

Operator:	SRC Energy	Reviewed: 7/9/19	
Well Name:	KETTLER #1-18		
Legal:	SWNW 18 5N 66W		
Location:	Weld County, CO		
API:	05-123-11745		
Surface:	8.625" 36# @ 435'	Hole Size: 12.25"	TOC: Surface
Production:	4.5" 11.6# @ 7535'	Hole Size: 7.875"	TOC: 6412' (CBL)
Perforations:	7386-7396 CODELL		
TD:	7535		

P&A Procedure

1. Conduct pre-job safety meeting and complete daily JSA
2. Blow down well if necessary, circulate hole with treated water
3. Dig out around wellhead and perform bradenhead test
4. MIRU WO unit, ND wellhead, NU BOP, tally all pipe
5. TIH w/ 4-1/2" 11.6# CIBP on tubing, set at 7311'
6. Run CBL
7. Pressure test casing to 500 psi for 15 minutes
8. Set 45 sx on top of existing CIBP (cover 200' above Niobrara top)
9. TIH w/perf gun to 2500' and perforate casing
10. TIH w/ 4-1/2" 11.6# CICR, set at 2400'
 - a. pump 84 sks of 15.8# class G neat 1.15 cu./ft. yield cement (300' annulus plug & 100' casing)
 - b. Release off of CICR and pump 9 sx (100' casing plug)
11. Cut 4.5" casing @ 980'
12. TIH with tubing to 1030' and pump stub plug from 0 - 1030'
 - a. pump 321 sks of 15.8# class G neat 1.15 cu./ft. yield cement
 - b. trip out of surface casing
 - c. Wait 4 hours and tag plug
13. RDMO WO unit
14. Dig up wellhead and cut off 10' below restored ground level, top off if necessary
15. Weld on cap with ID plate, inscribed with well location, and identity
16. Backfill, clean location
17. P&A complete