



Case Study  
**OIL AND GAS**

Location  
Iran-Texas, USA

Operator  
Green Century Resources

Year  
2019

Project

## Noelke SE Waterflood

Full replacement at Permian Basin of existing Polyflow line that failed 5 times over 3 years. The project consists of Tri-Plex displacement pump that pushes water to our Flexstrong Trunk line that feeds 3 wells for waterflood.

### What We Delivered



DIAMETER  
4"



DESIGN PRESSURE  
ANSI 600/1500PSI  
OPERATING PRESSURE  
1100PSI



LENGTH  
1.2 KM



JOINTS  
5x4" Series Flange End  
Fittings  
1x4" 1500 Series  
Coupling



DELIVERING  
Waterflood

Replacement of existing Polyflow line with Flexstrong - Spoolable, Non-corrosive, Fully Bonded Reinforced Thermo-Plastic (RTP) pipe.

Flexstrong is the latest technology in the market and combines a thermo-plastic High-Density Polyethylene (HDPE) liner, reinforced by a helically wrapped tape containing continuous fiber (uni-directional) in a HDPE matrix, and protected by a thermo-plastic outer coating. All three layers are melt-fused together ensuring a faultless bond. This results in a very robust, flexible light and corrosion resistant pipe.

Installation details: Bends - Surface line with several 90 degree turns and one ranch road crossing where line is buried at 36" / 914 mm.

Soil Type: Rock and sand  
Terrain: Elevation drops around 100' / 30.48m  
Operating Temperature: 100° F / 38° C

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Green Century Resources, LLC is a Delaware limited liability company headquartered in Midland, Texas. Committed to the innovative and responsible development of oil & gas resources and technologies.

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## Gallery



Need  
More Info?

Please get in touch with us  
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