IMPORTANT
Kans. Geo. Survey request samples on this well.

KANSAS DRILLERS LOG

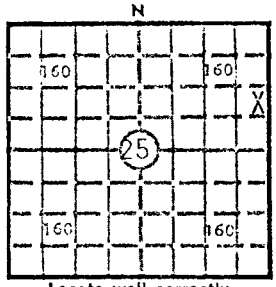
S. 25 T. 16 R. 21 E/W

API No. 15 — 135 (County) — 21,742 (Number)

Loc. NE SE NE

County NESS

640 Acres
N



Locate well correctly

Operator: Ambercrombie Drilling Co.

Address: 801 Union Center, Wichita, KS 67202

Well No.	Lease Name
1	Grumbein

Footage Location: 1650' feet from XX (S) line — 330' feet from XX (W) line

Principal Contractor	Geologist
Abercrombie Drilling Inc.	Ralph White

Spud Date	Total Depth	P.B.T.D.
February 21, 1980	4135'	4075'

Date Completed	Oil Purchaser
February 28, 1980	Clear Creek, Inc.

Elev.: Gr. 2175'

DF 2178' KB 2180'

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	12¼"	8-5/8"	20#	288.81	common	200	3% Ca.Cl. 2% gel.
Production	7-7/8"	4½"	10½#	4133'	50/50 posmix common	50 150	2% gel, 12½# gilsonite/sack - 2% gel salt saturated

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4		4022-4026

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
None	

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
	145 bbls.	MCF	None bbls.	CFPB

Disposition of gas (vented, used on lease or sold):

Producing interval(s): 4022-4026

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.

C-10-1972

Operator	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Abercrombie Drilling, Inc.	Oil

Well No.	Lease Name
1	Grumbein

S 25 T 16S R 21W 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
Sand and shale	0	1462
Anhydrite	1462	1492
Shale and red bed	1492	1690
Sand and shale	1690	2125
Shale	2125	2423
Shale and lime	2423	2513
Lime and shale	2513	4135
Rotary Total Depth		4153
DST #1 (4000-4040') 30", 45", 45" 60" Rec. 300' gip, 1700' oil, 500' mdy oil, 190' wtr cut oil (15 to 50% wtr) and 360' wtr. IFP 565-875, IBHP 1083, FFP 953-1039, FBHP 1083. Temp. 116°		

NAME	DEPTH
SAMPLE TOPS:	
Anhydrite	1462'(+ 718)
B/Anhydrite	1492'(+ 687)
Heebner	3555'(-1375)
Lansing	3598'(-1418)
Cher. Shale	4011'(-1831)
Cher. Sand	4030'(-1850)
ELECTRIC LOG TOPS:	
Anhydrite	1468'(+ 712)
Heebner	3556'(-1376)
Lansing	3600'(-1420)
Cher. Shale	4002'(-1822)
Cher. Sand	4022'(-1842)
Arbuckle	4108'(-1928)
LTD	4137'
DTD	4135'

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

Date Received

Jack L Potter Jr
Signature

Asst Dist Treas.
Title

June 6, 1980
Date