VERTECHS HOLO<u>WELL</u>S

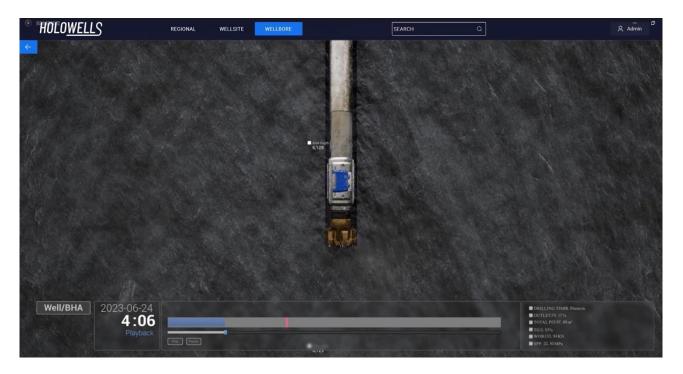
HOLOWELLS Digital Twin Well Construction Platform

Vertechs HOLOWELLS is an advanced well construction digital twin that offers exceptional collaboration and optimization for drilling operations at the rig site. Benefit from a data-driven model that seamlessly integrates all well data for real-time analytics.

BENEFITS

• Integration of Geology and Engineering

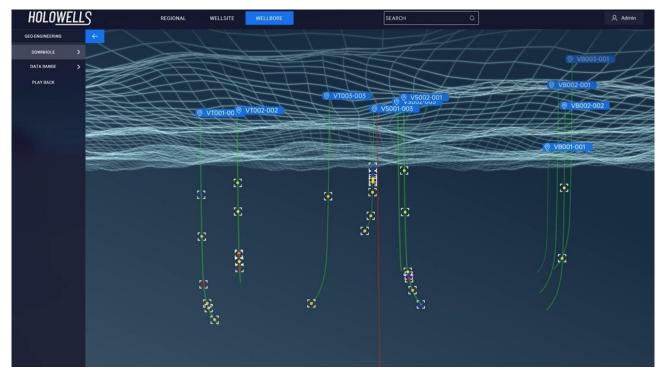
HOLOWELLS allows you to access all your geology and engineering data in a single system and integrate your workflows. From formation lithology and layer distribution to well trajectory and BHA, you can manage everything with ease. The system provides contextualized downhole visualization, which helps drilling engineers feel more confident and in control.



VERTECHS

• Multiwell Analytics Platform

HOLOWELLS has a multiwell analytics platform that provides a comprehensive view of rig data and reporting data. This multiwell analytics platform is particularly useful for drilling engineers to enhance operational performance in a more organized manner. It allows them to analyze data in a contextual manner and store the results as lessons learned or best practices.



• Rig-to-office Data Transfers

HOLOWELLS takes great care of our people and equipment on the rig site, the management team can use real-time data to evaluate the rig's state and condition, no matter where it's located.

HOLO <u>WELL</u> S	REGIONAL	WELLBORE		SEARCH	۵		ዲ Admin
REAL-TIME DATA							
VIRTUAL FUSION							
HYDRAULICS							
WELL CONTROL					REA	L-TIME DATE	×
HISTORICAL DATA	DRILLING TIME	() min/m			12.36	0.54	
	CASING SHOE		TEMP OUT		MPa	MPa	
	TG				SPP	CASING PRESSURE	
	LAG DEPTH		PUMP		PUMP 1	0 st/min	
	ROP	15 r/min			PUMP 2	● 45 st/min	
	MUD LOSS			SJT537GK	> PUMP 3	45 st/min	
	TOTAL PIT			2.36 g/cm3	DRILL BIT SIZE		10
	LAG TIME				DRILL BIT DEPTH	5249.55 m	A 600
	TORQUE	5 KN-m			WOB		A STATE OF STATE
100 M	OUTLET				WELL DEPTH	5260 m	
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APPLICATIONS

- Cost reduction
- Risk management
- Emission footprint calculation
- Team management and collaboration
- Wells with inefficient, inconsistent or unpredictable drilling performance
- Aggregation of real-time data at any wellsite from multiple sources and formats

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