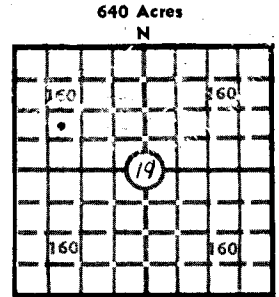


KANSAS DRILLERS LOG

S. 19 T. 13 R. 20 ^RW

Loc. NE SW NW

County Ellis



Locate well correctly
Elev.: Gr. 2266'

DF _____ KB 2271'

API No. 15 — 051 — 21,311
County Number

Operator
K. R. M. Petroleum Corporation

Address
820 Guaranty Bank Building Denver, Colorado 80202

Well No. #2 Lease Name I. Lang

Footage Location
990 feet from (N) (S) line 990 feet from (E) (W) line NW/4

Principal Contractor Geologist
Revlin Drilling Jack Childers

Spud Date Total Depth P.B.T.D.
5/14/77 3969' ---

Date Completed Oil Purchaser
5/23/77 NA

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"	24	209'	Class "A"	135	3% CaCl

LINER RECORD

PERFORATION RECORD

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

Size	Setting depth	Packer set at
NA		

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production NA	Producing method (flowing, pumping, gas lift, etc.)
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 K.R.M. PETROLEUM CORPORATION		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 2	Lease Name I.Lang	Dry Hole
S 19 T 13 R 20 EX W		

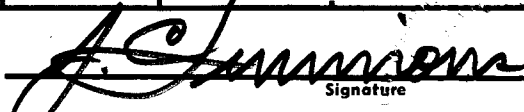
WELL LOG

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
<p>DST #1 (Reworked Arbuckle) 3900'-33' Weak blow, died in 10 min. Pressures: IHP = 2069 15 min. IFP = 30/30 30 min. ISIP = 836 5 min. FFP = 30/30 30 min. FSIP = 846 FHP = 2058, BHT = 109° F Recovered 5' mud.</p> <p>DST #2 (Arbuckle Straddle Test) Weak blow, died in 10 min. Pressures: IHP = 2089 15 min. IFP = 30/30 30 min. ISIP = 479 5 min. FFP = 30/30 30 min. FSIP = 551 FHP = 2079, BHT = 110° F Recovered 10' mud.</p> <p>Following plugs set: 70 sxs. @ 660' 20 sxs. @ 185' 10 sxs. @ 40' 2 sxs. in rat hole.</p> <p>Electric Log Tops: Heebner - 3535' (-1264) Toronto - 3552' (-1281) LKC - 3572' (-1301) Pawnee - 3876' (-1605) Base Pawnee - 3912' (-1641) Reworked Arbuckle - 3930' (-1659) Top Arbuckle - 3956' (-1685)</p>			Gamma Guard Neutron from 3000' to 3975' on 5" scale & from 209' to 3975' on 2" scale	

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

Date Received	 Signature
	J. C. Simmons, Manager, Operations Title
	May 25, 1977 Date