



Pipe Burst Test

- 12.75" OD Pipe x .250 wall (ERW - ASTM A53 GR. B)
- Calculated Yield Pressure – 2543 psi
- Actual Burst Pressure – 2740 psi
- Defect Repaired – 1.47" wide x 6" long x .125" deep

Description of Pipe Failure

An axial split occurred in the pipe between the area of the wrap and the welded end cap. The split was 18" long and 2.063" at its widest point. The wrap was unaffected by the failure. The composite wrap measured 17.25" wide and .6875" thick. There were no apparent leaks in the pressurized assembly. The diameter of the pipe increased measurably between the wrap and the welded end cap. The diameter at the end which did not fail increased to 14.06" as the steel yielded. Conclusion: Aquawrap[®] was able to reinforce the weakened area and outperform the untouched pipe.



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