



March 7, 2024

Mr. Blair Rollins
 Caerus Operating, LLC
 143 Diamond Avenue
 Parachute, CO 81635

via email

**Subject: C04-1C-4 Flowline Release
 Pathway to Groundwater Investigation
 API# 05-045-15766
 CECMC Facility ID: 311638
 CECMC Release ID: 485888
 Garfield County, Colorado**

The C04 696 pad (Site) is located in the North Parachute Range unit of Caerus’ Piceance operations area at an elevation of 5,825 feet above mean sea level (ft-amsl). The United States Department of Agriculture (USDA) National Resources Conservation Service (NRCS) records soil at the Site as Nihill channery loam, 6 to 25 percent slopes. The United States Geological Survey (USGS) reports bedrock at the Site as the Douglas Creek Member of the Green River Formation, comprised mainly of brown and gray sandstone and siltstone, green shale, and brown oolitic limestone.

The nearest surface water feature is Parachute Creek, approximately 650 feet west of the Site at an elevation of 5,733 ft-amsl*. Construction information and static water levels for the eight (8) nearest groundwater wells actively permitted with the Colorado Division of Water Resources (DWR) are summarized in **Table A** below:

DWR Permit	Date Constructed	Distance (mi)	Direction	Elevation (ft-amsl)*	StaticWL (ft-bgs)	StaticWL (ft-amsl)	StaticWL Relative to POR (ft)
25480-F	1982-02-09	0.94	N	5789.0	12.00	5777.00	-48.00
123304	1981-12-13	0.94	N	5786.0	12.00	5774.00	-51.00
123302	1980-12-31	0.60	N	5763.0	11.00	5752.00	-73.00
123303	1980-12-31	0.60	N	5763.0	11.00	5752.00	-73.00
25481-F	1981-12-07	0.60	N	5768.0	6.30	5761.70	-63.30
275085	2007-09-12	1.65	SSW	5635.0	17.00	5618.00	-207.00
144406	1986-07-10	2.42	SSW	5585.0	14.00	5571.00	-254.00
157659	1980-10-11	2.56	SSW	5574.0	16.00	5558.00	-267.00

*Table A - Summary of well construction and groundwater levels. *Elevation data from Google Earth.*

All of the wells listed above are located along Parachute Creek. Extrapolating from the static water levels listed in these wells, the groundwater elevation at Parachute Creek west of the Site is approximately 5,720 ft-amsl, more than 100 feet below the release location.

Based on local geology and well construction information presented above, there is no clear direct pathway to groundwater at the Site. Entrada requests that release cleanup soil samples be evaluated against CECMC Table 915-1 Residential Soil Screening Level concentrations.

We appreciate the opportunity to assist Caerus Oil and Gas, LLC. Please contact us at (970) 270-2986 if you have any questions.

Sincerely,

ENTRADA CONSULTING GROUP



Christopher Mace
Senior Geologist



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