

4-11-17W

State Geological Survey
WICHITA BRANCH

WELL LOG

OPERATOR: Liberty Enterprises, Inc.

WELL NAME: Roy Carmichael #8 LOCATION: SE SE SE 4-11s-17W

COUNTY: Ellis STATE: Kansas

WELL COMMENCED: April 10, 1981 WELL COMPLETED: April 17, 1981

ELEVATION: 1832' K.B. TOTAL DEPTH: 3405'

PRODUCTION: Oil RIG NO: #1

CASING - 8 5/8": 217.10' used 28# cemented with 110 sxs common 2% gel 3% cc

4 1/2" ~~5 1/2"~~ Ran 80 Jts. new 10 1/2# Tally @ 3398.06' Set 2' off bottom @ 3403' cemented
with 150 sxs RFC P.D. @ 7:00 P.M. 4-17-81

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

| | | DEVIATION | | REMARKS: |
|-------|-------|----------------|----------------------|----------|
| FROM | TO | FORMATION | FROM VERTICAL | |
| 0' | 195' | | | |
| 195' | 775' | sand and shale | | |
| 775' | 935' | shale and sand | | |
| 935' | 1061' | shale and sand | | |
| 1061' | 1095' | Anhydrite | | |
| 1095' | 1400' | shale | | |
| 1400' | 1432' | shale | 1432' - 3/4 - degree | |
| 1432' | 1690' | shale | | |
| 1690' | 1940' | shale | | |
| 1940' | 2190' | shale and lime | | |
| 2190' | 2370' | shale and lime | | |
| 2370' | 2568' | shale and lime | | |
| 2568' | 2749' | lime and shale | | |
| 2749' | 2875' | lime and shale | | |
| 2875' | 2972' | lime and shale | | |
| 2972' | 3061' | lime and shale | | |
| 3061' | 3141' | lime and shale | | |
| 3141' | 3219' | lime and shale | | |
| 3219' | 3306' | lime and shale | | |
| 3306' | 3405' | lime and shale | 3405' - 0 - degree | |
| 3405' | RTD | | | |

RECEIVED
STATE CORPORATION COMMISSION

MAY 21 1981

CONSERVATION DIVISION
Wichita, Kansas