



CH Four LTD # 1

SW/NE - Section 23 - T9S - R95W

FEE / FEE

API: 05-077-08379

Lat. 39.265819/Long. -107.958456

Mesa County, Colorado

P&A Procedure

October 9, 2014

Engineer: Tanner Messer

Production Group Lead: Mark Thrush

Western Operations Team Lead: Jeff Balmer

API Number:	05-077-08379	
Spud Date:	August 1, 1981	
GL Elevation:	6525'	
TD:	6438' MD PBDT 5700. MD	
Surface Casing:	8 5/8" OD, 24 lb/ft, assumed K-55, set at 327 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, N 80 set at 6426' ft.	
Production Casing Properties:	ID:	4.892"
	Drift ID:	4.767"
	Collapse	6,390 psig
	Burst	7,740 psig
	Joint Yield Strength	397,000 lb
	Capacity:	0.0232 BBL/ft
		43.0147 ft/bbl.
	Capacity 8 5/8" x 5 1/2" casing:	0.0343 BBL/ft
		29.1525 ft/bbl.
Tubing:	2 7/8" tubing. EOT @ 4800'	
Perfs:	4928' to 4980' Mesa Verde	

Objective

Plug and abandon the CH Four LTD #1

Background

The CH Four LTD #1 is a vertical well drilled in August of 1981. 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. 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 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 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 7/8" tubing standing back. Call for 2 7/8" tubing swivel.
6. RU wireline & RIH w/ Cement retainer & set @ 4878'. ROH w/ wireline.
7. TIH w/ tubing & retainer stinger to 4878'. Sting into retainer & prep to pump cement.
8. Mix & pump 50 sacks (10 bbl's) through cement retainer set @ 4878'. Sting out of retainer & pump 10 sacks (2 BBLs) cement on top of the retainer. This will cover the perfs.
9. TOH w/ tubing. Lay down tubing. Stand back 377' of tubing.
10. RU wireline. RIH w/ shoot squeeze perfs @ 377'. ROH w/ wireline & release wireline.
11. TIH w/ tubing to 377'
12. Mix & pump 35 sacks (7 bbls.) cement from 377' . 15 sacks in the 5 1/2" casing & 20 sacks in the annular.
13. TOH w/ tubing standing back. WOC overnight. TIH w/ tubing the following day & hard tag TOC. Minimum TOC is 277'. TOH w/ tubing to 90'.
14. Mix & pump cement from 90' to surface in the 5 1/2" casing and the annular. Cement volume as needed to surface. Should be around 30 sacks cement total.
15. TOH w/ remaining tubing laying down.
16. ND-BOP & RD service unit.
17. 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.