

State Geological Survey  
WICHITA, BRANCH

11-35-33W

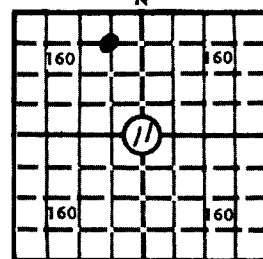
KANSAS DRILLERS LOG

S. 11 T. 35S R. 33W E W

Loc. C NE NW

County Seward

640 Acres



Locate well correctly

Elev.: Gr. 2812

DF KB 2821

API No. 15 — 175 — 20371  
County Number

Operator

Beren Corporation

Address

970 Fourth Financial Center, Wichita, Kansas 67202

Well No.

2

Lease Name

HOWLAND

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Zenith Drilling

Geologist

Spud Date

August 30, 1978

Total Depth

6525

P.B.T.D.

Date Completed

September 15, 1978

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		1505	Hall-Lite Class "H"	650 150	2% CC 3% CC
Production		4½	10.5#	6521	50-50 pozmix	50	10% salt, 12% gel, .5% CFR-2
					50-50 pozmix	200	18% salt, .5% CFR-2, 12½# gilsonite/sx
					50-50 pozmix	150	18% salt, .75% CFR-2

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 <b>Beren Corporation</b>		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. <b>2</b>	Lease Name <b>HOWLAND</b>	Gas	
S <u>11</u> T <u>35</u> R <u>33</u> W <sup>E</sup> <sub>W</sub>			
<b>WELL LOG</b>		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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
Clay and sand	0	518	
Sand and red bed	518	1205	
Red bed	1205	2150	
Shale	2150	2930	
Dolomite	2930	3985	
Lime and shale	3985	6525	
T.D.	6525		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="text-align: right; margin-bottom: 5px;">             Signature         </div> <div style="text-align: right; margin-bottom: 5px;">           Don Beauchamp - Geologist            Title         </div> <div style="text-align: right;">           February 2, 1979            Date         </div>		

22- 9311

WELL LOG

COMPANY Beren Corporation

SEC. 11-35S-33W

FARM Howland

NO. 2

LOC. C NW/4

TOTAL DEPTH 6525'

COUNTY Seward

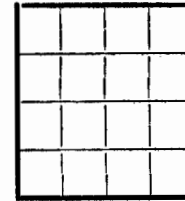
COMM. 8/30/78

COMP. 9/15/78

CONTRACTOR Zenith Drilling Corporation, Inc.

CASING

1505' of 8 5/8" casing, cemented w/800 sacks  
6521' of 4 1/2" casing, cemented w/400 sacks



ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

518	Clay & Sand
1205	Sand & Red Bed
2150	Red Bed
2930	Shale
3985	Dolomite
6525	Lime & Shale

RECEIVED  
STATE GEOLOGICAL SURVEY

SEP 26 1978

CONSERVATION DIVISION  
Wichita, Kansas

State of KANSAS }  
SEDCWICK } SS