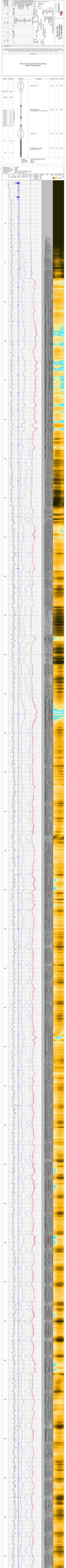
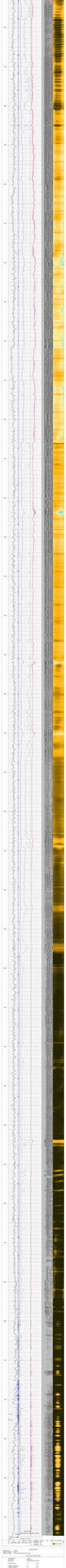

Tank Tie-ins using Tanker Energy Services
Tidewater Energy Rig 208


Gamma Ray
Caliper
Resistivity
Density
Neutron
Sonic
Photoelectric
Porosity
Lithology
Fluid Saturation
Permeability
Pressure
Temperature
Mud Weight
Drilling Parameters
Wireline Logs
Logging While Drilling
Measurement While Drilling
Formation Evaluation
Reservoir Characterization
Petrophysical Analysis
Geological Interpretation
Well Log Correlation
Depth Control
Data Acquisition
Data Processing
Data Interpretation
Quality Control
Environmental Corrections
Borehole Conditions
Mud Properties
Tool Specifications
Calibration
Normalization
Depth Matching
Log Quality
Data Gaps
Anomalies
Trends
Cross-Plots
Histograms
Statistical Analysis
Uncertainty Analysis
Sensitivity Analysis
Error Analysis
Confidence Intervals
Reservoir Properties
Hydrocarbon Indicators
Water Saturation
Oil Saturation
Gas Saturation
Net Pay
Gross Pay
Reservoir Thickness
Porosity Exponent
Cementation Exponent
Archie Equation
Shaly Sand Models
Dual Water Model
Waxman-Smits Model
Simandoux Model
Indonesia Model
Fluid Contacts
Gas-Oil Contact
Oil-Water Contact
Gas-Water Contact
Transition Zone
Capillary Pressure
Relative Permeability
Wettability
Interfacial Tension
Surface Tension
Viscosity
Density
Compressibility
Formation Volume Factor
Solution Gas-Oil Ratio
Bubble Point Pressure
Dew Point Pressure
Reservoir Pressure
Pore Pressure
Fracture Pressure
Overburden Pressure
Hydrostatic Pressure
Geothermal Gradient
Bottom Hole Temperature
Surface Temperature
Mud Temperature
Mud Resistivity
Mud Filtrate
Mud Cake
Invasion Profile
Flushed Zone
Transition Zone
Uninvaded Zone
Borehole Size
Hole Enlargement
Washout
Mudcake Thickness
Standoff
Eccentering
Tool Response
Vertical Resolution
Depth of Investigation
Shoulder Bed Effects
Thin Bed Analysis
Laminated Sand Analysis
Dispersed Shale
Structural Shale
Clay Minerals
Kaolinite
Illite
Smectite
Chlorite
Mixed-Layer Clays
Clay Volume
Shale Volume
Quartz
Feldspar
Calcite
Dolomite
Anhydrite
Gypsum
Halite
Pyrite
Siderite
Ankerite
Glauconite
Mica
Heavy Minerals
Matrix Density
Matrix Velocity
Matrix Porosity
Secondary Porosity
Vuggy Porosity
Fracture Porosity
Intergranular Porosity
Intercrystalline Porosity
Moldic Porosity
Connected Porosity
Isolated Porosity
Effective Porosity
Total Porosity
Permeability Anisotropy
Horizontal Permeability
Vertical Permeability
Klinkenberg Correction
Gas Slippage
Darcy Flow
Non-Darcy Flow
Reynolds Number
Pressure Drawdown
Pressure Buildup
Skin Factor
Wellbore Storage
Radius of Investigation
Drainage Area
Well Spacing
Reservoir Boundaries
Sealing Faults
Leaky Faults
Aquifer Support
Water Influx
Material Balance
Decline Curve Analysis
Production Forecasting
Recovery Factor
Ultimate Recovery
Cumulative Production
Initial Production
Peak Production
Abandonment Pressure
Economic Limit
Net Present Value
Discounted Cash Flow
Internal Rate of Return
Payout Time
Capital Expenditure
Operating Expenditure
Lease Operating Expense
Royalty
Taxes
Working Interest
Net Revenue Interest
Joint Venture
Farmout
Farmin
Unitization
Pooling
Regulatory Compliance
Permitting
Environmental Impact
Reclamation
Plugging and Abandonment
Site Restoration
Public Relations
Community Engagement
Safety
Training
Emergency Response
Risk Assessment
Hazard Identification
Incident Investigation
Lessons Learned
Best Practices
Standard Operating Procedures
Quality Assurance
Quality Control
Audit
Inspection
Maintenance
Repair
Replacement
Upgrade
Modification
Retrofit
Decommissioning
Abandonment
Site Closure
Post-Closure Monitoring
Long-Term Stewardship
Liability
Insurance
Bonding
Financial Assurance
Corporate Social Responsibility
Sustainability
Climate Change
Greenhouse Gas Emissions
Carbon Footprint
Carbon Offsets
Renewable Energy
Energy Efficiency
Conservation
Biodiversity
Habitat Restoration
Water Management
Waste Management
Recycling
Pollution Prevention
Air Quality
Water Quality
Soil Quality
Noise Pollution
Light Pollution
Visual Impact
Cultural Heritage
Archaeological Resources
Historical Resources
Traditional Knowledge
Indigenous Rights
Stakeholder Engagement
Public Consultation
Transparency
Accountability
Ethics
Corporate Governance
Board of Directors
Executive Management
Shareholders
Investors
Analysts
Media
Government
Regulators
Industry Associations
Professional Organizations
Academic Institutions
Research and Development
Innovation
Technology
Digitalization
Automation
Artificial Intelligence
Machine Learning
Big Data
Cloud Computing
Cybersecurity
Data Privacy
Intellectual Property
Patents
Trademarks
Copyrights
Trade Secrets
Licensing
Partnerships
Alliances
Mergers and Acquisitions
Divestitures
Spin-offs
Initial Public Offering
Secondary Offering
Debt Financing
Equity Financing
Hybrid Financing
Credit Rating
Interest Rate
Exchange Rate
Commodity Price
Oil Price
Gas Price
Coal Price
Electricity Price
Carbon Price
Supply and Demand
Market Analysis
Competitive Analysis
Strategic Planning
Business Development
Marketing
Sales
Customer Relations
Supply Chain Management
Procurement
Logistics
Transportation
Storage
Distribution
Retail
Wholesale
Trading
Hedging
Risk Management
Insurance
Legal
Contracts
Negotiations
Arbitration
Litigation
Dispute Resolution
Compliance
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Government Relations
Public Affairs
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Media Relations
Investor Relations
Shareholder Relations
Corporate Secretary
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Industrial Hygiene
Ergonomics
Fitness for Duty
Substance Abuse
Mental Health
Employee Assistance Program
Workplace Violence
Harassment
Discrimination
Whistleblower Protection
Ethics and Compliance
Code of Conduct
Anti-Bribery
Anti-Corruption
Conflict of Interest
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Political Contributions
Lobbying
Trade Associations
Industry Standards
Certifications
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Recognition
Reputation
Brand
Marketing
Advertising
Public Relations
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Disaster Recovery
Emergency Preparedness
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Physical Security
Cybersecurity
Information Security
Data Privacy
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Joint Venture Agreements
Shareholder Agreements

Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	Base	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	115.403	ft

Master Calibration, performed Tue Feb 18 08:12:59 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.012	0.924	0.000	62.200	65.890	-0.778
CAL	0.012	1.008				
5'	0.012	0.970	0.000	62.200	64.944	-0.787
SUM						
S1	0.012	1.028	0.000	100.000	75.984	-0.516
S2	0.012	0.941	0.000	100.000	73.201	-0.452
S3	0.012	0.845	0.000	100.000	77.258	-0.514
S4	0.012	0.807	0.000	100.000	83.974	-0.600
S5	0.012	0.822	0.000	100.000	86.277	-0.640
S6	0.012	0.879	0.000	100.000	88.111	-0.655
S7	0.012	0.989	0.000	100.000	85.776	-0.494
S8	0.012	1.030	0.000	100.000	79.181	-0.530

Internal Reference Calibration, performed Tue Nov 21 12:42:07 2006:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.998	1.000	0.000

Air Zero Calibration, performed Thu Apr 24 09:23:40 2008:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000