



Innovations in HDD Systems Improve Productivity

Jeff Davis



What does this mean?

Advancements in Wireless Technology



THE **UNDERGROUND** UTILITIES EVENT

Underground Construction Technology | Jan. 29-31, 2019 | Fort Worth, TX

History Lesson





THE **UNDERGROUND** UTILITIES EVENT

Underground Construction Technology | Jan. 29-31, 2019 | Fort Worth, TX

Jet Trac History Lesson





THE **UNDERGROUND** UTILITIES EVENT

Underground Construction Technology | Jan. 29-31, 2019 | Fort Worth, TX

Jet Trac History Lesson





THE **UNDERGROUND** UTILITIES EVENT

Underground Construction Technology | Jan. 29-31, 2019 | Fort Worth, TX

Jet Trac History Lesson





THE **UNDERGROUND** UTILITIES EVENT

Underground Construction Technology | Jan. 29-31, 2019 | Fort Worth, TX

Jet Trac History Lesson





THE **UNDERGROUND** UTILITIES EVENT

Underground Construction Technology | Jan. 29-31, 2019 | Fort Worth, TX

2019 Wireless Technology





What made this possible?

- Wireless Remote





What are capabilities of a wireless remote?

- Mobilizing unit
- Engine RPMs
- E-stop
- Setting unit up
- Ability to have single lever control and dual lever control for the ground drive
- Putting anchors in the ground



2019 Wireless Technology

- Removed fluid pump off drilling unit
- Fluid pump has own power plant
- Use high pressure fluid hose
 - No mess when cleaning up and less time
- Wireless communication for all functions of fluid pack
- Uses CAN system with wireless technology for communication with drill
- Utilize all current mud flow controls and gauges



2019 Wireless Technology

Advantages

- Maximum utilization of available horsepower for thrust and rotation
- Increase in spindle torque
- Increase in spindle speed
- Increase in mud flow
- Allows you to do more with less
- Can be more productive



Wireless Capabilities

- Control functions on fluid trailer
- Turning fluids on/off
- Adjusting fluid flow
- Adjusting RPM of engine on trailer



Industry Trends

- In the industry today customers are always wanting to do more with less
- Customers want to take same size footprint drill and use it for more capabilities, this is the offering
- This can improve the productivity across all jobs



THE **UNDERGROUND** UTILITIES EVENT

Underground Construction Technology | Jan. 29-31, 2019 | Fort Worth, TX

Questions