

FORM
2

Rev
12/20

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:

402600533

(SUBMITTED)

Date Received:

APPLICATION FOR PERMIT TO:

☒ Drill ☐ Deepen ☐ Re-enter ☐ Recomplete and Operate

Amend ☒

TYPE OF WELL OIL ☐ GAS ☒ COALBED ☐ OTHER: _____

Refill ☒

ZONE TYPE SINGLE ZONE ☒ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐

Sidetrack ☐

Well Name: CC Well Number: 0697-03-09E
Name of Operator: LARAMIE ENERGY LLC COGCC Operator Number: 10433
Address: 1401 17TH STREET SUITE #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

Surface Location

QtrQtr: Lot 11 Sec: 3 Twp: 6S Rng: 97W Meridian: 6
Footage at Surface: 2168 Feet FNL/FSL 2337 Feet FEL/FWL
Latitude: 39.558432 Longitude: -108.205082
GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 03/12/2019
Ground Elevation: 8438
Field Name: GRAND VALLEY Field Number: 31290

Well Plan: is ☒ Directional ☐ Horizontal (highly deviated) ☐ Vertical

If Well plan is Directional or Horizontal attach Deviated Drilling Plan and Directional Data.

Subsurface Locations

Top of Productive Zone (TPZ)

Sec: 3 Twp: 6S Rng: 97W Footage at TPZ: 1933 FNL 683 FEL
Measured Depth of TPZ: 7475 True Vertical Depth of TPZ: 7268 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 3 Twp: 6S Rng: 97W Footage at TPZ: 1933 FNL 683 FEL
Measured Depth of TPZ: 10455 True Vertical Depth of TPZ: 10248 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 3 Twp: 6S Rng: 97W Footage at BHL: 1933 FNL 683 FEL
FNL/FSL FEL/FWL

LOCAL GOVERNMENT PERMITTING INFORMATION

County: GARFIELD

Municipality: N/A

Is the Surface Location of this Well in an area designated as one of State interest and subject to the requirements of § 24-65.1-108 C.R.S.? No

Per § 34-60-106(1)(f)(I)(A) C.R.S., the following questions pertain to the Relevant Local Government approval of the siting of the proposed Oil and Gas Location.

SB 19-181 provides that when "applying for a permit to drill," operators must include proof that they sought a local government siting permit and the disposition of that permit application, or that the local government does not have siting regulations. § 34-60-106(1)(f)(I)(A) C.R.S.

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this Location? ☐ Yes ☒ No

☐ If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.

The disposition of the application filed with the Relevant Local Government is: Waived Date of Final Disposition: _____

Comments: Laramie Energy, LLC, has contacted Garfield County, the local government with jurisdiction over the siting of this proposed oil and gas location and determined that per the Garfield County Land Use and Development Code, Table 3-403, "Oil and Gas Drilling and Production" and "Hydraulic Fracturing, Remote Surface Location" are a use by right or Exempt from Land Use Regulation at this site. Garfield County's disposition is not required for the purposes of this submittal.

SURFACE AND MINERAL OWNERSHIP AT WELL'S OIL & GAS LOCATION

Surface Owner of the land at this Well's Oil and Gas Location: ☒ Fee ☐ State ☐ Federal ☐ Indian

Mineral Owner beneath this Well's Oil and Gas Location: ☒ Fee ☐ State ☐ Federal ☐ Indian

Surface Owner Protection Financial Assurance (if applicable): _____ Surety ID Number (if applicable): _____

MINERALS DEVELOPED BY WELL

The ownership of all the minerals that will be developed by this Well is (check all that apply):

- ☒ Fee
☐ State
☐ Federal
☐ Indian
☐ N/A

LEASE INFORMATION

Using standard QtrQtr, Section, Township, Range format describe one entire mineral lease as follows:

* If this Well is within a unit, describe a lease that will be developed by the Well.

* If this Well is not subject to a unit, describe the lease that will be produced by the Well.

(Attach a Lease Map or Lease Description or Lease if necessary.)

See attached Mineral Lease Map

Total Acres in Described Lease: 12120 Described Mineral Lease is: ☒ Fee ☐ State ☐ Federal ☐ Indian

Federal or State Lease # _____

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 5280 Feet
Building Unit: 5280 Feet

INSTRUCTIONS:

- Specify all distances per Rule 308.b.(1).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest

Public Road: 5280 Feet
Above Ground Utility: 3676 Feet
Railroad: 5280 Feet
Property Line: 1059 Feet

Building is a Building Unit, enter same distance for both.
- Building Unit – as defined in 100 Series Rules.

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 | 510-70 | 871 | Sec 3: All |

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

SUBSURFACE MINERAL SETBACKS

Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 683 Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: 346 Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: Feet

Exception Location

☐ If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers.

SPACING & FORMATIONS COMMENTS

Well is located in CA COC 79101.

DRILLING PROGRAM

Proposed Total Measured Depth: 10455 Feet

TVD at Proposed Total Measured Depth 10248 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 Plan unless a plan was already submitted with the Form 2A per Rule 304.c.(10).

Will there be hydraulic fracture treatment at a depth less than 2,000 feet in this well? No

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

Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

CASING PROGRAM

| Casing Type | Size of Hole | Size of Casing | Grade | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top |
|-------------|--------------|----------------|--------|-------|---------------|---------------|-----------|---------|---------|
| CONDUCTOR | 26 | 18 | NA | 47.44 | 0 | 60 | 100 | 60 | 0 |
| SURF | 14+3/4 | 9+5/8 | J55 | 36 | 0 | 2530 | 1130 | 2530 | 0 |
| 1ST | 8+3/4 | 4+1/2 | P110IC | 11.6 | 0 | 10455 | 1612 | 10455 | 2030 |

☐ Conductor Casing is NOT planned

POTENTIAL FLOW AND CONFINING FORMATIONS

| Zone Type | Formation /Hazard | Top M.D. | Top T.V.D. | Bottom M.D. | Bottom T.V.D. | TDS (mg/L) | Data Source | Comment |
|-------------------|-------------------|----------|------------|-------------|---------------|------------|-------------|---|
| Groundwater | Uinta | 0 | 0 | 1135 | 1119 | 0-500 | CGS | N/A |
| Subsurface Hazard | Mahogany | 1135 | 1119 | 3134 | 3053 | | | |
| Confining Layer | Wasatch | 3134 | 3053 | 4804 | 4668 | | | |
| Hydrocarbon | Wasatch G | 4804 | 4668 | 5058 | 4914 | | | |
| Hydrocarbon | Fort Union | 5058 | 4914 | 6747 | 6548 | | | |
| Subsurface Hazard | Ohio Creek | 6747 | 6548 | 6937 | 6733 | | | |
| Hydrocarbon | Williams Fork | 6937 | 6733 | 10455 | 10248 | | | This hydrocarbon zone includes the Williams Fork, Cameo, Rollins, Cozzette and Corcoran formations. |

The subreport 'Submit' could not be found at the specified location W:\Inetpub\Net\Reports\Form2\02_Submit_7.rdlc. Please verify the path.

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

| | |
|--|---|
| | Returned to draft - Well Name and API Number (or document number if pending APD) not provided of the nearest "offset wellbore permitted or completed in the same formation" in the Operator Comments on the Submit Tab. |
|--|---|

Best Management Practices

| <u>No</u> | <u>BMP/COA Type</u> | <u>Description</u> |
|-----------|--------------------------------|---|
| 1 | Drilling/Completion Operations | Alternative Logging Program: One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs will state "Alternative Logging Program - No open-hole logs were run" and will clearly identify the type of log and the well (by API#) in which open-hole logs were run. OH Logs were run on the CC 0697-03-13W (API# 05-045-23794) and the CC 0697-03-17W (API#05-045-23815). |

Total: 1 comment(s)

Attachment List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|------------------------|
| 402601849 | MINERAL LEASE MAP |
| 402601850 | WELL LOCATION PLAT |
| 402601854 | DEVIATED DRILLING PLAN |
| 402601857 | DEVIATED DRILLING PLAN |
| 402601863 | DIRECTIONAL DATA |
| 402607258 | OTHER |

Total Attach: 6 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
| | | Stamp Upon Approval |

Total: 0 comment(s)

Public Comments

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

