

## **Objective: Permanent Plugging and Abandonment**

**WELL: Skinner Ridge 2-3D**

**API #: 05-045-06594**

Make sure that everyone on location has had the site specific safety orientation and SafeLand which are both mandatory. If SIMOPS is necessary make sure to fill out all appropriate forms.

Hold a PTW, JSA and equipment inspection with crew when they arrive on location. Update the JSA throughout the day as work activities change during SAFE STOPS.

1. MIRU WO Rig. Bleed off surface pressure and kill well with water. Install Class III BOPE. Test to 250 psi and 3000 psi.
2. RIH w/ a 4 7/8" high quality bit and drillout the CIBP @ 6300'-6302'. Push remains of CICR to below bottom perf @ 6610'. **NOTE: Open perforations below bridge plug so be prepared for possible increase in pressure or gas flow from them.**
3. TIH w/ 5-1/2" cast iron cement retainer to 6300' and set same. Sting out of CICR and sting into test position and test tubing to 2000 psi. Sting into pump position & establish injection rate into the Cameo Coal perforations from 6347'-6610' with produced water.
4. Mix and pump 10 bbls fresh water spacer, 8 bbls Class G Neat cement. Squeeze 6 bbls below retainer, sting out and dump 2 bbl on top of CICR or ~50' to 6250'.
5. Pull above cement and circulate clean while displacing with 10 ppg brine water. POOH with the stinger laying down tubing.
6. RU and RIH with wireline and perforate the bottom of the surface casing from 606' – 608' with 6 shots. POOH and RD wireline
7. Attempt to establish circulation rate into perforations 606-608'. Attempt to pump down 9-5/8" x 5-1/2" annulus. Mix and pump 10 bbls fresh water spacer and 22 bbls of slurry. Squeeze 8 bbls into perforations 606-608' and leave 14 bbls of cement in 5-1/2" to surface with 200 psi on top of cement and SI for night.
8. R/D BOPE and top off casing with cement.
9. R/D rig and release.
10. Excavate around surface casing and cutoff and remove 16", 9 5/8" and 5 1/2" 4' below ground level. Weld on weep plate w/ well name and coordinates (Skinner Ridge 2-3D, NENE, 789' FNL, 1442' FEL, S3, T5S, and R99W. (Lat: 39°, 64', 80.600"N & Long - -108°, 48', 38.900"W).
11. Make sure all flowlines are flushed clean and capped.
12. Remove all facilities.

13. Fill in the pit, disc the location and reclaim with appropriate seeding.

14. Submit necessary paperwork and notify COGCC well and lease abandonment is completed for their approval.

NOTE: 5 1/2" 17# N-80 csg. Set @ 6898'

Cameo Coal Perfs: 6347' – 6610'

PBTD - 6300' (CIBP)

TD – 6901'