



SCANNED



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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JUN 16 2014

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: Skold Ranch 946-14-21 API No: 05-115-06095
 UIC Facility No: _____ (as assigned on an approved Form 31)
 Project Name: East Marks Butte SWD Operator Name: Black Raven Energy, Inc.
 Field Name and Number: Crist 13575 County: Sedgwick
 QtrQtr: NENW Sec: 14 Twp: 9N Range: 46W Meridian: 6

Complete the Attachment Checklist

	Oper	OGCC
Current Wellbore Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proposed Wellbore Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Invalid Facility No.
whited out

CURRENT WELLBORE INFORMATION

	SIZE	DEPTH	NO. SACKS	CEMENT TOP	Cement Top Determined By:		
					CBL	CIRCULATED	CALCULATED
Surface Casing	7"	498	110	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Intermediate Casing (if any)					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Production Casing	4 1/2"	3867	158	3070	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Plug Back Total Depth: 3824 Tubing Depth: 3650 - planned Packer Depth: 3650 - planned
 D Sand Formation Gross Perforation Interval: 3658 to 3674
 J Sand Formation Gross Perforation Interval: 3734 to 3824
 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. Plan to perf the D & J Sands, swab formation water for water analysis (permit purposes), acidize the injection zones.
2. Plan run tubing and to set an injection packer and begin injection test, pending approval of injection permits.

- 3.
- 4.

Comments:

This well was drilled to a TD in the Skull Creek and cased through the potential injection zones. The well has been shut-in waiting on approval for water disposal. Black Raven Energy's nearby Niobrara gas wells will produce a small amount of water which will be injected into this SWD well.

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

Print Name: David Kunovic

Signed: [Signature] Title: VP Exploration Date: 6/12/14

OGCC Approved: _____ Title: _____ Date: _____

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

CONDITIONS OF APPROVAL, IF ANY: