

NISHIMOTO GEORGE GU TRUE #1 BRADENHEAD PROCEDURE

- 1 Level location for base beam 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 pressure and bleed off the pressure before the rig gets on location.
- 3 Check and report surface casing pressure. If surface casing is not accessible at ground level, re-lumb so valve is at ground level.
- 4 Spot a minimum of 25 jts 2-3/8", 4.7#, J-55 EUE TBG for replacement and 130 jts 1-1/4", 2.33#/ft, J-55 10rd IJ for annular cement job.
- 5 MIRU slickline. Fish production equipment as necessary and tag fill. Note tagged depth in OpenWells. Last tagged/clean out depth was 7858' on 4/8/2005 (Bottom J-Sand perf: 7814'). RDMO slickline.
- 6 MIRU WO rig. Kill well, as necessary, with biocide treated fresh water. ND WH. NU BOPE.
- 7 Unseat landing joint and lay down.
- 8 MIRU EMI services. (LAST EMI DATE: unknown). TOO H with 2-3/8" TBG. EMI on TOO H. LD joints with wall loss or penetrations > 35%. Replace joints as necessary. **Keep yellow & blue band tubing. Note joint number and depth of tubing leak(s) on PRODUCTION EQUIPMENT FAILURE REPORT IN OPEN WELLS.
- 9 TIH with 2-3/8" TBG & RBP suitable for 5-1/2", 14#, J-55 casing. Set RBP at 7700'.
- 10 Circulate gas out of well and pressure test RBP & CSG to 1000 psi for 15 min. Dump 2 sx sand on top of RBP & TOO H while standing back TBG.
- 11 MIRU wireline services. PU & RIH with CCL-GR-CBL-VDL. Run from sand above RBP at 7700' to surface.
- 12 Email logs to engineer and engineer will calculate cement volumes for Bradenhead job (or OTHER FORMATION cement coverage if needed).

APC WIRKNER VANCE 13-36 HZ PAD. Estimated start date: 31 Jan 14
Nio top: 7037'; TOC: UNKNOWN; NPV: 87M;
No known casing issues