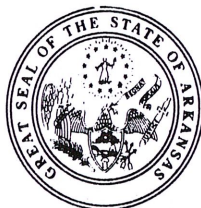


STATE OF ARKANSAS
ARKANSAS DEPARTMENT OF COMMERCE
ARKANSAS GEOLOGICAL COMMISSION

WATER RESOURCES SUMMARY 15

GROUND-WATER LEVELS IN OBSERVATION
WELLS IN ARKANSAS,
SPRING, 1980



Measured by the U. S. Geological Survey in cooperation
with the Arkansas Geological Commission

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Arkansas Geological Commission
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GROUND-WATER LEVELS IN OBSERVATION WELLS IN ARKANSAS,
SPRING 1980

INTRODUCTION

This report contains records of water-level measurements from wells in Arkansas which comprise the statewide observation-well network maintained by the U.S. Geological Survey. Water-level measurements shown in the report were made during March, April, and May 1980.

Potentiometric maps for two of the more important and heavily pumped aquifers, the Quaternary alluvium (fig. 1) and Sparta Sand (fig. 2), are also included in the report. The maps were developed from data shown in tables 1 and 4, respectively. In addition, hydrographs of selected wells tapping the Quaternary alluvium (fig. 3) and Sparta Sand (fig. 4) are included in the report to show long-term variations in water levels at various locations in the respective aquifers.

The observation-well network is designed to provide sufficient data for an evaluation of the regional trend of water-level changes in each of the principal water-bearing formations (aquifers) that are tapped by wells in the State. Water-level data are listed in the report by aquifer, then by county.

Table headings used in the report are defined as follows:

Well number: Township, range, and section number designation of well (fig. 5).

Altitude of land surface: Altitude (elevation) of the land surface at the well in feet above mean sea level.

Depth to water: Measured depth to water in feet below land surface. A plus (+) preceding the depth-to-water value indicates the water level is above land surface.

Altitude of water level: Altitude (elevation) of water level in feet above, or feet below (-), mean sea level.

Net change: Difference between the 1976 and 1980 depth-to-water measurements. Sign indicates a decline (-) or a rise (+) in water levels in the well during the 1976-80 period unless specified differently under "Remarks."

Remarks: (Year)--1980, time interval for net-change value where water-level data are available for less than 5 years.

Data on depths of wells are not shown in this report. However, a qualitative distinction generally is made locally for describing well depths. Thus, wells tapping deposits of Quaternary age are considered to be "shallow wells"; whereas, wells tapping other aquifers are considered to be "deep wells."

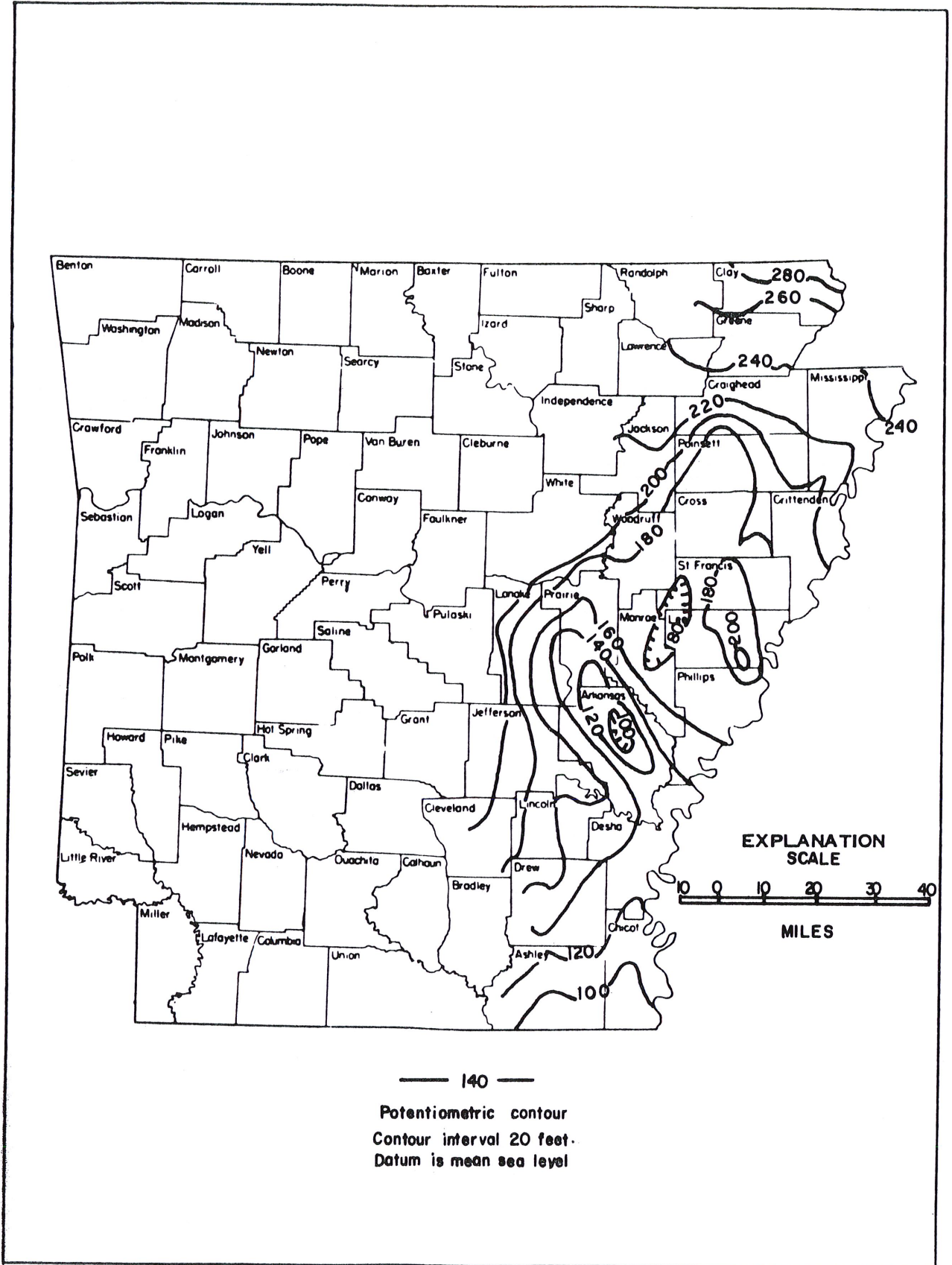


Figure 1. — Potentiometric levels in the Quaternary Alluvium, Spring 1980.

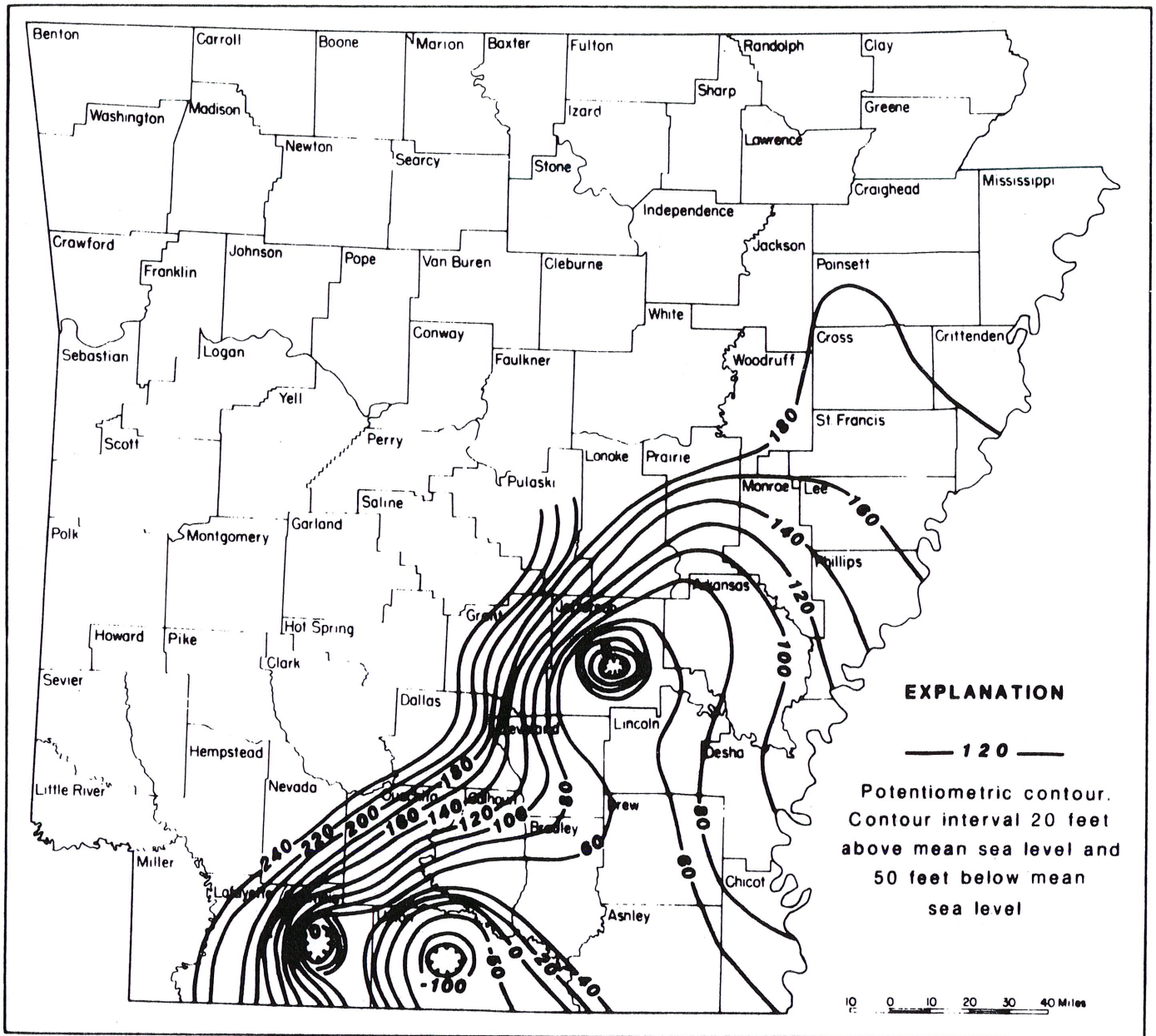


Figure 2.—Potentiometric levels in the Sparta Sand, Spring 1980.

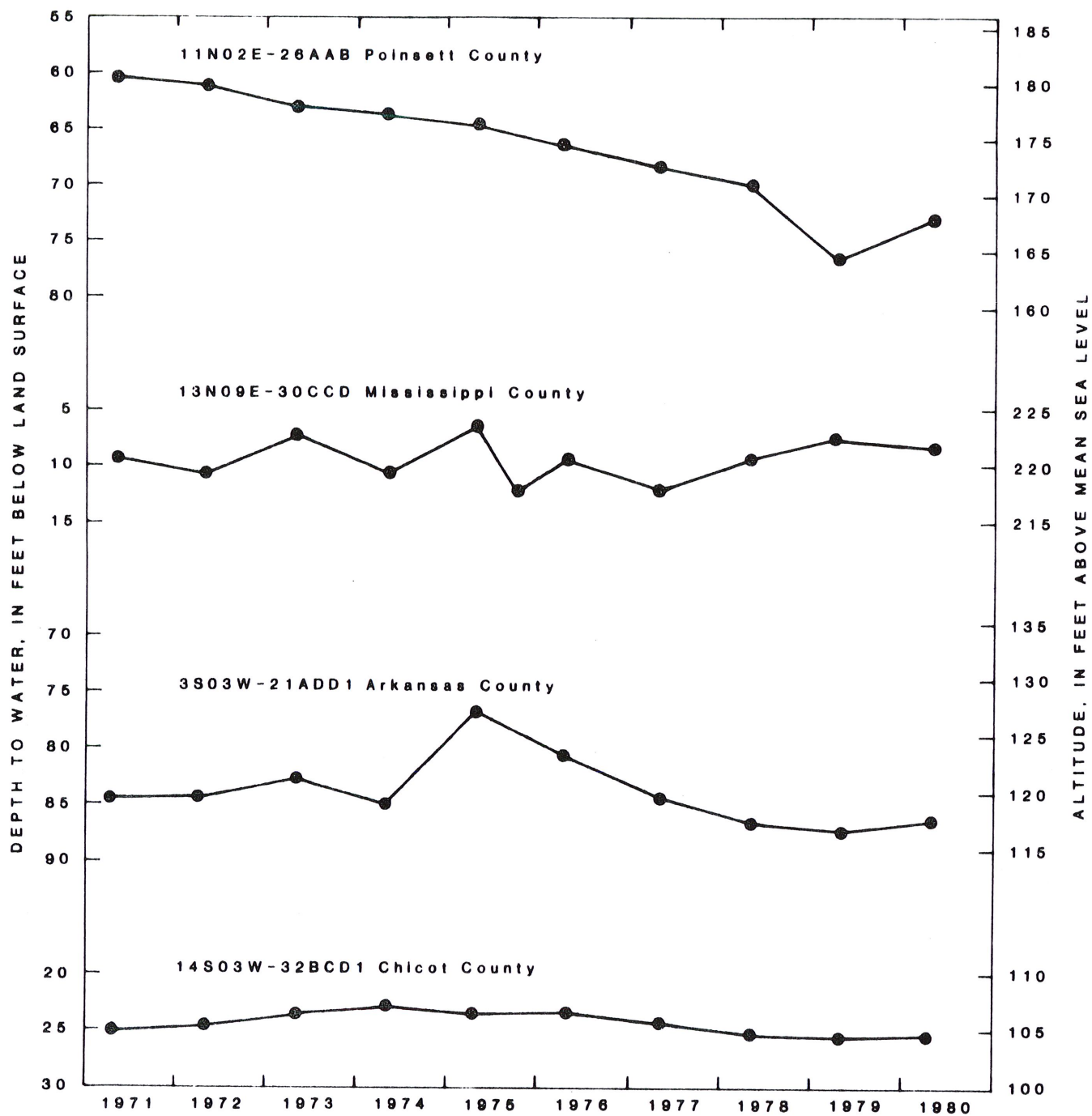


Figure 3.-Water-level hydrographs for selected wells tapping the Quaternary alluvium.

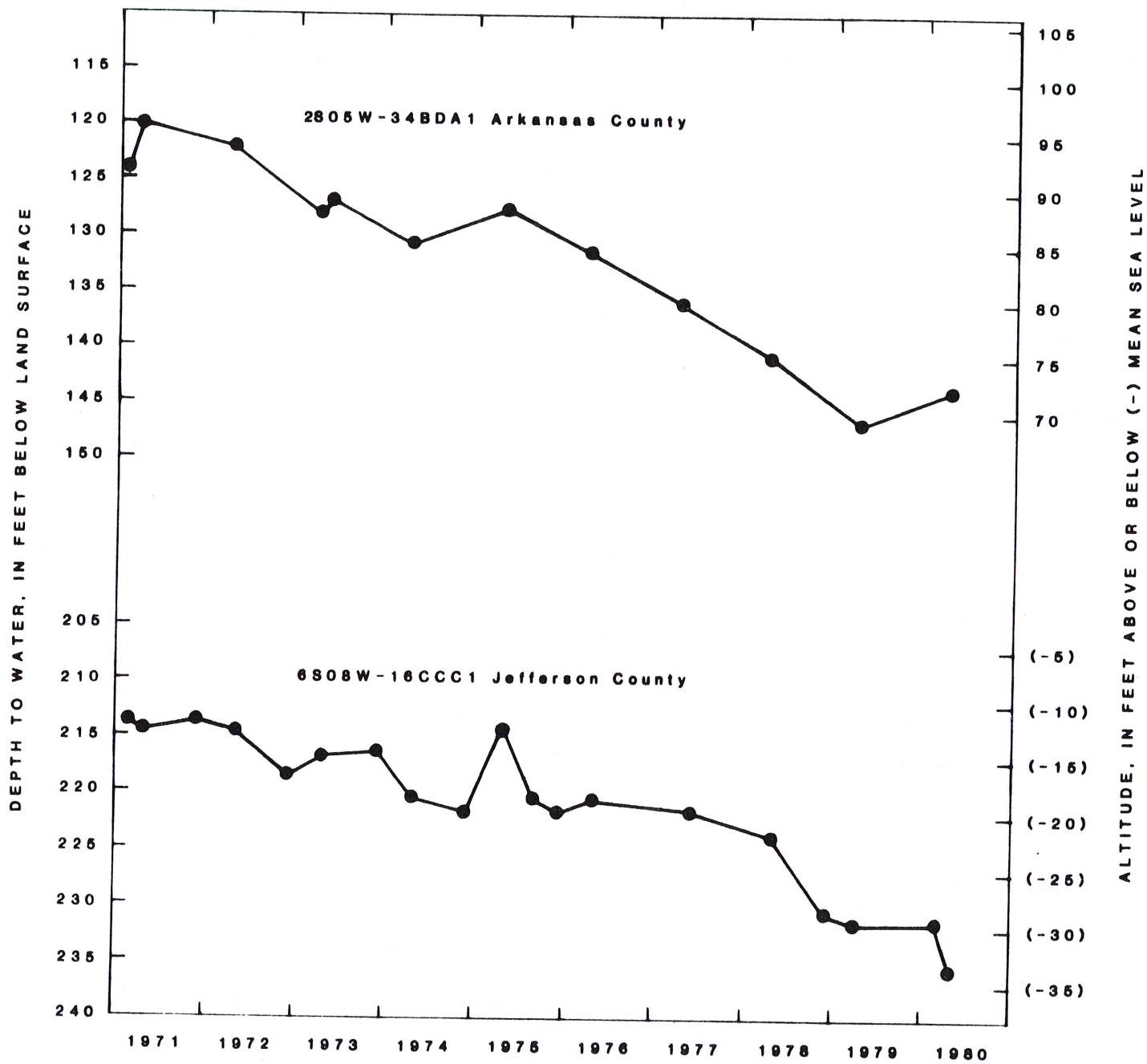


Figure 4, sheet 1 of 2.-Water-level hydrographs for selected wells tapping the Sparta Sand.

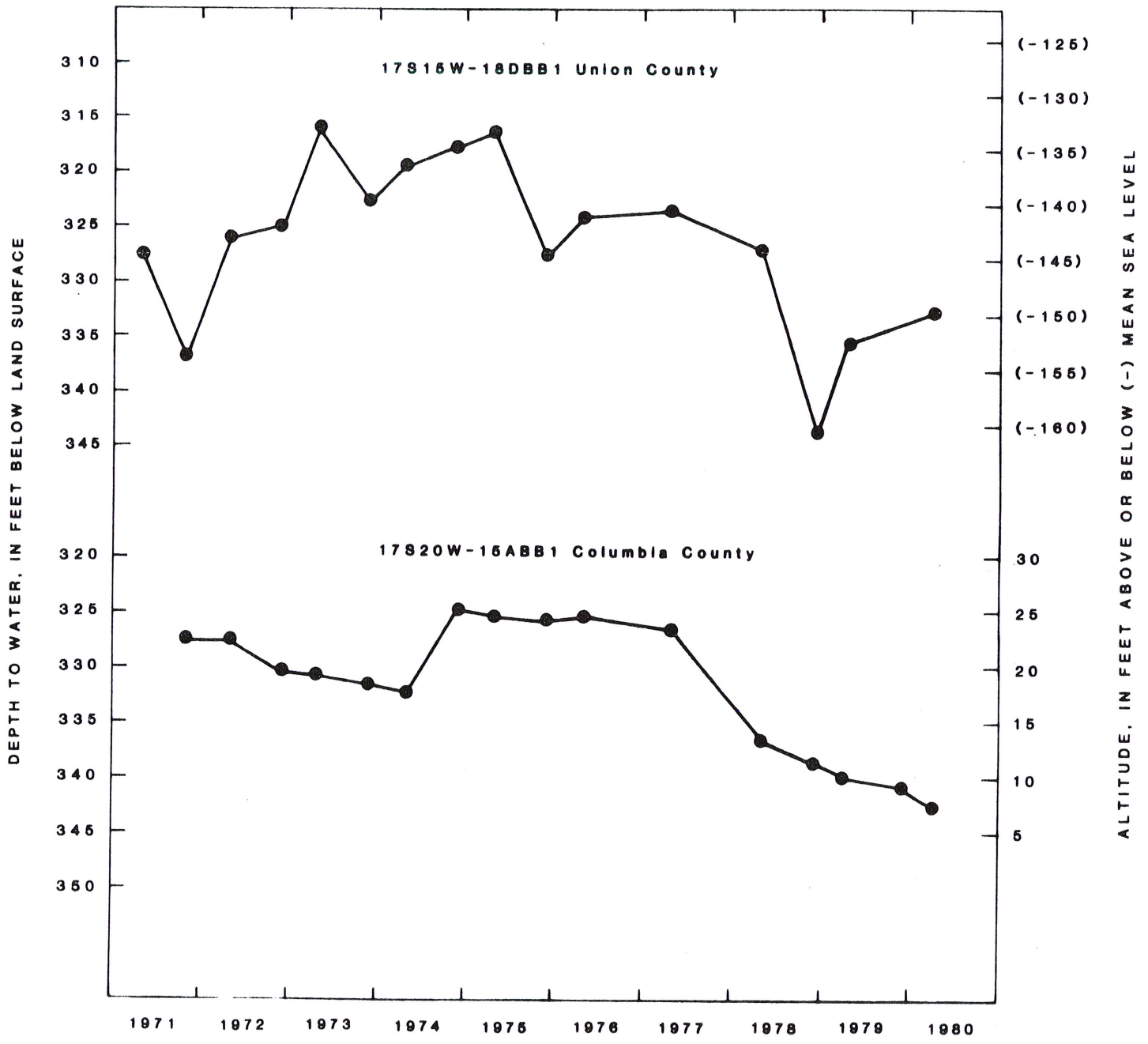
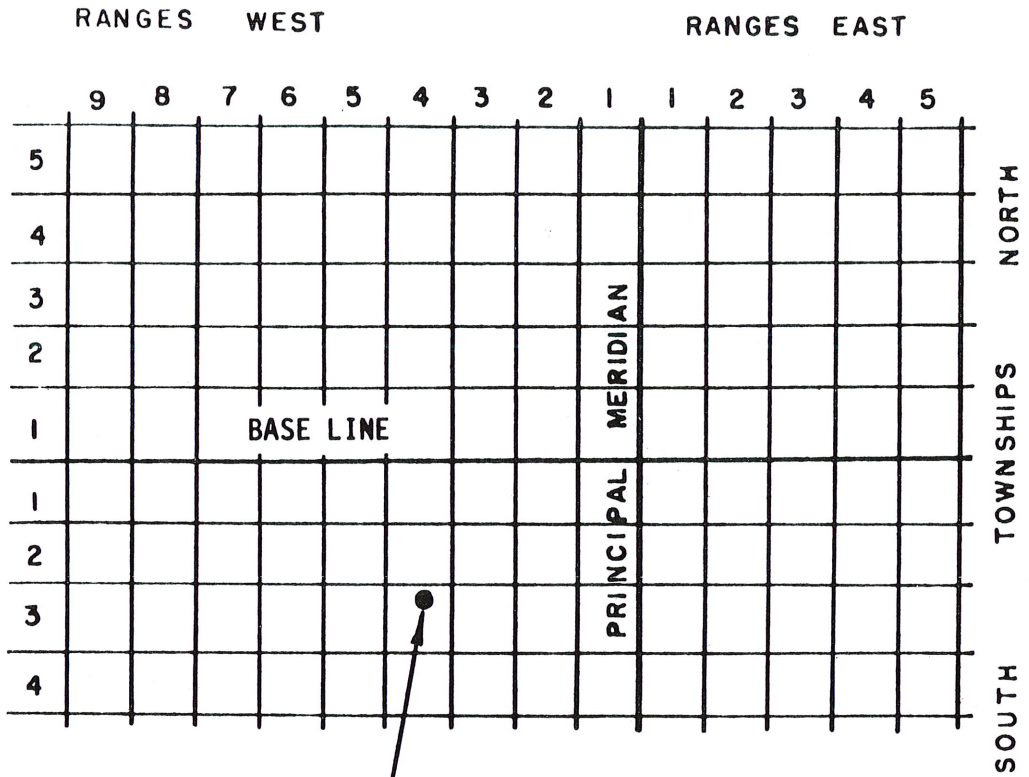


Figure 4, sheet 2 of 2.-Water-level hydrographs for selected wells tapping the Sparta Sand.



Well 03S04W03DCA16

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

B	A	B	B	A
B			A	D
C	D	C	D	
		3		
B	A	B	A	
C	D	C	D	

EXAMPLE.--Well 03S04W03DCA16 is the 16th well scheduled in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 03, T.03 S., R.04 W.

Figure 5.--Well-numbering system

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
ARKANSAS COUNTY						
02S03W09DCD1	211	3-25	69.60	141	+1.44	1977-80.
02S04W11DBB1	213	3-25	92.47	121	+.70	
02S05W04BBB1	221	3-25	114.99	106	+1.94	
03S02W18DCC1	203	3-25	69.21	134	-.89	
03S02W27ABB1	197	3-25	58.05	139	-.86	
03S03W01DBB1	205	3-25	66.92	138	-.28	USGS recorder.
03S03W21ADD1	204	3-27	86.16	118	-5.59	
03S04W03DCA16	205	3-27	96.62	108	-1.05	
03S05W03BBB1	216	3-26	103.97	112	-.29	
03S06W29BAB1	196	3-26	34.45	162	-.57	
03S06W35ADD1	190	3-26	39.56	150	+7.24	White River Refuge.
04S01W04ACC1	199	3-25	46.09	153	+2.81	
04S01W30AAA1	188	3-25	50.89	137	-.84	
04S02W11AAA1	195	3-25	59.89	135	+.09	
04S02W29CCC1	191	3-25	76.15	115	+1.42	
04S03W17ADD1	200	3-27	96.51	103	-1.03	1979-80.
04S03W32BCB1	192	3-27	95.07	97	-1.17	
04S04W02ABB1	200	3-27	102.55	97	-1.50	
04S05W16CDC1	201	3-26	71.40	130	-.50	
04S05W24DAA1	198	3-26	92.49	106	+.79	
04S06W15DBB1	190	3-26	25.45	165	-.37	No measurement.
05S01W16BAB1	183	3-25	40.45	143	+5.15	
05S01W18BCC1	187	----	-----	---	----	
05S02W16ABD1	190	3-27	72.99	117	-2.05	
05S03W30DDA1	193	3-28	90.28	103	+.51	
05S04W07CCC1	193	3-26	77.25	117	+.82	
05S04W32BBA1	191	3-28	61.06	130	+6.82	
05S05W15ADD1	193	3-26	49.49	144	+1.46	
05S06W02DDD1	182	4- 1	16.93	166	+.62	
05S06W07DDC1	180	3-25	7.42	173	+1.21	
06S02W06BBA1	189	3-27	76.30	113	-1.05	
06S02W23DCD1	188	3-28	55.20	133	-.11	
06S03W10BBA1	184	3-27	77.76	106	+.14	
06S03W27AAA1	183	4- 1	62.12	122	-.84	
06S04W18CBB1	190	3-28	35.96	154	+.98	

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
ARKANSAS COUNTY--Continued						
07S02W04BBB1	176	3-28	43.30	133	-0.25	
07S02W17BBA1	183	3-28	45.44	138	-.68	
07S03W18CCD1	186	3-28	38.49	148	+2.32	
07S04W01DDD1	186	3-28	44.74	141	+.61	
08S02W08ACA1	179	3-28	36.64	142	+.45	
08S03W05ABB1	178	3-28	19.44	159	+.56	
ASHLEY COUNTY						
16S06W27BAB1	182	3-21	75.62	106	-1.66	
17S04W03ABB1	124	3-21	14.63	109	-3.24	
17S04W21ABA1	117	3-21	13.32	104	-6.13	
17S06W01ADD1	182	5-27	78.59	103	-.13	
17S06W35CAC1	179	3-21	75.47	104	-.36	
17S07W05CDD1	185	3-21	83.68	101	-2.62	
18S08W01DBA1	183	3-21	84.50	98	-1.02	
18S08W28DDD2	163	3-21	88.21	75	+.62	USGS recorder.
19S04W06BAB2	110	3-21	12.12	98	-5.61	
CHICOT COUNTY						
13S03W34CBD1	131	3-19	12.14	119	+1.42	
14S03W12AAC1	136	3-20	24.35	112	-.52	
14S03W32BCD1	130	3-19	25.10	105	-1.90	
15S03W24AAA1	115	3-19	17.78	97	+4.50	
17S02W10AAA1	114	3-20	16.20	98	-.93	
18S01W19DAB1	110	3-20	11.23	99	-1.30	
19S01W15BBC1	114	3-20	15.75	98	+5.04	1977-80.
19S01W21AAA1	110	3-20	13.59	96	-2.70	
19S03W18BBA1	102	3-20	15.07	87	-4.54	

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
CLAY COUNTY						
18N08E03DAB1	262	3-28	7.14	255	-0.05	
19N04E19AAAL	282	3-28	19.25	263	-1.90	
19N08E01BBAL	270	3-28	5.32	265	+ .43	
20N05E34DBAL	285	3-28	12.00	273	-3.92	
21N05E17ABBL	300	3-28	14.28	286	-1.84	
21N06E31BBAL	289	3-28	4.25	285	-1.01	
21N08E36ABBL	283	3-28	+ .07	283	+1.27	Flowing.
CRAIGHEAD COUNTY						
13N02E35DAA1	250	4-15	72.13	178	-5.00	USGS recorder.
13N03E09BAA1	267	3-25	74.06	193	-4.96	
13N05E21BDD1	226	3-25	9.63	216	+ .47	Bay public supply.
13N07E20BBAL	223	3-26	2.06	221	+ .88	USCE.
14N02E18BDD1	242	3-25	26.22	216	-3.62	
14N04E22CBD1	256	3-25	38.85	217	-8.58	Jonesboro public supply.
14N04E28DBD1	254	3-25	40.23	214	-6.57	Do.
14N05E24DCC1	238	3-25	14.03	224	-1.38	
14N06E20CCD1	226	3-25	4.10	222	-2.00	
14N07E26DAB1	227	3-25	4.96	222	+ .32	
15N03E19ADA1	262	3-24	25.13	237	-3.38	
15N07E21DAA1	236	3-25	8.38	228	- .33	
CRITTENDEN COUNTY						
05N07E28CBA1	201	3-27	12.42	189	+1.70	
06N07E13BAA1	205	3-27	9.40	196	+ .89	
07N07E31CCC1	207	3-27	16.54	190	+ .54	
08N07E14DAA1	215	3-27	17.03	198	+ .60	
09N06E11DAD1	217	3-27	25.99	191	- .37	

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
CROSS COUNTY						
06N04E01BBB1	205	3-26	29.35	176	-0.47	
07N01E05CDA1	217	3-25	48.81	168	-3.60	
07N03E05ADA1	254	3-25	87.87	166	-4.54	
07N04E07ABC1	222	3-26	42.50	179	-2.12	
07N05E01BCB1	212	3-26	29.70	182	-1.15	
08N03E09DAD1	258	3-25	90.20	168	-5.51	
09N01E33BBA1	225	3-25	52.94	172	-3.32	
09N01E36BAB1	226	3-25	60.94	165	-8.23	
09N03E17DDC1	248	3-25	83.11	165	-8.44	
09N05E32BDB1	210	3-26	22.20	188	(a)	
DESHA COUNTY						
09S02W26DDC1	149	3-19	9.88	139	-2.40	USGS recorder.
09S03W17DCB1	155	3-18	13.00	142	-4.10	
09S04W06BBC1	162	3-18	10.11	152	-1.20	
10S03W26DAC1	155	3-18	29.55	125	-3.04	
11S03W31BBA1	148	3-18	16.40	132	-2.32	
12S01W31AAB1	135	3-19	12.65	122	-.59	
12S01W33BAA1	135	3-19	10.70	124	+2.69	
DREW COUNTY						
11S05W08CCC1	185	3-19	32.20	153	+3.83	
12S04W27CCC1	148	3-19	17.51	130	-1.30	
12S06W15ADC2	199	3-19	53.52	145	-.89	
13S04W33ABA1	140	5-21	8.75	131	+3.63	
14S05W20BAA1	173	3-18	36.71	136	+.57	
GREENE COUNTY						
16N06E02CAB1	256	3-27	19.62	236	-5.34	1979-80.
16N06E03CCC1	258	3-27	28.68	229	-1.88	

a No change.

Table 1.--Measurements of water levels in wells tapping deposits of
Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
GREENE COUNTY--Continued						
16N06E28ABB1	251	3-27	15.38	236	-0.42	
17N04E30CDC1	265	3-27	15.39	250	-4.98	
18N07E20BB1	257	3-27	6.25	251	-1.01	
INDEPENDENCE COUNTY						
12N04W34CBB1	231	3-26	22.25	209	+0.86	
14N03W14DBB1	230	4- 3	3.10	227	-2.40	1977-80.
JACKSON COUNTY						
09N01W22ADD1	215	3-24	38.48	177	-5.12	
09N02W32CBB1	220	3-24	21.11	199	+ .25	
10N02W27BBB1	224	3-24	15.16	205	-1.33	
11N03W30CBA1	223	3-26	17.60	205	- .84	
12N02W25ABB2	232	3-24	14.98	217	-2.24	
12N03W35CAC1	221	3-24	14.72	206	-2.23	
13N01W20AAA1	242	3-24	15.93	226	- .94	
14N01W10ABB1	251	3-24	19.78	231	-7.34	
JEFFERSON COUNTY						
03S07W16AAA1	190	3-24	31.57	158	-4.33	
03S08W19CBA1	214	3-24	26.74	187	-1.70	
03S08W24BBC1	202	3-24	31.65	170	-3.55	
03S09W06DDA1	225	3-24	30.39	195	-1.06	
03S09W31DDA1	218	3-25	21.55	196	- .20	
04S07W17CCB1	200	3-24	32.54	170	-1.19	
04S09W16BCC1	216	3-25	24.08	191	-3.98	
05S06W31CAA1	189	3-25	14.55	174	-2.69	
05S07W19BCC1	199	3-25	18.39	181	-1.76	
06S05W15BCA1	177	3-25	11.74	165	+ .43	

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
JEFFERSON COUNTY--Continued						
06S06W23AAD1	189	3-25	16.25	173	-1.32	
06S08W24DCC1	200	3-21	16.05	184	-1.86	
07S08W06BAA1	202	3-20	10.00	192	+1.53	
LAFAYETTE COUNTY						
16S25W25CAC1	224	3-17	15.62	208	-3.02	
19S25W06ABD1	216	3-18	14.29	202	-5.15	
LAWRENCE COUNTY						
15N01W11DDD1	256	----	-----	---	-----	No measurement.
16N01E03DDB1	264	3-24	33.59	240	-12.76	
LEE COUNTY						
01N03E02BBC1	236	3-19	35.00	201	+1.94	UofA Experiment Station.
01N03E35BBA1	202	3-19	2.11	200	+1.47	
02N01E23BAA2	202	3-17	32.44	170	-3.48	
02N03E14CCC3	232	3-19	50.62	181	-1.08	Marianna public supply 3.
02N04E16ADC1	195	3-20	18.56	176	-1.28	
03N02E29DAD1	205	3-17	21.99	183	+0.35	
03N04E34CDD1	195	3-20	17.47	178	+2.13	
LINCOLN COUNTY						
07S06W28CBB1	180	3-19	25.52	154	-3.20	
07S07W29DDD1	187	3-18	19.42	168	-7.30	
08S06W02ACB1	181	3-19	26.49	155	-3.16	
08S06W21BBC1	180	3-19	26.54	153	-3.91	
08S07W09BBD1	190	3-18	22.42	168	-3.94	
10S05W06DCC1	175	3-18	27.85	147	-7.80	

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
LITTLE RIVER COUNTY					
13S29W05ABD1	330	3-28 24.98	305	+23.18	
LONOKE COUNTY					
01N07W29BBB1	225	3-24 90.10	135	-5.62	
01N08W09CCB1	235	3-24 90.65	144	-4.26	
01N09W27CCA1	229	3-24 48.27	181	-4.50	
02N07W22DDD1	223	3-24 96.06	127	+ .73	1978-80.
02N08W04BBB1	243	3-24 80.80	162	+6.64	
02N08W30CAB1	245				
02N09W02BCB1	255	4- 4 91.89	163	-6.89	
02N09W17CCB1	253	4- 7 60.85	184	-6.10	Remington Arms.
02N09W32ABB1	236	3-24 47.77	188	-2.37	
02N10W23BCA1	242	3-24 30.22	212	-3.62	
03N07W15CAD1	227	3-24 61.70	165	+2.76	1978-80.
03N07W31CDD2	243	3-24 98.20	145	-3.98	
03N07W35CDC1	233	3-24 96.40	137	- .88	
03N08W21CDC1	249	3-24 84.90	164	-4.73	
03N09W31CBC2	257	3-25 61.29	196	+1.16	
03N10W34ABB1	257	3-25 71.00	186	-6.41	
04N08W15BCB2	225	3-24 19.70	205	-1.42	
01S07W14ADA1	209	3-24 68.25	141	-3.12	
01S08W07ABC1	225	-----	----	----	No measurement.
01S08W22CBB1	212	3-24 47.39	165	-3.63	
01S10W01ACB1	236	3-25 30.50	206	-3.10	
02S07W10CCB1	201	3-24 39.06	162	-3.86	
02S08W13BBB1	200	3-24 31.70	168	+1.29	
02S09W12CC1	221	3-25 38.30	183	-2.56	
MILLER COUNTY					
15S26W34AAA1	230	3-17 6.52	223	-0.35	

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks	
		Date	Feet				
MISSISSIPPI COUNTY							
11N09E34BBB1	235	3-26	10.85	224	-0.58	Crain Co.	
12N08E08BCB1	225	3-26	5.80	219	+0.28		
12N09E34CDC1	230	3-26	10.27	220	+0.26		
12N10E11ADA1	239	3-26	7.18	232	+0.65		
13N09E30CCD1	230	3-26	8.26	222	+1.04		
14N08E12DAB1	235	3-26	4.59	230	+0.32	Leachville public supply 2.	
14N10E18ABC1	236	3-27	10.38	226	+0.27		
14N11E03BCB1	247	3-27	4.40	243	-0.12		
14N12E05DCB1	250	3-27	8.47	242	+1.01		
15N08E08DBC2	236	3-27	8.55	227	-0.90		
16N09E21BCC1	244	3-27	6.85	237	-1.20		
16N11E23AAD1	255	3-27	11.77	243	+0.26		
MONROE COUNTY							
01N01W21CDC1	181	3-18	18.41	163	-2.22		Brinkley test hole 1.
01N03W24BBB1	185	3-17	21.09	164	-0.48		
01N04W33BBB2	218	3-25	87.30	131	-1.06		
02N02W20BBC1	188	3-17	29.55	158	-2.41		
03N01W20ABA1	189	3-18	31.59	157	-3.82		
03N02W32BBC1	191	3-17	27.61	163	-1.32		
04N02W30BBB1	185	3-18	13.54	172	-1.67		
04N03W36BAC1	180	3-18	10.21	170	-0.62		
01S01W13CDD1	178	3-17	5.08	173	+1.03		
01S02W11BCC1	180	3-17	9.73	170	+0.91		
01S04W01BAB1	210	5-22	69.25	141	-0.01		
02S02W01BCA1	171	3-18	8.72	162	+1.60		
03S01W03DAB1	166	3-18	9.84	156	+0.54		
PHILLIPS COUNTY							
02S01E28CCB1	174	3-18	10.01	164	-0.10	USGS recorder.	
02S03E15ACD1	174	3-20	7.30	167	+2.86		
03S04E20CAB1	175	3-19	11.47	164	-0.56		

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
PHILLIPS COUNTY--Continued						
04S02E06BAAL	157	3-19	9.71	147	+0.75	
05S02E18BDAL	156	3-19	10.93	145	+4.74	
06S01E28AAAL	151	3-19	11.17	140	-5.04	
POINSETT COUNTY						
10N03E14DAA1	270	3-27	103.25	167	-9.17	
10N01E27BAB1	233	3-28	60.60	172	-5.07	
10N05E10BCD1	207	3-26	7.76	199	-.13	
10N05E15BDD1	207	3-26	12.54	194	-1.55	
10N06E11AAA1	212	3-26	11.55	200	-.68	Ark. Hwy. and Trans. Dept.
10N07E22AAC1	215	3-26	18.60	196	-1.81	
11N01E21CBC1	230	3-28	50.13	180	-7.51	
11N02E05BDAL	245	3-28	72.78	172	-5.88	Weiner public supply.
11N02E26AAB1	241	3-28	73.15	168	-6.83	
11N03E22DDD1	245	3-27	71.85	173	-2.59	
11N07E07BBC1	217	3-26	8.70	208	-.97	
11N07E22ADD1	218	3-26	17.90	200	-4.64	
12N01E18AAB1	241	3-28	30.90	210	-4.88	
12N04E18CCC1	245	3-27	64.80	180	-1.78	
12N05E34ABA1	215	3-26	4.83	210	-.63	
PRAIRIE COUNTY						
01N05W16AAA1	218	3-25	100.30	118	-2.24	
01N05W20DCC1	212	3-25	95.63	116	-1.16	
01N06W18CDD1	223	3-26	97.50	125	-.80	
01N06W26DDC1	216	----	-----	---	----	No measurement.
01N06W28DCC1	224	3-26	97.05	127	-2.98	
02N04W02BCB1	188	3-20	17.44	171	+1.98	Biscoe public supply.
02N04W32CCB1	221	3-25	76.80	144	-.47	
02N05W05BBB1	221	3-26	77.20	144	-4.10	
02N05W13AAB1	223	5-22	72.98	150	-5.41	
02N05W29DDB1	228	3-25	103.30	125	-.17	

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
PRAIRIE COUNTY--Continued						
02N06W22BCD1	236	3-26	110.35	126	-2.62	
03N04W03AAC1	187	3-21	20.41	167	-.35	
03N05W03DBB1	207	3-26	49.50	157	-1.04	
03N06W01BCB1	216	3-26	66.50	149	-3.11	
04N04W07ADC1	195	3-21	21.31	174	-.02	
04N05W07CDC1	212	3-26	58.50	153	-4.29	
04N05W21DDD1	205	3-26	50.10	155	-1.28	
04N06W21BCC1	220	3-26	59.05	161	-4.15	
04N07W01CCC1	212	5-22	43.80	168	-2.91	
05N05W14DCA1	205	3-26	30.80	174	-1.13	
01S05W14BBC1	211	3-25	100.70	110	-.01	
01S06W13DCD1	224	5-22	107.72	116	-4.74	1977-80.
02S06W14BAB2	201	3-25	63.50	137	-1.21	
PULASKI COUNTY						
01N10W17BAC1	246	4- 2	11.14	235	+0.01	
02N10W05BCC1	239	4- 2	24.60	214	+3.36	Jacksonville public supply 10.
01S10W07BDC1	240	5-22	8.13	232	+.66	
02S10W16CCA1	231	4- 2	15.90	215	-.53	
RANDOLPH COUNTY						
18N01E34AAC1	266	3-28	12.34	254	-1.00	
19N02E09DCA1	267	3-28	8.06	259	+2.43	
ST. FRANCIS COUNTY						
04N01E13DDA1	208	3-18	44.09	164	-2.95	
04N02E03DDD3	210	3-21	29.28	181	-.91	Arkansas Power & Light Co.
04N03E21DAD1	236	3-21	42.43	194	+2.81	
04N05E22BBB1	200	3-21	25.93	174	+.36	
04N01W34DBA1	209	3-18	53.95	155	-2.39	

Table 1.--Measurements of water levels in wells tapping deposits of Quaternary age, 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
ST. FRANCIS COUNTY--Continued					
05N04E08DDD1	203	3-21 27.70	175	-1.70	
05N06E34CAB1	200	3-21 21.84	178	-2.49	
06N01E33ACA1	211	3-21 42.62	168	-3.20	
06N02E24AAA1	232	3-21 52.45	180	-3.49	
06N05E22ACC1	200	3-21 22.87	177	-.97	
WHITE COUNTY					
05N07W09AAA1	205	3-26 6.50	198	+2.83	
05N07W10CCC1	203	3-26 11.80	191	+.80	
05N08W23DCB1	211	3-27 9.00	202	-.15	
06N06W34BAA1	216	5-22 39.30	177	-5.25	
06N07W17DCC1	217	3-26 8.20	209	-.51	1978-80.
07N05W29CAB1	215	5-23 21.57	193	+5.25	
07N06W19CAB1	224	5-22 2.40	222	+.65	
08N05W01ABA1	218	3-26 12.20	206	-1.03	
WOODRUFF COUNTY					
05N01W16BCC1	211	3-25 48.64	162	-2.60	
05N02W20DCB1	192	3-25 9.90	182	+.52	
05N04W12DBA1	186	3-25 3.12	183	+2.20	
06N01W06BAB1	202	3-25 17.18	185	-2.54	
06N01W33ADB1	216	3-25 49.24	167	-5.30	
07N02W17CBD1	196	3-25 6.58	189	-1.59	
08N03W31AAD1	212	3-25 17.50	194	-.09	

Table 2.--Measurements of water levels in wells tapping the Cockfield Formation, 1980

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
ARKANSAS COUNTY						
08S02W04ACA1	165	3-28	65.97	99	-5.17	
ASHLEY COUNTY						
15S04W26CBC1	128	3-21	30.15	98	-3.80	Town of Boydell.
15S07W32CBA2	188	3-21	84.76	103	-3.12	Fountain Hill public supply.
17S04W10BCD2	125	3-21	23.68	101	-5.44	Portland public supply 2.
17S06W07ADA1	174	3-21	66.95	107	-1.61	Hamburg Industrial Park.
18S04W19DAA1	116	3-20	18.30	98	-3.94	Parkdale public supply.
18S08W04BBC1	149	3-21	80.52	68	-4.71	N. Crossett public supply 2.
19S05W12CAC1	115	3-20	23.85	91	-6.31	Wilmot public supply.
BRADLEY COUNTY						
14S09W04AAC1	162	3-18	62.09	100	-8.86	
14S10W31DBA1	193	3-20	82.37	111	-3.88	Hermitage public supply.
15S12W11CAB1	155	3-18	17.80	137	+1.62	
16S10W11DCB1	152	3-18	48.38	104	-1.52	Vick School.
16S11W11ACA1	141	3-18	25.75	115	+0.77	
CALHOUN COUNTY						
14S13W01AAA1	212	3-19	7.42	205	+0.36	
CHICOT COUNTY						
14S03W05BBA1	139	3-19	62.20	77	-4.73	Dermott public supply.
15S03W21LABA1	122	3-19	25.00	97	-.75	
16S02W02BDC2	120	3-20	25.29	95	-2.04	Lake Village public supply 2.
18S02W25ABB3	135	3-20	39.10	96	-1.39	Eudora public supply 3.
18S03W14CCC1	98	3-20	9.38	89	-.04	

Table 2.--Measurements of water levels in wells tapping the Cockfield Formation,
1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
CLEVELAND COUNTY						
08S11W02BCB1	245	3-20	125.65	119	+9.75	Highway rest area.
10S12W12BDD1	220	3-20	100.95	119	-4.43	Kingsland public supply.
DREW COUNTY						
12S08W34BBB1	158	3-18	77.95	80	-5.88	
13S05W35ABB1	170	5-21	76.23	94	-5.39	
14S07W26BAB1	230	3-18	112.16	118	-7.15	
LINCOLN COUNTY						
10S05W06CAC1	170	3-19	97.79	72	-7.94	
UNION COUNTY						
17S15W36BAA1	260	3-21	40.54	219	+0.36	Cities Service Co.

Table 3.--Measurements of water levels in wells tapping the Cook Mountain Formation, 1980

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
UNION COUNTY						
17S13W17DDC1	225	3-21	40.00	185	+2.07	
17S14W10DCB1	180	3-21	90.21	90	-.92	
17S14W15ABA1	180	3-21	90.77	89	-.09	
19S15W01CCA1	182	3-20	64.49	118	-1.76	

Table 4.--Measurements of water levels in wells tapping the Sparta Sand or Memphis aquifer ("500-foot" sand), 1980

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
ARKANSAS COUNTY						
02S04W06CDB1	212	3-25	123.65	88	-10.57	
02S04W23DAA1	208	3-25	112.21	96	-7.96	
02S04W33BBB1	205	----	-----	--	-----	No measurement made.
02S05W34BDA1	216	3-27	143.82	72	-12.21	USGS recorder.
03S04W02CCB1	202	3-27	117.41	85	-10.03	
03S04W26CDA1	203	3-27	119.45	84	-13.20	Almyra public supply.
03S04W33BAA1	201	3-27	121.33	80	-7.61	
03S05W02AAB1	210	3-27	138.39	72	-12.16	
03S05W13BDC1	210	3-26	134.95	75	-10.66	
03S05W15CBB1	206	3-26	133.87	72	-11.49	
03S05W18CAB1	196	3-26	126.83	69	-10.49	
03S06W21ACC1	195	3-26	122.54	72	-10.56	
03S06W30BBB1	191	3-26	119.97	71	-9.05	Humphrey public supply.
04S01W04ACC2	199	3-25	85.60	113	-1.34	
04S04W11BCC1	198	3-27	120.35	78	-10.07	
04S04W19CBB1	195	3-26	122.53	72	-11.04	
04S04W22DAA1	195	3-27	119.81	75	-8.63	
04S05W01BAA1	196	3-26	126.15	70	-10.60	
04S05W36DCC1	196	3-26	124.73	71	-10.53	
05S03W04ADB1	187	3-27	107.13	80	-9.61	DeWitt public supply.
05S04W26ACA1	188	3-28	106.49	82	-8.93	
05S05W36DAA1	180	3-28	108.98	71	-8.98	
06S02W06ABB1	181	3-27	90.22	91	-7.53	
06S02W22CDB1	186	3-28	86.46	100	-5.94	
07S02W28ABA1	181	3-28	81.65	99	-3.40	1979-80.
07S03W06ABC1	185	3-28	100.90	84	-8.00	Gillett public supply.
08S02W01CBA1	165	3-28	62.77	102	-9.03	Lock and Dam 1.
08S02W04BCB1	178	----	-----	---	-----	No measurement.
08S03W04DBD1	176	3-28	87.14	89	-7.57	Ark. Post Natl. Memorial.
08S03W-Tr 2299	175	3-28	87.17	88	-7.53	Moore's Bayou rec. area.
08S03W-Tr 2404	168	3-28	74.06	94	-6.49	Notrebes Bend rec. area.

Table 4.--Measurements of water levels in wells tapping the Sparta Sand or Memphis aquifer ("500-foot" sand), 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
BRADLEY COUNTY						
13S09W06ACA1	208	3-18	140.18	68	-1.19	Warren public supply.
13S11W17BCD1	250	3-19	174.52	75	-4.54	Banks public supply.
16S12W21CAA1	100	3-18	56.63	43	-7.40	
CALHOUN COUNTY						
12S12W32DAA1	176	5-27	82	94	+3.00	Tinsman public supply, 1978-80.
13S13W32CDA1	208	3-19	159.90	48	-7.65	Hampton public supply.
14S13W12CCB1	205	3-19	152.20	53	-2.50	Harrell public supply.
CLEVELAND COUNTY						
09S11W01DCA1	230	3-20	164.87	65	-16.98	Rison public supply.
09S11W01DDA2	266	3-20	196.39	70	-14.60	Do.
10S09W23CDC1	220	3-20	144.39	76	-10.57	Highway 15 water user.
COLUMBIA COUNTY						
16S20W18ACD1	337	3-19	254.95	82	-9.84	McNeil public supply 2.
16S21W14CBB1	281	3-19	203.49	78	-15.36	Waldo public supply.
16S21W15CBC1	288	3-19	200.57	87	-22.54	Do.
16S21W35CCD1	275	3-19	293.29	-18	-17.76	Magnolia public supply 9.
17S19W15ABD1	325	3-20	278.34	47	-7.45	Village Corp.
17S19W30ABB1	248	3-19	202.19	46	-2.40	1978-80.
17S20W15ABB1	350	3-19	342.63	7	-17.20	Carter Oil Co.
17S20W17CDA1	325	3-19	356.46	-31	-25.33	Magnolia public supply 8.
17S21W01BBC1	305	3-19	304.37	-1	-17.96	Southern Ark. Univ. 3.
17S21W11DCC2	303	3-19	332.18	-29	-14.24	Magnolia public supply 2.
18S19W17ACC1	288	3-20	239.05	49	-3.72	Hiwan Oil & Gas Co.
18S20W06DDC1	300	3-19	293.77	6	-9.98	Magnolia Country Club.
18S20W18ABD1	276	3-19	301.26	-25	-.63	Bromet Co.
18S21W09AAA1	310	3-19	294.61	15	-7.07	Arkla Gas Co.
18S22W08ACB1	250	3-19	46.90	203	-.82	

Table 4.--Measurements of water levels in wells tapping the Sparta Sand or Memphis aquifer ("500-foot" sand), 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
COLUMBIA COUNTY--Continued						
19S20W08DAD1	320	3-19	247.60	72	+11.91	Emerson public supply 1.
19S20W09CAC1	332	3-19	258.79	73	-3.41	Emerson public supply 2.
19S21W16DBB1	284	3-19	172.59	111	+9.14	
19S23W11CDA1	248	3-19	51.60	196	-.73	Taylor public supply.
CROSS COUNTY						
06N04E06ACA1	358	3-26	180.10	178	-0.61	Village Creek State Park.
07N03E16CCC3	253	3-26	83.20	170	-10.01	Wynne public supply 3.
07N05E03BCD2	211	3-26	27.58	183	-1.34	Parkin public supply 2.
09N01E16CAC1	234	3-25	61.72	172	-3.16	Hickory Ridge public supply 1.
09N03E22AAD1	278	3-25	101.75	176	-6.43	Cherry Valley public supply 1.
09N04E30DCA1	429	3-25	249.10	180	-8.63	Vanndale-Birdeye.
DALLAS COUNTY						
07S14W31AAA1	330	3-18	108.45	222	+3.38	Carthage public supply.
09S13W35CCD1	200	3-18	57.34	143	-2.44	
10S13W34ACA2	272	3-18	136.79	135	-2.07	Fordyce public supply.
DESHA COUNTY						
09S02W26AAC1	153	3-19	52.95	100	-7.60	Watson public supply.
09S04W08DDA1	163	3-18	82.30	81	-11.20	Arkansas State Police.
09S04W28DDD1	165	3-18	82.43	83	-5.66	Dumas public supply.
10S02W26CCC2	148	5-20	52.52	95	-8.06	U.S. Fish and Wildlife Service.
11S02W03CCA1	139	3-18	45.10	94	-8.69	
12S03W34DAD1	147	3-19	60.24	87	-1.98	McGehee public supply 3.

Table 4.--Measurements of water levels in wells tapping the Sparta Sand or Memphis aquifer ("500-foot" sand), 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
DREW COUNTY						
11S04W25DAA1	148	3-19	62.93	85	-5.80	Tillar public supply.
11S06W11DBC1	203	3-19	125.86	77	-7.67	
12S06W32DAD1	212	3-19	159.75	52	-8.12	Former POW Camp.
13S05W36ACB1	169	3-20	79.09	90	-3.60	Collins public supply.
15S04W12DDA1	125	5-21	42.60	77	-3.90	
GRANT COUNTY						
03S14W20ADB1	320	3-19	26.18	294	+1.44	
04S14W14ADC1	310	3-19	79.45	231	-0.79	
05S13W03CDA4	281	3-19	114.28	167	-18.98	Sheridan public supply 2.
05S13W03DBC1	260	3-19	80.48	180	-4.51	Sheridan public supply 3.
05S14W06DCC1	293	3-19	83.72	209	+1.03	Prattsville public supply.
05S15W05ABD1	232	3-18	14.91	217	+0.70	Poyen public supply.
06S11W05ACA1	280	3-18	185.40	95	-19.97	Center Grove public supply.
06S15W26ACA1	280	3-19	60.00	220	+2.29	Leola public supply.
JEFFERSON COUNTY						
03S08W19BBD1	215	3-24	140.64	74	-12.96	Tucker Prison.
03S10W17DBA1	217	4- 7	89.62	127	-4.70	Tar Camp recreation area.
03S10W32DAB1	226	3-17	110.96	115	-7.94	Lock and Dam 5 recreation area.
03S11W22ABC1	310	4- 7	157.38	153	-5.65	Redfield public supply.
03S11W25ADC4	311	3-17	178.87	132	-9.10	AP&L White Bluff Pl TH 3.
04S07W17BCC1	200	3-24	145.05	55	-10.51	Wabaseka public supply.
04S08W30AAD1	212	3-25	180.37	32	-11.57	
04S10W22BDD1	244	4- 7	172.62	72	-13.24	Pine Bluff Arsenal.
04S10W29ADB1	268	4- 7	181.42	86	-8.65	Do.
04S11W14BAD1	400	4- 7	284.38	116	-6.90	Jefferson public supply.
05S08W29BDD1	195	3-25	240.64	-46	-12.50	USCE recreation area.
05S08W30ADB1	221	3-21	271.10	-50	-3.20	Lock and Dam 4.
05S08W30CBA1	207	3-21	273.13	-66	-11.22	International Paper Co. 7.
05S09W19BAA1	227	4- 7	214.67	12	-10.84	Dierks Paper Co. 2.
05S09W19BAD1	220	4- 7	238.78	-19	-7.79	Dierks Paper Co. 1.

Table 4.--Measurements of water levels in wells tapping the Sparta Sand or Memphis aquifer ("500-foot" sand), 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
JEFFERSON COUNTY--Continued						
05S09W24DBD1	208	3-21	256.54	-48	-11.69	International Paper Co. 10.
05S09W35AAB1	205	4- 7	265.19	-61	-16.51	International Paper Co. 5.
05S10W16DBD1	300	4- 7	240.79	59	-8.95	Whitehall public supply 1.
06S06W20CAA1	193	3-25	137.30	56	-11.57	Lock and Dam 3.
06S07W33DDD1	195	3-21	158.77	36	-11.19	Linwood School.
06S08W10CAC1	203	3-21	246.65	-44	-21.35	International Paper Co. 1.
06S08W16CCCL	202	3-20	235.74	-33	-15.17	International Paper Co. 3.
06S08W25ADC1	203	3-21	198.94	5	-13.75	International Paper Co. 2.
06S09W17CCA1	234	3-21	253.69	-19	-19.48	General Water Works.
07S07W24BAB1	188	3-21	136.08	52	-12.22	Tamo public supply.
07S09W35CCB1	270	4- 7	213.17	57	-2.54	Highway 15 public supply.
LAFAYETTE COUNTY						
19S25W13CAB1	255	3-18	39.26	216	+0.51	
20S23W05ADB1	242	3-18	40.62	201	+2.49	
LEE COUNTY						
02N03E14CCC4	232	3-19	62.52	169	-1.09	Marianna public supply 4.
03N03E28CDB1	207	3-20	43.48	164	-2.71	Marianna public supply 5.
03N05E19ADA1	200	3-20	24.79	175	-2.44	
LINCOLN COUNTY						
06S06W34DBA1	187	3-19	131.04	56	-10.05	Huffs Island recreation area.
07S07W30CDC1	208	3-18	149.21	59	-8.23	Tarry public supply.
08S05W03BAA2	180	3-19	108.61	71	-12.95	Cummins Prison.
08S05W35ACC1	165	3-19	88.58	76	-9.16	Gould public supply.
08S08W35DBB1	240	3-19	180.05	60	-10.45	Yorktown public supply.
09S07W07DAD1	300	3-19	233.88	66	-7.66	Star City public supply.
09S08W05CBB2	265	3-18	172.13	93	+12.50	Glendale School.
10S05W05ABC1	171	3-19	93.62	77	-7.94	

Table 4.--Measurements of water levels in wells tapping the Sparta Sand or Memphis aquifer ("500-foot" sand), 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
LONOKE COUNTY						
02S08W16BDA1	216	3-24	94.85	121	-5.48	Coy public supply.
MONROE COUNTY						
01N04W36CDA1	216	----	-----	---	----	No measurement.
03N02W12CDC1	186	3-18	22.34	164	-1.59	USGS test well.
01S02W22DBB1	181	3-18	60.25	121	-8.39	Holly Grove public supply.
OUACHITA COUNTY						
11S15W27ABD1	200	3-21	67.90	132	-2.66	
12S16W12ADB1	159	3-21	22.92	136	-.10	
12S18W19CDC1	235	3-21	44.40	191	+.51	
13S16W08CAA1	122	3-20	19.44	103	+1.45	
14S17W02ABB1	120	3-21	114.70	5	-13.32	International Paper Co. 1B.
14S17W05CAB1	157	3-20	38.20	119	-1.46	Arkansas Highway and Transportation Department.
15S16W23DAC1	170	3-20	122.10	48	+2.49	Snackover Country Club.
15S19W10DCC1	210	3-21	69.00	141	-4.87	Stephens public supply.
PHILLIPS COUNTY						
01S02E32DDC1	211	3-18	65.02	146	-4.70	Marvell public supply.
02S04E02DBA1	250	3-19	104.89	145	-2.22	West Helena public supply 9.
02S05E04CDC1	183	3-20	22.00	161	-3.08	Helena Swimming Pool.
02S05E16BCB1	180	3-20	45.82	134	+2.46	Helena Cotton Oil Co.
02S05E29CCC1	179	3-19	52.30	127	+11.66	Gardinier-Big River Inc.
03S03E30DAA1	172	3-19	30.34	142	-.61	Lakeview-Wabash public supply.
04S02E25CCC1	166	3-19	28.63	137	-4.01	Elaine public supply.

Table 4.--Measurements of water levels in wells tapping the Sparta Sand or Memphis aquifer ("500-foot" sand), 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
POINSETT COUNTY						
10N01E15DBB1	232	3-28	61.95	170	-4.78	Fisher public supply.
11N03E25ACCL	275	3-28	98.78	174	-5.64	Harrisburg public supply 3.
PRAIRIE COUNTY						
01N05W19CDC1	212	3-25	109.65	102	-7.63	
01N06W02ABB1	223	3-26	93.15	130	-4.47	
02N04W19ACB1	211	3-25	76.55	132	-9.40	
02N06W20BCB1	236	3-25	11.50	124	-4.30	
02N06W21DAD1	235	3-25	99.40	136	-3.88	
01S05W06BCB1	220	3-26	121.00	99	-9.48	
01S05W20ABB1	220	3-25	124.80	95	-7.08	
01S06W11DBD1	226	----	-----	---	-----	No measurement.
PULASKI COUNTY						
01N11W24ACD1	237	----	-----	---	-----	No measurement. Willow Beach recreation area.
01N11W35BAC1	235	3-20	10.06	225	+0.71	D. D. Terry West recreation area.
02S11W02BCA1	220	3-20	15.31	205	+6.13	Wrightsville recreation area.
02S11W29AAA1	245	3-20	31.90	213	-4.20	Hensley-Woodson public supply.
UNION COUNTY						
16S14W15CAB1	94	3-21	130.04	-36	-4.28	Calion public supply.
16S15W21BCC2	192	3-20	272.93	-81	-3.74	Norphlet public supply 2.
16S16W02ABC1	124	3-20	153.26	-29	-8.31	Smackover public supply 5.
17S12W31AAA1	230	3-21	225.39	5	+6.1	New London Water Association, 1978-80.
17S13W31BAC1	225	3-21	283	-58	-8.00	Lawson-Urbana.
17S15W16BCB2	162	3-20	315.57	-154	-8.01	Arkla Gas Co.
17S15W18DBB1	183	3-20	332.76	-150	-8.77	Monsanto detector well 8 (recorder).

Table 4.--Measurements of water levels in wells tapping the Sparta Sand or Memphis aquifer ("500-foot" sand), 1980--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
UNION COUNTY--Continued						
17S15W29CDC1	220	3-21	382.88	-163	+2.33	El Dorado public supply 13.
17S15W31DDB1	272	3-21	436.09	-164	-11.74	Lion Oil Refining 8.
17S15W34AAA1	244	3-21	386.98	-143	-24.66	
17S16W24BAC1	220	3-21	367.38	-147	-17.81	El Dorado public supply 17.
17S18W28BDD1	298	3-20	288.57	9	-4.97	Marysville Water District Assoc., 1977-80.
18S15W07BAD2	260	3-20	333.71	-74	-3.04	K. Buchanan 2.
18S15W08ABA1	200	3-20	347.28	-147	+13.07	Gay Oil Co.
18S15W33ADA1	253	3-20	362.77	-110	-14.55	Faircrest public supply, 1978-80.
18S16W11DAB1	270	3-20	414.33	-144	-4.99	1979-80.
18S17W13ACC1	220	3-20	298.42	-78	-9.70	Kin Ark Oil Co.
18S17W18BBD1	270	3-20	302.44	-32	-28.81	Shuler No. 3.
18S17W22BDD1	280	3-20	335.92	-56	-6.96	USGS recorder.
19S10W19CCB2	100	3-21	87.77	12	-4.20	Huttig public supply 1.
19S11W25AAA2	125	5-28	129.60	-5	-1.81	Huttig public supply 2.
19S16W35DDC1	175	3-20	208.41	-33	+1.11	Junction City public supply 2.
WOODRUFF COUNTY						
05N02W31DCB3	193	3-25	13.40	180	+4.87	Cotton Plant public supply.

Table 5.--Measurements of water levels in wells tapping the Cane River Formation

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
COLUMBIA COUNTY						
16S21W16BCA2	320	3-19	107.17	213	+1.06	Waldo public supply.
DALLAS COUNTY						
09S17W28ADB1	300	3-18	111.98	188	-9.06	Sparkman public supply.
LAFAYETTE COUNTY						
16S23W10DCA2	293	3-17	75.79	217	-11.45	Arkansas Power & Light Co.
19S25W13CDB2	255	3-18	119.67	135	-3.42	Bradley public supply, 1978-80.

Table 6.--Measurements of water levels in wells tapping the Carrizo Sand

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
HOT SPRING COUNTY						
06S17W34ABB1	364	3-18	99.08	265	-1.46	Texas Eastern.
JEFFERSON COUNTY						
05S08W19DCD1	205	3-21	20.83	184	-2.62	International Paper Co.

Table 7.--Measurements of water levels in wells tapping the Wilcox Group, including the "1,400-foot" sand

Well number	Altitude of land surface (ft)	Depth to water below land surface Date Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks	
CLAY COUNTY						
19N07E23DCC1	280	----	-----	---	----	Rector old public supply 1. No measurement.
CRAIGHEAD COUNTY						
13N07E14BBA2	221	3-26	16.65	204	-8.16	Caraway public supply.
14N06E27ACB2	227	3-25	19.82	207	-7.04	Lake City public supply 2.
14N07E17DCB1	232	3-25	20.37	212	-8.10	Black Oak public supply.
CRITTENDEN COUNTY						
04N07E23BCD1	200	3-27	7.65	192	+1.76	Snowden Plantation.
04N07E36ADB1	201	3-27	19.08	182	-.36	1978-80.
05N07E01ABB1	207	3-27	32.10	175	-12.26	Midway Water Association.
05N07E29ACC1	200	3-27	25.62	174	-10.53	
06N09E18BBB1	210	3-27	58.53	151	-26.68	West Memphis public supply 1.
07N07E14CCC1	223	3-27	44.53	178	-12.78	Crawfordsville public supply.
07N08E24BDB1	222	3-27	33.20	189	-.45	Marion public supply.
08N06E33CBD1	215	3-27	29.60	185	-9.17	Earle public supply.
09N08E29ADD1	220	3-27	36.30	189	-10.80	Turrell public supply.
CROSS COUNTY						
09N05E07ACB1	205	3-26	14.40	191	-6.97	Delta Farms.
GREENE COUNTY						
17N06E31DCB1	285	3-27	98.70	186	-14.83	Paragould public supply 1.

Table 7.--Measurements of water levels in wells tapping the Wilcox Group, including the "1,400-foot" sand--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
LEE COUNTY						
01N04E09DCC1	204	3-21	23.47	181	-5.73	USGS test well.
LONOKE COUNTY						
04N09W28CCD1	325	6-10	43.17	282	-4.11	E. M. Cherry well.
MISSISSIPPI COUNTY						
10N08E17ADD1	225	3-26	29.07	196	-2.99	1977-80.
11N08E10AAC1	220	3-26	14.04	206	-5.83	Dyess public supply.
11N09E33AAB1	237	3-26	38.00	199	-10.45	Bassett public supply.
11N10E20ADA1	235	3-26	32.82	202	-8.80	Wilson public supply.
12N09E11DBB1	230	3-26	23.64	206	-9.96	Keiser public supply.
12N11E17CDD1	245	3-26	41.35	204	-7.32	Anderson Clayton.
13N11E08DDD1	245	3-26	32.15	213	-8.85	Luxora public supply.
14N09E01DDA1	238	3-27	12.02	226	-.73	
14N11E20CCA1	240	3-27	23.78	216	-1.70	Burdette public supply, 1979-80.
15N08E08DBC1	236	3-27	8.80	227	-1.08	Leachville public supply.
15N09E31ACD1	240	3-27	23.55	216	-8.25	Manila public supply.
15N10E01ADD1	248	3-27	20.49	228	-6.09	Gosnell public supply.
15N11E15BDC1	255	3-27	47.57	207	-8.09	Blytheville public supply 4.
15N11E17ADB1	252	3-27	30.75	221	-7.95	
16N11E27CBA1	251	3-27	14.00	237	-5.20	Yarbro public supply.
POINSETT COUNTY						
10N07E16CBB2	218	3-26	32.70	185	-11.02	Tyrnza public supply 3.
11N06E35CDA3	215	3-26	30.75	184	-16.89	Marked Tree public supply 3.
11N07E03BDD1	216	3-26	15.12	201	-4.38	Leptanto public supply 2.
12N05E13BBB1	222	3-26	25.82	196	-10.02	Trumann public supply.
ST. FRANCIS COUNTY						
04N06E21BAD2	201	3-21	23.04	178	-10.05	Hughes public supply 2.

Table 8.--Measurements of water levels in wells tapping the Nacatoch Sand

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
CLARK COUNTY						
08S19W09ACC1	177	3-27	5.9	183	+0.10	
09S20W16DDC1	232	3-26	84.62	147	-33.06	Arkla Chemical Corp.
09S21W28CBA1	305	3-27	53.58	251	-1.82	Gurdon Highway rest area.
CLAY COUNTY						
19N07E23DBC1	290	3-28	24.78	265	-4.55	Rector public supply 1.
20N08E10ABC1	340	3-28	60.47	280	-5.12	
20N08E11BAC2	290	3-28	15.21	275	+3.32	Piggott public supply 2.
20N08E28BDC1	286	3-28	12.45	274	-10.19	Greenway public supply.
21N06E23DAC1	300	-----	-----	---	-----	No measurement. McDougal public supply.
21N09E18DBA1	295	3-28	1.00	294	-2.86	
GREENE COUNTY						
18N06E14CCD1	292	3-28	20.92	271	-4.94	Lafe Water Dist., 1978-80.
DUNKLIN COUNTY, MISSOURI						
21N09E04DDD1	305	3-28	12.75	292	-6.08	Campbell, Mo., public sup- ply.
HEMPSTEAD COUNTY						
12S24W33CBD1	340	3-27	199.06	141	+12.47	
13S25W35DDC1	373	3-28	189.45	184	-3.60	
MILLER COUNTY						
14S28W13CCB1	266	3-28	27.30	239	+1.48	

Table 8.--Measurements of water levels in wells tapping the Nacatoch Sand--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
NEVADA COUNTY						
11S22W08DAC2	306	3-27	101.79	204	+26.91	Prescott public supply 4.
12S22W03CAAL	233	3-27	19.80	213	-.87	

Table 9.--Measurements of water levels in wells tapping the Tokio Formation

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
HEMPSTEAD COUNTY						
09S23W33CDA1	270	3-27	1.90	272	+0.80	
09S26W18CBB1	424	4- 1	18.63	406	+2.64	
12S24W06CDC1	355	3-28	183.81	171	-14.90	Hope public supply 5.
12S24W06DAD1	355	3-28	189.47	166	-36.71	Hope public supply 2.
HOWARD COUNTY						
09S28W20DAC1	480	4- 1	9.74	470	+0.22	
11S28W02CDA1	309	4- 1	22.17	287	-.13	
NEVADA COUNTY						
11S22W08DAC1	305	3-27	159.69	145	-31.43	Prescott public supply 1.

Table 10.--Measurements of water levels in wells tapping the Trinity Group, or Pike Gravel

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
PIKE COUNTY						
08S25W17ABC1	360	4- 1	3.73	356	-0.14	
SEVIER COUNTY						
08S31W26BAA1	475	4- 1	6.03	469	+1.37	Trinity Group.
09S30W23BDC4	432	4- 1	79.01	353	+2.50	Lockesburg public service 4; Trinity Group.
09S30W23BDD1	440	4- 1	81.28	359	-10.42	Lockesburg public supply; Trinity Group.

Table 11.--Measurements of water levels in wells tapping the Atoka Formation, or Jackfork Sandstone

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
CLEBURNE COUNTY						
09N09W34DCC1	620	3-24	116.59	503	+5.70	1977-80; Atoka Formation.
PIKE COUNTY						
07S25W18BBB1	563	4- 1	17.84	545	-1.51	USCE; Jackfork Sandstone.

Table 12.--Measurements of water levels in wells tapping the Cotter Dolomite

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
IZARD COUNTY						
18N09W15AC1	820	3-24	108.96	711	-9.98	Oxford public supply, 1977-80.

Table 13.--Measurements of water levels in wells tapping the Everton Formation

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change; 1976-80 (ft)	Remarks
NEWTON COUNTY						
16N21W34ABC	880	3-25	63.71	817	-3.88	Jasper public supply, 1977-80.
SHARP COUNTY						
15N05W06DDD1	645	3-24	189.85	455	+24.05	1977-80.

Table 14.--Measurements of water levels in wells tapping the Roubidoux Formation

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
BENTON COUNTY						
18N33W01DDD1	1,210	3-27	200.46	1,010	-6.63	1977-80.
19N28W11BAD1	1,260	----	-----	-----	----	No measurement. USCE.
19N29W18BBB1	1,345	----	-----	-----	----	No measurement.
21N33W23ACA1	1,036	3-27	121.70	914	-3.16	Sulphur Springs public supply, 1977-80.
CARROLL COUNTY						
19N23W04BAC1	1,375	3-26	246.39	1,129	+1.28	Green Forest public supply, 1977-80.
21N26W17BCC1	1,010	3-26	96.75	913	+9.36	Holiday Island public supply 1, 1977-80.
MARION COUNTY						
19N15W20DBB1	630	3-25	98.78	531	+9.01	Flippin public supply, 1977-80.
19N16W33CCB1	840	3-25	293.60	546	+40.38	Yellville public supply, 1977-80.
NEWTON COUNTY						
15N21W13BDD1	2,135	3-25	1,323	812	-26.83	Mocking Bird Hill public supply, 1977-80.
SHARP COUNTY						
19N04W15BAAL	590	3-24	39.88	550	-3.64	Ozark Acres public supply 3, 1977-80

Table 15.--Measurements of water levels in wells tapping the Gunter Sandstone Member of the Van Buren Formation

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
BAXTER COUNTY						
19N13W16BAB1	740	3-25	93.55	646	+21.94	Mt. Home public supply, 1977-80.
BENTON COUNTY						
18N30W12CCCL	1,310	3-26	264.72	1,045	-3.70	Columbia Union Orchards, 1977-80.
18N30W13DBA1	1,390	3-26	346.67	1,043	-6.05	Columbia Union Orchards, 1977-80.
19N29W07DAB1	1,220	3-26	120.04	1,100	-8.07	Rogers public supply, 1977-80.
20N33W14DBC1	1,230	3-27	408.71	821	-38.82	Gravette public supply, 1977-80.
BOONE COUNTY						
18N19W19BCD1	1,150	3-25	196.96	953	-18.54	Bellefonte public supply, 1977-80.
18N19W33BBB1	1,300	3.25	456.83	843	+39.67	Valley Springs Rural Water District, 1977-80.
CARROLL COUNTY						
19N23W08ADC1	1,325	3-26	241.98	1,083	-9.81	Green Forest public supply, 1977-80.
20N26W16DCD1	1,200	3-26	438.30	761	-20.48	Eureka Springs public supply, 1977-80.
21N26W15BAA1	1,102	3-26	113.32	10	-2.85	Holiday Island No. 2, 1977-80.

Table 15.--Measurements of water levels in wells tapping the Gunter Sandstone Member of the Van Buren Formation--Continued

Well number	Altitude of land surface (ft)	Depth to water below land surface		Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
		Date	Feet			
FULTON COUNTY						
19N06W23ADAL	682	3-24	225.72	456	-8.93	Cherokee Village, 1977-80.
20N08W27ABDL	660	3-24	8.14	652	+7.16	Salem public supply, 1977-80.
MARION COUNTY						
19N16W32ADAL	950	3-25	472.03	478	+2.06	Summit public supply, 1977-80.
NEWTON COUNTY						
17N20W21BCAL	1,344	3-25	407.70	937	+81.55	Marble Falls Estate public supply, 1977-80.
SHARP COUNTY						
18N06W10DCC1	655	3-24	127.38	528	+2.51	Ash Flat public supply, 1977-80.
STONE COUNTY						
15N12W02BCAL	985	4- 1	654	331	-217.00	Fifty-Six public supply, 1977-80.
WASHINGTON COUNTY						
15N31W17BBC1	1,228	3-27	109.60	1,118	+40.74	1977-80.
15N31W30CAB1	1,175	3-27	27.79	1,147	-2.81	1977-80.
16N32W09ABDL	1,135	3-27	111.19	1,024	-5.54	U.S. Forest Service Lake Weddington, 1977-80.
17N29W09ABDL	1,481	3-27	451.31	1,030	-9.63	White River Rural Water District, 1977-80.

Table 16.--Measurements of water levels in wells tapping the Potosi-Eminence Dolomite

Well number	Altitude of land surface (ft)	Depth to water below land surface Date	Feet	Altitude of water level (ft)	Net change, 1976-80 (ft)	Remarks
BENTON COUNTY						
20N29W13BCA1	1,430	3-26	352.35	1,078	+16.23	Benton County Water District public supply, 1977-80.
CARROLL COUNTY						
20N26W23ACA1	1,296	3-26	470.40	826	-127.65	Eureka Springs public sup- ply, 1977-80