

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. Vertical Scout is a cost-effective tool with high reliability and over four million feet drilled globally, and is an ideal platform to change the economics of rotary steerable systems for land-based drilling 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 was 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 are 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 North Texas, West Texas, New Mexico, Oklahoma, and Wyoming.

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 rotary steerable systems
- Can be run with Steady Torque (HFTO Isolation tool)

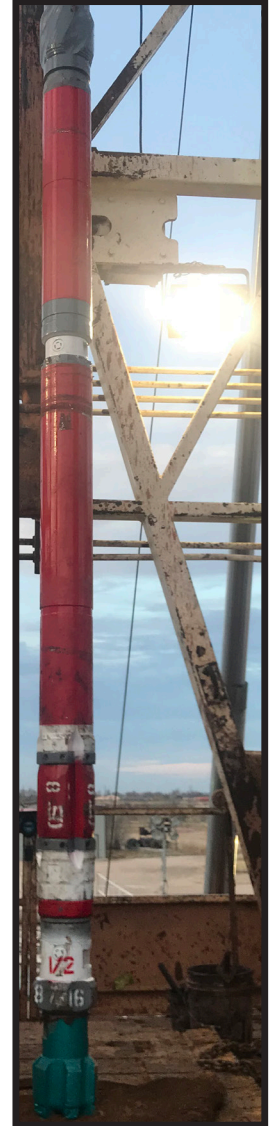
Rotary Steerable Scout[®] is available through Scout Downhole, our rental division, and from Scout Drilling Technologies, our full-service directional drilling division.



Rotary Steerable Scout® Specifications

ROTARY STEERABLE SCOUT®

Tool Size	962	712
Hole Size	12-1/4"	8-1/2" & 8-3/4"
Build Rate	0 to 3°/100'	0 to 5°/100'
Length	20.80 ft	16.20 ft.
Pad Stroke	12.06" to 13.50" (12-1/4" hole)	8.23" to 9.47" (8-1/2" Hole) 8.48" to 9.72" (8-3/4" 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	4-1/2" Reg x 4-1/2" IF or XH
Pass Thru (without rotation)	12°/100'	15°/100'
Pass Thru (with rotation)	8°/100'	10°/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.

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