

**encana**<sup>TM</sup>



**Dragon Trail Unit 1037**

**SE SW Section 30, T2S, R101W**

**Rio Blanco County, Colorado**

**P&A Procedure**

**Sept 09, 2013**

Engineer: Thomas Joyce  
Production Group Lead: Jerry Dietz  
North Piceance Team Lead: Jacob Shumway

Attachments:

API Number:	05-103-07137	
Spud Date:	August 10, 1968	
GL Elevation:	6,397 ft	
KB Elevation:		
TD:	2,450 ft	
PBTD:	2,450 ft	
Intermediate Casing:	8 5/8" OD, 24 lb/ft, K-55, set at 112 ft.	
Intermediate Casing Properties:	ID (24 lb/ft):	7.921"
	Drift ID (24 lb/ft):	7.796"
	Collapse (24 lb/ft):	1,370 psig
	Burst (24 lb/ft):	2,950 psig
	Joint Yield Strength (24 lb/ft):	244,000 lb
	Capacity (24 lb/ft):	0.0636 BBL/ft
	Capacity 8 5/8" casing x 11" hole:	0.0453 BBL/ft
Production Casing:	5 1/2" OD, 14 lb/ft, J-55, set at 2,450 ft.	
Production Casing Properties:	ID:	5.012"
	Drift ID:	4.887"
	Collapse:	3,120 psig
	Burst:	4,270 psig
	Joint Yield Strength:	172,000 lb
	Capacity:	0.0238 BBL/ft
	Capacity 5 1/2" casing x 8 5/8" casing:	0.0343 BBL/ft
	Capacity 5 1/2" casing x 7 7/8" hole:	0.0309 BBL/ft
Tubing:	2 3/8" OD, 4.7 lb/ft, J-55, set at 2,220 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 4 1/2" casing:	0.0101 BBL/ft

**Objective**

Plug and abandon the Dragon Trail 1037.

**Background**

The Dragon Trail 1037 is a vertical well drilled in August 1968. It is EnCana's intent to perform a mechanical integrity test. If this test fails, the well will be plugged.

**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 the Meeker BLM office and 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.
4. ND wellhead, NU BOP.
5. Load hole.
6. TOH with tubing. LD any bad joints.
7. MIRU wireline unit.
8. RIH with wireline and set CIBP set at 1,927 ft. 50 ft. above top perms @ 1,977'
9. Spot 10 sacks (2 BBL) cement on CIBP at 1,927 ft.
10. RIH with CIBP and perf gun.
11. Set CIBP at 162 ft and perforate 2 holes at 152 ft.
12. . Attempt to establish circulation to surface up 5 1/2" x 8 5/8" casing annulus.
13. Pump a total of 30 sacks, 15.8 slurry wt. (6 BBL) cement to surface.
14. TOH with tubing
15. Weld information plate to casing stub, take GPS readings of well information plate for regulatory agencies and back fill hole.
16. RDMO workover rig.