

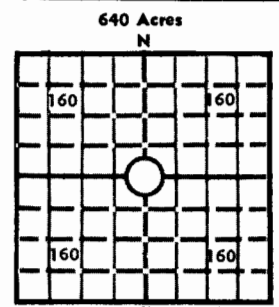
2-1-34W

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 2 T. 1S R. 34 ^{NE} _W
 Loc. (150' E) C NW SE
 County Rawlins

API No. 15 — 153 — 20247
 County Number
 Operator
Murfin Drilling Company
 Address
617 Union Center, Wichita, Kansas
 Well No. 4 Lease Name HORINEK "B"
 Footage Location
660 feet from (N) line 850 feet from (W) line SE/4
 Principal Contractor Murfin Drilling Geologist Roger Welty
 Spud Date 7/12/76 Total Depth 4265' P.B.T.D. --
 Date Completed 7/20/76 Oil Purchaser Koch Oil



Locate well correctly
 Elev.: Gr. 3071'
 DF. KB 3076'

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#	251'	60/40 Poz	200	3% cac1
Production	7 7/8"	5 1/2"	15.5	4263'	Class "A" Comm. Latex	200 75	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Jumbo Jets	4082-84
			4	" "	4060-63, 4175-78, 4150-52, 4130-34, 4080-82, 4038-42, and 3978-82.

TUBING RECORD

Size	Setting depth	Packer set at
2 7/8"	4027.9'	--

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal. MOD-202	4082-84
300 gal. MOD-202 and 1000 gal. MOD-202	4060-63, 4175-78, 4150-52, 4130-34, 4080-82,
	4038-42, and 3978-82'.

INITIAL PRODUCTION

Date of first production 8/21/76 Producing method (flowing, pumping, gas lift, etc.) Pumping
 RATE OF PRODUCTION PER 24 HOURS
 Oil 81.41 bbls. Gas 3.39 bbls. Water 3.39 bbls. Gas-oil ratio CFPB
 Disposition of gas (vented, used on lease or sold) LKC 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 Murfin Drilling Company DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:
Producer

Well No. 4 Lease Name
HORINEK "B"

S 2 T 1 S R 34 ^{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
clay and sand		230	Anhydrite top	2922 +154
shale		1400	base	2958 +118
shale, sand		2525	Oread	3887 -811
shale		2916	LKC	3974 -898
shale, shells		3420	BKC	4242 -1166
lime, shale		4000	LTD	4265 -1189
lime		4040		
lime, shale		4045		
lime		4210		
lime, shale		4265		
RTD		4265		
No DST's				

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

Date Received	<div style="border-bottom: 1px solid black; margin-bottom: 5px;"><i>Larry M. Jack</i></div> <div style="font-size: small; margin-bottom: 5px;">Signature</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Larry M. Jack, Prod. Engineer</div> <div style="font-size: small; margin-bottom: 5px;">Title</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">October 2, 1976</div> <div style="font-size: small;">Date</div>
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9-1-3810