

LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

Total Acres in Described Lease: _____ Described Mineral Lease is: ☒ Fee ☐ State ☐ Federal ☐ Indian
Federal or State Lease # _____
Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: _____ Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 455 Feet
Building Unit: 500 Feet
High Occupancy Building Unit: 4041 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 600 Feet
Above Ground Utility: 510 Feet
Railroad: 1320 Feet
Property Line: 62 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: ☒ Buffer Zone
☒ Exception Zone
☒ Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 3817 Feet
Distance from Completed Portion of Wellbore to Nearest Unit Boundary 660 Feet (Enter 5280 for distance greater than 1 mile.)
Federal or State Unit Name (if appl): _____ Unit Number: _____

SPACING & FORMATIONS COMMENTS

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
J SAND	JSND	0	80	S/2NW

DRILLING PROGRAM

Proposed Total Measured Depth: 8016 Feet
Distance to nearest permitted or existing wellbore penetrating objective formation: 1637 Feet (Including plugged wells)
Will a closed-loop drilling system be used? _____
Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? _____ (If Yes, attach an H₂S Drilling Operations Plan)
Will salt sections be encountered during drilling? _____

Will salt based (>15,000 ppm Cl) drilling fluids be used? _____

Will oil based drilling fluids be used? _____

BOP Equipment Type: ☐ Annular Preventor ☐ Double Ram ☐ Rotating Head ☐ None

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 318A

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: _____ Drilling Fluids Disposal Methods: _____

Cuttings Disposal: _____ Cuttings Disposal Method: _____

Other Disposal Description: _____

Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	12+1/4	8+5/8	24	0	209	175	209	0
OPEN HOLE	7+7/8			209	8016			

☐ Conductor Casing is NOT planned

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☐ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318A.a. Exception Location (GWA Windows).
- ☐ Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

☒ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number 305.d

OTHER LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318.c. Exception Location from Rule or Spacing Order Number _____
- ☐ Rule 603.a.(2) Exception Location (Property Line Setback).

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

The purpose of this re-entry is to adequately re-plug this well.

Procedure:

1. 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.
2. Locate P&Aed well bore. Dig up and weld on flanges.
3. MIRU pulling unit. NU BOP.
4. Drill out surface cement plug, cement plug @ 123' and cement plug @ 1150' and circulate down to 7200'.
5. Establish circulation at 7200' and pump a 200 sx, class G cement, balanced plug.
6. Pull up hole to 1300'
7. Establish circulation at 1300' and pump a 350 sx, class G cement, balanced plug.
8. Spot 5 sxs of class G cement in the top of the surface casing.
9. WOC
10. Top off casing and annulus with cement as necessary.
11. ND BOP, RDMO pulling unit.
12. Cut off casing 4' below ground level.
13. Weld on metal plate and dry hole marker.
14. Restore surface location.
15. Ensure all cement tickets are mailed or emailed to the Denver office for subsequent reporting.

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 406796

Is this application being submitted with an Oil and Gas Location Assessment application? No

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

Signed: _____ Print Name: Erin Lind

Title: Permitting Analyst Date: 11/22/2013 Email: erin.lind@encana.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved:  Director of COGCC Date: 12/13/2013

Expiration Date: 12/12/2015

API NUMBER

05 123 09422 00

Conditions Of Approval

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

COA Type

Description

	Note changes to plugging procedure. 1) Provide 24 hour notice of MIRU to Randell Johnson at 303-655-7472 or e-mail at randell.johnson@state.co.us. 2) Leave at least 100' cement in the wellbore for each plug. 3) For 7200' plug: move to 3000'. 4) For 1300' plug: pump 60 sxs plug and displace, shut-in, WOC 4 hours and tag plug-pump 290 sxs plug and displace, shut-in, WOC 4 hours and tag plug-must be 159' or higher. 5) If shoe plug not circulated to surface then place 5-10 sx inside casing at surface. 5) Operator must provide well location GPS coordinates on Subsequent Report of Abandonment in accordance with COGCC As-Built Location Policy and Rule 215.
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Best Management Practices

No BMP/COA Type

Description

1	Planning	Since no as-built well location GPS data has been reported for this well, Encana will obtain the data and submit it on the Form 6 Subsequent Report of Abandonment.
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Total: 1 comment(s)

Attachment Check List

Att Doc Num

Name

2114406	WAIVERS
2482524	SURFACE CASING CHECK
400484380	FORM 2 SUBMITTED
400514675	PROPOSED PLUGGING PROCEDURE
400514676	WELLBORE DIAGRAM
400514678	WELLBORE DIAGRAM
400517460	VARIANCE REQUEST
400517731	SURFACE AGRMT/SURETY

Total Attach: 8 Files

General Comments

User Group

Comment

Comment Date

Permit	Received Director approval Ready to pass.	12/13/2013 10:07:24 AM
Permit	Received LGD waiver for 20 day comment period. WO Director approval.	12/5/2013 8:55:01 AM
Permit	Changed the well to vertical. Approved by operator. Operator concurred with closest well evaluations. WO LGD waiver of 20 day comment period.	11/29/2013 8:20:12 AM
Permit	Well is marked directional; SHL and BHL are the same. Confirming with operator. Requested waiver of 20 day comment period from LGD. Adam Ten 1A is closest well permitted/completed in same formation at 3817'. Lochbuie 1 is closest well penetrating the same formation at 1637'. Unchecked 604b.1.A box on Exceptions tab. Checked the 502b Variance Exception box on Exceptions tab	11/26/2013 2:37:19 PM

Total: 4 comment(s)