

Andy's Mesa #42
SW NE Section 34-T44N-R16W
San Miguel County, Colorado

Recommended P&A Procedure

1. Notify BLM at least 48 hrs prior to the start of abandonment operations.
2. BLM is to be given these procedures for their approval prior to commencing work. Changes have been made to the procedure from the original procedure submitted by EnCana to the BLM in July, 2008.
3. Move 296 jts of 2 7/8" 6.5#/ft tbg from the Hamilton Creek yard to location. Currently the well has no tree or tubing in the wellbore. CIBP has been set over the perforations at a depth of 6140' since 2004.
4. Set a frac tank and fill w/ at least 300 bbl of 9.0 lb fluid. Spot flowback tank. Due to overnight temps, recommend using water transport for fresh water needed for spacers and to mix cement.
5. MIRU pulling unit. Check well for pressure in case CIBP had leaked. NU BOP and TIH w/ tbg and tag CIBP at 6140 ft. Circ hole w/ 9.0 lb fluid.
6. TOOH and LD 105 jts of tbg.
7. RU wireline service. Dump bail 50 ft of cement (6.5 cu ft) of cement on top of the CIBP. RIH and perforate 4 shots at 90 degree phasing at 2860 ft.
8. MU retainer and TIH w/ tbg. Set retainer at 2800 ft. Begin pumping 9.0 ppg fluid via the tbg to establish injection into the casing. Look for returns at the valve off the 9 5/8" surface pipe.
9. RU cementers. Pump 10 bbl fresh water spacer and 65 cu ft of 16.0 ppg Class G cement (continue to monitor flowback coming from the surface valve to the flowback tank). Sting out of the retainer and spot 140 ft of cement (18 cu ft) on top of the retainer. TOC both inside and outside the 5 1/2" csg should be 100' ft above the surface pipe shoe. TOC est. at 2660 ft. PU above the cement and reverse circ clean.

10. TOH LD tbg to 50 ft. Pump 7 cu ft of 16.0 ppg Class G Cement and spot from 50 ft to surface. LD last two jts of tbg.
11. ND BOPs and cut off casing 5 ft below ground level. Weld on marker plate and tag with well name, GPS coordinates, lease number and location.
12. Clean location and fill in all ground disturbances.
13. Well is currently on the same pad as another producing well. The Andy's Mesa 42 well never produced so a battery was never built. Examine the location to determine if any interim reclamation can be performed.