

STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

OR

FORMATION PLUGGING RECORD

Strike out upper line when reporting plugging off formations.

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

Reno

County. Sec. 11 Twp. 23S Rge. 4 (W)

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

Lease Owner Skelly Oil Company

Lease Name Martin E. Sabin

Well No. 5

Office Address Box 740, Hutchinson, Kansas

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

Date, well completed March 27, 1935

Application for plugging filed April 24, 1934

Application for plugging approved April 26, 1934

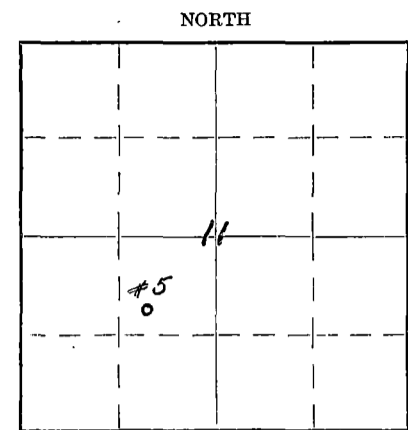
Plugging Commenced April 24, 1934

Plugging Completed April 27, 1934

Reason for abandonment of well or producing formation Depleted gas well

If a producing well is abandoned, date of last production April 23, 1934

Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Mr. Durkee

Producing formation Mississippi Lime Depth to top 3275' Bottom 3400' Total Depth of Well 3400' Feet.

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

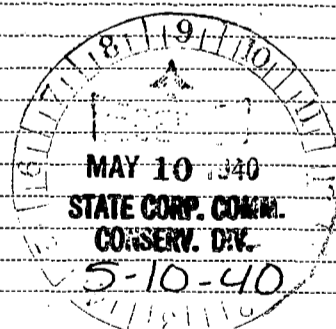
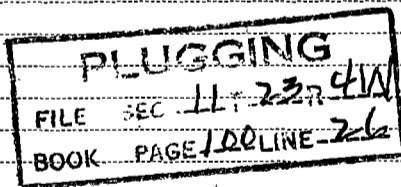
CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled Out
Mississippi Lime	Gas	3379 1/2'	3400'	16"OD	127'5"	None
				13"OD	514'6"	None
				7"OD	3596'6"	2487'4"

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.

Filled hole with mud laden fluid From 3400' to 3317'
Set wood plug at 3317'
Plugged back with 5 sacks of cement " 3317' to 3292'
Filled hole with mud laden fluid " 3292' to 1100'
Set wood plug at 1100'
Filled hole with mud and rock " 1100' to 850'
Plugged back with 35 sacks of cement " 850' to 830'

Zone above 830' to 13" casing point at 523' to be used for salt water disposal purposes.



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

Correspondence regarding this well should be addressed to Skelly Oil Company
Address Box 740, Hutchinson, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.

H. E. Wamsley (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)

Box 740, Hutchinson, Kansas (Address)

SUBSCRIBED AND SWORN to before me this 9th day of May, 1940

My commission expires June 22, 1941

Notary Public.

RECORD OF FORMATIONS

15-155-02768-0000

FORMATION	TOP	BOTTOM	REMARKS
Surface spil	0	10	
Sand	10	90	
Sand, shale and shells	90	250	Slope test showed 2½ degrees deflection at 250'.
Red bed	250	310	
Red bed and gyp	310	475	
Lime	475	510	
Lime (Broken)	510	530	
Lime	530	566	Straight reamed from surface to 543' trying to straighten (slope test showed 4½ degrees deflection at 300') to run surface casing. Run 210' of 12½" but would not go to bottom due to crooked hole. Pulled 12½" casing out, run 127' 5" of 55# 15½" casing and set and cemented with 300 sax at 140'. Cement want to 200', this was drilled out February 8th, and a new hole was drilled below 200'.
Shale, red bed and gyp	200	310	
Shale and lime shells	310	475	Slope test at 330' off 1 degree.
Sand and shale	475	531	Reamed 12½" hole to 15½" and set and cemented 12½" casing at 523' with 225 sax cement.
Shale and shells	531	600	
Gyp and lime	600	655	
Sand, coarse white	655	678	
Shale, gyp and lime	678	725	
Shale and lime shells	725	1000	
Lime	1000	1030	
Shale and lime	1030	1170	
Shale and lime shells	1170	1215	
Lime and shells	1215	1270	
Shale and shells	1270	1400	
Shale and lime shells	1400	1470	
Lime and shells	1470	1505	
Shale	1505	1885	
Lime, broken	1885	1895	
Lime	1895	1925	
Shale and lime shells	1925	1995	
Lime	1995	2080	
Broken lime and shale	2080	2105	
Shale and lime	2105	2150	
Shale and lime shells	2150	2305	
Lime	2305	2380	
Sandy shale	2380	2490	
Lime	2490	2500	
Shale	2500	2558	
Lime	2558	2765	
Lime, broken	2765	2830	
Lime	2830	2965	
Lime, broken	2965	2985	
Lime	2985	3003	
Shale	3003	3015	
Shale and shells	3015	3055	
Shale and lime shells	3055	3145	
Shale	3145	3215	
Shale and lime shells	3215	3245	
Shale (Varigated)	3245	3281	
Chat	3281	3495	Top Mississippi Lime (Chat) 3275' Show oil and gas 1st, 3310-3340' stained chert possibly gas, 2nd, 3382-3400' porous and stained dolomite probably oil and gas, 3rd, 3420-3430' porosity and saturation possible oil
Shale and lime	3495	3520	
Shale and lime shells	3520	3530	
Sandy lime	3530	3540	
Shale and lime	3540	3560	
Sandy blue chert	3560	3563	Top 1st, Hunton Lime 3560'

ENCLOSURE
 FILE NO. 11-23-4W
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Cored 3563' - 3565' - Recovered 3"
 3" recovered - blue chert and sandy crystalline lime - No saturation or porosity

Set and cemented 7" O. D. Casing at 3558' w/ 300 sax cement. While waiting on cement to set MI and RU cable tools.

Drilled out cement to 3565' - 7" casing tested OK w/ no oil or gas showing 3/12/35.

Chert, hard blue w/ 50% dense brown sandy lime	3565	3569	No saturation or porosity
Chert, hard blue w/50% dense brown sandy lime	3569	3573	No saturation or porosity
Lime, medium soft brown crystalline w/ trace of green shale	3573	3579	No shows
Lime, medium hard light brown w/ trace white chert	3579	3584	No shows
Lime, fine brown sandy, hard	3584	3591	One barrel water per hour 3588-3591'
Lime,	3591	3604	Base 1st, Hunton lime 3604'
Slate	3604	3606	Top Kinderhook shale 3604'
Shale	3606	3720	Top 2nd, Hunton lime 3720'
Lime, white cherty crystalline hard	3720	3724	
Lime, brown	3724	3734	Slightly porous, no shows, no increase in water to 3732' - Show oil 3732-3734'-
Lime, brown dolomitic and sand	3734	3738	1/2 bailer water per hour 3734-3738' -
Dolomite, light gray and sand	3738	3744	2 bailers water per hour 3738-3744'.
Lime, sandy dolomitic, hard	3744	3749	Reduced hole at 3744'.
Sand, light gray, medium hard	3749	3753	
Sand, gray and brown	3753	3761	Water increased from 3761'-3766' to
Sand, gray w/ 10% shale	3761	3771	3 bailers per hour.
Shale, medium dark green w/40% sand	3771	3775	Base 2nd, Hunton lime 3768' - Top
Shale, gray	3775	3839	Sylvian shale 3768'.
Lime, sandy	3839	3843	Base Sylvian shale 3839' - Top Viola
Lime	3843	3862	Lime 3839'.
Shale, dark	3862	3866	Base Viola lime 3864' - Top Simpson
Lime and sand	3866	3871	Shale 3864'.
Sand, gray granular	3871	3875	Top Wilcox sand 3872' - Base Simpson
			shale 3872' - Hole full of water 3872'-
			3875' .

TOTAL DEPTH-----3875'

Authority was granted and on March 20th, 1935, started rigging up to plug back and test the Chat formation between 3275' and 3400'. 6 sax cement was dumped on bottom and the hole filled up to 3565' with crushed rock and mud. 17 sax of cement was dumped at 3565' and left set until March 25th, when the hole was bailed dry. Filled hole from top of cement at 3453' to 3400' with crushed rock and sand.

PRESENT TOTAL DEPTH 3400'

After plugging back the well was shot on March 26th, with 80 quarts of nitro-glycerin between 3379 1/2' and 3400'. The shot was tamped with 350' of sand, and on March 27th, after cleaning out bridge made by the sand, gas came in and cleaned the hole. The well was left open until March 29th, to clean itself thoroughly of rotary mud and water. On March 31st, after being on test 24 hours, tested 6 bbls. oil and 68 bbls. water and gas testing 5,220,000 cubic feet. After being shut in from March 31st, to April 15th, 1935, the well tested 7,258,000 cu. ft. of gas, showing a small amount of oil and water scarcely showing, however neither water nor oil were tested at this time.

SLOPE TEST DATA

Depth	Angle of Deflection
330'	1 Degree
500'	1 "
750'	1 "
1000'	1 "
1250'	1 1/2 "
1500'	1 1/2 "
1750'	1 1/2 "
2000'	1 1/2 "
2250'	0 "
2500'	1 "
2750'	1 1/2 "
3000'	1 1/2 "
3250'	1 "
3500'	1 1/2 "

PLUGGING
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ANALYSIS OF WATER
FROM WILCOX SAND
3872° - 3875°

<u>Analysis:</u>	<u>Parts per Million</u>	<u>Grains per Gallon</u>	<u>Per cent by Weight</u>
Chlorides expressed as			
Sodium Chloride - NaCl	38697.0	2260.0	3.8687
Chloride ion - Cl	23467.0	1370.9	2.3467
Total Solids wr	39888.0	2329.5	3.9888
Sulphates expressed as			
Calcium Sulphate - CaSO4	1749.7	102.2	0.1750
Sulphate ion - SO4	1234.6	72.0	0.1247

FLUSSING
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CASING TALLY

SIZE 15 1/2"		SIZE 12 1/2"		SIZE 7" OD		SIZE		SIZE		SIZE		SIZE		SIZE	
Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	19	3	20	4	29	10	30	1							
2	20	11	20	4	29	7	29	11							
3	20	3	20	3	28	7	28	3							
4	22	3	20	0	27	6	29	6							
5	21	5	16	10	29	2	27	2							
6	22	11	21	0	29	7	29	10							
7			20	7	27	11	28	4							
8			20	10	27	7	29	11							
9			20	6	29	7	29	11							
10			20	7	28	5	28	9							
11			20	7	29	9	29	11							
12			21	1	27	9	28	10							
13			20	8	28	2	27	7							
14			20	2	27	0	31	0							
15			20	1	25	10	25	8							
16			20	2	26	9	29	1							
17			21	3	25	0	28	2							
18			19	5	20	4	29	11							
19			20	8	26	10	29	3							
20			19	8	27	9	28	0							
21			20	10	36	10	29	7							
22			21	2	14	11	29	11							
23			19	10	27	7	29	11							
24			20	3	27	8	29	0							
25			21	0	29	4	28	8							
26			6	3	27	2	29	11							
27					29	3	29	10							
28					28	5	29	11							
29					29	2	29	7							
30					24	10	29	6							
31					29	7	27	5							
32					29	10	30	7							
33					29	3	30	5							
34					29	0	29	9							
35					28	11	28	0							
36					29	5	26	0							
37					29	5	30	10							
38					28	3	29	3							
39					28	3	29	0							
40					28	3	29	10							
41					30	2	31	10							
42					28	8	30	9							
43					29	10	28	9							
44					30	0	29	3							
45					30	4	26	1							
46					31	1	30	6							
47					29	11	32	10							
48					29	3	28	11							
49					29	9	29	7							
50					30	1	32	3							
51					19	9	30	3							
52					18	8	31	6							
53					19	4	30	7							
54					18	5	32	2							
55					19	5	31	8							
56					19	7	31	4							
57					19	11	33	3							
58					18	3									
59					29	2									
60					28	0									
61					27	11									
62					28	0									
63					28	6									
64					29	7									
65					24	10									
66					27	11									
67					29	2									
68					29	8									
69					29	9									
70					27	3									
127	5	514	6	1911	4	1685	2								

NO. 22 11 23 4W
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