

State of Colorado
Oil and Gas Conservation Commission1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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FOR OGCC USE ONLY

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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

☒ Intent☐ Subsequent

UIC Facility ID

0

UIC Facility ID Required for Subsequent
Form 31

UIC FACILITY INFORMATION

Facility Name and Number: Judy 1-30 County: JACKSON
Facility Location: SWSW / 30 / 7N / 80W / 6 Field Name and Number: WILDCAT 99999
Facility Type: ☐ Enhanced Recovery ☒ Disposal ☐ Simultaneous Disposal
Single or Multiple Well Facility? ☒ Single ☐ Multiple

Proposed Injection Program (Required):

SandRidge intends to convert this vertical well into a disposal well.

OPERATOR INFORMATION

OGCC Operator Number: 10598 Contact Name and Telephone:
Name of Operator: SANDRIDGE EXPLORATION & PRODUCTION LLC Name: Kimberly Rodell
Address: 123 ROBERT S KERR AVE Phone: (303) 942-0506 Fax: ()
City: OKLAHOMA CITY State: OK Zip: 73102 Email: krodell@upstreampm.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): DAKOTA-LAKOTA Porosity: 13 %
Formation TDS: 3900 mg/L Frac Gradient: 0.69 psi/ft Permeability: 4 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 100 to 3000 bbls/day
Surface Injection Pressure Range From 1500 to 3000 psi
FOR GAS: Daily Injection Rate Range From _____ to _____ mcf/day
Surface Injection Pressue Range From _____ to _____ psi

Estimated Initial Injection Date: 9/15/2016

AREA OF REVIEW OIL and GAS WELL EVALUATION SUMMARY

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

Area Review Date: 7/26/2016

Total number of Oil & Gas Wells within Area of Review: 2

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

Total within Area of Review	<u>0</u>
Number To Be Re-Plugged	<u>0</u>

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	<u>2</u>
Number Requiring Casing Repair	<u>0</u>
Number To Be Plugged	<u>0</u>

Operator's Area of Review Contact Email: Spence Laird slaird@sandridgeenergy.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: Kimberly Rodell Signed: _____

Title: Permit Agent 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	
<u>Attachment Check List</u>		
<u>Att Doc Num</u>	<u>Name</u>	
401084181	OFFSET WELL EVALUATION	
401084205	OTHER	
401084211	SURFACE USE AGREEMENT FOR SALT WATER DISPOSAL	
401084213	NOTICE TO SURFACE & MINERAL OWNERS	
401084217	MAP OF WATER WELLS ¼-MILE	
401084220	LIST OF SURFACE OWNERS ¼-MILE	
401084221	MAP OF SURFACE OWNERS ¼-MILE	
401084226	LIST OF MINERAL OWNERS ¼-MILE	
401084228	MAP OF MINERAL OWNERS ¼-MILE	
401084275	SURFACE FACILITY DIAGRAM	
401084279	WELLBORE DIAGRAM-PROPOSED	
401084280	WELLBORE DIAGRAM-CURRENT	
401085431	OIL & GAS WELL PLAT	
401085435	MAP OF O&G WELLS IN AREA OF REVIEW	
401088039	CERTIFIED MAIL RECEIPT(S)	
Total Attach: 15 Files		
<u>General Comments</u>		
<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Total: 0 comment(s)		