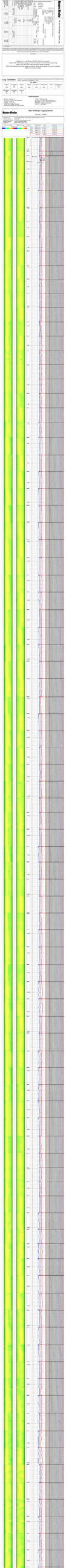
Depth
Time
Gamma Ray
Resistivity
Density
Neutron
Sonic
Caliper
Bit Size
Mud Weight
Viscosity
Fluid Loss
pH
Chlorides
Hardness
Calcium
Magnesium
Sand
Shale
Limestone
Dolomite
Anhydrite
Coal
Salt
Porosity
Permeability
Water Saturation
Oil Saturation
Gas Saturation
Lithology
Fluid Type
Drilling Rate
Weight on Bit
Rotary Speed
Torque
Pump Pressure
Flow Rate
Total Gas
Connection Gas
Trip Gas
Background Gas
Chromatography
Wireline Log
Mud Log
Core Data
Drill Stem Test
Formation Tops
Casing Points
Mud Losses
Gas Shows
Oil Shows
Stratigraphy
Structure
Sedimentology
Remarks
Comments
Interpretation
Geology
Engineering
Mud Logging
Wireline Logging
Core Analysis
Reservoir Engineering
Petrophysics
Geochemistry
Paleontology
Environmental
Safety
Operations
Summary
Conclusions
Recommendations
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Codes
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Procedures
Methods
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Videos
Audio
Text
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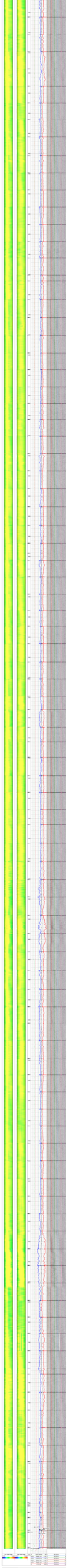
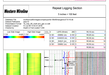
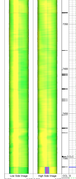
Times
Locations
Coordinates
Elevations
Depths
Thicknesses
Volumes
Rates
Pressures
Temperatures
Densities
Viscosities
Concentrations
Percentages
Ratios
Statistics
Trends
Anomalies
Interpretations







1.000	1000.0 (ms)	0.00 (°)	90.00 (ft)
0.750	750.0 (ms)	0.00 (°)	90.00 (ft)
0.500	500.0 (ms)	0.00 (°)	90.00 (ft)
0.250	250.0 (ms)	0.00 (°)	90.00 (ft)
0.000	0.0 (ms)	0.00 (°)	90.00 (ft)

Low Scale Image | High Scale Image

9 5/8 40# Down Hole Static Time Drive

Time Driven @ 60 Feet MD

Western Wireline

Company No.	Southern California Gas Company
Shipping Instructions	Pico 561
Prepared By/Unit No.	Mike Pacent
Client Rep.	Jeff Hamilton
Comments	Calibration

Country: U.S.A.

1.000	1000.0 (ms)	0.00 (°)	90.00 (ft)
0.750	750.0 (ms)	0.00 (°)	90.00 (ft)
0.500	500.0 (ms)	0.00 (°)	90.00 (ft)
0.250	250.0 (ms)	0.00 (°)	90.00 (ft)
0.000	0.0 (ms)	0.00 (°)	90.00 (ft)

Low Scale Image | High Scale Image

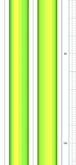
9.625 40# Casing Surface Check For GC

Time Driven

Western Wireline

Company No.	Southern California Gas Company
Shipping Instructions	Pico 561
Prepared By/Unit No.	Mike Pacent
Client Rep.	Jeff Hamilton
Comments	Time Lapse Without

Country: U.S.A.



1.000	1000.0 (ms)	0.00 (°)	90.00 (ft)
0.750	750.0 (ms)	0.00 (°)	90.00 (ft)
0.500	500.0 (ms)	0.00 (°)	90.00 (ft)
0.250	250.0 (ms)	0.00 (°)	90.00 (ft)
0.000	0.0 (ms)	0.00 (°)	90.00 (ft)

Low Scale Image | High Scale Image

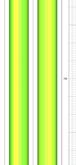
Pre Job Verification In 9" Calibration Ring

Time Driven

Western Wireline

Company No.	Southern California Gas Company
Shipping Instructions	Pico 561
Prepared By/Unit No.	Mike Pacent
Client Rep.	Jeff Hamilton
Comments	Time Lapse Without

Country: U.S.A.



1.000	1000.0 (ms)	0.00 (°)	90.00 (ft)
0.750	750.0 (ms)	0.00 (°)	90.00 (ft)
0.500	500.0 (ms)	0.00 (°)	90.00 (ft)
0.250	250.0 (ms)	0.00 (°)	90.00 (ft)
0.000	0.0 (ms)	0.00 (°)	90.00 (ft)

Low Scale Image | High Scale Image

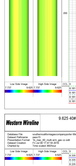
Post Job Verification In 9" Calibration Ring

Time Driven

Western Wireline

Company No.	Southern California Gas Company
Shipping Instructions	Pico 561
Prepared By/Unit No.	Mike Pacent
Client Rep.	Jeff Hamilton
Comments	Time Lapse Without

Country: U.S.A.



1.000	1000.0 (ms)	0.00 (°)	90.00 (ft)
0.750	750.0 (ms)	0.00 (°)	90.00 (ft)
0.500	500.0 (ms)	0.00 (°)	90.00 (ft)
0.250	250.0 (ms)	0.00 (°)	90.00 (ft)
0.000	0.0 (ms)	0.00 (°)	90.00 (ft)

Low Scale Image | High Scale Image

Calibration Report

Company No. Southern California Gas Company Date 10:18:28 AM

Shipping Instructions Pico 561 Operator Mike Pacent

Prepared By/Unit No. Mike Pacent Client Rep. Jeff Hamilton

Comments Calibration

Tool Type/Model 40 Arm

Tool Serial No. 40_ARM

Date/Time 2/1/2017 10:18:28 AM

Well ID 0.00 0.00 0.00 9.00 in

Arm				
Arm1	2.30	2.30	0.00	4.60
Arm2	2.30	2.30	0.00	4.60
Arm3	2.30	2.30	0.00	4.60
Arm4	2.30	2.30	0.00	4.60
Arm5	2.30	2.30	0.00	4.60
Arm6	2.30	2.30	0.00	4.60
Arm7	2.30	2.30	0.00	4.60
Arm8	2.30	2.30	0.00	4.60
Arm9	2.30	2.30	0.00	4.60
Arm10	2.30	2.30	0.00	4.60
Arm11	2.30	2.30	0.00	4.60
Arm12	2.30	2.30	0.00	4.60
Arm13	2.30	2.30	0.00	4.60
Arm14	2.30	2.30	0.00	4.60
Arm15	2.30	2.30	0.00	4.60
Arm16	2.30	2.30	0.00	4.60
Arm17	2.30	2.30	0.00	4.60
Arm18	2.30	2.30	0.00	4.60
Arm19	2.30	2.30	0.00	4.60
Arm20	2.30	2.30	0.00	4.60
Arm21	2.30	2.30	0.00	4.60
Arm22	2.30	2.30	0.00	4.60
Arm23	2.30	2.30	0.00	4.60
Arm24	2.30	2.30	0.00	4.60
Arm25	2.30	2.30	0.00	4.60
Arm26	2.30	2.30	0.00	4.60
Arm27	2.30	2.30	0.00	4.60
Arm28	2.30	2.30	0.00	4.60
Arm29	2.30	2.30	0.00	4.60
Arm30	2.30	2.30	0.00	4.60
Arm31	2.30	2.30	0.00	4.60
Arm32	2.30	2.30	0.00	4.60
Arm33	2.30	2.30	0.00	4.60
Arm34	2.30	2.30	0.00	4.60
Arm35	2.30	2.30	0.00	4.60
Arm36	2.30	2.30	0.00	4.60
Arm37	2.30	2.30	0.00	4.60
Arm38	2.30	2.30	0.00	4.60
Arm39	2.30	2.30	0.00	4.60
Arm40	2.30	2.30	0.00	4.60

* Bad

Ref ID	0.00	0.00	0.00	9.00	in
Arm1	2.30	2.30	0.00	4.60	
Arm2	2.30	2.30	0.00	4.60	
Arm3	2.30	2.30	0.00	4.60	
Arm4	2.30	2.30	0.00	4.60	
Arm5	2.30	2.30	0.00	4.60	
Arm6	2.30	2.30	0.00	4.60	
Arm7	2.30	2.30	0.00	4.60	
Arm8	2.30	2.30	0.00	4.60	
Arm9	2.30	2.30	0.00	4.60	
Arm10	2.30	2.30	0.00	4.60	
Arm11	2.30	2.30	0.00	4.60	
Arm12	2.30	2.30	0.00	4.60	
Arm13	2.30	2.30	0.00	4.60	
Arm14	2.30	2.30	0.00	4.60	
Arm15	2.30	2.30	0.00	4.60	
Arm16	2.30	2.30	0.00	4.60	
Arm17	2.30	2.30	0.00	4.60	
Arm18	2.30	2.30	0.00	4.60	
Arm19	2.30	2.30	0.00	4.60	
Arm20	2.30	2.30	0.00	4.60	
Arm21	2.30	2.30	0.00	4.60	
Arm22	2.30	2.30	0.00	4.60	
Arm23	2.30	2.30	0.00	4.60	
Arm24	2.30	2.30	0.00	4.60	
Arm25	2.30	2.30	0.00	4.60	
Arm26	2.30	2.30	0.00	4.60	
Arm27	2.30	2.30	0.00	4.60	
Arm28	2.30	2.30	0.00	4.60	
Arm29	2.30	2.30	0.00	4.60	
Arm30	2.30	2.30	0.00	4.60	
Arm31	2.30	2.30	0.00	4.60	
Arm32	2.30	2.30	0.00	4.60	
Arm33	2.30	2.30	0.00	4.60	
Arm34	2.30	2.30	0.00	4.60	
Arm35	2.30	2.30	0.00	4.60	
Arm36	2.30	2.30	0.00	4.60	
Arm37	2.30	2.30	0.00	4.60	
Arm38	2.30	2.30	0.00	4.60	
Arm39	2.30	2.30	0.00	4.60	
Arm40	2.30	2.30	0.00	4.60	

* Bad

PROBE Calibration Calibration Report

Shipping Instructions Pico 561 Operator Mike Pacent

Prepared By/Unit No. Mike Pacent Client Rep. Jeff Hamilton

Comments Calibration Tool Type/Model PROBE

Tool Serial No. 40_ARM Date/Time 2/1/2017 10:18:28 AM

Well ID	0.00	0.00	0.00	in
Min	2.30	2.30	0.00	in
Max	2.30	2.30	0.00	in
Avg	2.30	2.30	0.00	in
Arm1	2.30	2.30	0.00	in
Arm2	2.30	2.30	0.00	in
Arm3	2.30	2.30	0.00	in
Arm4	2.30	2.30	0.00	in
Arm5	2.30	2.30	0.00	in
Arm6	2.30	2.30	0.00	in
Arm7	2.30	2.30	0.00	in
Arm8	2.30	2.30	0.00	in
Arm9	2.30	2.30	0.00	in
Arm10	2.30	2.30	0.00	in
Arm11	2.30	2.30	0.00	in
Arm12	2.30	2.30	0.00	in
Arm13	2.30	2.30	0.00	in
Arm14	2.30	2.30	0.00	in
Arm15	2.30	2.30	0.00	in
Arm16	2.30	2.30	0.00	in
Arm17	2.30	2.30	0.00	in
Arm18	2.30	2.30	0.00	in
Arm19	2.30	2.30	0.00	in
Arm20	2.30	2.30	0.00	in
Arm21	2.30	2.30	0.00	in
Arm22	2.30	2.30	0.00	in
Arm23	2.30	2.30	0.00	in
Arm24	2.30	2.30	0.00	in
Arm25	2.30	2.30	0.00	in
Arm26	2.30	2.30	0.00	in
Arm27	2.30	2.30	0.00	in
Arm28	2.30	2.30	0.00	in
Arm29	2.30	2.30	0.00	in
Arm30	2.30	2.30	0.00	in
Arm31	2.30	2.30	0.00	in
Arm32	2.30	2.30	0.00	in
Arm33	2.30	2.30	0.00	in
Arm34	2.30	2.30	0.00	in
Arm35	2.30	2.30	0.00	in
Arm36	2.30	2.30	0.00	in
Arm37	2.30	2.30	0.00	in
Arm38	2.30	2.30	0.00	in
Arm39	2.30	2.30	0.00	in
Arm40	2.30	2.30	0.00	in

Instrumentation Calibration Report

Parameter	Zero Reference		Span Reference		
	Low Read	High Read	Low Ref	High Ref	
A Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CAB CENTER Cable Head Assembly	1.00	1.69	5.00
			CENTA TROM Cal Sonde Assembly	2.92	3.75	40.00
			Probe, MFC/SL MC, MAC, CT CARE Probe Electronics	6.00	3.62	
MCCS MCCS MCCS	7.08 7.58 8.08					
CCSAT	9.16					
Relay	9.33					
			CENTA TROM Cal Sonde Assembly	2.92	3.75	40.00

Station Total Depth Logger Total Depth Log Interval

CLIENT CONFIDENTIAL Southern California Gas Company Pico 561 Mike Pacent Jeff Hamilton Calibration

Country: U.S.A.