FORM 4 Rev 12/05

Page 1

State of Colorado
Oil and Gas Conservation Commission

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

OE	ET	DC	ES

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SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 100185
2. Name of Operator: EnCana Oil & Gas (USA) Inc.
3. Address: 370 17th St. Suite 1700
   City: Denver State: CO Zip 80031
4. Contact Name: Judith Walter
   Phone: 720-876-3702
   Fax: 720-876-4702

Complete the Attachment Checklist

	OP	OGCC
Survey Plat		
Directional Survey		
Surface Eqpmt Diagram		
Technical Info Page	X	
Other		

5. API Number 05-045-06572-0000 OGCC Facility ID Number
6. Well/Facility Name: Cedar Bench Federal 7. Well/Facility Number 6307
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE Sec 28, R6S, T100W, 6 P.M.
9. County: Garfield 10. Field Name: Gasaway
11. Federal, Indian or State Lease Number:

General Notice

☐ **CHANGE OF LOCATION:** **Attach New Survey Plat** (a change of surface qtr/qtr is substantive and requires a new permit)

	FNL/FSL		FEL/FWL	
Change of **Surface** Footage **from** Exterior Section Lines:				
Change of **Surface** Footage **to** Exterior Section Lines:				
Change of **Bottomhole** Footage **from** Exterior Section Lines:				
Change of **Bottomhole** Footage **to** Exterior Section Lines:				

attach directional survey

Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer

Latitude Distance to nearest property line Distance to nearest bldg, public rd, utility or RR

Longitude Distance to nearest lease line Is location in a High Density Area (rule 603b)? Yes/No

Ground Elevation Distance to nearest well same formation Surface owner consultation date:

GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

☐ **CHANGE SPACING UNIT**

Formation	Formation Code	Spacing order number	Unit Acreage	Unit configuration

☐ **Remove from surface bond** Signed surface use agreement attached

☐ **CHANGE OF OPERATOR (prior to drilling):**
Effective Date:
Plugging Bond: ☐ Blanket ☐ Individual

☐ **CHANGE WELL NAME** **NUMBER**
From:
To:
Effective Date:

☐ **ABANDONED LOCATION:**
Was location ever built? ☐ Yes ☐ No
Is site ready for Inspection? ☐ Yes ☐ No
Date Ready for Inspection:

☐ **NOTICE OF CONTINUED SHUT IN STATUS**
Date well shut in or temporarily abandoned:
Has Production Equipment been removed from site? ☐ Yes ☐ No
MIT required if shut in longer than two years. Date of last MIT

☐ **SPUD DATE:**

☐ **REQUEST FOR CONFIDENTIAL STATUS** (6 mos from date casing set)

☐ **SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK** *submit cbl and cement job summaries

Method used	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom	Date

☐ **RECLAMATION:** Attach technical page describing final reclamation procedures per Rule 1004.
Final reclamation will commence on approximately ☐ Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

☐ Notice of Intent Approximate Start Date:
☐ Report of Work Done Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

[X] Intent to Recomplete (submit form 2)	☐ Request to Vent or Flare	☐ E&P Waste Disposal
☐ Change Drilling Plans	☐ Repair Well	☐ Beneficial Reuse of E&P Waste
☐ Gross Interval Changed?	☐ Rule 502 variance requested	☐ Status Update/Change of Remediation Plans for Spills and Releases
☐ Casing/Cementing Program Change	☐ Other:	

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

Signed: Judith Walter Date: 2/24/10 Email: judith.walter@encana.com

Print Name: Judith Walter Title: Regulatory Analyst

COGCC Approved: Title EIT II Date: 4/14/2010

CONDITIONS OF APPROVAL, IF ANY:

FORM 4 Rev 12/05

TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY

RECEIVED
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COGCC/Rifle Office

1. OGCC Operator Number: **100185** API Number: **05-045-06572-0000**
2. Name of Operator: **EnCana Oil & Gas (USA) Inc.** OGCC Facility ID # **159194**
3. Well/Facility Name: **Cedar Bench Federal** Well/Facility Number: **6307**
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): **NENE Sec 28, R6S, T100W, 6 P.M.**

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

Objective

Perform Remedial Operations to allow completion of Mancos Formation

Summary

Before completion of Mancos interval, well will be tagged for fill with slickline. Existing tubing will be pulled out of hole. Based on fill amount, well will need to be cleaned out if necessary. Plug will then be set over top of pre-existing producing interval. Once isolated, casing integrity test will be run in conjunction with a cement bond log to determine top of cement. Based on casing integrity and cement bond log additional remediation may required. If no remediation is required, Stage 1 of Mancos interval will be perforated then frac'd over a series of pre-determined stages with an isolation plug set in between each stage. Once final stage is frac'd, all plugs will be drilled out, tubing will be snubbed in the hole and the well put on production.

Procedure – Slickline Tag

1. MIRU slickline truck. Hold pre-job JSA/safety meeting.
2. Run in hole and note if there are any tight spots and the corresponding depth. Continue out of tubing until fill is tagged or PBTD is reached.
3. RDMO slickline truck and report PBTD and tight spots.

Procedure – Pull Tubing & Cleanout

1. MIRU service rig. Hold rig inspections and pre-job JSA/safety meeting.
2. Kill well by circulating produced water (8.4 PPG). NDWH and NU BOPE and test.
3. Rig up EMI tubing inspection tools. POOH w/ 2 3/8" tbg EOT 8009' & inspect tbg. Lay down any bad jts.
4. Based on amount of fill from Slickline Tag, RIH and clean well out to PBTD (8000'). POOH with tubing and tools.
5. TIH with tubing and full-bore scraper and make scraper run to PBTD. POOH with tubing and tools.
6. ND BOPE. NU Production Tree. RDMO

Procedure – MIT & CBL

1. MIRU wireline unit. Hold pre-job JSA/safety meeting.
2. RIH and Set CIBP @ 8000', and dump bail 2 sacks (50') cement on top of CIBP.
3. RIH with Multi-Arm Imaging Tool (MIT) to top of CIBP and log to surface. POOH.
4. RIH with Cement Bond Log (CBL) to top of CIBP and log to surface. POOH.
5. RDMO wireline unit. Based on CBL and MIT log determine if any remedial work is required in order to continue with completion operations. TOC = 5350'.

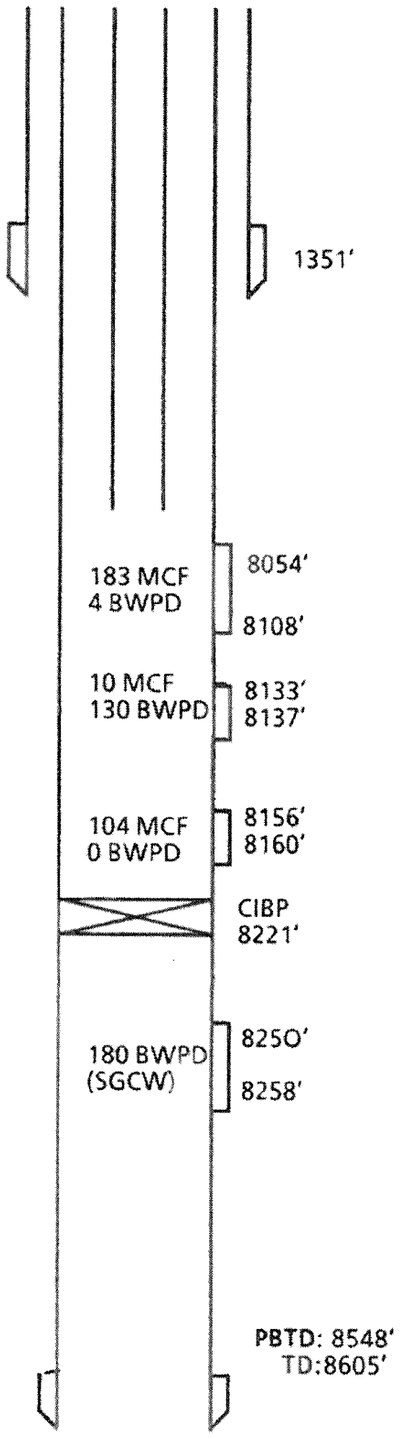
Procedure – Perf & Frac

1. MIRU wireline unit. Hold pre-job JSA/safety meeting.
2. ND Production Tree. NU 10K Frac Tree
3. Pressure Test 10K Frac Tree.
4. RIH and Perforate Stage 1according to designed perf depths. POOH.
5. MIRU frac equipment. Hold pre-job JSA/safety meeting.
6. Frac Stage 1 according to designed pump schedule.
7. RIH Set Isolation Plug and perforate Stage 2 according to designed perf depths. POOH.
8. Repeat steps 4 through 6 above till all stages have been frac'd as planned.
9. RDMO Frac Equipment
10. RIH with wireline and set kill plug @ 2000'
11. ND Frac Tree, NU Production Tree

Procedure – Cleanout & Tubing Land

1) MIRU 2" Coil Tubing Unit. Hold pre-job JSA/safety meeting.
2) NU Quad BOP on wellhead equipment and test accordingly.
3) RIH with BHA consisting of coil connector, dual back pressure valve, hydraulic disconnect, dual circulating sub, 2.88" motor, ported bit sub, and 3.80" 4 blade mill.
4) Clean well out to top of CIBP @ 7950'. POOH
5) RDMO CT Unit.
6) MIRU Snubbing Unit. Hold pre-job JSA/safety meeting.
7) Snub tubing back in hole and land according to designed landing depth.
8) ND Snubbing Unit, NU production tree.
9) RD and put well on production.

See attached current Wellbore Diagram
See attached proposed Wellbore Diagram
Form 2 Permit for Recompletion filed.



CEDAR BENCH UNIT 1-28

LOCATION: Sec. 28-T6S-R100W
Garfield Co., CO
COMPL. DATE: 10-16-88
STATUS: SI-WOPL
OPERATOR: NARCo

CASING DATA

SURFACE: 30 jts 9-5/8" 36#/ft K-55 casing set at 1352' Cemented w/325 sx 50/50 POZ + 6% gel + 2% CaCl2 + 1/4# Flocele tail w/200 sx G + 2%CaC; + 1/4# Flocele

PRODUCTION: 207 jts of 4-11/2" S-95 11.6 #/ft LT&C casing. Landed at 8603'. Cemented with 680 sx 50/50 POZ + 2% gel + .8%D60 + .25% D13 retarder tail with 540 sx G + 35% silica + 18% salt + .7 g/sx D 604 salt bond additive + 27 g D47 defoamer

TUBING: 244 jts 2-3/8 set @ 8009 KB

COMPLETED INTERVAL

FROMATION: Dakota

PERFS: 8054-8108'(2 SPF)
8133,8135,8137,8156,8158,8160,
(8250,8252,8254,8256,8258')(1SPF)

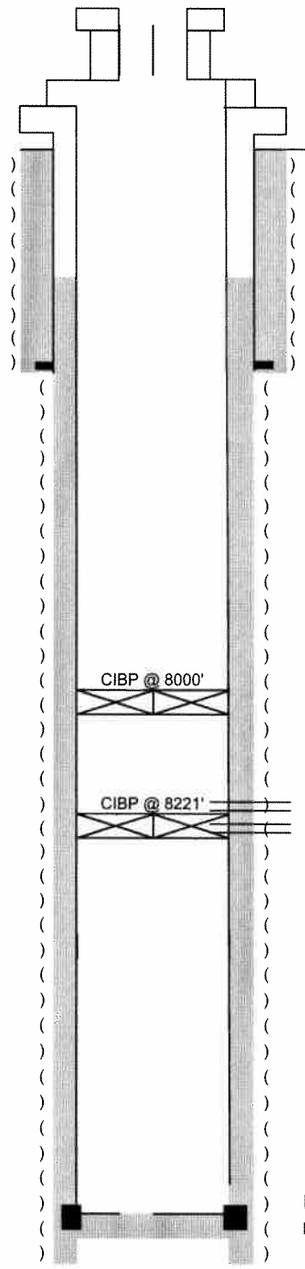
IP WELL TEST:

11-22-88	7-24-89
236 MCF	228 MCF
53 BWPD	2 BWPD
600 psig FTP	60 psig FTP

COMMENTS: Currently producing from perfs located 8054-8160'. Lower perfs(8250-8258) are bridged. Test on perfs located 8133-37' invalid. Probable leaking RBP and fluid coming from 8250-58 zone.

PROPOSED WELLBORE DIAGRAM

Operator:	EnCana Oil & Gas (USA) Inc.
Well Name:	Cedar Bench Federal 6307 (1-28)
Bottom Hole Location:	NE NE Sec 28-T6S-R100W
Surface Hole Location:	NE NE Sec 28-T6S-R100W
Field:	Gasaway
County, State:	Garfield
API Number:	05-045-06572-0000
Diagram Date:	02/26/2010



9 5/8" 36# K-55 to 1352'
cmt to surface

Hole size: 12 1/4"

TOC @ 5350'

Proposed Perfs approx 6300' - 8050'

2 3/8" tubing to designed landing depth

Existing Perfs:

8054 - 8108	Dakota Fm
8133 - 8258'	Dakota Fm

Production casing: 4.5" 11.6# S-95 to 8603'
PBTD: 8548'

Well History

Spud Date:	09/21/1988
Comp Date:	10/16/1988