

STATE OF KANSAS
STATE CORPORATION COMMISSION

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

WELL PLUGGING RECORD

Ness County, Sec 29 Twp 16S Rge. (E) 23(W)

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

Lease Owner Imperial Oil Company

Lease Name Mishler Well No. 1

Office Address 780 Fourth National Bldg., Wichita, Kansas

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

Date well completed February 20 1968

Application for plugging filed February 19 1968

Application for plugging approved February 19 1968

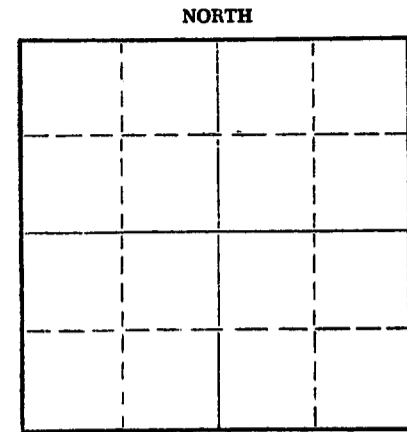
Plugging commenced February 20 1968

Plugging completed February 20 1968

Reason for abandonment of well or producing formation No commercial quantities of oil and/or gas 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



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Leo F. Massey, Hays, Kansas

Producing formation Depth to top Bottom Total Depth of Well 4624 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	8 5/8" at	304 ft.	with 200 sacks		Not pulled.

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 4624 feet to feet for each plug set.

Set first plug at 800 feet with 70 sacks.
Set second plug at 300 feet with 20 sacks.
Set third plug at 40 feet with 10 sacks.

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CONSERVATION DIVISION
Wichita, Kansas
2-29-68

(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
780 Fourth National Bldg., Wichita, Ks.
(Address)

SUBSCRIBED AND SWORN TO before me this 23rd day of February, 1968

Mary J. Brown
Mary J. Brown Notary Public.

My commission expires March 3, 1970

DRILLER'S LOG

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

15-135-20117-0000
Mishler No. 1
C NE SE Sec. 29-16S-23W
Ness County, Kansas

Total Depth: 4624 ft.

Elevation: 2503 K.B.

Commenced: 2-7-68

Completed: 2-20-68
Dry Hole

Contractor: Imperial Oil Co., Rig #2

Casing Record: Set 8 5/8" surface casing at 304 feet with 200 sacks of cement.

Figures indicate bottom of formations:

304' Sand-shale
1330' Shale-shells
1560' Dakota Sand
1850' Shale-red bed
1881' Anhydrite
1925' Shale-shells
2225' Lime-shale
2500' Shale-lime
2930' Lime-shale
3001' Lime
3285' Shale-lime
3555' Lime-shale
3815' Shale-lime
3975' Lime-shale
4476' Lime
4527' Core #1
4624' Lime
4624' Rotary Total Depth

Electric Log Tops:

Anhydrite 1850 (/ 653)
Base Anhydrite 1883 (/ 620)
Heebner 3903 (-1400)
Toronto 3929 (-1426)
Lansing 3944 (-1441)
Base Kansas City 4242 (-1739)
Marmaton 4278 (-1775)
Pawnee 4351 (-1848)
Fort Scott 4442 (-1939)
Cherokee Shale 4466 (-1963)
Cherokee Sand 4520 (-2017)
Mississippian
(Warsaw) 4562 (-2059)
Mississippian
(Osage) 4608 (-2105)
Rotary Total Depth 4627 (-2124)

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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

By William A. Sladek
William A. Sladek

Subscribed and sworn to before me this 29th day of February, 1968.

Mary J. Brown
Mary J. Brown, Notary Public

My Commission Expires:
March 3, 1970

GEOLOGICAL REPORT

NO. 1 MISHLER
C NE SE Sec. 29-16S-23W
Ness County, Kansas

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FEB 29 1968
CONSERVATION DIVISION
Wichita, Kansas

GEOLOGICAL REPORT

Imperial Oil Company
Farm: Mishler No. 1'
Contractor: Imperial Oil Co., Rig #2
Rotary Total Depth: 4624 ft.

Ness County, Kansas
C NE SE Sec. 29-16S-23W
Elevation: 2503 K.B.
Rotary Completed: 2-20-68

Geological Data: Samples were examined from 3500 ft. to Rotary Total Depth.
One foot drilling time was kept from 3500 ft. to Rotary Total Depth.
Electric Log Information: A schlumberger Laterlog-Gamma Ray, Borehole
Compensated Sonic Log was run.

	<u>Formation Tops</u>	<u>Electric Log Tops</u>
Anhydrite	1850 (≠ 653)	1850 (≠ 653)
Base Anhydrite	1880 (≠ 623)	1883 (≠ 620)
Heebner	3903 (-1400)	3903 (-1400)
Toronto	3917 (-1414)	3929 (-1426)
Lansing	3944 (-1441)	3944 (-1441)
Base Kansas City	4241 (-1738)	4242 (-1739)
Marmaton	4277 (-1774)	4278 (-1775)
Pawnee	4350 (-1847)	4351 (-1848)
Fort Scott	4440 (-1937)	4442 (-1939)
Cherokee Shale	4466 (-1936)	4466 (-1963)
Cherokee Sand	4519 (-2016)	4520 (-2017)
Mississippian (Warsaw)	4564 (-2061)	4562 (-2059)
Mississippian (Osage)	4599 (-2096)	4608 (-2105)
Rotary Total Depth	4624 (-2121)	4627 (-2124)

Porosity and Show of Oil and/or Gas

No shows of oil and/or gas were encountered in this test. Zones of porosity were as follows:

LANSING

- 3952-57 (Top Lansing) Cream to buff, slightly chalky, oolitic and oolitic limestone. Fair to good porosity. No show or odor.
- 3962-66 (Top Lansing) White, chalky, oolitic and oolitic limestone. Good porosity. No show or odor.
- 3971-75 (Top Lansing) White, slightly oolitic limestone. Fair to good porosity. No show or odor.
- 4062-68 (100' Zone) Buff, finely crystalline, oolitic and oolitic limestone. Fair porosity. No show or odor.
- 4112-15 (140' Zone) Cream to gray, finely crystalline, fossiliferous limestone. A trace of fair fossiliferous porosity. No show or odor.

- 4160-64 (180' Zone) Gray, finely crystalline, chalky limestone. Poor to fair porosity. No show or odor.
- 4168-75 (180' Zone) Tan, finely crystalline, oolitic limestone. Good porosity. No show or odor.
- 4198-4204 (200' Zone) Buff, oolitic limestone. Fair to good porosity. No show or odor.

CHEROKEE SECTION

This test was diamond cored from 4477-4527 through the Cherokee section and the following is a description of the core:

- 4177-78 Black to dark gray shale with trace of tan fine to dense limestone.
- 4178-82 Gray, fine to dense, slightly fossiliferous limestone. Very poor porosity.
- 4182-86 Red and green, waxy, very rotten, mucky shale.
- 4186-90½ Gray, dense, slightly sandy shaley limestone. No visible porosity.
- 4190½-95 Dark gray to black shale.
- 4195-98½ Tan, dense, very hard limestone.
- 4198½-4502 Dark green, waxy, rotten shale.
- 4507-07½ Green, waxy, slightly limey shale.
- 4507½-12 Gray, dense, tite limestone.
- 4512-18½ Dark gray shale.
- 4518½-19½ Light green sandy shale. Sand was coarse, subrounded to angular. No show, odor or fluorescence.
- 4519½-27 White, coarse, subrounded to angular, glauconitic, friable, very porous, very slightly shaley sand. No show, odor or fluorescence.

Started drilling with regular rotary drill bit at 4527'.

- 4527-34 White, medium to coarse, subrounded to angular, glauconitic, friable sand. No show, odor or fluorescence.
- 4543-46 White, medium to coarse, subrounded to angular, glauconitic, tite sand. No show, odor or fluorescence.
- 3447-60 White to yellow, medium to coarse, subrounded shaley, glauconitic sand. No show, odor or fluorescence.

MISSISSIPPIAN (Warsaw)

- 4562-68 White, fresh, sharp, opaque chert with a trace of buff, finely crystalline to sucrosic slightly glauconitic dolomite. Poor to fair porosity. No show, odor or fluorescence.
- 4572-77 White, fresh, sharp, opaque and glassy, very slightly vugular chert with finely crystalline to sucrosic, slightly glauconitic dolomite. Poor to fair porosity. No show, odor or fluorescence.
- 4584-88 Same at 4572-79 with slight increase in white to yellow, fresh, vugular chert. Very scattered poor vugular porosity in chert and some scattered fair vugular porosity in the dolomite.
- 4599-4604 White to tan, fresh, sharp, opaque and glassy, slightly tripolitic chert. Poor porosity in tripolitic chert. No show, odor or fluorescence.
- 4606-18 White to tan, fresh, sharp, opaque, slightly tripolitic chert. Poor porosity. A trace of buff, finely crystalline to sucrosic slightly vugular, glauconitic dolomitic. Scattered fair slightly vugular porosity. No show, odor or fluorescence.

Conclusion: Sample examination together with electric log calculations indicated no zones capable of producing oil and/or gas; therefore, it was recommended this test be plugged and abandoned.

D & A

February 19, 1968

IMPERIAL OIL COMPANY

Charley V. Shank

Charley V. Shank
Geologist on Well

CVS:jl

DRILLING TIME LOG
 No. 1 Mishler
 C NE SE Sec. 29-16S-23W
 Ness County, Kansas

Depth	Minutes	Remarks
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1' Intervals

3500-3510	2-4-3-4-2/2-2-3-3-4	
20	4-4-4-4-4/4-4-3-3-3	
30	3-4-4-4-4/4-4-5-3-3	
40	3-3-2-4-4/2-4-3-3-4	
50	5-4-4-4-4/3-3-3-3-3	
60	3-2-3-3-5/4-4-4-3-4	
70	3-3-3-3-3/3-2-2-2-1	
80	2-1-2-3-3/4-4-4-3-3	
90	3-3-3-3-3/4-3-2-3-3	
3600	3-3-2-3-3/3-2-2-2-3	
3600-3610	3-2-3-2-2/3-3-2-2-2	
20	2-2-2-1-2/3-1-2-2-2	
30	2-3-3-3-3/3-3-2-3-4	
40	4-4-4-4-3/4-4-4-4-4	
50	4-4-3-4-5/4-4-5-3-5	
60	3-4-5-3-4/3- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	
70	1-1-1-3-1/2-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	
80	$\frac{1}{2}$ -1-2- $\frac{1}{2}$ - $\frac{1}{2}$ / $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	
90	$\frac{1}{2}$ -1-1-2-3/3-3-3-2-4	
3700	5-2-5-5-5/6-2-3-3-3	
3700-3710	3-4-4-5-6/6-5-6-5-5	
20	3-1-3-3-5/6-5-6-6-6	
30	5-5-3-3-3/2-2-2-2-2	
40	3-2-2-1-2/3-5-3-6-2	
50	3-3-2-3-4/3-3-3-4-4	
60	3-4-3-2-3/3-3-2-2-1	
70	2-2-2-4-5/2-6-6-8-6	
80	3-5-5-5-4/4-4-6-7-7	
90	7-6-7-8-6/7-5-4-2-3	
3800	4-6-7-6-7/10-7-7-7-6	

DRILLING TIME LOG: #1 Mishler

Depth	Minutes	Remarks
<u>1' Intervals</u>		
3800-3810	3-3-4-6-5/10-7-6-6-5	
20	8-9-10-6-5/3-3-4-7-3	Trip @ 3819'
30	3-3-4-4-4/6-4-3-3-5	
40	6-6-5-4-4/3-3-3-2-2	
50	2-2-3-3-2/3-3-5-5-4	
60	3-2-3-2-3/3-3-3-4-5	
70	4-4-2-2-2/4-2-2-2-4	
80	3-3-2-3-5/7-6-4-6-5	
90	6-5-7-7-5/6-6-6-6-6	
3900	7-7-6-4-5/5-4-4-5-3	
3900-3910	4-4-4-2-2/4-4-4-5-7	
20	3-4-4-3-3/3-4-4-4-4	
30	4-4-5-4-4/4-4-4-4-6	
40	7-6-6-6-7/8-8-7-8-4	
50	4-5-4-4-6/6-3-3-1-2	
60	4-6-4-7-8/7-7-6-5-6	
70	5-6-8-7-10/10-7-7-6-9	
80	10-7-9-8-10/6-6-4-6-6	Trip @ 3975'.
90	6-5-5-6-6/6-5-5-4-4	
4000	3-3-5-4-8/7-5-5-5-7	
4000-4010	7-5-6-5-5/8-6-5-5-9	
20	9-9-7-10-9/10-8-8-8-6	
30	10-10-9-5-7/7-5-6-8-7	
40	8-6-6-8-5/7-4-5-3-2	
50	4-5-3-3-4/4-4-7-7-6	
60	7-10-10-12-6/7-6-5-4-5	
70	9-5-1-1-1/4-5-7-8-11	
80	11-10-10-15-13/14-13-11-15-10	
90	13-15-14-13-12/8-13-9-8-8	
4100	11-51-13-15-15/13-6-5-6-8	Trip @ 4096
4100-4110	8-11-5-5-4/5-7-5-5-6	
20	4-5-7-7-8/10-9-8-10-9	
30	11-11-10-10-11/11-6-10-13-10	
40	5-7-6-6-5/5-6-7-4-7	
50	11-11-9-9-9/9-11-10-11-10	
60	12-14-13-12-7/7-7-7-1-1	
70	½-½-1-6-8/7-10-8-9-6	
80	3-3-8-9-11/11-21-10-12-12	
90	12-14-9-12-10/6-6-6-7-12	
4200	12-10-7-7-9/6-10-12-10-11	

Depth	Minutes	Remarks
1' Intervals		
4200-4210	11-11-10-11-12/14-8-10-9-9	
20	9-8-12-13-16/13-8-12-14-15	
30	13-8-10-8-8/8-8-9-8-13	
40	13-10-8-11-11/12-13-12-11-14	
50	16-7-7-7-8/6-6-7-7-5	
60	6-7-5-6-6/6-6-5-5-4	
70	5-4-5-5-7/8-6-5-7-6	
80	6-5-5-5-6/6-4-6-6-7	
90	8-8-8-8-8/8-6-8-8-7	
4300	7-6-5-5-5/7-3-9-7-7	
4300-4310	5-7-8-8-8/8-6-7-8-9	
20	9-8-9-7-9/9-8-8-10-8	
30	8-7-5-6-7/8-8-8-7-7	
40	9-7-8-8-7/9-8-8-9-9	
50	10-10-10-10-10/10-6-7-6-6	
60	9-13-12-9-10/8-9-8-8-8	
70	8-9-9-10-9/9-10-10-9-10	
80	10-10-11-11-9/12-10-10-11-10	
90	10-9-12-10-10/11-10-12-9-10	
4400	10-7-9-9-9/9-7-10-8-9	Trip at 4400'
4400-4410	8-6-7-7-8/7-8-6-8-7	
20	7-8-7-7-7/7-6-6-4-6	
30	7-5-6-7-7/6-5-6-6-6	
40	6-5-4-5-3/3-3-4-5-3	
50	4-5-7-8-8/8-6-6-6-6	
60	5-5-7-8-8/8-8-8-9-9	
70	11-7-11-8-8/8-6-7-7-7	
80	5-3-3-3-4/7-31-31-29-36	
90	37-25-25-25-33/36-28-29-28-26	
4500	24-20-28-31-29/37-32-30-26-25	Circ @ 4476'; Core #1 4477-4527'
4500-4510	28-24-17-20-28/29-33-37-34-28	
20	28-23-19-20-19/18-16-18-42-47	
30	53-51-58-50-58/59-68-3-4-3	
40	4-2-3-5-6/6-6-0-4-4	
50	4-4-5-6-4/6-6-5-5-5	
60	5-5-8-6-5/5-6-7-4-3	
70	3-4-5-4-5/6-10-10-9-9	
80	7-10-10-14-15/15-10-25-21-10	
90	7-8-8-8-6/7-8-9-9-10	
4600	10-11-7-12-11/17-16-13-12-11	End of Core #1 @ 4527'. 1' Kelly corr. at 4538' Circ. @ 4550' Circ at 4560' Circ. @ 4571; Trip @ 4578'

DRILLING TIME LOG: #1 Mishler

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
<u>1' Intervals</u>		
4600-4610	9-13-7-7-6/8-6-9-6-8	Circ. at 4604'
20	16-17-12-13-14/13-14-13-13-14	
24	13-15-12-16	Circ at 4624'

Rotary Total Depth: 4624 feet