



## Plugging Case . Permian Basin

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An operator was in the process of plugging a well in the Permian Basin, and had already attempted to get circulation by pumping 1,250 barrels of fluid with other types of LCM included without success.

By the time the operator called OWB personnel, the first attempt had concluded, the RRC of Texas was monitoring the situation, hundreds of thousands of dollars had already been spent, and the plugging of this well had turned into a train wreck.

A new attempt was planned and the job called for 6,500 sacks of cement. After consulting OWB personnel, it was recommended that only 500 sacks of cement with 166 pounds of the OWB additive be pumped. The operator and cement company decided to pump the OWB as recommended but in a second stage. The first 500 sacks were going to be pumped with the cement company's product and the next 500 sacks with the OWB product.

The results were favorable for the OWB cement control additive. During the second stage of pumping with OWB, pressure was observed and only 3,500 of the 6,500 sacks were needed. The remaining 3,000 sacks were returned to the cement company's yard.

This illustrates in a heads up comparison between a global international competitor's product and the OWB cement control additive that OWB is sufficient to get the job done.

These could have been the potential cost savings:

- the other products in both the first and second attempts
- the excess volume of fluid and cement in both attempts
- the entire second attempt cost
  - rigging up rigging down by cement company
  - several days waiting to plan and execute 2<sup>nd</sup> attempt
  - standby of workover unit and excess time to finally get well plugged

OWB is in many ways a cradle to grave product, proving that even in a plugging operation, it provides a superior solution.