

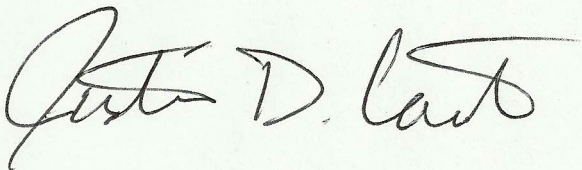
Simpson Sand

4174' – 4182' sample show, logs show 8% porosity with permeability 4174' to 4180', resistivity low with  $R_t = 15$  ohms

In DST #1, tested over the Kansas City "I" zone, hydrocarbons were recovered. A total volume of 0.91 barrels was collected over a total of 65 minutes open. A breakdown of the recovered DST sample showed that approximately this test recovered 0.33 barrels of oil in that 65 minutes. The bottom hole pressures of 686# to 622# are approximately in the range of 200# less than the bottom hole pressures of other productive wells in the area. The oil recovery combined with the 600' of gas in the pipe shows significant evidence that this zone would be economic enough to run pipe on by itself.

The primary objective of the Mississippian formation showed to be 11' high to the dry hole drilled to the west in this same section. It was 30' low to the closest producer in section 11 to the north of this location approximately 1200' away. DST #3 over this interval recovered 20' of slightly oil spotted mud with shut in pressures of 113# to 96#. Such low bottom hole pressures along with the a low recovery of fluid is evidence enough that zone is also uneconomical.

This zone was frac stimulated in the producer to the north in section 11, but their drill stem test over the Mississippian zone showed bottom hole pressures of 903# to 911#. Recovery from that test also yielded gas to surface gauged at 6.5 MCFPD. Secondary objectives in the Lansing, Marmaton, Viola, and Simpson showed to also be noncommercial by analyzing DST data and electric log data. It is my recommendation to plug and abandon the well.



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