

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: 400223668

Oil and Gas Location Assessment

[X] 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...

Location ID:
Expiration Date:

[X] 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: 10203
Name: BLACK RAVEN ENERGY INC
Address: 1331 17TH STREET - #350
City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Janice Aldstadt
Phone: (303) 308-1330
Fax: (303) 308-1590
email: jaldstadt@blackravenenergy.com

4. Location Identification:

Name: Vieselmeyer State Number: 943-16-24
County: PHILLIPS
Quarter: SESW Section: 16 Township: 9N Range: 43W Meridian: 6 Ground Elevation: 3649

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.

Footage at surface: 600 feet FSL, from North or South section line, and 1700 feet FWL, from East or West section line.
Latitude: 40.750870 Longitude: -102.145090 PDOP Reading: 2.8 Date of Measurement: 08/27/2011
Instrument Operator's Name: Neal McCormick

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

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

## 6. Construction:

Date planned to commence construction: 12/19/2011 Size of disturbed area during construction in acres: 3.00  
Estimated date that interim reclamation will begin: 01/23/2012 Size of location after interim reclamation in acres: 1.00  
Estimated post-construction ground elevation: 3649 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: Evap & Burial

## 7. Surface Owner:

Name: Dale Vieselmeyer Phone: \_\_\_\_\_  
Address: 242 W. Jules Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: Holyoke State: CO Zip: 80734 Date of Rule 306 surface owner consultation: 09/21/2011

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 20110164

## 8. Reclamation Financial Assurance:

Well Surety ID: 20060159  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: 2330, public road: 600, above ground utilit: 600  
, railroad: 15312, property line: 600

## 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: Haxtun sandy loam, 0-3 percent slopes (HxB)  
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: \_\_\_\_\_  
List individual species: \_\_\_\_\_  
\_\_\_\_\_

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: 1518, water well: 798, depth to ground water: 180  
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:

Railroad is approx. 2.9 miles from site. Other than pivot tracks, there are no visible improvements within 400' of site. The nearest water well is approx. 798' from site (RECEIPT: 9054503; PERMIT: 14955-FP; USE: Irrigation). There is a dry, ephemeral stream located approx. 1,518' northeast of site. The location is in a sensitive area due to being within the Northern High Plains Designated Basin. No COA's are needed for this location. A Pump Jack may be necessary to place on facility in the future to help with gas production. It will require either one gas or one electric motor to run the pumping jack unit which will be determined at the time of installation.

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

Signed: \_\_\_\_\_ Date: 11/16/2011 Email: jaldstadt@blackravenenergy.com  
Print Name: Janice Aldstadt Title: Landman

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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

**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.

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**Attachment Check List**

Att Doc Num	Name
400223668	FORM 2A SUBMITTED
400224481	OTHER
400224482	HYDROLOGY MAP
400224483	LOCATION DRAWING
400224484	LOCATION PICTURES
400224485	NRCS MAP UNIT DESC
400224487	ACCESS ROAD MAP

Total Attach: 7 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

**BMP**

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

Total: 0 comment(s)