

WORKOVER PROCEDURE  
FED. COM. 7 #2  
WEST TONTO FIELD  
Sec. 7, T-19, R-33E  
Lea County, New Mexico

1. Bleed down and load tubing with 10 ppg brine.
2. Make gauge run and set Otis "PN" plug in N nipple at 13,150'. Test to 5000 psi.
3. Move in workover rig.
4. Set back pressure valve, remove tree, reset hanger in head. Install choke spool with kill line and choke line, one set pipe rams, one set blind rams. Test to 5000 psi.
5. Pick up out of packer with tubing and reverse out.
6. Set 50' cement plug on top of packer and POOH.
7. Run gauge ring and junk basket on wireline to 12,200'.
8. GIH with RTTS, testing tubing to 6500 psi. Set at 12,150'  $\pm$  (space out and set tree).
9. Swab down to 9,000'  $\pm$ . Perf 12,318' - 12,327' ~~CNL-FDG~~ with 2 SPF. Flow and evaluate Strawn Sand. (Possibly will acidize).
10. If unsuccessful, squeeze perf and leave 100' of cement in casing.
11. Release RTTS pickup 3 stands and reverse out. PU to 10,700 and WOC 6 hours. Test cement plug with 500 psi.
12. Set RTTS at 10,700'  $\pm$  and perf thru tubing 10,810-12 with 4 shots.
13. Squeeze with 200 sx Class "H" cement with 3/4% CFR-2, .2% HR-4 and 3#/sx KCL. Leave  $\pm$  50 sx in casing.
14. Reverse and POH with RTTS.
15. GIH with bit. Drill cement. Test squeeze perf to 2000 psi. POOH.
16. Run gauge ring and junk basket. Set "WB" packer at 10,820'. (Extension to provide 16' seals).
17. Run tubing and seal assembly testing to 6500 psi.
18. Sting into packer and hang tubing in head. Remove BOP's and install tree.

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19. Swab down to 8,000'. Perf with 2-1/8" tubing gun. \*10,892 - 10,917 with 2 holes/ft. Test well. Go to step 20 if needed.
20. Acidize with 1000 gals. MOD 202 acid to clean perforations. Evaluate production and/or necessity of larger acid treatment.

All depths are CBL-GR log depths.

\*After testing, additional perforations may be added.  
(10,870-10,877 and 10,927-10,948).