

SAKATA RED W 6-8

1. 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.
2. MIRU slickline services. RU VES and run gyro survey on slickline (from 5200 to surface with stops every 100') (Note: CIBP stuck in hole at 5300'). Forward gyro survey data to Sabrina Frantz and invoices to John Tonello. RDMO slickline services (and VES).
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 and spot 826' (30 jts) of 2-1/16" 3.25# tubing.
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 2-1/16", 3.25# tbg of 46,320 lbs. (80% of upset joint yield strength).
9. TOOH with 2-1/16" tbg and stand back.
10. PU and TIH with scrapper on 2-1/16" tbg to 5300'. Note: CIBP stuck at 5300'.
11. PU and TIH with packer on 2-1/16" tbg for 3.5", 9.3# N-80 csg. Set packer at 5250' (50' above stuck CIBP @ 5300').
12. Try to pump past fish w. rig pump to max of 2500 psi. Assuming we are able to pump past fish, proceed. If unable to pump past fish contact Evans engineer and further plans will be made.
13. MIRU Cementing services. Attempt to pump 80 sx of cement (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 and 1.38 cuft/sx) pass the stuck CIBP @ 5300' to fill the hole from CIBP @ 5300' to PBTVD @ 7472'. TOOH with tbg. SB tbg. RD cementer.
14. PU and RIH with CIBP for 3-1/2", 9.3#, N-80 production casing. Set CIBP at 4440' (60' above SX perfs). POOH. Pressure test CIBP to 1000 psi for 15 min.
15. Run tbg to spot a 325' long balanced plug from 4115'-4440'.
16. MIRU Cementing services. Pump 25 sx of cement ("G" w/ 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-30) on CIBP to reach an estimate TOC @ 4115' inside 4-1/2" production casing. Pull 2 stand tbg and circulate hole with min 9.0 ppg drilling mud (100 bbls, 1.5 volume of hole). Circulate to get any cement out of the hole. P & SB tubing for next depth (750'), LD remainder. RD cementer.
17. MIRU WL. TIH with jet cutter and cut casing at the "closest joint" to 650' (about 100' below bottom of surface casing). RDMO WL.
18. ND BOP & tbg head.
19. NU BOP w/ 3-1/2" pipe rams on the 8-5/8" csg head.
20. PU csg. Circulate wellbore with drilling mud. TOOH and LD 3-1/2" csg. If unable to pull production csg contact engineer/COGCC for plugging modification.
21. TIH with tbg open ended to land EOT 750' below production casing stub at 650'.

22. MIRU cementer. Spot 175 sx of cement (Type III w/ CaCl₂) from 750' in the 3-1/2" to 100' inside the surface casing (plug from 750'-100'). TOOH w/ tubing and stand back 100' tbg in derick. RDMO Cementer.
23. WOC 4 hours or overnight.
24. TIH with tbg and tag cement plug. Record tagging plug in Openwells report. Lay down all tbg.
25. RU WL. Set 8-5/8" CIBP above cement top at approximately 100'. Pressure test CIBP to 1000 psi for 15 min. (If CIBP does not hole do not RDMO WO rig, contact Evans engineer).
26. RDMO WO rig.
27. Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to Sabrina Frantz.
28. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Sabrina Frantz.
29. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
30. 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.
31. 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.
32. Have welder cut off 8-5/8" surface casing at least 5' below ground level.
33. 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.
34. 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.
35. Properly abandon flowlines as per Rule 1103.
36. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.
37. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.