RezConnect™ Well Testing System
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A complete well testing solution using wireless control of downhole drill stem test (DST) tools, measurement of well-test data in real-time, enabling realtime reservoir analysis.

Powered by DynaLink® Wireless Telemetry, the RezConnect™ system is the industry’s first system to offer full acoustic control and tool feedback of Drill Stem Testing (DST) tools.
The RezConnect™ System Unique Features

- First acoustic telemetry **controlled** DST tool system
- Get response from DST tools after command execution
- Sampling integrity is known
- Real-time communication creates flexibility to adjust the test during a DST
- Real-time data allows the operator to modify the test plan based on the communication with the reservoir
DynaLink® Telemetry System
- Acoustic telemetry system that allows real time bi-directional communication between down hole tools and the surface.

Armada® Sampling Tool
- Collects more fluid (3.6 L) from more hostile HP/HT conditions (20,000 psi at 400°F/204°C)

ProPhase™ Well Test Valve
- Telemetry controlled electrohydraulic well test valve that has the combined functionality of a tester and circulating valve.
DynaLink® Telemetry System

Control

Features
- Reliable real-time downhole network
- Serves as the real-time engine
- Efficient and effective downhole acquisition
- Simple, modular, downhole modem design

Benefits
- Reduce operating expenses
- Real-time reservoir analysis
- Assurance of data
- Effective bottomhole PVT fluid sampling
- Safety in operations
- Downhole tools diagnostics
Armada® Sampling System

Features

- Specifically designed and qualified for:
  - Extended HPHT exposure
  - Prevent Low concentration H2S adsorption
- 9 samplers activated in sets of three
- 3.6 Liter total sample collection
- Qualified to 20,000 psi at 400° F

Benefits

- Arrives at location fully assembled and pressure tested
- Successfully tested for heavy/viscous oil applications
- Real time reading of collected sample pressure
N2 Gauge

Measure

Features

- Communicates with the DynaLink telemetry system
- Carried in the Armada sampler carrier
- Monitors and records
  - common N2 pressure
  - sampler pressure from collection to surface

Benefits

- Know in realtime that samples have been collected
- Know how many samples have been collected
- Know when samples are collected
- Have insight into sample quality, gas, oil, water
ProPhase™ Well Test Valve

Control & Measure

Features
- Flexibility
  - Operated with DynaLink® or annulus pressure
- Modular plug-and-play electronic assembly
- Tool Override – by rupture disc
- Built in safety functionality
  - Ball valve will automatically close

Benefits
- Time Saving
  - Serviced on location
  - Real time data
  - Dual mode
- More control and feedback
- Simple to operate and maintain
DynaGauge

Measure

Features
- Low power consumption
- Superior data quality/stability
- Large memory capacity
- Surface readout
- High resolution and high stability even at high temperatures

Benefits
- Allows early retrieval of data for analysis and decision making
- Operates with any Halliburton DST string
- Cost effective for communicating across DST valves
- Includes option to change the real-time transmission data rate from the gauges downhole.
- Ability to collect historical data as desired
How will the RezConnect System Benefit you?

- Receive realtime, accurate data
- Make critical operational decisions during the well testing operation
- Minimize applied annulus pressure
  - Reduced operational risks
  - Reduced ranges of rupture disks
  - Potentially lower casing pressure test
- Safer Well Test
  - Reduces trips in hole, creating more control over the actions in the well and allowing monitoring for changes in pressure.
- This solution will reduce the time spent on the well making it a cost saving solution for the Operator.
Where it Will Work

- Deepwater
- Harsh Environments
- Jackups
- Land
Challenges Addressed

Deepwater Operations
The RezConnect™ System - Wireless DST

**CHALLENGE:**
- Down hole status of exploration well
- 7,053ft Water Depth, 17,600 ft Well Depth

**SOLUTION:**
- RezConnect™ Well Testing System

**RESULT:**
- Completed the FIRST fully acoustic telemetry control DST
- Customer benefits - 5 Days of Rig Time
  - Enhanced flexibility, Control and Increased Efficiency
Who to Contact, Where to get more information

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