

WELL PLUGGING RECORD

OR

FORMATION PLUGGING RECORD

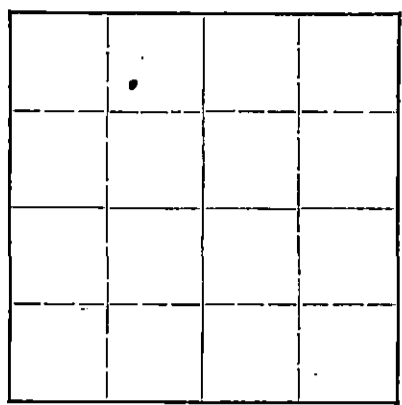
Strike out upper line when reporting plugging of formations.

STATE OF KANSAS STATE CORPORATION COMMISSION

Give All Information Completely Make Required Affidavit

Harvey County. Sec. 12 Twp. 24 S Rge. (E) 3 (W)

Location as "NE 1/4 NW 1/4 SW 1/4" or footage from lines C SW/4 NE/4 NW/4
Lease Owner Stanolind Oil & Gas Co.
Lease Name Leonard Brandenberger Well No. 1
Office Address Box 591, Tulsa, Okla.
Character of Well (completed as Oil, Gas or Dry Hole) oil
Date well completed Jan. 18 19 47
Application for plugging filed Sept. 10 19 47
Application for plugging approved Sept. 11 19 47
Plugging commenced Sept. 16 19 47
Plugging completed Sept. 25 19 47
Reason for abandonment of well or producing formation No longer productive



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production Aug. 17 19 47
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 P. B. T. D. 3880
Producing formation Viola Depth to top 3873 Bottom 3880 Total Depth of Well 4016 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Table with 7 columns: Formation, Content, From, To, Size, Put In, Pulled Out. Row 1: Viola, Oil, 3873, 3880, 13 3/8, 282, None. Row 2: 8 5/8, 871, None. Row 3: 5 1/2, 4025, 2854.

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 3880 to 3860 feet to 400 to 360 feet for each plug set.

Dumped 6 sacks cement on bottom of hole, filled from 3880' to 3860'. Filled with mud from 3860' to 400' and set bridge. Dumped 20 sacks cement, filled from 400' to 360'. Filled with mud from 360' to 40'. Dumped 10 sacks cement, filled from 40' to bottom of cellar.

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

Correspondence regarding this well should be addressed to Stanolind Oil & Gas Co. 10-21-47
Address Box 518, Zenith Kansas

STATE OF Kansas COUNTY OF Stafford, ss.
[Signature] (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.

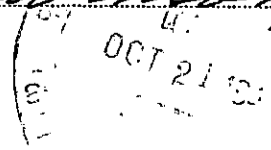
(Signature) [Signature]
Zenith, Kansas (Address)

SUBSCRIBED AND SWORN to before me this 20 day of October, 19 47
[Signature] Notary Public.

My commission expires My Commission Expires Dec. 20, 1947

PLUGGING FILE SEC 12 T 24 R 3W BOOK PAGE 137 LINE 3

21-6858-RS 2-47-6M



FORMATION RECORD

DESCRIBE EACH FORMATION DRILLED. INDICATE THICKNESS, CONTENT AND WHETHER DRY, OR OIL, GAS, OR WATER BEARING.

FORMATION	TOP	BOTTOM	FORMATION	TOP	BOTTOM
Cellar	0	8'6"	<u>Perforated Casing:</u>		
Soil & Sand	8'6"	45	W/4 shots to foot	3898	3904
Sand and Gravel	45	245	Rec. Water		
Grey Shale	245	280			
Shale and Shells	280	485	<u>Squeezed Perforations:</u>		
Anhydrite	485	535	W/50 sacks cement		
Lime	535	605			
Shale and Lime	605	660	<u>Perforated Casing:</u>		
Lime	660	690	W/14 Shots	3875	3879
Red Bed	690	695			
Shale & Shells	695	755	<u>Attempted to Acidize:</u>		
Lime	755	780	W/500 Gal 15% acid. - acid would not		
Shale, Lime & Anhydrite	780	870	enter formation.		
Sand and Shale	870	910	<u>Reperforated Casing:</u>		
Shale and lime	910	1260	W/4 shots to foot	3875	3881
Sand and shale	1260	1450			
Shale and lime	1450	2940	<u>Acidized:</u>		
Lime	2940	2990	W/2000 Gal. Acid.		
Shale and lime	2990	3250			
Shale	3250	3368	<u>Tested:</u>		
Lime	3368	3400	Swabbed 11.24 B. Water and 1 B.Oil		
Lime and shale	3400	3415	per Hour		
Lime	3415	3450	<u>Squeezed Perforations:</u>		
Lime and Chert	3450	3605	W/100 Sacks cement		
Lime	3605	3695			
Lime and chert	3695	3710	<u>Perforated Casing:</u>		
Lime	3710	3810	W/30 shots	3875	3878
Shale	3810	3873			
Lime	3873	3900	<u>Acidized:</u>		
Sand	3900	3930	W/1000 Gal. 15% Acid		
Sand and shale	3930	3970			
Sand	3970	2990	<u>2 1/2" Tubing landed @</u>		3873
Lime	3990	4016			
			<u>Tested:</u>		
Schlumberger Electric Log to T.D.			Temporary Potential taken Jan. 17th		
			and 18th. 14-hr. swabbing test.		
<u>Total Depth</u>			Total: 25 Bbls oil and 125 Bbls		
By Schlumberger		4023	water		
By Rotary Drill		4016	<u>Plugged Back Depth</u>		3880
<u>5-1/2" Casing set @:</u>		3997			
W/350 Sacks cement			<u>Completed: Jan. 18, 1947</u>		
<u>Temperature Survey</u>					
<u>Top of Cement</u>					
Outside Casing	2880				
<u>Perforated Casing:</u>					
W/4 shots to foot	3876	3881			
Rec. Water					
<u>Squeezed Perforations:</u>					
W/50 Sacks cement					