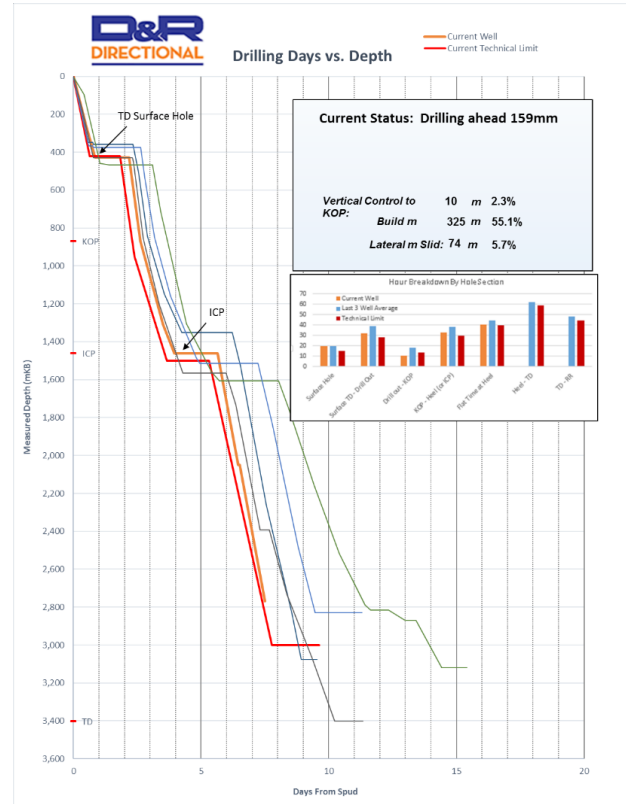


DR-OPT IN IN-HOUSE OPTIMIZATION SERVICES

D&R Directional is committed to performance by bringing an internal team to monitor, review, and report on your drilling operations. We utilize our in-house designed software to break down your drilling data into palatable segments that can be compared from well-to-well, identifying what is working and where improvements can be made.

We follow a simple concept that if we continuously beat the average on bottom time, the overall average improves as well. By setting benchmarks for each hole section, we monitor to ensure that we consistently beat the average of the last three wells. Our goal is to establish that each meter of every hole we drill is as quickly and efficiently as possible.

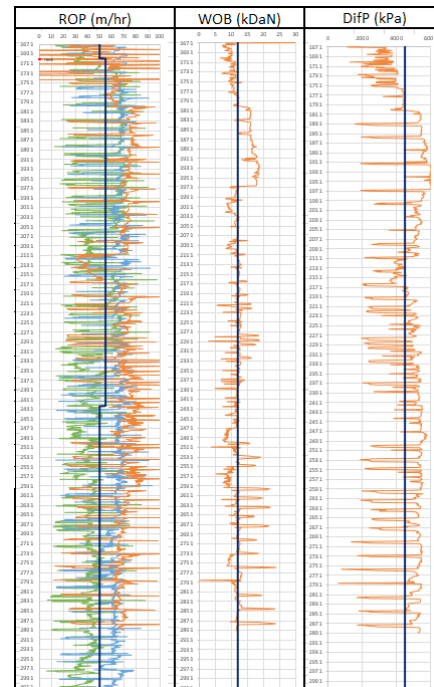
We use a stoplight coding system for each operation so that our performance is within our prescribed expectations. These alerts are reviewed each day to keep us on target in order to set new records, reduce overall drilling costs, and increase the value for you.

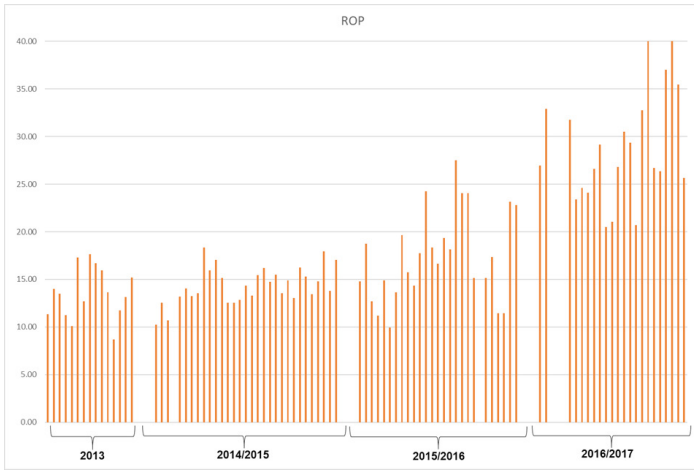


ADVANTAGES

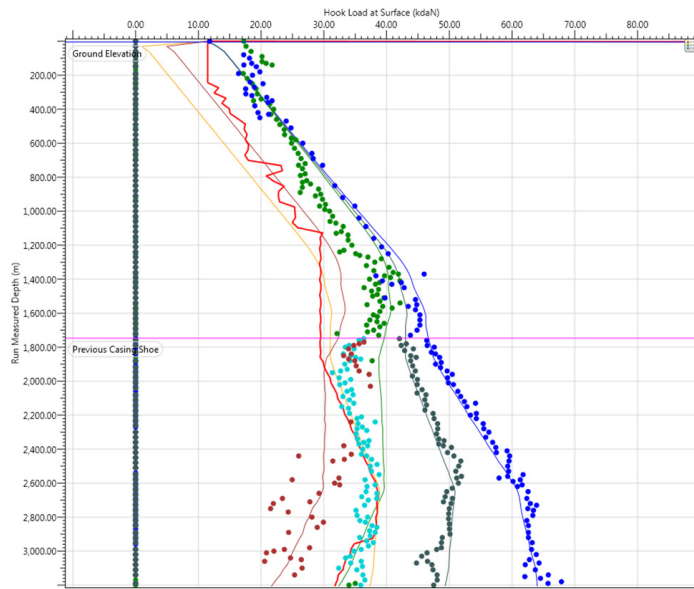
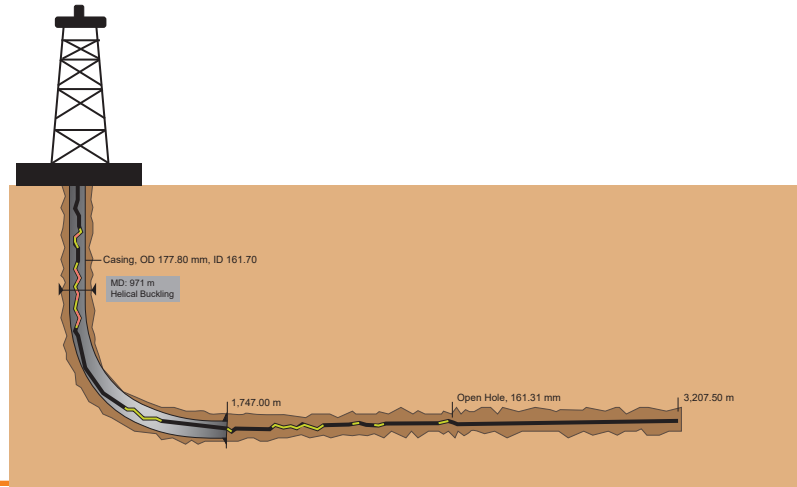
- HIGHER ON BOTTOM ROPS
- COMPREHENSIVE WELL REVIEWS INCLUDING RECOMMENDATIONS
- DETAILED SLIDING, ROTATING & OFF BOTTOM TIME ANALYSIS
- ABILITY TO TRULY EVALUATE NEW TECHNOLOGIES FOR PERFORMANCE
- TORQUE & DRAG
- DRILL STRING OPTIMIZATION

Minutes in Each Mode				Meters Slid vs Meters Rotated			
Time Slid vs Time Rotated (Today)		Time Slid vs Time Rotated (Section)		Meters Slid vs Meters Rotated (Today)		Meters Slid vs Meters Rotated (Section)	
Sliding	25%	Sliding	33%	Meters Slid	93%	Meters Slid	93%
Rotating	14%	Rotating	17%	Meters Rotated	7%	Meters Rotated	7%
Off Bottom	57%	Off Bottom	50%				
Today	Sliding 42	Rotating 80	Off Bottom 92	Today	Meters Slid 9	Meters Rotated 143	Total Meters 153
Total Section	Sliding 06:41:10	Rotating 19:35:40	Off Bottom 12:36:00	Section	Meters Slid 302	Meters Rotated 1271	Total Meters 1573
Performance Rating							
SLIDING TIME %		SLIDING ROP	OFF BOTTOM ROP	SLIDING %			
OFF BOTTOM TIME %		ROTATING ROP					

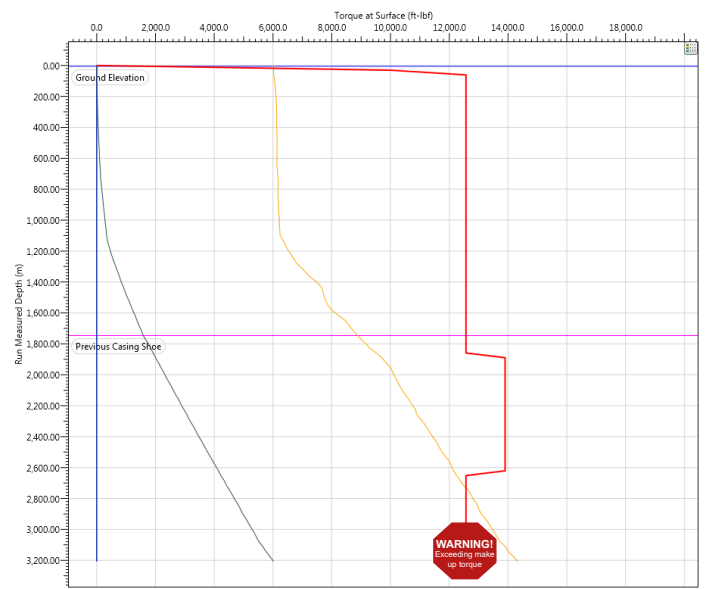




PERFORMANCE TRACKING OVER A PROJECT TO PRESENT CONTINUOUS IMPROVEMENT



TORQUE AND DRAG RESULTS THAT MAKE SENSE



IDENTIFY PROBLEMS BEFORE THEY OCCUR

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