

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

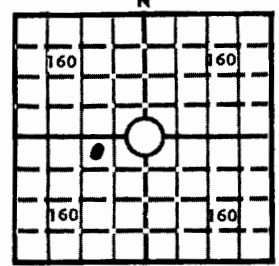
IMPORTANT
 Kans. Geo. Survey request
 samples on this well.

S. 9 T. 16 R. 10 E
SW

API No. 15 — Lyons 111 — 20 107
County Number

Loc. NW NE SW

County Lyons
640 Acres



Elev.: Gr. 1316'

DF 1318' KB 1321'

Operator Mack Oil Co.	
Address 812 Union Center Bldg., Wichita, KS 67202	
Well No. #1	Lease Name Trust
Footage Location 330' north line 990' east line <small>feet from (N) (S) line</small> <small>feet from (E) (W) line</small>	
Principal Contractor White & Ellis Drlg.	Geologist George McCaleb
Spud Date 8-9-72	Total Depth 3215'
Date Completed 8-17-72	P.B.T.D.
	Oil Purchaser Permian Oil Corp.

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	12.5"	8-5/8"	24#	201'	Regular	150	3% CC
Production	7-7/8"	5 1/2"	14#	3060	Poz	100	18% Salt 3/4% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	7/16" Jet	2964-70

TUBING RECORD		
Size	Setting depth	Packer set at
2-3/8" OD	2991	None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 Gal 7 1/2% Mud Acid	2964-70

INITIAL PRODUCTION

Date of first production 9-8-72	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 48 bbls.	Gas None MCF	Water 41 bbls.	Gas-oil ratio 0 CFPB
Disposition of gas (vented, used on lease or sold) None		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 Mack Oil Co.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: OIL
Well No. 1	Lease Name Trust	
s 9 T 16 R 10 E ^E W		

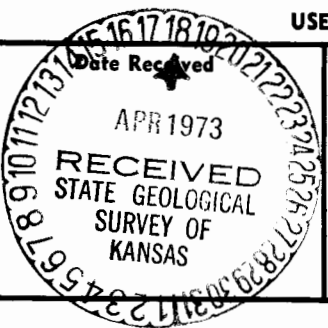
WELL LOG

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
Cellar & Sod	0	15	Schlumberger	
Lime & Shale (stks.)	15	201	DIL	200'-3209'
Shale	201	470	FDC-GR	1500'-3214'
Shale & Lime	470	1445		
Lime	1445	1815		
Shale & Lime	1815	2250		
Shale	2250	2390		
Shale & Lime	2390	2476		
Lime	2476	2778		
Shale	2778	2962		
Lime	2962	2995		
Shale	2995	3075		
Lime	3075	3170		
Sand	3170	3215		
<p>DST #1 2964'-2968'; 30"-30"-30"-30", Strong blow throughout. Rec. 375' Mdy Oil, 1930' Clean Gssy Oil. Gravity 25° @ 95°. FP's 165#-960# BHP's 1055#-1055#</p> <p>DST #2 3078'-3083'; 45"-45"-45"-45" Strong blow throughout. Rec. 35' Mdy Wtr, 480' Wtr. FP's 126#-220# BHP's 1055#-1055#</p> <p>DST #3 3170'-3180'; 30"-30"-30"-30", Rec. 450' Wtr. FP's 106#-349# BHP's 1055#-980#</p> <p>DST #4 3192'-3198' 30"-30"-30"-30", Rec. 95' Mdy wtr w/tr. of oil, 300' Wtr. FP's 110#-89# BHP's 1055#-1055#</p>				

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



Signature

Title

Date

9-16S-10E

NW NE SW
9-16-10E

DRILLERS LOG

OPERATOR: Mack Oil Company

API# 15-111-20,107

CONTRACTOR: White & Ellis Drilling, Inc., Box 448, El Dorado, Kansas 67042

Lease Name Trust Well No. 1

Sec. 9 T. 16S R. 10E Spot C NW NE SW

County Lyon State Kansas Elevation

Casing Record:

Surface: 8 5/8" @ 201' with 150 Sxs. Com. 3%

Production: 5 1/2" @ 3060' with 100 Sxs.

Type Well: Oil Total Depth 3215' KB

Drilling Commenced: 8-8-72 Drilling Completed 8-17-72

Formation	From	To	Tops
Cellar & Sod	0	15	
Lime & Shale (Stks.)	15	201	
Shale	201	470	Mississippi 2476
Shale & Lime	470	1445	Kinderhook 2904
Lime	1445	1815	Hunton 2962
Shale & Lime	1815	2250	Maquoketa 2995
Shale	2250	2390	Viola 3075
Shale & Lime	2390	2476	
Lime	2476	2778	
Shale	2778	2962	
Lime	2962	2995	
Shale	2995	3075	
Lime	3075	3170	
Sand	3170	3215	



COMPLETION RECORD

Per Record: Size From To

Spending Record: Sacks

Rating Record:

Formation Perforated Interval Number Shots