

# KANSAS DRILLERS LOG

JUL 8 9 REC'D  
State Geological Survey  
WICHITA BRANCH

S. 16 T. 11S. R. 35W E W

API No. 15 — 109 — 20, 145  
County Number

Loc. SW/NE/NW

Operator

MULL DRILLING COMPANY, INC.

Address

221 N Main - Suite 300 - Wichita, KS 67202

Well No.

1

Lease Name

BERTRAND

Footage Location

990' feet from (N) ☒ line 990' feet from (E) ☒ line

Principal Contractor

Blue Goose Drilling Co.

Geologist

Dick Roby

Spud Date

4/26/80

Total Depth

4930

P.B.T.D.

4950'

Date Completed

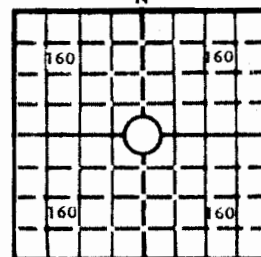
5/7/80

Oil Purchaser

E-Z SERVE - Oklahoma

County Logan Co., KS

640 Acres  
N



Locate well correctly

Elev.: Gr. 3293

DF KB 3302

## 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 $\frac{1}{4}$	8-5/8	20#	251'	225 sx cmn		3%cc 2% gel
Production	7-7/8	4-1/2	10 $\frac{1}{2}$ #	4908'	150 sx 50-50 poz		.75% CFR2 18% salt 2% gel

## LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

## PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4		4713-4723'
4		4312-4320'

## TUBING RECORD

Size	Setting depth	Packer set at

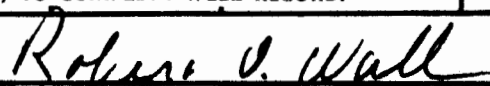
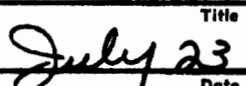
## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
6/18 300 gal 15% MCA 6/19 2000 gal 15% NE	
6/24 250 gal 15% MCA	4400'
6/26 3000 gal 15% NE	

## INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
7/ 19 /80		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	96	bbls.	MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Very slight amt			Lansing-KC		

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 DRILLING COMPANY, INC.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil	
Well No. 1	Lease Name BERTRAND		
S 16 T 11 S R 35 W			
<b>WELL LOG</b>		<b>SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.</b>	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME DEPTH
<p>T/Anhydrite 2746</p> <p>B/Anhydrite 2772</p> <p>Heebner 4108</p> <p>Toronto 4126</p> <p>Lansing 4147</p> <p>MuncieCrkSh 4294</p> <p>Stark Sh 4379</p> <p>Marmaton 4482</p> <p>Ft Scott 4632</p> <p>Cherokee 4665</p> <p>B/CheroLime 4771</p> <p>Sand 4784</p> <p>Mississippi 4836</p> <p>LTD 4923</p> <p>RTD 4930</p> <p>DST #1 / 4154-4182' / 30-45-60-60</p> <p>Weak to good blow (7")</p> <p>Rec: 740 feet muddy wtr</p> <p>ISIP 1230 IFP 70-240 FFP 250-370 FSIP 1095</p> <p>DST #2 4184-4216 / 30-45-60-60</p> <p>Strong blow off bttm bkt/15 min.</p> <p>Rec: 1110' water/scum of oil</p> <p>4th stand: 80% wtr/20% md/scum oil</p> <p>85h stand: water w/scum of oil</p> <p>Top of tool: 1/3 oil 1/3 wtr 1/3 mud</p> <p>ISIP 1193 IFP 83-270 FFP 281-531 FSIP 1193 (Ch=50,000 PPM)</p> <p>DST #3 / 4301-4335 / 30-45-60-60</p> <p>Weak to fair blow</p> <p>Rec: 180 feet mud cut oil(70% o/30% m)</p> <p>120 feet muddy oil (50% o/50% m)</p> <p>60 feet oily mud(40% o/60% m)</p> <p>Total Fluid: 360 feet</p> <p>ISIP 1286 IFP 83-104 FFP 146-166 FSIP 1275</p> <p>Cont'd</p>			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">   Robert  PRESIDENT </div> <div style="text-align: center;"> Signature  O. Wall </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">   Date </div> <div style="text-align: center;"> 1980 </div> </div>		

16- 11- 35W

# K. G. S. LIBRARY

WELL LOG  
Bertrand #1  
SW NE NW Sec. 16-11S-35W  
Logan County, Kansas

Name of Operator: Mull Drilling Co., Inc.  
221 N. Main- Suite 300  
Wichita, Kansas 67202

Date Completed: May 8, 1980

<u>FROM</u>	<u>TO</u>	
0	256	Surface Shale and Sand
256	2048	Shale and Sand
2048	2350	Shale and Salt
2350	2707	Shale
2707	3716	Shale and Sand
3716	4216	Shale and Lime
4216	4275	Lime
4275	4335	Shale and Lime
4335	4550	Lime
4550	4595	Shale and Lime
4595	4930	Lime
4930		Total Depth

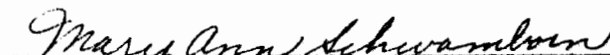
STATE OF KANSAS

COUNTY OF BARTON ss

George E. Miller, Jr., President of Blue Goose Drilling Co., Inc., being first duly sworn on oath says: That I have knowledge of the facts, statements and matters herein contained and the log of the above described well as filed and that the same are true and correct.

  
George E. Miller, Jr.

Subscribed and sworn before me this 14th day of May, 1980.

  
Notary Public Barton County