

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 13 T. 7 R. 31 ^{NE} W

API No. 15 — 193 — 20,092
County Number

Loc. C SW SE

Operator
Gulf Oil Corp.

County Thomas

Address
P. O. Box 12116 Oklahoma City, Oklahoma 73112

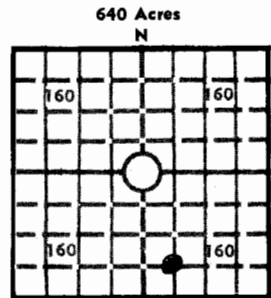
Well No. #1-13 Lease Name E. L. McCormick

Footage Location
660' NSL, feet from (N) (S) line 660' EWL feet from (E) (W) line

Principal Contractor Rains and Williamson Geologist H. O. Arnold

Spud Date 10/24/76 Total Depth 4300' P.B.T.D. 4267'

Date Completed 11/1/76 Oil Purchaser Koch Oil Co.



Elev.: Gr. 2925'

DF KB 2930'

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	418'	60-40 Poz C1 A	250	2% gel 3% cc
Production	7-7/8"	5-1/2"	14	4298'	50-50 Poz	200	10% salt; 2% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			4	3-5/8" Golden Jet Gun	4164-76'

Size	Setting depth	Packer set at
2-7/8"	4178'	---

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gals 15% NE Acid	4164-76'

INITIAL PRODUCTION

Date of first production 11/15/76	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 111 bbls.	Gas TSTM MCF	Water 0 bbls.	Gas-oil ratio ===== CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s) 4164-76'	

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 Gulf Oil Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1-13	Lease Name McCormick	Oil
S 13 T 7S R 31W 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
Sand	230'			
Shale	455'			
Shale and Sand and Shale	1552'			
Shale and Sand and Redbed	2185'			
Shale and Redbed	2304'			
Sand	2412'			
shale and Redbed	3600'			
Shale	3720'			
Shale and Lime	3800'			
Lime	4300'			

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

Date Received	<i>C. H. Groen</i> Signature
	C. H. Groen, Area Engineer Title
	12/17/76 Date