15-145-20117-0000

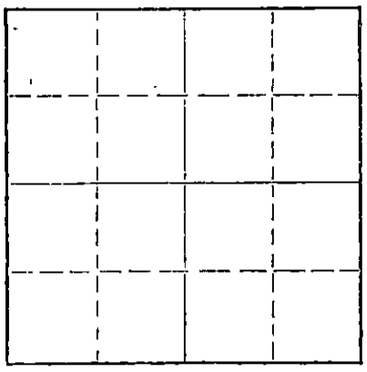
STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 No. Market
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Pawnee County. Sec. 12 Twp. 21S Rge. ____ (E) 16 (W)
Location as "NE/CNW¼SW¼" or footage from lines SW SW NE
Lease Owner Imperial Oil Co.
Lease Name Foster Well No. 1
Office Address 780 Fourth National Bldg., Wichita, Ks. 67202
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed June 29 19 69
Application for plugging filed June 29 19 69
Application for plugging approved June 29 19 69
Plugging commenced June 29 19 69
Plugging completed June 29 19 69
Reason for abandonment of well or producing formation No commercial quantities of oil and/or gas were encountered.
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 Leo F. Massey, Hays, Kansas
Producing formation ____ Depth to top ____ Bottom ____ Total Depth of Well 3791 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			965'	8 5/8"	450 sacks.	Not pulled

RECEIVED
STATE CORPORATION COMMISSION
JUL 9 1969
CONSERVATION DIVISION
Wichita, Kansas

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 3791 feet to ____ feet for each plug set.

Set first plug at 350 ft. with 25 sacks of cement.
Set second plug at 170 ft. with 20 sacks of cement.
Set third plug at 40 ft. with 10 sacks of cement.

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

Name of Plugging Contractor Imperial Oil Company
Address 780 Fourth National Bldg., Wichita, Kansas 67202

STATE OF KANSAS, COUNTY OF SEDGWICK, ss.

Charley V. Shank (employee of owner) or (~~owner or 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 CO.

(Signature) Charley V. Shank
780 Fourth National Bldg., Wichita, Ks.
(Address)

SUBSCRIBED AND SWORN TO before me this 8th day of July, 19 69

Mary J. Brown
Mary J. Brown
Notary Public.

My commission expires March 3, 1970

DRILLER'S LOG

15-145-20117-0000

Imperial Oil Company
780 Fourth National Bldg.
Wichita, Kansas 67202

#1 Foster
SW SW NE Sec. 12-21S-16W
Pawnee County, Kansas

Total Depth: 3791 feet

Elevation: 1970 K.B.

Commenced: June 19, 1969

Completed: June 29, 1969
Dry Hole

Contractor: Imperial Oil Company, Rig #2

Casing Record: Set 8 5/8" surface casing set at 965 ft. with 450 sacks of cement.

Figures indicate bottom of formations:

		Sample Tops:					
80'	Sand						
353'	Sand-shale	Top Anhydrite	947	(+1023)	Topeka	2977	(-1007)
375'	Shale	Base Anhydrite	970	(+1000)	Heebner	3309	(-1339)
485'	Dakota Sand	Herrington	1898	(+ 72)	Toronto	3328	(-1358)
845'	Shale-Red bed	Krider	1914	(+ 56)	Douglas Sh.	3342	(-1372)
947'	Shale-shells	Winfield	1949	(+ 21)	Douglas Sd.	3380	(-1410)
1745'	Anhydrite	Towanda	2009	(- 39)	Brown Lime	3403	(-1433)
2010'	Shale-shells	Ft. Riley	2050	(- 80)	Lansing	3415	(-1445)
2665'	Lime-shale	Florence	2095	(- 125)	B/KC	3657	(-1687)
2870'	Shale-sand	Wreford	2172	(- 202)	Viola	3678	(-1708)
3005'	Shale-lime	Council Grove	2222	(- 252)	Simpson Sh.	3732	(-1762)
3105'	Lime-shale	Neva	2403	(- 433)	Simpson Sd.	3742	(-1772)
3210'	Shale-lime	Foraker	2467	(- 497)	Lower Smp.Sd	3771	(-1801)
3431'	Lime-shale	Wabaunsee	2619	(- 649)	Arbuckle	3781	(-1811)
3711'	Lime	Howard	2933	(- 963)	Total Depth	3791	(-1821)
3757'	Chert-lime						
3775'	Shale-sand						
3785'	Lime-sand						
3791'	Lime						
3791'	Rotary Total Depth						

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 CO.

Charley V. Shank

Subscribed and sworn to before me this 8th day of July, 1969.

Mary J. Brown, Notary Public

My Commission Expires:
March 3, 1970

15-145-20117-0000

RECEIVED
STATE CORPORATION COMMISSION
JUL 9 1969
CONSERVATION DIVISION
Wichita, Kansas

GEOLOGICAL REPORT

NO. 1 FOSTER
SW SW NE Sec. 12-21S-16W
Pawnee County, Kansas

GEOLOGICAL REPORT

Company: Imperial Oil Company
Farm: Foster #1
Contractor: Imperial Oil Company, Rig #2
Pool: Wildcat

Pawnee County, Kansas
SW SW NE Sec. 12-21S-16W
Elevation: 1970 K.B.
Rotary Total Depth: 3791 ft.

Rotary Completed: June 29, 1969

Geological Data:

Smaples were examined from 1800 ft. to Rotary Total Depth. One foot drilling time was kept from 1800 ft. to Rotary Total Depth. (Electric log information: no electric log was run.)

Formation Tops

Sample Tops

Top Anhydrite	947	(+1023)
Base Anhydrite	970	(+1000)
Herrington	1898	(+ 72)
Krider	1914	(+ 56)
Winfield	1949	(+ 21)
Towanda	2009	(- 39)
Ft. Riley	2050	(- 80)
Florence	2095	(- 125)
Wreford	2172	(- 202)
Council Grove	2222	(- 252)
Neva	2403	(- 433)
Foraker	2467	(- 497)
Wabaunsee	2619	(- 649)
Howard	2933	(- 963)
Topeka	2977	(-1007)
Heebner	3309	(-1339)
Toronto	3328	(-1358)
Douglas Shale	3342	(-1372)
Douglas Sand	3380	(-1410)
Brown Lime	3403	(-1433)
Lansing	3415	(-1445)
Base Kansas City	3657	(-1687)
Viola	3678	(-1708)
Simpson Shale	3732	(-1762)
Simpson Sand	3742	(-1772)
Lower Simpson Sand	3771	(-1801)
Arbuckle	3781	(-1811)
Rotary Total Depth	3791	(-1821)

Porosity and Shows of Oil

Council Grove 2246-67	Limestone: cream and tan, fine to sucrosic, trace light scattered, spotty, stain in few pieces. No free oil or odor. Fair pinpoint porosity. Gas detector registered 30 units.
DST #1	2230-71'. Open 2 hr. Fair blow. Recovered 1920' gas in pipe, 15' mud. ICIP 58#/30", IFP-FFP 46#, FCIP 46#/30".
Douglas Sand 3380-85	Sand, gray and white, fine grained, friable, slight show of gas. Gas detector registered 11 units.
DST #2	3342-3416'. Open 60 minutes. Very weak blow for 3 minutes. Recovered 3' mud. All pressures 0#.
Lansing 3419-25	(Top) Limestone: buff to gray, fine to sucrosic, light scattered spotty stain with good show of free oil when broken, fair pinpoint to vugular porosity. Faint odor.
DST #3	3409-31'. Open 60 minutes. Very weak blow for 15 minutes. Recovered 20 ft. mud. ICIP 82#/30", IFP 35#, FFP 35#, FCIP 58#/30".
3484-3528	(90-100' Zns.) Limestone: buff, finely crystalline, good oolicastic porosity with oolitic limestone. No show or odor. Gas detector registered 15 units in this section.
DST #4	3484-3531'. Open 60 minutes. Strong blow. Recovered 2250' muddy water. ICIP 1295#/30", IFP 187#, FFP 1176#, FCIP 1295#/30".
Viola 3700-3723	Chert, tan to white, fresh, opaque with dead oil stain and slight odor. Gas detector registered 38 units.
DST #5	3697-3711'. Open 60 minutes. Weak to fair blow for 30 minutes. Recovered 30' gas in pipe, 30' mud. ICIP 58#/30", IFP-FFP 35#, FCIP 46#.
Simpson Sand 3742-47	Sand, white, medium to coarse grained, sub-rounded, friable, fair light scattered stain with very slight show of free oil. Faint odor.

DST #6 — 3731-57'. Open 90 minutes. Weak blow. Recovered 30' mud with few specks of oil. ICIP 82#/30", IFP -FFP 46#, FCIP 58#.

Lower Simpson
3771-81 — Sand, white, fine to medium grained, rounded, light stain with good show of free oil and good odor. Very friable.

DST #7 — 3765-75'. Open 60". Strong blow. Gas to surface in 35 minutes. Too small to measure. Recovered 150 ft. heavily oil and gas cut mud, 60' oil and gas cut mud, 240' oil and gas cut salt water. ICIP 938#/30", IFP 105#, FFP 223#, FCIP 821#/30".

Arbuckle
3781-91' — Dolomite, buff to tan, fine to medium crystalline, good, light even stain with good show of free oil. Good odor. Fair to good vugular porosity. Lower portion appeared water bearing.

DST #8 — 3781-85'. Open 60 minutes. Strong low. Recovered 30' oil specked mud, 60' oil cut water. ICIP 1169#/30", IFP 46#, FFP 70#, FCIP 1135#/30".

DST #9 — 3784-91'. Open 60". Strong blow. Recovered 1340 ft. gas in pipe, 700' muddy water. ICIP 1077#/30", IFP 46#, FFP 328#, FCIP 927#/30".

Plugged and abandoned June 29, 1969

Total Depth: 3791 feet.

IMPERIAL OIL COMPANY

Charley V. Shank
Geologist on Well

CVS:jd

DRILLING TIME LOG
#1 FOSTER
SW SW NE Sec. 12-21S-16W
Pawnee County, Kansas

Depth	Minutes	Remarks
1' Intervals		
1800-1810	1-1-1-1-1/1-2-1-1-1	
20	2-1-1-1-2/2-1-1-2-1	
30	3-1-2-1-2/1-1-1-1-1	
40	1-1-2-2-1/3-2-2-1-1	
50	1-2-2-3-3/3-2-3-1-1	
60	1-1-1-1-1/1-1-2-1-1	
70	1-3-3-3-2/2-2-1-2-2	
80	3-2-3-1-1/2-1-1-1-1	
90	1-½-½-1-2/3-2-2-1-2	
1900	1-1-1-1-1/2-1-2-1-1	
1900-1910	1-1-2-2-1/2-1-1-2-1	
20	1-1-1-1-2/2-2-1-1-1	
30	2-2-2-3-2/2-3-3-2-3	
40	3-3-5-3-2/3-2-1-1-2	
50	1-1-2-1-1/1-1-1-2-1	
60	2-1-2-1-2/1-2-1-2-1	
70	2-3-2-2-2/3-1-2-2-4	
80	3-2-3-2-1/2-1-2-2-1	
90	2-2-2-3-2/2-2-2-3-2	
2000	2-2-2-1-2/2-1-1-1-2	
2000-2010	2-1-3-1-2/1-1-1-1-2	
20	1-2-2-2-2/2-2-2-1-1	
30	1-2-2-2-1/1-1-½-½-2	
40	2-2-2-4-4/4-3-3-3-3	
50	3-3-3-3-4/3-2-4-3-4	
60	3-3-3-2-2/2-3-2-3-2	Trip @ 2060'
70	1-1-2-2-2/2-1-1-2-1	
80	0-1-1-1-1/1-1-1-1-2	1' corr. @ 2071'
90	2-1-1-1-1/1-1-1-1-1	
2100	1-1-1-1-2/1-1-1-1-1	
2100-2110	1-1-1-1-2/2-2-2-2-2	
20	1-1-1-1-1/1-1-1-1-1	
30	1-1-1-1-1/1-1-1-½-½	
40	2-2-1-2-2/2-3-3-1-1	
50	2-6-3-2-3/4-5-5-5-5	
60	5-5-3-6-5/3-3-3-3-2	
70	2-3-3-3-3/3-2-3-2-2	
80	2-4-2-3-3/4-3-3-5-5	
90	6-4-4-4-3/4-6-6-8-6	
2200	4-5-5-3-2/2-2-3-3-2	

DRILLING TIME LOG: #1 Foster

Depth	Minutes	Remarks
1' Intervals		
2200-2210	2-3-3-3-2/2-2-2-5-4	
20	2-2-2-5-3/3-4-5-4-6	
30	5-4-3-2-2/2-2-1-1-1	
40	1-1-1-1-1/1-1-1-1-1	
50	3-4-3-3-2/5-1-2-2-2	
60	2-2-2-3-2/3-2-2-2-3	
70	2-2-3-2-2/2-4-4-4-4	
80	3-1-2-3-2/1-3-1-3-3	DST #1: 2230-71'
90	3-2-3-2-3/3-3-0-2-1	1' corr. @ 2288'
2300	1-2-2-2-3/3-3-2-3-2	
2300-2310	1-2-3-2-3/3-2-1-2-2	
20	2-2-2-3-2/2-1-3-2-1	
30	1-2-2-2-3/3-3-2-4-3	
40	2-2-4-2-3/2-2-1-2-2	
50	2-2-2-2-3/3-2-2-2-2	
60	2-2-1-1-½/½-1-1-1-1	
70	1-2-1-1-2/3-2-1-1-1	
80	1-1-1-2-2/3-2-2-2-2	
90	2-2-2-3-2/2-1-3-3-2	
2400	3-2-1-1-2/2-2-2-1-2	
2400-2410	2-½-½-4-3/3-3-3-4-3	
20	3-3-3-2-2/3-2-3-3-3	
30	3-3-3-3-2/3-3-2-2-3	
40	3-3-3-3-2/2-1-1-2-4	
50	2-3-1-1-1/3-3-3-3-2	
60	3-2-2-1-2/2-2-2-2-2	
70	2-2-2-2-2/2-2-3-3-2	
80	3-2-2-2-2/2-2-2-3-3	
90	2-2-2-2-2/3-3-2-3-3	
2500	3-3-3-2-2/2-2-2-2-4	
2500-2510	4-3-4-3-2/1-1-1-1-1	
20	1-1-1-1-1/1-2-2-2-2	
30	2-2-2-2-2/2-2-2-1-1	
40	2-1-2-2-2/2-3-3-3-3	
50	4-1-2-1-2/2-1-1-4-3	
60	3-3-3-2-3/3-2-1-2-2	
70	1-1-3-3-4/2-1-1-4-3	
80	2-2-3-3-4/3-2-2-2-2	
90	2-2-2-2-1/1-1-1-2-2	
2600	3-2-2-2-3/3-3-1-2-2	

DRILLING TIME LOG: #1 Foster

Depth	Minutes	Remarks
1' Intervals		
2600-2610	2-1-3-2-2/2-1-2-2-3	
20	2-4-3-1-1/3-1-1-2-3	
30	2-2-1-1-1/2-1-1-1-3	
40	3-3-2-3-2/3-4-3-4-4	
50	4-3-4-3-3/3-4-3-2-2	
60	4-3-3-4-4/2-2-2-2-2	
70	3-2-2-3-2/2-2-2-2-2	
80	1-3-3-3-1/2-3-1-1-2	
90	1-2-3-2-3/2-2-3-2-1	
2700	2/7 ft. in 3 mins/1-1-1	
2700-2710	1-1-1-1-½/½-½-½-1-1	
20	2-1-1-1-1/2-1-2-1-2	
30	2-2-1-1-1/1-1-2-2-2	
40	2-1-1-1-2/1-1-1-1-1	
50	1-1-1-1-1/1-1-1-1-1	
60	1-1-1-1-1/1-1-1-1-2	
70	2-2-2-3-2/3-2-2-2-2	
80	2-2-2-2-2/2-2-2-2-2	Trip @ 2775'
90	2-2-3-2-2/1-1-1-1-1	
2800	1-1-½-½-½/½-1-1-1-1	
2800-2810	1-1-1-1-1/1-½-½-½-½	
20	1-1-1-1-1/1-½-½-½-2	
30	2-2-1-2-2/2-2-2-2-2	
40	2-2-2-2-2/1-2-3-3-3	
50	3-3-3-3-3/3-2-3-3-4	
60	4-3-4-4-3/4-4-3-3-4	
70	3-2-3-2-2/2-1-3-3-4	
80	4-4-5-4-3/3-3-3-2-0	1' corr. @ 2880'
90	3-3-4-4-4/4-4-4-2-2	
2900	3-2-3-3-2/3-3-3-2-3	
2900-2910	3-5-6-5-5/4-5-5-3-3	
20	4-3-4-3-4/5-3-4-4-4	
30	4-4-4-3-4/3-3-3-3-3	
40	3-2-3-5-5/3-3-3-4-4	
50	4-3-2-2-3/2-3-3-2-2	
60	2-4-2-2-3/3-3-3-3-2	
70	3-3-4-5-7/6-6-5-2-5	
80	2-3-2-2-2/3-2-4-3-5	
90	5-5-5-6-5/6-4-3-3-4	
3000	2-3-3-5-4/4-5-4-3-4	

DRILLING TIME LOG: #1 Foster

Depth	Minutes	Remarks
1' Intervals		
3000-3010	4-3-3-4-5/5-6-5-6-6	
20	5-4-6-4-5/5-6-7-5-6	
30	6-6-7-7-5/6-5-5-5-6	
40	5-6-5-6-6/5-4-3-2-2	
50	3-3-2-2-5/4-4-5-5-5	
60	7-4-4-6-5/6-6-4-3-4	
70	4-3-5-5-5/5-4-4-2-3	
80	6-5-6-5-7/7-7-6-4-5	
90	3-3-2-3-3/3-4-4-3-3	
3100	2-2-3-5-5/7-4-3-3-3	
3100-3110	4-4-4-4-4/5-4-4-4-3	Trip @ 3110'
20	2-3-3-4-3/4-4-3-2-3	
30	3-4-3-3-3/2-2-2-1-2	
40	1-1-2-2-2/3-3-2-2-2	
50	2-2-2-3-2/3-3-2-2-2	
60	2-3-3-3-3/3-3-3-3-4	
70	3-3-3-3-2/2-3-3-3-4	
80	3-2-4-4-4/4-4-4-4-3	
90	3-3-4-3-4/4-4-4-4-4	
3200	4-4-4-4-6/5-3-3-3-3	
3200-3210	4-4-4-4-3/4-4-6-3-2	
20	2-5-5-4-5/5-6-5-6-4	
30	3-5-5-5-5/5-6-5-5-6	
40	5-6-4-5-4/6-6-6-7-5	
50	5-6-5-5-5/5-5-8-5-6	
60	8-8-7-9-10/6-7-7-7-6	
70	5-3-3-5-7/6-8-7-7-9	
80	7-7-8-7-8/8-8-7-7-7	
90	8-7-7-7-7/7-6-5-5-6	
3300	9-7-6-9-7/8-6-6-7-8	
3300-3310	6-7-8-6-8/8-8-8-6-6	
20	4-3-2-2-8/11-10-5-6-3	
30	3-4-4-4-4/5-4-4-6-5	
40	4-4-4-4-5/5-4-5-5-6	
50	7-8-3-4-4/4-3-3-4-4	Circ. 1 hr.
60	4-3-2-2-2/2-2-2-2-2	
70	2-2-2-3-3/3-3-2-3-3	
80	4-3-3-2-2/3-2-2-2-3	
90	2-3-1-2-3/2-3-2-3-3	
3400	2-3-3-3-3/2-2-3-3-3	

DRILLING TIME LOG: #1 Foster

Depth	Minutes	Remarks
1' Intervals		
3400-3410	3-3-3-4-6/8-5-5-6-5	Slightly rough @ 3408
20	4-3-4-3-3/6-4-4-5-4	Circ. @ 3416; DST #2:3342-3416'
30	3-4-3-4-4/5-6-6-7-8	
40	8-7-5-11-14/9-7-7-8-7	DST #3: 3409-31; Circ.
50	6-6-6-6-7/5-9-10-10-9	
60	10-9-12-11-7/7-6-10-11-16	
70	6-5-6-10-6/7-8-8-7-8	
80	8-6-5-4-6/7-5-5-5-5	
90	6-8-6-7-5/2-3-1-½-½	
3500	½-½-½-½-½/½-½-½-½-½	Circ. @ 3500'
3500-3510	½-½-½-½-1/½-½-½-½-½	
20	½-1-1-½-½/1-1-1-1-1	
30	½-½-1-1-1/3-2-4-5-4	Rough @ 3526'
40	5-4-7-9-8/9-7-9-6-6	DST #4: 3484-3531', Circ.
50	7-7-8-8-8/8-8-8-9-9	
60	6-5-5-8-8/7-5-5-4-8	
70	8-9-8-8-8/9-10-8-9-9	
80	4-5-7-8-8/8-5-5-7-8	
90	8-4-5-7-9/9-8-7-6-7	
3600	6-5-6-6-4/3-4-5-7-5	
3600-3610	5-5-6-7-6/8-8-8-9-10	
20	8-9-10-9-9/7-6-8-5-5	
30	7-8-8-9-9/8-9-10-9-10	
40	10-4-6-7-6/6-7-7-7-5	Trip @ 3631'
50	6-5-6-5-6/5-5-5-5-4	
60	5-5-5-5-6/6-6-5-5-4	
70	5-6-5-5-5/5-5-5-5-5	
80	6-6-4-3-3/3-3-3-4-4	
90	6-7-5-5-4/5-6-7-6-5	
3700	3-4-4-6-5/5-8-7-7-4	
3700-3710	4-5-4-4-4/5-4-4-4-4	
20	4-3-4-3-3/4-3-3-4-3	DST #5: 3697-3711'
30	4-3-3-5-4/5-4-5-6-6	
40	6-5-6-7-7/10-12-13-13-12	
50	13-13-12-11-11/11-12-12-12-12	
60	10-8-6-11-11/8-10-6-7-8	DST #6: 3731-57; Circ.
70	8-9-8-8-9/8-7-6-8-7	Circ. @ 3767'
80	7-4-2-1-3/1-1-2-1-2	DST #7: 3765-75' Circ.
90	4-3-2-4-3/3-3-2-3-3	DST #8: 3781-85; Circ.;Rough @
91	3	DST #9: 3784-91; Circ.; 3788'

Total Depth 3791 feet