

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:

400395188

Date Received:

04/19/2013

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  
 Phone: (970) 564-9100  
 Fax: (970) 565-8874  
 email: dunmire@ecosphere-services.com

4. Location Identification:

Name: DOE CANYON Number: 14  
 County: DOLOROS  
 Quarter: SWSE Section: 14 Township: 40N Range: 18W Meridian: N Ground Elevation: 7105

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: 987 feet FSL, from North or South section line, and 2384 feet FEL, from East or West section line.  
 Latitude: 37.728770 Longitude: -108.814940 PDOP Reading: 1.6 Date of Measurement: 03/22/2013  
 Instrument Operator's Name: Gerald 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="text" value="1"/>	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: C02 pipeline

6. Construction:

Date planned to commence construction: 07/01/2013 Size of disturbed area during construction in acres: 12.13  
 Estimated date that interim reclamation will begin: 09/01/2013 Size of location after interim reclamation in acres: 4.65  
 Estimated post-construction ground elevation: 7105 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: Imogene Daves Family LLLP Phone: \_\_\_\_\_  
 Address: PO Box 125 Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: Cahone State: CO Zip: 81320 Date of Rule 306 surface owner consultation: 03/01/2013  
 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 20080051

**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: 2993, public road: 2465, above ground utilit: 2917  
 , railroad: 5280, property line: 245

**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: Gladel-Pulpit complex, 3 to 9 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: 04/02/2013  
List individual species: winter wheat (Triticum sp.), big sagebrush (Artemisia tridentata), broom snakeweed (Gutierrezia sarothrae), banana yucca (Yucca baccata), cheatgrass (bromus tectorum), western wheatgrass (Pascopyrum smithii), cliff fendlerbush (Fendlera rupicola).

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): Approximately 97% of the disturbed area is in a dryland agricultural field planted to winter wheat.

**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: 1317, water well: 5280, depth to ground water: 145  
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:**

The nearest active water well is located 7,561 feet to the north of the proposed well. A permit was granted in 2009 for a well that would be closer to the location, but has not yet been drilled. Salt and H2S procedures are attached to 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: 04/19/2013 Email: dunmire@ecosphere-services.com  
Print Name: Carolyn Dunmire Title: Project Manager

## Surface Owner Information

Owner Name	Address	Phone	Fax	Email
Imogene Daves Family LLLP	PO Box 125 Cahone, CO 81320			
Roger D. Daves	21945 B.7 Cortez, CO 81321			
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
400395188	FORM 2A SUBMITTED
400398874	LOCATION PICTURES
400398875	REFERENCE AREA PICTURES
400399747	NRCS MAP UNIT DESC
400402929	ACCESS ROAD MAP
400402934	HYDROLOGY MAP
400402943	LOCATION DRAWING
400402947	REFERENCE AREA MAP
400402952	SENSITIVE AREA MAP
400402984	WELL LOCATION PLAT
400406763	PROPOSED BMPs
400406767	OTHER
400406898	TOPO MAP

Total Attach: 13 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Construction	<p>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, an access road (Length: 3,460' ROW: 40' ), and pipeline (Length: 2,938' ROW: 50'). The Location Drawing displays the area that will be used for storage of soil.</p> <p>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.</p>
Interim Reclamation	<p>Disturbed portions of the well pad not necessary for operation and maintenance will be re-contoured and roughened to blend into the surrounding terrain. In addition, a landowner approved seed mix will be applied at the appropriate time using seeding and mulching methods outlined in the MSWMP. Weed control will be employed to help facilitate vegetation reestablishment.</p>
Storm Water/Erosion Control	<p>Fiber wattles will encompass the entire periphery of the disturbed area and stockpiled soils.</p> <p>Tackifier will be added to the stored topsoil piles and areas of interim reclamation to inhibit erosion. The slope ratio of stockpiled soils will not exceed 3:1.</p> <p>Stormwater BMPs will be maintained and/or amended by Kinder Morgan as site conditions change during the construction and reclamation process.</p>
Final Reclamation	<p>All disturbed areas that are not necessary for operational procedures will be restored to at least 70 percent of pre-disturbance vegetative cover.</p>
General Housekeeping	<p>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.</p>

Total: 5 comment(s)