

State of Colorado Oil and Gas Conservation Commission

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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: 10473

Name of Operator: WASTE MANAGEMENT OF COLORADO INC

Address: 5500 SOUTH QUEBEC STREET #250

City: GREENWOOD VILLAGE State: CO Zip: 80111

Contact Name and Telephone:

Name: Jason Chan

Phone: (303) 486-6063 Fax: (844) 840-2316

Email: jchan2@wm.com

WELL INFORMATION

Well Name and Number: BR-IW 1 API No: 05- - -00

Field Name and Number: WATTENBERG 90750 County: WELD

QtrQtr: NWSE Sec: 26 Twp: 3N Range: 64W Meridian: 6

UIC FACILITY INFORMATION

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

Facility Name: Buffalo Ridge Energy Services Facil Facility Number:

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	13+7/8	9+5/8	32.75	0	900	600	900	0	CALC
1ST	8+3/4	7	17	7400	8600	200	8600	7400	CBL
1ST LINER	6+1/8	4+1/2	11.6	8600	10400		10400	8700	CBL
	8+3/4	7	Stage Tool	0	7400	1100	8600	0	CBL

Plug Back Total Depth: 10400 Tubing Depth: 8514 Packer Depth: 8514

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

This well has not yet been drilled.

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).

Lyons formation will be perforated at 8614-8726 at bottom of Lyons formation. Blank pipe will cover the Lower Satanka. A slotted liner will be hung at top of Wolfcamp at 9010'. Packers will be set at 8514', 8450', and 9010'.

WELLBORE COMPLETIONS

Formation Name	Gross Completed Interval from Top	Gross Completed Interval from Bottom	Completion Type
ADMIRE	9200	9260	Perforated
AMAZON	9021	9028	Perforated

ATOKA	9534	9600	Perforated
COUNCIL GROVE	9028	9200	Perforated
DES MOINES	9459	9534	Perforated
FOUNTAIN	9600	10400	Perforated
LYONS	8614	8726	Perforated
MISSOURI	9366	9459	Perforated
VIRGIL	9260	9366	Perforated
WOLFCAMP	9010	9021	Perforated

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: Denise M. Onyskiw, P.E.

Signed: _____ Title: Engineer Date: _____

OGCC Approved: _____ Title: _____ Date: 8/28/2016 9:22:24 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

401163931	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)