

KANSAS DRILLERS LOG

State Geological Survey
WICHITA BRANCH

S. 26 T. 10S R. 19W ~~XX~~ W

API No. 15 — 163 — 21,313
County Number

Loc. E/2 SE SE

County Rooks

Operator

Murfin Drilling Company

Address

617 Union Center, Wichita, KS 67202

Well No.

Lease Name

#4

Johnson "C"

Footage Location

660 feet from ~~XX~~ (S) line

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

Principal Contractor

John O. Farmer, Inc.

Geologist

Roger Welty

Spud Date

5-2-81

Total Depth

3500'

P.B.T.D.

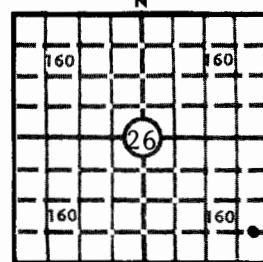
3452'

Date Completed

5-12-81

Oil Purchaser

Koch Oil



Locate well correctly

Elev.: Gr. 2037'

DF 2040' KB 2042'

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	212'	Common	170	
Production	7-7/8"	4-1/2"	10.5#	3499'	Class A	25	10% salt, 3/4% CFR-2
					50-50 Pozmix	25	10% salt, 3/4% CFR-2
25 sx. 50-50 Pozmix w/10% salt, 3/4% CFR-2 and 2% CaCl and 25 gal. Latex.					50-50 Pozmix	50	10% salt, 3/4% CFR-2, 2% CaCl + 25 gal. Latex

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			8		2979-85'
TUBING RECORD					3137-39'
Size	Setting depth	Packer set at			
2 3/8"	3106'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 gal. MOD-202	2979-3139'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
9/4/81		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	39	----	46	---	
		bbls.	MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
-----			2979-3139'		

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. #4	Lease Name Johnson "C"	Oil		
S 26 T 10S R 19W K 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	0	15	NEVA	2414' (-388)
Blue Shale	15	213	TOPEKA	2955' (-929)
Shale & Sand	213	700	HEEBNER	3174' (-1148)
Shale & Sand Streaks	700	813	TORONTO	3200' (-1174)
Sand	813	1008	LKC	3219' (-1193)
Red Bed	1008	1328	BKC	3436' (-1410)
Anhydrite	1328	1356	LTD	3499' (-1473)
Shale & Shells	1356	1535	RTD	3500' (-1474)
Shale	1535	1825		
Shale & Lime	1825	2424		
Shale	2424	2450		
Lime & Shale	2450	2545		
Shale & Lime	2545	3085		
Lime & Shale	3085	3180		
Shale & Lime	3180	3275		
Lime	3275	3440		
Lime & Shale	3440	3500		
DST #1: 2419-2424'. Rec. 70' MW, 420' W. DST #2: 2432-2450'. Rec. 450' SW. DST #3: 2975-2995' (Topeka). Rec. 60' GIP, 180' OCM (35% O, 60% M, 5% W). DST #4: 3285-3309' (LKC D, E & F). Rec. 10' M. No show. DST #5: 3336-3440' (LKC H, I, J, K, L). Rec. 10' M.				
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	John D. Famer Signature Vice-President Title May 14, 1981 Date			

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