

encana™



Hill 3X-3

SW/SE – Section 3 – T10S – R95W

FEE – Surface / Minerals

Federal Lease – COC - 35897

API: 05-077-08396

Lat. 39.215983 / Long.-107.97514

Mesa County, Colorado

P&A Procedure

February 17, 2015

Engineer: Sam Bearman

Production Group Lead: Mark Thrush

Western Operations Senior Manager: Chris Bement

API Number:	05-077-08396	
Spud Date:	August 13, 1981	
GL Elevation:	6,348'	
TD:	5310' MD PBSD 5289'. MD	
Surface Casing:	8 5/8" OD, 24 lb/ft, K55, set at 302 ft.	
Surface Casing Properties:	ID:	8.097"
	Drift ID:	7.972"
	Collapse:	1,370 psig
	Burst:	263,000 psig
	Capacity:	0.0637 BBL/ft
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Production Casing:	4 1/2" OD, 10.5 lb, K55 set at 5291 ft.	
Production Casing Properties:	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
		62.6977 Ft./ BBL.
	Capacity 9 5/8" x 5 1/2" casing:	0.0440 BBL/ft
		22.7187 Ft./ BBL.
Tubing:	2 3/8" tubing. EOT @ 5007'	
Perfs:	5024' to 5228' with 1 SPF	

Objective

Plug and abandon the Hill 3X-3.

Background

The Hill 3X-3 a vertical well drilled in August 1981. The well was originally completed at 5,024' to 5,228' and has been awaiting permanent P&A.

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 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 4974'. ROH w/ wireline.
7. TIH w/ tubing & retainer stinger. Sting into retainer @ 4974'.
8. Mix & pump 30 sacks (6 BBLs.) cement through retainer to cover perms. Sting out of retainer & pump 10 sacks (2 BBLs.) cement on top of retainer.
9. TOH w/ tubing. Stand back 352'. Lay down the rest.
10. RU wireline. RIH w/ perf gun & shoot squeeze perms @ 352', 50 feet below surface casing shoe @ 302'. ROH w/ wireline, RD & release.
11. TIH w/ tubing to 352'.
12. Mix & pump 55 sacks (11 BBLs.) cement. 25 sacks in the 8 5/8" X 4 1/2" annular & 15 sacks in the 4 1/2" casing. TOC must be @ or above 202'. 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 4 1/2" and the 8 5/8" X 4 1/2" annular. Install information plate & weep hole & backfill.