

STATE OF KANSAS  
STATE CORPORATION COMMISSION

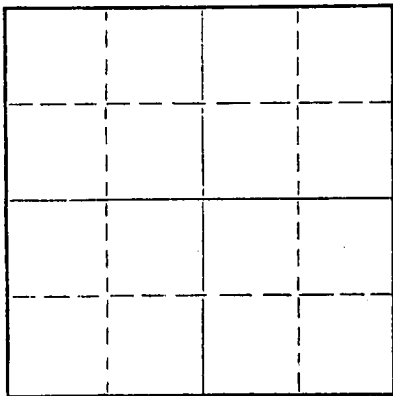
Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
212 No. Market  
Wichita, Kansas

WELL PLUGGING RECORD

Graham County, Sec. 6 Twp. 10S Rge. 21 (E) (W)  
NW SW SW

Location as "NE/CNW/SW" or footage from lines \_\_\_\_\_  
Lease Owner Imperial Oil Co.  
Lease Name Hansen Estate 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 January 1 19 70  
Application for plugging filed January 1 19 70  
Application for plugging approved January 1 19 70  
Plugging commenced January 1 19 70  
Plugging completed January 1 19 70  
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

NORTH



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well W. L. Nichols, Moreland, Kansas  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3971 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			209	8 5/8"	165 sacks	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 3971 feet to \_\_\_\_\_ feet for each plug set.

Set first plug at 950' with 100 sacks of cement.  
Set second plug at 215' with 25 sacks of cement.  
Set third plug at 40' with 10 sacks of cement.

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JAN 26 1970  
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., Wichita, Kansas 67202

STATE OF KANSAS, COUNTY OF SEDGWICK, ss.

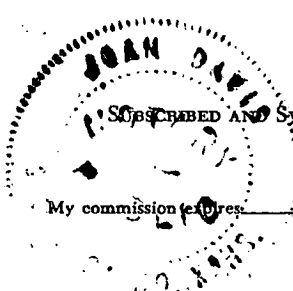
Charley V. Shank (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God. IMPERIAL OIL COMPANY

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

Subscribed and sworn to before me this 6th day of January, 19 70

My commission expires December 10, 1973

Joan Davis  
Joan Davis Notary Public.



DRILLER'S LOG

15-065-20296-0000

Imperial Oil Company  
780 Fourth National Bldg.  
Wichita, Kansas

Hansen Estate No. 1  
NW SW SW Sec. 6-10S-21W  
Graham County, Kasas

Total Depth: 3971 feet

Elevation: 2333 K.B.

Commenced: December 23, 1969

Completed: January 1, 1970  
Dry Hole

Contractor: Imperial Oil Co., Rig #2

Casing Record: Set 8 5/8" surface at 209 ft. with 165 sacks of cement.

Figures indicate bottom of formations:

75' Sand  
209' Shale  
1330' Shale-shells  
1520' Dakota Sand  
1810' Red Bed  
1853 Anhydrite  
2375' Shale-shells  
2780' Shale-lime  
3474' Lime-shale  
3568' Lime  
3607' Lime-shale  
3652' Lime  
3725' Lime-shale  
3960' Lime  
3971' Chert  
3971' Rotary Total Depth

Sample Tops:

Top Anhydrite 1810 (≠ 523)  
Base Anhydrite 1853 (≠ 480)  
Topeka 3322 (- 989)  
Heebner 3526 (-1193)  
Toronto 3550 (-1217)  
Lansing 3565 (-1232)  
Base Kansas City 3797 (-1464)  
Marmaton Chert 3860 (-1527)  
Conglomerate 3896 (-1563)  
Arbuckle None  
Total Depth 3971 (-1638)

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Wichita, Kansas

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 Charley V. Shank  
Charley V. Shank

Subscribed and sworn to before me this 6th day of January, 1970.

Joan Davis  
Joan Davis

My Commission Expires:  
December 10, 1973



15-065-20296-0000

GEOLOGICAL REPORT

#1 HANSEN ESTATE  
NW SW SW Sec. 6-10S-21W  
Graham County, Kansas

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STATE CORPORATION COMMISSION  
JAN 26 1970  
CONSERVATION DIVISION  
Wichita, Kansas

## GEOLOGICAL REPORT

Company: Imperial Oil Company  
Farm: Hansen Estate #1  
Contractor: Imperial Oil Co., Rig #2  
Pool: Brownville

Graham County, Kansas  
NW SW SW Sec. 6-10S-21W  
Elevation: 2333 K.B.  
Rotary Total Depth: 3971'

Rotary Completed: 1-1-70

### Geological Data:

Samples were examined from 3380' to Rotary Total Depth. One foot drilling time was kept from 3275' to Rotary Total Depth. (Electric log information: No electric log was run.)

### Formation Tops

### Sample Tops

Top Anhydrite	1810 (#523)
Base Anhydrite	1853 (#480)
Topeka	3322 (-989)
Heebner	3526 (-1193)
Toronto	3550 (-1217)
Lansing	3565 (-1232)
Base Kansas City	3797 (-1464)
Marmaton Chert	3860 (-1527)
Conglomerate	3896 (-1563)
Arbuckle	None
Rotary Total Depth	3971 (-1638)

### Porosity and Shows of Oil

#### Lansing

3606-10

(35' Zone) Limestone, buff to tan, fine to sucrosic. Trace of light, scattered, spotty stain with no show of free oil. Faint odor. Poor porosity.

DST #1

3591-3620'. Open 60 minutes. Weak blow for 40 minutes. Recovered 40' watery mud. ICIP 586#/30". IFP 35#, FFP 46#, FCIP 586#/30".

3649-54

(90' Zone) Limestone, cream to white, fine to mealy and chalky. Fair, scattered, vugular and oolitic porosity. No show or odor.

3702-07

(140' Zone) Limestone, white, finely crystalline. Trace of light stain in a few pieces. No free oil with faint odor. Fair to poor porosity.

3735-39

(160' Zone) Limestone, white and gray, fine to dense with much chalk. No show or odor. Poor porosity.

GEOLOGICAL REPORT: #1 Hansen Estate

DST #2 3696-3740' Open 90 minutes. Very weak blow. Recovered 60' watery mud with few specks of oil. ICIP 950#/30" IFP 23#, FFP 46#, FCIP 833#/30".

3765-69 (200' Zone) Limestone, white to cream, fine to sucrosic, scattered dead oil stain. No show of free oil and no odor. Poor vugular and crystalline porosity.

3786-89 (220' Zone) Limestone, white to buff, finely crystalline with much chalk. No show or odor. Fair porosity.

Marmaton  
3866-75

Chert, tan and buff, fresh with tan tripolitic chert. Fair, scattered stain with show of free oil and faint odor. Fair to poor porosity.

DST #3 3864-80'. Open 60 minutes. Weak blow. Recovered 30' very slightly oil cut mud. ICIP 974#/30", IFP 23#, FFP 35#, FCIP 786#/30".

Rotary Total Depth: 3971 feet

January 1, 1970

D & A

IMPERIAL OIL COMPANY

  
Charley V. Shank  
Geologist on Well

CVS:jd

DRILLING TIME LOG  
Hansen Estate #1  
NW SW SW Sec. 6-10S-21W  
Graham County, Kansas

Depth	Minutes	Remarks
<b>1' Intervals</b>		
3275-3280	4/5-6-4-5-4	
90	4-5-3-3-3/5-5-3-2-2	
3300	2-3-2-3-6/6-3-2-2-2	
3300-3310	2-2-2-3-2/2-6-5-3-4	
20	4-6-6-6-5/5-7-6-1-1	Trip At 3318'
30	1-2-3-4-4/3-4-4-4-5	
40	4-3-5-4-3/3-3-3-2-3	
50	3-4-2-3-3/3-3-2-2-2	
60	2-1-1-1-1/1-1-1-2-2	
70	2-4-3-5-2/3-4-3-3-3	
80	3-3-2-2-2/3-2-3-4-2	
90	3-3-3-4-3/4-2-2-2-1	
3400	3-1-2-1-3/4-3-5-4-4	
3400-3410	4-2-3-3-3/4-4-3-3-3	
20	2-3-3-3-2/3-3-4-4-3	
30	3-3-3-4-2/3-2-3-3-3	
40	3-4-3-3-4/3-4-4-3-4	
50	5-4-4-5-3/3-4-3-4-4	
60	5-5-4-5-5/5-6-3-4-4	
70	4-3-4-4-5/5-5-5-5-4	
80	4-5-4-5-5/5-4-4-5-3	
90	4-3-4-4-5/5-5-5-7-7	
3500	4-6-6-7-7/3-4-2-1-2	Slightly rough at 3496-97'
3500-3510	1-2-3-3-5/5-4-4-4-4	
20	6-5-6-7-7/7-7-7-7-6	
30	7-5-6-6-6/6-5-5-4-2	
40	2-7-6-6-7/7-5-5-4-3	
50	5-4-5-4-5/5-5-5-5-4	
60	5-6-7-4-4/6-5-6-7-8	
70	7-5-5-4-5/5-5-7-6-7	
80	8-6-6-5-7/6-8-7-7-8	Circ. at 3580'
90	3-5-5-5-5/6-6-6-6-6	Trip at 3581'
3600	6-5-6-6-5/6-5-5-6-5	

DRILLING TIME LOG: #1 HANSEN ESTATE

Depth	Minutes	Remarks
<b>1' Intervals</b>		
3600-3610	3-4-4-4-5/6-5-3-5-6	
20	6-6-5-6-7/7-6-5-7-6	DST #1: 3591-3620'; Circ.
30	4-6-5-5-6/5-6-5-6-7	
40	6-8-5-8-7/7-6-6-7-7	
50	6-5-6-6-7/5-4-5-3-4	Circ at 3648'
60	5-3-3-5-5/5-6-5-6-6	
70	6-0-6-7-7/8-7-7-5-6	1' kelly corr. at 3662'
80	7-7-7-7-5/7-5-7-7-6	
90	6-7-7-6-7/7-7-7-6-6	
3700	4-6-5-7-7/6-6-6-6-6	
3700-3710	6-8-6-7-6/6-8-8-7-7	
20	8-8-8-7-8/7-7-7-6-6	
30	6-5-6-6-6/7-7-8-7-7	
40	7-6-9-8-9/5-7-8-6-6	DST #2: 3696-3740'; Circ.
50	4-5-5-3-3/4-5-3-4-4	
60	4-5-6-5-5/2-4-5-4-3	
70	4-4-4-4-3/3-3-3-3-4	Slightly rough at 3763'
80	4-5-4-4-4/4-4-4-4-4	Circ. at 3780'
90	4-4-3-3-5/4-4-3-4-4	
3800	4-5-7-6-6/5-4-5-4-4	
3800-3810	3-3-2-3-3/3-3-3-4-4	
20	5-5-5-5-5/5-4-5-3-3	
30	4-3-4-4-4/5-5-5-4-6	
40	6-6-6-5-7/7-6-5-5-5	
50	6-5-6-6-5/6-7-5-4-6	
60	7-6-6-5-6/7-6-5-5-5	
70	6-6-7-6-5/5-2-3-3-3	
80	4-5-3-4-5/6-6-6-5-7	DST #3: 3864-80; Circ.
90	8-10-7-8-8/9-8-9-8-8	
3900	8-9-7-7-6/8-6-8-6-5	
3900-3910	4-5-3-3-2/2-2-2-3-3	
20	2-2-2-2-2/3-3-2-3-3	
30	3-2-1-1-2/1-2-1-1-1	Slightly rough at 3922 & 3925'
40	2-2-1-1-2/1-2-1-2-1	Slightly rough at 3936'
50	2-1-2-1-2/4-3-3-2-2	Slightly rough at 3950'
60	2-3-1-1-1/3-2-4-4-3	Circ @ 3951'; Rough @ 3952&55'
70	2-1-5-5-5/3-3-3-3-2	Circ. @ 3960';
71	2	Circ. @ 3971'

Rotary Total Depth 3971'