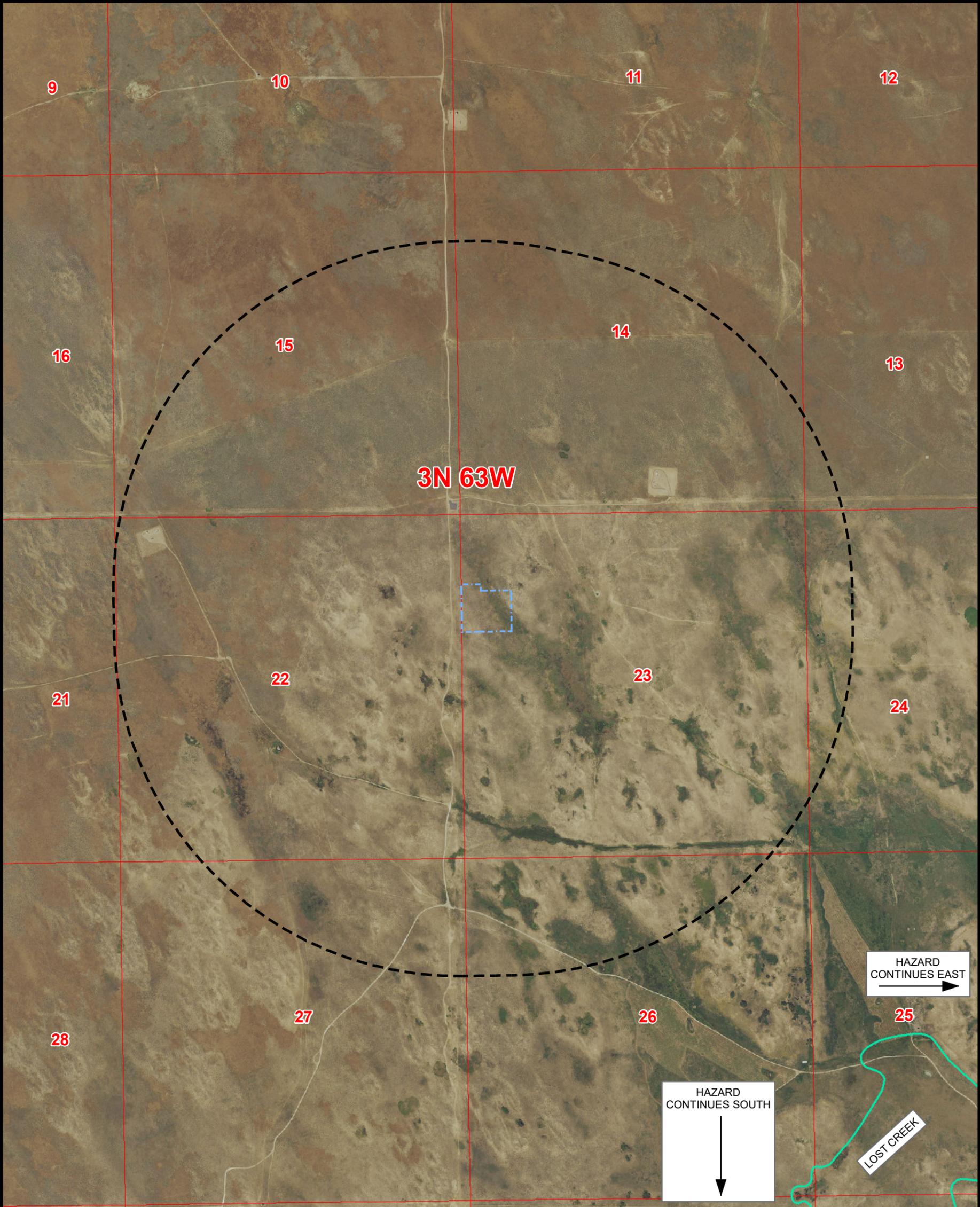


GEOLOGIC HAZARD MAP
ROAN ANGEL 5-23HZ

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



K:\ANADARKO\2017\2017_197_CERVI_RANCH_T4N_R63W\GIS\COLT_OGDP\08_ROAN_ANGEL\FORM_2\ROAN_ANGEL_GEOLOGIC_HAZARDS_MAP.mxd 3/8/2023 12:10:27 PM

- 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)

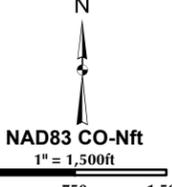
NOTE:
 THIS MAP IS A COMPILATION OF PUBLICLY AVAILABLE DATA. THE ACCURACY AND COMPLETENESS OF SAID DATA HAS NOT BEEN VERIFIED BY 609 CONSULTING, LLC. EXISTING CONDITIONS MAY DIFFER FROM WHAT IS SHOWN.

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



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 6706 North Franklin Avenue
 Loveland, Colorado 80538
 Phone 970-776-4331

SHERIDAN OFFICE
 1095 Saberton Avenue
 Sheridan, Wyoming 82801
 Phone 307-674-0609

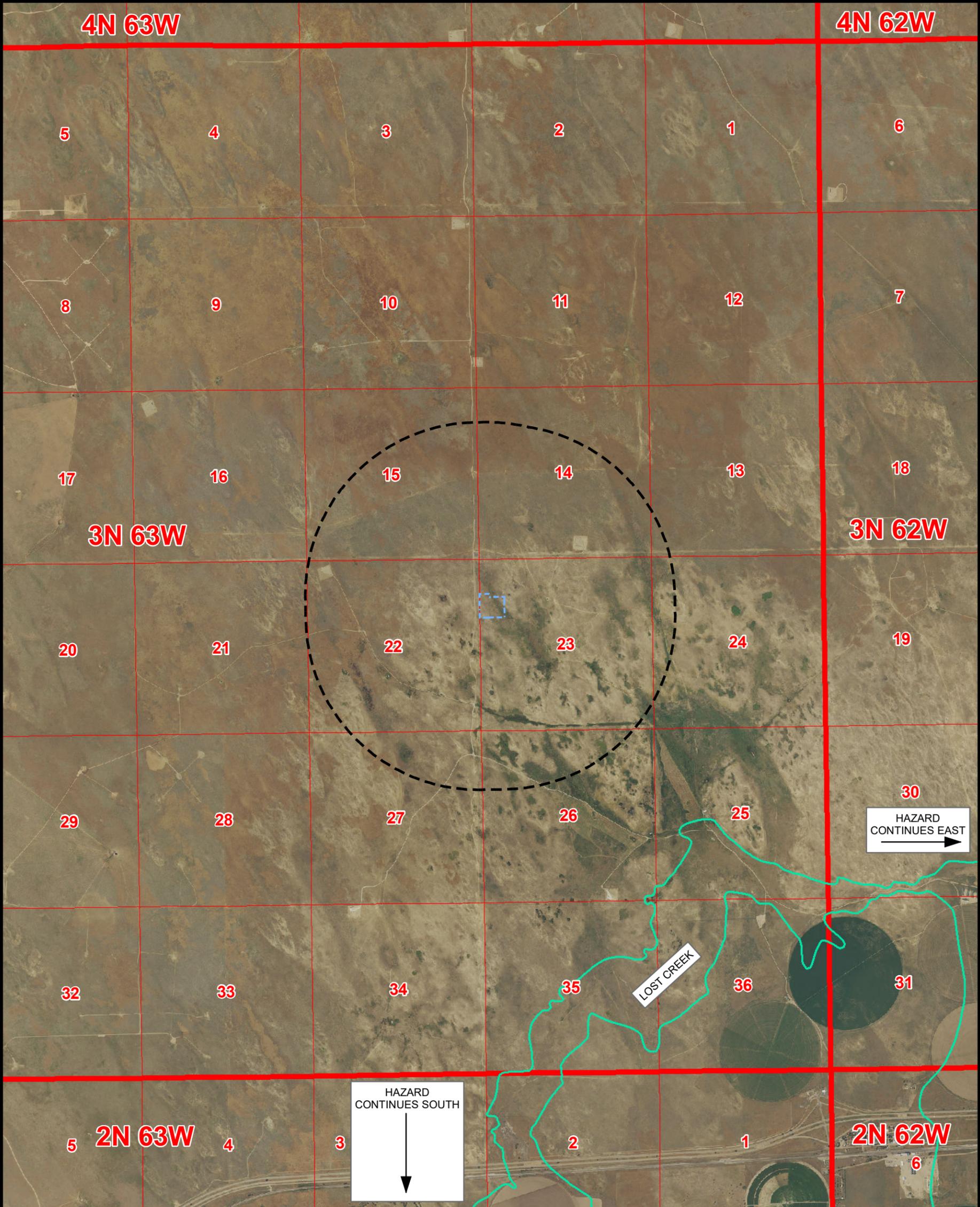


N
 NAD83 CO-Nft
 1" = 1,500ft
 0 750 1,500

Drawn by: BB Date: 8 Mar 2023
 Revised: Date:

GEOLOGIC HAZARD MAP ROAN ANGEL 5-23HZ

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



K:\ANADARKO\2017\2017_197_CERVI_RANCH_T4N_R63W\GIS\COLT_OGDPO8_ROAN_ANGEL\FORM_2\AIROAN_ANGEL_GEOLOGIC_HAZARDS_MAP_ZOOMED_OUT.mxd 3/8/2023 12:11:05 PM

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)

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NAD83 CO-Nft

1" = 3,000ft

0 1,500 3,000

Drawn by: BB
Revised:

Date: 8 Mar 2023
Date:

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 a large initial "J" and "P".

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
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