

State of Colorado  
Oil and Gas Conservation Commission1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109

FOR OGCC USE ONLY

Document Number:

2494577

Date Received:

03/12/2015

## 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: 96155	Contact Name and Telephone:
Name of Operator: WHITING OIL & GAS CORPORATION	Name: CHARLES OHLSON
Address: 1700 BROADWAY STE 2300	Phone: (303) 390-4905 Fax: (303) 390-4039
City: DENVER State: CO Zip: 80290	Email: charles.ohlson@whiting.com

## WELL INFORMATION

Well Name and Number: HORSETAIL 19N-1924M-R API No: 05-123-40630-00  
 Field Name and Number: WILDCAT 99999 County: WELD  
 QtrQtr: SWSE Sec: 19 Twp: 10N Range: 57W Meridian: 6

## UIC FACILITY INFORMATION

UIC Facility ID: 159979 (as assigned on an approved Form 31)  
 Facility Name: HORSETAIL Facility Number: 19N-1924M-R  
 SWD

## 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	0	109	40	109	0	VISU
SURF	13+1/2	9.625	36	0	1597	660	1597	0	VISU
1ST	8+3/4	7	29	0	8322	154	8322	6256	CBL
	8+3/4	7	Stage Tool	0	6256	420	6256	660	CBL

Plug Back Total Depth: 8348 Tubing Depth: 7000 Packer Depth: 7000

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

Original application: 1. RBP at 6,990 ft. 2. Two stage cmt. from surface - 6,256 and 6,256 - 8,321.  
 Update 6/22/2015 application: Same as above.

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).

Original application: 1. Remove RBP. 2. Set PKR and 3 1/2" tbg at 7,010 ft.  
 Update 6/22/2015 application: 1. Remove RBP. 2. Set PKR and 3 1/2" tbg at 7,000 ft.

## WELLBORE COMPLETIONS

Formation Name	Gross Completed Interval from Top	Gross Completed Interval from Bottom	Completion Type
AMAZON	7860	7915	Perforated
BLAINE	7455	7465	Perforated

ENTRADA	7060	7065	Perforated
LOWER SATANKA	7535	7610	Perforated
LYKINS	7065	7080	Perforated
LYONS	7465	7520	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: CHARLES OHLSON

Signed: \_\_\_\_\_ Title: SR Ops Engineer Date: 3/9/2015 12:00:00 AM

OGCC Approved:  Title: \_\_\_\_\_ Date: 12/4/2015 8:28:38 AM

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

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

	Upon initial injection submit Form 5A for Denver Basin Combined Disposal Zone = DJINJ to update well and formation status for Scout Card. Submit Form 4-Sundry Notice within 30 days of initial injection to report initial injection date.
	Form 7 reporting to be done using Denver Basin Combined Disposal Zone = DJINJ.

**Attachment Check List**

**Att Doc Num**

**Name**

2494577	FORM 33 SUBMITTED
2494579	WELLBORE DIAGRAM
400943152	WELLBORE DIAGRAM-CURRENT

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

UIC	Note that COAs for this form are different from those on the Form 31 Document # 2494575.	12/4/2015 8:17:34 AM
UIC	"Permian" on the original submitted Form 33 was not identified in the well so it is not included in the injection zones.	11/25/2015 4:43:23 PM
UIC	Original filing submitted March 9, 2015, received March 12, 2015. Filing was updated-submitted June 17, 2015, received June 22, 2015.	11/25/2015 9:37:45 AM

Total: 3 comment(s)