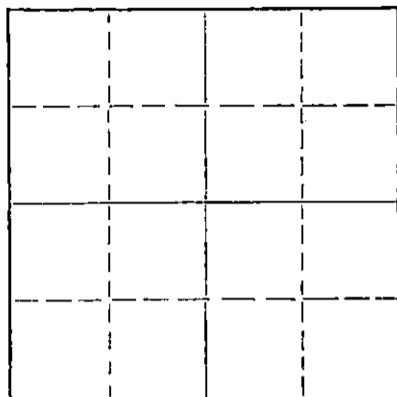


1509500035000

WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
212 North Market, Insurance Bldg.  
Wichita, Kansas

NORTH



Locate well correctly on above Section Plat

Kingman County, Sec. 15 Twp. 28S Rge. 7 (W)  
Location as "NE/CNW&SW" or footage from lines C NE SE  
Lease Owner Imperial Oil Company  
Lease Name Sparks Well No. 1  
Office Address 780 Fourth Nat'l Bldg., Wichita, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole  
Date well completed 10-18-61 19  
Application for plugging filed 10-18-61 19  
Application for plugging approved 10-18-61 19  
Plugging commenced 10-18-61 19  
Plugging completed 10-18-61 19  
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

Name of Conservation Agent who supervised plugging of this well Mr. Fred Hampel, Pretty Prairie, Kansas  
Producing formation -- Depth to top -- Bottom -- Total Depth of Well 4450 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 Pipe				8-5/8"	214'	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 \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Set first plug at 205 with 20 sacks cement,  
set top plug at 35' with 10 sacks cement.

NOV 24 1961  
10-24-61  
CONSERVATION DIVISION  
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Imperial Oil of Kansas, Inc.  
Address 780 Fourth National Building, Wichita, Kansas

STATE OF KANSAS, COUNTY OF SEDGWICK, ss.  
W. A. Sladek (employee of owner) ~~or owner~~ 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.

(Signature) William A. Sladek  
780 Fourth National Building, Wichita, Ks  
(Address)

SUBSCRIBED AND SWORN TO before me this 24th day of October, 19 61

Bette J. Behymer  
Bette J. Behymer Notary Public.

My commission expires July 27, 1964



1509500035-0000

DRILLER'S LOG

STATE CORP. COMMISSION  
OCT 1961  
CONSERVATION DIVISION  
Wichita, Kansas

Imperial Oil Company  
780 Fourth National Building  
Wichita 2, Kansas

No. 1 Sparks  
C NE SE Sec. 15-28S-7W

Total Depth: 4450'

Elevation: 1592 KB  
Production: Dry

Commenced: 10-4-61 Completed: 10-17-61

Contractor: Imperial Oil of Kansas, Inc.  
Wichita 2, Kansas

Casing Record: Set 8-5/8" surface pipe at 212 feet with 225 sacks cement.

Figures indicate bottom of formations:

TOPS

Shale & Red Bed	212'	Heebner	3034 (-1442)
Shale & Shells	1363'	Toronto	3049 (-1457)
Shale & Lime	3311'	Douglas	3073 (-1481)
Lime	3983'	Lansing	3290 (-1698)
Lime & Shale	4032'	B/Kansas City	3745 (-2153)
Lime	4092'	Cherokee	3904 (-2312)
Lime & Chert	4327'	Mississippi Chert	4022 (-2430)
Lime & Shale	4418'	Mississippi Lime	4138 (-2546)
Line, Sand, & Shale	4450'	Base Mississippi	4286 (-2694)
Rotary Total Depth	4450'	Kinderhook Shale	4286 (-2694)
		Viola	4420 (-2828)
		Simpson	4434 (-2842)
		Rotary Total Depth	4450 (-2858)

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 Raymond L. Bacon  
Raymond L. Bacon

Subscribed and sworn to before me this 23rd day of October, 1961.

My Commission Expires:

July 27, 1964

Bette J. Behymer  
Bette J. Behymer, Notary Public

15-095-000350000

GEOLOGICAL REPORT

#1 Sparks

C NE SE Sec. 15-28S-7W  
Kingman County, Kansas

By

Burton W. Schmidt  
Geologist on Well

RECEIVED  
SOUTH DAKOTA CORPORATION  
OCT 24  
CONSERVATION DIVISION  
Wichita, Kansas

GEOLOGICAL REPORT

15-095-00035-0000

Company: Imperial Oil of Kansas, Inc.  
Contractor: Imperial Oil Company Rig #2  
Name of Well: #1 Sparks  
Pool: Wildcat

Kingman County, Kansas  
C NE SE Sec. 15-28-7W  
Elevation: 1592 K.B.  
Rotary Total Depth: 4450'

Rotary Completed: 10-17-61

Samples were examined from 2700' to Rotary Total Depth.

FORMATION TOPS

Heebner	3034	(-1442)
Toronto	3049	(-1457)
Douglas	3073	(-1481)
Lansing	3290	(-1698)
Base Kansas City	3745	(-2153)
Cherokee	3904	(-2312)
Mississippi Chat	4022	(-2430)
Mississippi Lime	4138	(-2546)
Base Mississippi	4286	(-2694)
Kinderhook Shale	4286	(-2694)
Viola	4420	(-2828)
Simpson	4434	(-2842)
Rotary Total Depth	4450	(-2858)

Porosity and Shows of Oil

Toronto 3049 (-1457)  
3049-73 Cream to white fine crystalline slightly cherty limestone. No show. Fair porosity.

Douglas 3073 (-1481)  
3119-52 Slightly shaly fine to medium grained quartz sand. No show. Fair porosity.

Lansing 3290 (-1698)  
3324-68 White chalky limestone. No oil show. Poor visible porosity.  
3448-68 Cream semi-chalky fossiliferous limestone. No oil show. Some fair fossiliferous porosity.  
3567-86 White chalky limestone. No oil show. Poor visible porosity.  
3664-74 Cream to white oolitic and oocastic limestone. Trace stain. Good barren oocastic porosity. Judged no value.  
3704-18 Cream to tan oolitic and oocastic limestone. Scattered stain with trace free oil. Fair oocastic porosity.

DST #1 3703-24 Open two hours. Recovered 320' salt water. ICIP 1540#, FBHP 1475#.

Base Kansas City 3745 (-2153)

Cherokee 3904 (-2312)

**RECEIVED**  
STATE CORPORATION COMMISSION  
OCT 24 1961  
CONSERVATION DIVISION  
Wichita, Kansas

Mississippi Chat 4022 (-2430)  
4022-32 White semi-tripolitic chert. Slight odor with show free oil and black asphaltic oil. Fair porosity.

DST #2 4024-32 Open two hours. Recovered 350' Muddy salt water. ICIP 1500#, FBHP 1310#.

Mississippi Lime 4138 (-2546)  
4138-4286 Cream fine crystalline, very cherty dense limestone. No oil show. Very poor porosity.

Kinderhook Shale 4286 (-2694)  
4286-4420 Varicolored shale.

Viola 4420 (-2828)  
4420-30 Cream coarse crystalline sandy dolomite. Trace dead oil stain. Fair to good intercrystalline porosity.

Simpson 4434 (-2842)  
4434-43 Medium grained quartz sand. Slightly dolomitic. No oil show. Fair Porosity.

DST #3 4422-50 Open 30". Recovered 3300' salt water. ICIP 1593 ,FBHP 1578#.

Rotary Total Depth 4450 (-2858)  
Plugged and Abandoned on 10-17-61.

Burton W. Schmidt  
Burton W. Schmidt  
Consultant Geologist

BWS:pch

DRILLING TIME LOG  
 #1 Sparks  
 C NE SE Sec. 15-28S-7W  
 Kingman County, Kans.

15 09500035-0600

Interval	Minutes	Remarks
2700	1-1-1-1-2/1-1-1-2-2	
10	2-2-2-2-2/2-2-2-3-1	
20	1-1-1-1-2/2-2-2-2-1	
30	1-1-1-1-1/1-3-3-3-1	
40	2-3-2-3-1/1-3-1-4-5	
50	4-6-4-4-4/6-4-4-4-4	
60	4-3-5-4-4/3-3-3-3-2	
70	3-2-4-2-4/3-4-3-3-2	
80	3-3-4-4-3/2-2-4-4-3	
90	3-2-2-2-3/3-3-4-4-4	
2800	4-4-4-4-3/4-4-7-6-4	
10	3-3-3-2-3/5-7-7-5-5	
20	3-2-3-3-3/2-3-5-6-4	
30	6-6-8-8-8/8-7-7-7-8	
40	7-6-5-3-4/3-3-4-5-4	
50	3-3-3-3-4/4-3-5-5-5	
60	5-6-6-6-6/6-6-6-6-6	
70	6-6-6-4-5/3-4-3-6-5	
80	6-6-6-3-3/2-3-4-2-3	
90	2-3-3-2-2/3-3-3-3-2	
2900	3-3-3-4-3/3-3-3-3-4	
10	3-3-3-4-4/3-2-3-3-3	
20	3-4-5-5-5/5-6-7-4-4	
30	4-4-4-6-4/4-9-7-7-7	
40	7-6-5-8-5/3-3-3-3-3	
50	3-3-3-4-5/3-3-2-4-3	
60	3-3-3-3-3/4-5-4-3-2	
70	1-2-2-3-2/2-2-2-3-3	
80	2-4-4-4-7/6-6-4-4-3	
90	7-4-5-5-5/4-3-4-3-5	
3000	3-1-1-2-1/1-1-3-1-1	Trip @ 3000
10	1-1-2-2-2/1-2-4-3-3	
20	3-4-3-3-2/2-1-2-3-4	
30	4-4-4-3-2/1-2-2-2-4	
40	3-3-2-3-2/3-1-1-1-4	
50	3-3-3-2-3/3-4-3-4-3	
60	2-3-3-3-3/2-3-2-2-2	
70	2-2-3-2-2/1-2-3-2-2	
80	1-1-1-1-1/1-1-1-2-3	
90	2-2-2-1-1/1-1-2-2-2	
3100	2-2-2-2-2/1-2-2-2-2	
10	1-1-2-2-2/2-3-3-2-1	
20	1-1-1-1-1/1-1-1-1-1	
30	1-1-1-1-1/1-1-1-1-1	
40	1-1-1-1-1/1-1-1-1-1	
50	1-1-1-1-1/1-1-1-1-1	

Interval	Minutes	Remarks
3160	3-3-2-2-3/4-4-2-4-2	
70	2-2-2-2-1/1-2-1-1-2	
80	2-2-2-1-1/2-2-1-1-1	
90	1-1-1-1-1/1-1-1-1-2	
3200	1-2-1-1-1/1/2-1-1-1	
10	1-1-1-1/2-1/2/1-1-1-1-1	
20	1-1-1-1-1/1/2-1-1-1	
30	1-1-1-1-1/1-2-2-1-1	
40	1-1-1-1-1/2-2-2-2-1	
50	2-2-2-3-3/3-3-3-3-3	
60	4-3-3-2-2/3-4-3-3-4	
70	2-5-2-3-3/3-3-3-3-4	
80	6-7-8-5-5/8-7-7-7-6	
90	8-9-11-14-12/10-10-8-8-10	
3300	9-9-9-10-10/11-10-9-8-7	
10	8-4-4-5-4/5-5-6-6-5	
20	6-5-6-6-4/4-4-4-4-6	
30	6-5-5-5-5/9-8-7-6-7	
40	7-6-6-5-6/7-6-6-4-3	
50	3-3-3-3-4/7-5-6-2-3	
60	3-3-3-4-5/5-5-5-5-4	
70	5-6-5-7-6/6-6-7-6-6	
80	6-7-7-6-7/7-6-5-4-5	
90	5-5-6-7-7/6-7-8-7-4	
3400	3-1-3-4-5/5-5-6-5-6	
10	6-6-7-7-8/8-9-9-3-4	
20	6-7-7-9-5/2-4-2-6-7	
30	6-9-8-9-9/11-8-8-9-9	
40	9-9-9-8-8/9-7-7-5-4	
50	4-5-5-3-3/3-4-4-4-6	
60	5-3-5-6-6/5-6-6-7-5	
70	7-7-7-8-9/6-6-8-9-6	
80	8-8-6-9-10/9-7-8-10-9	
90	5-4-6-9-4/6-5-5-6-4	
3500	5-4-5-5-6/6-5-5-8-9	
10	6-10-9-7-5/6-8-9-6-8	
20	7-4-4-4-6/6-6-6-6-7	
30	7-7-5-8-8/10-11-10-8-9	
40	10-6-6-5-5/5-5-5-6-8	
50	13-12-12-13-12/12-12-13-11-13	
60	12-12-13-12-13/13-14-8-7-10	
70	7-3-3-2-2/ 1-1-2-1-2	
80	2-1-5-5-5/5-11-6-13-12	
90	12-11-14-6-8/8-10-12-10-11	

Trip © 3593

Interval	Minutes	Remarks
3600	10-8-8-9-9/5-5-10-10-8	
10	9-10-6-6-9/9-8-7-9-9	
20	9-10-9-10-10/9-9-11-11-11	
30	11-12-11-10-7-9-11-7-4-2	
40	4-5-7-8-8/7-10-10-10-10	
50	9-6-8-8-11/11-11-9-2-3	
60	5-5-6-10-5/3-1-1-1-1	
70	1-2-4-6-12/10-14-13-12-12	3675 Circ.
80	12-12-12-15-13/11-12-13-14-11	
90	11-12-12-13-13/16-17-11-9-15	
3700	13-10-14-12-10/8-6-6-6-9	
10	11-4-5-7-7/3-2-4-8-10	
20	11-11-12-13-7/5-3-2-4-3	3724 D.S.T. #1
30	3-4-5-4-5/7-5-6-5-5	
40	5-8-9-9-8/5-5-6-5-6	
50	6-9-8-12-8/10-8-9-8-8	
60	6-8-7-9-8/7-8-7-8-7	
70	5-6-4-6-7/7-8-5-8-7	
80	7-7-8-8-7/7-6-5-5-8	
90	8-6-8-9-9/8-7-7-6-10	
3800	11-11-11-8-6/7-8-8-7-5	
10	6-5-5-7-8/8-9-10-10-6	
20	6-6-10-8-9/9-12-8-10-8	
30	9-10-11-9-10/9-9-10-8-8	
40	6-7-7-7-7/7-5-3-3-4	
50	6-6-10-8-6/5-6-9-7-7	
60	6-7-7-7-10/10-6-6-6-8	
70	7-7-6-5-5/7-5-4-3-4	
80	7-9-6-6-5/5-5-5-5-8	
90	10-11-11-8-8/7-8-10-6-6	Trip @ 3898
3900	6-5-7-6-4/5-6-8-5-5	
10	6-5-5-6-4/5-5-5-5-5	
20	6-6-7-6-6/6-6-5-6-5	
30	6-6-6-4-3/2-2-3-3-3	
40	2-2-3-4-6/5-4-3-2-2	
50	3-4-3-2-4/3-4-4-4-4	
60	3-1-4-5-6/6-5-5-4-4	
70	3-6-2-2-1/4-6-7-6-6	
80	6-5-6-4-4/3-3-4-3-2	
90	2-2-3-4-4/5-4-4-4-4	
4000	4-3-4-6-4/4-3-3-3-3	
10	3-4-3-3-5/6-5-4-4-3	
20	3-3-1-1- $\frac{1}{2}$ / $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	
30	1-1-1-1-1/2-1-2-3-4	4032 D.S.T. #2
40	3-4-4-4-2/1-1-1-1-1	
50	1-1-1-1-3/2-2-1-1-1	
60	1-1-1-2-1/1-7-7-2-3	
70	2-3-6-7-7/8-6-8-7-7	
80	8-8-7-8-7/7-8-7-7-8	
90	8-7-8-8-7/8-5-3-1-1	



Drilling Time Log

15 095000350000  
#1 Sparks

Interval	Minutes	Remarks
4100	1-1-1-2-2/3-1-1-2-1	
10	1-1-1-2-1/2-1-2-2-1	
20	1-2-2-2-2/1-2-3-1-2	
30	2-1-2-1-1/1-1-2-5-9	
40	6-7-8-8-9/12-16-9-9-7	4140 Trip
50	10-9-9-10-7/8-5-4-4-5	
60	4-4-9-8-8/8-11-9-10-10	
70	10-10-9-9-10/6-7-13-10-10	
80	12-9-10-12-12/11-11-11-10-10	
90	12-13-12-14-11/15-14-13-10-8	
4200	10-7-10-10-10/13-5-8-7-8	4206 Trip
10	11-10-9-9-10/10-10-9-10-8	
20	8-10-10-8-9/9-8-8-9-10	
30	8-8-10-8-8/9-8-9-7-7	
40	7-7-8-8-11/7-6-9-8-9	
50	10-13-8-9-12/14-16-12-6-5	4258 Trip
60	7-8-10-7-8/8-8-9-8-11	
70	12-12-9-10-9/9-9-11-16-14	
80	16-15-15-18-14/8-6-6-7-6	4285 Trip
90	7-5-3-5-5/5-6-7-6-7	
4300	5-4-4-6-5/5-6-5-6-5	
10	6-7-5-7-7/7-7-9-7-7	
20	5-7-7-7-5/8-5-6-6-5	
30	6-5-5-5-3/3-5-4-3-4	
40	4-4-4-4-4/4-4-4-5-4	
50	5-6-6-5-5/5-5-5-5-5	
60	5-6-5-7-7/6-7-7-7-7	
70	6-7-7-8-9/7-8-9-10-10	
80	10-10-7-6-7/11-9-14-12-12	
90	11-8-8-9-9/9-8-9-9-8	4398 Circ.
4400	10-13-13-15-14/15-15-13-14-12	
10	9-10-12-12-12/12-11-11-6-4	4418 Trip
20	3-3-1-2-2/1-2-3-3-2	
30	4-4-3-2-7/9-9-10-12-16	
40	15-13-11-3-2/3-2-3-3-4	4450 D.S.T. #3
50		4450 R.T.D.