

State Geological Survey  
WICHITA, BRANCH

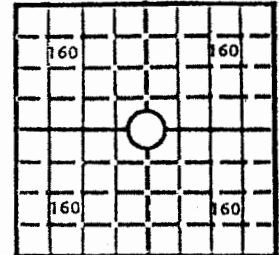
KANSAS DRILLERS LOG

S. 28 T. 11S R. 33W E  
W

Loc. C SW SW

County Logan County, Kansas

640 Acres  
N



Locate well correctly  
Elev.: Gr. 3094'  
DF 3097' KB 3099'

API No. 15 — 109 — 20,070  
County Number

Operator  
A. L. Abercrombie, Inc.

Address  
801 Union Center, Wichita, Kansas 67202

Well No. 1 Lease Name HUBERT

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

Principal Contractor Abercrombie Drilling, Inc. Geologist Jack K. Wharton

Spud Date 2-01-77 Total Depth 4760' P.B.T.D.

Date Completed 3-03-77 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	12 1/4"	8 5/8"	28#	272.29'	Common	200 Sx.	2% gel, 3% Ca. Cl.
Production	7 7/8"	4 1/2"	10 1/2#	4763'	50/50 posmix Common	25 250	2% gel, 12# Gil/sx 10% Salt with Friction Reducer

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.) Pumping
RATE 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 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 HUBERT	Oil Well
S 28 T 11R 33W		

**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	357	<u>SAMPLE TOPS:</u>	
Shale & Sand	357	2574		
Anhydrite	2574	2625	Anhydrite	2574' (+525)
Shale & Lime	2625	3591	B/Anhydrite	2625' (+474)
Lime & Shale	3591	4088	Heebner	3989' (-890)
Shale & Lime	4088	4090	Toronto	4010' (-911)
Lime	4090	4125	Lansing	4030' (-931)
Lime & Shale	4125	4185	Stark Shale	4250' (-1151)
Lime	4185	4253	B/KC	4311' (-1212)
Shale & Lime	4253	4270	Marmaton	4339' (-1240)
Lime	4270	4760	Pawnee	4454' (-1355)
Rotary Total Depth		4760	Upper. Cher.	4502' (-1403)
			<u>ELECTRIC LOG TOPS:</u>	
DST #1 (4045-4090') 30", 45", 60", 45". Weak blow throughout test. Rec. 185' slightly oil speced muddy water. IFP 13-54, IBHP 1281, FFP 65-97, FBHP 1259. Temp. 112°			Anhydrite	2578' (+521)
DST #2 (4161-4200') 30", 45", 60", 45". Weak blow increasing to fair. Rec. 330' gip. 50' free oil, 160' muddy oil. IFP 32-43, IBHP 1356, FFP 65-86, FBHP 1334.			B/Anhydrite	2603' (+496)
DST #3 (Straddle Test) (4100-4141') 30", 45", 60", 45". Weak blow throughout. Rec. 30' mud. IFP 32-32, IBHP 1302, FFP 43-43, FBHP 1291.			Heebner	3988' (-889)
DST #4 (4198-4230') 30", 45", 60", 45". Weak blow throughout test. Rec. 80' gip, 40' mco (50% oil, 50% mud) IFP 32-32, IBHP 130, FFP 43-43, FBHP 97. Temp. 115°			Toronto	4012' (-913)
DST #5 (4226-4253') 15", 45", 60", 45". Strong blow. Gas to surface in 60 min. Rec. 1970' fluid, 1800' clean gassy oil, 170' frothy oil. IFP 97-292, IBHP 1366, FFP 335-733, FBHP 1313. Temp. 115°			Lansing	4033' (-934)
			Stark Shale	4250' (-1151)
			B/KC	4310' (-1211)
			Marmaton	4344' (-1245)
			Pawnee	4452' (-1353)
			Cher.-Johnson Zone	4579' (-1480)
			Chero. Sand	4638' (-1539)
			Mississippian	4650' (-1551)
			RTD	4760'
			ELTD	4763'

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD

Date Received	<p align="center"><i>Jerry A. Langreim</i>          Jerry A. Langreim <small>Signature</small>          Executive Vice-President  <small>Title</small>          March 4, 1977  <small>Date</small></p>
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