



**Rowe 11-10A**

**SW/NE - Section 11 – T8S - R92W**

**FEE/FEE**

**API: 05-045-09360**

**Lat. 39.375972 / Long. -107.630991**

**Garfield County, Colorado**

P&A Procedure

**February 5, 2015**

Engineer: Shirah Reyher

Production Group Lead: Mark Thrush

Western Operations Senior Manager: Chris Bement

API Number:	05-045-09360	
Spud Date:	December 07, 2013	
GL Elevation:	6,789'	
TD:	5,736' MD    PBTD 5,382' MD	
Surface Casing:	9 5/8" OD, 36 lb/ft, J-55, set at 933 ft.	
Surface Casing Properties:	ID:	8.921"
	Drift ID:	8.765"
	Collapse:	2,020 psig
	Burst:	3,520 psig
	Capacity:	0.0773 BBL/ft
Production Casing:	7.0" OD, 23.0 lb, P-110 set at 5,736 ft.	
Production Casing Properties :	ID:	6.366"
	Drift ID:	6.241"
	Collapse	5,650 psig
	Burst	8,720 psig
	Joint Yield Strength	732,000 lb
	Capacity:	0.0394 BBL/ft
	Capacity 9 5/8" x 7.0" casing:	0.0297 BBL/ft 33.6583 Ft./ BBL.
Tubing:	No tubing in hole	
Perfs:	Williams Fork 5,427' – 5,553' Ran 6.20" gauge ring to 5,400' RBP @ 5,382'	

## **Objective**

Plug and abandon the Rowe 11-10A.

## **Background**

The Rowe 11-10AS is a directional well that was drilled in December of 2003. The well was originally completed in the Williams Fork formation. The well is currently on T&A status and is waiting to be moved to permanent P&A.

## **Safety**

Safety meetings are to be held with all service company personnel prior to each job. Wellsite supervisor must notify contractors as to known hazards of which the contractors may be unaware. Well site supervisor must ensure that all workers are aware of their responsibilities and duties under the EH&S guidelines. All safety meetings will be recorded on the EnCana daily completion reports in Well View. Wellsite supervisor is responsible to ensure that all utility one calls and ground disturbance forms are completed and on location for safety review. All JSA, Ground disturbance forms and Utility one call paper work is to be turned in to Parachute safety department at the completion of the job.

## **Regulations**

All verbal notifications and approval from government regulatory agencies will be recorded on the EnCana daily report. The name of the individual contacted and the subject matter of approval or notification will be recorded.

## **Plug & Abandon Procedure**

1. Notify the COGCC and the Grand Jct. BLM at least 48 hours before plugging operations commence.
2. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins. Review the New Location Checklist and any appropriate risk assessments associated with the procedure. Update JSA's accordingly.
3. MIRU pulling unit.
4. Monitor pressures on wellbore. ND wellhead, NU BOP.
5. Mix & pump 25 sacks (5 BBLs.) cement and dump on top of the RBP @ 5,382'.
6. TOH w/ tubing. Stand back 983' of tubing. Lay down remaining tubing.
7. RU wireline. RIH w/ perf gun & shoot squeeze perfs @ 983', 50 feet below surface casing shoe @ 933'. ROH w/ wireline, RD & release.
8. TIH w/ tubing to 983'.
9. Mix & pump 45 sacks (9 BBLs.) cement. 15 sacks in the 9 5/8" X 7.0" annular & 30 sacks in the 7.0" casing. TOC must be @ or above 833'. WOC & hard tag TOC.
10. TIH w/ tubing hard tag TOC for surface casing shoe plug. TOH w/ tubing lying down. Leave 90 feet of tubing in the hole
11. TOH w/ remaining tubing lying down.
12. ND BOP & rig floor.
13. Dig down around wellhead 4' below ground level. Cut off wellhead & casings. Top off with cement as needed to surface in 7.0" and the 9 5/8" X 7.0" annular. Install information plate & weep hole & backfill.