

HENRY PUMP CASE STUDY

Monitor & Control Pump-Off Controllers and Other Assets To Optimize Oilfield Operations

Background

Before deploying Meshify's cloud-services, Henry Pump monitored their onsite assets the "old fashioned" way: an engineer drove out to every well-site and took readings manually. After getting tired of driving around from day to day, one industrious engineer decided there had to be a better way. He coded a simple web application to try and pull as much data as possible to help him use his time more efficiently. One day he realized, "Managing software is not our core business."

Overview

By deploying Meshify's hardware and software, Henry Pump was able to monitor, control and analyze their onsite assets through the cloud. Their collection of connected assets include pump-off controllers (POC's), flow meters and tank level sensors. On top of that, Henry Pump integrates Meshify's hardware and white-labels Meshify's platform into a product they can sell to their own customers, further increasing the penetration of connected assets in the field.

Key Results

No more driving around

The engineer and his team can maximize operator efficiency by planning when they drive out onsite and for what reason. This is a huge time-save.

Accurately measure "cost-to-lift"

By leveraging previously untapped data, Henry Pump was able to more accurately measure their cost-to-lift by including energy usage into the equation.

No equipment failures

Not a single equipment failure has been reported. Equipment failures impact revenues by necessitating decreased flow rates or sometimes even a full-stop. When a single failure costs upwards of \$10k, this speaks volumes.

Goals

Monitor Pump-Off Controllers:

Optimize how POC's are run and create efficiency.

Decrease Maintenance Costs:

Monitor fluid-flow rates to prevent solids from settling and decrease maintenance issues.

Avoid Equipment Failures

Use new data to avoid equipment failures.

Record & Monitor Data Remotely

Create operational efficiencies by maximizing the engineers' time.

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"If you avoid one equipment failure, you just paid for the unit."

Trevor Hardway