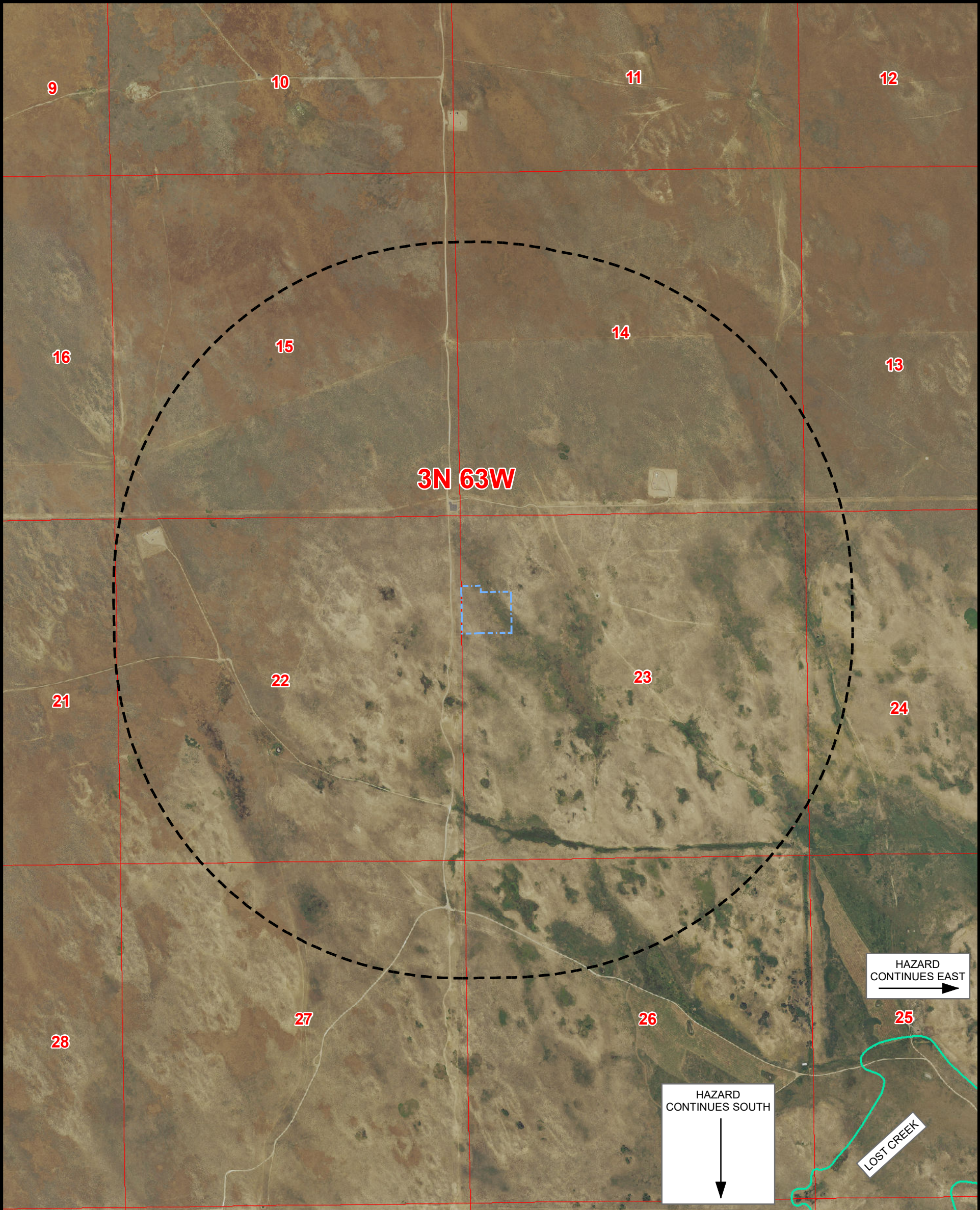


GEOLOGIC HAZARD MAP
ROAN ANGEL 5-23HZ

SECTION 23, TOWNSHIP 3 NORTH, RANGE 63 WEST, 6TH P.M., WELD COUNTY, COLORADO



Legend

- PROPOSED WORKING PAD SURFACE
- 1 MILE BUFFER - WORKING PAD SURFACE
- 100-YEAR FLOODPLAIN (EFFECTIVE, 2016)
- 100-YEAR FLOODWAY (PRELIMINARY, 2020)
- 100-YEAR FLOODPLAIN (PRELIMINARY, 2020)

NOTE:
THIS MAP IS A COMPILATION OF PUBLICLY AVAILABLE DATA. THE ACCURACY AND COMPLETENESS OF SAID DATA
HAS NOT BEEN VERIFIED BY 609 CONSULTING, LLC. EXISTING CONDITIONS MAY DIFFER FROM WHAT IS SHOWN.

**Kerr-McGee Oil &
Gas Onshore LP**
1099 18th Street
Denver, Colorado 80202



Consulting, LLC

LOVELAND OFFICE
6706 North Franklin Avenue
Loveland, Colorado 80538
Phone 970-776-4331
SHERIDAN OFFICE
1095 Saberton Avenue
Sheridan, Wyoming 82801
Phone 307-674-0609



NAD83 CO-Nft

1" = 1,500ft

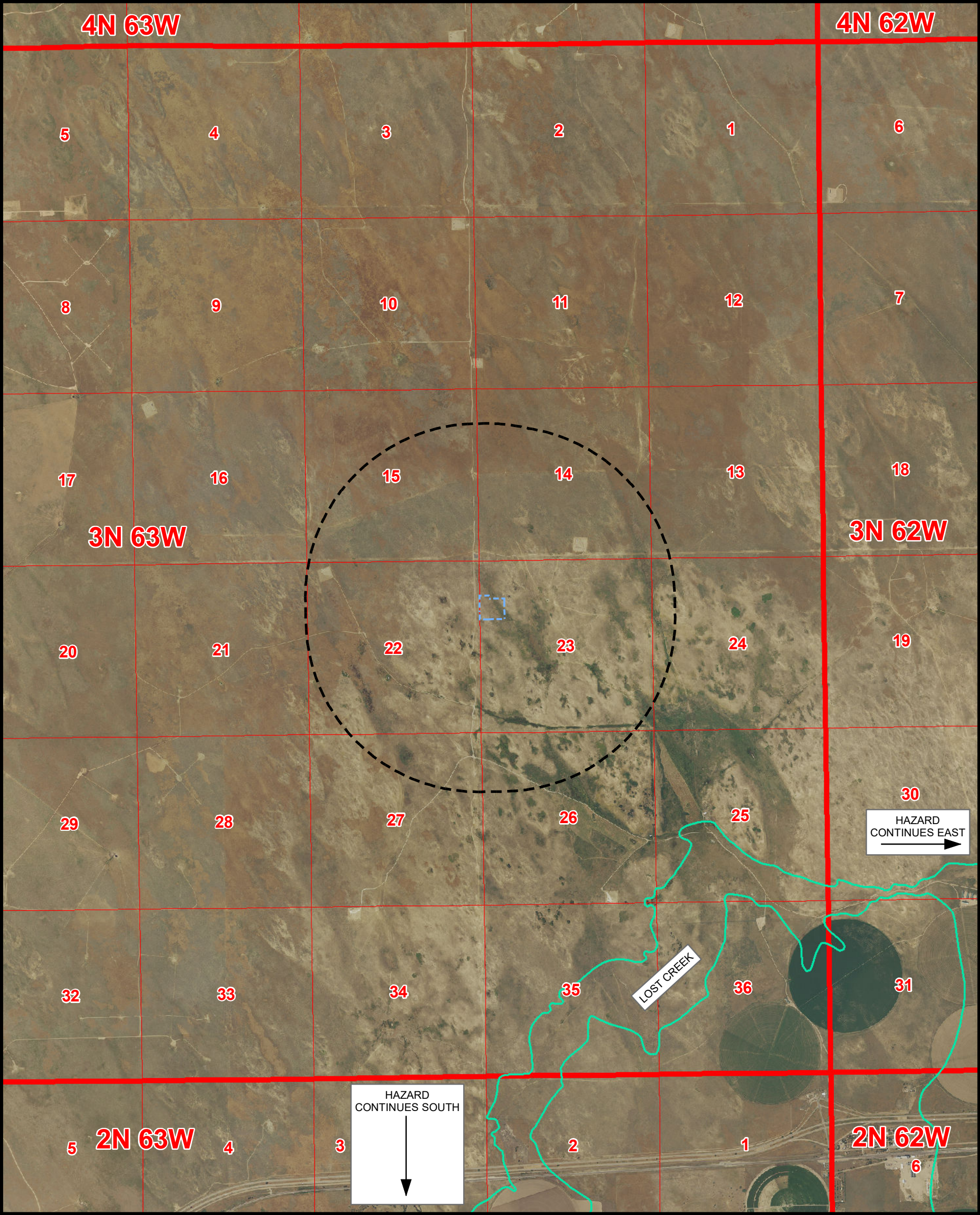
0 750 1,500

Drawn by: BB
Revised:

Date: 8 Mar 2023
Date:

GEOLOGIC HAZARD MAP
ROAN ANGEL 5-23HZ

SECTION 23, TOWNSHIP 3 NORTH, RANGE 63 WEST, 6TH P.M., WELD COUNTY, COLORADO



Legend

- PROPOSED WORKING PAD SURFACE
- 1 MILE BUFFER - WORKING PAD SURFACE
- 100-YEAR FLOODPLAIN (EFFECTIVE, 2016)
- 100-YEAR FLOODWAY (PRELIMINARY, 2020)
- 100-YEAR FLOODPLAIN (PRELIMINARY, 2020)

NOTE:
THIS MAP IS A COMPILATION OF PUBLICLY AVAILABLE DATA. THE ACCURACY AND COMPLETENESS OF SAID DATA
HAS NOT BEEN VERIFIED BY 609 CONSULTING, LLC. EXISTING CONDITIONS MAY DIFFER FROM WHAT IS SHOWN.

**Kerr-McGee Oil &
Gas Onshore LP**
1099 18th Street
Denver, Colorado 80202



Consulting, LLC

LOVELAND OFFICE
6706 North Franklin Avenue
Loveland, Colorado 80538
Phone 970-776-4331
SHERIDAN OFFICE
1095 Saberton Avenue
Sheridan, Wyoming 82801
Phone 307-674-0609

Drawn by: BB
Revised:

Date: 8 Mar 2023
Date:



NAD83 CO-Nft

1" = 3,000ft

0 1,500 3,000

K:\ANADARKO\2017\2017_197_CERVL_RANCH_T4N_R63W\GIS\COLT_OGDP\08_ROAN ANGEL\FORM 2\AIROAN ANGEL_GEOLOGIC_HAZARDS_MAP - ZOOMED OUT.mxd 3/8/2023 12:11:05 PM

I certify that I am a Professional Geologist meeting the educational requirements and professional work experience detailed in C.R.S. 23-41-208(b). I have reviewed information pertaining to this Oil and Gas Location, the surrounding area and have identified no Geologic Hazards within a one-mile radius.

Datasets, maps, and published papers used to evaluate other possible geologic hazards included in C.R.S. § 24-65.1-103 are listed below.

Sincerely,
Kerr-McGee Oil & Gas Onshore LP

A handwritten signature in black ink, appearing to read "John Piekara". The signature is fluid and cursive, with the first name "John" being more prominent than the last name "Piekara".

John Piekara
Regulatory Advisor

- Floodplain
 - COGCC Floodplains (FEMA) https://cogccmap.state.co.us/cogcc_gis_online/
 - National Flood Hazard Layer (NFHL) <https://hazards-fema.maps.arcgis.com/apps/webappviewer/>
 - Weld County: <https://www.weldgov.com/Government/Departments/Planning-and-Zoning/Floodplain-Management>
 - Surface Mines
 - COGCC DRMS Mine: https://cogccmap.state.co.us/cogcc_gis_online/
 - Weld County: <https://www.weldgov.com/Government/Departments/Planning-and-Zoning>
 - Earthquakes:
 - USGS: <https://www.usgs.gov/natural-hazards/earthquake-hazards/science/>
 - USGS: <https://earthquake.usgs.gov/earthquakes/map/>
 - Landslides
 - CGS: <https://cologeosurvey.maps.arcgis.com/apps/webappviewer/>
 - Sub-Surface Mines
 - COGCC Coal Mine: https://cogccmap.state.co.us/cogcc_gis_online/
 - Roberts, S.B., Hynes, J.L., and Woodward, C.L. Maps Showing the Extent of Mining, Locations of Mine Shafts, Adits, Air Shafts, and Bedrock Faults, and Thickness of Overburden above Abandoned Coal Mines in the Boulder-Weld Coal Field, Boulder, Weld and Adams Counties, Colorado. 1:48:000. Denver, CO: US Geological Survey: 2001
 - Ivery, J.B., and Hynes, J.L., Subsidence Hazard Map Boulder-Weld Coal Field Boulder and Weld Counties, Colorado. Map No. 7361-6 1:24,000. Colorado Geological Survey: 1974
-