

KANSAS

WELL COMPLETION REPORT AND  
DRILLER'S LOGIMPORTANT  
Kans. Geo. Survey request  
samples on this well.

API No. 15

119  
County20,415  
Number

WICHITA BRANCH

Operator

Calvin Exploration, Inc.

Address

1125 Seventeenth St., Suite 2000, Denver, Colorado 80202

Well No.

#1-21

Lease Name

Hofmeister

Footage Location

2310' FNL

2310' FEL

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Search Drilling Co.

Geologist

Paul M. Gerlach

Spud Date

04-27-81

Date Completed

08-13-81

Total Depth

5800'

P.B.T.D.

5800'

Directional Deviation

3/4° @ 1582', 1° @ 5655'

Oil and/or Gas Purchaser

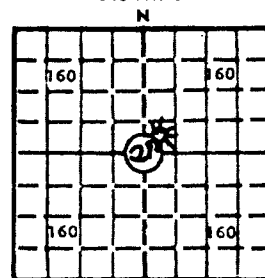
Panhandle Eastern Pipe Line Co.

S. 21 T. 32 R. 29 E W

Loc. SW NE

County Meade

640 Acres



Locate well correctly

Elev.: Gr. 2701'

2709'

2711'

DF

KB

## 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
Conductor	30"	20"		46'	Redimix	6 yds	
Surface csg	12-1/4"	8-5/8"	23#	1576'	HLC Class H	600 200	2% CaCl 3% CaCl
Production csg	7-7/8"	4-1/2"	10-1/2#	5800'	50/50Poz	200	18% NaCl, 3/4% CFR2

## LINER RECORD

## PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2SPF	1-9/16" jet tbq	gun 5636' - 5644
Size 2-3/8"	Setting depth 5753'	Packer set at 5592'	2SPF	3-1/8" csg gun	5636' - 5644'

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
33,000 gal 70% quality foam & 330' sx 20/40 frac sd.	5636 - 5644'
1500 gal 7-1/2% Fe acid comingled w 1000 SCF N <sub>2</sub> /bbl.	5636 - 5644'
200000 gal 2% gelled KCl wtr.	5636 - 5644'

## INITIAL PRODUCTION

Date of first production SIGW	Producing method (flowing, pumping, gas lift, etc.) Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil Gas Water Gas-oil ratio
Disposition of gas (vented, used on lease or sold) sold	Producing interval (s) 5636' - 5644'

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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator CALVIN EXPLORATION, INC.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1-21	Lease Name HOFMEISTER	GAS
C 21 T 32 R 29 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
<u>FORMATION</u>			<u>SAMPLE TOPS</u>	
Sand and Clay	0	194	Heebner	4430'
Clay and Sand	194	570	Toronto	4455'
Red Bed and Lime	570	2400	Lansing-KC	4570'
Lime and Shale	2400	5800	Marmaton	5163'
RTD	5800		Novinger	5222'
			Cherokee	5322'
			B 2nd Shale	5346'
			Morrow	5628'
			Chester	5684'

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

Date Received	<div style="text-align: center;">             Gary C. Wilkins, Executive Vice President            Operations            August 27, 1981         </div>
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81

DRILLERS *State Geological Survey*  
WICHITA BRANCH  
HOFFMEISTER #1-21

PC  
SEP

CASING RECORD:  
8 5/8" set at 1566'  
w/ 800 sacks cement

OPERATOR: Calvin Exploration, Inc.

DESCRIPTION:

CONTRACTOR: Search Drilling Co.

NE/4,  
Section 21-32S-29W  
Meade County, Kansas

TOTAL DEPTH:

COMMENCED: April 27, 1981

5800'

COMPLETED: May 11, 1981

FORMATION

FROM

TO

REMARKS

Sand and Clay  
Clay and Sand  
Red Bed and Lime  
Lime and Shale  
Rotary Total Depth

0 194  
194 570  
570 2400  
2400 5800  
5800

Ran 138 jts 4 1/2"  
set at 5799'  
with 200 sacks  
50/50 posmix.  
Plug down at 5:00 PM  
May 11, 1981.

I certify that this is a true and correct copy of the above log to the best of my knowledge.

SEARCH DRILLING CO.

N. J. Johnson

Subscribed and sworn to before me this 15th day of May, 1981.

My appointment expires:  
February 22, 1985

Maxine Dressen

Notary Public

RECEIVED  
STATE CORPORATION COMMISSION

MAY 18 1981

CONSERVATION DIVISION  
Wichita, Kansas

