

State of Colorado Oil and Gas Conservation Commission

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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 [X] Intent [] Subsequent UIC Facility ID 0 UIC Facility ID Required for Subsequent Form 31

UIC FACILITY INFORMATION

Facility Name and Number: UNION PACIFIC 113X22 County: RIO BLANCO Facility Location: SWNW / 22 / 2N / 102W / 6 Field Name and Number: RANGELY 72370 Facility Type: [] Enhanced Recovery [X] Disposal [] Simultaneous Disposal Single or Multiple Well Facility? [] Single [X] Multiple

Proposed Injection Program (Required):

RELIEF WELL FOR THE RANGELY WEBER SAND UNIT. THIS WELL WILL INJECT PRODUCED WATER INTO THE NAVAJO FORMATION.

OPERATOR INFORMATION

OGCC Operator Number: 16700 Contact Name and Telephone: Name: EMILY PUGH Address: 6301 DEAUVILLE BLVD Phone: (432) 687-7635 Fax: (970) 675-3800 City: MIDLAND State: TX Zip: 79706 Email: Emily.Pugh@chevron.com

INJECTED FLUID TYPE

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

(Check all that apply.)

- [X] Produced Water [] Natural Gas [] CO2 [] Drilling Fluids [] Exempt Gas Plant Waste [] Used Workover Fluids [] Flowback Fluids

[] Other Fluids (describe):

Empty text box for describing other fluids.

Commercial Disposal Facility [] Yes [X] 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): NAVAJO Porosity: 25 %
Formation TDS: 15600 mg/L Frac Gradient: 0.95 psi/ft Permeability: 50 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 0 to 15000 bbls/day
Surface Injection Pressure Range From 1600 to 1900 psi
FOR GAS: Daily Injection Rate Range From _____ to _____ mcf/day
Surface Injection Pressure Range From _____ to _____ psi

Estimated Initial Injection Date: 3/1/2019

AREA OF REVIEW OIL and GAS WELL EVALUATION SUMMARY

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

Area Review Date: _____

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

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

Total within Area of Review
Number To Be Re-Plugged

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
Number Requiring Casing Repair
Number To Be Plugged

Operator's Area of Review Contact Email: KSchilling@chevron.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: DIANE PETERSON Signed: _____

Title: PERMIT SPECIALIST 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:

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401839613	WELLBORE DIAGRAM-CURRENT
401839614	WELLBORE DIAGRAM-PROPOSED
401839615	OTHER
401856307	LIST OF SURFACE OWNERS ¼-MILE
401856315	MAP OF MINERAL OWNERS ¼-MILE
401856333	NOTICE TO SURFACE & MINERAL OWNERS
401856336	SURFACE USE AGREEMENT FOR SALT WATER DISPOSAL
401856343	CERTIFIED MAIL RECEIPT(S)
401856394	OFFSET WELL EVALUATION
401856437	UNIT AREA PLAT
401856447	MAP OF SURFACE OWNERS ¼-MILE
401856458	SURFACE FACILITY DIAGRAM

Total Attach: 12 Files

General Comments

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

Total: 0 comment(s)