

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:  
400391540

Date Received:

Oil and Gas Location Assessment

New Location  Amend Existing Location Location#: 311910

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:  
**311910**  
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.net

4. Location Identification:

Name: IGE Number: 118  
 County: LA PLATA  
 Quarter: NWSW 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: 1427 feet FSL, from North or South section line, and 963 feet FWL, from East or West section line.  
 Latitude: 37.100790 Longitude: -107.656010 PDOP Reading: 1.9 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="text" value="0"/>	Drilling Pits: <input type="text" value="0"/>	Wells: <input type="text" value="3"/>	Production Pits: <input type="text" value="0"/>	Dehydrator Units: <input type="text" value="0"/>
Condensate Tanks: <input type="text" value="0"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text" value="0"/>	Multi-Well Pits: <input type="text" value="0"/>
Gas or Diesel Motors: <input type="text" value="0"/>	Cavity Pumps: <input type="text" value="0"/>	LACT Unit: <input type="text" value="0"/>	Pump Jacks: <input type="text" value="0"/>	Pigging Station: <input type="text" value="0"/>
Electric Generators: <input type="text" value="0"/>	Gas Pipeline: <input type="text" value="2"/>	Oil Pipeline: <input type="text" value="0"/>	Water Pipeline: <input type="text" value="0"/>	Flare: <input type="text" value="0"/>
Gas Compressors: <input type="text" value="0"/>	VOC Combustor: <input type="text" value="0"/>	Oil Tanks: <input type="text" value="0"/>	Fuel Tanks: <input type="text" value="0"/>	

Other: 1 meter run

6. Construction:

Date planned to commence construction: 05/15/2013 Size of disturbed area during construction in acres: 2.22  
Estimated date that interim reclamation will begin: 10/15/2013 Size of location after interim reclamation in acres: 2.15  
Estimated post-construction ground elevation: 6537 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: dry and bury on site

### 7. Surface Owner:

Name: GFD Ignacio, LLC Phone: 970-385-7770  
Address: 175 Mercado St., Ste 240 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: pmorrissey@sugf.com  
City: Durango State: CO Zip: 81301 Date of Rule 306 surface owner consultation: 03/15/2013  
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 \_\_\_\_\_

### 8. Reclamation Financial Assurance:

Well Surety ID: 20100130  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: 486, public road: 1310, above ground utilit: 835  
, railroad: 5280, property line: 316

### 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: Arboles clay, 3 to 12 percent slopes-the online report generated by NCRS is very abbreviated.

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: 475, water well: 1750, depth to ground water: 200

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:

This is a refile of a previous permit which was issued API # 05-067-09560. This well will be located on an existing well pad. Depth to ground water varies in this area and no specific information is available for this tract because there are no water wells on fee lands within 1/2 mile. Colorado Division of Water Resources Aquamap shows depths of water wells in the general area to be between 170 -255 feet in depth.

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: jl@animas.net

Print Name: Robert D. Joyce Title: Landman

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
400396822	FORM 2A
400396823	NRCS MAP UNIT DESC
400396824	HYDROLOGY MAP
400396825	CONST. LAYOUT DRAWINGS
400396826	ACCESS ROAD MAP
400396827	LOCATION PICTURES
400396828	LOCATION DRAWING
400396829	REFERENCE AREA MAP
400396830	SURFACE AGRMT/SURETY
400396831	MULTI-WELL PLAN

Total Attach: 10 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 118 well location will be expanding to the North and West of the existing Ute T #2 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.</p> <p>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 previously 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. Re-seeding will be done via drill seeding in flat areas and broadcast seeding on slopes. Reseeding will be done in spring or summer. Elm Ridge will control all noxious weeds as identified by the La Plata County weed technician. 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)