

## DECHANT FARMS 15-36 (HSR)

1. Gyro ran on 01/16/2012 from 6100' to surface with stops every 100'.
2. Call Foreman or Lead Operator at least 24 hr prior to rig move. Request that they catch and remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.
3. Provide notice of MIRU to COGCC field inspector as specified in approved Form 6.
4. Notify CDC when rig moves on location to generate workorder for flowline removal and one call for line locates.
5. Prepare location for base beam rig.
6. MIRU WO rig. Kill well using water and biocide. ND wellhead. NU BOP.
7. PUH w/ tbg to break any sand bridges, noting not to exceed the safety tensile load of 2-3/8", 4.7# tbg of 57,3847 lbs. (80% of upset joint yield strength).
8. TOOH with 2-3/8" tbg and stand back.
9. MIRU WL. RIH with Junk Basket/Gauge Ring on WL to  $\pm$  7870' (last tag 11/20/10 @ 7874'). TOOH with Junk Basket/Gauge Ring.
10. PU and RIH with CIBP for 4-1/2", 11.6#, I-70 production casing. Set CIBP at 7490' (60' above JS perfs).POOH. (Do not pressure test CIBP, CN & SX perfs above). Dump 2 sx of cement on CIBP.
11. PU and RIH with CIBP for 4-1/2", 11.6#, I-70 production casing. Set CIBP at 6786' (60' above CN perfs).POOH. (Do not Pressure test CIBP, SX perfs above). Dump 2 sx of cement on CIBP.
12. PU and RIH with CCL and 3-1/8" perf gun and perforate casing at 6480' (20' above current TOC) with 3 spf, 0.38" EHD, 33.65" penetration, 120 deg phasing, 1' net, 3 shot total. RDMO WL.
13. PU and TIH with 4.5" CICR and setting tool on 2-3/8" tubing to set CICR at 6430' in 4-1/2" casing. Hydrotest while RIH. Set CICR and establish injection.
14. MIRU cementing services. Pump 75 sx of cement ( Class G w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 mixed at 15.8 ppg and 1.38 cuft/sk). Sting out of retainer and dump 2 sx cement on top of retainer. P & SB tubing for next depth (4500'), LD remainder. Circulate wellbore with drilling mud. Stand by cementer.
15. MIRU WL. PU and RIH with CCL and 3-1/8" perf gun and perforate casing at 4150' with 3 spf, 0.38" EHD, 33.65" penetration, 120 deg phasing, 1' net, 3 shot total. RDMO WL.
16. PU and TIH with 4.5" CICR and setting tool on 2-3/8" tubing to set CICR at 3980' in 4-1/2" casing. Set CICR and establish injection.
17. MIRU cementing services. . Once pumping rate has been established, pump 5 bbl water, 20 bbl Sodium Metasilicate, 5 bbl water ahead of cement. Pump 200 sx of cement ("G" w/ 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301) from 4150' to 3980'. Sting out of retainer and dump 2 sx cement on top of retainer. Note returns during cement job in OpenWells report. Stand by cementer.
18. RU WL contractor. TIH with jet cutter and cut casing at the "closest joint" to 893' (200' below bottom of Surface casing). RDMO WL.
19. ND BOP & tbg head.
20. NU BOP w/ 4-1/2" pipe rams on the 8-5/8" csg head.

21. PU csg. Circulate wellbore with drilling mud. TOOH and LD 4-1/2" csg. If unable to pull production csg contact engineer/COGCC for plugging modification.
22. TIH with tbg open ended to land EOT 100' below production casing stub at 993'.
23. MIRU cementer. Spot 300 sx of cement (Type III w/ CaCl<sub>2</sub>) from 100' below the 4-1/2" sub to at least 100' inside the surface casing. TOOH w/ tubing and stand back 600' tbg in derick. RDMO Cementer.
24. WOC 4 hours or overnight.
25. TIH with tbg and tag cement plug. Record tagging plug in Openwells report.
26. RU WL. Set 8-5/8" CIBP above cement top at approximately 100'. Pressure test CIBP to 1000 psi for 15 min.
27. RDMO WO rig.
28. Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to Sabrina Frantz.
29. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Sabrina Frantz.
30. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
31. Check top of cement inside 8-5/8" surface casing. If cement is not of sufficient height (less than 25' below ground level), place redi-mix cementer on will call.
32. Excavate hole around surface casing of sufficient size and depth to allow welder to cut off 8-5/8" surface casing at least 5' below ground level.
33. Have welder cut off 8-5/8" surface casing at least 5' below ground level.
34. MIRU ready cement mixer. Fill the last 100' inside the 8-5/8" surface casing. Use 4,500 psi compressive strength redi-mix cement (sand and cement only, no gravel) to finish filling surface casing to top of cut off.
35. Have welder spot weld on steel marker plate. (Note: marker shall be labeled with well name and number, legal location (¼ ¼ description) and API number.
36. Properly abandon flowlines as per Rule 1103.
37. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.
38. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.