

PLUG AND ABANDON WORK PROCEDURE

A.F.E. NO. 158

David Fasken-----Arco "B" Federal No. 1-----Eddy Co., N. M.

1. Move in and rig up deep well servicing unit.
2. Blow down well.
3. Release packer, pull tubing and stand in derrick.
4. Set 5 1/2" C.I.B.P. at 7050 ft.
5. Spot 35' cement on top of bridge plug with dump bailer.
6. Run 2-3/8" tubing to 7000' and displace fluid out of well with mud laden fluid (25 sxs. Zoogel with 100 bbls. of 0.5# gal. brine or approximately 175 bbls. required).
7. Pull tubing and stand in derrick.
8. Set hydraulic jacks over well head.
9. Remove tubing head and weld on 5 1/2" pick-up nipple.
10. Locate free point of 5 1/2" casing (top of cement at 5950' with anticipated free point at 5800'). Joint strength is 172,000 lbs., therefore limit maximum pull to 145,000 lbs. or 85%.
11. Cut casing with wireline cutter at casing free point - jack casing until free.
12. Repeat step 11 at higher point or points until casing is free.
13. Pull and lay down 5 1/2" casing, dope threads and install thread protectors.
14. Run tubing in hole and spot plugs as follows:

5 1/2" pipe stub	50' in & 50' out	35 sxs.
4300'-4400'	100' plug	35 sxs.
3100'-3200'	100' plug	35 sxs.
2250'-2350'	100' plug	35 sxs.
3-5/8" sizes 2-1140'	100' plug	35 sxs.
Top of 3-5/8" & 15-5/8"	surface plug	10 sxs.

Total 185 sxs.

15. Lay down tubing, dope threads and install thread protectors.
16. Rig down casing pulling equipment and pulling unit.
17. Remove well head and install dry hole marker.
18. Clean up pits and location.
19. Disconnect all tanks, pumps, and surface equipment.
20. Haul emulsion treater, pumps, connections, and miscellaneous equipment to Fasken Warehouse.
21. Prepare tanks for moving when required.

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