

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401157660

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.

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: 10580

Name of Operator: EXPEDITION WATER SOLUTIONS COLORADO LLC

Address: 1023 39TH AVENUE SUITE E

City: GREELEY State: CO Zip: 80634

Contact Name and Telephone:

Name: Jeremiah Demuth

Phone: (303) 290-9414 Fax: ()

Email: jdemuth@petrotek.com

WELL INFORMATION

Well Name and Number: EWS 4A API No: 05- - -00

Field Name and Number: WATTENBERG 90750 County: WELD

QtrQtr: SENW Sec: 17 Twp: 2N Range: 63W Meridian: 6

UIC FACILITY INFORMATION

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

Facility Name: EWS Facility Number: 4

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	24	16	42.09	0	100	10	100	0	VISU
SURF	12+1/4	9+5/8	36	0	1000	477	1000	0	VISU
1ST	8+3/4	7	26	0	8750	379	8750	6000	CBL
1ST LINER	6+1/8	4+1/2	11.6	8700	10119	0			
			Stage Tool		6000	799	6000	0	CBL

Plug Back Total Depth: 10119 Tubing Depth: 8715 Packer Depth: 8650

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

External casing packers will be used to isolate formations for testing at the following approximate depths: 8,935, 9,217, 9,276, 9,335, 9,511, 9,583, 9,809, and 9,946. A stage tool will be placed at 6,000 feet.

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	9511	9583	Open Hole
AMAZON	9276	9335	Open Hole

COUNCIL GROVE	9335	9511	Open Hole
DENVER BASIN COMBINED DISPOSAL ZONE	8750	10119	Open Hole
FOUNTAIN	9946	10119	Open Hole
LOWER SATANKA	8935	9217	Open Hole
LYONS	8750	8935	Open Hole
MISSOURI	9809	9946	Open Hole
VIRGIL	9583	9809	Open Hole
WOLFCAMP	9217	9276	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: Jeremiah Demuth

Signed: _____ Title: Engineering Date: _____

OGCC Approved: _____ Title: _____ Date: 11/29/2016 4:53:13 PM

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

CONDITIONS OF APPROVAL, IF ANY:

COA Type **Description**

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Attachment Check List

Att Doc Num **Name**

401159981	WELLBORE DIAGRAM-PROPOSED
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Total Attach: 1 Files

General Comments

User Group **Comment** **Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)