

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



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Document Number:

2586274

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 stand alone 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:

**419721**

Expiration Date:

**10/06/2013**

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: BOB CLAYTON

Phone: (970) 882-5507

Fax: (970) 882-5521

email: BOB\_CLAYTON@KINDERMORGAN.COM

4. Location Identification:

Name: GOODMAN POINT      Number: 24-25 PAD

County: MONTEZUMA

Quarter: SENE      Section: 33      Township: 37N      Range: 18W      Meridian: N      Ground Elevation: 6571

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: 1629 feet, from North or South section line: FNL and 779 feet, from East or West section line: FEL

Latitude: 37.423250      Longitude: -108.830970      PDOP Reading: 2.3      Date of Measurement: 01/09/2009

Instrument Operator's Name: RJ CASSEY

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: <input type="text" value="1"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="2"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text"/>	Separators: <input type="text"/>	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"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: 2 SUBSURFACE CO2 FLOW LINES

6. Construction:

Date planned to commence construction: 04/01/2011 Size of disturbed area during construction in acres: 5.59
Estimated date that interim reclamation will begin: 09/01/2011 Size of location after interim reclamation in acres: 4.17
Estimated post-construction ground elevation: 6571 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: RESERVE PIT

7. Surface Owner:

Name: Phone:
Address: Fax:
Address: Email:
City: State: Zip: Date of Rule 306 surface owner consultation: 10/08/2010
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: 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: 5280, public road: 5280, above ground utilit: 5280
, railroad: 5280, property line: 5280

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): ENERGY DEVELOPMENT
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): ENERGY DEVELOPMENT
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: (42) GALADEL PULPIT COMPLEX 3-9 PERCENT SLOPES

NRCS Map Unit Name: (144) WETHERILL SILT LOAM 3-6 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: 04/14/2010

List individual species: PINON, JUNIPER, SAGE, CRESTED WHEAT, JAMES GALLETA, BROOM SNAKEWEED,  
CLIFFROSE, MORMON TEA, SERVICEBERRY, ANTELOPE BITTERBRUSH, RUBBER  
RABBITBRUSH

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)  
 Native Grassland (Bluestern, 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): DISTURBED SHRUB AND FOREST LAND

### 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: 1994, water well: 16790, depth to ground water: 195

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:

FOR FURTHER DETAILS OF THE PROPOSED PROJECT, REFER TO THE ATTACHED: ENVIRONMENTAL ASSESSMENT #CO-800-2009-043 KINDER MORGAN PROPOSED GOODMAN POINT DEVELOPMENT PROJECT.

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

Signed: \_\_\_\_\_ Date: 07/01/2010 Email: STENJEM@ECOSPHERE-SERVICES.COM

Print Name: AMANDA STENJEM Title: BIOLOGIST

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

*David S. Neslin*

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 10/7/2010

**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.**

Production pit/special purpose pit must be lined.

The moisture content of any drill 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, the drill cuttings must also meet the applicable standards of table 910-1.

The access road will be constructed as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

Either a lined drilling pit or closed loop system must be implemented.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; 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., BMPs associated with stormwater management) sufficiently protective of the nearby surface water.

### Attachment Check List

Att Doc Num	Name	Doc Description
2033348	NRCS MAP UNIT DESC	LF@2545148 2033348
2033349	NRCS MAP UNIT DESC	LF@2545150 2033349
2033407	CORRESPONDENCE	LF@2545147 2033407
2510447	REFERENCE AREA MAP	LF@2534033 2510447
2586274	FORM 2A	LF@2533961 2586274
2586277	CONST. LAYOUT DRAWINGS	LF@2533962 2586277
2586278	LOCATION DRAWING	LF@2534032 2586278
2586279	NRCS MAP UNIT DESC	LF@2533963 2586279
2586280	PROPOSED BMPs	LF@2533964 2586280
2586281	LOCATION PICTURES	LF@2534040 2586281
2586282	LOCATION PICTURES	LF@2534041 2586282
2586283	LOCATION PICTURES	LF@2534042 2586283
2586284	LOCATION PICTURES	LF@2534043 2586284
2586285	ACCESS ROAD MAP	LF@2534044 2586285
2586286	OTHER	LF@2534039 2586286
2586287	SENSITIVE AREA DATA	LF@2534038 2586287
2586346	REFERENCE AREA PICTURES	LF@2534034 2586346
2586347	REFERENCE AREA PICTURES	LF@2534035 2586347
2586348	REFERENCE AREA PICTURES	LF@2534036 2586348
2586349	REFERENCE AREA PICTURES	LF@2534037 2586349
2586357	MULTI-WELL PLAN	LF@2535403 2586357
2586358	HYDROLOGY MAP	LF@2535402 2586358

Total Attach: 22 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED	10/5/2010 5:05:35 PM
OGLA	Initiated/Completed OGLA Form 2A review on 09-08-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, cuttings low moisture, no pit in fill, reserve pit lined/closed loop, lined production pit, sediment control access road COAs from operator on 09-08-10; received clarifications and acknowledgement of COAs from operator on 09-09-10; no CDOW; changed distances to nearest surface water, water well, and depth to groundwater; passed OGLA Form 2A review on 09-24-10 by Dave Kubeczko; fluid containment, spill/release BMPs, cuttings low moisture, no pit in fill, reserve pit lined/closed loop, lined production pit, sediment control access road COAs.	9/8/2010 5:50:43 PM
Permit	Added distances to nearest building etc. in cultural section with operator approval.	9/3/2010 10:37:25 AM

Total: 3 comment(s)

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