Amazing performance with Baker Hughes iRev Impregnated Diamond Bit technology

CHALLENGES

- Drill 250 ft @ 2.3 ft/hr minimum ROP
- High vibration likely in a very hard and abrasive sandstone formation
- UCS up to 35 KSI
- Cutting structure wear reduces ROP and distance drilled in PDC bits

SOLUTION

- 8-1/2 in. iRev[™] impregnated drill bit for improved durability, ROP and footage in hard and highly abrasive formations
- Optimized gauge length (anti-sticking) design for improved stability and efficiency
- Medium speed motor provided high bottomhole efficiency with outstanding ROP

RESULTS

6.5% faster

29% further

actual vs. planned footage

In Gauge Bit dull graded in gauge with expected wear

Stable Drilling

compared to PDC bits





Bit in-gauge after extended drilling interval

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