

State of Colorado Oil and Gas Conservation Commission

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FOR OGCC USE ONLY Document Number: 401673788 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 [X] Intent [] Subsequent UIC Facility ID 0 UIC Facility ID Required for Subsequent Form 31

UIC FACILITY INFORMATION

Facility Name and Number: Speaker State 43-36 1 County: KIT CARSON Facility Location: NENE / 36 / 11 / 51 / 6 Field Name and Number: SPEAKER 77825 Facility Type: [] Enhanced Recovery [X] Disposal [] Simultaneous Disposal Single or Multiple Well Facility? [] Single [X] Multiple

Proposed Injection Program (Required):

This well will be used to dispose of produced water from 10 wells in the unit. All of the produced water will be disposed back into the formation from which it came.

OPERATOR INFORMATION

OGCC Operator Number: 17180 Contact Name and Telephone: Name: Sharon Ward Address: 14077 CUTTEN RD Phone: (281) 8911556 Fax: (281) 580-2168 City: HOUSTON State: TX Zip: 77269 Email: sward@cogc.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 [] 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): MORROW Porosity: 15 %
Formation TDS: 106317 mg/L Frac Gradient: 0.72 psi/ft Permeability: 900 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 300 to 3000 bbls/day
Surface Injection Pressure Range From 180 to 2000 psi
FOR GAS: Daily Injection Rate Range From _____ to _____ mcf/day
Surface Injection Pressue Range From _____ to _____ psi

Estimated Initial Injection Date: 8/15/2018

AREA OF REVIEW OIL and GAS WELL EVALUATION SUMMARY

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

Area Review Date: 6/14/2018

Total number of Oil & Gas Wells within Area of Review: 0

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 0
Number Requiring Casing Repair 0
Number To Be Plugged 0

Operator's Area of Review Contact Email: _____

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: Sharon Ward Signed: _____

Title: Permitting Manager 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>	
<u>Attachment Check List</u>		
<u>Att Doc Num</u>	<u>Name</u>	
401673829	OTHER	
401673831	OIL & GAS WELL PLAT	
401673835	WELLBORE DIAGRAM-CURRENT	
401704213	OIL & GAS WELL PLAT	
401704214	STEP RATE/INJECTIVITY TEST DOCUMENTATION	
401705030	LIST OF MINERAL OWNERS ¼-MILE	
401705031	LIST OF SURFACE OWNERS ¼-MILE	
401705045	MAP OF SURFACE OWNERS ¼-MILE	
401705245	LIST OF WATER WELLS ¼-MILE	
401722126	WELLBORE DIAGRAM-PROPOSED	
401722127	ANALYSIS OF INJECTION ZONE WATER	
Total Attach: 11 Files		
<u>General Comments</u>		
<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval
Total: 0 comment(s)		