

KANSAS DRILLERS LOG

API No. 15 — 129 — 20410
County Number

Operator
Mobil Oil Corporation, Attn: A. J. McCredie

Address
Box 5444, Denver, Colorado 80217

Well No. 1 Lease Name
Matt Hjort Unit

Footage Location
1250 feet from (N) 75 line 1250 feet from (E) (V) line

Principal Contractor Earl F. Wakefield, Inc. Geologist
P. B. Nichols

Spud Date 11-8-79 Total Depth 3050' P.B.T.D. 3015'

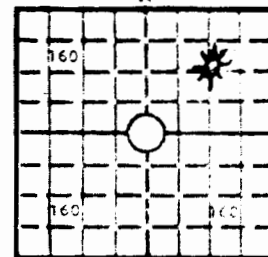
Date Completed 12-4-79 Purchaser Gas
Northern Natural Gas Company

S. 24 T. 34S R. 40E
W

NE/4

County Morton

640 Acres
N



Locate well correctly

Elev.: Gr. 3357

DF KB 3364

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 Casing	12-1/4"	8-5/8"	24#	774'	Class "H" Reg	150	12% gel + 3% CaCl ₂
					Class "H" Reg	150	3% CaCl ₂
Prod. Casing	7-7/8"	5-1/2"	14#	3050'	Howco lite	500	3/4#/sack flocele
					Class "H" Reg	150	18% NaCl .75%
							CFR-2 + 1/4#/sx flocele

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		2904-2910
			2		2914-2919
			2		2925-2928
			2		2931-2936
			2		2945-2955

TUBING RECORD

Size	Setting depth	Pecker set at	Shots per ft.	Size & type	Depth interval
2-3/8"	2986'		2		2931-2936
			2		2945-2955

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
4350 gals of Mod 202 acid + 70 ball sealers + additives	2904-2955'
58,000 gals of fresh water containing 116,000# of 20/40 frac sand + additives	

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)		
3-23-80		Pumping		
RATE OF PRODUCTION PER 24 HOURS		Oil	Gas	Water
		bbls.	1 pt OFP 436 MCF	bbls.
Disposition of gas (vented, used on lease or sold)		Producing interval(s)		
Sold		2904-2955'		

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 Mobil Oil Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1	Lease Name Matt Hjort Unit	Gas
S 24 T 34S R 40 ~~xx~~ 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 & Clay	0	400	Stone Corral	1737
Red Bed	400	800	Chase	2523
Red Bed & Gyp	800	1297	Council Grove	2882
Sand	1297	1460		
Shale & Gyp	1460	1530		
Shale, Sand	1530	1743		
Anhydrite	1743	1760		
Shale & Shells	1760	2065		
Shale & Lime	2065	2330		
Shale & Shells	2330	2525		
Shale & Lime	2525	2815		
Shale & Shells	2815	2935		
Shale & Lime	2935	3050		
TOTAL DEPTH		3050		

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

Date Received	 C. J. Park Producing Accounting Supervisor Title 4-1-80 Date
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7-1-34-40m