

State of Colorado Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

Document Number:

401268213

Date Received:

UNDERGROUND INJECTION FORMATION PERMIT APPLICATION

Per Rule 325, this form shall be submitted with all required attachments.

A Form 31 – Intent shall be submitted and approved prior to completing an injection zone.

A Form 31 – Subsequent shall be submitted following collection of water samples and injectivity test (if performed) and must be approved prior to injection in any new injection facility.

NOTE: Per Rule 324B, an aquifer exemption is required for any injection formation with water quality less than 10,000 mg/L total dissolved solids (TDS). Contact the Commission for further requirements if the TDS as determined by water analysis for the injection zone is less than 10,000 mg/L.

Form 31 Type

☒ Intent☐ Subsequent

UIC Facility ID 0

UIC Facility ID Required for Subsequent
Form 31

UIC FACILITY INFORMATION

Facility Name and Number: WPX SG 922-32D

159960

County: GARFIELD

Facility Location: SENW / 32 / 7S / 96W / 6

Field Name and Number:

GRAND VALLEY

31290

Facility Type: ☐ Enhanced Recovery☒ Disposal☐ Simultaneous Disposal

Single or Multiple Well Facility?

☒ Single☐ Multiple

Proposed Injection Program (Required):

The TEP Rocky Mountain LLC injection program is required for the disposal of produced and flowback waters which are in excess of storage capacity of our Valley operations. In an attempt to minimize truck traffic and shutting in wells, TEP is requesting injection from the SG 922-32D (UIC Facility # 159960) into the Rollins and Williams Fork Formation. TEP will continue to inject into the SG 922-32D from the Iles (Cozzette/Corcoran) formation and comeingle with the Rollins and Williams Fork formations. Permanent injection equipment will be installed at the Smith Gulch Water Recycling Pit Location (COGCC Facility ID 430110). Temporary injection equipment is currently located at this location. All water will be filtered prior to injection. TEP estimates the frac gradient to be approximately 0.650 to 0.70 psi/ft. Injection rates at the wellhead are anticipated to range from a minimum of 2,000 bbls/day at 1,250 psi up to 5,000 bbls/day at 1,250 psi. The completion procedure is attached for the Rollins and Williams Fork. TEP does not anticipate recompleting the Cozzette or Corcoran.

OPERATOR INFORMATION

OGCC Operator Number: 96850

Name of Operator: TEP ROCKY MOUNTAIN LLC

Address: PO BOX 370

City: PARACHUTE

State: CO

Zip: 81635

Contact Name and Telephone:

Name: Jeffrey Kirtland

Phone: (970) 263-2736

Fax: ()

Email: jkirtland@terraep.com

INJECTED FLUID TYPE

All injected fluids must be Exempt E&P waste per RCRA Subpart C.

(Check all that apply.)

☒ Produced Water☐ Natural Gas☐ CO2☒ Drilling Fluids☐ Exempt Gas Plant Waste☒ Used Workover Fluids☒ Flowback Fluids☐ Other Fluids (describe):

Commercial Disposal Facility

☐ Yes☐ No

Commercial UIC Bond Surety ID:

Commercial Facility Description: Describe the physical region of the facility, the details of the operations, and the type of fluids to be injected.

PROPOSED INJECTION FORMATIONS

FORMATION (Name): ROLLINS Porosity: 12 %
Formation TDS: 12500 mg/L Frac Gradient: 0.7 psi/ft Permeability: 0 mD
Proposed Stimulation Program: ☐ Acid ☐ Frac Treatment ☐ None

FORMATION (Name): WILLIAMS FORK Porosity: 18 %
Formation TDS: 18309 mg/L Frac Gradient: 0.68 psi/ft Permeability: 3 mD
Proposed Stimulation Program: ☐ Acid ☐ Frac Treatment ☐ None

ANTICIPATED FACILITY OPERATIONS CONDITIONS

Under normal operating conditions, estimated TOTAL fluid injection rates and pressures for this facility:

FOR WATER: Daily Injection Rate Range From 200 to 4000 bbls/day
Surface Injection Pressure Range From 1250 to 1300 psi
FOR GAS: Daily Injection Rate Range From _____ to _____ mcf/day
Surface Injection Pressure Range From _____ to _____ psi

Estimated Initial Injection Date: 1/1/2018

AREA OF REVIEW OIL and GAS WELL EVALUATION SUMMARY

Review all existing wells within 1/2 mile for injection formation isolation.

Area Review Date: 4/27/2017

Total number of Oil & Gas Wells within Area of Review: 9

ABANDONED WELLS (All wells that have been plugged: PA and DA status))

Total within Area of Review	0
Number To Be Re-Plugged	0

ACTIVE WELLS (All wells that have not been plugged: AC, DG, DM, IJ, PR, SU, SI, TA, WO, XX, UN status)

Total within Area of Review	9
Number Requiring Casing Repair	0
Number To Be Plugged	0

Operator's Area of Review Contact Email: ssunnenberg@terraep.com

☐ No Wells within 2,640'

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

Print Name: Jeffrey Kirtland Signed: _____

Title: Regulatory Lead Date: _____

COGCC Approved: _____ Date: _____

Form 31 - Intent Expiration Date: _____

Per Rule 325.o, a 90 day extension of the Expiration Date may be requested via a Sundry Notice, Form 4 submitted prior to Form 31- Intent expiration

Order Number: _____ UIC FACILITY ID: 0

CONDITIONS OF APPROVAL, IF ANY:

COA Type **Description**

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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401302673	CERTIFIED MAIL RECEIPT(S)
401302679	NOTICE TO SURFACE & MINERAL OWNERS
401308267	OFFSET WELL EVALUATION
401308342	MAP OF O&G WELLS IN AREA OF REVIEW
401308344	LIST OF WATER WELLS ¼-MILE
401308345	MAP OF SURFACE OWNERS ¼-MILE
401308346	LIST OF SURFACE OWNERS ¼-MILE
401308356	OIL & GAS WELL PLAT
401308359	SURFACE FACILITY DIAGRAM
401308360	UNIT AREA PLAT
401308515	OTHER
401308962	MAP OF WATER WELLS ¼-MILE
401309637	REMEDIAL CORRECTION PLAN FOR WELLS ¼-MILE
401309640	WELLBORE DIAGRAM-PROPOSED
401309641	WELLBORE DIAGRAM-CURRENT
401309642	OTHER
401309666	SEISMIC EVALUATION

Total Attach: 17 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)