

FORM
2

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:

400632906

APPLICATION FOR PERMIT TO:

☒ Drill ☐ Deepen ☐ Re-enter ☐ Recomplete and Operate

TYPE OF WELL OIL ☐ GAS ☒ COALBED ☐ OTHER _____

Refiling ☒

Date Received:

06/25/2014

ZONE TYPE SINGLE ZONE ☒ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐

Sidetrack ☐

Well Name: WhF

Well Number: DHS1C-19 D17998

Name of Operator: BLACK HILLS PLATEAU PRODUCTION LLC

COGCC Operator Number: 10150

Address: 1515 WYNKOOP ST STE 500

City: DENVER State: CO Zip: 80202

Contact 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: _____

WELL LOCATION INFORMATION

QtrQtr: NWNW Sec: 17 Twp: 9S Rng: 98W Meridian: 6

Latitude: 39.277433

Longitude: -108.359089

Footage at Surface: 997 feet FNL/FSL FNL 757 feet FEL/FWL FWL

Field Name: BRONCO FLATS

Field Number: 7563

Ground Elevation: 5774

County: MESA

GPS Data:

Date of Measurement: 03/22/2012 PDOP Reading: 1.9 Instrument Operator's Name: Ted Taggart

If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FNL/FWL Bottom Hole: FNL/FSL FEL/FWL

699 FNL 610 FEL 4 FSL 601 FEL
Sec: 18 Twp: 9S Rng: 98W Sec: 19 Twp: 9S Rng: 98W

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian

The Surface Owner is: ☒ is the mineral owner beneath the location.

(check all that apply)

☐ 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 by this Well: No

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

Surface damage assurance if no agreement is in place: _____

Surface Surety ID: _____

LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

COC 12645 (SHL) T9S R98W Sect. 17: All;
COC 12645A (BHL) T9S R98W Sect. 18: Lots 1-4, E/2W/2, E/2; Sect. 19: Lots 1-4, NENW, NE, SENW, SE; Sect. 20: W/2SW

Total Acres in Described Lease: 1827 Described Mineral Lease is: ☐ Fee ☐ State ☒ Federal ☐ Indian

Federal or State Lease # COC12645

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 4 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 5280 Feet
Building Unit: 5280 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 515 Feet
Above Ground Utility: 5280 Feet
Railroad: 5280 Feet
Property Line: 7643 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- 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: _____

SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 1258 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 699 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): Whittaker Flats Unit Number: COC075609X

SPACING & FORMATIONS COMMENTS

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
MANCOS	MNCS			

DRILLING PROGRAM

Proposed Total Measured Depth: 16537 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1258 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H₂S Drilling Operations Plan)

Will salt sections be encountered during drilling? No

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

Will oil based drilling fluids be used? No

BOP Equipment Type: ☒ Annular Preventor ☒ Double Ram ☐ Rotating Head ☐ None

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: ONSITE Drilling Fluids Disposal Methods: Other

Cuttings Disposal: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

Recycle and bury

Beneficial reuse or land application plan submitted?

Reuse Facility ID: or Document Number:

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	30	20	Line	0	120	319	120	0
SURF	14+3/4	10+3/4	41	0	1000	469	1000	0
1ST	9+7/8	7+5/8	26	0	5000	671	5000	0
2ND	6+3/4	4+1/2	12	0	16537	1023	16537	200

☐ Conductor Casing is NOT planned

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)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318A.a. Exception Location (GWA Windows).
- ☐ Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

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

OTHER LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318.c. Exception Location from Rule or Spacing Order Number _____
- ☐ Rule 603.a.(2) Exception Location (Property Line Setback).

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 certify there have been no changes on land use, lease description.
The pad has been built. Two wells have already been drilled off of the pad last year.
No pit will be used.
There will be no additional surface disturbance.
The location does not require a variance.
The location is not within a wildlife RSO.

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 429734

Is this application being submitted with an Oil and Gas Location Assessment application? No

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

Signed: _____ Print Name: Jessica Donahue

Title: Regulatory Technician Date: 6/25/2014 Email: Jessica.Donahue@blackhillscor

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 8/10/2014

Expiration Date: 08/09/2016

API NUMBER

05 077 10203 00

Conditions Of Approval

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

COA Type

Description

	Open hole resistivity and gamma logs shall be run to describe the stratigraphy of the entire well bore and to adequately verify the setting depth of surface casing and aquifer coverage. On a multi-well pad, these open hole logs are only required on one of the first wells drilled on the pad and the Drilling Completion Report - Form 5 for every well on the pad shall identify which well was logged.
	1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED. SEE ATTACHED NOTICE. 2) PROVIDE CEMENT COVERAGE FROM THE INTERMEDIATE CASING SHOE (7 5/8" 1ST STRING) TO A MINIMUM OF 200' ABOVE TOP OF GAS. VERIFY CEMENT WITH A CEMENT BOND LOG.

Best Management Practices

No BMP/COA Type

Description

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Applicable Policies and Notices to Operators

NW Colorado Notification Policy.

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num

Name

400632906	FORM 2 SUBMITTED
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Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed on this refile. No LGD comments.	3/6/2014 1:14:55 PM
Permit	Operator requested the insertion of refile statements and the removal of attachments.	3/6/2014 1:13:49 PM
Permit	Requested "refile" statements.	8/6/2014 11:10:26 AM
Permit	Form 2A expires 7/26/2015.	8/6/2014 10:50:42 AM
Engineer	<p>Offset well evaluation: Operator did not submit offset well evaluation. Emailed operator. Operator emailed offset well spreadsheet to COGCC on 6/27/14.</p> <p>Offset well USA 1-17JC (API#077-08314) Form 6 NOI has been approved by COGCC. USA 1-17JC is over 1500' from the portion of the wellbore planned for completions and just over 1000' from the surface location. No mitigation required.</p> <p>THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THERE ARE NO WATER WELLS WITHIN 1-MILE OF THE SURFACE LOCATION.</p> <p>Casing tab - changed 2nd string to 1st string and 3rd string to 2nd string.</p> <p>The operator's plans to ensure Top of Cement for the production casing (4 1/2" 2nd string) to be a minimum of 200' above the intermediate shoe and TOC for the intermediate casing (7 5/8" 1 string) to be at least 200' above TOG are acceptable.</p>	6/27/2014 2:31:56 PM
Permit	Passed completeness. Both questions now filled in.	6/26/2014 11:06:12 AM
Permit	<p>Return to draft.</p> <p>1. "The Minerals beneath this O&G location will be developed by this well" is blank</p> <p>2. "Will a closed-loop drilling system be used?" is blank.</p>	6/26/2014 10:55:24 AM

Total: 7 comment(s)