

PLUG AND ABANDON WORK PROCEDURE

David Pasken-----MERLAND "23" NO. 1-----Eddy Co., N. M.

1. Move in and rig up deep well servicing unit.
2. Install B.O.P.'s.
3. Kill well with 10#/gal. brine or produced salt water.
4. Release packer, pull tubing and stand in derrick.
5. Set 4 1/2" C.I.B.P. at 9450'.
6. Spot 35' cement on top of bridge plug with dump bailer.
7. Run 2-3/8" tubing to 9400' and displace brine out of well with mud laden fluid.
8. Pull tubing and stand in derrick.
9. Set hydraulic jacks over well head.
10. Remove tubing head and weld on 4 1/2" pick-up nipple.
11. Locate free point of 4 1/2" casing (top of cement at 7400', joint strength 162,000 lbs., therefore limit maximum pull to 138,000 lbs. or 85%).
12. Cut casing with wireline cutter at casing free point. Jack casing until free.
13. Repeat step 12 at higher point or points if casing is not free.
14. Pull and lay down 4 1/2" casing - dope threads and install thread protectors.
15. Run tubing in hole and spot plugs as follows:

4 1/2" pipe stub	50' in & 50' out	35 szs.
6400'-6300'	100' plug	35 szs.
4900'-4800'	100' plug	35 szs.
3400'-3200'	200' plug	70 szs.
2700'-2600'	100' plug	35 szs.
2550'-2450'	100' plug	35 szs.
Top 3-5/8"	surface plug	10 szs.
	Total	255 szs.
16. Lay down tubing, dope threads, and install protectors.
17. Remove well head and install dry hole marker.
18. Rig down casing pulling equipment and pulling unit.
19. Clean up pits and location.