

FORM  
2ARev  
04/01State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400174930

## Oil and Gas Location Assessment

☐ New Location☒ Amend Existing Location Location#: 311839

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:

**311839**

Expiration Date:

**10/15/2014**☒ 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: 10112

Name: FOUNDATION ENERGY MANAGEMENT LLC

Address: 14800 LANDMARK BLVD STE #220

City: DALLAS State: TX Zip: 75254

## 3. Contact Information

Name: Lisa Smith

Phone: (303) 8579999

Fax: (303) 4509200

email: lspermitco@aol.com

## 4. Location Identification:

Name: Banta Ridge

Number: 6-18-1-103

County: RIO BLANCO

QuarterQuarter: LOT 4 Section: 18 Township: 1S Range: 103W Meridian: 6 Ground Elevation: 6055

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: 1222 feet FSL, from North or South section line, and 647 feet FWL, from East or West section line.

Latitude: 39.957306 Longitude: -109.005369 PDOP Reading: 1.8 Date of Measurement: 01/27/2011

Instrument Operator's Name: Gary Streeter

## 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="text" value="1"/>	Wells: <input type="text" value="4"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="4"/>	Separators: <input type="text" value="4"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="text" value="4"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="text" value="4"/>	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="text" value="1"/>	Oil Tanks: <input type="text" value="7"/>	Fuel Tanks: <input type="checkbox"/>	
Other: _____				

## 6. Construction:

Date planned to commence construction: 08/02/2011 Size of disturbed area during construction in acres: 2.11  
 Estimated date that interim reclamation will begin: 11/01/2011 Size of location after interim reclamation in acres: 2.00  
 Estimated post-construction ground elevation: 6054 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: BLM Phone: 970-878-3601  
 Address: 220 Market Street Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: Meeker State: CO Zip: 81641-3419 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: 5280, public road: 5280, above ground utilit: 5280  
 , railroad: 5280, property line: 647

## 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: 74: Rentsac-Moyerson-Rock Outcrop Complex 5-65%

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: 04/20/2011

List individual species: This is an existing pad.

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: 1683, water well: 5280, depth to ground water: 100

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 Supply 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:

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

Signed: Date: 06/16/2011 Email: lspermitco@aol.com

Print Name: Lisa Smith Title: President

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: 10/16/2011

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.

### Attachment Check List

Att Doc Num	Name
2089467	MULTI-WELL PLAN
400174930	FORM 2A SUBMITTED
400176068	ACCESS ROAD MAP
400176069	CONST. LAYOUT DRAWINGS
400176070	HYDROLOGY MAP
400176073	LOCATION DRAWING
400176075	LOCATION PICTURES
400176076	NRCS MAP UNIT DESC
400176084	REFERENCE AREA MAP
400176085	REFERENCE AREA PICTURES
400176086	SURFACE AGRMT/SURETY
400177824	WELL LOCATION PLAT
400177825	OTHER

Total Attach: 13 Files

### General Comments

User Group	Comment	Comment Date
Permit	No public comments Comprehensive Final Review status -- Passed	10/13/2011 1:15:29 PM
Permit	Attached multi-well plan	8/29/2011 12:12:12 PM
DOW	This well pad is located on federal surface and minerals are federal. The CPW affirms that the lease stipulations and conditions of approval assigned to this permit by the BLM suffice to address mule deer/wildlife habitat and mitigation concerns.  by Michael Warren on Monday, August 1, 2011 at 11:25 A.M.	8/1/2011 11:40:16 AM
Permit	On Hold Requested multi-well plan from operator agent	7/14/2011 1:46:38 PM
OGLA	Initiated/Completed OGLA Form 2A review on 07-07-11 by Dave Kubeczko; passed by CDOW on (TBD: 08-02-11) with operator agreed to BMPs acceptable; passed OGLA Form 2A review on 08-05-11 by Dave Kubeczko; no COAs.	7/7/2011 1:53:01 PM
Permit	Operator should file Form 4 Sundry Notice to get expressed request of confidential status for each well, once Form 2's are approved and wells have API numbers.	6/23/2011 2:28:13 PM
Permit	See Attachment titled "Other" for Location Drawing with 400' buffer to improvements. NKP	6/23/2011 9:45:31 AM
Permit	Location Drawing doesn't show 400' buffer to improvements. NKP	6/20/2011 3:54:19 PM
Permit	e-mailed operator contact, lisa smith, that she is not listed as agent for operator. need form 1. 6/17/11 bjw	6/17/2011 9:55:39 AM

Total: 9 comment(s)

## BMP

Type

Comment

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Total: 0 comment(s)