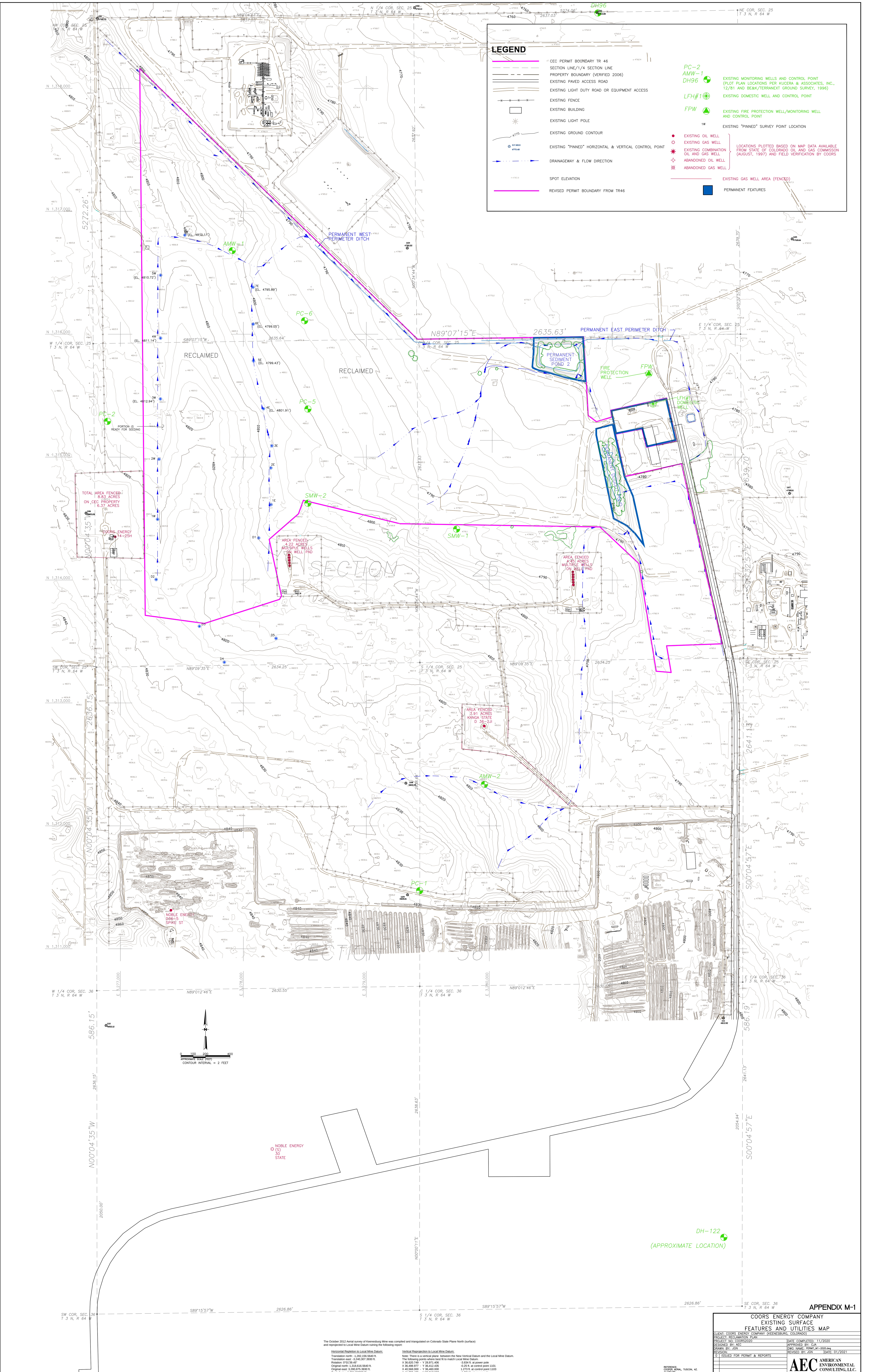




LEGEND

- CEC PERMIT BOUNDARY TR 46
- SECTION LINE/1/4 SECTION LINE
- PROPERTY BOUNDARY (VERIFIED 2006)
- EXISTING PAVED ACCESS ROAD
- EXISTING LIGHT DUTY ROAD OR EQUIPMENT ACCESS
- EXISTING FENCE
- EXISTING BUILDING
- EXISTING LIGHT POLE
- EXISTING GROUND CONTOUR
- EXISTING "PINNED" HORIZONTAL & VERTICAL CONTROL POINT
- DRAINAGEWAY & FLOW DIRECTION
- SPOT ELEVATION
- REVISED PERMIT BOUNDARY FROM TR46
- PC-2
- AMW-1
- DH96
- LFH#1
- FPW
- 1W
- EXISTING OIL WELL
- EXISTING GAS WELL
- EXISTING COMBINATION OIL AND GAS WELL
- ABANDONED OIL WELL
- ABANDONED GAS WELL
- EXISTING MONITORING WELLS AND CONTROL POINT (PLOT PLAN LOCATIONS PER KUCERA & ASSOCIATES, INC., 12/81 AND BE&K/TERRANEXT GROUND SURVEY, 1996)
- EXISTING DOMESTIC WELL AND CONTROL POINT
- EXISTING FIRE PROTECTION WELL/MONITORING WELL AND CONTROL POINT
- EXISTING "PINNED" SURVEY POINT LOCATION
- LOCATIONS PLOTTED BASED ON MAP DATA AVAILABLE FROM STATE OF COLORADO OIL AND GAS COMMISSION (AUGUST, 1997) AND FIELD VERIFICATION BY COORS
- EXISTING GAS WELL AREA (FENCED)
- PERMANENT FEATURES

APPENDIX M-1

COORS ENERGY COMPANY
EXISTING SURFACE
FEATURES AND UTILITIES MAP

CLIENT: COORS ENERGY COMPANY (KEENESEBURG, COLORADO)	DATE COMPLETED: 11/2020
PROJECT: COORS ENERGY COMPANY (KEENESEBURG, COLORADO)	APPROVED BY: G.A.
PROJECT NO: COORS2020	DRAWN BY: JON
REVISION: 1	REVISION: 1
ISSUED FOR PERMIT & REPORTS	ISSUED FOR PERMIT & REPORTS

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

Horizontal Reprojection to Local Mine Datum:

Translation north: 1,262,135.5640 ft
Translation east: -2,240.301359 ft
Rotation: 0°01'39.40"
Original north: 1,135,616.5640 ft
Original east: 2,240,616.5640 ft
Scale factor: 1.004862969

Vertical Reprojection to Local Mine Datum:

Note: There is a vertical skew between the New Vertical Datum and the Local Mine Datum.
The following points were used to match Local Mine Datum:
X 36,020.748 - Y 28,971.405 - Z 854.14 ft power pole
X 36,488.577 - Y 28,422.485 - Z 825.40 ft control point 1103
X 40,568.000 - Y 28,480.000 - Z 825.40 ft control point 1103
X 41,153.455 - Y 28,517.607 - Z 825.40 ft power pole