

WICHITA BRANCH

KANSAS DRILLERS LOG

S. 7 T. 12S R. 33W ^E/_W

API No. 15 —————
County Number

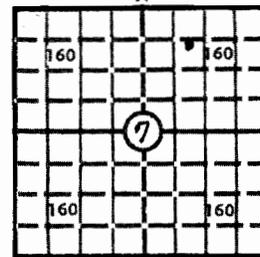
Loc. NW NE

County Logan

Operator
Beren Corporation

640 Acres
N

Address
970 Fourth Financial Center, Wichita, Kansas 67202



Well No. 1 Lease Name BERTRAND

Elev.: Gr. 3168

Footage Location
400 feet from (N) ● line 920 feet from ● (W) line

DF 3170 KB 3173

Principal Contractor Geologist

Spud Date September 3, 1977 Total Depth 4765' P.B.T.D.

Date Completed September 21, 1977 Oil Purchaser

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		8-5/8		323'		225	
Production		4-1/2		4765'			

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

Well No. 1 Lease Name BERTRAND

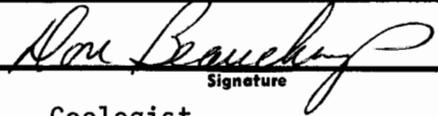
S 7 T 12S R 33W E
W

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
Surface Clay & Sand	0	290		
Shale	290	1451		
Sand & Shale	1451	2078		
Shale	2078	2285		
Shale & Sand	2285	2658		
Anhydrite	2658	2680		
Shale & Sand	2680	2890		
Shale	2890	3067		
Shale & Shells	3067	3135		
Shale & Lime	3135	3602		
Lime & Shale	3602	3820		
Lime	3820	4110		
Shale	4110	4120		
Lime (R.T.D.)	4120	4765		

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

Date Received	<div style="margin-bottom: 5px;"></div> <div style="margin-bottom: 5px;">Signature</div> <div style="margin-bottom: 5px;">Geologist</div> <div style="margin-bottom: 5px;">Title</div> <div style="margin-bottom: 5px;">October 14, 1977</div> <div style="margin-bottom: 5px;">Date</div>
---------------	--

721501