

30-015-28469

H E WEST B #090

Eddy County, NM

K-09-17S-31E 2570 FSL 1356 FWL

30-015-28469

1/18/12

Project Scope: Plug and Abandon the wellbore

Non Routine Equipment Needs:

Class "C" Cement

Bit/Scraper for 5-1/2" 15.5# Casing

CIBP for 5-1/2" 15.5# Casing

Mud Laden fluid – Minimum of 9 ppg (mixed at 25 sx per 100 barrels of water)

Procedure:

1. Test anchors prior to rigging up
2. MIRU plugging rig
3. Check casing and tubing pressures
4. Bleed off pressure and kill well as necessary.
5. NUBOP
6. TOOH with rods and tubing and lay down.
 - There is no record of what rods or tubing are left in hole. There may be a kill string in the hole or a full string of rods and tubing.
7. PU bit and scraper and TIH to 3130' to ensure that the wellbore is clear to run a CIBP.
8. TOOH and LD bit/scraper.
9. **(Set CIBP)** TIH and set CIBP inside of 5-1/2" casing @ 3110'.
10. PU work string and TIH to spot plug 1.
11. **(PLUG 1)** Spot 25 sx of Class "C" cement on top of CIBP @ 3110' (estimated TOC will be at 2863') WOC 4 hrs and tag no lower than 2979'.
12. Circulate the hole with mud laden fluid.
13. **(PLUG 2)** Spot 25 sx of Class "C" cement at 1660' (estimated TOC will be @ 1413'). WOC 4 hours and tag no lower than 1543'.
14. **(Plug 3)** Spot 25 sx of Class "C" cement at 700' (estimated TOC will be @ 453') WOC and tag no lower than 517'. This plug is to cover the top of the salt and the base of the surface casing shoe.

Contact Information:

David Gonzales – Asset Engineer
Cell – 832-350-6334
Office – 281-840-4055

Ron Ragland - Foreman
Cell – 575-942-8675

15. **(Plug 4)** Spot cement from 60' to surface. Estimated volume to fill 5-1/2" casing is 6 sx (8.052 cu ft, or 1.4 BBL). Ensure that cement is adequately displaced inside of the 5-1/2" casing.
16. Cut off the wellhead, verify that cement is to surface on inside/outside of casing strings and cap off as needed.
17. Install a dry hole marker.
18. RD P&A rig.
19. Clean location and schedule the inspection of the location.

Contact Information:

David Gonzales – Asset Engineer
Cell – 832-350-6334
Office – 281-840-4055

Ron Ragland - Foreman
Cell – 575-942-8675