

Repair on Libby Well #2

Results of work done in the period from July 21, 1954 to August 19, 1954

All Rig work which was a (Walker Neer) cable tool, contractor Cox Drilling Co. of Borger, Texas, Mr. Bob Cox Manager. All pumping of test plugs and cementing was done by Halliburton Oil Well Cementing Co. from Texhoma, Oklahoma in charge of Mr. C. R. Roach and Mr. Thomas.

Opened well and found water 100 feet from surface inside the 5½ inch casing.

Set a Cal seal plug at 1905 feet for sealing off gas and testing casing, first test plug was stoped at 105 feet, squeezing 150 sacks of cement into this leak with a maximum of 200 pounds pressure. Leaving cement set for 36 hours, drilled out cement and plug.

The following squeeze jobs were done after above mentioned job:

DEPTH	AMOUNT OF CEMENT	SQUEEZE PRESSURE
350 ft.	35 sacks	300 lbs.
350 ft.	25 sacks	300 lbs.
205 ft.	35 sacks	350 lbs.
188 to 190 ft.	35 sacks	350 lbs.
255 ft.	27 sacks	350 lbs.
190 ft.	20 sacks	350 lbs.

At this point it seemed an endless job of squeezing cement into the leaks in the casing. It was decided to run another production string inside the 5½ inch casing.

1910 feet of 3½ inch OD, second hand production string was run inside of the 5½ inch casing, cemented from bottom to top circulating 150 sacks of cement, got full circulation.

After above work was done the well was drilled clear of plugs and cleaned out until CO² gas started to clean well on its own by pressuring up and blowing down.

The well has attained pressure of 460 pounds.

Drilling was done in the period from July 21, 1954 to August 12, 1954.

All the work was done by the Texas Oil & Gas Co., Houston, Texas, under the supervision of Mr. J. B. Smith, District Manager. The drilling was done by the Texas Oil & Gas Co., Houston, Texas, under the supervision of Mr. J. B. Smith, District Manager.

The well was drilled to a depth of 100 feet from surface inside the 24 inch casing.

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The following table shows the logs after above mentioned logs.

DEPTH	AMOUNT OF CEMENT	LOGGING RESULTS
100 ft.	25 sacks	100 ft.
100 ft.	25 sacks	100 ft.
100 ft.	25 sacks	100 ft.
100 ft.	25 sacks	100 ft.
100 ft.	25 sacks	100 ft.
100 ft.	25 sacks	100 ft.
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