



**COLORADO**  
Oil & Gas Conservation  
Commission

Department of Natural Resources

1120 Lincoln Street, Suite 801  
Denver, CO 80203

December 21, 2015

HAND DELIVERED

Mr. Robert Feit  
32059 CR 47  
Greeley, CO 80631

RE: Sand Creek Monitoring Well Investigation

Dear Mr. Feit,

As you know, Noble Energy, Inc. and Colorado Water Watch installed a ground water monitoring well ("Sand Creek MW") on your property located in the southeast quarter, southeast quarter, Section 23, Township 6 North, Range 65 West near the intersection of Weld County Roads 47 and 66. On December 9, 2015, Colorado Water Watch informed the Colorado Oil and Gas Conservation Commission (COGCC) that the initial water samples collected from the Sand Creek MW contained methane, ethane and propane gases. As a result, COGCC and the Colorado Water Watch collected additional water samples from the monitoring well on December 11, 2015.

Laboratory results of the water samples collected from the Sand Creek MW on December 11 show methane, ethane, propane, butanes, pentanes and hexanes in the water, which indicates a thermogenic origin for the gases. In addition, a stable isotope analysis confirms that the gases are thermogenic in origin. The initial laboratory results are attached to this letter.

Because the analytical data indicate a thermogenic methane impact to the aquifer, COGCC will be investigating the impact. COGCC's investigation will focus on identifying and stopping the source of thermogenic gas, determining whether the methane is migrating, and determining whether the methane threatens to impact domestic water wells in the area. Specific actions may include: engineering review of oil and gas well records; physical testing of oil and gas wells; sampling production gas from oil and gas wells in the area; repairing or plugging oil and gas wells, if necessary; continued monitoring of the Sand Creek MW; and sampling other water wells, including domestic water wells, in the area. COGCC will open a project file and all information collected during the investigation will be available to you and the general public. COGCC will supply you with copies of all laboratory data for samples collected from any water wells on your property.

P 303.894.2100 F 303.894.2109 [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

Commissioners: Thomas L. Compton - Chairman, Richard Alward, John H. Benton, DeAnn Craig,  
James W. Hawkins, Tommy Holton, Andrew L. Spielman, Mike King, Dr. Larry Wolk  
John W. Hickenlooper, Governor | Mike King, Executive Director, DNR | Matthew J. Lepore, Director



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If you have any questions regarding COGCC's investigation into this matter please contact me at 970-461-2970, or Greg Deranleau, COGCC's Environmental Manager, at 303-894-2100, ext. 5153.

Sincerely,



Richard R. Allison, P.G.  
Environmental Protection Specialist, Northeast Colorado

c: Ken Carlson, CWW  
Curtis Rueter, Noble Energy, Inc.  
Greg Deranleau, COGCC Environmental Manager  
Matthew J. Lepore, COGCC Director

Attachments: ESC Lab Sciences, Analytical Report  
Dolan Integration Group, Stable Isotope Analytical Report