



December 12, 2017

VIA EMAIL

Cory Sheahen
Surface Landman
SRC Energy, Inc.
5400 West 11th Street, Suite C
Greeley, CO 80634

Mr. Sheahen,

On December 11th, 2017, a Duraroot Environmental Consulting, LLC (Duraroot) Soil Scientist collected soil cores at the SRC Energy, Inc. (SRC) DSU 16 Well Pad (SENW, Section 20, Township 5N, Range 66W, 6th P.M.). The purpose of this effort was to determine if groundwater was present at intermittent depths below the soil surface. The Duraroot Soil Scientist utilized a Giddings probe to collect soil bores at six separate locations in the area designated for well pad construction. These cores were bored down to eighteen feet below ground surface at each location. Soils were observed to be dry at all six locations down to the bottom of the bore. Groundwater levels were not observed in any of the cores collected at either sample location. However, redoximorphic (redox) features were observed at a depth of sixteen feet below ground surface at four of the six locations investigated (Appendix B). These features are indicative of a fluctuating water table. While moist soils were not observed at a depth of sixteen feet during this investigation, the presence of redox features indicates that groundwater can rise to that depth.

It is Duraroot's understanding that any soil excavated to a depth of sixteen feet at this location will likely not encounter groundwater levels.

See Appendix A for photos of site conditions and selected cores collected from the bottom of the bore.

Duraroot appreciates and thanks you for this opportunity. Please let us know if you have any questions regarding the methods or findings of this effort.

Sincerely,

James Hartsig
Senior Soil Scientist
Duraroot Environmental Consulting, LLC
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Appendix A: Investigation Photos

PREPARED For: SRC ENERGY, INC.



Facility: Proposed DSU 16 Well Pad
Legal Description: SENW SEC 20 T5N R66W
Date of Assessment: December 11, 2017

COGCC Location ID#: N/A
County: Weld
Date Prepared: December 12, 2017



Photo 1. The Proposed DSU 16 Well Pad Facing North.
December 11, 2017. Location: 40.38602, -104.80752



Photo 2. The Proposed DSU 16 Well Pad Facing West.
December 11, 2017. Location: 40.38602, -104.80752



Photo 3. Collected Soil Core to Depth of 18', Dry.
December 11, 2017. Location: 40.38580, -104.80817



Photo 4. Sandy Loam Soil Texture to Clay Loam, Dry.
December 11, 2017. Location: 40.38602, -104.80752