











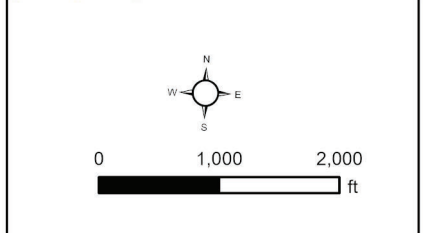


I certify that I am a Professional Geologist, having met the educational requirements and professional work experience required by C.R.S. § 23-41-208(b). I have reviewed information pertaining to this Oil and Gas location and the surrounding area, and have identified the following Geologic Hazards: **Soils with high corrosiveness for steel.**

 S. Reed Johnson
Senior Project Geologist
Entrada Consulting Group

GEOLOGIC HAZARDS EVALUATED	
 Avalanche Areas (None)	 Mines (None)
 Landslide Deposits/hazards (None)	 Radioactive Mineral Deposits (None)
 Rockfall Hazards (None)	 Corrosive Soils (1)
 Debris flow/ mudflow hazards (None)	 Seismic Events (None)
 Unstable slopes (None)	 Faults (None)
 Subsidence/Collapsible Soils (None)	

LEGEND	
 Access Road	 Well Pad
 One Mile Buffer	 Intermittent Streams
 Perennial Creeks/Rivers	 100-Year Floodplain (COGCC, None)
 Wetland	 Lake/Pond




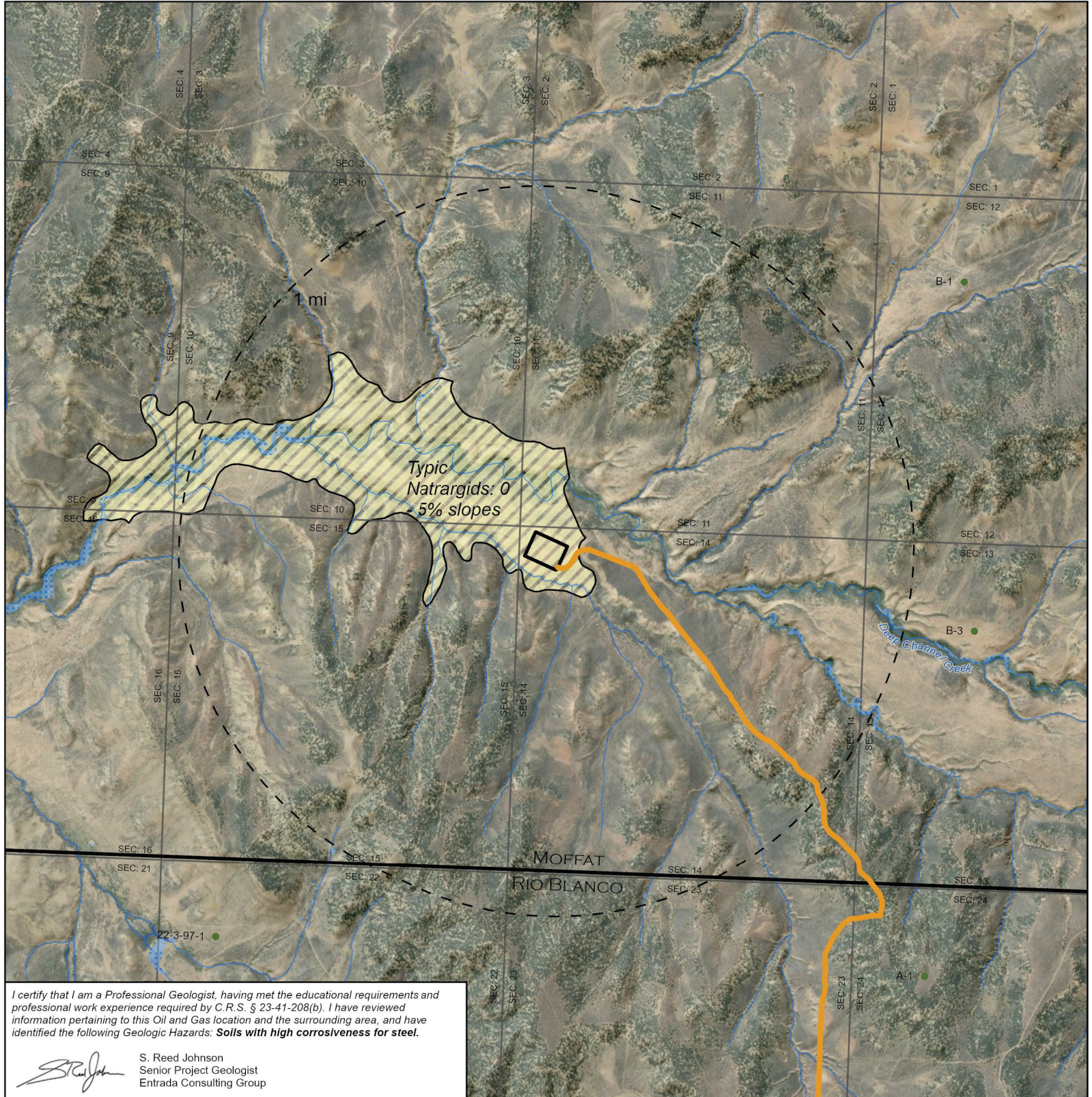
Anschutz Exploration Company
555 17th Street, Suite 2400,
Denver, CO 80202



Figure 1

**Coyote Federal Pad
Geologic Hazard Map**
NWNW, Section 14, T3N R97W, 6th P.M.
Moffat County, Colorado

 330 Grand Avenue, Unit C Grand Junction, CO 81501 970-549-1015	
Survey Date:	
Date Drawn:	12/14/2022
Drawn By:	Nathan Baier
Scale:	1 inch = 1,600 ft



I certify that I am a Professional Geologist, having met the educational requirements and professional work experience required by C.R.S. § 23-41-208(b). I have reviewed information pertaining to this Oil and Gas location and the surrounding area, and have identified the following Geologic Hazards: **Soils with high corrosiveness for steel.**

S. Reed Johnson
S. Reed Johnson
Senior Project Geologist
Entrada Consulting Group

GEOLOGIC HAZARDS EVALUATED		LEGEND	
Avalanche Areas (None)	Mines (None)	Access Road	 0 1,000 2,000 ft
Landslide Deposits/hazards (None)	Radioactive Mineral Deposits (None)	Well Pad	
Rockfall Hazards (None)	Corrosive Soils (1)	One Mile Buffer	
Debris flow/ mudflow hazards (None)	Seismic Events (None)	Intermittent Streams	
Unstable slopes (None)	Faults (None)	Perennial Creeks/Rivers	
Subsidence/Collapsible Soils (None)		100-Year Floodplain (COGCC, None)	
		Wetland	
		Lake/Pond	

Anschutz Exploration Company 555 17th Street, Suite 2400, Denver, CO 80202 	Coyote Federal Pad Geologic Hazard Map - Scaled to Include Soil Extents NWNW, Section 14, T3N R97W, 6th P.M. Moffat County, Colorado	 330 Grand Avenue, Unit C Grand Junction, CO 81501 970-549-1015
Figure 2	Survey Date:	
	Date Drawn:	12/14/2022
	Drawn By:	Nathan Baier
	Scale:	1 inch = 2,000 ft



Coyote Federal Geological Hazards Map and Plan References:

Hail, Jr., W.J., 1973, Geologic Map of the Smizer Gulch Quadrangle, Rio Blanco and Moffat Counties, Colorado, 1 map sheet.

Nelson-Moore, J.L., Bishop C.D., and Hornbaker, A.L., 2005, Colorado Geologic Survey, Bulletin 40, *Radioactive Mineral Occurrences of Colorado*, 1054 p.

Pipiringos, G.N., and Rosenlund, G.C., 1977, Preliminary Geologic Map of the Indian Valley Quadrangle, Rio Blanco and Moffat Counties, Colorado, 1 map sheet.

White, J. L., and Greenman, C., 2008, *EG-14 Collapsible Soils in Colorado*, Colorado Geological Survey, Department of Natural Resources, 108p, 1 map sheet

Online References:

American Geosciences Institute/Colorado Division of Reclamation Mining and Safety. Interactive Map of Mines in Colorado.

<https://www.americangeosciences.org/critical-issues/maps/interactive-map-mines-colorado>

American Institute for Avalanche Research and Education

<https://avtraining.org/>

Colorado Abandoned Mine Land Map

<https://erams.com/aml/>

Colorado Department of Public Health and Environment – Radon

<https://cdphe.colorado.gov/understanding-radon>

COGCC Online Interactive Map

https://cogccmap.state.co.us/cogcc_gis_online/

Colorado Geological Survey Statewide Landslide Inventory Map ON-006-01

<https://cologeosurvey.maps.arcgis.com/apps/webappviewer/index.html?id=9dd73db7fbc34139abe51599396e2648>

Radioactive Mineral Occurrence in Colorado

<https://cologeosurvey.maps.arcgis.com/apps/webappviewer/index.html?id=c5381e1335284d63bfa5d4b018b3372f>

Oregon State University - Prism Climate Group

<https://prism.oregonstate.edu/>



USDA Natural Resources Conservation Service, Web Soil Survey
<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

USGS Earthquake Hazards Program
<https://earthquake.usgs.gov/>

USGS Quaternary Faults Database
<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf>

USGS Mine Related Features
<https://mrdata.usgs.gov/usmin/map-us.html>