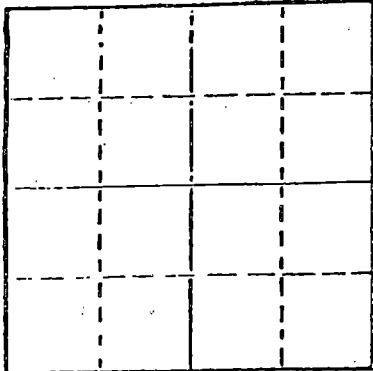


STATE OF KANSAS  
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to  
Conservation Division  
State Corporation Comm.  
245 North Water  
Wichita, KS 67202



Locate well correctly on above  
Section Plat

Comanche County, Sec. 31 Twp. 32 Rge. 20 E/W  
Location as "NE/CNW 1/4 SW 1/4" or footage from lines  
C S/2 S/2 SW 1/4

Lease Owner Calvin Exploration, Inc.

Lease Name Coate Well No. 1

Office Address Englewood, Colorado 80111

Character of Well (Completed as Oil, Gas or Dry Hole)  
Gas

Date Well completed 11-17 1978

Application for plugging filed 1-20 1980

Application for plugging approved 1-21 1980

Plugging commenced 2-6 1980

Plugging completed 2-13 1980

Reason for abandonment of well or producing formation

Non Commercial Value

If a producing well is abandoned, date of last production  
19

Was permission obtained from the Conservation Division or  
its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. Owen

Producing formation Depth to top 5211' Bottom 5219' Total Depth of Well 5275'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Surface				8 5/8"	774'	0'
Production				4 1/2"	5274'	3617'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hold. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

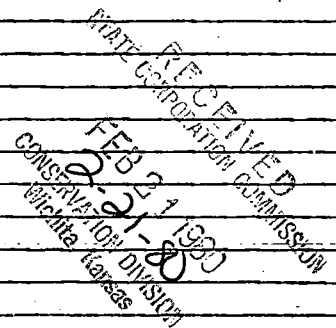
Pumped 1 sack hulls & 35 sacks cement to 4860'

Displaced to 824'

Pumped 35 sacks cement 824' to 724'

Displaced to 40'

Put bridge & 10 sacks cement 40' to 0'



(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Midwest Casing Pulling

Box F, Sublette, Kansas Permit # 766

STATE OF KANSAS COUNTY OF HASKELL, ss.

I Robert L. Higginbottom, Agent (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature)

Robert L. Higginbottom

Box F, Sublette, Kansas 67877 (Address)

SUBSCRIBED AND SWORN TO before me this 14th day of February, 1980

Sondra L. Eves

Notary Public.

My commission expires 12-6-80



KANSAS DRILLERS LOG

S. 31 T. 32 R. 20 E W

Loc. S2 S2 SW

County Comanche

API No. 15 — 033 — 20,262-00-00  
County Number

Operator  
Calvin Exploration, Inc.

Address  
5680 S. Syracuse Circle Englewood, Colo 80111

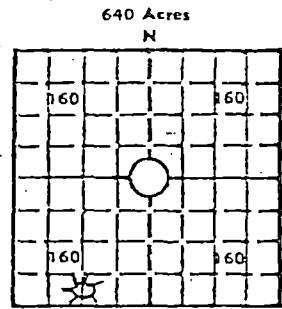
Well No. #1-31 Lease Name Coate, Charles

Footage Location 330' 1320'  
feet from XX (S) line feet from XX (W) line

Principal Contractor Search Drilling Geologist David Ward

Spud Date 10-4-78 Total Depth 5275' P.B.T.D. 5221'

Date Completed 11-20-78 Oil Purchaser OKC.



Elev.: Gr. 1929'

DF 1938' KB 1939'

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 1/4"	8 5/8"	24#	774'	Common Class H Lite	100 290	3% CaCl
Production	7 7/8"	4 1/2"	10.5#	5274'	50/50 Posmix	200	18% NaCl, 12 1/2% Gilsonite, 75% CFR

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None					
TUBING RECORD			2		5211-5219
Size	Setting depth	Packer set at			
2 3/8"	5197	No packer			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Treated with 750 gal. - 15% Acid	5211-5219

INITIAL PRODUCTION

Date of first production March 30, 1979 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS Oil bbls. 785 MCF Water bbls. CFPB

Disposition of gas (vented, used on lease or sold) Sold Producing interval (s) Morrow 5211-5219

RECEIVED  
STATE CORPORATION COMMISSION  
AUG 18 1980  
CONSERVATION DIVISION  
Wichita, Kansas

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

Calvin Exploration, Inc.

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

Gas

Well No.

1-31

Lease Name

Coate

S 31 T 32 R 20<sup>XB</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

Redbed, anhydrite, salt

0

2400

Chase

2393

Limestone &amp; shale

2400

5198

Heebner

4240

Sand &amp; shale

5198

5222

Lansing

4431

Limestone

5222

TD

Cherokee

5080

B/Inola

5198

, Miss.

5222

Ran Dual Induction  
S.P. - G.R.  
andDensity - Neutron  
G.R. - CaliperRECEIVED  
STATE CORPORATION COMMISSION  
AUG 18 1980  
CONSERVATION DIVISION  
Wichita, Kansas

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

Date Received

Dean R. Calvin

Signature

Secretary - Calvin Exploration, Inc.

Title

July 27, 1979

Date