

- 1 Provide 24 hour notice of MIRU to Mike Hickey via email at [Mike.Hickey@state.co.us](mailto:Mike.Hickey@state.co.us). (O)303-456-7162 Fax (C) 970-302-1024
- 2 Prepare location for rig to move onto.
- 3 Call Foreman and/or Field Coordinator before rig up to isolate any production equipment.
- 4 MIRU WO rig, pump, & tank. Kill w/ water as needed. ND wellhead. NU BOP's. Unseat landing joint and lay down.
- 5 TOO H w/ 1-1/4" tubing. LD tubing.
- 6 MIRU wireline services.
- 7 RIH wireline with 2-7/8" CIBP 7150' KB (60' above NIO perfs). Set CIBP. Dump 2 sx of cement on top of CIBP. TOO H.
- 8 PU ND BOP's and tubing head. Unseat casing from slips and work casing.
- 9 TIH to 6900' KB w/ free point tool to find free casing and POOH. TIH with jet cutter to cut csg 50' above free point. Estimated TOC 6838' KB.
- 10 RDMO wireline services.
- 11 TOO H and LD 2-7/8" casing. If unable to pull casing contact engineer/COGCC for plugging modifications.
- 12 MIRU cementing services.
- 13 TIH with 2 3/8" working string to 6790' KB or casing stub. Set cement plug from 6838' KB to 6600' KB. Pump ~100 sx or 20 bbl to cover Niobrara (40% excess). Displace w/ 25 bbl, PU 30 jnts, circulate w/ 50 bbl or until no cement returns at surface. SWI, WOC 4 hours (or overnight), tag cement.
- 14 PUH with 2 3/8" working string to 4600' KB. Set cement plug from 4600' KB to 4200' KB. Pump ~150 sx or 31 bbl to cover Sussex (25% excess). Displace w/ 17 bbl, PU 30 jnts, circulate w/ 30 bbl. SWI, WOC 4 hours (or overnight), tag cement.
- 15 PUH with 2 3/8" working string to 800' KB. Set cement plug from 50' below surface casing shoe to 100' above surface shoe at 650'. Pump 45 sx or 9 bbl. Displace 2.5 bbl. POOH. SWI, WOC 4 hours (or overnight), tag cement.
- 16 TIH with 2-3/8" working string, cement 15 sx 50' to surface.
- 17 RDMO cementing services.
- 18 Cut surface casing 5 ft below ground level and weld on cap.
- 19 RDMO WO rig.
- 20 Properly abandon flowlines per Rule 1103.
- 21 Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.