

Magness P 26-10 API 05-123-15218

1. Call foreman or lead operator at least 24 hr prior to rig move. Request that they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.
2. Gyro ordered 12/7/2013. If not completed MIRU slickline services and VES. Pull bumper spring, tag bottom and run gyro survey from 7900' to surface with stops every 100'. Forward gyro survey data to Sabrina Frantz and invoices to Sabrina Frantz. RDMO slickline services and VES.
3. Provide notice of MIRU to COGCC field inspector as specified in approved form 6.
4. Notify IOC when rig mobilizes to location to generate workorder for flowline removal and one call for line locates.
5. Prepare location for base beam equipped rig
6. MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP with 1-1/4" pipe rams. Unseat tubing hanger, LD.
7. Notify cementers to be on call. Provide volumes (75 sx "G" w/ 20% silica flour, .4%CD-32, 0.4% ASA-301 and R-3 to achieve 3:00 pump time, 15.8 ppg and 1.38 cuft/sk. 600 sx class G w/0.25 pps celloflake, 0.4% CD-32, 0.4% ASA-301 15.8ppg 1.15 yield (12"+20%), 500 sx Type III w/ .25 pps celloflake and CaCl2 cement 1.53 yield (10"+20%)).
8. Roll hole using water containing biocide.
9. TOOH 1.66" production tubing. Stand back.
10. MIRU WL. RIH gauge ring for 2-7/8" 6.5#/ft csg to 7300'.
11. RIH CIBP, set at 7280'. PT CIBP to 3000 psi. RD WL.
12. TIH w/ 1.66" tbg, pressure test to 3000 psi to 7280'
13. RU WL. PU CCL and 1-2' 2" 8 spf 60* phase 18.7" penetration 0.23" EHD perforating gun. RIH to 6690', shoot squeeze holes at 6690', no CCL available. RD WL.
14. RU cement services.
15. Spot 75 sx "G" w/ 20% silica flour, .4%CD-32, 0.4% ASA-301 and R-3 to achieve 3:00 pump time, 15.8 ppg and 1.38 cuft/sk followed by wiper plug for 2-7/8" 6.5#/ft tubing. Displace plug to 6290'. Apply enough pressure to hold wiper plug at 6290'. WOC overnight. RD cement services.
16. WOC overnight.
17. TIH w/ 1.66" tbg to 6300'+/-. Tag plug. If below 6300', discuss with production engineer.
18. Spot 9.0 ppg mud containing biocide from tag to 4950'. TOOH
19. RU WL. PU CCL and 1-2' 2" 8 spf 60* phase 18.7" penetration 0.23" EHD perforating gun. RIH to 4950', shoot squeeze holes at 4950' or closest to using CCL for correlation between collars. RD WL.
20. RU cement services. Pump 5 BBL water, 20 BBL sodium metasilicate, 5 BBL water preflush followed by 600 sx class G w/ 0.25 pps celloflake, 0.4% CD-32, 0.4% ASA-301 15.8ppg 1.15 yield (12"+20%) followed by wiper plug for 2-7/8" 6.5#/ft tubing. Displace plug to 4150'. Apply enough pressure to hold wiper plug at 3988'. WOC overnight. RD cement services.
21. TIH to 3988' +/- Tag plug. If below 3988', discuss with production engineer.
22. Spot 9.0 ppg mud containing biocide from tag to 1000'. TOOH
23. RU WL. Crack coupling or cut casing (2-7/8" 6.5#/ft) at 1000'. RD WL.
24. Circulate hole using water containing biocide at 1.5x hole volume to remove any gas.

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25. NDBOP, NDTH.
26. NU BOP on casing head, install 2-7/8" pipe rams.
27. TOO H with 2-7/8" tubing, LD. Changeover to 1.66" pipe rams.
28. TIH using 1.66" production tubing to 1000'.
29. RU cement services. Spot 500 sx Type III CaCl₂ cement with 1.53 ft³/sk yield (9"+20%) from 1000' to 100'. RD cementers
30. PUH to 100', circulate using water containing biocide to clear tubing 1.5x hole volume. WOC 4 hrs.
31. TIH to 200'+/-. Tag plug, if below 100', discuss with production engineer. If above 200', RDMO cementers.
32. Spot 9.0 ppg mud containing biocide from tag to 100'.
33. RU WL. PU and RIH 8-5/8" CIBP to 100'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
34. Supervisor submit paper copies of all invoices, logs, and reports to Frantz, Sabrina.
35. Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
36. Place Redi Mix cement on will call if cement top in 8 5/8" is more than 25' below surface.
37. Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.
38. Welder cut 8 5/8" casing minimum 5' below ground level.
39. MIRU redimix. Use 4500psi compressive strength cement, (NO gravel) fill stubout.
40. Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 ¼ descriptor) and API number
41. Properly abandon flowlines per Rule 1103.
42. Back fill hole with fill. Clean location, level.
43. Submit Form 6 to COGCC ensuring to provide "As performed" WBD identifying operations completed.