

KANSAS

STATE CORPORATION COMMISSION  
CONSERVATION DIVISION AGENT'S REPORT

RECEIVED  
STATE CORPORATION COMMISSION  
JUL 8 1970  
CONSERVATION DIVISION  
Wichita, Kansas

J. Lewis Brock  
Administrator  
500 Insurance Building  
Wichita, Kansas 67202

Operator's Full Name Imperial Oil Co.

Complete Address 780 4th Natl Bank Bldg. Wichita, Ks

Lease Name Davis Ranch B Well No. 1

Location C NW/SE Sec. 15 Twp. 34s Rge. 15 (E) (W) W

County Barber Total Depth 4935

Abandoned Oil Well        Gas Well        Input Well        SWD Well        D & A X

Other well as hereafter indicated       

Plugging Contractor Imperial Oil Co.

Address 780 4th Natl Bldg. Wichita, Ks License No.       

Operation Completed: Hour 6:00PM Day 6 Month 7 Year 1970

The above well was plugged as follows:

900 ft of 8 5/8 surface pipe cemented with 400 sacks. Fill hole  
to 300 ft, plug, 1/2 sack hulls, 25 sacks cement. Mud to 40 ft, plug,  
1/2 sack hulls, 10 sacks cement to surface. 2 sacks cement in rat hole.

I hereby certify that the above well was plugged as herein stated.

INVOICED

DATE 7/8/70  
INV. NO. 2185-W

Signed: [Signature]  
Well Plugging Supervisor

RECEIVED  
STATE CORPORATION COMMISSION  
AUG 11 1970  
CONSERVATION DIVISION  
Wichita, Kansas

GEOLOGICAL REPORT

#1

Davis Ranch "B"  
C NW SE Section 15-34S-15W  
Barber County, Kansas

## GEOLOGICAL REPORT

Company: Imperial Oil Company  
Farm: Davis Ranch B #1  
Contractor: Imperial Oil Company, Rig #2  
Pool: Aetna

Barber County, Kansas  
C NW SE Sec. 15-34S-15W  
Elevation: 1684 K.B.  
Rotary Total Depth: 4935

Rotary Completed: 7-6-70

### Geological Data:

Samples were examined from 3700' to Rotary Total Depth. One foot drilling time was kept from 3700' to Rotary Total Depth. (Electric log information: None - Baroid Gas Detector used from 2200' to Rotary Total Depth).

### Formation Tops

Heebner	4023	(-2339)
Toronto	4035	(-2351)
Douglas Sand	4072	(-2388)
Lansing	4233	(-2549)
Cherokee Shale	4832	(-3148)
Mississippi Lime	4867	(-3178)
Mississippi Chert	4886	(-3202)
Cowley Facies	4895	(-3211)
Rotary Total Depth	4935	(-3251)

### Porosity and Shows of Oil

#### Lansing-Kansas City 4233 (-2549)

Swope Zone 4620-34 Grey to grey-buff, soft, mealy, sucrosic, semi-chalky to fossiliferous and finely oolitic limestone. Good intercrystalline, pin point and Oolitic porosity. Trace of questionable oil staining. No free oil or odor. Five unit (5) gas kick.

DST #1 4600-4630. Open 90 minutes. Weak blow throughout test. Recovered 250 feet slightly gas cut mud. ICIP 1752#/30", FCIP 1710#/30", FP's 60# - 140#.

Hertha Zone 4669-78 Grey-white, oolitic and oolitic limestone. Good oolitic porosity. No shows, wet or dry. Five unit (5) gas kick.

#### Mississippi Lime 4862 (-3178)

Brown, dense, finely crystalline limestone and much apple green shaley limestone. No visible porosity. No oil or gas shows. Fifteen unit (15) gas kick.

Mississippi Chert

4886 (-3202)

Brown to grey very dense, finely crystalline limestone and some dolomitic limestone with traces of blue-grey sharp chert, weathered and tripolitic in part. Scattered free oil staining. Poor visible porosity. No odor. Thirty unit (30) gas kick.

DST #2

4824-4900 Open 90 minutes. Strong blow decreasing to weak. Recovered 60 feet of mud. ICIP 70#/45", FCIP 586#/60", IFP 58#, FFP 58#.

Mississippi Cowley Facies

4895 (-3211)

Brown to buff, shaley, finely crystalline dolomitic limestone and some dolomite. No visible porosity and no oil or gas shows.

DST #3

4900-35 Open 60 minutes. Very weak blow, dead in 12 minutes. Recovered 15 feet of mud. ICIP 58#/30", FCIP 93#/30", IFP 46#, FFP 46#.

Rotary Total Depth 4935 (-3251).

Due to lack of reservoir development within the Mississippian Chert as indicated by sample and drill stem test analyses this well was plugged and abandoned on July 6, 1970.

Well-Site Geologists

John Roger McCoy (3700 - 4690)



Robert L. Williams, Jr. (4691 - 4935)

DRILLING TIME LOG  
 #1 Davis Ranch "B"  
 C NW SE Section 15-34S-15W  
 Barber County, Kansas

Depth	Minutes	Remarks
<u>1' intervals</u>		
3700-3710	1-2-2-2-2/2-2-2-2-1	
20	2-2-2-2-2/1-2-2-2-2	
30	2-3-2-2-2/2-2-3-3-2	
40	2-2-3-2-2/3-3-2-3-2	
50	2-3-2-3-2/3-2-3-2-3	
60	3-2-3-2-1/2-2-3-2-2	
70	3-2-3-2-3/2-2-2-2-2	
80	2-2-3-3-2/1-2-2-2-1	
90	2-2-1-1-2/1-1-1-2-1	
3800	2-1-2-2-3/3-2-3-3-3	
3800-3810	2-3-4-1-2/2-3-2-3-3	
20	3-2-2-3-2/2-1-2-3-3	
30	3-3-3-2-1/1-2-3-2-2	
40	3-3-3-1-2/2-2-2-1-3	
50	1-2-3-2-2/2-2-3-2-2	
60	2-3-3-2-2/3-3-3-2-3	
70	2-3-2-2-3/2-3-3-3-2	
80	3-2-3-2-2/2-3-2-2-2	
90	2-2-2-3-3/4-3-4-4-4	
3900	4-3-4-4-4/3-5-4-5-3	
3900-3910	4-4-4-4-3/4-4-3-4-3	
20	4-4-4-3-3-/3-3-4-2-3	
30	2-3-3-3-2/2-3-2-3-3	
40	3-4-3-4-4/2-3-4-3-4	
50	3-3-5-3-4/3-4-4-4-4	
60	5-3-4-5-3/4-6-4-3-1	
70	9-5-3-4-4/2-5-4-4-5	
80	4-4-4-5-3/2-2-3-3-2	
90	3-3-3-3-2/3-3-3-3-3	
4000	3-3-3-3-2/3-5-4-3-3	Trip @ 4000'

Drilling Time Log: #1 Davis Ranch "B"

Depth	Minutes	Remarks
1' intervals		
4000-4010	4-4-4-3-3/3-6-4-5-6	
20	5-4-3-2-3/2-1-2-5-2	
30	4-5-4-3-4/4-2-2-3-5	
40	4-3-3-3-3/5-5-2-2-2	
50	3-2-3-2-2/2-3-4-5-5	
60	5-5-4-3-2/3-4-2-3-4	
70	3-3-4-3-4/3-4-4-4-2	
80	3-2-2-1-1/1-2-1-1-1	
90	2-2-1-1-1/1-1-1-2-1	
4100	1-1-1-3-2/1-1-2-1-1	
4100-4110	1-2-1-2-1/2-2-2-3-5	
20	5-4-3-4-4/4-5-3-4-4	
30	5-4-4-4-4/5-4-3-2-2	
40	3-2-2-2-2/2-3-4-3-5	
50	5-5-5-5-5/4-5-5-4-3	
60	5-5-5-5-4/5-5-5-4-5	
70	5-5-4-3-4/5-4-4-5-3	
80	5-5-4-5-5/5-5-4-5-5	
90	4-4-4-4-4/2-3-3-3-4	
4200	2-3-3-4-5/7-4-3-4-4	
4200-4210	3-4-3-3-4/3-3-4-3-3	
20	3-3-3-3-4/3-4-3-4-3	
30	3-4-3-3-3/2-4-4-3-3	
40	4-4-4-7-6/8-6-6-5-6	
50	6-9-8-10-8/9-10-9-8-8	
60	7-5-6-6-6/10-9-10-10-12	
70	13-13-13-14-11/13-15-10-11-9	
80	9-8-7-8-8/7-7-7-5-6	
90	5-6-6- 5-5/6-5-6-4-6	
4300	5-5-6-5-9/9-12-5-6-5	Bit Trip @ 4280'
4300-4310	8-8-5-4-5/5-5-4-6-6	
20	8-7-7-7-7/7-6-5-6-7	
30	5-6-7-6-5/8-8-8-8-8	
40	8-9-8-9-11/8-10-10-9-9	
50	8-9-9-8-7/7-8-9-9-9	
60	9-7-8-9-6/5-7-4-4-5	
70	5-5-5-4-5/5-5-7-8-9	
80	9-6-6-6-5/8-11-10-8-5	
90	3-5-5-4-3/2-3-3-3-3	
4400	4-6-8-5-6/8-7-7-8-6	

Drilling Time Log: #1 Davis Ranch "B"

Depth	Minutes	Remarks
1' intervals		
4400-4410	9-8-6-6-7/8-8-8-8-8	
20	7-8-0-5-4/5-5-5-6-4	
30	6-7-6-7-8/6-8-7-7-6	
40	4-5-5-4-5/5-4-5-6-9	
50	8-8-8-9-5/9-7-7-8-7	
60	8-7-8-7-6/7-6-7-8-7	
70	8-8-8-8-8/8-7-7-7-8	
80	7-5-5-7-8/8-8-8-8-7	
90	8-7-5-4-6/6-7-9-9-8	
4500	7-8-11-10-10/8-5-6-5-5	
4500-4510	6-9-10-9-9/9-6-8-7-7	
20	9-8-6-6-6/7-8-8-10-10	
30	11-11-10-10-12/11-11-12-9-13	
40	10-10-10-10-11/11-11-10-10	
50	11-10-11-10-9/9-8-11-11-11	
60	9-9-8-9-8/9-9-8-6-6	
70	10-10-10-11-8/8-6-4-3-5	
80	6-6-7-8-6/7-9-8-5-5	
90	5-7-5-5-8/7-10-10-8-7	
4600	7-4-5-5-5/7-7-9-8-0	
4600-4610	7-8-7-6-6/11-9-6-9-10	
20	9-8-10-4-3/10-9-10-10-9	
30	4-3-3-4-3/3-3-3-4-3	DST #1 4600-4630 Circ. @ 4630'
40	3-3-3-5-6/7-9-9-10-10	
50	9-9-10-12-10/10-11-9-9-9	
60	9-7-8-4-4/3-3-6-7-9	
70	9-9-8-9-8/9-9-9-3-3	
80	2-1-1-1-1/1-1-4-8-9	Circulating @ 4680'
90	7-10-10-10-10/10-8-7-6-10	
4700	10-10-10-12-9/10-11-10-11-10	
4700-4710	11-11-11-12-10/9-8-9-9-7	
20	8-9-13-10-9/11-11-11-12-12	
30	11-10-9-9-10/10-11-11-8-9	
40	5-6-6-5-9/8-11-10-12-11	
50	11-10-11-10-11/10-10-9-10-11	
60	10-10-9-10-11/9-9-10-14-11	
70	15-12-11-12-10/11-11-12-10-11	
80	9-8-8-10-7/7-7-6-7-10	
4800	10-11-11-11-12/11-10-11-12-13	

Drilling Time Log: #1 Devis Ranch "B"

Depth	Minutes	Remarks
1' intervals		
4800-4810	9-11-11-12-11/12-13-11-12-12	
20	13-13-11-11-12/11-11-8-13-13	
30	13-10-11-11-11/12-11-10-11-11	
40	10-10-7-6-6/6-5-6-5-5	
50	7-8-8-12-10/11-10-10-10-12	
60	16-17-11-8-9/10-9-10-6-5	
70	4-4-7-8-8/9-8-9-8-8	
80	8-8-8-8-8/8-7-7-7-7	
90	6-6-7-5-8/8-5-5-5-6	
4900	6-7-7-7-7/9-8-10-9-9	DST #2 4824-4900 Circ. @4900'
4900-4910	7-8-10-10-10/9-10-9-11-9	
20	11-9-10-10-9/10-9-10-9-10	
30	9-10-10-10-9/11-8-9-8-8	
35	10-9-8-9-8	DST #3 4900-35

Rotary Total Depth 4935'