

3. RIH w/ 2-7/8 WS, 5½ RDG PKR & New RBP. Set RBP at 4240. Test to 2000#. POH w/ tbg & PKR.
4. CRC perf set IV 3932-42; 4009-14; 4078-84; 4111-17 & 4194-4200 w/ 1 JSPF 38 holes w/ 4" DML DJ XXIII CG, 23 GC, .43 EH by SCHLM CNFD (4-21-82) (Equals 3930-40; 4007-12; 4077-83; 4109-15 & 4192-98 on CRC collar log.)
5. RIH w/ 2-7/8 tbg & rdg pkr. Spot lbb1 acid* 4200-4158. Raise & set pkr 4135'. Trap 250# press if possible, watch for communication.
6. HOWCO acdz perfs 4194-4200, 7 holes w/ 700 gals 7½ PCT NEFEHCL* & 10 -7/8 RCNBS evenly spaced thruout. Pump at 5 BPM. Flush to BTM perf w/ 2 PCT KCL.
7. SWAB back load & acid wtr. Eval fluid content & rate.
8. Rlse pkr, latch onto RBP, raise & set RBP at 4150+ Test to 2000#.
9. Spot 1 bbl acid*, 4117-4075. Raise & set pkr 4045'. Trap 250# press if possible. watch for communication.
10. HOWCO acdz perfs 4078-84 & 4111-17 14 holes w/ 1500 gals 7½ PCT NEFEHCL* & 20-7-8 RCNBS evenly spaced thruout. Pump at 5 BPM. Flush to BTM perfs w/ 2 PCT KCL.
11. Swab back load & acid wtr, eval fluid content & rate.
12. Rlse pkr, latch onto RBP, raise & set RBP 4045+ Test to 2000#.
13. Spot ½ bbl acid* 4014-3993. Raise & set pkr at 3970+. Trap 250# press if possible. Watch for communication.
14. HOWCO acdz perfs 4009-14, 6 holes w/ 700 gals 7½ PCT NEFEHCL and 9 - 7/8 RCNBS evenly spaced thruout. Pump at 5 BPM, flush to BTM perf w/ 2 PCT KCL.
15. Swab back load & acid wtr. Eval fluid content & rate.
16. Rlse pkr, latch onto RBP. Raise & set RBP at 3970+ Test to 2000#.
17. Spot 1 bbl acid* 3942-3900. Raise & set pkr at 3850+ Trap 500# on annulus.
18. HOWCO acdz perfs 3932-42 11 holes w/ 1000 gals 7½ PCT NEFEHCL* & 15 -7/8 RCNBS evenly spaced thruout. Pump at 5 BPM. Flush to BTM perf w/ 2 PCT KCL.
19. Swab back load & acid wtr. Eval fluid content & rate.
20. Rlse pkr, latch onto RBP, Lower & set RBP at 4240+ Test to 3000# POH w/ tbg & PKR
21. RIH w/ 2-7/8" Tbg open ended w/ SN & N-80 SUB on top to 3800'. Bell run base GR-Temp log.
22. ~~HOWCO~~ frac perfs 3932-4200 w/ 95,000 gals versagel- 1400** and 157,500# 20/40 SD down tbg & csg, Pump at 50-55 BPM as follows: MAX TP 3500 psi, Bell to tag sand w/ RA matl.
 - A. Pump 5,000 gals Versagel-1200 Pre Pad***
 - B. Pump 30,000 gals Versagel-1400 Pad
 - C. Pump 5,000 gals versagel-1400 w/ 1.0 PPG 20/40 SD
 - D. Pump 15,000 Gals versagel-1400 w/ 2.0 PPG 20/40 SD
 - E. Pump 25,000 Gals Versagel-1400 w/ 2.5 PPG 20/40 SD
 - F. Pump 20,000 Gals Versagel-1400 w/ 3.0 PPG 20/40 SD
 - G. Flush to BTM perf w/ 2 PCT KCL wtr.
 - H. Bell run after frac GR-Temp log w/ mimimum 1 hr. decay
 - I. Shut-in overnight.
23. Flow & swab back load. Eval fluid content & rate.
24. Load tbg w/ 2 PCT KCL & POH w/ 2-7/8 tbg. RIH w/ tbg & retrieving head. CIRC SD off RBP
25. Latch onto RBP. POH & Lay down 2-7/8 WS.
26. RIH w/ OSTSD & Otis type XA sliding sleeve (in open position) on 2-3/8 J-55 tbg.
27. Space out & latch onto Permalach pkr at 4506'. (sliding sleeve to be set at 4350+)
28. Otis WL set collar stop at 4320'. (or 1 JT above sliding sleeve)
29. Swab & flow back well to clean up well. Obtain 1 pt flow test.
30. Retrieve collar stop, close sliding sleeve. Retrieve blanking plug.
31. Flow to clean up BTM perfs, set collar stop above sliding sleeve if swabbing is necessary.
32. Retrieve collar stop, shut-in well until sales line is tied in.

Additives/1000 gals 7½ PCT ACID ADDITIVES/1000 GALS FRAC FLUID
ADDITIVES/1000 GALS PRE PAD