## **Pigging: Condensate Pipeline**

## Saudi Arabia

## **Problem**

Black powder contamination in the condensate stream leaving a fractionator is accumulating on the pipeline walls. During pigging operations, the contamination is liberated back into the product.

## **Solution**

As a proof of concept, the customer installed a 5" OD, 300#, 316 SS magnetic separator skid, on a 1" OD slipstream line, off of a 14" OD pipeline, for 8 days to test:

(1) Removal of blackpowder in post-piggingoperations vs. conventionalfiltration, and(2) Dirt holding capacityof a BPS system vs.conventional filtration.

The BPS system was tested after pigging operations, and 2.9 kgs of black powder was captured.

After the 8 days, testing showed the conventional filtration plugged off and caused a 25 psi pressure drop. In comparison, the BPS system registered o psi pressure differential while loaded with contamination.

