Dynamic Overcomes Desert Obstacles

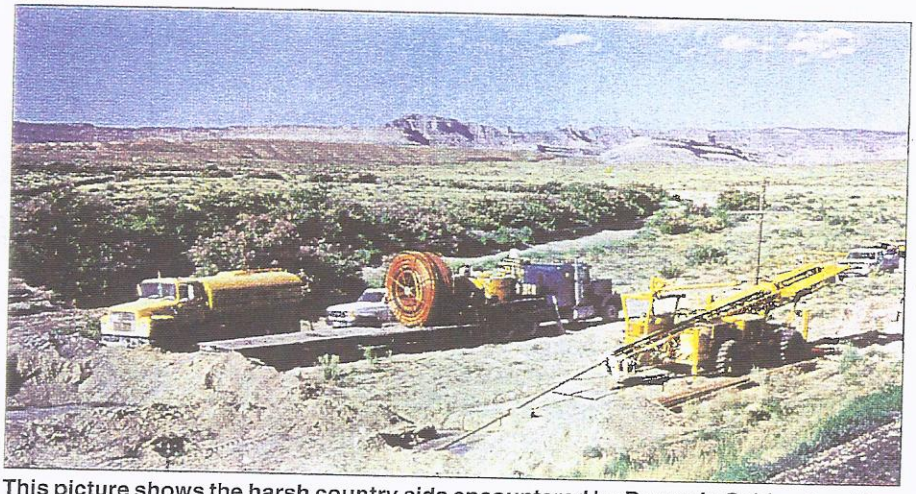
Though their name is Dynamic, their main job is boring. Directional boring that is, regardless of the conditions.

In November 1991, Dynamic Cable Construction, with offices in Tyler, TX, and New Orleans, undertook a project for S.P. Telecom that entailed directional bores and the placement of conduit for that company and two other fiberoptic carriers in the western United States. The project was divided into two phases with the final work completed in May 1993.

The route ran from Denver to Salt Lake City, a stretch that includes mountain peaks, desert plains and earth of solid rock, river rock, boulders, Mankas shell, granite, hard clay and loose sand.

The three directional bore rigs utilized on this project were the Ardco DBS 2000, DBS 2500 and the Ditch Witch Jet Trac 4/40. The DBS 2000 and 2500 were used on the longer more difficult rock bores while the smaller Jet Trac was used on shorter, non-rocky bores. The six-man crews also utilized Link-Belt 2700 excavators as well as smaller units.

Dynamic President Mickey Redwine reported that all three directional drilling machines performed exceptionally well throughout the job. Quick set-up and maneuverability enabled the completion of many bores that would seem otherwise unborable due to freezing weather; snow and ice, tough soil and accessibility conditions due to remote locations. In some cases, water had to be trucked in from more than 100 miles away.



This picture shows the harsh country side encountered by Dynamic Cable when they installed new cable lines in Utah and Colorado.

Many obstacles were encountered on this project, including extreme weather conditions, accessibility to the job site, ever-changing soil conditions and formations and availability of water.

Job specifications included 10 feet of cover from the natural bottom in creeks, rivers and dry washes. Three, two-inch HDPE conduits and one, 1-inch HDPE conduit were pulled in most areas with four two-inch HDPE conduits in others.

Phase I (27 bores) was completed in May 1992 and Phase II (eight bores) ran from April to May of 1993. The DBS 2500 was used exclusively on Phase II.

Some of the special tools and equipment required to complete this project were downhole motors, steering tools and specially designed bits and back reamers for rock.

Currently, Dynamic is coming off a directional drilling job in the French Quarter of New Orleans and is preparing to install some fiberoptic cable under the central business district of that city.

An Ardco BoreKing played an important role in the construction of a new cable conduit in the western U.S. Boring was typically through very difficult soil conditions. Another BoreKing and a Ditch Witch Jet Trak were also used on the project.