

**KANSAS DRILLERS LOG**

**IMPORTANT**  
 Kans. Geo. Survey request  
 samples on this well.

State Geological Survey  
 35-12W

WICHITA BRANCH

S. 4 T. 35 R. 12 E. W

Loc. SE SE NW

County Barber

API No. 15 — 007 — 20,844  
 County Number

Operator  
 Beren Corp.

Address  
 970 Fourth Financial Center Wichita, Kansas 67202

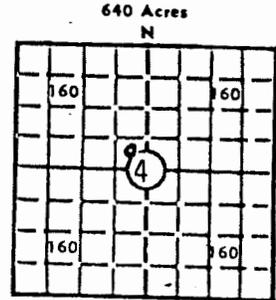
Well No. #4 Lease Name Blackstock

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

Principal Contractor Union Drilling Geologist Bill Iverson

Spud Date December 10, 1980 Total Depth 4840 P.B.T.D.

Date Completed December 16, 1980 Oil Purchaser



Elev.: Gr. 1444

DF 1446 KB 1449

**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 3/4"	8-5/8"		398	60-40 poz	300	
Production		5 1/2"		4839	60-40 poz	250	

**LINER RECORD**

**PERFORATION RECORD**

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

**TUBING RECORD**

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.)										
<table border="1"> <tr> <th>RATE OF PRODUCTION R 24 HOURS</th> <th>Oil</th> <th>Gas</th> <th>Water</th> <th>Gas-oil ratio</th> </tr> <tr> <td>Position of gas (vented, used on lease or sold)</td> <td>bbls.</td> <td>MCF</td> <td>bbls.</td> <td>CFPB</td> </tr> </table>	RATE OF PRODUCTION R 24 HOURS	Oil	Gas	Water	Gas-oil ratio	Position of gas (vented, used on lease or sold)	bbls.	MCF	bbls.	CFPB	Producing interval(s)
RATE OF PRODUCTION R 24 HOURS	Oil	Gas	Water	Gas-oil ratio							
Position of gas (vented, used on lease or sold)	bbls.	MCF	bbls.	CFPB							

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 desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas

Operator

*EC*

*C*

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

Beren Corporation

Well No.

4

Lease Name

BLACKSTOCK

Oil

S 4 T 35 R 12 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
Shale	0	4340		
Shale and lime	4340	4674		
Lime	4674	4840		
RTD	4840			

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

Date Received

*Don Beauchamp*

Signature

Don Beauchamp - Geologist

Title

January 31, 1980

Date

4. 35-12W



CONTRACTOR'S WELL LOG

OPERATOR: ~~Berne~~ Berne Corporation  
 CONTRACTOR: Union Drilling Co., Inc.  
 LEASE NAME: #4 Blackstock  
 LOCATION: NE-NE-NW Section 4-35-S-12W  
 Barber County, Kansas  
 COMMENCED: December 10, 1979  
 COMPLETED: December 16, 1979

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0	4340	Shale
4340	4674	Shale & lime
4674	4840	Lime
4840		T D

State Geological Survey  
WICHITA BRANCH

We Certify that the above and foregoing is a true and correct copy of the log on the #4 Blackstock, NE-NE-Nw Section 4-35S-12W, Barber County, Kansas.

Union Drilling Co., Inc.

*R. D. Messinger*  
R. D. Messinger

STATE OF KANSAS     )  
                                  ) SS  
COUNTY OF DEDGWICK )

Subscribed and sworn to before me, a Notary Public, in and for the aforesaid County and State as of this 20th day of December, 1979.

My appointment expires:

6-2-82

RECEIVED  
 STATE GEOLOGICAL SURVEY COMMISSION  
*Cynthia L. Romey*  
 Cynthia L. Romey Notary Public  
 CONSERVATION DIVISION  
 Wichita, Kansas