

**State of Colorado  
Oil and Gas Conservation Commission**

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Document Number:  
**401096530**

Date Received:

**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>10580</u>	Contact Name and Telephone:
Name of Operator: <u>EXPEDITION WATER SOLUTIONS COLORADO LLC</u>	Name: <u>Jeremiah Demuth</u>
Address: <u>1023 39TH AVENUE SUITE E</u>	Phone: <u>(303) 290-9414</u> Fax: <u>( )</u>
City: <u>GREELEY</u> State: <u>CO</u> Zip: <u>80634</u>	Email: <u>jdemuth@petrotek.com</u>

**WELL INFORMATION**

Well Name and Number: EWS    3A    API No: 05-    -    -00

Field Name and Number: WATTENBERG    90750    County: WELD

QtrQtr: SWNE    Sec: 23    Twp: 4N    Range: 66W    Meridian: 6

**UIC FACILITY INFORMATION**

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

Facility Name: EWS    Facility Number: 3A

**WELLBORE INFORMATION**

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	9+5/8	36	0	1000	477	1000	0	VISU
1ST	8+3/4	7	26	6829	11024	573	11024	6829	CBL
1ST LINER	6+1/8	4+1/2	11.6	10975	12786				
	8+3/4	7	Stage Tool	0	6829	911	6829	0	CBL

Plug Back Total Depth: 12786    Tubing Depth: 10990    Packer Depth: 10950

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

There will be a stage tool in the 1st string at 6,829 feet MD. Cement will be placed from 11,024 feet MD to 6,829 feet MD, and 6,289 feet MD to surface.

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	11862	11888	Open Hole
AMAZON	11676	11742	Open Hole
COUNCIL GROVE	11742	11862	Open Hole

DENVER BASIN COMBINED DISPOSAL ZONE	11024	12786	Open Hole
FOUNTAIN	12451	12786	Open Hole
LOWER SATANKA	11226	11541	Open Hole
LYONS	11021	11226	Open Hole
MISSOURI	12299	12451	Open Hole
VIRGIL	11888	12299	Open Hole
WOLFCAMP	11541	11676	Open Hole

**Operator Comments:**

The estimated bottom of the Fountain Formation in this well is 10,647 feet (true vertical depth). The estimated true vertical depth of the EWS 3A well is 10,226 feet. The well will penetrate an estimated 238 feet of Fountain while remaining 421 feet from the base of the Fountain Formation and 445 feet from the top of basement based on the EWS 3 logs.

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

Print Name: Jeremiah Demuth

Signed: \_\_\_\_\_ Title: Engineering Technician Date: \_\_\_\_\_

OGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: 8/19/2016 2:01:40 PM

**MAX. SURFACE INJECTION PRESSURE:** \_\_\_\_\_ **If Disposal Well, MAX. INJECTION VOL. LIMIT:** \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY:**

<b><u>COA Type</u></b>	<b><u>Description</u></b>

**Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
401115362	WELLBORE DIAGRAM-PROPOSED

Total Attach: 1 Files

**General Comments**

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

Total: 0 comment(s)