

FORM  
2A

Rev  
04/01

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:  
400398367

Date Received:  
04/04/2013

Oil and Gas Location Assessment

New Location  Amend Existing Location Location#: 311899

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:  
**311899**  
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: 26625  
 Name: ELM RIDGE EXPLORATION CO LLC  
 Address: 12225 GREENVILLE AVE STE 950  
 City: DALLAS State: TX Zip: 75243-9362

3. Contact Information

Name: Terry Lindeman  
 Phone: (505) 632-3476  
 Fax: (505) 632-8151  
 email: tlindeman@elmridge.com

4. Location Identification:

Name: IGE Number: 116  
 County: LA PLATA  
 Quarter: SE Section: 18 Township: 33N Range: 7W Meridian: N Ground Elevation: 6537

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: 1560 feet FNL, from North or South section line, and 1640 feet FWL, from East or West section line.  
 Latitude: 37.107130 Longitude: -107.653680 PDOP Reading: 2.0 Date of Measurement: 12/08/2006  
 Instrument Operator's Name: Scott Weibe

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="checkbox" value="4"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox" value="3"/>	Separators: <input type="checkbox" value="3"/>	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" value="1"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox" value="3"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox" value="2"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: \_\_\_\_\_

6. Construction:

Date planned to commence construction: 05/15/2013 Size of disturbed area during construction in acres: 1.27  
 Estimated date that interim reclamation will begin: 10/15/2013 Size of location after interim reclamation in acres: 1.27  
 Estimated post-construction ground elevation: 6532 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: Closed loop, Dry, Bury on site

**7. Surface Owner:**

Name: CRG Excavation and Constr Phone: 970-884-7380  
 Address: P.O. Box 1160 Fax: 970-884-6198  
 Address: 777 Orchard Email: crginc@westernet.net  
 City: Bayfield State: CO Zip: 81122 Date of Rule 306 surface owner consultation: 03/27/2013

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 20100130

**8. Reclamation Financial Assurance:**

Well Surety ID: 20030083  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: 850, public road: 3700, above ground utilit: 1470  
 , railroad: 5280, property line: 154

**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: Bodot Clay, 3 to 10% 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: Western wheatgrass, Big sagebrush, Glue grama, Bottlebrush squirreltail, India ricegrass, Muttongrass, Prarie Junegrass, Rocky Mountain Juniper, Rubber rabbitbrush, Twoneedle pinon.

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: 75, water well: 880, depth to ground water: 40

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 of ground water info was obtained from proximate water wells reports. Reference is located immediately adjacent to the well pad to the north on undisturbed ground.

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

Signed: \_\_\_\_\_ Date: 04/04/2013 Email: jlr@animas.net

Print Name: Robert D. Joyce Title: Agent

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.**

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**Attachment Check List**

Att Doc Num	Name
400398367	FORM 2A SUBMITTED
400398378	HYDROLOGY MAP
400398380	LOCATION DRAWING
400398381	LOCATION PICTURES
400398384	SURFACE PLAN
400398391	ACCESS ROAD MAP
400398394	MULTI-WELL PLAN
400398397	NRCS MAP UNIT DESC
400398403	REFERENCE AREA MAP

Total Attach: 9 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)

**BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>
Construction	<p>The IGE 116 well location will be expanding to the North of the existing Ute T. G. U. #1 well into a relatively flat, non-irrigated field. Very little vegetation will be removed. Dirt from the excavation of the reserve pit will be stockpiled until interim reclamation. Straw wattles will be placed around the perimeter of the well pad during construction operations where appropriate to control runoff and prevent sediment from flowing beyond the perimeter of the disturbed area.</p> <p>All equipment will be painted with a uniform, non-reflective paint that is darker than the adjacent landscape.</p> <p>Any disturbed area that is outside the permanent well pad will reseeded with a weed-free seed mixture consistent with the surrounding area.</p> <p>Re-seeding will be done via drill seeding in flat areas and broadcast seeding on slopes. Reseeding will be done in spring or summer.</p> <p>Elm Ridge will control all noxious weeds as identified by the La Plata County weed technician.</p> <p>Elm Ridge will monitor the site after reclamation and spray for weeds where necessary. Methods of control will be pursuant to recommendations from the LaPlata County weed control technician</p>

Total: 1 comment(s)