

**KANSAS DRILLERS LOG**

API No. 15 — 163 County — 21122 Number

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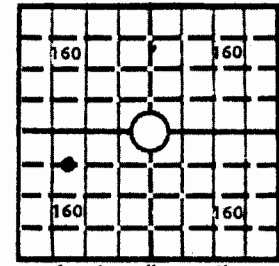
State Geologist  
WICHITA

S. 17 T. 8S R. 17W E

Loc. W/2 NW SW

County Rooks

640 Acres



Locate well correctly

Elev.: Gr. 1872

DF 1875 KB 1877

Operator Energy Reserves Group

Address 925 Patton Road Great Bend, Kansas

Well No. 3 Lease Name Ray Schindler

Footage Location 1980 drl  
190 feet from (N) (S) line 990 feet from (E) (W) line

Principal Contractor Emphasis Oil Operations Geologist Ralph White

Spud Date 7-30-80 Total Depth 3315 P.B.T.D.

Date Completed 8-8-80 Oil Purchaser NCRA

**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"	20#	271	50-50 Poz 50-50 Poz	100 75	2% gel, 3% cc, 1/4# flocele 3% cc, 1/4# flocele
Production	7 7/8"	5 1/2"	14#	3313	50-50 Poz mix	150	2% gel, 10% salt, .075% CFR-2

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	.5" jet csg gun	3304-06'
<b>TUBING RECORD</b>			4	.5" jet csg gun	3137-41'
Size	Setting depth	Packer set at	4	.5" jet csg gun	3078-82'
2"	3312	SN @ 3281'			

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
40 gal 15% HCL w/surfactant	3313'-15' OH
1000 gal 15% HCL	3304'-06'
1000 gal 15% HCL	3313'-19' OH
1000 gal 15% HCL	3137'-41'
500 gal 15% HCL	3078'-82'

**INITIAL PRODUCTION**

Date of first production 10-16-80 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil <u>6</u> bbls.	Gas <u>34</u> bbls.	Water <u>34</u> bbls.	Gas-oil ratio
		MCF		CFPB

Disposition of gas (vented, used on lease or sold) All treated intervals

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.

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Operator Energy Reserves Group		
Well No. 3	Lease Name Ray Schindler	Oil
S <u>17</u> T <u>8S</u> R <u>17W</u> 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 30-60-60-120, REC: 15' MUD, IHP 1583#, IFP 36-36#, ICIP 701#, FFP 36-36#, FCIP 683#, FHP 1583#. Pipe strap at 3090' 2.3 short.	3058	3090	LOG TOPS: Heebner Toronto Lansing Arbuckle RTD	2998 (-1120) 3022 (-1143) 3039 (-1162) 3294 (-1417) 3315
DST #2 30-60-60-120, REC: 15' MUD, IHP 1613#, IFP 27-27#, ICIP 629#, FFP 27-27#, FCIP 584#, FHP 1655#.	3082	3120		
DST #3 30-60-60-120, REC: 75' MUD, IHP 1709#, IFP 63-63#, ICIP 899#, FFP 63-63#, FCIP 1005#, FHP 1709#.	3191	3215		
DST #4 MISRUN due to Packer Failure.	3287	3315		
DST #5 30-60-60-120, REC: 120' frothy MCO, IHP 1773#, IFP 18-27#, ICIP 862#, FFP 27-45#, FCIP 853#, FHP 1755#.	3282	3315		

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

Date Received	<p><i>John S. Mueller</i> Signature</p> <p><i>Kenneth Seal</i> Title</p> <p>12-1-80 Date</p>
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PI

17-8-17 W  
State Geologist Survey  
WICHITA, BRANUM

EMPHASIS OIL OPERATIONS  
P. O. Box 506  
Russell, Kansas 67665

DRILLERS LOG

OPERATOR: Energy Reserves Group, Inc.  
925 Patton Road  
Great Bend, Kansas 67530

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, Kansas 67665

LEASE: Schindler WELL: #3

LOCATION: C E/2 NW SW  
Section 17-8S-17W  
Rooks County, Kansas

Total Depth: 3315'

Elevation:

Commenced: 7-30-80

Completed: 8-9-80

Casing: 8-5/8" @ 271  
5-1/2" @ 3213

Status: Oil Well

DEPTHS & FORMATIONS

(All Measurements from K.B.)

Soil & clay	30	Anhydrite	1258
Clay & shale	80	Sand & shale	1640
Shale & sand	280	Shale & lime	3070
Sand & shale	1224	Lime & shale (R.T.D.)	3315

STATE OF KANSAS )  
COUNTY OF RUSSELL ) ss

I, Joe K. Branum, of Emphasis Oil Operations, state that the above and foregoing is a true and correct log of the above captioned well.

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