



Long 1-3

NW/NW - Section 3 - T10S - R95W

FEE / FEE

API: 05-077-08109

Lat. 39.223323/Long. -107.98612

Mesa County, Colorado

P&A Procedure

January 27, 2015

Engineer: Sam Bearman

Production Group Lead: Mark Thrush

Western Operations Team Lead: Jeff Balmer

API Number:	05-077-08109	
Spud Date:	August 16,1977	
GL Elevation:	6142'	
TD:	5120' MD PBSD 5059'. MD	
Surface Casing:	8 5/8" OD, 24 lb/ft, K-55 ,set at 266 ft.	
Surface Casing Properties:	ID:	8.097"
	Drift ID:	7.972"
	Collapse:	1,370 psig
	Burst:	2,950 psig
	Joint Yield Strength:	244,000 lb
	Capacity:	0.0636 BBL/ft
	Capacity 8 5/8" casing x 12 1/4" hole:	0.0735 BBL/ft
Production Casing:	5 1/2" OD, 15.5 lb, K55 set at 5100 ft.	
Production Casing Properties:	ID:	4.950"
	Drift ID:	4.653"
	Collapse	4,040 psig
	Burst	4,810 psig
	Joint Yield Strength	248,000 lb
	Capacity:	0.0238BBL/ft
		42.0126 Ft./ BBL.
	Capacity8 5/8" x 5 1/2" casing:	0.0464 BBL/ft
		21.5326 Ft./ BBL.
Tubing:	2 3/8" OD, 4.7 lb/ft, J-55, set at 4829 ft.	
Tubing properties:	ID:	1.995"
	Drift ID:	1.901"
	Coupling OD:	3.063"
	Collapse:	8,100 psig
	Burst:	7,700 psig
	Joint Yield Strength	71,730 lb
	Capacity:	0.00387 BBL/ft
	Capacity 2 3/8" tubing x 5 1/2" casing:	0.0094 BBL/ft
Perfs:	4812' to 5051'. Rollins, Cozette & Corcoran formations.	

Objective

Plug and abandon the Long 1-3.

Background

The Long 1-3 vertical well drilled in August of 1977. There is T&A status on this well and now the well has moved on to P&A status.

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 Grand Jct. BLM & COGCC 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.
3. MIRU pulling unit. Kill well.
4. ND wellhead, NU BOP.
5. TOH w/ 2 3/8" tubing standing back. Call for additional workstring if necessary
6. RU wireline & RIH w/ a gauge ring. Set the cement retainer @ 4762'. ROH w/ wireline.
7. TIH w/ tubing & retainer stinger to 4762'. Sting into retainer & prep to pump cement.
8. Mix & pump 30 sacks (6 bbl's) through cement retainer set @ 4762'. Sting out of retainer & pump 10 sacks (2 BBLs) cement on top of the retainer. This will cover the perfs and top the retainer with 82 feet of cement..
9. TOH w/ tubing. Lay down tubing. Stand back 316' of tubing.
10. RU wireline. RIH w/ perf gun to 316' & shoot surface shoe squeeze holes. ROH w/ wireline. RD & release wireline.
11. TIH w/ tubing to 316'.
12. Try to establish circulation up the annular to surface. Do not pressure over 350 psi.
13. Mix & pump plug of 95 sacks (19 bbls.) cement. 8 5/8"X 5 1/2" casing annular will take 55 sacks (11 bbls.) cement and the annular 5 1/2" casing will take 40 sacks (8 bbls). This will bring cement through the squeeze perfs @ 316' to surface.
14. TOH w/ tubing.
15. ND-BOP & RD service unit.
16. Dig down around wellhead 4' below ground level. Cut off wellhead & casings. Top off with cement as needed to surface. Install information plate & weep hole & backfill.