

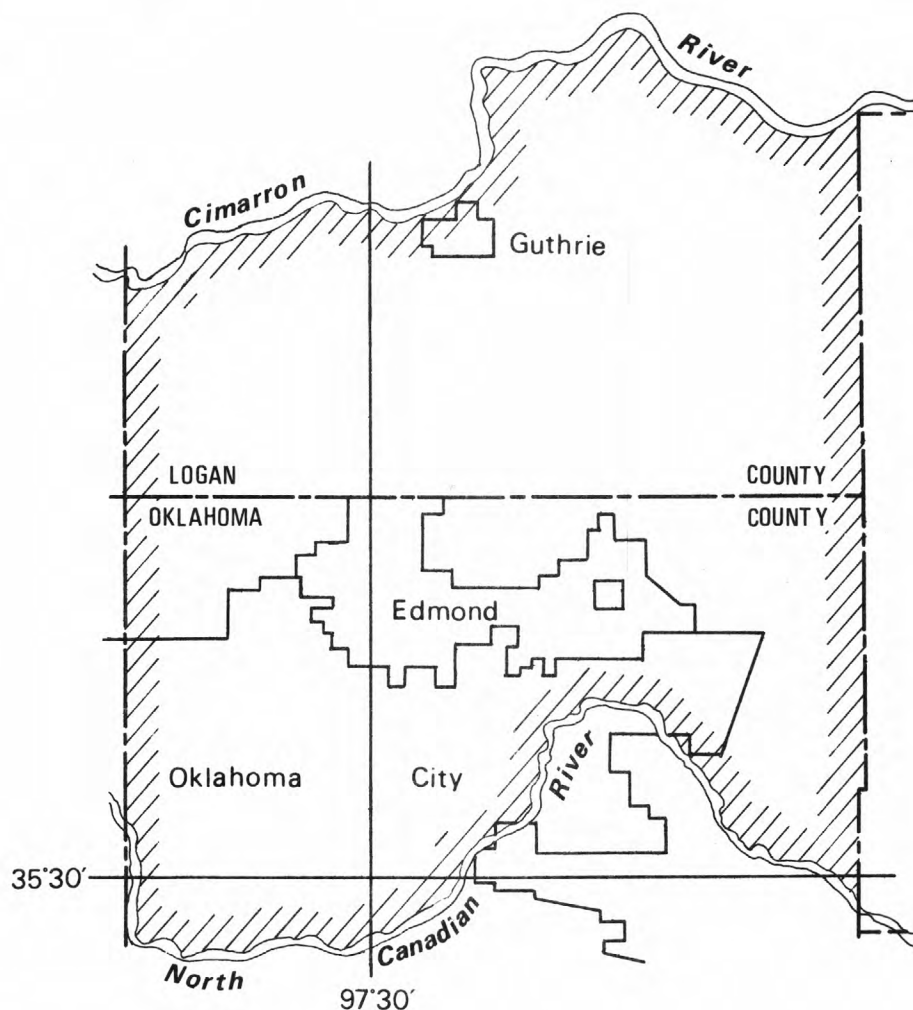
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# RECORDS OF WELLS AND WATER QUALITY FOR THE GARBER-WELLINGTON AQUIFER, NORTHERN OKLAHOMA AND SOUTHERN LOGAN COUNTIES, OKLAHOMA

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U. S. GEOLOGICAL SURVEY  
Open-File Report 76-619

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Prepared in cooperation with  
U. S. BUREAU OF RECLAMATION  
and  
OKLAHOMA GEOLOGICAL SURVEY





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
Geological Survey

RECORDS OF WELLS AND WATER QUALITY  
FOR THE GARBER-WELLINGTON AQUIFER,  
NORTHERN OKLAHOMA AND  
SOUTHERN LOGAN COUNTIES, OKLAHOMA

Compiled by Jerry E. Carr and John S. Havens

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Oklahoma City, Oklahoma

September, 1976





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RECORDS OF WELLS AND WATER QUALITY FOR THE GARBER-  
WELLINGTON AQUIFER, NORTHERN OKLAHOMA AND SOUTHERN LOGAN  
COUNTIES, OKLAHOMA

BY JERRY E. CARR AND 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.

IN 1972, AT THE REQUEST OF THE U. S. BUREAU OF RECLAMATION, THE GEOLOGICAL SURVEY UNDERTOOK A STUDY OF THE GARBER-WELLINGTON AQUIFER IN NORTHERN OKLAHOMA AND SOUTHERN LOGAN COUNTIES. AS A PART OF THIS PROJECT, RECORDS OF ABOUT 120 WELLS WERE COLLECTED AND 12 SAMPLES OF GROUND WATER FROM THE AQUIFER WERE ANALYZED IN THE LABORATORIES OF THE GEOLOGICAL SURVEY; THESE RECORDS ARE INCLUDED IN THIS REPORT. IN ADDITION, RECORDS OF ABOUT 302 WELLS AND ANALYSES OF 60 WATER SAMPLES WERE TAKEN FROM A REPORT BY WOOD AND BURTON (1966) AND FROM THE FILES OF THE GEOLOGICAL SURVEY.

ALSO INCLUDED IN THIS REPORT ARE SELECTED REFERENCES FOR THOSE DESIRING MORE INFORMATION ON THE AREA'S GROUND-WATER RESOURCES.

THE STRATIGRAPHIC NOMENCLATURE AND AGE DETERMINATIONS USED IN THIS REPORT ARE THOSE ACCEPTED BY THE OKLAHOMA GEOLOGICAL SURVEY AND DO NOT NECESSARILY AGREE WITH THOSE OF THE U. S. GEOLOGICAL SURVEY.

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

## SELECTED REFERENCES

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WOOD, P. R. AND BURTON, L. C., 1968, GROUND-WATER RESOURCES IN CLEVELAND AND OKLAHOMA COUNTIES, OKLAHOMA: OKLAHOMA GEOL. SURVEY CIRD. 71, 75 P.

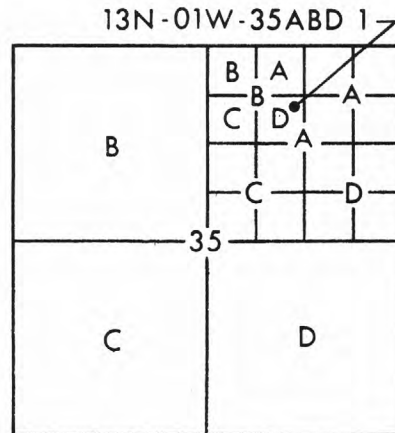
## CONVERSION FACTORS

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   |
|------------------------------|--------|-------------------------|
| -----                        |        |                         |
| INCHES (IN)                  | 25.4   | MILLIMETERS (MM)        |
| FEET (FT)                    | .3048  | METERS (M)              |
| GALLONS PER MINUTE (GAL/MIN) | .06309 | LITERS PER SECOND (L/S) |

# EXPLANATION OF INFORMATION IN TABLE 1

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 SE 1/4 NW 1/4 NE 1/4 SEC.35, T. 13 N., R. 1 W. 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 13N-01W-35ABD 1. THE FINAL DIGIT (1) IS THE SEQUENTIAL NUMBER OF A WELL WITHIN THE SMALLEST FRACTIONAL SUBDIVISION.



COLUMN 2 (OWNER OR USER) OWNER OR USER WHEN THE WELL WAS INVENTORIED.

COLUMN 3 (YEAR DRILLED) MAY BE ESTIMATED OR REPORTED.

COLUMN 4 (WELL DEPTH) DEPTH OF THE WELL BELOW LAND SURFACE TO THE NEAREST FOOT. NUMBERS FOLLOWING THE DEPTH OF THE WELL ARE ACCURACY CODES AS FOLLOWS:

- 0. ACCURATE WITHIN 1 FT
- 1. LESS THAN 1 FT
- 3. FROM DRILLER'S LOG
- 5. ESTIMATED
- 6. REPORTED

COLUMN 5 (WATER USE) WATER USE IS CODED AS FOLLOWS:

- C. COMMERCIAL
- D. DEWATERING
- H. DOMESTIC
- I. IRRIGATION
- N. INDUSTRIAL
- P. PUBLIC SUPPLY
- R. RECREATION
- S. STOCK SUPPLY
- T. INSTITUTIONAL
- U. UNUSED

COLUMN 6 (WELL DIAMETER) DIAMETER OF THE WELL TO THE NEAREST INCH.

COLUMN 7 (DEPTH TO WATER) DEPTH TO THE WATER LEVEL BELOW LAND SURFACE TO THE NEAREST FOOT. "+" INDICATES WATER LEVEL ABOVE LAND SURFACE. LETTERS FOLLOWING THE WATER LEVEL ARE ACCURACY CODES AS FOLLOWS:

- A. TAPE - BETTER THAN 1 FT
- B. TAPE - LESS THAN 1 FT
- C. AIRLINE
- D. DRILLER'S LOG
- G. REPORTED
- J. NEARBY WELL PUMPING OR PUMPED RECENTLY

COLUMN 8 (DATE MEASURED) DATE OF WATER-LEVEL MEASUREMENT

COLUMN 9 (WELL YIELD) DISCHARGE OF THE WELL IN GALLONS PER MINUTE. THE NUMBERS FOLLOWING THE WELL YIELD ARE ACCURACY CODES AS FOLLOWS:

- 2. PROPELLER-TYPE METER
- 3. BAILER
- 4. ORIFICE
- 0. ESTIMATED - BLANK IF REPORTED

COLUMN 10 (AQUIFERS) THE AQUIFER CODE IS:

| CODE | AQUIFER OR FORMATION |
|------|----------------------|
|------|----------------------|

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PERMIAN

CQ GARBER-WELLINGTON FORMATIONS

COLUMN 11 (ALTITUDE OF LAND SURFACE) NUMBERS ARE IN FEET ABOVE SEA LEVEL.

COLUMN 12 (REMARKS) THE CODE USED IS AS FOLLOWS:

- D - DRILLER'S LOG
- E - ELECTRIC LOG
- G - GEOLOGIC LOG
- J - GAMMA-RAY LOG
- N - NEUTRON LOG
- Q - WATER-QUALITY DATA AVAILABLE
- R - RADIATION LOG
- Y - ELECTRIC, RADIATION, AND  
DRILLER'S LOGS

TABLE 1.--RECORDS OF WELLS IN THE GARBER-WELLINGTON AQUIFER

## OKLAHOMA COUNTY

| WELL<br>LOCATION | OWNER<br>OR<br>USER | YEAR<br>DRILLED | WELL<br>DEPTH<br>(FT) | WATER<br>USE | WELL<br>DIAMETER<br>(IN) | DEPTH<br>TO<br>WATER<br>(FT) | DATE<br>MEASURED<br>(MU-YR) | WELL<br>YIELD<br>(GAL/MIN) | AQUIFERS | ALTITUDE<br>OF LAND<br>SURFACE<br>(FT) | REMARKS |
|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 11N-03W-02ABB 1  | WASTEKA OIL CO.     | 1935            | 571 0                 | N            | 8                        |                              |                             |                            | CQ       | 1165                                   | D       |
| 11N-03W-05ABA 1  | OKLA. CITY, OK      | 1955            | 779 0                 | P            | 11                       | 220 C                        | 5-73                        | 238                        | CQ       | 1192                                   | Y       |
| 12N-01E-03BCC 1  |                     |                 | 102 0                 | H            | 5                        | 79 A                         | 11-56                       |                            | CQ       | 1165                                   |         |
| 12N-01E-05DCB 1  | HAYES, CLIFF        | 1973            | 220 0                 | I            | 7                        | 54 A                         | 5-74                        |                            | CQ       | 1135                                   |         |
| 12N-01E-07BAB 1  | LISTEN, C.          | 1965            | 120 6                 | H            |                          | 35 G                         | 65                          |                            | CQ       | 1101                                   | Q       |
| 12N-01E-12CBC 1  | CLARK, BOB          |                 | 204 6                 | I            | 8                        | 32 A                         | 5-74                        | 35                         | CQ       | 1115                                   |         |
| 12N-01E-15ACC 1  | OKLA. GAS-ELEC.     | 1972            | 412 3                 | N            | 16                       | C                            | 12-74                       |                            | CQ       | 1085                                   | QDR     |
| 12N-01E-15DBC 1  | OKLA. GAS-ELEC.     | 1967            | 400 3                 | N            | 16                       | 72 A                         | 12-74                       | 310                        | CQ       | 1089                                   | DR      |
| 12N-01E-15DBD 1  | OKLA. GAS-ELEC.     | 1946            | 430 3                 | N            | 13                       | 59 A                         | 12-74                       | 180                        | CQ       | 1084                                   |         |
| 12N-01E-15DCB 1  | OKLA. GAS-ELEC.     | 1964            | 400 3                 | N            | 16                       | 84 G                         | 9-64                        | 200                        | CQ       | 1080                                   | DR      |
| 12N-01E-15DCC 1  | OKLA. GAS-ELEC.     | 1933            | 600 3                 | N            | 12                       | 50 G                         | 10-49                       | 275                        | CQ       | 1075                                   |         |
| 12N-01E-22AAB 1  | OKLA. GAS-ELEC.     | 1924            | 620 3                 | N            | 12                       | 50 G                         | 10-49                       | 150                        | CQ       | 1075                                   |         |
| 12N-01E-22ACB 1  | OKLA. GAS-ELEC.     | 1959            | 377 6                 | N            | 16                       | 62 G                         | 1-59                        | 250                        | CQ       | 1074                                   | D       |
| 12N-01E-22ADB 1  | OKLA. GAS-ELEC.     | 1946            | 444 3                 | N            | 16                       | 35 G                         | 10-49                       | 406                        | CQ       | 1075                                   |         |
| 12N-01W-01AAA 1  | RUZYCHI             | 1966            | 95 6                  | N            | 7                        | 13 G                         | 6-72                        |                            | CQ       | 1105                                   | Q       |
| 12N-02W-04CBB 1  | HAYWOOD DR.         |                 | 180 6                 | H            | 6                        | 105 G                        | 11-73                       |                            | CQ       | 1210                                   |         |
| 12N-02W-04CDD 1  | JOHNSON, C.         | 1957            | 165 0                 | H            |                          | 129 A                        | 11-74                       |                            | CQ       | 1250                                   | Q       |
| 12N-02W-05DAD 1  | G. WRIGHT SCH.      |                 | 95 1                  | P            | 6                        | 92 B                         | 11-73                       |                            | CQ       | 1192                                   |         |
| 12N-02W-20BAA 1  | YEOKUM, G. H.       |                 | 150 6                 | H            | 6                        | 74 A                         | 11-74                       |                            | CQ       | 1205                                   | Q       |
| 12N-03W-01ADD 1  | PEPPERS RFG. CO.    | 1948            | 748 6                 | N            | 10                       |                              |                             | 73                         | CQ       | 1125                                   | D       |
| 12N-03W-02AAB 1  | NICHOL HILLS, OK    | 1962            | 760 6                 | P            | 11                       | 240 C                        | 7-66                        | 190 4                      | CQ       | 1080                                   | RD      |
| 12N-03W-02ABD 1  | NICHOL HILLS, OK    | 1962            | 756 6                 | P            | 11                       | 237 A                        | 6-73                        | 200 4                      | CQ       | 1130                                   | QR      |
| 12N-03W-03BAA 1  | NICHOL HILLS, OK    | 1956            | 762 6                 | P            | 11                       | 243 A                        | 6-73                        | 300                        | CQ       | 1162                                   |         |
| 12N-03W-03BCB 1  | NICHOL HILLS, OK    | 1956            | 756 3                 | P            | 11                       | 238 A                        | 6-73                        |                            | CQ       | 1152                                   | R       |
| 12N-03W-03CAA 1  | NICHOL HILLS, OK    | 1956            | 743 3                 | P            | 11                       | 244 A                        | 6-73                        |                            | CQ       | 1145                                   | R       |
| 12N-03W-04AAC 1  | STATION KOMA        | 1952            | 798 0                 | P            | 9                        | 140 G                        | 6-52                        |                            | CQ       | 1160                                   | J       |
| 12N-03W-04BBC 3  | NICHOL HILLS, OK    | 1954            | 453                   | P            | 11                       |                              |                             |                            | CQ       | 1195                                   | R       |
| 12N-03W-04BBC 4  | NICHOL HILLS, OK    | 1968            | 800                   | P            | 11                       |                              |                             |                            | CQ       | 1195                                   | RD      |
| 12N-03W-04CCD 1  | NICHOL HILLS, OK    | 1969            | 767 3                 | P            | 11                       | 298 J                        | 6-73                        | 258 4                      | CQ       | 1150                                   | R       |
| 12N-03W-04DAD 1  | NICHOL HILLS, OK    | 1956            | 752 3                 | P            | 11                       |                              |                             |                            | CQ       | 1140                                   | R       |
| 12N-03W-05BDA 1  | NICHOL HILLS, OK    | 1950            | 785 3                 | P            | 11                       | 342 A                        | 6-73                        |                            | CQ       | 1170                                   | R       |
| 12N-03W-05BDA 2  | NICHOL HILLS, OK    | 1954            | 450 3                 | P            | 11                       |                              |                             | 230                        | CQ       | 1170                                   | R       |
| 12N-03W-05CAB 1  | NICHOL HILLS, OK    | 1937            | 816 6                 | P            | 10                       | 235 C                        | 7-60                        | 210                        | CQ       | 1220                                   | Q       |
| 12N-03W-05CAB 2  | NICHOL HILLS, OK    | 1963            | 800 3                 | P            | 11                       | 250 C                        | 5-72                        |                            | CQ       | 1220                                   | RD      |
| 12N-03W-05DCA 1  | NICHOL HILLS, OK    | 1966            | 760 3                 | P            | 11                       | 278 A                        | 6-73                        | 220 4                      | CQ       | 1150                                   | R       |
| 12N-03W-05DD 1   | NICHOL HILLS, OK    |                 | 800 6                 | P            | 10                       |                              |                             | 275                        | CQ       | 1160                                   | Q       |
| 12N-03W-05DDD 1  | NICHOL HILLS, OK    | 1945            | 764 6                 | P            | 10                       |                              |                             |                            | CQ       | 1149                                   | E       |
| 12N-03W-06ADD 1  | NICHOL HILLS, OK    |                 | 825 6                 | P            |                          |                              |                             |                            | CQ       | 1195                                   | Q       |
| 12N-03W-06ADD 2  | NICHOL HILLS, OK    | 1966            | 774 3                 | P            | 11                       | 283 G                        | 5-66                        |                            | CQ       | 1215                                   | RD      |
| 12N-03W-08CAC 1  | OKLA. GAS-ELEC.     | 1930            | 805 3                 | N            | 12                       | 99 G                         | 10-49                       | 310                        | CQ       |  |         |
| 12N-03W-08DBB 1  | OKLA. GAS-ELEC.     | 1930            | 810 3                 | N            | 10                       | 106 G                        | 10-49                       | 240                        | CQ       |  |         |



## OKLAHOMA COUNTY

| WELL<br>LOCATION | OWNER<br>OR<br>USER | YEAR<br>DRILLED | WELL<br>DEPTH<br>(FT) | WATER<br>USE | WELL<br>DIAMETER<br>(IN) | DEPTH<br>TO<br>WATER<br>(FT) | DATE<br>MEASURED<br>(MO-YR) | WELL<br>YIELD<br>(GAL/MIN) | AQUIFERS | ALTITUDE<br>OF LAND<br>SURFACE<br>(FT) | REMARKS |
|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 12N-03W-08DCD 1  | OKLA. GAS-ELEC.     | 1937            | 841 6                 | N            | 12                       | 100 G                        | 10-49                       | 475                        | CQ       |  |         |
| 12N-03W-09DDC 2  | OKLA.CITY,OK        | 1955            | 738 0                 | P            | 11                       | 195 G                        | 4-55                        | 280                        | CQ       | 1143                                   | R       |
| 12N-03W-09DDD 2  | OKLA.CITY,OK        | 1955            | 811 0                 | U            | 5                        |                              |                             |                            | CQ       | 1150                                   | ED      |
| 12N-03W-128CD 1  | OKLA.CITY,OK        | 1955            | 797 6                 | P            | 11                       | 175 C                        | 5-73                        | 235                        | CQ       | 1135                                   | QR      |
| 12N-03W-1388B 1  | OKLA.CITY,OK        | 1955            | 778 6                 | P            | 11                       | 140 G                        | 2-55                        | 268                        | CQ       | 1156                                   | R       |
| 12N-03W-138CC 1  | OKLA.CITY,OK        | 1955            | 780 6                 | P            | 11                       | 158 C                        | 5-73                        | 320                        | CQ       | 1132                                   | QR      |
| 12N-03W-13CCC 1  | OKLA.CITY,OK        | 1955            | 760 0                 | P            | 11                       | 179 C                        | 5-73                        | 308                        | CQ       | 1135                                   | RD      |
| 12N-03W-15ACD 1  | WILLIAMS,R.F.J.     | 1933            | 480 6                 | N            | 8                        |                              |                             |                            | CQ       | 1145                                   | D       |
| 12N-03W-15CAA 2  | PEPPERS GAS CO.     |                 | 800 6                 | N            |                          |                              |                             |                            | CQ       | 1135                                   | Q       |
| 12N-03W-15DBB 3  | HEATLEY,J.E.        | 1932            | 153 6                 | N            | 8                        |                              |                             |                            | CQ       | 1135                                   | D       |
| 12N-03W-15DDB 1  | BARNSDALL OIL       |                 | 800 6                 | N            | 11                       |                              |                             |                            | CQ       | 1175                                   | Q       |
| 12N-03W-16CCD 1  | OKLA.CITY,OK        | 1955            | 754 0                 | P            | 11                       | 176 C                        | 5-73                        | 307                        | CQ       | 1165                                   | R       |
| 12N-03W-17ABC 1  | OKLA.CITY,OK        | 1955            | 785 0                 | P            | 11                       | 202 C                        | 5-73                        | 318                        | CQ       | 1160                                   | R       |
| 12N-03W-22ADB 2  | PHILLIPS PET.CO     |                 | 790 6                 | N            | 10                       |                              |                             |                            | CQ       | 1175                                   | D       |
| 12N-03W-22DAA 3  | PHILLIPS PET.CO     | 1928            | 795 6                 | N            | 11                       | 193 A                        | 11-42                       |                            | CQ       | 1205                                   | D       |
| 12N-03W-22DBD 1  | SUNRAY DX OIL       |                 | 791 6                 | N            | 10                       | 168 A                        | 2-74                        |                            | CQ       | 1190                                   | D       |
| 12N-03W-24CCA 1  | MC FARLAND,M.       | 1950            | 168 6                 | H            | 6                        | 120 G                        | 3-50                        | 20 3                       | CQ       | 1200                                   |         |
| 12N-03W-24DBA 1  | PHILLIPS PET.CO     | 1936            | 825 6                 | N            | 10                       | 290 G                        | 5-36                        |                            | CQ       | 1190                                   | D       |
| 12N-03W-24DBB 2  | PHILLIPS PET.CO     | 1936            | 827 6                 | N            | 10                       | 275 G                        | 4-36                        |                            | CQ       | 1200                                   | D       |
| 12N-03W-25CCC 1  | NAT.CYL.GAS CO.     |                 | 200 6                 | H            | 4                        | 60 G                         | 6-43                        |                            | CQ       | 1185                                   |         |
| 12N-03W-26ABB 1  | ANDERSON ARCTIC     |                 | 660 6                 | N            | 10                       | 176 A                        | 6-43                        |                            | CQ       | 1225                                   |         |
| 12N-03W-26BAA 2  | SUNRAY OIL CO.      |                 | 760 6                 | N            | 10                       |                              |                             |                            | CQ       | 1225                                   | D       |
| 12N-03W-26BCC 1  | SUNRAY OIL CO.      |                 | 638 6                 | N            | 8                        |                              |                             |                            | CQ       | 1245                                   | Q       |
| 12N-03W-26BDB 1  | SKELLY OIL CO.      |                 | 827 6                 | N            | 8                        | 199 A                        | 1-64                        | 4                          | CQ       | 1240                                   |         |
| 12N-03W-27BAD 1  | OK, STATE OF        |                 | 720 0                 | P            | 11                       |                              |                             |                            | CQ       | 1245                                   | R       |
| 12N-03W-27BBC 2  | OK, STATE OF        |                 | 810 6                 | P            | 10                       | 452 G                        | 6-43                        | 175                        | CQ       | 1200                                   |         |
| 12N-03W-27DAC 2  | OK,OU UNIV.HOSP     | 1949            | 816 0                 | U            | 11                       |                              |                             |                            | CQ       | 1210                                   | R       |
| 12N-03W-27DAD 1  | VETERANS HOSP.      | 1944            | 800 0                 | I            | 14                       | 335 C                        | 10-73                       |                            | CQ       | 1242                                   | DJ      |
| 12N-03W-27ddb 1  | OK,OU UNIV.HOSP     | 1937            | 795 6                 | U            | 10                       | 280 G                        | 7-37                        |                            | CQ       | 1230                                   | D       |
| 12N-03W-32ACD 1  | PROGRESS BREW.      |                 | 822 6                 | N            | 10                       |                              |                             |                            | CQ       | 1200                                   | Q       |
| 12N-03W-32ADA 1  | NUWAY LAUNDRY       | 1932            | 817 6                 | N            | 10                       |                              |                             | 140                        | CQ       | 1190                                   | Q       |
| 12N-03W-32ADA 2  | NUWAY LAUNDRY       | 1938            | 870 6                 | C            | 12                       | 159 A                        | 11-73                       | 250                        | CQ       | 1200                                   | Q       |
| 12N-03W-33AOD 1  | OKLA.PUB.CO.        |                 | 754 6                 | N            | 10                       | 421 G                        | 6-42                        |                            | CQ       | 1220                                   | D       |
| 12N-03W-33DAA 2  | NEW STATE ICE       | 1923            | 774 0                 | N            | 15                       | 192 G                        | 1-43                        | 260                        | CQ       | 1220                                   |         |
| 12N-03W-33DAA 3  | Y.M.C.A.            |                 | 565 6                 | H            | 10                       | 200 G                        | 41                          | 110                        | CQ       | 1220                                   | D       |
| 12N-03W-33DAA 4  | COCA COLA CO.       | 1934            | 701 6                 | N            | 10                       | 350 A                        | 11-34                       |                            | CQ       | 1220                                   | D       |
| 12N-03W-33DAC 1  | FIRST NAT. BLDG     | 1931            | 780 0                 | H            | 15                       | 250 G                        |                             |                            | CQ       | 1220                                   | QD      |
| 12N-03W-33DCD 2  | CONCORD BLDG.       | 1929            | 682 6                 | P            | 12                       |                              |                             |                            | CQ       | 1210                                   | D       |
| 12N-03W-34AAC 1  | OK OU               | 1973            | 763 3                 | P            | 11                       | 385 D                        | 12-73                       |                            | CQ       | 1232                                   | RD      |
| 12N-03W-34ABA 1  | OK OU               | 1973            | 748 3                 | P            | 11                       | 355 D                        | 11-73                       |                            | CQ       | 1235                                   | RD      |
| 12N-03W-34CAC 1  | STEF.ICE CREAM      | 1.22            | 781 6                 | N            | 12                       | 430 G                        | 5-43                        |                            | CQ       | 1195                                   |         |
| 12N-03W-36CCC 1  | TRA.COMPRESS CO     |                 | 212 6                 | N            | 6                        |                              |                             |                            | CQ       | 1180                                   | Q       |

## OKLAHOMA COUNTY

| WELL<br>LOCATION | OWNER<br>OR<br>USER | YEAR<br>DRILLED | WELL<br>DEPTH<br>(FT) | WATER<br>USE | WELL<br>DIAMETER<br>(IN) | DEPTH<br>TO<br>WATER<br>(FT) | DATE<br>MEASURED<br>(MO-YR) | WELL<br>YIELD<br>(GAL/MIN) | AQUIFERS | ALTITUDE<br>OF LAND<br>SURFACE<br>(FT) | REMARKS |
|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 12N-04W-09DDC 1  | RAY BAKER IND.      | 1942            | 606 6                 | N            | 12                       | 300 G                        | 43                          |                            | CQ       | 1295                                   |         |
| 12N-04W-10CBA 1  | RAY BAKER IND.      | 1938            | 608 6                 | U            | 12                       | 300 G                        | 43                          |                            | CQ       | 1310                                   | Q       |
| 12N-04W-11DCB 1  | OKLA.CITY,OK        | 1955            | 770 0                 | P            | 11                       | 326 C                        | 5-73                        | 240                        | CQ       | 1308                                   | QRE     |
| 12N-04W-14CAB 1  | OKLA.PUB.CO,WKY     | 1931            | 577 6                 | I            | 10                       |                              |                             |                            | CQ       | 1280                                   | QD      |
| 12N-04W-14CAD 1  | BAKER UTILITIES     | 1947            | 660 6                 | P            | 10                       | 340 G                        | 5-47                        |                            | CQ       | 1295                                   | D       |
| 12N-04W-14CDA 1  | OKLA.CITY,OK        |                 | 660 6                 | P            | 10                       | 336 A                        | 5-73                        |                            | CQ       |  | D       |
| 12N-04W-15BCA 1  | BAKER INDUSTRY      |                 | 608 6                 | N            | 12                       |                              |                             |                            | CQ       | 1310                                   | WD      |
| 12N-04W-24BBA 1  | OKLA.CITY,OK        | 1955            | 729 0                 | P            | 11                       | 231 C                        | 5-73                        | 270                        | CQ       | 1218                                   | YR      |
| 12N-04W-24BCC 1  | OKLA.CITY,OK        | 1955            | 760 0                 | P            | 11                       | 250 C                        | 5-73                        | 233                        | CQ       | 1202                                   | QYR     |
| 12N-04W-24DDA 1  | OKLA.CITY,OK        | 1955            | 790 0                 | P            | 11                       | 254 C                        | 5-73                        | 270                        | CQ       | 1224                                   | YR      |
| 12N-04W-25DDB 1  | OKLA.CITY,OK        | 1955            | 675 6                 | P            | 11                       | 259 C                        | 5-73                        | 260                        | CQ       | 1240                                   | ER      |
| 13N-01E-02BAA 1  |                     |                 | 30 0                  | U            | 6                        | 22 A                         | 12-74                       |                            | CQ       | 985                                    |         |
| 13N-01E-02CCC 1  | POLACH,M.T.         | 1974            | 76 0                  | H            | 6                        | 51 A                         | 6-74                        |                            | CQ       | 990                                    |         |
| 13N-01E-02DAD 1  | PAINE, H.           |                 | 26 1                  | H            | 6                        | 4 A                          | 12-74                       |                            | CQ       | 955                                    |         |
| 13N-01E-04AAB 1  |                     |                 | 80 6                  | U            | 5                        | 47 A                         | 11-56                       |                            | CQ       | 960                                    |         |
| 13N-01E-07CCD 1  |                     |                 | 27 0                  | U            | 48                       | 17 A                         | 11-56                       |                            | CQ       | 990                                    |         |
| 13N-01E-08ACA 1  | MILLER,GENE         |                 | 92 0                  | H            | 6                        | 29 A                         | 5-74                        |                            | CQ       | 945                                    |         |
| 13N-01E-09AAA 1  | POLLOT, L.          |                 | 134 0                 | S            | 6                        | 101 A                        | 12-74                       |                            | CQ       | 1050                                   |         |
| 13N-01E-10CDB 1  | BOOHER,T.E.         | 1974            | 64 0                  | H            | 6                        | 8 A                          | 6-74                        |                            | CQ       | 955                                    |         |
| 13N-01E-11CBB 1  | MCDANIELS,J.A.      |                 | 59 1                  | H            | 5                        | 4 A                          | 12-74                       |                            | CQ       | 980                                    | Q       |
| 13N-01E-12BBA 1  | GAY                 | 1963            | 98 0                  | H            | 6                        | 47 A                         | 12-74                       |                            | CQ       | 1035                                   |         |
| 13N-01E-12CCB 1  | GAY,W.C.            |                 | 60 1                  | U            | 5                        | 58 A                         | 12-74                       |                            | CQ       | 1050                                   |         |
| 13N-01E-16CCC 1  |                     |                 | 66 0                  | U            | 6                        | 43 A                         | 12-74                       |                            | CQ       | 1080                                   |         |
| 13N-01E-16DAD 1  | ROBINSON,B.T.       |                 | 78 1                  | H            | 50                       | 61 A                         | 12-74                       |                            | CQ       | 1030                                   |         |
| 13N-01E-16DCC 1  |                     |                 | 20 1                  | U            | 5                        | 16 A                         | 12-74                       |                            | CQ       | 1000                                   |         |
| 13N-01E-22ADD 1  | BOOHER,T.E.         |                 | 153 0                 | U            | 6                        | 112 A                        | 12-74                       |                            | CQ       | 1103                                   |         |
| 13N-01E-26ACC 1  | GISSLER,G.          |                 | 46 0                  | U            | 5                        | 17 A                         | 11-56                       |                            | CQ       | 1000                                   |         |
| 13N-01E-26CCA 1  | BARNETT             |                 | 66 0                  | H            | 7                        | 13 A                         | 5-74                        | 20 0                       | CQ       | 1010                                   |         |
| 13N-01E-27ABA 1  | KUHLMAN, C.         | 1971            | 197 0                 | U            | 6                        | 125 A                        | 12-74                       |                            | CQ       | 1125                                   |         |
| 13N-01E-27CCB 1  | WULASZYN,J.         | 1953            | 140 6                 | H            | 6                        |                              |                             |                            | CQ       | 1120                                   | Q       |
| 13N-01E-27CCC 1  | WULASZYN,J.         | 1926            | 47 0                  | U            | 6                        | 44 A                         | 12-74                       |                            | CQ       | 1100                                   |         |
| 13N-01E-28ACC 1  | DORMAN, J.          |                 | 115 0                 | U            | 12                       | 9 A                          | 12-74                       |                            | CQ       | 1075                                   | Q       |
| 13N-01E-29CCB 1  |                     | 1972            | 114 0                 | H            | 6                        | 58 A                         | 6-74                        |                            | CQ       | 1165                                   |         |
| 13N-01E-34BDA 1  |                     | 1974            | 184 0                 | H            | 6                        | 101 A                        | 12-74                       |                            | CQ       | 1120                                   |         |
| 13N-01E-34BDB 1  | BATES,R.            | 1974            | 168 6                 | H            | 6                        | 85 A                         | 12-74                       |                            | CQ       | 1105                                   |         |
| 13N-01W-08ABB 1  |                     |                 | 74 0                  | U            | 5                        | 26 A                         | 11-74                       |                            | CQ       | 1130                                   |         |
| 13N-01W-12CBB 1  | MACLAND             |                 | 40 6                  | H            | 48                       | 26 A                         | 11-56                       |                            | CQ       | 1065                                   | Q       |
| 13N-01W-12CBB 2  | JAGER,JOHN          |                 | 160 0                 | H            | 6                        | 67 A                         | 6-74                        |                            | CQ       | 1080                                   | Q       |
| 13N-01W-15BCB 1  | TODD, CLAUD         |                 | 210 0                 | H            | 6                        | 91 A                         | 11-74                       |                            | CQ       | 1200                                   | Q       |
| 13N-01W-26AAA 1  | RADFORD HUNT FM     |                 | 146 0                 | S            | 6                        | 61 A                         | 11-74                       |                            | CQ       | 1200                                   | Q       |
| 13N-01W-33BD 1   | BRUCE,F.A.          | 1927            | 76 6                  | H            | 6                        |                              |                             |                            | CQ       | 1200                                   | Q       |
| 13N-01W-36AAA 1  |                     |                 | 47 0                  | S            | 6                        | 33 A                         | 11-74                       |                            | CQ       | 1130                                   |         |

## OKLAHOMA COUNTY

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|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 13N-02W-06AAB 1  | SADLER, RUSS        | 1970            | 144 0                 | H            | 6                        | 57 A                         | 11-74                       |                            | CQ       | 1110                                   | Q       |
| 13N-02W-06BBA 1  | PETERSON, J.B.      | 1956            | 115 6                 | H            | 6                        | 65 G                         | 11-56                       |                            | CQ       | 1135                                   |         |
| 13N-02W-07BAA 1  | EDMOND, OK          | 1973            | 698 3                 | P            | 11                       | 150 C                        | 9-73                        |                            | CQ       | 1142                                   | RD      |
| 13N-02W-09ABA 1  | BOYS RANCH TOWN     | 1960            | 141 1                 | H            | 7                        | 88 A                         | 11-73                       |                            | CQ       | 1110                                   |         |
| 13N-02W-13ACA 1  | KIRBY, J.H.         | 1963            | 149 6                 | H            | 6                        | 106 A                        | 11-73                       |                            | CQ       | 1190                                   |         |
| 13N-02W-14CBC 1  | DAVIS, R.           | 1965            | 100 0                 | H            | 6                        | 49 A                         | 11-73                       |                            | CQ       | 1115                                   |         |
| 13N-02W-14DDD 1  | MOORE, B.           | 1956            | 107 6                 | H            | 6                        | 73 A                         | 11-56                       |                            | CQ       | 1175                                   |         |
| 13N-02W-15CDB 1  | EDELEN, W.L.        | 1940            | 20 1                  | H            | 40                       | 12 A                         | 11-73                       |                            | CQ       | 1050                                   |         |
| 13N-02W-19CBB 1  | CRAIN, W.           |                 | 42 0                  | S            | 48                       | 27 A                         | 11-56                       |                            | CQ       | 1070                                   |         |
| 13N-02W-20BAA 1  | PARKS, J.           |                 | 100 6                 | H            | 6                        |                              |                             |                            | CQ       | 1070                                   | Q       |
| 13N-02W-20BBC 1  | RTA CAMP GROUND     |                 | 480 6                 | P            | 8                        | 116 B                        | 8-73                        |                            | CQ       | 1150                                   |         |
| 13N-02W-23AA 1   | MYSWONGER, L.M.     | 1904            | 72 6                  | H            | 42                       | 67 G                         | 11-56                       |                            | CQ       | 1180                                   |         |
| 13N-02W-27CCD 1  |                     |                 | 63 0                  | U            | 6                        | 48 A                         | 11-74                       |                            | CQ       | 1160                                   |         |
| 13N-02W-31BCB 1  | GRICE, N.G.         | 1969            | 530                   | H            | 7                        | 147 A                        | 8-73                        |                            | CQ       | 1150                                   |         |
| 13N-02W-33ABB 1  | HAMILTON, J.N.      |                 | 80 6                  | H            | 6                        | 47 A                         | 11-74                       |                            | CQ       | 1080                                   | Q       |
| 13N-03W-01ABB 1  | EDMOND, OK.         | 1971            | 680 6                 | P            | 10                       |                              |                             | 350                        | CQ       | 1138                                   |         |
| 13N-03W-01CBA 1  | EDMOND, OK          | 1967            | 770 6                 | P            | 11                       | 173 G                        |                             | 300                        | CQ       | 1189                                   | RD      |
| 13N-03W-09BAB 1  | BURRUUGHS, L.W.     | 1974            | 147 0                 | H            | 6                        | 88 A                         | 11-74                       |                            | CQ       | 1135                                   | Q       |
| 13N-03W-11BAA 1  | EDMOND, OK          | 1965            | 750 6                 | P            | 11                       | 325 G                        | 70                          | 250                        | CQ       | 1171                                   |         |
| 13N-03W-11BBB 1  | EDMOND, OK          | 1972            | 700 3                 | P            | 11                       | 140 C                        | 9-73                        |                            | CQ       | 1167                                   | RD      |
| 13N-03W-11DCD 1  | HAVENS, J.          | 1955            | 125 0                 | H            | 6                        | 72 A                         | 11-74                       |                            | CQ       | 1150                                   | Q       |
| 13N-03W-11DOB 1  | LIONS CLUB          | 1967            | 500                   | H            | 8                        | 185 A                        | 8-73                        |                            | CQ       | 1130                                   |         |
| 13N-03W-14BCC 1  | HEBREW CEMETERY     | 1955            | 437 3                 | I            | 7                        | 146 A                        | 8-73                        |                            | CQ       | 1150                                   | H       |
| 13N-03W-17DCC 1  | TINSLEY, E.         |                 | 162 6                 | H            | 6                        | 60 G                         | 10-56                       |                            | CQ       | 1175                                   |         |
| 13N-03W-20CCC 1  | JOSLYN PROD.CO.     |                 | 650 6                 | N            | 10                       | 125 G                        | 2-43                        |                            | CQ       | 1160                                   | Q       |
| 13N-03W-21ADD 1  | DOLESE              | 1961            | 370 6                 | I            | 10                       | 136 A                        | 11-74                       |                            | CQ       | 1180                                   |         |
| 13N-03W-22AAC 1  | VOSS, R.W.          | 1952            | 128 6                 | S            | 6                        | 63 G                         | 11-56                       |                            | CQ       | 1120                                   |         |
| 13N-03W-23DDD 1  | LONE STAR SCH.      | 1957            | 165 1                 | P            | 6                        | 90 A                         | 10-73                       |                            | CQ       | 1157                                   |         |
| 13N-03W-24ABA 1  | KRAKEL, D.          | 1962            | 500 6                 | H            | 6                        | 199 A                        | 11-73                       |                            | CQ       | 1135                                   |         |
| 13N-03W-26CCD 1  | NICHOL HILLS, OK    | 1966            | 750 3                 | P            | 11                       |                              |                             | 225 4                      | CQ       | 1158                                   | RD      |
| 13N-03W-27BBC 1  | FOSTERS             |                 | 227 6                 | I            |                          |                              |                             |                            | CQ       | 1145                                   |         |
| 13N-03W-28BBB 1  | OKLA. CITY, OK      | 1948            | 789 6                 | P            | 10                       | 216 C                        | 5-73                        | 160                        | CQ       | 1210                                   | Q       |
| 13N-03W-28BDA 1  | OKLA. CITY, OK      | 1948            | 800 6                 | P            | 11                       | 184 G                        | 4-48                        |                            | CQ       | 1180                                   | D       |
| 13N-03W-28CAC 1  | OKLA. CITY, OK      | 1946            | 796 6                 | P            |                          | 280 G                        | 5-55                        | 240                        | CQ       | 1199                                   |         |
| 13N-03W-29BBB 1  | JOSLYN PROD.CO.     |                 | 750 6                 | N            | 10                       | 151 A                        | 2-43                        |                            | CQ       | 1175                                   |         |
| 13N-03W-29DCA 1  | OKLA. CITY, OK      | 1943            | 751 6                 | P            | 11                       | 223 G                        | 9-43                        | 250                        | CQ       | 1185                                   | QD      |
| 13N-03W-29DDD 1  | OKLA. CITY, OK      | 1940            | 790 6                 | P            | 10                       | 248 C                        | 5-73                        | 200                        | CQ       | 1218                                   | Q       |
| 13N-03W-30C 1    | DAWSON, R.          | 1938            | 702 6                 | N            |                          | 200 G                        | 7-38                        |                            | CQ       | 1215                                   | D       |
| 13N-03W-31AAC 1  | SUBURB. WATER CO    |                 | 800 6                 | P            | 10                       | 284 G                        | 11-49                       |                            | CQ       | 1205                                   |         |
| 13N-03W-31BBA 1  | PHILLIPS PET.CO     | 1944            | 568 6                 | N            | 11                       | 120 G                        | 6-44                        |                            | CQ       | 1206                                   | D       |
| 13N-03W-31CCC 1  | OKLA. CITY, OK      | 1935            | 805 6                 | P            | 12                       | 240 C                        | 5-73                        |                            | CQ       | 1227                                   | Q       |
| 13N-03W-31CCC 2  | SUBURB. WATER CO    |                 | 680 6                 | P            | 10                       | 275 G                        | 5-50                        | 90                         | CQ       | 1225                                   | E       |

## OKLAHOMA COUNTY

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|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 13N-03W-31DBC 1  | NICHOL HILLS,OK     | 1950            | 810 6                 | P            | 11                       | 242 A                        | 6-73                        |                            | CQ       | 1220                                   | R       |
| 13N-03W-310BD 1  | PHILLIPS PET.CO     |                 | 570 6                 | N            | 10                       | 175 G                        |                             |                            | CQ       | 1220                                   | D       |
| 13N-03W-328DB 1  | BUTTRAM,F.          | 1930            | 852 6                 | H            | 10                       | 175 G                        | 4-30                        |                            | CQ       | 1220                                   | D       |
| 13N-03W-32DCD 1  | NICHOL HILLS,OK     | 1937            | 802 3                 | P            | 11                       | 367 A                        | 6-73                        |                            | CQ       | 1220                                   | RE      |
| 13N-03W-32DCD 2  | NICHOL HILLS,OK     | 1954            | 445 6                 | P            | 11                       |                              |                             |                            | CQ       | 1220                                   | R       |
| 13N-03W-34ADA 1  | NICHOL HILLS,OK     | 1966            | 750 3                 | P            | 11                       | 295 A                        | 6-73                        |                            | CQ       | 1130                                   | R       |
| 13N-03W-34BAA 1  | STATION WKY         |                 | 787 6                 | H            | 8                        | 300 G                        | 43                          |                            | CQ       | 1170                                   | QD      |
| 13N-03W-34BCC 1  | NICHOL HILLS,OK     | 1956            | 800 6                 | P            | 11                       | 239 A                        | 6-73                        | 170 4                      | CQ       | 1165                                   | R       |
| 13N-03W-34CAD 1  | NICHOL HILLS,OK     | 1956            | 760 3                 | P            | 11                       | 170 G                        | 9-56                        | 200 4                      | CQ       | 1150                                   | R       |
| 13N-03W-34CCC 1  | NICHOL HILLS,OK     | 1956            | 764 3                 | P            | 11                       | 257 A                        | 6-73                        | 205 4                      | CQ       | 1173                                   | R       |
| 13N-03W-35CCC 1  | NICHOL HILLS,OK     | 1962            | 750 6                 | P            | 11                       | 246 A                        | 6-73                        | 145 4                      | CQ       | 1125                                   | RD      |
| 13N-03W-35DBC 1  | GORDON              |                 | 102 0                 | H            |                          | 75 A                         | 9-62                        |                            | CQ       | 1145                                   |         |
| 13N-03W-35DCB 1  | HOLLAND             |                 | 58 0                  | S            | 5                        | 36 A                         | 9-62                        |                            | CQ       | 1130                                   |         |
| 13N-03W-35DCD 1  | NICHOL HILLS,OK     | 1962            | 750 6                 | P            | 11                       | 252 C                        | 6-73                        | 180 4                      | CQ       | 1120                                   | R       |
| 13N-03W-36CCC 1  | FOREMAN,J.          |                 | 122 0                 | H            | 6                        | 58 A                         | 9-62                        |                            | CQ       | 1125                                   |         |
| 13N-04W-04C 1    | LYNCH,G.            |                 | 750 6                 | S            | 10                       | 100 G                        | 56                          |                            | CQ       | 1130                                   |         |
| 13N-04W-11DDD 1  | HOLLOWAY,L.         |                 | 678 0                 | H            | 9                        | 100 G                        | 56                          |                            | CQ       | 1115                                   | D       |
| 13N-04W-12DDD 1  | DEARDEN, C.         |                 | 540 0                 | H            | 13                       | 149 A                        | 8-73                        |                            | CQ       | 1155                                   | QDE     |
| 13N-04W-22ADA 1  | GAYLORD FARMS       | 1933            | 465 3                 | H            | 10                       | 107 B                        | 9-73                        |                            | CQ       | 1125                                   | QD      |
| 13N-04W-25ABC 1  | BEAM,C.B.           | 1965            | 230 6                 | I            |                          |                              |                             |                            | CQ       |  | Q       |
| 13N-04W-28DBC 1  | STINCHCOMB,V.E      |                 | 630 6                 | H            | 8                        | 170 A                        | 6-50                        |                            | CQ       | 1175                                   |         |
| 14N-01E-05DDD 1  | HENSHAW, T.E.       |                 | 138 0                 | H            | 6                        | 50 0                         | 12-74                       |                            | CQ       | 980                                    | Q       |
| 14N-01E-07ABA 1  |                     |                 | 87 0                  | H            | 6                        | 66 A                         | 6-74                        |                            | CQ       | 1050                                   |         |
| 14N-01E-11ABC 1  |                     |                 | 127 0                 | S            | 8                        | 51 A                         | 6-74                        |                            | CQ       | 900                                    |         |
| 14N-01E-11BAB 1  |                     |                 | 85 0                  | U            | 5                        | 81 A                         | 11-56                       |                            | CQ       | 955                                    |         |
| 14N-01E-14DDC 1  |                     |                 | 47 0                  | U            | 6                        | 37 A                         | 11-74                       |                            | CQ       | 930                                    |         |
| 14N-01E-19AAD 1  | TYTENICZ ,J.        | 1944            | 59 0                  | H            | 5                        | 22 A                         | 11-74                       |                            | CQ       | 945                                    | Q       |
| 14N-01E-26DCD 1  | CARTER              |                 | 130 1                 | U            | 6                        | 64 A                         | 12-74                       |                            | CQ       | 1000                                   | Q       |
| 14N-01E-26DDD 1  |                     |                 | 144 1                 | U            | 6                        | 75 A                         | 12-74                       |                            | CQ       | 1025                                   |         |
| 14N-01E-278BD 1  | LUTHER,OK           |                 | 200 6                 | P            | 8                        | 41 A                         | 5-73                        |                            | CQ       | 926                                    |         |
| 14N-01E-278BD 2  | LUTHER,OK           | 1947            | 180 6                 | P            | 8                        | 69 A                         | 5-73                        |                            | CQ       | 960                                    |         |
| 14N-01E-28ADA 1  | ELDRIDGE,W.B.       | 1938            | 172 6                 | D            | 7                        | 30 G                         | 54                          |                            | CQ       | 910                                    | Q       |
| 14N-01E-35CBC 1  | ROOT, O.            |                 | 34 0                  | U            | 5                        | 3 A                          | 12-74                       |                            | CQ       | 915                                    | Q       |
| 14N-01W-01CCC 1  |                     |                 | 103 0                 | U            | 5                        | 79 A                         | 11-74                       |                            | CQ       | 1080                                   |         |
| 14N-01W-06DAD 1  | OLSON,L.            |                 | 300 6                 | U            |                          | 49 A                         | 11-56                       |                            | CQ       | 1090                                   |         |
| 14N-01W-08CBB 1  |                     |                 | 59 0                  | U            | 6                        | 51 A                         | 11-74                       |                            | CQ       | 1090                                   |         |
| 14N-01W-08DCD 1  | HATCH, D.R.         |                 | 62 0                  | U            | 6                        | 43 A                         | 6-74                        |                            | CQ       | 1015                                   |         |
| 14N-01W-09DDD 1  |                     |                 | 44 0                  | H            |                          | 24 A                         | 11-74                       |                            | CQ       | 1025                                   |         |
| 14N-01W-11DOB 1  | MCCULLY, L.         |                 | 116 0                 | H            | 6                        | 44 A                         | 6-74                        | 30                         | CQ       | 1050                                   | Q       |
| 14N-01W-168BD 1  | BAKE,A.W.           |                 | 40 0                  | H            | 5                        | 24 A                         | 11-56                       |                            | CQ       | 1095                                   |         |
| 14N-01W-20CBB 1  | ARCADIA CEM.        |                 | 43 0                  | P            |                          | 31 A                         | 11-56                       |                            | CQ       | 1040                                   |         |
| 14N-01W-21BCC 1  |                     | 1973            | 72 6                  | H            | 6                        | 64 A                         | 6-74                        |                            | CQ       | 1000                                   |         |

## OKLAHOMA COUNTY

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|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 14N-01W-218DC 1  |                     | 1971            | 130 6                 | I            |                          |                              |                             | 115                        | CQ       | 955                                    | Q       |
| 14N-01W-258BA 1  | VARNUM, J.          |                 | 73 6                  | H            | 5                        | 30 G                         | 56                          |                            | CQ       | 985                                    |         |
| 14N-01W-25CCD 1  | VARNUM, J.          |                 |                       | H            | 12                       | 48 A                         | 11-56                       |                            | CQ       | 9970                                   |         |
| 14N-01W-26AAA 1  |                     |                 | 16 0                  | H            | 6                        | 7 A                          | 6-74                        |                            | CQ       | 950                                    |         |
| 14N-01W-26AAC 1  |                     |                 | 55 0                  | S            | 6                        | 16 A                         | 6-74                        |                            | CQ       | 950                                    |         |
| 14N-01W-33DAA 1  | LAKE HIWASSEE       | 1971            | 360 3                 | P            | 11                       | 34 G                         | 9-71                        |                            | CQ       | 980                                    | D       |
| 14N-01W-33DBB 1  | LAKE HIWASSEE       | 1971            | 365 3                 | P            | 11                       | 20 G                         | 9-71                        | 322                        | CQ       | 980                                    | D       |
| 14N-02W-03ABB 1  | HINES, H.           | 1974            | 102 0                 | H            | 8                        | 67 A                         | 6-74                        |                            | CQ       | 1138                                   | Q       |
| 14N-02W-06CCB 1  | MAIER, G.           | 1930            | 130 6                 | H            | 6                        | 80 G                         | 10-73                       |                            | CQ       | 1200                                   |         |
| 14N-02W-098BB 1  |                     |                 | 40 0                  | S            | 48                       | 34 A                         | 4-54                        |                            | CQ       | 1090                                   |         |
| 14N-02W-09C8D 1  |                     | 1974            | 99 0                  | H            | 8                        | 62 A                         | 6-74                        |                            | CQ       | 1092                                   |         |
| 14N-02W-09CCC 1  |                     | 1974            | 122 0                 | H            | 8                        | 56 A                         | 11-74                       |                            | CQ       | 1105                                   |         |
| 14N-02W-09CCD 1  | FIELDS, B           | 1948            | 90 6                  | H            | 6                        |                              |                             |                            | CQ       | 1100                                   | Q       |
| 14N-02W-11CCC 1  |                     |                 | 30 1                  | U            | 4                        | 15 A                         | 11-73                       |                            | CQ       | 1070                                   |         |
| 14N-02W-17CBB 1  | HAR, -TURNER OIL    |                 | 160 6                 | N            |                          |                              |                             |                            | CQ       | 1110                                   | Q       |
| 14N-02W-17CDB 1  | HAR, -TURNER OIL    |                 | 635 6                 | N            | 10                       | 85 G                         | 43                          |                            | CQ       | 1120                                   | Q       |
| 14N-02W-18ADA 1  |                     |                 | 40 1                  | U            | 12                       | 29 A                         | 11-73                       |                            | CQ       | 1080                                   |         |
| 14N-02W-18BBB 1  |                     | 1974            | 104 0                 | H            | 8                        | 71 A                         | 12-74                       |                            | CQ       | 1055                                   | Q       |
| 14N-02W-18BCA 1  | O'BRIEN, MIKE       | 1972            | 166 0                 | H            | 8                        | 71 A                         | 6-74                        |                            | CQ       | 1150                                   |         |
| 14N-02W-20DDA 1  |                     |                 | 46 0                  | U            | 6                        | 41 A                         | 11-56                       |                            | CQ       | 1135                                   |         |
| 14N-02W-20DDA 2  |                     |                 | 104 0                 | H            | 6                        | 81 A                         | 11-74                       |                            | CQ       | 1150                                   | Q       |
| 14N-02W-20DDB 1  |                     | 1974            | 158 0                 | H            | 8                        | 72 A                         | 7-74                        |                            | CQ       | 1140                                   |         |
| 14N-02W-22CCC 1  | WYNN, J.O.          | 1956            | 142 6                 | H            | 6                        | 20 G                         | 56                          |                            | CQ       | 1070                                   |         |
| 14N-02W-23CDB 1  | EDMOND, OK          | 1974            | 420 3                 | N            | 11                       |                              |                             |                            | CQ       | 1010                                   | QR      |
| 14N-02W-24CCB 1  |                     |                 |                       | U            | 6                        | 21 A                         | 11-56                       |                            | CQ       | 1030                                   |         |
| 14N-02W-26BCC 1  | CONAWAY, F.         |                 | 90 0                  | H            | 6                        | 22 A                         | 11-74                       |                            | CQ       | 1053                                   | Q       |
| 14N-02W-29CCD 1  |                     |                 | 49 0                  | U            | 6                        | 39 A                         | 11-74                       |                            | CQ       | 1100                                   |         |
| 14N-02W-30BAA 1  | EDMOND, OK          | 1969            | 749 6                 | P            |                          | 247 G                        | 70                          | 225                        | CQ       | 1210                                   | Q       |
| 14N-02W-30BBC 1  | EDMOND, OK          | 1969            | 709 6                 | P            | 11                       | 188 G                        | 70                          | 175                        | CQ       | 1172                                   | D       |
| 14N-02W-31BCC 1  | EDMOND, OK          | 1972            | 644 3                 | P            | 11                       | 205 C                        | 9-73                        |                            | CQ       | 1095                                   | RD      |
| 14N-02W-35CCD 1  | LINDSAY, M.D.       | 1957            | 141 0                 | H            | 6                        | 72 A                         | 11-74                       |                            | CQ       | 1060                                   | Q       |
| 14N-03W-01CDD 1  |                     |                 | 77 1                  | S            |                          | 58 A                         | 12-74                       |                            | CQ       | 1178                                   |         |
| 14N-03W-01DDB 1  | MAIER, G.           |                 | 80 0                  | H            | 5                        | 45 A                         | 11-56                       |                            | CQ       | 1140                                   |         |
| 14N-03W-03CCA 1  |                     |                 | 121 0                 | U            | 5                        | 80 A                         | 11-74                       |                            | CQ       | 1145                                   |         |
| 14N-03W-03DCA 1  | OAK TREE PROP.      | 1973            | 410 3                 | C            | 15                       | 91 A                         | 11-74                       | 200                        | CQ       | 1136                                   | QE      |
| 14N-03W-06DBB 1  | MCGILL, J.L.        |                 |                       | U            | 10                       | 73 A                         | 8-73                        |                            | CQ       | 1075                                   |         |
| 14N-03W-06DCC 1  | MCGILL, J.L.        | 1944            | 650 6                 | U            | 11                       | 126 A                        | 8-73                        |                            | CQ       | 1100                                   | E       |
| 14N-03W-07DCB 1  | JOHNSON, B.         |                 | 120 6                 | H            | 6                        | 85 G                         | 56                          |                            | CQ       | 1095                                   |         |
| 14N-03W-09DAA 1  |                     | 1974            | 260 6                 | H            | 8                        | 65 G                         | 12-74                       |                            | CQ       | 1060                                   | Q       |
| 14N-03W-09DDB 1  |                     | 1973            | 90 0                  | H            | 8                        | 26 A                         | 12-74                       |                            | CQ       | 1050                                   | Q       |
| 14N-03W-13DBC 1  | FRAZIER, K.         | 1974            | 128 0                 | H            | 6                        | 88 A                         | 12-74                       |                            | CQ       | 1065                                   | Q       |
| 14N-03W-14BBB 1  | KIRKPATRICK, J.     |                 | 47 0                  | H            | 6                        | 35 A                         | 11-56                       |                            | CQ       | 1117                                   |         |



## OKLAHOMA COUNTY

| WELL<br>LOCATION | OWNER<br>OR<br>USER | YEAR<br>DRILLED | WELL<br>DEPTH<br>(FT) | WATER<br>USE | WELL<br>DIAMETER<br>(IN) | DEPTH<br>TO<br>WATER<br>(FT) | DATE<br>MEASURED<br>(MO-YR) | WELL<br>YIELD<br>(GAL/MIN) | AQUIFERS | ALTITUDE<br>OF LAND<br>SURFACE<br>(FT) | REMARKS |
|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 14N-03W-14DCC 1  |                     |                 | 83 0                  | S            | 5                        | 72 A                         | 12-74                       |                            | CQ       | 1183                                   |         |
| 14N-03W-15AAA 1  |                     |                 | 39 0                  | H            | 36                       | 30 A                         | 11-56                       |                            | CQ       | 1100                                   |         |
| 14N-03W-16DAB 1  | KIETH, E.           | 1974            | 152 0                 | H            | 8                        | 79 A                         | 12-74                       |                            | CQ       | 1126                                   | Q       |
| 14N-03W-17AAA 1  |                     |                 | 45 1                  | S            | 5                        | 37 A                         | 11-74                       |                            | CQ       | 1075                                   |         |
| 14N-03W-17CBC 1  | DEER CREEK W.D.     | 1971            | 540 6                 | P            | 8                        | 171 A                        | 8-73                        |                            | CQ       | 1085                                   |         |
| 14N-03W-21DDD 1  |                     |                 | 114 0                 | U            | 6                        | 70 A                         | 12-74                       |                            | CQ       | 1140                                   |         |
| 14N-03W-25D8A 1  | EDMOND, OK          | 1957            | 750 6                 | P            | 11                       |                              |                             | 200                        | CQ       | 1224                                   | R       |
| 14N-03W-25DCC 1  | EDMOND, OK          | 1971            | 712 6                 | P            | 11                       | 412 C                        | 9-73                        |                            |          | 1174                                   | R       |
| 14N-03W-25DDA 1  | EDMOND, OK          | 1966            | 750 6                 | P            | 11                       | 230 G                        | 70                          | 200                        | GQ       | 1183                                   |         |
| 14N-03W-26CBB 1  | EDMOND, OK          | 1972            | 630 3                 | P            | 11                       | 94 D                         | 7-72                        |                            | CQ       | 1160                                   | RD      |
| 14N-03W-26CDD 1  | EDMOND, OK          | 1952            | 743 6                 | P            | 11                       |                              |                             | 275                        | CQ       | 1190                                   |         |
| 14N-03W-26DAC 1  | EDMOND, OK          | 1930            | 457 6                 | P            | 12                       | 138 A                        | 11-49                       | 300                        | CQ       | 1188                                   | QD      |
| 14N-03W-26DDC 1  | EDMOND, OK          | 1929            | 410 6                 | P            | 12                       | 170 G                        | 70                          | 175                        | CQ       | 1198                                   | D       |
| 14N-03W-30CCB 1  | MCGEE KEESE         |                 | 600 6                 | H            | 8                        | 146 A                        | 8-73                        |                            | CQ       | 1140                                   |         |
| 14N-03W-30DDD 1  | MCGEE KEESE         |                 | 134 1                 | U            | 6                        | 92 A                         | 12-73                       |                            | CQ       | 1115                                   |         |
| 14N-03W-31AAA 1  | SMITHS GROCERY      |                 | 94 1                  | H            | 6                        | 84 A                         | 12-73                       |                            | CQ       | 1116                                   |         |
| 14N-03W-31ACC 1  | MIDCONT. PET. CO.   |                 | 800 6                 | H            | 8                        | 175 G                        | 43                          |                            | CQ       | 1135                                   |         |
| 14N-03W-318BA 1  | PHILLIPS PET. CO    | 1936            | 600 6                 | N            | 8                        | 150 G                        | 56                          |                            | CQ       | 1135                                   | Q       |
| 14N-03W-34DDA 1  | EDMOND, OK          | 1973            | 669 3                 | P            | 11                       | 153 C                        | 9-73                        |                            | CQ       | 1150                                   | RD      |
| 14N-03W-35AAD 1  | EDMOND, OK          | 1952            | 735 6                 | P            | 11                       | 210 G                        | 8-46                        | 150                        | CQ       | 1190                                   |         |
| 14N-03W-35AAD 2  | EDMOND, OK          | 1952            | 450 6                 | P            | 11                       | 130 G                        | 12-70                       | 150                        | CQ       | 1190                                   | GN      |
| 14N-03W-35ABA 1  | EDMOND, OK          | 1941            | 731 6                 | P            | 11                       | 152 G                        | 41                          | 175                        | CQ       | 1198                                   | QD      |
| 14N-03W-35ABB 1  | EDMOND, OK          | 1910            | 400 6                 | P            | 12                       | 175 G                        | 39                          |                            | CQ       | 1198                                   | Q       |
| 14N-03W-35ABD 1  | EDMOND, OK          | 1938            | 648 6                 | P            | 11                       | 132 A                        | 2-43                        | 300                        | CQ       | 1198                                   | DG      |
| 14N-03W-35ACA 1  | EDMOND, OK          | 1954            | 470 6                 | P            | 11                       | 180 G                        | 70                          | 260                        | CQ       | 1188                                   | R       |
| 14N-03W-35DCD 1  | EDMOND, OK          | 1964            | 746 6                 | P            | 10                       | 245 G                        | 70                          | 250                        | CQ       | 1186                                   | R       |
| 14N-04W-10BAB 1  | SOHIO PET. CO.      | 1963            | 983 3                 | R            | 11                       |                              |                             |                            | CQ       | 1090                                   | J       |
| 14N-04W-14AAB 1  | KING, JOHN          |                 | 105 0                 | H            | 6                        | 16 A                         | 6-74                        |                            | CQ       | 1040                                   |         |
| 14N-04W-14BBC 1  | KING, JOHN          |                 | 204 0                 | S            | 6                        | 66 A                         | 6-74                        |                            | CQ       | 1070                                   |         |
| 14N-04W-16ABA 1  | SOHIO PET. CO.      |                 | 969 3                 | R            | 11                       |                              |                             |                            |          |  | J       |
| 14N-04W-21BAA 1  | SOHIO PET. CO.      | 1963            | 1038 3                | R            | 11                       |                              |                             |                            | CQ       | 1070                                   | J       |
| 14N-04W-22BDB 1  | SOHIO PET. CO.      | 1964            | 955 3                 | R            | 11                       |                              |                             |                            | CQ       | 1070                                   | J       |
| 14N-04W-24DCC 1  |                     |                 | 93 0                  | S            | 5                        | 60 A                         | 11-74                       |                            | CQ       | 1095                                   |         |
| 14N-04W-25DDC 1  | CRAVENS, R.D.       |                 | 600 6                 | H            |                          | 147 G                        | 56                          |                            | CQ       | 1135                                   |         |
| 14N-04W-34CCD 1  | CARGEL, D.          | 1944            | 500 6                 | H            | 9                        | 112 A                        | 7-45                        |                            | CQ       | 1115                                   |         |

## LOGAN COUNTY

| WELL<br>LOCATION | OWNER<br>OR<br>USER | YEAR<br>DRILLED | WELL<br>DEPTH<br>(FT) | WATER<br>USE | WELL<br>DIAMETER<br>(IN) | DEPTH<br>TO<br>WATER<br>(FT) | DATE<br>MEASURED<br>(MO-YR) | WELL<br>YIELD<br>(GAL/MIN) | AQUIFERS | ALTITUDE<br>OF LAND<br>SURFACE<br>(FT) | REMARKS |
|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 15N-01E-02ABA 1  | RIDLEY, R.          |                 | 97 0                  | H            | 6                        | 20 A                         | 12-74                       |                            | CQ       | 930                                    | Q       |
| 15N-01E-03CCB 1  |                     |                 | 74 0                  | U            | 5                        | 40 A                         | 12-74                       |                            | CQ       | 1000                                   | Q       |
| 15N-01E-11CCC 1  | SCHOOL              |                 | 56 0                  | U            | 6                        | 41 A                         | 2-71                        |                            | CQ       | 1020                                   |         |
| 15N-01E-18BCB 1  | MOORE, T.           |                 | 65 0                  | H            |                          | 18 G                         | 2-71                        |                            | CQ       |  | Q       |
| 15N-01E-20BAA 1  |                     |                 | 25 0                  | U            | 8                        | 8 A                          | 6-74                        |                            | CQ       | 1025                                   |         |
| 15N-01E-24BBD 1  |                     |                 | 84 1                  | U            |                          | 61 A                         | 6-74                        |                            | CQ       | 985                                    |         |
| 15N-01E-26AAD 1  | HAWORTH, L.C.       | 1966            | 150 6                 | H            | 6                        | 47 A                         | 12-74                       |                            | CQ       | 955                                    | Q       |
| 15N-01E-348BA 1  |                     |                 | 55 0                  | U            | 6                        | 41 A                         | 10-70                       |                            | CQ       | 930                                    |         |
| 15N-01E-34CCC 1  | BRISCOE, L.         |                 | 65 6                  | H            | 6                        | 16 A                         | 12-74                       |                            | CQ       | 920                                    | Q       |
| 15N-01W-05CBB 1  | SCHULTZ             |                 | 207 0                 | H            | 6                        | 68 A                         | 12-74                       |                            | CQ       | 1162                                   | Q       |
| 15N-01W-15DAC 1  |                     |                 | 70 0                  | U            | 36                       | 42 A                         | 2-71                        |                            | CQ       | 1085                                   |         |
| 15N-01W-15DAD 1  |                     |                 | 53 0                  | H            | 24                       | 33 A                         | 7-74                        |                            | CQ       | 1085                                   |         |
| 15N-01W-20BCB 1  |                     |                 | 36 0                  | U            | 10                       | 32 A                         | 11-74                       |                            | CQ       | 1225                                   | Q       |
| 15N-01W-20DCD 1  |                     |                 | 31 0                  | S            | 4                        | 11 A                         | 11-74                       |                            | CQ       | 1200                                   | Q       |
| 15N-01W-23DAA 1  |                     | 1974            | 149 0                 | H            | 6                        | 94 A                         | 11-74                       |                            | CQ       | 1125                                   | Q       |
| 15N-01W-29CCA 1  |                     |                 | 138 0                 | U            | 6                        | 65 A                         | 12-74                       |                            | CQ       | 1130                                   |         |
| 15N-01W-318BD 1  | BRADY, M.M.         |                 |                       | N            | 8                        | 101 A                        | 11-56                       |                            | CQ       | 1165                                   |         |
| 15N-02W-01CDC 1  |                     |                 | 36 0                  | U            | 6                        | 31 A                         | 2-71                        |                            | CQ       | 1170                                   |         |
| 15N-02W-02DAA 1  |                     |                 | 152 0                 | U            | 6                        | 57 A                         | 12-74                       |                            | CQ       | 1190                                   | Q       |
| 15N-02W-03AAB 1  | WEEKS, JERRY        |                 | 66 0                  | P            | 8                        | 46 A                         | 6-74                        |                            | CQ       | 1123                                   | Q       |
| 15N-02W-03CBB 1  |                     |                 | 68 0                  | U            | 6                        | 48 A                         | 7-74                        |                            | CQ       | 1102                                   |         |
| 15N-02W-04BBB 1  |                     |                 | 69 0                  | S            |                          | 49 A                         | 11-74                       |                            | CQ       | 1068                                   |         |
| 15N-02W-09BAB 1  |                     |                 | 46 0                  | U            | 8                        | 13 A                         | 2-71                        |                            | CQ       | 1010                                   |         |
| 15N-02W-10BCD 1  |                     | 1974            | 39 0                  | H            | 8                        | 25 A                         | 6-74                        |                            | CQ       | 1070                                   |         |
| 15N-02W-12CCC 1  | OAK RIDGE CH.       | 1965            | 91 0                  | H            | 6                        | 88 A                         | 6-74                        |                            | CQ       | 1255                                   |         |
| 15N-02W-16CCC 1  | LEHMAN, E.          |                 | 128 0                 | H            | 6                        | 91 A                         | 11-74                       |                            | CQ       | 1184                                   | Q       |
| 15N-02W-17DCD 1  |                     | 1973            | 198 0                 | H            | 8                        | 93 A                         | 11-74                       |                            | CQ       | 1155                                   | Q       |
| 15N-02W-20BBC 1  |                     |                 | 51 0                  | H            | 6                        | 32 A                         | 11-74                       |                            | CQ       | 1080                                   | Q       |
| 15N-02W-26DAA 1  |                     | 1974            | 98 0                  | H            |                          | 63 A                         | 11-74                       |                            | CQ       | 1200                                   |         |
| 15N-02W-32ABA 1  |                     |                 | 42 0                  | U            |                          | 31 A                         | 2-71                        |                            | CQ       | 1180                                   |         |
| 15N-02W-32DAD 1  |                     | 1974            | 152 0                 | H            | 8                        | 96 A                         | 6-74                        |                            | CQ       | 1180                                   |         |
| 15N-02W-33DAA 1  |                     |                 | 106 1                 | S            | 8                        | 55 A                         | 7-74                        |                            | CQ       | 1127                                   |         |
| 15N-03W-01DAC 1  | GUTHRIE, OK         | 1948            | 98 0                  | P            | 8                        | 16 A                         | 11-74                       |                            | CQ       | 1012                                   | Q       |
| 15N-03W-06CDD 1  |                     |                 | 64 0                  | T            | 6                        | 30 A                         | 11-74                       |                            | CQ       | 1055                                   |         |
| 15N-03W-11BAB 1  | HAM, R.             |                 | 100 0                 | H            | 6                        | 20 A                         | 11-74                       | 28                         | CQ       | 980                                    | Q       |
| 15N-03W-11DAD 1  |                     | 1974            | 122 0                 | H            | 8                        | 78 A                         | 11-74                       |                            | CQ       | 1070                                   |         |
| 15N-03W-15AAA 1  |                     |                 | 35 0                  | U            | 8                        | 26 A                         | 11-74                       |                            | CQ       | 1004                                   | Q       |
| 15N-03W-17BDD 1  |                     |                 | 102 0                 | U            | 6                        | 31 A                         | 5-74                        |                            | CQ       | 1000                                   | Q       |
| 15N-03W-19CBB 1  |                     |                 |                       | H            |                          | 20 A                         | 11-59                       |                            | CQ       | 995                                    |         |
| 15N-03W-27BBA 1  |                     |                 | 55 0                  | H            | 8                        | 46 A                         | 6-74                        |                            | CQ       | 1115                                   |         |
| 15N-03W-30DDD 1  |                     | 1931            | 54 0                  | H            |                          | 4 A                          | 11-74                       |                            | CQ       | 1048                                   | Q       |

## LOGAN COUNTY

| WELL<br>LOCATION | OWNER<br>OR<br>USER | YEAR<br>DRILLED | WELL<br>DEPTH<br>(FT) | WATER<br>USE | WELL<br>DIAMETER<br>(IN) | DEPTH<br>TO<br>WATER<br>(FT) | DATE<br>MEASURED<br>(MO-YR) | WELL<br>YIELD<br>(GAL/MIN) | AQUIFERS | ALTITUDE<br>OF LAND<br>SURFACE<br>(FT) | REMARKS |
|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 15N-03W-32DOB 1  | MARTIN, S.          |                 |                       | S            | 48                       | 36 A                         | 11-56                       |                            | CQ       | 1070                                   |         |
| 15N-03W-33ACA 1  |                     | 1974            | 141 0                 | H            | 8                        | 48 A                         | 11-74                       |                            | CQ       | 1050                                   | Q       |
| 15N-03W-33ADD 1  |                     | 1974            | 99 0                  | H            | 8                        | 22 A                         | 6-74                        |                            | CQ       | 1042                                   | Q       |
| 15N-03W-36BDA 1  | FRAIN, A.           |                 | 30 0                  | H            | 36                       | 23 A                         | 6-74                        |                            | CQ       | 1114                                   |         |
| 15N-04W-02BBB 1  |                     |                 | 48 0                  | U            | 36                       | 35 A                         | 11-70                       |                            | CQ       | 1085                                   |         |
| 15N-04W-02CCC 1  |                     |                 | 150 1                 | U            | 8                        | 54 A                         | 6-74                        |                            | CQ       | 1092                                   |         |
| 15N-04W-09AAB 1  |                     | 1946            | 59 0                  | H            | 6                        | 19 A                         | 11-74                       |                            | CQ       | 1080                                   | Q       |
| 15N-04W-11AAA 1  |                     |                 | 36 1                  | U            | 8                        | 9 A                          | 6-74                        |                            | CQ       | 1067                                   |         |
| 15N-04W-12DAA 1  |                     |                 | 110 1                 | S            | 8                        | 32 A                         | 6-74                        |                            | CQ       | 1028                                   |         |
| 15N-04W-16DDA 1  |                     |                 | 52 0                  | H            | 10                       | 13 A                         | 11-74                       |                            | CQ       | 1024                                   | Q       |
| 15N-04W-17ADD 1  |                     |                 | 25 0                  | S            | 30                       | 10 A                         | 11-70                       |                            | CQ       | 1040                                   |         |
| 15N-04W-24BBC 1  |                     | 1974            | 136 1                 | S            | 8                        | 30 A                         | 6-74                        |                            | CQ       | 1020                                   | Q       |
| 15N-04W-25BAC 1  |                     |                 | 112 0                 | U            | 8                        | 76 A                         | 5-74                        |                            | CQ       | 1075                                   |         |
| 15N-04W-29ABA 1  |                     |                 | 150 1                 | S            | 8                        | 63 A                         | 6-74                        |                            | CQ       | 1070                                   | Q       |
| 15N-04W-35CDC 1  |                     |                 | 55 0                  | U            | 5                        | 20 A                         | 10-59                       |                            | CQ       | 1035                                   |         |
| 15N-04W-36CCB 1  |                     |                 | 74 1                  | H            | 10                       | 42 A                         | 6-74                        |                            | CQ       | 1047                                   |         |
| 16N-01E-01BAA 1  |                     |                 | 38 0                  | U            | 6                        | 9 A                          | 6-74                        |                            | CQ       | 945                                    |         |
| 16N-01E-04CDD 1  |                     |                 | 80 0                  | U            | 6                        | 54 A                         | 10-70                       |                            | CQ       | 1040                                   |         |
| 16N-01E-04DOB 1  |                     |                 | 131 0                 | H            | 6                        | 80 A                         | 7-74                        |                            | CQ       | 1050                                   |         |
| 16N-01E-08CDD 1  |                     |                 | 33 0                  | S            | 6                        | 15 A                         | 11-74                       |                            | CQ       | 1080                                   | Q       |
| 16N-01E-11DDA 1  |                     |                 | 80 0                  | H            | 6                        | 18 A                         | 11-74                       |                            | CQ       | 1082                                   | Q       |
| 16N-01E-18DDC 1  |                     |                 | 65 0                  | S            | 6                        | 47 A                         | 10-70                       |                            | CQ       | 1115                                   |         |
| 16N-01E-20BBB 1  |                     |                 | 84 0                  | H            | 6                        | 49 A                         | 7-74                        |                            | CQ       | 1038                                   |         |
| 16N-01E-20CCC 1  |                     |                 | 45 0                  | H            | 6                        | 17 A                         | 12-74                       |                            | CQ       | 970                                    | Q       |
| 16N-01E-28ADD 1  |                     |                 | 64 0                  | U            | 6                        | 28 A                         | 10-70                       |                            | CQ       | 960                                    |         |
| 16N-01E-35BCB 1  |                     |                 | 58 0                  | U            | 6                        | 24 A                         | 5-74                        |                            | CQ       | 970                                    | Q       |
| 16N-01W-01AAB 1  |                     |                 | 32 1                  | U            | 8                        | 16 A                         | 7-74                        |                            | CQ       | 1040                                   |         |
| 16N-01W-02BBB 1  |                     |                 | 41 0                  | U            | 6                        | 23 A                         | 12-74                       |                            | CQ       | 1050                                   |         |
| 16N-01W-05DDA 1  |                     | 1918            | 39 0                  | S            | 6                        | 2 A                          | 12-74                       |                            | CQ       | 1062                                   |         |
| 16N-01W-07CDC 1  |                     |                 | 31 0                  | U            | 6                        | 19 A                         | 2-71                        |                            | CQ       | 1160                                   |         |
| 16N-01W-10BAB 1  |                     |                 | 129 0                 | S            | 6                        | 77 A                         | 7-74                        |                            | CQ       | 1173                                   |         |
| 16N-01W-10DCU 1  |                     |                 | 59 0                  | U            | 6                        | 50 A                         | 2-71                        |                            | CQ       | 1100                                   |         |
| 16N-01W-18ABA 1  |                     |                 | 90 0                  | S            | 6                        | 23 A                         | 12-74                       |                            | CQ       | 1185                                   | Q       |
| 16N-01W-19BBB 1  |                     |                 | 15 0                  | H            | 60                       | 10 A                         | 12-74                       |                            | CQ       | 1170                                   |         |
| 16N-01W-29AAA 1  |                     |                 | 138 0                 | H            | 6                        | 34 A                         | 12-74                       |                            | CQ       | 1032                                   | Q       |
| 16N-01W-34BBB 1  |                     |                 | 62 0                  | U            |                          | 47 A                         | 7-74                        |                            | CQ       | 1140                                   |         |
| 16N-01W-34BBC 1  |                     |                 | 42 0                  | U            | 10                       | 36 A                         | 2-71                        |                            | CQ       | 1150                                   |         |
| 16N-01W-36CBC 1  |                     |                 | 29 0                  | U            | 6                        | 8 A                          | 7-74                        |                            | CQ       | 1075                                   |         |
| 16N-02W-07CAC 1  |                     |                 | 24 0                  | U            |                          | 23 A                         | 11-59                       |                            | CQ       | 1050                                   |         |
| 16N-02W-12BBB 1  |                     |                 | 41 0                  | P            | 6                        | 10 A                         | 12-74                       |                            | CQ       | 1080                                   | Q       |
| 16N-02W-14CBC 1  |                     |                 | 51 0                  | U            | 8                        | 36 A                         | 5-74                        |                            | CQ       | 1090                                   |         |
| 16N-02W-15DBB 1  |                     |                 | 64 0                  | U            | 8                        | 59 A                         | 6-74                        |                            | CQ       | 1068                                   |         |



## LOGAN COUNTY

| WELL<br>LOCATION | OWNER<br>OR<br>USER | YEAR<br>DRILLED | WELL<br>DEPTH<br>(FT) | WATER<br>USE | WELL<br>DIAMETER<br>(IN) | DEPTH<br>TO<br>WATER<br>(FT) | DATE<br>MEASURED<br>(MO-YR) | WELL<br>YIELD<br>(GAL/MIN) | AQUIFERS | ALTITUDE<br>OF LAND<br>SURFACE<br>(FT) | REMARKS |
|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
|                  |                     |                 |                       |              |                          |                              |                             |                            |          |  |         |
| 16N-02W-21BDC 1  | GUTHRIE AIRPORT     |                 | 160 0                 | P            | 6                        | 80 A                         | 11-74                       |                            | CQ       | 1061                                   | Q       |
| 16N-02W-25DCC 1  |                     |                 | 66 1                  | H            |                          | 16 A                         | 12-74                       |                            | CQ       | 1195                                   | Q       |
| 16N-02W-28AC 1   | GUTHRIE AIRPORT     | 1949            | 176 6                 | P            | 6                        | 57 G                         | 11-49                       | 16                         | CQ       | 1063                                   | QD      |
| 16N-02W-29CA 1   | GROOM, J.E.         | 1970            | 235 6                 |              |                          |                              |                             |                            | CQ       | 1000                                   | Q       |
| 16N-02W-32DAB 1  |                     | 1974            | 102 0                 | H            | 8                        | 36 A                         | 11-74                       |                            | CQ       | 1030                                   | Q       |
| 16N-02W-32DBA 1  |                     | 1974            | 148 0                 | H            | 8                        | 45 A                         | 6-74                        |                            | CQ       | 1025                                   | Q       |
| 16N-02W-33CCD 1  |                     |                 | 81 0                  | S            | 8                        | 43 A                         | 6-74                        |                            | CQ       | 1068                                   | Q       |
| 16N-03W-04BAA 1  |                     |                 | 83 1                  | U            | 6                        | 38 A                         | 6-74                        |                            | CQ       | 965                                    |         |
| 16N-03W-04UDB 1  | BROSS, BUD          | 1968            | 125 1                 | H            | 6                        | 69 A                         | 5-74                        | 20                         | CQ       | 1025                                   | Q       |
| 16N-03W-05AAB 1  |                     |                 | 88 0                  | S            | 10                       | 26 A                         | 6-74                        |                            | CQ       | 955                                    |         |
| 16N-03W-09AAD 1  |                     |                 | 68 0                  | H            | 8                        | 55 A                         | 11-70                       |                            | CQ       | 1030                                   |         |
| 16N-03W-11DDD 1  |                     |                 | 112 0                 | S            | 10                       | 65 A                         | 5-74                        |                            | CQ       | 1038                                   | Q       |
| 16N-03W-14BBA 1  |                     |                 | 56 0                  | S            | 6                        | 32 A                         | 5-74                        |                            | CQ       | 995                                    |         |
| 16N-03W-17ABA 1  |                     |                 | 32 0                  | H            | 8                        | 19 A                         | 11-74                       |                            | CQ       | 1015                                   | Q       |
| 16N-03W-18ADA 1  | MARTIN, D.          | 1974            | 250 6                 | P            | 8                        | 75 G                         | 74                          | 40                         | CQ       | 1065                                   |         |
| 16N-03W-18ADD 1  | HARMONY CHURCH      |                 | 125 6                 | T            | 6                        |                              |                             |                            | CQ       | 1060                                   | Q       |
| 16N-03W-21AAD 1  |                     |                 | 112 0                 | S            | 8                        | 67 A                         | 6-74                        |                            | CQ       | 1078                                   |         |
| 16N-03W-25CAC 2  | FRUENDT, H.         |                 | 32 0                  | U            | 6                        | 25 A                         | 11-70                       |                            | CQ       | 1015                                   |         |
| 16N-03W-25DAD 1  | FRUENDT, H.         |                 | 200 6                 | H            | 8                        | 55 G                         | 11-70                       | 60                         | CQ       | 970                                    | Q       |
| 16N-03W-29BBC 1  |                     |                 | 57 0                  | H            | 6                        | 28 A                         | 11-74                       |                            | CQ       | 1040                                   |         |
| 16N-03W-32AAD 1  |                     |                 | 46 0                  | U            | 36                       | 34 A                         | 11-70                       |                            | CQ       | 1090                                   |         |
| 16N-03W-34BBC 1  |                     |                 | 48 1                  | U            | 8                        | 25 A                         | 5-74                        |                            | CQ       | 1068                                   |         |
| 16N-03W-34BCB 1  |                     |                 | 56 1                  | S            | 8                        | 26 A                         | 5-74                        |                            | CQ       | 1060                                   |         |
| 16N-03W-35ADD 1  | BRADY, M.M.         |                 | 42 0                  | S            |                          | 21 A                         | 11-59                       |                            | CQ       | 975                                    |         |
| 16N-04W-10DDC 1  |                     |                 | 62 1                  | S            | 6                        | 42 A                         | 6-74                        |                            | CQ       | 970                                    |         |
| 16N-04W-14AAA 1  |                     | 1973            | 91 0                  | H            | 8                        | 55 A                         | 11-74                       | 5                          | CQ       | 1024                                   | Q       |
| 16N-04W-14BAA 1  |                     |                 | 68 0                  | U            | 6                        | 40 A                         | 11-70                       |                            | CQ       | 1010                                   |         |
| 16N-04W-15CCD 1  |                     |                 | 15 0                  | H            | 60                       | 12 A                         | 11-74                       |                            | CQ       | 982                                    | Q       |
| 16N-04W-27DCD 1  |                     |                 | 47 0                  | H            | 5                        | 18 A                         | 6-74                        |                            | CQ       | 1055                                   |         |
| 16N-04W-29BCD 1  |                     |                 | 86 1                  | U            |                          | 18 A                         | 6-74                        |                            | CQ       | 1047                                   |         |
| 16N-04W-36ABB 1  |                     |                 | 76 0                  | U            | 6                        | 37 A                         | 2-71                        |                            | CQ       | 1065                                   |         |
| 17N-01E-19ADD 1  |                     |                 | 46 0                  | U            | 6                        | 9 A                          | 11-74                       |                            | CQ       | 930                                    | Q       |
| 17N-01E-24BCB 1  |                     |                 | 15 0                  | U            | 96                       | 7 A                          | 5-74                        |                            | CQ       | 980                                    |         |
| 17N-01E-24CCC 1  |                     |                 | 52 0                  | U            | 6                        | 36 A                         | 11-74                       |                            | CQ       | 990                                    | Q       |
| 17N-01E-28DAA 1  |                     |                 | 33 0                  | U            | 6                        | 15 A                         | 11-74                       |                            | CQ       | 900                                    | Q       |
| 17N-01E-29DAD 1  |                     |                 | 46 0                  | U            | 6                        | 30 A                         | 5-74                        |                            | CQ       | 920                                    |         |
| 17N-01E-29DDA 1  |                     |                 | 96 6                  | H            | 6                        | 40 G                         | 10-70                       | 13                         | CQ       | 960                                    |         |
| 17N-01E-30CCB 1  |                     |                 | 53 2                  | H            |                          | 21 A                         | 7-74                        |                            | CQ       | 955                                    |         |
| 17N-01E-36AAD 1  |                     |                 | 60 0                  | U            | 8                        | 23 A                         | 11-64                       |                            | CQ       | 945                                    |         |
| 17N-01W-04CCD 1  |                     |                 | 14 0                  | U            | 72                       | 11 A                         | 2-71                        |                            | CQ       | 1000                                   |         |
| 17N-01W-07CCC 1  |                     | 1923            | 46 1                  | U            | 6                        | 17 A                         | 5-74                        |                            | CQ       | 1033                                   |         |
| 17N-01W-08BAB 1  |                     |                 | 24 0                  | U            | 5                        | 13 A                         | 5-74                        |                            | CQ       | 995                                    |         |

## LOGAN COUNTY

| WELL<br>LOCATION | OWNER<br>OR<br>USER | YEAR<br>DRILLED | WELL<br>DEPTH<br>(FT) | WATER<br>USE | WELL<br>DIAMETER<br>(IN) | DEPTH<br>TO<br>WATER<br>(FT) | DATE<br>MEASURED<br>(MO-YR) | WELL<br>YIELD<br>(GAL/MIN) | AQUIFERS | ALTITUDE<br>OF LAND<br>SURFACE<br>(FT) | REMARKS |
|------------------|---------------------|-----------------|-----------------------|--------------|--------------------------|------------------------------|-----------------------------|----------------------------|----------|--|---------|
| 17N-01W-21CBA 1  | BROWN               | 1974            | 92 1                  | H            | 6                        | 58 A                         | 7-74                        |                            | CQ       | 1075                                   |         |
| 17N-01W-21CB8 1  |                     |                 | 186 0                 | H            | 6                        | 108 A                        | 11-74                       |                            | CQ       | 1082                                   | Q       |
| 17N-01W-268CB 1  |                     |                 | 24 0                  | U            |                          | 19 A                         | 2-71                        |                            | CQ       | 970                                    |         |
| 17N-01W-32AB8 1  |                     |                 | 51 0                  | H            | 8                        | 46 A                         | 7-74                        |                            | CQ       | 1082                                   |         |
| 17N-01W-32BAB 1  |                     |                 | 49 0                  | H            | 6                        | 44 A                         | 2-71                        |                            | CQ       | 1110                                   |         |
| 17N-01W-35B88 1  |                     |                 | 45 0                  | U            | 36                       | 4 A                          | 12-74                       |                            | CQ       | 1032                                   |         |
| 17N-02W-02DCD 1  |                     |                 | 23 0                  | U            | 6                        | 20 A                         | 2-71                        |                            | CQ       | 990                                    |         |
| 17N-02W-14BCB 1  |                     |                 | 30 0                  | U            | 6                        | 24 A                         | 2-71                        |                            | CQ       | 970                                    |         |
| 17N-02W-15DDD 1  |                     |                 | 48 0                  | U            | 6                        | 44 A                         | 5-75                        |                            | CQ       | 970                                    |         |
| 17N-02W-22CDB 1  |                     |                 | 78 1                  | U            | 8                        | 39 A                         | 5-74                        |                            | CQ       | 990                                    | Q       |
| 17N-02W-34AAA 1  |                     | 1974            | 200 6                 | H            | 6                        | 67 A                         | 11-74                       |                            | CQ       | 1018                                   | Q       |
| 17N-02W-34DAA 1  |                     | 1974            | 190 6                 | H            | 6                        | 27 A                         | 11-74                       |                            | CQ       | 980                                    | Q       |

## EXPLANATION OF INFORMATION IN TABLE 2

WELL-NUMBERING SYSTEM IS GIVEN IN EXPLANATION FOR TABLE 1.

DATE - DATE SAMPLE COLLECTED

### EXPLANATION OF ABBREVIATIONS:

ALL CONSTITUENTS ARE IN MILLIGRAMS PER LITER, (MG/L),  
UNLESS OTHERWISE NOTED.

|         |   |
|---------|---|
| B       | - BORON, MICROGRAMS PER LITER (UG/L)            |
| CA      | - CALCIUM                                       |
| CL      | - CHLORIDE                                      |
| CU3     | - CARBONATE                                     |
| DEPTH   | - IN FEET BELOW LAND SURFACE                    |
| DS CAL  | - DISSOLVED SOLIDS, CALCULATED                  |
| DS ROE  | - DISSOLVED SOLIDS, RESIDUE ON EVAPORATION      |
| F       | - FLUORIDE                                      |
| FE      | - IRON, MICROGRAMS PER LITER (UG/L)             |
| HARD    | - HARDNESS                                      |
| HARD NC | - HARDNESS, NON-CARBONATE                       |
| HCO3    | - BICARBONATE                                   |
| K       | - POTASSIUM                                     |
| MG      | - MAGNESIUM                                     |
| NA      | - SODIUM  |
| NA + K  | - SODIUM PLUS POTASSIUM                         |
| NO2+NO3 | - NITRITE PLUS NITRATE                          |
| NO3     | - NITRATE                                       |
| PH      | - HYDROGEN-ION ACTIVITY                         |
| SIO2    | - SILICATE                                      |
| SO4     | - SULFATE                                       |
| SP COND | - SPECIFIC ELECTRICAL CONDUCTANCE, IN MICROMHOS |
| TEMP *C | - TEMPERATURE, IN DEGREES CELSIUS (CENTIGRADE)  |

TABLE 2.--CHEMICAL ANALYSES OF GROUND WATER FROM THE GARBER-WELLINGTON AQUIFER

## OKLAHOMA COUNTY

12N-01E-07BAB 1 LAT.- 35-29-38 LONG.- 097-14-29 SEW.- 1  
DATE (M-D-Y):08-27-72

|         |      |         |       |         |       |         |       |          |        |         |       |
|---------|------|---------|-------|---------|-------|---------|-------|----------|--------|---------|-------|
| CA..... | 70.0 | MG..... | 26.0  | NA..... | 180.0 | HCU3... | 340.0 | SO4..... | 76.0   | CL..... | 220.0 |
| NO3.... | .4   | B.....  | .1    | DS CAL. | 780.0 | HARD... | 280.0 | SP COND  | 1330.0 | PH..... | 8.2   |
| TEMP *C | 25.0 | DEPTH** | 120.0 |         |       |         |       |          |        |         |       |

12N-01E-15ACC 1 LAT.- 35-30-52 LONG.- 097-11-07 SEW.- 1  
DATE (M-D-Y):12-18-74

|          |       |         |      |         |       |         |       |         |       |         |       |
|----------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| DEPTH**  | 412.0 | CA..... | 52.0 | NA..... | 76.0  | K.....  | 3.6   | HCO3... | 335.0 | CO3.... |       |
| SO4..... | 50.0  | CL..... | 80.0 | DS ROE. | 473.0 | HARD... | 260.0 | HARD NC |       | SP COND | 836.0 |
| PH.....  | 7.8   | MG..... | 31.0 |         |       |         |       |         |       |         |       |

12N-01W-01AAA 1 LAT.- 35-33-02 LONG.- 097-14-52 SEQ.- 1  
DATE (M-D-Y):06-13-72

|         |       |         |       |          |       |         |       |         |     |         |      |
|---------|-------|---------|-------|----------|-------|---------|-------|---------|-----|---------|------|
| NA..... | 63.0  | HCO3... | 434.0 | SO4..... | 35.0  | CL..... | 16.0  | NO3.... | .1  | B.....  | .1   |
| DS ROE. | 430.0 | CO3.... |       | HARD...  | 280.0 | SP COND | 733.0 | PH..... | 7.8 | TEMP *C | 19.0 |
| DEPTH** | 95.0  |         |       |          |       |         |       |         |     |         |      |

12N-02W-04CDD 1 LAT.- 35-32-15 LONG.- 097-24-56 SEW.- 1  
DATE (M-D-Y):11-11-74

|         |       |         |       |         |       |         |       |          |       |         |      |
|---------|-------|---------|-------|---------|-------|---------|-------|----------|-------|---------|------|
| CA..... | 61.0  | MG..... | 29.0  | NA..... | 26.0  | HCU3... | 330.0 | SO4..... | 12.0  | CL..... | 15.0 |
| NO2+NO3 | 6.3   | DS ROE. | 342.0 | HARD... | 270.0 | HARD NC | 1.0   | SP COND  | 590.0 | PH..... | 7.8  |
| DEPTH** | 165.0 |         |       |         |       |         |       |          |       |         |      |

12N-02W-20BAA 1 LAT.- 35-30-21 LONG.- 097-25-59 SEW.- 1  
DATE (M-D-Y):11-15-74

|         |      |         |       |         |       |         |       |          |       |         |       |
|---------|------|---------|-------|---------|-------|---------|-------|----------|-------|---------|-------|
| CA..... | 58.0 | MG..... | 23.0  | NA..... | 45.0  | HCU3... | 343.0 | SO4..... | 11.0  | CL..... | 15.0  |
| NO2+NO3 | 4.1  | DS ROE. | 348.0 | HARD... | 240.0 | HARD NC |       | SP COND  | 596.0 | DEPTH** | 150.0 |

OKLAHOMA COUNTY

12N-03W-02ABD 1 LAT.- 35-32-51 LUNG.- 097-29-04 SEQ.- 1  
DATE (M-D-Y):01-08-64

|         |       |          |      |         |       |         |     |         |       |         |       |
|---------|-------|----------|------|---------|-------|---------|-----|---------|-------|---------|-------|
| SI02... | 12.0  | FE.....  |      | CA..... | 4.5   | MG..... | 2.9 | NA + K. | 104.0 | HCO3... | 270.0 |
| CO3.... |       | SO4..... | 13.0 | CL..... | 10.0  | F.....  | .3  | NO3.... | .2    | DS ROE. | 276.0 |
| DS CAL. | 280.0 | HARD...  | 23.0 | SP COND | 440.0 | PH..... | 8.0 | TEMP *C | 18.0  | DEPTH** | 756.0 |

12N-03W-05CAB 1 LAT.- 35-32-33 LONG.- 097-32-30 SEQ.- 1  
DATE (M-D-Y):12-26-51

|         |       |         |      |         |      |         |        |         |       |         |       |
|---------|-------|---------|------|---------|------|---------|--------|---------|-------|---------|-------|
| SI02... | 8.5   | FE..... |      | CA..... | 3.8  | MG..... | 2.7    | NA..... | 247.0 | K.....  | 2.2   |
| HCO3... | 445.0 | CO3.... | 32.0 | SO4.... | 65.0 | CL..... | 50.0   | F.....  | 2.0   | NO3.... | 1.3   |
| DS ROE. | 642.0 | HARD... | 20.0 | HARD NC |      | SP COND | 1030.0 | PH..... | 8.9   | DEPTH** | 816.0 |

12N-03W-050D 1 LAT.- 35-32-21 LONG.- 097-31-53 SEQ.- 1  
DATE (M-D-Y):04-16-43

|         |       |         |        |         |        |         |       |         |       |         |        |
|---------|-------|---------|--------|---------|--------|---------|-------|---------|-------|---------|--------|
| SI02... | 12.0  | FE..... |        | CA..... | 3.8    | MG..... | 1.2   | NA..... | 413.0 | K.....  | 4.4    |
| HCO3... | 436.0 | CO3.... | 35.0   | SO4.... | 93.0   | CL..... | 296.0 | F.....  | 2.9   | NO3.... | .9     |
| B.....  | 12.0  | DS ROE. | 1066.0 | DS CAL. | 1077.0 | HARD... | 14.0  | HARD NC |       | SP COND | 1830.0 |
| TEMP *C | 19.5  | DEPTH** | 800.0  |         |        |         |       |         |       |         |        |

12N-03W-06ADD 1 LAT.- 35-32-54 LONG.- 097-32-23 SEQ.- 1  
DATE (M-D-Y):06-01-43

|         |        |         |       |         |       |         |       |         |       |         |       |
|---------|--------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 90.0   | MG..... | 74.0  | NA + K. | 129.0 | HCO3... | 234.0 | CO3.... |       | SO4.... | 152.0 |
| CL..... | 325.0  | NO3.... | .2    | B.....  | 2.0   | DS ROE. | 919.0 | DS CAL. | 886.0 | HARD... | 529.0 |
| SP COND | 1630.0 | DEPTH** | 825.0 |         |       |         |       |         |       |         |       |

12N-03W-12BCD 1 LAT.- 35-28-13 LONG.- 097-28-21 SEQ.- 1  
DATE (M-D-Y):05-24-73

|         |       |         |      |         |       |         |       |         |       |         |     |
|---------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|-----|
| CA..... | 26.0  | MG..... | 18.0 | NA..... | 30.0  | HCO3... | 216.0 | CO3.... |       | SO4.... | 8.0 |
| CL..... | 9.0   | NO3.... | 1.7  | DS ROE. | 210.0 | HARD... | 140.0 | SP COND | 367.0 | PH..... | 7.7 |
| DEPTH** | 797.0 |         |      |         |       |         |       |         |       |         |     |

OKLAHOMA COUNTY

12N-03W-13BCC 1 LAT.- 35-30-54 LONG.- 097-31-26 SEQ.- 1  
DATE (M-D-Y):05-24-73

|         |       |         |      |         |       |         |       |         |       |         |     |
|---------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|-----|
| CA..... | 31.0  | MG..... | 23.0 | NA..... | 15.0  | HCO3... | 220.0 | CO3.... |       | SO4.... | 9.0 |
| CL..... | 10.0  | NO3.... | 2.0  | DS ROE. | 208.0 | HARD... | 170.0 | SP COND | 371.0 | PH..... | 7.8 |
| DEPTH** | 780.0 |         |      |         |       |         |       |         |       |         |     |

12N-03W-15DDB 1 LAT.- 35-30-40 LONG.- 097-29-55 SEQ.- 1  
DATE (M-D-Y):04-17-44

|         |      |         |       |         |       |         |       |         |       |         |       |
|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 70.0 | MG..... | 37.0  | NA + K. | 40.0  | HCO3... | 417.0 | CO3.... |       | SO4.... | 17.0  |
| CL..... | 33.0 | F.....  |       | NO3.... | 10.0  | B.....  | .3    | DS CAL. | 485.0 | HARD... | 326.0 |
| HARD NC |      | SP COND | 749.0 | DEPTH** | 800.0 |         |       |         |       |         |       |

12N-03W-26BCC 1 LAT.- 35-29-15 LONG.- 097-29-30 SEQ.- 1  
DATE (M-D-Y):04-17-44

|         |      |         |      |         |       |         |       |         |       |         |       |
|---------|------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| FE..... | .2   | CA..... | 37.0 | MG..... | 31.0  | NA + K. | 37.0  | HCO3... | 264.0 | SO4.... | 13.0  |
| CL..... | 49.0 | NO3.... | 2.5  | DS CAL. | 300.0 | HARD... | 220.0 | SP COND | 573.0 | DEPTH** | 638.0 |

12N-03W-32ACD 1 LAT.- 35-28-18 LONG.- 097-32-00 SEQ.- 1  
DATE (M-D-Y):04-13-44

|         |       |         |      |         |       |         |       |         |      |         |       |
|---------|-------|---------|------|---------|-------|---------|-------|---------|------|---------|-------|
| CA..... | 53.0  | MG..... | 25.0 | NA + K. | 137.0 | HCO3... | 441.0 | CO3.... |      | SO4.... | 74.0  |
| NO3.... | .6    | B.....  | 2.7  | DS ROE. | 550.0 | DS CAL. | 574.0 | CL..... | 67.0 | SP COND | 978.0 |
| DEPTH** | 822.0 |         |      |         |       |         |       |         |      |         |       |

12N-03W-32ADA 1 LAT.- 35-27-54 LONG.- 097-32-06 SEQ.- 1  
DATE (M-D-Y):04-14-44

|         |       |         |       |         |       |         |      |         |       |         |      |
|---------|-------|---------|-------|---------|-------|---------|------|---------|-------|---------|------|
| NA + K. | 187.0 | HCO3... | 364.0 | CO3.... | 35.0  | SO4.... | 22.0 | CL..... | 21.0  | F.....  | .8   |
| NO3.... | 1.6   | B.....  | 10.0  | DS ROE. | 420.0 | HARD... | 6.0  | SP COND | 748.0 | TEMP *C | 18.0 |
| DEPTH** | 817.0 |         |       |         |       |         |      |         |       |         |      |

OKLAHOMA COUNTY

12N-03W-32ADA 2 LAT.- 35-28-29 LONG.- 097-31-51 SEQ.- 1  
DATE (M-D-Y):04-14-44

|         |       |         |       |         |      |         |       |         |       |        |    |
|---------|-------|---------|-------|---------|------|---------|-------|---------|-------|--------|----|
| NA + K. | 178.0 | HCO3... | 336.0 | CO3.... | 42.0 | SO4.... | 20.0  | CL..... | 18.0  | F..... | .8 |
| NO3.... | 1.0   | B.....  | 10.0  | HARD... | 7.5  | SP COND | 717.0 | DEPTH** | 870.0 |        |    |

12N-03W-33DAC 1 LAT.- 35-28-04 LONG.- 097-30-57 SEQ.- 1  
DATE (M-D-Y):04-16-43

|         |      |         |       |         |       |         |       |         |       |         |       |
|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 3.5  | MG..... | 1.1   | NA + K. | 171.0 | HCO3... | 278.0 | CO3.... | 57.0  | SO4.... | 20.0  |
| CL..... | 28.0 | F.....  | .3    | NO3.... | 1.0   | B.....  | 6.0   | DS ROE. | 450.0 | DS CAL. | 419.0 |
| HARD... | 13.0 | SP COND | 694.0 | DEPTH** | 780.0 |         |       |         |       |         |       |

12N-03W-36CCC 1 LAT.- 35-27-54 LONG.- 097-28-34 SEQ.- 1  
DATE (M-D-Y):04-14-44

|         |        |         |      |         |       |         |       |         |       |         |       |
|---------|--------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 86.0   | MG..... | 32.0 | NA + K. | 120.0 | HCO3... | 456.0 | CU3.... |       | SO4.... | 100.0 |
| CL..... | 92.0   | NO3.... | .1   | B.....  | .8    | DS ROE. | 730.0 | DS CAL. | 655.0 | HARD... | 346.0 |
| SP COND | 1120.0 | TEMP *C | 18.5 | DEPTH** | 212.0 |         |       |         |       |         |       |

12N-04W-11DCB 1 LAT.- 35-31-26 LONG.- 097-35-21 SEQ.- 1  
DATE (M-D-Y):05-24-73

|         |       |         |      |         |       |         |       |         |        |         |      |
|---------|-------|---------|------|---------|-------|---------|-------|---------|--------|---------|------|
| CA..... | 49.0  | MG..... | 30.0 | NA..... | 200.0 | HCO3... | 202.0 | CO3.... |        | SO4.... | 48.0 |
| CL..... | 330.0 | NO3.... | .2   | DS ROE. | 846.0 | HARD... | 240.0 | SP COND | 1430.0 | PH..... | 7.6  |
| DEPTH** | 770.0 |         |      |         |       |         |       |         |        |         |      |

12N-04W-14CAB 1 LAT.- 35-31-07 LONG.- 097-38-17 SEQ.- 1  
DATE (M-D-Y):04-16-43

|         |       |         |      |         |       |         |       |         |       |         |        |
|---------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|--------|
| CA..... | 64.0  | MG..... | 43.0 | NA + K. | 191.0 | HCO3... | 246.0 | SO4.... | 152.0 | CL..... | 277.0  |
| NO3.... | .5    | B.....  | 25.0 | DS ROE. | 980.0 | DS CAL. | 849.0 | HARD... | 336.0 | SP COND | 1510.0 |
| DEPTH** | 577.0 |         |      |         |       |         |       |         |       |         |        |



## OKLAHOMA COUNTY

12N-04W-15BCA 1 LAT.- 35-31-04 LONG.- 097-36-59 SEQ.- 1  
DATE (M-D-Y):04-16-43

|         |       |          |          |         |         |         |         |         |          |         |       |
|---------|-------|----------|----------|---------|---------|---------|---------|---------|----------|---------|-------|
| SIO2... | 14.0  | FE.....  | CA.....  | 39.0    | MG..... | 12.0    | NA..... | 204.0   | K.....   | 3.0     |       |
| HCO3... | 319.0 | CO3..... | SO4..... | 260.0   | CL..... | 46.0    | F.....  | .8      | NO3..... | 2.0     |       |
| B.....  | 5.0   | DS RUE.  | 730.0    | DS CAL. | 738.0   | HARD... | 147.0   | SP COND | 1130.0   | DEPTH** | 608.0 |

12N-04W-24BCC 1 LAT.- 35-30-26 LONG.- 097-34-50 SEQ.- 1  
DATE (M-D-Y):05-22-73

|         |       |          |      |         |       |         |       |          |          |         |     |
|---------|-------|----------|------|---------|-------|---------|-------|----------|----------|---------|-----|
| CA..... | 33.0  | MG.....  | 26.0 | NA..... | 70.0  | HCO3... | 228.0 | CO3..... | SO4..... | 38.0    |     |
| CL..... | 81.0  | NO3..... | .8   | DS RUE. | 375.0 | HARD... | 190.0 | SP COND  | 671.0    | PH..... | 7.7 |
| DEPTH** | 760.0 |          |      |         |       |         |       |          |          |         |     |

13N-01E-27CCB 1 LAT.- 35-34-07 LONG.- 097-11-33 SEQ.- 1  
DATE (M-D-Y):10-22-54

|         |       |          |          |         |         |         |         |         |          |         |     |
|---------|-------|----------|----------|---------|---------|---------|---------|---------|----------|---------|-----|
| SIO2... | 14.0  | FE.....  | CA.....  | 68.0    | MG..... | 34.0    | NA..... | 11.0    | K.....   | 4.4     |     |
| HCO3... | 387.0 | CO3..... | SO4..... | 4.9     | CL..... | 10.0    | F.....  |         | NO3..... | .5      |     |
| DS RUE. | 326.0 | DS CAL.  | 337.0    | HARD... | 308.0   | HARD NC |         | SP COND | 612.0    | PH..... | 7.5 |
| TEMP *C | 18.5  | DEPTH**  | 140.0    |         |         |         |         |         |          |         |     |

13N-01W-12CBB 1 LAT.- 35-36-56 LONG.- 097-15-50 SEQ.- 1  
DATE (M-D-Y):06-25-74

|         |      |          |      |         |       |         |       |          |          |         |       |
|---------|------|----------|------|---------|-------|---------|-------|----------|----------|---------|-------|
| CA..... | 81.0 | MG.....  | 42.0 | NA..... | 11.0  | HCO3... | 407.0 | CO3..... | SO4..... | 23.0    |       |
| CL..... | 17.0 | NO3..... | 16.0 | DS RUE. | 401.0 | HARD... | 380.0 | HARD NC  | 41.0     | SP COND | 700.0 |
| PH..... | 7.6  | TEMP *C  | 19.5 | DEPTH** | 160.0 |         |       |          |          |         |       |

13N-02W-20BAA 1 LAT.- 35-35-33 LONG.- 097-26-05 SEQ.- 1  
DATE (M-D-Y):04-22-54

|         |       |          |          |         |         |         |         |         |          |         |       |
|---------|-------|----------|----------|---------|---------|---------|---------|---------|----------|---------|-------|
| SIO2... | 15.0  | FE.....  | CA.....  | 64.0    | MG..... | 37.0    | NA..... | 11.0    | K.....   | 8.0     |       |
| HCO3... | 352.0 | CO3..... | SO4..... | 12.0    | CL..... | 12.0    | F.....  | .1      | NO3..... | 12.0    |       |
| B.....  | .3    | DS RUE.  | 306.0    | DS CAL. | 337.0   | HARD... | 312.0   | HARD NC | 23.0     | SP COND | 581.0 |
| PH..... | 7.4   | TEMP *C  | 16.5     | DEPTH** | 100.0   |         |         |         |          |         |       |



OKLAHOMA COUNTY

13N-03W-09BAB 1 LAT.- 35-37-22 LONG.- 097-31-32 SEQ.- 1  
DATE (M-D-Y):11-14-74

|         |      |         |       |         |       |         |       |          |       |         |       |
|---------|------|---------|-------|---------|-------|---------|-------|----------|-------|---------|-------|
| CA..... | 55.0 | MG..... | 36.0  | NA..... | 100.0 | HCO3... | 339.0 | SO4..... | 20.0  | CL..... | 140.0 |
| NO2+NO3 | 1.9  | DS ROE. | 558.0 | HARD... | 290.0 | HARD NC | 7.0   | SP COND  | 992.0 | PH..... | 7.7   |
| TEMP *C | 20.0 | DEPTH** | 147.0 |         |       |         |       |          |       |         |       |

13N-03W-20CCC 1 LAT.- 35-34-49 LONG.- 097-32-54 SEQ.- 1  
DATE (M-D-Y):04-13-44

|         |        |          |       |         |       |         |       |          |       |          |       |
|---------|--------|----------|-------|---------|-------|---------|-------|----------|-------|----------|-------|
| CA..... | 28.0   | MG.....  | 18.0  | NA + K. | 230.0 | HCO3... | 243.0 | CO3..... |       | SO4..... | 189.0 |
| CL..... | 176.0  | NO3..... | .8    | B.....  | 7.0   | DS ROE. | 850.0 | DS CAL.  | 762.0 | HARD...  | 144.0 |
| SP COND | 1300.0 | DEPTH**  | 650.0 |         |       |         |       |          |       |          |       |

13N-03W-28BBD 1 LAT.- 35-31-27 LONG.- 097-31-14 SEQ.- 1  
DATE (M-D-Y):05-30-73

|         |       |          |      |         |        |         |       |          |        |          |       |
|---------|-------|----------|------|---------|--------|---------|-------|----------|--------|----------|-------|
| CA..... | 110.0 | MG.....  | 87.0 | NA..... | 130.0  | HCO3... | 184.0 | CO3..... |        | SO4..... | 150.0 |
| CL..... | 420.0 | NO3..... | .3   | DS ROE. | 1140.0 | HARD... | 620.0 | SP COND  | 1810.0 | PH.....  | 7.4   |
| DEPTH** | 789.0 |          |      |         |        |         |       |          |        |          |       |

13N-03W-29DCA 1 LAT.- 35-34-11 LONG.- 097-32-08 SEQ.- 1  
DATE (M-D-Y):07-23-45

|          |      |         |       |         |       |          |       |          |      |         |       |
|----------|------|---------|-------|---------|-------|----------|-------|----------|------|---------|-------|
| CA.....  | 18.0 | MG..... | 18.0  | HCO3... | 218.0 | CO3..... | 14.0  | SO4..... | 51.0 | CL..... | 128.0 |
| NO3..... | .8   | DS ROE. | 498.0 | DS CAL. | 483.0 | HARD...  | 119.0 | TEMP *C  | 19.5 | DEPTH** | 751.0 |

13N-03W-29DDD 1 LAT.- 35-33-31 LONG.- 097-31-55 SEQ.- 1  
DATE (M-D-Y):04-16-43

|         |       |         |        |          |       |         |       |          |       |          |       |
|---------|-------|---------|--------|----------|-------|---------|-------|----------|-------|----------|-------|
| CA..... | 8.5   | MG..... | 4.8    | NA + K.  | 262.0 | HCO3... | 376.0 | CO3..... | 43.0  | SO4..... | 58.0  |
| CL..... | 116.0 | F.....  | 2.6    | NO3..... | .2    | B.....  | 24.0  | DS ROE.  | 651.0 | DS CAL.  | 680.0 |
| HARD... | 40.0  | SP COND | 1160.0 | DEPTH**  | 790.0 |         |       |          |       |          |       |

## OKLAHOMA COUNTY

13N-03W-31CCC 1 LAT.- 35-33-09 LONG.- 097-33-54 SEQ.- 1  
DATE (M-D-Y):04-21-44

CA..... 26.0 MG..... 21.0 NA + K. 372.0 CO3.... 7.9 SO4.... 86.0 CL..... 458.0  
NO3.... .9 B..... DS CAL. 1100.0 HARD... 152.0 SP COND 2030.0 DEPTH\*\* 805.0

13N-03W-34BAA 1 LAT.- 35-33-53 LONG.- 097-30-19 SEQ.- 0  
DATE (M-D-Y):04-13-44

CA..... 39.0 MG..... 29.0 NA + K. 79.0 HCO3... 377.0 CO3.... SO4.... 18.0  
CL..... 42.0 F..... .2 NO3.... .8 B..... 5.0 DS ROE. 455.0 DS CAL. 394.0  
HARD... 216.0 SP COND 700.0 TEMP \*C 18.0 DEPTH\*\* 787.0

13N-04W-12DDD 1 LAT.- 35-36-38 LONG.- 097-34-03 SEQ.- 1  
DATE (M-D-Y):03-05-47

CA..... 11.0 MG..... 7.0 NA + K. 147.0 HCO3... 267.0 CO3.... 25.0 SO4.... 75.0  
CL..... 25.0 F..... .2 NO3.... 1.5 DS ROE. 450.0 DS CAL. 423.0 HARD... 56.0  
SP COND 692.0 DEPTH\*\* 540.0

13N-04W-22ADA 1 LAT.- 35-35-25 LONG.- 097-36-11 SEQ.- 1  
DATE (M-D-Y):11-15-74

DEPTH\*\* 465.0 CA..... 68.0 MG..... 26.0 NA..... 200.0 HCO3... 292.0 SO4.... 360.0  
CL..... 12.0 NO2+NO3 .2 DS ROE. 786.0 HARD... 280.0 HARD NC 37.0 SP COND 1140.0  
PH..... 7.8

13N-04W-25ABC 1 LAT.- 35-34-37 LONG.- 097-34-27 SEQ.- 1  
DATE (M-D-Y):08-24-70

NA..... 790.0 HCO3... 166.0 SO4.... 1830.0 CL..... 240.0 NO3.... 1.6 B..... 2.3  
DS CAL. 3240.0 HARD... 660.0 HARD NC 524.0 SP COND 4200.0 PH..... 7.7 TEMP \*C 13.5  
DEPTH\*\* 230.0

OKLAHOMA COUNTY

14N-01E-28ADA 1 LAT.- 35-39-47 LUNG.- 097-11-39 SEQ.- 1  
DATE (M-D-Y):10-22-54

|         |       |          |         |       |         |       |         |       |         |      |
|---------|-------|----------|---------|-------|---------|-------|---------|-------|---------|------|
| SIO2... | 21.0  | FE.....  | CA..... | 88.0  | MG..... | 41.0  | NA..... | 40.0  | K.....  | 3.6  |
| HCO3... | 319.0 | CO3..... | SO4.... | 47.0  | CL..... | 69.0  | F.....  |       | NO3.... | 83.0 |
| DS RUE. | 554.0 | DS CAL.  | HARD... | 390.0 | HARD NC | 128.0 | SP COND | 972.0 | PH..... | 7.2  |
| TEMP *C | 23.0  | DEPTH**  |         | 172.0 |         |       |         |       |         |      |

14N-01W-11DDB 1 LAT.- 35-41-54 LONG.- 097-16-08 SEQ.- 1  
DATE (M-D-Y):11-13-74

|         |       |         |       |         |       |         |       |         |       |         |      |
|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|------|
| CA..... | 64.0  | MG..... | 42.0  | NA..... | 22.0  | HCO3... | 399.0 | SO4.... | 20.0  | CL..... | 13.0 |
| NO2+NO3 | .8    | DS RUE. | 367.0 | HARD... | 330.0 | HARD NC | 5.0   | SP COND | 652.0 | PH..... | 7.6  |
| DEPTH** | 116.0 |         |       |         |       |         |       |         |       |         |      |

14N-01W-21BDC 1 LAT.- 35-40-25 LONG.- 097-20-01 SEQ.- 1  
DATE (M-D-Y):07-21-71

|         |       |         |        |         |      |         |      |         |        |         |       |
|---------|-------|---------|--------|---------|------|---------|------|---------|--------|---------|-------|
| NA..... | 420.0 | HCO3... | 488.0  | CO3.... |      | SO4.... | 73.0 | CL..... | 330.0  | NO3.... | .2    |
| B.....  | 2.3   | DS RUE. | 1080.0 | HARD... | 60.0 | HARD NC |      | SP COND | 1890.0 | DEPTH** | 130.0 |

14N-02W-03A8B 1 LAT.- 35-41-35 LONG.- 097-23-51 SEQ.- 1  
DATE (M-D-Y):12-08-74

|         |       |         |      |         |       |         |       |         |       |         |       |
|---------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| DEPTH** | 102.0 | CA..... | 65.0 | MG..... | 33.0  | NA..... | 20.0  | HCO3... | 322.0 | SO4.... | 27.0  |
| CL..... | 12.0  | NO2+NO3 | 2.2  | DS RUE. | 337.0 | HARD... | 300.0 | HARD NC | 34.0  | SP COND | 574.0 |
| PH..... | 7.7   | TEMP *C | 17.0 |         |       |         |       |         |       |         |       |

14N-02W-09CCD 1 LAT.- 35-41-47 LONG.- 097-25-11 SEQ.- 1  
DATE (M-D-Y):04-22-54

|         |       |          |         |         |         |         |         |         |         |         |       |
|---------|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| SIO2... | 13.0  | FE.....  | CA..... | 30.0    | MG..... | 15.0    | NA..... | 5.8     | K.....  | 1.3     |       |
| HCO3... | 130.0 | CO3..... | SO4.... | 19.0    | CL..... | 11.0    | F.....  |         | NO3.... | 6.0     |       |
| B.....  | .3    | DS RUE.  | 166.0   | DS CAL. | 166.0   | HARD... | 137.0   | HARD NC | 30.0    | SP COND | 286.0 |
| PH..... | 6.8   | TEMP *C  | 16.0    | DEPTH** | 90.0    |         |         |         |         |         |       |

OKLAHOMA COUNTY

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 14N-02W-17CBB 1 LAT.- 35-41-20 LONG.- 097-26-31 SEQ.- 1  
 DATE (M-D-Y):04-17-44

|         |       |         |      |         |       |         |       |         |       |         |       |
|---------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 65.0  | MG..... | 33.0 | NA + K. | 18.0  | HCO3... | 375.0 | SO4.... | 7.0   | CL..... | 12.0  |
| NO3.... | 5.0   | B.....  | .1   | DS ROE. | 327.0 | DS CAL. | 325.0 | HARD... | 298.0 | SP COND | 582.0 |
| DEPTH** | 160.0 |         |      |         |       |         |       |         |       |         |       |

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14N-02W-17CDB 1 LAT.- 35-41-01 LONG.- 097-26-10 SEQ.- 1  
 DATE (M-D-Y):04-17-44

|         |       |         |       |         |       |         |       |         |       |         |       |
|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 57.0  | MG..... | 28.0  | NA + K. | 15.0  | HCO3... | 328.0 | CO3.... |       | SO4.... | 5.0   |
| CL..... | 11.0  | F.....  | .1    | NO3.... | .8    | B.....  | .1    | DS ROE. | 298.0 | DS CAL. | 278.0 |
| HARD... | 258.0 | SP COND | 511.0 | DEPTH** | 635.0 |         |       |         |       |         |       |

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14N-02-23CDB 1 LAT.- 35-40-14 LONG.- 097-23-02 SEQ.- 1  
 DATE (M-D-Y):11-11-74

|         |       |         |       |         |       |         |       |         |       |         |      |
|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|------|
| CA..... | 27.0  | MG..... | 17.0  | NA..... | 100.0 | HCO3... | 373.0 | SO4.... | 14.0  | CL..... | 22.0 |
| NO2+NO3 | .5    | DS ROE. | 378.0 | HARD... | 140.0 | HARD NC |       | SP COND | 634.0 | PH..... | 8.0  |
| DEPTH** | 420.0 |         |       |         |       |         |       |         |       |         |      |

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14N-02W-30BAA 1 LAT.- 35-29-55 LONG.- 097-27-10 SEQ.- 1  
 DATE (M-D-Y):12-09-70

|         |       |         |       |         |       |         |     |         |      |         |       |
|---------|-------|---------|-------|---------|-------|---------|-----|---------|------|---------|-------|
| NA + K. | 40.0  | HCO3... | 302.0 | CO3.... |       | SO4.... | 9.4 | CL..... | 8.5  | NO3.... | .7    |
| DS CAL. | 279.0 | HARD... | 180.0 | SP COND | 480.0 | PH..... | 8.2 | TEMP *C | 17.0 | DEPTH** | 749.0 |

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14N-03W-26DAC 1 LAT.- 35-39-25 LONG.- 097-28-53 SEQ.- 1  
 DATE (M-D-Y):04-15-43

|         |       |         |      |         |       |         |       |         |       |         |       |
|---------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 69.0  | MG..... | 31.0 | NA + K. | 31.0  | HCO3... | 332.0 | SO4.... | 21.0  | CL..... | 37.0  |
| F.....  | .4    | NO3.... | 24.0 | B.....  | .1    | DS ROE. | 435.0 | DS CAL. | 377.0 | HARD... | 300.0 |
| SP COND | 672.0 | TEMP *C | 16.0 | DEPTH** | 457.0 |         |       |         |       |         |       |

OKLAHOMA COUNTY

14N-03W-31BBA 1 LAT.- 35-39-21 LONG.- 097-33-44 SEQ.- 1  
DATE (M-D-Y):04-15-43

|         |       |          |     |         |       |         |       |          |      |          |       |
|---------|-------|----------|-----|---------|-------|---------|-------|----------|------|----------|-------|
| CA..... | 8.0   | MG.....  | 2.6 | NA + K. | 146.0 | HCO3... | 292.0 | CO3..... | 24.0 | SO4..... | 58.0  |
| CL..... | 6.0   | NO3..... | .2  | DS ROE. | 405.0 | DS CAL. | 388.0 | HARD...  | 30.0 | SP COND  | 625.0 |
| DEPTH** | 600.0 |          |     |         |       |         |       |          |      |          |       |

14N-03W-35ABA 1 LAT.- 35-39-05 LONG.- 097-29-00 SEQ.- 1  
DATE (M-D-Y):04-15-43

|         |       |          |       |          |       |         |       |         |        |          |      |
|---------|-------|----------|-------|----------|-------|---------|-------|---------|--------|----------|------|
| SIO2... | 12.0  | FE.....  | .1    | CA.....  | 3.5   | MG..... | 1.6   | NA..... | 311.0  | K.....   | 2.2  |
| HCO3... | 411.0 | CO3..... | 23.0  | SO4..... | 85.0  | CL..... | 166.0 | F.....  | 1.8    | NO3..... | 1.5  |
| B.....  | 15.0  | DS ROE.  | 802.0 | DS CAL.  | 810.0 | HARD... | 15.0  | SP COND | 1350.0 | TEMP *C  | 18.5 |
| DEPTH** | 731.0 |          |       |          |       |         |       |         |        |          |      |

14N-03W-35ABA 1 LAT.- 35-39-05 LONG.- 097-29-00 SEQ.- 1  
DATE (M-D-Y):12-09-70

|         |       |         |       |          |        |          |      |         |       |          |       |
|---------|-------|---------|-------|----------|--------|----------|------|---------|-------|----------|-------|
| NA + K. | 310.0 | HCO3... | 436.0 | CO3..... |        | SO4..... | 78.0 | CL..... | 180.0 | NO3..... |       |
| DS ROE. | 829.0 | HARD... | 20.0  | SP COND  | 1400.0 | PH.....  | 8.2  | TEMP *C | 18.0  | DEPTH**  | 731.0 |

14N-03W-35ABB 1 LAT.- 35-39-09 LONG.- 097-28-58 SEQ.- 1  
DATE (M-D-Y):12-01-49

|         |        |          |      |         |        |         |     |          |       |         |       |
|---------|--------|----------|------|---------|--------|---------|-----|----------|-------|---------|-------|
| SIO2... | 1.5    | FE.....  |      | CA..... | 20.0   | MG..... | 7.9 | NA.....  | 243.0 | K.....  | 2.4   |
| HCO3... | 409.0  | SO4..... | 68.0 | CL..... | 150.0  | F.....  | 1.4 | NO3..... | 3.5   | DS ROE. | 712.0 |
| DS CAL. | 699.0  | HARD...  | 82.0 | SP COND | 1220.0 | PH..... | 8.2 | DS CAL.  | 699.0 | HARD... | 82.0  |
| SP COND | 1220.0 | PH.....  | 8.2  | DEPTH** | 400.0  |         |     |          |       |         |       |

LOGAN COUNTY

15N-01E-18BCB 1 LAT.- 35-46-15 LONG.- 097-14-30 SEQ.- 1  
DATE (M-D-Y):02-10-71

|         |       |         |       |         |       |         |      |         |      |         |       |
|---------|-------|---------|-------|---------|-------|---------|------|---------|------|---------|-------|
| NA..... | 49.0  | HCO3... | 372.0 | SO4.... | 35.0  | CL..... | 46.0 | NO3.... | 66.0 | DS RUE. | 533.0 |
| HARD... | 350.0 | HARD NC | 47.0  | SP COND | 875.0 | PH..... | 7.6  | TEMP *C | 16.0 | DEPTH** | 65.0  |

15N-01E-26AAD 1 LAT.- 35-45-05 LONG.- 097-09-35 SEQ.- 1  
DATE (M-D-Y):12-17-74

|         |       |         |      |         |       |         |       |         |       |         |       |
|---------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| DEPTH** | 150.0 | CA..... | 56.0 | MG..... | 27.0  | NA..... | 33.0  | HCO3... | 332.0 | SO4.... | 8.4   |
| CL..... | 12.0  | NO2+NO3 | 1.2  | DS RUE. | 325.0 | HARD... | 250.0 | HARD NC |       | SP COND | 543.0 |
| PH..... | 7.8   | TEMP *C | 17.0 |         |       |         |       |         |       |         |       |

15N-01W-20DCD 1 LAT.- 35-45-14 LONG.- 097-19-21 SEQ.- 1  
DATE (M-D-Y):12-08-74

|         |      |         |      |         |       |         |      |         |       |         |      |
|---------|------|---------|------|---------|-------|---------|------|---------|-------|---------|------|
| DEPTH** | 31.0 | CA..... | 95.0 | MG..... | 23.0  | NA..... | 20.0 | HCO3... | 357.0 | SO4.... | 67.0 |
| CL..... | 6.6  | NO2+NO3 | .2   | DS RUE. | 396.0 | HARD NC | 39.0 | SP COND | 658.0 | PH..... | 8.0  |
| TEMP *C | 16.5 |         |      |         |       |         |      |         |       |         |      |

15N-02W-03AAB 1 LAT.- 35-46-50 LONG.- 097-23-45 SEQ.- 1  
DATE (M-D-Y):06-06-74

|         |      |         |      |         |       |         |       |         |      |         |       |
|---------|------|---------|------|---------|-------|---------|-------|---------|------|---------|-------|
| CA..... | 78.0 | MG..... | 33.0 | NA..... | 22.0  | HCO3... | 360.0 | CO3.... |      | SO4.... | 20.0  |
| CL..... | 24.0 | NO2+NO3 | 6.4  | DS RUE. | 393.0 | HARD... | 330.0 | HARD NC | 35.0 | SP COND | 682.0 |
| PH..... | 7.5  | TEMP *C | 18.5 | DEPTH** | 66.0  |         |       |         |      |         |       |

15N-03W-11BAB 1 LAT.- 35-47-40 LONG.- 097-29-30 SEQ.- 1  
DATE (M-D-Y):11-19-74

|         |       |         |        |         |       |         |       |         |        |         |       |
|---------|-------|---------|--------|---------|-------|---------|-------|---------|--------|---------|-------|
| CA..... | 170.0 | MG..... | 50.0   | NA..... | 100.0 | HCO3... | 379.0 | SO4.... | 140.0  | CL..... | 98.0  |
| NO2+NO3 | 63.0  | DS RUE. | 1120.0 | HARD... | 630.0 | HARD NC | 320.0 | SP COND | 1590.0 | DEPTH** | 100.0 |

## LOGAN COUNTY

15N-03W-33ACA 1 LAT.- 35-44-07 LONG.- 097-31-07 SEQ.- 1  
DATE (M-D-Y):11-13-74

CA..... 52.0 MG..... 22.0 NA..... 22.0 HCU3... 287.0 SO4..... 7.2 CL..... 10.0  
NO2+NO3 .3 DS RUE. 268.0 HARD... 220.0 HARD NC SP COND 466.0 PH..... 7.6  
DEPTH\*\* 141.0

15N-04W-24BBC 1 LAT.- 35-45-55 LONG.- 097-34-59 SEQ.- 1  
DATE (M-D-Y):06-28-74

CA..... 370.0 MG..... 89.0 NA..... 130.0 HCU3... 271.0 CO3..... SO4..... 1300.0  
CL..... 54.0 NO3... 32.0 DS RUE. 2320.0 HARD... 1300.0 HARD NC 1100.0 SP COND 2460.0  
PH..... 7.6 TEMP \*C 20.0 DEPTH\*\* 136.0

15N-04W-29ABA 1 LAT.- 35-45-16 LONG.- 097-38-47 SEQ.- 1  
DATE (M-D-Y):06-21-74

CA..... 230.0 MG..... 67.0 NA..... 690.0 HCU3... 201.0 CO3..... SO4..... 1900.0  
CL..... 110.0 F..... .9 NO3... 8.9 DS RUE. 3260.0 HARD... 850.0 HARD NC 690.0  
SP COND 5000.0 PH..... 7.2 TEMP \*C 19.0 DEPTH\*\* 150.0

16N-01E-08CDD 1 LAT.- 35-52-05 LONG.- 097-13-24 SEQ.- 1  
DATE (M-D-Y):11-21-74

CA..... 110.0 MG..... 140.0 NA..... 87.0 HCU3... 667.0 SO4..... 340.0 CL..... 72.0  
NO2+NO3 .1 DS RUE. 1200.0 HARD... 850.0 HARD NC 300.0 SP COND 1680.0 DEPTH\*\* 33.0

16N-01W-29AAA 1 LAT.- 35-49-16 LONG.- 097-19-12 SEQ.- 1  
DATE (M-D-Y):12-12-74

DEPTH\*\* 138.0 CA..... 1.9 MG..... .5 NA..... 200.0 HCU3... 453.0 SU4..... 22.0  
CL..... 17.0 NO2+NO3 .1 DS RUE. 496.0 HARD... 7.0 HARD NC SP CUND 809.0  
PH..... 8.7 TEMP \*C 16.5



## LOGAN COUNTY

16N-02W-128BB 1 LAT.- 35-52-54 LONG.- 097-22-14 SEQ.- 1  
DATE (M-D-Y):12-08-74

|         |      |         |      |         |       |         |       |         |       |         |       |
|---------|------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| DEPTH** | 41.0 | CA..... | 29.0 | MG..... | 15.0  | NA..... | 41.0  | HCO3... | 136.0 | SO4.... | 52.0  |
| CL..... | 29.0 | NO2+NO3 | .6   | DS CAL. | 236.0 | HARD... | 130.0 | HARD NC | 23.0  | SP COND | 404.0 |
| PH..... | 8.0  | TEMP *C | 16.5 |         |       |         |       |         |       |         |       |

16N-02W-218DC 1 LAT.- 35-50-40 LONG.- 097-25-20 SEQ.- 1  
DATE (M-D-Y):11-20-74

|         |      |         |       |         |       |         |       |         |       |         |       |
|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 60.0 | MG..... | 22.0  | NA..... | 28.0  | HCO3... | 292.0 | SO4.... | 26.0  | CL..... | 8.5   |
| NO2+NO3 | 3.0  | DS ROE. | 312.0 | HARD... | 240.0 | HARD NC | 1.0   | SP COND | 536.0 | DEPTH** | 160.0 |

16N-02W-28AC 1 LAT.- 35-50-10 LONG.- 097-25-07 SEQ.- 1  
DATE (M-D-Y):12-06-49

|         |       |         |      |         |       |         |       |         |       |         |       |
|---------|-------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 38.0  | MG..... | 15.0 | NA + K. | 16.0  | HCO3... | 200.0 | CO3.... |       | SO4.... | 19.0  |
| CL..... | 4.8   | NO3.... | 1.0  | DS ROE. | 215.0 | DS CAL. | 192.0 | HARD... | 156.0 | SP COND | 361.0 |
| DEPTH** | 176.0 |         |      |         |       |         |       |         |       |         |       |

16N-02W-29CA 1 LAT.- 35-50-00 LONG.- 097-26-05 SEQ.- 1  
DATE (M-D-Y):05-19-70

|         |       |         |       |         |       |         |     |         |       |        |    |
|---------|-------|---------|-------|---------|-------|---------|-----|---------|-------|--------|----|
| NA..... | 34.0  | HCO3... | 322.0 | SO4.... | 22.0  | CL..... | 8.4 | NO3.... | 3.4   | B..... | .3 |
| DS ROE. | 315.0 | HARD... | 232.0 | SP COND | 544.0 | PH..... | 8.1 | DEPTH** | 235.0 |        |    |

16N-02W-33CCD 1 LAT.- 35-47-10 LONG.- 097-25-15 SEQ.- 1  
DATE (M-D-Y):06-07-74

|         |      |         |      |         |       |         |       |         |  |         |       |
|---------|------|---------|------|---------|-------|---------|-------|---------|--|---------|-------|
| CA..... | 55.0 | MG..... | 25.0 | NA..... | 40.0  | HCO3... | 345.0 | CO3.... |  | SO4.... | 15.0  |
| CL..... | 11.0 | NO2+NO3 | 5.6  | DS ROE. | 345.0 | HARD... | 240.0 | HARD NC |  | SP COND | 593.0 |
| PH..... | 7.7  | TEMP *C | 17.5 | DEPTH** | 81.0  |         |       |         |  |         |       |



LUGAN COUNTY

16N-03W-04DDB 1 LAT.- 35-53-16 LONG.- 097-31-05 SEQ.- 1  
DATE (M-D-Y):05-08-74

|         |      |         |      |         |       |         |       |         |     |         |       |
|---------|------|---------|------|---------|-------|---------|-------|---------|-----|---------|-------|
| CA..... | 64.0 | MG..... | 22.0 | NA..... | 25.0  | HCO3... | 304.0 | CO3.... |     | SO4.... | 14.0  |
| CL..... | 10.0 | NO2+NO3 | 8.0  | DS ROE. | 336.0 | HARD... | 250.0 | HARD NC | 1.0 | SP COND | 562.0 |
| PH..... | 7.7  | TEMP *C | 19.5 | DEPTH** | 125.0 |         |       |         |     |         |       |

16N-03W-11DDD 1 LAT.- 35-52-25 LONG.- 097-28-57 SEQ.- 1  
DATE (M-D-Y):05-22-74

|         |      |         |      |         |       |         |       |         |       |         |       |
|---------|------|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|
| CA..... | 98.0 | MG..... | 35.0 | NA..... | 36.0  | HCO3... | 257.0 | CO3.... |       | SO4.... | 83.0  |
| CL..... | 41.0 | NO2+NO3 | 32.0 | DS ROE. | 556.0 | HARD... | 390.0 | HARD NC | 180.0 | SP COND | 898.0 |
| PH..... | 7.8  | TEMP *C | 17.0 | DEPTH** | 112.0 |         |       |         |       |         |       |

16N-03W-18ADD 1 LAT.- 35-51-48 LONG.- 097-33-01 SEQ.- 1  
DATE (M-D-Y):11-06-70

|         |       |         |       |         |  |         |       |         |     |         |      |
|---------|-------|---------|-------|---------|--|---------|-------|---------|-----|---------|------|
| NA + K. | 20.0  | HCO3... | 278.0 | CO3.... |  | SO4.... | 17.0  | CL..... | 8.0 | NO3.... | 18.0 |
| DS ROE. | 301.0 | HARD... | 228.0 | HARD NC |  | SP COND | 502.0 | PH..... | 8.1 | TEMP *C | 16.0 |
| DEPTH** | 125.0 |         |       |         |  |         |       |         |     |         |      |

16N-03W-25DAD 1 LAT.- 35-49-50 LONG.- 097-27-40 SEQ.- 1  
DATE (M-D-Y):11-06-70

|         |       |         |       |         |  |         |       |         |      |         |      |
|---------|-------|---------|-------|---------|--|---------|-------|---------|------|---------|------|
| NA + K. | 43.0  | HCO3... | 346.0 | CO3.... |  | SO4.... | 21.0  | CL..... | 30.0 | NO3.... | 8.7  |
| DS ROE. | 378.0 | HARD... | 262.0 | HARD NC |  | SP COND | 647.0 | PH..... | 8.0  | TEMP *C | 18.0 |
| DEPTH** | 200.0 |         |       |         |  |         |       |         |      |         |      |

16N-04W-14AAA 1 LAT.- 35-51-56 LONG.- 097-35-06 SEQ.- 1  
DATE (M-D-Y):11-19-74

|         |      |         |       |         |       |         |       |         |       |         |      |
|---------|------|---------|-------|---------|-------|---------|-------|---------|-------|---------|------|
| CA..... | 60.0 | MG..... | 27.0  | NA..... | 82.0  | HCO3... | 420.0 | SO4.... | 45.0  | CL..... | 29.0 |
| NO2+NO3 | .9   | DS ROE. | 496.0 | HARD... | 260.0 | HARD NC |       | SP COND | 788.0 | DEPTH** | 91.0 |

LUGAN COUNTY

17N-01E-24CCC 1 LAT.- 35-55-32 LONG.- 097-13-25 SEQ.- 1  
DATE (M-D-Y):11-21-74

|         |       |         |        |         |        |         |       |          |        |         |       |
|---------|-------|---------|--------|---------|--------|---------|-------|----------|--------|---------|-------|
| CA..... | 250.0 | MG..... | 110.0  | NA..... | 300.0  | HCO3... | 385.0 | SO4..... | 42.0   | CL..... | 740.0 |
| NO2+NO3 | 73.0  | DS ROE. | 2050.0 | HARD... | 1100.0 | HARD NC | 760.0 | SP COND  | 3310.0 | DEPTH** | 52.0  |

17N-01W-21CBB 1 LAT.- 35-55-59 LONG.- 097-18-23 SEQ.- 1  
DATE (M-D-Y):11-21-74

|         |      |         |       |         |       |         |       |          |       |         |       |
|---------|------|---------|-------|---------|-------|---------|-------|----------|-------|---------|-------|
| CA..... | 47.0 | MG..... | 24.0  | NA..... | 65.0  | HCO3... | 332.0 | SO4..... | 30.0  | CL..... | 37.0  |
| NO2+NO3 | .7   | DS ROE. | 386.0 | HARD... | 220.0 | HARD NC |       | SP COND  | 661.0 | DEPTH** | 186.0 |

17N-02W-22CDB 1 LAT.- 35-56-52 LONG.- 097-23-05 SEQ.- 1  
DATE (M-D-Y):05-13-74

|         |      |         |      |         |       |         |       |          |      |          |       |
|---------|------|---------|------|---------|-------|---------|-------|----------|------|----------|-------|
| CA..... | 77.0 | MG..... | 50.0 | NA..... | 60.0  | HCO3... | 385.0 | CO3..... |      | SO4..... | 52.0  |
| CL..... | 56.0 | NO2+NO3 | 21.0 | DS ROE. | 594.0 | HARD... | 400.0 | HARD NC  | 82.0 | SP COND  | 970.0 |
| PH..... | 7.9  | TEMP *C | 15.5 | DEPTH** | 78.0  |         |       |          |      |          |       |

