

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

15-007-20465

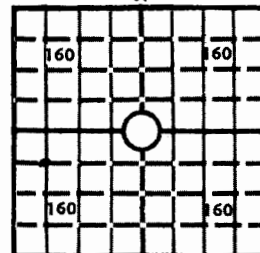
API No. 15 — 007 — 20,465
County Number

S. 4 T. 31S R. 13W E W

Loc. C NW SW

County Barber

640 Acres
N



Locate well correctly

Elev.: Gr. 1752

DF KB 1764

Operator
National Oil Company

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

Well No. 1 Lease Name Ketner

Footage Location
1980 feet from (N) (S) line 660 feet from (E) (W) line

Principal Contractor Sweetman Drilling, Inc. Geologist Eldon Schierling & Bill Sladek

Spud Date February 8, 1977 Total Depth 4780 P.B.T.D. 2951

Date Completed February 20, 1977 Oil Purchaser

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		8-5/8		245		250	
Production		4-1/2		2995	60-40 Poz	125	18% salt, 10#/sx gils, 3/4% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			12	Jets	2775-79'

Size	Setting depth	Packer set at
2-3/8	2757	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
100 gal Acetic Acid	On Btm

INITIAL PRODUCTION

Date of first production May 17, 1977 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS	Oil none bbls.	Gas 350 MCF	Water none bbls.	Gas-oil ratio CFPB
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Disposition of gas (vented, used on lease or sold) Producing interval (s) 2775-79'

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

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

GAS

Well No.

1

Lease Name

Ketner

S 4 T 31 S R 13 W E

C NW SW

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, 2629-2763'; 30-30-30-30; Rec 125' MW; ISIP 1011; FSIP 981; IFP 90-112; FFP 112-150.			<u>Log Tops</u>	
			Herrington	2001 -237
			Towanda	2122 -358
DST #2, 2761-2800'; 30-45-80-90; GTS in 10"; Gauged 2,140 MCF immediately thru 1st open period, in 14" gauged 1,123 MCF, in 19" gauged 1,123 MCF, in 30" 1,274 MCF; 2nd opening 10" gauged 1,760 MCF, 20" 1,760 MCF, 30" 1,694 MCF, 40" 1,626 MCF, 50" 1,694 MCF & stab thru remaining test. Rec 290' SW; ISIP 1091; FSIP 1061; IFP 210-280; FFP 260-321; IHP 1398; FHP 1366.			Ft. Riley	2176 -412
			Florence	2215 -451
			Wreford	2318 -554
			Cottonwood	2487 -723
			Foraker	2650 -886
			Indian Cave	2761 -997
			Ind Cave Sd	2772 -1008
			Stotler	2954 -1190
			Tarkio	3010 -1246
			Topeka	3182 -1418
DST #3, 3831-45'; 30-45-60-60; Str blow thruout Rec 2790' SGCSW; ISIP 1434; IFP 164-777; FSIP 1434; FFP 777-1228; IHP 1846; FHP 1846.			Heebner	3692 -1929
			Douglas Sd	3827 -2063
			Lansing	3864 -2100
			Black Sh	4215 -2451
			Massey	4311 -2547
DST #4, 4350-95'; 30-45-60-60; Str blow thruout; Rec 10' O&MCO, 980' wtr; IFP 65-270; ISIP 1623; FFP 270-491; FSIP 1591; IHP 2090; FHP 2074.			Unconformity Sand	4354 -2590
			Mississippi	4378 -2614
			Viola	4502 -2738
			Simpson Sh	4611 -2847
DST #5, 4517-40'; 30-45-60-60; Rec 30' MW, 328' SW IFP 41-124; ISIP 1340; FFP 124-186; FSIP 1299; IHP 2173; FHP 2173.			Simpson Sd	4623 -2859
			Arbuckle	4717 -2953

USE ADDITIONAL SHEETS, IF NECESSARY TO COMPLETE WELL RECORD.

Date Received

Signature

Geologist

Title

July 18, 1977

Date