



## Equity Emerald #136 **Plug & Abandonment Procedure**

API# 103-05436

AFE# 20-0501

### Casing/Wellbore

- Surface Casing: Set @ 26', 10 3/4" OD
- Open Hole to 3878' PBD, open hole diameter ranges from 9"-11"

### **Estimated Job Start:** 10/13/20

1. Notify COGCC at least 48-hours prior to the start of operations using a Form 42. Verify with Madalyn McGuire that this is completed prior to start of approved P&A. 303-815-0505
2. Have tailgate safety meeting and review JSA for P&A procedure before work starts.
3. Build earthen berm around open wellbore for P&A work.
4. RU TD machine to verify previous TD. If nothing has changed continue to step 4, if changes on TD notify COGCC and WOG engineer.
5. RU conveyor and install grounding system, funnel in approved rock and shale, RU TD machine and verify shale has settled out at 800'. If so, continue to step 5.
6. RD TD machine and conveyor, RU cement pump and equipment, pressure test for leaks prior to TIH.
7. RU equipment for tripping in with 2-3/8" tbg. TIH to a depth of 780', hang off tbg. Flush lines to well head, start pumping Class ASTM "C" cement approximately 95 sks, flush tbg and TOOH laying down 2-3/8" tbg.
8. Let cement set until 7:00 am. (SDFN)
9. RU TD machine, tag cement top. If acceptable, RU conveyor and start funneling in approved rock and shale mix to a depth of 155' from surface. RU TD machine and verify TD if footage. If correct RD conveyor and RU cement pump and equipment.
10. Flush lines and pressure test cement equipment. RU equipment to TIH with 2-3/8" tubing to 145' and hang tbg off. Start pumping class ASTM "C" cement until cement is 3'-5' from surface and flush out tbg. TOOH, clean up all equipment and let cement set until 7:00 am. (SDFN)
11. If needed, excavate top of well around surface casing. Cut off csg 4' below surface and weld on P&A information plate with 1/4" breather hole. Take photos and back fill hole. Clean up area, prep to contour and reseed.