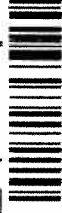


State of Colorado  
Oil and Gas Conservation Commission

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



02053970

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[Signature]

## 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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COGCC/Rifle Office

COGCC Operator Number: 100185		Contact Name & Telephone
Name of Operator: EnCana Oil & Gas (USA) Inc.		Heather Mitchell
Address: 370 17th Street, Suite 1700		No: 720-876-3070
City: Denver State: CO Zip: 80202		Fax: 720-876-4070
API Number 05-045-07557		
Well Name: SSPC		Well Number: 6404
Location (Qtr, Sec, Twp, Rng, Meridian): SENE Sec. 10 T7S R99W		
County: Garfield		Federal, Indian or State Lease Number: N/A
Field Name: CASTLE		Field Number: 10325

24 hour notice required,  
contact:

Tel:

Complete the  
Attachment Checklist

Wellbore Diagram	<input checked="" type="checkbox"/>
Cement Job Summary	<input checked="" type="checkbox"/>
Wireline Job Summary	<input checked="" type="checkbox"/>
Proposed P&A Procedure	<input checked="" type="checkbox"/>

## Notice of Intent to Abandon

## Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.46267192 Longitude: 108.4216946

Date of Measurement: 3/1/2007 PDOP Reading: 4.2 Instrument Operator's Name: Brian Baker

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems ☐ OtherCasing to be Pulled: ☐ Yes ☒ No Top of Casing Cement: \_\_\_\_\_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
Williams Fork	3884'	4046'			
Rollins	4060'	4082'			
Cozzette	4164'	4278'			
Corcoran	4336'	4523'			
Sego	4542'	4576'			

## 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#	1880'	825 sxs	1880'	0
Production	7 - 7/8"	4-1/2"	11.6 #	5112'	605 sxs	5112'	2400'

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth	3820'	with	7	sacks cmt on top	CIBP #2: Depth	1943'	with	9	sacks cmt on top
Set	_____	_____	_____	_____	Set	_____	_____	_____	_____
Set	_____	_____	_____	_____	Set	_____	_____	_____	_____
Set	_____	_____	_____	_____	Set	_____	_____	_____	_____
Set	_____	_____	_____	_____	Set	_____	_____	_____	_____
Set	_____	_____	_____	_____	Set	_____	_____	_____	_____
Perforate and squeeze at	100'	ft. with	21	sacks	Leave at least 100 ft. in casing				
Perforate and squeeze at	1933'	ft. with	21	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	_____				
Set	_____	sacks at surface	_____		_____				
Cut four feet below ground level, weld on plate									
Set	_____	sacks in rat hole	Set	_____	sacks in mouse hole				

Dry-Hole Marker: ☒ Yes ☐ No

\_\_\_\_\_ sacks in mouse hole

CIBP # 3: Depth 110' with 9 sks  
cement on topNOTE: Two (2) sacks cement  
required on all CIBPs.

<input checked="" type="checkbox"/> Annulus	<input type="checkbox"/> Open Hole
<input checked="" type="checkbox"/> Annulus	<input type="checkbox"/> Open Hole
<input type="checkbox"/> Annulus	<input type="checkbox"/> Open Hole
<input type="checkbox"/> Annulus	<input type="checkbox"/> Open Hole
<input type="checkbox"/> Annulus	<input type="checkbox"/> Open Hole

Casing Recovered: \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_

Plugging date: \_\_\_\_\_

\*Cementing Contractor: \_\_\_\_\_

## Additional Plugging Information for Subsequent Report Only

Type of Cement and Additional Fluid: \_\_\_\_\_



Encana Oil & Gas (USA) Inc.

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COGCC/Rifle Office

## **Standard Shale 6404**

SE NE Section 10, T7S, R99W

1,996 ft FNL & 707 ft FEL

Garfield County, Colorado

### **P&A Procedure**

March 1, 2010

Engineer: Jason Schmidt  
Production Group Lead: Doug Rosa  
North Piceance Team Lead: Mike Kennedy

Attachments: 1. Daily Production Trend

Standard Shale 6404 P&A Procedure -- March 1, 2010

API Number: 05045075570000

Spud Date: April 5, 2003

GI Elevation:

6,175 ft

KB Elevation:

6,186 ft

TD:

6,700 ft MD

PBTD:

6,700 ft MD

Surface Casing:

8 5/8" OD, 24 lb/ft, J-55, set at 1,883 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:

4 1/2" OD, 11.6 lb/ft, N-80, set at 5,112 ft

Production Casing Properties:

ID:

4.000"

Drift ID:

3.875"

Collapse:

7,780 psig

Burst:

6,350 psig

Joint Yield Strength:

223,000 lb

Capacity:

0.0155 BBL/ft

Capacity 4 1/2" casing x 8 5/8" casing:

0.0440 BBL/ft

Capacity 4 1/2" casing x 7 7/8" hole:

0.0406 BBL/ft

Tubing:

2 3/8" OD, assume 4.7 lb/ft, assume J-55, set at 4,570 ft.

Tubing properties:

ID:

1.995"

Drift ID:

1.901"

Coupling OD:

3.063"

Collapse:

8,100 psig

Burst:

7,700 psig

Joint Yield Strength

71,730 lb

Capacity:

0.00387 BBL/ft

Capacity 2 7/8" tubing x 4 1/2" casing:

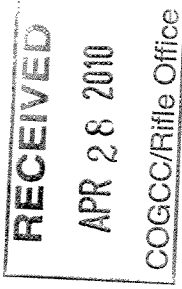
0.0101 BBL/ft

TOC:

Surface cement at surface (report).

Production cement at 2,400 ft (report - CBL).

Perforation details shown in Attachment #1.



← 2460 JSC 428/2010

**Objective**

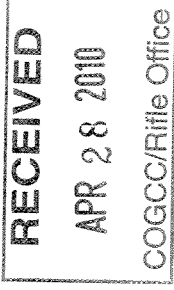
Plug and abandon the Standard Shale 6404.

**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.

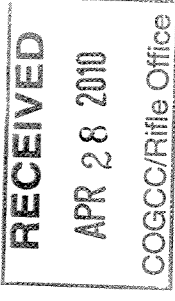
**Regulations**

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 3,820 ft.
8. RIH and dump 1 ½ BBL cement on CIBP at 3,820 ft.
9. POOH.
10. RIH with CIBP and set at 1,943 ft.
11. Perforate 2 holes at 1,933 ft.
12. Attempt to establish circulation to surface.
13. Pump 6 BBL cement (4 ¼ BBL in annulus, 1 ½ BBL in 4 ½" OD casing).
14. Set CIBP at 110 ft.
15. Perforate 2 holes at 100 ft.
16. Establish circulation to surface.
17. Fill casing annulus and casing to surface with cement (estimated volume is a total of 6 BBL; 4 ½ BBL cement in annulus and 1 ½ BBL cement in casing).
18. Cut off casing 4 ft below ground level and weld on plate.
19. RDMO workover rig.



Current Wellbore Diagram

1996' FNL & 707' FWL

Operator: EnCana Oil & Gas (USA) Inc.  
Well Name: SSPC 6404  
Lease Number: SENE Sec. 10 T7S R99W  
Field: Piceance Creek  
County, State: Garfield, CO  
API Number: 05-103-07557  
Diagram Date: 04/23/2010

Well History

Spud Date: 04/05/2003  
Date TD Reached: 04/15/2003  
Completion Date: 10/17/2003

KB 6186'  
GL 6175'

Surface Csg. 8 5/8", 24#, set at 1880'  
12-1/4" hole, cmt w/ 825 sx to surface

TOC: 2400'

2400

Tbg Detail as of 07/10/2003:  
2-7/8" at 4570'

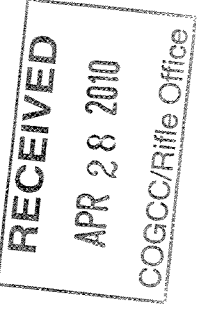
Production Csg. 4-1/2", 11 6 #  
set at 5112', 7-7/8" hole, cmt w/ 605 sx

CMT Plug from 6700'-6900'

3884'-4046' 144 3/4" holes  
4660'-4082' 32 3/4" holes  
4164'-4278' 50 3/4" holes  
4336'-4523' 50 3/4" holes  
4542' - 4576' 24 3/4" holes

Williams Fork  
Rollins  
Cozzette  
Corcoran  
Segg

TD 9276'



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COGCC/Rifle Office

**Proposed Wellbore Diagram**

1996 FNL & 707 FWL

Operator: EnCana Oil & Gas USA, Inc.  
Well Name: SSPC 6404  
Lease Number: \_\_\_\_\_  
Location: SENE Sec 10 T7S R99W  
Field: Piceance Creek  
County, State: Garfield, CO  
API Number: 05-103-07557  
Diagram Date: 04/23/2010

