Milholland 24-1

NE/NW – Section 24 – T10S – R96W

FEE – Surface / Minerals

Federal Lease – COC-35730

API: 05-077-08095

Lat. – 39.168893 / Long.-108.048492

Mesa County, Colorado

P&A Procedure

February 3, 2015

Engineer:	Sam Biearman
Production Group Lead:	Mark Thrush
Western Operations Senior Manager:	Chris Bement

API Number:	05-077-08095	
Spud Date:	May 18, 1977	
GL Elevation:	884’	
TD:	4402’ MD PBTD 4378’. MD	
Surface Casing:	9 5/8” OD, 40 lb/ft, J55, set at 254 ft.	
Surface Casing Properties:	ID:	8.835”
	Drift ID:	8.679”
	Collapse:	2,570 psig
	Burst:	3,950 psig
	Capacity:	0.0758 BBL/ft
	.	
Production Casing:	5 ½” OD, 15.5 lb, K55 set at 4378 ft.	
Production Casing Properties:	ID:	4.950”
	Drift ID:	4.825”
	Collapse	4,040 psig
	Burst	4,810 psig
	Joint Yield Strength	248,000 lb
	Capacity:	0.0238BBL/ft
		42.0126 Ft./ BBL.
	Capacity 9 5/8” x 5 ½” casing:	0.0464 BBL/ft
		21.5326 Ft./ BBL.
Tubing:	2 3/8” tubing. EOT @ 4342’	
Perfs:	3754’ to 4130’ with 1SPF	
	4225’ to 4316’ with 2 SPF	

Objective

Plug and abandon the Milholland 24-1.

Background

The Milholland 24-1 a vertical well drilled in May of 1977. The well was originally completed at intervals of 3,754' to 4,130 as well as 4,225' to 4,316' and has been awaiting permanent P&A. 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 COGCC and the Grand Junction BLM at least 48 hours before plugging operations commence.

2. Hold a pre-job safety meeting. Discuss all aspects of the procedure with all personnel. Identify and address any safety concerns before the job begins. Review the New Location Checklist and any applicable risk assessments associated with the procedure."

3. MIRU pulling unit.

4. ND wellhead, NU BOP.

5. TOH w/ tubing, tally out.

6. RU wireline & RIH w/ cement retainer to 3654'. ROH w/ wireline.

7. TIH w/ tubing & retainer stinger. Sting into retainer @ 3654'.

8. Mix & pump 100 sacks (20 BBLS.) cement through retainer to cover perfs. Sting out of retainer & pump 10 sacks (2 BBLS.) cement on top of retainer.

9. TOH w/ tubing. Stand back 304'. Lay down the rest.

10. RU wireline. RIH w/ perf gun & shoot squeeze perfs @ 304', 50 feet below surface casing shoe @ 254'. ROH w/ wireline, RD & release.

11. TIH w/ tubing to 304'.

12. Mix & pump 55 sacks (11 BBLS.) cement. 25 sacks in the 9 5/8" X 5 ½" annular & 20 sacks in the 5 ½" casing. TOC must be @ or above 154'. WOC & hard tag TOC.

13. TIH w/ tubing hard tag TOC for surface casing shoe plug. TOH w/ tubing laying down. Leave 90 feet of tubing in the hole

14. TOH w/ remaining tubing laying down.

15. ND BOP & rig floor.

16. Dig down around wellhead 4' below ground level. Cut off wellhead & casings. Top off with cement as needed to surface in 5 ½" and the 9 5/8" X 5 ½"annular. Install information plate & weep hole & backfill.