

DRILL STEM TEST

- No. 8 Johnston DST Devonian formation 12,266' to 12,316'. 5/8" bottom, 1/2" top Chokes. 3850' water blanket. Tool open 7 hours and 2 minutes. Air immediately, gas in 2 hours and 7 minutes. Water blanket 4 hours and 2 minutes. Oil in 5 hours and 55 minutes. Flowed 16 barrels oil in 1 hour. Corrected gravity 44.8. GOR 850. 15 minutes shut in BHP 4925#. Initial flow pressure 1825#. Maximum flow pressure 3100#. Final flow pressure 2900#. Hydrostatic pressure 9950#.
- No. 9 Johnston DST Devonian formation 12,316' to 12,366'. 5/8" bottom, 1" top chokes. 3850' water blanket. Tool open 6 hours. Air immediately, gas in 2 hours and 4 minutes, water blanket in 5 hours and 46 minutes. Closed test tool. Reversed circulated and recovered 3850' water blanket, 41 barrels of clean oil, 2994' of gas and heavy gas cut mud. 15 minutes shut in BHP 5075#. Initial flow pressure 2150#. Maximum flow pressure 3675#. Hydrostatic pressure 6150#.
- No. 10 Johnston DST Devonian formation 12,367' to 12,416'. 5/8" bottom, 1" top chokes. 3900' water blanket. Tool open 6 hours. Air immediately, gas in 2 hours and 15 minutes, water blanket 4 hours and 35 minutes. Closed test tool. Circulated out 45 barrels clean oil. Hydrostatic pressure 6450#. 15 minutes shut in pressure 5150#. Initial flow pressure 2150#. Maximum flow pressure 4000#.
- No. 11 Johnston DST Devonian formation 12,417' to 12,466'. 5/8" bottom, 1" top chokes. 3970' water blanket. Tool open 6 hours. Air immediately, gas 2 hours and 18 minutes. No fluid to surface in 6 hours. Closed test tool. Circulated out oil and gas cut water blanket. Recovered 15 barrels clean oil, 6476' of oil and gas cut mud. Hydrostatic pressure 6350#. Initial flow pressure 2000#. Maximum flow pressure 4525#. 15 minutes shut in BHP 5350#.
- No. 12 Johnston DST Devonian formation 12,467' to 12,516'. 5/8" bottom, 1" top chokes. 3995' water blanket. Tool open 4 hours. Air immediately, gas 2 hours 15 minutes. Water blanket to surface as tool was being shut in for BHP. Circulated out oil and gas cut water blanket, 40 barrels clean oil. Hydrostatic pressure, no test. Initial flow pressure 2025#. Maximum flow pressure 4050#. 15 minutes shut in BHP 5300#.
- No. 13 Johnston DST Devonian formation 12,517' to 12,566' 5/8" bottom, 1" top chokes. 4080' water blanket. Tool open 4 hours. Strong air blow immediately. Gas 2 hours and 11 minutes. Water blanket 3 hours and 35 minutes. Circulated out 46 barrels free oil. Hydrostatic pressure 6450#. Initial flow pressure 2550#. Maximum flow pressure 4400#. 15 minutes shut in BHP 5450#.
- No. 14 Johnston DST Devonian formation 12,567' to 12,616'. 5/8" bottom, 1" top chokes. 4115' water blanket. Tool open 1 hour and 25 minutes. Slight air blow immediately and died in 25 minutes. 15 minutes shut in BHP 3495#. Initial and final flow pressure 2100#. Hydrostatic pressure 6250#. Circulated out water blanket and drilling mud, no shows of oil or gas. Bottom hole sample, 60' water blanket cut with drilling mud and gas.

