

## RockOn MX 833-5 Reduces Injection Pressure in SWD Well Pressure Dropped 1000 PSI and Water Injection Increased 500 BWPD

### BACKGROUND

The well was converted from producer to SWD in June 2009. The disposal water was being trucked in at a rate of 1500 barrels per day. A fair amount of this water contains high oil and grease due to poor separation and the water coming from cellars and sumps. MC SS-5053 was being used on the well at a rate of 15 quarts per day based on the 1500 barrel volume, however, the pressure continued to climb daily.

### ISSUES

The Byrd SWD had an injection pressure of 1500 psi at 1500 barrels of water per day. The well was in danger of being shut-in by the Alabama Oil and Gas Board due to the excessive pressure thus shutting down the trucks transporting the water and shutting down the ability for the company to make revenue from its water disposal operations.

### ANALYSIS

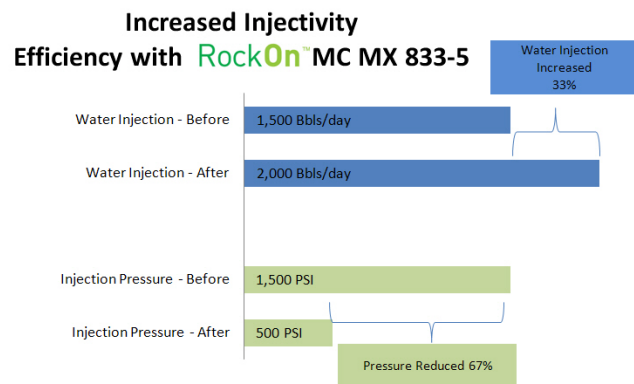
Multi-Chem's local account team determined the disposal perforations were most probably oil wet from its prior state as a producing well. It was observed that much of the disposal water contained significant hydrocarbon. The team contacted Multi-Chem's R&D group to determine if RockOn technology could be considered for this situation. It was agreed that this would be a viable application.

### RESOLUTION

Injection of RockOn MX 833-5 was initiated at a rate of 15 quarts per day based on the 1500 barrel per day water rate. After 7 days the injection pressure had dropped to 500 psi and the disposal water injection rate increased to 2000 barrels per day. The RockOn MX 833-5 injection rate was optimized at 10 quarts per day and pressure held steady at 500 psi.

### DELIVERED VALUE

The well pressure has dropped 67% and the water injection increased by 33%. The main value this RockOn MX 833-5 customer received is that the SWD well is not shut in and isn't making them more money than ever before! Potential savings have been realized on equipment wear and tear, as well as the potential to increase water injection even more as sustainable levels.



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