

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

Document Number:

401602089

Date Received:

04/17/2018

INJECTION WELL PERMIT APPLICATION

Submit a completed Form 33 with or after approval obtained on Form 31 (Underground Injection Formation Permit Application) or you must have a previously approved injection Well Permit.

1. Operator may not commence injection into this well until this form is approved.
2. Each individual injection well must be approved by this form.

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

A Form 33 – Intent shall be submitted and approved prior to completing an injection zone.

A Form 33 – Subsequent shall be submitted following completion of the well and must be approved prior to injection.

NOTE: Injection for Enhanced Recovery requires the field to be unitized according to the 400 Series Rules. Injection for Disposal into a producing field requires unitization of the formation in the field.

Form 33 Type ☒ Intent ☐ Subsequent

OPERATOR INFORMATION

OGCC Operator Number: 10373

Name of Operator: NGL WATER SOLUTIONS DJ LLC

Address: 3773 CHERRY CRK NORTH DR #1000

City: DENVER State: CO Zip: 80209

Contact Name and Telephone:

Name: PAUL GOTTLÖB

Phone: (720) 420-5747 Fax: ()

Email: paul.gottlob@iptenergyservices.com

WELL INFORMATION

Well Name and Number: SOUTH WELD SWD 1 API No: 05-123-47682-00

Field Name and Number: WATTENBERG 90750 County: WELD

QtrQtr: SWNE Sec: 30 Twp: 1N Range: 66W Meridian: 6

UIC FACILITY INFORMATION

UIC Facility ID: 160021 (as assigned on an approved Form 31)

Facility Name: SOUTH WELD SWD Facility Number: 1

WELLBORE INFORMATION

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
CONDUCTOR	26	16	42	0	80	160	60	0	
SURF	14+3/4	10+3/4	40.5	0	1164	388	1164	0	
1ST	9+7/8	7+5/8	29.7	0	9202	192	9202	7871	
1ST LINER	6+5/8	5+1/2	17	9150	11193				
			Stage Tool		7871	965	7871	0	

Plug Back Total Depth: _____ Tubing Depth: 9100 Packer Depth: 9100

List below all Plugs, Bridge Plugs, Stage Cementing or Squeeze Work performed on this wellbore:

A DV Tool will be set @ 7,871' and cemented with 795 sx lead & 170 sx tail, TOTAL of 965 sx.
EOT & Packer Planned at 9,100', PBR & TOL Planned at 9,150', with NO External Casing Packers.Describe below any changes to the wellbore which will be made upon conversion
(includes but not limited to changes of tubing and packer setting depths, any additional squeeze work for aquifer protection or casing leaks, setting of bridge plugs to isolate non-injection formations).

WELLBORE COMPLETIONS

Formation Name	Gross Completed Interval from Top	Gross Completed Interval from Bottom	Completion Type
ADMIRE	9900	9934	Open Hole
AMAZON	9634	9684	Open Hole

COUNCIL GROVE	9684	9900	Open Hole
FOUNTAIN	10307	11193	Open Hole
LOWER SATANKA	9332	9582	Open Hole
LYONS	9202	9332	Open Hole
MISSOURI	10127	10307	Open Hole
VIRGIL	9934	10127	Open Hole
WOLFCAMP	9582	9634	Open Hole

Operator Comments:

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

Print Name: PAUL GOTTLÖB

Signed: _____ Title: Regulatory & Engin. Tech. Date: 4/17/2018 1:03:23 PM

OGCC Approved:  Title: _____ Date: 8/29/2018 4:52:11 PM

MAX. SURFACE INJECTION PRESSURE: _____ If Disposal Well, MAX. INJECTION VOL. LIMIT: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	1.Injection is not authorized until approval of Subsequent Forms 31 and 33. 2.Retrieve water sample(s) from injection zone(s) before stimulating formation. Samples must be analyzed for Total Dissolved Solids at a minimum. 3.PRIOR TO PERFORMING OPERATIONS: Approval of Form 4 is required for acid and fracturing jobs. (New as of 4/13/2016). 4.PRIOR TO PERFORMING OPERATIONS: Operator is required to contact COGCC to discuss Step Rate Test or Injectivity Test criteria for Maximum Surface Injection Pressure determination. Prior approval of Form 4 is required for step rate and injectivity tests. 5.For ALL NEW DRILL UNDERGROUND INJECTION WELLS a suite of open-hole Resistivity/Gamma Ray and Density/Neutron logs IS REQUIRED from Surface Casing shoe to TD. A PDF, TIFF, or PDS visual image and a LAS or DLIS file version of each log is required. 6.For all new and converted Underground Injection Control wells a Cement Bond Log (CBL) is required on the cased portions of the hole from the bottom of the casing to the top of the next shallower casing string for all casing strings other than the Surface Casing. Only a PDF, TIFF, or PDS visual image is required. 7.Operator must provide all tops of formations encountered from surface to TD on the Form 5 when submitted. 8.An MIT with tubing set in final configuration for injection is required for approval of SUBSEQUENT Forms 31 and 33.
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Attachment Check List

Att Doc Num

Name

401602089	FORM 33-INTENT-SUBMITTED
401604361	WELLBORE DIAGRAM-PROPOSED

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

Engineer	Maximum Surface Injection Pressure and Maximum Injection Volume to be determined via Subsequent Form 31/33 submittals	08/29/2018
Engineer	Casing/Cementing tab was completed using Form 2 #401574842 design.	08/29/2018
UIC	With permission of operator changed number of cement sacks for Conductor from 400 to 160.	05/23/2018

Total: 3 comment(s)