

JOHN L. KELLY BURTON FEDERAL #1

The well was originally drilled to a depth of 5105 with rotary tools. A cable tool rig was moved on hole July 31, 1957 to drill pay. On August 5, 1957 at a depth of 5174 we had drilled approximately 34' of the Granberry zone the well was potentialized by swab test for 48 FO/4 hrs..

After starting to drill again a 4 5/8" cable tool bit was lost in hole at 5174. In the process of fishing this bit out another string of cable tools were lost in hole consisting of: a cable tool swedge, long stroke fishing jars, stem, and rope socket. The top of the tools were at 5082'. After several efforts were made to fish the tools with the cable tool rig, the cable tool rig was moved off and a rotary was skidded over the hole.

On August 18, 1957 the rotary was skidded over the hole and wash over operations commenced. After 3 days of filling with washover pipe without progress the decision was made to whipstock around the tools.

Whipstock #1 was set at 5040 and a window was cut in the 5 1/2" casing from 5031-5043'. A 4 3/4" hole was drilled, outside the 5 1/2" casing, to a depth of 5076 where the drill bit ran back into the outside of the 5 1/2" casing. This indicated that we had failed to get the proper "kick" off our whipstock.

Whipstock #2 was set at 4982 and a window was cut in the 5 1/2" from 4970-4982'. A 4 3/4" hole was drilled outside the 5 1/2", in dense dolomite to 5007 when we again drilled into the outside of the 5 1/2" pipe. An open hole whipstock was set at 5007 and a 4 3/4" hole w/3° deviation was drilled to 5020 when a reamer and bit twisted off.

In the process of fishing out the reamer and bit, whipstock #2 at 4982 was accidentally pulled.

A 4 5/8" mill was then run down to whipstock #1 and through the window from 5031-5043 into the 4 3/4" hole to 5076. A 4 5/8" hole was milled down beside the 5 1/2" pipe making efforts to get a kick away from the pipe into the dense dolomite formation. At a depth of 5092' we had reached a vertical deviation of 1 1/2° which indicated that we were away from the pipe drilling formation. At 5122 our vertical deviation was 2°. A 4 1/2" hole was drilled from 5122 to 5220 total depth. Vertical deviations were as follows: 5138-2 1/4°; 5162-2 3/4°; 5220-3°.

The well was tubed to 5216 and acidized with 13,000 gals. Special Low Tension acid. After all acid load was recovered the well was placed on pump. The first 24 hrs. on September 13, 1957 the well pumped 130 BO+15 BB.

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