

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:  
400121642

### Oil and Gas Location Assessment

New Location       Amend Existing Location      Location#: \_\_\_\_\_

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:  
**421526**  
Expiration Date:  
**02/07/2014**

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: High Lonesome Ranch Number: 17-01 Pad  
County: GARFIELD  
Quarter: NENE Section: 17 Township: 7S Range: 98W Meridian: 6 Ground Elevation: 5653  
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: 415 feet FNL, from North or South section line, and 1117 feet FEL, from East or West section line.  
Latitude: 39.452360 Longitude: -108.348526 PDOP Reading: 3.7 Date of Measurement: 10/16/2010  
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: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/>	Wells: <input type="text" value="4"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="text" value="2"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="text" value="2"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: Water and Condensate in Common Tanks. 2-5pack separators.

6. Construction:

Date planned to commence construction: 03/01/2011 Size of disturbed area during construction in acres: 4.70
Estimated date that interim reclamation will begin: 03/01/2014 Size of location after interim reclamation in acres: 1.50
Estimated post-construction ground elevation: 5651 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 [X]
Mud disposal: Offsite [X] Onsite [ ] Method: Land Farming [ ] Land Spreading [ ] Disposal Facility [X]
Other: \_\_\_\_\_

7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_
Address: \_\_\_\_\_ Fax: \_\_\_\_\_
Address: \_\_\_\_\_ Email: \_\_\_\_\_
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 11/01/2010
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 [ ] Surface Use Agreement [ ] Right of Way
[ ] applicant is owner
Surface damage assurance if no agreement is in place: [ ] \$2000 [ ] \$5000 [X] Blanket Surety ID 20070076

8. Reclamation Financial Assurance:

[X] 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: 4200 , public road: 417 , above ground utilit: 800
, railroad: 58080 , property line: 417

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 [X] Other (describe): Old Non-irrigated Pasture
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 [X] Other (describe): Old Non-irrigated Pasture
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: Map Unit 44: Happle very chanerry sandy loam 3-12% slopes

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 (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): Old abandoned irrigate pasture. Rabbit brush, sage brush, and assorted native grasses

### 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: 300, water well: 4250, depth to ground water: 60

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 static depth of nearest water well. See attached E-mail from ACOE for Jurisdictional authority. Operator has a surface Use Agreement with the landowner, but do to business decisions by the Landowner and LEII, the SUA will not be signed until March 1, 2011.

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

Signed: \_\_\_\_\_ Date: 01/14/2011 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.

*David S. Neslin*

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 2/8/2011

**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.**

Location is in a sensitive area because of its 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; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material (per Rule 604.a.(4)).

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.

Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

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.

**Attachment Check List**

Att Doc Num	Name
2033592	CORRESPONDENCE
400121642	FORM 2A SUBMITTED
400121697	LOCATION PICTURES
400121698	ACCESS ROAD MAP
400121699	CONST. LAYOUT DRAWINGS
400121700	HYDROLOGY MAP
400121703	REFERENCE AREA MAP
400121706	REFERENCE AREA PICTURES
400121714	NRCS MAP UNIT DESC
400121715	NRCS MAP UNIT DESC
400121716	PROPOSED BMPs
400121729	WAIVERS
400123834	MULTI-WELL PLAN
400123838	LOCATION DRAWING
400123839	CORRESPONDENCE
400123847	FED. DRILLING PERMIT

Total Attach: 16 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Operator has a surface Use Agreement with the landowner, but do to business decisions by the Landowner and LEII, the SUA will not be signed until March 1, 2011. Changed the Form 2A to bonding on. Operator will provide SUA when finalized. plg.	1/25/2011 8:30:13 AM
OGLA	Initiated/Completed OGLA Form 2A review on 01-20-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, flowback to tanks, tank berming, and cuttings low moisture content COAs from operator on 01-20-11; received acknowledgement of COAs from operator on 01-20-10; passed by CDOW on 01-18-11 with operator submitted BMPs (with permit application) and onsite consultation discussion acceptable; passed OGLA Form 2A review on 02-04-11 by Dave Kubeczko; fluid containment, spill/release BMPs, flowback to tanks, tank berming, and cuttings low moisture content COAs.	1/20/2011 8:33:57 AM
DOW	The BMPs as submitted by the operator are appropriate for the site and species affected.  by Michael Warren on Tuesday, January 18, 2011 at 10:25 A.M.	1/18/2011 10:19:28 AM

Total: 3 comment(s)

**BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>
Storm Water/Erosion Control	SWMP in place. Permit Application submitted to CDPHE for approval.
Wildlife	Consultation with DOW (Michael Warren) and Landowner on the ground December 16, 2010. Standard Wildlife BMP's attached for SWH for Deer Wintering Range.

Total: 2 comment(s)