State Geological Survey
KANSAS DRILLERS LOG

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

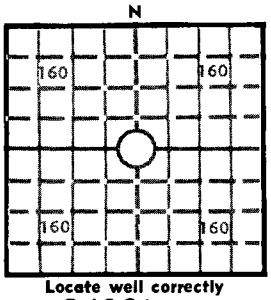
S. 4 T. 16 R. 25 E/W

API No. 15 — 135 (County) — 20,902 (Number)

Loc. C NW NE

County Ness

640 Acres
N



Locate well correctly

Elev.: Gr. 2486'

DF 2489' KB 2491'

Operator
Mack Oil Co.

Address 812 Union Center Wichita, Kansas 67202

Well No. #1

Lease Name (Corrected w/ State Corp Commission) ~~Carter~~ Estelene

Footage Location
660' feet from (N) (S) line 660' feet from (E) (W) line of NE/4

Principal Contractor: Rains & Williamson

Geologist: Earl Moore

Spud Date: 10-15-74

Total Depth: 4515

P.B.T.D.:

Date Completed: 10-28-74

Oil Purchaser:

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
set surface	12¼"	8 5/8"		327'	common	350	2% gel, 3% CC

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

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

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
	bbls.	MCF	bbls.	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.

C-10-1972

Operator	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Mack Oil Co.	dry hole

Well No.	Lease Name
1	Estelene

S 4 T 16 R 25 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 & Shale	0	310	L-GR-N	0'-4514'
Shale	310	327	Anhydrite	1898 (+ 593)
Shale & Sand	327	965	B/Anhy.	1933 (+ 558)
Shale	965	1398	Heebner	3788 (-1297)
Sand	1398	1670	Lansing	3830 (-1339)
Shale	1670	1904	Ft. Scott	4329 (-1838)
Anhydrite	1904	1938	Miss.	4432 (-1941)
Shale	1938	2047		
Shale & Lime	2047	3615		
Lime & Shale	3615	3905		
Shale & Lime	3905	4005		
Lime	4005	4321		
Shale & Lime	4321	4339		
Lime	4339	4515		
DST #1 4320-4380 30"-60"-60"-90" Rec. 10' M w/sli sho oil in tool. BHP's 207-115# FP's 69-69#				
DST #2 4433-4448 30"-60"-60"-90" Rec. 75' M & 60' SW BHP's 1230-1230# FP's 58-127#				
DST #3 4463-4480 30"-60"-30"-60" Rec. 1180' SW BHP's 1319-1319# FP's 69-551#				

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

Date Received

Nancy Lagant
Signature

Secretary
Title

11-14-74
Date