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Introduction



Marnie Tosh

Senior
Measurement for
Apache Corporation

- Apache Corporation, an independent energy company, explores for, develops, and produces natural gas, crude oil, and natural gas liquids
 - Six field offices
 - Two measurement foreman and ten meter technicians
 - More than 1,400 producing wells
 - Over 1,200 active meters in CygNet Measurement

Introduction



Jacob Allred

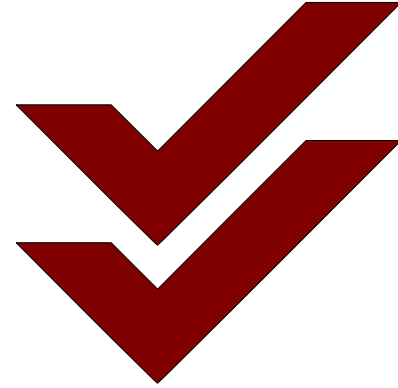
Product Line
Manager and
CygNet Support
Manager for
Weatherford Intl.

- CygNet SCADA and CygNet Measurement
- Supporting, Training, Building, Solving
- 10+ years experience

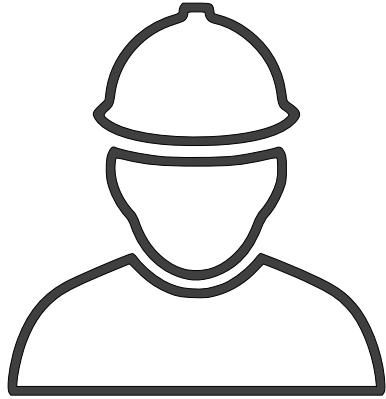


CygNet Measurement

What is Dispatch?



What is Dispatch



Field Activity



Schedule



Activity



Process

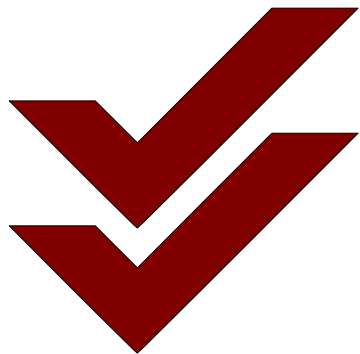


CygNet Measurement

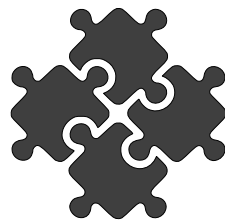
Dispatch Feature Review



Dispatch Features



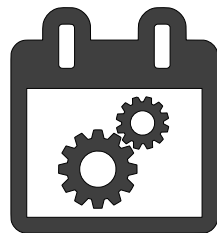
Features



Integrated

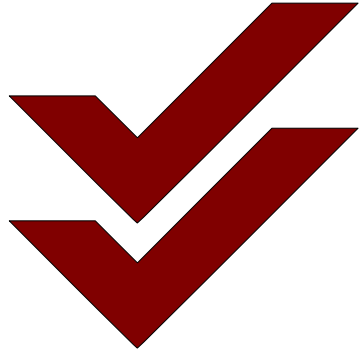


Excel

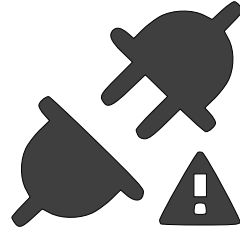


Scheduler

Dispatch Features



Features



Offline



Approval

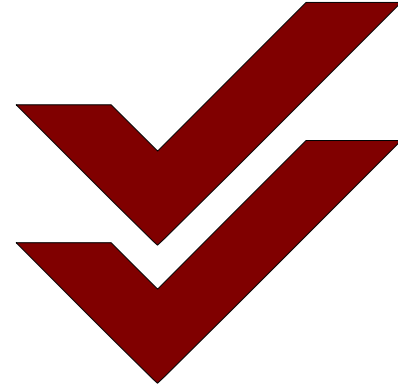


Office



Apache

Deploying Dispatch





Apache – Weatherford Relationship

CygNet Measurement

- Product startup in 2013
- Single FMS service, now six site in the mid-con region
- Development and customization of the system to fit Apache's needs

Weatherford Support

- Training
 - Off-site classes
 - On-site support
- Help files
 - Extensive information within the programs
- Support desk
 - Quick response times



Dispatch

Carly Fiorina,
former president
Hewlett-Packard -

“The goal is to turn
data into
information, and
information into
insight.”

- Goals
 - Streamline processes
 - Create central database
 - Put data to work
- Apache’s Review
 - On-site training
 - Product testing



Dispatch

Disadvantages

- Initial database cannot be pre-populated
- Single FMS service access at a time

Advantages

- Ease of startup
- Schedule functions
 - Planning
 - Manager view
 - Ad-hoc job tool
- Approval process
- Data centralization
- Customizable reporting

Sample Report (1)



Calibration Report

Meter ID					Date & Time					
Meter Name						Meter Type				
Meter Data										
Meter Make	Meter Model		Meter Serial #		Tube Serial #		Tube ID	Fitting Serial #		
Fitting Type	DP Zero Cutoff		Contract Hour	Battery Date	Calibrated Ranges		Pressure	Differential	Temp	
Static Connection										
Base Conditions										
Base Pressure (psia)			Absolute Atmos. (psia)				Base Temp (°F)			
Meter Flowing Information										
Today's Flow Rate - Before / After			Prev. Day Volume		Zero @ line pressure - Found / Left			Volts - Batt. / Charger		
Static Pressure (psia)	As Found	As Left	Differential Pressure (inH2O)	As Found	As Left	Temp (°F)	As Found	As Left		
Meter Tube & Orifice Plate Inspection						Gas Sample Information				
Leak Test Good?			Plate Edge Sharp?			Sample Procured?	No			
Liquids or Buildup?			Plate Flat?			Sample Date				
Plate Mic'd?			Seal Ring Condition			Sample Bottle ID				
Plate Clean?			Seal Ring Replaced?			Test Pressure				
Orifice Plate Assesment	Plate Size in RTU					Test Temp				
	Plate Size Found					H ₂ S (PPM)				
	Plate Size Left					H ₂ S Tested By				

Sample Report (2)

Static Pressure Calibration (psia)					Differential Pressure Calibration (inH ₂ O)				
Test Standard	Pressure As Found	Pressure As Left	Pressure Δ	% Error	% Error	Differential Δ	Test Standard	Differential As Found	Differential As Left
Average Static Pressure Calibration Error				-	-	Average Differential Pressure Calibration Error			
Temperature Calibration (°F)			RTD Installed?		Meter Calibration Error Summary				
Test Standard	Temp As Found	Temp As Left	Temp Δ	% Error	PPA Necessary?				No
					Total Meter % Error				-
					Static Pressure Calibration				-
					Temperature Calibration				-
					Differential Pressure Calibration				-
REMARKS									
JSA									
Technician					Company	Apache Corporation			
Witness					Company				

Where Apache is now

- Preparation for launch
 - Node cleanup
 - Linking meters
 - Schedule planning & assignment
- Notable experience
 - Previous use of third-party software
 - Dispatch convenience



User Acceptance

CygNet Dispatch

provides scheduling, tracking, and reporting features to integrate data from jobs in the field, such as calibration and inspection results, with your measurement data.

- Field technicians
 - User-friendliness
 - Condensed work sources
 - Reduction in paperwork
 - Ease of field use
 - Offline
 - Data Sync
- Support staff
 - Integration of field activities
 - Data quality
 - Improved use of time
- Managers
 - Modernize processes
 - Efficient tracking



CygNet Measurement

Dispatch Demo

