

**APPLICATION FOR PERMIT TO:**

Drill     Deepen     Re-enter     **Recomplete and Operate**

Date Received:  
07/26/2016

TYPE OF WELL    OIL     GAS     COALBED     OTHER Convert to Injection    Refilling

ZONE TYPE    SINGLE ZONE     MULTIPLE ZONES     COMMINGLE ZONES     Sidetrack

Well Name: FEDERAL    Well Number: 299-26-1

Name of Operator: TEP ROCKY MOUNTAIN LLC    COGCC Operator Number: 96850

Address: PO BOX 370

City: PARACHUTE    State: CO    Zip: 81635

Contact Name: VICKI SCHOEBER    Phone: (970)263-2721    Fax: ( )

Email: vschoeber@terraep.com

**RECLAMATION FINANCIAL ASSURANCE**

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

**WELL LOCATION INFORMATION**

QtrQtr: SWNW    Sec: 26    Twp: 2S    Rng: 99W    Meridian: 6

Latitude: 39.847443    Longitude: -108.476450

Footage at Surface: 2575 feet    FNL/FSL    FNL 1326 feet    FEL/FWL    FWL

Field Name: SAGE BRUSH HILLS II    Field Number: 76140

Ground Elevation: 6816    County: RIO BLANCO

GPS Data:  
Date of Measurement: 01/13/2011    PDOP Reading: 2.7    Instrument Operator's Name: J. KIRKPATRICK

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

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

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_    Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

**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.)

T2S R99W  
SEC. 25: SE/4NE/4, S/2NW/4, NW/4SW/4, S/2S/2, NE/4SE/4  
SEC. 26: NW/4NE/4, S/2NE/4, W/2, SE/4

Total Acres in Described Lease: 960 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # COC60756

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 1293 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: 2258 Feet  
Above Ground Utility: 5280 Feet  
Railroad: 5280 Feet  
Property Line: 3 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 proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 2144 Feet

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

Federal or State Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

## 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.)
OHIO CREEK	OHCRK			
WILLIAMS FORK	WMFK	527-6		

## DRILLING PROGRAM

Proposed Total Measured Depth: 8366 Feet

Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator:

3343 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: [X] Annular Preventor [X] Double Ram [X] 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: Recycle/reuse

Cuttings Disposal: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

Spent drlg fluids are treated with a de-watering unit. Separated mud solids are disposed with the drill cuttings at a well pad location, or at an approved disposal trench. Separated water is re-used for drilling, or disposed at a permitted inj. well.

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: or Document Number:

CASING PROGRAM

Table with 9 columns: Casing Type, Size of Hole, Size of Casing, Wt/Ft, Csg/Liner Top, Setting Depth, Sacks Cmt, Cmt Btm, Cmt Top. Rows include SURF and 1ST casing types.

[ ] 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

TEP Rocky Mountain LLC is requesting injection from the Federal 299-26-1 into the upper Williams Fork and Ohio Creek Formations.

Proposed SWD Conversion Completion Procedure:

1. MIRU service rig
2. Pressure test csg to 4,800 psi (90% burst)
3. POOH with Tbg
4. RIH with perforation gun and the perf UWMFK Injection 1
5. Pump stage 1
6. RIH with perforation gun and perf the UWMFK Injection 2
7. Pump stage 2
8. RIH with perforation gun and perf the UWMFK Injection 3
9. Pump stage 3
10. RIH with perforation gun and perf the UWMFK Injection 4
11. Pump stage 4
12. RIH drill plugs and CO to appx 6275'. POOH w/ drillout BHA.
13. RIH with injection string and packer
14. Set packer at 5025-ft
15. MIT test to 2,500 psi
16. Call State and BLM inspectors to schedule MIT test casing-tubing annulus 2,500 psi
17. Wait on injection permit

Current and proposed wellbore diagrams are attached, and a copy of the approved BLM Notice of Intent Sundry to convert this well to injection.

The Ryan Creek #2 well was used to determine distance to nearest existing or permitted wellbore belonging to another operator.

This application is in a Comprehensive Drilling Plan No CDP #: \_\_\_\_\_

Location ID: 316360

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: VICKI SCHOEBER

Title: Regulatory Specialist Date: 7/26/2016 Email: vschoeber@terraep.com

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: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

**API NUMBER**

05 103 10364 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**

COA Type	Description

## Best Management Practices

**No BMP/COA Type**

**Description**

No BMP/COA Type	Description

## Attachment Check List

**Att Doc Num**

**Name**

401065259	FORM 2 SUBMITTED
401079072	OTHER
401079299	WELL LOCATION PLAT
401084010	OTHER
401084119	WELLBORE DIAGRAM
401084120	WELLBORE DIAGRAM

Total Attach: 6 Files

## General Comments

**User Group**

**Comment**

**Comment Date**

User Group	Comment	Comment Date

Total: 0 comment(s)