

THERE ARE NO GEOLOGIC HAZARDS WITHIN ONE MILE OF THE WELL PAD.

Soil Type in Proposed Oil and Gas Location: Nunn-Bresser-Ascalon complex (0-3% slopes). These soil types are considered to have a potential for collapse, but but failure is uncommon and this hazard poses minimal risk to the proposed Oil and Gas Operations.

Resources Reviewed:

COGCC. GIS Online Interactive Map. cogccmap.state.co.us/cogcc_gis_online/. Accessed August 29, 2023.

USDA-NRCS Web Soil Survey <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx> Accessed Aug 29, 2023

FEMA National Flood Hazard Layer Firmette – Accessed Aug 29, 2023

Colorado Geological Survey Earthquake and Fault Map Server Colorado Earthquake and Fault Map Server (mines.edu) – Accessed Aug 29, 2023 <https://cgsarcimage.mines.edu/ON-001/>

Colorado Geological Survey – Statewide Landslide Inventory Map - ON-006-01 Colorado Landslide Inventory (arcgis.com) – Accessed Aug 29, 2023 <https://cologeosurvey.maps.arcgis.com/apps/webappviewer/index.html?id=9dd73db7fbc34139abe51599396e2648>

Colorado Department of Public Health and Environment – Mine Impacted Streams Task Force – Colorado Abandoned Mines Land Information Web Application - Colorado AML Information (erams.com) – Accessed Aug 29, 2023 <https://erams.com/map/>

Colorado Geological Survey –Collapsible Soils of Colorado (arcgis.com) Accessed Aug 29, 2023 <https://cologeosurvey.maps.arcgis.com/apps/webappviewer/index.html?id=a6f816b35fb64d3da096e84af661f070>

Colorado Division of Reclamation, Mining and Safety Map Viewer - DRMS Mapping (state.co.us) – Accessed Aug 29, 2023 <https://maps.dnrgis.state.co.us/drms/Index.html?viewer=drms>

Colorado Geological Survey – ON-B-40M – Radioactive Mineral Occurrences of Colorado - ON-B-40M Radioactive Mineral Occurrences of Colorado (arcgis.com) – Accessed Aug 29, 2023 <https://cologeosurvey.maps.arcgis.com/apps/webappviewer/index.html?id=c5381e1335284d63bfa5d4b018b3372f>

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 no Geologic Hazards within a one mile radius.

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8/29/2023

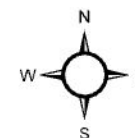
Signature

Date



Geologic Hazard Map
Remora 6 Pad
Arapahoe County, CO

0 1,000 2,000 Feet



Lot 3, Section 06
T.4S., R.63W., 6th P.M.
Arapahoe County, Colorado

- Access Road
- Remora 6 Pad
- 1 Mile Radius From Well Pad

KLJ Project Number: 2324-01280
Date Created: 8/29/2023 Created by: NSO