

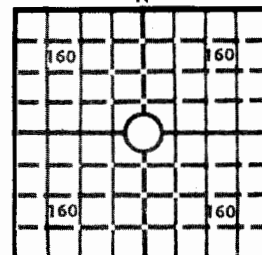
KANSAS DRILLERS LOG

State Geological Survey
WICHITA BRANCHAPI No. 15 — 195 — 20,632
County Number

S. 36 T. 11S R. 22 E W

Loc. E SW SW

County Trego

640 Acres
N

Locate well correctly

Elev.: Gr. 2319'

DF KB 2324'

Operator

A. Scott Ritchie

Address

Suite 950, 125 N. Market, Wichita, KS 67202

Well No.

1

Lease Name

Musgrave

Footage Location

990

feet from (N) (S) line

990

feet from (E) (W) line

Principal Contractor

Murfin Drilling Co.

Geologist

Don Strong

Spud Date

4/18/80

Total Depth

4025'

P.B.T.D.

Date Completed

4/26/80

Oil Purchaser

none

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 $\frac{1}{4}$ "	8-5/8"	24-28#	174'	quickset	150	

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	
	bbls.	MCF	bbls.	CFPB	
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 A. Scott Ritchie		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1	Lease Name Musgrave	dry hole
S 36 T 11S R 22 E W		

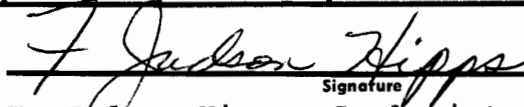
WELL LOG

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
DST #1 from 3660-3718' Recovered 250' muddy wtr. IFP:31-62#/30"; ISIP:975#/30"; FFP:83-135#/60"; FSIP:975#/60".				
DST #2 from 3736'-3860' Recovered 10' mud IFP:31-31#/30"; ISIP:533#/30"; FFP:41-41#/30"; FSIP:441#/30".				
DST #3 from 3933'-3970' Recovered 10' mud IFP:31-31#/30"; ISIP:297#/30"; FFP:41-41#/30"; FSIP:72#/30".				
			SAMPLE TOPS	
			Anhydrite	1765' (+ 559)
			B/Anhydrite	1812' (+ 512)
			Topeka	3361' (-1037)
			Heebner	3575' (-1251)
			Tornoto	3595' (-1271)
			Lansing	3611' (-1287)
			B/KC	3858' (-1534)
			Marmaton	3927' (-1603)
			Arbuckle	4013' (-1689)
			RTD	4025' (-1701)

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

Date Received	 Signature F. Judson Hipps, Geologist Title May 15, 1980 Date
---------------	--

90656