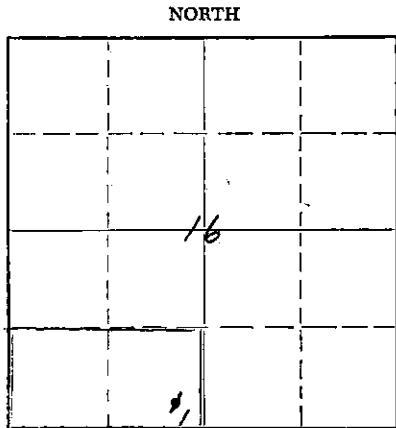


STATE OF KANSAS  
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
800 Bitting Building  
Wichita, Kansas

Stafford County. Sec. 16 Twp. 22 S Rge. (E) 12 (W)  
Location as "NE/CNW/SW" or footage from lines SE/4 SE/4 SW/4  
Lease Owner Skelly Oil Company  
Lease Name A. Spangenberg Well No. 1  
Office Address Box 1650, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Dry hole  
Date well completed January 8, 1953  
Application for plugging filed January 12, 1953  
Application for plugging approved January 12, 1953  
Plugging commenced January 9, 1953  
Plugging completed January 9, 1953  
Reason for abandonment of well or producing formation Dry hole



Locate well correctly on above  
Section Plat

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 Mr. M. A. Rives  
Producing formation Depth to top Bottom Total Depth of Well 3710 Feet  
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Arbuckle Lime	Dry	3703'	3710'	8-5/8"	536'0"	None

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 feet to feet for each plug set.

30 sacks of cement	3710' to 3620'
Wood plug	3620'
Mud laden fluid	3620' to 300'
20 sacks of cement	300' to 240'
Mud laden fluid	240' to 35'
35 sacks of cement	35' to 5'
Surface soil	5' to 0'

RECEIVED  
STATE CORPORATION COMMISSION  
JAN 20 1953

CONSERVATION DIVISION  
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Claude Wentworth Drilling Co., Inc.  
Address 910 Palace Building, Tulsa, Oklahoma

STATE OF Kansas, COUNTY OF Reno, ss.  
H. E. Wamsley (employee of owner) of County of Reno 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.

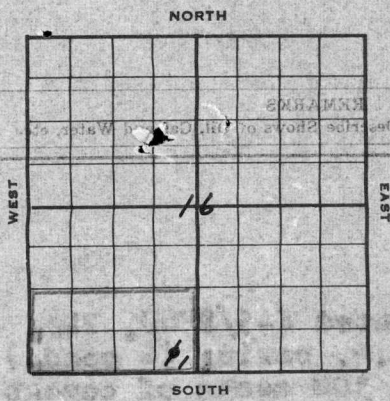
(Signature) [Signature]  
Box 391, Hutchinson, Kansas  
(Address)

SUBSCRIBED AND SWORN TO before me this 19th day of January, 1953.

My commission expires April 7, 1955

PLUGGING  
FILE SEC 16 T 22 R 12th  
BOOK PAGE 22 LINE 4

# SKELLY OIL COMPANY



## Well Record

Lease Name and No. **A. Spangenberg** Well No. **1** Elev. **1870' RB**  
**1867' DF**  
 Lease Description **8/2 3/4 Section 16-228-124,**  
**Stafford County, Kansas (80 Acres)**  
 Location made **December 20, 19 52** by **H. V. Morse**  
 feet from North line **330** feet from East line **54/4**  
 feet from South line **330** feet from West line **Sec. 16**  
 Work com'd **12/26 19 52** Rig com'd **12/26 19 52** Drlg. com'd **12/26 19 52** Drlg. comp'd **1/8 19 53**

Rig Contractor **Claude Wentworth Drilling Co., Inc.**  
 Drilling Contractor **Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma**  
 Rotary Drilling from **0'** to **3710'** Cable Tool Drilling from \_\_\_\_\_ to \_\_\_\_\_

Commenced Producing **DRY HOLE** 19 \_\_\_\_\_  
 Initial Prod. before shot or acid \_\_\_\_\_ Bbls.  
 Initial Prod. after shot or acid \_\_\_\_\_ Bbls.  
 Dry Gas Well Press \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.  
 Casing Head Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.  
 Braden Head ( \_\_\_\_\_ Size ) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.  
 Braden Head ( \_\_\_\_\_ Size ) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.

PRODUCING FORMATION **DRY HOLE** (Name) Top Bottom TOTAL DEPTH **3710'**

### CASING RECORD

OD Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
<b>8-5/8"</b>	<b>26</b>	<b>FE</b>	<b>543'</b>				<b>13</b>	<b>536</b>	<b>0</b>	<b>R3 88</b>	<b>0</b>	<b>450</b>	<b>Halliburton</b>
<b>(8-5/8" casing set 2' in collar)</b>													

Liner Set at \_\_\_\_\_ Length \_\_\_\_\_ Perforated at \_\_\_\_\_  
 Liner Set at \_\_\_\_\_ Length \_\_\_\_\_ Perforated at \_\_\_\_\_  
 Packer Set at \_\_\_\_\_ Size and Kind \_\_\_\_\_  
 Packer Set at \_\_\_\_\_ Size and Kind \_\_\_\_\_

### SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date				
Acid Used				
Size Shot				
Shot Between	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)				
Length anchor				
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

**PLUGGING**  
 FILE SEC 16 T 22 S 12 N  
 BOOK PAGE 72 LINE 4

### SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
<b>Rebner Shale</b>	<b>3164'</b>						<b>RECEIVED</b> STATE CORPORATION COMMISSION JAN 20 1953 CONSERVATION DIVISION Wichita, Kansas
<b>Toronto Lime</b>	<b>3181'</b>						
<b>Douglas Sand</b>	<b>3199'</b>						
<b>Brown Lime</b>	<b>3295'</b>						
<b>Lensing Lime</b>	<b>3315'</b>						
<b>Viola Lime</b>	<b>3584'</b>						
<b>Simpson Shale</b>	<b>3629'</b>						
<b>Arbuckle Lime</b>	<b>3703'</b>						

### CLEANING OUT RECORDS

	DATE COMMENCED	DATE COMPLETED	PROD. BEFORE	PROD. AFTER	REMARKS
1st					See Reverse for other details.
2nd					" " " " "
3rd					" " " " "
4th					" " " " "

### PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	REMARKS
1st						See Reverse for other details.
2nd						" " " " "
3rd						" " " " "
4th						" " " " "

(See Reverse for Record of Formation)

# RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil and clay	0	30	
Sand	30	95	
Shale and shells	95	250	
Red bed and shells	250	475	
Red bed	475	660	
Anhydrite	660	670	Set and cemented 8-5/8" OD, 24' P.E., R-3, S.H. casing (0 load.) at 543' with 300 sacks of cement. Cement did not circulate. Re-cemented ground top of 8-5/8" casing through 1" pipe to 75' with 150 sacks of cement. Cement circulated.
Anhydrite	670	690	
Shale and shells	690	1650	
Lime and shale	1550	1630	
Lime, shale and sand	1630	1760	
Lime and shale	1760	3440	
Buff, oolitic, fine crystalline lime	3440	3455	Slight stain
Lime	3455	3462	
Buff, slightly oolitic, fine crystalline lime	3462	3472	Very slight stain
Lime	3472	3476	San Halliburton drill stem test, packer set at 3438', open 1 hour, recovered 30' of mud, BHP-625.
Lime and shale	3476	3703	TOP VIOLET LIME 3584' TOP SIMPSON SHALE 3629' TOP ARBUCKLE LIME 3703'
Medium to coarse buff dolomite	3703	3710	Fair porosity and saturation San Halliburton drill stem test, packer set at 3704', open 30 minutes, recovered 35' of black heavy oil, 315' of dark muddy water, and 150' of clear water, BHP-1345#.
<b>TOTAL DEPTH</b>		<b>3710'</b>	

Since no commercial show of oil or gas was encountered in drilling to this total depth, regular authority was granted to plug and abandon the well. On January 9, 1953, the well was plugged as follows:

FOURTH	THIRD	SECOND	FIRST
	30 sacks of cement		3710' to 3620'
	Wood plug		3620'
	Mud laden bulk		3620' to 300'
	20 sacks of cement		300' to 240'
	Mud laden bulk		240' to 5'
	35 sacks of cement		5' to 5'
	Surface soil		5' to 0'

**PLUGGING**  
Plugged and abandoned January 9, 1953.

SLOPE TEST DATA: Tests were taken at 750', 1000', 1250', 1500', 1950', 2250', 2500', 2750', and 3000' with no deviation from vertical noted.

REMARKS	DEPTH	TEMP.	PRESS.	WATER	WIND	WAVE	SEA	SKY	MOON	STAR	PLANET

REMARKS	PROD. AFTER	PROD. BEFORE	DATE COMPLETED	DATE COMMENCED
See Reverse for other details				
" " " " " "				
" " " " " "				
" " " " " "				

REMARKS	PROD. AFTER	PROD. BEFORE	DATE COMPLETED	DATE COMMENCED
See Reverse for other details				
" " " " " "				
" " " " " "				
" " " " " "				

(See Reverse for Record of Formations)