

STATE OF KANSAS  
STATE CORPORATION COMMISSION

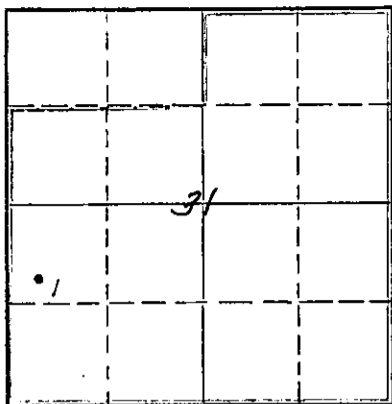
WELL PLUGGING RECORD

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

Barber County, Sec. 31 Twp. 32S Rge. 11 (E) 11 (W)

Location as "NE/CNW/SW" or footage from lines SW/4 NW/4 SW/4  
Lease Owner Skelly Oil Company  
Lease Name L. E. McClure Well No. 1  
Office Address Box 1650, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole  
Date well completed December 13, 1953  
Application for plugging filed December 14, 1953  
Application for plugging approved December 15, 1953  
Plugging commenced December 13, 1953  
Plugging completed December 13, 1953  
Reason for abandonment of well or producing formation Dry Hole

NORTH



Locate well correctly on above Section Flat

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 (verbally)

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 4870 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
Arbuckle Lime	Dry	4822'	4870'	8-5/8"	473' 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.

Mud laden fluid	4870' to 300'
Wood plug	300'
20 sacks of cement	300' to 240'
Mud laden fluid	240' to 40'
Wood plug	40'
10 sacks of cement	40' to 6'
Surface soil	6' to 0'

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

Name of Plugging Contractor Chas. Hulme Drilling Contr.  
Address Great Bend, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.  
H. E. Wamsley (employee of 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) \_\_\_\_\_  
Box 391, Hutchinson, Kansas  
(Address)

SUBSCRIBED AND SWORN TO before me this 9th day of January, 1954

My commission expires April 7, 1955 \_\_\_\_\_  
Notary Public.

**PLUGGING**  
FILE SEC 31 T 32 R 11 W  
BOOK PAGE 149 LINE 13

1-11-54



# RECORD OF FORMATIONS

FORMATION	Well Record	TOP	BOTTOM	REMARKS
Surface soil, sand and gravel		0	35	
Red bed, shells and shale		35	400	
Shale and shells		400	480	Set and cemented 5-5/8" OD, 22 1/2' arco J. steel casing (A cond.) at 450' with 300 lbs of cement, 2% aquagel, and 1% calcium chloride. Cement circulated.
Shells and shale		480	1115	
Shale		1115	1530	
Line		1530	2165	
Shale and line		2165	3403	TOP LINE 3403'
Light to porous fine grained sand		3403	3450	No stain and no odor
				San Johnston drill stem test, packer set at 3400', used 50' anchor, open 1 hour, fair blow displacing to weak blow, no gas, recovered 50' of muddy salt water, initial flow 0, final 0, SRP-1230.
Sand and lime		3450	3475	
Line and shale		3475	3510	
Shale and sand		3510	3575	
Line and shale		3575	3595	
Line		3595	3620	
Shale, lime and sand		3620	3636	
Fine grained porous sand		3636	3649	Free oil in wet samples, good porosity
Sand		3649	3655	
Fine grained, porous sand		3655	3665	Free oil in wet samples, good porosity
Sand		3665	3672	San Halliburton drill stem test, packer set at 3630', used 42' anchor, open 1 hour, very weak blow of air, dropping to 0 in 5 minutes, recovered 5' of slightly oil cut mud, initial flow 30, final flow 30, SRP-50.
Line		3672	3679	TOP LINE 3679'
Fine grained, porous sand		3679	3709	Good stain to saturation
				Free oil in wet samples
				San Halliburton drill stem test, packer set at 3672', used 37' anchor, open 1 hour, strong flow throughout test, gas to surface in 1 hour and 58 min., recovered 2070' of gas cut salt water, initial flow 94, final flow 88, SRP-1802.
				TOP LINE 3710'
Cream, fine crystalline lime		3709	3716	Excellent vuggy porosity, spotted stain to saturation
Line		3716	3732	
White, fine crystalline slightly chalky lime		3732	3741	Fair pinpoint porosity, light spotted stain
Line		3741	3742	
				San Halliburton drill stem test, packer set at 3708', used 34' anchor, open 65 minutes, gas to surface in 17 minutes, gas too small to gauge, recovered 155' of slightly oil and gas cut mud, initial flow 32, final flow 52, SRP-1402.
Line		3742	4085	
Cherty lime		4085	4103	
Line		4103	4120	
Shale and line		4120	4288	
Line		4288	4313	
White, porous chert		4313	4331	Good porosity with gas and oil in wet samples, good odor
Chert		4331	4332	San Johnston drill stem test, packer set at 4302', used 30' anchor, open 1 hour, weak blow of air throughout, recovered 70' of air throughout, initial flow 0, final flow 0, SRP-110.

Chert	4332	4382	
Shale and chert	4382	4405	
Line and chert	4405	4434	
Shale	4434	4451	
Cherty line	4451	4465	
Shale	4465	4590	
			TOP HINDERBOK SHALE 4469'
			TOP CHATTANOOGA LIME 4549'
			TOP VIOLA LIME 4583'
Line	4590	4662	TOP SIMPSON SHALE 4664'
			TOP SIMPSON SAND 4666'
Medium grained well rounded friable sand	4662	4675	Good odor and free oil in wet samples, spotted saturation to saturation in dry samples. Ran Halliburton drill stem test, packer set at 4655', used 20' anchor, open 1 hour, strong blow of gas dropping to light blow throughout test, recovered 1200' of muddy salt water, initial flow 70%, final flow 587%, SHP-1715f.
Sand	4675	4691	
Fine to medium grained tight to porous sand	4691	4720	Free oil in wet samples, good odor, spotted stain in porous sand. Ran Halliburton drill stem test, packer set at 4675', used 45' anchor, open 2 hours, air to surface immediately, weak blow of air throughout test, recovered 1350' of salt water, initial flow 4%, final flow 630%, SHP-1775f.
Sand and shale	4720	4817	
Buff, fine to medium crystalline dolomite, granular interference	4817	4830	TOP ARBUCKLE LIME 4822'
Buff, fine to medium slightly sandy dolomite	4830	4870	Slight vuggy porosity
			Slight amount of vuggy porosity. Ran Schlumberger survey.
TOTAL DEPTH		4870'	

Since all zones of probable commercial oil or gas production were tested and none found to be of economic value, regular authority was granted to plug and abandon the well.

On December 13, 1953, the well was plugged as follows:

Mud laden fluid	4870' to 300'
Mud plug	300'
20 sacks of cement	300' to 240'
Mud laden fluid	240' to 40'
Mud plug	40'
10 sacks of cement	40' to 6'
Surface soil	6' to 0'

Plugged and abandoned December 13, 1953.

DEPTH	SLOPE TEST DATA	
	ANGLE OF REFRACTION	
1000'	1/2	°
1500'	0	"
2000'	1	"
2500'	0	"
3000'	1/2	"
3250'	1/2	"
3500'	1/2	"
3800'	1/2	"
4019'	1	"
4094'	1	"
4500'	1	"

WATER ANALYSIS  
Pawhuska Research Laboratory

Sample No. 7427  
Depth Taken: 3400' to 3450'

Date Received: 12/1/53  
Date Completed: 12/3/53

Chlorides as Cl. . . . .	126,238
Chlorides as NaCl. . . . .	208,082
Sulfates as SO <sub>4</sub> . . . . .	4,038
Sulfates as CaSO <sub>4</sub> . . . . .	5,722

Sample No. 7428  
 Depth taken: 3630' to 3672'

Date Received: 12/1/53  
 Date Completed: 12/3/53

	<u>PFM</u>
Chlorides as Cl. . . . .	140,244
Chlorides as NaCl. . . . .	231,170
Sulfates as SO <sub>4</sub> . . . . .	187
Sulfates as CaSO <sub>4</sub> . . . . .	265

Sample No. 7434  
 Depth taken: 3708' to 3742'

Date Received: 12/4/53  
 Date Completed: 12/7/53

	<u>PFM</u>
Chlorides as Cl. . . . .	96,274
Chlorides as NaCl. . . . .	158,692
Sulfates as SO <sub>4</sub> . . . . .	2,979
Sulfates as CaSO <sub>4</sub> . . . . .	4,222

Sample No. 7460  
 Depth taken: 4675' to 4720'

Date Received: 12/14/53  
 Date Completed: 12/16/53

	<u>PFM</u>
Chlorides as Cl. . . . .	99,465
Chlorides as NaCl. . . . .	163,952
Sulfates as SO <sub>4</sub> . . . . .	1,240
Sulfates as CaSO <sub>4</sub> . . . . .	1,758

Sample No. 7461  
 Depth taken: 4655' to 4675'

Date Received: 12/14/53  
 Date Completed: 12/16/53

	<u>PFM</u>
Chlorides as Cl. . . . .	102,834
Chlorides as NaCl. . . . .	169,505
Sulfates as SO <sub>4</sub> . . . . .	654
Sulfates as CaSO <sub>4</sub> . . . . .	927