15-009-21198

Geological Survey
WICHITA BRANCH

KANSAS DRILLERS' LOG

API No. 15 — 009 (County) — 21,198 (Number)

S. 7 T. 16S R. 12W E/W

Loc. NE SW NE

County Barton

640 Acres

Locate well correctly

Elev.: Gr. 1875

DF 1877 KB 1880

Operator	Chief Drilling Co., Inc.
Address	905 Century Plaza, Wichita, Kansas 67202
Well No.	#2
Lease Name	Demel
Footage Location	feet from (N) (S) line; feet from (E) (W) line
Principal Contractor	B & B Drilling, Inc.
Geologist	Harlan B. Dixon
Spud Date	8/31/77
Total Depth	3361'
P.B.T.D.	
Date Completed	9/3/77
Oil Purchaser	Koch Oil Company

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
	12 1/4"	8 5/8"	28 lb.	425'	Common	185	3% c.c., 2% gel
		4 1/2"		3358'	Common	125	salt added

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2"	3356'	None

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gals. 15% acid	Open hole

INITIAL PRODUCTION

Date of first production	9/16/77
Producing method (flowing, pumping, gas lift, etc.)	Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	40 bbls.	None MCF	25% bbls.	CFPB

Disposition of gas (vented, used on lease or sold)	Producing interval(s) 3354-61'

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.:
Chief Drilling Co., Inc.		
Well No. #2	Lease Name Demel	Oil well
S 7 T 16S R 12W 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
DST #1 3080-3152'			Anhydrite	831
30-30 30-30			Base Anhy.	860
Wk. 15" bl., inter. for 30"			Howard	2666
Rec. 35' Mud			Topeka	2703
IBHP: 666# FBHP: 645#			Heebner	2981
FP: 38-68#			Toronto	3002
			Douglas	3013
DST #2 3356-61'			Br. Lime	3067
30-30 60-45			Lansing	3076
Fair blow throughout			Congl.	3326
Rec. 220' Gas on top of fluid			Err. Arb.	3346
220' Free oil (38.5°)			Arbuckle	3354
30' MO			RTD	3361
IBHP: 1133# FBHP: 1133#				
FP: 28-96#				

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

Date Received

Jim Robinson
Signature

Jim Robinson, Vice President
Title

October 31, 1977
Date

T29915