



Powell DV08B-23 H23 4101

SE/NE - Section 23 -T3S - R101W

FEE / FEE

API # 05-103-11919

Lat. 39.688675 / Long. -108.692561

Rio Blanco County, Colorado

P&A Procedure

August 5, 2013

Engineer: Thomas Joyce

Production Group Lead: Doug Rosa

North Piceance Team Lead: Jacob Shumway

Attachments: 1. Wellbore Diagram

API Number:	05-103-11921	
Spud Date:	May 25,2012	
GL Elevation:	6,753 ft.	
TD:	8,330 ft. MD	
TVD:	5,420 ft. MD	
Conductor:	20" OD, 53 lb./ft. @ 120 ft.	
	ID:	19.124"
	Capacity:	.3553 BBL/ft.
Surface Casing:	9 5/8" OD, 36 lb./ft. K-55, set at 836 ft.	
Surface Casing Properties:	ID:	8.921"
	Drift ID:	8.765"
	Collapse:	2,020 psig
	Burst:	3,520 psig
	Joint Yield Strength:	564,000 lb
	Capacity:	0.0773 BBL/ft
	Capacity 20" x 9 5/8" casing:	0.2653 BBL/ft
Production Casing:	4 1/2" OD, 11.6 lb./ft. S-80 set at 6,072 ft.	
Production Casing Properties:	ID:	4.0"
	Drift ID:	3.88"
	Collapse:	6,350 psig
	Burst:	7,780 psig
	Joint Yield Strength (N-80):	267,000 lb
	Capacity:	0.0155BBL/ft
	Capacity 9 5/8" casing x 4 1/2" casing:	0.05764 BBL/ft

Objective

Plug and abandon the Powell DV8B-23 H23 4101.

Background

The Powell DV8B-23 H23 4101 is a **vertical science** well that spud May 25, 2012. The well was not completed and is intended to gather down hole samples to evaluate horizontal potential. This well has never produced and was not drilled as a producing well

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 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

Notify the Meeker BLM office and COGCC at least 48 hours before plugging operations commence. Ensure that proper ground disturbance forms have been completed and one call for utility identification has been done and proper paper work is on location.

1. 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.
2. MIRU pulling unit.
3. ND wellhead, NU BOP.
4. Load hole.
5. Use the work string from the horizontal well and an additional 650 feet will need to be hauled to the location.
6. TIH with tubing to the production casing shoe @ 6,075 ft.
7. Spot 15 sacks (3 BBL) balanced plug @ 6,075'. Estimated TOC @ 5,882'
8. TOH w/ tubing to 5,500'. WOC. TIH and tag TOC.
9. TOH laying down to 2,550.
10. Spot 15 sacks (3 Barrels) cement balanced plug. Estimated TOC @ 2,357'. Plug will split the 5,082 feet to surface casing shoe so we don't have too much space between plugs. WOC. Tag plug.
11. TOH w/ tubing.
12. RU wireline and set CIBP @ 886'. 50' below surface casing shoe @ 836'.
13. ROH w/ wireline and pick up perf gun and shoot perfs in production casing @ 886'. ROH w/ wireline and rig down.
13. TIH with tubing to 886 feet.
14. Spot 35 sacks (11 Barrels) cement balanced plug. Estimated TOC @ 657'. This will cover the surface casing shoe inside the 4 ½" production casing and the surface casing shoe @ 800'. 50feet below and 50 feet inside the 9 5/8" X 4 ½" annular space.
15. TOH w/ tubing
- 16 .ND BOP and cut off well head 4 feet below ground level.
17. Load 4 ½" casing and casing annulus w/ water and prep to pump cement with 1".
18. Pump 10 sacks (2 Barrels) cement from 100' to surface the 4 ½" casing. Top off any annular space to surface if needed.
19. Weld information plate to casing stub, take GPS readings of well information plate for regulatory agencies and back fill hole.
- 20.RDMO