

**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



Document Number:

400253313

Date Received:

02/22/2012

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:

428433

Expiration Date:

03/30/2015☒ 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: 10369

Name: NATURAL RESOURCE GROUP INC

Address: 1789 W LITTLETON BLVD

City: LITTLETON State: CO Zip: 80126

3. Contact Information

Name: Brian Hedberg

Phone: (303) 797-5417

Fax: (303) 797-5418

email: bhedberg@nrgcolo.com

4. Location Identification:

Name: Loretta Number: 1

County: LAS ANIMAS

QuarterQuarter: SWSW Section: 4 Township: 34S Range: 62W Meridian: 6 Ground Elevation: 6569

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: 659 feet FSL, from North or South section line, and 676 feet FWL, from East or West section line.

Latitude: 37.105252 Longitude: -104.356521 PDOP Reading: 6.0 Date of Measurement: 01/19/2012

Instrument Operator's Name: Gary L. Terry

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="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="1"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="1"/>	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" value="2"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 04/30/2012 Size of disturbed area during construction in acres: 0.50
Estimated date that interim reclamation will begin: 05/31/2012 Size of location after interim reclamation in acres: 0.25
Estimated post-construction ground elevation: 6569 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: No Mud - Air Drilling

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 01/18/2012
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: 20110094 ☐ 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: 7800, public road: 3000, above ground utilit: 7500
, railroad: 17424, property line: 660

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 be 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: Torean Clay Loam, 3 to 9 percent 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, Bluegrass, Green Needlegrass, Sandberg Bluegrass, Fourwing saltbush,
Indian ricegrass, Winterfat

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: 1250, water well: 5702, 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 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:

There are no improvements within 400' of the edge of the pad. The reference area is immediately adjacent to the east of the location.

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

Signed: _____ Date: 02/22/2012 Email: bhedberg@nrgcolo.com

Print Name: Brian Hedberg Title: General Counsel

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: 3/31/2012

**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
2533542	REFERENCE AREA PICTURES
400253313	FORM 2A SUBMITTED
400253328	HYDROLOGY MAP
400253329	ACCESS ROAD MAP
400253332	CONST. LAYOUT DRAWINGS
400257332	LOCATION PICTURES
400257338	NRCS MAP UNIT DESC

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed.	3/27/2012 7:07:53 AM
OGLA	Reference area photos have been received. Ready to pass.	3/23/2012 8:14:04 AM
OGLA	Reference area photos were not included with the 2A.	3/12/2012 1:29:51 PM
Permit	Operator corrected plugging bond, BMP's and attachments. This form has passed completeness.	3/2/2012 12:10:27 PM
Permit	Returned to draft. Invalid plugging bond, missing BMP's, location drawing, location pictures, and NRCS map unit description.	2/24/2012 7:04:34 AM

Total: 5 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Construction	Surface roads to ensure that the anticipated volume of traffic and the weight and speed of vehicles using the road do not cause environmental damage. Use minimum right-of-way width and vegetation mats where pipelines cross riparian areas and streams wherever possible.
Interim Reclamation	During drilling, production and reclamation operations, all disturbed areas will be kept as free from undesirable plant species as practicable.
Site Specific	Use existing roads where possible to avoid erosion and minimize the land area devoted to oil and gas operations. Restrict oil and gas activities as practicable during critical season periods.
Planning	Adequately size infrastructure and facilities to accomodate both current and future gas production. Avoid constructing any road segment in the channel of an intermittent or perennial stream. Combine utility infrastructure (gas, electric, water) planning with roadway planning to avoid separate utility corridors. Where possible, consolidate pipeline and existing roadways, or roadways that are planned for development.
General Housekeeping	Make sure all gates remain closed unless otherwise requested by surface owner.
Drilling/Completion Operations	Promptly report spills that affect wildlife to the CDOW. Limit parking to already disturbed areas that have not yet been reclaimed.
Wildlife	Enforce policies to protect wildlife (e.g., no poaching, no dogs on location, no feeding of wildlife, etc.)
Final Reclamation	Seed during appropriate season to increase likelihood of reclamation success. Do not include aggressive, non-native grasses in reclamation seed mixes.

Total: 8 comment(s)