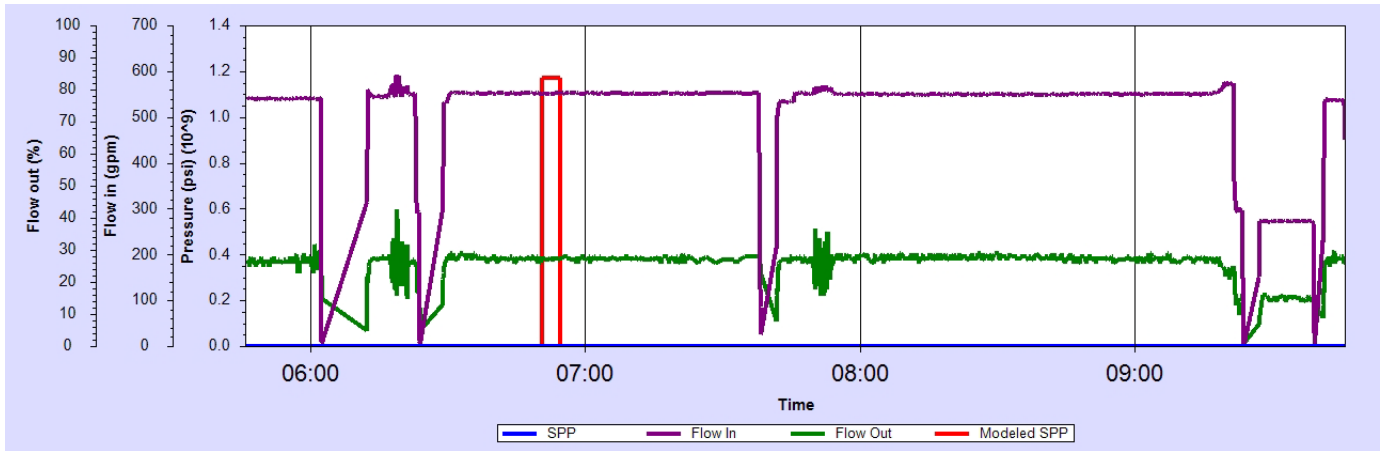


Washout/Pump Failure Alert for [REDACTED]

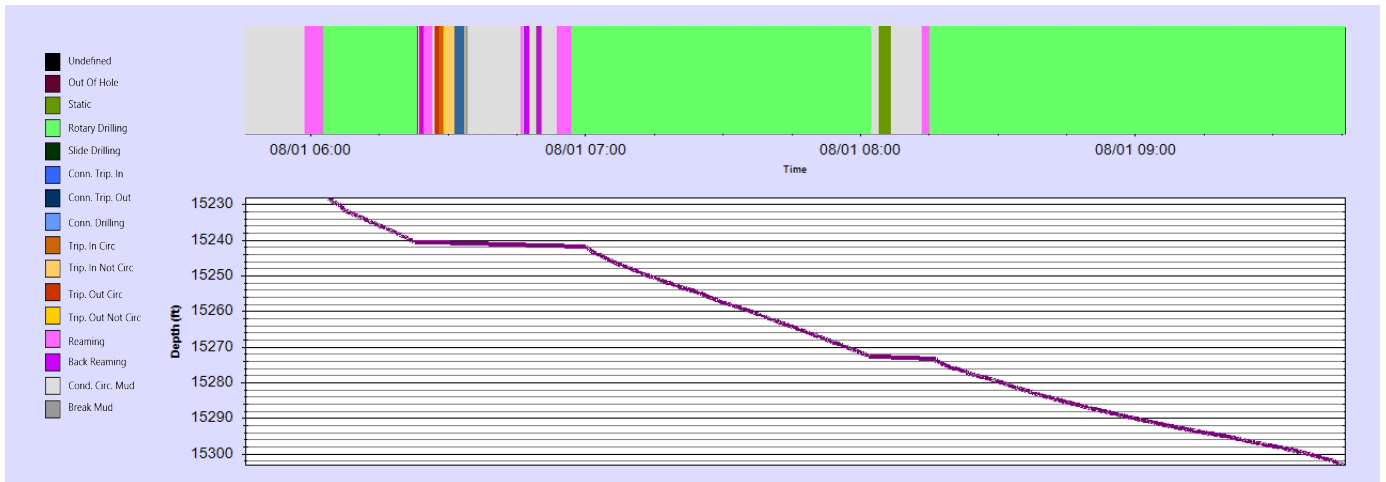
Rig Name: [REDACTED]

Time Period Analyzed: Aug 01 2017 05 45 47 to Aug 01 2017 09 45 47

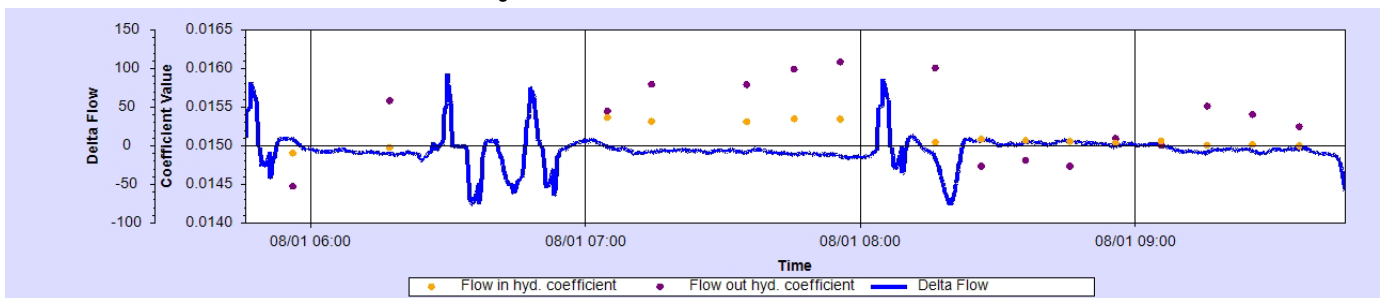
Relevant Sensor Data



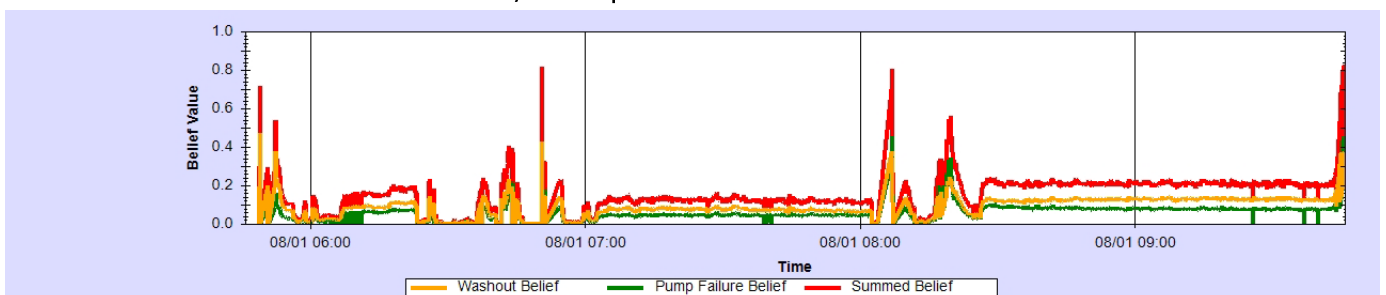
Rig States Over Time



Hydraulic Coefficients



Washout/Pump Failure Belief Values



Washout trends: decreasing flow-in hyd. coefficient, decreasing flow-out hyd. coefficient, SPP low/decreasing relative to model pressure
Pump failure trends: decreasing flow-in hyd. coefficient, CONSTANT flow-out hyd. coefficient, SPP low/decreasing relative to model pressure