

USA 1-17 JC

Plugging Procedure

1. Move in and rig up service unit.
2. Install blow out preventer.
3. Excavate 8 5/8" surface casinghead and monitor during operations.
4. Release packer and pull out of hole with tubing and packer.
5. Set cement retainer at 6700'. Sting into retainer and establish injection rate and pressure.
6. Pump 25 sacks (5 bbls) of cement. Squeeze 4 bbls slurry below retainer, sting out of retainer and leave 1 bbl of cement on top of retainer.
7. Pull tubing to 6500' and reverse circulate tubing capacity.
8. Pressure test 4 1/2" casing to 500 psig. POOH laying down tubing. Leave 2200' of tubing in derrick.
9. Set CIBP at 2200'. Perforate casing 2183' to 2185' with 4 spf.
10. Trip in hole with tubing to 2190'. Pump a 15 sack (3 bbls) balanced plug. Pull tubing to 1890'. Shut in 4 1/2" casing, pump down tubing and squeeze 2 bbls of cement through perforations leaving 1 bbl of cement inside 4 1/2". Reverse circulate tubing capacity. Shut in well and WOC.
11. POOH laying down tubing. Set CIBP at 260'. Perforate casing 250' to 252' with 4 spf.
12. Trip in hole with 60' of tubing. Close 4 1/2" casing valve and open 8 5/8" surface casing valve. Establish circulation down 4 1/2" and out 8 5/8". Calculated volume is 15 bbls.
13. Mix and pump sufficient cement (estimate 75 sacks) to bring cement to surface out 4 1/2" X 8 5/8" annulus. Displace cement in tubing with 1 bbl of water. POOH. Shut in well and WOC.
14. Tag cement top inside 4 1/2". Lay down tubing. Excavate around wellhead 6' below grade.
15. Cut off casing 4' below grade. If cement has fallen back in annulus, run a hose down annulus a maximum of 50' and cement back to surface. Set a 10 sack top plug inside 4 1/2".
16. Weld plate on casing stub with the following information:

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USA 1-17 JC
C-12645
SW/NW Sec. 7
T9S R98W