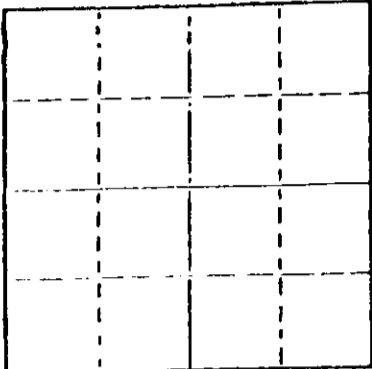


STATE OF KANSAS  
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to  
Conservation Division  
State Corporation Comm.  
245 North Water  
Wichita, KS 67202



Locate well correctly on above  
Section Plot

Barber County, Sec. 7 Twp. 31S Rge. 14W  
Location as "NE/CNW $\frac{1}{4}$ /SW $\frac{1}{4}$ " or footage from lines  
890' FNL & 990' FEL of SE/4  
Lease Owner National Crude, Inc.  
Lease Name Thunderbird Ranch North Well No. 4  
Office Address 7701 E. Kellogg-Suite 540, Wichita, KS  
Character of Well (Completed as Oil, Gas or Dry Hole) 67207

Dry Hole  
Date Well completed May 17, 1978  
Application for plugging filed Verbal Application 1978  
Application for plugging approved Verbal Approval 1978  
Plugging commenced May 17, 1978  
Plugging completed May 17, 1978  
Reason for abandonment of well or producing formation \_\_\_\_\_

If a producing well is abandoned, date of last production 1978

Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Wm. T. Owen  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 4,577  
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 |
|-----------|---------|------|----|---------|--------|------------|
|           |         |      |    | 10-3/4" | 219'   | None       |
|           |         |      |    |         |        |            |
|           |         |      |    |         |        |            |

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 hold. If cement or other plugs were used, state the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Filled hole with heavy rotary mud from 4,577 ft. (rotary total depth) to 210 ft. Set plug at 210 ft. and cemented with 50 sacks cement. Filled hole with heavy rotary mud from 210 ft. to 40 ft. Set solid plug at 40 ft. and cemented to cellar with 20 sacks cement, 3 sacks cement in rat hole.

Plugging operations accomplished utilizing Halliburton Oil Well cementing pump truck through 4 1/2 inch drill pipe.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Halliburton Services  
410 Union Center Bldg., Wichita, Kansas 67202

STATE OF Kansas COUNTY OF Sedgwick, ss.  
Dean Britting, Agent of owner ~~XXXXXXXXXXXXXXXXXXXX~~  
of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God)

(Signature) Dean Britting  
200 N. Main, Wichita, Kansas 67202  
(Address)

SUBSCRIBED AND SWORN TO before me this 30th day of May, 1978

Elsie Willison  
Elsie Willison - Notary Public.

My commission expires June 30, 1978



KANSAS DRILLERS LOG

COMPANY National Crude, Inc.

SEC. 7 T. 31S R. 14W  
LOC. 890' PNL & 990' FEL  
of SE/4

FARM Thunderbird Ranch NO. 4  
North

COUNTY Barber

ROTARY TOTAL DEPTH 4,577'  
COMM. May 5, 1978  
CONTRACTOR H-30, Inc.  
ISSUED May 30, 1978

COMP. May 17, 1978

CASING

10 3/4" Set at 219' cemented w/250 sxs cement  
8 5/8"  
5 1/2"  
4 1/2"

ELEVATION 1,647 K.B.

FIGURES INDICATE BOTTOM OF FORMATIONS

|                    |        |
|--------------------|--------|
| Sand               | 67'    |
| Shale and Red Bed  | 133'   |
| Red Bed            | 287'   |
| Red Bed and Shale  | 784'   |
| Shale              | 1,510' |
| Shale and Lime     | 1,998' |
| Shale              | 2,710' |
| Shale and Lime     | 3,445' |
| Lime               | 3,522' |
| Shale and Lime     | 3,865' |
| Lime and Shale     | 4,070' |
| Lime               | 4,577' |
| Rotary Total Depth | 4,577' |

RECEIVED  
STATE GEOLOGICAL SURVEY  
MAY 31 1978  
5-31-78

I hereby certify the above and foregoing to be  
a true and correct log of the above described  
well as shown by the drilling reports.

H-30, Inc.

*Dean Britting*  
Dean Britting

State of Kansas }  
County of Sedgwick } ss:

Subscribed and Sworn to before me a Notary Public  
in and for said county and state this 30th day of  
May, 1978.

NOTARY PUBLIC

*Elsie Willison*  
Elsie Willison - Notary Public

My Commission Expires:

June 30, 1978