

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

State Geological Survey 22-2-22  
 WICHITA BRANCH

**KANSAS**

**WELL COMPLETION REPORT AND  
 DRILLER'S LOG**

API No. 15 — 039 — 20539  
                     County                    Number

Operator  
 Cherokee Petroleum Corp.

Address  
 Suite 2300, 410 - 17th St., Denver, CO 80202

Well No. 1                      Lease Name  
    Bremer

Footage Location  
 330 feet from (N) (S) line                      1980                      feet from (E) (W) line

Principal Contractor                      Geologist  
 Banner Drilling                      Dave Shumaker

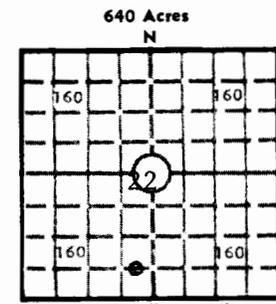
Spud Date                      Date Completed                      Total Depth                      P.B.T.D.  
 Nov 9, 1980                      Nov 20, 1980                      4205

Directional Deviation                      Oil and/or Gas Purchaser  
    P & O Falco

S. 22 T. 2S R. 28 <sup>XX</sup>W

Loc. C E/2 SESW

County Decatur



Locate well correctly  
 Elev.: Gr. 2594

DF \_\_\_\_\_ KB 2600

**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	11 1/4	8-5/8		198	60-40 Poz	120	2% gel 3% cc
Production	7-7/8	4 1/2	9.5	4205	Reg	300	Salt flush, 2% gel, salt, Gilsonite in top 50 sacks.

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		3562-64
			4		3574-79
			4		3612-16
			4		3686-88
			4		3722-24
			4		3746-48

**TUBING RECORD**

Size	Setting depth	Packer set at	Shots per ft.	Depth interval
			4	3686-88
			4	3722-24
			4	3746-48

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
750 gal 28% acid	3562-64
500 gal acid	3574-79
Polymer Squeeze - 750 gal 28%	3612-16
Polymer Squeeze - 250 gal 28%	3686-88
750 gal acid; 2250 gal 28%	3722-24
750 gal 28%; 1500 gal 28%	3746-48
250 gal 28%	4181-83

**INITIAL PRODUCTION**

Date of first production 1/29/81	Producing method (flowing, pumping, gas lift, etc.) Pumping		
RATE OF PRODUCTION PER 24 HOURS	Oil 72 bbls.	Gas MCF	Water 18 bbls.
Disposition of gas (vented, used on lease or sold)		Producing interval (s) 3562-64	
		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, 245 No. Water, Wichita, Kansas 67202. 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.  
 P&O Falco; Energy Land Service; Jim Rogers; CEC; Well file

Operator Cherokee Petroleum Corp.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1	Lease Name Bremer	Oil
S22 T 2S R 28 <sup>XK</sup> <sub>W</sub>		

**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
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<u>FORMATION</u>	<u>DEPTH</u>	<u>MINUS DATUMS</u>	
Anhydrite	2268	+	332
Base Anhydrite	2298	+	302
Topeka	3415	-	815
Oread	3514	-	914
Heebner	3530	-	930
Toronto	3562	-	962
Lansing - Kansas City	3574	-	974
Base - Kansas City	3779	-	1179
Cherokee	4003	-	1403
Arbuckle	4118	-	1518
Reagan	4172	-	1572
Granite Wash	4178	-	1578
*Granite	4196	-	1596
Rotary T.D.	4205	-	1605
Log T.D.	4207	-	1607
*Sample Top			

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

Date Received	<p align="center"><i>Courtney E. Cook</i>          Courtney E. Cook <small>Signature</small>          Vice President - Operations  <small>Title</small>          February 23, 1981  <small>Date</small></p>
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