

FORM
2
Rev
08/16

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:
401878490

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter Recomplete and Operate

Date Received:

TYPE OF WELL OIL GAS COALBED OTHER Unplanned
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Refiling
Sidetrack

Well Name: Sup & Shep Well Number: 0993-25-16W
Name of Operator: LARAMIE ENERGY LLC COGCC Operator Number: 10433
Address: 1401 SEVENTEENTH STREET #1400
City: DENVER State: CO Zip: 80202
Contact Name: Joan Proulx Phone: (970)263-3641 Fax: ()
Email: jproulx@laramie-energy.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20120081

WELL LOCATION INFORMATION

QtrQtr: NESW Sec: 25 Twp: 9S Rng: 93W Meridian: 6
Latitude: 39.244824 Longitude: -107.723349
Footage at Surface: 2402 Feet FNL/FSL FSL 1775 Feet FEL/FWL FWL
Field Name: BUZZARD CREEK Field Number: 9500
Ground Elevation: 8078 County: MESA
GPS Data:
Date of Measurement: 03/05/2018 PDOP Reading: 1.5 Instrument Operator's Name: T Sherrill
If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
864 FSL 1474 FWL 864 FSL 1474 FWL
Sec: 25 Twp: 9S Rng: 93W Sec: 25 Twp: 9S Rng: 93W

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: Fee State Federal Indian
The Surface Owner is: is the mineral owner beneath the location.
(check all that apply) is committed to an Oil and Gas Lease.
 has signed the Oil and Gas Lease.
 is the applicant.
The Mineral Owner beneath this Oil and Gas Location is: Fee State Federal Indian
The Minerals beneath this Oil and Gas Location will be developed by this Well: No
The right to construct the Oil and Gas Location is granted by: Surface Use Agreement
Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

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.)

See attached mineral lease description

Total Acres in Described Lease: 1574 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: 349 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 820 Feet
Building Unit: 1104 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 5280 Feet
Above Ground Utility: 5280 Feet
Railroad: 5280 Feet
Property Line: 546 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: 03/26/2018

SPACING and UNIT INFORMATION

Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 258 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 864 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): _____ Unit Number: _____

SPACING & FORMATIONS COMMENTS

CA COC 076718

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
WILLIAMS FORK-ILES	WFILS	369-12	640	Section 25: All

DRILLING PROGRAM

Proposed Total Measured Depth: 8789 Feet

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:

Enter distance if less than or equal to 1,500 feet: _____ Feet No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H₂S Drilling Operations Plan)

Will salt sections be encountered during drilling? No

Will salt based (>15,000 ppm Cl) drilling fluids be used? No

Will oil based drilling fluids be used? No

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 609

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Recycle/reuse

Cuttings Disposal: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

See attached Cuttings Management Plan

Beneficial reuse or land application plan submitted? No

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
CONDUCTOR	26	16	36.9	0	90	100	90	0
SURF	11	8+5/8	24	0	1556	259	1556	0
1ST	7+7/8	4+1/2	11.6	0	8789	1423	8789	1030

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 _____

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

a. Description of the situation that has resulted in an UNPLANNED sidetrack: While pumping production cement job with casing on bottom, string pressure up as bottom plug landed on float collar. Circulation was unable to be established. Cement was drilled out to the production casing shoe with the drilling rig and perforations were shot at 8568' in attempt to break circulation. This was not successful so casing was cut at 5700' (depth of free pipe) and pulled. Abandonment plug will be set right above fish top in the Williams Fork/Ohio Creek formation.

b. Total measured depth reached in the wellbore being plugged back: 8706'

c. Casing set – size(s) and measured depth(s): Conductor 16" set at 90'; surface 8 5/8" set at 1556'

d. Description of fish in the hole (if any) – including top and bottom measured depths: 4-1/2" 11.6# P-110IC casing from 5700'-8696'

e. Description of proposed plugs: setting measured depths, heights, and cement volumes: Plug #1 5500'-4900', 600' height, 228 sacks; Plug #2 3000'-2400', 600' height, 264 sacks

f. Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk): Plug #1 Neat G cement, 15.8 ppg, 1/15 cf/sk; Plug #2 PlugCem, 17 ppg, 0.99 cf/sk

g. Measured depth of proposed sidetrack kick-off point: 3000'-2400'

h. Proposed objective formation(s) for sidetrack hole – new or same as the wellbore being abandoned: Same (WFILS)

i. BHL Target for sidetrack hole – new or same as the wellbore being abandoned (NOTE: a change in the BHL must be reviewed and approved by COGCC Permitting prior to completing the sidetrack. Drilling a sidetrack to an unapproved BHL could result in an NOAV, plugging the well, or both): New. 864 FSL, 1474 FWL, 39.240668, -107.724354

j. Verbal/email approval to plug back and sidetrack – indicate the name of the COGCC Engineer who granted verbal/email approval, as described in Step 1.b., and the date approval granted: Craig Burger granted approval on 12/17/2018.

This application is in a Comprehensive Drilling Plan No CDP #: _____

Location ID: 334440

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: Joan Proulx

Title: Regulatory Analyst Date: _____ Email: jproulx@laramie-energy.com

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: _____

Expiration Date: _____

API NUMBER

05 077 10579 01

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

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Best Management Practices

No BMP/COA Type

Description

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Attachment Check List

Att Doc Num

Name

401878526	WELLBORE DIAGRAM
401878535	WELL LOCATION PLAT
401878541	CORRESPONDENCE
401878590	OTHER
401878620	WELLBORE DIAGRAM
401878640	DIRECTIONAL DATA
401878646	DEVIATED DRILLING PLAN
401878649	DEVIATED DRILLING PLAN

Total Attach: 8 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)

Public Comments

No public comments were received on this application during the comment period.