

High-Capacity MAGNOSTAR Magnet Released into Brazil Market with Immediate Customer Satisfaction

“The 9⁵/₈-in. MAGNOSTAR* magnet tool augmented the existing SPECIALIZED TOOLS debris recovery string perfectly. Our client requested that the tool be included on all future applicable cleanup runs.”

Ian Clarke, M-I SWACO Specialized Tools, South America

Well Information

Location Offshore Brazil
 Tool type 9-5/8-in. MAGNOSTAR Debris Recovery Magnet Tool
 Well clean-up measured depth 11,515 ft (3,510 m)
 Clean-up string RAZOR BACK*, MAGNOSTAR, WELL PATROLLER*, PUP Riser Brush
 Completion Fluid 1.13 sg (9.4 lb/gal) NaCl / KCl Brine

The Situation

An operator in Brazil required a clean-up run to scrape the packer setting depth, dress the Production Casing & Marine Riser in preparation for an open hole Gravel Pack Completion. The key objective was to complete the operation as a single trip system while at the same time not compromising the effectiveness of the Wellbore clean-up operation.

The Solution

To address client needs, two recently developed 9-5/8-in. MAGNOSTAR high-capacity magnet tools were run in hole along with the RAZOR BACK scraper, WELL PATROLLER downhole filtering / validation tool on the main pre-gravel pack completion clean-up. A PUP Riser Brush tool was also run to condition the Marine Riser in the clean-up string.

The 9⁵/₈-in. MAGNOSTAR magnets were utilized due to their large debris collection capacity comprising 45 fully encapsulated high capacity magnets. Crucial also in their selection was their large fluid bypass -adjustable according to specific flow path requirements.

The Results

During the very successful clean-up run the two MAGNOSTAR tools collected 19 kg (41 lb) of ferrous metal debris. The debris was generally small in size with some larger slivers also present.

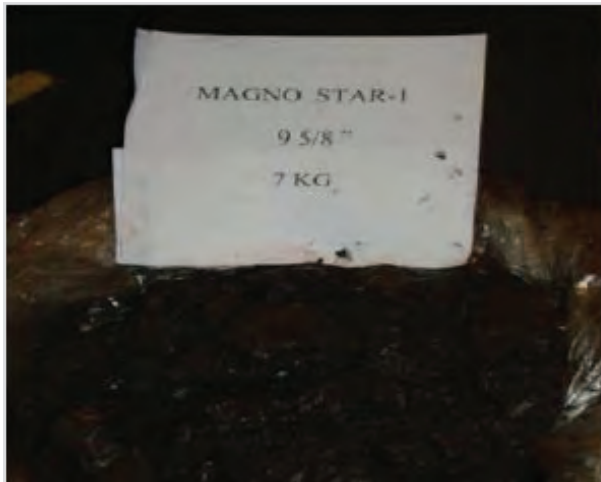
The operator was exceptionally pleased with the high ferrous debris retrieval compared to previous jobs and requested these tools be run on any future work of this nature

The Results (continued)



Figure 1: Fully loaded 9 $\frac{5}{8}$ -in. MAGNOSTAR emerging from wellbore

The two 9 $\frac{5}{8}$ -in. MAGNOSTAR tools collected 19 kg (41 lb) of magnetic debris between them (shown below)



Questions? We'll be glad to answer them.

If you'd like to know more about the MAGNOSTAR tool and how it's performing for our other customers, please call the M-I SWACO office nearest you.



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