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### PLUG and ABANDONMENT PROCEDURE

#### MAYER 35-34

#### Description

1. Provide 48 hour notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Notify Automation Removal Group at least 24 hours prior to rig move. Request they catch and remove plunger, isolate production equipment, and remove any automation prior to rig MIRU.
2. MIRU Slickline. Pull production equipment and tag bottom. Record tag depth in Open Wells. Directional Survey was run on 06/18/08. RDMO Slickline.
3. Prepare location for base beam equipped rig. Install perimeter fence as needed.
4. Verify COAs before RU.
5. Upon RU, check and record bradenhead pressure. If bradenhead valve is not accessible, re-plumb so that valve is above GL. Blow down bradenhead and re-check pressure the next day. Repeat until pressure stays at 0 psi.
6. MIRU WO rig. Spot a min of 25 jts of 2-3/8" 4.7#, J-55, EUE tbg. Kill well as necessary using biocide treated fresh water. ND WH. NU BOP. Unland tbg using unlanding joint and LD.
7. TOOH and SB 7240' 2-3/8" tbg. LD any remainder.
8. MIRU WL. PU and RIH with (5-1/2", 17#) gauge ring to 7250'. POOH.
9. PU and RIH with (5-1/2", 17#) CIBP and set at +/- 7240' (collars at 7214' & 7259'). POOH. RDMO WL.
10. TIH with 2-3/8" tbg to 7240'
11. Load hole with biocide treated fresh water and circulate all gas out of well. PT CIBP to 1000psi for 15 minutes.
12. MIRU Cementers. Pump Niobrara Balance Plug: Pump 40 sx (11 bbl or 62 cf), assuming 15.8 ppg & 1.53 cf/sk. Volume based on 400' inside 5-1/2", 17# production casing with no excess. Cement will be from 7240'-6840'. RD Cementers.
13. Slowly pull out of the cement and TOOH. Reverse circulate using biocide treated fresh water to ensure the tubing is clean. TOOH, SB 1345' 2-3/8" tbg. LD remaining tbg.
14. MIRU WL. PU and RIH with (5-1/2", 17#) CIBP and set at +/- 4270' (collars at 4264' & 4308'). POOH. RIH and dump 2 sx cement on CIBP. POOH.
15. TIH with 2-3/8" tubing to 1345'.
16. Establish circulation to surface with biocide treated fresh water. Contact engineering if evidence of gas migration persists.
17. RU Cementers. Pump Stub Plug: 60 sx (16.1 bbl or 90 cf) , assuming 15.8 ppg & 1.5 cf/sk. Volume is based on 1345' in 5-1/2", 17# production casing with no excess, and -660' in the 8-5/8", 24# surface casing with no excess. The plug is designed to cover 1345'-660'. RDMO Cementers.
18. Slowly pull out of the cement and TOOH to 100'. Reverse circulate using biocide treated fresh water to ensure the tubing is clean. TOOH, LD all 2-3/8" tbg.

19. MIRU WL. Tag cement as needed. After tagging top of cement, and verifying appropriate coverage above the surface casing shoe, pressure test surface casing to 500 psi and hold for 15 minutes.
20. RIH 5-1/2", 17# CIBP to 80'. RDMO WL and WO rig.
21. Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hours of completion of the job.
22. Supervisor submit paper copies of all invoices, logs, and reports to VWP Engineering Specialist.
23. Excavation crew to notify One Call to clear excavation area around wellhead and for flow lines.
24. Capping crew will set and secure night cap on 5-1/2", 17# casing head, restrain the casing head, pressure test CIBP to 500 psi with hydrotest pump, then remove night cap and casing head restraints.
25. Excavate hole around surface casing enough to allow welder to cut casing a minimum 5' below ground level.
26. Welder cut casing minimum 5' below ground level.
27. Fill production and surface casing to surface using 4500 psi compressive strength cement (NO gravel).
28. Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
29. Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
30. Properly abandon flow lines per Rule 1103. File electronic Form 42 once abandonment is complete.
31. Back fill hole with fill. Clean location, and level.
32. Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.