

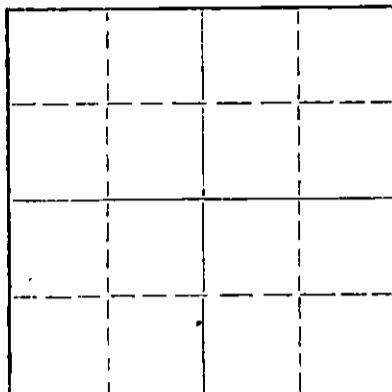
STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 No. Market
Wichita, Kansas

NORTH



Locate well correctly on above
Section Plat

Hodgeman County, Sec. 2 Twp. 21S Rge. (E) 26 (W)

Location as "NE/CNW/SW" or footage from lines C SE NE

Lease Owner Imperial Oil Company

Lease Name Bitter "B" Well No. 1

Office Address 780 Fourth National Bldg., Wichita, Ks.

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

Date well completed 12-5 1968

Application for plugging filed 12-5 1968

Application for plugging approved 12-5 1968

Plugging commenced 12-5 1968

Plugging completed 12-5 1968

Reason for abandonment of well or producing formation No commercial quantities of oil were encountered.

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 Edgar J. Eves, Sublette, Kansas

Producing formation Depth to top Bottom Total Depth of Well 4410 Feet

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 casing	set at	266	with 175	sacks, 8	5/8"	Not pulled.
					RECEIVED	
					STATE CORPORATION COMMISSION	
					12-23-68	
					DEC 23 1968	
					CONSERVATION DIVISION	
					Wichita, Kansas	

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 hole. If cement or other plugs were used, state the character of same and depth placed, from 4410 feet to feet for each plug set.

Set first plug at 900 ft. with 100 sacks cement.

Set second plug at 260 ft. with 30 sacks cement.

Set third plug at 40 ft. with 10 sacks cement.

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

Name of Plugging Contractor Imperial Oil Company

Address 780 Fourth National Bldg., Wichita, Kansas 67202

STATE OF KANSAS COUNTY OF SEDGWICK ss. William A. Sladek (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. IMPERIAL OIL COMPANY

(Signature) William A. Sladek
William A. Sladek
780 Fourth National Bldg., Wichita, Ks.
(Address)

SUBSCRIBED AND SWORN to before me this 10th day of December, 1968

My commission expires March 3, 1970

Mary J. Brown Notary Public.

DRILLER'S LOG

15.083-20065-0000

Imperial Oil Company
780 Fourth National Bldg.
Wichita, Kansas 67202

#1 Bitter "B"
C SE NE Sec. 2-21S-26W
Hodgeman County, Kansas

Total Depth: 4410 ft.
Elevation: 2422 K.B.
Commenced: 11-24-68 Completed: 12-5-68
Dry Hole
Contractor: Imperial Oil Co., Rig #2
Casing Record: Set 8 5/8 inch surface casing at 266 ft. with 175
sacks of cement.

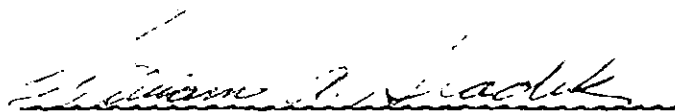
Figures indicate bottom of formations:

		<u>Sample Tops</u>	
266'	Rock-sand	Anhydrite	1607 (≠ 815)
320'	Shale	Base Anhydrite	1643 (≠ 779)
415'	Sand	Heebner	3712 (-1290)
500'	Shale	Toronto	3731 (-1309)
1085'	Shale-shells	Lansing	3754 (-1332)
1315'	Dakota Sand	Base Kansas City	4151 (-1728)
1470'	Shale-red bed	Ft. Scott	4248 (-1826)
1607'	Shale-shells	Cherokee Shale	4276 (-1854)
1643'	Anhydrite	Cherokee Lime	4287 (-1865)
1825'	Shale-shells	Mississippi Dolomite	4395 (-1973)
2110'	Shale	Rotary Total Depth	4410 (-1988)
2250'	Shale-lime	3820'	Lime-shale
2670'	Lime-shale	3895'	Lime
2790'	Shale-lime	3943'	Lime-shale
3030'	Lime-shale	4410'	Lime
3136'	Shale-lime	<u>4410'</u>	<u>Rotary Total Depth</u>

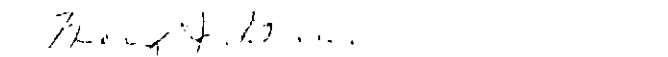
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DEC 23 1968
CONSERVATION DIVISION
Wichita, Kansas

We hereby certify this to be a correct and accurate log of the above described well, as shown on the daily drilling reports.

IMPERIAL OIL COMPANY


William A. Sladek

Subscribed and sworn to before me this 10th day of December, 1968.


Mary J. Brown, Notary Public

My Commission Expires:
March 3, 1970

15-083-20065-0000

GEOLOGICAL REPORT

#1 BITTER "B"
C SE NE Sec. 2-21S-26W
Hodgeman County, Kansas

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Wichita, Kansas

GEOLOGICAL REPORT

Company: Imperial Oil Company
 Farm: Bitter "B" #1
 Contractor: Imperial Oil Company, Rig #2
 Pool: Buda S. E.

Hodgeman County, Kansas
 C SE NE Sec. 2-21S-26W
 Elevation: 2422 K.B.
 Rotary Total Depth 4410'

Rotary Completed: 12-5-68

Geological Data:

Samples were examined from 3700 feet to Rotary Total Depth. One foot drilling time was kept from 3500 feet to Rotary Total Depth. (Electric log information: No electric log was run.)

Formation Tops

	<u>Sample Tops</u>
Anhydrite	1607 (f 815)
Base Anhydrite	1643 (f 779)
Heebner	3712 (-1290)
Toronto	3731 (-1309)
Lansing	3754 (-1332)
Base Kansas City	4151 (-1728)
Ft. Scott	4248 (-1826)
Cherokee Shale	4276 (-1854)
Cherokee Lime	4287 (-1865)
Mississippi Dolomite	4395 (-1973)
Rotary Total Depth	4410 (-1988)

Porosity and Shows of Oil

There were no oil shows in the Lansing, Marmaton, Cherokee, or Conglomerate Sections.

Mississippi Dolomite

- 4395-99 Buff to light gray, very dense, finely crystalline dolomite. Poor porosity. Fair show of free oil.
- DST #1 4336-4400'. Open 90 minutes. Weak blow. Recovered 30 feet very slightly oil cut mud. ICIP 1032#, IFP 46#, FFP 58#, FCIP 915#/30".
- 4399-4406 Light gray dolomite, sucrosic to amorphous. Coarse in texture. Fair vugular porosity. Good show of free oil.
- DST #2 4397-4405'. Open 90 minutes. Fair blow. Recovered 30 feet gas, 90 feet oil and gas cut mud, 20 feet water. ICIP 1123#, IFP 46#, FFP 58#, FCIP 1123#/30".
- 4406-10 Dolomite as described from 4399-4406. Fair porosity. Scattered show of free oil.

GEOLOGICAL REPORT: #1 Bitter "B"

DST #3 4402-10'. Open 60 minutes. Strong blow. Recovered 150 feet
oil cut water, 300 feet water. ICIP 1100#, IFP 58#, FFP 152#,
FCIP 1054#/30".

Rotary Total Depth 4410'

D & A

December 5, 1968

IMPERIAL OIL COMPANY


William A. Sladek, Geologist on Well

WAS:j1

15-083-20065-0000

We are at this time enclosing the drilling time log on the #1 Bitter "B". Please file this with the Geological Report we sent you last year when this well was drilled. Reason for delay in sending drilling time was drilling sheets were left out in the "field".

IMPERIAL OIL COMPANY
780 Fourth National Bank Bldg.
WICHITA, KANSAS 67202

2-21-26w

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Wichita, Kansas

DRILLING TIME LOG
 \$1 Bitter "B"
 C SE NE Sec. 2-21S-26W
 Hodgeman County, Kansas

Depth	Minutes	Remarks
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1' Intervals

3500-3510	2-2-2-2-3/1-2-2-4-1	
20	2-1-1-3-4/4-5-4-2-2	
30	2-1-2-1-2/2-4-4-3-3	
40	4-4-3-3-4/3-3-3-4-3	
50	4-3-3-3-4/4-3-4-4-4	
60	4-3-4-3-3/2-2-1-1-3	
70	4-3-3-3-3/1-1-1-2-2	
80	2-3-3-2-2/5-4-4-3-4	
90	4-4-3-2-3/3-3-3-6-4	
3600	5-3-3-3-4/4-4-5-4-4	
3600-3610	5-5-4-3-3/3-4-4-5-3	
20	2-2-1-1-2/1-2-2-2-2	
30	1-1-1-1-1/2-1-2-2-3	
40	4-4-2-2-3/1-2-2-1-1	
50	1-2-2-3-4/5-6-4-2-3	
60	½-½-½-1-1/1-1-1-1-1	
70	1-1-1-1-2/1-1-2-1-1	
80	1-½-½-½-½/½-½-½-½-½	
90	½-½-½-½-½/½-½-½-½-½	
3700	½-½-½-½-½/½-2-1-1-0	
3700-3710	2-4-2-3-4/3-6-6-6-6	
20	5-5-3-3-3/4-5-4-7-4	
30	3-5-5-5-4/4-4-5-4-4	
40	3-5-4-2-6/5-3-5-4-3	
50	6-7-5-6-5/5-7-7-5-5	
60	5-5-6-4-5/2-3-3-3-3	
70	2-5-6-4-5/3-3-3-5-5	
80	5-5-6-4-6/5-5-5-5-6	
90	6-5-7-4-5/4-5-6-4-3	
3800	3-3-2-3-2/2-2-4-5-6	

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1' Corr at 3700'

DRILLING TIME LOG: #1 Bitter "B"

Depth	Minutes	Remarks
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1' Intervals

3800-3810	5-3-4-4-5/3-5-6-7-3	
20	5-6-5-6-7/7-6-7-3-3	
30	3-3-3-4-3/5-4-4-4-4	
40	5-4-6-7-5/5-5-6-6-7	
50	7-7-8-8-9/8-6-9-9-6	
60	4-6-8-6-7/6-6-5-5-4	
70	4-3-3-3-3/3-3-4-4-3	
80	4-5-6-9-8/5-5-5-5-5	
90	4-8-5-4-4/4-4-3-4-7	
3900	10-7-9-9-9/4-5-5-3-4	

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3900-3910	4-3-4-4-5/5-5-5-7-6	
20	7-8-4-4-4/4-4-4-0-4	
30	3-6-6-7-6/4-6-4-3-10	
40	10-5-6-6-6/6-6-7-12-11	
50	8-7-8-12-8/9-9-8-9-7	
60	4-5-10-10-10/8-9-9-7-10	
70	11-6-6-8-12/10-11-10-5-5	
80	5-6-5-6-3/3-2-4-3-3	
90	5-4-7-8-8/11-11-11-12-8	
4000	10-10-11-13-11/14-12-10-10-10	

1' corr. @ 3919'

4000-4010	13-14-13-12-9/7-6-5-2-4	
20	5-5-3-4-4/3-1-2-3-3	
30	6-7-5-5-5/5-9-4-6-6	
40	6-5-3-5-5/6-6-2-3-3	
50	5-4-3-4-3/4-7-5-4-3	
60	4-5-6-6-4/5-6-7-6-6	
70	5-5-4-5-4/7-8-7-4-2	
80	2-8-7-7-5/5-4-3-2-3	
90	3-4-5-7-7/7-8-8-8-8	
4100	8-8-8-6-6/6-6-9-9-7	

Trip @ 4027'

4100-4110	7-6-6-6-5/7-9-10-10-10	
20	10-6-10-11-11/9-6-5-5-8	
30	6-7-7-6-10/11-10-12-9-11	
40	10-8-9-10-7/5-5-4-3-4	
50	4-7-6-6-4/5-6-10-9-10	
60	11-7-6-10-8/4-6-6-6-4	
70	6-4-5-7-7/7-6-6-7-6	
80	9-10-9-10-8/5-7-6-7-6	
90	9-11-9-6-9/9-6-7-9-9	
4200	9-10-8-6-6/7-10-10-11-9	

Trip at 4200'

DRILLING TIME LOG: #1 Bitter "B"

Depth	Minutes	Remarks
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1' Intervals

4200-4210	6-6-6-6-5/7-7-7-7-7	
20	6-6-6-6-5/7-6-6-6-3	
30	2-2-6-6-7/7-7-7-7-7	
40	8-6-6-7-6/6-6-6-4-3	
50	3-3-3-3-4/3-3-4-7-7	
60	8-9-12-13-11/13-12-12-12-12	
70	11-12-10-10-14/12-14-13-14-13	
80	11-11-9-10-6/6-4-5-5-4	
90	4-4-5-5-6/6-6-7-8-11	
4300	10-7-11-10-13/10-14-8-9-6	
4300-4310	7-7-6-6-8/8-8-9-8-9	
20	5-5-5-8-9/10-10-11-9-10	
30	7-6-6-9-6/7-7-7-8-8	
40	10-9-10-10-11/10-6-9-7-10	
50	12-13-13-7-8/7-9-14-6-8	
60	7-7-7-5-6/6-5-6-5-6	
70	6-7-7-6-7/6-8-8-9-8	
80	7-7-8-7-6/7-6-6-7-8	
90	6-7-6-6-8/7-7-6-6-8	
4400	10-9-11-7-9/13-20-17-15-11	
4400-4410	3-2-2-2-2/2-4-4-6-7	

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Trip @ 4348'

Stop @ 4385'; Stop @ 4395';
DST #1: 4336-4400'; Circ.

DST #2: 4397-4405'; Circ.

Rotary Total Depth 4410'