

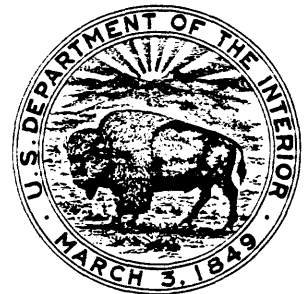
GROUND-WATER LEVELS IN THE ALLUVIAL AQUIFER
IN EASTERN ARKANSAS, 1984

By Maria Plafcan

U.S. GEOLOGICAL SURVEY

Open-File Report 85-569

Prepared in cooperation with the
ARKANSAS SOIL AND WATER CONSERVATION COMMISSION,
the U.S. SOIL CONSERVATION SERVICE and
LOCAL CONSERVATION DISTRICTS



Little Rock, Arkansas

1985

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information
write to:

District Chief
U.S. Geological Survey
Water Resources Division
2301 Federal Office Building
Little Rock, Arkansas 72201

Copies of this report can be
purchased from:

Open-File Services Section
Western Distribution Branch
Box 25425, Federal Center
Denver, Colorado 80225
Telephone: (303) 236-7476

CONTENTS

	<u>Page</u>
Abstract.....	1
Introduction.....	2
Data.....	5
Well-numbering system.....	6
Selected references.....	8

FIGURES

1. Map showing location of study area.....	3
2. Diagram showing well-numbering system.....	7

TABLE

Table 1. Measurements of water levels in wells completed in the alluvial aquifer.....	9
--	---

CONVERSION FACTORS

For use of readers who prefer to use metric units, conversion factors for terms used in this report are listed below:

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
foot (ft)	0.3048	meter (m)

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, called NGVD of 1929, is referred to as sea level in this report.

GROUND-WATER LEVELS IN THE ALLUVIAL AQUIFER
IN EASTERN ARKANSAS, 1984

by Maria Plafcan

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 results of ground-water level measurements made in 452 wells tapping the Mississippi River Valley Alluvial Plain aquifer of eastern Arkansas. The measurements were made by local Conservation Districts during 1984. The purpose of this report is to provide these data to other State and Federal agencies as well as private landowners.

The deepest water levels occurred in Lonoke County. The shallowest occurred in Mississippi County. On the average, a decline of 2.5 feet in water levels was observed throughout the study area after the pumping season.

INTRODUCTION

The aquifer contained in the Quaternary deposits of the Mississippi River Valley Alluvial Plain, herein referred to as the alluvial aquifer, is an important source of water for irrigation in eastern Arkansas. This report was prepared as part of the East Arkansas Water Conservation Project, a cooperative effort with the Arkansas Soil and Water Conservation Commission (ASWCC), the U.S. Soil Conservation Service (SCS), and local Conservation Districts to conduct studies that would help further define the hydrologic characteristics of the alluvial aquifer. The U.S. Geological Survey maintains a network of monitor wells in the alluvial aquifer in eastern Arkansas in cooperation with the Arkansas Geological Commission and has monitored the water levels each spring prior to the pumping season for several years. In 1984, this network was enhanced by another network of monitor wells in the alluvial aquifer measured by the U.S. Soil Conservation Service with technical advice and coordination provided by the U.S. Geological Survey. The purpose of this report is to present results of water-level measurements made by the U.S. Soil Conservation Service personnel before and after the pumping season of 1984 and to provide these data to other State and Federal agencies as well as to private landowners.

The water levels in 452 wells in the alluvial aquifer recorded in table 1 reflect the pre-pumping and post-pumping conditions during 1984, and will be used in conjunction with measurements made by the U.S. Geological Survey to prepare maps showing water levels in eastern Arkansas for 1984. These water-level measurements are not stored in the U.S. Geological Survey's WATSTORE ground-water file system but are stored in local computer files of the U.S. Geological Survey. Figure 1 shows the study area.

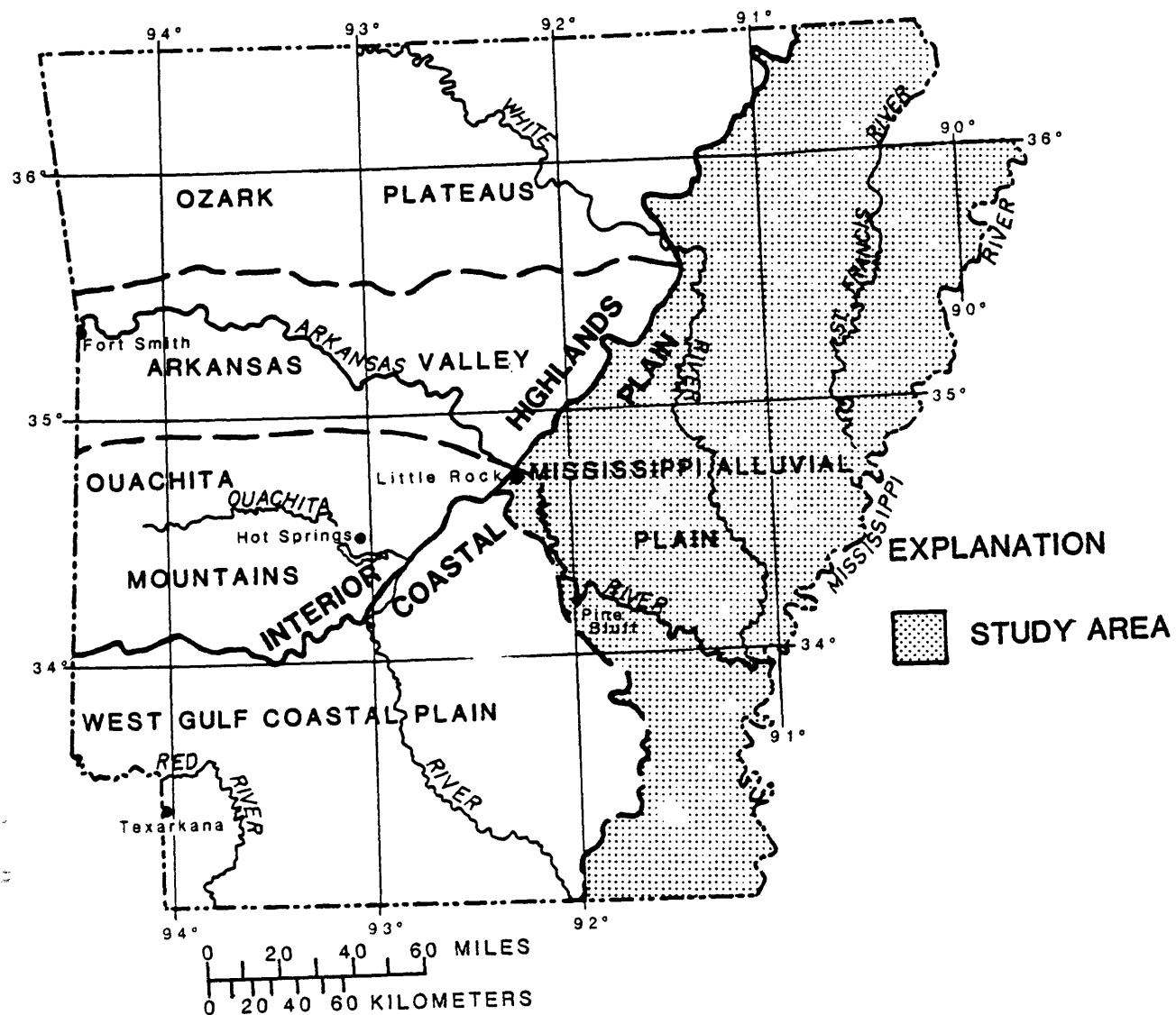


Figure 1.—Location of study area.

The deepest water levels occurred in Lonoke County. Some water levels in the county were at depths greater than 100 feet below land surface. The shallowest water levels occurred in Mississippi County where all water levels were within 10 feet of land surface. Water levels were, on the average, 2.5 feet lower during the post-pumping (recovery) period than during the pre-pumping period.

DATA

Table headings used in the report are defined as follows:

Location: Township, range, and section number designation of well.

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 were made with a chalked steel tape and are accurate to within 0.10 foot.

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

Net change: Difference between the spring and fall 1984 altitude of water level. Symbol preceding number indicates a decline (-) or a rise (+) in water levels in the well during the period.

WELL-NUMBERNG 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 03S04W03DCA16 (fig. 2) is located in Township 3 South, Range 4 West, and in the northeast quarter of the southwest quarter of the southeast quarter of section 3. This well is the 16th well in this quarter-quarter-quarter section of section 3 from which data were collected.

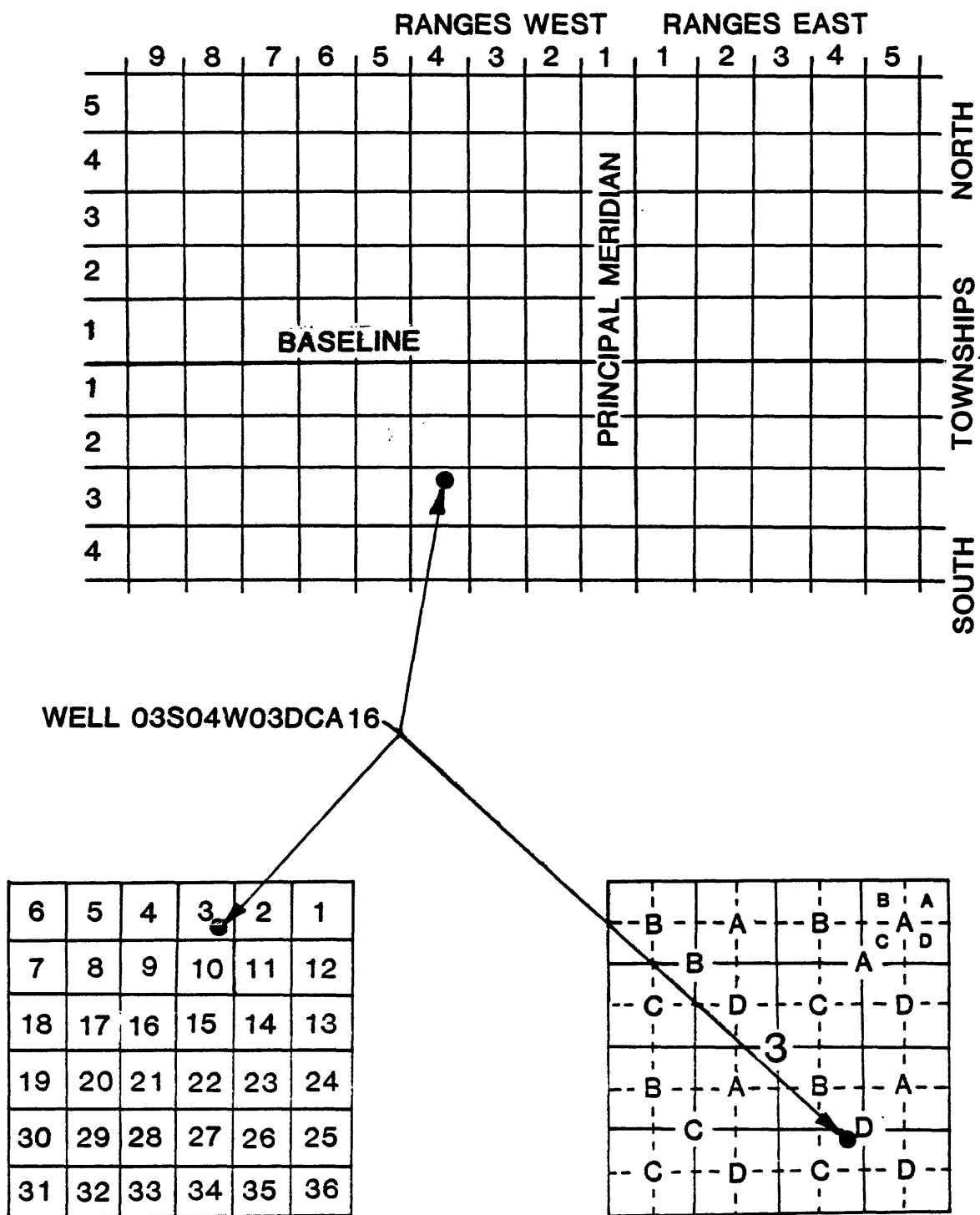


Figure 2.--Well numbering system.

SELECTED REFERENCES

- Edds, Joe, 1984, Ground-water levels in Arkansas, spring 1984: U.S. Geological Survey Open-File Report 84-711, 58 p.
- Edds, Joe, and Fitzpatrick, D. J., 1984, Maps showing altitude of the potentiometric surface and changes in water levels of the alluvial aquifer in eastern Arkansas, spring 1983: U.S. Geological Survey Water-Resources Investigations Report 84-4264, 1 sheet.

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984				NET CHANGE
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL (FEET)	ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL (FEET)			
CHICOT COUNTY										
13S03W22DC	M. Sherland	135	28.0	05-21	107.0	25.6	11-09	109.4	+ 2.4	
13S03W27AA	B. Brasel	138	20.0	05-21	118.0	30.8	11-09	107.2	-10.8	
14S02W10BB	J. Golden	130	22.5	05-21	107.5	29.1	11-09	100.9	- 6.6	
14S02W18BB	B.F.W. Dev. Corp.	130	25.1	05-21	104.9	26.7	11-08	103.3	- 1.6	
14S03W11DC	J. Ethridge	135	19.2	05-21	115.8	27.7	11-08	107.3	- 8.5	
15S01W07BD	T. Rocconi	126	20.6	05-30	105.4	19.8	11-14	106.2	+ 0.8	
15S01W29DA	R. Baskett	125	18.0	05-25	107.0	19.2	11-08	105.8	- 1.4	
15S03W16DD	W. Gosney	120	25.1	05-24	94.9	26.5	11-08	93.5	- 1.4	
15S03W18CB	R.C. Greenway	123	26.5	05-24	96.5	28.0	11-09	95.0	- 1.5	
16S01W04DA	R.E. Dunavant	122	4.0	05-25	118.0	14.0	11-08	108.0	-10.0	
16S01W34CD	E. Vaughn	115	7.9	05-25	107.1	6.2	11-14	108.8	+ 1.7	
16S02W12DC	A. Pieroni	122	12.3	05-25	109.7	-----	-----	-----	--	
17S01W06BC	B. Powell	120	16.5	05-18	103.5	22.6	11-05	97.4	- 6.1	
17S01W19DB	K. Patrick	118	8.5	05-07	109.5	10.3	11-15	107.7	- 1.8	
17S02W12DD	J. Gates	110	18.0	05-18	92.0	23.2	11-14	86.8	- 5.2	
17S02W13DD	G. Pugh	112	22.4	05-24	89.6	28.1	11-09	83.9	- 5.7	
17S02W17CC	L. Pierce	110	19.5	05-07	90.5	22.6	11-14	87.4	- 3.1	
17S03W18CD	G. Pugh	115	21.5	05-24	93.5	26.3	11-09	88.7	- 4.8	
18S01W33AC	T. Dixon	115	8.6	05-18	106.4	14.9	11-14	100.1	- 6.3	
18S02W09BD	H.F.S.	117	21.1	05-18	95.9	37.2	11-05	79.8	-16.1	
18S02W11DA	G. Wilson	126	28.2	05-22	97.8	29.5	11-05	96.5	- 1.3	
18S03W08CD	J. Blansett	106	21.4	05-24	84.6	19.2	11-14	86.8	+ 2.2	
18S03W18DD	B. McKee	105	13.2	05-24	91.8	15.8	11-14	89.2	- 2.6	
18S03W19AC	B. McKee	105	13.3	05-24	91.7	16.4	11-14	88.6	- 3.1	
19S01W05BC	C. Grubbs	107	8.6	05-18	98.4	15.2	11-09	91.8	- 6.6	
19S02W14BB	B. Hopper	126	8.2	05-24	117.8	-----	-----	-----	--	
19S03W12BC	H. Stokes	113	25.6	05-24	87.4	28.7	11-08	84.3	- 3.1	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984			
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		
				FEET	DATE		FEET	DATE	
									FEET
CLAY COUNTY									
19N04E11AA	Joe Dodd	280	12.8	05-14	267.2	15.5	09-12	264.5	- 2.7
19N06E18DB	Leroy Cruce	293	18.4	05-14	274.6	-----	-----	-----	---
19N07E25CB	Lynn Wimberly	268	15.5	05-22	252.5	-----	-----	-----	---
19N08E17BA	Don Kirklin	263	8.0	05-14	255.0	9.7	09-11	253.3	- 1.7
19N09E19CC	Frank Thrasher	265	5.9	05-22	259.1	-----	-----	-----	---
20N04E03AA	Quinn Brown	290	11.5	05-14	278.5	16.5	09-12	273.5	- 5.0
20N05E15AC	Odell Richardson	291	18.2	05-14	272.8	23.3	09-12	267.7	- 5.1
20N06E09BB	Leon Cates	290	10.4	05-22	279.6	17.0	09-11	273.0	- 6.6
20N06E28DC	Harold Bauschlicher	290	17.7	05-14	272.3	19.2	09-12	270.8	- 1.5
20N09E09BA	Jess Hill	279	4.4	05-22	274.6	13.0	09-11	266.0	- 8.6
21N03E15CC	Joe Lewis	292	6.5	05-14	285.5	15.2	09-12	276.8	- 8.7
21N03E36DC	O.E. Davis	290	11.0	05-14	279.0	14.8	09-12	275.2	- 3.8
21N04E09AD	Buel Turner	291	6.7	05-14	284.3	10.9	09-12	280.1	- 4.2
21N06E09BB	John Holifield	292	4.0	05-22	288.0	12.0	09-11	280.0	- 8.0
21N07E01CC	Dave Lawrence	303	10.0	05-22	293.0	14.0	09-11	289.0	- 4.0
21N07E19BD	Junior Allman	295	11.4	05-22	283.6	-----	-----	-----	---
21N08E03CC	Ricky Jones	310	19.9	05-22	290.1	29.3	09-11	280.7	- 9.4
CRAIGHEAD COUNTY									
13N01E03AA	Joy Ledbetter	240	37.6	06-05	202.4	37.9	11-13	202.1	- 0.3
13N01E33BD	C.C. Ellis	240	39.3	06-05	200.7	39.0	11-13	201.0	+ 0.3
13N02E02AA	Mrs. Charles Bishop	251	68.4	06-05	182.6	71.0	11-13	180.0	- 2.6
13N03E23CD	Earl Hill	249	67.8	06-10	181.2	69.4	11-09	179.6	- 1.6
13N04E15DC	W.R. Carter	230	19.3	04-19	210.7	19.5	11-14	210.5	- 0.2
13N04E31CA	Margaret Pierson	250	60.0	06-06	190.0	60.8	11-14	189.2	- 0.8
13N05E06DC	Mildred Morrison	229	16.1	04-17	212.9	18.0	11-14	211.0	- 1.9
13N06E03AC	Noel Eggers	223	4.0	04-17	219.0	3.8	11-28	219.2	+ 0.2

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984					
		ALTITUDE LAND SURFACE ELEVATION (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

CRAIGHEAD COUNTY---CONTINUED												
13N06E21CB	Ed Ball	222	3.5	04-17	218.5	5.9	11-14	216.1	- 2.4			
13N07E22DB	Herbert Wood	220	4.3	04-17	215.7	3.0	11-29	217.0	+ 1.3			
14N01E10BA	Wayne Wiggins	246	31.2	06-05	214.8	34.0	11-07	212.0	- 2.8			
14N01E31DA	Raymond Crider	251	38.4	06-05	212.6	42.6	11-13	208.4	- 4.2			
14N02E15DD	Donald Williams	255	54.3	04-25	200.7	57.0	11-14	198.0	- 2.7			
14N02E16BC	Larry Burns	250	45.8	06-05	204.2	47.3	11-07	202.7	- 1.5			
14N05E29BA	Hellsboro Plaza, Inc.	236	15.3	04-19	220.7	18.0	11-07	218.0	- 2.7			
14N07E07BB	B. McFarlin	230	4.0	04-17	226.0	3.0	11-29	227.0	+ 1.0			
15N02E12AB	S.W. Knight	250	18.0	06-05	232.0	19.5	11-07	230.5	- 1.5			
15N05E15DD	Randolph Steele	253	20.7	04-19	232.3	23.3	11-07	229.7	- 2.6			
15N05E32AB	Ray Dooley	252	18.0	04-19	234.0	20.0	11-07	232.0	- 2.0			
15N06E04AB	Poley Schug	239	5.3	04-19	233.7	7.2	11-28	231.8	- 1.9			
15N07E11DA	Maurice Keich, Trust	235	6.0	04-17	229.0	6.2	11-29	228.8	- 0.2			
15N07E21DA	Urell Dudley	236	6.0	04-17	230.0	6.6	11-29	229.4	- 0.6			

CRITTENDEN COUNTY												
05N07E08DDA	Billy West	206	16.0	05-13	190.0	19.8	110-	186.2	- 3.8			
05N07E34BDB	Carlson	205	14.5	05-13	190.5	14.0	110-	191.0	+ 0.5			
07N06E08DAD	Billy Rogers	210	24.0	05-13	186.0	27.1	110-	182.9	- 3.1			
07N08E17BCB	L. McCuiston	212	20.0	05-13	192.0	21.4	110-	190.6	- 1.4			
08N06E01DCC	Sam Hatley	215	23.0	05-13	192.0	24.0	110-	191.0	- 1.0			
08N06E06BDA	George Watson	214	26.5	05-13	187.5	28.4	110-	185.6	- 1.9			
08N07E32DAD	Joe Marotti	215	21.0	05-13	194.0	22.0	110-	193.0	- 1.0			
09N07E02CCA	Ed Young	225	20.0	05-13	205.0	23.0	110-	202.0	- 3.0			
09N07E21CDD	E. Barnes	220	24.0	05-13	196.0	25.0	110-	195.0	- 1.0			
09N08E04CCB	Joe Boone	216	16.0	05-13	200.0	18.0	10-	198.0	- 2.0			

1 Only month is known.

1 Only month is known.

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984---CONTINUED

LOCATION	LAND OWNER	ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	SPRING 1984			FALL 1984			NET CHANGE	
			DEPTH TO WATER BELOW LAND SURFACE	DATE	FEET	ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE	DATE		ALTITUDE OF WATER LEVEL (FEET)
CROSS COUNTRY										
06 N02E12AAA	Hoyt Neill	235	61.0	03-19	174.0	64.0	09-04	171.0	- 3.0	
06 N04E01 BBB	Lucy Billingsley	205	30.0	03-20	175.0	31.5	09-05	173.5	- 1.5	
06 N05E02AAA	M & W Farms	205	29.0	03-20	176.0	29.0	09-05	176.0	0.0	
07 N01E05DCB	W.E. Plyler	215	55.0	03-19	160.0	55.0	09-04	160.0	0.0	
07 N01E33 BRA	Martin Ridley	215	59.0	03-19	156.0	57.0	09-04	158.0	+ 2.0	
07 N02E10ABB	E.R. Rolfe	225	64.5	03-19	160.5	66.0	09-04	159.0	- 1.5	
07 N02E29DDC	Martha Ellis	220	52.0	03-19	168.0	53.0	09-04	167.0	- 1.0	
07 N03E05AAD	Gloria Borell	255	95.0	03-19	160.0	95.0	09-04	160.0	0.0	
07 N04E03 BDA	L. Hickey	205	25.0	03-20	180.0	27.0	09-05	178.0	- 2.0	
07 N04E07AAA	Jimmy Wilkins	222	44.3	03-27	177.7	31.5	09-05	190.5	+12.8	
07 N05E02AAB	O.C. Houser	210	26.0	03-20	184.0	29.0	09-05	181.0	- 3.0	
07 N05E09DBC	C.W. Martin	210	31.0	03-20	179.0	33.0	09-05	177.0	- 2.0	
07 N05E25ARA	H.F. Sloan	205	23.0	03-20	182.0	27.5	09-04	177.5	- 4.5	
08 N01E16DBB	Myrtle Kemp	225	53.5	03-19	171.5	54.5	09-04	170.5	- 1.0	
08 N02E12DCC	Donald Rolland	230	67.5	03-19	162.5	69.5	09-04	160.5	- 2.0	
08 N02E17BAA	L.V. Diebold	225	64.0	03-19	161.0	64.0	09-04	161.0	0.0	
08 N03E15 BBB	Otis Adams	265	98.5	03-19	166.5	103.5	09-04	161.5	- 5.0	
08 N04E27ABB	Kenneth Thompson	205	23.0	03-20	182.0	22.0	09-05	183.0	+ 1.0	
09 N01E04ACD	Virginia Reinhart	225	70.0	03-19	155.0	65.0	09-04	160.0	+ 5.0	
09 N01E33 BRA	Rebecca Fisher	225	57.5	03-19	167.5	63.0	09-04	162.0	- 5.5	
09 N01E36AAB	Curtis Hagler	225	70.5	03-19	154.5	64.0	09-04	161.0	+ 6.5	
09 N02E20AAA	Fay Imboden	230	59.5	03-19	170.5	60.0	09-04	170.0	- 0.5	
09 N03E03ACC	Lou Stadler	250	85.0	03-19	165.0	91.0	09-04	159.0	- 6.0	
09 N03E17CDD	Millard Carter	245	79.0	03-19	166.0	79.0	09-04	166.0	0.0	
09 N04E03DBB	John Brown	215	23.0	03-20	192.0	27.0	09-05	188.0	- 4.0	
09 N04E33ADB	Anne Quessenbury	205	23.0	03-20	182.0	26.0	09-05	179.0	- 3.0	
09 N05E10ACC	John Collier	210	21.0	03-20	189.0	20.0	09-05	190.0	+ 1.0	
09 N05E32BDB	Elizabeth Johnston	210	24.0	03-20	186.0	26.5	09-05	183.5	- 2.5	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984			
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		
				FEET	DATE		FEET	DATE	
									FEET
DESHA COUNTY									
09S01W15CBB	Baxter Land Co.	152	8.0	05-18	144.0	15.5	-----	136.5	- 7.5
09S02W17CBC	Beegle	153	22.0	05-18	131.0	22.8	-----	130.2	- 0.8
09S03W35DCB	Ross Hopman	156	11.0	05-18	145.0	20.9	-----	135.1	- 9.9
10S01W23DBC	Simpson	146	3.0	05-22	143.0	9.3	10-31	136.7	- 6.3
10S02W23DBC	Baxter Land Co.	153	21.7	05-22	131.3	21.6	-----	131.4	+ 0.1
10S04W11BBA	Pickens	161	29.0	05-22	132.0	31.5	11-01	129.5	- 2.5
10S04W16CCA	Pickens	159	18.0	05-22	141.0	21.7	-----	137.3	- 3.7
11S02W15BAD	Tucker	148	20.0	05-22	128.0	25.9	-----	122.1	- 5.9
11S02W31DAA	Johnson	147	25.1	05-24	121.9	18.5	-----	128.5	+ 6.6
12S03W30BCD	Powell	141	24.0	05-24	117.0	27.4	-----	113.6	- 3.4
12S04W25ABC	Powell	140	31.5	05-23	108.5	28.4	-----	111.6	+ 3.1
13S02W05CDG	Gilliam	146	36.4	05-24	109.6	38.4	-----	107.6	- 2.0
13S02W08DCD	Gilliam	144	31.0	05-23	113.0	35.8	-----	108.2	- 4.8
13S02W32DBD	Deltic	135	33.5	05-24	101.5	34.7	-----	100.3	- 1.2
13S03W11CAB	McDonald	142	25.1	05-24	116.9	36.5	-----	105.5	-11.4
DREW COUNTY									
11S04W31ABC	Peterson	152	13.3	05-11	138.7	15.0	09-20	137.0	- 1.7
12S04W25DBB	Hogue	147	20.5	05-09	126.5	22.4	09-20	124.6	- 1.9
12S05W04AAB	R.D. Jones	182	38.9	05-11	143.1	33.0	09-20	149.0	+ 5.9
13S04W03CDB	Tabor	148	18.2	05-09	129.8	18.9	09-20	129.1	- 0.7
13S04W29CAB	Ogles	135	7.4	05-11	127.6	12.2	09-20	122.8	- 4.8
13S04W32CAD	Henke	132	21.1	05-09	110.9	18.5	09-20	113.5	+ 2.6
13S06W21DAA	Reinhart	207	70.3	05-09	136.7	72.2	09-20	134.8	- 1.9
14S04W27AAB	Orrell	135	24.9	05-09	110.1	25.7	09-20	109.3	- 0.8

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984---CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984			
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		NET CHANGE
				FEET	DATE		FEET	DATE	
GREENE COUNTY									
16N05E27DBB	McLaughlin	290	16.0	03-29	274.0	20.0	11-20	270.0	- 4.0
17N03E28CDB	Dulaney	260	15.0	04-05	245.0	16.3	11-21	243.7	- 1.3
17N03E28DCD	Gillman	270	19.5	05-03	250.5	21.0	11-28	249.0	- 1.5
17N03E29ABB	Jumper	255	16.2	04-05	238.8	17.2	11-21	237.8	- 1.0
17N04E19DRA	Boyd	270	18.5	05-03	251.5	-----	-----	-----	--
17N06E22CRA	Frankum	265	26.7	03-29	238.3	28.0	11-23	237.0	- 1.3
17N07E03CCC	Alexander	245	4.5	03-29	240.5	4.5	11-20	240.5	0.0
17N07E29CBB	Thomas	244	4.5	03-29	239.5	5.5	11-20	238.5	- 1.0
18N07E17RAB	Lewis	260	16.5	05-09	243.5	8.0	11-23	252.0	+ 8.5
18N08E29CRA	Hill	250	4.5	04-05	245.5	6.3	11-02	243.7	- 1.8
19N04E30DBB	C.H. Daughette	276	23.0	05-11	253.0	24.0	11-21	252.0	- 1.0
19N05E33DDD	Howe	287	23.5	05-10	263.5	25.0	11-23	262.0	- 1.5
19N05E34BDD	Lange	282	22.5	05-10	259.5	25.0	11-23	257.0	- 2.5
INDEPENDENCE COUNTY									
11N04W02ABB	Jerry Roberson	227	9.0	04-27	218.0	11.4	10-30	215.6	- 2.4
11N04W06ABB	David Pankey	230	2.2	04-24	227.8	5.7	10-30	224.3	- 3.5
12N05W36ABA	Don Kramer	235	16.5	04-23	218.5	19.9	10-30	215.1	- 3.4
14N03W12CCB	Laverne Dickey	231	1.0	04-25	230.0	6.4	10-23	224.6	- 5.4
14N03W14CBB	Jim Barnett	228	2.5	04-25	225.5	2.9	10-23	225.1	- 0.4

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984						
		ALTITUDE LAND SURFACE ELEVATION (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	
JACKSON COUNTY												
09N01E18C	D. Muncer	215	---	---	---	---	---	---	---	---	---	---
09N01W15D	M.P. Murphee	222	38.0	04-08	---	184.0	45.2	08-23	176.8	---	---	- 7.2
09N01W30B	Calvin Fields	210	---	---	---	---	34.8	08-23	175.2	---	---	---
09N02W11C	Pete Guinn	221	---	---	---	---	12.0	08-24	209.0	---	---	---
09N02W32B	B.J. Hardin	224	---	---	---	---	24.3	08-23	199.7	---	---	---
10N01W02C	W.E. Jackson	230	44.0	05-09	---	186.0	47.0	08-23	183.0	---	---	- 3.0
10N01W04	W.C. Neeley	225	40.0	03-21	---	185.0	41.8	08-23	183.2	---	---	- 1.8
10N01W05	Charlie McCartney	227	35.0	04-04	---	192.0	35.5	08-23	191.5	---	---	- 0.5
10N01W10A	Johnson Farm	220	41.0	03-21	---	179.0	45.1	08-23	174.9	---	---	- 4.1
10N01W14C	J. Winemiller	228	48.0	05-09	---	180.0	52.0	08-23	176.0	---	---	- 4.0
10N01W27A	J. Kieffer	225	43.0	04-06	---	182.0	47.0	09-17	178.0	---	---	- 4.0
10N02W29	Jack Kent	226	16.0	05-01	---	210.0	19.0	08-31	207.0	---	---	- 3.0
10N03W11	Oscar Turner	214	---	---	---	---	9.3	08-23	204.7	---	---	---
10N03W30C	Kenny Falwell	222	---	---	---	---	24.0	08-20	198.0	---	---	---
10N03W34C	McDonald	209	8.0	06-30	---	201.0	19.0	08-23	190.0	---	---	-11.0
11N01W25B	Davis Bros.	231	50.0	04-06	---	181.0	52.6	08-23	178.4	---	---	- 2.6
11N02W09	Andy Doyle	233	22.0	04-04	---	211.0	22.5	08-23	210.5	---	---	- 0.5
11N02W23D	J.D. Huey	226	15.0	04-04	---	211.0	20.6	08-23	205.4	---	---	- 5.6
11N03W05B	S. Haigood	227	21.0	02-09	---	206.0	24.0	08-06	203.0	---	---	- 3.0
11N03W18C	Rutledge Bros.	218	---	---	---	---	8.2	11-28	209.8	---	---	---
12N01W11B	Joe Edwards	233	---	---	---	---	---	---	---	---	---	---
12N01W11C	Phillips	232	21.0	03-21	---	211.0	---	---	---	---	---	---
12N01W30C	Floyd Coleman	232	20.0	04-04	---	212.0	21.2	08-24	210.8	---	---	- 1.2
12N01W36	W.R. Lofton	236	---	---	---	---	---	---	---	---	---	---
13N01W23B	Jim Thomas	243	25.0	03-21	---	218.0	---	---	---	---	---	---
13N02W22	Holden-Conners	240	14.6	04-04	---	225.4	16.8	08-06	223.2	---	---	- 2.2

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984---CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984			
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE
			BELOW	LAND SURFACE		BELOW	LAND SURFACE		
			LAND	DATE	FEET	LAND	DATE	FEET	
JACKSON COUNTY---CONTINUED									
13N02W34C	James Young	240	14.0	06-30	226.0	16.0	08-14	224.0	- 2.0
13N03W15	Taylor Estate	235	13.5	04-04	221.5	17.8	08-06	217.2	- 4.3
13N03W36	S. Graham	235	12.5	04-04	222.5	13.8	08-06	221.2	- 1.3
14N01W01C	Paul Bennett	248	27.0	03-21	221.0	30.4	11-20	217.6	- 3.4
14N01W08A	Lynn Nicholson	253	23.0	03-21	230.0	23.2	11-20	229.8	- 0.2
14N01W19	W.D. Hulett	245	19.5	04-06	225.5	23.8	08-06	221.2	- 4.3
14N01W26C	Leo Saenger	247	25.0	03-21	222.0	31.8	08-06	215.2	- 6.8
14N01W33C	Benny Templeton	247	21.0	03-23	226.0	26.8	08-06	220.2	- 5.8
14N02W12	W.I. Rainwater	251	22.0	04-04	229.0	25.7	08-06	225.3	- 3.7
14N02W22B	George Bradley	250	22.7	04-04	227.3	24.6	08-06	225.4	0.0
JEFFERSON COUNTY									
03S07W36ACC	Ned Brown	185	25.8	05-23	159.2	26.3	10-04	158.7	- 0.5
03S08W01ABB	C.H. Triplett	197	34.0	05-23	163.0	35.0	10-01	162.0	- 1.0
03S08W31CCB	Jimmy Blair	215	29.7	05-23	185.3	31.5	10-01	183.5	- 1.8
03S09W14BCD	Tucker Estate	224	32.7	05-23	191.3	32.9	10-01	191.1	- 0.2
03S09W27AAA	Tucker Estate	222	33.0	05-23	189.0	34.3	10-01	187.7	- 1.3
03S09W36	Payne Estate	215	28.0	05-23	187.0	28.7	10-01	186.3	- 0.7
03S10W25BBB	Bennett	215	7.0	05-23	208.0	-----	-----	-----	---
03S10W26DAD	Bennett	215	12.8	05-23	202.2	16.8	10-05	198.2	- 4.0
04S07W35DDB	Mark Shelton	185	27.7	06-07	157.3	20.1	10-04	164.9	+ 7.6
04S08W33DBB	Elms	212	27.6	06-07	184.4	29.1	10-01	182.9	- 1.5
04S09W01DAA	Jimmy Blair	213	28.8	05-23	184.2	30.8	10-01	182.2	- 2.0
04S09W32DCB	Jimmy Blair	215	17.7	05-23	197.3	18.8	10-01	196.2	- 1.1

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	SPRING 1984				FALL 1984			
			DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL			
				FEET	DATE		FEET	DATE		
									NET CHANGE	
JEFFERSON COUNTY--CONTINUED										
04S09W34DBA	Gunther	215	20.1	05-23	194.9	21.0	10-04	194.0	- 0.9	
05S07W35CDD	Steven Sites	195	17.8	06-07	177.2	18.3	10-02	176.7	- 0.5	
07S07W16CDB	J.B. Thompson	188	22.0	06-07	166.0	---	---	---	---	
07S07W18AAD	Hooker	188	13.0	06-07	175.0	22.0	10-01	166.0	- 9.0	
LAWRENCE COUNTY										
15N01E11DAA	---	255	28.2	04-16	226.8	---	---	---	---	
15N01E23DAD	---	250	25.6	04-16	224.4	---	---	---	---	
15N01E32AAB	---	255	34.1	04-16	220.9	---	---	---	---	
15N01W03BAB	---	259	26.1	04-17	232.9	---	---	---	---	
15N01W23BCD	---	255	26.2	04-16	228.8	---	---	---	---	
16N01E29BCC	---	260	28.0	04-16	232.0	---	---	---	---	
16N01E30DCC	---	260	31.1	04-16	228.9	---	---	---	---	
16N01E35AAA	---	256	26.7	04-16	229.3	---	---	---	---	
16N01W30DDC	---	255	16.1	04-17	238.9	---	---	---	---	
16N02E34CBA	---	255	24.4	04-16	230.6	---	---	---	---	
17N01E02BRA	---	260	9.4	04-16	250.6	---	---	---	---	
17N01E21CBC	---	265	14.0	04-16	251.0	---	---	---	---	
17N01E27AAA	---	270	24.1	04-13	245.9	---	---	---	---	
17N01W26BCB	---	260	14.4	04-17	245.6	---	---	---	---	
17N01W36AAB	---	257	8.2	04-13	248.8	---	---	---	---	
17N02E04ADD	---	270	26.8	04-16	243.2	---	---	---	---	
17N02E19CDD	---	265	26.1	04-16	238.9	---	---	---	---	
17N02E21AAG	---	268	28.8	04-26	239.2	---	---	---	---	
17N02E25CBD	---	265	22.6	04-16	242.4	---	---	---	---	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984---CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984			
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		NET CHANGE
				FEET	DATE		FEET	DATE	
LEE COUNTY									
01N01E09CCC	V.W. Williams	180	15.0	04-17	165.0	---	---	---	--
01N02E22CAA	Jimmy Manley	200	15.0	04-18	185.0	19.5	10-30	180.5	- 4.5
01N02E33CBB	Eugene Hindsley	185	6.0	04-17	179.0	8.0	10-30	177.0	- 2.0
01N02E33CCB	A.B. Thompson	185	6.0	04-17	179.0	8.6	10-30	176.4	- 2.6
02N01E18CBD	Steve Fowler	185	25.0	04-17	160.0	27.1	10-30	157.9	- 2.1
02N01W34CDA	A.J. Harvey	186	30.0	04-17	156.0	32.0	10-30	154.0	- 2.0
02N02E36DDC	Jane Cloyd	205	15.0	04-27	190.0	18.1	10-30	186.9	- 3.1
02N04E03ABD	Lon Mann	185	19.0	04-25	166.0	23.2	10-31	161.8	- 4.2
03N01E17ADC	Derward Byrd	200	53.0	04-17	147.0	52.6	10-30	147.4	+ 0.4
03N01E32BBC	Harlan Wilson	200	46.0	04-17	154.0	48.5	10-30	151.5	- 2.5
03N02E12CDC	Bernard Whitehead	210	41.0	04-04	169.0	----	----	----	--
03N02E24CAD	C.F. Tyson	205	35.0	04-04	170.0	36.0	10-30	169.0	- 1.0
03N03E11DCB	Faye Bullard	231	48.0	04-17	183.0	49.4	10-31	181.6	- 1.4
LINCOLN COUNTY									
07S06W03CCA	Katie Wood	190	12.0	05-10	178.0	15.0	11-29	175.0	- 3.0
07S07W36CBD	Joe Newton	185	19.0	05-10	166.0	24.0	11-29	161.0	- 5.0
08S04W28CAB	T.J. Cox	166	18.0	05-15	148.0	21.0	11-29	145.0	- 3.0
08S05W12DBA	R.L. Rogers	171	10.0	05-14	161.0	12.0	11-29	159.0	- 2.0
08S05W16DCD	Joel Garner	174	19.0	05-14	155.0	20.0	11-29	154.0	- 1.0
08S05W32DCC	Sue Halter	174	26.0	05-14	148.0	26.0	11-29	148.0	0.0
08S07W17ADB	Don Brown	185	14.0	05-10	171.0	14.0	11-29	171.0	0.0
09S05W34BBD	A.V. Stimson	171	21.0	05-15	150.0	21.0	11-29	150.0	0.0
09S06W03BDC	Jack Jackson	175	24.0	05-10	151.0	25.0	11-29	150.0	- 1.0

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984						
		ALTITUDE LAND SURFACE ELEVATION (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	
LONOKE COUNTY												
01 N07W03ABB	Clifford Bennett	226	103.5	05-10	122.5	---	---	---	---	---	---	
01 N07W07ABB	Russell Schenebeck	227	100.4	05-10	126.6	---	---	---	---	---	---	
01 N07W26BCC	Otis Parker	218	97.5	05-10	120.5	100.5	09-02	117.5	- 3.0	---	---	
01 N07W33BCB	Ward & Stratton	213	82.0	04-10	131.0	---	---	---	---	---	---	
01 N08W01BCC	Parker	227	99.7	05-15	127.3	---	---	---	---	---	---	
01 N08W03DDA	Winrock	230	102.6	05-10	127.4	104.4	09-02	125.6	- 1.8	---	---	
01 N08W05AAA	Fred Hauk	239	104.8	05-10	134.2	---	---	---	---	---	---	
01 N08W18CCB	W.T. Fletcher	222	65.8	04-17	156.2	---	---	---	---	---	---	
01 N08W19DBD	Leon Hill	218	64.7	04-16	153.3	---	---	---	---	---	---	
01 N09W03BCC	Lyndell Lay	235	60.6	04-17	174.4	---	---	---	---	---	---	
01 N09W08BCC	William Bevis	240	40.0	04-17	200.0	---	---	---	---	---	---	
01 N09W20BBC	Earl Luebke	232	38.5	04-19	193.5	---	---	---	---	---	---	
01 N09W21ABB	Carl Stecks	230	49.3	04-17	180.7	---	---	---	---	---	---	
01 N09W22DAA	H.T. Holt & Sons	233	63.0	04-17	170.0	---	---	---	---	---	---	
01 N09W25BAA	Aeries, Inc.	228	65.0	04-17	163.0	---	---	---	---	---	---	
01 N10W02CBD	Prudential	241	20.0	04-16	221.0	---	---	---	---	---	---	
01 N10W12ABB	Carl Stecks	240	21.5	04-16	218.5	---	---	---	---	---	---	
01 N10W15CDA	Dortch	241	18.6	04-16	222.4	---	---	---	---	---	---	
01 S07W02CAA	W.R. Rouse	210	77.0	05-10	133.0	---	---	---	---	---	---	
01 S08W03BCB	Carl Rice	212	68.3	04-19	143.7	---	---	---	---	---	---	
01 S08W06CCA	Oldom Gin Co.	223	60.5	04-19	162.5	---	---	---	---	---	---	
01 S08W08AAB	Hazel Poe	217	63.0	04-19	154.0	---	---	---	---	---	---	
01 S08W18CAB	L.D. Brantley, Jr.	223	56.7	05-21	166.3	---	---	---	---	---	---	
01 S08W23ABC	Charles Rudder	210	61.1	04-19	148.9	---	---	---	---	---	---	
01 S09W09DBC	Garland Nipps	226	49.5	04-19	176.5	---	---	---	---	---	---	
01 S09W21BAC	S.C. Cobb	226	48.3	04-19	177.7	---	---	---	---	---	---	
01 S09W36CCC	Marvin Burgess	220	44.0	04-19	176.0	---	---	---	---	---	---	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	SPRING 1984			FALL 1984			NET CHANGE
			DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL (FEET)	FEET	DATE	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL (FEET)	
MISSISSIPPI COUNTY									
10N08E34ACD	J.W. Speck	225	7.0	04-05	218.0	8.0	09-19	217.0	- 1.0
10N09E30ABA	J.M. Speck	225	6.0	04-05	219.0	8.0	09-19	217.0	- 2.0
11N08E16CBB	South Miss. Co. Schools	224	7.0	04-05	217.0	9.0	09-20	215.0	- 2.0
11N10E04ABB	Lowrance Bros.	230	6.0	04-05	224.0	-----	-----	-----	-----
11N10E04BBB	Lowrance Bros.	230	-----	-----	-----	7.0	09-20	223.0	-----
12N10E04CAB	R.B. Holthouse	235	6.0	04-05	229.0	-----	-----	-----	-----
12N10E04CAC	R.B. Holthouse	235	-----	-----	-----	7.0	09-20	228.0	-----
12N10E07BC	Charles Robinson	235	7.0	04-05	228.0	9.0	09-19	226.0	- 2.0
12N10E21DBA	Charles Standefer	236	9.0	04-05	227.0	10.0	09-20	226.0	- 1.0
13N08E24ABB	I.G. Ashley	230	8.0	04-06	222.0	14.0	09-18	216.0	- 6.0
13N09E12DAA	Wesson Farms	228	7.0	04-06	221.0	8.0	09-19	220.0	- 1.0
15N10E21ABC	Joe Dilldine	245	8.0	04-06	237.0	12.0	09-18	233.0	- 4.0
16N10E28ABB	R.D. Hughes	240	7.0	04-06	233.0	10.0	09-18	230.0	- 3.0
16N12E01CBB	Armored Planting Co.	258	6.0	04-06	252.0	9.5	09-18	248.5	- 3.5
MONROE COUNTY									
01N01W03CDB	Edgar Fowler	185	34.7	04-27	150.3	34.8	10-18	150.2	- 0.1
01N02W14DDD	Ferrill Martin	180	20.8	04-18	159.2	19.8	10-16	160.2	+ 1.0
01N02W19BCB	Don Pettigrew	180	17.9	04-27	162.1	18.1	10-17	161.9	- 0.2
01N03W23BAD	Corrine Nelson	170	8.0	04-26	162.0	10.6	10-16	159.4	- 2.6
01S01W16DDC	Allen Walls	175	14.2	04-18	160.8	14.0	10-16	161.0	+ 0.2
01S02W20BBB	J.T. Richardson	170	7.9	04-18	162.1	10.0	10-16	160.0	- 2.1
01S03W20CCD	Don Davis	210	70.0	04-26	140.0	76.0	10-11	134.0	- 6.0
02N01W19ADD	A.J. Brizzolara	190	38.0	04-27	152.0	40.5	10-17	149.5	- 2.5

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984						
		ALTITUDE LAND SURFACE ELEVATION (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	
MONROE COUNTY--CONTINUED												
02 N03W35CDA	Bill Davis	185	20.0	04-27	165.0	27.6	10-19	157.4	- 7.6			
02S01W01BCD	Larry Coleman	175	14.3	04-25	160.7	16.1	10-16	158.9	- 1.8			
02S01W11DBB	Allen Walls	170	13.5	04-25	156.5	14.9	10-16	155.1	- 1.4			
04N02W01BCC	Fred Oxner	195	30.5	04-19	164.5	32.7	10-17	162.3	- 2.2			
04N02W05AAA	D.R. Parsley	185	11.3	04-19	173.7	13.3	10-17	171.7	- 2.0			
PHILLIPS COUNTY												
01S01E20DDB	Lynn Brooks	185	13.4	05-02	171.6	---	---	---	---			
01S02E09BDC	Ronald Storey	185	6.4	04-30	178.6	---	---	---	---			
01S02E32BCC	Joe Kemmer	200	38.0	05-02	162.0	---	---	---	---			
01S03E02ADD	F.H. Tolar	200	9.2	04-30	190.8	---	---	---	---			
01S03E10ABB	Henry Heidelberg	205	9.9	04-30	195.1	---	---	---	---			
01S03E20BDD	W.A. Smith	210	27.1	05-02	182.9	---	---	---	---			
01S03E32BCD	R.J. Young	194	19.0	05-09	175.0	---	---	---	---			
01S04E05DCD	J.W. Webb	230	42.0	05-02	188.0	---	---	---	---			
02S02E29DDD	James Yancey	180	18.0	05-09	162.0	---	---	---	---			
02S02E32DCC	James Yancey	177	21.1	05-09	155.9	---	---	---	---			
02S03E34BCD	Gere Carnathan	165	12.4	05-17	152.6	---	---	---	---			
02S04E22DDB	W.A. Bailey	175	2.3	05-17	172.7	---	---	---	---			
02S04E32BCA	Pat Burke	175	12.6	05-17	162.4	---	---	---	---			
03S04E02CAA	Buron Griffin	176	9.3	05-17	166.7	---	---	---	---			
04S01E23ADB	Jerry Barnes	155	8.2	05-21	146.8	---	---	---	---			
04S02E01DBB	Steve Cannon	163	10.2	05-21	152.8	---	---	---	---			
04S02E26CDA	Charles Ray Griffith	160	7.7	05-21	152.3	---	---	---	---			
05S01E26ADC	Jim Bush	160	5.3	05-21	154.7	---	---	---	---			
07S01E19ABA	Brooks Griffin	154	7.4	05-21	146.6	---	---	---	---			

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	SPRING 1984			FALL 1984			NET CHANGE		
			DEPTH TO WATER BELOW LAND SURFACE	DATE	FEET	DEPTH TO WATER BELOW LAND SURFACE	DATE	FEET			
										ALTITUDE OF WATER LEVEL (FEET)	ALTITUDE OF WATER LEVEL (FEET)
POINSETT COUNTY											
10N01E10DAB	Charlie Dale	236	73.5	05-29	162.5	75.8	09-25	160.2	- 2.3		
10N01E33ABB	Eddie Wright	220	72.2	05-29	147.8	-----	-----	-----	-----		
10N01E34ADA	Eddie Wright	230	71.2	05-29	158.8	73.3	08-31	156.7	- 2.1		
10N02E20BAB	Beal	237	80.0	05-29	157.0	85.5	08-31	151.5	- 5.5		
10N03E29BBC	Wallace	236	73.2	05-29	162.8	74.7	08-31	161.3	- 1.5		
10N04E26CBC	Sonny Bonds	220	21.5	-----	198.5	28.6	09-21	191.4	- 7.1		
11N01E21DDC	Fullbright	232	56.4	05-29	175.6	58.5	09-18	173.5	- 2.1		
11N02E30BBB	Sonny Wolf	239	76.3	05-29	162.7	76.8	08-31	162.2	- 0.5		
11N03E13CAA	Laferrel Wess	270	105.1	05-22	164.9	-----	-----	-----	-----		
11N03E30DDC	Johnny Brannum	240	85.0	05-29	155.0	85.0	08-31	155.0	0.0		
11N04E15DCA	Jim Peck	222	22.9	-----	199.1	-----	-----	-----	-----		
11N04E36ABA	Hyneman	211	12.0	-----	199.0	14.8	09-17	196.2	- 2.8		
12N01E22DAB	Vernon Walker	235	53.3	05-29	181.7	58.0	08-31	177.0	- 4.7		
12N02E25DCC	Wimpy Farms	245	89.0	06-01	156.0	97.3	09-24	147.7	- 8.3		
12N03E01CCA	Skip Covington	250	71.0	05-22	179.0	85.7	09-24	164.3	-14.7		
12N03E09AAA	Dana Collins	252	78.2	05-22	173.8	-----	-----	-----	-----		
12N04E15AAA	B.L. Evans	225	19.5	-----	205.5	22.6	09-06	202.4	- 3.1		
12N05E16AAA	Ruffin	221	6.1	-----	214.9	9.3	09-06	211.7	- 3.2		
12N06E31ADD	Chas. Woodruff	218	7.3	-----	210.7	10.6	09-06	207.4	- 3.3		
12N07E10CBB	Weems	222	12.3	06-21	209.7	10.3	10-17	211.7	+ 2.0		

PRAIRIE COUNTY

01N06W07BDB	Winrock	228	110.0	02-10		118.0	10-18	114.0	- 4.0
01N06W28DDD	Uhiren Farm	224	105.0	05-21		119.0	10-09	121.0	+ 2.0
01S04W28CCC	R. Vester	208	92.0	05-21		116.0	10-09	114.0	- 2.0
02N06W07CBB	E.H. Smith	237	113.0	04-25		124.0	10-11	122.5	- 1.5

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984			
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		NET CHANGE
				(FEET)	(FEET)		(FEET)	(FEET)	
			FEET	DATE		FEET	DATE		
PRAIRIE COUNTY--CONTINUED									
02S06W14BRA	C. Patterson	200	66.0	05-21	134.0	68.0	10-09	132.0	- 2.0
03N06W17DBR	E.H. Bednar	220	64.8	05-16	155.2	66.0	10-18	154.0	- 1.2
04N07W06BCC	J.E. Bell	229	41.5	05-16	187.5	43.0	10-18	186.0	- 1.5
04N07W33ADA	M. Graham	245	84.5	05-16	160.5	86.0	10-18	159.0	- 1.5

RANDOLPH COUNTY

18N01E01ARA	Johnny Bennett	266	7.4	05-15	258.6	14.3	10-16	251.7	- 6.9
18N01E13BAB	Lamb Brothers	266	8.3	05-04	257.7	11.6	10-16	254.4	- 3.3
18N01E25BAB	Mrs. D.W. Fender	265	11.0	05-18	254.0	11.1	10-16	253.9	- 0.1
18N01E27D	Fender	259	12.4	06-01	246.6	10.8	10-18	248.2	+ 1.6
18N01E28BAC	Sherman Jones	259	12.3	05-16	246.7	15.3	11-05	243.7	- 3.0
18N01E34CCD	J.D. Blankenship	262	11.7	05-04	250.3	14.0	10-18	248.0	- 2.3
18N02E02CBA	Richard Robinette	277	21.0	05-30	256.0	9.6	10-16	267.4	+11.4
18N02E05DAC	Oscar Prince	263	3.7	05-15	259.3	8.0	10-16	255.0	- 4.3
18N02E14BCB	S. Morgan	274	21.3	05-30	252.7	23.0	10-16	251.0	- 1.7
18N02E17CBB	Milton Lemmons	265	8.6	05-03	256.4	12.3	10-16	252.7	- 3.7
18N02E21CAA	Bobby Crisler	273	21.4	05-30	251.6	23.8	10-16	249.2	- 2.4
18N02E25CAB	A. Ford	270	22.6	05-31	247.4	-----	-----	-----	-----
18N02E27CAB	B. French	271	22.0	05-30	249.0	-----	-----	-----	-----
18N02E32ABB	Bobby Crisler	271	21.0	05-30	250.0	-----	-----	-----	-----
18N02E34AAA	Bill James	273	56.0	05-30	217.0	-----	-----	-----	-----
18N02E34BDD	Bill James	271	27.0	05-31	244.0	-----	-----	-----	-----
19N02E04ADD	Roy Throesch	267	3.5	05-16	263.5	9.8	10-15	257.2	- 6.3
19N02E09ABA	Bernard Baltz	266	1.7	05-16	264.3	7.7	10-15	258.3	- 6.0
19N02E22DAD	A. Rodgers	265	4.0	05-21	261.0	9.7	10-16	255.3	- 5.7
20N02E01DAC	Darrell Cagle	281	10.8	05-30	270.8	16.5	10-16	264.5	- 6.3

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984				NET CHANGE
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE	DATE	FEET	ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE	DATE	ALTITUDE OF WATER LEVEL (FEET)	
RANDOLPH COUNTY--CONT INUED										
20N02E14ADA	Bill Johnston	274	6.3	05-30	267.7	9.7	10-15	264.3	- 3.4	
20N02E28BCD	D. Wren	269	3.8	05-21	265.2	6.6	10-15	262.4	- 2.8	
20N03E06DAC	Dan Joe Wren	280	5.0	05-21	275.0	13.9	10-15	266.1	- 8.9	
20N03E07AAD	Junior Cagle	281	9.8	05-30	271.2	17.0	10-16	264.0	- 7.2	
20N03E33CAC	Lamb Brothers	287	20.1	05-18	266.9	20.3	10-15	266.7	- 0.2	
20N03E33CCA	Lamb Brothers	287	20.0	05-18	267.0	21.8	10-15	265.2	- 1.8	
ST. FRANCIS COUNTY										
04N01E01DBC	Terry McGraw	210	---	---	---	---	---	---	---	
04N01E05AAC	O.P. Hammons	205	53.0	04-10	152.0	57.8	10-03	147.2	- 4.8	
04N01W20BBB	McKinney Dixon	200	47.8	05-21	152.2	51.1	10-03	148.9	- 3.3	
04N01W25DBC	Libbie Pleasants	205	58.7	05-21	146.3	60.1	10-03	144.9	- 1.4	
04N04E12DAD	C.C. Moore Testamentary	200	23.2	04-10	176.8	---	---	---	---	
04N04E15ARA	Lake Side Farms	200	---	---	---	27.0	11-01	173.0	---	
04N05E05AAA	Joe Meurrier	205	---	---	---	---	---	---	---	
04N06E11ACB	James Solaman	195	13.0	04-10	182.0	13.7	10-04	181.3	- 0.7	
05N01E04DAD	C.E. West	210	47.5	05-21	162.5	49.0	10-03	161.0	- 1.5	
05N02E06DBB	Bill Lindsey	210	61.3	05-21	148.7	62.0	10-04	148.0	- 0.7	
05N03E19ARA	W.E. Harrison, Jr.	220	61.0	04-10	159.0	68.2	10-02	151.8	- 7.2	
05N05E21CBA	Sid Fogg	195	---	---	---	27.0	11-01	168.0	---	
05N05E29DCG	Stough Farms Inc.	195	27.0	04-10	168.0	---	---	---	---	
05N06E05BBB	W.C. Casey & M.D. Parker	195	25.0	04-10	170.0	29.8	10-01	165.2	- 4.8	
06N02E18ARA	Calvin Frazier	210	45.0	04-09	165.0	47.0	10-03	163.0	- 2.0	
06N04E36CDC	David Blaylock	200	28.0	04-10	172.0	27.2	10-01	172.8	+ 0.8	
06N05E19DAD	Charles R. Brown	200	27.0	04-10	173.0	27.0	10-01	173.0	0.0	
06N06E20AAB	Steve B. Bernard	205	21.3	04-10	183.7	24.1	10-01	180.9	- 2.8	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1984 AND FALL 1984--CONTINUED

LOCATION	LAND OWNER	SPRING 1984				FALL 1984			
		ALTITUDE LAND SURFACE ELEVATION (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE
			FEET	DATE		FEET	DATE		
WHITE COUNTY									
06 N04W07 BB	V. Johnston	205	18.0	06-15	187.0	21.0	111-	184.0	- 3.0
06 N06W04 BA	E. Vaughn	221	38.0	06-15	183.0	40.4	111-	180.6	- 2.4
06 N06W13 BA	B. Duch	213	37.0	06-15	176.0	39.0	111-	174.0	- 2.0
06 N06W13 DD	B. Duch	216	40.0	06-15	176.0	40.0	111-	176.0	0.0
06 N06W18 BC	C. Powell	210	27.0	06-15	183.0	30.5	111-	179.5	- 3.5
WOODRUFF COUNTY									
05 N01W13 DDC	Melvin	210	55.8	05-10	154.2	61.0	10-02	149.0	- 5.2
05 N01W31 BCB	Wilkes	210	49.5	05-03	160.5	49.8	10-03	160.2	- 0.3
05 N02W13 ABD	Kennedy	195	29.1	05-10	165.9	30.0	10-02	165.0	- 0.9
05 N03W31 CRA	Gardner	178	1.3	05-10	176.7	6.7	10-03	171.3	- 5.4
06 N01W03 ACA	Ashburn	215	47.3	05-10	167.7	49.0	10-02	166.0	- 1.7
06 N02W19 AAA	Daniels	225	41.8	05-03	183.2	45.0	10-01	180.0	- 3.2
06 N04W22 BDA	Rodgers	186	1.2	05-03	184.8	8.3	10-15	177.7	- 7.1
07 N01W04 DCB	Childress	225	46.5	05-10	178.5	50.7	10-02	174.3	- 4.2
07 N02W16 DAD	Burkett	206	-----	-----	-----	19.9	10-17	186.1	-----
07 N03W05 ACA	Bowen	213	-----	-----	-----	24.0	10-02	189.0	-----
07 N03W31 ARA	Gregory	200	8.3	05-03	191.7	10.9	10-03	189.1	- 2.6
08 N01W06 CCD	Myers	220	32.0	05-10	188.0	32.0	10-02	188.0	0.0
08 N01W10 AAA	Young	211	32.9	05-10	178.1	35.0	10-01	176.0	- 2.1
08 N02W15 ACA	Jelks	209	-----	-----	-----	10.1	10-01	198.9	-----
09 N03W21 DBD	Dale	220	14.8	05-10	205.2	30.0	10-01	190.0	-15.2
09 N03W24 DBC	Roose	212	3.6	05-10	208.4	6.6	10-02	205.4	- 3.0
09 N03W32 ACA	Fitzhugh	217	12.5	05-10	204.5	9.9	10-02	207.1	+ 2.6

¹ Only month is known.