

**FORM
33**
Rev 07/15

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

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



FOR OGCC USE ONLY

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2493727

Date Received:
11/18/2014

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

WELL INFORMATION

Well Name and Number: Wildhorse 16-13L API No: 05-123-37374-00
 Field Name and Number: WILDCAT 99999 County: WELD
 QtrQtr: NWSW Sec: 16 Twp: 9N Range: 59W Meridian: 6

UIC FACILITY INFORMATION

UIC Facility ID: 159962 (as assigned on an approved Form 31)
 Facility Name: _____ 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
CONDUCTOR	24	16	65	0	80		80	0	CALC
SURF	13+1/2	9+5/8	36	0	1608	742	1608	0	VISU
1ST	8+3/4	5+1/2	17	0	10047	1375	10047	0	CBL

Plug Back Total Depth: 8510 Tubing Depth: 7462 Packer Depth: 7462

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

CIBP @ 8510' w/3 sx on top, CIBP @ 9050' (above Missourian) w/3 sx on top, CIBP @ 9860' (above Mississippian) w/1.5 sx on top, and CIBP @ 9990' (above PreCambrian) w/2 sx on top.
 Stage cementing on production (=First String) casing. 1st Stage: 6801.7 ft-10,047 ft. 2nd Stage: Surface - 6,801 ft.

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).

PKR 7,500 ft. to be pulled, injection PKR and 3-1/2" TBG to be run and set at 7,500 ft. (=Proposed; Actually set at 7462 ft.)

WELLBORE COMPLETIONS

Formation Name	Gross Completed Interval from Top	Gross Completed Interval from Bottom	Completion Type
ENTRADA	7538	7604	Perforated
LYONS	8140	8233	Perforated

Operator Comments:

[Empty box for 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 OPERATION ENG. Date: 11/14/2014 12:00:00 AM

OGCC Approved: Matthew Lee Title: _____ Date: 10/1/2015 3:44:21 PM

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

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description
	Form 7 reporting to be done using Denver Basing Combined Disposal Zone = DJINJ.

Attachment Check List

Att Doc Num	Name
1772960	WELLBORE DIAGRAM-PROPOSED
1772961	WELLBORE DIAGRAM-FINAL
2092689	WELLBORE DIAGRAM-CURRENT
2493727	FORM 33 SUBMITTED

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
UIC	Submit Form 5A upon initial injection to report initial injection date and update well and formation status for Scout Card.	10/1/2015 3:38:57 PM
UIC	Bridge plug at 8510 ft cemented with 3 sx is effective PBTD. See Form 5A Doc # 400743110, submitted 6/17/2015. Tubing diameter and depth, and packer depth, taken from Form 21 MIT Doc # 400839263, submitted 5/18/2015.	9/25/2015 8:51:45 AM

Total: 2 comment(s)