

Dacono State 38-36

Hole in Casing & 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. Check and report the maximum surface casing pressure prior to bleeding off. If surface casing is not accessible at ground level, re-plumb so valve is at ground level. If Bradenhead doesn't bleed off, contact engineering.
3. Operations needs to hook up the Bradenhead through hardline to a tank and bleed off the pressure before the rig gets on location.
4. Check to make sure the wellhead is a 5,000 psi rated flanged well head. If not make sure one is available when rig moves onto location.
5. MIRU WO rig.
6. If the tubinghead is not rated to 5000 psi or flanged then replace the wellhead and all the valves and fittings to make the flanged tubinghead good to 5000 psi.
7. Spot 41 joints of 4-1/2", 11.6#, I80, LTC csg and 253 jts of 2-3/8", 4.7#, J55, EUE tbg. Need a skirted sub for 4-1/2" 11.6# csg (order from J&M machine shop) and QDF flange from APC Evans yard.
8. MIRU WO rig.
9. ND WH. ND 7-5M X 2-3/8" EUE Adapter Flange. Unseat 2-3/8" EUE tbg mandrel hanger and lay down if present.
10. NU 7-1/16" 5M BOP w/ 2-3/8" pipe rams, blind rams and a 1500 psi rated stripping head.
11. TIH w/ 2-3/8" tbg and retrieving head to the top RBP (@ +/- 1449'). Circulate w/ clean water containing biocide. Latch onto RBP. Engage equalizing port and allow equalization.
12. Release RBP and TOOH slowly w/ the RBP, LD RBP.
13. ND BOP.
14. ND csg head, PU on csg and release slips. NU QDF Flange on csg head.
15. NU 7-1/16" 5M BOP w/ 4-1/2" pipe rams, blind rams and a 1500 psi rated stripping head on QDF Flange.
16. Estimated TOC is +/- 3,660'.
17. Run string shot and CCL on wireline to 3 jts below identified hole (hole is between 1,484'-1,516'; 3 jts below hole is +/- 1,644'). Pull pipe to neutral (+/- 15,700 lbs).
18. Fire string shot while applying left hand torque and unthread csg. TOOH and LD csg. Visually inspect the csg a look for possible location of failure, note where csg is bad in OpenWells. Take csg jts to A&W yard and request an inspection. Sell bad joints as junk, contact Anna Valentine for assistance.
19. PU 4-1/2" csg and TIH w/ the following jewelry in the listed order;
 - a. Install skirted screw in sub @ backoff point.
 - b. 1 jnt of 4-1/2" csg
 - i. Install cement basket and stop ring 5' below collar.
 - c. Install stage cementing tool in closed position @ +/- 1,600'
 - d. Install +/- 40 jts of csg w/ bow spring centralizers around every connection.
 - e. TIH w/ remaining csg.
 - f. PUH 1-2' off pin end and circulate 165 bbls of 9.0 ppg mud at 3 bpm
 - g. Screw back into backed off csg coupling and torque appropriately using csg tongs.
20. Land csg in starting head. Set csg w/ 10K over string weight in slips (Calculate weight from the free point). ND BOP's.

21. NU and pack off 4-1/2" in the starting head.
22. Cut 4-1/2" csg, Install bell nipple if necessary. Install 4-1/2" 7.5K frac valve on 4-1/2" csg.
23. PU DV cementing tool dart and drop (wait approx. 5 min.)
24. NU cement head and RU cement services, pressure up to 1000 psi to shift DV tool open. Circulate 50 bbls of 9.0 ppg mud at 5-6 bpm, followed by 30 bbls of water containing biocide spacer. Prepare to cement.
25. Mix and pump +/- 180 sx of 14.0 ppg (1.53 cuft/sk) Type III w/ cello-flake and CaCl₂ as deemed necessary.
26. Drop wiper plug and displace w/ 25 bbls (+/- 1,608' of displacement) of fresh water containing biocide, pressure up on wiper plug to 1500 psi to shift DV tool closed, bleed off pressure to ensure DV tool is holding. Break lines and clean. Shut 4-1/2" frac valve.
27. ND cementing head. RDMO cement company.
28. Leave well shut in for 36 hours.
29. MIRU wireline and run CCL-GR-CBL-VDL from TOC (+/- 1,550') to surface. If cement is not to 690', contact engineer for further instructions.
30. NU 4-1/2" 5K psi TH w/ two 5K psi valves. NU BOP to 2-3/8" tbg head. Change pipe rams to 2-3/8".
31. PU 3-7/8" bit/mill and TIH w/ 2-3/8" tbg, rig up power swivel and mill DV cementing tool @ +/- 1,644'. TIH and tag plug @ +/- 1,644', mill and circulate bottoms up, TOOH w/ bit and SB tbg.
32. Close the blind rams and pressure test the DV tool to 1000 psi for 15 min.
33. PU and TIH w/ 2-3/8" tbg and retrieving head. Circulate sand off RBP @ +/- 7,672'. TOOH w/ RBP and SB tbg.
34. TIH w/ 2-3/8" NC, 2-3/8" XN SN and 2-3/8" 4.7# J55 EUE tbg, circulate out fill if necessary to 8,541' (PBMD). Land tbg @ +/- 7,845' (253 jts).
35. Broach tbg to seating nipple. ND BOP's, NU master valve and tbg head adaptor. Hydrotest 5,000 psi rated flanged tubing head to 5K psi for 15 min.
36. RDMO WO rig.
37. Clean location and swab well back to production. Notify field foreman/field coordinator of finished work and turn well back over to production team.
38. Turn in all logs to Sabrina.

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