

STATE OF KANSAS  
STATE CORPORATION COMMISSION  
200 Colorado Derby Building  
Wichita, Kansas 67202

WELL PLUGGING RECORD  
K.A.R.-82-3-117

15-051-01172-00-01

API NUMBER 15-051-01172

LEASE NAME R. Carmichael

WELL NUMBER #3 SWD

2310 Ft. from S Section Line

3300 Ft. from E Section Line

SEC. 4 TWP. 11S RGE. 17 (E) or (W)

COUNTY Ellis

Date Well Completed 6-22-79

Plugging Commenced 5-15-89

Plugging Completed 5-16-89

Did you notify the KCC/KDHE Joint District Office prior to plugging this well? Yes

Which KCC/KDHE Joint Office did you notify? Hays, Kansas

Is ACO-1 filed? Yes If not, is well log attached? Previously mailed

Producing Formation Arbuckle Depth to Top 3690 Bottom 3937 T.D. 3937

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

| Formation | Content | From | To   | Size   | Put in | Pulled out |
|-----------|---------|------|------|--------|--------|------------|
| Arbuckle  | Water   | 0    | 60   | 15"    | 60     | 0          |
|           |         | 0    | 1180 | 10 3/4 | 1180   | 0          |
|           |         | 0    | 3690 | 5 1/2  | 3690   | 0          |
|           |         | 3690 | 3937 | O.H.   |        |            |

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.

Run 2 7/8 tbg. to 3313'. Spot 100 sks Class A + 2% gel from 3313 to 2264. (Tagged w/tbg.)  
Spot 100 sks 65/35 Poz 6% gel from 2233' to 1000'. Spot 90 sks 65/35 Poz 6% gel from 1000' to surface. Pull tbg. and top out w/15 sks & squeeze to 400#. Hook up to 5 1/2 x 10 3/4 annulus and pump 297 sks 65/35 poz, 6% gel. Shut in @ 300#.  
(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Halliburton License No.

Address Hays, Kansas

STATE OF Kansas COUNTY OF Ellis, ss.

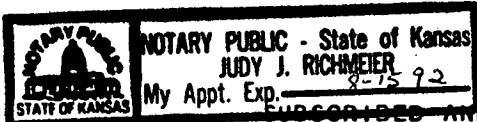
Ken Jehlik

(Employee of Operator) or (Operator)

above-described well, being first duly sworn on oath, says: That I have knowledge of the facts and statements, and matters herein contained and the log of the above-described well as filed therewith, and the same are true and correct, so help me God.

(Signature) Ken Jehlik

(Address) Box 558 Garden City, Kans



SUBSCRIBED AND SWORN TO before me this 26th day of MAY, 1989

Judy J. Richmeier  
Notary Public

My Commission Expires: 8-15-92

DIGITAL

Logging

Radiation Guard Log

RECEIVED  
STATE CORPORATION COMMISSION  
3-7-1988  
MAR 17 1988

COMPANY Helmerich and Payne  
~~LIBERTY ENTERPRISE INC~~

MISSION  
WELL NO3 Roy CARMICHAEL SWD

FIELD UPPER TURKULE NO

CONSERVATION DIVISION  
Wichita, Kans

COUNTY ELLIS STATE KANSAS

Location C-N/2-NE-SW Other Services:

Sec. 4 Twp. 10S Rge. 17W

Permanent Datum: GL Elev. 1937 Elev.: K.B. 1942  
Log Measured From KB .5 Ft. Above Perm. Datum D.F.  
Drilling Measured From KB G.L. 1932

10-00-2110-150-51

|  |             |                |       |      |
|--|-------------|----------------|-------|------|
| Date                                       | 4-9-79      |                |       |      |
| Run No.                                    | ONE         |                |       |      |
| Depth-Driller                              | 3601        |                |       |      |
| Depth-Logger                               | 3594        |                |       |      |
| Btm. Log Inter.                            | 3593        |                |       |      |
| Top Log Inter.                             | 2800        |                |       |      |
| Casing-Driller                             | 15" @ 60'   | 10 1/4" @ 1180 | •     | •    |
| Casing-Logger                              |             |                |       |      |
| Bit Size                                   |             | 9"             | 7-7/8 |      |
| Type Fluid in Hole                         | STARBU MUD  |                |       |      |
|  | CL 20.600   |                |       |      |
| Dens.   Visc.                              | 9.7   44    |                |       |      |
| pH   Fluid Loss                            | 6.4   127ml |                | ml    | ml   |
| Source of Sample                           | 1-10wline   |                |       |      |
| R <sub>10</sub> @ Meas. Temp.              | @ °F        | @ °F           | @ °F  | @ °F |
| R <sub>100</sub> @ Meas. Temp.             | @ °F        | @ °F           | @ °F  | @ °F |
| R <sub>1000</sub> @ Meas. Temp.            | @ °F        | @ °F           | @ °F  | @ °F |
| Source: R <sub>100</sub> R <sub>1000</sub> |             |                |       |      |
| R <sub>10</sub> @ BHT                      | @ °F        | @ °F           | @ °F  | @ °F |
| Time Since Circ.                           | 3 HRS       |                |       |      |
| Max. Rec. Temp.                            | 105 °F      |                | °F    | °F   |
| Equip.   Location                          | A-1   GB    |                |       |      |
| Recorded By                                | WD JOHNSON  |                |       |      |
| Witnessed By                               | MR FARR     |                |       |      |

EQUIPMENT DATA

|                      |        |                    |          |
|----------------------|--------|--------------------|----------|
| GAMMA RAY            |        | NEUTRON            |          |
| RUN NO.              | ONE    | RUN NO.            | ONE      |
| TOOL MODEL NO.       | 7013   | LOG TYPE           | n/n      |
| DIAMETER             |        | TOOL MODEL NO.     | 7013     |
| DETECTOR MODEL NO.   |        | DIAMETER           |          |
| TYPE                 | Scint  | DETECTOR MODEL NO. |          |
| LENGTH               | 4"     | TYPE               | He3      |
| DISTANCE TO N SOURCE | 9 1/2" | LENGTH             | 6"       |
| GENERAL              |        | SOURCE MODEL NO.   |          |
| HOIST TRUCK NO.      | A7     | SERIAL NO.         |          |
| INSTRUMENT TRUCK NO. |        | SPACING            |          |
| TOOL SERIAL NO.      | 7013   | TYPE               | Am Be    |
|                      |        | STRENGTH           | 3 Curies |