Item 13 - Completion Procedure
Pioneer Federal Com No. 1
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08/04/91 SD for weekend.

08/05/91 SD for weekand.

- SITP = 0 psig. Released pkr. POCH Laydown Guiberson HDCH pkr. RU Wedge Wireline w/full lubricator (lubricator shop tested @ 5000 psig). Closed blind rams on top BOP. Pressure tested lubricator @ 3500 psig. Held OK. WIH w/Guiberson tbg etrievable RBP on wireline. Ran strip log to get on depth f/7450'-7200'. Set RBP @ 9200'. POOH. WIH w/3 1/2" dump bailer on W/L. Dumped 2 sx sand on top of RBP (21' fill). POOH. RD Wedge Wireline. WIH w/Howco 4 1/2" EXSV cmt retainer on 2 3/8" N-80 tbg. Set retainer @ 8855'. Stung out of retainer. Loaded hole w/10# brine. Stung in retainer. Secured well & SDFN.
- 08/07/91 SITP = 250 psig. Bled well down. Rotate tool to close valve. Attempted to test tbg. Pumping in perfs @ 1 1/2 BPM @ 1100 psig. Stung out of recainer. Dropped ball. Pressured backside @ 1000 psig. Tested tog @ 3500 psig. Held OK. Released pressures. Reversed out ball. Stung into retainer. Established inj rate @ 3 BPM @ 1900 psig. Stung out of retainer. Mixed & sported 100 sx cmt. Stung into retainer, trapped 1000 psig on backside. Squeezed perfs 8952-60' w/50 sx "H" premium cmt w/.4% Halad-9 followed by 50 sx "H" Neat. Staged in 7 bbls "H" Neat in 1/2 bbl stages. Had final squeeze pressure of 3600 psig. Released pressure. Stung out of retainer. Reverse circ tbg, circ 4 bbls cmt to pit (74 sx cmt in formation). RD Howco. POOH, laying down 50 jts 2 3/8" tbg. RIH w/20 stds 2 3/8" tog out of derrick. Landed tbg in csg hd on solid donut. Backed out landing jt, lay down. Shut top BOP blind rams. RD snubbing unit. ND Hydril, top BOP, accumulator lines. RU floor, tongs. PU tbg sub, screw into donut. Pick up, lay down donut. Installed safety valve. Secured well & SDFN.
- 08/08/91 SITP 0 psig. POOH w/tbg, lay down Howco setting tool. Test blind rams @ 300 psig & 1000 psig. Held OK. WIH w/3 3/4" bit, 6-3 1/8" DC's on 2 3/8" N-80 tbg tallying in. Tagged TOC @ 8854'. Test pipe rams @ 300 & 1000 psig. Held OK. RU power swivel. Drl'd cmt to retainer @ 8858'. Drl'd 3 hrs on retainer & drl'd hard cmt to 8885'. Circ hole clean w/10# brine. Secured well. SDFN.