

MAGNOLIA PETROLEUM COMPANY

Free Steckel Well #4
 Center SW SW NE
 Section 1-26S-11W
 Barton County, Kansas.

Drilling commenced - January 21, 1936
 Drilling Completed - February 18, 1936

Plugging started Nov. 13, 1947
 Plugging completed Nov. 24, 1947.

12 1/2" Surface casing @ 200' w/225 sacks cement
 7" casing @ 3285' w/250 sacks cement

Elevation - 1760' DF

FORMATION

Surface soil	0	8
Sand	8	40
Shale & shells	40	200
12 1/2" Surface casing @ 200' w/225 sacks		
Red bed	200	470
Shale & shells	470	980
Salt	980	1130
Shale & shells	1130	1380
Lime & shale	1380	1495
Lime	1495	1567
Shale & lime	1567	1688
Shale	1688	1700
Lime	1700	1847
Shale & shells	1847	1960
Shale	1960	2000
Lime	2000	2053
Lime & shale	2053	2165
Shale & shells	2165	2388
Lime	2388	2570
Shale & lime	2570	2615
Lime	2615	2635
Broken lime	2635	2650
Hard lime	2650	2744
Lime	2744	2925
Shale & lime	2925	3076
Shale & shells	3076	3112
Lime	3112	3137
Lime & shale	3137	3225
Lime	3225	3263
Shale	3263	3280
Lime	3280	3285
7" Casing @ 3285' w/250 sacks		
Top Arbuckle	3285	3319
Total Depth		3319

PLUGGING RECORD: Work done by Rice County Plugging Company
 Lyons, Kansas.

Filled hole from 3319' to 3258' w/rock and gravel; cemented w/5 sacks cement @ 3258'; shot and pulled 2378' of 7" casing; filled hole with heavy mud from 3258' to 200'; cemented w/20 sacks of cement @ 200'; filled with heavy mud to base of cellar; cemented base of cellar w/20 sacks cement.

Work done by Rice County Plugging Company
 Work started October 6, 1947
 Work completed October 27, 1947
 Filled hole from 3319' to 3165' w/rock and gravel, 20 sacks cement per hour.
 Pulled back from 3165' to 3172' w/24 sacks cement shipped by Mobilization, net 15' run.
 Filled hole from 3172' to 3180' w/24 sacks cement shipped by Mobilization, net 15' run.
 Pulled back from 3180' to 3187' w/24 sacks cement shipped by Mobilization, net 15' run.
 Filled hole from 3187' to 3195' w/24 sacks cement shipped by Mobilization, net 15' run.
 Pulled back from 3195' to 3202' w/24 sacks cement shipped by Mobilization, net 15' run.
 Filled hole from 3202' to 3210' w/24 sacks cement shipped by Mobilization, net 15' run.
 Pulled back from 3210' to 3217' w/24 sacks cement shipped by Mobilization, net 15' run.
 Filled hole from 3217' to 3225' w/24 sacks cement shipped by Mobilization, net 15' run.
 Pulled back from 3225' to 3232' w/24 sacks cement shipped by Mobilization, net 15' run.
 Filled hole from 3232' to 3240' w/24 sacks cement shipped by Mobilization, net 15' run.
 Pulled back from 3240' to 3247' w/24 sacks cement shipped by Mobilization, net 15' run.
 Filled hole from 3247' to 3255' w/24 sacks cement shipped by Mobilization, net 15' run.
 Pulled back from 3255' to 3262' w/24 sacks cement shipped by Mobilization, net 15' run.
 Filled hole from 3262' to 3270' w/24 sacks cement shipped by Mobilization, net 15' run.
 Pulled back from 3270' to 3277' w/24 sacks cement shipped by Mobilization, net 15' run.
 Filled hole from 3277' to 3285' w/24 sacks cement shipped by Mobilization, net 15' run.
 Total 15' run.

PLUGGING
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MAGNOLIA PETROLEUM COMPANY

Free Steckel Well #4
Center SW SW NE
Section 1-2oS-11W
Barton County, Kansas.

Drilling commenced - January 21, 1936
Drilling Completed - February 16, 1936

Plugging started Nov. 13, 1947
Plugging completed Nov. 24, 1947.

12½" Surface casing @ 200' w/225 sacks cement
7" casing @ 3285' w/250 sacks cement

Elevation - 1760' DF

FORMATION

Surface soil	0	8
Sand	8	40
Shale & shells	40	200
12½" Surface casing @ 200' w/225 sacks		
Red bed	200	470
Shale & shells	470	980
Salt	980	1130
Shale & shells	1130	1380
Lime & shale	1380	1495
Lime	1495	1567
Shale & lime	1567	1688
Shale	1688	1700
Lime	1700	1847
Shale & shells	1847	1960
Shale	1960	2000
Lime	2000	2053
Lime & shale	2053	2165
Shale & shells	2165	2388
Lime	2388	2570
Shale & lime	2570	2615
Lime	2615	2635
Broken lime	2635	2650
Hard lime	2650	2744
Lime	2744	2925
Shale & lime	2925	3076
Shale & shells	3076	3112
Lime	3112	3137
Lime & shale	3137	3225
Lime	3225	3263
Shale	3263	3280
Lime	3280	3285
7" Casing @ 3285' w/250 sacks:		
Top Arbuckle	3285	3319
Total Depth		3319

PLUGGING RECORD: Work done by Rice County Pulling Company
Lyons, Kansas.

Filled hole from 3319' to 3258' w/rock and gravel; cemented w/5 sacks cement @ 3258'; shot and pulled 2378' of 7" casing; filled hole with heavy mud from 3258' to 200'; cemented w/20 sacks of cement @ 200'; filled with heavy mud to base of cellar; cemented base of cellar w/20 sacks cement.

DRILLING DEEPER RECORD: By Crown Drilling Company

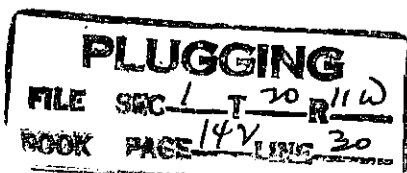
Work started October 6, 1947

Work completed October 22, 1947

Drilled deeper from 3319' OTD to 3365' and tested, 20 bbls water per hour.

Plugged back from 3365' to 3271' w/24 sacks cement dumped by Halliburton, set 48 Hrs.

Ran Lane Wells Gamma Ray 2800' to 3269' and perforated 7" 3141 to 3145 w/12 shots, dry; 3145 to 3154 w/23 shots, dry; 3102 to 3111 w/23 shots, dry; 3113 to 3122 w/23 shots, dry; 3131 to 3140 w/23 shots, dry 3230 to 3239 w/23 shots, dry. Bailed & tested 8 hrs 1 gal water and no oil per hour. Acidized w/4000/gals acid, tested 24 hrs, 2 gals oil & 7 gals water per hour.



DEC 6 - 1947