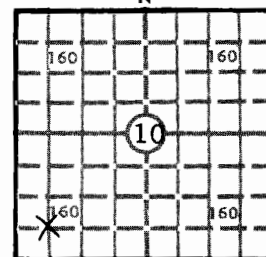


KANSAS DRILLERS LOG

State Geological Survey
WICHITA, KANSAS10-1-26E
S. 10 T. 1S R. 26 E

Loc. C SW SW

County Decatur

640 Acres
N

Locate well correctly

Elev.: Gr. 2450

DF 2456 KB 2458

API No. 15 — 039 — 20,262
County Number

Operator

A. L. Abercrombie, Inc.

Address

801 Union Center, Wichita, Kansas 67202

Well No.

1

Lease Name

Huff "D"

Footage Location

660 feet from (X) (S) line 660 feet from (X) (W) line

Principal Contractor

Abercrombie Drilling, Inc.

Geologist

Jack K. Wharton

Spud Date

April 21, 1973

Total Depth

3545'

P.B.T.D.

3509'

Date Completed

May 19, 1973

Oil Purchaser

Rock Island

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 Casing	12½"	8-5/8"	28#	214'	Common	170	2% gel
Production Csg.	7-7/8"	4-1/2"	14#	3543'	50/50 posmix Common	50 100	8# gel/Sack 2% gel, 10% salt 4# friction reducer

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		3415-3418
			4		3284-3287
Size	Setting depth	Packer set at			

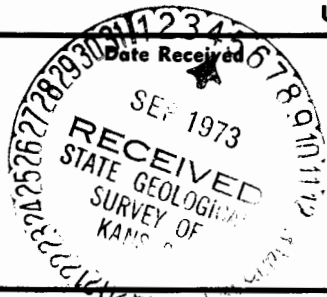
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gal. 15% non-E, 500 gal. 7½% non-E	3415-3418
1000 gas 15% non-E	3284-3287

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
7-2-73	Pumping				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	84 bbls.	MCF	16% bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
			3415-18 3284-3287		

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 A. L. Abercrombie, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 1	Lease Name Huff "D"		
S 10 T 1S R 26 K W		Oilwell	
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME DEPTH
DST #1 (3206-3254) 15"-45"-60"-45". Rec. 5' clean oil, 240' OC wtry mud. IFP 42-53#, IBHP 909#, FFP 74-117#, FBHP 857#. BHT 98°.			ELECTRIC LOG TOPS Anhydrite 1926 B/Anhydrite 1956 Heebner 3200 Toronto 3234 Lansing 3244 B/Kansas City 3450 Lawson Sd. Zone 3516 Reagan Sand 3542 (Sample) ELTD 3537
DST #2 (3274-3295) 15"-45"-60"-45". Rec. 30' clean oil, 30' HOCM. IFP 21-21#, IBHP 983#, FFP 31-38#, FBHP 665#.			
DST #3 (3332-3400) 15"-45"-60"-45". Rec. 1246' O&GC Wtr. IFP 245-533#, IBHP 763#, FFP 627-742#, FBHP 763#.			
DST #4 (3399-3430) 15"-45"-60"-45". Rec. 693' BIP, 441' clean oil, 390' mdy oil, 150' WCO and 30' water. IFP 95-149#, IBHP 926#, FFP 223-348#, FBHP 752#. BHT 98°.			
DST #5 (3518-3545) 15"-45"-60"-45". Rec. 10' VHOCM, 175' mud and 620 water. IFP 31-47#, IBHP 867#, FFP 53-106#, FBHP 826#. BHT 96'			
Clay	0	62	
Flint	62	72	
Shale & Sand Streaks	72	470	
Shale	470	860	
Sand	860	965	
Shale	965	1100	
Sand	1100	1700	
Shale & Sand Streaks	1700	1924	
Anhydrite	1924	1951	
Shale, Lime & Sand	1951	2168	
Shale	2168	2970	
Lime & Shale	2970	3305	
Shale & Lime	3305	3400	
Lime	3400	3545	
Rotary Total Depth		3545	
LOG TOPS:			
			1926
			1956
			3200
			3234
			3244
			3450
			3516
			3542
			3537
			3545
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
		 Jack K. Wharton Signature Geologist Title July 30, 1973 Date	