

ATTACHMENT FOR STATE CY #1, C-103 form.

TD 11,375 PBTD 9235'.

1. MIRU pulling unit. Kill well 2% KCl water. NU BOP & POOH w/2-7/8" tbg & Lok-Set pkr.
2. GIH w/EZ drill SV squeeze retainer on 2-7/8" tbg & set at approximately 9100'. Test tbg & annulus to 3000#. Establish injection rate of 2-3 B/M & squeeze Wolfcamp perms 9133' - 9167' (total of 68 holes) w/250 sx Class H w/0.6% Halad-9. Reverse out excess cmt & POOH.
3. RIH w/4-5/8" RB & DC's on 2-7/8" tbg & drill out retainer & cmt to CIBP @ 9235'. Test squeeze to 2000#. Drill out CIBP & RIH to 11,332' PBTD. Test csg to 2000#. CHC. Spot 150 gallons 10% Acetic acid 11,200' - 11,300'. POOH.
4. Perforate lower Morrow 2 SPF using 4" deep penetrating csg gun (0.48" hole w/19.39" concrete penetration) at each of the following intervals: 11,200', 11,204', 11,214', 11,215', 11,276', 11,280', 11,285', 11,287', 11,293', & 11,295'. GIH w/2-3/8" EUE muleshoed tbg sub, BFC Model F 1.81" ID profile nipple, 2-3/8" EUE tbg sub, 2-3/8" x 2-7/8" X-over sub, 6' mill our extension, and pkr on wireline & set pkr at 11,150'.
5. RIH w/anchor seal assembly, 2-3/8" x 2-7/8" X-over sub, 1 jt 2-7/8" tbg and quick flow nipple on 2-7/8" tbg. Latch into Model DB in 10 pts tension. Load annulus with 2% KCl water.
6. Drop bar to rupture disc. Test well natural.
7. If necessary, acidize perforations (11,200' - 11,295'). Recover load & retest.
8. Set 1.81" blanking plug in profile nipple & test tbg & plug to 2000#. Unlatch seal assembly from Model DB pkr & spot 150 gallons 10% Acetic acid from 11,050' - 11,100' and 10,800' - 10,900'. POOH.
9. RIH w/2-7/8" muleshoed tbg sub & Lok-Set pkr on 2-7/8" tbg & set pkr at 10,775' in 12 pts compression. Swab tbg down to 5000'. Perforate upper Morrow 2 SPF using Welex 2" sidewinder SSB thru-tbg perforating gun (0.32" hole w/10.37" concrete penetration) at each of the following intervals: 10,824', 10,825', 10,832', 10,866', 10,867', 10,868', 10,869', 10,870', 10,873', & 10,874'.
10. POOH w/2" gun & open to pit & Test natural.
11. If necessary, acidize perforations (10,824' - 10,874'). Recover load & retest.
12. If further stimulation is needed, frac perforations (10,824' - 10,874'). Recover load & retest.
13. If upper & lower Morrow zones are both commercial, pull blanking plug in Model DB pkr at 11,150' & commingle all Morrow perforations. Wash ball sealers off of plug.
14. Shut well in to obtain 72 hr BHP & run 4-point test.