

Engineer: Alex Caravaggio

Cell: 213-880-8119

PLUG and ABANDONMENT PROCEDURE

JAGUAR 36C-35HZ API#05-123-42624 WINS#J3421

Step Description of Work

1. Provide 48 hour notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Notify Automation Removal Group at least 24 hours prior to rig move. Request they catch and remove plunger, isolate production equipment, and remove any automation prior to rig MIRU.
2. Well has a gyro from 2016. RD slickline.
3. Prepare location for base beam equipped rig. Install perimeter fence as needed.
4. Check and record bradenhead pressure. If pressure exists, contact engineer. Blow down bradenhead and re-check pressure the next day. Repeat until pressure stays at 0 psi.
5. MIRU WO rig. Spot a min of 7500' of 2-3/8" 4.7# J-55, EXTERNAL-UPS tbg (no tbg in hole). Kill well as necessary using clean fresh water with biocide. ND WH. NU BOP. Unland tbg using unlanding joint and LD.
6. RU WL. RIH with (5.5", 17#, HC P110) CIBP and set at +/- 7250' (~18° inclination) to abandon the Nio formation. POOH. RD WL. (CBL ran on 2-28-2017)
7. TIH with 2-3/8" tbg while hydrotesting to 3000 psi to 7250'. Circulate all gas from well. PT CIBP to 1000 psi for 15 min.
8. RU Cementers. Pump Nio Balance Plug: 40 sxs (62 cf) 15.8 ppg & 1.53 cf/sk. Volume is based on 400' inside 5.5" production casing with no excess. Plug will be from 7250'-6850'.
9. Slowly pull out of the cement and TOO H to 6200'. Reverse circulate to ensure no cement is left in the tbg. TOO H and SB 2360' of 2-3/8" tbg. LD remainder.
10. RU WL. RIH with (5.5", 17#, HC P110) CIBP and set at +/- 4540' to abandon the Sussex/Shannon formations. POOH. RIH and dump 2 sx cement on CIBP. POOH. RD WL.
11. TIH with 2-3/8" tbg to 2360'.
12. RU Cementers. Pump Fox Hills Marker Balance Plug: 90 sxs (137 cf) 15.8 ppg & 1.52 cf/sk. Volume is based on 980' inside 5.5" production casing with no excess. Plug will be from 2360'-1380'.
13. Slowly pull out of the cement and PUH to 800'. Reverse circulate to ensure no cement is left in the tbg.
14. TOO H and LD all 2-3/8" tbg.
15. RU WL. RIH and tag TOC. POOH. RIH 5.5" CIBP to 80'. RDMO WL and WO rig.
16. Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hours of completion of the job.
17. Supervisor submit paper copies of all invoices, logs, and reports to Engineering Specialist.
18. Excavation crew to notify One Call to clear excavation area around wellhead and for flow lines.
19. Capping crew will set and secure night cap on 5.5" casing head, restrain the casing head, pressure test CIBP to 500 psi with hydrotest pump, then remove night cap and casing head restraints.
20. Excavate hole around surface casing enough to allow welder to cut casing a minimum 5' below ground level.
21. Welder cut casing minimum 5' below ground level.
22. Fill casing to surface using 4500 psi compressive strength cement (NO gravel).

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23. Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
24. Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
25. Properly abandon flow lines per Rule 1103. File electronic Form 42 once abandonment is complete.
26. Back fill hole with fill. Clean location, and level.
27. Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.