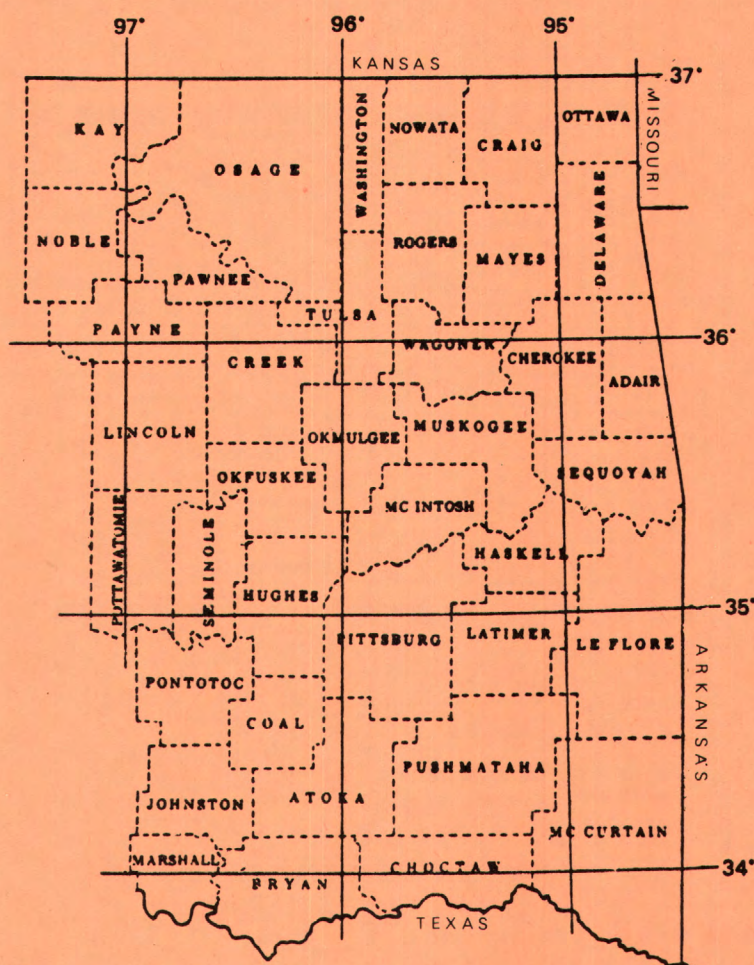
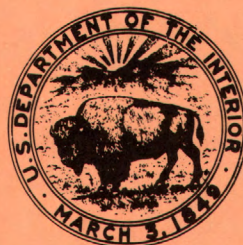


# GROUND-WATER RECORDS FOR EASTERN OKLAHOMA PART 2—WATER-QUALITY RECORDS FOR WELLS, TEST-HOLES, AND SPRINGS

U.S. GEOLOGICAL SURVEY  
Open-File Report 78-357



Prepared in cooperation with  
Federal, State, and Local Agencies









UNITED STATES  
DEPARTMENT OF THE INTERIOR  
Geological Survey

GROUND-WATER RECORDS  
FOR EASTERN OKLAHOMA  
PART 2 - WATER-QUALITY RECORDS  
FOR WELLS, TEST-HOLES, AND SPRINGS

Compiled by John S. Havens

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Oklahoma City, Oklahoma

May 1978







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# GROUND-WATER RECORDS

## FOR EASTERN OKLAHOMA

### PART 2 - WATER-QUALITY RECORDS FOR WELLS, TEST-HOLES, AND SPRINGS

COMPILED BY

JOHN S. HAVENS

#### INTRODUCTION

THE U.S. GEOLOGICAL SURVEY HAS COLLECTED DATA ON OKLAHOMA'S GROUND-WATER RESOURCES SINCE 1934. MOST OF THESE DATA WERE COLLECTED AS PART OF SPECIFIC GROUND-WATER STUDIES CONDUCTED IN COOPERATION WITH VARIOUS FEDERAL STATE, AND LOCAL AGENCIES. DATA ON CONSTRUCTION, YIELD, WATER LEVELS, AND OTHER PHYSICAL WELL PARAMETERS ARE GIVEN IN "GROUND-WATER RECORDS FOR NORTH-EASTERN OKLAHOMA, PART 1 - RECORDS OF WELLS, TEST HOLES, AND SPRINGS" AND IN "GROUND-WATER RECORDS FOR SOUTHEASTERN OKLAHOMA, PART 1 - RECORDS OF WELLS, TEST HOLES, AND SPRINGS". THESE REPORTS ARE AVAILABLE FROM THE U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, RM. 621, 201 N.W. THIRD, OKLAHOMA CITY, OK 73102.

ALTHOUGH SOME WATER-QUALITY DATA FOR WELLS, TEST-HOLES, AND SPRINGS HAVE BEEN PUBLISHED, THEY ARE SCATTERED THROUGH A VARIETY OF REPORTS AND ARE NOT READILY AVAILABLE ON A REGIONAL BASIS. FURTHERMORE, A CONSIDERABLE AMOUNT OF DATA HAVE NEVER BEEN PUBLISHED AND CAN BE OBTAINED ONLY FROM THE FILES OF THE GEOLOGICAL SURVEY. THE PURPOSE OF THIS REPORT IS TO MAKE AVAILABLE BOTH PUBLISHED AND UNPUBLISHED WATER-QUALITY RECORDS FOR APPROXIMATELY 1,740 WELLS, TEST-HOLES, AND SPRINGS IN 23 COUNTIES IN NORTH-EASTERN OKLAHOMA AND 16 COUNTIES IN SOUTHEASTERN OKLAHOMA.

ACKNOWLEDGMENT IS EXTENDED TO THE MANY HUNDREDS OF INDIVIDUALS WHO HAVE PROVIDED THE DATA COMPILED IN THIS REPORT.

# CONVERSION FACTORS

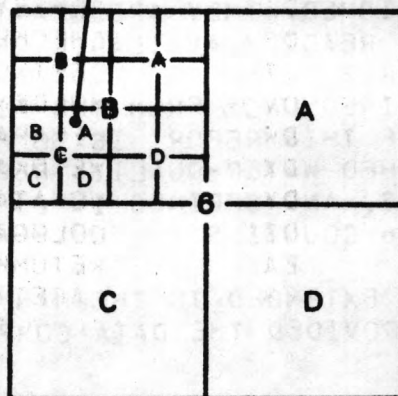
ENGLISH UNITS USED IN THIS REPORT MAY BE CONVERTED TO METRIC UNITS BY THE FOLLOWING CONVERSION FACTORS:

MULTIPLY ENGLISH UNIT	BY	TO OBTAIN METRIC UNIT
INCH (IN)	25.4	MILLIMETER (MM)
FOOT (FT)	.3048	METER (M)
GALLON PER MINUTE (GAL/MIN)	.06309	LITER PER SECOND (L/S)

## EXPLANATION OF INFORMATION IN THE TABLE

COLUMN 1 (WELL LOCATION) THE STANDARD METHOD OF GIVING LOCATION BY FRACTIONAL SECTION, SECTION, TOWNSHIP, AND RANGE IS REPLACED BY THE METHOD ILLUSTRATED IN THE DIAGRAM BELOW. THE LOCATION OF THE WELL INDICATED BY THE DOT NORMALLY WOULD BE DESCRIBED AS NE 1/4 SW 1/4 NW 1/4 SEC. 6, T. 24 N., R. 13 E. THE METHOD USED IN THIS REPORT REVERSES THE ORDER AND INDICATES QUARTER SUBDIVISIONS OF THE SECTION BY LETTERS. BY THIS METHOD THE LOCATION OF THE WELL IS GIVEN AS 24N-13E-06BCA 1. THE FINAL DIGIT (1) IS THE SEQUENTIAL NUMBER OF A WELL WITHIN THE SMALLEST FRACTIONAL SUBDIVISION.

24N-13E-06BCA 1





COLUMN 2 "WELL DEPTH (FT)" DEPTH OF WELL BELOW LAND SURFACE TO  
THE NEAREST FOOT.

COLUMN 3 "AQUIFERS" THE AQUIFER CODES ARE:

	CODE	AQUIFER OR FORMATION
-----		
INFORMAL TERMS		
	OA	ALLUVIUM
	OT	TERRACE DEPOSITS
	OC	COLLUVIUM
MESOZOIC		
	BH	WOODBINE FORMATION
	BI	WASHITA GROUP
	BK	ANTLERS SAND
PERMIAN		
	CS	WELLINGTON FORMATION
	EU	OSCAR FORMATION
PENNSYLVANIAN		
	DA	VANOSS FORMATION
	DB	ADA FORMATION
	DE	VAMOOSA FORMATION
	DG	HILLTOP FORMATION
	DH	TALLANT FORMATION
	DI	BARNSDALL FORMATION
	DJ	WANN FORMATION
	DP	NELLIE BLY FORMATION
	DQ	HOGSHOOTER LIMESTONE
	DR	COFFEYVILLE FORMATION
	DS	CHECKERBOARD LIMESTONE
	DT	SEMINOLE FORMATION
	DV	HOLDENVILLE SHALE
	DW	LENAPAH LIMESTONE
	DX	WEWOKA FORMATION
	DY	NOWATA SHALE
	DZ	OOLOGAH LIMESTONE
	EA	WETUMKA SHALE
	EB	LABETTE SHALE
	EC	FORT SCOTT LIMESTONE
	ED	CALVIN SANDSTONE
	EE	SENORA FORMATION
	EF	STUART SHALE

## CODE

## AQUIFER OR FORMATION

## PENNSYLVANIAN (CONTINUED)

EH	BOGGY FORMATION
EI	BLUE JACKET SANDSTONE MEMBER
EJ	SAVANNA FORMATION
EK	MCALESTER FORMATION
EL	HARTSHORNE SANDSTONE
EM	ATOKA FORMATION
EN	DORNICK HILLS FORMATION
EP	MORROW GROUP
ET	JACKFORK SANDSTONE

## PENNSYLVANIAN-MISSISSIPPIAN

FA	STANLEY SHALE AND GODDARD SHALE
----	---------------------------------

## MISSISSIPPIAN

GB	PITKIN LIMESTONE, FAYETTEVILLE SHALE, BATESVILLE SANDSTONE, HINDSVILLE LIMESTONE, AND MOOREFIELD FORMATION
GD	BOONE FORMATION

## MISSISSIPPIAN - DEVONIAN

HC	CHATTANOUGA SHALE
----	-------------------

## DEVONIAN-SILURIAN

JA	HUNTON GROUP
----	--------------

## SILURIAN

KE	ST. CLAIR LIMESTONE
----	---------------------

## ORDOVICIAN

LA	SYLVAN SHALE
LG	TYNER FORMATION
LH	BURGEN SANDSTONE
LI	SIMPSON GROUP
LM	COTTER DOLOMITE
LN	UPPER PART OF ARBUCKLE GROUP (WEST SPRING CREEK, KINDBLADE, COOL CREEK, AND MCKENZIE HILL FORMATIONS)
LQ	ROUBIDOUX FORMATION
LR	GASCONADE DOLOMITE AND VAN BUREN FORMATION



## CODE

## AQUIFER OR FORMATION

## CAMBRIAN

MA

LOWER PART OF ARBUCKLE GROUP  
(BUTTERLY DOLOMITE, SIGNAL  
MOUNTAIN LIMESTONE, ROYER  
DOLOMITE, AND FORT SILL  
LIMESTONE)

## PRE-CAMBRIAN

NA

RHYOLITE, GRANITE, ANORTHOSITE,  
GABBRO

COLUMN 4 "DATE OF COLLECTION (MO-DA-YR)"

COLUMN 5 "SP COND" SPECIFIC CONDUCTANCE, IN MICROMHOS AT  
25 DEGREES C (CELSIUS).

COLUMN 6 "PH"

COLUMN 7 "TEMP(C)" TEMPERATURE OF SAMPLE AT TIME OF  
COLLECTION, IN DEGREES CELSIUS.

COLUMN 8 "CA" CALCIUM, IN MG/L (MILLIGRAMS PER LITER)

COLUMN 9 "MG" MAGNESIUM, IN MG/L

COLUMN 10 "NA" SODIUM, IN MG/L

COLUMN 11 "K" POTASSIUM, IN MG/L

COLUMN 12 "HCO3" BICARBONATE, IN MG/L

COLUMN 13 "SO4" SULFATE, IN MG/L

COLUMN 14 "WELL LOCATION" IDENTICAL TO COLUMN 1.

COLUMN 15 "DATE OF COLLECTION " IDENTICAL TO COLUMN 4.

COLUMN 16 "CL" CHLORIDE, IN MG/L

COLUMN 17 "F" FLUORIDE, IN MG/L

COLUMN 18 "NO3" NITRATE, IN MG/L

COLUMN 19 "B" BORON, IN UG/L (MICROGRAMS PER LITER).

COLUMN 20 "FE" IRON, IN UG/L

COLUMN 21 "DISSOL. SOLIDS (RES. AT 180/DEG)" DISSOLVED  
SOLIDS, RESIDUE AT 180 DEGREES C, IN MG/L

COLUMN 22 " DISSOLV. SOLIDS (CALC)" DISSOLVED SOLIDS,  
CALCULATED, IN MG/L

COLUMN 23 "HARDNESS, CA+MG" HARDNESS, CALCIUM PLUS MAGNESIUM,  
IN MG/L

COLUMN 24 "HARDNESS, NON-CARB" HARDNESS, NON-CARBONATE  
IN MG/L

COLUMN 25 "SAR" SODIUM-ABSORPTION RATIO

COLUMN 26 "REMARKS"

"FLD.DATA" INDICATES THAT FIELD DATA--TEMPERATURE, SPECIFIC  
CONDUCTANCE, OR OTHER DATA--ARE AVAILABLE IN THE FILES  
OF THE GEOLOGICAL SURVEY, OKLAHOMA DISTRICT.





ADAIR COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MU-DA-YR)			(C.)						
15N-24E-130BD 1	25	GD	12-01-66	369	8.30	17.0			13.0		208	11.0
15N-24E-160BD 1			01-19-67	352	8.30	5.0			1.4		200	15.0
15N-24E-24ABD 1		GD	01-19-67	342	8.40	14.5			6.4		190	13.0
15N-25E-10DDD 1		GD	09-11-51	257	7.00		46.0	1.2	3.9	1.3	141	4.1
15N-25E-12BCC 1	75	GD	10-16-50		7.20		144.0	17.0	12.0	2.8	400	160.0
15N-26E-08ABD 1	205	GD	01-01-65		7.00		108.0	3.0	5.0	0.9	364	5.0
15N-26E-09ADB 1	175	GD	02-01-65		7.40		84.0	5.0	5.0	0.9	266	8.0
15N-26E-09CCB 1	100	GD										
15N-26E-20AAB 1	82	GD	01-01-65		6.70		94.0	18.0	13.0	3.7	290	115.0
16N-24E-09CBC 1	68	GD										
16N-24E-21CBC 2		GD	01-19-67	270	7.90	12.0			8.7		158	10.0
16N-25E-08AAC 1	49	GD										
16N-25E-20ADB 1	85	GD	08-07-65		8.50		62.0	10.0			203	23.0
16N-25E-22AA 1	112	GD	12-01-46	173			34.0	1.6	2.0		103	3.9
16N-25E-23CBC 1		GD	01-19-67	268	8.00	9.5			5.8		142	10.0
16N-26E-04BBB 1	182	GD	02-01-65		7.00		134.0	6.0	7.0	1.3	373	44.0
16N-26E-09ABA 1	54	GD										
16N-26E-15ABB 1	55	GD	02-01-65		7.40		70.0	3.0	4.0	0.9	222	6.0
16N-26E-28DHC 1	190	GD	01-01-65		7.30		86.0	2.0	7.0	2.8	259	6.0
16N-26E-31DCD 1	130	GD	01-01-65		7.10		106.0	4.0	7.0	1.6	334	15.0
16N-26E-34BAC 1		GD										
16N-26E-34ACB 1		GD	09-13-66	335	8.00	16.0			6.4		186	18.0
17N-24E-05CDA 1	180	LH	06-23-65		7.80		47.0	7.0	34.0	4.0	249	0.0
17N-24E-07ABC 1	120	LG	06-23-65		7.30		54.0	3.0	8.0	2.0	181	24.0
17N-24E-12ADA 1	80	GD	06-29-65		8.00		66.0	3.0	10.0	0.1	90	12.0
17N-24E-12BAB 1	149		06-29-65		7.60		65.0	3.0	9.0	2.0	176	14.0
17N-24E-12DAD 1	200	LH	07-04-65		8.90		6.0	1.0			449	12.0
17N-24E-25ABH 1	60	GD	06-29-65				62.0	3.0	9.0	0.5	183	13.0
17N-24E-25BDC 1		GD										
17N-24E-35CCC 1	122	GD	09-14-66	423	7.80				4.1		268	7.0
17N-25E-03ADB 1	120	GD	04-04-65	1201	8.20		26.0	1.0			88	11.7
17N-25E-03ADD 1		GD	09-13-66	199	8.00	15.5			3.2		100	5.0
17N-25E-03CCA 1	200	LH	06-29-65		8.20		8.0	2.0	49.0	3.0	156	15.0
17N-25E-03PCB 1	49	GD										
17N-25E-10BAA 1	140	GD	06-29-65		8.00		45.0	3.0	28.0	2.0	179	14.0
17N-25E-10BAD 1	120	GD	06-29-65		8.00		60.0	3.0	18.0		200	12.0
17N-25E-10BHC 1	260		06-29-65		7.80		14.0	3.0	570.0	5.0	1181	10.0
17N-25E-10DAA 1	140	GD	07-04-65		8.10		33.0	1.0			105	14.0
17N-25E-15BHR 1	203	GD	06-28-65		8.00		10.0	6.0	290.0	0.5	522	12.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
15N-24E-130BD 1	12-01-66	5.0		1.7			212		168			
15N-24E-160BD 1	01-19-67	4.0		2.1			229		190			
15N-24E-24ABB 1	01-19-67	6.0		1.1			186		178			
15N-25E-10DDD 1	09-11-51	6.2	0.0	3.2		20	147		120	4		
15N-25E-12HCC 1	10-16-50	12.0	0.6	0.0		25		580	364	108		
15N-26E-08ABD 1	01-01-65	10.0	0.4	0.0		10		320	270	0		
15N-26E-09ADB 1	02-01-65	12.0		0.0		50		250	210	12		
15N-26E-09CCB 1												FLD.DATA
15N-26E-20AAB 1	01-01-65	16.0	1.1	0.0		300		420	234	70		
16N-24E-09CHC 1												FLD.DATA
16N-24E-21CHC 2	01-19-67	5.0		0.3			160		128			
16N-25E-08AAC 1												FLD.DATA
16N-25E-20ADB 1	08-07-65	16.0	0.4	2.7		1300		250	154	0		
16N-25E-22AA 1	12-01-46	5.0	0.0	0.5				91	91			
16N-25E-23CHC 1	01-19-67	6.0		6.4			162		128			
16N-26E-04HBB 1	02-01-65	18.0	0.5	0.9		50		450	334	54		
16N-26E-09ABA 1												FLD.DATA
16N-26E-15ABB 1	02-01-65	12.0	0.3	0.0		0		240	174	6		
16N-26E-28DBC 1	01-01-65	14.0	0.4	0.0		0		290	214	12		
16N-26E-31DCD 1	01-01-65	10.0	0.4	0.0		0		320	264	8		
16N-26E-34BAC 1												FLD.DATA
16N-26E-34ACB 1	09-13-66	6.8		4.4					170		0.2	
17N-24E-05CDA 1	06-23-65	12.0	0.2	3.5		700		215	118	0		
17N-24E-07ABC 1	06-23-65	0.2	0.4	6.2		6000		210	134	0		
17N-24E-12ADA 1	06-29-65	12.0	0.7	1.8		900		210	166	0		
17N-24E-12BAB 1	06-29-65	14.0	0.7	0.0		300		205	162	14		
17N-24E-12DAD 1	07-04-65	244.0		0.0		2500		1000	16	0		
17N-24E-25ABB 1	06-29-65	14.0	0.0			15000		195	156	4		
17N-24E-25BDC 1												FLD.DATA
17N-24E-35CCC 1	09-14-66	3.1		0.1					222		0.1	
17N-25E-03ADB 1	04-04-65	10.0	0.4	1.8		500			70	0		
17N-25E-03ADD 1	09-13-66	5.0		11.0			121		96		0.1	
17N-25E-03CCA 1	06-29-65	12.0	0.4	1.3		3200		195	20	0		
17N-25E-03DCB 1												FLD.DATA
17N-25E-10BAA 1	06-29-65	16.0	0.2	0.0		3000		205	112	0		
17N-25E-10BAD 1	06-29-65	12.0	0.6	3.1		900		200	150	0		
17N-25E-10BBC 1	06-29-65	232.0	2.8	0.0		700		1750	36	0		
17N-25E-10DAA 1	07-04-65	12.0	0.1	1.8		6500		130	88	0		
17N-25E-15BBB 1	06-28-65	224.0	8.8	1.8		300		960	24	0		



ADAIR COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
17N-25E-21ARB 1	180	LH	06-29-65		8.50		6.0	6.0	300.0	5.0	415	15.0
17N-25E-22AAD 1	200	LH	06-29-65		8.40		11.0	6.0	264.0	6.0	381	14.0
17N-25E-28CCA 1	200	GD	06-28-65		7.70		75.0	6.0	10.0	1.0	222	33.0
17N-25E-29CAC 1	200	LH	06-29-65		8.70		2.0	1.0	240.0	5.0	447	18.0
18N-24E-05CCC 1		GD										
18N-24E-14DCC 1	50	GD										
18N-24E-15DDD 1		GD										
18N-24E-238DB 1		GD	10-15-68	164	7.80	15.5	28.0	0.8	2.2	1.1	86	1.0
18N-24E-27DHB 1	160	LH	06-29-65		8.30		7.0	2.0	245.0	1.0	376	10.0
18N-24E-28DAB 1	220	LH	06-29-65		8.50		3.0	3.0	275.0	1.0	322	11.0
18N-24E-28DCB 1	100		06-23-65		8.60		8.0	1.4	250.0	6.0	405	7.0
18N-24E-33BAB 1	200	LH	06-23-65		8.90		3.0	1.0	240.0	9.0	312	5.0
18N-25E-06RAD 1		GD										
18N-25E-13DAA 1	62	GD										
18N-25E-34DCA 1	100	GD	07-04-65		7.60		54.0	0.0			190	12.0
18N-26E-31ACA 1	650		11-01-46	297	7.90	16.5	37.0	4.7	19.0		104	32.0
18N-26E-31DCC 1	400	LH	02-20-47	662			110.0	5.0	42.0		205	45.0
19N-24E-02CCC 1		GD										
19N-24E-13CAB 1		GD										
19N-24E-32CCD 1	52											
19N-25E-08ACD 1		GD										
19N-25E-08DBD 1		GD										
19N-25E-18ADA 1	70	GD	11-18-68	418	7.90				73.0		284	2.5
19N-25E-28CBA 1		GD	10-15-68	136	7.60	15.0			3.4	1.0	62	1.0
19N-25E-36ACA 1		GD										
19N-26E-18DCD 1	74	GD	11-19-68	583	8.20	16.0			138.0		288	79.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
17N-25E-21ABH 1	06-29-65	340.0	8.0	0.0		20000		1200	16	0		
17N-25E-22AAD 1	06-29-65	368.0	8.8	0.0				1110	28	0		
17N-25E-28CCA 1	06-28-65	12.0	0.6	0.0		2000		260	188	18		
17N-25E-29CAC 1	06-29-65	26.0	0.3	0.0		3500		470	6	12		
18N-24E-05CCC 1												FLD.DATA
18N-24E-14DCC 1												FLD.DATA
18N-24E-15DOD 1												FLD.DATA
18N-24E-23HDB 1	10-15-68	4.5		2.0			94		78	8	1.1	
18N-24E-27DBB 1	06-29-65	88.0	8.2	0.0		700		650	18	0		
18N-24E-28DAB 1	06-29-65	178.0	5.0	0.0		700		650	8	0		
18N-24E-28DCB 1	06-23-65	146.0	6.0	1.8		2400		600	20	0		
18N-24E-33BAB 1	06-23-65	186.0	11.0	3.5		3000		600	8	0		
18N-25E-06BAD 1												FLD.DATA
18N-25E-13DAA 1												FLD.DATA
18N-25E-34DCA 1	07-04-65	12.0	0.1	1.8		13000		200	136	0		
18N-26E-31ACA 1	11-01-46	24.0	0.0	0.2			175		122			
18N-26E-31DCC 1	02-20-47	30.0		160.0				493	294			
19N-24E-02CCC 1												FLD.DATA
19N-24E-13CAR 1												FLD.DATA
19N-24E-32CCD 1												FLD.DATA
19N-25E-08ACD 1												FLD.DATA
19N-25E-08DBD 1												FLD.DATA
19N-25E-18ADA 1	11-18-68	4.0		0.2			257		74			
19N-25E-28CBA 1	10-15-68	6.2		4.9			83	69	58		1.3	
19N-25E-36ACA 1												FLD.DATA
19N-26E-18DCD 1	11-19-68	46.0					339		84			

ATOKA COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
(F1)			(MO-DA-YR)			(C.)						
01N-14E-13BBB 1	40	FA	03-03-71	842	8.20				83.0		396	73.0
01N-15E-24ACD 1	81	FA	03-03-71	204	7.30				42.0		112	16.0
02N-13E-25BDA 1	150	EM	03-03-71	434	7.30				49.0		178	28.0
01S-12E-17BAD 1	200	EN	08-15-51	1070	7.40		84.0	70.0	53.0	1.2	421	194.0
01S-12E-35D 1	500		12-08-65	11700								
01S-13E-20ABB 1	42	FA	03-03-71	280	7.50	19.0			19.0		98	19.0
02S-09E-25C 1		EM	07-13-66	810	7.80				60.0		256	19.0
02S-12E-20CAB 1	18	BK										
02S-12E-24BAB 1	45											
03S-09E-13D 1		BK	03-05-59	1010	8.70		56.0	5.5	177.0		328	84.0
03S-11E-01DDD 1	92	BK										
03S-11E-11DC 1	180											
03S-11E-23ABB 1	70											
03S-12E-03ADD 1	15	BK										
03S-12E-04ABB 1	46	BK										
03S-12E-09A 1	87	BK	03-21-49	5530	3.20		424.0	45.0	342.0	30.0	0	3620.0
			03-21-49	5310	3.30							
03S-12E-09ADC 1	87	BK										
03S-12E-13BBB 1	110	BK										
03S-12E-20DB 1	177	BK	03-09-50	238			18.0	11.0	7.1		9	22.0
03S-14E-29CRC 1	40	BK	03-24-48	1460			90.0	31.0	154.0		108	14.0
03S-14E-35BBB 1	38	BK	04-06-70	69	6.40	17.5			6.0		12	8.4
04S-09E-08ACA 1	75											
04S-10E-01DCC 1	20	BK	03-24-48	1510			264.0	41.0	52.0		365	575.0
04S-11E-22BB 1	60											
04S-11E-27BB 1	80											
04S-12E-08CC 1	180											
04S-12E-21UCC 1	160											
04S-13E-32DAB 1	58	BK	05-05-70	264	6.90	19.0			8.3		30	17.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	(CALC)	HARDNESS CA+MG NON- CARR		SAR	REMARKS
01N-14E-1388B 1	03-03-71	39.0		3.3			494		280	0		
01N-15E-24ACD 1	03-03-71	14.0		0.0			125		36	0		
02N-13E-258DA 1	03-03-71	30.0		0.5			254		110	0		
01S-12E-17BAD 1	08-15-51	49.0	0.1	0.4		40	688		498	152		
01S-12E-35D 1	12-08-65	3500.0							335			
01S-13E-20AB8 1	03-03-71	11.0		23.0			164		94	14		
02S-09E-25C 1	07-13-66	123.0			70		464		274	64		
02S-12E-20CAB 1												FLD.DATA
02S-12E-24BAB 1												FLD.DATA
03S-09E-13D 1	03-05-59	96.0		0.4			656		162	0	6.0	
03S-11E-010DD 1												FLD.DATA
03S-11E-11DC 1												FLD.DATA
03S-11E-23AB8 1												FLD.DATA
03S-12E-03ADD 1												FLD.DATA
03S-12E-04AB8 1												FLD.DATA
03S-12E-09A 1	03-21-49	345.0	0.8	10.0		8000	5970		1240			
	03-21-49	315.0							2980			
03S-12E-09ADC 1												FLD.DATA
03S-12E-1388B 1												FLD.DATA
03S-12E-20DB 1	03-09-50	10.0		75.0			172		90	83		
03S-14E-29CHC 1	03-24-48	398.0	0.0	28.0			900		352	264		
03S-14E-3588B 1	04-06-70	11.0		1.6			50		22	12		
04S-09E-08ACA 1												FLD.DATA
04S-10E-010CC 1	03-24-48	30.0	0.0	1.0			1240		827	528		
04S-11E-228B 1												FLD.DATA
04S-11E-278B 1												FLD.DATA
04S-12E-08CC 1												FLD.DATA
04S-12E-21DCC 1												FLD.DATA
04S-13E-32DAB 1	05-05-70	43.0		12.0			222		94	70		



[illegible]

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[illegible]

BRYAN COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
07S-13E-26C 1	480											
08S-10E-32ADD 1	345											
08S-14E-14AAA 1	41	DA	03-03-71	618	7.60				13.0		282	26.0
10S-09E-03DAC 1	80	BM	04-29-67	573	8.10	5.8			24.0	0.7	334	31.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NON- CARB		SAR	REMARKS
07S-13E-26C	1											FLD. DATA
08S-10E-32ADD	1											FLD. DATA
08S-14E-14AAA	1	03-03-71		20.0	48.0		360		300	65		
10S-09E-03DAC	1	04-29-67		12.0	11.0	13	346		272	0	0.6	FLD. DATA



## CHEROKEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
14N-21E-0180B 1	180		01-01-65		8.80		41.0	9.0	273.0		163	35.0
14N-21E-01CAD 1	80		01-01-65		7.90		14.0	7.0	394.0		537	39.0
14N-21E-01COD 1	100	EM	01-01-65		7.90		67.0	4.0	12.0		203	13.0
14N-21E-01DBC 1	140	EM	01-01-65		8.00		6.0	6.0	352.0		761	11.0
14N-22E-18ADB 1	240	EP	01-01-65		7.80		13.0	6.0	314.0		527	41.0
14N-22E-18CDB 1	240		01-01-65		7.50		54.0	22.0	307.0		717	186.0
14N-22E-18DAD 1	200		01-01-65		8.60		8.0	7.0	696.0		771	12.0
14N-22E-19ACB 1	81	EM	01-01-65		8.80		6.0	2.0	252.0		468	42.0
14N-22E-19DCH 1	48	EM	01-01-65		6.90		49.0	10.0			251	12.0
14N-22E-19DCC 1	325	EM	08-02-65		9.10		4.0	0.0			390	48.0
15N-21E-36CBB 1	100	GB	01-01-65		8.30		22.0	6.0	88.0		271	17.0
15N-22E-04ACB 1	230	EM	08-02-65		7.40		24.0	12.0			381	42.0
15N-22E-10BAD 1	240	GD	01-01-65		8.30		59.0	2.0	6.0		171	8.0
15N-22E-13CBB 1	200	GD	01-01-65		8.10		138.0	7.0	0.0		283	40.0
15N-22E-21ADD 1	280	KE	08-02-65		7.60		32.0	0.0			276	13.0
15N-22E-22CDD 1	180	GD	01-01-65		7.70		142.0	6.0	12.0		386	22.0
15N-22E-28BBB 1	280	KE	01-01-65		8.00		66.0	4.0	8.0		185	11.0
15N-22E-30BCC 1	185	GD	01-01-65		8.20		22.0	6.0	89.0		281	17.0
16N-21E-11DDA 1	50	EM	08-02-65		7.20		70.0	1.0			214	13.0
16N-21E-23DBC 1	150	EM	01-01-65		7.60		107.0	45.0	58.0		449	162.0
16N-21E-23DCD 1	245	EM	01-01-65		8.20		4.0	1.0	295.0		630	56.0
16N-21E-23DDB 1	100	EM	08-02-65		7.10		111.0	13.0			403	45.0
16N-21E-23DDD 1	180	EM	01-01-65		8.20		98.0	29.0	35.0		285	170.0
16N-21E-25BAD 1		GD	01-20-67	339	8.30				4.1		192	14.0
16N-21E-26ABC 1	220	EM	01-01-65		7.90		84.0	33.0	47.0		376	105.0
16N-21E-34DAA 1	100	GD	08-02-65		8.20		101.0	0.0			261	14.0
16N-22E-03CCR 1	90	GD	11-20-46	36		13.0	60.0	7.6	3.2		175	7.2
16N-22E-06DDD 1	380	GD	01-01-65		8.10		10.0	6.0	344.0		605	86.0
16N-22E-14BBA 1	140	GD	08-02-65		7.10		55.0	2.0			173	13.0
16N-22E-14RHC 2	200	GD	01-01-65		8.10		36.0	4.0	9.0		107	13.0
16N-22E-15CAA 1	160	GD	08-02-65		7.10		67.0	0.5			222	14.0
16N-22E-18BBC 1	150	EM	11-01-65		7.40		256.0	103.0	397.0		356	1480.0
17N-20E-02CCB 1	62	GD	01-01-66		7.90		43.0	31.0			71	18.0
17N-20E-03DCC 1	65	GD	01-01-66		8.10		132.0	13.0			112	55.0
17N-20E-07RCB 1	122	GD	01-01-66		7.60		63.0	5.0			61	33.0
17N-20E-10ABA 1	102	GD	01-01-66		7.70		109.0	11.0			110	17.0
17N-20E-10BBA 1	190	GD	01-01-66		7.60		51.0	3.0			327	100.0
17N-20E-10BDC 1	182	HC	01-01-66		8.10		48.0	3.0			310	100.0
17N-20E-11ABA 1	182	GD	01-01-66		7.20		71.0	10.0			66	7.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
14N-21E-018DB 1	01-01-65	24.0	0.9	2.2		0		255	52	0		
14N-21E-01CAD 1	01-01-65	196.0	1.8	1.8		900		900	34	0		
14N-21E-01CDD 1	01-01-65	12.0	0.1	9.3		0		240	168	10		
14N-21E-01DBC 1	01-01-65	102.0	0.5	1.8		700		900	16	0		
14N-22E-18ADB 1	01-01-65	170.0	1.7	7.5		700		870	32	0		
14N-22E-18CDB 1	01-01-65	76.0	1.0	1.8		100		950	134	0		
14N-22E-18DAD 1	01-01-65	584.0	0.4	1.8		200		2100	20	0		
14N-22E-19ACB 1	01-01-65	84.0	1.3	6.6		700		590	14	0		
14N-22E-19DCB 1	01-01-65	14.0	0.1	0.9		7500		255	122	0		
14N-22E-19DCC 1	08-02-65	80.0	1.3	0.4		1200		620	10	0		
15N-21E-36CBB 1	01-01-65	16.0	0.3	2.2		700		285	54	0		
15N-22E-04ACB 1	08-02-65	30.0	0.2	2.7		0		470	60	0		
15N-22E-10BAD 1	01-01-65	6.0	0.0	2.2		0		170	148	0		
15N-22E-13CBB 1	01-01-65	6.0	0.7	3.1		700		265	230	12		
15N-22E-21ADD 1	08-02-65	70.0	1.5	0.0		50		370	80	0		
15N-22E-22CDD 1	01-01-65	18.0	0.4	62.0		1200		380	354	62		
15N-22E-28BBB 1	01-01-65	8.0	0.0	17.7		200		230	164	8		
15N-22E-30RCC 1	01-01-65	14.0	0.4	2.2		700		270	54	0		
16N-21E-11DDA 1	08-02-65	10.0	0.2	3.1		50		230	176	0		
16N-21E-23DBC 1	01-01-65	26.0	0.2	4.0				620	268	74		
16N-21E-23DCD 1	01-01-65	40.0	2.6	4.0		700		760	10	0		
16N-21E-23DDB 1	08-02-65	16.0	0.0	1.8				460	278	4		
16N-21E-23DDD 1	01-01-65	8.0	0.3	2.2		1500		460	244	100		
16N-21E-25BAD 1	01-20-67	5.0		6.8			216		172			
16N-21E-26ABC 1	01-01-65	18.0	0.3	2.2		700		430	210	30		
16N-21E-34DAA 1	08-02-65	12.0	0.1	5.8		100		294	252	0		
16N-22E-03CCB 1	11-20-46	9.0	0.0	30.0			224		181			
16N-22E-06DDD 1	01-01-65	134.0	3.3	3.0		900		860	24	0		
16N-22E-14HBA 1	08-02-65	20.0	0.0	7.0		1500		200	138	6		
16N-22E-14HBC 2	01-01-65	14.0	0.2	3.0		50		160	90	6		
16N-22E-15CAA 1	08-02-65	14.0	0.4	1.8		1300		230	168	0		
16N-22E-18HBC 1	11-01-65	72.0	0.9	3.5		12000	1500		1104			
17N-20E-02CCB 1	01-01-66	26.0	0.6	2.7		700	160		186			
17N-20E-03DCC 1	01-01-66	146.0	1.2	2.2		700			312			
17N-20E-07HCH 1	01-01-66	8.0	0.0	7.1		0	190		190			
17N-20E-10ABA 1	01-01-66	184.0	0.8	2.2			500		316			
17N-20E-10HBA 1	01-01-66	888.0	2.9	2.2			3000		142			
17N-20E-10BDC 1	01-01-66	528.0	1.8	2.2		1000	2300		136			
17N-20E-11ABA 1	01-01-66	12.0	0.1	3.1			210		218			

CHEROKEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MU-DA-YR)			(C.)						
17N-20E-11BAA 1	162	GD	01-01-66		7.70		82.0	3.0			66	35.0
17N-20E-13BCC 1	100	EM	01-01-66		7.70		49.0	18.0	110.0		190	105.0
17N-20E-13CCB 1	110	EM										
17N-20E-13CDD 1	342	GD	01-01-66		7.60		80.0	6.0			68	28.0
17N-20E-14AAB 1	402	GD	01-01-66		8.10		26.0	26.0			215	31.0
17N-20E-16ABB 1	70	EM	01-01-66		7.70		74.0	18.0			100	14.0
17N-20E-24AAA 1	300	EP	01-01-66		8.10		6.0	4.0			251	13.0
17N-20E-25ABB 1	322	LG	01-01-66		7.60		73.0	2.0			56	38.0
17N-20E-25BAB 1	332	LH	01-01-66		7.60		60.0	5.0			61	27.0
17N-20E-25BBB 1	202	GD	01-01-66		7.70		7.0	13.0			290	11.0
17N-20E-35DBD 1	182	GB	01-01-66		7.40		42.0	14.0			100	30.0
17N-21E-11AAD 1	100	GD	01-01-66		7.50		45.0	6.0			39	12.0
17N-21E-11ADD 1	65	GD	01-01-66		7.60		7.4				56	13.0
17N-21E-11CDB 1		GD	01-20-67	157	7.40				6.7		78	13.0
17N-21E-11DBB 1	85	GD	01-01-66		7.70		82.0	3.0			75	11.0
17N-21E-12BBC 1	142	GD	01-01-66		7.60		80.0	5.0			66	13.0
17N-21E-13DAA 1	282	LH	01-01-66		7.90		9.0	3.0			200	29.0
17N-21E-14ADD 1	342	LH	01-01-66		7.60		79.0	6.0			62	20.0
17N-21E-16BAC 1	182	HC	01-01-66		7.60		39.0	7.0			56	13.0
17N-21E-16BCA 1	264	HC	01-01-66		7.30		102.0	9.0			85	13.0
17N-21E-16CDD 1	102	GD	01-01-66		7.40		61.0	11.0			51	8.0
17N-21E-17BCH 1	162	EM	01-01-66		8.70		1.0	5.0			122	56.0
17N-21E-20CAC 1	182	GD	01-01-66		7.40		84.0	7.0			71	8.0
17N-21E-25AAD 1	82	GD	01-01-66		7.60		78.0	1.0			66	23.0
17N-21E-33BBB 1	120	GD	01-01-65		8.00		35.0	1.0	12.0		88	17.0
17N-22E-03CDH 1	122	GD	01-01-66		7.30		61.0	4.0			49	84.0
17N-22E-04BBA 1	302		01-01-66		7.40		50.0	3.0			46	12.0
17N-22E-05AUB 1	122	GD	01-01-66		7.30		32.0	0.5			29	10.0
17N-22E-05ADD 1	162	GD	01-01-66		7.70		34.0	4.0			32	7.0
17N-22E-09AAB 1	60	GD	01-01-66		7.30		3.0	2.0			5	23.0
17N-22E-09BBA 1	302		01-01-66				10.0	3.0			66	15.0
17N-23E-27AB 1	36	GD	11-20-46	47		16.5	50.0	4.9	40.0		204	15.0
18N-20E-22BCB 1		GD	10-14-68	182	7.70	20.0	30.0	1.0	2.8	1.6	98	0.5
18N-20E-28CCC 1	41	GD										
18N-21E-17BA 1	98	GD	11-20-46	36		15.5	39.0	8.7	15.0		86	18.0
18N-21E-34CDC 1	125	GD	01-01-66		7.60		54.0	3.0			37	75.0
18N-21E-34DCC 1	95	GD	01-01-66		7.20		48.0	4.0			34	29.0
18N-22E-15ABA 1	242		01-07-69	205	8.20				3.7		120	2.7
19N-21E-20CAC 1		GD										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NU3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES, AT	(CALC)	CA+MG	NON-		
							180 DEG)			CARB		
17N-20E-11BAA	1 01-01-66	6.0	0.4	0.4			340		218			
17N-20E-13BCC	1 01-01-66		1.3	0.0			650		190			
17N-20E-13CCR	1											FLD. DATA
17N-20E-13CDD	1 01-01-66	8.0	0.0	11.5		200	190		226			
17N-20E-14AAB	1 01-01-66	2136.0	16.9	2.2		3000	6200		170			
17N-20E-16ARB	1 01-01-66	30.0	0.9	2.2		200	270		260			
17N-20E-24AAA	1 01-01-66	232.0	2.4	0.0		300	830		16			
17N-20E-25ABR	1 01-01-66	6.0	3.4	13.6		100	169		192			
17N-20E-25BAB	1 01-01-66	8.0	0.2	8.9		0	170		190			
17N-20E-25BBB	1 01-01-66	208.0	4.1	0.0		300	810		72			
17N-20E-35DBD	1 01-01-66	84.0	2.9	0.4		300	330		164			
17N-21E-11AAD	1 01-01-66	12.0	0.0	8.9		1200	120		136			
17N-21E-11ADD	1 01-01-66	6.0	0.0	6.6			155		188			
17N-21E-11CDB	1 01-20-67	5.0		2.4			116		72			
17N-21E-11DBB	1 01-01-66	8.0	0.5	10.0		100						
17N-21E-12BBC	1 01-01-66	6.0	0.3	10.6		50	180		220			
17N-21E-13DAA	1 01-01-66	34.0	0.5			700	560		34			
17N-21E-14ADD	1 01-01-66	6.0	0.0	0.0		50	180		214			
17N-21E-16BAC	1 01-01-66	10.0	0.6	1.3		900	120		128			
17N-21E-16BCA	1 01-01-66	19.0	0.0	0.9		300	250		290			
17N-21E-16CDD	1 01-01-66	12.0	0.0	7.1		300	180		188			
17N-21E-17BCB	1 01-01-66	14.0	5.0	6.2		1200	450		20			
17N-21E-20CAC	1 01-01-66	12.0	0.0	0.0		300	190		240			
17N-21E-25AAD	1 01-01-66	4.0	0.4	0.4			175		200			
17N-21E-33BBB	1 01-01-65	4.0	0.1	24.0		2000	125		92			
17N-22E-03CDB	1 01-01-66	10.0	0.0	0.0		300	170		168			
17N-22E-04BBA	1 01-01-66	2.0	0.0	1.0		2000	125		138			
17N-22E-05ADB	1 01-01-66	4.0	0.0	4.4		50	74		82			
17N-22E-05ADD	1 01-01-66	8.0	0.0	0.0		3000	138		100			
17N-22E-09AAB	1 01-01-66	4.0	0.0	15.0		700	99		16			
17N-22E-09BBA	1 01-01-66	10.0	0.0	0.0		500	170		38			
17N-23E-27AB	1 11-20-46	26.0	0.0	2.5			274		145			
18N-20E-22RCB	1 10-14-68	5.6		1.9			107		80	0	0.1	
18N-20E-28CCC	1											FLD. DATA
18N-21E-17RA	1 11-20-46	29.0	0.0	45.0			243		133			
18N-21E-34CDC	1 01-01-66	22.0	1.0	33.2		400	170		140			
18N-21E-34DCC	1 01-01-66	4.0	0.4			1200	115		138			
18N-22E-15ABA	1 01-07-69	2.4		1.3			118		98	0		
19N-21E-20CAC	1											FLD. DATA



CHEROKEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
19N-21E-29BCC 1		GD										
19N-21E-32ADD 1		GD	10-14-68	213	8.10	20.0	41.0	0.0	3.4	1.3	122	1.0
19N-21E-35ACD 1		GD										
19N-22E-110BD 1	202	LH	01-03-69	272	8.40				11.0		160	0.6
19N-23E-25DCD 1	95	GD										
19N-23E-26DCA 1	82		01-07-69	450	8.20				8.5		264	35.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NON- CARB		SAR	REMARKS
19N-21E-29BCC 1												FLD. DATA
19N-21E-32ADD 1	10-14-68	4.2		4.0			125		102	2	0.1	FLD. DATA
19N-21E-35ACD 1												
19N-22E-110BD 1	01-03-69	3.6		5.1			184		120	0		FLD. DATA
19N-23E-25DCD 1												
19N-23E-26DCA 1	01-07-69	5.2		0.2			270		242	26		

CHOCTAW COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HC03	SO4
05S-13E-27B88 1	196	BK	04-07-70	776	8.10	14.5			93.0		250	175.0
05S-15E-33DCC 1		BK	04-01-70	497	7.70	17.0			6.2		288	24.0
05S-16E-24A88 1	24	BK	04-02-70	344	6.50	13.5			17.0		20	17.0
05S-17E-12AAA 1	15	UT	04-02-70	238	7.60	9.0			9.0		92	31.0
05S-17E-21D 1	200											
05S-19E-10888 1	110	BK										
05S-19E-35DDA 1	57	BK										
05S-20E-118CC 1	70	BK	03-12-70	101	7.10	14.5			2.8		16	21.0
05S-20E-31DAC 1	150	BK	03-12-70	313	7.00	15.0			16.0		40	96.0
06S-14E-29C88 1	330	BK	04-01-70	287	7.80	18.0			19.0		156	17.0
06S-15E-21CAB 1	200	BK	04-03-70	522	8.00	14.0			41.0		284	37.0
06S-16E-05B88 1	30	BJ	04-01-70	296	7.60	17.0			13.0		128	35.0
06S-17E-21CCA 1	326	BK										
06S-19E-03DDD 1	315	BK										
07S-15E-27ABB 1	289	BK	05-12-70	2020	9.50	18.0			470.0		468	215.0
07S-17E-23CC8 1	205	BK	04-08-70	728	8.10	15.0			182.0		420	21.0
08S-19E-02HCC 1	28	BJ	02-18-70	576	8.00	15.0			2.3		366	13.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							RES. AT	(CALC)	CA+MG	NON-		
							180 DEG			CARB		
05S-13E-27B88 1	04-07-70	17.0		0.0			499		208	3		
05S-15E-33DCC 1	04-01-70	4.6		0.0			275		254	18		
05S-16E-24AB8 1	04-02-70	56.0		41.0			271		108	92		
05S-17E-12AAA 1	04-02-70	6.4		1.5			158		98	22		
05S-17E-21D 1												FLD.DATA
05S-19E-10888 1												FLD.DATA
05S-19E-35DDA 1												FLD.DATA
05S-20E-118CC 1	03-12-70	8.0		0.0			57		40	27		
05S-20E-31DAC 1	03-12-70	9.0		0.0			197		110	77		
06S-14E-29C88 1	04-01-70	8.4		0.0			172		116	0		
06S-15E-21CAB 1	04-03-70	8.0		0.0			311		192	0		
06S-16E-05BAB 1	04-01-70	7.0		0.3			168		124	19		
06S-17E-21CCA 1												FLD.DATA
06S-19E-03DDD 1												FLD.DATA
07S-15E-27AB8 1	05-12-70	158.0		1.0			1290		38	0		
07S-17E-23CCB 1	04-08-70	24.0		1.4			448		5	0		
08S-19E-02BCC 1	02-18-70	3.4		3.2			370		316	16		



COAL COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HC03	SO4
	(FT)		(MO-DA-YR)			(C.)						
01N-09E-01	1	EJ	11-20-63	114000	8.10						780	30.0
01N-11E-18DCC	1	EK										
02N-10E-10AAD	1	EM										
01S-08E-32ADD	1	EM	08-12-63	614	7.60	18.5	120.0	9.8	3.0	0.5	396	12.0
			09-25-63	146	7.30				7.6		78	4.0
01S-10E-02	1	EK	07-18-66	5010	7.90				750.0		730	1980.0
01S-10E-17C	1	EM	05-06-65	462	8.00				36.0		256	21.0
01S-10E-17CAC	1	50	05-06-65	462	8.00				36.0		256	21.0

(14)		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION		DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NON-CARB		SAR	REMARKS
01N-09E-01	1	11-20-63	3640.0			3100		6620		146	0	94.0	FLD. DATA
01N-11E-18DCC	1												FLD. DATA
02N-10E-10AAD	1												FLD. DATA
01S-08E-32ADD	1	08-12-63	5.0	0.0	0.5	20	0	362		340	15	0.1	FLD. DATA
		09-25-63	9.0		0.1	70		80		64	0	0.4	
01S-10E-02	1	07-18-66	250.0		11.0	12000		3970		1390	791	8.7	
01S-10E-17C	1	05-06-65	14.0		0.2	60		253		174	0	1.2	
01S-10E-17CAC	1	05-06-65	14.0		0.2	60		253		174	0	1.2	

## CRAIG COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
24N-19E-14ABB 1	51	ED										
24N-19E-31CBC 1												
24N-19E-31CCB 1		OA										
24N-20E-20CCD 1	106	GB										
25N-18E-01CBB 1	82	EE										
25N-18E-08ABB 1	34	EE										
25N-18E-28AAB 1	32	EE										
25N-20E-12C 1	1139	EK	03-10-50	2210	7.90		38.0	23.0	372.0	27.0	124	28.0
			09-05-51	2350	7.70		50.0	22.0	394.0	11.0	201	21.0
25N-20E-12C 2	1080	EK	04-12-47	2030		20.0					211	26.0
25N-20E-12C 3	1240	EK	04-12-47	5390		21.5					182	64.0
25N-20E-12C 4	1139	EK	05-29-50	2750	7.30		68.0	31.0	452.0	25.0	178	28.0
25N-21E-25DDD 1	48	GD										
26N-18E-18ADD 1	26	EC										
26N-19E-13CBC 1	30	EI										
26N-21E-08DDD 1	91	ED										
26N-21E-27DDD 1	41	GB										
27N-19E-15CCC 1	29	EC										
27N-20E-02DDA 1	53	EJ										
27N-20E-12BDD 1	688	LQ										
27N-21E-28BBB 1	1418	LQ, HC										
27N-21E-28BBB 1	1400	LQ, HC	04-12-47	930		18.0	18.0	8.0	184.0		214	15.0
27N-21E-28DCC 1	155	EK										
28N-18E-05AAA 1	35											
28N-18E-29ABB 1	25	OA										
28N-19E-17ABB 1	54	EB										
28N-19E-23BBB 1	40	EC										
28N-19E-28BAB 1	91	EC										
28N-20E-07DDD 1	52	EJ										
28N-20E-25BHC 1	90	EJ										
28N-20E-29DCC 1	39	EE										
28N-21E-15CDC 1	26	EH										
29N-18E-19DAA 1	52	DZ										
29N-20E-23COD 1	43	EE										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT (CALC) 180 DEG)		HARDNESS CA+MG NON- CARB		SAR	REMARKS
24N-19E-14ABB 1												FLD. DATA
24N-19E-31CBC 1												FLD. DATA
24N-19E-31CCR 1												FLD. DATA
24N-20E-20CCD 1												FLD. DATA
25N-18E-01CBB 1												FLD. DATA
25N-18E-08ABB 1												FLD. DATA
25N-18E-28AAB 1												FLD. DATA
25N-20E-12C 1	03-10-50	620.0	2.2	4.5		100	1210		189	88		
	09-05-51	635.0	3.6	1.1		20	1290		216	51		
25N-20E-12C 2	04-12-47	552.0		1.0					184			
25N-20E-12C 3	04-12-47	1760.0		0.5					296			
25N-20E-12C 4	05-29-50	780.0	2.2	2.7		0	1570		297	151		
25N-21E-25DDD 1												FLD. DATA
26N-18E-18ADD 1												FLD. DATA
26N-19E-13CRC 1												FLD. DATA
26N-21E-08DDD 1												FLD. DATA
26N-21E-27DDD 1												FLD. DATA
27N-19E-15CCC 1												FLD. DATA
27N-20E-02DDA 1												FLD. DATA
27N-20E-12HDD 1												FLD. DATA
27N-21E-28RBB 1												FLD. DATA
27N-21E-28RRB 1	04-12-47	195.0	4.4	0.0					78			
27N-21E-28DCC 1												FLD. DATA
28N-18E-05AAA 1												FLD. DATA
28N-18E-29ABB 1												FLD. DATA
28N-19E-17ABB 1												FLD. DATA
28N-19E-23BBB 1												FLD. DATA
28N-19E-28BAH 1												FLD. DATA
28N-20E-07DDD 1												FLD. DATA
28N-20E-25BBC 1												FLD. DATA
28N-20E-29DCC 1												FLD. DATA
28N-21E-15CDC 1												FLD. DATA
29N-18E-19DAA 1												FLD. DATA
29N-20E-23COD 1												FLD. DATA

## CREEK COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
14N-07E-09ABA 1	168	DE										
14N-07E-10CB8 1	153	DE	04-27-71	896	7.60	16.5			25.0		374	7.0
14N-08E-04AAC 1	55	DE	11-06-70	251	7.20	17.0			30.0		76	15.0
14N-08E-07BCD 1	24	DE										
14N-08E-33ADD 1	28	DH	10-29-70	719	7.20	13.0			59.0		254	55.0
14N-09E-09ADD 1	62	DP	10-29-70	466	7.60	15.0			34.0		100	29.0
14N-10E-26CCH 1	40	OT	04-16-70	465	7.90	15.5			25.0		140	9.0
15N-07E-14BAB 1	142	DE										
15N-07E-25CCC 1	149	DE	10-11-74	365	7.40	19.0	12.0	15.0	13.0	1.3	217	2.8
15N-07E-278BA 1		DE										
15N-07E-328BC 1	216	DE										
15N-08E-06CDH 1	124	DE	06-11-71	426	8.00	21.0			12.0		254	11.0
15N-08E-30CCB 1	107	DE										
15N-09E-13DDD 1	33	DP	11-01-70	1000	8.20	17.0			32.0		508	51.0
16N-07E-11DCC 2	45	DE										
16N-07E-14DBC 1	40	DE										
16N-07E-14DBC 1	40	DE	11-04-70	1390	7.30	16.0			58.0		92	65.0
16N-07E-21ADA 1	117	DE	06-11-71	110	7.40	18.0			4.9		46	11.0
16N-07E-33DDA 1	100	DE	06-10-71	536	8.20	25.0			26.0		306	24.0
16N-09E-29C 1	200	DI	07-20-71	542	7.80	18.0			35.0		292	15.0
16N-10E-26DDA 1	80	DP	10-29-70	560	7.70	17.0			64.0		148	105.0
17N-07E-08CBD 1	425	DE										
17N-07E-08CCA 1	487	DE	07-23-71	644	8.10	18.0			110.0		302	28.0
17N-07E-25ADD 1	130	DE	04-23-71	244	7.20	16.0			17.0		108	14.0
17N-07E-300AD 1	142	DE										
17N-08E-08ACC 1	136	DE	06-15-71	382	8.00	22.0			25.0		240	4.4
17N-08E-098BA 1	97	DE										
17N-08E-16ADA 1	97	DE										
17N-08E-18AAA 1	164	DE										
17N-08E-19BBC 1	60	DE										
17N-08E-20AAC 1	157	DE										
17N-08E-23BBB 1	59	DE										
17N-08E-29DAD 1	130	DE										
17N-08E-31CCB 1		DE	06-15-71	2030	7.20	15.0			250.0		30	19.0
17N-08E-35BDA 1	121	DE	01-29-75	51	7.00	16.0	19.0	8.5	8.8	1.8	76	11.0
17N-09E-06ABH 1	100	DH	11-06-70	317	6.20	15.0			28.0		12	15.0
17N-09E-13CCB 1	100	DJ	04-09-70	635	8.20	17.0			53.0		344	28.0
17N-09E-19CCB 1	100		04-09-70	635	8.20	17.0			53.0		344	28.0
17N-10E-18CAA 1	90		04-09-70	1170	8.10	17.0			83.0		496	215.0



(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
14N-07E-09ABA 1												FLD.DATA
14N-07E-10CBB 1	04-27-71	100.0		0.5			486		400	94		
14N-08E-04AAC 1	11-06-70	30.0		4.0			146		58	0		
14N-08E-07BCD 1												FLD.DATA
14N-08E-33ADD 1	10-29-70	53.0		27.0			442		234	26		
14N-09E-09ADD 1	10-29-70	36.0		77.0			300		152	70		
14N-10E-26CCB 1	04-16-70	73.0		0.1			272		172	58		
15N-07E-14BAB 1												FLD.DATA
15N-07E-25CCC 1	10-11-74	6.9				200	201		92	0	0.6	2
15N-07E-27BBA 1												FLD.DATA
15N-07E-32BBC 1												FLD.DATA
15N-08E-06CDB 1	06-11-71	7.0		0.4			243		210	0	0.4	
15N-08E-30CCB 1												FLD.DATA
15N-09E-13DDD 1	11-01-70	48.0		35.0			583		195	78		
16N-07E-11DCC 2												FLD.DATA
16N-07E-14DHC 1												FLD.DATA
16N-07E-14DHC 1	11-04-70	230.0		214.0			859		515	440		
16N-07E-21ADA 1	06-11-71	9.0		0.8			77		50	12	0.3	
16N-07E-33DDA 1	06-10-71	16.0		2.2			324		260	5	0.7	
16N-09E-29C 1	07-20-71	27.0		0.0			303		220	0	1.0	
16N-10E-26DDA 1	10-29-70	37.0		6.9			351		148	27		
17N-07E-08CBD 1												FLD.DATA
17N-07E-08CCA 1	07-23-71	45.0		0.1			388		100	0	4.8	
17N-07E-25ADD 1	04-23-71	13.0		0.3			134		84	0		
17N-07E-30DAD 1												FLD.DATA
17N-08E-08ACC 1	06-15-71	7.0		0.8			235		160	0	0.9	
17N-08E-09BBA 1												FLD.DATA
17N-08E-16ADA 1												FLD.DATA
17N-08E-18AAA 1												FLD.DATA
17N-08E-19BBC 1												FLD.DATA
17N-08E-20AAC 1												FLD.DATA
17N-08E-23BBB 1												FLD.DATA
17N-08E-29DAD 1												FLD.DATA
17N-08E-31CCB 1	06-15-71	620.0		6.6			1400		410	386	5.4	
17N-08E-35BDA 1	01-29-75	16.0		0.2				242	82	20	0.4	
17N-09E-06ARB 1	11-06-70	43.0		97.0			216		102	92		
17N-09E-13CCB 1	04-09-70	29.0		0.0			370		236	0		
17N-09E-19CCB 1	04-09-70	29.0		0.0			370		236	0		
17N-10E-18CAA 1	04-09-70	32.0		1.2			775		495	88		

## CREEK COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
18N-06E-36DAD 1	538	DE	10-30-75	654			11.0	1.2	140.0	1.7	273	79.0
18N-06E-36DDD 1	490	DE	07-23-71	546	7.80	17.5			66.0		256	63.0
18N-07E-13AAD 1	77	DE	12-14-71	218	6.90				5.2		92	22.0
18N-07E-14 1		DE	05-01-48	512			51.0	19.0	36.0		216	51.0
18N-07E-16BAD 1	600	DE	04-01-75	1300	7.80	21.0	19.0	1.9	190.0	2.4	266	180.0
18N-07E-20A 1	124		06-08-71	733	8.20	18.0			29.0		266	110.0
18N-07E-35DDA 1	230		06-08-71	648	8.10	24.0			25.0		390	30.0
18N-08E-09DDD 1	70	DE										
18N-08E-14DAD 1	99	DE										
18N-08E-18BCC 1	120	DE	11-14-72	376	7.70		40.0	16.0	17.0		232	11.0
18N-08E-26CDC 1	98	DE										
18N-08E-32ABD 1	44	DE										
18N-08E-32CCC 1	50	DE										
18N-08E-33DD8 1		DI	01-29-75	126	6.20	14.0	7.0	3.1	11.0	1.0	12	8.6
18N-08E-33DDD 1	194	DE	01-29-75	126	6.20	14.0	7.0	3.1	11.0	1.0	12	8.6
18N-09E-09CDB 1	355	DI	08-03-73	371	7.30		35.0	13.0	16.0		105	23.0
19N-07E-03CDD 1	180	DE	02-23-73	1530	7.70		110.0	72.0	130.0		486	180.0
19N-07E-20AAA 1	120	DE										
19N-07E-25CDC 1	180	DE										
19N-08E-04DCC 1	67	OT	02-23-73	208	7.60		14.0	4.6	23.0		76	13.0
19N-09E-06A 1	45	OT	08-17-51	456	7.10		40.0	19.0	24.0	1.2	169	25.0
19N-09E-11A 1	110	DJ										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAP	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
18N-06E-36DAD 1	10-30-75	16.0				0	405				11.0	
18N-06E-36DDD 1	07-23-71	12.0		0.0			340		150	0	2.3	
18N-07E-13AAD 1	12-14-71	8.6		1.8			142		100	26	0.2	
18N-07E-14 1	05-01-48	37.0	0.0	1.5			308	302	205	25		
18N-07E-16BAD 1	04-01-75	49.0				20	595		55	0	11.0	
18N-07E-20A 1	06-08-71	52.0		0.7			480		360	140	0.7	
18N-07E-35DDA 1	06-08-71	13.0		0.4			358		310	0	0.6	
18N-08E-09DDD 1												FLD.DATA
18N-08E-14DAD 1												FLD.DATA
18N-08E-18BCC 1	11-14-72	5.0		0.0			207		170	0	0.6	
18N-08E-26CDC 1												FLD.DATA
18N-08E-32ABD 1												FLD.DATA
18N-08E-32CCC 1												FLD.DATA
18N-08E-33DOB 1	01-29-75	17.0					88		30	20	0.9	
18N-08E-33DD 1	01-29-75	17.0		0.1			88		30	20	0.9	
18N-09E-09CDB 1	08-03-73	47.0					214		140	55	0.6	
19N-07E-03CDD 1	02-23-73	140.0		83.0			960		560			
19N-07E-20AAA 1												FLD.DATA
19N-07E-25CUC 1												FLD.DATA
19N-08E-04DCC 1	02-23-73	5.4		27.0			132		54			
19N-09E-06A 1	08-17-51	20.0		38.0		4		282	178	39		
19N-09E-11A 1												FLD.DATA

## DELAWARE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
20N-22E-17A	1	500	GD	11-12-46	333		5.8	2.9	64.0		190	
20N-23E-30CCD	1	GD										
20N-23E-33DCC	1											
20N-23E-34CCA	1	1375	LO									
20N-24E-02DCD	1	94	GD									
20N-24E-04CDA	1	61	GD									
20N-24E-19AA	1	49	GD	11-21-46	359		7.8	1.7	63.0		62	26.0
20N-24E-21ADA	1	GD										
20N-24E-26CAA	1	140	GD									
20N-25E-04CDC	1	100	GD	11-19-68	193	7.80	16.0		1.2		112	0.2
20N-25E-14BAB	1	100	GD									
20N-25E-15ACD	1	GD										
20N-25E-26ACC	1	65	GD									
20N-25E-32BAB	1	GD	10-14-68	186	7.90	16.0	32.0	0.5	4.0	1.0	96	1.5
21N-22E-07ADC	1	125	GD	01-03-69	379	8.10			92.0		238	9.8
21N-23E-24RBA	1	200	GD	01-03-69	338	8.20			49.0		194	17.0
21N-24E-05ABC	1	57	GD									
21N-24E-12RBA	1	175	GD									
21N-24E-26CCD	1	86	GD									
21N-24E-34AAB	1	GD										
21N-25E-08DHC	1	117	GD									
21N-25E-19AAD	1	107	GD									
21N-25E-30AAD	1											
22N-22E-15ACD	1	200	GD	01-02-69	732	8.20			9.7		296	166.0
22N-23E-13AAB	1	GD										
22N-23E-14CBD	1	200	GD	01-02-69	264	8.20			7.8		120	31.0
22N-23E-19ADC	1	GD										
22N-23E-26AAD	1	GD										
22N-24E-06CAA	1	GD										
22N-24E-14AAA	1	56	GD									
22N-24E-22UCC	1	GD										
22N-24E-26AAB	1	82	GD	11-19-68	608	8.10	16.0		15.0		424	8.2
22N-25E-02CCB	1	90	GD									
22N-25E-20DCC	1	325	GD									
22N-25E-23DBD	1	37	GD	11-19-68	608	8.00	16.0		32.0		172	44.0
23N-22E-20AAD	1	GD										
23N-22E-32DD	1	65	GD	11-19-46	250	16.5	43.0	3.0	7.0		128	3.6
23N-23E-36AD	1	72	GD	11-19-46	283		54.0	2.0	5.5		154	3.7
			08-30-51	298	6.70		53.0	1.5	5.7	0.8	152	3.7

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARR		
20N-22E-17A 1	11-12-46	7.0	7.0	0.2			211		33			
20N-23E-30CCD 1												FLD.DATA
20N-23E-33DCC 1												FLD.DATA
20N-23E-34CCA 1												FLD.DATA
20N-24E-02DCD 1												FLD.DATA
20N-24E-04CDA 1												FLD.DATA
20N-24E-19AA 1	11-21-46	42.0	0.0	32.0			230		26			
20N-24E-21ADA 1												FLD.DATA
20N-24E-26CAA 1												FLD.DATA
20N-25E-04CDC 1	11-19-68	0.2		3.2			106		92	0		
20N-25E-14BAB 1												FLD.DATA
20N-25E-15ACD 1												FLD.DATA
20N-25E-26ACC 1												FLD.DATA
20N-25E-32BAB 1	10-14-68	4.0		10.0			107		82	4	0.2	
21N-22E-07ADC 1	01-03-69	3.0		0.1			240		9			
21N-23E-24BBA 1	01-03-69	11.0		0.1			212		86			
21N-24E-05ABC 1												FLD.DATA
21N-24E-12BBA 1												FLD.DATA
21N-24E-26CCD 1												FLD.DATA
21N-24E-34AAB 1												FLD.DATA
21N-25E-08DBC 1												FLD.DATA
21N-25E-19AAD 1												FLD.DATA
21N-25E-30AAD 1												FLD.DATA
22N-22E-15ACD 1	01-02-69	6.7		0.0			510		404	162		
22N-23E-13AAB 1												FLD.DATA
22N-23E-14CBD 1	01-02-69	3.2		0.2			160		118	20		
22N-23E-19ADC 1												FLD.DATA
22N-23E-26AAD 1												FLD.DATA
22N-24E-06CAA 1												FLD.DATA
22N-24E-14AAA 1												FLD.DATA
22N-24E-22DCC 1												FLD.DATA
22N-24E-26ABB 1	11-19-68	2.4		0.9			336		328	0		
22N-25E-02CCB 1												FLD.DATA
22N-25E-20DCC 1												FLD.DATA
22N-25E-23DBD 1	11-19-68	28.0		79.0			403		220	79		
23N-22E-20AAD 1												FLD.DATA
23N-22E-32DD 1	11-19-46	10.0	0.0	15.0			153		120			
23N-23E-36AD 1	11-19-46	9.0	0.0	15.0			183		143			
	08-30-51	9.5	0.0	13.0		20	182		138	14		



DELAWARE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HC(13)	SO4
23N-24E-03AAA 1	78	GD										
23N-24E-29AAB 1	56	GD	11-19-68	641	7.60	16.0			3.9		214	73.0
23N-25E-08AAA 1	122	GD										
23N-25E-17DDA 1		GD										
23N-25E-33DDC 1	1160	LQ	12-18-68	311	7.90				3.2		194	0.3
24N-22E-35DAD 1	91	GD	11-20-68	502	8.10	16.0			12.0		272	11.0
24N-23E-11AAB 1	40	GD										
24N-23E-15BB 1	1145	LQ,LR										
24N-23E-29BBB 1	200	GD										
24N-24E-19DD 1	70	GD	11-19-46	310		16.5	59.0	2.1	5.2		186	3.0
24N-25E-17ADA 1	92	GD	11-20-68	508	8.20	16.0			18.0		220	13.0
24N-25E-22CAA 1		GD	10-15-68	451	7.90	17.5	54.0	3.4	30.0	3.0	160	1.8
25N-22E-29ADA 1	78	GD	11-20-68	352	8.00	16.0			3.9		208	10.0
25N-23E-11CAD 1	96	GD	11-20-68	611	8.00	16.0			14.0		244	24.0
25N-24E-28BBB 1	1600	LQ	12-15-68	668	7.80				82.0		220	7.9
25N-25E-17CCD 1	110	GD	11-21-68	368	8.10	16.0			6.0		192	4.2

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NON- CARB		SAR	REMARKS
23N-24E-03AAA 1												FLD. DATA
23N-24E-29AAB 1	11-19-68	9.2		5.3			417		260	84		FLD. DATA
23N-25E-08AAA 1												FLD. DATA
23N-25E-17DDA 1												FLD. DATA
23N-25E-33DDC 1	12-18-68	1.6		2.0			167		156	0		
24N-22E-35DAD 1	11-20-68	16.0		10.0			296		240	17		
24N-23E-11ABH 1												FLD. DATA
24N-23E-15BB 1												FLD. DATA
24N-23E-29BBB 1												FLD. DATA
24N-24E-19DD 1	11-19-46	7.0	0.0	4.0			187		156			
24N-25E-17ADA 1	11-20-68	22.0		49.0			317		224	44		
24N-25E-22CAA 1	10-15-68	49.0		4.2			243		148	17	1.1	
25N-22E-29ADA 1	11-20-68	2.0		0.5			194		176	6		
25N-23E-11CAD 1	11-20-68	18.0		79.0			410		284	84		
25N-24E-28BBB 1	12-15-68	90.0		0.1			350		136	0		
25N-25E-17CCD 1	11-21-68	3.7		32.0			219		180	22		

## HASKELL COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
07N-19E-04CBD 1	44	EK										
07N-19E-22BDB 1	52	EJ										
07N-20E-02BCB 1	94	EK	11-01-66	879	8.70	16.5			217.0		520	10.0
07N-20E-07CDC 1	45	EJ										
07N-21E-01ADC 1	63	EK										
08N-18E-06CCC 1	38	EH										
08N-18E-15ABC 1	61	EH										
08N-19E-02CDA 1	84	EH										
08N-19E-22BDB 1	52	EJ	11-02-66	2150	8.20	18.0			282.0		456	750.0
08N-20E-23DAD 1	90	EK										
08N-21E-05DAD 1	68	EK	11-02-66	638	7.60	18.0			96.0		398	7.0
08N-21E-26CCB 1	70	EK										
08N-21E-2PCCC 1	160	EK										
08N-22E-18ADA 1	56	EK										
08N-22E-22DCC 1	38	EK										
08N-22E-32HBB 1	61	EK	07-20-66	1140	8.10				42.0		286	350.0
09N-18E-08ABB 1	100	EH										
09N-18E-11AAB 1	76	EH										
09N-18E-27CAB 1	43	EI	10-26-66	381	8.00	18.5			25.0		152	43.0
09N-19E-09BDC 1	64	EK										
09N-19E-25AAD 1	121	EK	10-26-66	950	8.20	18.0			237.0		564	15.0
09N-19E-29BAB 1	27	EH										
09N-20E-15DBA 1	168	EK	10-26-66	823	8.40	18.5			176.0		252	114.0
09N-20E-20DCC 1	33	EK										
09N-20E-35DD 1	71	EK										
09N-21E-02CBB 1	43	EK										
09N-21E-05DAC 1	67	EK	06-27-66	457	8.20	22.0			44.0		290	14.0
09N-21E-26DAD 1	71	EK										
09N-22E-09DD 1	50	EK	11-01-66	928	7.80				165.0		244	75.0
09N-23E-11AAB 1	47	EK										
09N-23E-28DCC 1	26	EK										
10N-20E-10AAA 1		QA	05-14-59	718	8.60		18.0	27.0	99.0		270	2.1
			08-17-59	735	8.20		32.0	24.0	103.0		284	40.0
10N-20E-11BCC 1		QA	05-14-59	597	8.60		18.0	31.0	59.0		176	1.6
			08-17-59	753	8.20		48.0	35.0	60.0		290	27.0
10N-20E-11CLC 1		QA	05-14-59	1050	8.40		23.0	27.0	163.0		262	2.1
			08-17-59	1200	8.00		89.0	177.0	136.0		384	16.0
10N-20E-35AAA 1	52	EJ	11-02-66	545	8.20	17.0			48.0		230	22.0
10N-21E-09BDC 1	75	EK										

[illegible]

## HASKELL COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCU3	SO4
10N-21E-23CCC 1	78	EK	06-28-66	492 8.30	20.5				85.0		292	26.0
10N-22E-010DD 1	32	OA	07-10-58	706 7.50					20.0		380	
10N-22E-040DD 1	19	EK										
10N-22E-11AAA 1	32	OA	07-10-58	706 7.60					6.2		414	
10N-22E-11BBA 1	32	OA	07-11-58	638 7.80					24.0		464	
10N-22E-14BCC 1	46	EK										
10N-22E-25CCB 1	51	EK										
10N-22E-35ABA 1	45	EK	07-20-66	1820 7.00					81.0		24	32.0
10N-23E-09CDC 1	32	OA	07-08-58	887 7.70					46.0		510	
10N-23E-10CCA 1	32	OA	07-08-58	808 7.50					15.0		444	
10N-23E-11BBC 1	32	OA	07-09-58	860 7.70					38.0		546	
10N-23E-11DCC 1	32	OA	07-09-58	577 7.70					8.5		376	
10N-23E-12CBB 1	32	OA	07-09-58	654 8.10					13.0		452	
10N-23E-14CBB 1	32	OA	07-02-58	476 7.80					10.0		272	
10N-23E-15BDC 1	35	OA	07-08-58	532 7.70					13.0		348	
10N-23E-15CAB 1	44	OA										
10N-23E-16CBB 1	32	OA	07-09-58	536 7.10					12.0		324	
10N-23E-16DAB 1	32	OA	05-13-59	450 8.50			22.0	20.0	38.0		138	21.0
10N-23E-17BDA 1	105	EK	07-20-66	1150 8.10	17.0				151.0		468	238.0
10N-23E-22BAA 1	32	OA	07-08-58	561 7.90					16.0		358	
10N-23E-26AAD 1	62	EH										
10N-23E-32ACD 1	40	EH										
11N-22E-29CBB 1	71	EK										
11N-22E-29CBB 2	105	EK										
11N-22E-34DDD 1	30	OA	07-11-58	666 7.80					14.0		488	
11N-22E-35CCC 1	52	OA										
11N-22E-35DDD 1	35	OA	07-11-58	714 7.70	18.0				14.0		416	
11N-23E-31COD 1	30	OA	07-11-58	890 7.60	18.5				32.0		524	
11N-23E-31OCC 1	40	OA										
11N-23E-31ODD 1	50	OA										



(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
10N-21E-23CCC 1	06-28-66	3.6		0.3			286		136		3.2	
10N-22E-010DD 1	07-10-58	15.0		33.0			430		376	64	0.4	
10N-22E-040DD 1												FLD. DATA
10N-22E-11AAA 1	07-10-58	27.0		0.0					416	76	0.1	
10N-22E-11HBA 1	07-11-58	7.4		0.0					382	2	0.5	
10N-22E-14HCC 1												FLD. DATA
10N-22E-25CCB 1												FLD. DATA
10N-22E-35ABA 1	07-20-66	318.0		389.0			1350		640		1.4	
10N-23E-09CDC 1	07-08-58	56.0		0.1					476	58	0.9	
10N-23E-10CCA 1	07-08-58	20.0		0.0			486		476	112	0.3	
10N-23E-11HBC 1	07-09-58	45.0		4.4					488	40	0.7	
10N-23E-11DCC 1	07-09-58	4.8		0.4					334	26	0.2	
10N-23E-12CHB 1	07-09-58	20.0		0.4					410	40	0.3	
10N-23E-14CHB 1	07-02-58	36.0		0.0					284	61	0.3	
10N-23E-15BDC 1	07-08-58	29.0		0.0					336	51	0.3	
10N-23E-15CAB 1												FLD. DATA
10N-23E-16CBB 1	07-09-58	5.0		12.0					300	34	0.3	
10N-23E-16DAB 1	05-13-59	54.0		0.4			245		138	15	1.4	
10N-23E-17BDA 1	07-20-66	12.0		0.3					320		3.7	
10N-23E-22BAA 1	07-08-58	23.0		0.6	20				348	54	0.4	
10N-23E-26AAD 1												FLD. DATA
10N-23E-32ACD 1												FLD. DATA
11N-22E-29CBB 1												FLD. DATA
11N-22E-29CBB 2												FLD. DATA
11N-22E-340DD 1	07-11-58	13.0		0.0					436	36	0.3	
11N-22E-35CCC 1												FLD. DATA
11N-22E-35DDD 1	07-11-58	26.0							444	103	0.3	
11N-23E-31CDD 1	07-11-58	41.0		14.0	40				504	74	0.6	
11N-23E-31DCC 1												FLD. DATA
11N-23E-31DDD 1												FLD. DATA

# HUGHES COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI-FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
05N-08E-31CB	1 60	DX	08-30-66	451	7.90	18.5			16.0		256	20.0
05N-09E-31BC	1 66		08-05-66	150	7.70				7.1		36	9.0
05N-09E-31CB	1 78		08-30-66	451	7.90	18.5			16.0		256	20.0
06N-09E-09C	1 60	OA	07-14-67	7650	7.60				1080.0	5.3	190	47.0
06N-09E-11CDA	1	OA	07-24-68	398	8.30	14.5		18.0	1.8	0.4	212	19.0
06N-09E-13A	1 51	EA	03-06-64	754	7.20		80.0	25.0	45.0		340	5.0
07N-09E-02D	1	DX	05-17-63	954	8.10	21.0			147.0		456	25.0
07N-09E-08CDC	1 350	DV	02-16-67	449	8.00				42.0	1.3	172	52.0
07N-11E-26BRC	1 60	EE	06-24-70	492	7.40	18.5			34.0		126	51.0
08N-10E-33CA	1 100		01-04-67	7080	8.50				1500.0	8.8	440	25.0
08N-11E-24ADD	1 18	EE	06-24-70	214	7.60	19.0			17.0		76	37.0
09N-09E-33CBB	1 70	OT	06-25-70	383	7.40				64.0		188	17.0
09N-10E-27DDC	1 26	DX	06-25-70	291	7.10				19.0		82	35.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARR		
05N-08E-31CB	1 08-30-66	8.0		0.0	70		278		208	0		
05N-09E-31BC	1 08-05-66	6.2			40		121		32	2		
05N-09E-31CB	1 08-30-66	8.0		0.0	70		278		208	0	0.5	
06N-09E-09C	1 07-14-67	2500.0		0.9	49		5800		1420		12.0	
06N-09E-11CDA	1 07-24-68	9.0		0.3	80				176	0	0.6	
06N-09E-13A	1 03-06-64	83.0		0.1	70		456		302	23	1.1	
07N-09E-02D	1 05-17-63	67.0					564		174	0	4.9	
07N-09E-08CCC	1 02-16-67	46.0		0.9	60		348		166	25	1.4	
07N-11E-26BHC	1 06-24-70	57.0		1.6			297		164	1		
08N-10E-33CA	1 01-04-67	2100.0		0.3	22000		3900		128	0	58.0	
08N-11E-24ADD	1 06-24-70	3.1		1.2			138		68	6		
09N-09E-33CHB	1 06-25-70	21.0		1.0			250		62	0		
09N-10E-27DDC	1 06-25-70	27.0		0.7			181		70	3		

## JOHNSTON COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
02S-05E-06B 1	110	LI	10-04-56	471	7.90	13.0	40.0	38.0	6.1	1.0	306	12.0
02S-08E-21C 1		LI	08-15-63	633	8.20				8.0		396	11.0
03S-05E-28CDC 1	28	BK										
03S-06E-04CDC 1	25	NA										
03S-08E-25RBB 1	25	BK	03-22-48	279			14.0	5.7	29.0		33	3.2
04S-07E-03AC 1	32	BK	03-22-48	356			27.0	8.7	15.0		21	62.0

(14)		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION		DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	(CALC)	HARDNESS CA+MG NON-CARB		SAR	REMARKS
02S-05E-06B	1	10-04-56	11.0	0.0	2.4		0	251		258	7	0.2	
02S-08E-21C	1	08-15-63	18.0			10		359		344	19	0.2	
03S-05E-28CDC	1												FLD. DATA
03S-06E-04CDC	1												FLD. DATA
03S-08E-258BB	1	03-22-48	56.0	0.0	16.0			173		58	31		
04S-07E-034C	1	03-22-48	8.0	0.0	0.0			215		103	44		



## KAY COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
25N-01E-0688B	1 45	OA	08-10-72	972	7.60	16.0	110.0	35.0	48.0		350	190.0
25N-01E-06CDC	1 46	OA	08-10-72	746	7.80	16.0	94.0	26.0	39.0		358	110.0
25N-01W-03D	1 20	OT	08-18-60	736	7.90	15.5	62.0	32.0	51.0		288	32.0
25N-01W-25A	1	OA	12-12-52	917	7.40		103.0	27.0	66.0	2.4	503	29.0
25N-01W-25U	1	OA	12-12-52	1770	7.60		99.0	91.0	153.0	1.2	755	4.9
25N-01W-26D	1	OA	12-12-52	7690	7.30		462.0	434.0	526.0	5.0	598	74.0
25N-02W-02BCB	1 26	OA	08-10-72	1090	7.80	17.0	88.0	40.0	110.0		526	66.0
26N-01E-02CBC	1 26	CS	08-11-72	3820	7.70	18.5	590.0	140.0	240.0		316	1700.0
26N-01E-22AA	1		01-01-36		7.66		114.0	23.0	38.0		352	80.0
26N-02E-03CC	1		01-01-36		7.15		215.0	109.0	478.0		395	350.0
26N-02E-26BDD	2 39	OA	02-20-48	765		17.0	78.0	14.0	5.3		143	48.0
26N-01W-07BHC	1 88	CS										
26N-01W-07BCB	1 32	CS										
26N-02W-20DCD	1 24	CS	08-10-72	676	7.30	18.0	48.0	19.0	68.0		204	42.0
27N-03E-04CCC	1 41		09-26-72	2500	8.10	16.5	150.0	81.0	320.0		864	170.0
27N-01W-06DAD	1 21	CS	04-14-72	761	7.80	14.0			46.0		454	28.0
27N-01W-20ADD	1 42	CS	04-14-72	2330	7.50	20.0			85.0		324	720.0
28N-02E-09IDD	1		01-01-36		7.05		532.0	72.0			300	396.0
28N-02E-14BC	1		01-01-36		7.14		201.0	103.0	33.0		340	193.0
28N-03E-04DDD	1 28		09-26-72	1080	8.20	16.0	26.0	16.0	200.0		344	61.0
28N-01W-14CCC	1 23	CS	04-11-72	2120	7.50	15.0			130.0		316	780.0
28N-01W-17AAA	1 39	OT	08-11-72	1950	7.40	15.0	230.0	52.0	140.0		294	410.0
28N-01W-17CC	1		09-21-51	1580	7.10		184.0	46.0	102.0	4.6	291	386.0
28N-01W-19AAD	1 40		04-14-72	4310	7.30	14.5			320.0		366	380.0
29N-04E-22CCB	1 280		09-27-72	948	8.30	17.0	36.0	34.0	160.0		376	230.0
29N-02W-35ABB	1 40	OA	08-11-72	1280	7.70	22.0	2.4	0.2	310.0		506	88.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
25N-01E-06888	1 08-10-72	22.0		0.1			640		420	130	1.0	
25N-01E-06CDC	1 08-10-72	12.0		0.2			476		340	48	0.9	
25N-01W-03D	1 08-18-60	38.0		90.0			481		285	49	1.3	
25N-01W-25A	1 12-12-52	48.0	0.3	0.6		80	524		368	0		
25N-01W-25D	1 12-12-52	230.0	0.6	0.0		200	983		622	3		
25N-01W-26D	1 12-12-52	2450.0	0.3	0.0		100	4970		2940	2450		
25N-02W-028CB	1 08-10-72	72.0		3.6			675		380	0	24.0	
26N-01E-02CBC	1 08-11-72	350.0		38.0			3640		2000	1800	2.3	
26N-01E-22AA	1 01-01-36	121.0					667		379			
26N-02E-03CC	1 01-01-36	949.0					2632		982			
26N-02E-268DD	2 02-20-48	64.0	0.2	7.0			324		252	135		
26N-01W-07HHC	1											FLD. DATA
26N-01W-07BCB	1											FLD. DATA
26N-02W-20DCD	1 08-10-72	58.0		56.0			429		200	31	2.1	
27N-03E-04CCC	1 09-26-72	370.0		5.7			1570		710	2	5.2	
27N-01W-06DAD	1 04-14-72	17.0		3.0		70	458		330	0	1.1	
27N-01W-20ADD	1 04-14-72	250.0		21.0		88	1910		1200	930	1.1	
28N-02E-09DD	1 01-01-36	108.0					2800		1625			
28N-02E-14BC	1 01-01-36	372.0					1643		925			
28N-03E-04DDD	1 09-26-72	150.0		1.5			632		130	0	7.6	
28N-01W-14CCC	1 04-11-72	54.0		170.0		53	1770		1000	740	1.8	
28N-01W-17AAA	1 08-11-72	260.0		34.0			1510		790	550	2.2	
28N-01W-17CC	1 09-21-51	154.0	0.3	15.0		0	1080		648	410		
28N-01W-19AAD	1 04-14-72	1100.0		45.0		70	3290		1600	1300	3.5	
29N-04E-22CCB	1 09-27-72	33.0		0.1			694		230	0	4.6	
29N-02W-35ABB	1 08-11-72	47.0		120.0			805		7	0	50.0	

## LATIMER COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
03N-18E-28DDD 1	30	FA	10-28-70	258	7.40	18.5			36.0		128	11.0
03N-19E-15D8A 1	28	OC	10-28-70	46	6.40	19.0			4.4		10	6.6
04N-19E-21AAB 1	23	EM	12-03-70	236	7.60	19.0			16.0		100	22.0
05N-17E-02DD8 1												
05N-19E-24B 1			03-30-60	501	7.40	15.5	91.0	6.6	5.5		296	9.9
05N-20E-12BDB 1	80	EM	12-02-70	388	7.80	19.0			23.0		232	13.0
05N-20E-18CDC 1	33	EM	12-02-70	345	7.60	19.0			54.0		152	35.0
05N-20E-31CBB 1	200	EM	12-03-70	516	7.50	19.0			77.0		180	36.0
05N-21E-22BAA 1	74	EM	12-02-70	1110	7.70	19.5			80.0		230	234.0
05N-21E-29D 1			03-30-60	701	7.20	16.0	112.0	15.0	25.0		366	48.0
05N-21E-32A 1			03-30-60	142	7.60	13.0	24.0	1.5			82	6.6
06N-18E-24BDH 1		EJ	02-25-71	136	6.50	17.5			12.0		28	25.0
07N-19E-33BC 1	126	EJ	03-29-60	1600	8.70		2.0	1.7	388.0		664	2.9
07N-19E-34DDD 1			03-29-60	39	5.60	18.0	2.4	1.0	5.1		12	6.2
07N-19E-35C 1			03-29-60	96	6.60	16.0	4.0	2.4	14.0		28	7.4
07N-19E-36B 1	80	EJ	03-29-60	815	7.10	14.5	42.0	14.0	134.0		474	2.9

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	HARDNESS (CALC) CA+MG NON- CARB			SAR	REMARKS
03N-18E-28DDD 1	10-28-70	5.0		14.0			149	56	0			
03N-19E-15DBA 1	10-28-70	3.0		3.3			35	12	4			
04N-19E-21AAB 1	12-03-70	14.0		1.4			142	90	8			
05N-17E-02DDB 1												FLD. DATA
05N-19E-24B 1	03-30-60	9.2		0.0			293	254	12	0.2		
05N-20E-12HDB 1	12-02-70	6.0		0.1			236	160	0			FLD. DATA
05N-20E-18CDC 1	12-02-70	8.0		0.1			213	54				FLD. DATA
05N-20E-31CHB 1	12-03-70	22.0		40.0			317	80	0			
05N-21E-22BAA 1	12-02-70	108.0		5.1			720	420	230			
05N-21E-29D 1	03-30-60	31.0		0.0			4	340	40	0.6		
05N-21E-32A 1	03-30-60	2.7		0.1			98	66	0	0.3		
06N-18E-24HDB 1	02-25-71	10.0		0.0			90	36	13			
07N-19E-33BC 1	03-29-60	191.0		1.7			965	12	0	49.0		
07N-19E-34DDD 1	03-29-60	3.2		0.0			37	10	0	0.7		
07N-19E-35C 1	03-29-60	14.0		0.0			76	20	0	1.3		
07N-19E-36B 1	03-29-60	44.0		3.0			505	164	0	4.6		

## LEFLORE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HC03	SO4
01N-23E-29CAA 1	140	FA	07-30-70	333	7.30	18.0			11.0		210	6.6
01N-25E-33ACA 1	180	FA	07-22-70	222	7.70	18.0			44.0		140	9.0
01N-27E-31DCB 1	75	FA	07-22-70	101	6.70	18.0			9.9		58	5.8
02N-25E-14BDC 1	68	FA	08-13-70	1420	8.00	18.0			154.0		422	346.0
03N-24E-29CDD 1	18	OC	02-25-71	68	6.50	18.0			9.0		14	11.0
03N-24E-36ACA 1	150	FA	08-18-70	422	7.70	19.0			92.0		264	2.0
03N-25E-21DDD 1	585	ET	08-18-70	298	7.50	25.0			37.0		184	5.8
03N-25E-26DOB 1		FA										
03N-26E-17ADB 1	87	EM	08-13-70	1200	7.90	18.0			182.0		550	2.0
04N-21E-36CCD 1	21	FA	12-02-70	174	7.40	19.0			23.0		72	14.0
04N-25E-24BCC 1	200	EM	08-18-70	470	7.80	22.5			97.0		278	6.2
04N-25E-30ADB 1	43	EM	08-12-70	136	6.80	18.2			9.0		24	6.2
04N-25E-32DBH 1	300	EM	08-18-70	439	7.60	21.0			54.0		248	17.0
04N-26E-18BAB 1	95	EM	08-13-70	208	7.60	17.5			30.0		116	3.8
04N-27E-30BAC 1	87	EM	08-12-70	563	7.90	18.0			76.0		226	7.2
05N-25E-23AAA 1	28	EM	07-22-70	302	7.00	18.0			11.0		172	21.0
06N-23E-20ABC 1	43	EI	08-11-70	650	8.00	18.0			49.0		208	34.0
06N-26E-20DAA 1	140	EK	02-24-71	490	7.70	19.0			91.0		252	25.0
06N-27E-22CCC 1	70	EK	02-24-71	325	7.80	18.0			49.0		126	29.0
07N-23E-08ADA 1	145	EJ										
07N-23E-11BDA 1	39	EJ										
07N-23E-13BAA 1	33	EJ	11-01-66	308	8.10	18.0						
07N-24E-03CDD 1	64	EM										
07N-25E-11ABC 1	63	EJ	10-25-66	735	8.20	18.0			72.0		232	196.0
07N-26E-33BDD 1	148	EK	10-31-66	1420	8.40	18.0			349.0		780	4.2
07N-26E-33DAA 1	38	EK										
07N-27E-05ADD 1	46	EM										
08N-23E-08BBB 1	56	EK										
08N-23E-08CBB 1		EK										
08N-23E-19AAC 1	65	EM	11-01-66	234	7.70	18.0			40.0		72	28.0
08N-24E-18DAD 1	35	EK										
08N-24E-32AAC 1	61	EK	08-03-66	321	8.10	18.0			67.0		168	5.0
08N-25E-03CCC 1	21	EK										
08N-25E-16 1		EL	08-07-51	904	8.30		29.0	19.0	149.0	2.4	271	224.0
08N-25E-36HAA 1	41	EK	11-01-66	443	7.80	18.5			38.0		110	48.0
08N-26E-11DBC 1	150	EM	10-31-66	986	8.50	18.0					524	49.0
08N-26E-14AHA 1	44	EM										
08N-26E-20CCC 1	100	EK										
08N-26E-35HAA 1	99	EK	07-04-66	2100	8.30				475.0		418	585.0



(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NON- CARR		SAR	REMARKS
01N-23E-29CAA 1	07-30-70	2.6		0.1			210		158	0		
01N-25E-33ACA 1	07-22-70	1.6		0.0			165		30	0		
01N-27E-31DCB 1	07-22-70	3.0		0.0			80		36	0		
02N-25E-148DC 1	08-13-70	70.0		6.2			974		475	129		
03N-24E-29CDD 1	02-25-71	3.8		1.6			50		10	0		
03N-24E-36ACA 1	08-18-70	4.6		0.0			261		24	0		
03N-25E-21UDD 1	08-18-70	2.8		0.5			192		80	0		
03N-25E-26UDB 1												FLD. DATA
03N-26E-17ADB 1	08-13-70	136.0		0.1			688		248	0		
04N-21E-36CCD 1	12-02-70	7.0		5.6			130		38	0		
04N-25E-248CC 1	08-18-70	15.0		0.0			285		44	0		
04N-25E-30ADB 1	08-12-70	17.0		4.2			64		34	14		
04N-25E-32DDB 1	08-18-70	12.0		0.0			255		120	0		
04N-26E-18BAB 1	08-13-70	6.8		0.1			117		42	0		
04N-27E-30BAC 1	08-12-70	68.0		0.0			321		122	0		
05N-25E-23AAA 1	07-22-70	4.0		2.4			198		146	5		
06N-23E-20ABC 1	08-11-70	84.0		0.0			376		218	48		
06N-26E-20DAA 1	02-24-71	21.0		0.2			298		64	0		
06N-27E-22CCC 1	02-24-71	18.0		0.0			193		52	0		
07N-23E-08ADA 1												FLD. DATA
07N-23E-11BDA 1												FLD. DATA
07N-23E-13BAA 1	11-01-66			0.0			188		70		2.2	
07N-24E-03CDD 1												FLD. DATA
07N-25E-11ABC 1	10-25-66	4.1		0.1					244		2.0	
07N-26E-33BDD 1	10-31-66	80.0		0.7					24		31.0	
07N-26E-33DAA 1												FLD. DATA
07N-27E-05ADD 1												FLD. DATA
08N-23E-08BHB 1												FLD. DATA
08N-23E-08CBH 1												FLD. DATA
08N-23E-19AAC 1	11-01-66	1.0		2.9			154		26		3.4	
08N-24E-18DAD 1												FLD. DATA
08N-24E-32AAC 1	08-03-66	2.0		0.4					26		5.7	
08N-25E-03CCC 1												FLD. DATA
08N-25E-16 1	08-07-51	16.0	0.5	1.4		40	623		150	0		
08N-25E-36RAA 1	11-01-66	4.0		15.0					132		1.4	
08N-26E-11DHC 1	10-31-66	2.0		1.0			627		4		53.0	
08N-26E-14ABA 1												FLD. DATA
08N-26E-20CCC 1												FLD. DATA
08N-26E-35BAA 1	07-04-66	72.0		38.0					58		27.0	

## LEFLORE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HC03	SO4
09N-27E-08DBA 1	41	EM										
09N-24E-18AAA 1	59	EK										
09N-24E-26HDD 1	30	EM										
09N-24E-30DAB 1	44	EM										
09N-25E-01CDB 1	42	OA	05-18-59	710	8.00	18.0	106.0	29.0	12.0		458	15.0
09N-25E-06ABB 1	34	OA	10-03-58	733	8.00	16.5	98.0	1.3	21.0	0.7	240	35.0
09N-25E-06DDD 1	31	OA	12-12-58	547	8.10	17.0	83.0	12.0	14.0	0.8	334	4.1
09N-25E-21CCD 1	65	EK	05-08-66	430	7.60				37.0		68	141.0
09N-26E-03DCA 1	125	OA	04-04-63	1020	8.90				250.0		488	45.0
09N-26E-06BBC 1	32	OA	12-08-58	473	8.20	18.0	61.0	17.0	11.0	1.0	268	14.0
09N-26E-06CBC 1	21	OA	12-08-58	419	8.20	19.0	51.0	30.0	18.0	1.3	288	30.0
09N-26E-07BHC 1	26	OA	12-08-58	806	8.30	19.0	106.0	38.0	18.0	1.1	412	50.0
09N-26E-12ABA 1	38	OA	08-19-59	419	8.20		53.0	19.0	12.0		216	36.0
			03-04-60	762	8.20		118.0	6.2	50.0		492	0.8
			03-04-60	747	8.10		120.0	27.0	7.1		484	0.8
09N-26E-12BAA 1	41	OA	08-19-59	744	8.30		56.0	48.0	49.0		460	20.0
09N-26E-12BRC 1	35	OA	08-19-59	694	8.50		35.0	21.0	109.0		424	16.0
09N-26E-23DRA 1	77	EK	10-25-66	468	8.20	18.0			37.0		168	37.0
09N-26E-31BBA 1	48	EK										
09N-26E-35ABD 1	62	EM										
09N-27E-06HAA 1	42	OA										
09N-27E-06BDA 1	42	OA	05-29-58	365	7.90	18.0			15.0		152	
09N-27E-06CCC 1	40	OA	08-19-59	519	8.20		50.0	23.0	36.0		308	16.0
09N-27E-28ABH 1	41	EK										
10N-24E-14BCC 1	32	OA	10-02-58	337	8.00	16.5	38.0	16.0	11.0	1.2	148	27.0
10N-24E-15BAA 1	31	OA	10-02-58	312	8.10	17.5	29.0	16.0	11.0	1.1	160	13.0
10N-24E-16ACD 1	29	OA	01-01-58	254	7.90				21.0		132	
10N-24E-16BAA 1	32	OA	01-15-58	336	8.40	18.0			10.0		192	
			08-18-59	704	8.30		122.0	16.0	16.0		358	59.0
10N-24E-16BAA 2	31	OA										
10N-24E-16DAA 1	33	OA										
10N-24E-16DBA 1	32	OA	01-16-58	305	8.60	17.0			9.3		168	
10N-24E-23BHC 1	42	OA	06-04-58	320	8.20				19.0		216	
10N-24E-23HCP 1	43	OA										
10N-24E-23DBA 1	38	OA	07-30-59	316	8.30	18.0	26.0	19.0	32.0		140	71.0
10N-24E-24AAA 1	35	OA	06-04-58	334	8.10				13.0		180	
10N-24E-24AAD 1	49	OA										
10N-24E-25AAR 1	32	OA	10-03-58	456	8.20		70.0	11.0	12.0	0.2	204	20.0
10N-24E-25ABA 1	35	OA										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS (CA+MG NON- CARR)		SAR	REMARKS
08N-27E-0803A 1												FLD. DATA
09N-24E-18AAA 1												FLD. DATA
09N-24E-26RDD 1												FLD. DATA
09N-24E-30DAB 1												FLD. DATA
09N-25E-01CDH 1	05-18-59	14.0		0.0			417		385	10	3.0	
09N-25E-06AHH 1	10-03-58	40.0		0.1			458		250	54	0.6	
09N-25E-06000 1	12-12-58	11.0		0.8			366		255	0	0.4	
09N-25E-21CCD 1	05-08-66	4.8		8.4					136		1.4	
09N-26E-03DCA 1	04-04-63	43.0		0.7	310		630		42	0	18.0	
09N-26E-06BRC 1	12-08-58	13.0		0.1			280		220	0	0.3	
09N-26E-06CRC 1	12-08-58	17.0		0.1			313		250	14	0.5	
09N-26E-07RBC 1	12-08-58	40.0		0.8	300		498		420	79	0.4	
09N-26E-12ABA 1	08-19-59	11.0		6.2					210	33	0.3	
	03-04-60	18.0					470		320	0	1.2	
	03-04-60	20.0					462		410	14	0.2	
09N-26E-12HAA 1	08-19-59	23.0		2.2					335	0	1.2	
09N-26E-12HBC 1	08-19-59	15.0		1.6					175	0	3.6	
09N-26E-230BA 1	10-25-66	4.0		1.8			282		156		1.3	
09N-26E-310BA 1												FLD. DATA
09N-26E-35AHD 1												FLD. DATA
09N-27E-06BAA 1												FLD. DATA
09N-27E-06BDA 1	05-29-58	15.0							168	44	0.5	
09N-27E-06CCC 1	08-19-59	20.0		2.4					220	0	1.1	
09N-27E-28A8B 1												FLD. DATA
10N-24E-14RCC 1	10-02-58	2.0		1.0			251		160	38	0.4	
10N-24E-15BAA 1	10-02-58	14.0		2.0			199		140	9	0.4	
10N-24E-16ACD 1	01-01-58	9.7							116	8	0.8	FLD. DATA
10N-24E-16BAA 1	01-15-58	8.0		2.2					192	21	0.3	
	08-18-59	24.0		2.8					370	63	0.4	
10N-24E-16BAA 2												FLD. DATA
10N-24E-16DAA 1												FLD. DATA
10N-24E-16DBA 1	01-16-58	8.6		2.3			168		168	7	0.3	
10N-24E-238BC 1	06-04-58	5.7			90				164	0	0.6	FLD. DATA
10N-24E-238CH 1												FLD. DATA
10N-24E-23DBA 1	07-30-59	9.0		7.2					142	24		
10N-24E-24AAA 1	06-04-58	5.6			490				168	20	0.4	FLD. DATA
10N-24E-24AAD 1												FLD. DATA
10N-24E-25AAB 1	10-03-58	13.0		39.0			320		220	53	0.4	FLD. DATA
10N-24E-25ABA 1												FLD. DATA

## LEFLURE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO)-DA-YR	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HC03	SO4
10N-24E-26DAA 1	32	OA	01-01-58	441	8.00				19.0		164	
10N-24E-35HBA 1	76	EK	08-06-66	1030	8.10	18.0			135.0		222	330.0
10N-25E-2080B 1	32	OA	06-04-58	339	8.10				13.0		168	
10N-25E-29AAD 1	41	OA										
10N-25E-30AAA 1	32	OA	06-05-58	289	8.00				9.6		144	
10N-25E-31AAA 1	46	OA										
10N-25E-31BRD 1	32	OA	06-05-58	346	8.10				14.0		212	
10N-25E-32RAD 1	48	OA										
10N-25E-32BRA 1	42	OA	06-09-58	352	8.20				19.0		176	
10N-25E-32CDC 1	42	OA	06-09-58	375	8.20				20.0		204	
10N-25E-32DDD 1	32	OA	05-21-59	586	8.20	18.0	42.0	29.0	37.0		224	47.0
10N-25E-36CBA 1	32	OA	12-07-58	476	8.20	18.0	53.0	26.0	16.0	1.2	252	27.0
10N-25E-36CUA 1	32	OA	12-01-58	619	8.00		87.0	25.0	18.0	1.6	426	0.0
10N-26E-28ADD 1	50	OA										
10N-26E-34AAC 1	31	OA	08-18-59	1020	8.20		136.0	37.0	29.0		376	85.0
			03-04-60	978	8.10		160.0	28.0	28.0		520	48.0
			03-04-60	2860	8.10		334.0	75.0	121.0		868	244.0
10N-26E-34DDC 1	32	OA	09-11-59	577	8.30		78.0	18.0	29.0		308	49.0
10N-26E-35DCC 1	32	OA	01-16-58	334	8.40	18.5			12.0		138	
10N-26E-35DCD 1	46	OA										
10N-27E-03CAB 1	32	OA	05-28-58	1070	7.90	16.5	136.0	44.0	41.0		618	
10N-27E-09ABC 1	32	OA	05-28-58	473	8.40				18.0		216	
10N-27E-17AAA 1	20	OA										
10N-27E-17BAA 1	42	OA	05-27-58	452	8.30				12.0		170	
10N-27E-17DDD 1	32	OA	05-28-58	700	8.10	18.0			13.0		192	
10N-27E-28CBB 1	26	OA	05-16-58	632	8.40				45.0		172	
10N-27E-31AAD 1	32	OA	06-24-58	808	8.20	20.0			42.0		364	

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
10N-24E-26DAA 1	01-01-58	38.0							220	66	0.6	
10N-24E-358BA 1	08-06-66	10.0		14.0			694		256		3.7	
10N-25E-208BB 1	06-04-58	13.0							160	22	0.5	FLD. DATA
10N-25E-29AAD 1												FLD. DATA
10N-25E-30AAA 1	06-05-58	9.1							138	20	0.4	FLD. DATA
10N-25E-31AAA 1												FLD. DATA
10N-25E-318BD 1	06-05-58	9.6					217		172	0	0.5	FLD. DATA
10N-25E-32BAD 1												FLD. DATA
10N-25E-32RBA 1	06-09-58	11.0							172	28	0.6	FLD. DATA
10N-25E-32CDC 1	06-09-58	13.0							172	5	0.7	FLD. DATA
10N-25E-32DDD 1	05-21-59	52.0		0.0			336		225	42	1.1	
10N-25E-36CBA 1	12-07-58	22.0		0.7			296		240	34	0.5	
10N-25E-36CDA 1	12-01-58	17.0		0.6			390		320	0	0.4	FLD. DATA
10N-26E-28ADD 1												FLD. DATA
10N-26E-34AAC 1	08-18-59	68.0	0.2	76.0	230				490	182	0.6	
	03-04-60	30.0		70.0			620		515	89	0.5	
	03-04-60	310.0					1940		1140	428	1.6	
10N-26E-34DDC 1	09-11-59	16.0	0.2	1.9	200				270	11	0.8	
10N-26E-35DCC 1	01-16-58	18.0		2.6					172	46	0.4	
10N-26E-350CD 1												FLD. DATA
10N-27E-03CAR 1	05-28-58	52.0			140				520	14	0.8	
10N-27E-09ABC 1	05-28-58	22.0			160				216	29	0.5	
10N-27E-17AAA 1												FLD. DATA
10N-27E-17BAA 1	05-27-58	23.0			90				220	70	0.4	
10N-27E-17DDD 1	05-28-58	36.0			70				324	166	0.3	
10N-27E-28CBB 1	05-16-58	57.0			60				224	76	1.3	
10N-27E-31AAD 1	06-24-58	29.0			230				420	122	0.9	



## LINCOLN COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
12N-03E-328BA 1	86	EU	03-16-71	1410	8.00	17.0			300.0		700	38.0
12N-04E-358CC 1	115	EU	03-17-71	669	7.90	17.5			53.0		270	37.0
12N-06E-01AAA 1	173	DE										
12N-06E-108CC 1	67	DE										
12N-06E-20DAC 1	367	DE										
12N-06E-20DD8 1	356	DE										
12N-06E-28DAD 1	412	DE	05-27-75	1810	7.50	19.0	160.0	54.0	160.0	6.5	253	470.0
12N-06E-29CCA 1	374	DE										
13N-02E-07CCD 1	229	EU	04-28-70	364	7.70	16.5			8.0		204	14.0
13N-03E-14ADD 1	58	EU	02-17-70	760	8.20	16.5			142.0		494	9.4
13N-05E-30ADD 1	42	DA	02-17-70	721	8.30	16.5			111.0		372	30.0
13N-06E-28DDC 1	183	DE										
13N-06E-29AAA 1	26	DE										
13N-06E-31ADD 1	100	DE										
14N-02E-35CCC 1	234	EU	07-22-71	582	7.60	16.5			22.0		322	19.0
14N-04E-09 1		FU	07-23-51	1040	7.20	17.0	109.0	68.0	26.0	1.0	668	32.0
14N-06E-02AAD 1	180	DE										
14N-06E-11ABB 1	69	DE										
14N-06E-22A 1	110	DB	09-16-70	10600	10.00				2220.0		34	3450.0
14N-06E-22CRA 1	14	DE										
15N-02E-26BCC 1	125	EU	03-17-71	578	8.00	17.0			43.0		284	29.0
15N-02E-35CDD 1	500	EU	07-22-71	1650	8.50	16.5			380.0		520	130.0
15N-03E-36ABA 1	65	EU	04-15-71	769	7.70	17.0			36.0		288	31.0
15N-06E-07HAR 1	190	DE										
15N-06E-108BA 1	124	DE										
15N-06E-12BCR 1	130	DE										
15N-06E-15HDD 1	260	DE										
15N-06E-17DUB 1	120	DE										
15N-06E-28DRD 1	408	DE										
15N-06E-36BAA 1	248	DE										
16N-02E-18CAA 1	108	CS	10-15-70	327	7.50	15.0			16.0		92	19.0
16N-03E-11C 1	137	EU	04-05-50	1090	7.40		100.0	50.0	44.0	4.6	201	90.0
16N-03E-11CCB 1	460	EU	07-22-71	536	8.00	18.0			90.0		320	12.0
16N-04E-35CCC 1	100	DA	03-17-71	853	7.50	16.0			40.0		242	35.0
16N-05E-23DDD 1	196	DE	02-13-75	1160	7.80	16.0	57.0	28.0	100.0	2.1	332	22.0
16N-05E-36BRC 1	115	DE										
16N-06E-22ABH 1	107	DE										
16N-06E-23RBR 1	97	DE	03-25-75	3600		17.0	330.0	100.0	350.0	3.0	122	20.0
16N-06E-33ACD 1	160	DE										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	HARDNESS (CALC) CA+MG NON- CARB			SAR	REMARKS
12N-03E-32HBA 1	03-16-71	100.0		0.1			840	110	0			
12N-04E-35BCC 1	03-17-71	31.0		52.0			388	230	9			
12N-06E-01AAA 1												FLD. DATA
12N-06E-10BCC 1												FLD. DATA
12N-06E-20UAC 1												FLD. DATA
12N-06E-20DDR 1												FLD. DATA
12N-06E-28DAD 1	05-27-75	200.0				0	1260	620	410	2.8		
12N-06E-29CCA 1												FLD. DATA
13N-02E-07CCD 1	04-28-70	10.0		2.4			211	180	13			
13N-03E-14AUD 1	02-17-70	13.0		1.1			457	126	0			
13N-05E-30ADD 1	02-17-70	36.0		2.5			416	154	0			
13N-06E-28DDC 1												FLD. DATA
13N-06E-29AAA 1												FLD. DATA
13N-06E-31ADD 1												FLD. DATA
14N-02E-35CCC 1	07-22-71	20.0		9.1			330	270	8	0.6		
14N-04E-09 1	07-23-51	20.0	0.0	0.5		0	576	552	4			
14N-06E-02AAD 1												FLD. DATA
14N-06E-11ABH 1												FLD. DATA
14N-06E-22A 1	09-16-70	1820.0		0.1			8020	1420	1240			
14N-06E-22CBA 1												FLD. DATA
15N-02E-26BCC 1	03-17-71	14.0		25.0			336	210	0			
15N-02E-35CDD 1	07-22-71	190.0		0.2			996	28	0	31.0		
15N-03E-36ABA 1	04-15-71	53.0		54.0			436	310	72			
15N-06E-07BAB 1												FLD. DATA
15N-06E-10BBA 1												FLD. DATA
15N-06E-12BCB 1												FLD. DATA
15N-06E-15BDD 1												FLD. DATA
15N-06E-17DDH 1												FLD. DATA
15N-06E-28DRD 1												FLD. DATA
15N-06E-36BAA 1												FLD. DATA
16N-02E-18CAA 1	10-15-70	28.0		29.0			199	124	48			
16N-03E-11C 1	04-05-50	105.0	0.0	160.0		100	696	455	290			
16N-03E-11CCR 1	07-22-71	14.0		0.4			323	98	0	4.0		
16N-04E-35CCC 1	03-17-71	62.0		120.0			560	330	130			
16N-05E-23DDD 1	02-13-75	110.0					478	260	0	2.7		
16N-05E-36BBC 1												FLD. DATA
16N-06E-22ABH 1												FLD. DATA
16N-06E-23BBH 1	03-25-75	1300.0				10	2510	1200	1100	4.3		
16N-06E-33ACD 1												FLD. DATA

## LINCOLN COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HC03	SO4
	(FT)		(MO-DA-YR)			(C.)						
17N-05E-238	1	357	DE	07-03-52	3680	7.70						
17N-06E-34888	1	DE	01-29-75	7010			80.0	20.0	757.0	9.2		1660.0
									1100.0			

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT	(CALC)	CA+MG	NON-		
							180 DEG)		CARB			
17N-05E-23B	1 07-03-52	23.0	2.8	0.6			2740	2680	282	82		
17N-06E-348BB	1 01-29-75	2400.0										

## MARSHALL COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
05S-03E-02	1	235										
05S-04E-04B	1	32 BK	03-18-48	617			8.2	12.0	129.0		366	21.0
05S-06E-19CDD	1	228 BK	03-18-48	1180			6.0	7.4	294.0		579	47.0
06S-05E-20DDD	1	212 BK	03-19-48	909			56.0	11.0	140.0		314	136.0
06S-06E-31RDB	1	501 BK	03-19-48	982			3.5	3.1	236.0		400	87.0
07S-04E-03BBB	1	36 BK	04-24-48	655		19.5	41.0	21.0	76.0		264	5.9
07S-04E-13B	1	175 BK	01-25-64	759	8.10				160.0		408	59.0
07S-06E-24BBA	1	503 BK	03-19-48	497			9.2	0.6	107.0		261	22.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT	(CALC)	CA+MG	NON-		
							180 DEG)		CARB			
-----												
05S-03E-02	1											FLD. DATA
05S-04E-04B	1	03-18-48	18.0		3.0		366		70	0		
05S-06E-19CDD	1	03-18-48	60.0	0.1	0.5		714		45	0		
06S-05E-20DDD	1	03-19-48	38.0	0.0	18.0		573		185	0		
06S-06E-31RDB	1	03-19-48	21.0	0.1	1.0		612		22			
07S-04E-0388B	1	04-24-48	20.0	0.1	100.0		396		189	0		
07S-04E-13B	1	01-25-64	16.0	0.5		940	480		72	0	8.2	
07S-06E-2488A	1	03-19-48	14.0	0.2	1.0		310		25	0		



## MAYES COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
19N-19E-06CDC 1	36	EP										
19N-19E-15ADB 1	25	OA	12-04-68	362	8.30	18.0			7.1		200	12.0
19N-19E-23ADA 1	14	OT										
19N-19E-34BCB 1	60	EM										
19N-20E-06CDC 1	109	EM										
19N-20E-13CCC 1	46	GD										
19N-20E-24CCD 1	54	GD	12-11-68	362	8.20	16.0			3.2		234	0.2
20N-18E-08BBA 1	110	EJ										
20N-18E-14AAA 1	95	EM										
20N-19E-20DCD 1	28	OT										
20N-19E-24DDD 1	45	GD	04-20-57	657	8.30		114.0	8.6	21.0		332	
20N-19E-27ACB 1	64	GB	04-20-57	788	8.00		66.0	31.0	74.0		436	
20N-19E-27CCC 1	51	GB	04-20-57	289	7.80		43.0	4.0	12.0		136	
			12-11-68	414	8.40	19.0			7.4		248	8.6
20N-19E-27DCD 1		OA	04-22-57	970	8.00		106.0	18.0	90.0		316	
20N-19E-30BCB 1	50	EM										
20N-19E-33CAD 1	47	OA										
20N-19E-34BBB 1		OA	04-20-57	1300	8.00		180.0	29.0	76.0		424	
20N-20E-11BDB 1		GD										
20N-20E-22 1			08-30-51	219	7.00		37.0	1.9	3.5	1.5	115	6.5
20N-20E-23CAA 1		GD	10-14-68	330	7.80	16.5	64.0	2.4	3.9	1.5	198	1.1
20N-20E-34DDB 1		OA	10-14-68	207	7.90	19.0	39.0	0.0	2.7	1.6	118	5.2
20N-21E-17BBB 1	52	GD	12-11-68	358	7.60				3.7		208	4.5
20N-21E-20CDD 1		GD	10-14-68	255	8.20	16.0	50.0	1.4	2.5	0.6	156	1.4
20N-21E-27UAD 1	66	GD										
21N-18E-05DDA 1	57	EJ	12-04-68	1600	8.20	17.0			323.0		386	269.0
21N-18E-22DDD 1	56	EM										
21N-19E-20DCD 1		OT	04-20-57	487	7.90		34.0	3.6	69.0		220	
21N-19E-26ADD 1	25	GB	12-11-68	1300	7.90	17.0			87.0		274	156.0
21N-19E-29BBA 1	14	OT										
21N-19E-30AAA 1		OT	04-20-57	382	7.20		29.0	11.0	40.0		148	
21N-19E-30BCB 1		OA	04-20-57	2410	7.70		162.0	108.0	180.0		148	
21N-19E-31ADD 1		EM	04-20-57	290	7.50		53.0	1.9	2.9		86	
21N-19E-33CC 1		EM	04-22-57	1550	7.20		120.0	17.0	155.0		80	
21N-19E-33DCC 1	52	OT										
21N-19E-33DCC 2	80	OT	04-20-57	875	8.00		142.0	13.0	15.0		328	
21N-19E-34CDC 1	17	OT	04-20-57	1160	8.00		168.0	31.0	46.0		236	
21N-19E-34DDD 1	27	OT										
21N-19E-35RCC 1		GB	04-20-57	588	8.50		83.0	7.1	39.0		302	

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
19N-19E-06CDC 1												FLD. DATA
19N-19E-15ADB 1	12-04-68	8.1		0.2			228		176	12		
19N-19E-23ADA 1												FLD. DATA
19N-19E-34BCB 1												FLD. DATA
19N-20E-06CDC 1												FLD. DATA
19N-20E-13CCC 1												FLD. DATA
19N-20E-24CCD 1	12-11-68	0.8		0.2			210		186	0		
20N-18E-08BBA 1												FLD. DATA
20N-18E-14AAA 1												FLD. DATA
20N-19E-20CCD 1												FLD. DATA
20N-19E-24DDD 1	04-20-57	24.0		10.0					320	38	0.5	
20N-19E-27ACB 1	04-20-57	24.0		1.1					290	0	1.9	
20N-19E-27CCC 1	04-20-57	5.0		18.0					124	12	0.5	
	12-11-68	3.9		0.1			241		208	5		
20N-19E-27DCD 1	04-22-57	70.0		20.0					340	81	2.1	
20N-19E-30BCB 1												FLD. DATA
20N-19E-33CAD 1												FLD. DATA
20N-19E-34BBB 1	04-20-57	130.0							570	222	1.4	
20N-20E-118DB 1												FLD. DATA
20N-20E-22 1	08-30-51	5.5	0.0	5.0		10	126		100	6		
20N-20E-23CAA 1	10-14-68	4.6		6.2			188		170	8	0.8	
20N-20E-340DB 1	10-14-68	3.2		1.4			116		98	2	1.0	
20N-21E-17BBB 1	12-11-68	5.1		2.4			207		176	6		
20N-21E-20CCD 1	10-14-68	2.8		0.1			140		130	2	0.9	
20N-21E-27DAD 1												FLD. DATA
21N-18E-05DDA 1	12-04-68	155.0		3.6			970		116	0		FLD. DATA
21N-18E-22DDD 1												FLD. DATA
21N-19E-20CCD 1	04-20-57	26.0		26.0					100	0	3.0	
21N-19E-26ADD 1	12-11-68	185.0		13.0			935		470	246		
21N-19E-29BBA 1												FLD. DATA
21N-19E-30AAA 1	04-20-57	11.0		2.6					116	0	1.6	
21N-19E-30BCB 1	04-20-57	280.0							850	728	2.7	
21N-19E-31ADD 1	04-20-57	8.0		0.2					140	70	0.1	
21N-19E-33CC 1	04-22-57	155.0							370	304	3.5	
21N-19E-33DCC 1												FLD. DATA
21N-19E-33DCC 2	04-20-57	8.0		1.0					410	141	0.3	
21N-19E-34CDC 1	04-20-57	42.0		85.0					545	352	0.9	
21N-19E-34DDD 1												FLD. DATA
21N-19E-358CC 1	04-20-57	6.0		0.4					236	0	1.1	

## MAYES COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
21N-20E-36CAA 1	26	GD										
21N-21E-12DDA 1		GD	10-15-68	248	8.00	18.0	49.0	0.5	2.4	1.4	144	5.3
21N-21E-22CCA 1		GD										
22N-19E-09CCD 1	85	EM										
22N-19E-23CDD 1	20	GB	11-12-68	1020	8.40	16.0			48.0		286	310.0
22N-21E-04CBD 1	95	GD										
22N-21E-07CDD 1	96	HC										
22N-21E-15CAC 1		GD	10-15-68	211	8.00	19.5	37.0	1.4	3.2	1.4	116	0.6
23N-18E-15BCD 1	65	OA										
23N-18E-26CDD 1	60	EJ										
23N-18E-28CCC 1	39	EH	11-12-68	208	7.70	16.0			18.0		44	51.0
23N-19E-07AAA 1	98	EM										
23N-20E-29CDC 1	46	GB	11-12-68	1260	8.40	16.0			191.0		346	1.8
23N-20E-36RCC 1	97	OA										
23N-21E-06DDD 1	60	GD	11-12-68	283	8.30	16.0			6.2		164	5.4

	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	WELL LOCATION(N)	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NON- CARB		SAR	REMARKS
65	21N-20E-36CAA 1												FLD. DATA
	21N-21E-12DDA 1	10-15-68	3.4		1.8			145		124	6	0.9	FLD. DATA
	21N-21E-22CCA 1												FLD. DATA
	22N-19E-09CCD 1												FLD. DATA
	22N-19E-23CDD 1	11-12-68	6.6		5.1			771		480	246		FLD. DATA
	22N-21E-04CBD 1												FLD. DATA
	22N-21E-07CDD 1												FLD. DATA
	22N-21E-15CAC 1	10-15-68	6.0		0.0			114		98	3	1.0	FLD. DATA
	23N-18E-158CD 1												FLD. DATA
	23N-18E-26CDD 1												FLD. DATA
	23N-18E-28CCC 1	11-12-68	4.6		0.2			117		56	20		FLD. DATA
	23N-19E-07AAA 1												FLD. DATA
	23N-20E-29CDC 1	11-12-68	220.0		2.0			678		198	0		FLD. DATA
	23N-20E-36BCC 1												FLD. DATA
	23N-21E-06DDD 1	11-12-68	0.8		1.0			153		132	0		FLD. DATA

## MCCURTAIN COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE (IF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
01S-25E-118BB 1	80	FA	07-08-70	297	7.60	18.0			21.0		186	7.8
01S-26E-02CDC 1	160	FA	07-08-70	1220	7.60	18.0			85.0		258	39.0
01S-26E-35BAA 1	130	FA	07-08-70	358	8.00	17.5			76.0		222	7.8
02S-22E-07ADB 1	82	FA	07-09-70	440	7.80	19.0			21.0		222	24.0
02S-22E-17B 1			03-11-47	293			16.0	4.8	50.0		126	7.9
02S-24E-15DDA 1	73	LA	12-10-70	337	7.70	19.0			12.0		204	9.0
02S-27E-048BD 1	101	FA	12-08-70	251	7.00	18.0			29.0		114	3.4
03S-22E-21AAC 1	32	LA	12-08-70	256	7.70	20.0			17.0		94	9.0
04S-21E-25DCA 1	57	LA	12-08-70	401	8.10	20.0			26.0		252	14.0
04S-22E-01CAA 1	24	LA	12-08-70	45	6.30	19.0			6.2		10	6.6
04S-23E-12CAA 1		LE	02-18-71	310	7.90	15.5			2.3		174	9.9
04S-24E-27ACB 1	160	LL	07-09-70	516	7.70	18.5			4.4		304	24.0
04S-26E-320BD 1	50	LL	12-09-70	229	7.40	19.0			5.8		134	10.0
04S-26E-36DAD 1	75	LL	12-09-70	216	7.60	19.0			12.0		122	8.0
05S-21E-34RCB 1	10	BK	02-19-70	56		14.0			6.7		20	3.0
05S-25E-25ACA 1	1358											
05S-26E-04DDC 1	235	FA	12-09-70	245	7.60	19.0			14.0		154	4.2
06S-21E-03DAD 1	175	BK	02-11-70	268	8.10	15.0			13.0	2.1	160	6.2
06S-21E-03DDC 1	175	BK										
06S-21E-27D 1	363		08-16-51	290	7.70		45.0	7.5	5.7	1.6	180	5.2
06S-21E-28DAA 1	80	BK										
06S-21E-28DAD 1	4080	BI	02-11-70	489	8.30	15.5			5.6	0.5	288	22.0
06S-21E-28DB 1	363	BK	03-27-48	293			40.0	7.2	1.0		125	5.3
06S-21E-31DDC 1	330	BK										
06S-21E-36CCC 1	92	BI	01-07-70	590	8.20	14.5			14.0	0.9	312	61.0
06S-22E-34ACA 1	94	BK										
06S-22E-34ACA 2	130	BK	12-07-49	381			65.0	5.2	11.0		228	6.7
			01-01-50	328			50.0	6.2	9.5		151	20.0
06S-24E-12DAB 1	150	BK	02-25-70	292	8.30	15.0			3.2		166	9.0
06S-25E-15BBA 1	80	BM	12-09-70	690	7.90	19.0			18.0		346	32.0
06S-25E-19CCC 1	21	BK	03-26-48	136			13.0	2.1	20.0		49	3.0
06S-26E-12CBC 1	220	BM	12-09-70	620	7.70	18.0			24.0		284	38.0
07S-21E-22AAA 1	322	BK	05-18-51	494	7.60	20.0	58.0	7.4	43.0		280	20.0
07S-21E-24BBA 1	150	BM	02-19-70	1960	8.40	14.5			489.0		820	250.0
07S-22E-058B 1	138	BK	12-21-44				46.0	6.0	29.0		216	11.0
07S-22E-24DCC 1	20	BM	12-18-69	106	7.60	15.5			14.0	0.7	50	9.0
07S-22E-28AA 1	28	BM	05-05-51	2660	8.00						223	
07S-22E-28AB 1	356	BK	05-10-51	1180	8.10	20.0	30.0	11.0	202.0		278	88.0
07S-23E-07DCC 1	265	BK	12-21-44	534	7.90	19.5	13.0	3.6	92.0	7.4	227	43.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
01S-25E-11888	1 07-08-70	2.0		0.0			180		118	0		
01S-26E-02CDC	1 07-08-70	252.0		0.4			780		420	208		
01S-26E-358AA	1 07-08-70	6.0		0.1			227		34	0		
02S-22E-07ADB	1 07-09-70	20.0		0.1			257		190	8		
02S-22E-178	1 03-11-47	22.0	0.1	8.0			260		596	0		
02S-24E-150DA	1 12-10-70	6.0		0.1			200		160	0		
02S-27E-048BD	1 12-08-70	23.0		25.0			203		86	0		
03S-22E-21AAC	1 12-08-70	28.0		0.1			152		88	11		
04S-21E-250CA	1 12-08-70	2.5		0.0			233		168	0		
04S-22E-01CAA	1 12-08-70	4.2		2.0			40		9	0		
04S-23E-12CAA	1 02-18-71	3.0		0.0			181		150	10		FLD. DATA
04S-24E-27ACB	1 07-09-70	4.0		0.0			328		270	21		
04S-26E-320BD	1 12-09-70	3.0		0.1			128		108	0		
04S-26E-36DAD	1 12-09-70	4.5		0.1			151		88	0		
05S-21E-348CB	1 02-19-70	6.4		7.4			37		20	4		
05S-25E-25ACA	1											FLD. DATA
05S-26E-04DDC	1 12-09-70	5.0		0.1			133		108	0		
06S-21E-03DAD	1 02-11-70	8.0		0.0			158		116	0		
06S-21E-03DDC	1											FLD. DATA
06S-21E-27D	1 08-16-51	3.5	0.1	0.0		80	161		143	0		
06S-21E-28DAA	1											FLD. DATA
06S-21E-28DAD	1 02-11-70	8.0		5.5			281		254	18		
06S-21E-28DB	1 03-27-48	16.0	0.0	0.0			136		130	27		
06S-21E-31DDC	1											FLD. DATA
06S-21E-36CCC	1 01-07-70	4.1		0.0			369		298	42		
06S-22E-34ACA	1											FLD. DATA
06S-22E-34ACA	2 12-07-49	9.5		0.5			223		184	0		
	01-01-50	12.0		1.5			204		150	18		
06S-24E-12DAB	1 02-25-70	4.0		0.0			155		144	8		
06S-25E-158BA	1 12-09-70	36.0		0.2			400		328	44		
06S-25E-19CCC	1 03-26-48	22.0	0.0	14.0			84		41	1		
06S-26E-12CBC	1 12-09-70	40.0		0.8			354		276	44		
07S-21E-22AAA	1 05-18-51	12.0		1.1			296		175	0		
07S-21E-248BA	1 02-19-70	70.0		0.4			1270		10	0		
07S-22E-058B	1 12-21-44	10.0		0.2			174		139			
07S-22E-24DCC	1 12-18-69	8.0		0.0			76		32	0		
07S-22E-28AA	1 05-05-51	535.0		0.4								
07S-22E-28AB	1 05-10-51	170.0		0.8			682		120	0		
07S-23E-07DCC	1 12-21-44	16.0	1.0	2.2		70	305		48			



[illegible]

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[illegible]

MCCURTAIN COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MU-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
108-25E-10D	1	15	OA									
108-25E-15BCC	1	32	OA	02-12-70	733	8.20	9.0		14.0	1.7	500	11.0
108-26E-06CD	1	165	OA	02-09-51	1590	17.5	141.0	69.0	118.0		684	52.0
108-26E-06CDD	1	165	BG									
108-26E-24AAD	1	BK	01-08-70	51800	7.70	14.5			1230.0	83.0	106	450.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	S	FE	DISSOL. SOLIDS (CALC) 180 DEG)	HARDNESS (CALC) CA+MG NON- CARB			SAR	REMARKS
10S-25E-10D 1												FLD.DATA
10S-25E-15HCC 1	02-12-70	8.0		0.0			429	390	0			FLD.DATA
10S-26E-06CD 1	02-09-51	196.0		2.3			934	636	75			FLD.DATA
10S-26E-06CDD 1												FLD.DATA
10S-26E-24AAD 1	01-08-70	21000.0					39000	3250	3160			FLD.DATA

## MCINTOSH COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
09N-14E-23AAD 1	27	EE	11-08-66	481	8.20	20.0			76.0		246	17.0
09N-15E-14DCC 1	69	EH	11-08-66	336	8.20	18.5			39.0		190	13.0
10N-13E-03CBB 1	91	EE	10-19-66	491	7.60	18.0			67.0		188	9.0
10N-14E-13CAA 1	42	EE	11-09-66	736	8.30	18.5			108.0		240	107.0
10N-15E-23 1		OT	01-13-61	572	7.60		46.0	14.0	66.0		348	0.8
10N-16E-28CCD 1	65	EH	11-09-66	626	8.60	6.2			127.0		312	15.0
10N-17E-02AAA 1	110	EK										
10N-17E-18ADD 1	50	EH	10-26-66	2160	7.80	18.0			369.0		1120	9.0
11N-14E-09DCD 2	39	EE	11-09-66	248	7.50	18.0			33.0		38	27.0
11N-15E-02BCC 1	76	EE	11-09-66	199	6.20	17.0			22.0		6	62.0
11N-18E-05CCC 1	60	EJ										
11N-18E-26CCC 1	100	EK	11-09-66	488	8.10	17.0			102.0		188	30.0
12N-15E-02BBB 1	49	EE										
12N-16E-04AA 1		EH	01-01-36		7.27		60.0	19.0	51.0		324	46.0
12N-16E-32BBB 1	29	EF	10-19-66	1460	8.00	19.0			198.0		666	126.0
12N-17E-11ABB 1	103	EH										
12N-17E-20BBB 1	31	EH										
12N-17E-27DDA 1	59	EH	10-19-66	309	7.40				55.0		112	33.0
12N-18E-02CCD 1	36	EK										
12N-18E-29AAA 1	43	EH										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	R	FE	DISSOL. SOLIDS (RES. AT 180 DEG)		HARDNESS CA+MG NON-CARB		SAR	REMARKS
09N-14E-23AAD 1	11-08-66	28.0		0.2					92			
09N-15E-14DCC 1	11-08-66	6.0		18.0					108			
10N-13E-03CBB 1	10-19-66	57.0		0.3					98		2.9	
10N-14E-13CAA 1	11-09-66	48.0		0.1					146			
10N-15E-23 1	01-13-61	20.0		0.4	120		326		172	0	2.2	
10N-16E-28CCD 1	11-09-66	32.0		11.0					72			
10N-17E-02AAA 1												FLD. DATA
10N-17E-18ADD 1	10-26-66	128.0		25.0		7			326		8.9	
11N-14E-09DCD 2	11-09-66	49.0		0.4			182		56			
11N-15E-02BCC 1	11-09-66	10.0		3.3			120		38			
11N-18E-05CCC 1												FLD. DATA
11N-18E-26CCC 1	11-09-66	41.0		0.3			305		20			
12N-15E-02HBB 1												FLD. DATA
12N-16E-04AA 1	01-01-36	21.0					406		228			
12N-16E-32HBB 1	10-19-66	100.0		1.2			896		388		4.4	
12N-17E-11ABR 1												FLD. DATA
12N-17E-20HBB 1												FLD. DATA
12N-17E-27DDA 1	10-19-66	20.0		1.6					36		4.0	
12N-18E-02CCD 1												FLD. DATA
12N-18E-29AAA 1												FLD. DATA



## MUSKOGEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
10N-19E-080DD 1	53	EI	11-10-66	1580	7.90	17.0			118.0		226	41.0
10N-19E-24COC 1	38	EK										
10N-20E-07DAA 1	39	EC										
11N-19E-140DD 1	39	EK										
11N-19E-28CHC 1	82	EK										
11N-20E-21CCC 1	26	EK										
11N-21E-058HB 1	32	OA	07-17-58	585	8.20	18.0			11.0		356	
11N-21E-05DDA 1	32	OA	07-16-58	546	8.00	18.5			18.0		336	
11N-21E-09BAB 1	38	OA	07-17-58	289	8.10				8.3		156	
11N-21E-18ADD 1	70	EM										
11N-21E-30BCC 1	41	OA										
12N-19E-178BA 1	61	EK										
12N-19E-238BB 1	25	EM										
12N-19E-26DAA 1	37	EM										
12N-19E-31AAA 1	38	EM	11-14-66	615	8.40				140.0		284	71.0
12N-20E-11AAA 1	26	OA	05-05-59	377	8.50	17.5	24.0	17.0	29.0		134	15.0
12N-20E-118BA 1	31	OA	07-14-58	483	7.40	16.5			6.5		300	
12N-20E-11DCC 1	42	OA	07-14-58	215	7.60	18.0			10.0		96	
12N-20E-12BCC 1	32	OA	07-14-58	482	7.30	16.5					308	
12N-20E-12DCD 1	33	OA	07-14-58	670	7.90	18.0			13.0		368	
12N-20E-13DCC 1	42	OA	07-15-58	256	7.00	18.0			12.0		108	
12N-20E-13DDC 1	32	OA	08-14-59	458	8.00		54.0	18.0	19.0		174	89.0
12N-20E-17CCA 1			12-07-66	147000	6.90				39,100		63	4160.0
12N-20E-23BAA 1	21	OA	07-18-58	255	7.00	17.0			14.0		84	
12N-20E-248HB 1	32	OA	08-14-59	160	7.60		18.0	5.6	8.0		70	19.0
12N-20E-24DDD 1	37	OA	07-16-58	695	7.90				87.0		428	
12N-20E-25CCC 1	34	OA	07-17-58	322	7.40				15.0		140	
12N-20E-26AAA 1	32	OA	07-15-58	194	7.70	18.5			14.0		72	
12N-20E-32CBB 1	38	EK	11-14-66	138	7.40	19.0			20.0		60	12.0
12N-20E-34CCC 1	98	EK	11-10-66	1010	8.50	17.0			211.0		548	9.0
12N-21E-18COC 1	38	OA	07-15-58	591	7.40	18.0			17.0		310	
12N-21E-29DDB 1			08-13-59	395	8.20	16.5	26.0	30.0	15.0		184	36.0
			08-15-59	437	8.20	16.5	34.0	32.0	11.0		200	37.0
			08-16-59	406	8.20	16.5	29.0	30.0	17.0		184	40.0
12N-21E-29DDD 1	42	OA	07-16-58	741	7.90	18.0			15.0		456	
12N-21E-30AAA 1	37	OA	07-17-58	600	8.00	18.0			8.7		340	
12N-21E-31BBB 1	32	OA	07-17-58	395	7.70	19.0			13.0		192	
12N-21E-31CBB 1	42	OA	07-17-58	531	8.00				14.0		298	
12N-21E-32BBB 1	32	OA	07-16-58	603	7.50	17.5			17.0		340	

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	6	FE	DISSOL. SOLIDS (RES. AT (CALC) 180 DEG)		HARDNESS CA+MG NON- CARR		SAR	REMARKS
10N-19E-08DDD 1	11-10-66	360.0		0.7					480			FLD.DATA
10N-19E-24CDC 1												FLD.DATA
10N-20E-07DAA 1												FLD.DATA
11N-19E-14DDD 1												FLD.DATA
11N-19E-28CRC 1												FLD.DATA
11N-20E-21CCC 1												FLD.DATA
11N-21E-05BBB 1	07-17-58	6.3							300	8	0.3	
11N-21E-05UDA 1	07-16-58	9.5							268	0	0.5	
11N-21E-09BAB 1	07-17-58	5.6							144	16	0.3	
11N-21E-18ADD 1												FLD.DATA
11N-21E-30HCC 1												FLD.DATA
12N-19E-17BBA 1												FLD.DATA
12N-19E-23HHB 1												FLD.DATA
12N-19E-26DAA 1												FLD.DATA
12N-19E-31AAA 1	11-14-66	5.0		2.6		2600	486		24			
12N-20E-11AAA 1	05-05-59	40.0	0.2	0.7			209		130	10	1.1	
12N-20E-11BBA 1	07-14-58	5.0			60				260	14	0.2	
12N-20E-110CC 1	07-14-58	7.4			30				80	2	0.5	
12N-20E-12HCC 1	07-14-58	9.0							276	24	0.2	
12N-20E-12DCD 1	07-14-58	16.0							332	30	0.3	
12N-20E-13DCC 1	07-15-58	4.6					148		104	16	0.5	
12N-20E-13DDC 1	08-14-59	8.6		2.2					208	66	0.6	FLD.DATA
12N-20E-17CCA 1	12-07-66	78500.0					149800		30,000			
12N-20E-23BAA 1	07-18-58	4.9							100	31	0.6	
12N-20E-24BBB 1	08-14-59	3.9		3.2					68	10	0.4	
12N-20E-24DDD 1	07-16-58	17.0					410		192	0	2.7	
12N-20E-25CCC 1	07-17-58	5.1							136	22	0.6	
12N-20E-26AAA 1	07-15-58	7.4							64	5	0.8	
12N-20E-32CBB 1	11-14-66	5.0		8.0			116		32			
12N-20E-34CCC 1	11-10-66	8.0		82.0			665		110			
12N-21E-19CDC 1	07-15-58	15.0					334		292	38	0.4	
12N-21E-29DDB 1	08-13-59	18.0		9.4					188	37	0.5	
	08-15-59	20.0		11.0					216	52	0.3	
	08-16-59	21.0		13.0					196	45	0.5	
12N-21E-29DDD 1	07-16-58	19.0							410	36	0.3	
12N-21E-30AAA 1	07-17-58	13.0			60				324	46	0.2	
12N-21E-31BBB 1	07-17-58	4.6							188	30	0.4	
12N-21E-31CBB 1	07-17-58	8.0							276	32	0.4	
12N-21E-32BBB 1	07-16-58	23.0							308	30	0.4	

## MUSKOGEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
12N-21E-33CLB 1	32	OA	07-11-58	602	8.00	18.0			16.0		296	
13N-15E-03CBC 1	90	EE	01-04-61	2500	8.20		19.0	11.0	504.0		286	
13N-16E-12CDA 1	61	EH										
13N-16E-32DD 1		EH	01-01-36		7.18		102.0	18.0	27.0		310	44.0
13N-16E-34AAA 1	67	EH	11-15-66	1420	8.40	17.0			262.0		576	177.0
13N-18E-13BHC 1	54	EJ	10-18-66	1740	8.30	18.0			400.0		764	292.0
13N-18E-29RHB 1	67	EK										
13N-19E-01ABB 1	32	OT	08-14-59	232	8.00		21.0	7.7	21.0		140	2.5
13N-19E-02AAA 1	38	OA	08-14-59	767	8.30		26.0	10.0	153.0		468	2.9
13N-19E-02CDC 1	32	OA	07-15-58	565	7.90				21.0		364	
13N-19E-03AAA 1	39	OA	07-15-58	789	7.40	17.5			18.0		516	
13N-19E-20DDD 1	30	EH										
13N-20E-30CRC 1	59	EH										
14N-15E-14CBB 1	39	EE										
14N-16E-12D 1		EH	01-01-36		7.30							
14N-16E-25BBB 1	77	EH	11-15-66	2150	8.30	17.0			488.0		732	9.0
14N-17E-07ADD 1		EH	01-01-36		7.50							
14N-17E-18A 1		EH	01-01-36		8.10							
14N-17E-35AAA 1	135	EH										
14N-18E-21BAA 1	69	EJ										
14N-19E-24ARB 1	37	OA	07-15-58	879	7.80	18.5			9.0		500	
14N-19E-24D 1		OA	01-01-36		7.20				58.0		450	56.0
14N-19E-33RBC 1		EK										
14N-19E-35BAA 1	37	OA	07-15-58	1040	7.40	17.5			9.4		544	
14N-19E-35DCC 1	34	OA	09-10-59	545	8.10		34.0	29.0	39.0		236	62.0
14N-20E-30RC 1		OT	01-01-36		6.00		65.0	17.0	72.0		342	51.0
14N-20E-31CCC 1	63	OT	08-14-59	145	7.70		13.0	2.8	18.0		84	4.5
15N-15E-02BA 1		EH	01-01-36		7.90							
15N-15E-10CDD 1	14	EH										
15N-15E-32HB 1	40	EE										
15N-16E-33CCH 1		OA	01-01-36		7.90							
15N-16E-34DCC 1	52	EH										
15N-17E-14C 1		EH	01-01-36		7.70							
15N-17E-15C 1		EH	01-01-36		8.10							
15N-17E-22A 1		OA	01-01-36		6.75							
15N-17E-28BAA 1	17	EH										
15N-17E-33BH 1		EH	01-01-36		7.10							
15N-17E-33BHB 1		EH	01-01-36		8.30							
15N-17E-36DDD 1	79	EH	10-17-66	2310	7.90	17.0			376.0		222	945.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
12N-21E-33CCR 1	07-11-58	27.0							304	62	0.4	
13N-15E-03CBC 1	01-04-61	660.0							92	0	23.0	
13N-16E-12CDA 1												FLD.DATA
13N-16E-32DD 1	01-01-36	67.0					715		329			
13N-16E-34AAA 1	11-15-66	58.0		0.1					192			
13N-18E-13BBC 1	10-18-66	14.0		4.0					96		18.0	
13N-18E-29BBB 1												FLD.DATA
13N-19E-01ABB 1	08-14-59	8.3	0.2	1.0					84	0	1.0	
13N-19E-02AAA 1	08-14-59	28.0		1.9					108	0	6.4	
13N-19E-02CDC 1	07-15-58	10.0							280	0	0.5	
13N-19E-03AAA 1	07-15-58	7.2		16.0	40				454	31	0.4	
13N-19E-20DDD 1												FLD.DATA
13N-20E-30CHC 1												FLD.DATA
14N-15E-14CBB 1												FLD.DATA
14N-16E-12D 1	01-01-36	17.0					628		112			
14N-16E-25BBB 1	11-15-66	342.0		3.1					48			
14N-17E-07ADD 1	01-01-36	23.0					1010		288			
14N-17E-18A 1	01-01-36	308.0					2597		1200			
14N-17E-35AAA 1												FLD.DATA
14N-18E-21BAA 1												FLD.DATA
14N-19E-24ABB 1	07-15-58	11.0			100				500	90	0.2	
14N-19E-24D 1	01-01-36	30.0					607		380			
14N-19E-33BBC 1												FLD.DATA
14N-19E-35BAA 1	07-15-58	6.1					702		640	194	0.2	
14N-19E-35DCC 1	09-10-59	22.0		0.0			320		204	10	1.2	
14N-20E-30BC 1	01-01-36	40.0					459		253			
14N-20E-31CCC 1	08-14-59	6.1	0.2	1.8	230				44	0	1.2	
15N-15E-02BA 1	01-01-36	21.0					1895		439			
15N-15E-10CDD 1												FLD.DATA
15N-15E-32BB 1												FLD.DATA
15N-16E-33CCR 1	01-01-36	10.0					426		438			
15N-16E-34DCC 1												FLD.DATA
15N-17E-14C 1	01-01-36	34.0					1910		694			
15N-17E-15C 1	01-01-36	25.0					683		75			
15N-17E-22A 1	01-01-36	27.0					391					
15N-17E-28BAA 1												FLD.DATA
15N-17E-33BB 1	01-01-36	6.0					359		57			
15N-17E-33BBB 1	01-01-36	224.0					4697		328			
15N-17E-36DDD 1	10-17-66	50.0		1.4			1710		440		7.8	

## MUSKOGEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
15N-18E-02BRC 1	30	OA	10-08-58	807	8.00	18.5	87.0	64.0	19.0	1.3	536	29.0
15N-18E-03ACC 1	32	OA	10-08-58	738	8.10	18.0	87.0	40.0	17.0	1.8	432	35.0
15N-18E-03B 1		OA	01-01-36		7.10		104.0	33.0	57.0		514	31.0
15N-18E-03HBB 1	29	OA	10-09-58	446	8.20	18.0	58.0	16.0	16.0	1.5	222	26.0
15N-18E-04 1		OA	01-01-36		5.90		10.0	4.0			15	4.0
15N-18E-04CHC 1	32	OA	10-08-58	706	8.30	18.0	40.0	43.0	40.0	1.1	200	67.0
15N-18E-05DDD 1	27	OA	05-02-59	547	8.40		35.0	25.0	36.0		144	26.0
15N-18E-09ADR 1			05-02-59	382	8.50		18.0	26.0	17.0		154	20.0
15N-18E-10AA 1		OA	01-01-36		7.00		137.0	31.0	31.0		559	37.0
15N-18E-10ADD 1	30	OA	10-08-58	580	8.20	18.5	62.0	13.0	30.0	1.0	270	58.0
15N-18E-10BBB 1	27	OA	10-08-58	582	8.20	18.0	59.0	26.0	16.0	0.8	292	38.0
15N-18E-10BC 1		OA	01-01-36		7.40		9.0	6.0	233.0		481	12.0
15N-18E-11BBB 1	21	OA	10-07-58	590	8.20	18.0	50.0	52.0	18.0	1.0	364	28.0
15N-18E-12BBB 1	21	OA	10-07-58	598	8.30	18.0	50.0	45.0	16.0	1.1	360	31.0
15N-19E-02CAA 1	33	OA	06-06-46	244	7.30	14.5	52.0	3.9	7.6		80	35.0
15N-19E-04CAA 1	40	OA	06-05-46	687	6.90		92.0	20.0	23.0		306	21.0
15N-19E-08DBD 1	37	OA										
15N-19E-08DCH 1		OA	10-09-58	876	7.60		139.0	34.0	13.0	1.6	520	48.0
15N-19E-09DAA 1	26	OA	10-10-58	395	8.10	19.5	56.0	9.8	14.0	0.9	164	39.0
15N-19E-10BCC 1	30	OA	07-08-48	448			65.0	11.0	15.0		240	20.0
15N-19E-10CAA 1	38	OA	07-02-48	529			82.0	15.0	14.0		312	24.0
15N-19E-10CD 1	33	OA	06-06-46	345	6.80	16.5	53.0	8.9	9.4		180	23.0
15N-19E-11 1		OA	09-20-44		8.60	18.0	37.0	7.2	21.0		125	27.0
15N-19E-11ADC 1	35	OA	07-01-48	724		22.0	33.0	13.0	102.0		180	110.0
15N-19E-11BAB 1	26	OA										
15N-19E-11BOD 1	35	OA	07-01-48	282			18.0	3.9	39.0		131	32.0
15N-19E-11CAB 1			10-01-58	292	7.30	18.0	22.0	9.0	24.0	5.0	168	11.0
15N-19E-12C 1	51	OA	09-20-44		8.70	18.0	28.0	3.8	45.0		163	9.0
15N-19E-14BRA 1	40	OA										
15N-19E-15A 1	38	OA	09-20-44		8.40	17.0	100.0	32.0	17.0		394	31.0
15N-19E-15A 2	26	OA	09-20-44		8.60		78.0	29.0	11.0		280	40.0
15N-19E-15AAA 1	47	OA	07-07-48	604			44.0	11.0	80.0		317	55.0
15N-19E-15BCC 1		OA	06-06-46	504	7.00	16.5	84.0	14.0	4.1		313	12.0
15N-19E-15DCC 1	30	OA	06-06-46	591	7.20		83.0	24.0	8.7		332	17.0
15N-19E-15DDD 1	29	OA	10-01-58	526	8.00	17.5	62.0	28.0	12.0	1.3	308	37.0
15N-19E-16AAA 1	42	OA	07-27-48	633			89.0	18.0	26.0		377	11.0
15N-19E-16ADD 1	23	OA	10-01-58	362	8.10	19.0	42.0	13.0	16.0	1.0	160	38.0
15N-19E-16DCC 2	32	OA	10-01-58	548	8.30		94.0	11.0	6.2	1.8	304	27.0
15N-19E-21BD 1	47	OA	09-20-44		8.30	17.0	63.0	24.0	8.5		266	34.0



(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
15N-18E-02HBC 1	10-08-58	6.2		0.6	200		478		480	40	0.4	
15N-18E-03ACC 1	10-08-58	17.0		0.5		60	446		380	26	0.4	
15N-18E-03R 1	01-01-36	34.0					541		367			
15N-18E-0388B 1	10-09-58	23.0		1.0			294		210	28	0.5	
15N-18E-04 1	01-01-36	9.0					103		55			
15N-18E-04CHC 1	10-08-58	86.0		0.1			445		275	104	1.0	
15N-18E-05DDD 1	05-02-59	83.0	0.2	0.0			306		190	66	1.1	
15N-18E-09ADB 1	05-02-59	22.0	0.2	0.0			229		152	16	0.6	
15N-18E-10AA 1	01-01-36	31.0					617		452			
15N-18E-10ADD 1	10-08-58	2.9		1.3	100		359		210	0	0.9	
15N-18E-1088H 1	10-08-58	7.1		0.2			356		255	16	0.4	
15N-18E-10HC 1	01-01-36	105.0					616		41			
15N-18E-11PRB 1	10-07-58	15.0		1.8			356		340	42	0.4	
15N-18E-12BBB 1	10-07-58	8.8		0.7			363		310	12	0.4	
15N-19E-02CAA 1	06-06-46	11.0		0.2			212					
15N-19E-04CAA 1	06-05-46	73.0		0.1			536					
15N-19E-08DBD 1												FLD. DATA
15N-19E-08DCH 1	10-09-58	20.0		9.3	230		555		485	59	0.3	
15N-19E-09DAA 1	10-10-58	22.0		0.5			274		180	46	0.5	
15N-19E-10HCC 1	07-08-48	15.0	0.1	1.5			255		207	11		
15N-19E-10CAA 1	07-02-48	7.0	0.0	7.5			318		266	11		
15N-19E-10CD 1	06-06-46	16.0		0.2			266					
15N-19E-11 1	09-20-44	10.0		0.2	500		205		127			
15N-19E-11ADC 1	07-01-48	40.0	0.1	40.0			442		136	0		
15N-19E-11BAB 1												FLD. DATA
15N-19E-11RUD 1	07-01-48	3.0	0.1	0.0			181		61	0		
15N-19E-11CAB 1	10-01-58	3.6		1.0			217		92	0	1.1	
15N-19E-12C 1	09-20-44	3.0		0.2	500		231		86			
15N-19E-14BBA 1												FLD. DATA
15N-19E-15A 1	09-20-44	13.0		5.0	500		415		381			
15N-19E-15A 2	09-20-44	8.0		68.0	1000		424		314			
15N-19E-15AAA 1	07-07-48	7.0	0.2	2.0			373		155	0		
15N-19E-15RCC 1	06-06-46	7.1		0.6			382					
15N-19E-15DCC 1	06-06-46	14.0		1.9			372					
15N-19E-15UDD 1	10-01-58	4.0		0.2	120		335		270	18	0.3	
15N-19E-16AAA 1	07-27-48	12.0	0.0	18.0			371		296	0		
15N-19E-16ADD 1	10-01-58	14.0		1.8			238		160	29	0.6	
15N-19E-16DCC 2	10-01-58	4.5		0.4			354		280	24	0.2	
15N-19E-21BD 1	09-20-44	1.0		0.5	500		272		256			



## MUSKOGEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO <sub>3</sub>	SO <sub>4</sub>
	(FT)		(MO-DA-YR)			(C.)						
15N-19E-21DCC 1	30	OA	10-02-58	590	8.30	17.5	96.0	17.0	12.0	0.4	356	14.0
15N-19E-22AAA 1	45	OA	07-09-48	355		18.5	44.0	18.0	6.8		202	7.9
15N-19E-22HHH 1	45	OA	07-15-48	680		20.0	100.0	27.0	16.0		442	21.0
15N-19E-22BBB 2	32	OA	08-14-59	515	8.30		74.0	28.0	4.1		316	28.0
			03-01-60	860	8.20		157.0	12.0	33.0		576	35.0
			03-01-60	836	8.20		162.0	8.8	31.0		572	33.0
			03-01-60	852	8.00		141.0	17.0	24.0		560	9.1
			03-01-60	836	8.20		162.0	8.8	31.0		572	33.0
			03-01-60	860	8.20		157.0	12.0	33.0		576	35.0
			03-03-60	893	8.00		120.0	20.0	66.0		592	35.0
			03-03-60	893	8.00		120.0	20.0	66.0		592	35.0
15N-19E-22CAA 1		OA	08-04-48	691		17.0	94.0	30.0	12.0		370	40.0
15N-19E-22CBC 1	30	OA	06-06-46	617	7.10		102.0	18.0	5.5		410	13.0
15N-19E-23AAB 1	42	OA	06-06-46	455	6.90	16.5	62.0	18.0	11.0		264	23.0
15N-19E-23BBB 1	70	OA	06-06-46	357	7.00	16.5	53.0	16.0	7.8		253	8.6
15N-19E-23CCC 1	38	OA	06-06-46	555	7.00	16.0	76.0	24.0	9.4		296	33.0
15N-19E-23UDD 1	30	OA	10-02-58	485	8.40	17.5	67.0	23.0	12.0	1.3	304	15.0
15N-19E-24BAA 1	24	OA	10-03-58	595	8.40	18.0	45.0	27.0	57.0	3.7	310	42.0
15N-19E-24BBB 1	34	OA	07-14-48	596			72.0	22.0	23.0		307	39.0
15N-19E-24BBB 2	30	OA	10-03-58	514	8.40	17.5	64.0	24.0	19.0	0.8	286	29.0
15N-19E-24DDD 1	26	OA	10-03-58	707	8.20	16.5	98.0	13.0	14.0	1.5	380	1.2
15N-19E-25ABH 1	40	OA	07-13-48	445			64.0	27.0	19.0		369	2.1
15N-19E-25ACC 1	31	OA	06-06-46	697	7.40	16.5	106.0	30.0	8.3		447	18.0
15N-19E-26BBB 1	30	OA	10-01-58	523	8.20	17.5	66.0	31.0	12.0	3.0	290	32.0
15N-19E-27AAA 1	46	OA	07-09-48	467		19.5	86.0	20.0	6.9		342	25.0
15N-19E-27HCC 1	28	OA	10-02-58	383	8.20	18.0	43.0	26.0	9.3	2.9	244	9.1
15N-19E-27UAD 1	26	OA	10-02-58	365	8.20	18.5	35.0	22.0	12.0	0.8	160	26.0
15N-19E-28A 10		OA	08-18-48	715		18.0	116.0	26.0	21.0		449	59.0
			08-20-48	719		18.0	115.0	25.0	11.0		435	35.0
15N-19E-28AAA 1	48	OA	07-09-48	584			76.0	24.0	6.0		311	31.0
15N-19E-28AAA 2	30	OA	10-02-58	573	8.20	18.0	91.0	25.0	6.2	0.9	374	18.0
15N-20E-30CC 1	700	OA	07-15-66	7090	8.20	11.0					620	
16N-15E-19AAA 1	60	EE										
16N-18E-14ABA 1			11-01-59	2500	8.00		160.0	55.0	246.0		292	124.0
16N-18E-33CAD 1		OA	10-09-58	522	8.20	18.0	69.0	14.0	22.0	2.6	264	40.0
16N-18E-35DDU 1	34	OA	10-07-58	758	7.90	18.5	99.0	35.0	11.0	2.4	252	133.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
15N-19E-21DCC 1	10-02-58	9.2		1.0			369		310	8	0.3	
15N-19E-22AAA 1	07-09-48	5.0	0.2	1.0			204		184	2		
15N-19E-22BBB 1	07-15-48	5.8	0.1	3.8			378		360	0		
15N-19E-22BBB 2	08-14-59	4.6	0.2	1.2	190				300	28	0.1	
	03-01-60	3.0					544		440	0	0.7	
	03-01-60	2.6					566		440	0	0.6	
	03-01-60	2.4					476		420	0	0.5	
	03-01-60	2.6					566		440	0	0.6	
	03-01-60	3.0					544		440	0	0.7	
	03-03-60	1.8					532		380	0	1.5	
	03-03-60	1.8					532		380	0	1.5	
15N-19E-22CAA 1	08-04-48	10.0	0.3	30.0			417		358	55		
15N-19E-22CHC 1	06-06-46	5.1		0.0			382					
15N-19E-23AAB 1	06-06-46	9.6		0.1			308					
15N-19E-23BBB 1	06-06-46	5.3		0.1			332					
15N-19E-23CCC 1	06-06-46	4.6		1.2			374					
15N-19E-23DDD 1	10-02-58	3.3		3.0			302		260	0	0.3	
15N-19E-24BAA 1	10-03-58	17.0		0.6			378		224	0	1.7	
15N-19E-24BBB 1	07-14-48	18.0	0.2	2.5			402		270	18		
15N-19E-24BBB 2	10-03-58	9.3		5.0			335		360	12	0.5	
15N-19E-24DDD 1	10-03-58	6.7		0.2			442		300	0	0.4	
15N-19E-25AAB 1	07-13-48	4.2	0.1	1.2			298		270	0		
15N-19E-25ACC 1	06-06-46	18.0		0.3			422					
15N-19E-26BBB 1	10-01-58	16.0		0.7			323		290	52	0.3	
15N-19E-27AAA 1	07-09-48	4.0	0.1	0.2			317		296	16		
15N-19E-27BCC 1	10-02-58	2.6		0.6			225		216	16	0.3	
15N-19E-27DAD 1	10-02-58	0.8		3.1			214		176	45	0.4	
15N-19E-28A 10	08-18-48	9.0	0.1	1.0			416		396	28		
	08-20-48	8.5	0.0	1.2			421		382	25		
15N-19E-28AAA 1	07-09-48	8.2	0.1	2.8			316		288	33		
15N-19E-28AAA 2	10-02-58	2.6		0.5	90		341		330	24	0.1	
15N-20E-30CC 1	07-15-66	2700.0							84			
16N-15E-19AAA 1												FLD. DATA
16N-18E-14ABA 1	11-01-59	333.0		400.0			1650		625	386	4.3	
16N-18E-33CAD 1	10-09-58	1.3		0.6		0	315		230	14	0.6	
16N-18E-35DDD 1	10-07-58	10.0		65.0			524		390	184	0.2	

## NOBLE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HC03	SO4
	(FT)		(MO-DA-YR)			(C.)						
20N-01W-01DCC 1	100	CS	08-14-73	1220	8.00	20.0	41.0	31.0	200.0		450	150.0
21N-02W-02BHC 1	65	CS	08-14-73	1130	7.80	17.0	63.0	18.0	180.0		507	70.0
22N-02E-32DDC 1	58	OA	05-17-73	881	7.60	18.0	70.0	26.0	99.0		488	27.0
23N-01E-15CAD 1	90	OA	08-14-73	1390	7.60	18.5	130.0	62.0	100.0		658	110.0
23N-01W-33DAA 1	22	CS	05-18-73	1450	7.50	18.0	120.0	57.0	130.0		482	150.0
23N-02W-22CCD 1	22	CS	08-14-73	1930	7.70	20.0	150.0	96.0	110.0		365	110.0
24N-01E-11DCD 1	60	CS	05-18-73	1120	7.70	17.5	69.0	17.0	170.0		464	58.0
24N-02E-35AA 1		CS	01-01-36		7.27		505.0	245.0	2870.0		158	2003.0
24N-01W-33DAA 1	22	CS										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT	(CALC)	CA+MG	NON-		
							180 DEG)		CARB			
20N-01W-01DCC 1	08-14-73	96.0					734		230	0	5.7	
21N-02W-02BHC 1	08-14-73	91.0					636		230	0	5.2	
22N-02E-32DDC 1	05-17-73	43.0		3.9			522		280			
23N-01E-15CAD 1	08-14-73	110.0					802		580	40	1.8	
23N-01W-33DAA 1	05-18-73	130.0		86.0			948		540			
23N-02W-22CCD 1	08-14-73	410.0					1160		770	470	1.7	
24N-01E-11DCD 1	05-18-73	42.0		120.0			722		240			
24N-02E-35AA 1	01-01-36	4440.0					17504		2267			
24N-01W-33DAA 1												FLD. DATA

NOWATA COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
25N-14E-11DDA 1	60	DY										
25N-16E-29DAA 1	27	DZ										
26N-14E-01ACD 1	10	DR										
26N-14E-01CDD 1	38											
26N-15E-08AAB 1	44	DS										
26N-16E-07CCD 1	29	DT										
26N-16E-21BBC 1		DZ										
26N-17E-14AAD 1	32	EC										
26N-17E-27AAA 1	16	EC										
26N-17E-29CDC 1	98	EC										
27N-15E-24BBA 1	39	DT										
27N-15E-26 1		DT	06-17-60	105,000	6.20		4270.0	1030.0	22600.0	330	331	227.0
27N-16E-29DDD 1	21	DW										
27N-17E-25BBB 1	18	EC										
27N-17E-29CDD 1	75	DZ										
28N-15E-12ADA 1	19	DR										
28N-16E-23CBB 2	58	DZ										
28N-17E-23DDD 1	52											
28N-17E-32BCC 1	34	DZ										
29N-14E-23CCD 1	75		08-12-44		7.70	17.0	86.0	35.0	39.0		258	118.0
29N-14E-24CC 1			08-12-44		8.60		8.2	3.8	683.0		361	2.0
29N-14E-26BBB 1	45											
29N-15E-22ABA 1	22	DD										
29N-15E-24AAB 1	23	DS										
29N-15E-35AAD 1	450	DS										
29N-15E-35AAD 2	75	DS										
29N-17E-19AAA 1	60	DY										
29N-17E-26DAD 1	49	DZ										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	(CALC)	HARDNESS CA+MG NON- CARB		SAR	REMARKS
25N-14E-11DDA 1												FLD. DATA
25N-16E-29DAA 1												FLD. DATA
26N-14E-01ACD 1												FLD. DATA
26N-14E-01CDD 1												FLD. DATA
26N-15E-08AAB 1												FLD. DATA
26N-16E-07CCD 1												FLD. DATA
26N-16E-21RBC 1												FLD. DATA
26N-17E-14AAD 1												FLD. DATA
26N-17E-27AAA 1												FLD. DATA
26N-17E-29CDC 1												FLD. DATA
27N-15E-24BBA 1												FLD. DATA
27N-15E-26 1	06-17-60	48600.0		19.0	10000				7000			FLD. DATA
27N-16E-29DDD 1												FLD. DATA
27N-17E-25BBB 1												FLD. DATA
27N-17E-29CDD 1												FLD. DATA
28N-15E-12ADA 1												FLD. DATA
28N-16E-23CHB 2												FLD. DATA
28N-17E-23DDD 1												FLD. DATA
28N-17E-32HCC 1												FLD. DATA
29N-14E-23CCD 1	08-12-44	61.0		28.0			560		358			FLD. DATA
29N-14E-24CC 1	08-12-44	848.0		1.0					36			FLD. DATA
29N-14E-268BB 1												FLD. DATA
29N-15E-22ABA 1												FLD. DATA
29N-15E-24AAB 1												FLD. DATA
29N-15E-35AAD 1												FLD. DATA
29N-15E-35AAD 2												FLD. DATA
29N-17E-19AAA 1												FLD. DATA
29N-17E-26UAD 1												FLD. DATA



## OKFUSKEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
10N-08E-0188A 1	58	DP	04-22-70	256	6.80	18.0			24.0		34	23.0
10N-09E-020DD 1	280	DV	04-23-70	381	8.10	18.0			75.0		194	5.4
10N-09E-19UAA 1	38	DT	04-22-70	244	7.30	15.5			14.0		44	13.0
10N-09E-34DCC 1	93	DV										
10N-10E-30AAA 1	46	OT	04-21-70	133	7.10	16.0			8.7		52	17.0
10N-11E-338CC 1	30	OT	01-29-71	618	7.80	10.5			78.0		298	25.0
10N-12E-338BA 1		OA	08-27-70	147	7.60	20.0			24.0		40	6.2
11N-06E-12DDC 1	188	DE										
11N-08E-11CBB 1	66	DE										
11N-09E-20DD 1	34	OT										
11N-10E-36ABB 1	57	DX	01-29-71	423	7.80	16.0			30.0		200	29.0
12N-07E-02HBC 1	104	DE										
12N-07E-10ABD 1	126	DE										
12N-07E-11ABB 1	121	DE										
12N-07E-20HRA 1	104	DE										
12N-07E-27BBB 1	105	DE	01-29-71	708	7.80	15.5			10.0		432	16.0
12N-08E-24HCC 1	64	DI	02-19-70	983	8.10				45.0		500	139.0
12N-10E-24CC 1	400	DX										
13N-07E-09CCC 1	67	DE										
13N-07E-16ADA 1	130	DE										
13N-07E-19CCD 1	112											
13N-07E-21DDC 1	131	DE	04-27-71	413	7.70	17.0			12.0		242	9.0
13N-07E-22CDC 1	131	DE										
13N-07E-26ABA 1	140	DE										
13N-08E-08DAA 1	32	DE	02-19-70	172	7.40	16.0			6.7		68	16.0
13N-08E-31ADA 1	46	DE										
13N-08E-32COD 1	50	DE										
13N-09E-24AAA 1	28	DR	01-28-71	380	7.50	16.5			40.0		162	39.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	N(13	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT	(CALC)	CA+MG	NUN-		
							180 DEG)		CARB			
10N-08E-01BBA 1	04-22-70	43.0		5.8			181		64	36		
10N-09E-02DDD 1	04-23-70	24.0		0.0			232		36	0		
10N-09E-19DAA 1	04-22-70	27.0		30.0			175		80	44		
10N-09E-34DCC 1												FLD. DATA
10N-10E-30AAA 1	04-21-70	3.0		1.0			109		46	4		
10N-11E-33HCC 1	01-29-71	39.0		0.3			374		160	0		
10N-12E-33HBA 1	08-27-70	7.9		19.0			114		14	0		
11N-06E-12DDC 1												FLD. DATA
11N-08E-11CBH 1												FLD. DATA
11N-09E-20DD 1												FLD. DATA
11N-10E-36ABH 1	01-29-71	17.0		0.6			241		150	0		
12N-07E-02BHC 1												FLD. DATA
12N-07E-10ABD 1												FLD. DATA
12N-07E-11ARB 1												FLD. DATA
12N-07E-20BBA 1												FLD. DATA
12N-07E-27BBB 1	01-29-71	19.0		1.0			386		380	22		
12N-08E-24BCC 1	02-19-70	10.0		23.0			627		490			
12N-10E-24CC 1												FLD. DATA
13N-07E-09CCC 1												FLD. DATA
13N-07E-16ADA 1												FLD. DATA
13N-07E-19CLD 1												FLD. DATA
13N-07E-21DDC 1	04-27-71	10.0		1.2			222		200	0		
13N-07E-22CDC 1												FLD. DATA
13N-07E-26ABA 1												FLD. DATA
13N-08E-08DAA 1	02-19-70	9.0		0.2			102		70	14		
13N-08E-31ADA 1												FLD. DATA
13N-08E-32CDD 1												FLD. DATA
13N-09E-24AAA 1	01-28-71	12.0		1.0			215		100	0		

## OKMULGEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	HG	NA	K	HCO3	SO4
10N-12E-03AAA 1	61	ED										
11N-11E-12DOA 1	75	DX										
11N-11E-12DDD 1	105	DX										
11N-12E-03BB 1	2394	ED	03-11-52		7.40		7470.0	1330.0	43800.0	129	76	47.0
11N-12E-06AD 1	173	ED										
11N-12E-06AD 2	25	ED										
11N-12E-07AAA 1	325	ED	01-21-61	792	8.40		11.0	6.9	166.0	2.0	284	54.0
11N-12E-07DCC 1	50	DX										
11N-12E-18CCB 1	165	ED										
11N-12E-28ABH 1	85	ED										
11N-12E-29HHB 1	85	ED										
11N-12E-29DDH 1	45	EH										
11N-12E-32HBA 1	101	ED										
11N-13E-03CAA 1	37	OA										
12N-12E-17CD 1	70	DX										
12N-12E-19DDD 1	231	DX	01-21-61	5270	8.10		26.0	16.0	1170.0		606	
12N-12E-20DCC 1	44	DX										
12N-12E-20DDC 1	40	DX										
12N-12E-21HA 1	208	ED	01-21-61	1900	8.60		4.0	0.5	494.0		464	16.0
12N-12E-25CBA 1	30	ED	12-06-66	3080	8.40	15.5			484.0		308	470.0
12N-12E-28AAA 1	54	ED										
12N-13E-05ARC 1	89	ED	12-06-66	1330	7.90	18.0			196.0		188	23.0
12N-13E-17BAB 1	26	EE	12-07-66	545	8.40	17.0			61.0		240	33.0
12N-14E-05BBH 1	39	EE										
12N-14E-30BBH 1	37	EE										
13N-11E-08B 1		DT	01-19-61	162	7.10	16.0	18.0	4.6	10.0		80	
13N-11E-11BA 1	86	DV	01-19-61	1210	8.20		144.0	48.0	75.0	1.9	378	356.0
13N-12E-13CBH 1	16	DT										
13N-13E-34DAA 1	51	EE										
13N-15E-04DDD 1	50	EE	01-04-61	286	7.30		31.0	7.4	10.0		62	
13N-15E-09AD 2	70	EE										
13N-15E-19DDC 1	33	EE	11-18-66	916	7.80	17.0			121.0		198	101.0
14N-11E-06BBH 1	91	DR	01-12-61	7630	8.10	17.5	380.0	341.0	1200.0		240	
14N-11E-10HBA 1	33	DT	01-13-61	612	7.20	16.0	59.0	15.0	30.0		48	
14N-13E-31AA 1	32	DT	01-19-61	921	8.10		78.0	40.0	73.0	1.0	270	266.0
14N-13E-32BBH 1	40	ED	10-19-66	4970	7.90	18.0			352.0		360	3150.0
14N-13E-36RCC 1	125	EE	01-03-61	837	7.60		42.0	20.0	94.0		126	
14N-14E-02DDC 1	49	EE	12-02-66	902	8.20	10.0			98.0		432	41.0
14N-14E-19RH 1		EE	01-19-61	3370	7.80		472.1	71.0	277.0		176	

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NU3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NON- CARB		SAR	REMARKS
10N-12E-03AAA 1												FLD.DATA
11N-11E-12DDA 1												FLD.DATA
11N-11E-12DDD 1												FLD.DATA
11N-12E-03HH 1	03-11-52	83800.0	0.0			32	140000		24,200	24,100		FLD.DATA
11N-12E-06AD 1												FLD.DATA
11N-12E-06AD 2												FLD.DATA
11N-12E-07AAA 1	01-21-61	75.0	0.5	1.4	1	0	483		56	0	9.6	FLD.DATA
11N-12E-07DCC 1												FLD.DATA
11N-12E-18CCB 1												FLD.DATA
11N-12E-28ABB 1												FLD.DATA
11N-12E-29HHH 1												FLD.DATA
11N-12E-29DDH 1												FLD.DATA
11N-12E-32HBA 1												FLD.DATA
11N-13E-03CAA 1												FLD.DATA
12N-12E-17CD 1												FLD.DATA
12N-12E-19DDD 1	01-21-61	1440.0						3425	132	0	44.0	FLD.DATA
12N-12E-20DCC 1												FLD.DATA
12N-12E-20DDC 1												FLD.DATA
12N-12E-21BA 1	01-21-61	385.0							12	0	62.0	FLD.DATA
12N-12E-25CRA 1	12-06-66	565.0		0.1			1900		500			FLD.DATA
12N-12E-28AAA 1												FLD.DATA
12N-13E-05ABC 1	12-06-66	315.0		1.4			742		198			FLD.DATA
12N-13E-17HAB 1	12-07-66	35.0		0.0			321		162			FLD.DATA
12N-14E-05HHH 1												FLD.DATA
12N-14E-30HHH 1												FLD.DATA
13N-11E-0HH 1	01-19-61	12.0						106	64	0	0.6	FLD.DATA
13N-11E-11BA 1	01-19-61	38.0	0.4	1.2		0		917	555	245	1.4	FLD.DATA
13N-12E-13CBH 1												FLD.DATA
13N-13E-34DAA 1												FLD.DATA
13N-15E-04DDD 1	01-04-61	52.0							108	57	0.4	FLD.DATA
13N-15E-09AD 2												FLD.DATA
13N-15E-19DDC 1	11-18-66	137.0		0.2					196			FLD.DATA
14N-11E-06HHH 1	01-12-61	820.0										FLD.DATA
14N-11E-10HBA 1	01-13-61	72.0					4960	2350	2390	2150	11.0	FLD.DATA
14N-13E-31AA 1	01-19-61	20.0	0.5	0.0	30	0		400	210	170	0.9	FLD.DATA
14N-13E-32HHH 1	10-19-66	150.0		0.8			663		360	138	1.7	FLD.DATA
14N-13E-36BCC 1	01-03-61	47.0				78	5160		3020		2.8	FLD.DATA
14N-14E-02DDC 1	12-02-66	64.0		3.9			541		186	82	3.0	FLD.DATA
14N-14E-19HH 1	01-19-61	13.0							276			FLD.DATA
									1880	1740	2.8	FLD.DATA

## OKMILGEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
14N-14E-25DAB 1	21	EE	12-07-66	3260	8.00	18.5			281.0		156	955.0
14N-14E-33HBC 1	45	EE										
14N-14E-33HCC 1	100	EE	01-19-61	2600	8.30		192.0	68.0	370.0	2.5	436	758.0
14N-15E-05DDD 1	24	EE	01-06-61	194	7.60		2.4	1.0	32.0		56	
14N-15E-08ADD 1	61	EE	12-02-66	2740	8.20				520.0		470	15.0
14N-15E-09ADD 1	33	EE										
14N-15E-29ABH 1	19	EE										
15N-11E-23DD 1	15	DT	01-11-61	492	8.50	12.0	24.0	15.0	54.0		200	
15N-11E-27BH 1	65	DT	01-11-61	1750	8.60	16.5	38.0	56.0	290.0	1.8	678	104.0
15N-11E-28AB 1	40	DR										
15N-12E-01RHH 1	256	ED										
15N-12E-06DD 1		DR	01-18-61	3490	8.00	16.0						
15N-12E-10CDD 1		DX	08-01-67	3800	8.30				804.0	4.6	508	122.0
15N-12W-19DDD 1	225	DX										
15N-12E-30AC 1	160	DX	07-23-48	2580			6.8	4.7	575.0		528	12.0
15N-12E-32DC 1	30	DX										
15N-14E-02ADA 1	34	EE	12-01-66	2640	8.00	17.0			324.0		1040	161.0
15N-14E-08DCC 1	30	ED	11-18-66	69	7.10	18.5			12.0		20	12.0
15N-14E-34AAA 1	30	EE	01-08-61	715	7.50		70.0	25.0	47.0		232	
15N-14E-34AAA 2	32	EE	01-06-61	1560	8.60		22.0	48.0			550	
16N-13E-26DAD 1	50	DX	12-01-66	2480	8.30	17.0			400.0		292	252.0
16N-13E-28AB 1	40	DX	01-18-61	2780	7.80		380.0	188.0	97.0		178	
16N-13E-29AAA 1	32	DX										
16N-13E-36DDD 1	72	DX										
16N-14E-28DAA 1	125	DX										
16N-14E-32DDD 1	60	ED	01-07-61	1250	8.20		26.0	44.0	196.0		272	

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARR		
14N-14E-25DAB 1	12-07-66	318.0		297.0			2490		1200			
14N-14E-33BBC 1												FLD. DATA
14N-14E-33RCC 1	01-19-61	230.0	0.3	28.0	23	0	1930		760	382	5.8	
14N-15E-05DDD 1	01-06-61	5.5							10	0	4.4	
14N-15E-08ADD 1	12-02-66	715.0		2.0			1550		280			
14N-15E-09ADD 1												FLD. DATA
14N-15E-29ABH 1												FLD. DATA
15N-11E-23DD 1	01-11-61	39.0						320	120	0	2.1	
15N-11E-27HB 1	01-11-61	148.0	0.6	60.0	2	1	1100		324	0	7.0	
15N-11E-28AB 1												FLD. DATA
15N-12E-01BBH 1												FLD. DATA
15N-12E-06DD 1	01-18-61							2270	1780	1360	2.9	
15N-12E-10CDD 1	08-01-67	940.0		0.4	580		2160		142		29.0	
15N-12E-19DDD 1												FLD. DATA
15N-12E-30AC 1	07-23-48	585.0	0.7	0.2			1450		36	0		
15N-12E-32UC 1												FLD. DATA
15N-14E-02ADA 1	12-01-66	235.0		3.8			1710		650			
15N-14E-08DCC 1	11-18-66	10.0		0.7			63		18			
15N-14E-34AAA 1	01-08-61	78.0							276	86	1.2	
15N-14E-34AAA 2	01-06-61	240.0							252	0	6.9	
16N-13E-26DAD 1	12-01-66	495.0		2.6			1450		340			
16N-13E-28AB 1	01-18-61	62.0							1760	1570	1.0	
16N-13E-29AAA 1												FLD. DATA
16N-13E-36DDD 1												FLD. DATA
16N-14E-28DAA 1												FLD. DATA
16N-14E-32DDD 1	01-07-61	63.0							244	21	5.4	



## OSAGE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MU-DA-YR)			(C.)						
20N-09E-06CCB 1	1	DT	07-13-73	327	7.90	17.5	29.0	11.0	26.0		181	14.0
20N-10E-09DBB 1	20	DA	07-08-48	953		16.5	116.0	38.0	8.3		346	81.0
20N-10E-15AD 1	136	DJ	07-08-48	1710		19.0	148.0	83.0	98.0		216	400.0
20N-11E-10AA 1	74	DP	07-09-48	305		18.5	14.0	12.0	16.0		16	17.0
20N-12E-08DD 1	46	DR										
20N-12E-30CAC 1	176	EI	08-24-70	1280	8.00	19.5			262.0		384	194.0
20N-12E-30CBA 1	224	DR	08-24-70	1220	7.90	19.5			232.0		394	215.0
21N-07E-11CAA 1	42	DE	07-11-73	256	7.80	17.5	30.0	5.6	13.0		108	13.0
21N-09E-23DCC 1	220	DE										
21N-10E-05A 1	186	DJ	07-13-48	1030		18.0	22.0	26.0	185.0		253	41.0
21N-10E-31CCA 1	176	DI	07-13-73	475	7.70	18.0	49.0	16.0	29.0		277	16.0
21N-11E-28AD 1	74	DP	07-13-48	1680		17.5	54.0	123.0	216.0		381	658.0
21N-12E-09DD 1	61	DR	07-13-48	2890			101.0	61.0	414.0		266	281.0
22N-07E-16RBD 1	21	DE	07-11-73	999	7.60	21.0	110.0	28.0	64.0		372	60.0
22N-08E-11DDC 1	152	DE										
22N-08E-15CDD 1	250	DE										
22N-08E-31ACC 1	125	DE										
22N-08E-33RAA 1	100		08-16-71	708	8.10	19.0			72.0		376	28.0
22N-09E-17CCC 1	200	DE	01-18-73	770	8.00	17.5	6.0	8.0	180.0		416	38.0
22N-10E-27AB 1	184	DJ	07-12-48	449		20.0	25.0	18.0	43.0		192	34.0
22N-10E-35B 1	240	DJ	07-09-63	1820	7.80	20.5			210.0		276	45.0
22N-11E-22DB 1	56	DJ	07-12-48	171		18.0	16.0	5.6	10.0		70	6.6
22N-11E-27CA 1	43	UA										
22N-12E-05DA 1	50	DJ	07-13-48	643			48.0	19.0	62.0		85	63.0
23N-03E-04HDC 1	31	DT										
23N-04E-18HDA 1	50	UA	07-11-73	387	7.70	17.5	38.0	8.6	29.0		164	25.0
23N-06E-18CAC 1	21	UA	07-10-73	912	7.50	18.5	140.0	37.0	21.0		548	34.0
23N-07E-09HDA 1	87	DE	01-18-73	740	8.00	17.5	22.0	13.0	140.0		386	59.0
23N-07E-09HDA 2	87	DR										
23N-08E-07DCC 1	350	DE	04-04-75	2995		11.0	220.0	57.0	140.0	2.3	176	120.0
23N-08E-11AAA 1	60	DE										
23N-08E-11HBD 1		DE										
23N-08E-11DDA 1	65	DE										
23N-09E-06CCB 1	11	DE										
23N-09E-06CCB 2	169	DE										
23N-09E-10DAA 1	55	DE	12-15-71	598	7.70				53.0		294	46.0
23N-09E-15DDD 1		DE										
23N-09E-19DDU 1		DE	04-03-75	1030		17.0	51.0	17.0	130.0	23.0	257	21.0
23N-09E-25BCC 1	187	DE	04-03-75	1010		17.0	87.0	60.0	77.0	3.3	205	190.0

	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	HARDNESS (CALC) CA+MG NON- CARB			SAR	REMARKS
	20N-09E-06CCB 1	07-13-73	12.0		0.2			200	120	0		1.0	
	20N-10E-09DHB 1	07-08-48	62.0	0.6	8.0			442	446	162			
	20N-10E-15AD 1	07-08-48	105.0	0.2	225.0			1250	711	534			
	20N-11E-10AA 1	07-09-48	51.0	0.2	20.0			194	84	71			
	20N-12E-08DDD 1												FLD. DATA
	20N-12E-30CAC 1	08-24-70	98.0		1.5			786	86	0			
	20N-12E-30CBA 1	08-24-70	63.0		0.0			754	132	0			
	21N-07E-11CAA 1	07-11-73	7.8		4.9			192		9			
	21N-09E-23DCC 1												FLD. DATA
	21N-10E-05A 1	07-13-48	200.0	1.0	2.0			618	162	0			
	21N-10E-31CCA 1	07-13-73	14.0		0.0			272	190	0		0.9	
	21N-11E-28AD 1	07-13-48	52.0	0.2	50.0			1340	641	329			
	21N-12E-09DD 1	07-13-48	618.0		6.0			1740	503	268			
	22N-07E-16RRD 1	07-11-73	68.0		17.0								FLD. DATA
	22N-08E-11DDC 1												FLD. DATA
	22N-08E-15CDD 1												FLD. DATA
	22N-08E-31ACC 1												FLD. DATA
	22N-08E-33BAA 1	08-16-71	31.0		7.0			408	230	0		2.1	
	22N-09E-17CCC 1	01-18-73	25.0		0.4			466	48	0		11.0	
	22N-10E-27AB 1	07-12-48	19.0	0.2	1.0			242	136	0			
	22N-10E-35B 1	07-09-63	420.0		1.2	870		1050	410	184		4.5	
	22N-11E-22DB 1	07-12-48	11.0	0.2	6.0			134	63	6			
	22N-11E-27CA 1												FLD. DATA
	22N-12E-05DA 1	07-13-48	61.0		75.0			431	198	78			FLD. DATA
	23N-03E-04BDC 1												
	23N-04E-14BDA 1	07-11-73	11.0		28.0			275	130	0		1.1	
	23N-06E-18CAC 1	07-10-73	14.0		0.0			445	500	52		0.4	
	23N-07E-09HDA 1	01-18-73	16.0		2.4			454	110	0		5.9	
	23N-07E-09BDA 2												FLD. DATA
	23N-08E-07DCC 1	04-04-75	570.0				40	1410	780	640		2.2	
	23N-08E-11AAA 1												FLD. DATA
	23N-08E-11HBD 1												FLD. DATA
	23N-08E-11DDA 1												FLD. DATA
	23N-09E-06CCB 1												FLD. DATA
	23N-09E-06CCB 2												FLD. DATA
	23N-09E-10DAA 1	12-15-71	24.0		0.8			335	210	0			
	23N-09E-15DDD 1												FLD. DATA
	23N-09E-19DDU 1	04-03-75	170.0					557	200	0		4.0	
	23N-09E-25BCC 1	04-03-75	110.0				40	708	460	300		1.6	

## OSAGE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
23N-10E-06ACC 1	70	DE										
23N-10E-08DDD 1	185	DE										
23N-10E-14HAA 1	200	DI	03-21-73	706	8.00		4.0	1.4	170.0		384	26.0
23N-12E-06AAC 1	22	DJ	03-21-73	263	6.70		24.0	9.2	13.0		84	27.0
24N-03E-24C 1			08-25-49	1240			107.0	28.0	123.0		304	89.0
24N-04E-04CB 1	49	OA										
24N-04E-35CAD 1	20	OA	07-11-73	779	7.70		100.0	26.0	44.0		419	31.0
			07-11-73	854	8.20	18.5	5.5	0.3	210.0		458	25.0
			08-01-73	1460	7.30		150.0	18.0	150.0		563	30.0
24N-05E-24DAD 1	30	OA										
24N-07E-05AAD 1	390	DA										
24N-08E-08DD 1												
24N-08E-11BAC 1	240	DE										
24N-08E-14DDD 1	27	DE										
24N-08E-33CCA 1	25		08-20-71	862	8.00	27.0			40.0		388	120.0
24N-08E-35ADB 1	26	DE										
24N-09E-03DAA 1	260	DE	04-02-75	1060		15.0	5.1	3.1	240.0	1.5	420	53.0
24N-09E-08BAC 1	130	DE										
24N-09E-20AHB 1	325		08-19-71	406	7.90	23.0			53.0		192	37.0
25N-02E-14ADA 1	25	OA	07-12-73	776	7.60	17.0	130.0	12.0	13.0		264	38.0
25N-03E-31AA 1			01-01-36		7.78		114.0	22.0	31.0		412	47.0
25N-03E-32AA 1			01-01-36		7.08		107.0	24.0			310	
25N-03E-35HCB 1	82	OA	07-12-73	758	7.50	17.0	100.0	22.0	33.0		395	27.0
25N-04E-03AAB 1	35	EU	05-17-73	813	7.20		97.0	24.0	47.0		392	22.0
25N-06E-24HBA 1			08-02-49	128.000	6.40	35.0	6710.0	1,670	31,800		11	19.0
25N-07E-10AAA 1	300	DE										
25N-08E-02DDD 1	235	DE										
25N-09E-01DBD 1	106	DE										
25N-09E-08DAA 1	188	DE										
25N-09E-19DCB 1		DE	05-14-71	2250			180.0	41.0	150.0	1.6	253	24.0
25N-09E-20CAA 1	172	DE										
25N-09E-24RAD 1	240	DE	11-16-72	978	8.00		33.0	28.0	160.0		480	86.0
25N-09E-35BAA 1	45	DE										
25N-09E-35BAD 2	255	DE	02-22-73	1090	7.00		120.0	34.0	67.0		262	150.0
25N-10E-17CCH 1	83	DE										
25N-11E-22CCD 1	40	DM	03-01-73	354	6.20		21.0	11.0	17.0	14.0	25	18.0
26N-03E-33CHD 1	26	OA	07-12-73	1330	7.50		150.0	24.0	98.0		370	57.0
26N-04E-32DA 1			01-01-36		7.98		113.0	16.0			373	13.0
26N-04E-33CC 1			01-01-36		7.40		124.0	26.0			466	17.0
26N-05E-25CCA 1	33	OA	05-17-73	681	7.20		110.0	12.0	21.0		320	30.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NUM- CA+Mg		SAR	REMARKS
23N-10E-06ACC 1												FLO. DATA
23N-10E-08DDD 1												FLO. DATA
23N-10E-14BAA 1	03-21-73	25.0		0.0			466		16	0		FLO. DATA
23N-12E-06AAC 1	03-21-73	18.0		8.4			173		98	29		
24N-03E-24C 1	08-25-49	207.0		20.0			808		382	133		
24N-04E-04CB 1												FLO. DATA
24N-04E-35CAD 1	07-11-73	43.0		0.0			363		360	13	1.0	FLO. DATA
	07-11-73	43.0		0.0			573		15	0	24.0	
24N-05E-24DAD 1	08-01-73	210.0					831		450	0	3.1	
24N-07E-05AAD 1												FLO. DATA
24N-08E-08DD 1												FLO. DATA
24N-08E-11BAC 1												FLO. DATA
24N-08E-14DDD 1												FLO. DATA
24N-08E-33CCA 1	08-20-71	28.0		12.0			560		400	87	0.9	
24N-08E-35ADB 1												FLO. DATA
24N-09E-03DAA 1	04-02-75	54.0				70	627		26	0	21.0	
24N-09E-08BAC 1												FLO. DATA
24N-09E-20ABH 1	08-19-71	11.0		0.5			250		98	0	2.3	
25N-02E-14ADA 1	07-12-73	11.0		150.0			578		370	160	0.3	
25N-03E-31AA 1	01-01-36	45.0					443		375			
25N-03E-32AA 1	01-01-36	12.0					454		366			
25N-03E-35HCB 1	07-12-73	28.0		25.0			474		340	16	0.8	
25N-04E-03AAH 1	05-17-73	25.0		81.0			512		340	19		FLO. DATA
25N-06E-24BBA 1	08-02-49	65800.0					116,000		23,600	23,600	90.0	
25N-07E-10AAA 1												FLO. DATA
25N-08E-02DDD 1												FLO. DATA
25N-09E-01UBD 1												FLO. DATA
25N-09E-08DAA 1												FLO. DATA
25N-09E-19DCB 1	05-14-71	470.0				200	1180			380	2.6	FLO. DATA
25N-09E-20CAA 1												FLO. DATA
25N-09E-24BAI 1	11-16-72	43.0		1.0			582		200	0	5.0	
25N-09E-35BAA 1												FLO. DATA
25N-09E-35HAD 2	02-22-73	110.0		58.0			658		430			
25N-10E-17CCH 1												FLO. DATA
25N-11E-22CCD 1	03-01-73	35.0		84.0			249		96			FLO. DATA
26N-03E-33CBD 1	07-12-73	230.0		6.6			882		470	170	2.0	
26N-04E-32DA 1	01-01-36	9.0					355		349			
26N-04E-33CC 1	01-01-36	15.0					533		417			
26N-05E-25CCA 1	05-17-73	48.0		0.0			407		320	56	0.5	FLO. DATA

USAGE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
26N-08E-09BDC 1	28	DE										
26N-08E-32BHC 1	100	DE										
26N-09E-11DBA 1		DE										
26N-09E-14ACB 1	109	DE	04-10-73	291	7.80		19.0	7.8	19.0		37	7.6
26N-09E-31CBC 1	127	DE										
26N-09E-32DDD 1	40	DE										
26N-10E-03AHH 1	225	DE										
26N-10E-03ACA 1	256	DE										
26N-10E-09ADA 1	130	DE	03-13-75	2695	7.80	15.0	11.0	2.8	600.0		447	
27N-05E-03DCB 1	85	DE										
27N-07E-33CCD 1	30	DE	02-22-73	573	7.20		100.0	7.8	15.0		302	49.0
27N-08E-03ACC 1	227	DE										
27N-09E-27ACC 1	125	DE	02-22-73	1120	8.20		4.0	1.2	270.0		590	94.0
27N-11E-26AHC 1	180	DM	03-21-73	1580	8.10		34.0	26.0	290.0		518	99.0
28N-07E-28DCD 1	29	DA	09-27-72	830	8.20		75.0	33.0	68.0		416	93.0
28N-07E-29DUA 1	900	DE	03-26-75	4000		12.5	8.1	3.4	860.0	3.2	560	220.0
28N-08E-03AAA 1	300	DE	04-10-73	1010	7.80		8.7	1.8	19.0	1.1	378	40.0
28N-08E-08DDA 1	500	DE	03-06-75	2070	8.50	12.0	4.7	2.0	440.0	2.7	411	20.0
28N-09E-15DAC 1	160	DE	03-12-75	893	9.00	18.0	1.8	0.1	210.0	1.1	386	56.0
28N-09E-29DDA 1	900	DE	03-26-75	4000		12.5	8.1	3.4	860.0	3.2	560	220.0
28N-10E-110BB 1	141	DE										
28N-10E-33ADA 1	153	DE	01-17-73	394	7.30	15.5	42.0	14.0	17.0		158	40.0
28N-11E-10CBD 1	92	DM	11-15-72	1960	7.80		80.0	54.0	310.0		656	290.0
29N-09E-23CDA 1	90	DE	03-06-75	1210	6.50	12.5	99.0	31.0	150.0	1.7	336	45.0
29N-10E-138CD 1	100	DE										
29N-10E-17AHH 1	30	DE										
29N-10E-23CCC 1	76	DA	11-17-72	766	7.70	15.0	110.0	15.0	44.0		474	3.5
29N-10E-23CCC 2	73	DE										
29N-10E-29BCA 1	125	DE	01-31-74	3520								
			11-20-73	3170	7.40		110.0	24.0	520.0		289	31.0
29N-10E-29BCA 2	117	DE										
29N-10E-29HDC 1	65		12-15-71	444	7.70				14.0		190	42.0
			01-31-73	922	7.80		140.0	14.0	25.0			36.0
			01-31-74	890	7.60	15.0	140.0	14.0	24.0			34.0
29N-10E-29CAA 1			12-15-71	26100	2.10		1400.0	200.0	2500.0		0	120.0
29N-10E-35DAA 1	75	DA	11-17-72	826	7.70	15.0	130.0	15.0	43.0		528	5.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NU3	B	FE	DISSOL. SOLIDS (RES. AT (CALC) 180 DEG)		HARDNESS CA+MG NON- CARB		SAR	REMARKS
26N-08E-09HDC 1												FLD. DATA
26N-08E-32BHC 1												FLD. DATA
26N-09E-11DHA 1												FLD. DATA
26N-09E-14ACB 1	04-10-73	39.0							80	49	0.9	
26N-09E-31CBC 1												FLD. DATA
26N-09E-32DDD 1												FLD. DATA
26N-10E-03ABH 1												FLD. DATA
26N-10E-03ACA 1												FLD. DATA
26N-10E-09ADA 1	03-13-75	640.0				10	1490		39	0	42.0	
27N-05E-03DCH 1												FLD. DATA
27N-07E-33CCD 1	02-22-73	12.0		1.0			333		290			
27N-08E-03ACC 1												FLD. DATA
27N-09E-27ACC 1	02-22-73	18.0		0.4			674		15			
27N-11E-26AHC 1	03-21-73	200.0		0.2			946		190	0		FLD. DATA
28N-07E-28DCD 1	09-27-72	27.0		0.6			517		320	0	1.6	
28N-07E-29DDA 1	03-26-75	860.0				10	2290		34	0	64.0	
28N-08E-03AAA 1	04-10-73	110.0		12.0			637		900	902		
28N-08E-08DDA 1	03-06-75	440.0				10	1140		20	0	43.0	
28N-09E-15DAC 1	03-12-75	63.0				10	542		5	0	41.0	
28N-09E-29DDA 1	03-26-75	860.0				1	2290		34	0	64.0	
28N-10E-11DBH 1												FLD. DATA
28N-10E-33ADA 1	01-17-73	20.0		7.5			235		160	34	0.6	
28N-11E-10CBD 1	11-15-72	190.0		0.2			1240		420	0	6.6	
29N-09E-23CDA 1	03-06-75	280.0				10	1030		370	99	3.4	FLD. DATA
29N-10E-13BCD 1												FLD. DATA
29N-10E-17ABH 1												FLD. DATA
29N-10E-23CCC 1	11-17-72	29.0		0.3			450		340	0	1.0	
29N-10E-23CCC 2												FLD. DATA
29N-10E-29HCA 1	01-31-74	1000.0	2.6									
	11-20-73	910.0		0.1			1740		370	140	12.0	
29N-10E-29HCA 2												FLD. DATA
29N-10E-29BDC 1	12-15-71	20.0		4.1			270		202	46		
	01-31-73	120.0					568					
	01-31-74	120.0										
29N-10E-29CAA 1	12-15-71	9400.0		0.0			14300		4300	4300		
29N-10E-35DAA 1	11-17-72	25.0		0.2			480		380	0	1.0	



OTTAWA COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE (IF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	MCU3	SD4
25N-24E-04CCC 1	200	GD	04-29-48	460		21.0					176	5.0
26N-22E-02DCD 1	157	GB										
26N-22E-29BBH 1	1165	LQ	07-25-46	106		16.0	39.0	19.0	179.0		282	18.0
26N-22E-32DBH 1	1066	LQ	07-29-44		8.20		43.0	20.0	218.0		168	16.0
26N-23E-08BB 1	1100	LQ	07-25-46	66			45.0	16.0	86.0		182	16.0
26N-23E-09CA 1	1253	LQ	07-29-44		8.40	20.0	34.0	16.0	66.0		164	17.0
			09-06-51	613	8.10		32.0	15.0	71.0	4.1	166	15.0
26N-23E-33DDD 1	68	OT										
26N-24E-03A 1	437	GD										
26N-24E-03CAA 1	1700	GD	07-24-46	36		16.0	55.0	9.3	18.0		203	13.0
27N-22E-12CCC 1	1065	LQ										
27N-23E-04DCC 1	1033	LQ	05-01-48	541			30.0	16.0	61.0		148	15.0
27N-23E-07BD 1	1055	LQ	07-25-46	48		19.0	33.0	14.0	36.0		156	21.0
27N-23E-28CDC 2	245	GB	07-24-46	82		18.0	16.0	12.0	172.0		419	32.0
27N-24E-19 1	96	GD	10-01-60	577	7.40		96.0	8.9			304	
27N-24E-21CD 1	1040	LQ	07-24-46	28			32.0	14.0	10.0		138	17.0
27N-24E-32AAC 1	90	GD										
27N-25E-31D 1		GD	07-24-46	266		15.0	50.0	1.7	8.2		126	9.5
			03-06-56	298	7.90	16.0	54.0	2.8	4.1		158	8.2
			06-06-56	241	7.60	15.0	44.0	1.5	4.6	1.7	118	19.0
28N-22E-11ABH 1	1150	LQ	07-25-46	30		17.0	28.0	13.0	20.0		150	17.0
28N-22E-24AAB 1	1235	LQ	08-03-44		8.40	20.0	32.0	16.0	16.0	3.0	151	15.0
			08-03-44			20.0						
28N-22E-24CAD 1	1055	LQ										
28N-22E-35D 1	1130	LQ	07-26-46	30		17.0	30.0	14.0	17.0		137	16.0
28N-23E-06CHB 1	1050	LQ	09-03-42				32.0	15.0	1.8		146	12.0
			09-06-51	277	7.90		28.0	13.0	9.6	2.2	146	16.0
28N-23E-30CA 1	1233	LQ	03-30-59	747	7.80		42.0	16.0	82.0	3.3	150	14.0
28N-23E-30DAC 1	1640	LN										
28N-23E-31AH 1	1249	LQ										
28N-23E-31HA 1	1247	LQ	05-20-52	592	7.90	21.0	32.0	15.0	63.0	3.0	148	18.0
			03-30-59	316	7.70		31.0	12.0	19.0	2.9	160	13.0
			03-30-50	308	7.70		29.0	11.0	22.0	2.9	158	14.0
28N-23E-31CC 1	1250	LQ	09-03-42				37.0	16.0	42.0		152	12.0
28N-23E-31CC 2	1116	LQ	03-30-59	300	7.80		32.0	12.0	15.0	2.8	152	13.0
28N-23E-32BAR 1	1345	LQ	03-30-59	416	7.70		33.0	13.0	34.0	2.7	144	14.0
28N-23E-33HA 1	1526	LQ	03-30-59	625	7.80		38.0	12.0	68.0	3.2	146	13.0
28N-24E-06A 1		GD	04-30-34								243	
28N-24E-12CD 1	185	GD	04-27-48	336		14.0	52.0	5.3	1.9		150	18.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	SOLIDS (CALC)	HARDNESS CA+MG NON- CAPR	SAR	REMARKS	
25N-24E-04CCC 1	04-29-48	61.0		0.0					89			
26N-22E-02DCD 1												FLD. DATA
26N-22E-29BBB 1	07-25-46	205.0		0.2			578		175			
26N-22E-32DBB 1	07-29-44	359.0		2.8					190			
26N-23E-08BBB 1	07-25-46	130.0		0.2			374		178			
26N-23E-09CA 1	07-29-44	101.0		0.2					151			
	09-06-51	104.0	0.7	0.2		1	320		142	6		
26N-23E-33DDD 1												FLD. DATA
26N-24E-03A 1												FLD. DATA
26N-24E-03CAA 1	07-24-46	10.0		0.0			225		175			
27N-22E-12CCC 1												FLD. DATA
27N-23E-04DCC 1	05-01-48	94.0	0.2	4.5			287		141	19		
27N-23E-07BD 1	07-25-46	54.0		0.2			265		140			
27N-23E-28CDC 2	07-24-46	24.0		0.2			494		89			
27N-24E-19 1	10-01-60	15.0		5.5					276	27		
27N-24E-21CD 1	07-24-46	10.0		0.2			162		137			
27N-24E-32AAC 1												FLD. DATA
27N-25E-31D 1	07-24-46	9.0		11.0			188		132			
	03-06-56	8.7		1.1		0	165		146	16	0.1	
	06-06-56	6.6	0.2	3.0	20	60	170		116	20	0.2	
28N-22E-11ABB 1	07-25-46	11.0		0.2			183		123			
28N-22E-24AAH 1	08-03-44	32.0	0.2	0.2		60	201		146			
	08-03-44	33.0										
28N-22E-24CAD 1												FLD. DATA
28N-22E-35D 1	07-26-46	17.0		0.2			189		132			
28N-23E-06CHR 1	09-03-42	7.0	0.5	2.2		0						FLD. DATA
	09-06-51	8.0	0.5	0.2		10	149		123	4		
28N-23E-30CA 1	03-30-59	150.0	0.5	0.1	180	10	441		170	47	2.7	
28N-23E-30UAC 1												FLD. DATA
28N-23E-31AR 1												FLD. DATA
28N-23E-31BA 1	05-20-52	103.0	0.7	0.0		0	320		142	20		
	03-30-59	14.0	1.2	0.1		10	200		128	0	0.7	
	03-30-59	12.0	1.2	0.1	310	100	191		116	0	0.9	
28N-23E-31CC 1	09-03-42	78.0	0.5	2.6		20						
28N-23E-31CC 2	03-30-59	12.0	0.9	0.2		0	187		128	4	0.6	
28N-23E-32HAB 1	03-30-59	50.0	0.5	0.0		0	242		134	16	1.3	
28N-23E-33HA 1	03-30-59	114.0	0.6	0.0		0	351		144	24	2.5	
28N-24E-06A 1	04-30-34											
28N-24E-12CD 1	04-27-48	9.5	0.1	0.5			197		152	29		

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	S04
29N-21E-13ABR 1	375	GD										
29N-21E-13ABR 2	375	GD	07-28-44	8.10			20.0	11.0	178.0		308	42.0
29N-21E-13ABC 1	350	GD										
29N-21E-23BCD 1	182	GD	04-28-48	982		17.0	12.0	4.6	230.0		510	28.0
			04-28-48	534		13.0	54.0	19.0	37.0		194	68.0
<u>29N-22E-13DDC 1</u>	1267	LQ	10-14-37								168	12.0
29N-23E-15CD 2	675	LM	04-29-48	459							180	65.0
29N-23E-18BA 1	1080	LQ	04-29-48	1070			45.0	24.0	146.0		164	21.0
<u>29N-23E-18DC 1</u>	1176	LQ	10-14-37				33.0	16.0	16.0		158	18.0
29N-23E-19DDC 1	1150	EJ	09-12-42				34.0	16.0	4.8		144	28.0
<u>29N-23E-19DDD 1</u>	1100	LQ										
<u>29N-23E-21BBC 1</u>	1077	LQ	09-03-42			20.0	34.0	16.0	3.7		148	12.0
			09-06-51	300	8.10		29.0	14.0	12.0	1.9	145	16.0
100 29N-23E-21BBC 2	1125	LQ	04-28-48	303		20.0	30.0	16.0	14.0		147	18.0
29N-23E-23HCD 1	12	EK										
29N-23E-25AA 1	1229	LQ	04-15-47	92		21.0	40.0	20.0	124.0		161	19.0
<u>29N-23E-25AAA 1</u>	1229	LQ										
29N-23E-26A 1		EK	04-30-34								137	
<u>29N-23E-31BDD 1</u>	1175	LQ	10-14-37								142	14.0
			09-12-42			21.0	29.0	14.0	12.0		144	13.0
29N-23E-34ABR 1		EK	04-30-34								258	
<u>29N-23E-35BAA 1</u>	1325	LQ,LR	11-03-42			18.0	106.0	38.0	2.3		220	124.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
29N-21E-13ABH 1												FLD. DATA
29N-21E-13ABH 2	07-28-44	132.0		0.2					95			
29N-21E-13ABC 1												FLD. DATA
29N-21E-23BCD 1	04-28-48	53.0	1.0	0.0			588		49	0		
	04-28-48	14.0	0.1	30.0			335		213	34		
29N-22E-13DDC 1	10-14-37	259.0		0.0								
29N-23E-15CD 2	04-29-48	14.0		0.0					128			
29N-23E-18BA 1	04-29-48	260.0	0.6	4.0			583		211	77		
29N-23E-18DC 1	10-14-37	94.0		0.0					148			
29N-23E-19DDC 1	09-12-42	8.5	0.3	1.8		60						
29N-23E-19DDD 1												FLD. DATA
29N-23E-21HBC 1	09-03-42	16.0	0.4	1.7		30						
	09-06-51	16.0	0.3	0.2		20	157		130	11		
29N-23E-21HRC 2	04-28-48	23.0	0.1	0.0		1	178		141	20		
29N-23E-23HCD 1												FLD. DATA
29N-23E-25AA 1	04-15-47	212.0	0.5	0.0					182			FLD. DATA
29N-23E-25AAA 1												
29N-23E-26A 1	04-30-34											
29N-23E-31HDD 1	10-14-37	11.0		0.0								
	09-12-42	16.0	0.4	1.6		0						
29N-23E-34ABH 1	04-30-34											
29N-23E-35HAA 1	11-03-42	80.0	0.3	2.2		4600						

## PAWNEE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
18N-06E-31BCH 1		DE	04-01-75	1950		17.0	170.0	82.0	180.0	4.6	200	670.0
20N-07E-01CDU 1	137	DE										
20N-07E-01DAD 1	90	DE	04-09-75	2880		17.0	390.0	13.0		4.5	413	970.0
20N-07E-09DCU 1	128	DE	05-24-72	2420	7.90	18.5			120.0		482	1100.0
20N-08E-05DDA 1	28	DE	08-12-71	369	6.40	28.0			34.0		24	12.0
20N-08E-06CCC 1		DE	04-10-75	1650		15.0	140.0	110.0	74.0	3.5	487	450.0
20N-08E-09DCU 1	20	DE	08-02-71	1030	7.00	18.0	81.0				44	66.0
20N-08E-17AAD 1	80	DE	08-02-71	1170	7.70	20.0			150.0		140	250.0
20N-08E-17DAA 1	80	DE	08-02-71	1170	7.70	20.0			150.0		140	250.0
20N-09E-05BCH 1	127	DE	03-30-72	568	7.80	16.0			47.0		176	140.0
21N-04E-28CCA 1	59	DE	05-23-72	551	7.70	16.5			19.0		50	49.0
21N-07E-19BBH 1	38	DB	05-18-73	926	7.90	17.5	20.0	10.0	190.0		478	10.0
21N-07E-21ADR 1	266	DE										
21N-07E-24CCD 1	156	DE										
21N-07E-24CDD 1	90	DE										
21N-08E-20DCA 1	85	DE	08-13-71	591	7.30	26.5			32.0		72	91.0
21N-08E-29AAD 1	65	DE	08-19-71	1360	6.90	33.0			102.0		50	58.0
22N-03E-22CDD 1	129		05-23-72	2130	8.30	20.5			470.0		482	200.0
22N-04E-24ADA 1	194		05-23-72	2600	8.40	19.0			580.0		506	110.0
22N-07E-15DDD 1	160	DE	08-01-73	1320	8.40		3.7	1.2	290.0		326	53.0
22N-07E-27ABH 1	23	OA	08-01-73	8460	7.80		120.0	23.0	30.0		389	46.0
22N-07E-27AAB 2		DE	10-01-73	8460	7.80		118.0	23.0	30.0		389	46.0
23N-03E-07RCC 1	34	OA										
23N-03E-21ACC 1	30	OA	08-01-73	1170	7.90		96.0	25.0	120.0		404	69.0
23N-06E-34CDU 1	23	OA	08-02-73	1110	7.70		120.0	24.0	110.0		573	81.0
24N-05E-16AAC 1	25	OA	08-01-73	1300	7.60		130.0	37.0	56.0		359	150.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARR		
18N-06E-31BCR 1	04-01-75	110.0					1570		760	600	2.8	FLD. DATA
20N-07E-01CDD 1												
20N-07E-01DAD 1	04-09-75	270.0				30	2220		1500	1200	1.2	
20N-07E-09DCD 1	05-24-72	100.0		1.3			2080		1400	980	1.4	
20N-08E-05DDA 1	08-12-71	110.0		0.0			239		110	88	1.4	
20N-08E-06CCC 1	04-10-75	80.0				20	1200		800	400	1.1	
20N-08E-09DCD 1	08-02-71	220.0		26.0			676		280	240	2.1	
20N-08E-17AAD 1	08-02-71	150.0		0.0			744		250	130		
20N-08E-17UAA 1	08-02-71	150.0		0.0			744		250	130	4.1	
20N-09E-05RCH 1	03-30-72	9.5		0.1			371		200	58	1.4	
21N-04E-28CCA 1	05-23-72	25.0		160.0			402		220	180	0.6	
21N-07E-19HHR 1	05-18-73	66.0		0.8			555		92			
21N-07E-21ADH 1												FLD. DATA
21N-07E-24CCD 1												FLD. DATA
21N-07E-24CDD 1												FLD. DATA
21N-08E-20DCA 1	08-13-71	90.0		4.2			382		210	150	1.0	
21N-08E-29AAD 1	08-19-71	360.0		20.0			998		390	350	2.2	
22N-03E-22CDD 1	05-23-72	340.0		0.2			1250		58	0	27.0	
22N-04E-24ADA 1	05-23-72	540.0		4.3			1490		34	0	43.0	
22N-07E-15DDD 1	08-01-73	220.0					745		14	0	34.0	
22N-07E-27ABR 1	08-01-73	32.0					488	120	390	75	0.7	
22N-07E-27AAB 2	10-01-73	32.0		11.0			488	120	390	75	0.7	
23N-03E-07BCC 1												
23N-03E-21ACC 1	08-01-73	150.0					664		340	11	2.8	5 31
23N-06E-34CDD 1	08-02-73	30.0					708		400	0	2.4	
24N-05E-16AAC 1	08-01-73	72.0					866		480	180	1.1	



PAYNE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HC03	SO4
17N-02E-01ADC 1	50	OT	07-22-71	503	7.20	17.0			46.0		192	29.0
17N-02E-16B 1	30	OA										
17N-05E-03ACB 1	697	DE	10-15-75	575			37.0	3.8	90.0	2.6	222	98.0
18N-02E-20DAA 1	49	CS										
18N-03E-20UAD 1	68	CS	03-16-72	1110	7.80	16.5			79.0		254	100.0
18N-04E-13AAD 1	25	OA	08-02-73	805	7.70		84.0	26.0	56.0		417	51.0
18N-04E-20RDD 1	38	OT	08-02-73	1070	7.80		120.0	45.0	50.0		478	120.0
18N-06E-16DDD 1	30	DE	08-02-73	864	7.80		89.0	33.0	35.0		259	50.0
18N-06E-17CCC 1	136	DE										
18N-06E-28BCC 1	183	DE										
18N-06E-31RCH 1	160	DE	04-01-75	1950		17.0	170.0	82.0	180.0	4.6	200	670.0
18N-01W-24CCH 1	70	OT	03-16-72	754	7.50	16.5			19.0		186	18.0
19N-02E-26 1	165		01-01-47	646			64.0	40.0	30.0		414	17.0
19N-04E-16B 1			06-18-50	2750		18.0	207.0	121.0	150.0		132	139.0
19N-05E-36DDA 1	30	OT	08-02-73	265	7.40		23.0	6.9	19.0		105	14.0
19N-06E-30CCC 1	40	OA	08-02-73	1290	7.60		120.0	26.0	110.0		286	50.0
20N-02E-27AAA 1	232	CS	11-25-47	858	7.50		428.0	241.0	1620.0	46.0	356	4070.0
20N-02E-35A 1	165	EU	11-14-52	6190	7.60		62.0	24.0	1460.0		301	2740.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	R	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
17N-02E-01ADC 1	07-22-71	28.0		38.0			310		160	0	1.6	
17N-02E-16H 1												FLD. DATA
17N-05E-03ACH 1	10-15-75	6.5				10	370			0	3.8	FLD. DATA
18N-02E-20DAA 1												FLD. DATA
18N-03E-20DAD 1	03-16-72	100.0		140.0				666	400	200	1.7	
18N-04E-13AAD 1	08-02-73	20.0					554		320	0	1.4	
18N-04E-20HDD 1	08-02-73	63.0					629		490	93	1.0	
18N-06E-16DDD 1	08-02-73	27.0	0.9	39.0			608		360	150		
18N-06E-17CCC 1												FLD. DATA
18N-06E-28RCC 1												FLD. DATA
18N-06E-318CH 1	04-01-75	110.0				120	1570		760	600		
18N-01W-24CCR 1	03-16-72	39.0		180.0			486		340	180	0.4	
19N-02E-26 1	01-01-47	18.0	0.5	7.0			386		324	0		
19N-04E-16B 1	06-18-50	355.0		728.0			2020		1010	906		
19N-05E-36DDA 1	08-02-73	15.0					166		86	0	0.9	
19N-06E-30CCC 1	08-02-73	270.0					770		410	170	2.4	
20N-02E-27AAA 1	11-25-47	760.0	0.9	38.0		400	7560		2060	1770		
20N-02E-35A 1	11-14-52	190.0		39.0			4610		253	6		

## PITTSBURGH COUNTY

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
03N-15E-07HCB 1	51	EL										
03N-16E-30ABD 1	15	FA										
04N-15E-03BAR 1	110	EI										
04N-16E-35CDC 1	54	EQ										
05N-13E-08HBA 1	75	EG										
05N-16E-02DRA 1	175	EK										
05N-17E-21CDC 1	120	EL										
06N-16E-30DAA 1	180	EH										
07N-13E-13DAA 1	41	EG										
07N-13E-27CCC 1	96	EG										
07N-13E-29DBH 1	44	EG										
07N-15E-09ACC 1	50	EH										
07N-17E-12DAH 1	95	EJ										
07N-17E-18DBH 1	48	EH	11-03-66	780	8.20	6.3			173.0		380	33.0
07N-18E-10CCC 1	48	EJ	08-07-66	992	8.40				143.0		460	29.0
08N-13E-25RAA 1	43	EG	09-12-66	521	7.50				45.0		78	19.0
08N-14E-15DDD 1	22	OT										
08N-14E-30AAA 1	68	EG										
08N-14E-34AAA 1	28	OT	09-12-66	756	7.80				43.0		388	8.0
08N-15E-17DAA 1	43	EH	11-03-66	1320	8.40	18.0			267.0		536	181.0
08N-15E-29AAD 1	43	EH										
08N-17E-12HBA 1	39	EH										
08N-17E-23AAA 1	96	EI	11-02-66	806	8.40	20.0			170.0		406	6.0
08N-17E-27CBB 1	29	EH										
08N-18E-20RDC 1	34	EH										
08N-18E-27AAC 1	22	EH	11-02-66	2090	7.60				127.0		158	1060.0
09N-17E-02CAA 1	160	EH	06-27-66	1340	8.50				339.0		742	57.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
03N-15E-07BCB 1												FLD. DATA
03N-16E-30ABD 1												FLD. DATA
04N-15E-03BAB 1												FLD. DATA
04N-16E-35CDC 1												FLD. DATA
05N-13E-08BBA 1												FLD. DATA
05N-16E-02DBA 1												FLD. DATA
05N-17E-21CDC 1												FLD. DATA
06N-16E-30DAA 1												FLD. DATA
07N-13E-13DAA 1												FLD. DATA
07N-13E-27CCC 1												FLD. DATA
07N-13E-29DBB 1												FLD. DATA
07N-15E-09ACC 1												FLD. DATA
07N-17E-12DAB 1												FLD. DATA
07N-17E-18DBB 1	11-03-66	47.0		0.1		6	478		36		12.0	FLD. DATA
07N-18E-10CCC 1	08-07-66	86.0		1.0					232		4.1	FLD. DATA
08N-13E-25BAA 1	09-12-66	93.0		33.0					144		1.6	
08N-14E-15DDD 1												FLD. DATA
08N-14E-30AAA 1												FLD. DATA
08N-14E-34AAA 1	09-12-66	50.0		11.0			436		312		1.1	
08N-15E-17DAA 1	11-03-66	44.0		2.3			826		128		10.0	
08N-15E-29AAD 1												FLD. DATA
08N-17E-12BBA 1												FLD. DATA
08N-17E-23AAA 1	11-02-66	58.0		0.2					60		9.6	
08N-17E-27CBB 1												FLD. DATA
08N-18E-20BDC 1												FLD. DATA
08N-18E-27AAC 1	11-02-66	52.0		0.0					1030		1.7	
09N-17E-02CAA 1	06-27-66	37.0		13.0			848		12		43.0	

## PONTOTOC COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE (OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
01N-04E-36B	1 230	LN	09-23-56	614	7.90	10.0	72.0	41.0	3.6	1.2	380	7.4
01N-05E-03CCB	1 160	LN	10-03-56	831	7.50	15.5	93.0	53.0	5.2	1.2	394	20.0
01N-05E-04BAA	1 300	LN	10-03-56	575	7.80	13.0	72.0	37.0	5.2	1.8	404	7.2
01N-05E-06BAA	1 300	LN	10-03-56	541	7.80	13.0	68.0	35.0	2.6	1.0	376	3.9
01N-05E-16B	1 770	LN	09-23-56	722	7.90	13.0	79.0	49.0	8.0	3.1	374	19.0
01N-05E-27DC	1 2500	MA	12-18-58	577	8.00		57.0	29.0	28.0		360	6.2
			12-18-58	648	7.50		56.0	32.0	43.0		420	4.9
			12-18-58	579	7.50		64.0	37.0	8.7		378	4.9
			12-18-58	561	7.50		69.0	32.0	4.6		372	2.1
			12-18-58	558	7.60		59.0	35.0	9.4		358	2.9
			12-18-58	622	8.20		35.0	25.0	57.0		308	0.8
			01-30-59	546	8.20	17.5	50.0	47.0	15.0	2.3	384	9.1
			01-30-59	430	8.30	17.5	30.0	39.0	14.0	2.4	284	7.8
			01-30-59	590	8.00		51.0	54.0	13.0	2.2	404	7.8
			02-06-59	511	8.20		42.0	47.0	7.0	1.4	344	4.5
			02-08-59	565	8.00	17.5	26.0	69.0	5.7	1.5	396	4.1
			02-11-59	580	8.00	17.5	29.0	67.0	5.6	1.3	394	3.7
01N-06E-04AAA	1	LN										
01N-06E-04CA	1 1707	LN	01-08-59	432	8.30		32.0	39.0	4.4	1.3	266	5.8
			01-08-59	621	8.00		77.0	46.0	4.2	1.4	408	4.9
			01-08-59	618	7.80		75.0	37.0	3.4	1.3	412	5.4
			01-08-59	453	8.20		38.0	38.0	3.4	1.3	292	5.4
			01-08-59	564	8.00		64.0	45.0	3.4	1.3	372	6.6
			01-08-59	424	8.20		34.0	39.0	3.2	1.1	274	11.0
			01-08-59	554	8.10		67.0	43.0	2.0	0.8	366	5.8
			01-14-59	467	8.20		40.0	34.0	4.4	1.3	298	5.8
			01-18-59	619	7.70	17.0	75.0	45.0	4.7	1.6	410	6.6
01N-06E-05RH	1 668	LN	10-03-56	652	7.50	10.0	86.0	40.0	3.9	1.5	448	10.0
02N-04E-13DC	1 500	LI, LN	09-23-56	553	7.90	16.0	72.0	32.0	15.0	1.6	380	16.0
02N-04E-23DD	1 1101	DA	10-26-51	826	7.40		68.0	31.0	66.0	4.8	327	35.0
			09-23-56	831	7.70	16.0	70.0	31.0	65.0	4.1	358	30.0
02N-05E-02	1	LA	01-19-59	430	8.20		37.0	37.0	6.3	1.6	280	5.8
			01-19-59	472	8.00		50.0	40.0	6.7	1.2	308	9.5
			01-19-59	610	7.90		78.0	43.0	6.7	1.4	404	7.8
			01-19-59	604	8.10		77.0	43.0	6.8	1.4	404	6.2
			01-20-59	497	8.20		52.0	37.0	7.0	1.4	320	5.8
02N-05E-25CCC	1 1527	LN										
02N-05E-35CAB	1 300	LN	10-03-56	464	7.90	13.0	42.0	37.0	4.1	1.2	324	6.2
02N-05E-36AAD	1 2048	LN	09-23-56	596	8.00	13.0	78.0	34.0	7.2	1.5	416	8.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
01N-04E-36B 1	09-23-56	11.0	0.0	33.0	20	0	356		350	38	0.1	
01N-05E-03CCB 1	10-03-56	30.0	0.1	97.0	0	0	499		450	127	0.1	
01N-05E-04BAA 1	10-03-56	3.7	0.0	1.2	0	0	308		330	0	0.1	
01N-05E-06BAA 1	10-03-56	5.2	0.0	5.9	0	0	292		315	7	0.1	
01N-05E-16B 1	09-23-56	25.0	0.2	64.0	10	0	444		400	94	0.2	
01N-05E-27DC 1	12-18-58	14.0							260	0		
	12-18-58	10.0		0.6			359		270	0	1.1	
	12-18-58	9.0		1.7			332		310	0	0.2	
	12-18-58	4.0		1.8			310		304	0	0.1	
	12-18-58	9.0		1.9			306		290	0	0.2	
	12-18-58	42.0		0.5			337		190	0	1.8	
	01-30-59	2.5		0.6					320	6	0.4	
	01-30-59	2.0		1.6			244		236	0	0.4	
	01-30-59	2.1		1.2			334		350	19	0.3	
	02-06-59	1.7		0.7			279		300	18	0.2	
	02-08-59	2.9		1.4			323		350	26	0.1	
	02-11-59	2.0	0.0	2.0	60		331		350	27	0.1	
01N-06E-04AAA 1												FLD. DATA
01N-06E-04CA 1	01-08-59	3.2		6.9			250		240	16	0.1	
	01-08-59	3.8		6.6			359		380	46	0.1	
	01-08-59	3.3		7.1			368		340	2	0.1	
	01-08-59	3.3		7.0			262		250	10	0.1	
	01-08-59	2.9		5.9	70		333		345	40	0.1	
	01-08-59	4.4		7.0			249		245	20	0.1	
	01-08-59	1.7		4.2			325		345	45		
	01-14-59	3.6		7.1			263		240	0	0.1	
	01-18-59	3.1		7.9	120		363		370	34	0.1	
01N-06E-05HR 1	10-03-56	5.9	0.0	13.0	0	10	368		380	13	0.1	
02N-04E-13DC 1	09-23-56	4.4	0.1	0.4	40	0	316		310	0	0.4	
02N-04E-23DD 1	10-26-51	91.0	0.3	0.1		0	464		297	29		
	09-23-56	90.0	0.6	0.4	330	10	470		300	6	1.6	
02N-05E-02 1	01-19-59	7.4		0.4			245		244	14	0.2	
	01-19-59	6.8		5.0			273		290	38		
	01-19-59	6.3		5.1			344		370	39	0.2	
	01-19-59	5.8		5.2	120		330		370	39	0.2	
	01-20-59	6.3		5.1			268		280	18	0.2	
02N-05E-25CCC 1												FLD. DATA
02N-05E-35CAP 1	10-03-56	4.4	0.0	0.8	0	0	246		258	0	0.1	
02N-05E-36AAD 1	09-23-56	3.6	0.0	5.8	0	0	332		335	0	0.2	D



PUNTOTUC COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HC03	SO4	
	(FT)		(MO-DA-YR)			(C.)							
02N-06E-11H	1	915	JA	09-23-56	421	7.80	15.5	38.0	30.0	17.0	2.2	300	0.0
02N-06E-14D	1	995	LI	09-23-56	577	8.00	15.5	16.0	11.0	108.0	3.3	394	8.2
02N-06E-34	1		LI	01-01-60		7.40		70.0	39.0	1.4	0.9	392	3.7
02N-06E-34ACA	1	520	LI	05-03-51	608	7.90		81.0	39.0	4.3	0.8	418	8.6
02N-06E-34CCC	1		LN	09-23-56	532	7.90	10.0	61.0	37.0	4.1	1.0	372	6.0
02N-07E-04A	1	185	ET	12-02-63	206	7.60	18.0			18.0		106	7.8
03N-06E-29DCC	1	1700	JA	09-23-56	515	8.00	15.5	30.0	17.0	69.0	2.8	364	1.0
03N-07E-33	2		ET	08-29-51	266	7.30		31.0	7.5	9.7	0.5	141	6.2
03N-07E-33D	1		ET	10-30-55	185	7.30		26.0	6.6	3.2	0.6	104	5.4
03N-07E-33DD	1	182	ET	04-04-48	169			24.0	5.3	3.3		95	3.0
04N-04E-08CBC	1			06-07-66	13600	8.50				3100.0		494	1020.0
04N-07E-08BCC	1	60	DV										
05N-05E-06	1	14	OA	02-22-64	8460	7.00				939.0		20	63.0
				02-26-64	708	8.00		18.0	22.0	126.0		372	45.0
				02-22-64	8460	6.80				939.0		20	63.0
05N-05E-06	2		OA	02-26-64	708	8.00		18.0	22.0	126.0		372	45.0
05N-06E-04C	1	50	OA	09-30-56	405	7.90	13.0	60.0	8.4	18.0	1.3	250	14.0
05N-07E-09D	1	50	OA	10-25-63	511	7.90	16.5			5.3		314	21.0
05N-08E-25	1		DX	08-09-60	2450	8.60		3.2	2.4	582.0		748	27.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
02N-06E-11B	1	09-23-56	3.9	0.1	0.2	14	-10	222	218	0	0.5	
02N-06E-14D	1	09-23-56	4.6	0.8	0.2	340	10	340	84	0	5.1	
02N-06E-34	1	01-01-60	3.1		7.8			597	335	14	0.0	
02N-06E-34ACA	1	05-03-51	5.5	0.0	4.0		0	357	362	20		
02N-06E-34CCC	1	09-23-56	5.8	0.0	3.8	30	0	288	305	0	0.1	
02N-07E-04A	1	12-02-63	7.0		0.1	370		129	66	0	1.0	
03N-06E-29DCC	1	09-23-56	2.7	0.4	1.6	480	0	294	145	0	2.5	
03N-07E-33	2	08-29-51	7.0	0.3	0.2		150	142	108	0		
03N-07E-33D	1	10-30-55	6.5	0.2	0.1	0	70	108	92	7	0.1	
03N-07E-33DD	1	04-04-48	10.0	0.1	0.0			96	82	34		
04N-04E-08CBC	1	06-07-66	3850.0						224		90.0	
04N-07E-08BCC	1											F.L.D. DATA
05N-05E-06	1	02-22-64	2920.0			40		5570	2160	2140	8.8	
		02-26-64	40.0		0.2	20000		420	134	0	4.7	
		02-22-64	2920.0			40		5570	2160	2140	8.8	
05N-05E-06	2	02-26-64	40.0		0.2	2000		436	134	0	4.7	
05N-06E-04C	1	09-30-56	7.8	0.1	0.6	10	0	244	184	0	0.6	
05N-07E-09D	1	10-25-63	5.8		0.2	320		319	276	19	1.4	
05N-08E-25	1	08-09-60	418.0	2.0	0.2			1460	18	0	60.0	

POTTAWATOMIE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
05N-05E-09C 1	50	DA	08-24-64	3340	7.90				285.0		546	27.0
07N-05E-06DAA 1	210	DA	06-19-70	5600	8.40	18.0			1290.0		674	1000.0
08N-05E-33AAB 1	668	DE	11-15-74	2090			2.0	0.8	520.0		895	190.0
09N-02E-32DDD 1	100	CS	08-26-70	175	7.40	18.0			9.9		44	13.0
09N-04E-13DDD 1	100	DA	02-03-70	838	8.20	16.0			92.0		510	24.0
09N-04E-23CCD 1		DA	01-30-70	613	8.10	11.5			22.0		296	20.0
09N-05E-04DCC 1	248	DE	06-01-75	5720		18.0					202	2100.0
09N-05E-29AAA 1	47	DE										
10N-03E-32AAB 1	40	CS	03-18-71	715	7.30	16.0			57.0		180	42.0
10N-05E-08A 1	95	DA	07-18-66	629	8.20	13.0			146.0		304	46.0
11N-03E-25DAC 1		EU	01-01-48	8920			394.0	80.0	2120.0		169	5410.0
11N-04E-07ADD 1	75	EU	03-17-71	798	7.80	14.0			59.0		390	7.8
11N-06E-06CCC 1	220	DA	03-17-71	872	8.50	14.5			80.0		450	28.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
05N-05E-09C	1 08-24-64	840.0		0.2	140		2230		1040	592	3.8	
07N-05E-06DAA	1 06-19-70	886.0		2.8			3710		68	0		
08N-05E-33AAB	1 11-15-74	100.0				50			8	0	79.0	
09N-02E-32DDD	1 08-26-70	15.0		11.0			125		58	22		
09N-04E-13DDD	1 02-03-70	6.0		1.8			501		254	0		
09N-04E-23CCD	1 01-30-70	44.0		3.9			405		280			
09N-05E-04DCC	1 06-01-75	71.0	1.0									
09N-05E-29AAA	1											FLU. DATA
10N-03E-32AAB	1 03-18-71	72.0		51.0			394		210	62		
10N-05E-08A	1 07-18-66	21.0			770		391		9	0	21.0	
11N-03E-25DAC	1 01-01-48	100.0		0.0			8310		1310	1170		
11N-04E-07ADD	1 03-17-71	48.0		26.0			448		290	0		
11N-06E-06CCC	1 03-17-71	34.0		7.2			502		300	0		

## PUSHMATAHA COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HC03	SO4
01N-19E-278AD 1	30	EM										
02N-18E-11A8D 1	44	OA	06-08-70	623	7.50	18.0			93.0		158	79.0
01S-15E-280RB 1	22	FA	03-03-71	409	7.10				40.0		46	36.0
01S-17E-17CCA 1	130	FA	07-23-70	2680	8.20	18.5			596.0		488	74.0
01S-18E-25ADA 1	200	FA	12-10-70	548	7.70	17.5			85.0		238	57.0
02S-15E-29DDD 1	110	FA	03-03-71	180	6.90				23.0		24	20.0
02S-21E-14ADB 1	68	FA	12-10-70	397	7.80	19.5			30.0		236	11.0
03S-15E-31CBC 1	34		03-24-48	107			4.0	3.3	9.4		10	1.6
03S-16E-02AAA 1	170	ET	02-25-71	2280	8.00	19.0	78.0		350.0		346	15.0
03S-16E-11DCD 1	74	FA	06-02-70	1100	7.70	17.0			207.0		464	27.0
03S-18E-35DCC 1	104	FA	05-07-70	275	7.20	19.0			14.0		138	9.0
03S-20E-02BRC 1	17	OC	12-10-70	276	7.50				16.0		150	16.0
04S-16E-02AAA 1	175	FA										
04S-18E-30BB 1	14	BK	03-28-48	1570			47.0	34.0	191.0		30	27.0
04S-19E-01DAC 1	83	ET										
04S-20E-31DDA 1	30	BK	05-07-70	314	4.80	19.0			34.0		2	5.2

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
01N-19E-27BAD 1												FLD. DATA
02N-18E-11ABD 1	06-08-70	60.0		10.0			382		102	0		
01S-15E-28DBB 1	03-03-71	44.0		51.0			256		92	54		
01S-17E-17CCA 1	07-23-70	615.0		0.4			1520		48	0		
01S-18E-25ADA 1	12-10-70	24.0		0.3			332		100	0		
02S-15E-29DDD 1	03-03-71	20.0		12.0			115		28	8		
02S-21E-14ADB 1	12-10-70	9.0		0.2			238		150	0		
03S-15E-31CBC 1	03-24-48	15.0	0.0	16.0			108		24	15		
03S-16E-02AAA 1	02-25-71	540.0		3.3			1230		300	16		
03S-16E-11DCD 1	06-02-70	122.0		0.6			655		130	0		
03S-18E-35DCC 1	05-07-70	14.0		0.2			168		114	1		
03S-20E-02HBC 1	12-10-70	5.0		0.2			168		110	0		FLD. DATA
04S-16E-02AAA 1												FLD. DATA
04S-18E-30BB 1	03-28-48	400.0	0.0	70.0			872		257	232		FLD. DATA
04S-19E-01DAC 1												FLD. DATA
04S-20E-31DDA 1	05-07-70	50.0		72.0			204		68	66		



## ROGERS COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
19N-16E-048BA 1	20	OA	12-03-59	180	7.40		17.0	4.3	17.0		64	26.0
19N-16E-14ADD 1	41	EH										
19N-17E-15BCC 1	59	EK										
19N-17E-32ABH 1	86	EK										
19N-17E-35DDD 1	94	EH										
20N-14E-12DAA 1	37	OA										
20N-15E-07CRB 1	39	EB										
20N-15E-16HCD 1	28	OA										
20N-15E-17AAA 1	35	OA	12-03-59	548	8.00		86.0	15.0	9.9		322	1.2
20N-16E-01DCD 1	65	EH										
20N-16E-07CA 1		EE	08-08-62	240	7.70				16.0		138	9.4
20N-16E-07CA 2		EE	08-08-62	180	7.50				9.7		106	2.3
20N-16E-23BHC 1	27	EH										
20N-16E-30BCA 1	33	EE										
20N-16E-31BCA 1	53	EE										
20N-16E-33CDC 1	31	OA	08-13-59	626	7.90		40.0	16.0	84.0		376	19.0
20N-17E-11ADB 1	80											
21N-14E-22CC 1	41	DZ	07-13-48	2810		19.0	110.0	86.0	306.0		140	282.0
21N-16E-08DAA 1		EE	09-23-54	63300	6.80		1660.0	556.0	1380.0	20.4	329	70.0
21N-16E-24DDD 1	84	EH										
21N-17E-22ADA 1	70	EH										
22N-14E-12DCH 1	42	DT										
22N-15E-01ABH 1	80	EC										
22N-15E-01ACA 1	90	EC										
22N-15E-10DDD 1	80	EC										
22N-15E-35DUC 1	200	EE										
22N-16E-028BH 1	47	EE										
22N-17E-02CRB 1	68	EH										
22N-17E-06CDD 1	55	EE										
22N-17E-33BHB 1	66	EH										
23N-14E-13RHB 1	37	DT										
23N-14E-25CRB 1	40	DT										
23N-15E-09ADA 1	53	DZ										
23N-15E-13CAB 1	80	EC										
23N-15E-23DAB 1	60	EB										
23N-15E-23DBB 1	70	EB										
23N-17E-02DAA 1	54	EE										
23N-17E-08BCB 1	51	EE										
23N-17E-23HAA 1	55	EE										

[illegible]

RIIGERS COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
24N-15E-11CCC 1	64	DZ										
24N-15E-20CBB 1	83	DY										
24N-16E-12ADD 1	40	EE										
24N-16E-35ACC 1	85	EE										
24N-16E-35ADB 1	100	EE										
24N-16E-35DBC 1	110	EE										
24N-17E-26AAD 1	57	EE										
24N-17E-34CBB 1	59	EE										
24N-18E-21BBA 1	79	EE										
24N-18E-35ABB 1	47	EH										

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	HARDNESS (CALC) CA+MG NON-CARB		SAR	REMARKS	
24N-15E-11CCC	1											FLD. DATA
24N-15E-20CHB	1											FLD. DATA
24N-16E-12ADD	1											FLD. DATA
24N-16E-35ACC	1											FLD. DATA
24N-16E-35ADB	1											FLD. DATA
24N-16E-35DBC	1											FLD. DATA
24N-17E-26AAD	1											FLD. DATA
24N-17E-34CBB	1											FLD. DATA
24N-18E-21BRA	1											FLD. DATA
24N-18E-35ABB	1											FLD. DATA

## SEMINOLE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
05N-05E-10888 1	700	DE										
05N-05E-12A88 1	202	DE										
05N-05E-25DAD 1	236	DE	11-12-74	1280	7.40	14.0	76.0	22.0	180.0		426	180.0
05N-06E-0480C 1	150	DE										
06N-05E-11HAB 1	160	DE										
06N-05E-11CDD 1	70	DE										
06N-05E-26C88 1		DE										
06N-05E-27DAA 1		DE										
06N-06E-07DAD 1	196	DE										
06N-06E-12ACC 1	214	DE										
06N-06E-16DDD 1		DE	11-13-74	670	9.00	19.0	4.8	4.2	150.0		336	27.0
06N-06E-25CCC 1	81	DE										
06N-07E-01C88 1	50	DR	05-20-70	1260	8.10	16.0			79.0		380	405.0
07N-05E-02CC8 1	100	DE										
07N-05E-12DDC 1		DE										
07N-05E-13ACC 1	65	DE										
07N-05E-22DDD 1		DE										
07N-05E-26H88 1	180	DE										
07N-06E-05CDD 1	82	DE										
07N-06E-138CA 1	214	DE										
07N-06E-16AAA 1	84	DA	05-06-70	1890	7.90	16.0			98.0		568	190.0
07N-06E-23HCB 1	321	DE	11-15-74	1400	8.30	15.0	8.1	3.6	280.0		281	110.0
07N-06E-31ADD 1		DE										
07N-06E-338DD 1	126	DE	11-14-74	1110	7.80	17.0	99.0	59.0	67.0		502	52.0
07N-06E-34DCD 1	217	DE										
07N-07E-05ABB 1	180	DE	12-04-74	676		12.0	65.0	44.0	14.0		386	44.0
08N-05E-10DDD 1	143	DE										
08N-05E-248DA 1	92	DE										
08N-05E-36DAA 1	131	DE										
08N-06E-03DDC 1	550	DE										
08N-06E-07DDC 1	215	DE	12-04-74	676		12.0	65.0	44.0	14.0		386	44.0
08N-06E-08DDD 1		DE										
08N-06E-1088C 1	178	DE	03-10-64	2080	7.90				390.0		452	215.0
08N-06E-14DCC 1	500	DE	11-22-74	6750	7.50	18.0	280.0	150.0	950.0		324	21.0
08N-06E-14DDD 1	500	DE	11-22-74				2.9	1.7			349	29.0
08N-06E-21DAA 1	550	DE	11-22-74	770	8.80	19.0	1.7	0.0	190.0		454	18.0
08N-06E-25CCD 1	165	DE	11-20-74	445	7.60		45.0	25.0	5.7		251	11.0
08N-06E-26CDC 1	125	DE										
08N-06E-36ACC 1	8	DE										

[illegible]



## SEMINOLE COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MU-DA-YR)			(C.)						
08N-07E-07ADD 1	600	DE	11-22-74	430	7.80	19.0	48.0	21.0	8.3		232	14.0
08N-07E-29ABA 1	50	DE										
08N-07E-31BAB 1	50	DE	04-26-71	352	7.60	16.0			20.0		186	21.0
08N-07E-36CCC 1	55	DP	05-21-70	103	7.30	18.0			11.0		22	15.0
09N-05E-11AAA 1	180	DE										
09N-05E-15DDD 1	112	DE	12-18-74	2750								
09N-05E-34AAD 1	110	DE										
09N-06E-20A 1	753	DE	09-04-64	1360		19.0	186.0	33.0	79.0		132	601.0
09N-06E-20AA 1	753	DE	12-10-47	1360		18.0	186.0	33.0	79.0		132	601.0
09N-06E-20ABD 1	816	DE	01-22-75	483	7.30	16.5	25.0	5.7	83.0	2.6	208	48.0
09N-06E-22 1	650	DB	06-08-61	374	8.40		38.0	6.1	36.0		182	36.0
09N-06E-23AB 1	200	UA	04-27-67	2500	8.10	19.0			177.0			
09N-06E-26B 1	804	DE										
09N-06E-26CA 1	450	DE	09-25-47	2260			146.0	12.0	356.0		135	796.0
09N-06E-27ACB 1	734	DE										
09N-07E-03CDB 1	150	DE	12-17-74	117	6.60		11.0	4.6	5.4		51	6.2
09N-07E-09BBA 1	120	DE	05-22-70	275	8.20	17.0			8.0		142	11.0
09N-07E-20DDR 1	165	DE										
09N-07E-22BCD 1		DE										
09N-07E-32UCD 1	250	DE										
09N-08E-15BBA 1	55	DR	05-21-70	460	8.10	16.5			35.0		166	33.0
10N-05E-01CBB 1	189	DE	01-15-75	1380	7.70	16.0					370	85.0
10N-06E-01CCD 1	85	DE										
10N-06E-13CCD 1	150	DE										
10N-06E-17ADD 1	25	DA	01-29-70	269	7.90	15.0			11.0		154	4.8
10N-06E-34AAD 1		DE										
10N-07E-11BAA 1	78	DE										
10N-07E-15CDC 1		DE										
10N-07E-18HCC 1	42	DB	05-04-70	166	6.60	16.0			11.0		20	24.0
11N-05E-35DCC 1	175	DE										
11N-05E-36DDD 1	280	DE										
11N-06E-33CCD 1	100	DE										
11N-06E-34BCC 1	198	DB	08-11-70	751	8.10	22.0			134.0		248	163.0
11N-06E-35BHC 1	116	DE										
11N-07E-13CRH 1	112	DE										
11N-07E-32BAA 1	179	DE										
11N-07E-35AAC 1	152	DE	05-21-70	626	8.20	17.0			45.0		324	57.0
11N-08E-09AAA 1	32	DT	01-29-70	93	7.40	15.5			6.9		34	3.8
11N-08E-22HHB 1	82	DE										

[illegible]

SEQUOYAH COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
10N-23E-03BBB 1	32	OA	07-02-58	617	7.90				22.0		320	
10N-23E-04BCC 1	32	OA	07-01-58	707	8.00				20.0		426	
10N-23E-04DAC 1	31	OA	07-01-58	1000	7.70				47.0		600	
10N-23E-08ABC 1	32	OA	06-30-58	609	8.10				36.0		292	
10N-23E-09BAA 1	32	OA										
10N-23E-09BCC 1	32	OA	06-30-58	932	8.00				37.0		488	
10N-23E-13ADA 1	48	OA	06-12-58	459	8.00				20.0		244	
10N-24E-07CBC 1	40	OA	06-12-58	335	8.20				20.0		196	
10N-24E-08CCB 1	32	OA	06-13-58	366	8.20	18.0			11.0		178	
10N-24E-18RC 1	48	OA										
10N-24E-18DAB 1	30	OA	06-04-58	379	8.10				26.0		128	
10N-25E-07AAA 1	39	EJ	11-16-66	1410	8.20	18.0			58.0		548	355.0
10N-26E-09C 1	43		11-04-65	801	7.40	21.0			7.6		534	0.2
10N-26E-10CBC 1	42	OA	05-22-58	558	8.30				33.0		340	
10N-26E-12CCC 1	32	OA	05-21-58	352	8.30	18.0			8.4		192	
10N-26E-15AAA 1	21	OA	01-10-58	763	8.40	17.0	85.0	46.0	24.0		476	0.0
10N-26E-15AAA 2	39	OA	08-19-59	892	8.30		96.0	56.0	14.0		540	12.0
10N-26E-15DAA 1	21	OA	01-13-58	445	8.40	18.0	53.0	24.0	13.0		252	6.6
10N-26E-16CAA 1	45	OA	05-23-58	921	7.90		148.0	37.0	10.0		592	
10N-26E-22ADD 1	34	OA	01-13-58	312	8.50	18.0	27.0	22.0	3.7		86	45.0
10N-26E-23AAA 1	42	OA	05-22-58	435	8.20				11.0		188	
10N-26E-23BBB 1	36	OA	01-13-58	208	8.50	16.5	35.0	5.0	0.9		108	3.3
			08-14-59	214	7.80		19.0	12.0	8.3		102	21.0
10N-26E-23CCC 1	42	OA	08-19-59	761	8.10		128.0	27.0	11.0		458	63.0
10N-26E-26AAA 1	42	OA	05-21-58	647	8.00	18.0			7.9		332	
10N-27E-06BBB 1	42	OA	05-26-58	492	8.20				10.0		240	
10N-27E-06CCC 1	32	OA	05-19-58	437	8.30				11.0		172	
11N-21E-01ADD 1	34	OA	06-23-58	581	8.20	18.5			21.0		394	
11N-22E-04DDD 1	40	OA	06-19-58	325	8.20				16.0		184	
11N-22E-05DAD 1	42	OA	06-27-58	448	8.10	18.5			7.5		256	
11N-22E-08BAB 1	33	OA	06-27-58	310	8.10				8.5		178	
11N-22E-08CCC 1	30	OA	06-20-58	665	8.00	18.0			13.0		448	
11N-22E-09CHB 1	32	OA	06-19-58	502	8.20				5.3		332	
11N-22E-10CCC 1	30	OA	06-18-58	339	8.10	18.5			8.3		180	
11N-22E-10DAD 1	30	OA	06-18-58	522	8.00				11.0		296	
			05-06-60	2620	7.50	15.0	158.0	66.0	300.0		358	135.0
11N-22E-14AAA 1	31	OA	06-17-58	556	8.10				11.0		328	
11N-22E-15DAA 1	29	OA	06-23-58	595	8.00	18.5			19.0		376	
11N-22E-16BBB 1	15	OA	08-18-59	645	8.20		56.0	29.0	48.0		392	7.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NU3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
10N-23E-03888	1 07-02-58	28.0		1.1			251		310	48	0.5	
10N-23E-048CC	1 07-01-58	45.0		0.0	80				400	51	0.4	
10N-23E-04DAC	1 07-01-58	62.0		1.6			419		518	26	0.9	
10N-23E-08ABC	1 06-30-58	36.0					303		280	40	0.9	
10N-23E-098AA	1											FLD. DATA
10N-23E-098CC	1 06-30-58	46.0			27				430	30	0.8	
10N-23E-13ADA	1 06-12-58	18.0							212	12	0.6	
10N-24E-07CBC	1 06-12-58	7.4		0.0					134	0	0.8	
10N-24E-08CCB	1 06-13-58	14.0		0.0					184	38	0.4	
10N-24E-188C	1											FLD. DATA
10N-24E-18DAB	1 06-04-58	48.0							144	39	0.9	
10N-25E-07AAA	1 11-16-66	25.0		2.1			982		730			
10N-26E-09C	1 11-04-65	10.0		0.1	9	0	472		435	0	0.2	
10N-26E-10CBC	1 05-22-58	10.0			120				248	0	0.9	
10N-26E-12CCC	1 05-21-58	3.0			90				172	8	0.3	
10N-26E-15AAA	1 01-10-58	8.0		22.0					400	0	0.5	
10N-26E-15AAA	2 08-19-59	11.0		19.0					470	14	0.3	
10N-26E-15DAA	1 01-13-58	13.0		1.9					232	0	0.4	
10N-26E-16CAA	1 05-23-58	10.0			150				520	35	0.2	
10N-26E-22ADD	1 01-13-58	13.0		1.7					156	59	0.1	
10N-26E-23AAA	1 05-22-58	23.0			90				208	54	0.3	
10N-26E-2388B	1 01-13-58	3.0		0.6					108	6	0.0	
	08-14-59	5.0		1.8					96	12	0.4	
10N-26E-23CCC	1 08-19-59	8.0		1.2					430	54	0.2	
10N-26E-26AAA	1 05-21-58	7.0			120				320	48	0.2	
10N-27E-0688B	1 05-26-58	8.8							240	44	0.3	
10N-27E-06CCC	1 05-19-58	17.0			150				204	60	0.3	
11N-21E-01ADD	1 06-23-58	7.9							316	0	0.5	
11N-22E-04DDD	1 06-19-58	8.3					206		174	23	0.5	
11N-22E-05DAD	1 06-27-58	3.3					361		236	26	0.2	
11N-22E-08BAB	1 06-27-58	8.6							160	14	0.3	
11N-22E-08CCC	1 06-20-58	11.0							370	3	0.3	
11N-22E-09CBB	1 06-19-58	7.2							292	20	0.1	
11N-22E-10CCC	1 06-18-58	15.0							172	24	0.3	
11N-22E-10DAD	1 06-18-58	8.0							280	38	0.3	
	05-06-60	400.0		395.0			1760		665	372	5.1	
11N-22E-14AAA	1 06-17-58	28.0		0.0					324	55	0.3	
11N-22E-15DAA	1 06-23-58	14.0							312	4	0.5	
11N-22E-1688B	1 08-18-59	24.0		2.4					260	0	1.3	

SEQUOYAH COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
11N-22E-17ADD 1	42	OA	06-19-58	306	8.20				8.0		188	
11N-22E-22B 1	35	OA	08-28-63	10200	7.50	18.5			1010.0		300	1550.0
11N-22E-22C 1	40	OA	08-29-63	19900	7.40	18.5			2640.0		309	1190.0
11N-22E-24BBB 1	35	OA	06-17-58	441	8.20				26.0		236	
11N-22E-24CCB 1	32	OA	06-18-58	613	8.10				15.0		368	
11N-23E-088BA 1	24	EK	11-16-66	290	8.10	18.5			45.0		184	5.0
11N-23E-19ADD 1			06-17-58	511	8.20				51.0		210	
11N-23E-19BCC 1	32	OA										
11N-23E-25DAC 1	70	EK										
11N-23E-29DAD 1	48	EK										
11N-23E-32BAD 1	32	OA	06-13-58	838	7.90				17.0		112	
11N-23E-32DCD 1	32	OA	06-13-58	786	7.90	18.0			20.0		396	
11N-23E-33CBB 1	30	OA	06-13-58	896	7.70	25.5			38.0		538	
11N-24E-21ABB 1	36	EK	11-16-66	318	8.30	18.0			44.0		140	7.0
11N-25E-11DOB 1	38	EM										
11N-25E-35RCC 1	48	EJ										
11N-26E-16BBB 1	30	EM										
11N-27E-15BBA 1	22	OA	05-13-58	542	8.70		93.0	6.8	15.0		246	
11N-27E-20AAA 1	32	OA	05-14-58	298	8.50	18.5	38.0	12.0	11.0		132	
11N-27E-20BBC 1	34	OA	05-19-58	392	8.50				23.0		222	
11N-27E-20DDD 1	32	OA	08-19-59	968	8.00		168.0	21.0	16.0		552	39.0
11N-27E-27BBB 1	32	OA	08-19-59	686	8.40		109.0	9.2	36.0		364	44.0
11N-27E-28ABB 1	46	OA	05-15-58		8.40	19.5	41.0	11.0	9.3		160	
11N-27E-30AAA 1	29	OA	08-19-59	658	8.40		72.0	32.0	29.0		354	39.0
			05-15-58	353	8.60				15.0		176	
11N-27E-30DAC 5	40	OA										
11N-27E-30DCA 1	31	OA										
11N-27E-30DCA 2	41	OA	07-31-59	330	8.30	18.0	38.0	15.0	8.7		162	27.0
11N-27E-32AAA 1	42	OA	05-26-58	455	8.30	18.0			18.0		236	
12N-21E-10RCB 1	29	EM										
12N-21E-16BCC 1	24	OA	03-11-60	484	8.00		41.0	13.0	9.7		120	32.0
12N-21E-16HCD 1	29	OA	08-14-59	338	8.00		31.0	17.0	19.0		196	4.1
12N-21E-17ABD 1	33	OA	09-10-59	744	8.20		30.0	11.0	129.0		264	78.0
12N-21E-17ADD 1	26	OA	12-02-59	306	7.80		21.0	11.0	26.0		136	17.0
12N-21E-18AAA 1	36	OA	08-14-59	394	7.90		38.0	12.0	31.0		164	44.0
			10-03-58	359	8.10		35.0	12.0	28.0	1.6	152	31.0
12N-21E-28AAA 1	84	EM	11-16-66	735	8.50	17.0			159.0		412	52.0
12N-22E-06DDD 1		EM	12-06-66	3710	8.00	19.0			17.0		90	2280.0
12N-22E-12CAA 1	24	EM										

[illegible]



SEQUOYAH COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
12N-22E-330DB 1	75	EM										
12N-23E-14C8C 1	29	EM										
12N-24E-02CDC 1	47	EM	09-28-66	1100	7.90				53.0		110	365.0
12N-24E-16CDD 1	99	EK	10-25-66	1600	7.70	17.0			178.0		212	545.0
12N-24E-23CCC 1	55	EM										
12N-25E-1488B 1	71	EM										
12N-25E-17CCB 1	44	EM										
12N-25E-26CCD 1	71	EM										
12N-25E-35ABC 1	92	EM	11-16-66	444	8.30	17.0			56.0		264	15.0
12N-26E-08BAA 1	75	EM										
12N-26E-30AAA 1	100	EM										
13N-21E-09ABC 1	49	EM										
13N-22E-26DBA 1	60	EM	11-17-66	759	8.20	17.0			76.0		170	29.0
13N-22E-30DCA 1	23	EM										
13N-23E-128BC 1			12-02-66	380	8.10	13.0			3.7		212	26.0
13N-23E-34CBA 1	77	EM	11-17-66	2030	7.70	18.0			168.0		90	1040.0
13N-24E-260DB 1	51	EM										
13N-25E-13DBC 1			01-21-67	12400	7.50	14.5			2650.0		288	85.0
13N-25E-15CDC 1	38	EM										
13N-25E-18DAB 1	71	EM										
13N-26E-08CBA 1	98	EM	09-28-66	254	8.00				16.0		144	10.0
13N-26E-28ABC 1	29	EM										
13N-27E-31HBC 1	38	EM										



## TULSA COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO3	SO4
	(FT)		(MO-DA-YR)			(C.)						
16N-12E-02BBA 1	40	DV	11-08-48	8740		17.5	508.0	362.0	1970.0		956	4850.0
16N-13E-14CBA 1	27	DX										
16N-14E-07D 1	33	DX										
17N-12E-13BBA 1	38	DT										
17N-12E-14CB 1	59	DT	06-24-48	1650		19.5	25.0	16.0	363.0		742	35.0
17N-13E-25CC 1	18	DA	06-24-48	616		19.5	75.0	18.0	13.0		247	32.0
17N-13E-26CBH 1	50	DX	12-08-66	2620	8.00	18.5			312.0		234	39.0
17N-13E-29BBC 1	39	DV	11-15-66	3860	7.80	17.0			443.0		228	2160.0
17N-14E-02 1		DA	09-05-51	146	6.50		11.0	3.2	13.0	1.0	42	4.9
17N-14E-13ABH 1	49	DT										
17N-14E-26BBB 1	25	DA										
17N-14E-28BBA 1	60	EE	12-08-66	669	8.20	18.5			76.0		316	10.0
18N-12E-15DD 1		DT										
18N-13E-19HA 1	18	DA	07-14-48	867		19.0	94.0	18.0	26.0		318	5.4
18N-13E-28AA 1	60	DT	06-25-48	128		20.5	9.4	2.5	13.0		44	8.2
18N-13E-36DDD 1	52	DT										
18N-14E-21CB 1	23	DY										
19N-10E-08CCA 1	128	DJ	11-17-72	238	7.30	13.5	28.0	5.4	10.0		64	36.0
19N-10E-14A 1	96	DP	06-27-48	872			32.0	9.8	147.0		341	84.0
19N-11E-11DB 1	29	DT	07-07-48	422		20.0	52.0	10.0	21.0		157	33.0
19N-12E-03CD 1	20	DA	07-14-48	2340			178.0	46.0	215.0		261	130.0
19N-12E-10A 1		DA										
19N-12E-12 1	244	DT	07-14-48	1050		19.5	29.0	7.2	205.0		403	2.2
19N-12E-24DD 1	28	DA										
19N-12E-25AA 1	34	DA	07-13-48	885		16.0	126.0	32.0	19.0		265	220.0
19N-13E-07D 1	130	DT	07-14-48	576			74.0	12.0	57.0		270	67.0
19N-13E-15AD 1	13	DG										
19N-14E-33AD 1	65	DZ	06-25-48	1490		22.0	17.0	7.4	295.0		405	24.0
20N-13E-12AA 1	28	DY	07-10-48	1500		23.5	146.0	24.0	115.0		207	23.0
20N-13E-27BD 1	63	DT	07-10-48	694		17.0	43.0	20.0	80.0		194	90.0
20N-13E-32BCC 1	154	DT										
20N-14E-28AB 1	16	DZ										
21N-13E-16DA 1	83	DT	07-13-48	3330		20.5	31.0	59.0	641.0		470	271.0
21N-14E-30 1		DY	02-04-66	677			74.0	36.0	24.0		412	21.0
22N-12E-02AA 1	28	DA	07-14-48	1570		16.0	86.0	32.0	185.0		444	5.2
22N-12E-36CCB 1	19	DA										
22N-13E-13DA 1	61	DT	07-14-48	2620		18.0	36.0	16.0	525.0		422	4.6
22N-14E-08CBH 1	14	DT										
22N-14E-09CC 1	30	DT	07-13-48	2580		20.0	126.0	85.0	382.0		452	345.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS	HARDNESS		SAR	REMARKS	
							(RES. AT 180 DEG)	(CALC)	CA+MG			NON- CARB
16N-12E-0288A 1	11-08-48	850.0	0.4	2.0			9580		2760	1970		
16N-13E-14CBA 1												FLD.DATA
16N-14E-07D 1												FLD.DATA
17N-12E-1388A 1												FLD.DATA
17N-12E-14CB 1	06-24-48	192.0	0.4	0.2			974		128	0		
17N-13E-25CC 1	06-24-48	9.0	0.1	25.0			366		261	89		
17N-13E-26CBH 1	12-08-66	705.0		1.2			1500		550			
17N-13E-298BC 1	11-15-66	76.0		1.2					1580			
17N-14E-02 1	09-05-51	8.5	0.0	20.0		20	119		41	6		
17N-14E-13ABH 1												FLD.DATA
17N-14E-268BH 1												FLD.DATA
17N-14E-288BA 1	12-08-66	60.0		0.4			390		188			
18N-12E-15DD 1												FLD.DATA
18N-13E-19BA 1	07-14-48	70.0	0.0	0.2			326		308	48		
18N-13E-28AA 1	06-25-48	3.0	0.0	15.0			105		34	0		
18N-13E-36DDD 1												FLD.DATA
18N-14E-21CB 1												FLD.DATA
19N-10E-08CCA 1	11-17-72	18.0		0.8			149		92	40	0.4	
19N-10E-14A 1	06-27-48	36.0	1.4	22.0			586		120	0		
19N-11E-11DB 1	07-07-48	24.0	0.0	25.0			270		171	42		
19N-12E-03CD 1	07-14-48	530.0	0.0	3.0			1340		633	419		
19N-12E-10A 1												FLD.DATA
19N-12E-12 1	07-14-48	115.0	0.2	3.0			600		102	0		
19N-12E-24DD 1												FLD.DATA
19N-12E-25AA 1	07-13-48	24.0	0.2	7.5			642		446	229		
19N-13E-07D 1	07-14-48	11.0	0.2	0.2			308		234	0		
19N-13E-15AD 1												FLD.DATA
19N-14E-33AD 1	06-25-48	222.0	3.0	25.0			823		73	0		
20N-13E-12AA 1	07-10-48	312.0	0.0	100.0			980		463	294		
20N-13E-27BD 1	07-10-48	46.0	0.0	7.5			458		190	0		
20N-13E-32BCC 1												FLD.DATA
20N-14E-28AB 1												FLD.DATA
21N-13E-16DA 1	07-13-48	685.0	0.2	5.5			1960		322	0		
21N-14E-30 1	02-04-66	18.0		0.0			382		332	0		
22N-12E-02AA 1	07-14-48	265.0	0.4	5.0			741		346	0		
22N-12E-36CCB 1												FLD.DATA
22N-13E-13DA 1	07-14-48	642.0	0.4	0.2			1440		156	0		
22N-14E-08CBH 1												FLD.DATA
22N-14E-09CC 1	07-13-48	200.0	0.0	600.0			1910		664	294		

## WAGONER COUNTY

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HC03	SO4
	(FT)		(MU-DA-YR)			(C.)						
15N-16E-0488B 1		OA										
15N-16E-048CC 1		OA	01-01-36	7.50								
15N-17E-05CBC 1	30	OA	05-01-59	300 8.70	16.0		27.0	18.0	4.6		132	20.0
			08-14-59	402 8.20			54.0	17.0	7.6		218	30.0
15N-17E-06ADD 1	27	OA	05-01-59	8.70	20.5		16.0	24.0	26.0		180	14.0
			08-14-59	431 8.20			53.0	14.0	22.0		224	35.0
15N-17E-06BAA 1	41	OT										
15N-17E-08BBC 1	25	OA	05-01-59	290 8.60	16.5		23.0	19.0	6.9		154	7.0
			08-14-59	432 8.30			62.0	15.0	13.0		264	11.0
15N-18E-0388B 1	27	OA										
16N-15E-11ADD 1	55	EH	11-15-66	1370 8.80	18.5				331.0		678	42.0
16N-16E-19AAA 1	14	OA	12-14-66	1020 8.10					43.0		444	20.0
16N-16E-19AAA 2	20	OA										
16N-16E-20 1	22	OA	07-27-51	899 7.20			131.0	38.0	33.0		569	19.0
16N-16E-29DDA 1	30	OA	12-01-54	762 7.90	17.0		102.0	26.0	29.0	1.2	430	47.0
16N-17E-1188C 1	29	EI	11-15-66	460 8.10	18.0				39.0		280	11.0
16N-17E-14DDD 1	13	OT										
16N-17E-20 1			08-31-51	210 6.50			8.4	3.1	26.0	1.1	42	8.8
16N-18E-118CC 1	27	OA	08-13-59	876 8.50			20.0	10.0	177.0		402	60.0
16N-18E-11CDD 1	20	OA	03-21-60	2720 8.60			172.0	61.0	335.0		294	152.0
			03-02-60	2830 8.40			179.0	64.0	337.0		340	146.0
16N-18E-14ABA 1	42	OA	05-06-60	983 7.70	14.5		55.0	6.8	173.0		516	52.0
			08-27-59	876 8.50			17.0	9.1	182.0		390	65.0
16N-18E-15AAA 1	34	OA	08-13-59	330 7.90			26.0	8.5	33.0		140	29.0
			05-06-60	621 7.40	15.0		52.0	16.0	55.0		230	72.0
16N-18E-158BA 1	33	OA	08-13-59	692 8.20			88.0	24.0	31.0		372	25.0
16N-18E-16AB8 1	34	OA	08-13-59	360 8.00			22.0	6.1	43.0		140	21.0
16N-18E-22AAB 1		OA	12-03-59	472 7.80			48.0	7.8	42.0		202	25.0
16N-18E-27CDD 1	68	OT	10-18-66	377 8.30					67.0		236	6.0
16N-18E-33CAD 1	31	OA										
16N-19E-08RC8 1	29	EM										
16N-19E-32DC 1	38	OA	06-05-46	491 7.40	16.5		59.0	16.0	31.0		308	7.7
16N-19E-33HCC 1	32	OA	11-19-58	277 8.00			21.0	9.1	26.0	0.6	128	15.0
16N-19E-34CCC 1	31	OA	06-05-46	345 7.00	16.5		26.0	8.4	32.0		103	25.0
17N-15E-05HAA 1	50	EE										
17N-15E-14 1		OT										
17N-15E-14CCD 1			12-15-66	98 7.60	12.0				13.0		32	11.0
17N-15E-2488H 1	52	EE										
17N-16E-09DAA 1	46	EH	10-18-66	1230 8.60					256.0		538	36.0

	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT (CALC) 180 DEG)		HARDNESS CA+MG NON-CARB		SAR	REMARKS
133	15N-16E-048BB 1												FLD. DATA
	15N-16E-048CC 1	01-01-36	10.0					436		376			FLD. DATA
	15N-17E-05CBC 1	05-01-59	6.2	0.2	1.4			183		142	20	0.2	
		08-14-59	7.4		0.7			260		204	26	0.2	
	15N-17E-06ADD 1	05-01-59	16.0	0.2	0.2			208		138	0	1.0	
		08-14-59	11.0		0.0			274		188	4	0.7	
	15N-17E-06BAA 1												FLD. DATA
	15N-17E-08BHC 1	05-01-59	4.8	0.2	0.5			177		136	0	0.3	
		08-14-59	7.2		0.1			260		216	0	0.4	
	15N-18E-03BBB 1												FLD. DATA
	16N-15E-11ADD 1	11-15-66	60.0		1.9					28			
	16N-16E-19AAA 1	12-14-66	95.0		16.0			658		438			
	16N-16E-19AAA 2												FLD. DATA
	16N-16E-20 1	07-27-51	48.0		0.0	0		518		483	16		
	16N-16E-29DDA 1	12-01-54	16.0	0.4	14.0	0	30	510		360	8	0.7	
	16N-17E-11HBC 1	11-15-66	6.0		0.1			297		164			
	16N-17E-14CDD 1												FLD. DATA
	16N-17E-20 1	08-31-51	5.8	0.0	48.0		40	159		34	0		
	16N-18E-11BCC 1	08-13-59	46.0		0.5			569		92	0	8.0	
	16N-18E-11CDD 1	03-21-60	440.0		420.0			1940		680	389	5.6	
		03-02-60	445.0		460.0			1900		710	418	5.5	
	16N-18E-14ABA 1	05-06-60	46.0		0.1			599		165	0	7.7	
		08-27-59	48.0		1.2			548		80	0	8.8	
	16N-18E-15AAA 1	08-13-59	19.0		0.7			197		100	0	1.4	
		05-06-60	36.0		0.1			356		196	8	1.7	
	16N-18E-15BBA 1	08-13-59	40.0		0.0			414		320	15	0.8	
	16N-18E-16ABB 1	08-13-59	26.0		0.0			220		80	0	2.1	
	16N-18E-22AAB 1	12-03-59	36.0		0.8			290		152	0	1.5	
	16N-18E-27CDD 1	10-18-66	6.3		0.0		37	231		66		3.6	
	16N-18E-33CAD 1												FLD. DATA
	16N-19E-08BCB 1												FLD. DATA
	16N-19E-32DC 1	06-05-46	21.0		0.2			400					
	16N-19E-33BCC 1	11-19-58	14.0		0.0	370		180		90	0	1.2	
	16N-19E-34CCC 1	06-05-46	28.0		2.5			264					
	17N-15E-05BAA 1												FLD. DATA
	17N-15E-14 1												FLD. DATA
	17N-15E-14CCD 1	12-15-66	4.0		15.0			86		26			
	17N-15E-24BBB 1												FLD. DATA
	17N-16E-09DAA 1	10-18-66	104.0		2.2			728		104		11.0	



## WAGONER COUNTY

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH	AQUI- FERS	DATE OF COLLECTION	SP COND	PH	TEMP	CA	MG	NA	K	HCO <sub>3</sub>	SO <sub>4</sub>
	(FT)		(MO-DA-YR)			(C.)						
17N-16E-36DCC 1	31	EH										
17N-17E-03HAA 1	52	EJ										
17N-17E-09CCC 1	36	OA	08-13-59	402	8.10		56.0	11.0	14.0		204	6.2
17N-17E-10CBC 1	22	OA	08-13-59	344	7.90		30.0	8.0	30.0		110	33.0
17N-17E-17ACC 1	43	OA	08-13-59	432	8.10		32.0	4.9	63.0		212	20.0
			03-03-60	684	8.40		62.0	11.0	83.0		396	13.0
17N-17E-19ADA 1	31	OA	08-13-59	344	8.00		37.0	14.0	17.0		168	7.4
17N-17E-27ADA 1		OA	09-01-59	821	8.00		85.0	26.0	56.0		328	92.0
17N-17E-27DAB 1	63	OA	12-03-59	210	7.20		18.0	3.6	17.0		60	8.6
17N-18E-14BAA 1	38	EJ										
17N-18E-26DAA 1	80	EJ										
17N-18E-32HAB 1	77	EJ	10-18-66	637	8.40				142.0		336	5.0
17N-19E-21BAA 1	40	EM										
17N-19E-33DCC 1	225	DB	08-04-65	6130	7.40				1200.0		420	110.0
18N-15E-14ADA 1	32	EE										
18N-15E-18ABB 1	375	EE	10-19-65	1500	8.10				350.0		564	42.0
18N-15E-27AAC 1	170	EE	03-29-64	1330	8.10	14.5			228.0		536	22.0
18N-15E-29ADB 1	200	EE	03-25-64	2340	7.80	13.5			247.0		718	650.0
18N-15E-29ADC 1		EE	03-25-64	1240	7.70	12.0			96.0		560	172.0
18N-15E-32BBB 1	170	EE	03-25-64	964	8.00	14.5			167.0		468	33.0
18N-16E-12ABB 1	32	OA	12-03-59	1110	7.90		31.0	20.0	201.0		372	214.0
18N-16E-26DAA 1	46	EH										
18N-16E-34ADD 1		EH	04-23-65	3990	7.60	17.0			561.0		558	1300.0
18N-16E-35D 1	92	EH	02-11-65	1840	8.10	17.0			383.0		656	250.0
18N-18E-13AAC 1	54	EM										
18N-18E-19ADA 1	72	EJ										
18N-18E-21DA 1		EK	01-01-36		7.50							
18N-18E-27C 1		EK	01-01-36		8.10							
18N-18E-27C 2		EK	01-01-36		7.70							
18N-18E-33DDC 1	70	EK										
18N-18E-34AA 1		EM	01-01-36		8.10							
19N-15E-14DCD 1	73	EE										
19N-16E-05AAA 1	56	OA	08-13-59	470	8.20		50.0	13.0	30.0		224	27.0
			12-03-59	376	7.80		44.0	11.0	15.0		128	53.0
19N-16E-05ABA 1	41	OA	08-13-59	441	8.20		21.0	15.0	58.0		252	21.0
19N-16E-05BAA 1	28	OA	08-13-59	380	8.20		35.0	17.0	21.0		196	1.6
19N-16E-05HRA 1	31	OA	08-13-59	1560	8.20		146.0	43.0	164.0		272	519.0
19N-16E-05CCC 1	36	OA	10-29-58	802	8.30		62.0	18.0		2.3	344	
19N-16E-22HHH 1	33	OA	12-03-59	407	8.10		38.0	10.0	37.0		248	0.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE (OF COLLECTION	CL	F	NU3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT	(CALC)	CA+MG	NON-		
							180 DEG)			CARB		
17N-16E-36DCC 1												FLD. DATA
17N-17E-038AA 1												FLD. DATA
17N-17E-09CCC 1	08-13-59	29.0		0.7			250		184	17	0.5	
17N-17E-10CHC 1	08-13-59	34.0		0.7			200		108	18	1.3	
17N-17E-17ACC 1	08-13-59	30.0		0.0			254		100	0	2.7	
	03-03-60	20.0					400		200	0	2.5	
17N-17E-19ADA 1	08-13-59	31.0		0.0			210		152	14	0.6	
17N-17E-27ADA 1	09-01-59	51.0		5.2			505		320	51	1.4	FLD. DATA
17N-17E-27DAB 1	12-03-59	26.0		1.8							0.9	
17N-18E-188AA 1												FLD. DATA
17N-18E-26DAA 1												FLD. DATA
17N-18E-32BAB 1	10-18-66	39.0		5.0					38		10.0	
17N-19E-218AA 1												FLD. DATA
17N-19E-33DCC 1	08-04-65	1750.0			12000		3380		325	0	29.0	
18N-15E-14ADA 1												FLD. DATA
18N-15E-18ABR 1	10-19-65	195.0			490		840		20	0	34.0	
18N-15E-27AAC 1	03-29-64	170.0			260		763		206	0	6.9	
18N-15E-29ADB 1	03-25-64	47.0			510		1510		795	206	3.8	
18N-15E-29ADC 1	03-25-64	50.0			150		820		500	41	1.9	
18N-15E-32BBB 1	03-25-64	88.0		0.1	190		554		178	0	5.4	
18N-16E-12ABR 1	12-03-59	48.0		1.0			709		160	0	6.9	
18N-16E-26DAA 1												FLD. DATA
18N-16E-34ADD 1	04-23-65	368.0		0.3	430		3060		1060	602	7.5	
18N-16E-35D 1	02-11-65	138.0			990		1170		160	0	13.0	
18N-18E-13AAC 1												FLD. DATA
18N-18E-19ADA 1												FLD. DATA
18N-18E-21DA 1	01-01-36	24.0					404		340			
18N-18E-27C 1	01-01-36	13.0					1934		548			
18N-18E-27C 2	01-01-36	117.0					1416		755			
18N-18E-33DDC 1												FLD. DATA
18N-18E-34AA 1	01-01-36	7.0					645		254			
19N-15E-14DCD 1												FLD. DATA
19N-16E-05AAA 1	08-13-59	24.0		0.1			275		180	0	1.0	
	12-03-59	21.0		0.2			244		156	51	0.5	
19N-16E-05ABA 1	08-13-59	8.8		0.0			264		114	0	2.3	
19N-16E-05BAA 1	08-13-59	28.0		0.0			211		156	0	0.7	
19N-16E-05BHA 1	08-13-59	94.0		0.5			1140		540	317	3.1	
19N-16E-05CCC 1	10-29-58	44.0		0.1		260			230	0		
19N-16E-22BBB 1	12-03-59	9.9		1.3			235		138	0	1.4	

## WAGONER COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HCO3	SO4
19N-16E-30AAA 1	31	OA	10-29-58	856	8.00		46.0	18.0	110.0	0.8	200	214.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS (RES. AT 180 DEG)	HARDNESS (CALC)	CA+MG	NON- CARB	SAR	REMARKS
19N-16E-30AAA 1	10-29-58	31.0		0.1			563	190	26	3.5		

## WASHINGTON COUNTY

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
WELL LOCATION	WELL DEPTH (FT)	AQUI- FERS	DATE (OF COLLECTION (MO-DA-YR)	SP COND	PH	TEMP (C.)	CA	MG	NA	K	HC03	SO4
23N-12E-36BAB 1	55	DR										
23N-13E-26AAD 1	69	DR										
23N-14E-30BBB 1	45	OA										
24N-12E-13AAA 1	16	DG	11-05-68	607	8.10	17.0			80.0		280	214.0
24N-13E-03ABA 1	76	DR	11-05-68	1760	8.30	16.0			263.0		502	6.4
24N-13E-29BBB 1	17	DP										
25N-13E-12DDD 1	36	DR	11-07-68	1270	8.00	16.0			44.0		244	140.0
27N-13E-24BAB 1	50	DP	11-07-68	628	8.20	16.0			55.0		284	155.0
28N-13E-09 1		DH	09-18-51	171	6.90		17.0	5.7	9.1	0.8	82	6.9
28N-13E-16ABB 1	26	DH	11-05-68	189	8.00	17.0			9.0		104	7.8
28N-14E-18AAB 1	73	DH	11-07-68	2610	8.20	16.0			195.0		368	453.0
29N-14E-19BAB 1	88	DI	11-07-68	2510	8.30	16.0			686.0		220	1300.0
29N-14E-21CA 1	270	DJ	09-12-44		8.30		62.0	30.0	103.0		459	42.0

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
WELL LOCATION	DATE OF COLLECTION	CL	F	NO3	B	FE	DISSOL. SOLIDS		HARDNESS		SAR	REMARKS
							(RES. AT 180 DEG)	(CALC)	CA+MG	NON- CARB		
23N-12E-368AB	1											FLD. DATA
23N-13E-26AAD	1											FLD. DATA
23N-14E-3088B	1											FLD. DATA
24N-12E-13AAA	1 11-05-68	12.0		0.0			370		296	66		
24N-13E-03ABA	1 11-05-68	342.9		0.6			992		340	0		
24N-13E-2988B	1											FLD. DATA
25N-13E-12DDD	1 11-07-68	170.0		1.4			912		490	290		
27N-13E-248AB	1 11-07-68	21.0		0.6			388		304	72		
28N-13E-09	1 09-18-51	3.0	0.3	8.4		0	110		66	0		
28N-13E-16ABB	1 11-05-68	4.2		0.9			121		80	0		
28N-14E-18AAB	1 11-07-68	345.0		228.0			1800		1020	719		
29N-14E-19HAB	1 11-07-68	35.0		13.0			1740		108	0		
29N-14E-21CA	1 09-12-44	28.0		37.0			572		278			





