

# encana™



## **Debeque 08-08**

**SE/NE Section 8, 9S, 97W**

**Federal Lease # 36060**

**Mesa County, Colorado**

**P&A Procedure**

**December 03, 2013**

Engineer: Tyler Thyfault

Production Group Lead: Jerry Dietz

North Piceance Team Lead: Jacob Shumway

API Number:	05-077-08683-0000	
Spud Date:	October 21, 1994	
GL Elevation:	4,884 ft	
TD:	3,295 ft MD	
PBTD:	3,224 ft MD	
Surface Casing:	8 5/8" OD, 24 lb/ft, assumed K-55, set at 656 ft.	
Surface Casing Properties:	ID:	8.097"
	Drift ID:	
	Collapse:	1,370 psig
	Burst:	2,950 psig
	Capacity:	0.0637 BBL/ft
Production Casing:	4 1/2" OD, 10.5 & 11.6 lb/ft, J-55 & N-80, set at 3,293 ft.	
Production Casing Properties:	<b>J-55:</b>	
	ID:	4.052"
	Drift ID:	3.927"
	Collapse:	4,010 psig
	Burst:	4,790 psig
	Joint Yield Strength:	165,000 lb
	Capacity:	0.0159 BBL/ft
	Capacity 4-1/2" casing x 8 5/8" casing:	0.0440 BBL/ft
	Capacity 4-1/2" casing x 7 7/8" hole:	0.0406 BBL/ft
	<b>N-80:</b>	
	ID:	4.000"
	Drift ID:	
	Collapse:	6,350 psig
	Burst:	7,780 psig
	Joint Yield Strength:	267,000 lb
	Capacity:	0.0155 BBL/ft
	Capacity 4-1/2" casing x 8 5/8" casing:	0.0440 BBL/ft
	Capacity 4-1/2" casing x 7 7/8" hole:	0.0406 BBL/ft
Tubing:	2 3/8" OD, 4.7 lb/ft, <b>assume N-80</b> , set at 3,180 ft.	
Tubing properties:	ID:	1.995"
	Drift ID:	1.901"
	Coupling OD:	3.063"
	Collapse:	11,780 psig
	Burst:	11,200 psig
	Joint Yield Strength:	104,340 lb
	Capacity:	0.0039 BBL/ft

**Objective**

Plug and abandon the Debeque 8-8.

**Background**

The Debeque 8-8 is a vertical well drilled in October 21, 1994 and completed in the Cozzette and Corcoran. The well has been determined that it is no longer economical to operate.

**Safety**

Safety meetings are to be held with all service company personnel prior to each job. Well site 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. Well site 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 Rangely 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 Grand Junction BLM and the COGCC offices 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.
4. ND wellhead, NU BOP.
5. Load hole.
6. TOH with tubing.
7. TIH with tubing and spot 30 sx (6 BBL) cement at 3,224 ft.
8. Short TOH with tubing. WOC at least 6 hrs. Make sure tubing clears green cement.
9. RIH w/ tubing and tag TOC (Ensure TOC is at least @ 2,884 ft.)
10. RIH w/ wireline and perforate 2 holes in 4-1/2" OD casing @ 706 ft.
11. TIH with tubing to 706 ft.
12. Pump 35 sx cement @ 706 ft.
13. Tag TOC. (Ensure it is @ 606 ft.)
14. Pump cement w/ 1" tubing in 8-5/8" and 4-1/2" casing @ 100' to surface. (35 sx total.)
15. WOC. If cement falls, fill casing strings to surface.
16. Weld information plate to casing stub, take GPS readings of well information plate for regulatory agencies and back fill hole.
17. RDMO workover rig.



