

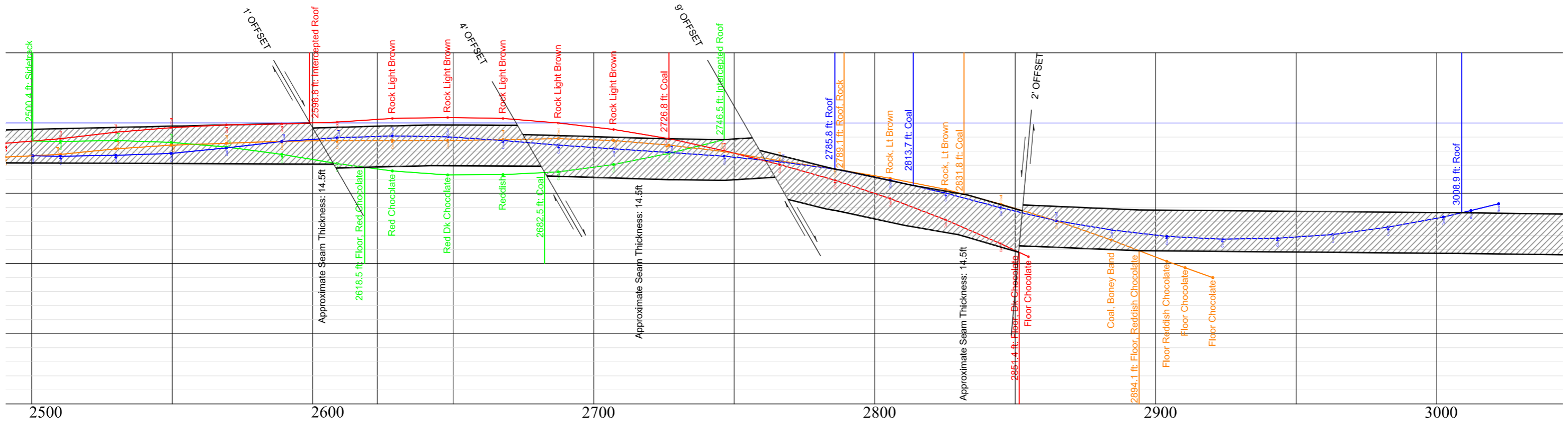
REI Western Region

250 W Berger Ln
 Salt Lake City, UT 84107
 Toll Free: 877.838.0534
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COAL CHARACTERIZATION



REI Drilling customers have benefited from Horizontal Directional Drilling to characterize coal burn areas, maximize coal recovery, & facilitate mine planning in advance of actual mining.



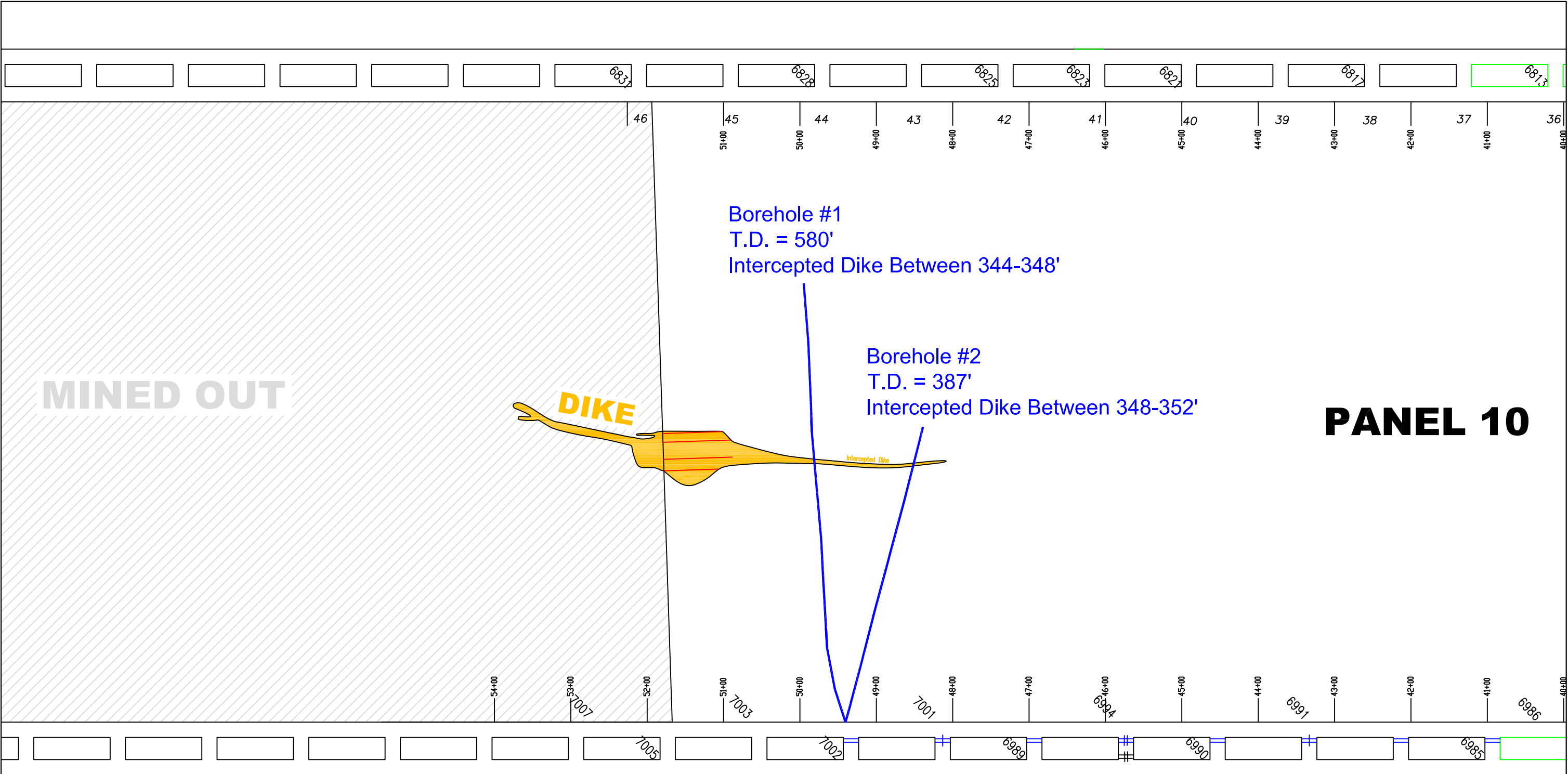
Fault Exploration Drilling

Horizontally Delineating Faults provides exceptional Detail compared to vertical holes. Understanding exactly how a fault disrupts a coal seam is invaluable for mine planning and mining efficiency. Don't explore faults with your miner, call us to get a clear picture of what's ahead.

REI | DRILLING
DIRECTIONAL UNDERGROUND

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PANEL 10

Borehole #1
 T.D. = 580'
 Intercepted Dike Between 344-348'

Borehole #2
 T.D. = 387'
 Intercepted Dike Between 348-352'

DIKE

MINED OUT

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INTRUSIVE FORMATIONS

REI | DRILLING

DIRECTIONAL UNDERGROUND

Face drilling showed the dike to be extensive and potentially detrimental to the life of the panel. Borehole No. 1 and No. 2 detected the dike at 4 ft thickness. Both boreholes indicated that the igneous intrusive body actually thinned away from the longwall face. Rapid drilling provided the operator with the information necessary to continue operation of the panel.