

33-2-33W

~~State Geological Survey~~
KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request
samples on this well.

API No. 15 — 153 — 20,192
County Number

S. 33 T. 2 R. 33 W
Loc. A SE SE SW
County Rawlins

Operator
Empire Drilling Co.

Address
650 Fourth National Bank Building
Wichita, Kansas

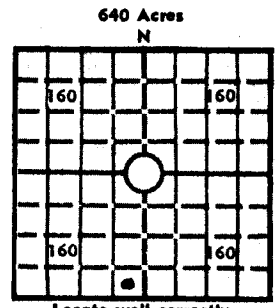
Well No. #1 Lease Name Ruda "B"

Footage Location
440 feet from (N) (S) line 2200' feet from (E) (W) line

Principal Contractor Murfin Drilling Company Geologist Steve Powell

Spud Date 10-25-74 Total Depth 4040 RTD P.B.T.D. 3890'

Date Completed 10-31-74 Oil Purchaser



Locate well correctly
Elev.: Gr. 2838 GR
DF 2843 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
Surface	12 1/4	8 5/8	28	212	Halliburton 60-40 3% w/ HA 5	150	
Production	7 7/8	5 1/2	14	3924	50-50 Poz Mix	225	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	.53 DP Jets	3822-3826

TUBING RECORD

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

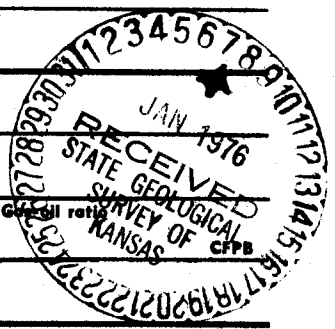
Amount and kind of material used	Depth interval treated
1,000 gal. regular	3822-3826
3,000 gal. jel acid	3822-3826

INITIAL PRODUCTION

Date of first production None Producing method (flowing, pumping, gas lift, etc.) Swab

RATE OF PRODUCTION PER 24 HOURS
Oil 10 bbls. Gas 200 bbls. MCF

Disposition of gas (vented, used on lease or sold) 3822-3826



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, SWOW, ETC. T. A.
Well No. 1	Lease Name Ruda "B"	Waiting on SW Disposal Facilities
S 33 T 2S R 33 W		

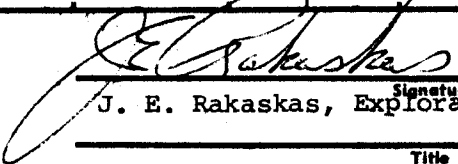
WELL LOG

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
Sand & Clay		50	Welex Electric Tops	
Shale		880	Anhydrite	2598
Shale - sand		2595	Bse Anhydrite	2635
Anhydrite		2632	Topeka	3618
Shale		2790	Deer Creek	3645
Shale & lime		3105	Upper Oread	3711
Shale & shells		3263	Oread	3727
Lime & shale		3630	Base Oread	3747
Lime		3760	Douglas Sand	3751
Lime & shale		3825	Lansing	3785
Lime		3900	Zone 2A	3822
Lime & shale		3930	Zone 5	3880
Lime		3985	Zone 6A	3924
Lime & shale		4040	Zone 7	3971
TD		4040	Bse Ks. City	4029
			Log TD	4044
			Driller's TD	4040
DST #1 3793-3825				
30-30-60-60				
Good blow throughout. Rec. 450' gas in pipe.				
90' very heavy oil cut mud. 60' mud cut oil.				
120' clean oil, 120' very heavy oil cut mud.				
ISIP 1302#, IFP 21#, FFP 162#, FSIP 1302#. BH Temp 138 degrees				
DST #2 3899-3930				
30-30-60-60				
Strong blow throughout. Rec. 60' gas, 30' slightly oil cut watery mud. 1290' muddy salt water - slightly oil and gas cut. ISIP 1184#, IFP 86#, FFP 626#, FSIP 1205#.				
BH Temp. 130 degrees				
DST #3 3941-3975				
30-30-30-30				
Weak blow for 12 minutes. Rec. 30' of drilling mud.				
ISIP 43#, IFP 43#, FFP 43#, FSIP 43#. BH Temp 124 degrees				

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

Date Received	 J. E. Rakaskas, Exploration Manager Title April 9, 1975 Date
---------------	---

WELL LOG

33-2-3340

COMPANY Empire Drilling Company

SEC. 33 T. 28 R. 33W
LOC. 440' fSL & 2200' fWL

FARM Ruda "B" NO. 1

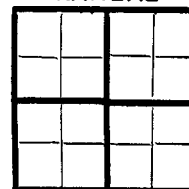
RIG. NO. 3

TOTAL DEPTH 4040'

COMM. 10-25-74

COMP. 11-1-74

COUNTY Rawlins
KANSAS



CONTRACTOR Murfin Drilling Company

CASING

20 10
15 8 5/8" @ 211' w/150 sx
12 6
13 5 1/2" @ 3924' w/225 sx

ELEVATION 2843 KB

PRODUCTION Oil

FIGURES INDICATE BOTTOM OF FORMATIONS

50	Sand & clay
880	Shale
2595	Shale - sand
2632	Anhydrite
2790	Shale
3105	Shale & lime
3263	Shale & shells
3630	Lime & shale
3760	Lime
3825	Lime & shale
3900	Lime
3930	Lime & shale
3985	Lime
4040	Lime & shale
4040	TD

