

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:  
400122688

### 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:  
**421685**  
Expiration Date:  
**02/26/2014**

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: 10316  
Name: MESA ENERGY PARTNERS LLC  
Address: 1001 17TH ST STE 1140  
City: DENVER State: CO Zip: 80202

#### 3. Contact Information

Name: Christopher Noonan  
Phone: (303) 820-4480  
Fax: (303) 820-4124  
email: bob@banko1.com

#### 4. Location Identification:

Name: Stake Springs Compressor Number: \_\_\_\_\_  
County: RIO BLANCO  
Quarter: SESW Section: 29 Township: 1S Range: 98W Meridian: 6 Ground Elevation: 6369  
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: 629 feet FSL, from North or South section line, and 1623 feet FWL, from East or West section line.  
Latitude: 39.929390 Longitude: -108.418980 PDOP Reading: 2.2 Date of Measurement: 12/07/2010  
Instrument Operator's Name: Dave Murrey

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

Other: Amine Processing Unit (2)

6. Construction:

Date planned to commence construction: 03/01/2011 Size of disturbed area during construction in acres: 3.50  
 Estimated date that interim reclamation will begin: 04/01/2011 Size of location after interim reclamation in acres: 3.00  
 Estimated post-construction ground elevation: 6368 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: \_\_\_\_\_

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: \_\_\_\_\_  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: 340, above ground utilit: 250  
 , railroad: 5280, property line: 629

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: 36 - Glendive fine sandy loam

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: 12/07/2010

List individual species: Greasewood, Sagebrush, Grasses

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: 330, water well: 1700, depth to ground water: 82

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 closest water well, Permit No. 45458-MH, was confidential. Depth to groundwater was taken from water well Permit No. 50622, which is the closest water well with depth to groundwater information. DOW consultation was conducted on December 21, 2010. Site is located within 300' of surface water, however, per Dave Kubeczko, the site does not fall under rule 317B or the 300' Buffer Rule as it is not an oil and gas wellsite. Site is also outside of the 100 year flood plain. BMPs will be utilized in construction to protect surface water resources. Bonding for this site is being secured at the time of application, and will be in place shortly. Notification will be filed with COGCC. Right to construct is granted by the BLM ROW Lease # COC74728. Please see attached documentation. Form 12 will be submitted to the COGCC at the appropriate time. The reference area is located immediately adjacent to the compressor station pad to the south (see location pictures) on undisturbed land.

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

Signed: \_\_\_\_\_ Date: 01/24/2011 Email: bob@banko1.com

Print Name: Christopher A. Noonan Title: Permit Agent

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: \_\_\_\_\_

*David S. Neslin*

Director of COGCC

Date: 2/27/2011

**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.**

**GENERAL SITE COAs:**

Notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us) 48 hours prior to start of construction.

All tanks and aboveground vessels containing fluids must have secondary containment structures. All secondary containment structures/areas must be lined. Operator must ensure 150 percent secondary containment for the largest structure containing fluids within each bermed area at the facility during operations. The construction and lining of the secondary containment structures/areas shall be supervised by a professional engineer or their agent.

**SENSITIVE AREA (CLOSE PROXIMITY TO SURFACE WATER) COA:**

Location is in a sensitive area because of its proximity to surface water; therefore, operator must ensure secondary containment for any volume of fluids contained at the compressor site during natural gas activities and 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., best management practices [BMPs] associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the location will be stabilized, inspected at regular intervals, and maintained in good condition.

**Attachment Check List**

Att Doc Num	Name
2033623	CORRESPONDENCE
2033624	REFERENCE AREA PICTURES
400122688	FORM 2A SUBMITTED
400125648	NRCS MAP UNIT DESC
400125697	SURFACE PLAN
400125699	CONST. LAYOUT DRAWINGS
400125702	CONST. LAYOUT DRAWINGS
400126868	LEGAL/LEASE DESCRIPTION
400126869	LEGAL/LEASE DESCRIPTION
400126871	ACCESS ROAD MAP
400126876	HYDROLOGY MAP
400126878	LOCATION DRAWING
400126879	CONST. LAYOUT DRAWINGS
400126880	CONST. LAYOUT DRAWINGS
400126881	CONST. LAYOUT DRAWINGS
400128651	LOCATION PICTURES

Total Attach: 16 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
DOW	<p>The proposal for this action is located in an area with significant development form pipelins, tank batteries and existing county roads. The site is located approximately 1/8th of a mile southwest of the intersection of Rio Blanco County Roads 24 and 91 and is 340' south of Cty Rd 91. CDOW recommends that there is no need for timing limitation for elk production area since the area is already developed and has heavy stands of sagebrush and greasewood. There is little to no elk utilization of this area during the late spring/summer months due to the low elevation and lack of suitable habitat. This was confirmed with District Wildlife Manager Tom Knowles.</p> <p>Submitted by: Ed Winters, Land Use Specialist</p> <p>11 February 2011 @ 11:38</p>	<p>2/10/2011 11:41:24 AM</p>
OGLA	<p>Initiated/Completed OGLA Form 2A review on 02-07-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, and secondary containment tanks COAs from operator on 02-07-11; received acknowledgement of COAs from operator on 02-08-10; passed by CDOW on 02-10-11 with BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 02-22-11 by Dave Kubeczko; fluid containment, spill/release BMPs, and secondary containment tanks COAs.</p>	<p>2/7/2011 6:05:50 PM</p>
Permit	Opr corrected. sf	<p>1/31/2011 9:12:21 AM</p>
Permit	Back to draft for removal of Form 12, needs location pictures, and an answer to estimated post-construction elevation. sf	<p>1/25/2011 1:16:38 PM</p>

Total: 4 comment(s)

**BMP**

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

Total: 0 comment(s)