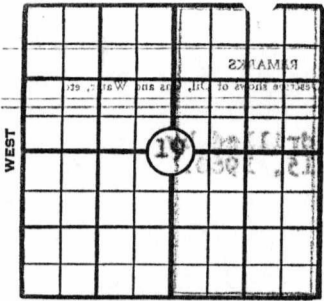


15-007-01465-000

WLOG



Originally drilled by plugged and abandoned January 1, 1960, and was

# SKELLY OIL COMPANY

WASHOUT & RE-ENTRY Well Record

Lease Name and No. **W79170** Well No. **19**

Lease Description **E/2 Section 19-34S-13W, Barber County, Kansas (320 Acres)**

Location Staked **1960** feet from **South** line **1980** feet from **East** line

Elev. K.B. **1716'**

Elev. G.L. **1706'**

Drilling Contractor **Leben Drilling, Inc.**

Work Com'd. **6/28** 19**64** Reaching Com'd. **6/28** 19**64** Reached Total Depth **6/29** 19**64**

Rotary Drilling from **Surface** to **4825'** Cable Tool Drilling from **To complete** to **4822'**

Well Completed **July 29, 1964** Total Depth **4825'** P.B.T.D. **4822'**

Initial Completion Test **July 29, 1964** **4-point test established calculated absolute open flow potential of 2,350 MCF per day**

Pressures: F.C.P. **1282'** S.I.C.P. **1282'** S.I.T.P. **1256'**

PRODUCING FROM

**MISSISSIPPI LINE** thru PERFORATIONS **4791'** **4805'** Total No. Shots **56**

FORMATION thru PERFORATIONS TOP BOTTOM

OPEN HOLE thru PERFORATIONS TOP BOTTOM

FORMATION thru PERFORATIONS TOP BOTTOM

### CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD		All Measurements were taken from top of Kelly Bushing which is Derrick Floor
			Sacks Used	Top Cem't Bh'd. Cas'g.	
Surface	<b>8-5/8"</b>	<b>395'</b>	<b>240</b>	<b>Surface</b>	Top Liner:
Intermediate					
Production					
Liner	<b>5-1/2"</b>	<b>4825'</b>	<b>150</b>	<b>4300'</b>	

Size	Wt.	Thds.	Kind	Cond.	Jts.	LEFT IN		PULLED OUT	
						LTM	WTM	LTM	WTM
<b>8-5/8"</b>	<b>7</b>								
<b>5-1/2"</b>	<b>15 1/2</b>	<b>8R</b>	<b>R2 J55 89</b>	<b>C</b>	<b>20</b>	<b>640</b>	<b>644</b>	<b>0</b>	<b>0</b>
<b>5-1/2"</b>	<b>14 1/2</b>	<b>8R</b>	<b>R2 J55 89</b>	<b>C</b>	<b>132</b>	<b>4175</b>	<b>4204</b>	<b>0</b>	<b>0</b>

**5 1/2" casing perforations open: Above PB TD: 4791'-4805'/56 holes Below PB TD: None**

### SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	TOP	BOTTOM	GAS		OIL		REMARKS
			FROM	TO	FROM	TO	
Source: Schlumberger							
Heebner Shale	<b>4029'</b>						
Lansing Lime	<b>4208'</b>						
Base Kans. City	<b>4696'</b>						
MISSISSIPPIAN	<b>4790'</b>		<b>4791'</b>	<b>4805'</b>			

### TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
<b>7/8/64</b>	<b>Acid</b>	<b>4791'-4805'</b>	<b>400 gals. 15% MCA</b>

### WORKOVER RECORD

TYPE WORK	DATE COM'D	DATE COMP.	Plugged back or Disperned		PROD. BEFORE	PROD. AFTER
			FROM	TO		

See Reverse for detail information

RECORD OF FORMATIONS		SKELLY OIL COMPANY		REMARKS	
FORMATION	TOP	BOTTOM	Indicate Casing Points,	Describe shows of Oil, Gas and Water, etc.	
This is a wash-down of the Adair No. 1 DeWitt which was drilled by Graham-Michaelis Drilling Company and abandoned January 15, 1960.					
<b>ORIGINAL HOLE</b>					
Surface rock and shale	Surf.	274			
Shale		274	355		
Red bed and shale		355	950		
Shale		950	2107		
Shale and lime		2107	2240		
Lime		2240	2472		
Shale and lime		2472	4094		
Lime		4094	4790		
Greenish-gray, slightly cherty, fine crystalline to dolomite with fair porosity, good brown staining and pale fluorescence					
Chert and shale		4808	4820		
<b>DRILL STEM TEST NO. 1</b>					
4783'-4820', open 75 mins. gas to surface in 3 mins., gas MCF in 50 mins.; 50 MCF recovered 250' slightly gas cut mud; IBHP-1800# 20 mins., 600-60#; FHP-1710/ 20 mins.					
<b>TOTAL DEPTH 4820'</b>					

CASING RECORD			
WHERE SET (Depth)	SIZE	STRINGS	REMARKS
Surface	8-1/2"	Surface	
Intermediate	6-1/2"	Intermediate	
Production	5-1/2"	Production	
Liner	5-1/2"	Liner	

**WASH-OUT AND RE-ENTRY**  
 On June 28, 1964, moved in rotary tools of Leben Drilling, Inc., and washed and drilled out old hole to 4825'.  
**TOTAL DEPTH 4825'**

FORMATION	TOP	BOTTOM	REMARKS
Schlumberger Formation Tops:			
Heebner Shale	4029'		
Lansing Lime	4208'		
Base Kansas City	4696'		
MISSISSIPPIAN	4790'		

Set 5 1/2" casing at 4825' and cemented with 150 sacks of common cement. Mixed 16 gallons of Hydrosane in mud. Finished 7:45 a.m. 7/1/64.

Shut down waiting on cement to set 12 hours, Ran Temperature Survey and found top of cement behind 5 1/2" casing at 4300'.  
 July 6, 1964, moved in cable tools of Pratt Well Service Company. Swabbed and bailed 2 hours, hole tested dry. Ran steel line measurement and found top of cement at 4822'.

**PLUGGED BACK TOTAL DEPTH 4822'**  
 Ran Lane-Wells Perforating-Formation-Cellar Chart from 4000' to 4822'.

**PERFORATION JOB NO. 1 - Mississippi Line - 4791'-4805'**  
 5 1/2" casing perforated with 4 1/2" holes per foot by Lane-Wells:  
 4791'-4805' - 14" - 56 holes  
 400 cases  
 Gas to surface in 30 minutes, too small to gauge.  
 Swabbed and bailed 1 hour through 5 1/2" casing, 51 gallons of muddy water with light scum of oil.

**TREATMENT NO. 1 - Acid - 4791'-4805'**  
 7/8/64 treated through casing by Dowell, Inc., with 400 gallons of 15% MCA acid, maximum CP-1000#, minimum CP-500#, injection rate 1/2 barrel per minute, time 22 minutes, flushed with 125 barrels of oil.  
 Swabbed through casing 5 1/2 hours, 124 barrels load oil and 3 barrels acid water, gas gauged 109 MCF per day, SI 12 hours, SI CP-960#.