

**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:

400175583

Oil and Gas Location Assessment☐ New Location☒ Amend Existing Location Location#: 316324

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:

316324

Expiration Date:

11/12/2014☐ 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 Federal Number: 11-18-1-103

County: RIO BLANCO

QuarterQuarter: LOT 2 Section: 18 Township: 1S Range: 103W Meridian: 6 Ground Elevation: 5859

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: 1383 feet FNL, from North or South section line, and 954 feet FWL, from East or West section line.

Latitude: 39.964667 Longitude: -109.004269 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="3"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="3"/>	Separators: <input type="text" value="3"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="text" value="3"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="text" value="3"/>	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: 08/04/2011 Size of disturbed area during construction in acres: 2.17
Estimated date that interim reclamation will begin: 11/04/2011 Size of location after interim reclamation in acres: 1.75
Estimated post-construction ground elevation: 5858 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: 26716, public road: 7603, above ground utilit: 26716
, railroad: 66528, property line: 3594

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: 53: Moyerson Stony Clay Loam 15-65%
NRCS Map Unit Name: 74: Rentsac-Moyerson-Rock Outcrop Complex 5-65%
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: As noted in the BLM Records.

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: 1900, 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: 06/20/2011 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: 11/13/2011

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
2089468	MULTI-WELL PLAN
400175583	FORM 2A SUBMITTED
400176561	ACCESS ROAD MAP
400176562	CONST. LAYOUT DRAWINGS
400176596	HYDROLOGY MAP
400176597	LOCATION PICTURES
400176600	REFERENCE AREA MAP
400176601	REFERENCE AREA PICTURES
400176603	NRCS MAP UNIT DESC
400176607	NRCS MAP UNIT DESC
400176617	SURFACE PLAN
400179052	LOCATION DRAWING
400182694	NRCS MAP UNIT DESC

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No public or LGD comments Comprehensive Final Review status -- Passed	11/8/2011 9:30:44 AM
Permit	Attached multi well plan	8/30/2011 3:04:57 PM
Permit	Changed distance to 3,594 per Lisa Smith	8/26/2011 5:31:25 PM
DOW	This well pad is located in mule deer critical winter range and is a federal mineral and surface estate. The lease stipulations and conditions of approval assigned to the permit by the BLM suffice to address wildlife habitat mitigation and concerns. Wednesday, August 24, 2011 at 8:50 A.M.	8/24/2011 8:48:36 AM
OGLA	Initiated/Completed OGLA Form 2A review on 07-31-11 by Dave Kubeczko; passed by CDOW on 08-24-11 with operator agreed to BMPs and BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 08-24-11 by Dave Kubeczko; no COAs.	3/1/2011 8:24:49 AM
Permit	Added surface owner is the mineral owner and executer Missing multi-well plan	7/15/2011 12:59:27 PM
Permit	Minerals are Federal, no state bond is required	7/15/2011 12:12:13 PM
Permit	Location ID has been corrected, and Location Drawing with buffer has been uploaded. Financial Assurance information (Plugging Bond #) is missing. NKP	6/27/2011 1:30:42 PM
Permit	The Location ID # on the Consultation & Contact Info tab is for the 12-18-1-103. The given Lat/Long is for the 11-18-1-3. Lat/Long on related forms is consistent with the given Lat/Long. Need a Location Drawing that shows the 400 ft. buffer to improvements. NKP	6/21/2011 10:37:25 AM

Total: 9 comment(s)

BMP

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

Total: 0 comment(s)