

State Geological Survey

KANSAS DRILLERS LOG

KANSAS GEOLOGICAL SURVEY

Wichita, Kansas

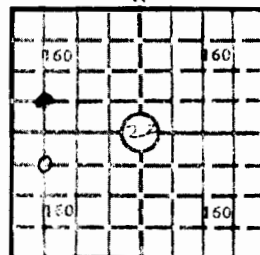
API No. 15 — 083 — 20,304
County Number

S. 22 T. 21 R. 21 E
W

Loc. C SW NW

County Hodgeman

640 Acres
N



Elev.: Gr. 2130

DF 2133' KB 2135'

Operator Mack Oil Company	
Address 812 Union Center Wichita, Kansas	
Well No. #1	Lease Name Waterhouse
Footage Location 660' from S line 660' from W line feet from (N) (S) line feet from (E) (W) line	
Principal Contractor Red Tiger Drlg.	Geologist Benny Singleton, Jr.
Spud Date -5-5-73	Total Depth 4360'
	P.B.T.D. 4319'
Date Completed	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
Surface pipe	12 1/4	8 5/8"	20#	1207	pozmix	550	2% Cal. Chlor. 2% gel
Production	7 7/8"	4 1/2	9.5#	4359	pozmix	150	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2/ft		4282-90

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8" 4.7#	4317'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production 5-26-73	Producing method (flowing, pumping, gas lift, etc.) pumping
RATE OF PRODUCTION PER 24 HOURS	Oil 100 bbls. Gas 0 MCF Water 0 bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval (s) 4282-90

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 Waterhouse	
S <u>22</u> T <u>21</u> S <u>R21</u> 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
Surface hole	0	490	Schlumberger	
Redbed	490	608	Dual Latero-	
Blaine	608	622	log	1208-4359
Redbed	622	695	Compensated-	
Sand	695	882	Formation Den-	
Redbed	882	1259	sity log	2900-4359
Anhydrite	1259	1285		
Shale	1285	1860		
Shale & Lime	1860	3735		
Lime	3735	4290		
Lime & Chert	4290	4305	Anhydrite	1260 (+ 875)
Cherty Lime	4305	4360	Heebner Sh.	3644 (-1 9)
			Lansing	3696 (-1331)
			B/KC	4056 (-1921)
			Ft. Scott	4214 (-2079)
			Cherokee	4237 (-2102)
			Mississippian	4282 (-2147)
DST #1 4281-90; 30"-30"-60"-60"; Rec. 1200' GIP, 1670' Gsy Oil, 180' GC Mdy Oil; Gravity 42 @ 62; BHP's 1097-1128# FP's 94-658# Temp. 120				
DST #2 4290-4305; 30"-30"-60"-60"; Rec. 40' Mdy Wtr, 5' Oil; BHP's 219-760# FP's 19-31#				

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



Signature

Title

Date