



A Division of Thru Tubing Solutions

# Job Report - Casing XRV™

Efficient Casing Installation with Improved Cement Integrity  
Case Study No. 2506

## Completion String Installed with Drillable Casing XRV™

### Details:

<b>Formation:</b>	<b>Mississippi Lime</b>
<b>Location:</b>	<b>Garfield County, OK</b>
<b>Tools Used:</b>	<b>7.0" Buttress Drillable Casing XRV™</b>
<b>Pump Rate:</b>	<b>335 gpm</b>
<b>Drill Pipe:</b>	<b>7.0" Casing</b>
<b>Mud Weight:</b>	<b>8.4</b>
<b>Viscosity:</b>	<b>28</b>
<b>Total Depth:</b>	<b>8,108'</b>
<b>XRV Drill Out Time:</b>	<b>14 Minutes</b>

### Results:

Even with lost circulation issues the customer was able to pump enough through the **Casing XRV™** to create an axial vibration to get the casing through tight spots in the wellbore. They had two tangents in the well that would typically make it hard to land casing. The **Casing XRV™** tool helped land their 7" casing quick and easy. When they got casing to bottom and pumped the 15lb cement down hole, the **Casing XRV™** shook even harder ensuring an excellent cement job.

After the cement dried, they put a 6 1/8" 5 blade PDC bit in the hole with no motor to drill out the **Casing XRV™** and float equipment. The **Casing XRV™** was drilled out in 14 minutes. They were quickly able to start on drilling the rest of their lateral section.

### Drill Out Timeline:

	<u>TIME</u>	<u>LENGTH</u>	<u>DEPTH</u>	<u>GPM</u>	<u>WOB</u>	<u>RPM</u>	<u>HOOK LOAD</u>	<u>TORQUE</u>
Float Tagged	10:25	1.60'	8,015.2'	340	5-10K	40	126K	6-8K
Casing Joint Tagged	10:45	43.40'	8,016.8'	340	5-10K	40	126K	6-8K
XRV Tagged	11:09	3.80'	8,060.2'	340	8-10K	45	124K	6-10K
Casing Joint Tagged	11:23	41.38'	8,064'	336	8-10K	45	125K	6-10K
Float Shoe Tagged	11:45	2.60'	8,105.4'	335	10K	50	120K	6-8K
Drill Out Complete	12:13		8,108'	335	10K	50	120K	6-8K
Drill Out Totals	1hr 48min	92.78'	8,108'	338	9K	45	123K	7K

