

FEDERAL "SB" #1
RE-ENTRY & COMPLETION PROCEDURE
LEA COUNTY, NEW MEXICO

Well Data:

TD: 13,689', KB: 24.5', Elev: 3650'. Casing: 5-1/2" 17 & 20 #/ft set @ 13,688', cmt'd w/1800 sx Lite, tailed w/780 sx Class "H". Morrow perforated 13,326'-13,341' w/4 SPF.

Well was P & A'd in 3/83 as follows:

- 1) Set CIBP @ 10,750', capped w/35 sx cmt (TOC @ \pm 10,395'). Spotted 126 bbls 10# brine w/25# gel/bbl.
- 2) Spotted 25 sx Class "C" cmt @ 5057' (TOC @ \pm 4804'). Spotted 96 bbls 10# brine w/25# gel/bbl.
- 3) Perforated 5-1/2" csg @ 450' w/4 SPF. Pumped 150 sx cmt, circulated cmt to surface leaving csg full to surface w/ cmt.

Procedure:

1. Dig out cellar & weld on 5-1/2" casing stub.
2. MIRU PU. NU 3000 psi BOP's. RU reverse unit.
3. PU 4-3/4" bit & 4 - 3-1/2" DC's on 2-7/8" 6.5 #/ft N-80 tbg.
4. Drill cement out to \pm 450'.
5. Pressure-test csg to 2000 psi.
6. RIH & tag cement @ \pm 4804'. Drill cmt out to \pm 5057'.
7. Continue in hole to 9050'. Circulate hole clean w/2% KCl water.
8. Pressure-test csg to 2000 psi. POOH w/bit & DC's on tbg.
9. RU Gearhart. Pressure csg to 1000 psi. Run GR-CBL-CCL log w/ X-Y signature from PBDT to 5500'. (Correlate to Schlumberger FDC/CNL dated 3-30-79.)
10. RIH w/4" csg gun w/premium charges & perforate the Bone Springs sand w/1 SPF @ the following depths: 8809', 8812', 8815', 8818', 8821', 8824', 8827', 8830', 8833', 8836', 8876', 8879', 8882', 8885', 8888' (15 holes total).
11. RIH w/SN, 5-1/2" treating pkr, & RBP on 2-7/8" tbg to \pm 8920', Set RBP, PU 5' & set pkr. Pressure-test pkr & RBP to 3500 psi.

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