

3720 to 3900 ft. sand and streaks of shale.

3900 ft. to 4040 ft. coarse sandy shale.

4040 ft. to 4120 ft. conglomerate pebble sand and shale.

4120 ft. to 4380 ft. sandy shale with streaks of red tough red clay near 4300 ft. with some oil showings.

4380 ft. to 4420 ft. streaks of red bed with fine sand in the form of sandy shale.

4420 ft. to 4500 ft. encountered lime broken and fractured. Took core, core showed plenty of saturation, so did ditch and mud pit. This was a 10-5/8's hole to this point, went back into hole and lost drill collar. Ran overshot twice, but was unable to get over drill collar, as it had pushed back into the wall. Due to the oil showings from the lime - 7 inch casing weight 30 pound was run and cemented using 700 sacks of cement so as to bring the cement back up behind the pipe to above the 2700 ft. level where the best oil showings had been encountered with the idea of gun perforating around the 2700 ft. level in case the lime did not prove productive. The Halliburton Company who cemented failed to get the cement out of the casing leaving 2300 ft. of cement inside to be drilled out. There has been three or four jobs of cementing by the Halliburton Company in this area. It is my belief on any future cement jobs by the Halliburton Company that an experienced cement man from a different Company should be present, so as to help direct the cementing. And by all means the measuring line which follows the plug should be used so as to make certain that the plug is left in place where ever desired.

When the cement was drilled out of the casing below the shoe 5 or 6 ft., the hole was baled, a sand bridge heaved up into the casing to around 3000 ft. Plenty of oil and gas was evidenced during the baling. The showings were so good from the baling after the sand bridge was cleaned out by circulating back to bottom a 4 1/2 inch perforated liner was run into the hole and cemented projecting back up into the 7 inch casing approximately 60 This was cemented using a baffle plate mis-measurements was made on the cement due to the fact that the cementing was done through 2-7/8's drill pipe and a plug could not be used and the cement was not left behind the liner, as planned, therefore the cement job was bungled again. At this point a whip stock was set a window was cut through the 7 inch casing at the top of the liner at approximately 4400 ft. and a 6 inch hole was drilled to approximately 6009 ft. encountering the following formations:

4500 ft to 4700 ft. loose runny sand with streaks of shale.

4700 ft. to 4990 ft. sand and streaks of red bed.

4990 ft. to 5103 ft. blue shale.

5103 ft. to 5141 sandy shale.

5141 ft. to 5144 ft. adjusted crossheads. Approximately 3 ft. made

5144 ft. to 5158 ft. trouble getting on bottom, formation sandy shale.