

KANSAS DRILLERS LOG

TIGHT HOLE

API No. 15 — 023 — 20,146
County Number

Operator

Murfin Drilling Company

Address

617 Union Center Bldg., Wichita KS 67202

Well No.

1-9

Lease Name

Kanel

Footage Location

1320' fSL & 1320' fWL

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Western Well Drlg., Inc.

Geologist

David Moore

Spud Date

10-1-80

Total Depth

1344'

P.B.T.D.

1304'

Date Completed

10-3-80

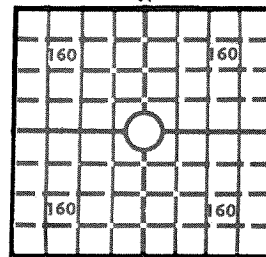
Oil Purchaser

NONE

S. 9 T. 35 R. 39

Loc. C SW/4

County Cheyenne

640 Acres
N

Locate well correctly

Elev.: Gr. 3334'

DF KB 3339'

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	9-7/8"	7"	24#	109'	Neat	25	
production	7-7/8"	4 1/4"	9.5	1343'	50 sx. of Class A + 50 sx of 50-50 Posmix, 10% salt, 2% gel, 3/4% CER-2, 2% CC, and 25 gals. Latex		

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
					1199-1205'
					1207-09'
Size 1 1/2"	Setting depth 1197'	Packer set at			1215-28'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Foam frac w/10,000# 20/40 Sand, total fluid - 2646 gal.,	1199-1228'
total N ₂ - 85,500 SCF.	

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
-----		SHUT IN GAS WELL			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
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Disposition of gas (vented, used on lease or sold)		Producing interval(s)			
-----		1199-1228			

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.:		
Well No. 1-9	Lease Name Kanel	GAS WELL		
S <u>9</u> T <u>3S</u> R <u>39</u> ^{Ex} _W				
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale Niobrara RTD		80' 1160' 1344'	Niobrara B/Niobrara	1194' (+2145) 1233' (+2106)
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	<div style="text-align: center;"> <div style="display: flex; justify-content: center; gap: 10px;"> <div style="text-align: center;"> <div style="border-bottom: 1px solid black; width: 150px; margin: 0 auto;"></div> <div style="font-size: x-small;">Signature</div> </div> <div style="text-align: center;"> <div style="border-bottom: 1px solid black; width: 150px; margin: 0 auto;"></div> <div style="font-size: x-small;">Title</div> </div> </div> <div style="text-align: center; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 150px; margin: 0 auto;"></div> <div style="font-size: x-small;">Date</div> </div> </div>			

6-3-2020