

Commons 3-19 (09239)

Bradenhead

1. Level location for base beam equipped rig.
2. Call Foreman or Field Coordinator before rig up to catch plunger, isolate production equipment, and ask if replacement parts/equipment are requested. Operations need to hook up the Bradenhead through hardline to a tank and bleed off the pressure before the rig gets on location.
3. Check and report surface casing pressure prior to bleeding off. If surface casing is not accessible at ground level, re-plumb so valve is at ground level.
4. If the tubinghead is not rated to 5000 psi then replace the wellhead and all the valves and fittings to make the tubinghead good to 5000 psi.
5. Spot a minimum of 15 jts of 2-3/8" tbg (4.7#, L-80, EUE) for replacement if necessary.
6. MIRU WO rig. Kill well, as necessary, with freshwater treated with biocide. ND WH. NU BOP.
7. MIRU slickline. Fish plunger if necessary and tag for PBTD (should be at 8,393'). RDMO slickline.
8. PUH w/ tbg string to break any possible sand bridges, unseat landing joint and lay down. Do not exceed tbg tensile strength of 83,440 lbs (80% of yield strength).
9. MIRU 'EMI'. TOOH w/ 2-3/8" tbg (4.7#, L-80, EUE). EMI tbg while TOOH. Lay down jts w/ wall loss or penetrations > 35%. Replace jts as necessary. **Keep yellow & blue band tbg. Note joint number and depth of tbg leak(s) on 'Production Equipment Failure Report' in 'Open Wells'. Clearly mark all junk (red band) tbg sent to the yard.
10. TIH w/ 2-3/8" tbg and 4.5" RBP (4.5" csg, 11.6#, I-80, LTC). Set RBP @ +/- 3,860' (+/- 127 jts; Collars are at +/- 3,845' and +/- 3,890'). Pressure test the RBP and csg to 2,500 psi. Spot 2 sx of sand on top of RBP and TOOH.

11. Bleed-off pressure and ND BOP's. ND wellhead. Un-land 4-1/2" csg string (11.6#, I-80 LTC). Do not exceed the safety tensile strength of 160,000 lbs (80% of tensile strength).
12. MIRU E-Line. RIH w/ freepoint tool. Determine where pipe is free. Estimated TOC is +/- 950'. **Contact Engineer in Evans where free pipe is established so accurate cement calculations can be made.**
13. PU and RIH w/ stringshot to the nearest joint above free pipe. PU on csg to +/- 9,000 lbs so csg buoyancy is neutral. Shoot stringshot and backoff csg. PUH and LD stringshot tool. RDMO E-Line.
14. TOOH and SB csg. Install Ported Collar on btm jnt w/ a sub and skirt at the bottom of the assembly. Make sure Port Collar is in the closed position when TIH. TIH csg 4 jts w/ out centralizers. Add 1 centralizer every jnt until last 4 jts, do not install a centralizer on the last 4 jnts.
15. Tie onto csg. Land and seat csg.
16. PU open/closing tool for Port Collar on 2-3/8" tbg (4.7#, L-80, EUE), ensure that the drag blocks are engaged on the tool. TIH to Port Collar depth.
17. Rotate to the right ¼ turn to open once tool is engaged.
18. Establish circulation w/ water and biocide (w/ BOP closed). If circulation cannot be established contact Engineer in Evans.
19. Once circulation is established, MIRU Cementing Services & pump 105 sx (**Check w/ engineer, may change depending on where pipe is free**) through tbg and Port Collar (Type III cement w/ ¼# of cello flake per sx and CaCl₂ as deemed necessary). Displace w/ water treated w/ biocide. Turn tbg ¼ turn to left to close Port Collar.
20. Open BOP & RIH 2 more jts of 2-3/8" tbg and circulate tbg clean w/ water treated w/ biocide. TOOH and SB 2-3/8" tbg. LD Port Collar open/close tool.

21. RDMO Cementing Services.
22. PU RBP retrieving head on 2-3/8" tbg and TIH to +/- 3,860'. Circulate water treated w/ biocide to clean sand off and fish RBP. TOOH and SB tbg, LD RBP.
23. Let cement set overnight.
24. MIRU Wireline. Run CBL from 1000' to Surface. RDMO Wireline. If cement is not above 300' contact Engineer in Evans.
25. If sand was tagged above 7,970', bail to sand on 2-3/8" tbg to 8,010'.
26. TIH w/ 2-3/8" NC, 2-3/8" SN on 2-3/8" 4.7# L-80 tbg. TIH and land 2-3/8" tbg to +/-7,846' (252 jts). ND BOP, NU WH.
27. RDMO WO rig.
28. Wellsite supervisor should turn all paper copies of cementing reports/invoices and logs into Sabrina Frantz.
29. Clean location and swab well back to production, if necessary. Notify Foreman/field coordinator of finished work and turn well over to production team.