



Recommended Procedure

Plug and Abandonment

Operator:	Ward Petroleum Corporation		
Well name:	UPRC Federal #23-2		
Legal:	NENW, Section 23, Township 10 North, Range 64 West		
GPS:	40.82597, -104.51743		
Location:	Weld County, Colorado		
API:	05-123-19409		
Surface:	8-5/8" 24# at 277'	Hole size: 12-1/4"	TOC: Surface
Production:	4-1/2" 11.6# at 4,197'	Hole size: 7-7/8"	TOC: 3,482'
DV Tool:	1,319' (Cemented with 250 sxs)		TOC: 160'
Tubing:	2-3/8" 4.7# at 4,161' (Anchor at 4,065')		
Perforations:	4,141' – 4,147' (Richard)		
PBTD:	4,166'		
TD:	4,197'		

Procedure based off of completion report and WBD, NOT a final procedure

1. Conduct pre-job safety meeting and complete daily JSA
2. Confirm that bradenhead test has been performed
3. Prior to MIRU, check rig anchors and record initial shut-in pressures on tubing and casing
4. Blow down well/kill if necessary
5. Dig out around wellhead and check surface annulus for pressure and record
(If present call Marshall Hall #970-449-4634 and Craig Owen #970-646-3933 for orders)
6. MIRU P&A equipment, NDWH, NUBOP, Load and circulate wellbore clean
7. TOH and tally 1,369' of tubing to derrick if present
8. RU wireline, PU 4-1/2" 11.6# JC/GR, TIH to 4,091', TOH
9. PU 4-1/2" 11.6#, 10K, CIBP, TIH and set at 4,091', TOH
10. TIH and CDB 2 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement on top, TOH, RD wireline
(2 sxs is 26' in 4-1/2", TOC: 4,065')
11. Pressure test casing to 500 psi for 5 minutes
(If test fails call Marshal Hall and Craig Owen for orders)

Note: If casing pressure test fails (step 11) additional steps/services required by the COGCC/BLM are not included in this bid and will be billed per our 2016 Time and Material Price Schedule.

12. TIH to 1,369' (50' below DV tool), establish circulation to surface
13. Pump 25 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to cover DV tool
(25 sxs is 329' in 4-1/2", TOC: 1,040')
14. TOH and LD to 327' (50' below surface casing shoe), establish circulation to surface
15. Circulate 25 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to surface
16. TOH and LD tubing, RDMO, dig out and cut off wellhead, verify cement at surface, top off if necessary
17. Weld info plate onto casing, backfill pit, clean location, P&A complete