

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:

400405072

Date Received:

05/01/2013

Oil and Gas Location Assessment

New Location

Amend Existing Location

Location#: 312001

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:

312001

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: 140

County: LA PLATA

Quarter: SWSW Section: 17 Township: 33N Range: 8W Meridian: N Ground Elevation: 6731

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: 1025 feet FNL, from North or South section line, and 1073 feet FWL, from East or West section line.

Latitude: 37.099950 Longitude: -107.746510 PDOP Reading: 3.0 Date of Measurement: 04/03/2008

Instrument Operator's Name: Nelson Ross

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="3"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="2"/>	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="2"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	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: 07/15/2013 Size of disturbed area during construction in acres: 0.92
Estimated date that interim reclamation will begin: 10/15/2013 Size of location after interim reclamation in acres: 1.67
Estimated post-construction ground elevation: 6731 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

7. Surface Owner:

Name: Roger Porterfield Phone: 970-
Address: 3599 CR 318, Ignacio, CO 81137 Fax: 563-9003
Address: _____ Email: _____
City: Ignacio State: CO Zip: 81137 Date of Rule 306 surface owner consultation: 04/11/2013
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: 20100131 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: 365, public road: 1025, above ground utilit: _____
, railroad: 5260, property line: 113

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 slope.
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: 575, water well: 675, depth to ground water: 300
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:

Colorado Division of Water Resources Aquamap shows depths of water wells inthe general area to be between 170 -300 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: 05/01/2013 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.

Attachment Check List

Att Doc Num	Name
400405072	FORM 2A SUBMITTED
400412114	CONST. LAYOUT DRAWINGS
400412116	LOCATION PICTURES
400412118	WELL LOCATION PLAT
400412123	ACCESS ROAD MAP
400412128	NRCS MAP UNIT DESC
400412382	HYDROLOGY MAP
400412384	LOCATION DRAWING
400412387	REFERENCE AREA MAP
400412389	SURFACE AGRMT/SURETY
400413261	MULTI-WELL PLAN

Total Attach: 11 Files

General Comments

User Group	Comment	Comment Date
Permit	Returned to draft. Incorrect plugging bond number. 20030086 has been released. Should be 20100131. Multi-well Plan shows one well.	5/2/2013 10:18:41 AM

Total: 1 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Construction	<p data-bbox="472 180 586 210">Narrative</p> <p data-bbox="472 212 1455 268">The IGE 140 well will be located within the footprint of the existing 110 well pad. No additional disturbance will be necessary.</p> <p data-bbox="472 300 753 329">Drainage management:</p> <p data-bbox="472 361 1455 478">The following drainage management features will be used onsite: Straw wattles will be used during construction operations where appropriate control runoff and to prevent sediment from flowing beyond the perimeter of the previously disturbed area. Revegetation will occur in either the spring or summer.</p> <p data-bbox="472 510 865 539">Visual Mitigation & Revegetation:</p> <p data-bbox="472 571 1455 627">This well will be located on an existing well pad. No pit is planned as a closed loop system will be employed.</p> <p data-bbox="472 659 1349 716">No disturbance of vegetation outside the existing well pad will occur so no revegetation/reseeding will be necessary.</p> <p data-bbox="472 747 1498 804">All equipment will be painted with a uniform, non-reflective paint that is darker than the adjacent landscape.</p> <p data-bbox="472 835 1503 892">Elm Ridge will control all noxious weeds as identified by the La Plata County weed technician and will monitor the site after reclamation and spray for weeds as necessary.</p> <p data-bbox="472 924 1503 1041">Noxious weeds will be controlled onsite by herbicide application, and methods of control will be pursuant to recommendations from the La Plata county weed control technician. Spraying will be applied by a certified professional. A weed management plan has been filed with the County Extension Office. Please refer to this plan for more details.</p>

Total: 1 comment(s)