

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

Harper County, Sec. 35 Twp. 31S Rge. (E) 7 (W)

Location as "NE/CNWxSWx" or footage from lines. C SW NW

Lease Owner Imperial Oil Company

Lease Name Palmer 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 July 1 19 66

Application for plugging filed July 1 19 66

Application for plugging approved July 1 19 66

Plugging commenced July 1 19 66

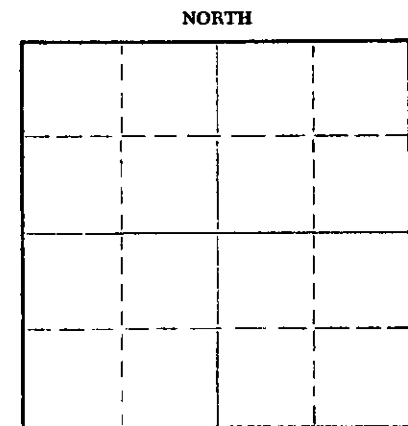
Plugging completed July 1 19 66

Reason for abandonment of well or producing formation No commercial

quantities of oil found.

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 Archie V. Elving, Pratt, Kansas

Producing formation Depth to top Bottom Total Depth of Well 4900 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 In.	@	243 ft.		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 4900 feet to feet for each plug set.

Set first plug at 230 ft. with 25 sacks of cement.  
Set second plug at 40 ft. with 10 sacks of cement.

RECEIVED  
STATE CORPORATION COMMISSION

JUL 13 1966

CONSERVATION DIVISION  
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Imperial Oil Company  
Address 780 Fourth National Bldg., 110 No. Market, Wichita, Kansas 67202

STATE OF KANSAS, COUNTY OF SEDGWICK, ss.  
William A. Sladek (employee of owner) or (owner 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 8th day of July 19 66

My commission expires July 5, 1970

Bette J. Silcott  
Bette J. Silcott Notary Public.

RECEIVED  
STATE GEOLOGICAL COMMISSION

JUL 13 1966

GEOLOGICAL DIVISION  
Wichita, Kansas

GEOLOGICAL REPORT

PALMER NO. 1

C SW NW Sec. 35-31S-7W

Harper County, Kansas

## GEOLOGICAL REPORT

Company: Imperial Oil Company  
Farm: Palmer No. 1  
Contractor: Imperial Oil Company, Rig #2  
Pool: Wildcat

Harper County, Kansas  
C SW NW Sec. 35-31S-7W  
Elevation: 1461 K. B.  
Rotary Total Depth: 4900'

Rotary Completed: July 1, 1966

### Geological Data:

Samples were examined from 2900 ft. to Rotary Total Depth. One foot drilling time was kept from 2800 ft. to Rotary Total Depth. (Electric log information: No electric log was run.)

### Formation Tops

#### Sample Tops

Heebner	3252 (-1791)
Stalnaker	3573 (-2112)
Kansas City	3814 (-2353)
Cherokee Shale	4220 (-2759)
Mississippi	4385 (-2924)
Simpson Sand	4771 (-3310)
Basal Simpson Sand	4866 (-3405)
Arbuckle	4891 (-3430)
Rotary Total Depth	4900 (-3439)

### POROSITY AND SHOWS OF OIL

Elgin            There was no Elgin Sand development in the No. 1 Palmer.

#### Stalnaker, Kansas City and Cherokee

A Baroid gas detector was in operation during the drilling of these formations, but presence of natural gas was not evident. There were no shows of oil in the drill cuttings.

#### Mississippi

4385-98            White tripolitic chert. Generally poor porosity. Scattered stain and show of free oil. Slight odor.

DST #1            4387-4400', open 1 hr. Strong blow. Gas to surface in 30 minutes. Recovered 200 feet heavily oil and gas cut mud, 60 feet slightly oil cut water. ICIP 1589#, IFP 52#, FFP 111#, FCIP 1385#/30 minutes.

Geological Report: Palmer No. 1

4398-4420 Chert as described above, with an increase in tan, light gray and white sharp chert. Trace of stain.

DST #2 4400-20', open 1 hour. Fair blow. Recovered 550 feet of salt water. ICIP 1689#, IFP 37#, FFP 335#, FCIP 1635#/30 minutes.

Simpson and Arbuckle

There were no shows of oil in the Simpson or Arbuckle formations, however, due to the possibility of a stratigraphic trap creating a reservoir in the Basal Simpson Sand, it was decided to drill stem test this zone.

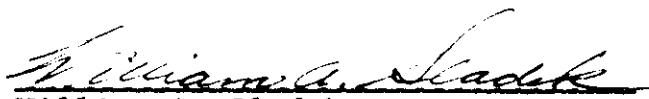
Basal Simpson Sand

Fine to medium grained quartz sand, with green shale inclusions and a small amount of pyrite. No oil show.

DST #3 4868-77' (Straddle) Weak blow for 5 minutes. Open 1 hour. Recovered 5 feet mud. All pressures 14#.

D & A July 1, 1966

IMPERIAL OIL COMPANY

  
William A. Sladek  
Geologist on Well

DRILLING TIME LOG

Palmer No. 1  
C SW NW Sec. 35-31S-7W  
Harper County, Kansas

Depth	Minutes	Remarks
<b>1' Intervals:</b>		
2800 - 2810	2-2-2-2-2/2-3-2-2-3	
20	2-2-3-2-2/2-2-3-2-2	
30	3-3-2-3-2/4-2-3-3-3	
40	3-3-3-2-3/3-3-2-3-3	
50	3-3-2-2-2/3-2-2-2-3	
60	2-3-2-2-3/2-3-3-2-2	
70	3-3-2-3-2/3-2-2-2-2	
80	3-2-2-2-2/2-2-1-2-3	
90	5-7-6-5-4/5-4-4-5-5	
2900	5-4-5-5-4/4-4-4-5-5	
2900 - 2910	3-3-5-5-5/5-6-3-4-3	
20	4-5-4-6-2/2-1-1-1-1	
30	1-3-3-3-4/5-2-1-1-1	
40	1-1-1-1-1/1-1-1-1-1	
50	1-1-1-1-1/1-2-2-2-2	
60	1-1-1-1-1/2-1-1-2-1	
70	2-4-4-6-8/7-6-4-3-2	
80	2-2-3-2-2/3-3-3-3-2	
90	3-3-3-3-4/3-4-6-4-6	
3000	4-6-5-4-5/6-5-5-5-5	Circ. @ 3000'
3000 - 3010	8-8-8-3-4/4-3-4-4-4	Trip @ 3003'
20	4-4-4-4-4/4-5-4-5-3	
30	5-5-5-4-4/5-4-4-5-4	
40	4-3-4-4-4/3-4-3-3-3	
50	3-3-2-3-3/3-2-3-2-2	
60	2-1-2-2-2/2-1-1-1-3	
70	3-2-2-2-2/2-2-3-3-4	
80	3-4-3-4-3/3-3-3-2-3	
90	3-3-2-3-3/2-2-3-2-3	
3100	3-3-2-2-3/3-3-3-3-3	

Drilling Time Log: Palmer No. 1

Depth	Minutes	Remarks
3100 - 3110	3-3-3-2-3/3-4-3-3-3	
20	3-4-3-4-3/3-4-3-3-3	
30	3-3-3-3-3/3-3-4-3-4	
40	3-3-3-4-3/3-3-4-3-4	
50	4-3-3-3-4/3-4-4-3-3	
60	3-4-3-3-3/3-4-3-3-4	
70	4-3-3-4-4/4-3-4-4-4	
80	3-4-3-4-3/4-4-4-3-4	
90	4-3-4-3-3/4-3-3-3-4	
3200	4-3-4-3-4/4-5-5-6-6	
3200 - 3210	6-6-4-8-7/5-5-4-4-5	
20	7-5-3-4-3/3-3-3-4-4	
30	4-5-5-6-6/7-5-5-6-5	
40	5-5-4-5-4/4-4-4-3-4	
50	8-9-7-5-5/6-5-10-9-6	
60	10-5-5-5-4/4-3-3-10-9	
70	6-6-6-5-6/7-7-5-5-5	
80	4-4-5-4-2/3-3-5-6-3	
90	3-3-4-3-3/4-3-4-3-2	
3300	3-3-4-5-6/7-6-5-4-3	
3300 - 3310	4-5-5-5-5/5-4-5-5-4	
20	2-5-5-5-5/5-4-5-5-5	
30	5-4-2-2-3/3-2-3-3-3	
40	3-3-3-3-3/4-2-3-3-3	
50	2-4-2-2-2/1-2-2-2-2	Trip @ 3342'
60	3-3-2-3-3/3-3-3-2-3	
70	3-3-3-2-3/3-3-4-3-3	
80	3-3- -2-2/2-3-2-2-2	1' corr. @ 3373'
90	3-2-3-2-2/2-3-3-2-2	
3400	2-3-2-3-2/2-3-2-3-3	

Drilling Time Log: Palmer No. 1

Depth	Minutes	Remarks
3400 - 3410	2-2-3-3-1/3-3-2-2-3	
20	3-3-3-3-3/3-3-3-3-3	
30	3-3-3-3-4/3-3-4-3-3	
40	3-4-3-3-2/3-3-4-3-3	
50	4-4-3-4-3/4-4-4-3-4	
60	4-3-3-4-3/4-4-3-4-3	
70	3-4-3-4-4/3-4-3-4-3	
80	4-3-4-4-4/3-4-4-4-4	
90	4-4-4-4-4/3-4-4-3-4	
3500	4-4-4-3-3/4-4-4-3-2	
3500 - 3510	3-3-3-3-3/3-4-3-3-3	
20	3-2-3-3-3/3-3-3-3-4	
30	4-6-5-3-3/4-3-4-4-4	
40	3-4-3-4-4/3-3-4-3-4	
50	3-4-3-4-4/3-3-3-3-4	
60	4-3-3-4-4/3-5-4-4-4	
70	3-2-2-3-3/4-4-3-4-4	
80	3-4-3-2-2/2-1-2-2-2	
90	2-3-3-2-2/2-2-2-2-2	
3600	1-1-2-1-1/1-1-2-2-3	
3600 - 3610	2-2-3-2-2/2-2-2-2-1	
20	1-1-1-1-1/2-2-2-3-2	
30	2-2-2-2-2/2-2-3-2-3	
40	2-2-1-2-2/2-1-2-2-2	
50	3-2-4-2-3/3-4-2-2-2	
60	4-5-8-5-3/2-2-2-3-5	
70	2-3-2-2-3/2-4-3-3-4	
80	5-7-8-6-5/8-7-5-7-7	
90	6-7-8-5-6/7-4-5-6-6	
3700	4-4-7-5-5/5-5-5-5-5	Trip @ 3690'

Drilling Time Log: Palmer No. 1

Depth	Minutes	Remarks
3700 - 3710	5-5-5-5-5/5-5-5-5-5	
20	5-5-4-4-5/3-5-4-3-3	
30	3-4-3-3-4/3-4-2-3-4	
40	4-3-4-3-3/3-3-3-4-4	
50	7-6-6-5-5/4-5-5-5-3	
60	4-5-6-5-4/4-5-4-5-5	
70	6-6-5-6-4/6-6-4-4-4	
80	4-4-4-3-4/4-4-4-3-4	
90	3-3-4-4-2/3-4-3-3-3	
3800	3-4-3-4-3/3-2-2-2-2	
3800 - 3810	2-3-3-5-5/3-4-4-4-4	
20	3-3-3-3-5/8-9-8-6-8	
30	9-10-7-4-4/3-5-5-5-3	
40	3-4-2-4-4/3-3-3-3-3	
50	6-6-2-5-5/4-4-3-3-3	
60	2-2-3-3-3/2-4-3-4-5	
70	5-5-6-8-7/6-6-7-10-13	
80	12-11-14-14-12/8-9-10-10-11	
90	6-5-3-4-5/6-10-12-11-9	
3900	12-13-12-10-13/8-13-12-13-14	
3900 - 3910	13-13-13-15-12/11-9-9-9-9	
20	12-4-7-10-9/10-9-12-7-6	Trip @ 3911'
30	8-9-8-8-8/8-10-11-11-9	
40	9-9-9-9-10/9-9-9-6-8	
50	9-10-8-10-14/11-2-8-10-9	
60	9-9-7-5-7/4-3-3-3-2	
70	3-3-3-4-3/3-4-4-5-4	Circ. @ 3965'
80	5-5-6-6-6/7-7-5-10-13	
90	11-11-12-10-3/10-12-7-8-10	
4000	14-5-5-7-12/10-12-14-12-13	



Drilling Time Log: Palmer No. 1

Depth	Minutes	Remarks
4000 - 4010	12-10-14-12-13/14-15-12-10-9	
20	10-11-9-9-9/11-11-10-12-11	
30	12-11-11-6-5/9-11-10-12-10	
40	12-9-5-10-8/8-8-9-10-8	
50	7-10-8-7-7/5-7-6-3-3	Trip @ 4048'
60	3-3-3-2-3/3-3-3-4-2	
70	5-4-4-3-2/4-4-3-3-3	
80	2-4-4-5-4/4-5-4-5-3	
90	4-4-5-4-3/3-3-3-3-3	
4100	3-3-4-5-5/2-3-3-4-3	
4100 - 4110	4-4-3-4-5/5-6-4-5-5	
20	3-3-3-5-5/4-5-4-3-5	
30	7-6-5-6-5/6-6-6-5-6	
40	7-6-6-5-5/6-5-5-5-4	
50	6-6-6-5-6/6-6-4-6-5	
60	6-5-6-6-5/7-7-7-6-4	
70	6-4-2-4-7/8-7-7-6-7	
80	8-7-7-7-7/8-7-8-7-7	
90	8-6-8-8-7/8-9-8-6-8	
4200	6-7-6-8-7/7-8-8-8-7	
4200 - 4210	11-6-9-11-8/8-7-6-3-3	
20	6-6-7-13-13/12-12-11-11-11	
30	4-3-2-2-3/3-5-5-5-4	
40	3-4-4-4-6/8-6-4-4-4	
50	4-4-4-9-6/6-6-7-5-5	
60	4-4-6-5-5/5-5-6-8-7	
70	5-7-4-4-6/6-8-6-5-7	Trip @ 4270'
80	3-5-3-3-3/4-5-4-3-4	
90	4-4-4-4-2/4-4-4-3-3	
4300	3-4-4-4-5/5-3-4-5-6	

Drilling Time Log: Palmer No. 1

Depth	Minutes	Remarks
4300 - 4310	5-5-4-4-5/4-4-4-5-4	
20	5-4-3-4-4/1-3-2-3-2	
30	2-2-2-2-3/3-3-3-3-2	
40	3-2-3-4-4/3-4-4-3-3	
50	4-4-4-4-3/3-4-4-3-4	
60	4-4-3-4-5/5-6-5-4-4	
70	5-4-4-5-5/4-4-3-4-3	
80	4-5-3-2-3/4-4-3-2-2	
90	3-4-4-5-5/3-3-3-3-4	
4400	4-3-2-2-2/2-2-2-1-1	
4400 - 4410	1-1-1-1-1/½-½-½-½-1	Circ @ 4400'
20	1-1-1-1-1/1-2-2-2-2	Circ. @ 4420'
30	3-3-7-4-3/4-4-3-4-4	
40	2-2-4-6-5/5-5-5-5-3	
50	4-5-4-5-4/5-3-4-4-5	
60	6-3-3-5-4/5-3-4-3-3	
70	4-4-3-4-3/4-3-5-3-4	
80	4-3-3-4-4/5-4-7-5-4	
90	4-5-6-4-4/5-5-4-5-7	
4500	6-4-4-7-4/4-2-2-4-4	
4500 - 4510	4-6-7-5-2/2-3-1-2-3	
20	2-3-2-2-1/2-2-1-4-4	
30	6-6-7-5-5/5-7-5-5-5	
40	6-6-5-6-6/9-7-7-6-7	
50	9-9-10-9-9/9-10-10-9-9	
60	8-12-11-10-10/12-8-10-7-8	
70	11-11-11-9-5/5-6-6-5-5	
80	5-4-8-9-7/9-10-8-9-10	
90	10-5-8-7-6/5-4-5-8-12	
4600	8-7-12-7-8/4-3-5-7-4	Trip @ 4695'

Drilling Time Log: Palmer No. 1

Depth	Minutes	Remarks
4600 - 4610	4-7-7-5-6/7-5-7-7-4	
20	10-11-11-8-7/11-8-5-7-8	
30	9-10-12-12-12/9-9-9-7-7	
40	8-7-8-10-8/8-10-11-17-16	Trip @ 4640'
50	10-8-11-10-10/8-8-9-7-8	
60	8-7-8-7-7/8-8-8-6-7	
70	6-6-7-7-7/7-5-7-6-7	
80	6-6-6-7-6/6-6-7-7-6	
90	6-7-6-5-6/6-9-9-5-6	
4700	5-7-8-8-9/9-9-8-9-8	
4700 - 4710	8-9-8-5-6/7-6-7-7-6	
20	6-5-8-6-6/6-6-7-6-7	
30	7-5-8-7-6/7-7-7-6-6	
40	7-7-6-7-8/9-8-8-6-6	
50	8-11-12-11-12/14-14-15-14-14	Circ. @ 4750'
60	10-14-13-13-14/13-13-15-12-13	Circ. @ 4760'
70	11-13-12-13-14/13-12-14-10-9	Circ. @ 4770'
80	12-25-25-29-20/21-23-32-30-31	Trip @ 4772'; Circ. @ 2780'
90	24-14-28-47-51/70-60-39-10-11	Trip @ 4783'
4800	38-27-22-9-6/6-6-7-6-3	
4800 - 4810	5-4-4-5-4/3-4-4-3-3	
20	4-6-4-4-5/3-4-5-6-4	
30	31-32-35-12-12/7-5-8-17-10	
40	25-30-30-32-30/25-24-21-21-26	
50	28-27-26-25-27/27-9-14-14-10	Trip @ 4846'
60	9-10-12-10-5/5-5-7-5-6	
70	6-5-5-5-6/7-13-24-11-11	Trip @ 4869'
80	13-13-13-10-10/10-9-12-7-8	
90	8-10-13-14-13/12-12-15-13-15	
4900	16-7-6-6-9/9-12-9-11-8	Circ. @ 4900'

Rotary Total Depth 4900 feet.