

## MX 363-7 and MX 426-7 Used to Defoam Heavy Crude

Treating Costs reduced 40% and Regulatory Fines Reduced

### BACKGROUND

Producers in Northern Alberta produce heavy oil and bitumen which has large amounts of methane trapped in the oil. As the oil is produced and heated, an emulsion forms containing methane and oil causing the oil to foam up.

### ISSUES

Production tanks can foam over if it is not watched carefully or controlled.

Also, when oil is hauled from production tanks to the cleaning plants the trucking costs become quite high because the trucks are only able to haul 50-60% of their capacity because of the foam.

### ANALYSIS

Based on testing, Multi-Chem selected two products.

- The First, oil soluble MC MX 363-7 which is added directly to the fresh production at 100ppm.
- The Second is MX 426-7 which is MeOH based and should be applied in the same manner as MX 363-7

### RESOLUTION

As new wells are brought on, the producer's operation team has been trained to watch closely to see if the production is foamy. This can be determined by measuring the torque on the gauge board when pulling it to the top.

### DELIVERED VALUE

The use of the Multi-Chem solutions has prevented a tanks from foaming over. This has a immeasurable savings because of clean up costs, fines from the Regulatory agencies, and environmental impact.

As in this case, trucking costs can be reduced by as much as 40% on very foamy production when the trucks are able to haul full loads.

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