

State of Colorado
Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

400069149

Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 334710

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 stand alone 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:

334710

Expiration Date:

08/12/2013☐ 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: Leverich Number: 31-12 Pad

County: GARFIELD

QuarterQuarter: LOT 3 Section: 31 Township: 6S Range: 93W Meridian: 6 Ground Elevation: 6794

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: 1578 feet, from North or South section line: FSL and 1089 feet, from East or West section line: FWL

Latitude: 39.479463 Longitude: -107.822869 PDOP Reading: 2.5 Date of Measurement: 07/11/2008

Instrument Operator's Name: Matt Buskar

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

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="12"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="8"/>	Water Tanks: <input type="text"/>	Separators: <input type="text" value="4"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: 4 4 pack separators and common Condensate/water tanks

6. Construction:

Date planned to commence construction: 02/01/2011 Size of disturbed area during construction in acres: 3.80
Estimated date that interim reclamation will begin: 02/01/2014 Size of location after interim reclamation in acres: 1.20
Estimated post-construction ground elevation: 6794 Will a closed loop system be used for drilling fluids: Yes ☒
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒
Mud disposal: Offsite ☒ Onsite ☐ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☒
Other: _____

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 01/28/2008
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
The surface owner is: ☒ the mineral owner ☒ committed to an oil and gas lease
☐ is the executer of the oil and gas lease ☐ the applicant
The right to construct the location is granted by: ☐ oil and gas lease ☒ 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 ☒
Distance, in feet, to nearest building: 3525, public road: 2680, above ground utilit: 2387
, railroad: 14890, property line: 1578

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

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☒ 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: ☒ 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: Villa Grove- Zoltay Loams 15-30% Slopes Map Unit Symbol 71

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: _____

List individual species: _____

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
☐ Native Grassland (Bluestern, 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: 56, water well: 1730, depth to ground water: 80

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 Supply 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:

Memorandum of "Surface Use, Access, and Right of Way" Agreement Attached. Weed Management is conducted in accordance with BLM Colorado River Field Office Noxious Weed Management plan that has been adopted by LEII for all oil and gas operations in Garfield County Including Private and Fed. Lands. Stormwater Permit No. COR 03C798 for HELMER GULCH. Site covered by Laramie II SPCC plan for HELMERR GULCH- SOUTH LEVERICH PROJECT AREA.

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

Signed: _____ Date: 06/24/2010 Email: wbankert@laramie-energy.com

Print Name: Wayne P. Bankert Title: Senior 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.

David S. Neslin

COGCC Approved: _____

Director of COGCC

Date: 8/13/2010

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.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.

Operator must implement best management practices to contain any unintentional release of fluids.

Location is in a sensitive area because of close proximity to surface water, therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

Reserve pit must be lined or closed loop system must be implemented during drilling.

Attachment Check List

Att Doc Num	Name	Doc Description
2033252	CORRESPONDENCE	LF@2506361 2033252
400069149	FORM 2A SUBMITTED	LF@2496980 400069149
400069209	ACCESS ROAD MAP	LF@2496981 400069209
400069210	CONST. LAYOUT DRAWINGS	LF@2496982 400069210
400069211	HYDROLOGY MAP	LF@2496983 400069211
400069212	LOCATION DRAWING	LF@2496984 400069212
400069213	MULTI-WELL PLAN	LF@2496985 400069213
400069214	REFERENCE AREA MAP	LF@2496986 400069214
400069215	PROPOSED BMPs	LF@2496987 400069215
400069216	SURFACE AGRMT/SURETY	LF@2496988 400069216
400069217	NRCS MAP UNIT DESC	LF@2496989 400069217
400069218	OTHER	LF@2496990 400069218
400069222	REFERENCE AREA PICTURES	LF@2496991 400069222
400072450	LOCATION PICTURES	LF@2496992 400072450

Total Attach: 14 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Form 2A only. site has 4 producing wells and plans for a total of 12.	8/12/2010 9:24:48 AM
OGLA	Initiated/Completed OGLA Form 2A review on 06-28-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, and no pit in fill COAs from operator on 06-28-10; received clarifications and acknowledgement of COAs from operator on 06-29-10; passed by CDOW on 08-03-10, with operator submitted BMPs (with permit application) acceptable; passed OGLA Form 2A review on 08-03-10 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill COAs.	8/3/2010 8:57:54 AM
DOW	The BMPs as submitted by the operator are appropriate for the site and species impacted. by Michael Warren on Tuesday, August 3, 2010 at 8:20 A.M.	8/3/2010 8:57:54 AM

Total: 3 comment(s)

Error: Subreport could not be shown.