

ANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

API No. 15 — 007 — 20,908
County Number

Operator Kansas Oil Corporation

Address 250 N. Rock Road, Suite 300, Wichita, KS 67208

Well No. #1 Lease Name Root

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

Principal Contractor Abercrombie Geologist Robert L. Laymon

Spud Date 6/24/80 Date Completed 11/24/80 Total Depth 4640' P.B.T.D.

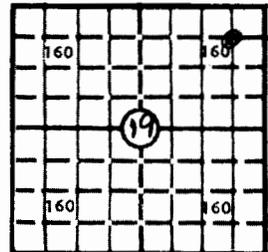
Directional Deviation No. Oil and/or Gas Purchaser Kansas Power and Light

S. 19 T. 33 R. 12W E W

Loc. NE NE

County Barber

640 Acres
N



Locate well correctly

Elev.: Gr. 1576'

DF 1580 KB 1582'

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"		358'	common	250	3%gel 2%cc
Production		4 1/2"		4616'	60-40 posmix	250	2%gel 10%acid

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		4506-4516

Size	Setting depth	Pecker set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acid w/ 1000 gals. mud acid. Frac: w/ 35,500# Snd + 38,000 gals 180MSCF	4506-4516

INITIAL PRODUCTION

Date of first production <u>8-20-81</u>	Producing method (flowing, pumping, gas lift, etc.) <u>pumping</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>15</u> bbls. Gas <u>150</u> MCF Water <u>5</u> bbls. Gas-oil ratio <u> </u> CFPB
Disposition of gas (vented, used on lease or sold) <u>sold</u>	Producing interval (s) <u>4506-16</u>

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, 245 No. Water, Wichita, Kansas 67202. 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
 Kansas Oil Corporation

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

Well No.
 #1

Lease Name
 Root

Oil and Gas

S 19 T 33 R 12 W E

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
Heebner	3773			
Douglas	3865			
Lansing	3940			
Dennis	4343			
Swope	4371			
Hertha	4400			
Miss.	4502			
DST#1, 4501-4530, 30-30-30-30, IHP 2258, IFP 40-40 psi., ISIP 64 psi., FFP 40-40 psi., FSIP 40 psi., Fhp 2244 psi., Rec. 5' M.				

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

Date Received

Michael R. Bryan
 Signature

Michael R. Bryan
 Title

5/20/81
 Date

19-33-12W

State Geological Survey
WICHITA BRANCH

CONTRACTOR'S WELL LOG

OPERATOR: Kansas Oil Corporation
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: ROOT #1
 LOCATION: *CANE* NE NW NW, Section ~~22~~¹⁹-33S-12W
 Barber County, Kansas
 SPUD DATE: 06-24-80
 COMPLETION DATE: 07-03-80

0	340	Surface Clay & Red Beds
340	911	Red Beds
911	1447	Lime & Shale
1447	1729	Shale & Lime
1729	4640	Lime & Shale
	4640	Rotary Total Depth

Spud hole at 6:45 p.m. on 06-24-80. Drilled 402' in a 12-1/4" hole. Came out of hole. Ran bit #1 7-7/8" security S-3 at 7:00 a.m. 06-25-80. Drilling at 783', ratholing ahead. Ran 9 joints of new 8-5/8" - 20# casing (tally 358.60). Set at 368.60. Cemented with 250 sacks of common, 3% gel, 2% c.c. Cement did circulate. Plug was down at 11:15 a.m. on 06-25-80.

T.D. 4640'. Ran 105 joints of 4-1/2" - 10-1/2# used casing. Set @ 4616' with 250 sx. of 60/40 posmix, 2% gel, 10% salt. Completed @ 2:00 p.m. 07-03-80.

STATE OF KANSAS)
) SS
 COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the ROOT #1, NE NW NW, Section 20-33S-12W, Barber County, Kansas.

ABERCROMBIE DRILLING, INC.

BY: *Jack L. Partridge*
 Jack L. Partridge, Asst. Sec.-Treas.