

15-007-20483

Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

S. 21 T. 30S R. 13W^E_W
Loc. 100' W of NE NE SE
County Barber

API No. 15 — 007 — 20,483
County Number

Operator
National Oil Company

Address
200 W. Douglas, Suite 550, Wichita, KS 67202

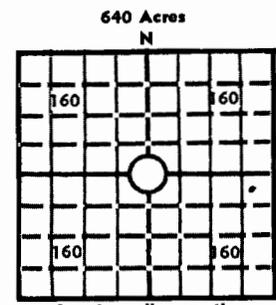
Well No. 1 Lease Name JJ Ranch

Footage Location
2310 feet from ~~XX~~ (S) line 430 feet from (E) ~~XX~~ line

Principal Contractor H-30, Inc. Geologist Benny Singleton

Spud Date April 4, 1977 Total Depth 4446 P.B.T.D. 4195

Date Completed April 16, 1977 Oil Purchaser



Locate well correctly
Elev.: Gr. 1802
DF 1804 KB 1807

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
Surface		10-3/4		354		250	2% gel, 3% cc
Production		4-1/2		4241	60-40 Poz	150	18% salt, 10#/sx gils

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			12	DP Jets	4152-58'

Size	Setting depth	Packer set at
2-3/8	4140	4140

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gal 28% acid	4152-58'

INITIAL PRODUCTION

Date of first production May 16, 1977 Producing method (flowing, pumping, gas lift, etc.)

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	none bbls.	300 MCF	none bbls.	CFPB

Disposition of gas (vented, used on lease or sold) Producing interval (s) 4152-58'

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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator
National Oil Company

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:
GAS

Well No.
1

Lease Name
JJ Ranch

S 21 T 30S R 13W^E_W 100' W of NE NE SE

WELL LOG

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.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1, 3904-50'; 30-45-60-45; GTS in 5"; Gauged thru 3/4" choke 259 MCF in 10", 384 MCF in 20", 384 MCF in 30"; 2nd opening 411 MCF in 10", 424 MCF in 20", 424 MCF in 30", stab; Rec 280' GCMW; ISIP 1406; FSIP 1390; IFP 86-126; FFP 118-157; T 115°.			Log Tops	
			Ind Cave	2764 -957
			Ind Cave Sd	2777 -970
			Woodsiding	2821 -1014
			Howard	3156 -1349
			Topeka	3312 -1505
DST #2, 4055-66'; 30-45-60-45; GTS in 4" thru 1/2" choke; Gauged 153 MCF in 10", 200 MCF in 20", 208 MCF in 30"; 2nd opening 189 MCF in 10", 216 MCF in 20", 222 MCF in 30", stab; Rec 60' GCM; ISIP 1132; FSIP 1124; IFP 55-71; FFP 55-71; T 120°.			Heebner	3689 -1882
			Brown Lime	3842 -2035
			Lansing	3864 -2057
			B/Ks City	4257 -2450
			Massey	4261 -2454
			Mississippi	4283 -2476
			Kinderhook	4342 -2535
DST #3, 4148-70'; 30-45-60-45; GTS in 4"; Gauged thru 1" choke; 527 MCF in 10", 577 MCF in 20", 603 MCF in 30"; 2nd opening 577 MCF in 5", 652 MCF in 10", 652 MCF in 20", stab; Rec 25' GCM; IBHP 1142; FBHP 1102; IFP 80-100; FFP 100-100; T 123°.			Viola	4404 -2597
DST #4, 4253-4300'; 30-45-60-45; Str blow thruout; Rec 20' GCM; IBHP 441; FBHP 511; IFP 40-40 FFP 30-45; T 124°.				
DST #5, 4309-30'; 30-45-60-45; Gd blow; Rec 20' GCM w/SSO; BHP 150-100; IFP 30-30; FFP 30-30; T 126°.				
DST #6, 4406-46'; 30-45-60-45; Rec 330' GCMW; ISIP 366; FSIP 371; IFP 271-341; FFP 34-341; T 132°.				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Bill C. Romig
Signature

Geologist
Title

July 18, 1977
Date

COMPANY **The National Oil Company**

SEC. 21 T. 30S R. 13W
LOC. NE NE SE

FARM **J. J. Ranch** NO. 1

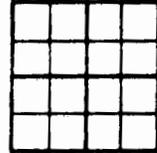
TOTAL DEPTH **4,446'**
COMM. **April 6, 1977**

COMP. **April 16, 1977**

COUNTY **Barber**

KANSAS

SHOT OR TREATED
CONTRACTOR **H-30, Inc.**
ISSUED **April 22, 1977**



CASING

20	10-3/4" 354'	cemented w/250 sxs cement
15	8	
12	6	
13	5	

ELEVATION **1807' K.B.**

PRODUCTION

4 1/2" 4,241' cemented w/150 sxs cement
FIGURES INDICATE BOTTOM OF FORMATIONS

Top Soil and Sand	50'
Sand and Red Bed	354'
Shale and Red Bed	1,190'
Shale and Shells	1,555'
Shale and Lime	2,165'
Lime and Shale	2,384'
Shale and Lime	3,092'
Lime and Shale	4,066'
Lime	4,330'
Lime and Chert	4,446'
Rotary Total Depth	4,446'

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 Sedgewick } ss: