

## Coalbed Exploration - Fault Delineation

### Coalbed Exploration

- Horizontal directional drilling can provide precise information regarding geological disturbances and seam height
- Directionally drilling boreholes can be steered to specific targets or areas of interest
- Horizontal boreholes provide continuous information along the drill path
- Real-time DDM borehole surveys provide accurate borehole placement and quantitative delineation, both vertically (elevation) and horizontally (course and azimuth of geologic anomalies)
- Real-time DDM surveying permits precise mapping of seam thickness and geological disturbances
- Directional drilling allows steering of boreholes to specific targets
- Directional drilling permits multiple branches from the one main borehole
- A directionally drilled borehole located the fault identifying the offset and quantifying coal thickness on the other side

