

Rotary Steerable Scout®

Designed and Constructed for Land-Based Drilling Operations

In partnership with Turbo Drill Industries, Sanvean Technologies has redefined the approach of rotary steerable design and construction. Rotary Steerable Scout is an advancement of Scout Downhole's Vertical Scout, the only commercially proven mechanical vertical drilling tool in the oil and gas industry. A cost-effective tool with high reliability and over 4 million feet drilled globally, the mechanical Vertical Scout was an ideal platform to change the economics of rotary steerable drilling for land-based operations.

Rotary Steerable Scout is a digitally controlled, mud operated, push-the-bit system capable of drilling vertical, nudge, tangent, and lateral wellbores. Providing full steering control while rotating, the system is designed to deliver high quality wellbores.

High reliability, consistent directional performance, on-bottom downlinks, inclination and azimuth hold modes combined with high rates of penetration is the standard for the Rotary Steerable Scout. Bringing all these components together at a competitive operating, service and lost-in-hole rate, Rotary Steerable Scout is ready to change the economics of rotary steerable drilling in North America land.



Rotary Steerable Scout is currently in the advanced development stage and has successfully drilled wells in West Texas, North Texas, New Mexico and Oklahoma. The system is available for deployment in 12 ¼", 8 ½" and 8 ¾" hole sizes.

FEATURES

- On-bottom downlink communication with real-time downhole and surface confirmation
- Slow-rotating steering housing for improved bit stability and longer bit life
- Hold inclination and azimuth
- Embedded high-frequency drilling dynamics sensors

BENEFITS

- Accurate directional control with continuous drill string rotation
- Improved well delivery time and cost
- Lower LIH cost compared to other RSS
- Can be run with Scout Downhole's Steady Torque (HFTO Isolation tool)



Rotary Steerable Scout® Specifications



ROTARY STEERABLE SCOUT®

| Tool Size | 962 | 712 |
|---------------------------------|--|--|
| Hole Size | 12 ¼" | 8 ½" & 8 ¾" |
| Build Rate | 0 to 3 deg/100' | 0 to 5 deg/100' |
| Length | 20.80 ft | 16.20 ft |
| Pad Stroke | 12.06" to 13.50" (12 ¼" hole) | 8.23" to 9.47" (8 ½" hole) 8.48" to 9.72" (8 ¾" hole) |
| Maximum Flowrate | 1200 GPM | 700 GPM |
| Maximum Hydrostatic Pressure | 20,000 PSI | 20,000 PSI |
| Maximum Temperature | 302° F | 302° F |
| Maximum WOB | 60,000 LBS | 40,000 LBS |
| Maximum RPM | 400 RPM | 400 RPM |
| Connections | 6 5/8" Reg x 6 5/8" Reg | 4 ½" Reg x 4 ½" IF or XH |
| Pass Thru (without rotation) | 12 deg/100' | 15 deg/100' |
| Pass Thru (with rotation) | 8 deg/100' | 10 deg/100' |
| Automated Steering | Hold Inclination, Hold Inclination Turn and Hold Inclination Azimuth | |
| Power Source / Operational Life | Lithium Batteries / 200 Hours | |
| Downlink | Rotary | |
| Downlink Confirmation | Real-time available with Scout and Gordon MWD | |



For more information, contact Steve Jones at Sanvean Technologies - 713-569-2187.

