



Western Water & Land, Inc.

August 30, 2013

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

**RE: RGU 41-8-298 Drill Pad Baseline Water Quality Evaluation**

Dear Mr. Danforth,

Western Water & Land, Inc. (WWL) has completed a hydrologic water source evaluation for the WPX Energy Rocky Mountain LLC (WPX) RGU 41-8-298 Drill Pad in accordance with COGCC Rule 609. Drill Pad RGU 41-8-298 is located in SE1/4, NE1/4, Section 8, Township 2 S, Range 98 W, 6<sup>th</sup> P.M. The evaluation considered all water sources as defined in Rule 609 within a 0.5-mile radius of the referenced drill pad. Water sources located on the basis of section quarters were included in the evaluation if the any portion of the section quarter(s) lies within the 0.5-mile radius area. A preliminary screening of the water sources was completed to identify the sources considered to be potentially available for sampling pending results of the owner questionnaire and field inspections to verify sampling feasibility and the consent of the structure owners. Each potentially available water source was then evaluated to identify the preferred sources for the baseline program. If the resulting number of potentially available sources was four or less, all of the sources were included in the list of preferred sources. If more than four sources were potentially available, the sources were prioritized based on WWL's hydrologic knowledge of the region, general hydrologic rationale, and in accordance with the guidelines specified in Rule 609.

**Water Sources**

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. Water sources located within a 0.5-mile radius of the RGU 41-8-298 Drill Pad are shown in Figure 1. Monitoring Hole permits (MH designation), and expired, canceled, or denied permits of any type are not shown within the 0.5-mile radius area in Figure 1 unless otherwise described in this report. No water sources were identified within the 0.5-mile radius area.

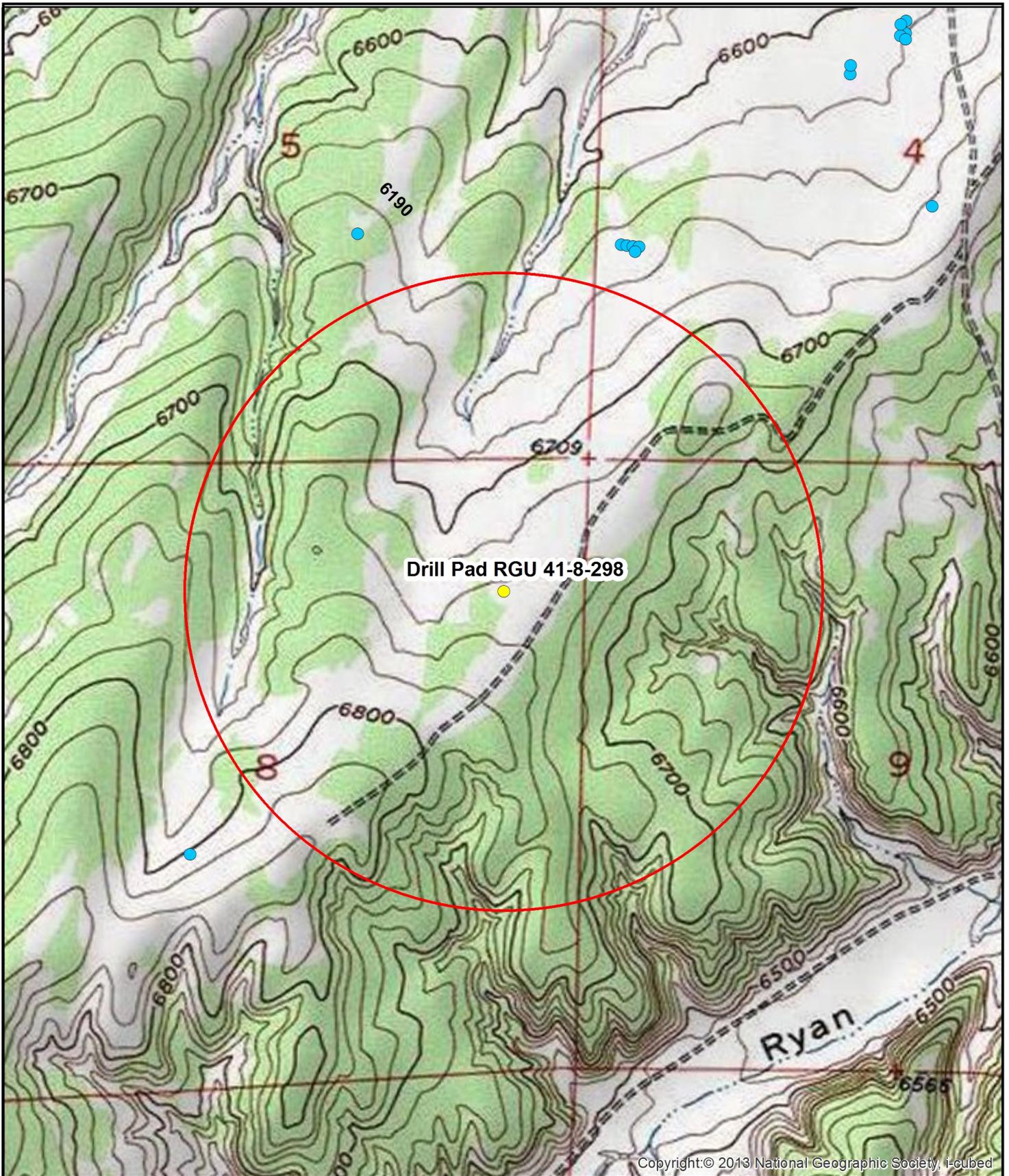
If you have any questions or concerns, please contact me at (970) 242-0170.

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Sincerely,

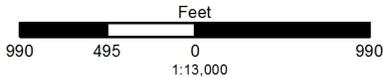
A handwritten signature in black ink, appearing to read "Bruce D. Smith". The signature is written in a cursive style with a large initial "B" and a distinct "D" and "S".

Bruce D. Smith  
Principal Hydrogeologist  
WESTERN WATER & LAND, INC.



**Legend**

- Decree
- Constructed well
- Outside sources
- Drill Pad RGU 41-8-298
- 0.5-Mile Radius Evaluation Area
- No permit or not completed



**Figure 1: Drill Pad Location RGU 41-8-298  
0.5 Mile Radius Water Source Evaluation  
SE1/4, NE1/4, S8, T2S, R98W, 6 PM**

Rio Blanco County, Colorado  
WPX Energy Rocky Mountain LLC

Basemap Source: Esri ArcGIS Online



Western Water & Land, Inc.  
Applications in Earth Science