

**WELL ABANDONMENT REPORT**  
Submit original plus one copy. This form is to be submitted as an intent whenever a plugging is planned on a borehole. The approved intent shall be valid for twelve months after the approval date after that period a new intent will be required. After the plugging is complete, this form and one copy shall again be submitted as a subsequent report of the work as actually completed.

RECEIVED  
APR 26 2010  
COGCC

24 hour notice required,  
contact:  
DAVE ANDREWS  
(970) 456-5262

COGCC Operator Number: 100185	Contact Name & Telephone Heather Mitchell	<div>Complete the Attachment Checklist</div> <table><tr><td>Wellbore Diagram</td><td>Oper</td><td>OGCC</td></tr><tr><td>Cement Job Summary</td><td></td><td></td></tr><tr><td>Wireline Job Summary</td><td></td><td></td></tr><tr><td>Proposed P&amp;A Procedure</td><td>X</td><td></td></tr></table>	Wellbore Diagram	Oper	OGCC	Cement Job Summary			Wireline Job Summary			Proposed P&A Procedure	X	
Wellbore Diagram	Oper		OGCC											
Cement Job Summary														
Wireline Job Summary														
Proposed P&A Procedure	X													
Name of Operator: EnCana Oil & Gas (USA) Inc.	No: 720-876-3070													
Address: 370 17th Street, Suite 1700	Fax: 720-876-4070													
City: Denver State: CO Zip: 80202														
API Number 05-103-07671														
Well Name: Government	Well Number: #1-3													
Location (QtrQtr, Sec, Twp, Rng, Meridian): NENW Sec. 3 T4S R102W														
County: Rio Blanco	Federal, Indian or State Lease Number: COC0127718													
Field Name: Douglas Creek South	Field Number: 17901													

☒ Notice of Intent to Abandon

☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.733300 Longitude: 108.8348111

GPS Data:

Date of Measurement: 2/6/2007 PDOP Reading: 2.9 Instrument Operator's Name: Brian Baker

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems ☐ Other

Casing to be Pulled: ☐ Yes ☒ No Top of Casing Cement: unknown

Fish in Hole: ☐ Yes ☒ No If yes, explain details below

Wellbore has Uncemented Casing Leaks: ☐ Yes ☒ No If yes, explain details below

Details:

Current and Previously Abandoned Zones					
Formation	Perforations - Top	Perforations - Bottom	Date Abandoned	Method of Isolation (None, Squeezed, BP, Cement, etc.)	Plug Depth
Mancos B	2714	3037			

Casing History							
String	Size of Hole	Size of Casing	Weight per ft	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surface	12-1/4	8-5/8	24#	213'	175 sxs	213	0
Production	7-7/8	5-1/2	15.5#/ 17 #	3154'	300 sxs	3154	Unknown

Plugging Procedure for Intent and Subsequent Report

DA CIBP #1: Depth 2690 with 12 sacks cmt on top. CIBP #2: Depth 213 with sacks cmt on top.

NOTE: Two (2) sacks cement required on all CIBPs.

Set 73 sks cmt from 263 ft. to 0 ft. in ☒ Casing ☐ Open Hole ☒ Annulus

Set sks cmt from ft. to ft. in ☐ Casing ☐ Open Hole ☐ Annulus

Set sks cmt from ft. to ft. in ☐ Casing ☐ Open Hole ☐ Annulus

Set sks cmt from ft. to ft. in ☐ Casing ☐ Open Hole ☐ Annulus

Set sks cmt from ft. to ft. in ☐ Casing ☐ Open Hole ☐ Annulus

DA Perforate and squeeze at 263 ft. with 73 sacks Leave at least 100 ft. in casing - CIRCULATE CEMENT TO SURFACE

Perforate and squeeze at ft. with sacks Leave at least 100 ft. in casing

Perforate and squeeze at ft. with sacks Leave at least 100 ft. in casing

Set sacks half in, half out surface casing from ft. to ft.

Set sacks at surface

Cut four feet below ground level, weld on plate

Set sacks in rat hole

Dry-Hole Marker: ☒ Yes ☐ No

Set sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: ft. of in. casing

Plugging date:

\*Wireline Contractor:

\*Cementing Contractor:

Type of Cement and Additives Used:

\*Attach job summaries.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name/ Heather R. Mitchell Email: heather.mitchell@encana.com

Signed: [Signature] Title: Engineering Tech Date: 04/22/10

OGCC Approved: [Signature] Title: PE II Date: 5/4/2010

CONDITIONS OF APPROVAL, IF ANY:

1) Provide 24 hour notice of MIRU to Dave Andrews at (970) 456-5262.



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**APR 26 2010**

**COGCC**

## **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**

**February 3, 2010**

Engineer: Jason Schmidt

Production Group Lead: Doug Rosa

North Piceance Team Lead: Mike Kennedy

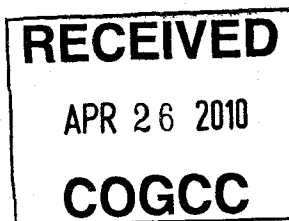
Attachments: 1. Daily Production Trend

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**

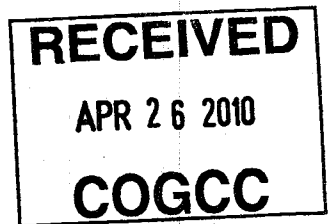
The South Douglas Creek Government 1-3 is a vertical well that was drilled in October 1974. It was completed in the Mancos B. The well was shut in due to a lack of demand and high inert content in the gas stream. This is a low rate well that unable to produce after line pressure went up in 2001. It is 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, it has been added to the P&A list.

**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.

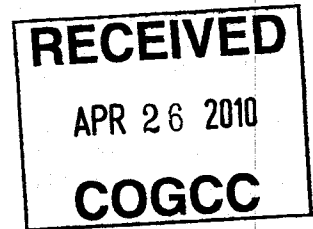
**Regulations**

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 2,690 ft.
8. RIH and dump 2 ½ BBL cement on CIBP at 2,690 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 15 BBL; 9 BBL cement in annulus and 6 BBL cement in casing).
14. Cut off casing 4 ft below ground level and weld on plate.
15. RDMO workover rig.



# Curent Wellbore Diagram

1280' FNL & 1350' FWL

Operator: EnCana Oil & Gas (USA) Inc.  
Well Name: Government #1-3  
Lease Number: COC0127718  
Location: NENW Sec. 3 T4S R102W  
Field: Douglas Creek South  
County, State: Rio Blanco, CO  
API Number: 05-103-07671  
Diagram Date: 04/22/2010

Surface Csg: 8-5/8", 24#, set at 213'  
12-3/4" hole, cmt w/ 175 sx to surface

TOC: Unknown

KB 6787'  
GL 6777'

## Well History

Spud Date: 10/23/1974  
Date TD Reached: 10/27/1974  
Completion Date: 12/03/1974

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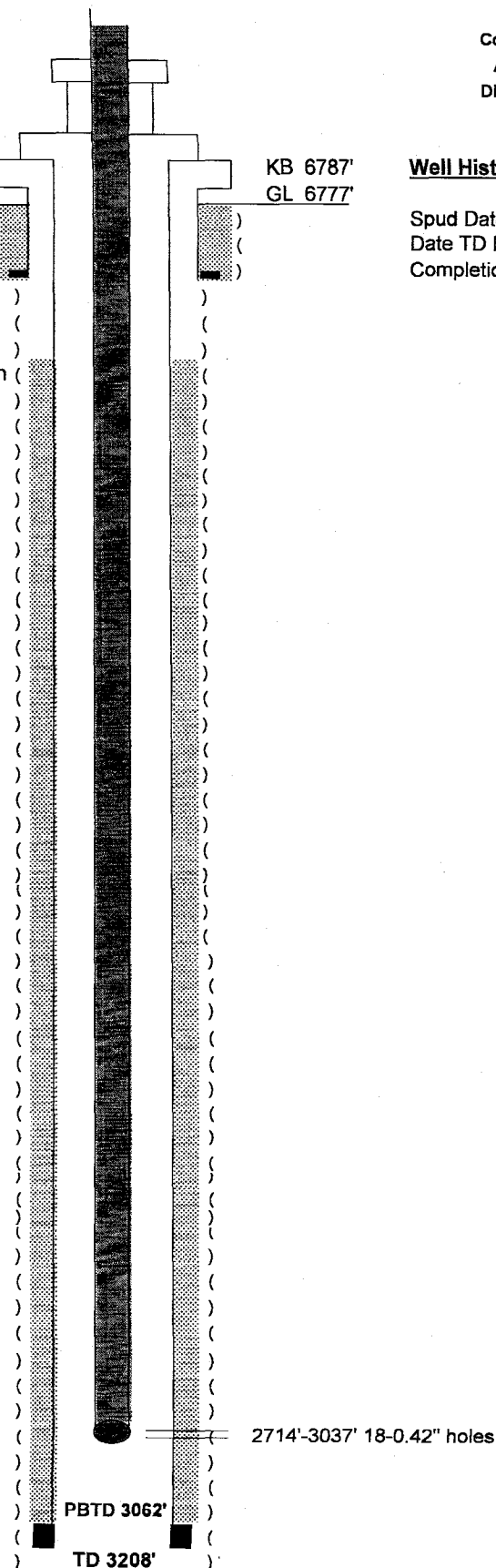
APR 26 2010

**COGCC**

Tbg Detail as of 04/27/1994:

2-7/8" at 2829'

Production Csg: 5-1/2", 15.5 #/ 17#  
set at 3154', 7-7/8" hole, cmt w/ 300 sx



**Proposed Wellbore Diagram**

1280' FNL & 1350' FWL

Operator: EnCana Oil & Gas (USA) Inc.  
Well Name: Government #1-3  
Lease Number: COC0127718  
Location: NENW Sec. 3 T4S R102W  
Field: Douglas Creek South  
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Diagram Date: 04/22/2010

KB 6787'  
GL 6777'

**Well History**

Spud Date: 10/23/1974  
Date TD Reached: 10/27/1974  
Completion Date: 12/03/1974

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**COGCC**

Surface Csg: 8-5/8", 24#, set at 213'  
12-3/4" hole, cmt w/ 175 sx to surface

TOC: Unknown

Perforate 2 circulating holes at 263'. Pump 9 bbls of cmt in annulus and  
6 bbls cmt in csg to surface.

Set CIBP at 2690' with 2-1/2 bbls cmt on top

2714'-3037' 18-0.42" holes

Production Csg: 5-1/2", 15.5 #/ 17#  
set at 3154', 7-7/8" hole, cmt w/ 300 sx

PBTD 3062'

TD 3208'