

FORM
2A

Rev
08/13

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400648589

Date Received:

09/04/2014

Oil and Gas Location Assessment

☒ New Location ☐ Refile ☐ Amend Existing Location Location#: _____

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location 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. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

439894

Expiration Date:

11/14/2017

☒ This location assessment is included as part of a permit application.

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.

Operator

Operator Number: 10203

Name: BLACK RAVEN ENERGY INC

Address: 165 S UNION BLVD SUITE 410

City: LAKEWOOD State: CO Zip: 80228

Contact Information

Name: TYLER SWANSON

Phone: (303) 308-1330

Fax: (303) 308-1590

email: tswanson@enerjexresources.com

RECLAMATION FINANCIAL ASSURANCE

- ☒ Plugging and Abandonment Bond Surety ID: 20060159 ☐ Gas Facility Surety ID: _____
- ☐ Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: ANDERSON

Number: 946-15-42

County: SEDGWICK

QuarterQuarter: SENE Section: 15 Township: 9N Range: 46W Meridian: 6 Ground Elevation: 3919

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 2361 feet FNL from North or South section line

337 feet FEL from East or West section line

Latitude: 40.757390 Longitude: -102.459660

PDOP Reading: 2.9 Date of Measurement: 06/24/2014

Instrument Operator's Name: NEAL MCCORMICK

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID #

FORM 2A DOC #

Well Site is served by Production Facilities

400623856

FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	1	Oil Tanks		Condensate Tanks		Water Tanks		Buried Produced Water Vaults	
Drilling Pits		Production Pits		Special Purpose Pits		Multi-Well Pits		Temporary Large Volume Above Ground Tanks	
Pump Jacks	1	Separators	1	Injection Pumps		Cavity Pumps			
Gas or Diesel Motors	1	Electric Motors		Electric Generators		Fuel Tanks		Gas Compressors	
Dehydrator Units		Vapor Recovery Unit		VOC Combustor		Flare		LACT Unit	
								Pigging Station	

OTHER FACILITIES

Other Facility Type

Number

METER RUN HOUSE

1

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

Gas flow lines to gathering system will be installed. Water flow lines installed in the same trench to well separator. Lines are 3 inch SDR 11 and will run 642 feet to gathering line. No water tank on site.

CONSTRUCTION

Date planned to commence construction: 11/15/2014 Size of disturbed area during construction in acres: 3.00

Estimated date that interim reclamation will begin: 12/15/2014 Size of location after interim reclamation in acres: 1.00

Estimated post-construction ground elevation: 3919

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

Is H₂S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? No

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE

Drilling Fluids Disposal Method: Recycle/reuse

Cutting Disposal: ONSITE

Cuttings Disposal Method: Cuttings trench

Other Disposal Description:

Recycle/reuse, then eventual commercial disposal.

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: or Document Number:

Centralized E&P Waste Management Facility ID, if applicable:

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: John Anderson

Phone: 970-774-7301

Address: 19539 CR 40

Fax: _____

Address: _____

Email: _____

City: Haxtun State: CO Zip: 80731

Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian

Check all that apply. The Surface Owner: ☒ is the mineral owner

☒ is committed to an oil and Gas Lease

☒ has signed the Oil and Gas Lease

☐ is the applicant

The Mineral Owner beneath this Oil and Gas Location is: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes

The right to construct this Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

Date of Rule 306 surface owner consultation 07/24/2014

CURRENT AND FUTURE LAND USE

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

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

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 2257 Feet
Building Unit: 2257 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 337 Feet
Above Ground Utility: 315 Feet
Railroad: 5280 Feet
Property Line: 305 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: ☐ Buffer Zone
☐ Exception Zone
☐ Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SOIL

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.org/> 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 loamy sand, 0 to 3 percent slopes (HtB)

NRCS Map Unit Name: _____

NRCS Map Unit Name: _____

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): _____

WATER RESOURCES

Is this a sensitive area: ☐ No ☒ Yes

Distance to nearest

downgradient surface water feature: 5280 Feet

water well: 2380 Feet

Estimated depth to ground water at Oil and Gas Location 200 Feet

Basis for depth to groundwater and sensitive area determination:

Colorado Division of Water Resources Well Permit

Is the location in a riparian area: ☒ No ☐ Yes

Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No 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: _____

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☐ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

RULE 502.b VARIANCE REQUEST

- ☐ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

Railroad is more than 5,280 feet from site. There are mobile pivot irrigation towers that pass approximately 378' and 202' northwest of location, with the pivot end pipe approximately 142' northwest of location. Overhead powerlines are approximately 277' east of location. County Road right of way is 367' east of location. Nearest water well is 2,380 feet from site (Receipt:0454458A Permit:223968-- Use: Commercial/Domestic). 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 a gas or electric motor to run the pumping jack unit, which will be determined at the time of installation.

This permit is waiting on a spacing application approval and is on the October, 2014 docket of the Colorado Oil and Gas Conservation Commission.

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

Signed: _____ Date: 09/04/2014 Email: tswanson@enerjexresources.com

Print Name: TYLER SWANSON Title: Land Technician

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: 11/15/2014

Surface Owner Information

Owner Name	Address	Phone	Fax	Email
John Anderson	19539 CR 40 Haxtun, CO 80731	970-774-7301		
Rena Anderson	19539 CR 40 Haxtun, CO 80731	970-774-7301		

2 Surface Owner(s)

Conditions Of Approval

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.

<u>COA Type</u>	<u>Description</u>
	Operator shall submit a sundry with a waste management plan attached. Must detail the exact location of the cuttings trench and detail measures taken to ensure cuttings conform to 910 standards prior to burial.
	Operator shall provide notice to COGCC 48 hours prior to commencing construction of this Oil and Gas Location via Form 42.

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400648589	FORM 2A SUBMITTED
400648972	LOCATION PICTURES
400648982	LOCATION DRAWING
400648989	ACCESS ROAD MAP
400648995	NRCS MAP UNIT DESC
400648999	HYDROLOGY MAP
400649008	SURFACE AGRMT/SURETY

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	11/7/2014 10:38:28 AM
Permit	Operator revised construction date and reclamation date due to the extended time needed due to the October hearing.	11/7/2014 10:36:05 AM
Permit	This permit is waiting on a spacing application approval and is on the October, 2014 docket of the Colorado Oil and Gas Conservation Commission.	10/3/2014 9:33:44 AM
OGLA	No Public Comments. OGLA task passed.	9/26/2014 8:31:48 AM
OGLA	IN PROCESS - Operator indicated water will be sent to the Black Raven's SKOLD RANCH 946-14-21 disposal well. OGLA review complete. Waiting on Public Comment period.	9/18/2014 9:45:03 AM
OGLA	ON HOLD - Called operator and asked since no water tank planned for the location, where will water be piped to?	9/18/2014 8:59:16 AM

Total: 6 comment(s)