STOPPIT® LCM enables recovery from total losses

Location: Granite Wash – Wheeler County, TX

OPERATOR’S CHALLENGE – After landing the curve at 90° in an 8 3/4-inch Granite Wash well, the operator experienced complete lost returns. An 8.1 lb/gal INVERMUL™ invert emulsion system was being used while drilling with a 6 ½-inch turbine assembly down hole. After several attempts with third party lost circulation material squeezes, no circulation improvement was observed.

HALLIBURTON’S SOLUTION – Baroid engineers recommended spotting a 50 bbl INVERMUL pill containing 80 lb/bbl of STOPPIT® lost circulation material and perform a hesitation squeeze. The pill was pumped through 5-inch drill pipe at 118 gal/min and spotted at 11,680 feet MD. The pill was allowed to soak for 7 hours before shutting the wellbore in and pressuring up to 100 psi for 1 hour. After bleeding the pressure off of the well, they regained full returns and began slowly raising the pump pressure until they were able to resume drilling.

ECONOMIC VALUE CREATED – The operator was able to complete the well without performing costly cement squeezes or setting a 7-inch liner. The well was drilled to a total depth of 16,800-ft MD within 10 days of first incurring the initial losses to the wellbore.

The Granite Wash is located in northern Texas and Western Oklahoma.