State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

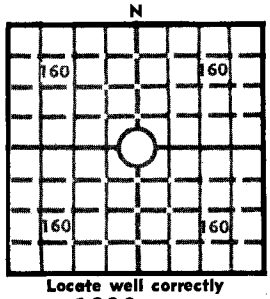
S. 23 T. 8 R. 18 E W

API No. 15 — 163 — 20,567
County Number

Loc. C SE

County Rooks

640 Acres
N



Locate well correctly

Elev.: Gr. 1980

DF _____ KB 1985

Operator
Murfin Drilling Co.

Address
617 Union Center Wichita, Kansas 67202

Well No.	Lease Name
#1	Ruder

Footage Location
1320 feet from ~~N~~ (S) line 1320 feet from (E) ~~W~~ line SE/4

Principal Contractor	Geologist
Murfin Drilling Company	Charles Spradlin

Spud Date	Total Depth	P.B.T.D.
5/10/75	3422'	--

Date Completed	Oil Purchaser
6/12/75	CRA, Inc.

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#	170'	Comm. QuickSet	160	
Production	7 7/8"	4 1/2"	10.5	3412'	Densified	225	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3418'	--

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2	2-120° horiz.	3347-50
2	2-120° horiz.	3083-86

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gallons SME 15%	3412-22
750 gallons SS 20	3347-50
500 gallons SME 15% and 750 gallons SS 20	3083-86

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
July 11,1975	Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	45 bbls.	MCF	15 bbls.	CFPB

Disposition of gas (vented, used on lease or sold)	Producing interval(s)
	Arbuckle, Topeka, LKC

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.

C-10-1972

Operator	MURFIN DRILLING COMPANY	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Producer
Well No. 1	Lease Name RUDER	
S 23 T 8S R 18 ~~E~~ W		

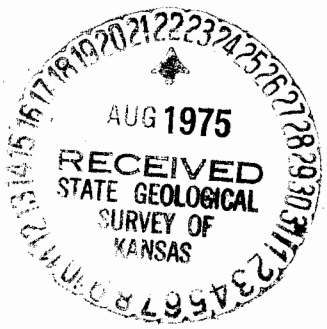
WELL LOG

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
Shale, surf soil & sand		20	Topeka	2903 -918
post rock & hard sand		49	Heebner	3113 -1128
clay		100	Toronto	3135 -1150
shale		170	LKC	3156 -1171
shale & sand sks		845	BKC	3374 -1389
sand		1025	Arbuckle	3407 -1422
shale, redbed		1300	LTD	3421 -1436
shale		1313		
anhydrite		1348		
shale		2200		
lime & shale		2955		
lime		3422		
TD		3422		

DST #1: 3056-86/30-30-30-30, 30' G, 150' MGO, FP 58-104, SIP 1020-953#.
DST #2: 3136-78/30-30-30-30, 10' M, FP 81-92, SIP 551-529#, 102°.
DST #3: 3193-3241/30-30-30-30, gd bl, 570' VSOCMW, FP 81-357, SIP 998-953#, 104°.
DST #4: 3247-75/30-30-30-30, wk bl 9 min., 10' M, FP 58-58, SIP 763-574#.
DST #5: 3326-60/30-45-45-60, fr bl, 60' G, 240' MO, FP 69-127, SIP 886-886, 108°.
DST #6: 3390-3422/30-45-45-60, wk to int bl, 65' OCM (12% O), FP 46-81, SIP 752-540#, 105°



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

Date Received

James R. Daniels
Signature

General Manager
Title

July 9, 1975
Date