Valve Flushing and Greasing Program Saves Down Time and Repairs

CASE STUDY

Objectives

- The customer was experiencing high failure rates on production tree valves, leading to shut in's, expensive nipple down and repair operations and lost production volumes. The wells were flowing a fine sand that over time was cutting and scaring the valves, causing leaks and failures.
- The client desired to extend the life of valves to lessen the frequency of shut in's and valve failures.

Date: January 2016

Client: Independent E&P Operator

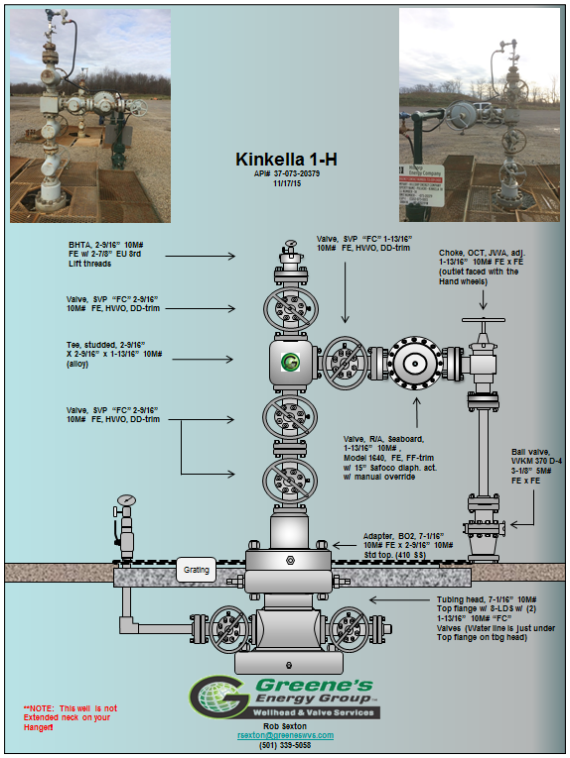
Location: Ohio

PRODUCTS/SERVICES:

- Wellhead and Valve Maintenance and Repair

Result

- Greene's Wellhead & Valve division was contracted to evaluate the problems and suggested a specific flushing and greasing program to address the fine sands.
- The following steps were implemented to all trees in the field:
  - Measure surface pressure reading to determine correct pump to flush the inside of the tree.
  - Measure outside temperature to ensure the correct mixture of glycol and water to prevent freezing.
  - Begin pumping and functioning the valve, counting the rotations to ensure full operation of the valve.
  - Once clean begin greasing the valve while functioning to ensure grease is distributed to the required areas.
- Flush and grease valves, track and record wells being maintained on quarterly rotation.
- Monitor and track the amount of failures and repairs.



Value to Client

- A regular valve maintenance schedule:
  - Reduces costly valve repair and extends the longevity of the valve life (even in normal well conditions).
  - Minimizes well shut in / lost production due to valve failure.
- Greene's maintains the valve maintenance schedule, relieving the customer of this responsibility.
- Greene's is an API licensed repair / remanufacture supplier, giving the customer a single source provider for valve field maintenance, repair and spare parts.