

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



Table with columns DE, ET, OE, ES

Document Number: 400120820

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 414180

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.

Location ID: 414180 Expiration Date: 04/19/2014

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

4. Location Identification:

Name: BDU Number: 15-10-199 County: RIO BLANCO Quarter: NWSE Section: 15 Township: 1S Range: 99W Meridian: 6 Ground Elevation: 6824 Define a single point as a location reference for the facility location. Footage at surface: 2184 feet FSL, from North or South section line, and 1802 feet FEL, from East or West section line. Latitude: 39.963636 Longitude: -108.487656 PDOP Reading: 1.4 Date of Measurement: 03/11/2009 Instrument Operator's Name: Robert Kay

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

Special Purpose Pits: 0 Drilling Pits: 1 Wells: 1 Production Pits: 1 Dehydrator Units: 1 Condensate Tanks: 1 Water Tanks: 1 Separators: 1 Electric Motors: 0 Multi-Well Pits: 0 Gas or Diesel Motors: 0 Cavity Pumps: 0 LACT Unit: 0 Pump Jacks: 0 Pigging Station: 1 Electric Generators: 0 Gas Pipeline: 0 Oil Pipeline: 0 Water Pipeline: 0 Flare: 0 Gas Compressors: 0 VOC Combustor: 0 Oil Tanks: 1 Fuel Tanks: 0 Other:

6. Construction:

Date planned to commence construction: 03/15/2011 Size of disturbed area during construction in acres: 4.50  
 Estimated date that interim reclamation will begin: 09/15/2011 Size of location after interim reclamation in acres: 1.59  
 Estimated post-construction ground elevation: 6820 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: Recycle, amend 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: \_\_\_\_\_  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: 15610, public road: 340, above ground utilit: 15610  
 , railroad: 5280, property line: 1802

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.

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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: 73 - Rentsac channery loam, 5 to 50 percent slopes.pdf

NRCS Map Unit Name: 75 - Rentsac-Picean complex, 2 to 30 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: 04/10/2000

List individual species: Big sagebrush, PJ, Bitterbrush, Broomweed, Slender wheatgrass, Indian ricegrass, Junegrass and Phlox

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): Big sagebrush, PJ, Bitterbrush, Broomweed, Slender wheatgrass, Indian ricegrass, Junegrass and Phlox

**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: 1300, water well: 5550, depth to ground water: 21

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:**

Depth to ground water determined from Water Well Permit # 42300-F, which is the closest water well with depth to groundwater information. This water well lies to the south of the location in Section 34 T1S R99W. The closest water well permit information is confidential which is located to the west of the location in Section 16 T1S R99W. Drilling mud and cuttings will be remediated prior to burial onsite. The reference area is located immediately adjacent to the well pad to the north (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: 01/12/2011 Email: bob@banko1.com

Print Name: Christopher A Noonan Title: Permit Agent

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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: 4/20/2011

**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:**

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.

Reserve/drilling pit (if constructed) must be lined or a closed loop system (which operator has indicated on the Form 2A) must be implemented during drilling.

Production pit (or any other pit constructed to hold/contain fluids) must be lined.

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., 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.

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.

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.

Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

**Attachment Check List**

Att Doc Num	Name
2033618	CORRESPONDENCE
400120820	FORM 2A SUBMITTED
400120935	NRCS MAP UNIT DESC
400123301	ACCESS ROAD MAP
400123302	WELL LOCATION PLAT
400123303	MULTI-WELL PLAN
400123304	CONST. LAYOUT DRAWINGS
400123305	CONST. LAYOUT DRAWINGS
400123306	CONST. LAYOUT DRAWINGS
400123308	TOPO MAP
400124993	HYDROLOGY MAP
400126929	LOCATION DRAWING
400127481	LOCATION PICTURES

Total Attach: 13 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	The expired permit for the Buckhorn Draw Unit 6601B J15 199 (05-103-11604) will be refilled with a name change to BDU 15-10-199. There will only be 1 well on this pad.  added surface owner is committed to a lease and is executer, distance to nearest road changed to 340 feet	2/25/2011 10:11:03 AM
DOW	CDOW has reviewed the lease agreement between the WRFO of BLM and the operator. CDOW affirms that the lease stipulations to be conditions of approval for this location.  In regards to the sensitive wildlife habitat for elk production area, CDOW recommends that there is no need for timing limitation since there is little to no elk utilization in this area during the late spring/summer months. This was confirmed with the Area 6 Terrestrial Biologist Darby Finley and District Wildlife Manager Tom Knowles.  Submitted by: Ed Winters, Land USe Specialist  10 February 2011 @ 11:22	2/10/2011 11:29:11 AM
OGLA	Initiated/Completed OGLA Form 2A review on 02-01-11 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, tank berming, no pit in fill, and cuttings low moisture content COAs from operator on 02-01-11; received clarifications and acknowledgement of COAs from operator on 02-04-10; passed by CDOW on 02-10-11 with BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 02-16-11 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, monitor hillside, tank berming, no pit in fill, and cuttings low moisture content COAs.	2/1/2011 3:54:51 PM

Total: 3 comment(s)

**BMP**

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

Total: 0 comment(s)