



NOTE: Sedimentary units were digitized from "Geologic Map of the Trinidad Quadrangle, South-Central, Colorado," by R.B. Johnson (1969).

### Legend

- New Elk Mine Lease Outlines
- New Elk Mine Historical Workings (outline only—no detail shown)
- Bosque del Oso Boundary
- Permit Boundary
- Highway
- Basic Plugs, Dikes & Seals
- Ultra Basic Dikes
- River/Stream
- Anticline/Syncline Faults

- Poison Canyon Formation
- Raton Formation
- Vermejo Formation
- Trinidad Sandstone
- Pierre Shale, Niobrara Formation, Carlile Shale, Greenhorn Limestone, and Graneros Shale

Information presented on this map has been reviewed by me and is accurate to the best of my knowledge and information.

Date PE# Signature

Rev	Description	By	Date	4	Added PR-04 Permit Boundary, revised lease line	JES	5/31/21
1	Revised lease boundary, updated Bosque del Oso boundary and the unsurveyed projected sections	SMVF	2/22/11	5	Added PR-05 Permit Boundary	ETC	9/30/21
2	Re-ordered stratigraphic order—newest to oldest—in legend	REL	6/1/11				
3	Revised PR-02 and incidental boundaries per NOV (dated 8-8-11)	SMVF	8/10/11				

### New Elk Mine Geology

DESIGNED BY: \*  
DRAWN BY: JT/MV/ETC

DATE: 09-30-2021  
SCALE: AS SHOWN

PERMIT MAP PR-05

### Map 5



New Elk Coal Company LLC