

- 1 Provide 24 hour notice of MIRU to Mike Hickey via email at [mike.hickey@state.co.us](mailto:mike.hickey@state.co.us)
- 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/ 2 3/8" tubing. LD tubing.
- 6 MIRU wireline services.
- 7 RIH wireline with 4-1/2" CIBP 7650' KB (50' above JS 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 7000' KB w/ free point tool to find free casing and POOH. TIH with jet cutter to cut csg 50' above free point. Estimated TOC 7052' KB.
- 10 RDMO wireline services.
- 11 TOO H and LD 4 1/2" 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 7100' KB. Set cement plug from 7050' KB to 6300' KB. Pump ~235 sx or 48 bbl to cover Niobrara. Displace w/ 24 bbl, PU 10 jnts, reverse circulate w/ 47 bbl. SWI, WOC 4 hours (or overnight), tag cement.
- 14 PUH with 2 3/8" working string to 4680' KB. Set cement plug from 4680' KB to 4480' KB. Pump ~60 sx or 12 bbl to cover Sussex. Displace w/ 17 bbl, PU 10 jnts, reverse circulate w/ 33 bbl. SWI, WOC 4 hours (or overnight), tag cement.
- 15 PUH with 2 3/8" working string to 700' KB. Set cement plug from 700' below surface casing shoe to 150. Pump 145 sx or 30 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.