

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: 400179376

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: 424582 Expiration Date: 08/01/2014

[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: SCHLACHTER Number: 843-31-24 County: PHILLIPS Quarter: SESW Section: 31 Township: 8N Range: 43W Meridian: 6 Ground Elevation: 3674
Footage at surface: 665 feet FSL, from North or South section line, and 2088 feet FWL, from East or West section line.
Latitude: 40.616640 Longitude: -102.198760 PDOP Reading: 2.5 Date of Measurement: 06/09/2011
Instrument Operator's Name: KEVIN 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: _____

6. Construction:

Date planned to commence construction: 07/15/2011 Size of disturbed area during construction in acres: 3.00
Estimated date that interim reclamation will begin: 08/02/2011 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 3674 Will a closed loop system be used for drilling fluids: Yes
Will salt sections be encountered during drilling: Yes No X Is H2S anticipated? Yes No X
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes No X
Mud disposal: Offsite Onsite X Method: Land Farming Land Spreading Disposal Facility
Other: EVAP & BURIAL

7. Surface Owner:

Name: Phone:
Address: Fax:
Address: Email:
City: State: Zip: Date of Rule 306 surface owner consultation: 06/29/2011
Surface Owner: X Fee State Federal Indian
Mineral Owner: X Fee State Federal Indian
The surface owner is: X the mineral owner X 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: X 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: 20060159 Gas Facility Surety ID: Waste Mgmt. Surety ID:

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No X
Distance, in feet, to nearest building: 2232 , public road: 665 , above ground utilit: 2350
, railroad: 14044 , property line: 665

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: RAGO AND KUMA LOAMS (Ra)

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: 2370, water well: 1320, depth to ground water: 167

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:

RAILOAD IS 2.66 +/- MILES AWAY FROM SITE. THERE ARE NO VISIBLE IMPROVEMENTS WITHIN 400 FEET OF SITE. NEAREST WATER WELL IS 1320 +/- FEET FROM SITE (RECEIT: 0056487A;PERMIT: 4979-AD-USE DOMESTIC). THERE IS A CREEK LOCATED LOCATED 2370 FEET NORTH OF THE LOCATION. 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 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: 07/08/2011 Email: jaldstadt@blackravenenergy.com

Print Name: JANICE ALDSTADT Title: LANDMAN

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. Nesline Director of COGCC Date: 8/2/2011

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
2613758	LOCATION PICTURES
2613759	LOCATION PICTURES
400179376	FORM 2A SUBMITTED
400179377	LOCATION PICTURES
400179378	ACCESS ROAD MAP
400179379	OTHER
400179380	HYDROLOGY MAP
400179381	LOCATION DRAWING
400179382	NRCS MAP UNIT DESC

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	attached color Location Pictures; Ready to Pass 8/1/2011.	7/12/2011 10:59:47 AM
Permit	No plugging bond/ well surety id.	7/8/2011 9:31:49 AM

Total: 2 comment(s)

BMP

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

Total: 0 comment(s)