

State of Colorado
Oil and Gas Conservation Commission

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

02121445

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.)

RECEIVED

MAR 23 2012

COGCC/Rifle Office
Complete the Attachment
Checklist

OP OGCC

1. OGCC Operator Number: 100185
2. Name of Operator: Encana Oil & Gas (USA), Inc.
3. Address: 370 17th Street, Suite 1700
City: Denver State: CO Zip: 80202
4. Contact Name: Heather Mitchell
Phone: 720-876-3070
Fax: 720-876-4070
5. API Number 05-045-14543 OGCC Facility ID Number
6. Well/Facility Name: N. Parachute 7. Well/Facility Number CP05B-3 H04 596
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SENE Sec. 4, T5S R96W, 6th PM
9. County: Garfield 10. Field Name: Grand Valley
11. Federal, Indian or State Lease Number:

Survey Plat		
Directional Survey		
Surface Eqmnt Diagram		
Technical Info Page	X	
Other	X	

General Notice

<input type="checkbox"/> 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"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No
	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
Wasatch	WTSC			

☐ Remove from surface bond

Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):Effective Date:
Plugging Bond: ☐ Blanket ☐ Individual☐ CHANGE WELL NAMEFrom: NUMBER
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 STATUSDate 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 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 checked="" type="checkbox"/> Other: Revised Convert to Injection	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: Heather Mitchell Date: 03/23/2012 Email: heather.mitchell@encana.com

Print Name: Heather R. Mitchell Title: Regulatory Analyst

COGCC Approved: Title Date: 3/26/12

CONDITIONS OF APPROVAL, IF ANY:

SAME COA's as are on Form 1 #2541954

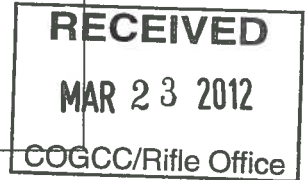
TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number:	100185	API Number:	05-045-14543
2. Name of Operator:	Encana Oil & Gas (USA), Inc. OGCC Facility ID #		
3. Well/Facility Name:	N. Parachute	Well/Facility Number:	CP05B-3 H04 596
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	SENE Sec. 4 T5S R96W, 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

Encana respectfully requests to convert the above referenced well to an injection well. Please find the attached revised procedure and current and proposed wellbore diagrams. An application for injection has also been submitted as well as a recomplete permit doc. 400249777



CONDITIONS OF PERMIT APPROVAL

ENCANA
N. PARACHUTE 3 CP05B-3 H04 596
SENE 4 5S 96W, 6TH
05-045-14543

- 1) BEFORE STIMULATING WELL, CAPTURE WATER SAMPLE FROM THOSE FORMATION(S) REQUESTED FOR INJECTION AND ANALYZE FOR TOTAL DISSOLVED SOLIDS. SUBMIT LAB ANALYSIS TO DENISE ONYSKIW AT DENISE.ONYSKIW@STATE.CO.US.
- 2) INJECTION IS NOT AUTHORIZED UNTIL APPROVAL OF FORM 31 AND 33.
- 3) ^BSUMIT STEP RATE TEST RESULTS TO DETERMINE FORMATION FRACTURE PRESSURE WITH FORMS 31 & ~~32~~ 33
- 4) RUN A CBL ON THE 7" INTERMEDIATE CASING
- 5) SUBMIT UPDATED WELL SCHEMATICS DEPICTING THE GRAY COLORED CEMENT COLUMN OUTSIDE THE SURFACE CASING

EnCana Oil & Gas (USA) Inc.

CP05B-03 H04 596
API: 05045145430000

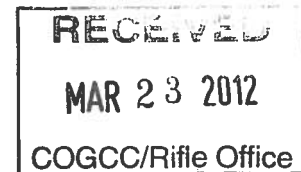
Prepared By: D. Pake Younger
Office: 970-285-2780
Cell: 970-260-2423
Email: pake.younger@encana.com



Injection Well Workover Procedure

1. MIRU Workover Rig
 2. ND Wellhead, NU BOP on top of 7-1/16" 5k valve, Pressure Test BOP
 3. RU wireline unit. Make chemical cut in 4-1/2" casing at 7030. POOH with chemical cutter.
 4. Unland hanger and POOH and LD 4-1/2" casing.
 5. RU wireline unit. RIH set 4-1/2" 10K CIBP @ 7180'. Spot 200' balanced cement plug on top of CIBP. RDMO Workover rig.
 6. Pull CBL across 7" casing to verify cement top. Notify engineering of observed cement top. RD wireline unit.
 7. Pressure test CIBP and wellbore to 5000 psi & chart. (If press test fails call Engineer).
 8. RU Wireline and Perf stage 01 per Frac Design.
 9. RU Workover rig, Install tubing, perform breakdown, swab back breakdown load plus 1 bbl obtain water sample and label as formation water.
 10. Pull tubing, RDMO Workover rig.
 11. RU Frac crew. Perf and frac injection zones as per design (5282' – 6880') (Wasatch and Wasatch G). RD Frac crew and wireline.
 12. Perform Step-Rate Test (SRT) with Bottom-hole gauges. See Appendix B for Step Rate Test Procedure.
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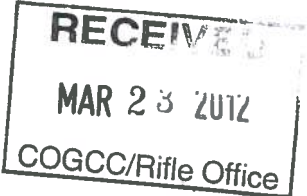
13. MIRU Service rig. RIH with XXXXXXXX" coated tubing and Nickel-coated packer, and one joint of tubing below. Set packer at 5200' (above Wasatch G). Land in hanger, ND 7-1/16" 5k valve.
14. Perform Injectivity test with final injection assembly installed. Injectivity Test Procedure TBD based on Frac Gradient.
15. MIT backside to 2500 psi (possibly greater, depending on Final injection pressure).
16. Call state and notify of MIT. Perform MIT to 2500 psi. Chart test and have state representative on location for witness.



Appendix A: Frac Procedure:

TBD Based on CBL.





Appendix B: Step-Rate Test (SRT) Procedure:

- 1. RU Slickline and Install downhole memory gauges (low resolution data gather – 1 data point per minute). Land gauges at XXXXXXXX’.
- 2. RU Pump Crew (Cement Pump). Record surface pressure and pump rate.
- 3. Begin pumping at 4 bpm until hole is full. Record Volume to fill hole. Pump Schedule as follows:

Step #	Rate (bpm)	Duration (mins)	Volume (bbls)	Cum Volume (bbls)
1	6	30	180	180
2	8	30	240	420
3	10	30	300	720
4	12	30	360	1080

- 4. After Step 04, SD and record casing pressure at surface for four hours.
- 5. Retrieve downhole memory gauges, download and send data to pake.younger@encana.com for analysis.

RECEIVED
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COGCC/Rifle Office

GL: 8,270'
KB: 8287'
Updated: 1-27-12 TMG
Current

Spudded: 9/5/07
Stimulation Finished:

NPM CP05B-03 H04 596
ConocoPhillips
Piceance Basin
Garfield County, CO
API: 0504514543

0-5 8deg. inclination @ 0-1986'MD

TOC @ 1,819' (from CBL)

Sfc Csg: 9 625"x 8 921" 36# J-55
@ 2019'KB
14 750' bit @ 2030'KB

0-18.5 deg. Inclination @1986'-7364'MD

Wireline reported tight spot @ ~ 5,800' (05/07/0

0-6.93 deg. Inclination @ 11,200'-TD

TOC @ 7,030' (from CBL)

Int. Csg: 7 0" x 6 366" 23# N-80
@ 7759'KB
8 75" bit @ 7870'KB

No perforations

Note:
Pressure test failed on 5/06/08
From 9,500 PSI to 1,000 PSI

PBTD: 11 020' (Wireline Tag 05/07/08)
CIBP: 11 170' (Dump Bail 22' Cmt on Top 05/04/08)

Marker jts: 38 47' @ 10352' 38 43' @ 8807' 38 47' @ 7;
38 43' @ 5261'
Prod. Csg: 4 5" x 3 92" 13 5# P-110 @ 11174'KB
6 125" bit @ 11200'KB
Float Shoe @ 11,174KB (Wet Shoe)

Appendix C: Proposed Final Wellbore Schematic

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