

15-179-20103-00-00

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STATE CORPORATION COMMISSION
JUN 6 1968
CONSERVATION DIVISION
Wichita, Kansas

GEOLOGICAL REPORT

NO. 1 PRATT
C SW SW Sec. 9-9S-28W
Sheridan County, Kansas

GEOLOGICAL REPORT

Company: Imperial Oil Company	Sheridan County, Kansas
Farm: Pratt No. 1	C SW SW Sec. 9-9S-28W
Contractor: Imperial Oil Company, Rig #2	Elevation: 2772 K.B.
Pool: Wildcat	Rotary Total Depth: 4140 ft.
Rotary Completed: May 24, 1968	

Geological Data:

Samples were examined from 3500 feet to Rotary Total Depth. One foot drilling time was kept from 3100 feet to Rotary Total Depth. (Electric log information: No electric log run.)

Formation Tops

	<u>Sample Tops</u>
Anhydrite	2392 (/ 380)
Base Anhydrite	2428 (/ 344)
Elmont	3563 (- 791)
Howard	3604 (- 832)
Topeka	3655 (- 883)
Heebner	3864 (-1092)
Toronto	3890 (-1118)
Lansing	3901 (-1129)
Rotary Total Depth	4140 (-1368)

Porosity and Shows of Oil

There were no oil shows in the Elmont, Howard, Topeka or Toronto Formations.

Lansing

3944-49

(50' Zone) White to cream and light gray, finely crystalline, cherty limestone, chalky in part. Fair vugular porosity. Scattered show of gilsonite and dark free oil.

DST #1

3941-80'. Open 90". Weak blow. Recovered 150 feet muddy water. ICIP 1289#, IFP 47#, FFP 70#, FCIP 1232#/30".

4069-73

(160' Zone) Cream to tan and gray mottled limestone. Poor to fair porosity. Scattered show of free oil. Slight odor.

DST #2

3954-75'. Open 30". Weak blow, died in 7 minutes. Recovered 15 feet mud. ICIP 47#/30", IFP 23#, FFP 23#, FCIP 47#/15".


GEOLOGICAL REPORT: #1 Pratt

- 4080-85 Cream to buff slightly cherty fossiliferous limestone.
Fair vugular porosity. Scattered show of dark free oil.
Fair dark stain and show of gilsonite.
- 4110-14 (200' Zone) White and cream to buff fossiliferous limestone.
Finely crystalline to partly chalky. Poor to fair vugular
porosity. Scattered show of gilsonite and free oil.
- DST #3 4071-4140'. Open 45 minutes. Very weak blow for 25 minutes.
Recovered 35 ft. mud. ICIP 730#/30", IFP 23#, FFP 35#,
FCIP 141#/15".

Rotary Total Depth 4140 feet. . 5-24-68

D & A

IMPERIAL OIL COMPANY


William A. Sladek
Geologist on Well

WAS:jl

DRILLING TIME LOG
 NO. 1 PRATT
 C SW SW Sec. 9-9S-28W
 Sheridan County, Kansas

Depth	Minutes	Remarks
1' Intervals		
3100-3110	2-2-1-2-2/2-2-2-2-2	
20	2-1-1-2-1/2-2-1-1-1	
30	2-1-1-1-1/2-1-1-1-1	
40	1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ /1-2-2-1- $\frac{1}{2}$	
50	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ / $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	
60	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ / $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	
70	$\frac{1}{2}$ -1-1- $\frac{1}{2}$ - $\frac{1}{2}$ / $\frac{1}{2}$ -1-1-1-2	
80	1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ / $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	
90	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -2-2/2-2-4-4-4	
3200	3-2-1-2-2/2-2-2-2-2	
3200-3210	2-1-2-3-4/5-3-4-4-4	
20	4-3-5-4-4/2-2-3-3-2	
30	1-2-2-2-2/3-2-2-1-2	
40	2-1-2-2-1/2-2-2-2-1	
50	2-2-3-2-3/2-2-2-6-6	
60	4-4-6-6-8/7-6-7-6-8	
70	8-12-10-4-5/5-2-2-2-3	
80	5-3-7-5-6/7-3-3-2-2	
90	1-1-1-2-2/3-4-3-4-2	
3300	3-4-2-2-3/2-2-2-2-3	
3300-3310	3-4-3-3-4/4-3-4-4-3	
20	4-5-5-4-5/6-6-7-7-8	
30	8-9-9-5-10/11-9-7-9-8	
40	9-7-6-4-4/7-6-6-7-8	
50	9-8-7-9-5/7-6-7-7-8	
60	6-4-6-8-10/2-2-2-2-2	
70	3-2-3-2-2/2-2-2-2-2	
80	3-3-4-4-5/2-3-4-3-6	
90	6-8-8-6-5/6-6-3-3-3	
3400	3-4-5-4-5/5-4-3-3-3	

DRILLING TIME LOG: #1 PRATT

Depth	Minutes	Remarks
1' Intervals		
3400-3410	2-3-4-3-2/2-1-3-3-4	
20	2-1-4-5-5/3-3-0-3-3	1' corr. at 3418'
30	3-2-2-2-1-3-3-2-3-4	
40	4-4-5-4-3/3-3-2-4-4	
50	2-2-3-3-4/4-3-4-4-5	
60	3-5-4-4-5/3-5-4-4-6	
70	5-7-6-6-6/4-4-3-4-4	
80	3-6-5-4-4/5-4-4-6-5	
90	6-5-5-6-4/3-4-3-3-5	
3500	4-3-1-1-2/2-4-3-4-4	
3500-3510	3-3-3-2-2/1-2-2-2-3	
20	2-2-2-4-5/3-3-3-4-4	
30	4-3-4-5-7/5-4-3-3-4	
40	3-4-4-5-7/5-5-4-6-5	
50	3-5-3-3-4/6-6-7-7-7	
60	4-5-6-5-7/4-4-4-7-7	
70	6-8-6-5-7/5-5-7-4-6	
80	6-5-5-4-5/5-3-4-5-4	
90	6-5-5-5-4/5-3-4-5-8	
3600	5-5-6-5-5/5-4-4-3-4	
3600-3610	5-4-5-4-2/2-1-7-5-7	
20	6-7-9-8-9/8-7-6-5-7	
30	5-5-6-5-7/6-8-9-8-8	
40	7-7-9-7-6/5-3-3-4-5	
50	6-6-6-5-6/2-2-2-2-3	
60	3-2-3-1-2/2-3-3-2-3	
70	3-3-4-3-3/2-0-3-4-4	1' corr. at 3667'
80	4-3-3-2-3/2-4-5-4-5	
90	6-5-2-2-3/2-2-3-2-3	Stop at 3690'
3700	5-3-3-4-3/5-3-4-5-4	
3700-3710	4-3-3-4-3/5-4-4-3-3	
20	4-3-2-2-1/1-1-3-3-4	
30	2-2-3-3-3/3-2-3-2-4	
40	3-2-3-3-2/1-1-2-1-2	
50	4-3-3-3-4/3-4-4-4-3	Stop at 3750'
60	3-3-4-5-5/6-2-4-4-3	
70	2-2-2-2-2/2-2-2-1-2	
80	2-1-1-1-1/1-1-1-1-2	
90	3-2-3-3-3/5-4-4-4-5	
3800	4-4-4-3-3/3-4-4-4-3	

DRILLING TIME LOG: #1 PRATT

Depth	Minutes	Remarks
1' Intervals		
3800-3810	5-4-5-5-4/5-5-6-6-5	
20	4-4-5-5-6/6-6-6-5-5	
30	4-6-5-6-6/4-3-4-5-4	
40	4-5-8-7-5/6-4-4-4-7	
50	5-4-5-6-5/5-3-4-3-3	
60	4-3-4-5-4/4-2-3-4-3	Stop at 3860'
70	3-4-3-4-3/3-2-6-8-6	
80	4-5-6-6-7/6-6-5-5-7	
90	7-6-7-8-6/8-6-6-7-7	
3900	7-8-7-5-7/8-6-8-7-7	Stop-circ. at 3900'
3900-3910	6-7-7-7-7/6-7-6-8-6	
20	6-7-6-7-6/5-5-7-6-6	Stop at 3915'
30	6-8-7-8-7/4-5-6-6-6	
40	6-6-3-5-5/4-4-4-5-6	
50	10-5-5-6-3/6-8-7-7-8	
60	8-9-8-10-8/8-7-8-9-9	Stop at 3960'
70	8-10-6-9-5/4-5-9-10-7	
80	7-6-7-8-6/8-8-7-8-6	DST #1: 3941-80'
90	8-13-10-2-1/1-6-9-8-6	
4000	5-4-7-8-8/7-8-7-8-8	
4000-4010	5-6-7-7-6/6-5-7-5-0	1' corr. at 4010'
20	5-7-9-9-9/9-9-9-10-11	
30	12-12-8-4-7/9-8-8-10-5	
40	6-6-6-6-6/6-5-5-5-5	
50	5-6-5-12-12/11-12-11-11-12	Circ. at 4042'
60	11-11-11-13-11/10-7-12-12-11	
70	7-8-10-8-9/7-7-6-10-9	
80	8-7-6-8-8/8-7-7-7-7	Circ. at 4075; DST #2: 3954-4075'
90	5-4-5-6-7/7-7-7-9-9	
4100	7-9-8-7-7/6-6-6-7-6	Circ. at 4090'
4100-4110	6-6-4-0-5/5-5-5-5-7	1' corr. at 4104'
20	6-6-8-7-8/7-7-7-7-9	
30	8-8-8-8-8/8-8-8-7-8	
40	7-6-6-6-8/7-8-7-9-10	

Rotary Total Depth 4140'