MAR 24, 1977	116.32	NOV 03	105.71	JUN 08	97.69	FEB 01, 1979	117.56
APR 25	98.04	DEC 05	109.85	JUL 06	85.61	MAR 08	118.04
MAY 23	92.47	JAN 03, 1978	113.35	AUG 08	92.02	APR 05	106.31
JUN 23	90.73	30	116.45	SEP 11	98.58	MAY 09	96.62
JUL 26	87.20	MAR 06	118.02	OCT 03	102.45		
AUG 25	96.34	APR 05	113.88	NOV 08	107.86		

LOCAL NUMBER, 01N-04E-31 CBA 1.
 LOCATION,--LAT 34 30'45", LONG 096 55'42", HYDROLOGIC UNIT 11130304, OWNER: WILLIAMS.
 AQUIFER,--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DIAMETER 6 IN, DEPTH 225 FT.
 DATUM,--MEASURING POINT: TOP OF SANITARY SEAL AT LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 118.75 FEET BELOW LAND SURFACE DATUM MAY 23, 1977.

LOWEST WATER LEVEL 142.01 FEET BELOW LAND SURFACE DATUM FEB 01, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 30, 1977	129.12	NOV 02, 1977	132.85	JUN 08, 1978	119.80	FEB 01, 1979	132.83
APR 25	118.76	DEC 06	135.80	JUL 06	119.96	MAR 09	131.59
MAY 23	118.75	JAN 04, 1978	139.45	AUG 08	123.02	APR 05	125.49
JUN 23	127.80	FEB 01	142.01	SEP 11	126.25	MAY 04	123.36
JUL 26	126.46	MAR 06	138.72	OCT 03	128.38		
AUG 25	127.80	APR 06	136.05	NOV 08	131.35		
OCT 03	131.34	MAY 02	130.45	DEC 14	133.90		

LOCAL NUMBER, 01N-04E-33 AAD 1.
 LOCATION,--LAT 34 31'05", LONG 096 52'50", HYDROLOGIC UNIT 11130304, OWNER: G. POWELL.
 AQUIFER,--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 7 IN, DEPTH 170 FT.
 DATUM,--MEASURING POINT: TOP OF STEEL PLATE ON CASING, 0.5 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 103.52 FEET BELOW LAND SURFACE DATUM JUL 06, 1978.

LOWEST WATER LEVEL 127.26 FEET BELOW LAND SURFACE DATUM MAR 06, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11, 1976	111.25	OCT 03, 1977	117.06	MAY 03, 1978	119.86	DEC 14, 1978	122.89
MAR 24, 1977	125.10	NOV 02	118.78	JUN 08	111.46	FEB 01, 1979	126.68
APR 25	109.83	DEC 06	125.64	JUL 06	103.52	MAR 09	126.66
MAY 23	107.47	JAN 04, 1978	123.74	AUG 08	109.24	APR 05	109.60
JUN 23	108.06	FEB 01	126.10	SEP 11	113.94	MAY 04	110.83
JUL 26	110.61	MAR 06	127.26	OCT 03	116.72		
AUG 25	112.91	APR 06	122.67	NOV 08	120.27		

LOCAL NUMBER, 014-05E-01 AAB 1,
 LOCATION,--LAT 34 35'27", LONG 096 43'20", HYDROLOGIC UNIT 11140102, OWNER: J. UNDERHILL,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DEPTH 124 FT.
 DATUM,--MEASURING POINT: TOP OF PISTON PUMP CASE 3.0 FT ABOVE LAND-SURFACE DATUM.
 REMARKS,--CASING COVERED BY CONCRETE SLAB.
 PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 63.79 FEET BELOW LAND SURFACE DATUM JUL 26, 1977.

LOWEST WATER LEVEL 86.86 FEET BELOW LAND SURFACE DATUM MAR 08, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19, 1976	76.51	OCT 03, 1977	71.32	MAY 03, 1978	80.43	DEC 15, 1978	81.01
MAR 25, 1977	83.24	NOV 03	74.96	JUN 08	73.79	FEB 02, 1979	82.57
APR 25	71.37	DEC 02	78.05	JUL 05	66.04	MAR 08	86.86
MAY 24	66.81	JAN 05, 1978	81.04	AUG 08	67.61	APR 05	78.91
JUN 23	66.17	FEB 01	83.60	SEP 11	70.81	MAY 04	71.56
JUL 26	63.79	MAR 06	85.34	OCT 03	73.32		
AUG 25	66.75	APR 07	82.35	NOV 08	77.37		

LOCAL NUMBER, 014-05E-09 ADA 1,
 LOCATION,--LAT 34 34'23", LONG 096 46'33", HYDROLOGIC UNIT 11140102, OWNER: BUXTON,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 150 FT.
 DATUM,--MEASURING POINT: TOP EDGE OF CONCRETE SLAB, 0.5 FT ABOVE LAND-SURFACE DATUM.
 PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 79.83 FEET BELOW LAND SURFACE DATUM JUL 26, 1977.

LOWEST WATER LEVEL 116.36 FEET BELOW LAND SURFACE DATUM FEB 02, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 08, 1976	108.64	AUG 25, 1977	86.74	MAR 06, 1978	111.91	NOV 08, 1978	102.13
MAR 24, 1977	109.20	OCT 03	93.48	APR 05	109.00	DEC 15	107.00
APR 25	88.05	NOV 02	97.85	MAY 03	106.37	FEB 02, 1979	116.36
MAY 24	80.04	DEC 06	103.20	JUN 07	92.52	MAR 09	112.90
JUN 22	80.54	JAN 03, 1978	105.54	JUL 06	84.38	APR 05	91.58
JUL 26	79.83	FEB 01	109.97	AUG 08	89.86	MAY 04	87.13

LOCAL NUMBER, 01N-05E-27 DCC 1,
 LOCATION,--LAT 34 31'20", LONG 096 45'50", HYDROLOGIC UNIT 11140102, OWNER: C. ROOS,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED UNUSED OIL TEST WELL, DIAMETER 12 IN, DEPTH 2,500 FT.
 DATUM,--MEASURING POINT: TOP OF 12 IN COUPLING 1.5 FT ABOVE LAND-SURFACE DATUM,
 REMARKS,--PREVIOUS RECORDER RECORD FROM 1959 TO 1968,
 PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 43.75 FEET BELOW LAND SURFACE DATUM JUN 15, 1978.

LOWEST WATER LEVEL 80.45 FEET BELOW LAND SURFACE DATUM FEB 25, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20, 1976	73.02	MAY 23, 1977	44.50	DEC 10, 1977	72.14	JUL 10, 1978	46.41
DEC 08	75.02	25	44.13	15	72.57	15	47.33
10	74.84	31	44.15	20	73.54	20	48.40
15	75.06	JUN 05	44.74	25	74.30	25	49.30
20	75.55	10	45.44	31	75.15	31	50.30
25	75.74	15	46.31	JAN 05, 1978	75.77	AUG 05	51.58
31	76.21	20	47.18	31	78.83	10	51.73
JAN 05, 1977	76.60	25	48.12	FEB 05	79.47	15	52.67
10	76.98	30	46.59	10	79.85	20	53.88
15	76.89	JUL 05	46.48	15	78.85	25	54.66
26	75.17	10	46.63	20	79.07	31	55.63
31	75.24	15	46.99	25	78.96	SEP 05	56.86
FEB 05	75.36	24	48.76	28	78.87	11	57.81
0	75.50	25	49.04	MAR 10	76.91	15	58.63
15	74.33	31	50.26	15	77.16	20	59.61
16	73.97	AUG 05	51.03	20	77.03	25	60.48
20	73.43	10	52.26	25	74.78	30	61.39
25	74.00	14	53.04	31	70.36	OCT 05	63.65
28	74.16	23	54.37	APR 05	67.52	10	64.25
MAR 05	74.34	25	54.95	10	67.19	15	65.50
10	74.18	31	55.00	15	65.02	20	66.20
15	74.17	SEP 06	55.63	20	64.12	25	67.33
16	73.14	10	56.92	25	63.89	30	68.43
20	73.00	20	58.52	30	63.64	NOV 15	70.28
25	73.04	25	59.54	MAY 05	63.96	20	71.38
26	73.04	30	60.26	10	63.77	25	71.82
31	58.26	OCT 05	61.49	15	63.60	30	72.31
APR 05	54.91	10	62.32	20	63.77	DEC 05	73.12
10	53.78	11	62.47	25	63.03	10	74.41
15	53.57	15	63.31	31	57.10	FEB 01, 1979	79.48
26	51.64	20	64.16	JUN 10	45.61	05	79.77
30	51.32	NOV 16	68.09	15	43.75	10	80.18
MAY 05	51.37	21	69.00	20	43.89	15	80.22
10	47.32	25	69.83	25	44.27	20	80.44
15	46.95	30	70.49	30	45.10	25	80.45
20	46.43	DEC 05	71.34	JUL 05	45.96	28	80.06

Table 7.--Water levels in observation wells --Continued

LOCAL NUMBER, 01N-05E-27 DEC 1, -- CONTINUED

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 05, 1979	78.31	MAR 25, 1979	67.2	MAY 10, 1979	52.23	MAY 31, 1979	50.47
10	76.51	30	63.73	15	52.03	JUL 30	49.44
15	78.86	APR 05	60.15	20	51.85		
20	76.5	10	58.8	25	50.84		

LOCAL NUMBER, 01N-06E-21 ACB 1,
LOCATION,--LAT 34 32'38", LONG 096 40'39", HYDROLOGIC UNIT 11140102, OWNER: FLINN,
AQUIFER,--ARBUCKLE-SIMPSON,
WELL CHARACTERISTICS,--DRILLED STUCK WELL, DIAMETER 6 IN, DEPTH 220 FT,
DATUM,--MEASURING POINT: TOP OF CASING 0.3 FT ABOVE LAND-SURFACE DATUM,

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 87.34 FEET BELOW LAND SURFACE DATUM APR 25, 1977.

LOWEST WATER LEVEL 107.12 FEET BELOW LAND SURFACE DATUM JAN 05, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 04, 1977	103.90	OCT 03, 1977	99.09	MAY 03, 1978	94.63	DEC 15, 1978	103.82
MAR 25	103.68	NOV 03	101.08	JUN 08	90.85	FEB 02, 1979	105.32
APR 25	87.34	DEC 06	103.68	JUL 06	89.70	MAR 08	103.93
MAY 23	98.35	JAN 05, 1978	107.12	AUG 08	94.25	APR 05	94.95
JUN 23	93.50	FEB 01	105.10	SEP 11	97.89	MAY 04	93.73
JUL 26	92.88	MAR 06	104.41	OCT 03	99.84		
AUG 25	96.06	APR 06	97.51	NOV 08	102.32		

LOCAL NUMBER, 011-06E-04 CAD 1.
 LOCATION, --LAT 34 34'57", LONG 096 40'45", HYDROLOGIC UNIT 11140102, OWNER: J. M. BREWSTER.
 AQUIFER, --ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS, --DRILLED OIL TEST WELL, DIAMETER 18 IN, DEPTH 396 FT.
 DATUM, --MEASURING POINT: BASE OF RECORDER SHELTER AT LAND-SURFACE DATUM.
 REMARKS, --WELL ORIGINALLY 1,707 FT DEEP.
 PERIOD OF RECORD, --1959 TO CURRENT YEAR.

HIGHEST WATER LEVEL 105.64 FEET BELOW LAND SURFACE DATUM MAY 05, 1979.

LOWEST WATER LEVEL 120.77 FEET BELOW LAND SURFACE DATUM FEB 25, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
UCT 05, 1976	116.97	APR 20, 1977	106.40	OCT 31, 1977	116.37	MAY 15, 1978	112.59
10	117.12	25	106.44	NOV 05	116.63	20	112.92
15	117.37	30	106.47	10	116.99	25	112.97
25	117.74	MAY 05	106.54	15	117.12	31	111.89
31	117.86	10	106.82	20	117.43	JUN 05	110.99
NOV 05	117.76	15	107.06	25	117.66	10	108.78
10	117.73	20	106.14	30	117.85	15	106.96
15	117.86	25	105.92	DEC 05	118.09	20	106.26
20	118.02	JUN 05	106.01	10	118.35	25	106.10
25	118.09	10	106.36	15	118.42	30	106.43
30	118.20	15	106.86	20	118.68	JUL 05	106.91
DEC 05	118.33	20	107.39	25	118.86	10	107.46
10	118.30	25	107.89	31	119.07	15	107.99
15	118.20	30	107.69	JAN 05, 1978	119.33	20	108.61
20	118.37	JUL 05	107.80	10	119.58	25	109.21
25	118.45	10	108.07	25	119.94	31	109.93
31	118.42	15	108.43	31	120.08	AUG 05	110.45
JAN 05, 1977	118.49	20	108.83	FEB 05	120.30	10	111.91
10	118.58	25	109.22	10	120.40	15	112.41
15	118.60	31	109.85	15	120.13	20	112.94
31	117.53	AUG 05	110.28	20	120.00	25	113.38
FEB 05	117.44	10	110.74	25	119.87	31	113.92
10	117.42	15	111.22	28	119.79	SEP 10	113.73
15	117.10	20	111.64	MAR 10	119.24	15	114.16
20	116.48	25	112.08	15	118.76	20	114.59
25	116.10	31	112.58	20	118.56	25	114.95
28	116.20	SEP 05	112.90	25	117.90	30	115.31
MAR 05	116.18	10	113.31	31	115.75	OCT 05	115.68
10	115.92	15	113.57	APR 05	115.14	10	115.92
15	115.98	20	113.88	10	114.72	15	116.33
20	115.86	25	114.20	15	113.64	20	116.58
25	115.84	30	114.48	20	112.85	25	116.87
31	110.89	OCT 10	115.21	25	112.54	31	117.28
APR 05	107.90	15	115.56	30	112.36	NOV 05	117.49
10	106.75	20	115.75	MAY 05	112.49	10	117.77
15	106.45	25	116.08	10	112.57	15	118.03

Table 7.--Water levels in observation wells --Continued

LOCAL NUMBER, 01N-06E-04 CAD 1 -- CONTINUED

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20, 1978	118.27	JAN 31, 1979	120.52	MAR 20, 1979	118.97	MAY 10, 1979	110.70
25	118.41	FEB 05	120.56	25	115.80	15	110.69
DEC 05	119.02	10	120.67	31	113.66	20	110.66
10	119.30	15	120.73	APR 05	112.76	25	110.02
15	119.41	20	120.69	10	107.15	31	109.03
20	119.61	25	120.77	15	106.51	JUN 05	108.65
25	119.81	28	120.59	20	105.92	10	108.10
31	120.13	MAR 05	120.25	25	105.66		
JAN 20, 1979	120.30	10	119.79	30	105.66		
25	120.41	15	119.61	MAY 05	105.64		

LOCAL NUMBER, 01N-06E-24 CAB 1,
LOCATION,--LAT 34 32'25", LONG 096 37'50", HYDROLOGIC UNIT 11140102, U-NEER K, HARDEN,
AQUIFER,--ARBUCKLE-SIMPSON,
WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 96 FT,
DATUM,--MEASURING POINT: TOP OF CASING 1.5 FT ABOVE LAND-SURFACE DATUM,

PERIOD OF RECORD,--1977 TO 1979,

HIGHEST WATER LEVEL 30.29 FEET BELOW LAND SURFACE DATUM APR 25, 1977.

LOWEST WATER LEVEL 56.75 FEET BELOW LAND SURFACE DATUM JAN 04, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 26, 1977	45.57	OCT 03, 1977	46.41	APR 06, 1978	50.09	OCT 02, 1978	54.40
MAR 24	42.04	NOV 03	49.53	MAY 03	39.70	NOV 08	55.62
APR 25	30.29	DEC 06	54.48	JUN 07	31.84	DEC 15	53.95
MAY 23	32.59	JAN 04, 1978	56.75	JUL 05	34.89		
JUN 23	36.19	FEB 01	52.46	AUG 08	40.74		
AUG 25	43.09	MAR 03	51.71	SEP 11	52.15		

LOCAL NUMBER, 01N-06E-29 CAB 1,
 LOCATION,--LAT 34 31'37", LONG 096 41'59", HYDROLOGIC UNIT 11140102, OWNER: V. STANFORD,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 7 IN, DEPTH 102 FT,
 DATUM,--MEASURING POINT: TOP OF CASING 1.0 FT ABOVE LAND-SURFACE DATUM,
 REMARKS,--WELL SUBJECT TO PUMPING,
 PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 70.16 FEET BELOW LAND SURFACE DATUM APR 25, 1977.

LOWEST WATER LEVEL 89.46 FEET BELOW LAND SURFACE DATUM FEB 02, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27, 1976	85.47	OCT 03, 1977	82.32	MAY 03, 1978	79.46	FEB 02, 1979	89.46
MAR 25, 1977	81.11	NOV 03	84.13	JUN 08	71.55	MAR 08	86.82
APR 25	70.16	DEC 07	86.43	JUL 06	72.83	APR 05	77.73
MAY 23	70.97	JAN 05, 1978	87.46	AUG 08	77.36	MAY 04	76.69
JUN 23	74.39	FEB 01	88.16	SEP 11	80.97		
JUL 26	76.09	MAR 06	87.36	OCT 03	82.96		
AUG 25	79.49	APR 06	84.07	DEC 15	87.52		

LOCAL NUMBER, 02N-05E-09 BAB 2,
 LOCATION,--LAT 34 39'54", LONG 096 47'12", HYDROLOGIC UNIT 11140102, OWNER: SANDMANN,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED OIL TEST WELL DIAMETER 8 IN, DEPTH REPORTED 2,017 FT,
 DATUM,--MEASURING POINT: TOP OF CASING 0.5 FT ABOVE LAND-SURFACE DATUM,
 REMARKS,--WELL FLOWS AT TIMES,
 PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 1.41 FEET BELOW LAND SURFACE DATUM APR 25, 1977.

LOWEST WATER LEVEL 40.77 FEET BELOW LAND SURFACE DATUM FEB 01, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30, 1976	19.57	OCT 03, 1977	23.16	MAY 03, 1978	4.94	DEC 15, 1978	22.94
MAR 24, 1977	7.68	NOV 02	37.18	JUN 08	F	FEB 02, 1979	9.87
APR 25	1.41	DEC 06	39.00	JUL 06	4.96	MAR 09	8.41
MAY 24	1.42	JAN 03, 1978	39.34	AUG 08	8.45	APR 05	1.68
JUN 23	7.80	FEB 01	40.77	SEP 11	10.20	MAY 04	1.98
JUL 26	9.27	MAR 06	10.86	OCT 03	11.13		
AUG 25	11.01	APR 05	8.06	NOV 08	34.34		

LOCAL NUMBER, 024-05E-21 DCD 1.
 LOCATION,--LAT 34 37'23", LONG 096 40'50", HYDROLOGIC UNIT 11140102, OWNER: M. KINGARD.
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DIAMETER 7 IN, DEPTH 130 FT.
 DATUM,--MEASURING POINT: TOP OF CASING 1.0 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 59.93 FEET BELOW LAND SURFACE DATUM MAY 24, 1977.

LOWEST WATER LEVEL 102.04 FEET BELOW LAND SURFACE DATUM DEC 15, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27, 1976	76.52	OCT 03, 1977	69.44	MAY 03, 1978	81.32	DEC 15, 1978	102.04
MAR 24, 1977	82.40	NOV 02	73.04	JUN 08	60.85	FEB 02, 1979	86.59
APR 25	67.56	DEC 06	77.62	JUL 06	64.05	MAR 09	86.26
MAY 24	59.93	JAN 03, 1978	80.76	AUG 08	65.80	APR 05	76.77
JUN 23	61.44	FEB 01	84.89	SEP 11	69.42	MAY 04	70.96
JUL 26	61.89	MAR 06	84.53	OCT 03	72.15		
AUG 25	64.81	APR 06	83.16	NOV 08	76.98		

LOCAL NUMBER, 019-03E-22 BAC 1.
 LOCATION,--LAT 34 27'34", LONG 096 58'49", HYDROLOGIC UNIT 11130303, OWNER: G. GRIFFITHS.
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DIAMETER 8 IN, DEPTH 254 FT.
 DATUM,--MEASURING POINT: TOP OF CASING 1.5 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 38.77 FEET BELOW LAND SURFACE DATUM JUL 05, 1978.

LOWEST WATER LEVEL 47.77 FEET BELOW LAND SURFACE DATUM FEB 02, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 10, 1977	45.99	OCT 04, 1977	46.15	JUN 07, 1978	43.34	FEB 01, 1979	46.43
MAR 25	45.48	NOV 01	46.55	JUL 05	38.77	MAR 08	42.89
APR 27	41.76	DEC 07	47.16	AUG 07	40.25	APR 05	40.79
MAY 25	40.80	JAN 05, 1978	47.54	SEP 06	43.03	MAY 03	39.07
JUN 21	41.34	FEB 02	47.77	OCT 02	44.54		
JUL 22	43.63	APR 06	47.39	NOV 08	45.93		
AUG 26	44.33	MAY 03	46.74	DEC 14	46.27		

LOCAL NUMBER, 013-04E-12 ADA 1,
 LOCATION,--LAT 34 29'17", LONG 096 49'43", HYDROLOGIC UNIT 11130304, OWNER: J. SPARKS,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 5 IN, DEPTH 110 FT,
 DATUM,--MEASURING POINT: TOP OF CASING AT PUMPHOUSE FLOOR, AT LAND SURFACE DATUM,

PERIOD OF RECORD,--1977 TO 1979,

HIGHEST WATER LEVEL 27.50 FEET BELOW LAND SURFACE DATUM JUL 05, 1978,

LOWEST WATER LEVEL 57.16 FEET BELOW LAND SURFACE DATUM FEB 01, 1979,

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 25, 1977	48.00	OCT 03, 1977	38.45	MAY 02, 1978	45.95	DEC 15, 1978	50.72
MAR 24	55.07	NOV 02	42.70	JUN 08	34.74	FEB 01, 1979	57.16
APR 25	36.12	DEC 05	47.03	JUL 05	27.50	MAR 08	56.87
MAY 24	29.89	JAN 03, 1978	53.11	AUG 07	31.29	APR 05	44.17
JUN 22	28.67	FEB 02	57.86	SEP 06	34.57	MAY 03	35.88
JUL 26	30.17	MAR 07	59.00	OCT 02	38.77		
AUG 25	33.94	APR 05	50.85	NOV 08	45.08		

LOCAL NUMBER, 013-04E-22 CDC 1,
 LOCATION,--LAT 34 26'55", LONG 096 52'25", HYDROLOGIC UNIT 11140304, OWNER: B. HANCOCK,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED DOMESTIC WELL, DIAMETER 6 IN, DEPTH 135 FT,
 DATUM,--MEASURING POINT: TOP OF SANI-SEAL AT PUMPHOUSE FLOOR, 3.0 FT ABOVE LAND SURFACE,
 REMARKS,--WELL SUBJECT TO PUMPING,
 PERIOD OF RECORD,--1977 TO 1979,

HIGHEST WATER LEVEL 35.50 FEET BELOW LAND SURFACE DATUM JUN 08, 1978,

LOWEST WATER LEVEL 49.12 FEET BELOW LAND SURFACE DATUM NOV 08, 1978,

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 08, 1977	47.20	OCT 03, 1977	48.53	MAY 02, 1978	45.02	DEC 15, 1978	48.67
MAR 25	46.85	NOV 01	48.64	JUN 08	35.50	FEB 01, 1979	48.32
APR 27	39.71	DEC 05	48.58	JUL 05	43.64	MAR 08	46.32
MAY 24	42.67	JAN 03, 1978	48.69	AUG 07	47.01	APR 05	42.70
JUN 24	45.83	FEB 02	48.61	SEP 06	48.35	MAY 03	42.98
JUL 25	46.93	MAR 07	47.84	OCT 02	48.62		
AUG 25	47.86	APR 05	44.44	NOV 08	49.12		

LOCAL NUMBER, 019-05E-27 AAB 1.
 LOCATION,--LAT 34 26'54", LONG 096 45'40", HYDROLOGIC UNIT 11130304, OWNER: DAUBE CORP.
 AQUIFER,--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS,--DRILLED DOMESTIC WELL, DIAMETER 6 IN, DEPTH 267 FT.
 DATUM,--MEASURING POINT: TOP OF CASING AT PUMPHOUSE FLOOR, 0.5 FT ABOVE LAND-SURFACE DATUM.
 REMARKS,--WELL SUBJECT TO PUMPING.
 PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 53.35 FEET BELOW LAND SURFACE DATUM JUN 07, 1978.

LOWEST WATER LEVEL 81.64 FEET BELOW LAND SURFACE DATUM FEB 02, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24, 1977	55.79	DEC 05, 1977	75.58	JUN 07, 1978	53.35	DEC 14, 1978	77.90
JUN 22	53.47	JAN 04, 1978	79.14	JUL 05	62.93	FEB 01, 1979	76.61
JUL 26	60.18	FEB 02	81.64	AUG 07	76.20	MAR 08	80.45
AUG 28	70.23	MAR 07	73.27	SEP 06	63.70	APR 05	68.53
OCT 03	74.71	APR 05	64.03	OCT 02	72.50	MAY 03	60.92
NOV 02	74.14	MAY 02	62.19	NOV 08	78.78		

LOCAL NUMBER, 019-06E-05 CCC 1.
 LOCATION,--LAT 34 29'37", LONG 096 42'15", HYDROLOGIC UNIT 11140102, OWNER: BURNETT.
 AQUIFER,--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 123 FT.
 DATUM,--MEASURING POINT: TOP OF CASING 1.0 FT ABOVE LAND-SURFACE DATUM.
 REMARKS,--WELL SUBJECT TO PUMPING.
 PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 61.20 FEET BELOW LAND SURFACE DATUM APR 25, 1977.

LOWEST WATER LEVEL 77.33 FEET BELOW LAND SURFACE DATUM FEB 01, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 03, 1976	72.81	JUL 27, 1977	65.21	FEB 02, 1978	77.12	OCT 02, 1978	72.40
MAR 24, 1977	69.77	AUG 25	69.53	APR 06	70.45	NOV 08	74.68
APR 25	61.20	NOV 02	73.03	JUL 06	63.59	FEB 01, 1979	77.33
MAY 23	62.10	DEC 07	75.44	AUG 08	74.66	MAR 08	74.99
JUN 22	64.79	JAN 04, 1978	78.50	SEP 11	70.81		

LOCAL NUMBER, 013-06E-35 BDB 1.

LOCATION,--LAT 34 25'48", LONG 096 38'53", HYDROLOGIC UNIT 11140102, OWNER: S. SPEARS,
AQUIFER,--ARBUCKLE-SIMPSON.

WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 78 FT.

DATUM,--MEASURING POINT: TOP OF SANITARY SEAL 1.4 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1976 TO 1979.

HIGHEST WATER LEVEL 4.24 FEET BELOW LAND SURFACE DATUM JUN 07, 1978.

LOWEST WATER LEVEL 14.85 FEET BELOW LAND SURFACE DATUM APR 05, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 04, 1976	4.59	AUG 23, 1977	8.85	APR 06, 1978	4.57	OCT 02, 1978	10.02
MAR 24, 1977	5.22	OCT 03	6.89	MAY 02	5.43	DEC 15	5.98
APR 26	4.77	NOV 02	6.86	JUN 07	4.24	FEB 01, 1979	5.20
MAY 24	5.04	DEC 07	8.06	JUL 05	6.25	MAR 08	4.48
JUN 22	6.70	JAN 04, 1978	9.38	AUG 08	7.67	APR 05	14.85
JUL 27	7.49	FEB 01	6.21	SEP 06	9.23	MAY 03	5.24

LOCAL NUMBER, 013-07E-02 CBB 1.

LOCATION,--LAT 34 29'22", LONG 096 32'55", HYDROLOGIC UNIT 11140104, OWNER: C. LANDRUM,
AQUIFER,--ARBUCKLE-SIMPSON.

WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 130 FT.

DATUM,--MEASURING POINT: TOP OF CASING 0.5 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 89.89 FEET BELOW LAND SURFACE DATUM APR 06, 1978.

LOWEST WATER LEVEL 99.70 FEET BELOW LAND SURFACE DATUM JAN 04, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 09, 1977	91.98	OCT 03, 1977	96.04	MAY 02, 1978	92.84	DEC 15, 1978	95.48
MAR 25	92.36	NOV 03	97.97	JUN 07	90.62	FEB 02, 1979	94.55
APR 26	91.58	DEC 06	97.12	JUL 06	94.11	MAR 08	92.48
MAY 24	92.71	JAN 04, 1978	99.70	AUG 08	95.64	APR 05	92.03
JUN 22	94.74	FEB 02	96.19	SEP 07	96.80	MAY 04	92.41
JUL 27	99.29	MAR 06	92.80	OCT 02	96.83		
AUG 25	96.71	APR 06	89.89	NOV 08	97.63		

LOCAL NUMBER, 019-07E-06 MHB 1,
 LOCATION,--LAT 34 30'18", LONG 096 37'02", HYDROLOGIC UNIT 11140102, OWNER: TOM HARDEN,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DIAMETER 6 IN, DEPTH 53 FT,
 DATUM,--MEASURING POINT: TOP OF CASING AT PUMPHOUSE FLOOR 0.3 FT ABOVE LAND-SURFACE DATUM,

PERIOD OF RECORD,--1977 TO 1979,

HIGHEST WATER LEVEL 8.11 FEET BELOW LAND SURFACE DATUM APR 25, 1977,

LOWEST WATER LEVEL 16.04 FEET BELOW LAND SURFACE DATUM FEB 02, 1979,

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 25, 1977	12.26	OCT 03, 1977	15.41	MAY 03, 1978	11.20	DEC 15, 1978	17.44
MAR 24	10.35	NOV 03	15.94	JUN 07	8.55	FEB 02, 1979	16.04
APR 25	8.11	DEC 06	16.44	JUL 05	11.29	MAR 08	16.04
MAY 23	10.36	JAN 04, 1978	16.65	AUG 08	13.46	APR 05	10.26
JUN 23	12.20	FEB 01	17.00	SEP 07	14.99	MAY 03	10.53
JUL 26	13.49	MAR 06	17.07	OCT 03	15.89		
AUG 25	13.30	APR 06	15.57	NOV 08	17.02		

LOCAL NUMBER, 019-07E-08 BAA 1,
 LOCATION,--LAT 34 29'32", LONG 096 35'37", HYDROLOGIC UNIT 11140104, OWNER: C. LANDRUM,
 AQUIFER,--ARBUCKLE-SIMPSON,
 WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 200 FT,
 DATUM,--MEASURING POINT: TOP OF CASING 1.0 FT ABOVE LAND-SURFACE DATUM,

PERIOD OF RECORD,--1977 TO 1979,

HIGHEST WATER LEVEL 13.04 FEET BELOW LAND SURFACE DATUM JUN 08, 1978,

LOWEST WATER LEVEL 43.30 FEET BELOW LAND SURFACE DATUM NOV 08, 1978,

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 09, 1977	20.23	OCT 03, 1977	24.60	MAY 03, 1978	20.63	DEC 15, 1978	21.62
MAR 25	20.45	NOV 03	30.04	JUN 08	13.04	FEB 02, 1979	20.65
APR 26	18.82	DEC 06	35.26	JUL 05	20.94	MAR 08	16.00
MAY 24	20.68	JAN 04, 1978	41.85	AUG 08	25.00	APR 05	16.49
JUN 22	22.64	FEB 02	37.21	SEP 07	31.38	MAY 04	20.56
JUL 26	26.61	MAR 06	20.60	OCT 03	33.93		
AUG 25	32.62	APR 07	19.97	NOV 08	43.30		

LOCAL NUMBER, 018-07E-20 CAB 1.
 LOCATION,--LAT 34 27'07", LONG 096 35'47", HYDROLOGIC UNIT 11140102, OWNER: D. BOWMAN.
 AQUIFER,--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS,--DRILLED DOMESTIC WELL, DIAMETER 6 IN, DEPTH 90 FT.
 DATUM,--MEASURING POINT: TOP OF SANITARY SEAL 3.0 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 6.10 FEET BELOW LAND SURFACE DATUM DEC 15, 1978.

LOWEST WATER LEVEL 17.32 FEET BELOW LAND SURFACE DATUM NOV 08, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 08, 1977	15.07	OCT 03, 1977	15.08	MAY 02, 1978	12.57	DEC 15, 1978	6.10
MAR 25	11.21	NOV 02	15.34	JUN 08	10.16	FEB 02, 1979	16.61
APR 26	7.74	DEC 06	16.23	JUL 06	10.76	MAR 08	15.83
MAY 24	8.50	JAN 04, 1978	15.11	AUG 08	13.52	APR 05	13.35
JUN 22	10.64	FEB 02	16.02	SEP 11	17.04	MAY 04	13.46
JUL 27	13.19	MAR 03	16.46	OCT 03	15.52		
AUG 25	12.35	APR 06	14.26	NOV 08	17.32		

LOCAL NUMBER, 018-07E-23 DDD 1.
 LOCATION,--LAT 34 26'57", LONG 096 36'27", HYDROLOGIC UNIT 11140104, OWNER: C. LANDRUM.
 AQUIFER,--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS,--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 140 FT.
 DATUM,--MEASURING POINT: TOP OF CASING AT PUMPHOUSE FLOOR AT LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 47.21 FEET BELOW LAND SURFACE DATUM FEB 04, 1977.

LOWEST WATER LEVEL 95.44 FEET BELOW LAND SURFACE DATUM NOV 08, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 04, 1977	47.21	OCT 03, 1977	83.12	JUN 08, 1978	61.72	FEB 02, 1979	78.67
MAR 25	59.15	NOV 02	85.29	JUL 06	90.60	MAR 08	67.03
APR 26	79.97	DEC 06	87.69	AUG 08	80.71	APR 05	72.13
MAY 24	73.04	JAN 04, 1978	91.13	SEP 11	85.10	MAY 04	66.84
JUN 22	76.30	FEB 02	79.79	OCT 02	87.70		
JUL 27	83.18	APR 08	64.05	NOV 08	95.44		
AUG 25	81.98	MAY 03	66.32	DEC 15	82.54		

Table 7.--Water levels in observation wells --Continued

LOCAL NUMBER, 019-07E-25 CBC 1.
LOCATION,--LAT 34 26'17", LONG 096 36'17", HYDROLOGIC UNIT 11140104, OWNER: UNKNOWN,
AQUIFER,--ARBUCKLE-SIMPSON,
WELL CHARACTERISTICS,--DRILLED STUCK WELL, DIAMETER 5 IN, DEPTH 287 FT,
DATUM,--MEASURING POINT: TOP OF CASING 2.0 FT ABOVE LAND-SURFACE DATUM,

PERIOD OF RECORD,--1977 TO 1979,

HIGHEST WATER LEVEL 51.09 FEET BELOW LAND SURFACE DATUM JUN 08, 1978,

LOWEST WATER LEVEL 83.49 FEET BELOW LAND SURFACE DATUM NOV 08, 1978,

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 04, 1977	52.38	DEC 06, 1977	76.87	JUL 06, 1978	62.67	FEB 02, 1979	68.50
JUN 22	69.48	JAN 04, 1978	80.04	AUG 08	73.70	MAR 08	54.91
JUL 27	74.99	FEB 02	72.31	SEP 11	78.20	APR 05	52.24
AUG 25	78.63	APR 08	52.18	OCT 03	80.42	MAY 04	55.33
OCT 03	77.10	MAY 03	55.80	NOV 08	83.49		
NOV 02	78.59	JUN 08	51.09	DEC 15	76.69		

LOCAL NUMBER, 029-03E-13 CCD 1.
LOCATION,--LAT 34 23'35", LONG 096 56'53", HYDROLOGIC UNIT 11130304, OWNER: W. WILLIAMS,
AQUIFER,--ARBUCKLE-SIMPSON,
WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DIAMETER 5 IN, DEPTH 79 FT,
DATUM,--MEASURING POINT: TOP OF CASING IN CONCRETE SLAB, 0.2 FT ABOVE LAND-SURFACE DATUM,

PERIOD OF RECORD,--1977 TO 1979,

HIGHEST WATER LEVEL 9.10 FEET BELOW LAND SURFACE DATUM JUN 07, 1978,

LOWEST WATER LEVEL 23.23 FEET BELOW LAND SURFACE DATUM FEB 02, 1978,

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM,

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 1977	17.21	OCT 04, 1977	22.51	JUN 07, 1978	9.10	FEB 01, 1979	17.70
25	17.66	NOV 01	22.78	JUL 05	18.40	MAR 08	14.24
APR 27	14.46	DEC 07	22.88	AUG 07	21.07	APR 05	13.73
MAY 25	18.69	JAN 05, 1978	23.06	SEP 06	22.05	MAY 03	16.94
JUN 21	20.58	FEB 02	23.23	OCT 02	22.34		
JUL 27	21.44	APR 06	17.15	NOV 08	22.86		
AUG 26	22.16	MAY 03	18.50	DEC 14	20.70		

Table 7.--Water levels in observation wells --Continued

WELL NUMBER, 029-04E-26 CRA 1.
LOCATION,--LAT 34 21'13", LONG 96 51'32", HYDROLOGIC UNIT 11130304, OWNER, J. THORNTON.
AQUIFER,--ARBUCKLE-SIMPSON.
WELL CHARACTERISTICS,--UNUSED CORE HOLE, DIAMETER 5 IN, DEPTH 145 FT.
DATUM,--MEASURING POINT: FLOOR OF RECORDER SHELTER 3.2 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 19.74 FEET BELOW LAND SURFACE DATUM APR 25, 1977.

LOWEST WATER LEVEL 37.67 FEET BELOW LAND SURFACE DATUM JAN 10, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 07, 1977	29.30	SEP 30, 1977	33.26	APR 20, 1978	22.93	NOV 10, 1978	37.27
MAR 25	28.09	OCT 05	33.85	25	24.09	15	37.44
APR 13	21.43	10	34.18	30	24.74	20	37.47
15	21.86	15	34.53	MAY 03	25.22	25	37.46
20	21.50	20	34.76	05	25.62	DEC 15	36.95
25	19.74	NOV 20	35.42	10	26.20	20	37.11
30	20.70	25	35.56	12	26.49	25	37.27
MAY 24	22.94	30	35.62	JUN 07	24.00	30	37.47
25	23.00	DEC 05	35.87	JUL 05	26.71	JAN 05, 1979	37.60
31	23.89	10	36.00	15	28.49	10	37.67
JUN 05	24.71	15	36.01	20	29.37	14	35.54
09	25.34	20	36.27	25	30.05	FEB 05	35.50
10	25.63	25	36.41	31	30.79	10	35.51
15	26.49	31	36.58	AUG 05	31.35	20	35.42
20	27.31	JAN 05, 1978	36.68	10	31.73	25	35.58
25	28.03	25	37.19	15	32.42	MAR 08	29.28
JUL 05	29.02	31	37.30	SEP 06	34.32	15	29.95
21	30.77	FEB 05	37.36	10	34.51	APR 05	22.94
AUG 12	33.03	10	37.26	15	34.79	10	23.80
23	33.72	MAR 10	28.58	25	35.37	15	24.56
25	33.88	15	27.90	30	35.64	30	25.21
31	32.21	20	28.05	OCT 05	35.93	MAY 03	25.54
SEP 05	32.40	25	26.00	10	36.13	05	25.91
10	32.86	31	24.16	15	36.39	08	26.19
15	32.65	APR 05	24.65	20	36.59	15	27.09
20	32.70	10	25.16	25	36.71	JUN 27	27.85
25	33.01	15	22.18	31	37.02		

Table 7.--Water levels in observation wells --Continued

LOCAL NUMBER, 029-05E-03 CRC 1.
 LOCATION.--LAT 34 24'32", LONG 096 46'22", HYDROLOGIC UNIT 11130304, U-NER: R, GRAY.
 AQUIFER.--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS.--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 160 FT.
 DATUM.--MEASURING POINT: TOP OF CASING 1.0 FT ABOVE LAND-SURFACE DATUM.
 REMARKS.--WELL SUBJECT TO PUMPING.
 PERIOD OF RECORD.--1977 TO 1979.

HIGHEST WATER LEVEL 93.90 FEET BELOW LAND SURFACE DATUM MAY 03, 1979.

LOWEST WATER LEVEL 103.39 FEET BELOW LAND SURFACE DATUM JAN 04, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31, 1977	100.05	OCT 03, 1977	102.76	JUN 07, 1978	94.47	FEB 01, 1979	103.12
MAR 25	98.98	NOV 01	103.03	JUL 05	97.50	MAR 08	101.35
APR 25	95.54	DEC 05	103.22	AUG 07	99.29	APR 05	95.70
MAY 24	96.80	JAN 04, 1978	103.39	SEP 06	101.66	MAY 03	93.90
JUN 22	98.16	FEB 02	103.69	OCT 02	102.62		
JUL 26	100.21	APR 05	97.16	NOV 08	103.28		
AUG 25	101.55	MAY 02	97.39	DEC 14	103.05		

Table 7.--Water levels in observation wells --Continued

LOCAL NUMBER, 023-06E-12 CCB 1.
 LOCATION.--LAT 34 23'37", LONG 96 38'08", HYDROLOGIC UNIT 11140102, OWNER: P. FERRIS.
 AQUIFER.--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS.--DRILLED UNUSED WELL, DIAMETER 4 IN, DEPTH 75 FT.
 DATUM.--MEASURING POINT: BOTTOM OF RECORDER SHELTER FLOOR 3.0 FT ABOVE LAND-SURFACE DATUM.
 PERIOD OF RECORD.--1976 TO 1979.
 HIGHEST WATER LEVEL 14.75 FEET BELOW LAND SURFACE DATUM APR 25, 1977.
 LOWEST WATER LEVEL 39.53 FEET BELOW LAND SURFACE DATUM FEB 05, 1978.
 WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 11, 1976	34.91	JUN 30, 1977	22.52	DEC 10, 1977	37.28	SEP 30, 1978	30.08
FEB 08, 1977	26.35	JUL 05	23.20	15	37.48	OCT 05	30.72
MAR 28	20.90	10	23.92	20	38.34	25	33.27
31	18.70	15	24.82	JAN 25, 1978	39.50	NOV 10	35.15
APR 05	15.90	20	25.46	31	39.51	15	35.66
10	15.18	31	26.78	FEB 05	39.53	20	35.77
15	15.24	AUG 05	27.46	10	39.50	25	35.70
20	15.38	18	29.36	15	35.89	DEC 15	35.71
25	14.75	20	29.56	20	34.77	20	36.01
30	14.91	25	29.87	MAR 09	31.90	25	36.39
MAY 05	15.09	SEP 16	31.84	APR 06	23.61	30	36.75
10	15.65	20	31.95	MAY 05	18.47	FEB 02, 1979	36.56
12	15.90	25	32.33	10	17.58	05	36.56
15	16.27	30	32.70	15	17.32	MAR 08	31.68
20	16.78	OCT 05	33.20	20	16.95	15	30.64
25	17.18	06	33.36	25	17.14	APR 05	13.43
31	18.05	10	33.69	JUL 06	16.10	MAY 03	19.34
JUN 05	18.78	15	34.16	15	17.94	05	19.55
09	19.34	25	35.22	20	19.05	10	20.13
10	19.70	NOV 09	35.77	25	19.88	15	20.85
15	20.54	10	35.81	31	20.93	20	21.25
20	21.34	15	35.90	AUG 05	21.82	JUN 27	19.91
25	22.19	20	36.21	SEP 06	27.20		

Table 7.--Water levels in observation wells --Continued

LOCAL NUMBER, 023-06E-04 CAB 1.
LOCATION.--LAT 34 24'43", LONG 096 40'57", HYDROLOGIC UNIT 11130304, OWNER: W. CORBIN,
AQUIFER.--ARBUCKLE-SIMPSON,
WELL CHARACTERISTICS.--DRILLED STOCK WELL, DIAMETER 6 IN, DEPTH 143 FT,
DATUM.--MEASURING POINT: TOP OF CASING 0.5 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD.--1976 TO 1979.

HIGHEST WATER LEVEL 83.52 FEET BELOW LAND SURFACE DATUM JUN 07, 1978.

LOWEST WATER LEVEL 132.92 FEET BELOW LAND SURFACE DATUM FEB 02, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 04, 1976	123.78	OCT 03, 1977	111.35	JUN 07, 1978	83.52	FEB 01, 1979	7.96
MAR 24, 1977	110.50	NOV 02	123.53	JUL 05	86.51	MAR 08	12.93
APR 26	85.61	DEC 06	129.08	AUG 08	101.88	APR 05	98.45
MAY 24	90.33	JAN 04, 1978	131.60	SEP 06	111.35	MAY 03	101.70
JUN 22	98.84	FEB 02	132.92	OCT 02	118.83		
JUL 27	105.72	APR 06	106.18	NOV 08	125.12		
AUG 25	115.73	MAY 02	95.78	DEC 14	127.26		

LOCAL NUMBER, 023-07E-07 AAA 1.
LOCATION.--LAT 34 24'14", LONG 096 36'12", HYDROLOGIC UNIT 11140102, OWNER: P. TEAFATELLER,
AQUIFER.--ARBUCKLE-SIMPSON,
WELL CHARACTERISTICS.--DRILLED DOMESTIC WELL, DIAMETER 6 IN, DEPTH 160 FT,
DATUM.--MEASURING POINT: TOP OF CASING 1.0 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD.--1977 TO 1979.

HIGHEST WATER LEVEL 38.44 FEET BELOW LAND SURFACE DATUM JUN 08, 1978.

LOWEST WATER LEVEL 57.20 FEET BELOW LAND SURFACE DATUM MAR 03, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 05, 1977	53.84	OCT 03, 1977	54.30	MAY 03, 1978	47.45	DEC 15, 1978	53.23
MAR 25	50.60	NOV 02	56.65	JUN 08	38.44	FEB 02, 1979	52.01
APR 26	42.90	DEC 07	53.66	JUL 06	47.51	MAR 08	46.28
MAY 24	47.43	JAN 04, 1978	54.16	AUG 08	50.66	APR 05	44.20
JUN 22	51.94	FEB 02	54.41	SEP 11	52.15	MAY 04	47.11
JUL 27	51.64	MAR 03	57.20	OCT 03	52.71		
AUG 25	52.61	APR 04	55.38	NOV 08	53.43		

Table 7.--water level in observation wells --Continued

LOCAL NUMBER, 033-04E-06 CCA 1.
LOCATION,--LAT 34 19'14", LONG 096 55'46", HYDROLOGIC UNIT 11130304, OWNER: P. HOWE.
AQUIFER,--ARBUCKLE-SIMPSON.
WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DIAMETER 8 IN, DEPTH 70 FT.
DATUM,--MEASURING POINT: TOP OF CASING 3.3 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 15.54 FEET BELOW LAND SURFACE DATUM JUN 07, 1978.

LOWEST WATER LEVEL 27.11 FEET BELOW LAND SURFACE DATUM NOV 08, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08, 1977	27.10	AUG 26, 1977	26.73	MAY 03, 1978	16.88	NOV 08, 1978	27.11
MAR 25	20.87	OCT 04	27.01	JUN 07	15.54	DEC 14	26.78
APR 27	15.78	NOV 01	27.00	JUL 05	18.20	FEB 01, 1979	26.04
MAY 25	17.70	DEC 07	26.99	AUG 07	23.48	MAR 08	19.94
JUN 21	21.78	FEB 02, 1978	26.72	SEP 06	27.00	APR 05	15.84
JUL 27	26.55	APR 06	17.69	OCT 02	27.02	MAY 03	16.45

LOCAL NUMBER, 033-04E-06 CCD 1.
LOCATION,--LAT 34 19'12", LONG 096 55'47", HYDROLOGIC UNIT 11130304, OWNER: P. HOWE.
AQUIFER,--ARBUCKLE-SIMPSON.
WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DIAMETER 6 IN, DEPTH 105 FT.
DATUM,--MEASURING POINT: TOP OF CASING 0.5 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 13.00 FEET BELOW LAND SURFACE DATUM JUN 07, 1978.

LOWEST WATER LEVEL 20.78 FEET BELOW LAND SURFACE DATUM FEB 02, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 25, 1977	15.35	OCT 04, 1977	18.29	MAY 03, 1978	14.91	NOV 08, 1978	18.25
APR 27	14.84	NOV 01	18.93	JUN 07	13.00	DEC 14	18.86
MAY 25	15.37	DEC 07	19.58	JUL 05	15.08	FEB 01, 1979	20.24
JUN 21	15.82	JAN 05, 1978	20.23	AUG 07	15.83	MAR 08	16.56
JUL 27	16.62	FEB 02	20.78	SEP 06	16.64	APR 05	14.22
AUG 26	17.36	APR 06	14.87	OCT 02	17.25	MAY 03	14.96

Table 7.--Water levels in observation wells --Continued

LOCAL NUMBER, 033-04E-23 AB9 1.
 LOCATION,--LAT 34 17'17", LONG 096 51'13", HYDROLOGIC UNIT 11130304, OWNER: DAUBE CORP.
 AQUIFER,--ARBUCKLE-SIMPSON.
 WELL CHARACTERISTICS,--DRILLED UNUSED WELL, DIAMETER 9 IN, DEPTH 221 FT.
 DATUM,--MEASURING POINT: TOP OF CASING 1.0 FT ABOVE LAND-SURFACE DATUM.

PERIOD OF RECORD,--1977 TO 1979.

HIGHEST WATER LEVEL 18.66 FEET BELOW LAND SURFACE DATUM APR 26, 1977.

LOWEST WATER LEVEL 35.25 FEET BELOW LAND SURFACE DATUM FEB 02, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 15, 1977	30.45	OCT 04, 1977	32.39	JUN 07, 1978	25.05	FEB 01, 1979	33.22
25	30.66	NOV 01	32.91	JUL 05	31.23	MAR 08	25.69
APR 26	18.66	DEC 07	33.61	AUG 07	31.57	APR 05	20.00
MAY 24	30.57	JAN 03, 1978	34.47	SEP 06	31.97	MAY 03	29.67
JUN 21	31.01	FEB 02	35.25	OCT 02	32.11		
JUL 25	31.42	APR 05	25.59	NOV 08	33.01		
AUG 25	31.93	MAY 03	29.38	DEC 14	32.91		

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