

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:  
400388025

Date Received:

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:

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: 46685

Name: KINDER MORGAN CO2 CO LP

Address: 17801 HWY 491

City: CORTEZ      State: CO      Zip: 81321

3. Contact Information

Name: Carolyn Dunmire / Ecosphere

Phone: (970) 564-9100

Fax: (970) 565-8874

email: dunmire@ecosphere-services.com

4. Location Identification:

Name: HA      Number: 5

County: MONTEZUMA

Quarter: SENE    Section: 29    Township: 38N    Range: 18W    Meridian: N    Ground Elevation: 6742

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: 1610 feet FNL, from North or South section line, and 272 feet FEL, from East or West section line.

Latitude: 37.525450    Longitude: -108.847670    PDOP Reading: 1.9    Date of Measurement: 10/17/2012

Instrument Operator's Name: Gerald G. Huddleston

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"/> <u>1</u>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/>	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="checkbox"/>	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: CO2 pipeline, temporary blow pit during drilling.

6. Construction:

Date planned to commence construction: 05/01/2013 Size of disturbed area during construction in acres: 5.78  
 Estimated date that interim reclamation will begin: 08/01/2013 Size of location after interim reclamation in acres: 3.14  
 Estimated post-construction ground elevation: 6743 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: de-watered by closed loop

**7. Surface Owner:**

Name: Daniel Bangs Phone: (970) 403-9156  
 Address: 21657 County Road 11 Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: Pleasant View State: CO Zip: 81331 Date of Rule 306 surface owner consultation: 01/15/2013

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: 20110027  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: 828, public road: 265, above ground utilit: 253  
 , railroad: 5280, property line: 272

**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: Wetherill loam, 3 to 6 percent slopes  
NRCS Map Unit Name: Wetherill loam, 6 to 12 percent slopes  
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: 03/14/2013

List individual species: \*One extremely dessicated thistle was found on the south central portion of the pad. This plant could have been either Cirsium arvense (Canada thistle - noxious) or Cirsium vulgare (bull thistle - not noxious). Bromus tectorum (cheatgrass) was also found.

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): The entire location is within a field of CRP planted to various wheatgrass species.

**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: 1594, water well: 4056, depth to ground water: 316

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:**

There are three water wells that appear on the COGCC mapping site that are closer to the proposed well location than the well listed above, but two were never drilled. The third well was drilled to a depth of 1,070 feet, but did not encounter water. SUAs will be attached with form 2. The H2S Contingency and Salt Drilling Procedures will be attached with the Form 2.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.  
Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: dunmire@ecosphere-services.com  
Print Name: Carolyn Dunmire Title: Project Manager

## Surface Owner Information

Owner Name	Address	Phone	Fax	Email
Daniel Bangs	21657 County Road 11 Pleasant View, CO 81331	(970) 403-9156		
Sam Bangs	21657 County Road 11 Pleasant View, CO 81331	(970) 562-6512		

2 Surface Owner(s)

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
400389225	WELL LOCATION PLAT
400391878	NRCS MAP UNIT DESC
400391954	LOCATION PICTURES
400391956	REFERENCE AREA PICTURES
400395418	EQUIPMENT LIST
400395422	ACCESS ROAD MAP
400395425	HYDROLOGY MAP
400395426	LOCATION DRAWING
400395428	REFERENCE AREA MAP
400395430	SENSITIVE AREA MAP
400395445	CONST. LAYOUT DRAWINGS
400395456	SURFACE AGRMT/SURETY
400395810	OTHER

Total Attach: 13 Files

### General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Final Reclamation	All disturbed areas that are not necessary for operational procedures will be restored to at least 70 percent of pre-disturbance vegetative cover.
General Housekeeping	Erosion control barriers, namely fiber wattles, will be placed at the edge of disturbance where necessary. Care will be taken to avoid disturbance outside of the project area unless it is deemed necessary for equipment stability and fire safety.
Storm Water/Erosion Control	Fiber wattles will encompass the entire periphery of the disturbed area.  Tackifier will be added to the stored topsoil piles to prevent erosion. Stockpiled soils will have slopes not greater than 3:1.  Stormwater BMPs will be maintained/amended by Kinder Morgan as site conditions change throughout the construction and reclamation process.
Interim Reclamation	Surface roughening, surface contouring, seeding, and weed control will be employed to facilitate vegetation reestablishment. Tackifier will be added to reclaimed areas.
Construction	All equipment will be stored within the right-of-way (ROW) area of disturbance. Top soil will be removed to create a level pad for drilling and an access road (Length: 325', ROW: 50'). The Drilling Facility Layout Map displays the areas that will be used for storage of building materials, equipment, and soil.  Vegetation that does not need to be removed will be avoided during construction and removed vegetation will be cut near ground level, leaving the root system intact except where permanent facilities, roads, or ROWs require the complete removal of vegetation.

Total: 5 comment(s)