CASE STUDY

**ALPINE DRILL BEADS and DRILL BEAD Recovery Unit Alleviates Sliding Problem in North Dakota**

“We can see a difference in our slides. ROP increased by 45.”

Operator’s Directional Driller

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**Well Information**
Location: North Dakota
Interval drilled: Lateral @ 15,193–20,054 ft (4,631–6,112 m)
Disposal method: Reserve Pit of Land Rig

**The Situation**
While using an oil-based mud (OBM) system, problems were encountered during drill and slide operations of this lateral well. In addition three trips were made due to MWD/MM failure.

**The Solution**
It was recommended to implement **ALPINE DRILL BEADS** lubricant and the use of a **ALPINE DRILL BEAD Recovery Unit (BRU)**.

**The Results**
Through the assistance of **ALPINE DRILL BEADS** lubricant and BRU this lateral well was successfully drilled with minimal problems in addition to aiding in achieving smooth casing runs.

**The Details**
This major independent began running the BRU with 4-lb/bbl **ALPINE DRILL BEADS** product applied to the system in the lateral section at 15,193 ft (4,631 m), and finished with 6-lb/bbl Drill Beads product. The system was also utilized while reaming.

- Concentration of **ALPINE DRILL BEADS** product was increased as sliding worsened.
- ROP improved by 45%.
- TOTH and TITH were performed without any problems.
- No problems were encountered during the casing run.
- The lateral section was drilled without an agitator.

**Questions? We’ll be glad to answer them.**
If you’d like to know more about the **ALPINE DRILL BEAD Recovery Unit** and the **ALPINE DRILL BEAD** additive and how it’s performing for our other customers, please call the **ALPINE SPECIALTY CHEMICALS** or the M-I SWACO office nearest you.
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