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KANSAS DRILLERS LOG

API No. 15 — 165 — 20,813
County Number

Operator
Abercrombie Drilling, Inc.

Address
801 Union Center, Wichita, KS 67202

Well No. #1 Lease Name OELKERS

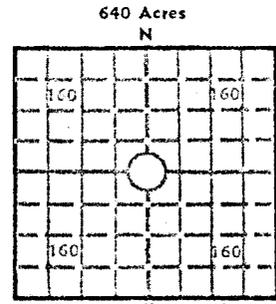
Footage Location
990' feet from (N) line 990' feet from (E) line

Principal Contractor Abercrombie Drilling, Inc. Geologist Orlin Phelps

Spud Date 11/19/89 Total Depth 3880' P.B.T.D.

Date Completed 11/28/80 Oil Purchaser

S. 19 T. 16S R. 19W E
Loc. NW SE SE
County Rush County



Elev.: Gr. 2080'
DF 2083' KB 2085'

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	12 1/4"	8 5/8"	20#	321' K.B.	Common	225 sx.	2% gel, 3% c.c.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

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

Operator		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. #1	Lease Name OELKERS	Dry Hole
S19 T 16SR19W ^E _W		

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
Sand & Clay	0	825	SAMPLE TOPS	
Cedar Hill Sand	825	1005		
Shale	1005	1334	Anhydrite	1334'
Anhydrite	1334	1369	B/Anhydrite	1369'
Shale	1369	3235	Heebner	3414' (-1329)
Shale & Lime	3235	3575	Toronto	3432' (-1347)
Lime	3575	3750	Lansing	3456' (-1371)
Lime & Shale	3750	3880	BKC	3718' (-1633)
RTD		3880	Arbuckle	3830' (-1745)
			Arbuckle	3842' (-1757)
DST #1 (3795'-3832'). 30", 45", 30", 30". Rec. 15' Mud; IFP 29#-19#, IBHP 337#, FFP 19#-19#, FBHP 505#.			ELECTRIC LOG TOPS:	
DST #2 (3794'-3845'). Open 30", shut in 45", open 60", shut in 45' ISP 608#, ISFP 68#-77#, FSP 470#, FFP 77#-85#.			Anhydrite	1333' (+752)
DST #3 (3469'-3498'). 30", 45", 60", 45". IFP 49#-257#, ISIP 1203#, FFP 287#-555#, FSIP 1194#.			B/Anhydrite	1379' (+706)
DST #4 (3469'-3512'). 30", 45", 60", 45". IFP 99#-119#, ISIP false, FFP 119#-119#, FSIP 1096# Recovered 180' muddy water.			Heebner	3415' (-1330)
			Lansing	3462' (-1337)
			B/Kansas C.	3722' (-1637)
			Rework: Ar.	3816' (-1731)
			Arbuckle	3828' (-1743)
			RTD	3880'
			LTD	3881'

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

Date Received	<p align="center"><i>Jack L. Partridge</i> Signature</p> <p align="center">Jack L. Partridge Assistant Secretary/Treasurer Title</p> <p align="center">December 10, 1980 Date</p>
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