

**IMPORTANT**  
 Kans. Geol. Survey Request  
 Samples of this well.

15-109-20, 098

**KANSAS DRILLERS LOG**

S. 35 T. 13 R. 33 <sup>X</sup>W  
 Loc. C E2 W2 SW  
 County Logan

API No. 15 — 109 — 20,098  
 County Number

Operator  
Abercrombie Drilling, Inc. and Moble C. Hoover

Address  
801 Union Center Wichita, Kansas 67202

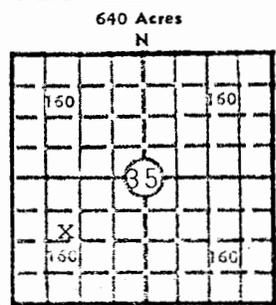
Well No. #3 Lease Name Smoky Valley

Footage Location  
1320 feet from (N) (S) line 3960 FGL-KCC  
990 feet from (E) (W) line

Principal Contractor Abercrombie Drilling, Inc. Geologist K. Greg Cheney

Spud Date February 28, 1978 Total Depth 4520 P.B.T.D. 3810

Date Completed April 4, 1978 Oil Purchaser Koch



Elev.: Gr. 2872  
 DF 2875 KB 2877

**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	12½"	8-5/8"	28#	266.92'	Common	190	2% gel 3% CaCl
Production	7-7/8"	4½"	10½#		Common	50	
					50/50 Posmix	200	2% gel salt saturated

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		3794' - 3798'

**TUBING RECORD**

Size	Setting depth	Packer set at

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
500 gallons, 15% Non-E	3794' - 3798'

**INITIAL PRODUCTION**

Date of first production <u>State test 10-19-78</u>		Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>			
RATE OF PRODUCTION PER 24 HOURS	Oil <u>25</u> bbls.	Gas <u>        </u> bbls.	Water <u>23</u> bbls.	Gas-oil ratio	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s) <u>3794' - 3798'</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, 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  
Abercrombie Drilling, Inc., and Moble C. Hoover

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

Oil Well

Well No. 3 Lease Name Smoky Valley

S 35 T 13S R 33 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 & shale	0	2317	SAMPLE TOPS:	
Anhydrite	2317	2344	Anhydrite	2318' (+ 559)
Sand & shale	2344	2538	B/Anhydrite	2344' (+ 533)
Shale & shells	2538	2888	Toronto	3791' (- 914)
Shale & lime	2888	3483	Lansing	3818' (- 941)
Lime & shale	3483	3740	Stark Shale	4082' (-1205)
Lime	3740	3787	B/KC	4159' (-1282)
Shale & lime	3787	3797	Fort Scott	4340' (-1463)
Lime	3797	4077	Cherokee	4366' (-1489)
Lime & shale	4077	4162	Johnson Zone	4412' (-1535)
Lime	4162	4520	Miss.	4502' (-1625)
Rotary Total Depth		4520	RTD	4520' (-1643)
<p>DST#1 (3665-3701) 15", 45", 60", 45". Rec. 493' clean gassy oil, 93' ocm (15% oil, 83% mud). IFP 43-65, IBHP 1180, FFP 109-196, FBHP 1138.</p> <p>DST#2 (3751-3787) 15", 45", 45", 45". Rec. 707' muddy salt water with scum oil (35% mud), 5' mud. IFP 65-120, IBHP 1180, FFP 174-338, FBHP 1138.</p> <p>DST#3 (3783-3797) 15", 45", 60", 45". Rec. 164 gip, 833 clean frothy oil, 40' mud and oil cut water (20% oil - 70% wtr) IFP 43-120, IBHP 1170, FFP 174-349, FBHP 1107.</p> <p>DST#4 (3809-3826) 15", 45", 60", 45". Rec. 186' C frothy oil, 372' mud 7 wco (75% oil - 20% water) 62' mud &amp; ocw (5% oil - 85% water) 602' water. IFP 109-196, IBHP 1191, FFP 272-565, FBHP 1191.</p> <p>DST#5 (3848-3868) 15", 45", 45", 45". Rec. 5' mud, 65' muddy water. IFP 32-32, IBHP 1191, FFP 32-43, FBHP 1128.</p> <p>DST#6 (3877-3919) 30", 45", 60", 45". Rec. 5' mud, 185' oil spotted muddy water. IFP 32-43, IBHP 1107, FFP 65-109, FBHP 1002.</p>			<p>ELECTRIC LOG TOPS:</p> <p>Anhydrite 2318' (+ 559)</p> <p>B/Anhydrite 2339' (+ 538)</p> <p>Howard 3502' (- 625)</p> <p>Topeka 3554' (- 677)</p> <p>Heebner 3783' (- 906)</p> <p>Toronto 3794' (- 917)</p> <p>Lansing 3817' (- 940)</p> <p>Stark Shale 4086' (-1209)</p> <p>B/KC 4158' (-1281)</p> <p>Fort Scott 4340' (-1463)</p> <p>Cherokee 4366' (-1489)</p> <p>Johnson Zone 4410' (-1533)</p> <p>Miss. 4490' (-1613)</p> <p>ELTD. 4521' (-1644)</p>	

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

Date Received

*Jack L. Partridge*  
Signature

Jack L. Partridge, Assistant Secretary-Treasurer

Title

November 13, 1978

Date