



## **South Douglas Creek Government 1-3**

**NE NW Section 3, T4S, R102W**

**1,280 ft FNL & 1,350 ft FWL**

**Rio Blanco County, Colorado**

**P&A Procedure**

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**Attachments:**

**Attachment 1 – Proposed Wellbore Schematic  
Attachment 2 – Current Wellbore Schematic**

API Number: 05103076710000

Spud Date: October 23, 1974

GL Elevation: 6,775 ft

KB Elevation: 6,787 ft

TD: 3,208 ft MD

PBTD:

Surface Casing: 8 5/8" OD, 24 lb/ft, **assume J-55**, set at 213 ft.

Surface Casing Properties:

ID:	8.097"
Drift ID:	7.972"
Collapse:	1,370 psig
Burst:	2,950 psig
Joint Yield Strength:	244,000 lb
Capacity:	0.0636 BBL/ft
Capacity 8 5/8" casing x 12 1/4" hole:	0.0735 BBL/ft

Production Casing: 5 1/2" OD, 15.5 lb/ft, **assume J-55**, set from 2,352 ft – 3,154 ft.

5 1/2" OD, 17 lb/ft, **assume J-55**, set from 2,352 ft – surface.

Production Casing Properties:

ID (15.5 lb/ft):	4.950"
Drift ID (15.5 lb/ft):	4.825"
Collapse (15.5 lb/ft):	4,040 psig
Burst (15.5 lb/ft):	4,810 psig
Joint Yield Strength (15.5 lb/ft):	217,000 lb
Capacity (15.5 lb/ft):	0.0238 BBL/ft
ID (17 lb/ft):	4.892"
Drift ID (17 lb/ft):	4.767"
Collapse (17 lb/ft):	4,910 psig
Burst (17 lb/ft):	5,320 psig
Joint Yield Strength (17 lb/ft):	247,000 lb
Capacity (17 lb/ft):	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 6.5 lb/ft, assume J-55**, set at 2,829 ft.

Tubing properties:

ID:	2.441"
Drift ID:	2.347"
Coupling OD:	3.668"
Collapse:	7,680 psig
Burst:	7,260 psig
Joint Yield Strength:	99,660 lb
Capacity:	0.00579 BBL/ft
Capacity 2 7/8" tubing x 5 1/2" 15.5 lb/ft casing:	0.0158 BBL/ft
Capacity 2 7/8" tubing x 5 1/2" 17 lb/ft casing:	0.0152 BBL/ft

TOC: Cement unknown.

Perforation details shown in Attachment #1.

**Objective**

Plug and abandon the South Douglas Creek Government 1-3.

**Background**

The South Douglas Creek Government 1-3 is a vertical well that was drilled in October 1974. It was completed in the Mancos B. The well was shut in due to a lack of demand and high inert content in the gas stream. This is a low rate well that unable to produce after line pressure went up in 2001. It is possible to return this well to production with a wellsite compressor, but this is not an economically feasible option. In addition, there is no uphole potential in this well. As such, The South Douglas Creek Government 1-3 will be plugged and abandoned.

**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 Core.

**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 and 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. POOH with tubing. Tuboscope on the way out of hole. LD any bad joints.
6. Load hole.
7. RIH with CIBP and set at 2,660 ft.
8. RIH and dump 12 sks cement on CIBP at 2,660 ft.
9. POOH.
10. RIH with CIBP and set at 273 ft.
11. Perforate 2 holes at 263 ft.
12. Attempt to establish circulation to surface.
13. Fill casing annulus and casing to surface with cement (estimated volume is a total of 77 sks; 45 sks of cement in annulus and 32 sks cement in casing).
14. Cut off casing 4 ft below ground level and weld on plate.
15. RDMO workover rig.