

KANSAS DRILLERS LOG

API No. 15 — 193 — 20,109
County Number

Operator

Gulf Oil Corporation

Address

P. O. Box 12116

Well No.

3-24

Lease Name

E. L. McCormick

Footage Location

1980 feet from XXX(S) line 1980 feet from (E) XXX line

Principal Contractor

Rains & Williamson

Geologist

H. O. Arnold

Spud Date

1/10/77

Total Depth

4310'

P.B.T.D.

4272'

Date Completed

1/17/77

Oil Purchaser

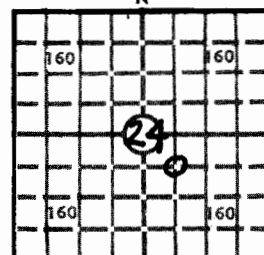
Koch Oil

S. 24 T.7S R.31W E W

Loc. C NW/4 SE/4

County Thomas

640 Acres
N



Locate well correctly

Elev.: Gr. 2927'

DF KB 2932'

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	490'	50-50 Poz Cl A	175 100	2% gel, 3% CC 3% CC
Production	7-7/8"	5-1/2"	15.5	4309'	50-50 Poz	200	10% salt, 2% gel 3/4 of 1% CFR2

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
None		

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4	4" Golden Jet	4178-86'

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	4178'	-----

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2000 gallons 15% NE acid	4178-86'

INITIAL PRODUCTION

Date of first production 2/4/77		Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 12 bbls.	Gas ----- MCF	Water 8 bbls.	Gas-oil ratio ----- CFPB	
Disposition of gas (vented, used on lease or sold) -----			Producing interval (s) L-KC 4178-86'		

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.: Oil
Well No. 3-24	Lease Name E. L. McCormick	
S 24 T 7 S R 31 W E W		

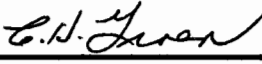
WELL LOG

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
Shale		65'		
Shale, Sand, & Shale	65'	1170'		
Shale	1170'	1820'		
Shale & Sand	1820'	2124'		
Sand, Shale, & Sand	2124'	2400'		
Shale & Redbed	2400'	3120'		
Redbed & Shale	3120'	3380'		
Shale	3380'	3550'		
Shale & Lime	3550'	3715'		
Redbed & Shale	3715'	3900'		
Lime	3900'	4310'		

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

Date Received	 Signature
	C. H. Groen, Area Engineer Title
	Date