

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCHAPI No. 15 — 007 — 20,282
County Number

Operator

National Oil Co.

Address

200 West Douglas, Suite 550, Wichita, Kansas 67202

Well No.

#1

Lease Name

Rusk Ranch

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Gabbert-Jones

Geologist

Walter Martz

Spud Date

11-20-74

Total Depth

4847'

P.B.T.D.

Date Completed

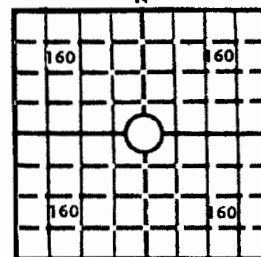
12-4-74

Oil Purchaser

S. 30 T. 31 R. 15 E
W

Loc. SW NW SE

County Barber

640 Acres
N

Locate well correctly

Elev.: Gr. 1969

DF KB 1974

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
	12-1/4"	8-5/8"	8 jts	319'	common	300	2% gel, 3% cc
		3-1/2"	157 jts	4846'	50-50 Posmix	150	18% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1 shot/ft.		4801-18'
TUBING RECORD					
Size	Setting depth	Packer set at			
1 1/2"	4808'				


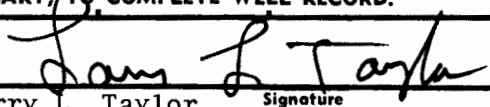
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized s/1,000 gal. 15% NE	4801-18'
Frac. w/2500# 20-40 sand	4801-18'

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	MCF		bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator National Oil Company - Amarex, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas																							
Well No. 1	Lease Name Rusk Ranch																								
S <u>30</u> T <u>31</u> S <u>15</u> W <u>E</u> SW NW SE																									
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.																							
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.																									
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">NAME</th> <th style="padding: 5px;">DEPTH</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="padding: 5px;"><u>Electric Log Tops</u></td> </tr> <tr> <td style="padding: 5px;">Heebner</td> <td style="padding: 5px;">4068 -2094</td> </tr> <tr> <td style="padding: 5px;">Tong. Zone</td> <td style="padding: 5px;">4226 -2252</td> </tr> <tr> <td style="padding: 5px;">Lansing</td> <td style="padding: 5px;">4246 -2272</td> </tr> <tr> <td style="padding: 5px;">B/KC</td> <td style="padding: 5px;">4628 -2654</td> </tr> <tr> <td style="padding: 5px;">Pawnee</td> <td style="padding: 5px;">4709 -2735</td> </tr> <tr> <td style="padding: 5px;">Ft. Scott</td> <td style="padding: 5px;">4751 -2777</td> </tr> <tr> <td style="padding: 5px;">Miss</td> <td style="padding: 5px;">4800 -2826</td> </tr> <tr> <td style="padding: 5px;">LTD</td> <td style="padding: 5px;">4848 -2874</td> </tr> <tr> <td style="padding: 5px;">RTD</td> <td style="padding: 5px;">4847 -2873</td> </tr> </tbody> </table>	NAME	DEPTH	<u>Electric Log Tops</u>		Heebner	4068 -2094	Tong. Zone	4226 -2252	Lansing	4246 -2272	B/KC	4628 -2654	Pawnee	4709 -2735	Ft. Scott	4751 -2777	Miss	4800 -2826	LTD	4848 -2874	RTD	4847 -2873
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DST #1, 4782-4812'; 30-60-60-90; GTS in 34"; gauged 6720 CFG in 10"; 7880 CFG in 20"; 8560 CFG in 30"; 8890 CFG in 40" and stablized. Rec. 60' OCM; ISIP 1420; FSIP 1577; IFP 42-42; FFP 25-25. DST #2, 4812-4827'; 30-60-60-90; GTS in 85", gauged 4120 CFG in 90"; Rec. 60' OCM; IFP 25-25; FFP 17-17; ISIP 1048; FSIP 1264.																									
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.																									
Date Received 	<div style="text-align: center;">  <hr/> Larry L. Taylor Signature <hr/> Exploration Manager Title <hr/> September 8, 1975 Date </div>																								

GABBERT -JONES, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

30-31-15W

15-007-20282

RECEIVED
STATE CORPORATION COMMISSION

DEC 13 1974
CONSERVATION DIVISION
Wichita, Kansas

Rusk Ranch

Rush Ranch #1

1tp' SE of NW-NW-SE

Sec 30-31-15W

SW-NW-SE

Barber County Kansas

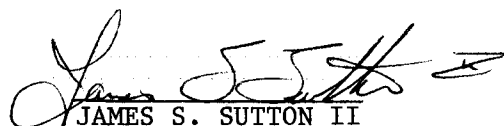
Commenced: 11-20-74

Completed: 12-4-74

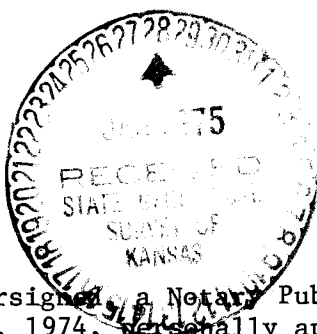
OPERATOR: NATIONAL OIL CO.

Depth From	to	Formation	Remarks
0	40	Gyp-Sand	Ran 8 jts of used 8 5/8" csg.
40	200	Redbed	set @ 319' Cemented w/
200	320	Redbed-Shells	300 sks Common 2% Gel
320	1050	Redbed	3% CC PD @ 6:45 p.m.
1050	1735	Redbed-Shale-Shells	11-20-74
1735	2200	Shale-Shells	
2200	2870	Lime	
2870	3785	Lime-Shale	
3785	3910	Shale-Lime	Ran 157 jts of 3 1/2" tubing
3910	4070	Lime-Shale	set @ 4846' Cemented w/
4070	4145	Lime	150 sks 50/50 Posmix
4145	4260	Shale-Lime	18% Salt PD @ 6:15 a.m.
4260	4847	Lime	12-4-74
	4847 TD		

I, James S. Sutton II, certify this is a correct copy of the Drillers' Log for the well drilled 150' SE of NW-NW-SE Sec 30-31S-15W Barber County Kansas to the best of my knowledge and belief.

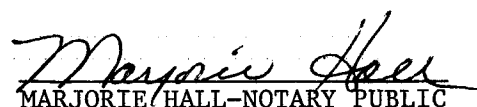

JAMES S. SUTTON II

STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)



Before me, the undersigned, a Notary Public within and for said County and State, on this 11th day of December, 1974, personally appeared James S. Sutton II to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.


MARJORIE HALL-NOTARY PUBLIC



Commission Expires: November 29th, 1975.