

**State Geological Survey**  
WICHITA, BRANCH

**KANSAS DRILLERS LOG**

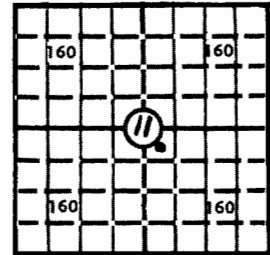
S. 11 T. 31 R. 9 <sup>NE</sup> <sub>W</sub>

API No. 15 — 077 — 20,210  
County Number

Loc. NW NW SE

County Harper

640 Acres  
N



Locate well correctly

Elev.: Gr. 1628

DF 1630 KB 1633

Operator  
**Beren Corporation**

Address **1130 Vickers KSB&T Building  
Wichita, Kansas**

Well No. #1 Lease Name **Miller-Drake**

Footage Location  
2310 feet from ~~XXX~~ (S) line 2310 feet from (E) ~~XXX~~ line

Principal Contractor **Gabbert-Jones, Inc.** Geologist **Byron Hummon**

Spud Date **October 4, 1973** Total Depth **4425** P.B.T.D.

Date Completed **October 17, 1973** 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		13-3/8	61#	80'	60/40 Poz.	70	3% C.C.
Surface	12 1/2	8-5/8	28#	250'	60/40 Poz.	270	3% C.C.

**LINER RECORD**

**PERFORATION RECORD**

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

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

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.: Dry Hole
Well No. 1	Lease Name Miller-Drake	
S 11 T 31 S R 9 <del>W</del> W		

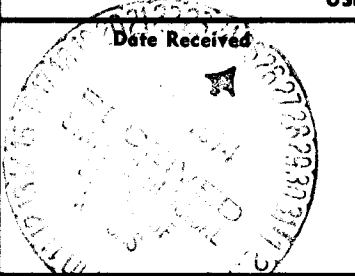
**WELL LOG**


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
#1 30/37/30/30 Good blow throughout Rec. 2450' water 1222/1222 561/1222	2978	3990	Cottonwood Neva Indian Cave Penn. Howard	2126 2176 2382 2428 2838
#2 30/45/60/60 gas to surface - 23 min. 10,000 CFG Max. gauge Rec. 115 SGCM 1072/1031 50/70	4376	4397	Topeka Heebner Shale Douglas Sand Lansing Miss. Chert Porosity	2968 3436 3554 3642 4374 4380
#3 30/45/90/90 gas to surface - 25 min. Max. gauge 12,700 CFG - 20 min. stable @ 9000 CFG Rec. 60' GCM No pressures recorded	4385	4493		
#4 30/45/60/60 fair blow Rec. 290' water 952/934 18/154	2340	2430		

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



  
 \_\_\_\_\_  
 Signature  
 Don W. Beauchamp - Geologist  
 \_\_\_\_\_  
 Title  
 January 25, 1974  
 \_\_\_\_\_  
 Date

GABBERT-JONES, INC.  
WICHITA, KANSAS  
DRILLERS' WELL LOG

11-31-9W

MILLER-DRAKE #1  
NW NW SE  
Section 11-31S-9W  
Harper County, Kansas

Commenced: October 4, 1973  
Completed: October 18, 1973

OPERATOR: BEREN CORPORATION

DEPTH		FORMATION	REMARKS
From	To		
0	250	Surface clay-sand-shale	Ran Ran 2 jts of new 13 3/8" csg 61# csg. L.D. @ 80' w/70 sks 60-40 Posmix, 2% Gal, 3% CC Complete @ 9:30 PM 10/4/1973
250	27870	Redbed-shale	
870	1125	Shale-shells	
1125	1410	Shale-lime	
1410	2175	Lime-shale	
2175	2682	Shale	
2682	3680	Shale-lime	
3680	3720	Lime-shale	
3720	4425	Lime	
4425		TD	
			Ran 6 jts of used 28# 8 5/8" csg. set @ 250' cemented w/270 sks 60/40 Posmix, 3% CC, 2% Gal Centralizer @ 235' & 70' Basket @ 82'. P.D. @ 6:15 PM 10/ 5/1973

DRY AND ABANDONED

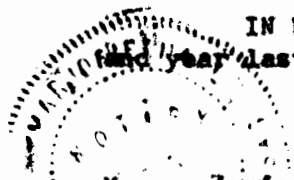
I, James S. Sutton, II, certify this is a correct copy of the Drillers' Log for the well drilled in the NW NW SE, Section 11-31S-9W, Harper County, Kansas to the best of my knowledge and belief.

*James S. Sutton, II*  
James S. Sutton, II

STATE OF KANSAS        )  
                                  ) SS  
COUNTY OF SEDGWICK    )

Before me, the undersigned, a Notary Public within and for said County and State, on this 24th day of October, 1973, personally appeared James S. Sutton, II, to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.



*Marjorie Hall*  
Marjorie Hall