

State of Colorado
Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

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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.

- Operator may not commence injection into this well until this form is approved.
- 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: <u>10373</u> | Contact Name and Telephone: |
| Name of Operator: <u>NGL WATER SOLUTIONS DJ LLC</u> | Name: <u>PAUL GOTTLÖB</u> |
| Address: <u>3773 CHERRY CRK NORTH DR #1000</u> | Phone: <u>(720) 420-5747</u> Fax: <u>()</u> |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80209</u> | Email: <u>paul.gottlob@iptenergyservices.com</u> |

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

| | |
|--|--|
| | <p>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.</p> |
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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)