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

DE	ET	OE	ES

Document Number: 400226670

Oil and Gas Location Assessment

☒ New Location ☐ Amend Existing Location Location#: _____

Location ID:

Expiration Date:

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.

☒ 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: STR Number: 844-1-41-L1

County: PHILLIPS

QuarterQuarter: LOT 1 Section: 1 Township: 8N Range: 44W Meridian: 6 Ground Elevation: 3717

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: 1351 feet FNL , from North or South section line, and 430 feet FEL , from East or West section line.

Latitude: 40.701110 Longitude: -102.203660 PDOP Reading: 2.7 Date of Measurement: 11/19/2011

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: 12/24/2011 Size of disturbed area during construction in acres: 3.00

Estimated date that interim reclamation will begin: 01/07/2012 Size of location after interim reclamation in acres: 1.00

Estimated post-construction ground elevation: 3717 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: STR INVESTMENTS Phone:

Address: PO BOX 533 Fax:

Address: Email:

City: CRESTED BUTTE State: CO Zip: 81224-0533 Date of Rule 306 surface owner consultation: 12/21/2011

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

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: 1085 , public road: 430 , above ground utilit: 1422

, railroad: 12513 , property line: 430

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 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: 2391 , water well: 5102 , depth to ground water: 242

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 2.37 +/- MILES FROM SITE. THERE ARE NO VISIBLE IMPROVEMENTS WITHIN 400 FEET OF SITE. NEAREST WATER WELL IS 5102 +/- FEET FROM SITE (RECEIPT - 905192, PERMIT - 146748, USE DOMESTIC/STOCK). THERE IS A DRY INTERMITTENT STREAM 2391 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 NECESSARTY TO PLACE 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: 12/22/2011 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.

Attachment Check List

Att Doc Num	Name
400226670	FORM 2A SUBMITTED
400226671	HYDROLOGY MAP
400226672	LOCATION PICTURES
400226673	LOCATION DRAWING
400226674	NRCS MAP UNIT DESC
400226675	ACCESS ROAD MAP

Total Attach: 6 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

BMP

Type	Comment

Total: 0 comment(s)