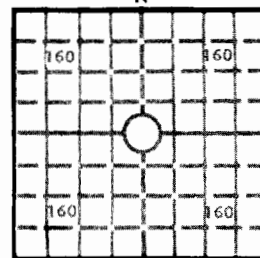


API No. 15 — 047 — 20445
County Number

Operator Murfin Drilling		
Address 617 Union Center Wichita, Ks. 67202		
Well No. # 1-28	Lease Name John Carroll	
Footage Location 990 feet from (N) (X) line 990 feet from (E) (W) line NE/4		
Principal Contractor Murfin Drilling Company	Geologist Charles Spradlin	
Spud Date 10-22-78	Total Depth 4698'	P.B.T.D.
Date Completed 11-2-78	Oil Purchaser none	

S. 28 T. 25S R. 18W E W
Loc. 990' FNL 990' FWL NE/4
County Edwards640 Acres
NLocate well correctly
2168

Elev.: Gr.

DF KB

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
Surf. casing	12½"	8 5/8"	24#	695'	60-40 Poz Common	250 200	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	bbls.	MCF	bbls.		
Disposition of gas (vented, used on lease or sold)			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.: Dry Hole
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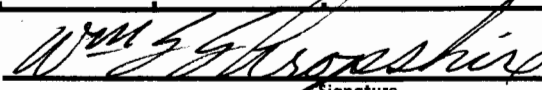
Well No. 1-28	Lease Name John Carroll	
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s 28 T25S R 18 ^K _W	
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WELL LOG Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.	SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.
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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Clay & sand		185'	ANHYDRITE	1281'
Shale		691	B/FLORENCE	2678
Lime		695	WREFORD	2730
Lime & red beds		1132	COTTONWOOD	2900
Shale		1279	NEVA	3060
Anhydrite		1292	RED EAGLE	3106
Shale		2000	WOOD SIDING	3214
Shale & lime		2500	STOTLER	3351
Lime & shale		3020	TARKIO	3402
Shale & lime		3220	TOPEKA	3575
Lime & shale		3400	HEEBNER	3939
Lime		4025	BROWN LIME	4068
Lime & shale		4066	LANSING	4078
Lime		4590	B/KC	4446
Lime & chert		4640	CHEROKEE	4568
Lime & shale		4655	MISSISSIPPIAN	4608
Lime - RTD		4698	KINDERHOOKIAN	4656
			Sand	4678
DST #1: 2903-20'/30-30-30-30, wk blow, rec. 35' Tbm. FP: 49/49-49/49#. SIP: 950-926#.				
DST #2: 3616-61'/30-45-45-60, rec. 195' MW. FP: 74/99-109/174#. SIP: 1302-1302#.				
DST #3: 4210-50'/30-30-30-30, rec. 60' GIP, 50' M w/few oil spots. FP: 72/72-72/72#. SIP: 1415-1424#.				
DST #4: 4607-40'/30-60-90-120, rec. 40' M, Fp: 74-74#, SIP: 545-735#.				
DST #5: 4425-65'/30-30-30-30, rec. 125' M. FP: 74-74#, SIP: failed.				

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

Date Received	 Signature Wm. S. Shropshire, Asst. General Manager Title December 7, 1978 Date
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15-047-20445

State Geological Survey
WICHITA BRANCH

WELL LOG

COMPANY Murfin Drilling Company

FARM JOHN CARROLL

NO. 1-28

SEC. 28 T. 25S R. 18W

LOC. 990' fNL & 990' fWL
of NE/4

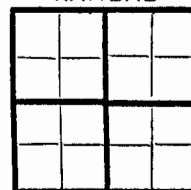
RIG. NO. 19

TOTAL DEPTH 4698'

COMM. October 22, 1978

COMP. November 2, 1978

CONTRACTOR Murfin Drilling Company

COUNTY Edwards
KANSAS

CASINO

20	10
15	8 -5/8" @ 695' w/450 sx.
12	6
13	5

ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

185'	Clay & Sand
691'	Shale
695'	Lime
1132'	Lime & Red Beds
1279'	Shale
1292'	Anhydrite
2000'	Shale
2500'	Shale & Lime
3020'	Lime & Shale
3220'	Shale & Lime
3400'	Lime & Shale
4025'	Lime
4066'	Lime & Shale
4590'	Lime
4640'	Lime & Chert
4655'	Lime & Shale
4698'	Lime

RTD