Job Report - Casing XRV™

Low Torque Casing Installation in Highly Deviated Well
Case Study No. 2505

Casing XRV™ Excels Through Harsh Horizontal Section.

Details:

Formation:	**Avalon**
Location:	**Lea County, NM**
Tools Used:	**5.5” Buttress Casing XRV™**
Fluid:	**8.8 PPG 40 Viscosity**
Pump Rate:	**275 - 310 gpm**
Drill Pipe:	**5.5” Casing**
Lateral Length:	**7,065’**
Total Depth:	**16,627’**
Days In Use:	**36 Hours**

Results:

During the Customer’s drilling operation the well trajectory got off track creating a severe curve in the horizontal section ranging from 14,000’ to 16,600’. With concerns about landing casing at bottom, the decision was made to use the **Casing XRV™** to ensure TD was reached.

Initially, casing was installed well into the lateral section without the need to engage pumps. Progress rapidly diminished at 14,200’ as anticipated. Due to low torque capabilities of the casing, the customer was not able to rotate the string to invoke movement. However, once the customer started pumping through the **Casing XRV™** (275 gpm @ 700 PSI pressure drop) the installation immediately began making progress again.

To test the effectiveness of the **Casing XRV™**, several attempts were made to move the casing without pumping, but none were successful. The pump rate was ultimately increased to 310 gpm (900 PSI pressure drop) which resulted in increased performance. The entire well was cased within 36 hours and with the use of the **Casing XRV™** the customer was able to reach TD successfully.

For More Information and Case Studies, Contact:

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