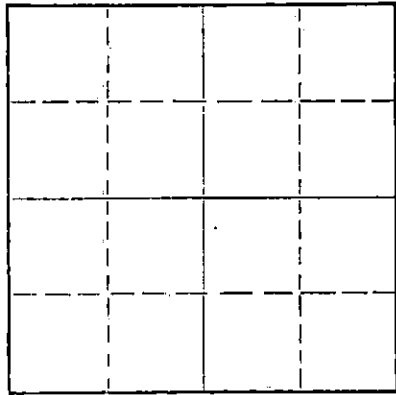


STATE OF KANSAS  
STATE CORPORATION COMMISSION

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 67202

WELL PLUGGING RECORD



Locate well correctly on above  
Section Plat

Barber County, Sec. 24 Twp. 34S Rge. (E) 15 (W)

Location as "NE/CNW/SW" or footage from lines C NW SE

Lease Owner Imperial Oil Company

Lease Name Davis Ranch "A" Well No. 1

Office Address 780 Fourth National Bldg., Wichita, Ks.

Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole

Date well completed June 23 19 70

Application for plugging filed June 23 19 70

Application for plugging approved June 23 19 70

Plugging commenced June 23 19 70

Plugging completed June 23 19 70

Reason for abandonment of well or producing formation: No commercial quantities  
of oil 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 G. Russell Biberstein, Attica, Kansas

Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 4935 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			930'	8-5/8"	425 sacks	not pulled

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JUL 9 1970  
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 4935 feet to \_\_\_\_\_ feet for each plug set.

Set first plug at 300 feet with 25 sacks of cement.

Set second plug at 40 feet 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.

Robert L. Williams, Jr. (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) Robert L. Williams, Jr.  
Imperial Oil Company  
Robert L. Williams, Geologist  
780 Fourth National Bldg., Wichita, Ks.  
(Address)

SUBSCRIBED AND SWORN TO before me this 7th day of July 19 70

My commission expires March 3, 1974

Nancy J. Brown  
Notary Public.

DRILLER'S LOG

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

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CONSERVATION DIVISION  
Wichita, Kansas

No. 1 Davis Ranch "A"  
C NW SE Sec. 24-34S-15W  
Barber County, Kansas

Total Depth: 4935 feet

Elevation: 1676 K.B.

Commenced: 6-10-70

Completed: 6-23-70  
Dry Hole

Contractor: Imperial Oil Co., Rig #2

Casing Record: Set 8 5/8" surface casing at 930 feet with 425  
sacks of cement.

LOG TOPS:

Heebner 4000'  
Toronto 4012'  
Douglas Sh. 4038'  
Lansing 4206'  
Miss. Lime 4838'  
Miss. Chert 4842'  
Rotary Total Depth 4935'

Sample Tops:

Heebner 4001 (-2325)  
Toronto 4014 (-2338)  
Douglas Sh. 4040 (-2364)  
Lansing 4210 (-2534)  
Miss Lime 4842 (-3166)  
Miss. Chert 4848 (-3172)  
Rotary Total Depth 4935 (-3259)

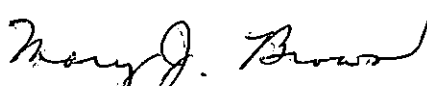
We hereby certify this to be a correct and accurate log of the above described well, as shown on the daily drilling reports.

IMPERIAL OIL COMPANY

  
Robert L. Williams, Jr.

Subscribed and sworn to before me this 7th day of July, 1970.

My Commission Expires:  
March 3, 1974

  
Mary J. Brown, Notary Public

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STATE CORPORATION COMMISSION

JUL 21 1970  
CONSERVATION DIVISION  
Wichita, Kansas

GEOLOGICAL REPORT

DAVIS RANCH "A" #1  
C NW SE Sec. 24-34S-15W  
Barber County, Kansas

## GEOLOGICAL REPORT

Company: Imperial Oil Company	Barber County, Kansas
Farm: Davis Ranch "A" #1	C NW SE Sec. 24-34S-15W
Contractor: Imperial Oil Company, Rig #2	Elevation: 1676 K.B.
Pool: Aetna Gas	Rotary Total Depth: 4935'
Rotary Completed: June 23, 1970	

### Geological Data:

Samples were examined from 4000 feet to Rotary Total Depth. One foot drilling time was kept from 3000 feet to Rotary Total Depth. (Electric log information: Electra-Gamma Ray, Neutron, Accurlog Baroid Gas Detector on from 2100 feet to Rotary Total Depth.)

### FORMATION TOPS

	<u>Sample Tops</u>	<u>Electric Log Tops</u>
Heebner	4001 (-2325)	4000 (-2324)
Toronto	4014 (-2338)	4012 (-2336)
Douglas Shale	4040 (-2364)	4038 (-2362)
Lansing	4210 (-2534)	4206 (-2530)
Swope	4624 (-2948)	4622 (-2946)
Mississippi Lime	4842 (-3166)	4838 (-3162)
Mississippi Chert	4848 (-3172)	4842 (-3166)
Cowley	4852 (-3176)	4846 (-3170)
<u>Rotary Total Depth</u>	4935 (-3259)	4927

### Porosity and Shows of Oil

No shows of oil or gas were observed either by sample analysis or Baroid Gas Detector above 4622 feet.

#### Swope

4624-49 Porosity Zone 4624-34. Tan to grey finely crystalline, slightly fossiliferous limestone. Siliceous in part with sponge spicules abundant. Fair to good visible porosity. Trace of oil stain. No show on gas detector.

DST #1 4616-40'. Open 90 minutes. Recovered 195 feet of gas cut muddy water. ICIP 1787#, FCIP 1752#/30", IFP 58#, FFP 128#.

No Shows in Lower Kansas City, Marmaton or Massey Formations.

GEOLOGICAL REPORT: Davis Ranch "A" #1

Mississippi  
Chert

4848-52

Blue-grey fresh, angular, sharp chert. Very slightly tripolitic in part. Oil stains abundant on weathered surfaces. Poor visible porosity. Neutron indicates 22½% average porosity in this 4 foot section.

Cowley

4825-4935

Dense grey-green limestone, finely crystalline and dense. Some very dense dolomite. Poor visible porosity and no oil or gas shows.

DST #2

4848-70'. Open 90 minutes. Strong blow diminishing to weak. Recovered 15 feet of mud. Could not detect any gas. ICIP 187#, FCIP 246#/30", IFP 46#, FFP 46#.

DST #3

4828-95'. Open 90 minutes. Very weak blow. Recovered 20 feet of mud. ICIP 105#, FCIP 105#/30", IFP 70#, FFP 70#.

DST #4

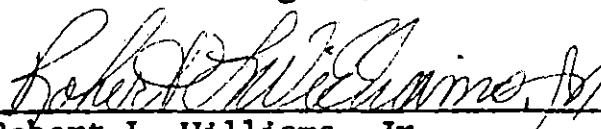
4895-4935'. Open 60 minutes. Very weak blow. Recovered 55 feet of mud. ICIP 117#, FCIP 117#/30", IFP 58#, FFP 58#.

Rotary total depth 4935 (-3259)

Although the structural position of this well was ideal for Mississippian gas production, the chert reservoir was very thin and poorly developed as indicated by the extremely low bottom hole pressures. The Davis Ranch "A" No.1 was plugged and abandoned as a dry hole on June 23, 1970.

IMPERIAL OIL COMPANY

Well-Site Geologist:

  
Robert L. Williams, Jr.  
Consultant

RLW, Jr./mb

DRILLING TIME LOG  
 DAVIS RANCH "A" # 1  
 C NW SE Sec. 24-34S-15W  
 Barber County, Kansas

Depth	Minutes	Remarks
1' intervals		
3500-3510	3-4-3-2-2/2-1-2-1-2	
20	2-2-1-2-2/1-2-2-2-2	
30	2-2-2-2-2/2-1-2-2-2	
40	2-1-3-2-3/2-3-3-3-3	
50	3-3-3-3-3/3-2-3-3-3	
60	2-3-3-2-3/2-3-2-3-2	
70	2-2-1-1-2/2-2-2-2-2	
80	2-2-2-2-2/2-2-2-2-2	
90	3-3-2-2-2/2-2-2-2-2	
3600	2-2-2-3-2/2-1-2-1-2	
3600-3610	1-2-1-2-2/1-2-2-2-1	
20	2-2-1-2-1/1-2-1-2-1	
30	2-1-2-1-2/1-1-1-1-2	
40	2-1-1-1-1/1-1-1-2-2	
50	2-1-1-1-2/1-2-1-1-2	
60	1-2-1-1-2/1-1-1-1-1	
70	1-1-2-2-2/2-1-1-2-2	
80	1--2-1-2-2/1-2-1-2-2	
90	1-2-1-2-2/1-1-2-2-1	
3700	2-1-2-1-2/1-2-1-2-2	
3700-3710	2-3-2-2-2/2-2-3-3-2	
20	3-2-3-2-3/2-2-2-2-2	
30	2-2-2-2-2/2-2-2-2-2	
40	2-2-2-2-3/2-2-3-2-2	
50	2-2-2-1-2/2-2-2-2-2	
60	2-2-2-2-2/2-2-2-1-2	
70	1-2-2-1-2/2-1-2-1-2	
80	1-1-1-2-2-/1-2-2-2-2	
90	2-2-2-2-1/2-2-2-2-2	
3800	1-3-3-3-2/2-1-2-3-2	
3800-3810	3-2-2-1-1/1-2-2-2-2	
20	2-3-2-2-3/2-2-2-1-2	
30	2-2-1-1-2/2-1-2-1-2	
40	2-2-2-2-2/2-2-2-3-2	
50	3-2-2-2-2/2-2-2-2-2	

DRILLING TIME LOG: Davis Ranch "A" #1

Depth	Minutes	Remarks
3850-3860	2-3-2-2-2/2-3-2-2-2	
70	2-3-2-2-2/3-2-2-2-3	
80	2-2-2-2-3/2-3-1-2-2	
90	3-2-2-3-2/2-3-3-2-3	
3900	2-3-2-2-2/3-2-2-3-2	
3900-3910	2-3-2-2-2/3-2-3-2-2	
20	2-3-3-3-3/3-2-3-2-3	
30	3-3-3-3-3/3-4-3-3-3	
40	3-3-3-3-3/3-2-3-3-3	
50	2-3-3-3-2/3-3-3-3-4	
60	3-3-2-3-4/3-2-3-3-3	
70	4-3-3-3-3/2-3-2-2-2	
80	3-2-1-2-4/3-2-3-4-4	
90	3-2-2-4-6/5-2-2-2-2	
4000	2-2-2-1-1/4-2-1-4-4	
4000-4010	3-2-3-2-2/1-3-5-3-3	
20	3-2-2-2-3/3-2-1-1-1	
30	1-1-1-1-2/3-2-3-3-3	
40	4-2-3-4-4/4-4-4-6-6	Trip @ 4131'
50	3-2-2-3-2/3-2-2-3-2	
60	3-2-3-2-3/3-3-2-2-4	
70	2-2-1-2-2/3-2-2-3-3	
80	2-2-2-1-2/3-2-3-2-2	
90	3-3-2-1-2/1-2-2-2-2	
4100	1-1-2-1-2/2-3-1-1-2	
4100-4110	3-2-2-3-3/4-4-4-4-4	
20	5-4-3-3-3/3-3-3-3-3	
30	3-3-3-3-2/3-2-2-3-4	
40	4-5-7-6-6-/-6-6-7-7-5	
50	6-7-6-6-6/6-7-7-6-6	
60	6-5-5-6-5/6-6-5-6-4	
70	4-5-5-4-4/4-4-4-5-6	
80	6-5-6-5-6/5-9-5-6-9	
90	9-12-10-10-6/5-5-4-5-5	
4200	4-9-12-13-6/8-5-4-3-3	

DRILLING TIME LOG: Davis Ranch "A" #1

Depth	Minutes	Remarks
1' intervals		
4200-4210	3-3-3-3-3/4-4-4-4-4	
20	6-7-7-6-5/5-6-7-5-7	
30	5-4-3-3-5/3-5-5-7-7	
40	6-5-4-5-6/7-6-7-7-5	
50	5-5-4-4-4/3-4-3-4-4	
60	4-4-4-3-2/4-3-4-4-4	
70	4-4-4-3-4/5-5-6-6-8	
80	5-5-3-3-3/4-3-4-3-3	
90	4-3-3-4-2/4-3-4-5-4	
4300	4-4-4-4-5/4-3-4-2-4	Circ. @ 4300'
4300-4310	3-4-5-3-4/6-5-4-4-5	
20	7-6-8-6-8/6-4-7-6-7	
30	7-7-6-7-7/6-4-4-4-3	
40	3-2-3-3-3/5-4-5-3-3	
50	2-3-3-4-4/4-4-2-4-4	
60	3-4-4-3-4/4-5-4-3-4	
70	4-4-3-4-4/3-2-3-2-3	
80	3-2-2-1-2/1-1-1-2-3	
90	3-4-4-4-4-/4-4-4-4-4	
4400	4-3-4-6-5-7-5-7-6-7	
4400-4410	7-5-6-4-4/4-6-7-7-4	
20	7-7-8-7-7/7-6-6-6-8	
30	7-6-7-7-7/7-7-8-7-4	
40	4-4-4-4-5/5-6-6-6-5	
50	6-3-6-4-5/5-5-5-7-7	
60	6-5-5-5-4/4-6-4-4-5	
70	5-7-7-7-9/5-5-5-8-5	
80	5-5-4-7-6/5-5-6-6-5	
90	7-5-5-5-7/7-7-7-4-6	
4500	7-9-7-5-4/5-6-9-6-5	
4500-4510	5-5-5-4-4/4-4-6-6-6	
20	6-6-5-5-4/4-4-4-4-4	
30	4-4-4-6-6/7-7-7-5-7	
40	10-8-7-8-8/7-7-7-8-7	
50	10-6-7-8-7/8-7-5-7-8	
60	7-7-6-8-8/8-9-10-8-7	
70	7-8-7-8-8/8-6-6-4-7	
80	8-8-6-9-9/7-8-7-5-3	
90	4-4-3-4-6-/8-8-7-9-9	
4600	8-8-7-7-7/7-6-7-7-6	Rough @ 4583 and 4584'



DRILLING TIME LOG: Davis Ranch "A" #1

Depth	Minutes	Remarks
1" Intervals		
4600-4610	7-9-8-9-9/9-8-8-9-8	
20	8-9-8-8-9/9-9-11-8-9	
30	8-6-2-3-9-/8-8-6-3-2	
40	1-3-2-2-1/2-3-2-3-4	Circulated @ 4640 DST #1 4616-40
50	5-5-7-8-8/9-7-7-5-7	
60	7-7-4-5-5/3-2-2-2-2	
70	2-4-6-7-6/8-8-7-7-7	
80	5-7-6-7-8/8-7-7-6-7	
90	5-5-7-6-7/6-9-8-6-3	
4700	6-5-5-3-5/7-7-7-8-10	
4700-4710	7-7-9-10-8/8-10-9-7-5	
20	5-5-5-7-7-/8-9-10-10-10	
30	9-8-7-7-5/8-7-8-7-7	
40	7-7-4-4-3/5-6-8-7-9	
50	10-12-10-10-8/7-7-5-5-8	
60	8-8-8-7-8/6-7-8-8-10	
70	7-8-9-9-10/10-8-8-7-6	
80	7-6-9-7-7/9-8-9-7-11	
90	11-9-9-9-8/7-8-6-8-6	
4800	8-9-8-10-9/10-11-11-10-12	
4800-4810	13-14-14-13-19/17-16-19-22-19	Trip @ 4810'
20	8-9-11-11-11/12-10-12-11-10	
30	11-11-12-11-10/12-11-11-10-11	
40	11-8-10-5-8/4-5-3-4-5	
50	4-5-6-6-8/7-6-7-5-7	
60	5-5-4-7-6/5-6-7-6-6	
70	6-9-7-8-8/8-7-9-11-10	DST #2 4848-70'
80	11-8-10-9-10/11-11-11-10-11	
90	9-6-9-9-11/9-10-10-10-11	
4900	9-11-11-12-13/3-7-8-8-7	DST #3 4828-95'
4900-4910	6-4-7-7-7/7-5-5-6-6	
20	5-6-7-11-6/9-9-9-10-13	
30	8-9-10-8-11/10-12-10-9-8	
35	9-9-10-12-10	Circ. @ 4935' DST #4 4895-4935'

Rotary Total Depth 4935'

D & A June 23, 1970