

State of Colorado
Oil and Gas Conservation Commission

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



DE	ET	OE	ES
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SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 96155 Contact Name Mark Keyes
 Name of Operator: WHITING OIL & GAS CORPORATION Phone: (970) 407-3007
 Address: 1700 BROADWAY STE 2300 Fax: ()
 City: DENVER State: CO Zip: 80290 Email: mark.keyes@whiting.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 40777 00 OGCC Facility ID Number: 440313
 Well/Facility Name: Razor Well/Facility Number: 21 SWD 1
 Location QtrQtr: NWSE Section: 21 Township: 10N Range: 58W Meridian: 6
 County: WELD Field Name: WILDCAT
 Federal, Indian or State Lease Number: _____

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

GROUND WATER SAMPLING

Uses of Ground Water Sampling Section

Request an Exception to Ground Water Sampling Requirements in Greater Wattenberg Area Rule 318A.e(4) or in Statewide Rule 609.c. Request a Previously Sampled Water Source in the COGIS database be used to meet sampling requirements as described in Rule 609.d.(3).

NOTE: If this Sundry Notice is being submitted to request a Ground Water Sampling Exception it cannot be used for any other purpose except requesting the use of a Previously Sampled Water Source in the COGIS database.

- Request an Exception to Ground Water Sampling Requirements per Greater Wattenberg Area Rule 318A.e(4): There are no Available Water Sources located within the governmental quarter section or within a previously unsampled governmental quarter section within a 1/2-mile radius of this proposed Oil and Gas Well, Multi-Well Site, or Dedicated Injection Well.
- Request an Exception to Ground Water Sampling Requirements per Statewide Rule 609.c.
 - 2 Number of Water Sources located within one-half (1/2) mile of a proposed Oil and Gas Well, Multi-Well Site, or Dedicated Injection Well.
 - 3 Number of Water Source Exceptions requested per Rule 609.c.
 - 1 Number of Water Sources determined to be unsuitable. **The condition of these Water Sources MUST be documented in the comments below or in an attachment.**
 - 0 Number of Water Sources suitable for testing whose owners refused to grant access despite an operator's reasonable good faith efforts to obtain consent to conduct sampling. **The reasonable good faith efforts used to obtain access from the owners of these Water Sources MUST be documented in the comments below or in an attachment.**
- Request a Previously Sampled Water Source in the COGIS database be used to meet sampling requirements as described in Rule 609.d(3)

Pre_Drill Type of Sample Substitution Request

Enter Sample ID Number from COGIS Maps for each Previous Water Sample:

Sample ID	Facility ID	Sample Date	Sample Purpose
535206	752924	10/23/2013	609Pre

COMMENTS

This form applies to the Razor 21 SWD 1 disposal well (05-123-40777). There are two permitted water resources within 1/2 mile of the Razor 21 SWD 1 well.

AGW is requesting a Previously Sampled Water Source in the COGIS database be used to meet sampling requirements as described in Rule 609.d(3).

Ground Water Well Permit #292483, Sample Date: October 23, 2013, COGCC Sample ID# 535206, COGCC Facility ID# 752924. In accordance with Rule 609 d.3.(A), "In lieu of conducting the ... second subsequent sampling event required pursuant to subsection d. (2), an Operator may rely on water sampling analytical results obtained from an Available Water Source within the sampling area provided: The previous water sample was obtained within the 18 months preceding the initial sampling event required pursuant to subsection d.(1)" The water sample from COGCC Facility ID# 752924 was collected within 18 preceding the drilling of the Razor 21 SWD 1 well.

AGW was prepared to sample a stock well permitted to Nelson Ranches, Inc (DWR Permit #11399). AGW staff met Mr. Gene Nelson at his house, went over the access agreement, and he then accompanied AGW to his ground water well to be sampled. Mr. Nelson attempted to turn on the electric to the well, but upon further inspection, realized that utility work that had recently been completed neglected to reconnect his power so the well was inoperable; no sample was collected. This well has been determined to be unsuitable for sampling at this time.

AGW is requesting an exception to ground water sampling requirements per statewide Rule 609.c. There are no additional water sources located within one-half (1/2) mile of the proposed oil and gas wells.

There are three water source exceptions requested per Rule 609.c.

The COGCC GIS Online interactive map was utilized to research the wells.

Please see the attached diagram.

Operator Comments:

This form applies to the Razor 21 SWD 1 disposal well (05-123-40777). There are two permitted water resources within 1/2 mile of the Razor 21 SWD 1 well.
AGW is requesting a Previously Sampled Water Source in the COGIS database be used to meet sampling requirements as described in Rule 609.d(3).
Ground Water Well Permit #292483, Sample Date: October 23, 2013, COGCC Sample ID# 535206, COGCC Facility ID# 752924. In accordance with Rule 609 d.3.(A), "In lieu of conducting the ... second subsequent sampling event required pursuant to subsection d. (2), an Operator may rely on water sampling analytical results obtained from an Available Water Source within the sampling area provided: The previous water sample was obtained within the 18 months preceding the initial sampling event required pursuant to subsection d.(1)" The water sample from COGCC Facility ID# 752924 was collected within 18 preceding the drilling of the Razor 21 SWD 1 well.
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AGW is requesting an exception to ground water sampling requirements per statewide Rule 609.c. There are no additional water sources located within one-half (1/2) mile of the proposed oil and gas wells.
There are three water source exceptions requested per Rule 609.c.
The COGCC GIS Online interactive map was utilized to research the wells.
Please see the attached diagram.

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

Signed: _____ Print Name: Mark Keyes
Title: Env. Coord. Supervisor Email: mark.keyes@whiting.com Date: 2/9/2015

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: KOEPSSELL, ARTHUR Date: 2/10/2015

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental Data	A review of data on the COGCC website indicates that there are no potentially available water sources, other than those addressed by the operator, within the governmental quarter section of the proposed oil and gas well or within any un-sampled governmental ¼ section within a ½ mile radius of the proposed oil and gas well(s).	2/10/2015 8:31:26 AM

Total: 1 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400788496	FORM 4 SUBMITTED
400788532	REFERENCE AREA MAP

Total Attach: 2 Files