

TREZISE PORTIA UNIT 1A

1. Check with Kurt Weaver 970-590-6274 to make sure gyro has been run.
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. MI 160 JTs of 2-3/8" tbg to pump cement through. Well has 1-1/4" tbg.
6. Prepare location for base beam rig.
7. MIRU WO rig. Kill well using water and biocide. ND wellhead. NU BOP.
8. PUH w/ tbg to break any sand bridges, noting not to exceed the safety tensile load of 1-1/4"(1.660 OD), 2.30# tbg of 29,416 lbs. (80% of upset joint yield strength 36,770 lbs).
9. TOO H with 1-1/4" tbg (1.660 OD) and stand back.
10. MIRU WL. RIH with Junk Basket/Gauge Ring on WL to 7700' in 2-7/8" liner (NOTE top of fish @ 7777'). TOO H with Junk Basket/Gauge Ring.
11. PU and RIH with CIBP for 2-7/8" N-80 liner. Set CIBP at 7700' (top of fish @ 7777'). POOH. Pressure test to 1000 psi for 15 min.
12. RU cementer. TIH (Hydrotest tbg as TIH) w/ 1-1/4" tbg and circulate 76 sx cement 1.38 cuft/sx (0.00579 bbl/lft) (50/50 poz Class G w/ 20% Silica four, 0.4% CD-32, 0.4% ASA-301 and R-3 mixed at 15.8 ppg) to set a balanced plug @ 4482'-7700' (note: 2-7/8" liner top @ 4482'). Circulate wellbore with drilling mud containing biocide. MO cementer.
13. Run CBL from 4300' to surface. Forward copy to A.Leila.Shahryari@anadarko.com . (Note: 1) if TOC is deeper than 4271' do not proceed with procedure and contact Evans engineer. Also, 2) if existing cement any different than @ 420-820 do not proceed with procedure and contact Evans engineer.) MO WL.
14. TOO H with 1-1/4" tbg and LD.
15. RU cementer. TIH (Hydrotest tbg as TIH) w/ 2-3/8" tbg and circulate 20 sx cement 1.15 cuft/sx (0.0155 bbl/lft) (Neat G) to set a balanced plug @ 4270'-4844' (note: 2-7/8" liner top @ 4482'). Circulate wellbore with drilling mud containing biocide. RDMO cementer.
16. RU WL. PU and RIH with CCL and 2 x 3-1/8" perf guns and perforate casing at 1240' (100' below base of Fox Hills) with 3 spf, 0.38" EHD, 33.65" penetration, 120 deg phasing, 1' net, 3 shot total.
17. PUH and perf casing at 825' (5' below existing Cement from 420'-820') with 3 spf, 0.5" EHD, >6.0" penetration, 120 deg phasing, 1' net, 3 shot total. POOH with CCL and perf guns.
18. PU and RIH with 4.5" CICR on WL to set CICR at 855' in 4-1/2" casing. Set CICR. RDMO WL.
19. RU cementer. Once pumping rate has been established pump 140 sx (7.875" OH and 40% excess) of cement (Type III + 0.2% SPC-2) through squeeze holes 825' and 1240'. Underdisplace by 3 bbl, sting out of retainer and place on CICR. Note returns during cement job in OpenWells report.
20. PUH to 520' (300' above estimated top of cement) with 2-3/8" tubing and circulate conventionally with drilling mud until no cement returns to surface. RD cementer.

21. P & SB tubing for next depth (510'), LD remainder.
22. MIRU WL.TIH with jet cutter and cut casing at the "closest joint" to 410' (existing cement @ 420-820). RDMO WL.
23. ND BOP & tbg head.
24. NU BOP w/ 4-1/2" pipe rams on the 8-5/8" csg head.
25. PU csg. Circulate wellbore with drilling mud to remove gas. TOO H and LD 4-1/2" csg. If unable to pull production csg contact engineer/COGCC for plugging modification.
26. TIH with tbg open ended to land EOT 510' below production casing stub at 410'.
27. MIRU cementer. Spot 105 sx (0.0155 bbl/lft PC, 7.875" OH, 0.0636 bbl/lft SC & 40% excess) of cement (Type III + 0.2% SPC-2) from 510' below the 4-1/2" stub to 100' (inside the surface casing) (plug from 510-100). TOO H w/ tubing and stand back 100' tbg in derrick. RDMO Cementer.
28. WOC 4 hours or overnight.
29. TIH with tbg and tag cement plug. Record tagging plug in Openwells report. Lay down all tbg.
30. RU WL. Set 8-5/8" CIBP at approximately 100' (inside surface csg). Pressure test CIBP to 1000 psi for 15 min. (If CIBP does not hold contact Evans engineer and do not RDMO WO rig).
31. RDMO WO rig.
32. Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to Jolene Kramer.
33. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Jolene Kramer.
34. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
35. 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.
36. 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.
37. Have welder cut off 8-5/8" surface casing at least 5' below ground level.
38. 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.
39. 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.
40. Properly abandon flowlines as per Rule 1103.
41. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.
42. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.