Case Study

**XRV G3 - Extended Reach Tool**

**XRV G3 Reached TD with Positive Weight on Bit**

Case Study No. 4101

**RESULTS:**

While utilizing a vibratory tool to mill out composite bridge plugs, high sand volume and friction became limiting factors, resulting in extensively long mill times (59min) and becoming friction locked at 10,868’, leaving 5 plugs untouched. The customer pulled out of hole to deploy Thru Tubing Solutions’ Milling Assembly in conjunction with the XRV$^3$. TTS was able to successfully reach TD at 14,508’, while maintaining positive weight at TD (4,000 lbs) on 2” coiled tubing. The average mill time for the remaining 5 plugs was decreased substantially to 8.5min, proving that TTS has the superior, more aggressive vibratory tool. The customer stated they would not complete another milling job without the XRV$^3$.

**HIGHLIGHTS**

- Reached TD with 4,000# WOB
- Eliminated Friction
- Low Differential Pressure
- Outperformed First Run Vibratory Tool

**DETAILS:**

- **Location:** Williamsport, PA
- **Formation:** Marcellus
- **Conveyance:** 2” Coiled Tubing
- **Casing Size:** 5-1/2” 23#
- **Kick Off Point:** 4,900’
- **Total Measured Depth:** 14,508’
- **Well Orientation:** Horizontal
- **Fluid:** Water
- **Type of Operation:** Composite Plug Drill Out
- **Number of Plugs:** 12 Plugs
- **Tools Used:** 2-7/8” TTS Milling Assembly
  2-7/8” XRV$^3$

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