

1120 Lincoln Street, Suite 801, Denver Colorado 80203 (303) 894-2100 Fax (303) 894-2109

**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.

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APR 26 2010  
**COGCC**

COGCC Operator Number: 100185  
 Name of Operator: EnCana Oil & Gas (USA) Inc.  
 Address: 370 17th Street, Suite 1700  
 City: Denver State: CO Zip: 80202  
 Contact Name & Telephone: Heather Mitchell  
 No: 720-876-3070  
 Fax: 720-876-4070

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

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

**Complete the Attachment Checklist**

Wellbore Diagram	Oper	OGCC
Cement Job Summary	X	
Wireline Job Summary		
Proposed P&A Procedure	X	

**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**

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

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

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 Dry-Hole Marker:  Yes  No  
 Set \_\_\_\_\_ sacks in rat hole Set \_\_\_\_\_ sacks in mouse hole

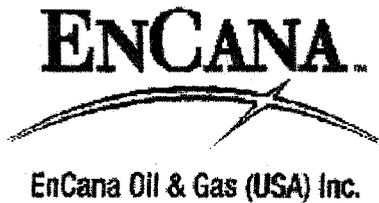
**Additional Plugging Information for Subsequent Report Only**

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: Heather Mitchell Title: Engineering Tech Date: 04/22/10  
 OGCC Approved: David Andrews 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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**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

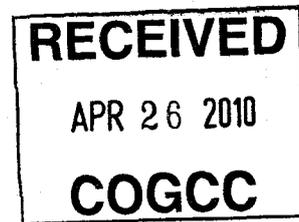
Engineer: Jason Schmidt

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**

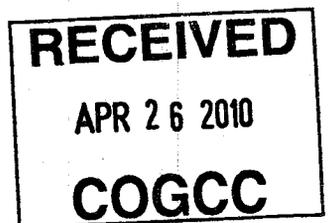
The South Douglas Creek Government 1-3 is a vertical well that was drilled in October 1974. It was completed in the Mancos B. The well was shut in due to a lack of demand and high inert content in the gas stream. This is a low rate well that unable to produce after line pressure went up in 2001. It is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

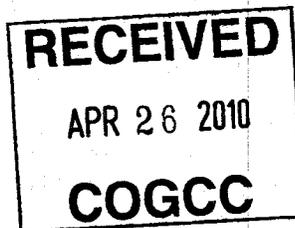
**Regulations**

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'

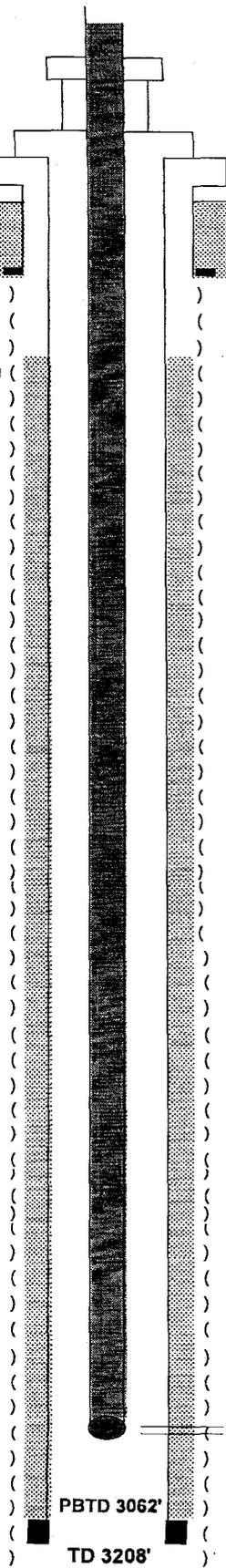
**Well History**

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

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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



2714'-3037' 18-0.42" holes

PBSD 3062'

TD 3208'

**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  
 County, State: Rio Blanco, CO  
 API Number: 05-103-07671  
 Diagram Date: 04/22/2010

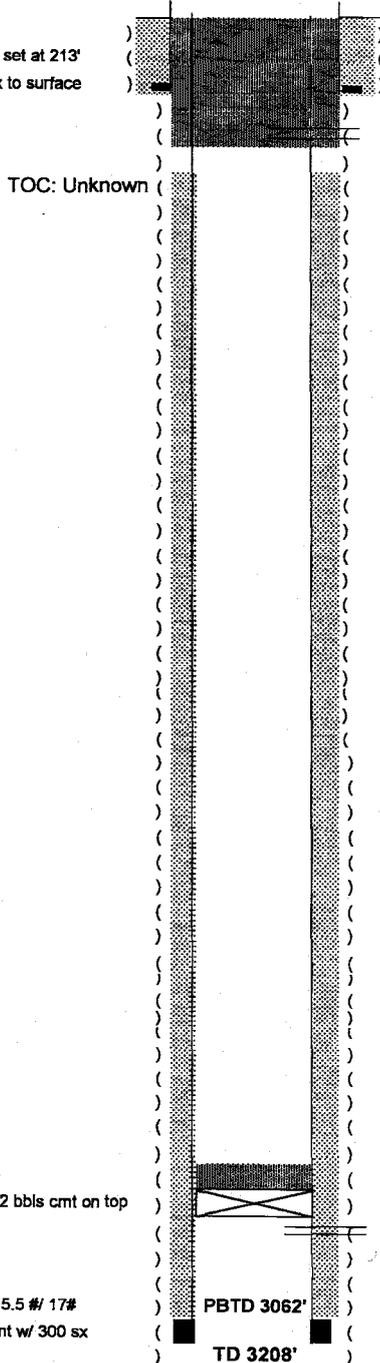
KB 6787'  
 GL 6777'

**Well History**

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

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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'