

KANSAS DRILLERS LOG

API No. 15 — 163 — 21,193
County Number

Operator

Murfin Drilling Company

Address

617 Union Center, Wichita, KS 67202

Well No.

#1-21

Lease Name

Dick Largent

Footage Location

330 feet from (N) ~~XX~~ line

990 feet from ~~XX~~ (W) line

Principal Contractor

John O. Farmer, Inc.

Geologist

Charles Spradlin

Spud Date

11-25-80

Total Depth

3745'

P.B.T.D.

3713'

Date Completed

12-7-80

Oil Purchaser

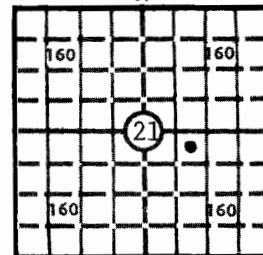
Clear Creek

WICHITA BRANCH
S. 21 T. 10S R. 19W ~~K~~ W

Loc. NE NW SE

County Rocks

640 Acres



Elev.: Gr. 2127'

DF 2130' KB 2132'

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	222'	Common	170	
Production	7-7/8	5-1/2"		3744'	Common	200	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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PERFORATION RECORD

TUBING RECORD			Shots per ft.	Size & type	Depth interval
			Top - 8		3674-76'
			Bottom - 4		
Size	Setting depth	Packer set at			
2 7/8"	2551'		4		2576-78'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal. Acetic acid and 250 gal. MOD-202	3674-76'

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)			
3/13/81	Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	1.96 bbls.	---- MCF	14.40 bbls.	---- CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)	
			2576-3676'	

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. #1-21	Lease Name Dick Largent	Oil	
S 21 T 10S R 19W ^E _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
Clay & Sand	0	20	<u>Log Tops</u>
Blue Shale	20	222	
Shale	222	250	Anhydrite 1494 (+648)
Sand & Shale	250	975	Base Anhy. 1525 (-607)
Sand	975	1225	Topeka 3094 (-962)
Red Bed	1225	1496	Heebner 3314 (-1182)
Anhydrite	1496	1529	Toronto 3336 (-1204)
Shale & Shell	1529	1710	Lansing 3352 (-1220)
Shale	1710	2030	B/KC 3564 (-1432)
Lime & Shale	2030	2185	Arbuckle 3672 (-1540)
Shale & Lime	2185	2520	
Lime & Shale	2520	2734	
Shale & Lime	2734	3140	
Lime & Shale	3140	3300	
Lime	3300	3675	
Arbuckle	3675	3745	
DST #1: 3118'-3140'/45-45-45-45. Good blow throughout. Rec. 715' fluid & 20' oily wtr. & 695' SOCW. FP: 132/253-286/396#. SIP: 843-810#. BHT: failed. DST #2: 3254'-3300'/(taking). DST #3: 3366'-3437'/45-45-45-45. Strong blow throughout. Rec. 1636' SLOCM\$W (25% M, 73% W, 2% O) FP: 137/702-702/800#. SIP: 909-898#. BHT: 1020. DST #4: 3463'-3532'/45-45-45-45. IF: Weak blow throughout. FF: No blow, flushed tool, no help. Rec. 25' Mud w/few specks of oil (62% M, 38% W). FP: 88/88-88/88# SIP: 713-615#. BHT: 1000. DST #5: (Arbuckle) 3661'-3675'/45-45-45-45. Very weak blow throughout. Rec. 10' VSOCM (72% M, 27% W & 1% O). FP: 44/55-66/66#. SIP: 297-231#. BHT: 1010. DST #6: 3665'-3685'/45-45-45-45. Good blow throughout. Rec. 60' GIP & 125' heavy tarry oil & 240' muddy tarry oil. FP: 77/132-65/187#. SIP: 1126-1126#. BHT: 1020. DST #7: 3685'-3695'/45-45-45-45. IF: strong blow off bottom of bucket in one min. FF: No blow, reached hydrostatic. Rec. 2000' sulphur water w/scum of oil on top. Chl. 27,000. FP: 440/1169-1169/1169#. SIP: 1169-1169#. BHT: 1180.			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	John D. Farmer III Signature Vice-President Title December 18, 1980 Date		

E633L

WELL LOG

State Geological Survey
WICHITA, BRANCH

COMPANY Murfin Drilling Company

SEC. 21 T. 10S R. 19W

FARM Largent

NO. 1-21

LOC. NE NW SE

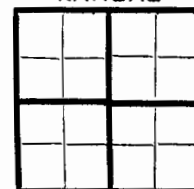
RIG. NO.

TOTAL DEPTH 3745'

COMM. 11-25-80

COMP. 12-7-80

COUNTY Rooks
KANSAS



CONTRACTOR John O. Farmer, Inc.

CASING

20 10
15 8-5/8" set @ 222' w/170 sx.
12 6
13 5 1/2" set @ 3753.36' w/200 sx.

ELEVATION 2127' GR

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Clay & Sand	20'
Blue Shale	222'
Shale	250'
Sand & Shale	975'
Sand	1225'
Red Bed	1496'
Anhydrite	1529'
Shale & Shell	1710'
Shale	2030'
Lime & Shale	2185'
Shale & Lime	2520'
Lime & Shale	2734'
Shale & Lime	3140'
Lime & Shale	3300'
Lime	3675'
Arbuckle	3745'

RECEIVED
STATE CORPORATION COMMISSION

MAR 10 1981

CONSERVATION DIVISION
Wichita, Kansas