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FORM 33 Rev 6/99

State of Colorado
Oil and Gas Conservation Commission

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

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COGCC

INJECTION WELL PERMIT APPLICATION

Submit a completed Form 33 with or after approval obtained on Form 31 (Underground Injection 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.

Well Name and Number: Young 14-1 **API No:** 05-121-10682

UIC Facility No: ~~265516~~ 159464 **(as assigned on an approved Form 31)**

Project Name: Christianson SWD **Operator Name:** Edward Mike Davis, LLC

Field Name and Number: Spotted Dog 77905 **County:** Washington

QtrQtr: SWSW **Sec:** 1 **Twp:** 3S **Range:** 50W **Meridian:** 6

Complete the Attachment Checklist

	Oper	OGCC
Current Wellbore Diagram	✓	
Proposed Wellbore Diagram	✓	

CURRENT WELLBORE INFORMATION

	SIZE	DEPTH	NO. SACKS	CEMENT TOP	Cement Top Determined By: CBL	CIRCULATED	CALCULATED
Surface Casing	8-5/8"	304'	220	Surface	☐	☑	☐
Intermediate Casing (if any)					☐	☐	☐
Production Casing	5-1/2"	~~4129'~~ 4092	225	~~3400'~~ 2900	☑	☐	☐

Plug Back Total Depth: 4092' **Tubing Depth:** ~~3815'~~ 3787 **Packer Depth:** 3787

J-Sand **Formation Gross Perforation Interval:** 3826' **to** 3836'

from 5/12/2014 MIT # 1522089

_____ **Formation Gross Perforation Interval:** _____ **to** _____

_____ **Formation Open Hole Interval (if any):** _____ **to** _____

List below all Plugs, Bridge Plugs, Stage Cementing or Squeeze Work performed on this wellbore: (if more space needed, continue on reverse side of this form.)

1.
2.
3.
4.

Describe below any changes to the wellbore which will be made upon conversion. (This 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.)

1. Perforate J-Sand 3826'-3836' and acidize
2. Set Injection Packer at 3787'
3. Test annulus to 400 psi
4. Establish injection into perfs 3826'-3836'

Comments:

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

Print Name: Clayton Doke

Signed: _____ **Title:** Senior Engineer **Date:** 1/10/2014

OGCC Approved: _____ **Title:** UIC-Lead **Date:** 5/15/2014

MAX. SURFACE INJECTION PRESSURE: 1213 **If Disposal Well, MAX. INJECTION VOL. LIMIT:** 2,339,867

CONDITIONS OF APPROVAL, IF ANY: