

GROUND-WATER LEVELS IN THE ALLUVIAL AQUIFER  
IN EASTERN ARKANSAS, 1988

By Paul W. Westerfield and Carmen R. Baxter

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U.S. GEOLOGICAL SURVEY

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ARKANSAS SOIL AND WATER CONSERVATION COMMISSION,  
the U.S. SOIL CONSERVATION SERVICE, and  
LOCAL CONSERVATION DISTRICTS

Little Rock, Arkansas

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U.S. GEOLOGICAL SURVEY

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## CONVERSION FACTORS

For use of readers who prefer to use metric (International System) units, rather than the inch-pound units used in this report, the following conversion factors may be used:

<u>Multiply inch-pound unit</u>	<u>By</u>	<u>To obtain metric unit</u>
foot (ft)	0.3048	meter (m)

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Sea Level Datum of 1929."

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ABSTRACT

This report, prepared by the U.S. Geological Survey in cooperation with the Arkansas Soil and Water Conservation Commission, the U.S. Soil Conservation Service and local Conservation Districts, contains ground-water level measurements of 509 wells that tap the alluvial aquifer in the Quaternary deposits of the Mississippi Alluvial Plain. The measurements were made by district Soil Conservation Service personnel during 1988.

The shallowest prepumping season water levels occurred in Ashley, Clay, Greene, Mississippi, Phillips, and Randolph Counties where water levels averaged less than 20 feet below the land surface. The deepest water levels occurred in Arkansas, Lonoke, Poinsett, and Prairie Counties where water levels of more than 100 feet were measured. Water levels in the postpumping season averaged about 4.1 feet lower than during the prepumping season.

## INTRODUCTION

This report contains records of water-level measurements made in 509 wells that tap the aquifer in the Quaternary deposits of the Mississippi Alluvial Plain, herein referred to as the alluvial aquifer. It is prepared as part of the East Arkansas Water Conservation Project, a cooperative effort with the Arkansas Soil and Water Conservation Commission, the U.S. Soil Conservation Service, and local Conservation Districts, to better define the hydrologic characteristics of the alluvial aquifer in eastern Arkansas. In addition to the data included in this report, the U.S. Geological Survey, in cooperation with the Arkansas Geological Commission, has maintained for several years a network of monitor wells measured each spring before the pumping season. Recent publications of the U.S. Geological Survey concerning the alluvial aquifer in eastern Arkansas are listed in the selected references section of this report.

The data in this report were collected by district Soil Conservation Service personnel with coordination provided by the U.S. Geological Survey. The water-level data included in this report are stored in the U.S. Geological Survey's WATSTORE ground-water file system.

The water levels in table 1 reflect the prepumping and postpumping conditions during 1988. The shallowest prepumping water levels occurred in Ashley, Clay, Greene, Mississippi, Phillips, and Randolph Counties where water levels averaged less than 20 feet below the land surface. The deepest water levels occurred in Arkansas, Lonoke, Poinsett, and Prairie Counties where water levels of more than 100 feet below land surface were measured; water levels in these counties averaged from 56.6 to 88.0 feet below land surface. Water levels in the postpumping season averaged about 4.1 feet lower than during the prepumping season.

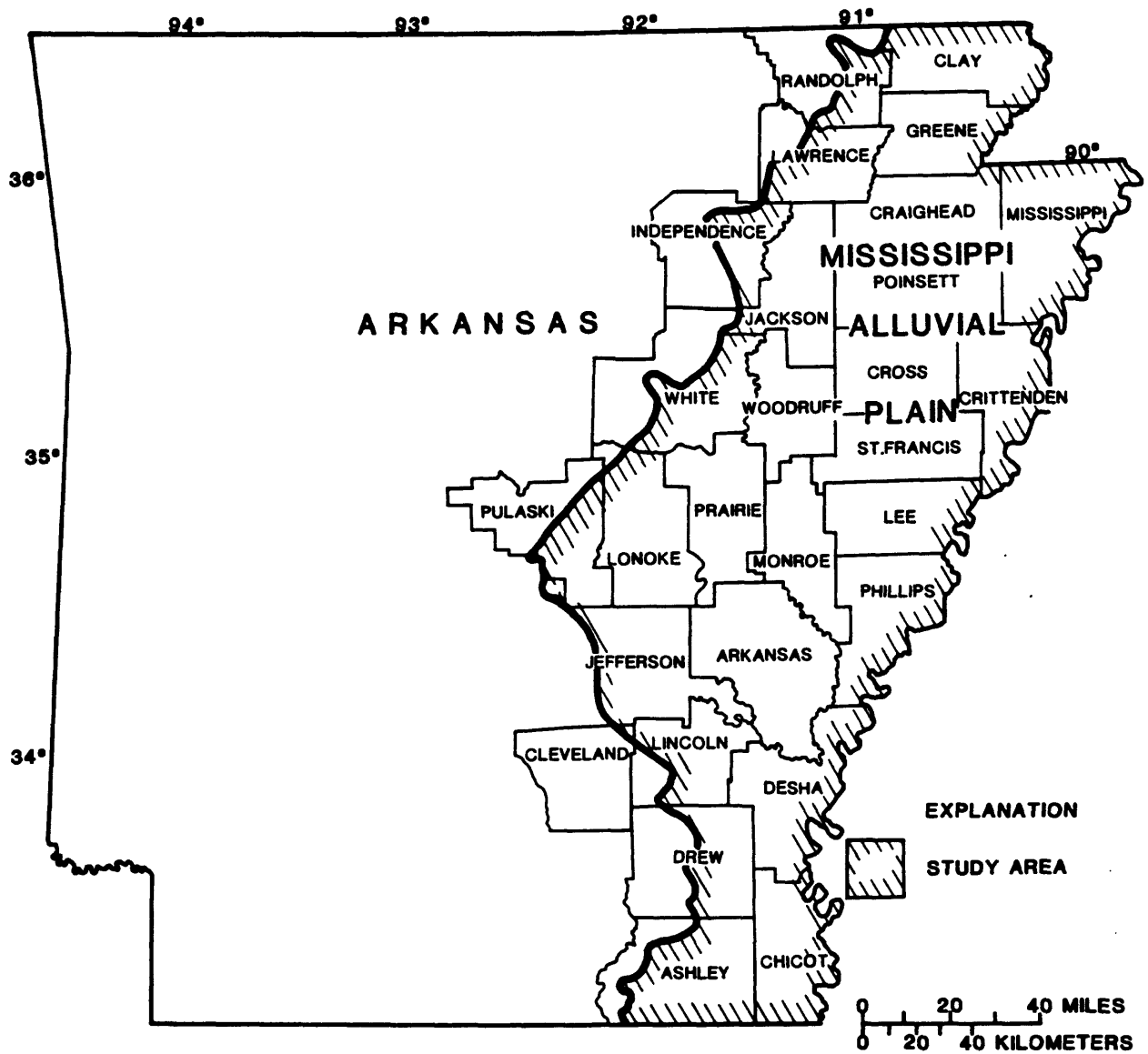


Figure 1.--Location of study area.

## DESCRIPTION OF HEADINGS

Table headings used in the report are defined as follows:

Location: An explanation is included in a separate section of this report.

Altitude of land surface: Altitude of the land surface at the well, in feet above sea level. The altitudes were estimated from topographic maps and are accurate to within 2.5 feet.

Depth to water below land surface: Measured depth to water, in feet below land surface. Measurements made with a chalked steel tape are reported to the nearest 0.1 foot and are accurate to within 0.05 foot. Measurements made with a pressure gauge are reported to the nearest foot and are accurate to the nearest 0.5 foot.

Date: The date of the measurement. If the day is unknown, the month followed by -00 is listed in this report.

Altitude of water level: Altitude of water level, in feet, above or below sea level.

Net change: Difference in feet between the spring and fall 1988 depth to water below land surface. A negative value indicates a decline in the water level in the well during the period.



## WELL-NUMBERING SYSTEM

The well-numbering system used in this report is based upon the location of the wells according to the Federal land survey used in Arkansas. The component parts of a well number are the township number, the range number, the section number, and three letters which indicate, respectively, the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section in which the well is located. The letters are assigned counterclockwise, beginning with "A" in the northeast quarter or quarter-quarter or quarter-quarter-quarter section in which the well is located. For example, well 01S03W04BBD16 (fig. 2) is located in Township 1 South, Range 3 West, and in the southeast quarter of the northwest quarter of the northwest quarter of section 4. This well is the 16th well in this quarter-quarter-quarter section of section 4 from which data were collected.

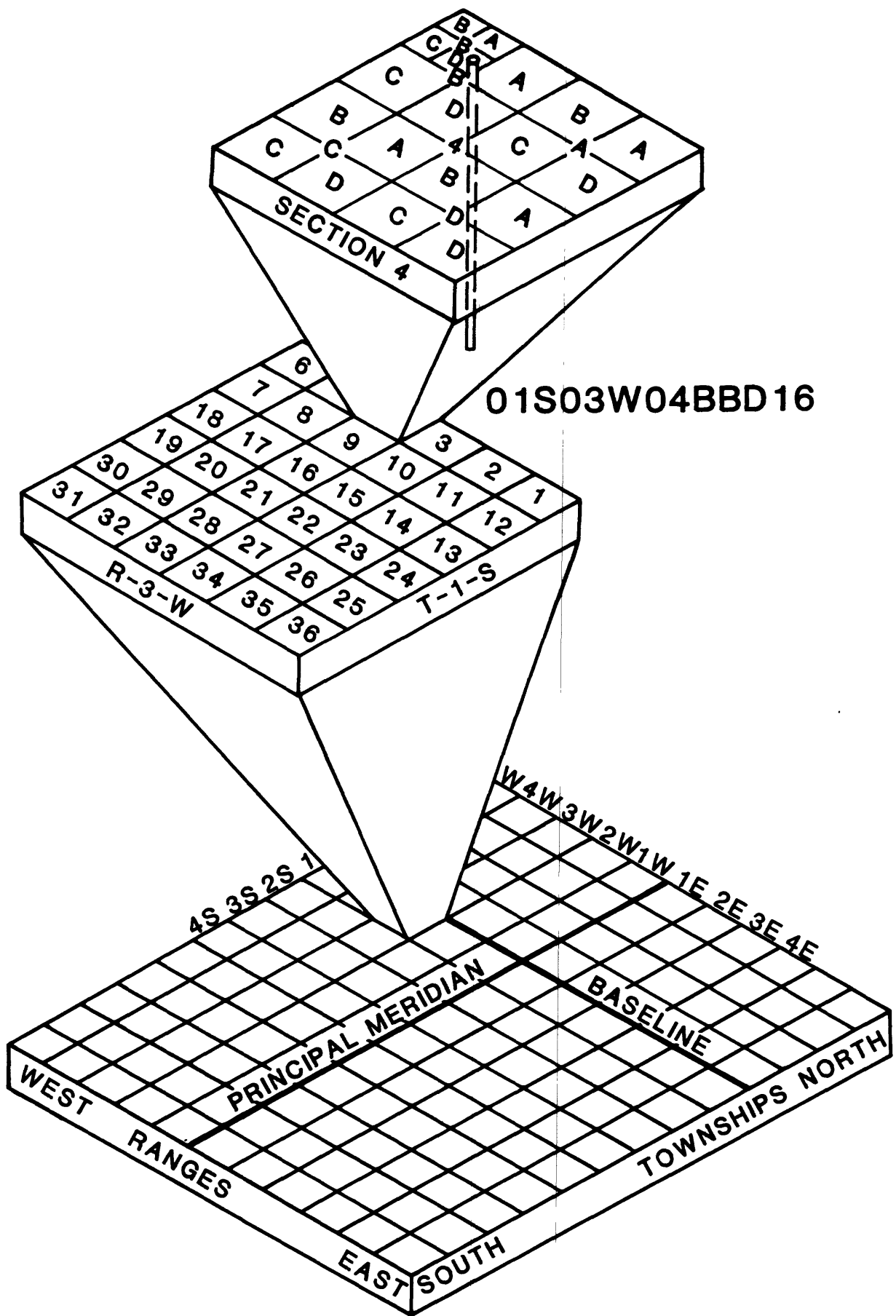


Figure 2.--Well-numbering system.

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Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988

Location	Land owner	Spring 1988				Fall 1988			
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Net Change (feet)
02S04W20AAB1	K. Maier	205	100.0	04-07	105	102.0	10-12	103	- 2.0
03S04W18CCA1	Senko Farms	210	113.0	04-07	97	--	--	--	--
03S04W18DCB1	Senko Farms	210	63.0	04-07	147	--	--	--	--
03S04W19AAA1	Senko Farms	208	111.0	04-07	97	--	--	--	--
03S04W31CDA1	Hennenbaum	195	--	--	--	98.0	10-12	97	--
04S04W14CCC1	Glen Stone	202	106.0	04-07	96	108.0	10-11	94	- 2.0
05S03W16ABB1	Allen Bros.	196	105.0	04-07	91	108.0	10-12	88	- 3.0
05S04W04BAA1	Marion Hartz	186	86.0	04-07	100	93.0	10-11	93	- 7.0
05S04W14AAD1	A.C. Smith	186	91.0	04-07	95	90.0	10-11	96	- 1.0
05S04W34BAC1	Mark Berry	191	70.0	04-07	121	71.0	10-11	120	- 1.0
06S02W03ABA1	J.W. Hargrove	187	72.0	04-07	115	78.0	10-11	109	- 6.0
07S03W10ACD1	Pat Hackney	187	51.0	04-07	136	56.0	10-11	131	- 5.0

ARKANSAS COUNTY

ASHLEY COUNTY

16S04W21AAC1	Craig Shackelford	130	26.1	04-26	104	36.8	10-18	93	- 10.7
16S05W01ACD1	Clyde Russell	125	18.0	04-26	107	23.0	10-18	102	- 5.0
17S05W01AAD1	Joel Newcomb	122	16.0	04-26	106	--	--	--	--
18S04W23DDD1	Henry Morschheimer	103	16.1	04-26	87	24.1	10-18	79	- 8.0
18S05W11CCD1	Billy Scroggins	118	19.4	04-26	99	25.5	10-18	94	- 6.1

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
ASHLEY COUNTY--Continued								
19S04W14BBB1	Larry Holland	107	18.8	04-26	88	28.6	10-18	78 - 9.8
19S05W08ACA1	Steven Harvey	111	15.4	04-26	96	23.2	10-18	88 - 7.8
19S05W16ABB1	John Currie, Jr.	116	21.9	04-26	94	27.4	10-18	89 - 5.5
19S05W27CBA1	Gerard Mountjoy	107	19.4	04-26	88	24.8	10-18	82 - 5.4
CHICOT COUNTY								
13S03W27AAA1	Bobby Braswell	138	--	--	--	33.0	10-12	105 --
14S02W09BD	J. Golden	135	--	--	--	30.0	10-12	105 --
14S02W18BBA1	B.F.W.	130	--	--	--	19.5	10-12	111 --
15S01W31ADD1	Ralph Baskett	120	--	--	--	20.0	10-12	100 --
15S02W20DDC1	Bruce Leggitt	125	--	--	--	27.0	10-12	98 --
15S03W13ACC1	Bill Keller	125	--	--	--	25.0	10-12	100 --
16S01W12DDB1	Joe Gates	110	--	--	--	24.0	10-12	86 --
16S03W11ABA1	Lewis Howell	115	--	--	--	25.0	10-12	90 --
17S03W18CBC1	Gus Pugh	115	--	--	--	31.0	10-12	84 --
17S03W28ACC1	R.H. Tuggle	105	--	--	--	23.0	10-12	82 --
18S01W33BDA1	Alvin Meyer, Jr.	115	--	--	--	23.0	10-12	92 --
19S02W28DAC1	Major Winters	125	--	--	--	40.0	10-12	85 --
CLAY COUNTY								
19N04E11DAA1	Joe Dodd	280	16.5	03-10	264	16.3	09-29	264 .2

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988				Fall 1988			
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Net Change (feet)
CLAY COUNTY--Continued									
19N06E18DBC1	Leroy Cruce	297	22.0	03-09	275	26.0	09-29	271	- 4.0
19N07E25BCB1	Lynn Wimberley	268	15.4	03-10	253	20.5	09-28	248	- 5.1
19N08E08DCA1	Ropac	263	4.0	03-16	259	8.5	09-28	255	- 4.5
19N09E19CDC1	Frank Thrasher	265	7.5	03-10	258	8.8	09-28	256	- 1.3
20N04E03AAC1	Quinn Brown	290	14.0	03-07	276	17.0	09-29	273	- 3.0
20N05E15CAA1	Odell Richardson	291	20.0	03-09	271	13.5	10-04	278	6.5
20N05E22CAD1	Wallace Lewallen	290	--	--	--	25.0	10-04	265	--
20N06E09BBA1	Leon Cates	290	12.5	03-09	278	15.4	09-26	275	- 2.9
20N06E28CDD1	Harold Bauschlicher	290	17.3	03-09	273	17.0	10-04	273	.3
20N08E22BDA1	Charles Hollis	279	7.0	03-16	272	11.0	09-28	268	- 4.0
20N09E09ABC1	Jess Hill	279	4.6	03-10	274	12.9	09-28	266	- 8.3
21N03E15CBC1	Joe Lewis	292	9.7	03-07	282	12.8	09-29	279	- 3.1
21N03E36CDC1	O.E. Davis	290	14.6	03-07	275	--	--	--	--
21N04E09DAC1	Buel Turner	291	8.3	03-07	283	12.6	09-29	278	- 4.3
21N06E09BBB1	John Holifield	292	5.3	03-09	287	11.0	09-26	281	- 5.7
21N07E01DCD1	David Lawrence	303	8.0	03-09	295	26.0	09-29	277	- 18.0
21N07E19BDA1	Junior Allman	295	9.0	03-09	286	21.0	09-29	274	- 12.0
21N08E03CCD1	Ricky Jones	310	18.0	03-16	292	28.0	10-03	282	- 10.0
21N08E03CDB1	Charles Foster	308	13.5	03-16	295	23.0	10-03	285	- 9.5
CRAIGHEAD COUNTY									
13N01E03AAA1	Joy Ledbetter	240	39.0	03-30	201	42.6	10-26	197	- 3.6

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
13N01E03AAA2	Joy Ledbetter	240	39.0	03-30	201	42.2	10-26	- 3.2
13N01E18D	Jimmy Denton	234	31.0	03-09	203	35.0	10-05	- 4.0
13N01E21CA	Ledbetter/Gossage	240	52.0	03-30	188	58.0	10-26	- 6.0
13N02E02AAB1	Mrs. Chas. Bishop	251	70.1	03-30	181	72.0	10-25	- 1.9
13N02E03AAA1	Freeze/Waddill	250	69.0	03-30	181	72.5	10-25	- 3.5
13N03E23CDA1	Earl Hill	249	72.3	03-30	177	74.1	10-25	- 1.8
13N03E28CDA1	H. Clark/Adams	250	83.9	03-30	166	--	--	--
13N04E15DCC1	W.R. Carter	230	20.1	03-30	210	22.1	11-01	- 2.0
13N04E26BCC1	R. Thurman	225	22.6	03-30	202	23.8	11-01	- 1.2
13N05E06DCC1	Mildred Morrison	229	17.1	03-29	212	18.7	11-01	- 1.6
13N06E03ACB1	Noel Eggers	223	4.1	03-29	219	7.5	10-31	- 3.4
13N06E21CBD1	Ed Ball	222	5.9	03-29	216	8.0	10-31	- 2.1
13N07E22DBA1	Herbert Wood	220	5.6	03-29	214	9.7	10-31	- 4.1
13N07E35ADD1	H. Adams, Jr.	221	9.0	03-29	212	13.1	10-31	- 4.1
14N01E03ACB1	Wiggins	249	36.0	03-21	213	40.0	10-26	- 4.0
14N01E10BAB1	Wayne Wiggins	246	34.8	03-21	211	36.8	10-26	- 2.0
14N01E31DAB1	Raymond Crider	251	41.1	03-30	210	46.0	10-26	- 4.9
14N02E15DDA1	Donald Williams	255	57.9	03-21	197	60.1	10-25	- 2.2
14N02E16BCD1	Larry Burns	250	48.1	03-21	202	51.0	10-25	- 2.9
14N02E22AAD1	Williams	255	57.8	03-21	197	60.0	10-25	- 2.2
14N05E29BAB1	Hellsboro Plaza, Inc	236	18.4	03-29	218	20.2	11-01	- 1.8
14N07E07BBC1	B. McFarlin	230	5.4	03-29	225	7.5	10-31	- 2.1
15N02E01CAB1	W. Barnes	265	20.1	03-21	245	22.7	10-25	- 2.6

CRAIGHEAD COUNTY--Continued



Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
CRAIGHEAD COUNTY--Continued									
15N02E12ABC1	S.W. Knight	250	19.4	03-21	231	21.0	10-25	229	- 1.6
15N05E15DDB1	Randolph Steele	253	21.1	03-29	232	24.9	10-31	228	- 3.8
15N05E32ABB1	Ray Dooley	252	19.3	03-29	233	24.2	11-01	228	- 4.9
15N06E04ABB1	Poley Schug	239	7.6	03-29	231	11.2	10-31	228	- 3.6
15N06E09DAA1	A.D. Schug	239	16.0	03-29	223	--	--	--	--
15N07E10DA	Maurice Keich, Trust	235	8.1	03-29	227	10.8	10-28	224	- 2.7
15N07E21DAB1	Urell Dudley	236	8.4	03-29	228	11.4	10-28	225	- 3.0

CRITTENDEN COUNTY

05N07E08DDA1	Billy West	206	25.0	03-23	181	20.7	10-21	185	4.3
05N07E34BDB1	Carlson	205	13.1	03-23	192	22.2	10-21	183	- 9.1
06N07E14BAA1	C.L. Eubanks	211	--	--	--	21.7	10-20	189	--
07N06E08DAD1	Billy Rogers	210	24.5	03-14	186	36.3	10-21	174	- 11.8
07N08E17BBC1	L. McCuiston	212	12.0	03-17	200	14.5	10-21	198	- 2.5
08N06E01DCC1	Sam Hatley	215	26.0	03-14	189	28.2	10-20	187	- 2.2
08N06E06DDA1	George Watson	214	26.7	03-14	187	28.8	10-20	185	- 2.1
08N07E32DAD1	Joe Marotti	215	19.0	03-14	196	24.2	10-20	191	- 5.2
09N07E02CCA1	Ed Young	225	24.5	03-14	201	27.9	10-21	197	- 3.4
09N07E21CDD1	E. Barnes	220	21.4	03-16	199	--	--	--	--
09N08E04CCB1	Joe Boone	216	16.0	03-14	200	20.2	10-20	196	- 4.2

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988				Fall 1988				Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)		
CROSS COUNTY										
06N02E10CDA1	V.A. Pervin	200	51.8	04-18	148	53.8	11-01	146	-	2.0
06N02E12AAA1	Hoyt Neill	235	64.3	04-18	171	77.5	11-01	158	-	13.2
06N04E01BBB1	Lucy Billingsley	205	31.5	04-18	174	31.0	11-03	174	-	.5
06N05E02AAA1	M & W Farms	205	29.1	04-18	176	33.5	11-03	172	-	4.4
07N01E05DCB1	W.E. Plyler	215	59.0	04-18	156	66.0	10-13	149	-	7.0
07N01E06CAA1	Sonny Cox	220	59.0	04-19	161	69.5	10-13	151	-	10.5
07N01E33BBA1	Martin Ridley	215	62.2	04-18	153	64.5	11-01	151	-	2.3
07N02E04DCD1	Randy Boeckmann	225	49.9	04-19	175	52.0	11-01	173	-	2.1
07N02E10ABB1	E.R. Rolfe	225	67.4	04-18	158	70.0	10-13	155	-	2.6
07N02E12BBC1	David Holloman	225	62.7	04-19	162	67.5	10-13	158	-	4.8
07N02E15DAA1	David Tyer	218	56.0	04-19	162	64.1	11-01	154	-	8.1
07N02E29DDC1	Martha Ellis Estate	220	54.8	04-18	165	55.2	11-01	165	-	.4
07N03E05AAD1	Gloria Borell	255	93.0	04-18	162	98.1	10-27	157	-	5.1
07N04E03BDA1	Lulynne Hickey	205	23.0	04-18	182	--	--	--	--	--
07N04E04DBB1	Glen Eaton	201	23.5	04-19	178	26.2	11-01	175	-	2.7
07N04E07AAA1	Timmy Wilkins	215	36.9	04-18	178	40.0	11-01	175	-	3.1
07N05E02AAB1	O.C. Houser	210	26.8	04-18	183	--	--	--	--	--
07N05E09DBC1	C.W. Martin	210	29.7	04-18	180	32.2	11-03	178	-	2.5
07N05E25ABA1	H.F. Sloan	205	26.8	04-18	178	28.9	11-03	176	-	2.1
08N01E02CDD1	Ms. George Wisemore	227	62.6	04-19	164	--	--	--	--	--
08N01E16DBB1	Myrtle Kemp	225	66.6	04-18	158	69.0	10-27	156	-	2.4
08N01E17CAD1	Una Cooper	220	50.9	04-19	169	60.0	10-27	160	-	9.1
08N02E12DCC1	Donald Rolland Estate	230	71.0	04-18	159	73.2	10-27	157	-	2.2

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
CROSS COUNTY--Continued									
08N02E17BAA1	L.V. Diebold	225	65.4	04-18	160	73.0	10-27	152	- 7.6
08N04E27ABB1	Kenneth Thompson	205	23.9	04-18	181	29.5	11-01	176	- 5.6
09N01E04ACD1	Virginia Rienhart	225	70.4	04-18	155	76.1	10-27	149	- 5.7
09N01E33BBA1	Rebecca Fisher	225	66.0	04-18	159	70.6	10-27	154	- 4.6
09N01E36AAB1	Curtis Hagler	225	70.2	04-18	155	70.3	10-27	155	- .1
09N02E17AAB1	Sam Vaughn	232	74.0	04-19	158	89.4	10-27	143	- 15.4
09N02E20AAA1	Fay Imboden	230	74.9	04-18	155	78.0	10-27	152	- 3.1
09N02E30CBB1	Larry Volk	225	66.8	04-19	158	68.2	10-27	157	- 1.4
09N03E03ACC1	Lou Stadler	250	92.2	04-18	158	96.5	11-03	154	- 4.3
09N03E17CDD1	Millard Carter	245	83.6	04-18	161	89.4	10-27	156	- 5.8
09N04E01ADD1	Delta Farm	205	16.9	04-19	188	22.5	11-01	183	- 5.6
09N04E03DBB1	John Brown	215	14.2	04-18	201	24.0	11-03	191	- 9.8
09N04E33ADB1	Anne Quessenberry	205	22.6	04-18	182	--	--	--	--
09N05E10ACC1	John Collier	210	21.4	04-18	189	24.8	11-03	185	- 3.4
09N05E32BDB1	Elizabeth Johnston	210	24.5	04-18	186	26.0	11-03	184	- 1.5
DESHA COUNTY									
07S01E19ABA1	Brooks Griffin	154	12.0	03-30	142	19.6	10-00	134	- 7.6
09S01W08BDA1	Adcock	151	18.2	04-21	133	26.0	10-20	125	- 7.8
09S01W15CBB1	Baxter	152	19.5	04-19	133	23.5	10-20	129	- 4.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
09S02W17CBC1	Beegle	153	21.7	04-19	131	26.0	10-20	127	- 4.3
09S02W20DAC1	Spainhouer	152	20.5	04-21	132	30.0	10-20	122	- 9.5
09S03W35CCA1	Shea	155	28.5	04-21	127	36.5	10-20	119	- 8.0
09S03W35DCB1	Hopmann	156	28.9	04-19	127	35.0	10-20	121	- 6.1
09S04W02CDA1	Walt Bros.	163	30.1	04-21	133	40.0	10-20	123	- 9.9
10S01W23DBC1	Simpson	146	9.6	04-19	136	23.0	10-20	123	- 13.4
10S02W11ADD1	Singleton	148	14.2	04-21	134	28.0	10-20	120	- 13.8
10S02W23DBC1	Baxter	153	23.5	04-19	130	33.0	10-20	120	- 9.5
10S04W08BDA1	Stimson	162	23.0	04-21	139	33.5	10-20	129	- 10.5
10S04W11BBB1	Pickens	161	22.6	04-19	138	39.0	10-20	122	- 16.4
10S04W16CCA1	Pickens	159	16.3	04-19	143	30.5	10-20	129	- 14.2
11S02W15BAD1	Tucker (Wolfe Est.)	148	23.9	04-21	124	33.0	10-20	115	- 9.1
11S02W31DAA1	Johnson	147	27.5	04-21	120	40.0	10-20	107	- 12.5
11S03W21ABB1	Tillar & Co.	139	21.1	04-21	118	32.0	10-20	107	- 10.9
12S03W30BCD1	Powell	141	21.8	04-19	119	25.0	10-20	116	- 3.2
13S02W05CDC1	Gilliam	146	35.0	04-18	111	44.0	10-20	102	- 9.0
13S02W05CDD1	Gilliam	146	35.0	04-21	111	39.5	10-20	107	- 4.5
13S02W32DBD1	Deltic	135	32.7	04-19	102	35.0	10-20	100	- 2.3

DESHA COUNTY--Continued

DREW COUNTY

11S04W31ABC1	Peterson	152	8.5	04-27	144	12.8	10-18	139	- 4.3
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Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988				Fall 1988				Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)		
DREW COUNTY--Continued										
12S04W25ABC1	Powell	140	21.0	04-21	119	24.5	10-20	116	-	3.5
12S04W25DBB1	Houge	147	22.4	04-26	125	24.8	10-17	122	-	2.4
12S05W04AAB1	R.D. Jones	182	30.9	04-26	151	33.9	10-17	148	-	3.0
13S04W09ACD1	Tabor	145	12.1	04-26	133	16.6	10-17	128	-	4.5
13S04W29CAB1	Ogles	135	8.2	04-26	127	13.5	10-17	122	-	5.3
13S06W21DAA1	Reinhart	207	69.0	04-27	138	67.2	10-18	140	-	1.8
14S04W03ADD1	Pamplin	149	23.3	04-26	126	24.9	10-17	124	-	1.6
14S04W05CBA1	Henke	134	7.7	04-26	126	16.6	10-17	117	-	8.9
14S04W08CAD1	Bates	130	6.9	04-26	123	14.1	10-18	116	-	7.2
14S04W22CAA1	Dennington	135	15.8	04-26	119	25.0	10-17	110	-	9.2
GREENE COUNTY										
16N05E27DBB1	McLaughlin	285	18.0	03-16	267	22.3	10-13	263	-	4.3
16N06E09AAC1	Williamson	255	38.5	03-16	217	37.5	10-13	218	-	1.0
16N06E21BBA1	Wells	250	22.0	03-16	228	25.3	10-13	225	-	3.3
17N03E28CDB1	Dulaney	260	18.0	03-23	242	19.0	10-18	241	-	1.0
17N03E28DCD1	Gillman	270	21.0	03-23	249	23.7	10-18	246	-	2.7
17N03E29ABB1	Jumper	255	18.0	03-23	237	21.7	10-18	233	-	3.7
17N06E15ABB1	Boggs	263	27.2	03-23	236	31.0	10-18	232	-	3.8
17N06E22CBA1	Frankum	265	29.8	03-23	235	32.2	10-13	233	-	2.4

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
GREENE COUNTY--Continued									
17N07E03CCC1	Alexander	245	6.0	03-16	239	8.8	10-18	236	- 2.8
17N07E29OBB1	Thomas	244	4.0	03-23	240	8.0	10-13	236	- 4.0
18N07E17BAB1	Lewis	260	5.0	03-16	255	10.0	10-18	250	- 5.0
18N08E29CBA1	Hill	250	5.5	03-16	245	11.5	10-18	239	- 6.0
19N04E30DBB1	Daughettee	276	23.0	03-23	253	25.0	10-18	251	- 2.0
19N05E34BDD1	Lange	282	23.0	03-23	259	26.5	10-13	256	- 3.5
INDEPENDENCE COUNTY									
11N04W02ABB1	Jerry Roberson	237	11.0	05-02	226	22.3	10-20	215	- 11.3
11N04W06ABB1	David Pankey	230	14.6	05-02	215	12.4	10-20	218	2.2
12N05W36AAA1	Don Kramer	235	--	--	--	24.3	10-20	211	--
14N03W12CCB1	Laverne Dickey	231	2.3	05-02	229	9.8	10-20	221	- 7.5
14N03W14CBB1	Jim Barnett	228	1.0	05-02	227	6.0	10-20	222	- 5.0
JACKSON COUNTY									
09N01W15D	M.P. Murphee	222	43.2	03-03	179	45.0	10-05	177	- 1.8
09N01W30B	Calvin Fields	210	31.1	04-04	179	36.0	10-05	174	- 4.9

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988				Fall 1988				Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)		
09N02W11C	Peter Guinn	221	11.0	04-04	210	14.5	10-11	207	- 3.5	
09N02W32B	B.J. Hardin	224	24.0	03-22	200	28.0	10-06	196	- 4.0	
09N02W32B2	B.J. Hardin	227	24.0	03-22	203	28.0	10-06	199	- 4.0	
10N01W02C	W.E. Jackson	230	47.5	03-15	183	50.0	10-05	180	- 2.5	
10N01W04	W.C. Neeley	225	41.6	03-03	183	--	--	--	--	
10N01W05	Charlie McCartney	227	34.3	03-03	193	36.9	10-05	190	- 2.6	
10N01W10A	Johnson Farm	220	43.0	03-22	177	45.3	10-05	175	- 2.3	
10N01W14C	J. Winemiller	228	49.0	03-15	179	53.0	10-05	175	- 4.0	
10N01W27A	J. Kieffer	225	46.8	03-03	178	50.0	10-05	175	- 3.2	
10N02W29	Jack Kent	220	17.0	03-22	203	19.0	10-06	201	- 2.0	
10N03W11	Oscar Turner	214	3.5	04-04	211	9.0	10-06	205	- 5.5	
10N03W30C	Kenny Falwell	222	16.4	03-03	206	30.0	10-11	192	- 13.6	
11N01W25B	Davis Brothers	231	52.3	03-22	179	55.6	10-05	175	- 3.3	
11N02W09	Andy Doyle	233	22.1	03-03	211	25.5	10-04	208	- 3.4	
11N02W23D	J.D. Huey	226	19.6	03-03	206	22.6	10-05	203	- 3.0	
11N03W12D	Haigwood Brothers	227	15.0	04-04	212	22.0	10-06	205	- 7.0	
11N03W18C	Rutledge Brothers	218	10.8	04-04	207	19.3	10-11	199	- 8.5	
12N01W11B	Joe Edwards	233	26.0	04-04	207	28.5	10-04	205	- 2.5	
12N01W14C	Bill Phillips	233	27.0	03-15	206	30.0	10-06	203	- 3.0	
12N01W30C2	Floyd Coleman	226	25.0	04-04	201	28.0	10-06	198	- 3.0	
12N01W30CA	Floyd Coleman	232	25.0	04-04	207	28.0	10-05	204	- 3.0	
12N01W36	W.R. Loftin	236	39.4	04-04	197	43.3	10-05	193	- 3.9	
12N02W19C	Kaneaster Hodges	230	12.0	03-15	218	13.0	10-06	217	- 1.0	

JACKSON COUNTY--Continued

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
13N01W23B	Jim Thomas	243	30.5	03-03	213	33.3	10-04	- 2.8
13N02W10A	Dale Baughn	247	18.0	03-09	229	20.0	10-05	- 2.0
13N02W22	Holden-Conner	240	14.8	03-03	225	16.4	10-04	- 1.6
13N02W34C	James Young	240	14.0	03-09	226	16.0	10-06	- 2.0
13N03W15	Taylor Estate	235	14.3	03-03	221	20.0	10-04	- 5.7
13N03W36	S. Graham	235	12.1	04-04	223	15.0	10-04	- 2.9
14N01W01C	Paul Bennett	248	31.0	03-03	217	33.2	10-04	- 2.2
14N01W08A	Lynn Nicholson	253	24.5	03-03	229	25.5	10-04	- 1.0
14N01W19	W.D. Hulett	245	22.1	03-03	223	23.3	10-04	- 1.2
14N01W26C	Leo Saenger	247	30.0	03-03	217	32.4	10-04	- 2.4
14N01W33C	Benny Templeton	247	26.6	03-03	220	29.2	10-04	- 2.6
14N02W12	W.J. Rainwater	251	23.4	03-03	228	24.9	10-04	- 1.5
14N02W22B	George Bradley	250	23.1	03-03	227	24.4	10-04	- 1.3

JACKSON COUNTY--Continued

JEFFERSON COUNTY

03S07W36ACC1	Ned Brown	185	26.4	04-21	159	31.5	10-12	- 5.1
03S08W01ABB1	C.H. Triplett	197	33.1	04-21	164	35.8	10-12	- 2.7
03S08W31CCB1	J. Blair	215	33.6	04-21	181	36.0	10-12	- 2.4
03S09W14BCD1	Tucker Estate	224	33.8	04-21	190	35.0	10-12	- 1.2
03S09W27AAA1	Tucker Estate	222	34.5	04-21	188	43.0	10-12	- 8.5



Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
JEFFERSON COUNTY--Continued									
03S09W36ACC1	Payne Estate	215	28.0	04-21	187	33.5	10-12	182	- 5.5
03S10W25BBB2	Bennett	215	12.0	04-21	203	--	--	--	--
03S10W26DAD2	Bennett	215	13.6	04-21	201	22.5	10-12	193	- 8.9
04S07W35DDB1	Mark Shelton	185	21.4	04-21	164	21.0	10-12	164	.4
04S08W33DBB1	Elms	212	27.8	04-21	184	32.4	10-12	180	- 4.6
04S09W01DAA2	J. Blair	213	33.0	04-21	180	--	--	--	--
04S09W32DCB1	J. Blair	215	20.0	04-21	195	30.0	10-12	185	- 10.0
04S09W34DBA2	Guenther	215	18.3	04-21	197	26.3	10-12	189	- 8.0
05S07W35CDD2	Prudential	195	16.5	04-21	179	22.5	10-12	173	- 6.0
07S07W16CDB1	J.B. Thompson	188	14.0	04-21	174	18.2	10-12	170	- 4.2
07S07W18AAD1	C.H. Triplett	188	17.5	04-21	171	23.5	10-12	165	- 6.0
LAWRENCE COUNTY									
15N01E11DAA1	Truman Goodson	255	32.4	04-27	223	--	--	--	--
15N01E23DAD1	J.B. Loren	250	30.4	04-27	220	--	--	--	--
15N01E32AAB1	Ervin Blanchard	255	39.0	04-27	216	--	--	--	--
15N01W03BAB1	Lance Phillips	259	26.8	04-27	232	--	--	--	--
15N01W23BCD1	Joel Teel	255	30.1	04-27	225	--	--	--	--
15N01W30AAA1	Laddie Allen	254	25.2	04-27	229	--	--	--	--
15N02E10BBD1	D.B. White	247	19.4	04-27	228	--	--	--	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
LAWRENCE COUNTY--Continued								
16N01E29BBA1	Stan Jones	261	32.5	04-27	229	--	--	--
16N01E30DCC1	Sylvia Rainwater	260	34.7	04-27	225	--	--	--
16N01E35AAA1	Melton Todd	256	30.9	04-27	225	--	--	--
16N01W30DDC1	Casey Phillips	255	15.1	04-27	240	--	--	--
16N02E09AAD1	James F. Sloan	261	27.8	04-27	233	--	--	--
16N02E19ACA1	Belk Farms	260	29.3	04-27	231	--	--	--
16N02E34CBA1	Raymond Covey	255	28.6	04-27	226	--	--	--
17N01E21CAC1	J.D. Beary	265	14.1	04-27	251	--	--	--
17N01E27AAA1	W.A. Wilson Jr.	270	25.5	04-27	245	--	--	--
17N01W26BCB1	Bennett Hart	260	13.8	04-27	246	--	--	--
17N01W36AAB1	Raymond Jones	257	8.5	04-27	249	--	--	--
17N02E04ADD1	Wilson Crisler	270	28.4	04-27	242	--	--	--
17N02E19CDD1	Tom Hilburn	265	27.5	04-27	238	--	--	--
17N02E21AAC1	Smith Painting Co.	268	29.3	04-27	239	--	--	--
17N02E25CBD1	Delphine Connelly	265	23.8	04-27	241	--	--	--
LEE COUNTY								
01N01E04AAB1	John Fricker	175	--	--	--	24.0	11-25	151
01N01E09CCC1	V.W. Williams	175	17.4	03-17	158	29.0	11-25	146
01N01E24CBA1	James Key	185	10.0	03-17	175	19.0	11-25	166
								11.6
								9.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988				Fall 1988				Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)		
LEE COUNTY--Continued										
01N02E01DDD1	Bill Gerrard	205	18.0	04-08	187	33.0	11-25	172	-	15.0
01N02E09BBA2	Alex Palmer	200	22.0	04-08	178	30.0	11-25	170	-	8.0
01N02E12ABB1	Bill Gerrard	205	20.0	04-08	185	34.0	11-25	171	-	14.0
01N02E22CAA1	Jimmy Manley	200	18.0	03-17	182	32.3	11-25	168	-	14.3
01N02E33CBB1	Eugene Hindlsey	185	6.5	03-17	179	15.0	11-25	170	-	8.5
01N02E33CCB1	A.B. Thompson	185	9.0	03-17	176	15.0	11-25	170	-	6.0
02N01E18CBD1	Steve Fowler	185	27.5	03-17	158	35.0	11-25	150	-	7.5
02N01E21BAA1	John Dozier	189	--	--	--	25.4	11-25	164	--	--
02N01E23ABA1	J.N. Bickerstaff	200	--	--	--	42.3	11-25	158	--	--
02N01W34CDA1	A.J. Harvey	186	32.0	03-17	154	38.0	11-25	148	-	6.0
02N01W34DDC1	A.J. Harvey	180	--	--	--	35.0	11-25	145	--	--
02N02E36DDC1	Jane Cloyd	205	16.4	03-17	189	30.0	11-25	175	-	13.6
02N03E29CAA1	Lowell Parten	215	32.0	04-08	183	46.0	11-25	169	-	14.0
02N03E33DCD1	Alex Palmer	205	31.0	04-08	174	36.5	11-25	169	-	5.5
02N04E03ABD1	Lou Mann	185	24.5	03-17	161	28.0	11-25	157	-	3.5
03N01E03CBC1	Derward Byrd	205	52.0	04-08	153	50.0	11-25	155		2.0
03N01E17ADC1	Derward Byrd	200	53.8	03-24	146	51.0	11-25	149		2.8
03N01E32BBC1	Harlan Wilson	200	45.8	03-24	154	51.0	11-25	149	-	5.2
03N02E12CDC1	Bernard Whitehead	210	--	--	--	44.0	11-25	166	--	--
03N02E24CAD1	C.F. Tyson	205	35.5	03-24	170	--	--	--	--	--
03N03E05CBC1	Buddy Whitehead	210	40.0	04-08	170	--	--	--	--	--
03N03E11DCB1	Faye Bullard	225	50.8	03-24	174	54.0	11-25	171	-	3.2
03N03E18DAB1	Trent Felton	175	22.0	04-08	153	23.0	11-25	152	-	1.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
LEE COUNTY--Continued								
03N04E07CBB1	Mike Vaccaro	200	27.0	04-08	173	30.0	11-25	170 - 3.0
03N05E03ADB1	W.H. Daggett	197	21.0	03-17	176	21.8	11-25	175 - .8
03N05E26ADC1	Ray Dawson	185	7.0	03-17	178	8.7	11-25	176 - 1.7
LINCOLN COUNTY								
07306W03CCA1	Katie Wood	190	12.0	04-04	178	21.0	10-12	169 - 9.0
07S07W36CBD1	Joe Newton	185	25.0	04-04	160	33.0	10-12	152 - 8.0
08S04W06ACB1	Robert Adcock	174	8.0	04-04	166	15.0	10-12	159 - 7.0
08S04W28CAB1	T.J. Cox	166	20.0	04-04	146	28.0	10-12	138 - 8.0
08S05W12DBA1	R.L. Rogers	171	11.0	04-04	160	20.0	10-12	151 - 9.0
08S05W16DBC1	Joel Garner	174	20.0	04-04	154	22.0	10-12	152 - 2.0
08S05W21DCD1	Joel Garner	174	20.0	04-04	154	27.0	10-12	147 - 7.0
08S05W29ABC1	Elmer West	176	30.0	04-04	146	32.0	10-12	144 - 2.0
08S05W32DCC1	Sue Halter	174	28.0	04-04	146	32.0	10-12	142 - 4.0
09S04W06CBB1	Prudential Life	163	21.0	04-04	142	23.0	10-12	140 - 2.0
09S05W34HBD1	A.V. Stimson	171	22.0	04-04	149	26.0	10-12	145 - 4.0
09S06W03BDC1	Jack Jackson	175	26.0	04-04	149	29.0	10-12	146 - 3.0
09S06W04BDD1	Tom Cogbill	180	28.0	04-04	152	30.0	10-12	150 - 2.0
09S06W14ACA1	E.F. Freeman	175	26.0	04-04	149	29.0	10-12	146 - 3.0
09S06W23BCD1	E.F. Freeman	175	25.0	04-04	150	27.0	10-12	148 - 2.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
LINCOLN COUNTY--Continued									
09S06W24DAA1	G.D. Smith	177	28.0	04-04	149	23.0	10-12	154	5.0
LONOKE COUNTY									
01N07W07ABB2	Schenebeck	227	104.8	04-27	122	112.8	10-20	114	- 8.0
01N07W33BCB1	Ward and Stratton	213	90.0	04-27	123	92.00	10-27	121	- 2.0
01N08W03DDA1	Winrock Farms	230	107.4	04-27	123	111.0	10-31	119	- 3.6
01N08W17DBD1	Hill	218	70.7	04-28	147	72.6	10-31	145	- 1.9
01N09W25BAA1	Aeries, Inc.	228	69.5	04-28	159	73.7	10-31	154	- 4.2
01N10W02CBD1	Prudential	241	22.0	04-27	219	31.5	10-20	210	- 9.5
01N10W12ABB1	Stecks	240	35.7	04-27	204	36.8	10-20	203	- 1.1
01N10W15CDA1	Dortch	241	20.8	04-27	220	22.6	10-31	218	- 1.8
02N07W07DAA1	Elliot	232	113.0	05-18	119	116.6	10-27	115	- 3.6
02N08W23DDB1	Kittler	229	109.1	04-27	120	111.5	10-30	118	- 2.4
02N09W18ABC1	Finley	261	74.5	05-03	187	74.9	10-31	186	- .4
02N10W14BBB1	Rey	238	36.5	05-03	202	41.5	10-31	197	- 5.0
02N10W15ACC1	Townsend	242	32.4	04-28	210	35.0	10-31	207	- 2.6
02N10W36BDC1	Prudential	243	37.0	05-03	206	41.5	10-31	202	- 4.5
03N07W27ABA2	Young	230	84.5	04-27	146	86.4	10-27	144	- 1.9
03N07W32CCD2	Gosney	240	101.0	05-03	139	102.9	10-31	137	- 1.9
03N08W26CDC1	Schafer	235	89.0	04-27	146	91.3	10-31	144	- 2.3

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
03N10W24DBA1	McCrory	237	45.0	04-28	192	45.1	10-31	192	- .1
01S06W07	Winrock Farms	220	117.0	04-28	103	117.4	10-26	103	- .4
01S06W16CCC1	Belcher	207	79.6	04-28	127	87.5	10-21	120	- 7.9
01S06W32BBB1	Bowlan	201	67.7	04-28	133	68.9	10-21	132	- 1.2
01S07W02CAA1	Rouse	210	82.5	04-27	128	86.7	10-27	123	- 4.2
01S09W03CDC2	Sandage	225	54.2	04-28	171	55.1	10-22	170	- .9
01S09W36CCC1	Burgess	220	46.1	04-28	174	48.4	10-20	172	- 2.3
01S10W15BBA1	Travelers	238	19.5	05-03	219	23.0	10-21	215	- 3.5
02S07W02BBC1	Tebbets	224	47.3	04-27	177	51.0	10-20	173	- 3.7
02S08W22CCC1	Walls	216	52.8	04-27	163	54.5	10-31	162	- 1.7
02S09W22AAA1	Capps	228	48.5	04-28	180	56.7	10-20	171	- 8.2
02S09W30DCC1	Sunderman	228	33.4	04-28	195	36.0	10-21	192	- 2.6

LONOKE COUNTY--Continued

MISSISSIPPI COUNTY

10N08E21ABB1	Bob Pugh	224	18.3	03-16	206	21.9	10-20	202	- 3.6
10N08E21BAD1	Bob Pugh	224	18.0	03-16	206	20.1	10-20	204	- 2.1
12N09E12ABB1	Harold Senter	234	8.1	03-16	226	--	--	--	--
12N10E04CAA1	R.B. Holthouse	235	8.1	03-15	227	15.2	10-19	220	- 7.1
12N10E07BCD1	Charles Robinson	239	10.0	03-16	229	18.7	10-19	220	- 8.7
12N10E21DBA1	Charles Standefer	236	11.2	03-16	225	16.4	10-24	220	- 5.2

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
MISSISSIPPI COUNTY--Continued								
13N08E24ABB1	Ira G. Ashley	230	10.2	03-14	220	12.5	10-24	218 - 2.3
14N08E20DAA1	Prudential Insurance	225	--	--	--	6.2	10-20	219 --
14N08E26CCD1	E.L. Parks	230	4.0	03-16	226	5.0	10-20	225 - 1.0
14N11E33DBB1	Mike McCarty	240	11.0	03-14	229	17.4	10-19	223 - 6.4
15N10E21ABC1	Joe Dillidine	240	11.0	03-14	229	--	--	-- --
MONROE COUNTY								
01N01W03CDB1	Edgar Fowler	185	31.3	03-22	154	--	--	-- --
01N02W19BCB1	Don Pettigrew	180	18.3	03-22	162	--	--	-- --
01N03W23BAD1	Corrine Nelson	170	10.0	03-22	160	--	--	-- --
02N01W19ADD1	A.J. Brizzolara	190	39.5	03-17	150	--	--	-- --
02N03W35CDA1	Bill Davis	185	28.7	03-22	156	32.5	10-03	153 - 3.8
04N02W05AAA1	D.R. Parsley	185	12.1	03-22	173	--	--	-- --
01S01W16DB	Allen Walls	175	14.0	03-17	161	--	--	-- --
01S02W20BBB1	J.T. Richardson	170	8.2	03-22	162	--	--	-- --
01S03W20CCD1	Don Davis	210	70.0	03-23	140	74.0	10-03	136 - 4.0
02S01W01BCD1	Larry Coleman	175	15.0	03-17	160	20.6	09-12	154 - 5.6
02S01W11DBB1	Allen Walls	170	15.2	03-17	155	--	--	-- --
PHILLIPS COUNTY								
01S01E20DDB1	Dennis Storey	185	15.0	03-29	170	24.0	10-00	161 - 9.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988				Fall 1988				Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)		
PHILLIPS COUNTY--Continued										
01S02E09BDC	Ronald Storey	185	11.0	03-30	174	18.0	10-00	167	-	7.0
01S02E32BCC1	Joe Kemmer	200	31.0	03-29	169	38.4	10-00	162	-	7.4
01S03E02ADD1	Nix Bros.	200	7.0	03-29	193	--	--	--	--	--
01S03E10ABB1	Henry Heidelberger	205	14.0	03-29	191	25.0	10-00	180	-	11.0
01S03E20BDD1	W.A. Smith	210	32.0	03-29	178	43.0	10-00	167	-	11.0
01S04E05DCD1	J.W. Webb	230	43.7	03-29	186	51.0	10-00	179	-	7.3
02S02E29DDD1	James Yancey	180	21.0	03-29	159	29.0	10-00	151	-	8.0
02S02E33ACC1	James Yancey	177	25.0	03-29	152	25.0	10-00	152	-	.0
02S03E05BBC1	W.A. Smith	194	26.0	03-29	168	33.4	10-00	161	-	7.4
02S03E34BBD1	Gere Carnathan	165	16.0	03-29	149	19.0	10-00	146	-	3.0
02S04E27ACC1	W.A. Bailey	175	9.0	03-29	166	15.0	10-00	160	-	6.0
02S04E32BCA1	Pat Burke	175	14.2	03-29	161	18.0	10-00	157	-	3.8
03S01E01AA	Steve Cannon	156	12.0	03-30	144	23.0	10-00	133	-	11.0
03S04E02CAA1	Buron Griffin	176	14.0	03-29	162	21.0	10-00	155	-	7.0
04S01E14CDD1	Don Warren	155	10.0	03-30	145	13.4	10-00	142	-	3.4
04S01E26CDA1	Charles R. Griffith	160	13.8	03-30	146	20.4	10-00	140	-	6.6
04S01E29C	J.B. Lambert, III	150	4.0	03-30	146	10.0	10-00	140	-	6.0
04S02E01DBB1	Steve Cannon	163	7.0	03-30	156	14.4	10-00	149	-	7.4
05S01E26ADC1	Jim Bush	160	12.1	03-30	148	17.0	10-00	143	-	4.9
POINSETT COUNTY										
10N01E02AA	Paul Wolf	235	--	--	--	78.5	11-00	157	--	--



Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
10N01E10DAB1	Charlie Dale	236	76.5	03-16	160	80.5	11-00	- 4.0
10N01E32CBB1	Anderson Weld	222	42.0	03-16	180	41.0	11-00	1.0
10N01E33ABB1	Eddie Wright	220	56.0	03-16	164	71.0	11-00	- 15.0
10N01E34ADA1	Eddie Wright	230	79.5	03-16	151	82.0	11-00	- 2.5
10N02E02CB	Jack Knapple	235	70.0	03-16	165	66.0	11-00	4.0
10N02E13BCC1	Danny Clements	237	80.0	03-14	157	80.0	11-00	.0
10N02E20BAB1	Beal	237	82.5	03-16	155	82.5	11-00	.0
10N03E02DDD1	Gary Reddman	265	--	--	--	100.0	11-00	--
10N04E26CBC1	Sonny Bonds	220	18.4	03-14	202	22.0	11-00	- 3.6
11N01E21DDC1	Fullbright	232	59.5	03-16	173	64.9	11-00	- 5.4
11N01E34CA	Paul Wolf	235	--	--	--	70.5	11-00	--
11N02E01DD	Rice Lee Vanausdall	245	--	--	--	100.0	11-00	--
11N02E10CB	Joe Guziewez	245	--	--	--	97.0	11-00	--
11N02E30BBB1	Sonny Wolf	239	79.5	03-16	160	83.0	11-00	- 3.5
11N02E34CB	Claude Heeb	240	90.0	03-14	150	92.0	11-00	- 2.0
11N03E11DDD1	Larry Bryan	262	--	--	--	117.0	11-00	--
11N03E13CAA1	Lafarrel Wess	270	109.8	03-16	160	111.3	11-00	- 1.5
11N03E30DDC1	Johny Branum	240	84.0	03-16	156	86.5	11-00	- 2.5
11N04E23CBC1	Mrs. Earl Whitaker	215	22.0	03-14	193	25.5	11-00	- 3.5
11N04E36ABA1	Hyneman	211	11.8	03-14	199	14.5	11-00	- 2.7
11N07E18BC	Lewis Wood	213	10.0	03-15	203	--	--	--
12N01E22DAB1	Vernon Walker	235	56.5	03-16	179	60.0	11-00	- 3.5
12N02E25DCC1	Wimpy Farms	245	85.2	03-14	160	89.7	11-00	- 4.5

POINSETT COUNTY--Continued

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
12N02E34CC	Elmer Cooper	245	92.0	03-14	153	94.0	11-00	- 2.0
12N03E01CCA1	Skip Covington	250	83.7	03-16	166	80.7	11-00	- 3.0
12N03E04DAD1	Hall	248	81.5	03-16	167	85.5	11-00	- 4.0
12N04E08DA	Doug Wittingham	250	--	--	--	75.0	11-00	--
12N04E15AAA1	B.L. Evans	225	20.7	03-14	204	23.5	11-00	- 2.8
12N05E16AAA1	L.B. Terry	221	7.9	03-14	213	10.8	11-00	- 2.9
12N06E31ADD1	Charles Woodruff	218	7.0	03-14	211	11.5	11-00	- 4.5
12N07E10CBB1	Weems	220	9.0	03-14	211	15.0	11-00	- 6.0

POINSETT COUNTY--Continued

PRAIRIE COUNTY

01N06W28	Uhiren Farm	221	108.0	04-26	113	111.5	10-26	- 3.5
01N06W34	Eddie Lisko	223	104.0	04-26	119	108.3	10-26	- 4.3
02N06W07	L.F. Smith	237	123.5	04-28	114	124.0	10-26	- .5
02N06W08	L.D. Branch	235	115.5	04-29	120	116.9	10-26	- 1.4
03N05W05	Jerry DeVorak	212	69.0	04-26	143	70.3	10-25	- 1.3
03N06W17	E.H. Bednar	216	68.5	04-28	148	70.2	10-28	- 1.7
04N05W13	Delta Trust	210	61.5	04-29	149	68.3	10-26	- 6.8
04N05W14	Buck Uland	205	31.0	04-26	174	38.6	10-25	- 7.6
04N05W18	Noble Dicks	210	67.5	04-29	143	68.4	10-25	- .9
04N05W19	Duke Morton	212	71.5	04-29	141	74.4	10-25	- 2.9

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
PRAIRIE COUNTY--Continued								
04N05W21	Skarda Farms	210	65.3	04-26	145	71.9	10-28	138
04N05W27	Skarda Farms	205	48.5	04-26	157	54.7	10-28	150
04N05W30	William Bell	213	72.5	04-29	141	73.4	10-28	140
04N06W08	Reuben Kennedy	202	52.5	04-29	150	53.3	10-26	149
04N06W09	M.V. Owens	204	52.0	04-29	152	52.9	10-26	151
04N06W12	Delta Trust	205	67.0	04-29	138	68.3	10-25	137
04N06W23	George Ford	215	72.0	04-29	143	76.2	10-25	139
04N06W24	William Bell	213	--	--	--	78.7	10-28	134
04N06W24A	William Bell	214	78.0	04-29	136	--	--	--
04N07W06	J.E. Bell	210	45.0	04-28	165	45.1	10-28	165
04N07W33	Mickey Graham	254	91.5	04-28	163	92.1	10-28	162
05N05W20	John Stephens	190	29.0	04-26	161	30.9	10-25	159
05N05W23	V.O. Calhoun	200	26.0	04-26	174	36.2	10-25	164
05N05W24	M. Calhoun	187	9.0	04-26	178	25.1	10-25	162
05N05W25	M. Calhoun	185	11.0	04-26	174	27.0	10-25	158
05N05W28	F. Calhoun	192	31.5	04-26	161	30.8	10-25	161
01S04W28	Ray Vester	206	94.0	04-26	112	96.1	10-26	110
02S06W14	C. Patterson	200	53.0	04-26	147	69.4	10-16	131
RANDOLPH COUNTY								
18N01E01ABA1	John Bennett	266	9.3	05-05	257	--	--	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
18N01E13BAB1	Lamb Bros.	266	11.5	05-05	255	11.7	11-10	254	-.2
18N01E25BAB1	Mrs. D.W. Fender	265	9.7	05-05	255	10.3	11-16	255	-.6
18N01E27D	Fender	259	11.2	05-05	248	--	--	--	--
18N01E28BAC1	Sherman Jones	259	20.0	05-05	239	14.7	11-02	244	5.3
18N01E29BAA1	B.R. James	255	20.0	05-05	235	17.3	11-02	238	2.7
18N01E34CCD1	J.D. Blankenship	262	12.2	05-05	250	16.8	11-02	245	4.6
18N02E02CBA1	Terry Robinette	277	19.4	05-05	258	28.2	11-10	249	8.8
18N02E06BDB1	B.R. James	265	21.0	05-05	244	14.9	11-10	250	6.1
18N02E14BCB1	S. Morgan	274	22.1	05-05	252	22.7	11-10	251	-.6
18N02E17CBB1	Milton Lemmons	265	11.0	05-05	254	12.7	11-10	252	1.7
18N02E20BAA1	B.R. James	275	44.0	05-05	231	25.4	11-10	250	18.6
18N02E21CAA1	Bobby Crisler	273	23.3	05-05	250	25.6	11-10	247	2.3
18N02E25CAB1	A. Ford Estate	270	24.0	05-00	246	23.6	11-10	246	.4
18N02E27CAB1	B. French	271	24.2	05-05	247	12.8	11-10	258	11.4
18N02E32ABB1	Bobby Crisler	271	22.7	05-05	248	22.1	11-10	249	.6
19N02E04ADD1	Carlton Thraesch	267	7.8	05-04	259	9.8	11-09	257	2.0
19N02E09ABA1	Bernard Baltz	266	5.9	05-04	260	--	--	--	--
19N02E22DAD1	Alan Rodgers	265	5.2	05-05	260	10.7	11-09	254	5.5
20N02E01DAC1	Dan Joe Wren	281	10.4	05-04	271	5.7	11-09	275	4.7
20N02E14ADA1	Bill Johnston	274	7.9	05-04	266	12.8	11-09	261	4.9
20N02E28BCD1	Dan Joe Wren	269	5.0	05-04	264	7.2	11-09	262	2.2
20N03E06DAC1	Dan Joe Wren	280	9.5	05-04	271	14.2	11-09	266	4.7
20N03E07AAD1	Dan Joe Wren	281	15.0	05-04	266	17.7	11-09	263	2.7

RANDOLPH COUNTY--Continued

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
RANDOLPH COUNTY--Continued									
20N03E29CBC1	Lamb Bros.	280	20.2	05-05	260	24.1	11-10	256	- 3.9
20N03E33CAC1	Lamb Bros.	287	21.4	05-05	266	21.7	11-09	265	- .3
20N03E33CCA1	Lamb Bros.	287	20.2	05-05	267	21.8	11-09	265	- 1.6
ST. FRANCIS COUNTY									
04N01E01DAC1	Terry McGraw	210	50.0	03-30	160	51.0	09-28	159	- 1.0
04N01E05AAC1	O.P. Hammons	205	52.5	03-30	153	52.0	09-28	153	.5
04N01E17DCB1	H. Watkin	210	56.0	03-30	154	59.0	09-28	151	- 3.0
04N01E24DAD1	Raymond Ealey	210	66.5	04-06	144	68.0	09-28	142	- 1.5
04N01W20BBB1	McKinney Dixon	200	47.8	03-30	152	52.5	09-28	148	- 4.7
04N01W25DBC1	Libbie Pleasants	205	60.2	03-30	145	58.0	09-28	147	- 2.2
04N02E20ACC1	Earl Gore	210	49.0	03-30	161	50.0	09-28	160	- 1.0
04N04E15ABA1	Lakeside Farms	200	30.0	04-04	170	33.0	09-27	167	- 3.0
04N05E05AAA1	Joe K. Meurrrier	210	28.0	04-04	182	--	--	--	--
05N01E04BBA1	C.E. West	210	45.0	04-04	165	47.0	09-27	163	- 2.0
05N01E06DAD1	Freda Hardin	211	54.0	04-04	157	51.0	09-27	160	- 3.0
05N02E04BCC1	Delton Cummings	210	42.0	04-04	168	47.5	09-27	163	- 5.5
05N03E18DCD1	Bryan Holmes	210	64.0	04-06	146	64.0	09-27	146	.0
05N04E26B	W.B. Burch	200	22.0	04-04	178	24.0	09-27	176	- 2.0
05N05E21CBA1	Sid Fogg	195	--	--	--	29.5	09-27	166	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
ST. FRANCIS COUNTY--Continued									
05N06E05BBB1	W.C. Casey	195	20.6	04-04	174	27.5	09-27	168	- 6.9
06N01E23BDC1	Pine Tree Exp. Station	210	53.0	04-04	157	54.0	09-27	156	- 1.0
06N02E16CCB1	John Drury	210	49.0	04-04	161	51.0	09-27	159	- 2.0
06N02E18BAA1	Calvin Frazier	210	45.5	04-04	165	42.0	09-27	168	3.5
06N04E36CDC1	David Blaylock	200	25.5	04-04	175	32.0	09-27	168	- 6.5
06N05E28ACD1	Louis Walker	203	30.0	04-04	173	31.5	09-27	172	- 1.5
06N06E20AAA1	Steve Bernard	205	21.5	04-04	184	27.0	09-27	178	- 5.5
WHITE COUNTY									
06N04W07BBC1	V. Johnston	205	17.5	04-26	188	23.0	10-26	182	- 5.5
06N06W04BAB1	E. Vaughn	221	41.4	04-26	180	46.0	10-26	175	- 4.6
06N06W13BAD1	B. Duch	213	38.5	04-26	175	40.9	10-26	172	- 2.4
06N06W18BCA1	C. Powell	210	23.4	04-26	187	32.0	10-26	178	- 8.6
WOODRUFF COUNTY									
05N01W03ACA1	Ashburn	215	49.8	04-13	165	52.1	10-25	163	- 2.3
05N01W13DDC1	Melvin	210	55.5	04-13	155	58.8	10-25	151	- 3.3

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1988 and fall 1988--Continued

Location	Land owner	Spring 1988			Fall 1988			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
WOODRUFF COUNTY--Continued									
05N01W31BCB1	Wilks	210	49.6	04-13	160	51.7	10-25	158	- 2.1
05N02W13ABD1	Kennedy	195	28.5	04-13	167	31.1	10-25	164	- 2.6
05N03W25DDB1	McMullan	190	9.7	04-12	180	13.8	10-25	176	- 4.1
05N03W31CBA1	Gardner	178	2.0	04-12	176	6.4	10-25	172	- 4.4
06N02W19AAA1	Daniels	225	42.5	04-12	183	45.6	10-25	179	- 3.1
06N04W22BDA1	Rodgers	186	1.5	04-12	185	10.0	10-25	176	- 8.5
07N01W04DBB1	Childress	225	49.2	04-13	176	51.5	10-25	174	- 2.3
07N02W16DBB1	Burkett	206	19.3	04-12	187	20.2	10-25	186	- .9
07N03W05ACA1	Bowen	213	24.0	04-12	189	22.1	10-25	191	- 1.9
07N03W06DBB1	Sloan Valve	212	19.7	04-13	192	20.7	09-29	191	- 1.0
07N03W31BBA1	Gregory	200	7.9	04-12	192	12.5	10-25	188	- 4.6
08N01W06CCD1	Myers	220	30.9	04-13	189	34.0	10-25	186	- 3.1
08N01W10AAA1	Young	211	37.2	04-13	174	38.4	10-25	173	- 1.2
08N02W15ACA1	Jelks	209	15.8	04-12	193	18.6	10-25	190	- 2.8
08N02W27DDC1	Swanson	213	19.7	04-12	193	23.2	10-25	190	- 3.5
09N03N32ACA1	Fitzhugh	217	12.6	04-12	204	16.7	10-24	200	- 4.1
09N03W21DBD1	Dale	220	16.8	04-12	203	17.4	10-24	203	- .6
09N03W24DBC1	Rouse	212	4.7	04-12	207	8.4	10-24	204	- 3.7