



March 20, 2014

Mr. Brandon Danforth  
Environmental Specialist  
WPX Energy Rocky Mountain LLC  
1058 County Road 215  
Parachute, Colorado 81635

**RE: Status Report: Baseline Water Quality Sampling – DOE 2-W-27 Drill Pad**

Dear Mr. Danforth,

Western Water & Land, Inc. (WWL) completed a hydrologic water source evaluation for the WPX Energy Rocky Mountain LLC (WPX) DOE 2-W-27 Drill Pad in accordance with COGCC Rule 609. Drill Pad DOE 2-W-27 is located in SE1/4, NE1/4, Section 27, Township 6 S, Range 95 W, 6<sup>th</sup> P.M. This status report addresses field revisions and the sampling location status as relevant to the original executed Baseline Water Quality Evaluation dated May 8, 2013.

The original evaluation considered all water sources as defined in Rule 609 within a 0.5-mile radius of the referenced drill pad. Water sources located within a 0.5-mile radius of the DOE 2-W-27 Drill Pad are shown in Figure 1. Please see the original Baseline Water Quality Evaluation (May 8, 2013) for complete details on how the evaluation was conducted.

**Water Source Identification**

Water Sources as defined in Rule 609 include Colorado Division of Water Resources (DWR) registered water wells (water wells with existing valid well permits), permitted or adjudicated springs, and monitoring wells installed for baseline sampling and monitoring under COGCC Rules 318A.e(4), 608, or 609. Each Water Source identified within the 0.5-mile radius area is considered to be a potentially Available Water Source unless existing information suggests that the Water Source would not be suitable for the baseline water quality program. The original Baseline Water Quality Evaluation identified one potentially Available Water Source located within 0.5 miles of the DOE 2-W-27 Drill Pad (see Figure 1). Well permits with the status “Permit issued; Completion status unknown” were not initially included as potentially Available Water Sources. However, because DWR databases are not always up to date, or may have errors, WWL has since revised this approach and includes permits with this status as potentially Available Water Sources.

The identified potentially Available Water Source is summarized as follows:

- Monitoring Well Permit No.130138: permit held by Mobil Mining Co.; property owned by Bureau of Land Management (BLM)

### Preferred Water Sources

In accordance with Rule 609, all potentially Available Water Sources within a 0.5-mile radius of the drill pad are to be identified and up to a maximum of four sources must be included in the baseline and subsequent monitoring program. Each potentially Available Water Source identified was evaluated based on WWL's hydrologic knowledge of the region, general hydrologic rationale, and in accordance with the guidelines specified in Rule 609 to identify the preferred sources for the baseline program. Since only one potentially Available Water Source was identified it is considered to be a preferred Water Source. The preferred potentially Available Water Source is as follows:

- Monitoring Well Permit No.130138

Preferred Water Sources are incorporated into the baseline water quality monitoring program provided the structures exist, and the structure owner, or land owner if the structure owner is not known, grants approval to sample the source, and inspection of the structure confirms that a representative sample can be obtained from the structure.

### Access Request Results

All attempts requesting permission to sample potentially Available Water Sources from the well permit holders and from the property owners are recorded in the Correspondence Log below. Access request letters, certified mailing receipts, mailings that were returned to sender, mailed responses, and email correspondence are included in Attachment A.

No access was granted to sample the Preferred Water Sources and the Preferred Water Sources were the only water sources identified within the 0.5 mile radius of Drill Pad DOE 2-W-27.

Correspondence Log: DOE 2-W-27				
Contact Attempt Date	Contact Name	Contact Method	Responsible Person	Results
1/22/2014	Mobil Alternative Energy, Inc	Certified Mail: Access Request Letter	NWS	Returned to Sender

### Field Results

No baseline water quality sampling was conducted for Drill Pad DOE 2-W-27 because access was not granted to the identified Potential Available Water Sources.

Each identified potentially Available Water Source and its monitoring status is as follows:

- Monitoring Well Permit No.130138: permit held by Mobil Mining Co.; property owned by Bureau of Land Management (BLM)
  - Access was not granted to sample this Water Source.

If you have any questions or concerns, please contact me at (970) 242-0170.

Mr. Brandon Danforth

March 20, 2014

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Sincerely,

A handwritten signature in black ink, appearing to read "Bruce D. Smith". The signature is fluid and cursive, with the first name "Bruce" being more legible than the last name "Smith".

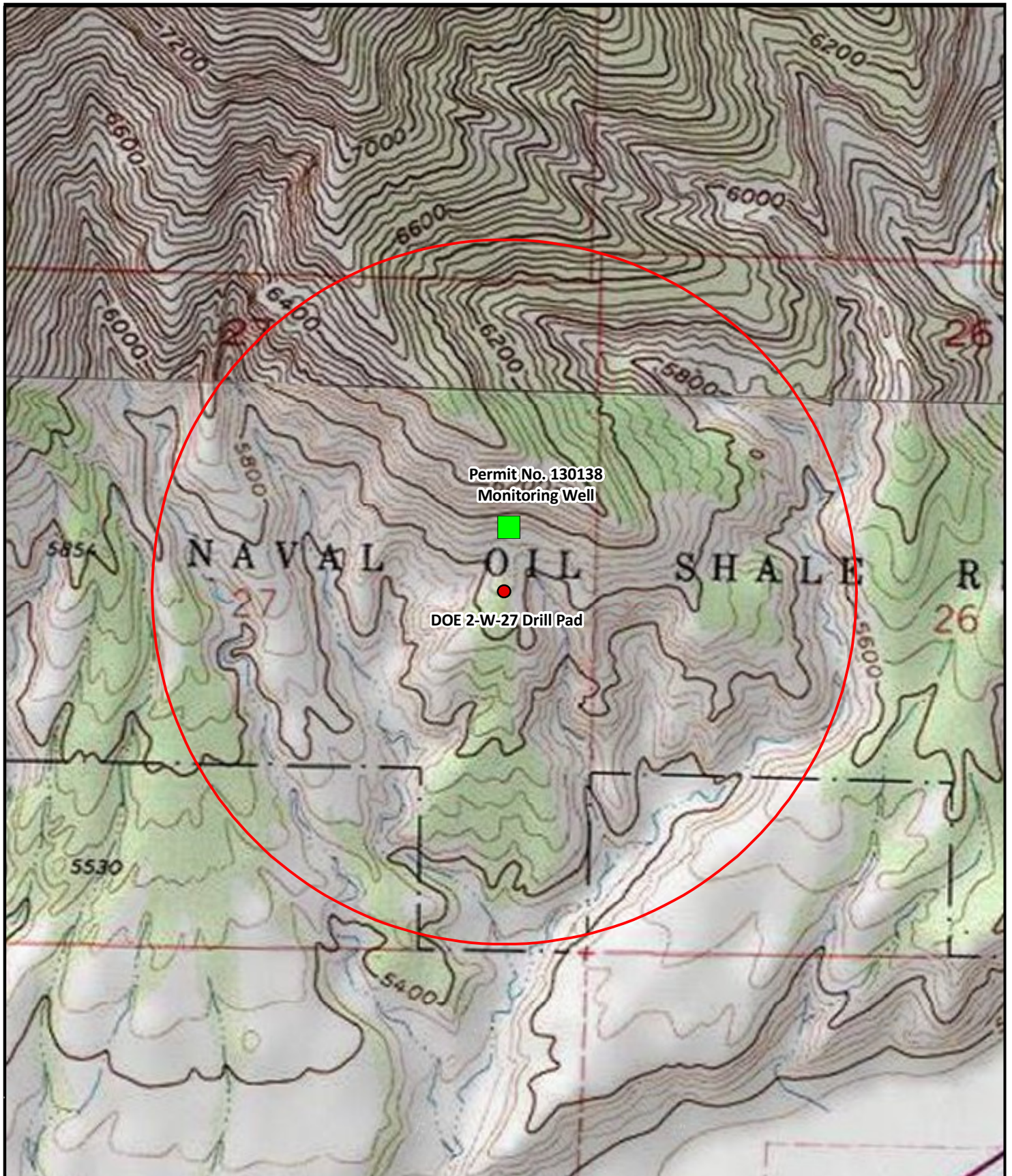
Bruce D. Smith

Principal Hydrogeologist





WESTERN WATER & LAND, INC.

Attachments





#### Legend

-  Decreed Well
-  DOE 2-W-27 Drill Pad
-  Permitted Well
-  0.5-Mile Radius Evaluation Area



Feet  
1,000      500      0      1,000

Basemap Source: USGS Topo, NGS (2007), and Esri ArcGIS Online

**Figure 1: DOE 2-W-27 Drill Pad Location Map**  
**0.5-Mile Radius Water Source Evaluation**  
**SE1/4, NE1/4, S27, T6S, R95W, 6PM**

WPX Energy Rocky Mtn. LLC  
 Garfield County, Colorado



Western Water & Land, Inc.  
 Applications in Earth Science



**Attachment A**

**Access Request Documentation**



January 22, 2014

Mobil Alternative Energy, Inc  
PO Box 17772  
Denver, CO 80217

RE: **Baseline Groundwater Monitoring Program**

To whom it may concern:

Under Colorado Oil and Gas Conservation Commission (COGCC) Rule 609, all oil and gas operators are required to conduct baseline groundwater sampling and monitoring within one-half mile of a well pad containing new production well(s) or injection well(s). The rule was promulgated to gather baseline water quality data prior to oil and gas development occurring within a particular area and to gather additional water quality data after drilling and completion operations.

WPX Energy Rocky Mountain, LLC (WPX) is planning on constructing Drill Pad DOE 2-W-27 or a new well located in the SE1/4, NE1/4, Section 27, Township 6S, Range 95W, 6th P.M. Our research of state databases indicates that you may own property and/or hold one or more state permits or water right decrees for wells or springs located on property within 0.5 miles of the well pad. These identified wells and/or springs are listed below:

***Water Well Permit No. 130138***

Latitude/Longitude (decimal degrees): 39.497174, -107.977772

These structures may qualify for baseline sampling and monitoring under Rule 609. If you do not have a well or spring on your property, or if you choose not to have your well or spring sampled for baseline water quality under Rule 609, please indicate so in the signature section at the end of this letter.

If you are willing to include your well or spring in the Baseline Groundwater Sampling and Monitoring Program, please complete the attached questionnaire prepared by WPX to evaluate the groundwater source(s). The questionnaire is intended to assist WPX in the assessment of the best potential baseline groundwater monitoring sites. Up to four groundwater sampling sites will be included in the baseline sampling and monitoring program within the one-half mile radius of the well pad. Sampling of these groundwater sites will occur three times; once within 12 months prior to drilling the first well on the pad, once between 6 and 12 months after completion of the last well on the pad, and once between 60 and 72 months after completion of the last well on the pad. Final water quality results of each sample will be provided to the well or spring owner and to COGCC.

Sampling sites may be registered water wells or permitted or adjudicated springs. Final selection of sampling sites may be partially dependent on the results of the attached questionnaire. Completing this questionnaire does not guarantee that your well or spring will be selected for the baseline sampling and monitoring program, and completion of the form is not required for consideration of your well or spring for the program. Completed questionnaires will be confidential except for information that is required to be reported to the state.

If you agree to have your well or spring become a monitoring site for the program, and said well or spring is selected for sampling and monitoring, water quality data results will be provided to you and to COGCC within 3 months of sample collection. Please note that COGCC will make the results public by posting the results on the agency's public database and that by signing below agreeing to have your well sampled, you are also providing WPX permission to provide the data results to COGCC and COGCC's public database.

Please sign and date the attached Acknowledgment form indicating your choice of participation in the program and return using the included pre-addressed envelope. If WPX does not receive this executed letter within 30

days from the date above, WPX will consider that you do not want to participate in the program. Please contact your WPX land representative at 970-285-9377, or myself at 970-263-2792, with any questions you may have. We appreciate your time and cooperation.

Sincerely,

Brandon Danforth  
Environmental Specialist, WPX Energy



### Baseline Groundwater Quality Monitoring Program Acknowledgment

I \_\_\_\_\_(print name), acknowledge that I have been contacted by WPX regarding the possible qualification of my well or spring as a Water Source for baseline groundwater sampling and monitoring under COGCC Rule 609 associated with WPX Drill Pad DOE 2-W-27, located in the SE1/4, NE1/4, Section 27, Township 6S, Range 95W, 6th P.M. If I agree to have my well or spring water sampled for water quality parameters, I understand that the resulting data will be submitted to the COGCC and will be part of a public database. I understand that if my well or spring is selected as an Available Water Source, I will be contacted by WPX representatives to schedule sample collection. I understand that the baseline groundwater program involves three separate sampling events over a period of time.

**I DO / DO NOT** (circle one) want my well or spring to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations.

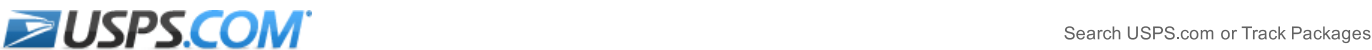
Signature: \_\_\_\_\_ Date:\_\_\_\_\_

Print Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_



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Have questions? We're here to help.

Tracking Number: 70123050000236558962

Expected Delivery Day: Friday, January 24, 2014

Product & Tracking Information

Available Actions

Postal Product:

First-Class Mail®

Features:

Certified Mail™

Return Receipt Electronic

DATE & TIME	STATUS OF ITEM	LOCATION
February 18, 2014 , 1:04 pm	Delivered	GRAND JUNCTION, CO 81506
February 16, 2014 , 4:02 pm	Processed at USPS Origin Sort Facility	DENVER, CO 80266
February 15, 2014 , 7:28 pm	Processed at USPS Origin Sort Facility	DENVER, CO 80266
February 12, 2014 , 1:45 pm	Processed at USPS Origin Sort Facility	DENVER, CO 80266
January 25, 2014 , 5:12 am	Available for Pickup	DENVER, CO 80217
January 25, 2014 , 5:07 am	Arrival at Unit	DENVER, CO 80217
January 23, 2014	Depart USPS Sort Facility	DENVER, CO 80266
January 23, 2014 , 8:21 am	Processed at USPS Origin Sort Facility	DENVER, CO 80266
January 22, 2014 , 5:08 pm	Dispatched to Sort Facility	GRAND JUNCTION, CO 81501
January 22, 2014 , 1:27 pm	Acceptance	GRAND JUNCTION, CO 81501

Track Another Package

What's your tracking (or receipt) number?

Track It



Date: March 4, 2014

Bruce Smith:

The following is in response to your March 4, 2014 request for delivery information on your Certified Mail™ item number 70123050000236558962. The delivery record shows that this item was delivered on February 18, 2014 at 1:04 pm in GRAND JUNCTION, CO 81506. The scanned image of the recipient information is provided below.

Signature of Recipient :

Delivery Section	
Signature	<i>Shirley Kipp</i>
Address	

Address of Recipient :

Address	<i>743 Horizon Ct. SW</i>
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Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,  
United States Postal Service

DOE 2-W-27  
access request

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)		
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>		
OFFICIAL USE		
Postage	\$ 2.52	0501
Certified Fee	\$ 3.10	05
Return Receipt Fee (Endorsement Required)	\$ 1.25	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.87	
Sent To: <i>Mobil Alternative Energy, Inc</i>		
Street, Apt. No. or PO Box No. <i>PO Box 1772</i>		
City, State, ZIP+4 <i>Denver, CO 80217</i>		
PS Form 3800, August 2006 See Reverse for Instructions		

7012 3050 0002 3655 8962

Postmark Here  
JAN 22 2014  
01/22/2014  
81501



Western Water & Land, Inc.  
743 Horizon Ct. - Suites 330  
Grand Junction, CO 81506

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™



7012 3050 0002 3655 8962

RETURN TO SENDER  
MAILING LABEL

☐ Mailed, Letter Not Sent  
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☒ Unpaid  
☐ Address Unknown  
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☐ Insufficient Address

☐ Not Known  
☐ Refused  
☐ No Such Number

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02/15/14

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Denver, CO 80217

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