

## TERRA-JET 4015 S drills in the cold Ural



In the Russian city Beresovszky, which is 3 km (2 miles) away from Yekaterinburg, a new water line OD 110 mm (4") had to be laid trenchless over a distance of 220 m (726 ft). The first 150 m (495 ft) proceeded along the main road, the last 70 m (231 ft) were drilled through the forest.

The contractor StroyEra is the largest in this region and employs approximately 30 employees and workers. The company is specialized for pipe laying of all kinds. From now on they want to do this trenchless.

The first HDD bore of the TERRA-JET 4015 S was extremely hard for men and machine, because it had to be realized in November at – 30 degrees Celsius.



The TERRA-JET 4015 S in the drilling position. It is ready to start with the pilot bore.

**Horizontal Directional Drilling (HDD) Machine  
TERRA-JET 4015 S**



↑ The TERRA-JET 4015 S was operated inside a heated tent, to avoid the freezing of the Bentonite drilling fluid.



→ After the pilot bore was finished a 160 mm (6") backreamer with the HDPE pipe OD 110 mm (4") was connected.



← The bore channel was successfully backreamed to 160 mm (6"). The pipe could be pulled in over the distance of 220 m (726 ft) without problems.



→ The HDPE pipe OD 110 mm (4") was pulled in. Thereafter it was put in operation immediately