

15-167-30527-00.00
WELL PLUGGING RECORD

STATE OF KANSAS
STATE CORPORATION COMMISSION

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

FORMATION PLUGGING RECORD

Strike out upper line
when reporting plug-
ging of formations.

NORTH

	28		
			1/2

Locate well correctly on above
640 A. Plat

Russell County. Sec. 28 Twp. 135 Rge. (E) 14 (W) 4
 Lease Name. Ehrlich WELL NO. 4
 Lease Owner. Empire Oil & Refining Co.
 Office Address. Bartlesville, Okla.
 Character of Well (Oil, Gas or Dry) Dry Total Depth of Well 3304 Feet
 Date, well, completed August 26 1935
 Application for plugging and log of well filed 193
 Application for plugging approved 193
 Plugging Commenced November 25 1935
 Plugging Completed December 16 1935
 Reason for abandonment of well or producing formation Dry hole

If a producing well is abandoned, date of last production 193
 Was permission obtained from the Conservation Division or its agents before plugging was com-
 menced? Yes

Name of Conservation Officer who supervised plugging of this well C. S. Mc Ghee
 Producing formation Siliceous Depth to top 3298 Bottom 3304
 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
Lime & Sand	Gas	2390'	2400'	20"	19'	Left In
Siliceous Lime	Oil	3298'	2304'	15 1/2"	323'	Left In
				12 1/2"	877'	641'
				10"	2525'	2525'
				8 1/2"	3232'	2850'
				6 5/8"	87'	87'

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.

Bottom of hole cemented with 3 1/2 sacks cement, 6" wood plug set at 3298', 8"
 plug (wood) set at 3287' and 7 sacks of cement placed on top of it. Hole mudded
 back to approximately 900'. 15 1/2" wood plug set and mudded at 625'. 15 1/2" casing
 rerun and set and cemented with 200 sacks at 323'. Hole cleaned out to 549' and
 well tested as a salt water disposal well, taking 86 bbls. of water per hour with-
 out any fill up.

PLUGGING
 FILE NO. 28-13-14E
 BOOK PAGE 26 LINE 34

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

Does the above conform strictly to the Conservation Division regulations? Yes

Was exception made? No? If so describe.

Correspondence regarding this well should be addressed to Empire Oil & Refining Co. Attn. C. S. Warren
 Address El Dorado, Kansas.

STATE OF Kansas, COUNTY OF Russell, ss.

J. A. Cleaverley (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) *J. A. Cleaverley*
 Empire Oil & Ref. Co. Russell, Kans.
 (Address)

SUBSCRIBED AND SWORN to before me this 3rd day of January, 1936

My commission expires Dec. 31, 1936 *Wm. P. Reynolds* Notary Public.

WELL RECORD

Company: Empire Oil & Refining No. 4 Farm. Ehrlich
 Location: 935¹/₂' N & 330' W of SE Cor. Sec. 29 T. 13 R. 14W
 Elevation: _____ County Russell State Kansas
 Date Commenced: 6-18-35
 Date Completed: 9-1-35 Initial Production _____
 Drld. by H. Trapp T.D. 3304'

Casing Record:	Water Record:
20" 19'	235' 8 B
15 ³ / ₈ " 366' Pulled	335' HWF
12 ³ / ₈ " 877' 15' Pulled	370-75' HWF
862' left in	1280-90' 1 BWPH
10" 2465' lowered to	3045-55' 4 BWPH
2525 ¹ / ₂ ' Pulled	3087-91' 3 BWPH
8 ³ / ₈ " 3062' U.R. to 3232'	3091-3115' HWF
Cem. w/ 50 sxs.	
6 5/8" liner 87' at 3298'	

Formation:	Depth:
Shale blue	1174
Shale brown	1185
Shale blue	1210
Slate blue	1210
Salt	1525
Slate	1570
Salt	1555
Salt hard	1570
Lime	1590
Red rock	1595
Slate white	1600
Lime	1620
Dark shale and shells	1650
Broken lime	1705
Slate	1710
Lime	1730
Red rock	1750
Shale	1760
Lime (caving)	1780
Lime grey	1865
Lime	1880
Slate light	1890
Red rock	1900
Lime grey	1920
Shale blue	1925
Lime grey	1965
Red rock	1975
Lime grey	1980
Red rock	1985
Lime light	2010
Lime grey	2035
Red rock	2045
Lime	2050
Lime light	2055
Red rock	2060
Lime grey	2100
Red rock	2105
Lime	2120
Lime light (cave)	2135
Lime grey	2155
Slate blue	2165
Red rock	2180
Lime	2200
Shale blue	2207
Lime grey	2220
Lime	2225
Shale	2245

PLUGGING

FILE SEC 28 T-13 R-14W

BOOK PAGE 26 LINE 24

Formation:	Depth:
Cellar	12
Post rock white	25
Mud white	30
Shale blue	70
Slate	110
Slate and shells	130
Slate blue	155
Shale light	175
Slate white	235
Sand	240
Slate white	250
Mud yellow	270
White slate	315
Sandy lime	320
Sandy shale	340
Lime	355
Shale	360
Correction	360=367
Sand and iron	380
Iron	390
Sand & iron	425
Sand	435
Shale blue	460
Shale grey	480
Slate blue	510
Red rock	520
Lime	525
Red rock (hole caving)	535
Red rock	870
Lime	877
Lime grey	912
Shale blue	914
Red rock	1050
Slate blue	1100
Red rock	1155

<u>Formation:</u>	<u>Depth:</u>
Lime	2250
Shale brown	2265
Lime grey	2277
Shale blue	2305
Lime grey	2310
Shale dark	2320
Lime grey	2325
Shale blue	2327
Lime grey	2335
Shale blue	2360
Lime grey	2370
Shale blue	2375
Lime	2380
Shale blue	2390
Sand gas	2406
Slate blue	2415
Shale & shells	2435
Slate black	2453
Lime light	2455
Lime broken	2480
Shale blue	2515
Lime	2520
Slate black	2524
Lime	2530
Lime broken	2540
Lime light	2545
Broken lime	2555
Shale blue	2562
Lime light	2568
Shale blue	2585
Lime	2600
Shale blue	2605
Shale & shells	2650
Shale blue	2658
Lime white	2676
Shale blue	2685
Shale dark	2687
Lime light	2710
Slate dark	2715
Lime	2717
Slate dark	2725
Lime	2775
Gray lime	2795
Light lime	2820
Lime	2845
Gray lime	2855
Broken lime	2885
Lime	2955
Black break	2960
Shale blue	2970
Lime S.O. 2970-60'	2990
Red rock	2992
Black Slate	3012
Gray lime	3025
Lime	3040
Gray lime	3045
Brown lime	3055
Grey lime	3060
lime grey	3085

<u>Formation:</u>	<u>Depth:</u>
Shale blue	3085
Sandy shale	3081
Water sand	3091
Lime (S.S.O. 3091-95')	3095
White sandy lime	3115
Lime white	3125
Lime	3135
Lime white	3140
Lime dark	3145
Lime grey	3160
Lime	3175
Lime white	3180
Lime	3193
Shale blue	3195
Lime	3205
Lime white	3219
Shale blue	3227
Broken lime white	3235
Lime	3240
Shale blue	3245
Lime light	3250
Shale dark	3252
Lime	3269
Shale	3283 $\frac{1}{2}$
S.L.M. Correction	3283 $\frac{1}{2}$ =3298
Lime S.O. at 3298-3301'	3304
Free oil 3301-3304'	

Acidized w/ 1000 gals. Sept. 4, 1935
 Acidized w/ 2000 gals. Sept. 12, 1935
 Acidized w/ 4000 gals. Sept. 20, 1935