

State Geological Survey
KANSAS, BRANCO

KANSAS DRILLERS LOG

S. 6 T. 10 R. 24 ^R/_W

API No. 15 — 065 — 20,830
County Number

Loc. C NW

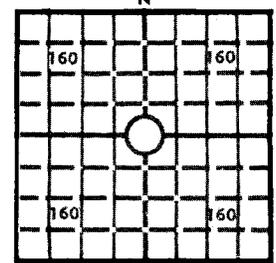
Operator
Empire Drilling Company

County Graham

Address
Suite 1750, 125 North Market Wichita, Kansas 67202

640 Acres
N

Well No. #2 Lease Name Riedel



Footage Location
1320 feet from (N) (S) line 1320 feet from (E) (W) line

Elev.: Gr. 2470'

Principal Contractor Murfin Drilling Company Geologist Frank Brooks

Spud Date June 16, 1976 Total Depth 4030 P.B.T.D. 4014

DF 2472' KB 2475'

Date Completed July 16, 1976 Oil Purchaser Mobil Oil Company

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#	204'	60-40 Poz	175	3% CC
Production	7 7/8"	5 1/2"	15.5#	4029'	Halco Light 60-40 Poz	100 175	7% Salt 10# gel 2% gel 10% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		3941-46
			2		3917-22
			2		3821-24

TUBING RECORD

Setting depth	Packer set at	Plug set at
2 3/8" 3846'	None	Plug set at 3850'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
750 gal MCA acid	3941-46
750 gal MCA acid 2500 gal Mod 202	3917-22
500 gal MCA acid 2500 gal Mod 202	3821-24

INITIAL PRODUCTION

Date of first production <u>July 28, 1976</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>54</u> bbls. Gas <u>17</u> MCF Water <u>17</u> bbls. Gas-oil ratio <u>CFPB</u>
Disposition of gas (vented, used on lease or sold) <u>Vented</u>	Producing interval (s) <u>3821-3824</u>

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 Empire Drilling Company DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil Well

Well No. 2 Lease Name Riedel

S 6 T 10 R 24^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
Surf. soil & sand & limestone		98	Electric Log Tops:	
Shale (blue)		204	Anhydrite	2124
Shale		861	Howard	3521
Shale, sand		1890	Heebner	3740
Shale (red bed)		2121	Lansing	3781
Shale		2800	Muncie Creek	3901
Shale, lime		2965	Base Kansas City	4010
Shale		3120	RTD	4030
Lime, shale		3780	Log TD	4031
Lime		4030		
TD		4030		
1st DST attempt failed. Poor hole condition.				
DST #1 3749-76 60" 30" 30" 30" Fair blow - Died in 45" No blow 2nd open. Rec. 75' slightly oil cut mud. IFP 60#, FFP 60#, IBHP 911#, FBHP 890# Temp. 106 degrees		DST #4 3907-30 60" 60" 60" 60" Steady weak blow 1st open, very weak steady blow 2nd open. Rec. 120' slightly oil & gas cut mud. (Est. 10% O.) IFP 27#, FFP 90#, IBHP 744#, FBHP 502# Temp. 124 degrees		
DST #2 3774-3807 60" 60" 60" 60" Fair blow decreasing to slow blow. 1st open. No. blow 2nd open. Rec. 80' muddy water. IFP 36#, FFP 63#, IBHP 905#, FBHP 887# BH Temp. 122 degrees		DST #5 3930-50 30" 30" 30" 30" Very weak blow 20" & died. Rec. 30' oil specked mud. IFP 27#, FFP 36#, IBHP 63#, FBHP 54# Temp. 120 degrees.		
DST #3 3816-28 60" 60" 60" 60" Weak blow increasing to strong blow 20" of 1st open. Fair blow increasing to good blow 2nd open. Rec. 400' clean gassy oil, 20' slightly muddy oil, 40' muddy oil, 40' heavy oil cut mud. Gravity 43 degrees at 60 degrees. IFP 36#, FFP 188#, IBHP 780#, FBHP 771#. Temp. 123 degrees.		DST #6 3947-75 30" 30" 30" 30" Very weak blow 26" & died. Rec. 10' mud plus slight show of oil. IFP 27#, FFP 36#, IBHP 72#, FBHP 54#. Temp. ---		

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

Date Received


 J. E. Rakaskas
 Exploration Manager
 Title
 August 19, 1976
 Date

6808E