

15-151-26089-00-00

GEOLOGICAL REPORT

NO. 2 HOENER
SE NW SE Sec. 27-26S-13W
Pratt County, Kansas

RECEIVED
STATE CORPORATION COMMISSION
OCT 17 1968
CONSERVATION DIVISION
Wichita, Kansas

GEOLOGICAL REPORT

Company: Imperial Oil Company
Farm: Hoener #2
Contractor: Imperial Oil Company, Rig #2
Pool: Iuka-Carmi

Pratt County, Kansas
SE NW SE Sec. 27-26S-13W
Elevation: 1951 K.B.
Rotary Total Depth: 4408 ft.

Rotary Completed: 10-8-68

Geological Data:

Samples were examined from 3400 feet to Rotary Total Depth. One foot drilling time was kept from 3400 feet to Rotary Total Depth. (Electric log information: No log run.)

Formation Tops

	<u>Sample Tops</u>
Anhydrite	809 (1142)
Heebner	3605 (-1654)
Toronto	3629 (-1678)
Douglas Sand	3677 (-1726)
Brown Lime	3771 (-1820)
Lansing	3797 (-1846)
Marmaton Chert	4149 (-2198)
Mississippi	4207 (-2256)
Viola	4288 (-2337)
Simpson Dolomite	4364 (-2413)
Total Depth	4408 (-2457)

Porosity and Shows of Oil

Lansing 3450-58

Tan to gray, dense, oolitic, cherty limestone. Scattered good vugular porosity. Scattered fair light and dark stain. Fair show of free oil. Much tarry residue.

3966-71

Tan, dense, fossiliferous limestone. Poor to fair vugular porosity. Scattered show of light and dark free oil and stain.

DST #1

3938-80' Open 90". Weak blow. Recovered 70' muddy water. ICIP 1318#, IFP 35#, FFP 58#, FCIP 1295#.

4034-38

Dark gray, dense, fossiliferous limestone. Poor vugular porosity. Scattered stain.

4072-82

Tan to gray, dense, fossiliferous limestone. Fair vugular porosity. Fair scattered light and dark stain and black residue.

GEOLOGICAL REPORT: #2 Hoener

DST #2 4023-86'. Open 60 minutes. Weak blow for 30 minutes.
Recovered 30' mud. ICIP 93#, IFP 35#, FFP 35#, FCIP 70#.

Mississippi
4207-34

White to bone, sharp to slightly tripolitic, opaque to translucent chert. Scattered brown to black stain. Fair gas indication recorded on Baroid Detector.

DST #3 4180-4230'. Open 60 minutes. Strong blow. Recovered 1830' gas, 30' mud. ICIP 129#, IFP 23#, FFP 23#, FCIP 105#.

Viola
4288-4310

White to bone, non-weathered opaque chert. Some very slightly tripolitic. Scattered light brown stain, slight show of free oil, light odor.

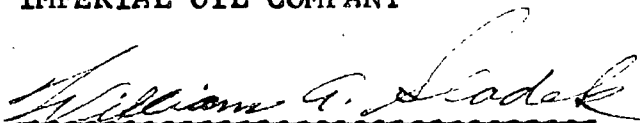
DST #4 4283-4310'. Open 90 minutes. Strong blow. Recovered 160' muddy water. ICIP 1135#, IFP 35#, FFP 117#, FCIP 1077#.

4310-38 Chert as described above, with decrease in stain. No free oil.

DST #5 4310-57'. Open 90 minutes. Strong blow. Recovered 150' muddy water. ICIP 1112#, IFP 46#, FFP 93#, FCIP 1006#.

Total Depth 4408 feet D & A No log run.

IMPERIAL OIL COMPANY


William A. Sladek
Geologist on Well

WAS:jl

DRILLING TIME LOG
 NO. 2 HOENER
 SE NW SE Sec. 27-26S-13W
 Pratt County, Kansas

Depth	Minutes	Remarks
<u>1' Intervals</u>		
3400-3410	4-4-4-5-4/4-3-3-4-3	
20	3-3-3-3-2/3-3-3-3-3	
30	3-3-3-3-5/6-6-6-6-6	
40	6-6-6-6-6/6-7-7-2-3	
50	4-3-3-2-2/2-3-3-4-4	
60	4-4-3-4-3/2-3-3-3-4	
70	4-4-5-4-4/3-3-3-2-2	
80	2-2-2-2-2/2-2-2-0-2	1' corr. at 3479'
90	2-2-1-2-2/2-1-2-1-1	
3500	2-2-2-2-2/2-2-2-2-2	
3500-3510	2-2-2-2-2/2-2-2-2-2	
20	2-2-2-2-2/3-3-2-3-2	
30	3-2-3-2-2/2-3-3-2-2	
40	2-2-2-3-2/2-2-3-2-3	
50	2-2-2-2-2/2-2-2-2-2	
60	2-1-2-2-2/2-1-3-2-3	
70	3-3-3-3-2/3-2-2-2-1	
80	1-1-1-1-1/1-1-2-1-2	
90	3-2-3-2-4/3-2-3-3-4	
3600	3-3-5-5-6/5-3-3-4-5	
3600-3610	5-5-5-5-4/2-2-3-2-2	
20	2-7-8-6-3/3-3-3-4-4	
30	5-3-5-4-5/5-5-5-5-4	
40	5-4-4-5-5/4-3-3-4-4	
50	3-4-3-3-2/3-2-3-3-2	
60	3-2-3-2-1/3-3-2-3-3	
70	3-2-4-4-3/3-2-2-3-2	
80	3-2-4-4-4/5-5-3-2-1	
90	2-1-1-2-2/1-1-2-1-1	
3700	2-1-1-2-1/1-2-1-1-1	
3700-3710	2-1-1-1-2/3-3-3-3-4	
20	2-3-3-3-3/2-3-3-2-3	
30	2-2-3-3-2/3-2-2-3-2	
40	2-3-3-3-3/3-3-3-2-4	
50	3-3-3-3-3/3-4-3-3-3	
60	3-3-3-3-3/3-3-3-3-3	
70	3-2-2-3-3/3-3-3-4-3	
80	3-6-5-5-4/4-4-4-5-4	
90	3-4-5-4-3/4-4-4-4-4	
3800	6-4-3-3-3/4-3-4-5-4	

DRILLING TIME LOG: #2 Hoener

Depth	Minutes	Remarks
1' Intervals		
3800-3810	5-5-4-5-5/3-5-5-6-6	
20	6-6-5-6-6/5-4-4-4-6	
30	6-5-5-4-0-4-3-4-4-4	1' corr. @ 3825'
40	5-4-4-5-5/5-5-5-5-6	
50	5-5-7-7-7/6-4-4-2-2	
60	2-3-4-4-2/3-2-2-4-4	
70	4-4-6-6-6/6-8-8-8-8	
80	7-9-7-7-8/7-8-8-10-10	
90	10-11-10-12-13/8-5-10-10-14	
3900	10-12-13-13-11/9-8-10-10-12	
3900-3910	11-9-8-7-8/7-7-6-6-5	
20	5-9-11-11-12/6-11-10-11-7	
30	11-7-8-8-7/7-7-9-14-12	
40	11-7-8-7-6/7-9-10-0-4	1' corr. @ 3939'
50	5-5-4-5-5/5-6-5-4-3	
60	3-2-5-6-6/7-7-7-6-8	
70	7-6-3-3-4/3-4-4-6-6	
80	6-7-7-6-7/5-4-4-4-4	DST #1-3938-80; Circ.
90	0-3-3-3-3/3-3-3-3-4	1' corr. @ 3981'
4000	5-4-5-4-5/4-2-3-2-2	
4000-4010	1-2-2-3-2/6-6-7-6-5	
20	7-5-5-8-6/5-3-4-4-4	
30	9-8-8-4-3/4-4-3-4-5	
40	3-4-3-7-3/6-7-7-9-7	
50	7-8-7-8-4/7-7-5-7-7	
60	8-7-9-8-8/8-6-7-9-9	
70	10-9-8-8-9/10-8-7-4-9	
80	10-10-9-9-8/10-6-5-7-7	
90	8-9-13-13-11/10-5-5-5-5	DST #2: 4023-86'
4100	5-3-5-6-5/4-4-5-4-5	
4100-4110	4-5-5-5-4/5-4-4-4-4	
20	5-5-5-5-5/6-5-6-5-5	
30	5-5-5-5-4/5-4-3-4-5	
40	5-3-5-5-4/5-5-5-4-6	
50	6-5-5-6-6/7-6-6-5-9	
60	8-6-7-7-7/9-7-7-9-9	
70	7-8-7-8-7/7-5-5-3-4	
80	4-8-6-8-10/14-18-10-12-13	
90	8-7-6-6-7/7-6-10-9-10	
4200	10-9-8-8-9/9-8-8-9-6	

DRILLING TIME LOG: #2 Hoener

Depth	Minutes	Remarks
<u>1' Intervals</u>		
4200-4210	5-5-6-4-6/6-5-4-4-3	
20	4-4-4-3-4/4-3-4-4-4	
30	5-5-4-4-4/5-4-4-4-4	DST #4: 4180-4230; Circ.
40	4-5-5-5-6/6-7-8-8-6	
50	4-3-4-3-3/4-4-4-4-4	
60	5-5-5-5-6/7-15-17-18-18	
70	20-20-0-12-18/20-18-19-18-20	Stop @ 4270'
80	10-13-9-9-9/8-7-9-7-8	
90	11-9-10-6-7/8-14-8-5-4	Stop @ 4290'
4300	4-4-4-4-3/5-6-3-4-5	
4300-4310	3-4-3-3-4/5-3-3-5-5	DST #4: 4283-4310'; Circ.
20	3-2-3-3-2/3-3-2-4-2	
30	3-3-3-3-3/2-3-3-3-3	
40	3-5-3-5-4/4-4-6-8-11	
50	14-13-12-12-11/14-11-9-10-10	
60	8-9-8-9-9/15-8-5-8-11	DST #5: 4310-57'; Circ.
70	10-8-9-8-5/5-3-2-3-6	
80	6-6-2-3-3/3-3-5-6-7	
90	8-6-6-6-6/6-0-6-7-6	1' corr. @ 4387'
4400	7-5-7-6-6/7-8-6-7-8	Stop @ 4400'
4400-4408	6-7-6-6-6/5-6-7	

Rotary Total Depth-4408 ft.