FORM 2A Rev 04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109

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Document Number: 400168755

Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 324766

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a standalone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at http://colorado.gov/cogcc/ for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID: **324766**

Expiration Date:

☒ This location assessment is included as part of a permit application.

1. CONSULTATION

☐ This location is included in a Comprehensive Drilling Plan. CDP #

☒ This location is in a sensitive wildlife habitat area.

☐ This location is in a wildlife restricted surface occupancy area.

☐ This location includes a Rule 306.d.(1)A.ii. variance request.

2. Operator

Operator Number: 10232

Name: LARAMIE ENERGY II, LLC

Address: 1512 LARIMER ST STE 1000

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Wayne P Bankert

Phone: (970) 683-5419

Fax: (303) 339-4399

email: wbankert@laramie-energy.com

4. Location Identification:

Name: Fuqua Number: 18-15 Pad

County: JACKSON

QuarterQuarter: SWSE Section: 18 Township: 6N Range: 78W Meridian: 6 Ground Elevation: 8607

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 661 feet FSL , from North or South section line, and 1958 feet FEL , from East or West section line.

Latitude: 40.484650 Longitude: -106.184710 PDOP Reading: 2.2 Date of Measurement: 06/01/2009

Instrument Operator's Name: Dave Murray

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits:	0	Drilling Pits:	1	Wells:	1	Production Pits:	0	Dehydrator Units:	0
Condensate Tanks:	0	Water Tanks:	2	Separators:	1	Electric Motors:	0	Multi-Well Pits:	0
Gas or Diesel Motors:	0	Cavity Pumps:	0	LACT Unit:	0	Pump Jacks:	1	Pigging Station:	0
Electric Generators:	0	Gas Pipeline:	0	Oil Pipeline	0	Water Pipeline:	0	Flare:	0
Gas Compressors:	0			VOC Combustor:	1	Oil Tanks:	3	Fuel Tanks:	0

Other: Flare/Voc Combustor 1 and same. Line Heater,Drip Pot, Glycol Pump

6. Construction:

Date planned to commence construction: 07/01/2011 Size of disturbed area during construction in acres: 2.40

Estimated date that interim reclamation will begin: 10/01/2011 Size of location after interim reclamation in acres: 2.00

Estimated post-construction ground elevation: 8607 Will a closed loop system be used for drilling fluids: Yes [X]

Will salt sections be encountered during drilling: Yes [ ] No [X] Is H2S anticipated? Yes [ ] No [X]

Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes [ ] No [ ]

Mud disposal: Offsite [X] Onsite [ ] Method: Land Farming [ ] Land Spreading [ ] Disposal Facility [X]

Other:

7. Surface Owner:

Name: Beverly/Marvin Fuqua Phone: 970-723-4331

Address: PO Box 20 Fax:

Address: Email:

City: Rand State: CO Zip: 80473 Date of Rule 306 surface owner consultation: 08/01/2008

Surface Owner: [X] Fee [ ] State [ ] Federal [ ] Indian

Mineral Owner: [X] Fee [ ] State [ ] Federal [ ] Indian

The surface owner is: [X] the mineral owner [ ] committed to an oil and gas lease

[X] is the executer of the oil and gas lease [ ] the applicant

The right to construct the location is granted by: [ ] oil and gas lease [X] Surface Use Agreement [ ] Right of Way

[ ] applicant is owner

Surface damage assurance if no agreement is in place: [ ] $2000 [ ] $5000 [ ] Blanket Surety ID

8. Reclamation Financial Assurance:

[ ] Well Surety ID: 20070074 [ ] Gas Facility Surety ID: [ ] Waste Mgnt. Surety ID:

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes [ ] No [X]

Distance, in feet, to nearest building: 3665 , public road: 3553 , above ground utilit: 3553

, railroad: 145200 , property line: 2950

10. Current Land Use (Check all that apply):

Crop Land: [ ] Irrigated [ ] Dry land [ ] Improved Pasture [ ] Hay Meadow [ ] CRP

Non-Crop Land: [X] Rangeland [ ] Timber [ ] Recreational [ ] Other (describe):

Subdivided: [ ] Industrial [ ] Commercial [ ] Residential

11. Future Land Use (Check all that apply):

Crop Land: [ ] Irrigated [ ] Dry land [ ] Improved Pasture [ ] Hay Meadow [ ] CRP

Non-Crop Land: [X] Rangeland [ ] Timber [ ] Recreational [ ] Other (describe):

Subdivided: [ ] Industrial [ ] Commercial [ ] Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to used when segregating topsoil.

The required information can be obtained from the NRCS web site at http://soildatamart.nrcs.usda.gov/ or from the COGCC web site GIS Online map page found at http://colorado.gov/cogcc. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: Le; Leavitt Loam

NRCS Map Unit Name:

NRCS Map Unit Name:

13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒

Plant species from: ☐ NRCS or, ☐ field observation Date of observation: 06/01/2009

List individual species:

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- ☒ Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
- ☒ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
- ☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
- ☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)
- ☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
- ☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
- ☐ Alpine (above timberline)
- ☐ Other (describe):

14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 700 , water well: 4800 , depth to ground water: 67

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Suppl Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☒ No ☐ Yes

15. Comments:

Depth to Groundwater based on elevation of surface water in drainage to SW of location.Re-enrty of existing well to sidetrack. No change to size of existing location. Form 2 to be submittedfor re-entry and sidetrack.

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

Signed: Date: 05/25/2011 Email: wbankert@laramie-energy.com

Print Name: Wayne P. Bankert Title: Snr Reg. & Env. Coord.

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:

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

Attachment Check List

Att Doc Num	Name
400168755	FORM 2A SUBMITTED
400168792	ACCESS ROAD MAP
400168793	CONST. LAYOUT DRAWINGS
400168794	HYDROLOGY MAP
400168795	LOCATION DRAWING
400168796	LOCATION PICTURES
400168797	REFERENCE AREA MAP
400168798	REFERENCE AREA PICTURES
400168810	NRCS MAP UNIT DESC
400168812	OTHER
400169223	SURFACE AGRMT/SURETY

Total Attach: 11 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

BMP

Type	Comment
Storm Water/Erosion Control	NOrth Park Project Area -Stormwater Discharge Permit NO. COR-03E511 in place Stormwater Managment Plan in place and active.
Wildlife	Initial Consultation with CDOW Michael Warren 5/16/2011 LARAMIE ENERGY II, LLC Best Management Practices (BMP's) To Reduce Impacts to Wildlife For Operations on the Fuqua 18-15 Pad SWSE Sec 18, Twn. 6N Rng. 78W 6th PM Within Sensitive Wildlife Habitat Area of Fuqua Ranch Jackson County, CO In an effort to minimize the impacts to wildlife, the following BMP's are part of Laramie Energy II's (LEII) standard operating procedures for drilling and operations within Western and Northwest Colorado. This list is a partial of LEII's policy. Initial Stages for Infrastructure and Roads 1. Road design and General - No firearms, no dogs on location, and no feeding of wildlife. - Minimize the amount of traffic on lease roads within 3 hours of sunrise and sunset. - Use existing routes as much as possible to avoid new disturbance and habitat fragmentation and minimize new road construction. - Maximize the topography as much as possible in designing roads to reduce, visual, noise, impacts, etc. - Participate in road sharing agreements with other Operators when possible. - Design and surface roads based on the traffic, speed, and type of vehicles to reduce, dust, mud, and environmental damage.

- Locate roads away from riparian areas and bottoms of drainages as much as possible or re-route entirely.
- Obtain Army Corp of Engineer Permits for any stream crossings prior to construction.
- Analyze crossings and flow characteristics to determine the best method of crossing, (i.e. culvert, bridge, or low water).
- Armor all stream crossings to reduce erosion and to comply with Stormwater Requirements.
- Implementation of fugitive dust control measures including but not limited to water or magnesium chloride applications, and road surfacing.
- Limit traffic to the minimum needed for safe and efficient operations.
- No driving or parking off of disturbed areas.
- Install and use locked gates or other means when allowed by landowner or Federal Agencies to prevent unauthorized travel on roads and rights-of ways.

2. Well pad design and location

- Locate well pads to maximize directional drilling practices. LEII currently plans and attempts to locate pads for 16-20 wells which equates to roughly 4 well pads per section.
- Design each location to accommodate both current and future gas production.
- Locate well pads to minimize disturbance yet maximize use to reduce surface impacts.
- Review State and Federal GIS mapping to avoid Sensitive Wildlife Habitat (SWH), Restricted Surface Occupancy (RSO) areas, steep slopes, etc., as much as possible with roads and pad location.
- Design and install gathering lines within the disturbed area of new roads and adjacent to as much as possible to reduce disturbance construction.
- Design Rights-of Way widths to the minimum needed for safe and efficient construction of pipelines
- Remote Telemetry for production operations

3. Drilling and Production Operations

- Implement remote telemetry in all operations
- Where topographically possible and subject to landowner approval, use centralized water gathering and transportation systems.
- Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents, and openings.
- Locate facilities to minimize visual effects (e.g. paint color, screening, etc.)
- LEII implements a closed system in its operations. No fluid pits are constructed or used during drilling or completion operations.
- LEII implements an aggressive weed management program. LEII incorporates and uses the BLM Glenwood Springs Energy Office's "Noxious and Invasive Weed Management Plan for Oil and Gas Operators- March 2007" for all operations. Each spring, Laramie inventories all pads, roads, and pipelines to insure no noxious weeds have been introduced. If noxious weeds are found, the county will be notified and the weeds will be treated. Weeds are continuously monitored and treated throughout the growing season. Only herbicides approved by the EPA and State are used by certified weed applicators.

4. Reclamation

- Strip and segregate topsoil from other soil horizons during pad, road, and pipeline construction.
- Minimize topsoil degradation by windrowing no higher than 5 feet when possible.
- Immediately seed topsoil to reduce erosion and prevent weed establishment and maintain soil microbial activity.
- Use only certified weed free native seed mixes, unless recommended otherwise by Federal Agencies or the Landowner.
- Use locally adapted seed when available.
- Use diverse seed mixes to mirror the surrounding area unless recommended otherwise by Federal Agencies or the Landowner.
- Monitor re-vegetation success until a minimum of 75% of preferred perennial plant cover (no weeds) is established.
- Perform "interim" reclamation on all disturbed areas not needed for active producing operations.

	- If possible, conduct interim and final reclamation during optimum periods (e.g. late fall/early winter or early spring). - If needed, fence reclaimed areas to minimize livestock/wildlife impact until plant species have are capable of sustaining grazing. LARAME ENERGY II, LLC BMPS FOR Sensitive Wildlife Habitat and Restricted Surface Occupancy Areas Specific to Laramie Energy II, LLC Operations For the Fuqua 18-15 Pad Jackson County, CO Sensitive Wildlife Habitat (SWH) Black Bear • Initiate a food and waste/refuse management program that uses bear-proof food storage containers and trash receptacles. • Initiate an education program that reduces bear conflicts. • Establish policy to prohibit keeping food and trash in sleeping quarters. • Establish policy to support enforcement of state prohibition on feeding of black bear. • Report bear conflicts immediately to CDOW . Gunnison and Greater Sage Grouse(SWH) The proposed location is an existing site constructed in 2008 that bisects the 4 mile buffer of a known Gunnison or Greater sage-grouse lek to the north. The anticipated move-in date to drill the proposed well is late July-early August. If the well proves to be capable of production in paying quantities Laramie Energy II, LLc will consult with the CDOW with the landowner's concurrence for any additional mitigation requirements. Laramie Energy II will: • Consult with the CDOW if a development program is warranted • Restrict well site visitations to portions of the day between 0900-1600 hrs. • Establish company guidelines to minimize wildlife mortality from vehicle collision on roads. • Install raptor perch deterrents on equipment. • Remove all unnecessary infra-structure. • Use early and effective reclamation techniques, including aggressive interim reclamation program, to return habitat to use by Gunnison or greater sage-grouse as quickly as possible. • Reclaim disturbed areas with native grasses, forbs, and shrubs conducive to optimal Gunnison or greater sage-grouse habitat and other wildlife appropriate to the site. • Use high diversity (10 species or more) reclamation seed mixes in Gunnison or greater sage-grouse habitat. • Use approved CP-4D (Gunnison or greater sage-grouse) seed mixes, based on soil type, precipitation, and elevation, available from Farm Service Agency, NRCS, or other seed mixes approved by the CDOW. • Avoid aggressive non-native grasses in Gunnison or greater sage grouse habitat reclamation. • Reclaim mapped summer habitat with a substantially higher percentage of forbs (> 15% cover post establishment) th

Total: 2 comment(s)