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: 400237046

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 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: **427551**

Expiration Date: **01/30/2015**

☒ 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: STONER Number: 843-4-13

County: PHILLIPS

QuarterQuarter: NWSW Section: 4 Township: 8N Range: 43W Meridian: 6 Ground Elevation: 3684

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: 1639 feet FSL , from North or South section line, and 278 feet FWL , from East or West section line.

Latitude: 40.690660 Longitude: -102.162790 PDOP Reading: 2.1 Date of Measurement: 11/22/2011

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: METER RUN HOUSE

6. Construction:

Date planned to commence construction: 02/03/2012 Size of disturbed area during construction in acres: 3.00

Estimated date that interim reclamation will begin: 03/03/2012 Size of location after interim reclamation in acres: 1.00

Estimated post-construction ground elevation: 3684 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: _____ Phone: _____

Address: _____ Fax: _____

Address: _____ Email: _____

City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 01/05/2012

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: 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: 1822 , public road: 278 , above ground utilit: 248

, railroad: 2109 , property line: 278

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: RAGO AND KUMA LOAM (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: 2055 , water well: 1470 , depth to ground water: 170

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 2109 +/- FEET FROM LOCATION. THERE ARE NO VISIBLE IMPROVEMENTS WITHIN 400 FEET EXCEPT A COUNTY ROAD AND OVERHEAD UTILITY 248 ft. FROM SITE. NEAREST WATER WELL IS 1470 +/- FEET FROM SITE (RECEIPT 3628018, PERMIT-277194, USE- DOMESTIC/STOCK). THERE IS A INTERMITTENT POND 2055 FEET FROM 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. IT MAY BE NECESSARY TO PLACE A A PUMPING UNIT ON THE FACILITY AT SOME POINT IN THE FUTURE TO AID WITH GAS PRODUCTION. THE PUMPING UNIT WILL REQUIRE EITHER ONE GAS OR ONE ELECTRIC MOTOR.

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

Signed: Date: 01/06/2012 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: David S. Neslin **Director of COGCC** Date: 1/31/2012

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
400237046	FORM 2A SUBMITTED
400237071	HYDROLOGY MAP B, AERIAL
400237073	HYDROLOGY MAP
400237075	LOCATION DRAWING
400237076	LOCATION PICTURES
400237077	NRCS MAP UNIT DESC
400237078	ACCESS ROAD MAP

Total Attach: 7 Files

General Comments

User Group	Comment	Comment Date
Permit	No LGD or public comment received; final review completed.	1/31/2012 5:33:49 AM
OGLA	Ready to Pass 1/30/2012	1/11/2012 12:29:27 PM

Total: 2 comment(s)

BMP

Type	Comment

Total: 0 comment(s)