

Plug & Abandon Procedure
Kindt #1 (AKA Weld County Kindt #1)
NE NW 11-T7N-R57W
660' FNL & 1980' FWL
Weld Co., CO, Volten Field
(40.59374, -103.72652)

1. Test anchors prior to MIRU WSU
2. Submit Form 42 72 hrs prior to MIRU WSU (3 business days)
3. Notify COGCC Field Inspector 24 hrs prior to MIRU WSU
4. MIRU WSU
5. Unseat pump & POOH w/ rods, LD same
6. NU 3M manual BOP, release TAC & POOH, tally out
7. MIRU WLU & make gauge ring/junk basket run t/ 6050'
8. Set CIBP @ 6000' & dump bail 4 sx cmt
9. TIH w/ tbg & roll hole to clean up. TOOH, LD tbg t/ +/- 5,300', rack back remaining pipe
10. MU 3-3/8" csg guns & perforate the following one-foot intervals (4 SPF/90° phasing)
 - a. 5350' – Squeeze below CICR for Niobrara isolation
 - b. 1450' – Squeeze below CICR for Upper Pierre Isolation
 - c. 275' – Bullhead to isolate surface shoe
11. RIH w/ tbg & set CICR's at the depths and specifications below:
 - a. **Cement specs:**
 - i. Class: G neat
 - ii. Weight: 15.8 ppg
 - iii. Yield: 1.15 ft³/sk
 - iv. Mix water: +/- 8.1 gps
 - b. **CICR #1** – Set @ 5300' & pump 50 sx of cmt. Pump 40 sx below CICR & spot 10 sx on top
 - c. **CICR #2** - Set CICR @ 1400' & pump 50 sx of cmt. Pump 40 sx below CICR & spot 10 sx on top
12. POOH & LD remaining tbg. RU to pump down csg & take returns up annulus. Pump 90 sx surface plug. Pump until cement seen @ surface.
13. Cut-off csg 5' below GL, weld on cap w/ weep hole & install P&A marker.
14. RDMO WSU.