

**FORM  
2A**Rev  
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



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Document Number:

2557825

**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:

**418843**

Expiration Date:

**08/19/2013**☐ 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: 10083

Name: EAST RESOURCES MANAGEMENT LLC

Address: 190 THORN HILL ROAD

City: WARRENDALE State: PA Zip: 15086

**3. Contact Information**

Name: BRIAN DOLAN

Phone: (303) 865-5957

Fax: (303) 865-5961

email: BDOLAN@EASTRESOURCESIN C.COM

**4. Location Identification:**

Name: WADDLE CREEK Number: 90450

County: MOFFAT

QuarterQuarter: SWSE Section: 31 Township: 5N Range: 90W Meridian: 6 Ground Elevation: 6700

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: 106 feet, from North or South section line: FSL and 2520 feet, from East or West section line: FEL

Latitude: 40.334420 Longitude: -107.535920 PDOP Reading: 1.3 Date of Measurement: 03/18/2010

Instrument Operator's Name: B. POWERS

**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" value="1"/>	Wells: <input type="text" value="2"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="1"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text" value="2"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text" value="2"/>	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" value="2"/>	Fuel Tanks: <input type="text"/>	

Other: \_\_\_\_\_

## 6. Construction:

Date planned to commence construction: 09/01/2010 Size of disturbed area during construction in acres: 2.00  
Estimated date that interim reclamation will begin: 03/31/2011 Size of location after interim reclamation in acres: 1.00  
Estimated post-construction ground elevation: 6700 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: 03/02/2010  
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 20100124

## 8. Reclamation Financial Assurance:

☒ Well Surety ID: 20040087 ☐ 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: 770, public road: 245, above ground utilit: 151  
, railroad: 5280, property line: 259

## 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 be 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: 197 TORRIORTHENTS-ROCK OUTCROP, SANDSTONE COMPLEX, 25 TO 75 PERCENT SLOPES.

NRCS Map Unit Name: 152 PINRIDGE LOAM, 1 TO 12 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: \_\_\_\_\_

List individual species: PLEASE SEE ATTACHED RANGELAND PRODUCTIVITY AND PLANT COMPOSITION AND MAP UNIT DESCRIPTION.

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): \_\_\_\_\_

### 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: 638, water well: 4937, depth to ground water: 88

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:

THIS LOCATION DOES NOT FALL WITHIN ANY CDP CONDITIONS AND IS EXEMPT FROM RULE 317B AND SECTION 404 PERMIT. THIS WELL WHICH IS THE WFU DURHAM 2-31SE IS ON THE SAME LOCATION AS THE WFU DURHAM 1-31N. PERMIT #6953 FOR THE CLOSEST WATER WELL WITH A STATIC WATER LEVEL. SURFACE DAMAGE ASSURANCE BOND FOR \$2,000 HAS BEEN APPLIED FOR. CONTACT MARTHA RAMOS. THE REFERENCE AREA IS LOCATED ADJACENT TO THE PROPOSED WELL PAD TO THE WEST 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: 06/07/2010 Email: BDOLAN@EASTRESOURCESINC.COM

Print Name: V. BRIAN DOLAN Title: OPERATIONS MGR

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: 8/20/2010

**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.**

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.

**Attachment Check List**

Att Doc Num	Name	Doc Description
1791653	OTHER	LF@2507467 1791653
2033256	CORRESPONDENCE	LF@2506575 2033256
2553958	ACCESS ROAD MAP	LF@2488376 2553958
2553959	ACCESS ROAD MAP	LF@2488377 2553959
2557825	FORM 2A	LF@2488304 2557825
2557827	MULTI-WELL PLAN	LF@2488305 2557827
2557829	HYDROLOGY MAP	LF@2488378 2557829
2557830	LOCATION DRAWING	LF@2488379 2557830
2557831	MULTI-WELL PLAN	LF@2488380 2557831
2557832	NRCS MAP UNIT DESC	LF@2488306 2557832
2557833	CONST. LAYOUT DRAWINGS	LF@2488307 2557833
2557834	PROPOSED BMPs	LF@2488308 2557834
2557835	REFERENCE AREA MAP	LF@2488373 2557835
2557836	REFERENCE AREA MAP	LF@2488374 2557836
2557856	LOCATION PICTURES	LF@2488381 2557856
2557858	ACCESS ROAD MAP	LF@2488375 2557858

Total Attach: 16 Files

**General Comments**

User Group	Comment	Comment Date
Permit	The rig height of 66' was provided. The rig used to drill the subject well must not have a derrick height of greater than 2/3rds of 151 feet or 101 feet.	8/6/2010 9:14:59 AM
Permit	requesting Rig Height (151' f/overhead utility). Clarification of lease hold. 8/3/10 plg.	8/3/2010 4:15:35 PM
DOW	CDOW attended an on-site with the operato, LSFO of BLM and the landowner on 23 June 2010. This location is directly off of MoCo Road 37 and is part of the landowners winter feeding area.  CDOW affirms the stipulations imposed by both the LSFO and the landowner as conditions of approval for the protection of wildlife.  Submitted by: Ed Winters, Land Use Specialist 13 July 2010 @ 15:15	8/3/2010 3:10:44 PM

Total: 3 comment(s)

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