

Thermoflex[®] Gas Gathering Line Marcellus Well Installation Case Study

Background:

A customer of Polyflow's in northern has drilled several Marcellus gas wells requiring new gathering line piping. The wells are anticipated to operate at pressures less than 500 psi, but could operate at over 1000 psi as more wells are drilled. Typical flow rates for these wells vary from 300,000 cf/day to 3,000,000 cf/day.

This customer selected 2.375" OD and 3.00" OD Thermoflex Pipe for their tie-ins. Their vertical wells used 2.375" and the horizontal wells used 3.00". Tie-in lengths ranged from 1000 ft. to around 4000 ft.

Welded termination couplings were used at all steel/plastic transitions.

Installation:

On this well the trenching was started at the well and worked back to the tie-in point. In this photo the temporary flowback separators are still connected to the well.



Thermoflex pipe tied off to tanks waiting for meter run.



After the pipe was tied off, the spool was set up on a fork lift and unspooled along the right of way.



Make sure to trench ahead. This 3500 ft run was made with one continuous length of pipe. Their contractor installed over 3200 ft. on the first day!



Backfilling with the dozer while the excavator digs down the hill to make the tie-in.



This customer was able to trench, backfill and tie in one well each day.