

encana™



Shire Gulch Disposal # 1

SW/SW - Section 25 - T9S - R97W

Fed. Minerals & Surface

Fed. Lease - COC-14172

API: 05-077-08174

Lat. 39.240101 /Long. -108.172856

Mesa County, Colorado

P&A Procedure

August 20, 2014

Engineer: Tanner Messer

Production Group Lead: Mark Thrush

Western Operations Team Lead: Jeff Balmer

API Number:	05-077-08174	
Spud Date:	June 14, 1979	
GL Elevation:	5490'	
TD:	3252' MD PBSD 3190. MD	
Surface Casing:	8 5/8" OD, 24 lb/ft, assumed K-55, set at 140 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, 15.5 lb, K55 set at 3251 ft.	
Production Casing Properties:	ID:	4.950"
	Drift ID:	4.653"
	Collapse	4,040 psig
	Burst	4,810 psig
	Joint Yield Strength	248,000 lb
	Capacity:	0.0238BBL/ft
	Capacity 8 5/8" x 5 1/2" casing:	0.0343 BBL/ft
Tubing:	2 3/8" tubing. EOT @ 2812'	
Perfs:	Cozzette / Corcoran : 2920' to 3156'.	

Objective

Plug and abandon the Shire Gulch Disposal #1

Background

The Shire Gulch Disposal # 1 is a vertical well drilled in June of 1979. The well was originally completed in the Cozzette / Corcoran and has been awaiting permanent P&A. This well was converted to a produced water disposal in 2009

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 Grand Jct. BLM & 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. Mix & pump 100 sacks (20 bbls.) cement down the tubing below the packer. WOC minimum of 6 to 8 hours. Insure that pressure to surface is dead.
6. RU wireline & RIH w/ free point tools & cut tubing off above packer at 2839'. ROH w/ wireline.
7. ND- wellhead, NU BOP
8. Pick up on tubing and insure free tubing.
9. Mix & pump 7 sacks of cement (1.5 bbls) cement on top of tubing stub to insure that tubing stub is covered by a minimum of 50'. Estimated cement top of 2789' with 10% excess. WOC.
10. TOH w/ tubing. Lay down tubing. Stand back 190' of tubing.
11. RU wireline. RIH w/ perf gun & shoot perfs @ 190' or below if in a collar. ROH w/ wireline.
12. TIH w/ tubing to 190'.
13. Mix & pump 75sacks (13 bbls.) cement from 190' to surface. This will cover the 8.625" casing shoe 50' below the shoe and 50' above the shoe. TOC minimum is @ surface. If TOC is below the surface mix & pump cement as needed.
14. TOH w/ tubing laying down.
15. ND - BOP & RD rig floor.
16. 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.