

encanaTM



Foundation Creek 7401

NE/NW Section 25, T4S, R102W

Federal Lease # COC-1852

Rio Blanco County, Colorado

P&A Procedure

April 30, 2013

Engineer: Thomas Joyce

Production Group Lead: Jerry Dietz

North Piceance Team Lead: Jacob Shumway

API Number:	05-103-07672	
Spud Date:	October 14, 1974	
GL Elevation:	6,833 ft	
TD:	3,493 ft MD	
PBTD:		
Surface Casing:	8 5/8" OD, 24 lb/ft, assumed J-55, set at 178 ft.	
Surface Casing Properties:	ID:	8.097"
	Drift ID:	7.972"
	Collapse:	1,370 psig
	Burst:	2,950 psig
	Capacity:	0.0636 BBL/ft
Production Casing:	5 1/2" OD, 17 lb/ft, J-55, set at 3,483 ft.	
Production Casing Properties:	ID:	4.892"
	Drift ID:	4.767"
	Collapse:	4,910 psig
	Burst:	5,320 psig
	Joint Yield Strength:	252,000 lb
	Capacity:	0.0232 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 7/8" OD, assume 6.40 lb/ft, assume J-55 , set at 2,996 ft.	
Tubing properties:	ID:	2.441"
	Drift ID:	2.347"
	Coupling OD:	3.500"
	Collapse:	7,680 psig
	Burst:	7,260 psig
	Joint Yield Strength:	72,580 lb
	Capacity:	0.00592 BBL/ft
	Capacity 2 7/8" tubing x 5 1/2" casing:	0.0152 BBL/ft

Objective

Plug and abandon the Foundation Creek 7401.

Background

The FC 7401 is a vertical well drilled in October 14, 1974, and completed in the Mancos B. The well has been flow tested and swabbed. Fluid levels in the wellbore remain high and it has been determined that this well is no longer economical to operate.

Safety**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 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 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. Set CIBP at 2919 ft. 50 ft above top perms @ 2,969
8. TIH with tubing and spot 1.5 BBL cement on CIBP at 2,919 ft.
9. TOH with tubing.
10. RIH w/ wireline CIBP and set at 228 ft. 50 ft below surface casing shoe
11. Perforate 2 holes in 5 ½" OD casing at 218 ft.
12. TIH with tubing to 218 ft.
13. Establish circulation up casing annulus.
14. Pump cement until returns are seen in annulus at surface (about 4 ½ BBL).
15. Spot cement above CIBP to surface. 20 sacks. (about 4 BBL).
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.