

GEOLOGICAL REPORT

Company: Imperial Oil Company

Farm: #1 Fink

Contractor: Imperial Oil Company, Rig #2

Pool: Wildcat

Graham County, Kansas

C SE NE Sec. 21-8S-22W

Elevation: 2122 K.B.

Rotary Total Depth: 3600'

Rotary Completed: 9-24-69

Geological Data:

Samples were examined from 3200 ft. to Rotary Total Depth. One foot drilling time was kept from 3200 ft. to Rotary Total Depth. (Electric log information: No electric log was run.)

Formation Tops

Anhydrite	1728 (/ 394)
Heebner	3343 (-1221)
Toronto	3368 (-1246)
Lansing	3380 (-1258)
Base Kansas City	3591 (-1469)
Rotary Total Depth	3600 (-1478)

Porosity and Shows of OilToronto

3369-71

Limestone, white, fine crystalline, slightly fossiliferous; scattered poor to fair pin-point porosity. No show or odor.

Lansing

3405-10

(35' Zn.) Limestone, tan to gray, fine to dense, slightly cherty, fair spotty stain with no free oil or odor. Trace of poor to fair porosity.

3433-36

(50' Zn.) Limestone, white, chalky and slightly cherty, dense, no show, poor porosity.

DST #1

3395-3445'. Open 60 minutes. Strong blow. Recovered 920 ft. muddy salt water. ICIP 1226/30", IFP 58#, FFP 469#, FCIP 1215#/30'

3454-55

(70' Zn.) Limestone, tan to gray, slightly oolitic and chalky, fine to dense, poor porosity; no show.

3511-13

(140' Zn.) Limestone, white to buff, finely crystalline, trace of light scattered spotty stain with trace of free dead oil. No odor, poor vugular porosity.

DST #2

3498-3520'. Open 60 minutes. Weak blow for 10 minutes. Recovered 10 ft. mud with no show. ICIP 35#/30", IFP-FFP 23#, FCIP 23#/30".

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- 3547-51 (180' 7n.) Limestone, buff, fine to dense, good oeven stain in part to light scattered spotty stain in part. Trace of free oil with good odor. Poor vugular porosity.
- DS¹ #3 3540-65'. Open 60 minutes. Very weka blow for 5 minutes. Recovered 10 ft. mud. ICIP 35#/30", IFP-FFP 23#, FCIP 23#/30".
- 3573-75 (200' Zn.) Limestone, buff, fine to dense, show of dead oil. Poor vugular porosity. Not worthy of a test.
- 3583-86 (220' Zn.) Limestone, white, fine to dense, trace of heavy dead oil. No odor. Poor porosity. Not worthy of a test.

Rotary Total Depth 3600 ft.

September 25, 1969

D&A

IMPERIAL OIL COMPANY


Charley V. Shank
Geologist on Well

CVS:jd

DRILLING TIME LOG
 #1 Fink
 C SE NE Sec. 21-8S-22W
 Graham County, Kansas

15-065-20262-00-00

Depth	Minutes	Remarks
<u>1' Intervals</u>		
3200-3210	4-3-5-6-6/6-5-5-2-2	
20	2-3-2-2-2/2-2-2-3-4	
30	5-7-7-6-6/6-7-7-6-7	
40	6-6-3-5-5/5-3-2-4-3	
50	3-3-3-2-2/2-2-3-3-4	
60	3-4-4-5-3/2-2-2-2-3	
70	3-3-5-2-3/3-4-3-3-4	
80	4-8-8-8-7/6-6-6-7-5	
90	6-4-5-7-7/8-8-8-8-5	
3300	4-9-5-4-5/4-3-2-1-3	
3300-3310	2-2-3-2-2/3-4-4-6-6	
20	6-7-5-3-3/3-5-6-6-4	
30	6-6-3-5-8/5-5-4-5-5	
40	4-3-3-3-3/4-5-5-5-5	
50	6-4-4-3-2/3-4-3-3-4	
60	9-9-7-6-5/5-5-6-5-6	
70	5-6-6-6-7/6-6-5-10-7	
80	8-9-9-10-11/12-9-6-8-9	
90	10-9-9-11-11/10-11-12-11-12	Circ. @ 3390'
3400	4-5-6-6-7/7-6-7-6-7	
3400-3410	8-7-8-8-6/7-5-5-4-4	
20	5-3-4-4-5/4-4-5-6-8	Circ. @ 3420'
30	7-10-11-8-8/6-6-6-7-6	
40	6-8-10-6-6/7-10-12-11-9	
50	15-10-6-8-14/7-8-5-6-7	DST #1: 3395-3445'; Circ.
60	6-6-9-7-4/6-8-7-6-6	
70	6-4-2-3-3/2-7-7-7-7	Rough @ 3465'; Circ. @ 3470'
80	6-9-8-8-7/8-9-8-9-9	
90	9-12-12-11-11/11-11-11-10-11	
3500	11-10-12-11-12/12-11-11-6-8	
3500-3510	11-11-6-7-7/7-7-8-6-7	
20	7-5-8-12-12/11-12-12-12-11	DST #2: 3498-3520'; Circ.
30	4-5-5-5-5/4-7-6-5-6	
40	6-4-4-3-5/3-4-4-4-6	
50	5-4-3-3-3/4-4-5-5-5	Circ. @ 3545'; Rough @ 3547'
60	6-6-6-6-6/5-5-5-5-5	
70	5-5-5-5-4/5-4-3-5-6	DST #3: 3540-65'; Circ.
80	5-6-6-4-6/6-5-6-6-7	
90	5-5-7-5-5/5-6-6-6-7	
3600	7-5-4-5-5/5-5-4-4-4	Rough @ 3585' Circ. @ 3600'. RTD: 3600'

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STATE CORPORATION COMMISSION
OCT 2 1969
CONSERVATION DIVISION
Wichita, Kansas

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