

PipeWeights Geotextile Buoyancy Control Weights

Hearne, Texas

Shin Oak NGL 24" Pipeline Project

PROJECT TEAM

OWNER:

Enterprise Products

CONTRACTOR:

Troy Construction

SUPPLIER:

Industrial Fabrics, Inc.

TECHNICAL DESCRIPTION:

Product: PipeWeights
24" pipe bag
Weight: 5,000 lbs
Fill Material: Sandy Pea Gravel
Quantity: 708
Completion Date: August, 2018



PROJECT DESCRIPTION:

The 571 mile Shin Oak pipeline project consisted of eight (8) spreads. This particular pipeline will carry mixed NGLs from the Permian/Delaware Basin gas processing facilities near Orla, Texas to Mont Belvieu, Texas. The intended in-service date is the second quarter of 2019. This project intends to almost double the total NGL volumes by connecting incremental NGLs from the Permian/Delaware Basin to the large petrochemical and refining markets along the Gulf Coast.

PROBLEM:

Buoyancy control products are necessary to use when installing pipelines in wetland areas, stream or creek crossings, and areas with high water table. These wet conditions could result in the pipeline producing a buoyant force greater than the gravity forces from the soil above it. Thus causing critical damage as the pipeline shifts and floats upward. Such conditions existed along spread six (6) of the Shin Oak pipeline project near Hearne, TX.

SOLUTION:

Placed a pre-determined amount of weight onto the pipeline preventing uplift of the pipeline. In spread six (6), a wet area, it was determined 708 5000 lb. buoyancy control bags were needed. The PipeWeights bags produced a downward force on the pipeline which overcame the buoyant force.

PipeWeights may change product specifications without notice. The PipeWeights system is suitable for use in the application described in our literature and on our website, provided proper installation and engineering principles are followed. Professional engineering should be consulted before installation of PipeWeights units to assure proper design. **ALL EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.**

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CASE STUDY