

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

State Geological Survey  
WICHITA, BRANCH 15 W

API No. 15 — County — Number

Loc. SW SE NE  
County Russell

Operator  
N - B Company, Inc. & Prima Exploration

Address  
Box 506, Russell, KS 67665

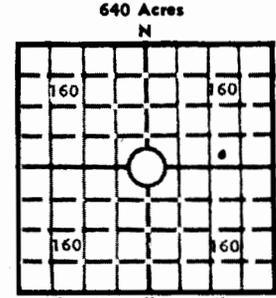
Well No. 21-1 Lease Name Reich

Footage Location  
2310 feet from (N) (S) line 990 feet from (E) (W) line

Principal Contractor Emphasis Oil Operations Geologist Jerry J. Knobel

Spud Date 1-5-81 Date Completed 1-15-81 Total Depth 3378' P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser



Elev.: Gr. 1883  
DF 1885 KB 1888

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 1/2"	8-5/8"		253	Common	150	2% gel., 3% cc

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

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 trans- mitted 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, 245 No. Water, Wichita, Kansas 67202. 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 N - B Company, <sup>Inc.</sup> & Prima Exploration

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

Well No. 21-1 Lease Name Reich Dry Hole

S 21 T 11 R 15 <sup>W</sup>

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

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

Date Received	<p><i>Joe E. Kravum</i> Signature</p> <p>President Title</p> <p>January 29, 1981 Date</p>
---------------	---

06E18

21-11-15W  
SW SE NE

**EMPHASIS OIL OPERATIONS**

**P. O. Box 506**

**Russell, Kansas 67665**

**DRILLERS LOG**

**OPERATOR: H - B Company, Inc. &  
Prima Exploration, Inc.  
8602 East Nichols Avenue  
Englewood, Colorado 80112**

**CONTRACTOR: Emphasis Oil Operations  
P. O. Box 506  
Russell, Kansas 67665**

**I DE: Reich WELL: #21-1**

**LOCATION: SW SE NE  
Section 21-11S-15W  
Russell County, Kansas**

**Total Depth: 3378'**

**Elevation:**

**Commenced: 1-5-81**

**Completed: 1-15-81**

**Casing: 8-5/8" @ 253'**

**Status: Dry Hole**

**DEPTHS & FORMATIONS**

**(All measurements from K.B.)**

<b>Soil &amp; shale</b>	<b>40</b>	<b>Shale</b>	<b>2570</b>
<b>Shale &amp; sand</b>	<b>400</b>	<b>Shale &amp; lime</b>	<b>3348</b>
<b>Shale</b>	<b>953</b>	<b>Lime &amp; shale (R.T.D.)</b>	<b>3378</b>
<b>Anhydrite</b>	<b>990</b>		

**STATE OF KANSAS )  
                  ) ss:  
COUNTY OF RUSSELL)**