

State of Colorado
Oil and Gas Conservation Commission1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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Document Number:

400928752

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: Windy Hill 3-17D

County: MORGAN

Facility Location: SENE / 17 / 3N / 55W / 6

Field Name and Number:

UNNAMED

85251

Facility Type: ☐ Enhanced Recovery☒ Disposal☐ Simultaneous Disposal

Single or Multiple Well Facility?

☒ Single☐ Multiple

Proposed Injection Program (Required):

Oil and gas production fluids will be injected into the J Sandstone Formation between 5,139 and 5,300 feet bgs via one Class II UIC well (existing well #3-17D that will be converted to Class II). Under normal operating conditions, estimated fluid injection rates will be 5,000 to 25,000 barrels per day, with a maximum wellhead pressure of 2,700 psi.

OPERATOR INFORMATION

OGCC Operator Number: 10589

Name of Operator: WINDY HILL WATER OPERATIONS LLC

Address: P.O. BOX 18283

City: DENVER

State: CO

Zip: 80218

Contact Name and Telephone:

Name: F. Lee Robinson

Phone: (303) 355-3242

Fax: (303) 377-9798

Email: leelee10049@yahoo.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):

Spent well treatment or stimulation fluids, pigging wastes, and gas plant wastes that are Exempt E&P wastes.

Commercial Disposal Facility

☒ Yes☐ No

Commercial UIC Bond Surety ID:

20150094

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

The proposed facility will be a Commercial Disposal Well Facility that will accept oil and gas production fluids that are generated off-site (likely from Wattenberg Field, DJ Basin) and delivered to the facility. Such fluids may include produced water, drilling fluids, spent well treatment or stimulation fluids, pigging wastes, or gas plant wastes that are Exempt E&P wastes. Fluids will be processed at the Central Water Facility and then disposed of into the J Sandstone Formation via one Class II Dedicated Injection Well at the Satellite Water Disposal Facility.

PROPOSED INJECTION FORMATIONS

FORMATION (Name): J SAND Porosity: 22 %
Formation TDS: 6600 mg/L Frac Gradient: 0.6 psi/ft Permeability: 674 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 5000 to 25000 bbls/day
Surface Injection Pressure Range From 1200 to 2700 psi
FOR GAS: Daily Injection Rate Range From to mcf/day
Surface Injection Pressure Range From to psi

Estimated Initial Injection Date: 8/1/2016

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: 1

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	1
Number Requiring Casing Repair	0
Number To Be Plugged	0

Operator's Area of Review Contact Email: nikki.scheinost@tetrattech.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: Nikki Scheinost Signed: _____

Title: Environmental Scientist 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:

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400930742	OFFSET WELL EVALUATION
400931446	OTHER
400931486	ANALYSIS OF INJECTION WATER
400931489	OTHER
400931495	LIST OF MINERAL OWNERS ¼-MILE
400931509	MAP OF MINERAL OWNERS ¼-MILE
400931512	OTHER
400931516	LIST OF SURFACE OWNERS ¼-MILE
400931518	MAP OF SURFACE OWNERS ¼-MILE
400931522	MAP OF WATER WELLS ¼-MILE
400931523	NOTICE TO SURFACE & MINERAL OWNERS
400931526	CERTIFIED MAIL RECEIPT(S)
400931527	REMEDIAL CORRECTION PLAN FOR WELLS ¼-MILE
400931529	OTHER
400931531	STEP RATE/INJECTIVITY TEST DOCUMENTATION
400931540	SURFACE FACILITY DIAGRAM
400931541	SURFACE USE AGREEMENT FOR SALT WATER DISPOSAL
400931544	WELLBORE DIAGRAM-CURRENT
400931551	AQUIFER EXEMPTION-COGCC
400931556	OTHER

Total Attach: 20 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)