



The October 2012 Aerial Survey of Keeneland Mine was compiled and triangulated on Colorado State Plane North (surface) and referenced to Local Mine Datum using the following report:

Horizontal Resection to Local Mine Datum:
Translation north: -1,282.192,5660 ft
Translation east: -3,260.302,3550 ft
Rotation: 0.0118740°
Original north: 1,316,616.5640 ft
Scale factor: 1.0014885949

Vertical Resection to Local Mine Datum:
Note: There is a vertical plane between the New Vertical Datum and the Local Mine Datum.
The following points were used to match Local Mine Datum:
X: 36,623.170 - Y: 28,071.400 - Z: 3,824.4 ft power pole
X: 36,498.977 - Y: 26,412.420 - Z: 3,251.1 ft control point 1101
X: 36,581.000 - Y: 26,000.000 - Z: 1,271.1 ft control point 1103
X: 41,731.435 - Y: 28,217.937 - Z: 1,834.1 ft power pole

COORS ENERGY COMPANY EXISTING SURFACE FEATURES AND UTILITIES MAP			
CLIENT: COORS ENERGY COMPANY (KEENESBURG, COLORADO)	PROJECT: RECLAMATION (240)	DATE COMPLETED: 12/2018	APPROVED BY: ECA
PROJECT NO: COOR2018	DESIGNED BY: ECA	DWG. NAME: FWH-41-2018-001	REVISION: 11/2018
DESIGNED BY: ECA	DRAWN BY: ECA	D. ISSUED FOR PERMIT & REPORTS	
D. ISSUED FOR PERMIT & REPORTS			
1:1 B-BIT BOUNDARY SECTION			
AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC			