

STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

OR

FORMATION PLUGGING RECORD

Strike out upper line when reporting plugging of formations.

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

Rooks County. Sec. 4 Twp. 9S Rge. (E) 19 (W)

Location as "NE 1/4 NW 1/4 SW 1/4" or footage from lines. NE 1/4 SE 1/4 NW 1/4

Lease Owner Skelly Oil Company

Lease Name Frank Rostocil Well No. 4

Office Address Box 1650, Tulsa, Oklahoma

Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole

Date well completed October 22, 1948

Application for plugging filed October 22, 1948

Application for plugging approved October 25, 1948

Plugging commenced October 22, 1948

Plugging completed October 22, 1948

Reason for abandonment of well or producing formation Dry Hole

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) 3583'

Name of Conservation Agent who supervised plugging of this well M. A. Rives PB

Producing formation Dry Depth to top Bottom Total Depth of Well 3200 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
Lansing Lime	Dry	3211'		13-3/8"	191'1"	None
Conglomerate	Dry	3465'				
Arbuckle Lime	Dry	3570'				

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 3200' to 199'
 25 sacks of cement 199' to 159'
 Mud laden fluid 159' to 30'
 15 sacks of cement 30' to 6'
 Surface soil 6' to 0'

RECORDED
 1/25/49
 JAN 25 1949

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

Correspondence regarding this well should be addressed to Skelly Oil Company
Address Box 391
Hutchinson, 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)

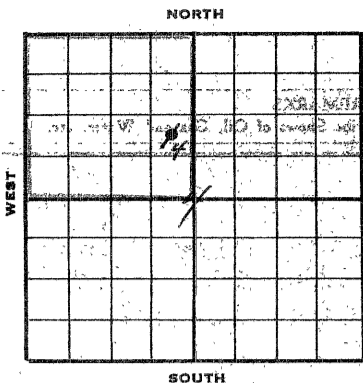
SUBSCRIBED AND SWORN to before me this 24th day of January, 1949

My commission expires April 7, 1951

Josephine L. Johnson Notary Public.

PLUGGING
 FILE SEC 4 T 9 R 19 W
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SKELLY OIL COMPANY



Well Record

Lease Name and No. Frank Russell Well No. 4 Elev. 3011
 Lease Description 1/4 Sec. 33-43-17N, 1/4 Sec 2 corner 1/4 NW/4 used for cemetery; & 1/4 Sec. 4-93-17N, Book 2 Co. 10
 Location made October 1, 19 48 by L. J. Cannon
 feet from North line 330 feet from East line 330
 feet from South line 370 feet from West line of 300.4

Work com'd. 10/2 19 48 Rig com'p'd. 10/6 19 48 Drlg. com'd. 10/6 19 48 Drlg. com'p'd. 10/18
 Rig Contractor Claude Wentworth Drilling Co.
 Drilling Contractor Claude Wentworth Drilling Co., Tulsa, Oklahoma
 Rotary Drilling from Top to 3533' Cable Tool Drilling from _____ to _____

Commenced Producing DRY HOLE 19 _____
 Initial Prod. before shot or acid _____
 Initial Prod. after shot or acid _____
 Dry Gas Well Press. _____ Volume _____
 Casing Head Gas Pressure _____ Volume _____
 Braden Head (_____ Size) Gas Pressure _____ Volume _____
 Braden Head (_____ Size) Gas Pressure _____ Volume _____

PRODUCING FORMATION DRY HOLE (Name) Top _____ Bottom _____ TOTAL DEPTH 3200

CASING RECORD

OD Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Fts.	Feet	In.	Fts.	Feet	In.			Sacks Used	Method Employed
<u>13-3/8</u>	<u>44</u>	<u>87</u>	<u>195'</u>				<u>2</u>	<u>191</u>	<u>1</u>	<u>100</u>	<u>100</u>	<u>Hollidays</u>	
<u>(13-3/8" casing not 6" in diameter)</u>													

RECEIVED
JAN 25 1949

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

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

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
<u>Hobner Shale</u>	<u>3172'</u>						
<u>Hedge Line</u>	<u>3191'</u>				<u>3194</u>	<u>3197</u>	<u>Porous and saturated</u>
<u>Landing Line</u>	<u>3211'</u>				<u>3226</u>	<u>3229</u>	<u>Good por. & saturation</u>
<u>Conglomerate</u>	<u>3465'</u>				<u>3244</u>	<u>3249</u>	<u>Good por. & saturation</u>
<u>Arbuckle Line</u>	<u>3570'</u>						

CLEANING OUT RECORDS

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

(See Reverse for Record of Formation)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil and sand	0	70	
Shale and shells	70	200	Set and cemented 1 1/4" 40, 44 1/2, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200. Armo, spiral weld, 5/16" joint steel casing at 195' with 150 sacks of cement and 6 sacks of aquagal.
Shale and shells	200	460	
Shale and shells	460	520	
Shale and shells	520	925	
Shale and sand	925	1015	
Shale and sand	1015	1470	
Shale and shells	1470	1820	
Silt	1820	1870	
Shale and shells	1870	1980	
Shale and shells	1980	2315	
Shale	2315	2460	
Shale and lime	2460	2610	
Shale	2610	2675	
Shale and lime	2675	2940	
Shale	2940	2965	
Shale	2965	3145	
Shale and lime	3145	3200	
Shale	3200	3315	TOP REVERSE LINE 3175' TOP LINE 3191' (3191'-77', porous saturated lime) TOP LAMINATED LIME 3211' (3226-29' and 3244'-29', calcareous lime, good porosity and saturation in samples) TOP CALCAREOUS 3465' TOP ARGILLINE LIME 3570' Fair porosity, no saturation

Plugged back with mud from 3315' to 3336', with 15 sacks of cement from 3336' to 3487', and from 3487' to 3553' and 55 sacks of cement and one sack of calcium chloride from 3553' to 3577'.

On October 19, conditioned hole and ran Halliburton drill stem test with packer set at 3220', open 10 minutes, and recovered 775' of salt water. Filled packer and plugged back with 25 sacks of cement and 20 pounds of calcium chloride from 3257' to 3334' S.M.; let set 8 hours and drilled cement plug to 3200'. Ran Halliburton drill stem test with packer set at 3190', open 10 minutes and recovered 50' of salt water, no oil or gas.

Since no commercial oil or gas production was encountered in drilling to 3587', regular authority was granted on October 27, to plug and abandon the well.

The well was plugged as follows:

- 25 sacks of cement
- 20 pounds of calcium chloride
- 15 sacks of cement
- Surface soil

PLUGGING

FILE SEC 4 19 R 19W

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Plugged and abandoned 10/27/40.

Tests were taken at 150' intervals from 200' to 3200' with deviation from vertical noted.

Shell Oil Company Laboratories, El Paso, Texas

Sample No. C-48-10-17 (Sample of drill stem test from 3190' to 3200')

	Grains per Million	Parts per Million	Percent by Weight
Chlorides expressed as NaCl	2721.7	27,427	2.7427
Chlorides expressed as Cl	2721.7	27,427	2.7427
Total Dissolved Solids	3484.0	37,460	3.7460
Sulfates expressed as CaSO ₄	157.0	1,628	0.1628
Sulfates expressed as SO ₄	110.8	1,177	0.1177

Sample No. C-48-10-20 (Sample of drill stem test from 3220' to 3257')

	Grains per Million	Parts per Million	Percent by Weight
Chlorides expressed as NaCl	2721.7	27,427	2.7427
Chlorides expressed as Cl	2721.7	27,427	2.7427
Total Dissolved Solids	3484.0	37,460	3.7460
Sulfates expressed as CaSO ₄	157.0	1,628	0.1628
Sulfates expressed as SO ₄	110.8	1,177	0.1177