

**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:

400556701

Date Received:

03/03/2014

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:

Expiration Date:

☐ 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: 10150

Name: BLACK HILLS PLATEAU PRODUCTION LLC

Address: 1515 WYNKOOP ST STE 500

City: DENVER State: CO Zip: 80202

Contact Information

Name: Jessica Donahue

Phone: (720) 210-1333

Fax: (303) 566-3344

email: Jessica.Donahue@blackhillscorp.com

RECLAMATION FINANCIAL ASSURANCE

- ☒ Plugging and Abandonment Bond Surety ID: 20060007 ☐ Gas Facility Surety ID: _____
- ☐ Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: Debeque Station Number: _____

County: MESA

QuarterQuarter: SESW Section: 29 Township: 8S Range: 97W Meridian: 6 Ground Elevation: 5050

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: 0 feet FSL from North or South section line

2578 feet FWL from East or West section line

Latitude: 39.323770 Longitude: -108.242530

PDOP Reading: 2.3 Date of Measurement: 10/19/2012

Instrument Operator's Name: D. Jenkins, PLS

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 #**

Production Facilities Location serves Well(s)

312518

312741

312381

312490

312687

312627

312515

312667

312514

312616

312617

312496

312407

323859

312642

312638

432260

312629

312619

312621

312525

311743

312668

312486

312446

312544

312564

312742

312605

312526

312570

312417

312457

312656

312677

312676

312577

312630

312625

312653

312427

312481

312516

312669

312635

312568

312419

312433

312743

312623

Production Facilities Location serves Well(s)

312657

312665

312637

312733

312414

312631

334277

312618

312633

312739

312652

312737

312567

312473

312634

334277

312483

312532

312519

312456

311744

312624

312477

312622

312497

312626

312460

312542

312463

432255

429734

312619

312620

312636

312436

312445

312555

312565

312524

312418

312615

312400

312485

312404

Well Site is served by Production Facilities

311760

312632

FACILITIES

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

Wells _____	Oil Tanks _____	Condensate Tanks _____	Water Tanks _____	Buried Produced Water Vaults _____	2
Drilling Pits _____	Production Pits _____	Special Purpose Pits _____	3	Multi-Well Pits _____	Temporary Large Volume Above Ground Tanks _____
Pump Jacks _____	Separators _____	2	Injection Pumps _____	Cavity Pumps _____	
Gas or Diesel Motors _____	Electric Motors _____	4	Electric Generators _____	Fuel Tanks _____	Gas Compressors _____
Dehydrator Units _____	Vapor Recovery Unit _____	VOC Combustor _____	Flare _____	LACT Unit _____	
				Pigging Station _____	1

OTHER FACILITIES

Other Facility Type

Number

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

Water pipelines will be 8" or 10" pressurized pipe that conveys raw and produced water from the facilities to developed gas wells.

CONSTRUCTION

Date planned to commence construction: 06/02/2014 Size of disturbed area during construction in acres: 23.52

Estimated date that interim reclamation will begin: 11/03/2014 Size of location after interim reclamation in acres: 23.52

Estimated post-construction ground elevation: 5050

DRILLING PROGRAM

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

Is H₂S anticipated? _____

Will salt sections be encountered during drilling: _____

Will salt based mud (>15,000 ppm Cl) be used? _____

Will oil based drilling fluids be used? _____

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: _____ Drilling Fluids Disposal Method: _____

Cutting Disposal: _____ Cuttings Disposal Method: _____

Other Disposal Description:

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Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

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

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Red Rock Gathering Co.

Phone: 970-440-1006

Address: 2128 Railroad Ave

Fax: _____

Address: Suite 106

Email: tjensen@summitmidstream.com

City: Rifle State: CO Zip: 81650

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: No

The right to construct this Oil and Gas Location is granted by: Surface Use Agreement

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

Date of Rule 306 surface owner consultation _____

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: 692 Feet

Building Unit: 1052 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 167 Feet

Above Ground Utility: 132 Feet

Railroad: 5280 Feet

Property Line: 48 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: #12-Bunkwater very fine sandy loam

NRCS Map Unit Name: #32-Dominguez clay loam

NRCS Map Unit Name: #78 Youngston loam

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: 06/05/2013

List individual species: No noxious weeds identified during field observation

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: 5970 Feet

water well: 1390 Feet

Estimated depth to ground water at Oil and Gas Location 30 Feet

Basis for depth to groundwater and sensitive area determination:

Soil boring logsl; depth to ground water is >30 feet.

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 N/A

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

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

Signed: _____ Date: 03/03/2014 Email: Jessica.Donahue@blackhillscorp.com

Print Name: Jessica Donahue Title: Regulatory 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: _____

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.

COA Type

Description

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Best Management Practices

No	BMP/COA Type	Description
1	Wildlife	Night lighting shall be of the full-cutoff type and/or timed or otherwise minimized to reduce disruption to wildlife.
2	Wildlife	The proposed location lies within year-round black bear habitat. There is potential for human/bear conflicts with gas exploration employees who are working and/or camping in these areas during development operations. The potential for human/bear conflicts within these project areas will be greatly reduced by placing and utilizing "bear proof" trash containers at worksite/ camping locations during construction activities. Furthermore, workers affiliated with these projects shall be advised not to feed bears, whether intentional or not, since this activity is a violation of Colorado Parks and Wildlife Commission Regulations and is detrimental to wild bears. CPW has information on the design and purchase of "bear proof" trash containers, and will provide this information to anyone who is interested in preventing conflicts with bears during construction activities.
3	Storm Water/Erosion Control	Following the completion of construction activities, newly exposed soils shall be revegetated as soon as possible to prevent erosion and to reduce the likelihood of non-native plants becoming established in the area. Seed mix used for revegetation shall be certified as weed-free and consist of native seeds from plants that are common to the area.
4	Wildlife	To reduce the likelihood of truck - wildlife collisions, proper speed limits (<25 mph) shall be posted and enforced on all service roads.
5	Wildlife	Fencing around the pit shall consist of a minimum of a 7-foot chain-link fence capable of preventing elk, deer and other wildlife from entering the pit; concurrently it shall have a small mesh type of fencing along the bottom of the fence (buried one-foot below grade level and extending a minimum of two-feet above grade) capable of preventing small animals from entering between the gaps (gaps should be no larger than three-inches).
6	Wildlife	The pits shall be constructed with a 4:1 slope escape ramp and/or with chain-link fencing in one corner of the pit to allow entrapped wildlife to escape.
7	Wildlife	The pits shall be adequately protected to ensure that waterfowl and other birds are prevented - excluded - from entering or coming in contact with water in the pits. Black Hills would like to use an innovative product called Hexprotect Cover. This HDPE cover has an AQUA version that self-ballasts and is wind- resistant up to 130 mph. Documentation for this product is included in Attachment C.
8	Wildlife	CPW shall be notified immediately if any birds and/or wildlife are found dead or trapped within or around the pits, netting, or fences.

Total: 8 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400556701	FORM 2A SUBMITTED
400565355	NRCS MAP UNIT DESC
400565359	PROPOSED BMPs
400565366	OTHER
400565369	FACILITY LAYOUT DRAWING
400565375	LOCATION PICTURES
400565377	HYDROLOGY MAP
400565380	ACCESS ROAD MAP
400565382	REFERENCE AREA MAP
400565384	REFERENCE AREA PICTURES
400565398	PROPOSED BMPs
400565400	OTHER
400565407	SENSITIVE AREA MAP
400567188	CONST. LAYOUT DRAWINGS
400576517	SURFACE AGRMT/SURETY

Total Attach: 15 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No plugging bond given, too many NRCS attachments, BMPs need to be separated and inserted in the BMP Tab, Requesting Construction layout drawings be combined into one attachment with 7 pages. The SUA is a signed letter which doesn't identify which "Parcel" to be used. The reference point is the furthest to the SE of the planned facility which may not accurately project the distances to building units.	3/4/2014 9:51:05 AM

Total: 1 comment(s)