

## PLUGGING PROCEDURE

SAND DUNES FEDERAL #28-1  
SECTION 28-T23S-R31-E  
EDDY COUNTY, NEW MEXICO

1. MIRU service unit.
2. Blow down tubing to pit.
3. Kill well with 100 bbl. 10#/gal. brine via tubing.
4. ND tree. NU BOP's on 7" casing head.
5. Release packer at 13411'. Reverse circulate with 150 bbls. 10#/gal. brine.
6. POOH with tubing and packer. LD BHA.
7. RU wireline unit. Set a CIBP at 13,500' and cap with 50' cement via dump bailer (estimated 4 sacks).
8. RIH with tubing.
9. Spot 200' cement plug from 11421' - 11621' to cover 4-1/2" liner top (estimated 25 sacks).
10. Displace casing and tubing with 9.6#/gal. - 10#/gal mud - estimated volume is 575 barrels.
11. POOH with tubing.
12. ND BOP's (on 7" casing head) and NU BOP's on 11" casing head.
13. Rig up wireline unit. Run free point and cut off 7" 29#/ft. P-110 LTC casing. Estimated cut point is 6000'.
14. POOH and lay down 7" casing.
15. RIH with tubing.
16. Spot 200' cement plug from 5090' - 6100' to cover casing cut point. Tag top of cement. Estimated 64 sacks.
17. Spot 150' cement plug from 5044' - 4894' to cover Cherry Canyon formation in open hole. Estimated 102 sacks. Tag cement top if hole appears taking fluid.
18. Spot 100' cement plug from 4195' - 4295' to cover 9-5/8" casing shoe. Tag top of cement. Estimated 105 sacks.
19. Spot 110' cement plug from 3685' - 3575' (in 9-5/8") to cover top of salt section. Estimated 41 sacks.
20. Spot 50' cement plug from 50' to surface. Estimated 19 sacks.
21. POOH with tubing.
22. ND BOP's.
23. RDMO service unit.
24. Cut off casing 3' below ground level. Install dry hole marker (4" diameter, 4' tall).
25. Fill in cellar. Reclaim location and reserve pit.
26. Transport well equipment to CNG designated yard.