

REI Drilling, Inc. directionally drilled numerous exploration boreholes from underground workings and surface highwall locations to deliniate the extent of uncharted works initially intercepted by mining. REI Drilling developed tangential boreholes from boreholes that intercepted old workings to help establish the lateral extent of mining and define reserves.

## Corporate Office

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

## OLD WORKS EXPLORATION FROM SURFACE


DIRECTIGNAL UNDERGRGUND


Corporate Office
250 W Berger Ln Salt Lake City, UT 84107 Toll Free: 877.838.0534 Ph: 801.270.2140 Fax: 801.281.2880
Email: dan@reidrilling.com

## 388 EXPLORATION

## 

Horizonal directional drilling used as an acceptable alternative under 30 CFR $75.388(\mathrm{~g})$ has not only given coal producers peace of mind knowing that projected development will safely avoid old workings, but it has also enabled producers to increase production in areas with poorly mapped old workings.


PROFILE



Verrical Exaggeration $=1: 1$

REI Drilling，Inc．
250 W Berger Ln Salt Lake City，UT 84107 Toll Free：877．838．0534 Ph：801．270．2140 Fax：801．281．2880 Email：dan＠reidrilling．com

## Surface to In－Seam Directional Drilling for Abandoned Mine Verification

## 圆區口回ロ凸凸ロN區

REI Drilling，Inc．directionally drilled one（1）surface to in－seam borehole to a depth of 1760 ft for verification of coal continuity between projected and abandoned mine workings at at underground mine in the Illinois Basin．Depth of cover to the coal seam was approximately 160 ft ，allowing REI to drill a shallow angle surface to in－seam borehole and eliminate the need to bring a drill rig underground．REI used its MWD steering tool with on－board focused gamma to aid in coal seam interception at the target depth，minimizing side－track footage，and keeping the borehole in－seam to total depth．

