

State of Colorado  
Oil and Gas Conservation Commission

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



1716581

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MAR 01 2010  
COGCC/Rifle Office

**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	4. Contact Name: Julia M. Carter		
2. Name of Operator: EnCana Oil & Gas (USA) Inc.	Phone: 720.876.5240		
3. Address: 370 17th Street Suite 1700	Fax: 720.876.6240		
City: Denver State: CO Zip: 80202			
5. API Number: 05-103-09971	OGCC Facility ID Number:	Survey Plat	
6. Well/Facility Name: Hells Hole	7. Well/Facility Number: 1-13-2-104	Directional Survey	
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NWNW Sec 13 T2S-R104W, 6th PM		Surface Eqpmt Diagram	
9. County: Rio Blanco	10. Field Name: Hells Hole Canyon	Technical Info Page	X
11. Federal, Indian or State Lease Number: COC-62567		Other	

Complete the Attachment Checklist

OP OGCC

**General Notice**

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

Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer \_\_\_\_\_ attach directional survey

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 **NO**  
 Ground Elevation \_\_\_\_\_ Distance to nearest well same formation \_\_\_\_\_ Surface owner consultation date: \_\_\_\_\_ NA

**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.)**

<input checked="" type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other: _____	for Spills and Releases

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

Signed: Julia M. Carter Date: 2/25/10 Email: julia.carter@encana.com  
 Print Name: Julia M. Carter Title: Regulatory Analyst

COGCC Approved: [Signature] Title: EIT II Date: 4/14/2010

CONDITIONS OF APPROVAL, IF ANY:

Fax → OPR 5/7/2010

Form Processed

## TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

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COGCC/Rifle Office

1. OGCC Operator Number: 100185 API Number: 05-103-09971  
 2. Name of Operator: EnCana Oil & Gas (USA) Inc. OGCC Facility ID #  
 3. Well/Facility Name: Hells Hole Well/Facility Number: 1-13-2-104  
 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW Sec 13 T2S-R104W, 6th PM

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 be 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 PBTB is reached.
3. RDMO slickline truck and report fill tag depth or PBTB 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 inspect tbg. Lay down any bad jts. Last Known tubing run was February 17th, 2000.
4. Based on amount of fill from Slickline Tag. RIH and clean well out 6870 (10' above top perf). POOH with tubing and tools.
5. THH with tubing and full-bore scraper and make scraper run to 6870'. 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 @ 6830', 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. Previous TOC = approx. 1560'.

**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 1 according 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 cement approx 6790'. 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.

Please see attached wellbore diagrams

Please note a Form 2 was also submitted for this procedure

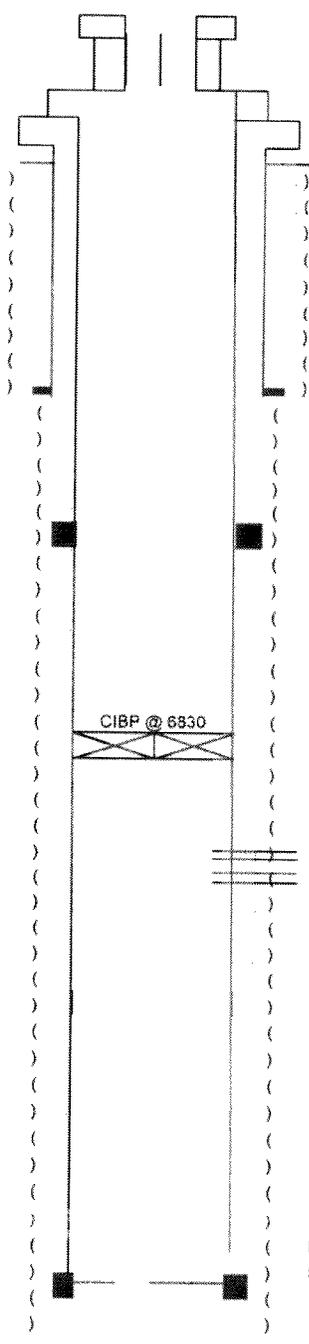
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**PROPOSED WELLBORE DIAGRAM**

Operator: EnCana Oil & Gas (USA) Inc.  
 Well Name: Hells Hole 1-13-2-104  
 Bottom Hole Location: NW NW sec 13-T2S-R104W  
 Surface Hole Location: NW NW sec 13-T2S-R104W  
 Field: Hells Hole Canyon  
 County, State: Rio Blanco  
 API Number: 05-103-099710000  
 Diagram Date: 02/02/2010

**Well History**

Spud Date: 09/24/1999



GL 7181'

12 1/4" Hole Size

TOC @ Approx 1560'

4878' DV cement tool

Proposed Perfs approx 5500 - 6700'

CIBP @ 6830

**Existing Perfs:**

6880' - 6894'	Dakota Fm
6905' - 6916'	Dakota Fm
7008 - 7016'	Dakota Fm
7032 - 7038'	Dakota Fm

PBTD 7871'  
 5-1/2" casing 17# N-80 prod csg @ 7,918'.

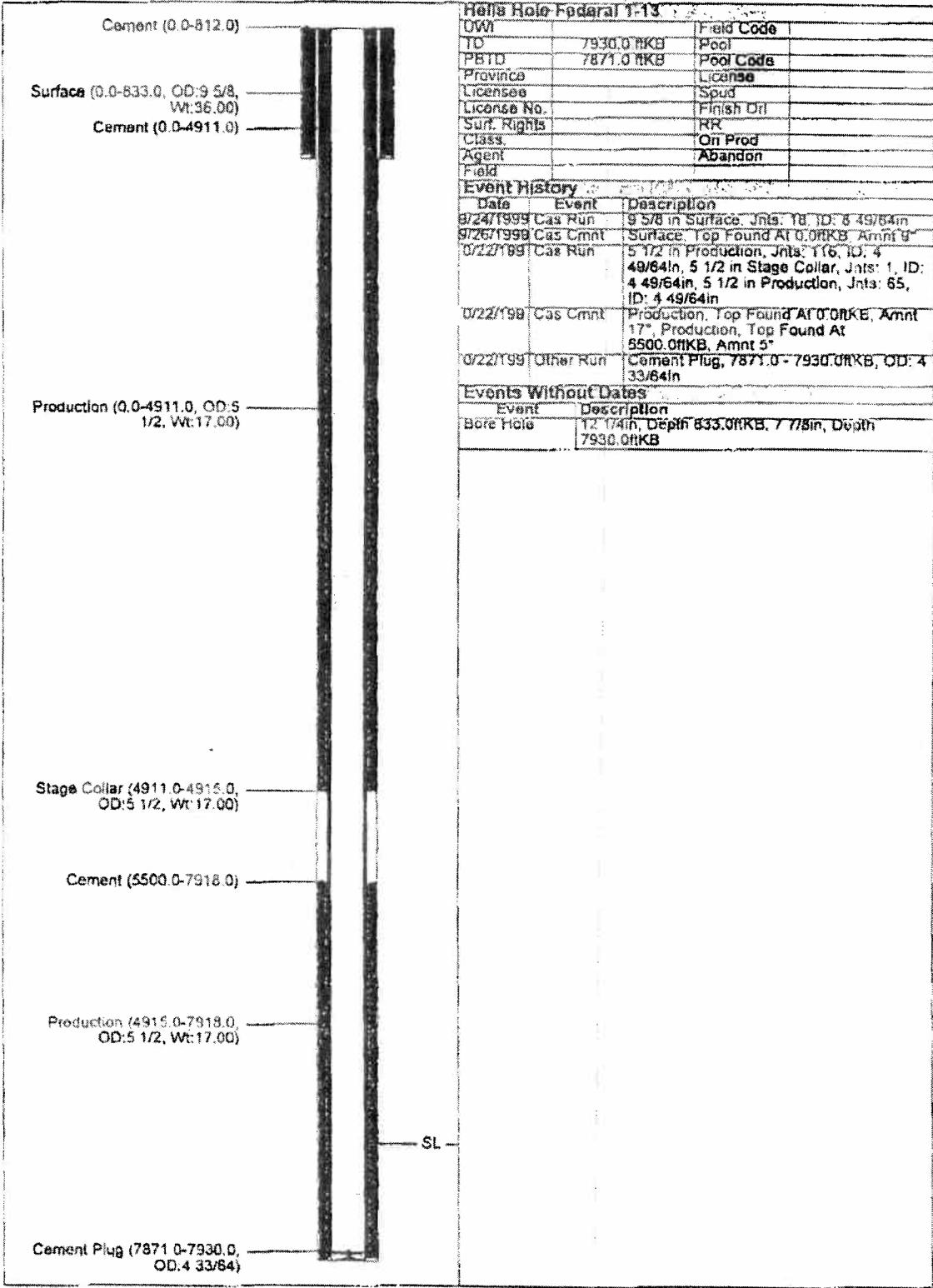
9 5/8" 36# to 833'  
cmt to surface

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Oct-25-88 03:51pm From-COASTAL OIL AND GAS UPSTAIRS SECRETARY +4357917095 T-836 P.03/04 F-638

10/25/1999

*APZ # 05103099910000 6/20*



Field Code	Pool
7930.0 RKB	
Pool Code	License
7871.0 RKB	
Spud	Finish Drl
RR	On Prod
Abandon	

Date	Event	Description
8/24/1999	Cas Run	9 5/8 in Surface, Jnts: 18, ID: 8 49/64in
8/26/1999	Cas Cmnt	Surface, Top Found At 0.0RKB, Amnt 9"
10/22/1999	Cas Run	5 1/2 in Production, Jnts: 116, ID: 4 49/64in, 5 1/2 in Stage Collar, Jnts: 1, ID: 4 49/64in, 5 1/2 in Production, Jnts: 65, ID: 4 49/64in
10/22/1999	Cas Cmnt	Production, Top Found At 0.0RKB, Amnt 17", Production, Top Found At 5500.0RKB, Amnt 5"
10/22/1999	Other Run	Cement Plug, 7871.0 - 7930.0RKB, OD: 4 33/64in

Event	Description
Bore Hole	12 1/4in, Depth 833.0RKB, 7 7/8in, Depth 7930.0RKB