

## Short Procedure: WALBRIDGE UNIT 3X - Failure

**Background:** Well is down due to ESP failure. Plan to pull equipment and return well to TA status due to poor economics.

It is up to the WSM, Workover Engineer and Production Engineer to make the decisions necessary to safely do what is best for the well.

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**WellSafe Procedure Required:** No, well requires less than 10 ppg to kill  
**MASP:** <500

**Short Procedure:** For procedure specifics, WSMs will need to refer to the MMWW Standard Procedure or Rangely WPT.

1. MIRU workover rig and equipment. Check pressure on all casing strings (including bradenhead). **Record tubing and casing pressures every day on the WellView report.**
2. Bleed off pressure. Kill well with 10 ppg or less KMW if necessary.

**NOTE:** Unless there is a well control event do not pump heavier than 10 ppg KWF. Confirm with workover engineer and superintendent that well is WellSafe certified prior to CaCl<sub>2</sub>.

3. Set BPV in hanger (**WSEA 10A**), if possible. N/D tree. **N/U 7-1/16" 5K BOP with 3K Washington head, 3K annular and 2-7/8" pipe rams on top of blind rams (WSEA 8B).** Pull BPV. Test BOPE to 250 psi low/2100 psi high.

**NOTE:** If BPV cannot be set, the well must be monitored for flow for 15 minutes or longer before N/D tree. Provide reason for not being able to set BPV in WV timelog and WSEA 10.

4. Caliper elevators and document in WellView. TOOH with the 2-7/8" tubing (see Tubulars tab for details). While spooling out ESP cable, visually inspect tubing.

**NOTE:** If tubing is in good condition, plan to reuse for scraper run and TA tubing.

5. P/U 6-1/8" bit and scraper and make run to top perf at 6,004'. TOH.

6. TIH with 7" LOK-set packer, bare pup joint, and regular length on-off tool and 1.875" profile. Set packer. Set 1.875" F tubing plug. Space out, circulate packer fluid and land. Test casing/LOK-set packer to 500 psi for 15 minutes (preliminary test).

**NOTE: Ensure packer is set within 100' of top perf.**

7. **Set BPV (WSEA 10C).** N/D BOP. N/U 7-1/16" tubing bonnet with 2-9/16" master valve and companion flange (or equivalent) that is set up to monitor for pressure. Pull BPV. **Pressure test down tubing against plug to 500 psi for 15 min (WSEA 6-B) to verify surface connections. Test casing/LOK-set packer to 500 psi for 30 minutes (WSEA 6A and 10B).**

**NOTE:** If BPV cannot be set, the well must be monitored for flow for 15 minutes or longer before N/D BOP. Provide reason for not being able to set BPV in WV timelog and WSEA 10.

8. Notify Diane well is ready for regulatory witnessed MIT. Complete Ownership Transfer Document from D&C to Operations. Notify production personal in field office and contact pumper that well is TA'd. RDMO workover rig and equipment. **Ensure location is Clean.**