



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

**Horizontal Reduction to Local Mine Datum:**  
Translation north: -1,282.150, 5660 ft  
Translation east: -3,260.357, 2050 ft  
Rotation: 0.113, 0.000  
Original north: 1,315,616, 5640 ft  
Original east: 1,260,070, 2000 ft  
Scale factor: 1.001485999

**Vertical Reduction to Local Mine Datum:**  
Note: There is a vertical plane between the New Vertical Datum and the Local Mine Datum.  
The following points when used to match Local Mine Datum:  
X: 36,823.189 - Y: 28,077.400 - Z: 3,524 ft at power pole  
X: 36,488.977 - Y: 26,412.420 - Z: 3,251 ft at control point 1103  
X: 46,581.001 - Y: 26,007.000 - Z: 1,834 ft at power pole  
X: 41,733.435 - Y: 25,217.937 - Z: 1,834 ft at power pole

COORS ENERGY COMPANY RECLAMATION CONTOUR AND DRAINAGE PLAN MAP			
CLIENT: COORS ENERGY COMPANY (KEENESBURG, COLORADO)	PROJECT: RECLAMATION PLAN	DATE COMPLETED: 12/2018	APPROVED BY: ECA
PROJECT NO: COORS2018	DESIGNED BY: ECA	DWG NAME: RHWL-09-2018-01	DESIGNED BY: JON
REVISION: 0	DATE: 11/2018	DATE: 11/2018	DATE: 11/2018
D. ISSUED FOR PERMIT & REPORTS			
1:3 - NOT BOUNDARY - SECTION			
REFERENCE: 10/18/18, TUCSON, AZ			
AEC ENVIRONMENTAL CONSULTING, LLC.			

APPENDIX Q-1