

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:

400336943

Date Received:

10/18/2012

Oil and Gas Location Assessment

☐ New Location

☒ Amend Existing Location Location#: 417353

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:

**417353**

Expiration Date:

**11/29/2015**

☒ 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: 100122

Name: GUNNISON ENERGY CORPORATION

Address: 1801 BROADWAY #1200

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Lee Fyock

Phone: (303) 296-4222

Fax: (303) 296-4555

email: lee.fyock@oxbow.com

4. Location Identification:

Name: SPU Cockroft 1294

Number: 23-41D

County: DELTA

QuarterQuarter: TR 45 Section: 23 Township: 12S Range: 94W Meridian: 6 Ground Elevation: 8536

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: 1184 feet FNL, from North or South section line, and 1275 feet FEL, from East or West section line.

Latitude: 38.999319 Longitude: -107.858864 PDOP Reading: 1.7 Date of Measurement: 10/17/2012

Instrument Operator's Name: Robert Kay - U.E.L.S.

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="text" value="0"/>	Wells: <input type="text" value="3"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="text" value="1"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="1"/>	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="text" value="1"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="checkbox"/>	

Other: Temporary compressor\*, dehy\*\*, cuttings trench

6. Construction:

Date planned to commence construction: 10/16/2012 Size of disturbed area during construction in acres: 2.00  
Estimated date that interim reclamation will begin: 06/01/2013 Size of location after interim reclamation in acres: 1.50  
Estimated post-construction ground elevation: 8538 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: Evaporate and bury

## 7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: \_\_\_\_\_  
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: 20110179 ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgmt. Surety ID: \_\_\_\_\_

## 9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 462, public road: 462, above ground utilit: 2980  
, railroad: 68640, property line: 470

## 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: 25. COCHETOPA STONY LOAM, 10-40% 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: 09/10/2011  
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): \_\_\_\_\_

### 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: 318, water well: 3375, depth to ground water: 22  
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:

Temporary compression will be conducted to test the well. Following testing, all compression related equipment will be removed.

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

Signed: \_\_\_\_\_ Date: 10/18/2012 Email: patty.johnson@oxbow.com

Print Name: Patty Johnson Title: Drlg and Operations TEch

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: Matthew Lee Director of COGCC Date: 11/30/2012

**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.**

**ADDITIONAL SITE SPECIFIC COAs:**

Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations (as shown on the Proposed BMPs attachment); 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.

Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).

The moisture content of any 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, if the drill cuttings are to be left onsite, they must also meet the applicable standards of table 910-1.

Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) located on the well pad; or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment 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.

Berms or other containment devices shall be constructed to be sufficiently impervious (preferably corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.

**Attachment Check List**

Att Doc Num	Name
1293040	MULTI-WELL PLAN
1293041	LOCATION DRAWING
400336943	FORM 2A SUBMITTED
400337275	CONST. LAYOUT DRAWINGS

Total Attach: 4 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	MWP and loc. drawing attached. Right to construct is lease. No public comments. LGD approved with comments. Final Review--passed.	11/19/2012 3:21:43 PM
Permit	Corrected name of location to agree with previous 2A. Corrected qtr/qtr. Req'd multi-well plan, revised loc. drawing.	11/12/2012 11:47:23 AM
OGLA	PREVIOUS FORM 2A#2094705 SITE SPECIFIC COAs THAT APPLY TO THIS FORM 2A:  Location is in a sensitive area due to close proximity to potential shallow groundwater; therefore, either a lined drilling pit or closed loop system (which operator has indicated in the Form 2A) must be implemented.  Operator must implement best management practices to contain any unintentional release of fluids.  Location is in a sensitive area because of close 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.	11/12/2012 10:00:43 AM
OGLA	Initiated/Completed OGLA Form 2A review on 11-12-12 by Dave Kubeczko; previously submitted and approved (05-19-10) Form 2A#2094705; OGCC Facility ID#417353; same COAs applies, lined pit/closed loop, fluid containment, and spill/release BMPs; no CPW; passed OGLA Form 2A review on (TBD: 11-15-12) by Dave Kubeczko; lined pit/closed loop, fluid containment, and spill/release BMPs COAs.	11/12/2012 9:45:15 AM
LGD	COGCC: ref. GEC SPU Cockroft 1294, 23-41D-H1R, Form 2A  Delta County has routinely inspected the operations and witnessed the difficult downhole conditions experienced by the Operator while attempting to drill the prior side tracked well #23-41D-H1. Conditions which lead to its temporary abandonment. The location of this redrill-well #23-41D-H1R on the existing site required no site expansion or additional access road construction. Delta County has no concerns with re-classifying the existing pad to a multi-well pad to accomodate this necessary re-location for an on site re-drill replacing the lost hole. However, Delta County, does reserve comments and any inferred approvals for other new wells which may later be proposed on the site under the multi-well designation. Bruce C. Bertram, Delta County LGD, 10/29/12	11/1/2012 9:30:34 AM
Permit	Corrected # of wells on this pad to "3" with the addition of this skidded location. There was an existing Mesaverde producing well prior to the drilling of the Cockroft 1294 23-41D.	10/25/2012 8:17:19 AM
Permit	Operator submitted correct plugging bond surety id and completed field observation date in plant comm. section. This form passed completeness.	10/24/2012 4:45:14 PM
Permit	Return to draft: 1. plugging bond surety id # submitted is for Excessive Inactive, which is not applicable for active/permitting wells. 2. field observation date is incomplete under the plant community section.	10/24/2012 3:18:36 PM
Permit	Return to draft: 1. plugging bond surety id # is released, therefore, incomplete.	10/21/2012 12:22:15 PM

Total: 9 comment(s)

### BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)