

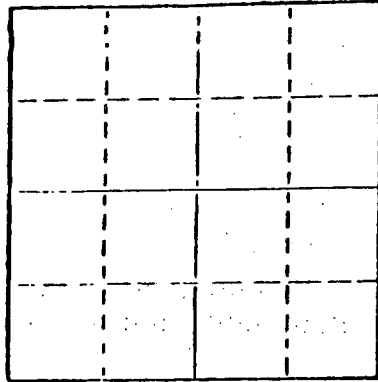
STATE OF KANSAS  
STATE CORPORATION COMMISSION

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

Rooks County, Sec. 28 Twp. 10S Rge. 18W  
Location as "NE/CNW $\frac{1}{4}$ /SW $\frac{1}{4}$ " or footage from lines  
SW SE NW

Lease Owner The National Oil Company  
Lease Name Bates Well No. 1  
Office Address Suite 550, O.W. Garvey Bldg., Wichita, KS  
Character of Well (Completed as Oil, Gas or Dry Hole) Dry Hole



Locate well correctly on above  
Section Plat

Date Well completed February 4, 1977  
Application for plugging filed Verbal Application 19\_\_  
Application for plugging approved Verbal Approval 19\_\_  
Plugging commenced February 4, 1977  
Plugging completed February 4, 1977  
Reason for abandonment of well or producing formation \_\_\_\_\_

If a producing well is abandoned, date of last production \_\_\_\_\_ 19\_\_

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 Leo F. Massey  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3670'  
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
<u>2-14-77</u>				<u>8-5/8"</u>	<u>244'</u>	<u>None</u>

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 3,670 ft. (rotary total depth) to 250 ft. Set plug at 250 ft. and cemented with 50 sacks cement.  
Filled hole with heavy rotary mud from 250 ft. to 240 ft. Set plug at 240 ft. and cemented with 20 sacks cement. Filled hole with heavy rotary mud from 240 ft. to 40 ft. Set solid plug at 40 ft. and cemented to cellar with 15 sacks cement, 5 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

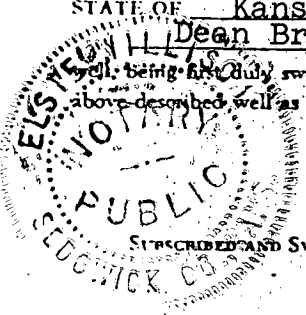
(Employee of owner) of ~~the~~ of the above-described well, being ~~and~~ sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature)

Dean Britting

200 No. Main, Wichita, Kansas 67202  
(Address)

Subscribed and sworn to before me this 11th. day of February, 19 77



My commission expires June 30, 1978

Elsie Willison

Notary Public.

KANSAS GEOLOGICAL SOCIETY API NO. - 15-163-20,666-00  
 KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU  
 KANSAS GEOLOGICAL SOCIETY BUILDING  
 508 EAST MURDOCK - WICHITA, KANSAS

COMPANY **The National Oil Company**

SEC. **28** T. **10S** R. **18W**  
 LOC. **SW SE NW**

FARM **Bates**

NO. **1**

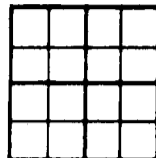
TOTAL DEPTH **3,670'**  
 COMM. **January 28, 1977**

COMP. **February 4, 1977**

COUNTY **Rooks**

KANSAS

SHOT OR TREATED  
 CONTRACTOR **H-30, Inc.**  
 ISSUED **February 11, 1977**



CASING

20 15 12 13	10 8-5/8" 244' cemented w/175 sxs cement 6 5	ELEVATION <b>2019' KB</b>
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PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Post Rock	80'
Shale	247'
Shale and Sand	515'
Red Bed	850'
Shale and Red Bed	1,365'
Shale and Lime	2,410'
Lime and Shale	2,603'
Shale and Lime	3,010'
Lime and Shale	3,350'
Lime	3,495'
Lime and Shale	3,653'
Lime	3,670'
Rotary Total Depth	3,670'

FEB 14 1977

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 11th. day  
 of February, 1977.



*Elsie Willison*  
 Elsie Willison - Notary Public

My Commission Expires:

June 30, 1978