

2023 Carrier BCU 0993-16-07 OGD

Plan of Development

ECMC Rule 304 - Form 2A Oil and Gas Location Assessment Application



Photo 1. Location of Proposed Carrier BCU 0993-16-07 Well Pad - Facing South



**Laramie Energy, LLC
760 Horizon Drive, Suite 101
Grand Junction, CO 81506**

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1. OIL AND GAS LOCATION ASSESSMENT APPLICATION – ECMC RULE 304.

Laramie Energy, LLC (Laramie) (Operator # 10433) is pursuing a Form 2A for an Oil and Gas Location Assessment permit in Mesa County, Colorado. The Currier BCU 0993-16-07 well pad (Currier 16-07) is a proposed, new location. Laramie is proposing to drill twenty-three (23) new directional wells at the Currier 16-07 in Section 16 of Township 9 South, Range 93 West, 6th P.M. The Currier 16-07 will develop fee and federal minerals.



Photo 2. Currier BCU 0993-16-07 Well Pad Location – Facing Northeast

The site's location is within Laramie's North Vega operations area and will be tied into existing infrastructure to minimize dust and traffic impacts. Laramie operates facilities in the area that will support operations at the Currier 16-07.

Laramie has spent a significant amount of time and resources surveying and platting different scenarios until the Currier 16-07 was selected as the preferred and protective location to reach the targeted minerals. The Currier 16-07 will allow Laramie to construct a well pad in topographically challenging terrain.

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Laramie will utilize a closed-loop drilling system at the Currier 16-07. Only water-based bentonite drilling fluids, not oil-based fluids, will be utilized for the twenty-three (23) new directional natural gas wells. The site will operate in accordance with applicable local, state, and Federal regulations.

OGDP Title: 2023 Currier BCU 0993-16-07 OGD

Location Name: Currier BCU 0993-16-07

Location ID: New Location

Legal Description: SWNE of Section 16, Township 9 South, Range 93 West, 6th P.M.

Location Coordinates: Latitude: 39.277789°; Longitude: -107.773701°

Elevation: 7456 feet

County: Mesa

General Location: 9.5 mapped miles east of Collbran, Colorado.

Zone District: Agricultural, Forestry, Transitional District (AFT)

Surface Owner: Carlyle W. Currier & Dawn M. Currier

The surface lands are privately owned. Laramie has an established Surface Use Agreement (SUA) with the Surface Owner for development proposed in the 2023 Currier BCU 0993-16-07 OGD. Surface Owner details are provided in **Table 16**.

The well pad is located 12 access (travel/access) miles east of Collbran, Colorado. The Currier 16-07 is located approximately 2690 feet north (mapped distance) from the nearest public road, Highway 330.

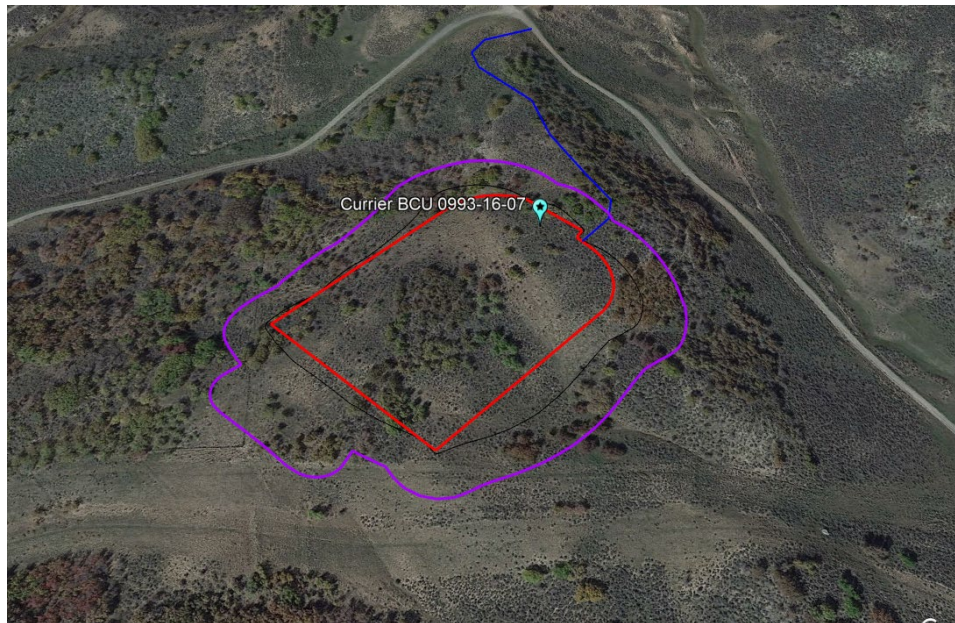


Figure 1. Aerial Imagery of the Currier BCU 0993-16-07 Project Area

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Operations will be conducted in the following phases at the Currier 16-07: construction, drill rig mobilization, drilling, production installation, completions and flowback (including equipment mobilization, staging, and demobilization), production, interim reclamation, inspections, and final grading/reclamation of the site. Inspection activities will occur during the lifespan of the site. Laramie anticipates that the well pad will remain in production for approximately 30 years, based on the average lifespan of wells within the area. **Table 1** details the anticipated timeframe for each operational phase. Laramie anticipates continuous drilling, completions, and flowback operations in order to reduce the number of pre-production days needed to develop the proposed twenty-three (23) wells.

Table 1. Timeframe for Operational Phases

Phase/Activity /Stage	Timeframe (Days)
Construction	30
Drilling Mobilization	4
Drilling	104
Drilling Demobilization	4
Production Installation	21
Completions Mobilization	10
Completions and Flowback	58
Completions Demobilization	10
Interim Reclamation	14
Total Pre-Production Timeframe	255
Production	Up to 30 years
Inspection Activities	Will Occur During All Phases

Table 2 provides details on time internal for the completions and flowback occupation stages. At the time of permit application preparation, Laramie anticipates one (1) occupation for completions and flowback operations with several stages of completions and drill out.

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Table 2: Completions and Flowback Time Interval and Stages

Stage	Time Interval (Days)	Details of Activities
Initial Staging for Completions and Flowback	10	Initial mobilization and set up for completions and flowback equipment. Occurs once prior to the commence of completions and flowback. Traffic numbers are averaged for this activity.
1 st Stage	9	6 wells. Completions and flowback operations occurring during this stage. 1.5 days per well to complete resulting in 9 days total for this stage.
Drill Out/Run Tubing	6	Approximately 1 day per well. Flowback activities will occur during the drill out stage.
2 nd Stage	9	6 wells. Completions and flowback operations occurring during this stage. 1.5 days per well to frack, resulting in 9 days total for this stage.
Drill Out/Run Tubing	6	Approximately 1 day per well. Flowback activities will occur during the drill out stage.
3 rd Stage	9	6 wells. Completions and flowback operations occurring during this stage. 1.5 days per well to frack, resulting in 9 days total for this stage.
Drill Out/Run Tubing	6	Approximately 1 day per well. Flowback activities will occur during the drill out stage.
4 th Stage	7.5	5 wells. Completions and flowback operations occurring during this stage. 1.5 days per well to frack, resulting in 7.5 days total for this stage.
Drill Out/Run Tubing	5	Approximately 1 day per well. Flowback activities will occur during the drill out stage.
Takedown	10	Removal of equipment and de-mobilization. Equipment is transported off location.

If approved, the proposed well pad will be constructed to create an approximate 4.1 acre Working Pad Surface (WPS) to accommodate drilling equipment, piping, a truck/equipment turn-around location, and facilities for twenty-three (23) directional gas wells developing fee and federal minerals. The Area of Disturbance for the Currier 16-07 well pad, including cut and fill slopes and soil stockpiles, will be approximately 9.0 acres. Acreage disturbance for the project is detailed in **Table 3**.

Construction of the Currier 16-07 site-specific access road will result in 1.0 acres of new disturbance to construct a new segment of road. Approximately 883 feet of new access road would be constructed to access the subject well pad.

Approximately 781 feet of 8-inch welded steel gas gathering line and approximately 781 feet of 4-inch Flexpipe water gathering line will be required to tie into Laramie’s existing 16-inch gas gathering line and 4-inch Flexpipe waterline adjacent to the proposed pad. The pipeline will be installed south of the Currier 16-07 pad and within an existing pipeline corridor. The gas pipeline and water gathering line will result in 0.9 acres of short-term disturbance but will be installed within previously disturbed surface. Once the pipelines are installed, the disturbance will be immediately reclaimed.

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Interim reclamation will begin after all wells are drilled and completed as planned with production facilities installed at the Currier 16-07. During interim reclamation, the cut and fill slopes will be reshaped and contoured, reclaiming approximately 6.9 acres. The Production Pad Surface (long-term well pad disturbance) will be 2.1 acres. The total long-term disturbance associated with this pad and access road will be 3.1 acres.

Table 3. Disturbance Acreage

Well Pad		Disturbance in Acres	
Area of Disturbance		9.0	
Working Pad Surface		4.1	
Area to be Interim Reclaimed		6.9	
Production Pad Surface (after Interim Reclamation)		2.1	
Access Road		Disturbance in Acres	
Proposed Access Road Acreage (883 feet length)		1.0	
Pipeline		Disturbance in Acres	
Proposed Pipeline* (781-foot Segment) (Installed in Previously Disturbed Pipeline ROW)		0.9	
Disturbance Totals - Acres			
New	Previously Disturbed	Short-term	Long Term
10	0.9	10.9	3.1

2. FORM 2A. SUBMITTAL - ECMC RULE 304.a.

In accordance with the Colorado Energy and Carbon Management Commission’s (referred to hereinafter as ECMC or the Commission) Rule 304.a.(1) *Surface disturbance at a site previously undisturbed by Oil and Gas Operations*, Laramie is submitting a Form 2A to permit a new, proposed ECMC Location.

ECMC OGD Form	Document #
Form 2A	403339067
Form 2B	403342293
Form 2C	403342317

3. LESSER IMPACT AREAS EXEMPTION REQUEST - ECMC RULE 304.d.

Pursuant to ECMC Rule 304.d.(2), Operators may request an exemption from the Director in writing, without proceeding through the ordinary Rule 502 variance process. Laramie is requesting a Lesser Impact Area (LIA) exemption pursuant to Commission Rule 304.d. from the following Form 2A plans:

- Rule 304.c.(2) Noise Mitigation Plan; and
- Rule 304.c.(3) Light Mitigation Plan.

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Laramie requests this exemption from the Director based on evidence showing the plans are unnecessary because impacts to the resource will be so minimal as to pose no concern. There are no Residential Buildings Units (RBUs) within 2,000 foot radius of the Currier 16-07 WPS and the 16-07 is not located within an HPH. There are no High Occupancy Buildings Units (HOBUs), Schools, or Child Care Centers within a one-mile radius of the Currier 16-07 WPS. The LIA exemption request letter is provided in the Form 2A application.

4. WAIVERS

A third-party consultant prepared and conducted field evaluations of surface water near the proposed Currier 16-07. Mapping indicated an unnamed intermittent stream exists 476 feet from the WPS. The Currier 16-07 Pad is located outside of any ECMC defined High Priority Habitats; however, an unnamed intermittent stream is located within 500 feet of the Currier 16-07. Part of the Operating Requirements of the ECMC 1200 Series includes ECMC Rule 1202.a.(3) which states, *“At new and existing Oil and Gas Locations, Operators will not situate new staging, refueling, or Chemical storage areas within 500 feet of the Ordinary High Water Mark (“OHWM”) of any river, perennial or intermittent stream, lake, pond, or wetland.”*

Laramie requested a waiver from Colorado Parks and Wildlife (CPW) to Rule 1202.a.(3). On June 6, 2023, Laramie contacted CPW to notify of the unnamed intermittent stream within 500 feet of the Currier 16-07 WPS. During the June 12th, 2023, Pre-Application Onsite Meeting, an ephemeral stream was also identified as a CPW staff was able to observe the unnamed intermittent stream and surface features existing between the stream and the proposed WPS. Laramie and CPW discussed best management practices including re-establishing the borrow ditch, PE designed stormwater control features, emergency spill response trailer staging, and emergency spill kits.

On July 17, 2023, Laramie emailed CPW a formal waiver request for ECMC Rule 1202.a.(3). The waiver request letter included proposed mitigation efforts to reduce potential impacts to the drainages within 500 feet. The waiver request also included attachments prepared by a WestWater Engineering, Inc: hydrology and wildlife maps, Sensitive Area Determination, and HPH Assessment. On July 19, 2023, CPW approved the waiver request for Rule 1202.a.(3) under the authority provided by Rule 1202.a. The written waiver allows Laramie to locate chemical storage tanks within 500 feet of the unnamed drainages based on proposed best management practices, surrounding topography, and site-specific conditions. The granted waiver request is provided in the CPW Waiver Attachment (attached to the Form 2A).

5. PRE-APPLICATION CONSULTATION

During the preparation of the OGD application, two virtual Pre-Applications were conducted. On May 25, 2023, a virtual Pre-Application Meeting with ECMC and CPW staff

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was held. Laramie presented a PowerPoint presentation to attendees. The presentation included information regarding general location details, photos, proposed number of wells, and proposed operations. ECMC provided summary notes of the meeting to Laramie on June 7, 2023. On June 1, 2023, Laramie and the BLM attended a virtual Pre-Application. Both virtual Pre-Application meetings were conducted prior to the onsite.

Table 4. Virtual Pre-Application Consultation Summary

Date	Meeting	Regulatory Agency
May 25, 2023	Virtual OGDG Pre-Application Meeting	<ul style="list-style-type: none"> • ECMC Staff • CPW Staff
June 1, 2023	Virtual Pre-Application Meeting	BLM

A Pre-Application onsite was conducted on June 12, 2023, with regulatory agencies.

**Table 5. Pre-Application Onsite Attendance
June 12, 2023 - First Onsite Meeting**

Attendees	Invited - Did Not Attended
BLM	ECMC
CPW	CDPHE
Mesa County	Plateau Valley Fire Protection District
WestWater Engineering	
Laramie Representatives	
D.R. Griffin and Associates	
Moody Construction	

After the onsite on June 13th, 2023, Laramie emailed draft summary notes to those who attended to allow regulatory agencies to provide input regarding the onsite. The finalized Pre-Application Onsite Meeting Notes, emailed on June 20, 2023, are provided in the CPW, BLM, and LGD consultation summaries, attached to the Form 2A.

Advance Notice was sent to BLM’s Colorado State Office and the Colorado River Valley Field Office, notifying BLM of Laramie’s intentions to submit an Oil and Gas Development Plan to the Commission. The notification included details regarding proposed operations at the Currier 16-07. The notice letter was sent on June 14, 2023, to BLM was received on June 16, 2023, by the Colorado State Office and June 20, 2023, by the Colorado River Valley Field Office.

INFORMATION REQUIREMENTS – ECMC RULE 304.b.

The following narrative addresses the requirements for Rule 304. Form 2A, Oil and Gas Location Assessment Application under 300 Series of the Commission’s rules.

6. LOCAL GOVERNMENT SITING INFORMATION – ECMC RULE 304.b.(1)

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Mesa County, the local government with jurisdiction over the siting of this oil and gas location, determined that per the Mesa County Land Development Code *Table 6-1: Use Table and Section 6.02(Q)*, "Oil and Gas Drilling" is an allowed use in the Agricultural, Forestry, Transitional (AFT) zone district. The subject parcel is designated by Mesa County as AFT zone district. Currier 16-07 meets all the Mesa County zoning setback requirements for the AFT zone district.

Advance Notice was sent to Mesa County’s Community Development Department, notifying Mesa County of Laramie’s intentions to submit an Oil and Gas Development Plan to the Commission. The notification included details regarding proposed operations at the Currier 16-07. The notice letter was sent on June 14, 2023, to Mesa County pursuant to ECMC Rule 302.e. The letter was received by Mesa County on June 20, 2023.

While Oil and Gas Drilling is an allowed use, Oil and Gas Locations must be permitted within Mesa County. Laramie submitted an Oil and Gas Location Application to Mesa County on June 28, 2023. The Land Development Application Public Notice sign for the application was posted on the subject parcel, at the entrance to the Currier BCU 0993-16-07, on July 10th, 2023. The Mesa County Community Development Planning Division issued the Oil and Gas Site Location Approval Document (PRO2023-0191) on July 25, 2023, with conditions for operations. Mesa County stated no public comments were received during the public notice period. The Mesa County Oil and Gas Location permit and application are provided in the “Local Final Permit Decision” document and the “LGD Consultation Summary” attached to the Form 2A.

Local Government – Mesa County Contact Information

Mesa County Community Development Department
 Jeff Hofman – Oil and Gas Contact Planner
 Jeff.hofman@mesacounty.us
 Department 5022
 P.O. Box 20,000
 Grand Junction, CO 81502-5001

7. ALTERNATIVE LOCATION ANALYSIS - ECMC RULE 304.b.(2)

The Currier 16-07 does not trigger any of the Alternative Location Analysis (ALA) criteria listed in ECMC Rule 304.b.(2). Responses to each of the ECMC Rule 304.b.(2) criteria are addressed in **Table 6**.

Table 6. ECMC Rule 304.b.(2).B. Alternative Location Analysis Criteria.

ECMC RULE	APPLICABILITY
Rule 304.b.(2).B.i. <i>The proposed Working Pad Surface is within 2,000 feet of 1 or</i>	Not Applicable - There are no Residential Building Units (RBU)s or High Occupancy Building Units

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<i>more Residential Building Units or High Occupancy Building Units</i>	(HOBUs) within 2,000 feet of the Currier 16-07 WPS.
Rule 304.b.(2).B.ii <i>The proposed Working Pad Surface is less than 2,000 feet from a School Facility or Child Care Center</i>	Not Applicable - The Currier 16-07 is not located within 2,000 feet from a School Facility or Child Care Center. The site is located approximately 9.5 miles east of Collbran, Colorado. The nearest school is located in Collbran, Colorado. Utilizing the Mesa County assessor and GIS data, Child Care Centers are not listed on any adjacent parcels. No school facility or child care center is located within one-mile radius of the Currier 16-07.
Rule 304.b.(2).B.iii <i>The proposed Working Pad Surface is within 1,500 feet of a Designated Outside Activity Area.</i>	Not Applicable - A Designated Outside Activity Area is not located within 1,500 feet of the Currier 16-07 WPS.
Rule 304.b.(2).B.iv. <i>The proposed Working Pad Surface is less than 2,000 feet of a municipal or county boundary, and the Proximate Local Government objects to the location or requests an alternative location analysis.</i>	Not Applicable - The Currier 16-07 is located greater than 2,000 feet of a municipal or county boundary. The Currier 16-07 is located in Mesa County, Colorado. The nearest municipality is Collbran, Colorado. The site is located approximately 9.5 miles east of Collbran, Colorado.
Rule 304.b.(2).B.v. <i>The proposed Working Pad Surface is within a Floodplain</i>	Not Applicable - The Currier 16-07 is not located within a floodplain.
Rule 304.b.(2).B.vi.aa <i>A surface water supply area as defined in Rule 411.a.(1);</i> Rule 304.b.(2).B.vi.bb <i>Within 2,640 feet of a Public Water System supply well that is completed in a Type III Aquifer or is a groundwater under the direct influence of surface water well as defined in Rule 411.b.(1)</i>	Not Applicable - Based on the ECMC mapping database for “Public Water System (PWS) Protection” and “Draft SB 19_181 Rule 411” layers, the Currier 16-07 meets the setbacks stated in ECMC Rule 304.b.(2).B.vi.aa. and Rule 304.b.(2).B.vi.bb. The Currier 16-07 is not located within surface water supply area as defined in Rule 411.a.(1). The Currier 16-07 is located greater than 2,640 feet distance of a Public Water System supply well that is completed in a Type III Aquifer or is a groundwater under the direct influence of surface water well as defined in Rule 411.b.(1).
Rule 304.b.(2).B.vii. <i>The proposed Oil and Gas Location is within the boundaries of, or is immediately upgradient from, a mapped, visible, or field-verified wetland or riparian corridor</i>	Not Applicable – The Currier 16-07 is not located immediately upgradient from wetland or riparian corridor.
Rule 304.b.(2).B.viii. <i>The proposed Oil and Gas Location is within High Priority Habitat and the Operator did not obtain a waiver from CPW through a pre-application consultation.</i>	Not Applicable – The Currier 16-07 is located within the High Priority Habitat. The Currier 16-07 will not result in any acreage disturbance to HPH.
Rule 304.b.(2).B.ix <i>The Operator is using or intends to use a Surface Owner</i>	Not Applicable – Laramie has obtained a Surface Use Agreement with the Fee Surface Owners.

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<i>protection bond pursuant to Rule 703 to access the proposed Oil and Gas Location</i>	
Rule 304.b.(2).B.x. <i>The proposed Working Pad Surface is within 2,000 feet of a Residential Building Unit, High Occupancy Building Unit, or School Facility located within a Disproportionately Impacted Community.</i>	Not Applicable – The Currier 16-07 is located within a Disproportionately Impacted Community; however, there are no RBUs or High Occupancy Building Units within 2,000 feet of the Currier 16-07 WPS.

8. CULTURAL DISTANCES - ECMC RULE 304.b.(3)

Cultural distances from the Currier 16-07 are provided below and data is input on the Form 2A.

The Currier 16-07 WPS is located greater than 2,000 feet from the cultural features:

- Residential Building Unit
- A High Occupancy Building Unit
- A School Facility
- A Designated Outside Activity Area boundary
- Residential Building Unit, High Occupancy Building Unit, or School Facility within a Disproportionately Impacted Community within 2,000 feet of the proposed WPS
- Railroad
- Public Road

The Currier 16-07 WPS is located within 2,000 feet of the following cultural features:

- Fence
- Property line
- Above Ground Utility

9. WELL SETBACK RULE - ECMC RULE 604

ECMC Rule 604.a.(2) *Setback and Siting Requirements: Well Location Requirements* are not applicable. Rule 604.a.(2) states: “*At the time a Form 2A, Oil and Gas Location Assessment is filed, a Well will be located not less than 150 feet from a surface property line*”. The Currier 16-07 meets the ECMC Rule 604.a.(2) and all proposed wells will be located more than 150 feet from the property line.

LOCATION PICTURES – ECMC RULE 304.b.(4).

Location pictures, including two panoramic and 4 cardinal direction photos, are attached to the Form 2A.

10. SITE EQUIPMENT LIST – ECMC RULE 304.b.(5)

The Currier 16-07 will have twenty-three (23) new directional wells drilled at the proposed location. The site layout and equipment that will be utilized during drilling is shown on the Rig Detail Figure and Rig Layout Figure, attached to the Form 2A. Drilling

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activity equipment will consist of a drill rig and its components. Equipment and components utilized during drilling activities may be altered as needed during drilling depending on conditions.

Pre-Production Equipment List

The following pre-production equipment list is preliminary and subject to change due to equipment availability.

Table 7. Pre-Production Equipment List

Equipment	Number of Units	Total Capacity
Drill Rig	1	
Upright Tanks for Freshwater Storage	4	1600 barrels
Mud Tanks	6-8	400-600 barrels
Trip Tanks	2	80 barrels
Mud Shack	2	
Rig Diesel Tank	1	240 barrels
Rig Drilling Fluid Tank	2	700-1000 barrels
Mud Pumps	2	
Generators	3	
Cutting Management Area	1	
Closed Loop Solids Control Equipment	1	
Rig Office	1	
Company Man	1	
Rig Manager Quarters	1	
Crew Camp	4	
Water Tank	2	TBD
Sewer Tank	2	TBD
Frac Tanks	60	30,000 barrels
Frac Pump (Diesel)	12	2,760 gallons
Charge Pump / Blender	1	100 gallons

Production Equipment

The following equipment is planned for the Currier 16-07 for production:

- Total of 23 separators to be installed at the Currier 16-07 for the 23 proposed wells.
 - Four (4) – 5 Pack Separators
 - One (1) – 3 Pack Separator
- Ten (10) Tanks (400 barrels each; 4,000 barrels total for Location) within a containment barrier. Tanks will be vapor manifolded together and will be routed to an enclosed combustor.

Table 8. Proposed Production Tanks

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OIL TANKS			PRODUCED WATER TANKS			GUNBARREL TANKS		
# Of Tanks	Barrels		# Of Tanks	Barrels		# Of Tanks	Barrels	
	Vol. Per Tank	Total Vol.		Vol. Per tank	Total Vol.		Vol. Per Tank	Total Vol.
3	400	1200	5	400	2000	2	400	800

Table 9. Additional Permanent Equipment

EQUIPMENT	NUMBER	DESCRIPTION
Portable Chemical Storage Unit	4	Downhole scale inhibitor with a 330-gallon capacity for one unit. Total capacity of 1,320 gallons at the Currier 16-07. The portable chemical storage unit is outfitted with a containment feature which is adequate for the size of the storage tank to prevent discharges.
Gas Scrubber	5	1.8 MCFD Per Unit
Enclosed Combustion Device (ECD)	1	109 MCFD
Heat exchanger with burner	5	1000 MMBTU/HR
Knockout pump	1	1 per Location
Thermoelectric generator	1	thermoelectric generator will be installed to supply onsite power for various needs, (primarily automation/communication).
Routed pneumatic controllers	79	Laramie is currently assessing if the Currier 16-07 will use electric controllers or routed pneumatic controller (traditional pneumatic controllers which are routed to a combustion process or control). Laramie estimates approximately 79 routed pneumatic controllers; however, these numbers are estimates and subject to change.

Location of production equipment is shown on the Location Drawing Figure, attached to the Form 2A.

The Currier 16-07 will be identified with signage that adheres to applicable requirements in ECMC Rule 605. *Signage Requirements For Oil and Gas Operations.*

- **ECMC Rule 605.a. Oil and Gas Location Signage** - A sign is posted at the entrance of the Currier 16-07 listing information required by Rule 605.a.
- **ECMC Rule 605.c. Drilling, Hydraulic Fracturing Treatment, Flowback, and Recompletion Operations** –Signage will be posted during activity phases stated in Rule 605.c.

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- **ECMC Rule 605.d.** *Well Signage Requirements* – After a well is completed, signage will be posted that adheres to Rule 605.d.
- **ECMC Rule 605.g.** *General Sign Requirements* – Signs posted will abide by Rule 605.g. standards
- **ECMC Rule 605.h.** *Tanks and Container labels* – Any tanks or containers within the perimeter of the proposed site location will be labeled in accordance with Rule 605.h.

11. FLOWLINE DESCRIPTIONS - ECMC RULE 304.b.(6)

The Currier 16-07 will include several types of lines within the site perimeter to accommodate associated activities. All flowlines will be buried 4 feet below the surface. The material used for each flowline is compatible to transfer the substance under a variety of conditions. Crude oil transfer lines will not be installed within the perimeter of the Currier 16-07.

Each well (23 wells proposed) will have a flowline that is connected to a separator within the WPS. A 2-inch fusion bonded epoxy (FBE) coated carbon steel flowline will start at each of the 23 wellheads and connect to the separators. The FBE coating is non-toxic, and the FBE coated carbon steel flowline is resistant to corrosion. Laramie will also install sacrificial anodes on the flowlines to provide cathodic protection providing further resistance to corrosion.

The produced water/condensate dumplines from the separators to the tanks will consist of 2-, 3-, or 4-inch steel above ground transitioning to an underground Flexpipe or Flexsteel. The below ground Flexpipe or Flexsteel will be either 3-inch or 4-inch (determination will be made during the drilling phase).

Sales Lines will consist of 2-inch steel above ground tying into an 8-inch header below ground followed by an 8-inch steel pipe below ground. Approximately 781 feet of 8-inch welded steel gas gathering line and approximately 781 feet of 4-inch Flexpipe water gathering line will be required to tie into Laramie's existing 16-inch gas gathering line and 4-inch Flexpipe waterline adjacent to the proposed pad. The gas will be transferred to Laramie's Mega Vega Compressor Station (MVS) in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22, Township 09 South, Range 93 West, and the water will be pumped to Laramie's HCWTF (Location ID # 413056) in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22, Township 09 South, Range 93 West.

In order to reduce vehicular traffic during completions and flowback operations, Laramie will utilize temporary surface water lines to transfer recycled produced water. Up to two parallel 8-inch to 12-inch HDPE produced water pipes will be used to deliver water to completions operations at the well pad. These lines will be laid on an existing pipeline corridor (previously disturbed surface) to the extent possible and be approximately 5800 feet in length each (5,400 feet outside the area of disturbance). No surface disturbance will result from the placement of the temporary surface water lines. These lines will be

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removed following completions and flowback operations. Laramie anticipates approximately 58 days for completions and flowback activities.

DRAWINGS – ECMC RULE 304.b.(7).

12. LOCATION DRAWINGS – ECMC RULE 304.b.(7).A.

Location Drawings are attached to the Form 2A.

Table 10. Improvements within 2,000 Feet of WPS

Improvements NOT within 2,000 Feet of the Currier 16-07 WPS		
ECMC Rule	IMPROVEMENT NOT WITHIN 2,000 FEET of WPS	
Rule 304.b.(7).A.i.	Building, Building Unit, Residential Building Unit, and High Occupancy Building Units	
Rule 304.b.(7).A.ii.	Publicly maintained road and trails	
Rule 304.b.(7).A.v.	Railroads	
Rule 304.b.(7).A.vii.	Mines	
Rule 304.b.(7).A.ix.	Injection Wells and associated facilities	
Rule 304.b.(7).A.x.	Plugged oil and gas Wells, including dry holes	
Rule 304.b.(7).A.xi.	Known water wells	
Rule 304.b.(7).A.xii	Known sewers with manholes	
Improvements Identified Within A 2,000-Foot Buffer of The Currier 16-07 WPS		
ECMC RULE	IMPROVEMENT	DISTANCE AND DESCRIPTION
Rule 304.b.(7).A.iii.	Fences	Various fence sections are located within 2,000 feet. Laramie will relocate any fences within disturbance areas based on the Surface Owner’s preference.
Rule 304.b.(7).A.iv.	Above-ground utility lines	Above-ground utility lines exist within 2,000 feet. The power lines are located 1950 feet from the WPS. Distance from the WPS to the power lines meets the setback of 200 feet as required by ECMC Rule 604.a.(1).
Rule 304.b.(7).A.vi.	Pipelines or Pipeline markers	Laramie operated gas pipeline and water gathering line exist 48 feet to the south (at the nearest point).
Rule 304.b.(7).A.viii.	Oil and gas Wells and associated Production Facilities	Two well pads, operated by Laramie, with production facilities exist within 2,000 feet. <ul style="list-style-type: none"> • BCU 16B PAD (Location ID 334556) • BCU 16A PAD (Location ID 334557)

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13. LAYOUT DRAWINGS – ECMC RULE 304.b.(7).B.

The Currier 16-07 Pad Layout Drawings were prepared in accordance with Rule 304.b.(7)B and consistent with the requirements stated in the *Layout Drawing Attachment Guidance* (June 24, 2021). Layout Drawings are attached to the Form 2A.

14. WILDLIFE HABITAT DRAWING – ECMC RULE 304.b.(7).C.

A topographic map and aerial image map, showing High Priority Habitat (HPH) within 1 mile of the Currier 16-07 WPS, is attached to the Form 2A. The Currier 16-07 is not located within HPH (ECMC 2023).

Table 11. High Priority Habitat within a One-Mile Radius

Species HPH	Distance to WPS (feet)
Aquatic Sportfish Management Waters	1192

15. PRELIMINARY PROCESS FLOW DIAGRAMS – ECMC RULE 304.b.(7).D.

The Currier 16-07 preliminary process flow diagram is attached to the Form 2A.

16. HYDROLOGY MAP – ECMC RULE 304.b.(7).E.

Three hydrology maps have been prepared for Rule 304.b.(7).E.

- **ECMC Rule 304.b.(7).E.i.** *All surface Waters of the State within 2,640 feet of the proposed Working Pad Surface. The map will indicate which surface water features are downgradient*
- **ECMC Rule 304.b.(7).E.ii.** *All Water Sources within 2,640 feet of the proposed Working Pad Surface*

All surface waters are depicted in the Currier BCU 0993-16-07 Hydrology Maps. There are two downgradient surface water features that are located within 500 feet of the Currier BCU 0993-16-07 WPS. At the nearest point, an unnamed intermittent stream is located 476 feet from the WPS to the east and an unnamed ephemeral drainage is located 487 feet from the WPS to the northwest. Existing private lease access roads are located between the Currier BCU 0993-16-07 and the unnamed drainages. Established vegetation consisting of mixed mountain shrublands, grasses, and forbs exists between the Currier BCU 0993-16-07 and the unnamed drainages as well. Since there are two streams located within 500 feet of the proposed WPS, Laramie has requested a waiver from (CPW) for ECMC Rule 1202.a.(3).



Photo 3. Unnamed Intermittent Stream Located Downgradient within 500 feet of WPS.

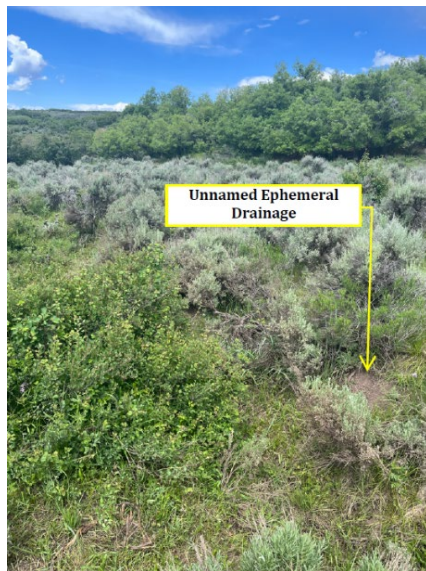


Photo 4. Unnamed Ephemeral Stream Located Downgradient within 500 feet of WPS.

The unnamed intermittent stream, located downgradient to the east, flows into Carter Gulch (intermittent stream). The receiving water of Carter Gulch is Buzzard Creek (a perennial stream). Buzzard Creek flows into Plateau Creek (a perennial flow stream). Buzzard Creek flows into Plateau Creek approximately 12 mapped miles west of the project. Plateau Creek continues to flow to the west approximately 20 miles, terminating at the Colorado River. The Colorado River is the ultimate receiving water.

Additional freshwater ponds (non-wetland) and field verified wetlands exist downgradient within ½ mile. The freshwater ponds and field verified wetlands are located along the

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unnamed intermittent stream. A wetlands evaluation has been prepared and is attached to the Wildlife Protection Plan.

Additional intermittent streams and wetlands are located within ½ radius of the WPS; however, these surface water features are not located downgradient of the well pad. There are no domestic water wells within ½ mile of the Currier BCU 0993-16-07.

- **ECMC Rule 304.b.(7).E.iii.** *Any Public Water System facilities, including intakes, wells, storage facilities, recharge areas, and treatments plants within 2,640 feet of the Working Pad Surface*
- **ECMC Rule 304.b.(7).E.iv.** *Rule 411 buffer zones within 2,640 feet of the Working Pad Surface*

Based on the ECMC mapping database for “Public Water System (PWS) Protection” and “Draft SB 19_181 Rule 411” layers, the Currier 16-07 meets the setbacks stated in ECMC Rule 304.b.(2).B.vi.aa. and Rule 304.b.(2).B.vi.bb. The Currier 16-07 is not located within surface water supply area as defined in Rule 411.a.(1). The Currier 16-07 is located greater than 2,640 feet distance of a Public Water System supply well that is completed in a Type III Aquifer or is a groundwater under the direct influence of surface water well as defined in Rule 411.b.(1).

- **ECMC Rule 304.b.(7).E.v.** *Any surface waters within 2,640 feet of the Working Pad Surface that are 15 stream miles upstream of a Public Water System intake*

The Currier 16-07 is not located upgradient within 15 streams miles of a Public Water System intake. The nearest Public Water Systems are located west of Collbran, Colorado. The intake is located over 15 stream miles distance downgradient from the proposed WPS.

17. ACCESS ROAD MAP – ECMC RULE 304.b.(7).F.

Access road maps (topographic and aerial) are attached to the Form 2A. The nearest public road is Highway 330E (Mesa County Road), which is 4,200 access feet from the Currier 16-07. The Currier 16-07 is located approximately 2690 feet north (mapped distance) from Highway 330.

- To access the project, vehicles would travel East from Collbran, CO, on what is commonly referred to as CR 330E for approximately 11 access miles.
- Vehicles will turn left (north) onto a private lease access road located on privately owned land (entrance coordinates Lat: 39.269600°, Long: -107.770686°). Surface owners of the existing lease access are Laramie (the Operator) and Carlyle W. Currier & Dawn M. Currier (surface owner of the Currier 16-07 well pad location).
- Vehicles will stay on the private lease access road for 0.8 miles until reaching the entrance of the well pad.

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- The entrance to the Currier BCU 0933-16-07 will be located on the left (west). Continue on the site-specific access road in a southwesterly direction for 883 feet until reaching the well pad.

The existing private access road is shown in **Photo 5**.



Photo 5. Existing Lease Road on Private Lands

18. RELATED LOCATION AND FLOWLINE MAP - ECMC RULE 304.b.(7).G.

In accordance with ECMC Rule 304.b.(7).G.i. and Rule 304.b.(7).G.ii., all existing, approved, and proposed Oil and Gas Locations within 2,000 feet of the OGDPA area and all flowline corridors are shown on the Related Location and Flowline Map (attached to the Form 2A).

19. DIRECTIONAL WELL PLAT - ECMC RULE 304.b.(7).H.

The directional well plat for the Currier 16-07 is attached to the Form 2A. Laramie is proposing to drill twenty-three (23) new directional natural gas wells which will produce fee and federal minerals. Proposed wells to be drilled (**Tables 12-14**) lists the proposed fee and federal wells. Mineral development is for the Williams Fork and Iles Formations for 480 acres in the E½W½; E½ of Section 16, Township 9 South, Range 93 West, 6th P.M. Mesa County, Colorado. Of 23 new directional wells, 21 of which are within an approximate 4,800-acre Buzzard Creek Federal Exploratory Unit, Unit Number CO47597X, within the Mesaverde Participating Area A under Unit Number CO47597A. Two (2) directional wells bottom hole outside and adjacent to the Buzzard Creek Federal Unit in which the leasehold of the Application Lands is secured by the Applicant.

Table 12. Mineral and Proposed Wells

Fee Wells	Federal Wells	Total Wells
20	3	23

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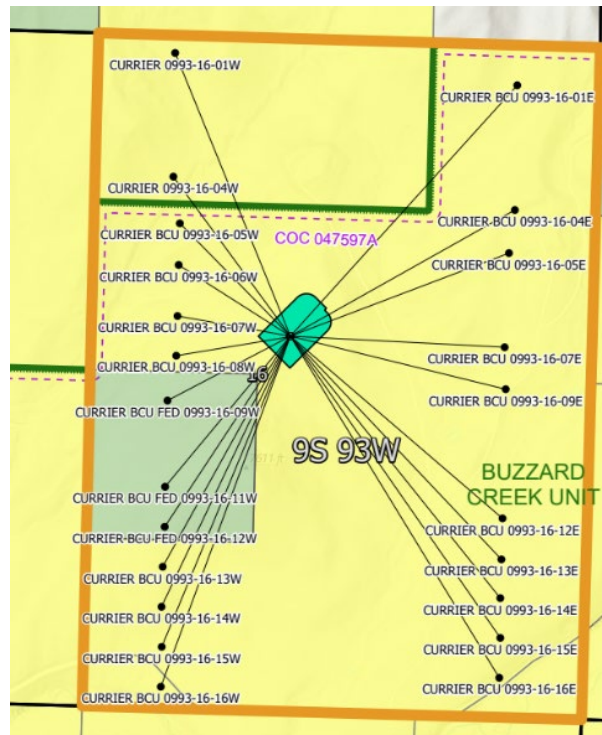


Figure 2. Currier BCU 0993-16-07 - BHL Locations

Fee Mineral Wells

During the ECMC’s OGDG review process, Laramie will draft Form 2’s for submittal. Laramie will submit the twenty-three Form 2s when the ECMC has rendered a determination of approval for the 2023 Currier BCU 0993-16-07 OGDG.

Table 13. Fee Mineral Wells	
Currier BCU 0993-16-15W	Currier BCU 0993-16-08W
Currier BCU 0993-16-14W	Currier BCU 0993-16-07W
Currier BCU 0993-16-13W	Currier BCU 0993-16-06W
Currier BCU 0993-16-05W	Currier 0993-16-04W
Currier BCU 0993-16-16W	Currier BCU 0993-16-09E
Currier BCU 0993-16-16E	Currier BCU 0993-16-07E
Currier BCU 0993-16-15E	Currier BCU 0993-16-05E
Currier BCU 0993-16-14E	Currier BCU 0993-16-04E
Currier BCU 0993-16-13E	Currier BCU 0993-16-01E
Currier BCU 0993-16-12E	Currier 0993-16-01W

Federal Mineral Wells

Laramie prepared and submitted BLM federal lease Applications for Permit to Drill (APD)s for the three (3) federal wells on July 24, 2023. Once the permit applications are deemed complete, the BLM will proceed with an Environmental Analysis (EA) for the pad and well

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as required by the National Environmental Policy Act for any Federal action. Once the EA is completed, Laramie Energy will supply the ECMC with the Decision Record for the EA as well as a copy of the Federal APDs.

Table 14. Federal Mineral Wells	
Currier BCU Fed 0993-16-12W	Currier BCU Fed 0993-16-11W
Currier BCU Fed 0993-16-09W	

20. GEOLOGIC HAZARD MAP - ECMC RULE 304.b.(7).I.

Geologic Hazard Maps, prepared by GEI Consultants, are attached to the Form 2A. The Currier 16-07 is located within one mile radius of geologic hazards. In accordance with ECMC Rule 304.c.(21), a Geologic Hazards Plan has been prepared and submitted with the Form 2A.

**21. DISPROPORTIONATELY IMPACTED COMMUNITIES MAP –
ECMC RULE 304.b.(7).J.**

There are no RBUs, HOBUs, or schools within 2,000 feet of the Currier 16-07 WPS. The Currier 16-07 falls into Block Group B: *A. U.S. Census block group in which the percentage of the population that meets the definition of a “minority population” pursuant to the EPA’s Technical Guidance for Assessing Environmental Justice in Regulatory Analysis, as incorporated by reference in subpart a, exceeds the percentage of the minority population of the county.*

The Currier 16-07 is located within the “Block Group % Minority > County % Minority” category. The area that is classified as “Block Group % Minority > County % Minority” includes all of the eastern part of Mesa County, which is mostly rural or public lands. No building units exist within a 2000-foot radius of the Currier 16-07.

**22. GEOGRAPHIC INFORMATION SYSTEM (“GIS”) DATA –
ECMC RULE 304.b.(8)**

GIS polygon data is attached to the Form 2A.

23. LAND USE DESCRIPTION – ECMC RULE 304.b.(9).

The Currier 16-07 is located on private lands (Fee surface) in Mesa County, Colorado. Mesa County defines the subject parcel as the Agricultural, Forestry, Transitional (AFT) zone district. Adjacent parcels are zoned AFT. Existing use of adjacent properties and neighboring area are public lands, rangelands, and recreational use. Natural resources extraction and support facilities exist in the surrounding area. The designated final land use will be non-crop rangeland.

**24. REFERENCE AREA DATA – ECMC RULE 304.b.(9).B.
Rule 304.b.(9).B.i. Reference Area Map.**

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Rule 304.b.(9).B.ii. Reference Area Pictures.

Rule 304.b.(9).B.iii. *A table of the dominant vegetation within the Reference Area.*

The final land use will be non-crop land (rangeland). In accordance with ECMC Rules 304.b.(9).B.i., 304.b.(9).B.ii., and 304.b.(9).B.iii., Laramie designated a Reference Area for the Currier 16-07. Four photographs in each cardinal direction and two panoramic photographs depicting vegetation cover were taken during the peak growing season on June 7, 2023. An aerial photograph, collected by an aerial unmanned aircraft, was taken on June 26, 2023.

Pursuant to Rule 304.b.(9).B.iii., a table of the dominant vegetation within the Reference Area is attached to the Reference Area Pictures. WestWater Engineering, Inc conducted a field vegetation assessment on July 6, 2023. Monitoring was conducted during the growing season. The reference transect is located in a mountain sagebrush shrubland plant community composed primarily of mountain sagebrush and roundleaf snowberry with an understory of native forbs and perennial grass species. Mountain shrublands present in the project area include serviceberry (*Amelanchier alnifolia*), Gambel oak (*Quercus gambelii*), Roundleaf snowberry (*Symphoricarpos rotundifolius*), and Mountain big sagebrush (*Artemisia tridentata vaseyana*), along with native grasses and forbs. Results from the line-point intercept permanent transect showed 72 percent foliar cover and 20 percent litter cover (leaves, rocks, etc.). Approximately 8% bare ground was observed.

Reference Area Coordinates: Latitude: 39.277789°; Longitude: - 107.773701°



Photo 6. Reference Area Panoramic Photo – Looking South

25. NRCS MAP UNIT DESCRIPTION – ECMC RULE 304.b.(10)

The Currier 16-07 Pad Soil Report includes Natural Resource Conservation Service (NRCS) soil report, soil map, and excerpts from the “Soil Survey of Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties”.

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A soils report from the NRCS indicates the Currier 16-07 Area of Disturbance, WPS, and access road are composed of two NRCS Map Units as described below in **Table 15**. The Currier 16-07 Soils Report is attached to the Form 2A.

Table 15. NRCS Map Unit and Disturbance

Disturbance	Map Unit	NRCS Soil Description
Well Pad, Access Road, & Pipeline Segment	47	Hesperus-Empedrado, moist-Pagoda complex 5 to 35 percent slopes
	34	Empedrado loam, 25 to 45 percent slopes

26. BEST MANAGEMENT PRACTICES – ECMC RULE 304.b.(11)

Best management practices are detailed in the numerous plans, the Cumulative Impact Plan (Rule 304.c.19) and the Form 2A.

27. SURFACE OWNER INFORMATION – ECMC RULE 304.b.(12)

The well pad and site-specific access road will be located on privately owned surface. Information regarding the surface lands is provided below in **Table 16**.

Table 16. Surface Ownership

Surface Owner	Surface Owner Address	Parcel Number	Parcel Acreage
Carlyle W. Currier & Dawn M. Currier	P.O. Box 40 Molina, Colorado 81624	2661-0161-00-258	604

28. WETLANDS – ECMC RULE 304.b.(14)

A permit is not required by a federal, state, or local government agency for impacts to a wetland. The Currier 16-07 is not located within the boundaries of, or is immediately upgradient from a field-verified wetland or riparian corridor. A Wetlands Evaluation, prepared by WestWater Engineering, Inc, is attached to the Wildlife Protection Plan.

29. SCHOOLS AND CHILD CARE CENTERS - ECMC RULE 304.b.(15)

The Currier 16-07 is not located within 2,000 feet from a School Facility or Child Care Center. The site is located approximately 9.5 mapped miles east of Collbran, Colorado. The nearest school is located west of the Town of Collbran, Colorado and approximately 9.5 miles from the Currier 16-07. Utilizing the Mesa County assessor and GIS data, Child Care Centers are not listed on any parcels within one mile of the WPS.

PLANS – ECMC RULE 304.c.

30. EMERGENCY SPILL RESPONSE PROGRAM – ECMC RULE 304.c.(1)

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ECMC Rule 304.c.(1) is not applicable to the Currier 16-07; therefore, an Emergency Spill Response Program is not required. The Currier 16-07 is not located within surface water that is 15 miles or less upstream from a Public Water System(s) intake or within 2,640 feet of a groundwater under the direct influence of surface water well or Type III Well.

31. NOISE MITIGATION PLAN – ECMC RULE 304.c.(2)

Laramie is requesting a Lesser Impact Areas exception request per ECMC Rule 304.d. for the requirement of Rule 304.c.(2) Noise Mitigation Plan. There are no RBUs or HOBUs within 2,000 feet of the Currier 16-07 WPS. The nearest RBU is located 3052 feet from the WPS. The Currier 16-07 is not located within a mapped HPH.

32. LIGHT MITIGATION PLAN – ECMC RULE 304.c.(3)

Laramie is requesting a Lesser Impact Areas exception request per Rule 304.d. for the requirement of Rule 304.c.(3) Light Mitigation Plan. There are no RBUs or HOBUs within 2,000 feet of the Currier 16-07 WPS. The nearest RBU is located 3052 feet from the WPS. The Currier 16-07 is not located within a mapped HPH.

33. ODOR MITIGATION PLAN – ECMC RULE 304.c.(4)

ECMC Rule 304.c.(4) requirement is not applicable to the Currier 16-07. There are no RBUs or HOBUs within 2,000 feet of the Currier 16-07 WPS.

34. DUST MITIGATION PLAN – ECMC RULE 304.c.(5)

The Currier 16-07 Dust Mitigation Plan was developed in compliance with ECMC Rule 304.c.(5) *Dust Mitigation Plan* and ECMC Rule 427 *Dust*.

35. TRANSPORTATION PLAN – ECMC RULE 304.c.(6)

A Transportation Plan is not required by the Relevant Local Government. Traffic projections for proposed operations at the Currier 16-07 are provided in **Table 17**.



Table 17. Estimated Traffic Projections

Operational Phases		Estimated Trips*		Projections Per Activity	
Activity	Timeframe (Days)	Large Equipment Transportation Per Activity	Pickup Truck Trips Per Day	Maximum Trips*	VPD **
Construction	30	80	4	200	6.7
Drilling Mobilization	4	79	8	111	27.8
Drilling	104	468	6	1092	10.5
Drilling Demobilization	4	79	8	111	27.8
Production Installation	21	42	6	168	8
Completions Mobilization	10	144	30	444	44.4
Completions & Flowback	58		40	2,320	40
Completions Demobilization	10	144	30	444	44.4
Interim Reclamation	14	8	4	64	4.6
Production	30 years		2		2
Inspection Activities	N/A		2***		0.07

* One vehicle equals two trips on public roads, one trip to access site and one trip to leave. For drilling and completions mobilization, trip leaving site will occur during demobilization

**VPD= Vehicles (trips) Per Day, averaged over number of days per activity.

***Trips per month

36. OPERATIONS SAFETY MANAGEMENT PROGRAM – ECMC RULE 304.c.(7)

The Currier 16-07 Operations Safety Management Program was developed in accordance with ECMC Rule 602.d., Rule 304.c.(7), and the Operations Safety Management Program Plan guidance document (February 16, 2021).

37. EMERGENCY RESPONSE PLAN – ECMC RULE 304.c.(8).

The Currier 16-07 Emergency Response Plan is consistent with the requirements for ECMC Rule 304.c.(8) and was developed in accordance with ECMC Rule 602.j. and ECMC Emergency Response Plan Guidance (February 16, 2021). As required by ECMC Rule 602.j., the Currier 16-07 Emergency Response Plan was approved by the Plateau Valley Fire Protection District.

38. FLOOD SHUT-IN PLAN – ECMC RULE 304.c.(9)

The Currier 16-07 is not located within a floodplain; therefore, ECMC Rule 304.c.(9) is not applicable. A Flood Shut-In Plan is not required for the Currier 16-07.

39. HYDROGEN SULFIDE DRILLING OPERATIONS PLAN – ECMC RULE 304.c.(10)

ECMC Rule 304.c.(10) *Hydrogen Sulfide Drilling Operations* Plan is not applicable for the Currier 16-07. Laramie does not anticipate that wells drilled at the Currier 16-07, will

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encounter hydrogen sulfide. There are no known occurrences of Hydrogen Sulfide in the Mesaverde Group in Buzzard Creek field. The USGS Mesaverde ASU report that shows there is 0% H₂S found in the Mesaverde Group and Mesaverde Coalbed Gas.

40. WASTE MANAGEMENT PLAN – ECMC RULE 304.c.(11)

The Currier 16-07 Waste Management Plan addresses the requirements of Rule 304.c.(11) *Waste Management Plan*. Laramie’s Waste Management Plan was developed in accordance with Rule 905.a.(4). and ECMC Waste Management Plan Guidance (September 15, 2021).

41. GAS CAPTURE PLAN – ECMC RULE 304.c.(12).

Wells drilled at the Currier 16-07 will be tied into a gas gathering system after drilling and before completions. ECMC Rule 903.e.(1).A. : *On a Form 2A, Oil and Gas Location Assessment the Operator will commit to connecting to a gathering system by the Commencement of Production Operations, or submit a gas capture plan as an attachment to their Form 2A, pursuant to Rule 304.c.(12).*” Laramie commits wells will be connected to a gas gathering system. A Gas Capture Plan is not required.

42. FLUID LEAK DETECTION PLAN – ECMC RULE 304.c.(13)

The Currier 16-07 Fluid Leak Detection Plan provides information on fluids monitoring, inspections, testing, maintenance, and incident response.

During drilling, completions, and flowback operations, a fully equipped emergency spill response trailer will be staged at Laramie’s Buzzard Creek Laydown yard (permitted through Mesa County; owned and maintained by Laramie) and prepared for immediate response in the event of the release or spill during pre-production activities. A second emergency spill response trailer will be available for immediate mobilization if needed at Laramie’s Harrison Creek Water Treatment Facility (Location ID # 413056) approximately 3.3 miles from the Currier 16-07 location.

An emergency spill kit (95-gallon drum spill kit) will be placed on the pad for any spills that might occur for the life of the producing wells.

43. TOPSOIL PROTECTION PLAN - ECMC Rule 304.c.(14)

The Currier 16-07 Topsoil Protection Plan, consistent with the requirements of ECMC Rule 1002.c., was prepared by WestWater Engineering, Inc.

44. STORMWATER MANAGEMENT PLAN – ECMC Rule 304.c.(15)

The Currier 16-07 Stormwater Management Plan addresses the applicable standards in ECMC Rule 1002.f. Stormwater Management as requirement by Rule 304.c.(15) Stormwater Management Plan.

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45. INTERIM RECLAMATION PLAN – ECMC RULE 304.c.(16).

The Currier 16-07 Interim Reclamation Plan was developed in compliance with ECMC Rule 304.c.(16) Interim Reclamation Plan and in accordance with applicable requirements of ECMC Rule 1003: Interim Reclamation.

46. WILDLIFE PROTECTION PLAN – ECMC RULE 304.c.(17)

The Currier 16-07 is not located with a High Priority Habitat; therefore, a Wildlife Protection Plan was prepared and submitted with the Form 2A.

Aquatic Sportfish Management Waters is the only mapped HPH within a one-mile radius of the Currier 16-07. The Aquatic Sportfish Management Waters is located 1192 feet from the WPS. The proposed Currier 16-07 will not result in any disturbance to HPH.

The Wildlife Protection Plan addresses the applicable requirements of Rule 1201.a. as required per ECMC Rule 304.c.(17) and in accordance with the ECMC Wildlife Plan Guidance document (June 25, 2021). Sensitive Area Determination, Wetlands Evaluation, and HPH Assessment are attached to the Currier 16-07 Wildlife Protection Plan.

47. WATER PLAN – ECMC RULE 304.c.(18)

The Currier 16-07 Water Plan was prepared in accordance with ECMC Rule 304.c.(18) and ECMC Rule 437; and details water usage volumes and water sources for drilling and completion activities. Approximately 75% of water utilized during well development activities will be recycled water, resulting in only about 25% fresh water use prior to the production phase.

48. CUMULATIVE IMPACTS PLAN – ECMC RULE 304.c.(19)

WestWater Engineering, Inc prepared the Cumulative Impacts Plan in accordance with Rules 303.a.(5)B, 303.a.(5)C, and 303.a.(5)D.

49. COMMUNITY OUTREACH PLAN - ECMC Rule 304.c.(20)

ECMC Rule 304.c.(20) is not applicable to the Currier 16-07. There are no RBUs, HOBUs, or schools located within 2,000 feet of the Currier 16-07.

50. GEOLOGIC HAZARD PLAN – ECMC RULE 304.c.(21)

The Currier 16-07 is located within one mile radius of geologic hazards. The Currier 16-07 Geologic Hazards Plan, prepared by GEI Consultants, provides recommendations and best management practices, attached to the Form 2A. Laramie will implement best management practices to mitigate geologic hazards.