

**KANSAS DRILLERS LOG**

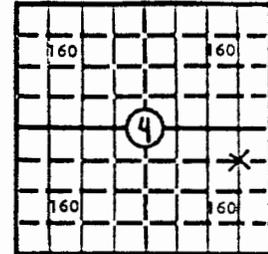
**State Geological Survey**  
WICHITA, BRANCH

S. 4 T. 16S R. 28 W

Loc. C NE SE

County Lane

640 Acres  
N



Locate well correctly

Elev.: Gr. 2579'

DF 2584' KB 2587'

API No. 15 — 101 — 20,178  
County Number

Operator  
Abercrombie Drilling, Inc.

Address  
801 Union Center, Wichita, Kansas 67202

Well No. #1 Lease Name SHANLINE

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

Principal Contractor Abercrombie Drilling, Inc. Geologist Benny Singleton

Start Date May 22, 1976 Total Depth 4400' P.B.T.D.

Time Completed June 2, 1976 Oil Purchaser Unknown

**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"		237'	Common	160	2% gel, 3% ca. cl.
Production csg.		4 1/2"		4415'	50/50 Posmix	50	2% gel, 8# gil.
					Common	200	10% salt, fric. reducer

**LINER RECORD**

**PERFORATION RECORD**

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

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.)			
DATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio	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 Abercrombie Drilling, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. #1	Lease Name SHANLINE	OIL
S 4 T 16S R 28 E W		

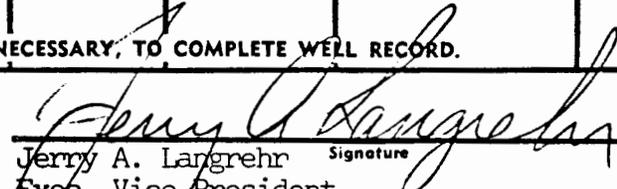
**WELL LOG**

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
Surface Sand & Shale	0	237	ELECTRIC LOG	TOPS:
Shale & Sand	237	1400		
Red bed shale	1400	1990	Anhydrite	1996'
Shale & Sand	1990	2520	B/Anhydrite	2030'
Lime & Shale	2520	3105	Heebner	3746'
Shale & Lime	3105	3278	Toronto	3766'
Lime	3278	3500	Lansing	3783'
Lime & Shale	3500	3790	Stark Shale	4032'
Lime	3790	4085	B/KC	4105'
Lime & Shale	4085	4165	Marmaton	4127'
Lime	4165	4400	Fort Scott	4286'
Rotary Total Depth		4400	Cherokee	4312'
			Cherokee Sd.	4362'
			Mississippian	4386'
			RTD	4400'
			ELTD	4416'
<p>DST #1 (3760'-3790') 30", 45", 60", 45"            Strong blow. 1466' salt water, IFP 59-239#; IBHP 1152#; FFP 273-496#; FBHP 1117#. Temp. 109°</p> <p>DST #2 (3911'-3976') 30", 45", 60", 45"            Strong blow - Rec. 1280' SW with few spots oil. IFP 85-271#; IBHP 2104#; FFP 299-531#; FBHP 1186#. Temp. 111°</p> <p>DST #3 (3983'-4055') 30", 45", 60", 45"            Strong blow. Rec. 60' GIP, 150' G &amp; SOC wtry. mud, 300' GCMW w/scum oil, 390' GCSW. IFP 111-256#; IBHP 1117#; FFP 282-436#; FBHP 1065#. Temp. 120°</p> <p>DST #4 (4271'-4300') 30", 45", 60", 45"            Strong blow. GTS. 90". Rec. 330' oil, 240' G &amp; OCM. IFP 85-136#; IBHP 1204#; FFP 145-256#; FBHP 1178#. Temp 122°</p> <p>DST #5 (4030'-4050') Straddle Packers - 30", 45", 60", 60". Rec. 330' GIP, 15' oil, 175' GC muddy wtr. w/show oil, 240' GCW w/scum oil, 180' wtr. IFP 25-128#; IBHP 1083#; FFP 166-299#; FBHP 1048#; Running Prod. casing to 4416'.</p>				

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

Date Received	 Jerry A. Langrehr Exec. Vice President
	Title June 8, 1976 Date