

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:

400823908

#### APPLICATION FOR PERMIT TO:

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

TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_

Refilling ☐

ZONE TYPE SINGLE ZONE ☐ MULTIPLE ZONES ☒ COMMINGLE ZONES ☒

Sidetrack ☐

Date Received:

04/14/2015

Well Name: Shavetail Federal

Well Number: 28-44

Name of Operator: COACHMAN ENERGY OPERATING COMPANY LLC

COGCC Operator Number: 10500

Address: 1125 17TH STREET SUITE 410

City: DENVER

State: CO

Zip: 80202

Contact Name: Neyeska Mut

Phone: (303)296-3535

Fax: (303)296-3888

Email: neyeska@cynosure-energy.com

#### RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: \_\_\_\_\_

#### WELL LOCATION INFORMATION

QtrQtr: NESE Sec: 28 Twp: 1N Rng: 103W Meridian: 6

Latitude: 40.023470

Longitude: -108.953350

Footage at Surface: 1381 feet FNL/FSL FSL 380 feet FEL/FWL FEL

Field Name: WILDCAT

Field Number: 99999

Ground Elevation: 5590.1

County: RIO BLANCO

GPS Data:

Date of Measurement: 02/07/2012 PDOP Reading: 3.0 Instrument Operator's Name: Kyle Tesky

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

Footage at Top of Prod Zone: FNL/FSL FSL 1383 FSL 650 FEL FEL 1383 FSL 650 FEL  
Sec: 28 Twp: 1N Rng: 103W Sec: 28 Twp: 1N Rng: 103W

#### 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: Yes

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.)

BLM Lease COC-65854 is located entirely in T1N, R103W, 6th PM, Rio blanco county, Colorado.

Section 21: S2SW.

Section 28: N2NE, S2N2, and S2.

Section 31: E2NW.

Section 33: N2, N2S2, and Lots 1-4.

Total Acres in Described Lease: 1327 Described Mineral Lease is: ☐ Fee ☐ State ☒ Federal ☐ Indian

Federal or State Lease # COC-65854

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 650 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: 5280 Feet

Above Ground Utility: 5280 Feet

Railroad: 5280 Feet

Property Line: 5280 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: 2543 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 2610 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): Shavetail Unit Unit Number: COC 075382X

## 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.)
CASTLEGATE	CSLGT			
MANCOS B	MNCSB			

## DRILLING PROGRAM

Proposed Total Measured Depth: 4714 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 2543 Feet (Including plugged wells)

Will a closed-loop drilling system be used? ☒ Yes

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H<sub>2</sub>S 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: OFFSITE Drilling Fluids Disposal Methods: Commercial Disposal

Cuttings Disposal: ONSITE Cuttings Disposal Method: Cuttings trench

Other Disposal Description:

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
SURF	12+1/4	8+5/8	24	0	500	245	500	0
1ST	7+7/8	4+1/2	11.6	0	4714	750	4714	300

☒ 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 The Mancos B formation may be cored. The final decision will be made during the drilling operation and may include 115' cut at approximately 4453'.

This application is in a Comprehensive Drilling Plan \_\_\_\_\_ CDP #: \_\_\_\_\_

Location ID: \_\_\_\_\_

Is this application being submitted with an Oil and Gas Location Assessment application? Yes

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

Signed: \_\_\_\_\_ Print Name: Rick Obernolte

Title: Agent Date: 4/14/2015 Email: rickobe1@aol.com

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: 7/16/2015

Expiration Date: 07/15/2017

### API NUMBER

05 103 12274 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

	(1) Operator shall comply with the most current revision of the Northwest Notification Policy. See attached notice.
	(2) Operator shall provide cement coverage from the production casing shoe (4 1/2" first string) to a minimum of 200' above the surface casing shoe to provide isolation of all Mesa Verde group oil, gas, and water-bearing sandstone and coalbed formations that are not otherwise covered by surface casing. Verify production casing cement coverage with a cement bond log.

## Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Drilling/Completion Operations	Operator logging program includes resistivity log from base of surface casing to TD, density-neutron log from 1000' to TD, gamma ray log from surface to TD, sonic (dipole) log from base of surface casing to TD, and formation micro imager log from 2000' to TD. A cement bond log will also be run from surface to probe TD.

Total: 1 comment(s)

### Applicable Policies and Notices to Operators

NW Colorado Notification Policy.

Notice Concerning Operating Requirements for Wildlife Protection.

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400823908	FORM 2 SUBMITTED
400824483	WELL LOCATION PLAT
400824485	DIRECTIONAL DATA
400826845	DRILLING PLAN
400827017	DEVIATED DRILLING PLAN

Total Attach: 5 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Corrected distance to nearest wellbores from 2163' to 2543' With opr approval. Final review complete.	7/16/2015 2:46:29 PM
OGLA	Corrected distance from WELL to PUBLIC ROAD per operator (from 200' to 5280') based on restricted access on the BLM road; corrected distance from WELL to PROPERTY LINE per operator (from 380' to 5280') based on BLM mapped surface on COGCC's GIS Online Map, and not lease boundaries.	7/16/2015 12:53:09 PM
Permit	Form 2A is in draft. Corrected Distance to unit boundary from 5280 to 2610'. Added Shavetail Unit and number to Fed Unit name and number. Corrected distance to nearest wellbore penetrating form 2163' to 1543.	5/7/2015 12:10:19 PM
Engineer	There are no offset wells within 1,500 feet of the proposed wellbore. Offset water well check: There are no permitted water wells within 1 mile of this proposed surface hole location. Emailed operator. Drilling plan states production casing TOC is 500', casing tab lists TOC at 50'. Changed TOC to 300' with operator concurrence.	4/22/2015 3:26:25 PM
Permit	Passed completeness.	4/17/2015 11:54:05 AM
Permit	Returned to draft per operator request.	4/17/2015 11:24:56 AM
Permit	Proposed measured depth (MD) does not match deviated drilling plan. Return to draft.	4/16/2015 12:04:36 PM
Permit	Returned to draft per operator request.	4/14/2015 3:38:35 PM

Total: 8 comment(s)