15-065-20913

State Geological Survey
WICHITA BRANCH

KANSAS DRILLERS LOG

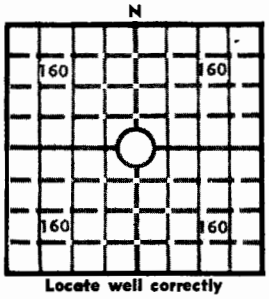
S. 6 T. 10 R. 24 E/W

API No. 15 — 065 (County) — 20,913 (Number)

Loc. C N2 N2 NW

County Graham

640 Acres
N



Locate well correctly

Elev.: Gr. 2472

DF _____ KB 2479

Operator
Empire Drilling Co.

Address
1750 Vickers KSB&T Bldg., Wichita 67202

Well No.	Lease Name
#3	Riedel

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

Principal Contractor	Geologist
Murfin Drilling Company	Frank Brooks.

Spud Date	Total Depth	P.B.T.D.
April 1, 1977	4075	

Date Completed	Oil Purchaser
April 25, 1977	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	28#	208	60-40 Poz	175	3% CC
Production	7 7/8	5 1/2	15.5	4071	Poz A	275	2% Gel, 10% salt 3/4% CFR-2

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3829	NONE

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4	4" SDJ	3982-88
4	4" SDJ	3822-27
Plug set at 3850'		

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gal MCA 3000 gal CRA	3982-88
1000 gal MCA 1500 gal MOD 202	3822-27

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
April 28, 1977	Pumping

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

Disposition of gas (vented, used on lease or sold)	Producing interval(s)
Vented	3822-27

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

Well No.	Lease Name
3	Riedel

S 6 T 10S R 24 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
surface soil & sand		140
shale, sand		2650
shale		3110
shale, lime		3235
shale		3465
lime		3580
shale, lime		3705
lime		4075
RTD		4075

DST #1 3776-93
30-45-30-45
Weak to strong blow in 5" - 1st open
Good blow - 2nd open
Rec. 1145' muddy salt water.
ISIP 915#, FSIP 915#,
IFP 30-346#, FFP 346-529#. Temp. 115 degrees

DST #2 3819-32
30-30-30-30
Weak to strong blow in 4 1/2" - 1st open
Weak to good blow - 2nd open
Rec. 570' gas, 390' gassy oil trace wtr.
Gravity 44 degrees.
ISIP 346#, FSIP 331#,
IFP 40-101#, FFP 132-163#. Temp. 108 degrees

DST #3 3848-72
30-45-30-45 Very weak blow thru out.
Rec. 200' muddy oily salt water.
ISIP 631#, FSIP 610#, IFP 30-71#. FFP 81-112#.
Temp. 114 degrees

DST #4 3913-30
30-30-30-30 Weak to good blow in 5"-1st open
Good blow thru out - 2nd open
Rec. 90' gas, 600' muddy gas cut oily salt water (5% Oil)
ISIP 895#, FSIP 895#, IFP 25-203#, FFP 208-285#.
Temp. 118 degrees

NAME	DEPTH
Electric Log Tops:	
Anhydrite	2128
Base Anhydrite	2162
Howard	3526
Oread	3687
Heebner	3742
Toronto	3767
Lansing	3782
Muncie Creek	3906
Base Kansas City	4012
Log TD	4073

DST #5 3937-55
30-30-30-30 Weak blow died in 10"
1st open - No blow 2nd open.
Rec. 20' gas cut mud with few oil specks.
ISIP 41#, FSIP 31#, IFP 20-20#,
FFP 20-20#. Temp. 108 degrees.

DST #6 3954-80 Packer seat failed.

DST #7 3936-80
45-45-30-45 Weak blow died in 35"
1st open - No blow 2nd open.
Rec. 12 feet mud.
ISIP 71#, FSIP 51#, IFP 41-41#,
FFP 41-41#. Temp. 113 degrees.

DST #8 3993-4007
30-30-30-30 Good blow in 5" 1st open.
Good to strong during 2nd open.
Rec. 320' gassy oil, 480' slightly mud cut gassy oil. Gravity 32 degrees corrected.
ISIP 1018#, FSIP 845#,
IFP 41-224#, FFP 265-336#
Temp. 107 degrees.

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

Date Received

J. E. Rakaskas
Signature

Operations Manager
Title

May 25, 1977
Date

0h084