

SCHAFFER, I. A.

The Joy was rigged up and 286' of 9 5/8" hole was drilled. 286' of 7" O.D. casing was set and cemented before starting a 6 1/4" hole.

3	Soil	3
10	Sand Rock	13
12	Shale	25
2	Lime	27
129	Shale (sandy)	156
30	Shale	186
109	Lime	295
4	Shale	299
68	Lime	367
16	Shale	383
23	Lime	406
22	Shale	428
24	Lime	452
72	Shale	524
91	Lime	615
17	Shale	632
68	Lime	700
103	Shale	803
8	Lime	811
21	Shale	832
2	Lime	834
109	Shale	943
21	Lime	964
28	Shale	992
13	Lime	1,005
7	Shale	1,012
8	Lime	1,020
12	Shale	1,032
2	Lime	1,034
56	Shale	1,090
2	Lime	1,092
121	Shale	1,213

Coring was started at	1,213
Top of Sand	1,228.5
Bottom of sand	1,240
Coring was stopped at	1,256

The core hole was reamed with 6 1/4" bit from 1,213 to 1,256'.

4 1/2" O.D. 9.5 # seamless casing was then run to bottom with collars at 1115.06, 1147.37, 1180.25, 1210.20 and 1243.0 ft. There are stabilizers at 1147' at 1180' and at 1243'.

The frac unit then pumped 60 sacks of cement preceded by 2 sacks of aquagel down the casing followed by a rubber plug which went to 1290 ft.

Feb. 2' to 12, 1959

A 72 Star was rigged up on this well to swab the water out and put in 500 gals. of diesel before having Go Oil Well Services run a gamma ray log from 1248' to 250'. Go then perforated the 4" pipe with 11 14-gram shots from 1229' to 1239'.

On the same day (Feb. 14), our frac unit was used to break the formation. 5 bbls. of ETA thickened acid were pumped in to break the formation at 1300 lbs. 4000 lbs. of sand in 30 bbls. of ETA thickened acid was then pumped in at pressures ranging around 600 lbs. The well was flushed with 70 bbls. of lease crude, which went in at pressures ranging around 700 lbs. The well closed in at 250 lbs. A SIM before the fracturing showed a T.D. of 1250 ft. In the next two days 75 bbls. of fluid were swabbed out of the well. The third day 25 bbls. was recovered. On the 4th day the well had filled up 500 ft. overnight but no sand came in so 2" tubing was run with a seating nipple on bottom at 1221 ft. A top hold down rod pump (H&F) was then run.

Feb. 14 to 19, 1959