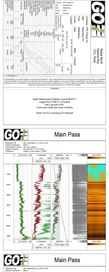
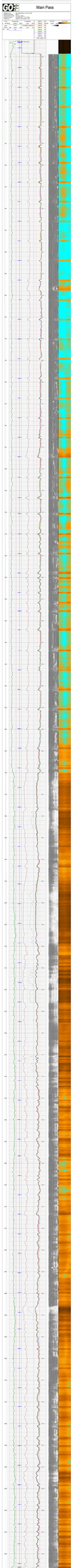
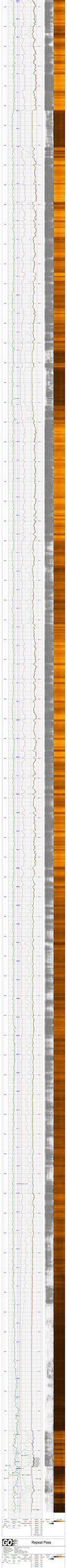

Cased Hole Gamma Ray and Neutron
Main Pass
Main Pass

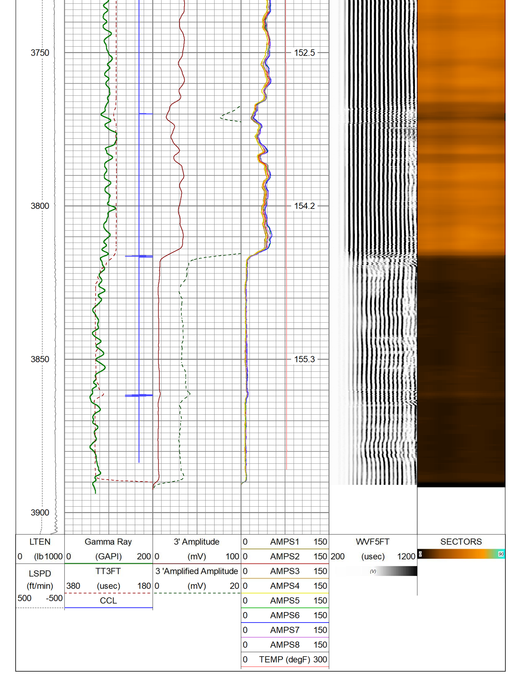




Depth Shift:	-0.5 ft	Casing:	7"
Logged:	2-Jun-2011	Bit Size:	6.125"
Max Deviation:	90.1°	Fluid Type:	Water
Max Dogleg:	12.0°/100ft	Fluid Density:	8.4 ppg
Max Temp:	250°F	Fluid Level:	Full

GDF Repeat Pass

Gamma Ray
Caliper
Bit Size
Resistivity
Deep Resistivity
Shallow Resistivity
Temperature
Spontaneous Potential
Neutron Porosity
Density
Photoelectric Factor
Delta-T Compressional
Delta-T Shear
Acoustic Impedance
Vp/Vs Ratio
Poisson's Ratio
Bulk Modulus
Shear Modulus
Young's Modulus
Lambda-Rho
Mu-Rho
Vp
Vs
Vp/Vs
Dynamic Porosity
Dynamic Density
Dynamic Porosity
Dynamic Density
Dynamic Porosity
Dynamic Density



Sensor	Offset (ft)	Description	Length (ft)	O.D. (in)	Weight (lb)
		Cable Head-Titan_144 '1 7/16" Titan Cable Head	1.03	1.44	2.00
CCL	23.29	CCL-275CCL_6MAG (275CCL_6MAG_Base) '050-CC275-0100 (6 MAG CCL SGL PIN)	2.72	2.75	
		CENT-Overbody	2.00	4.50	3.00
TEMP	19.40				
		PROBE-RBT-DIGITAL-RBL-DCT (1411-220) 'Probe 2 3/4" Radli Bond with Temp-Corrosion Package	9.21	2.75	105.00
WVFS8	17.10				
WVFS7	17.10				
WVFS6	17.10				
WVFS5	17.10				
WVFS4	17.10				
WVFS3	17.10				
WVFS2	17.10				
WVFS1	17.10				
WVFCAL	17.10				
WVF3FT	17.10				
WVF5FT	16.10				
CCL$2	12.04				
DCCL	12.04	PROBE-GR/DCCL-275 Probe GCT (2107026) 'Probe 2 3/4" Gamma Ray/Temp/CCL 6 Pin	4.75	2.75	60.00
CCL$1	12.04				
GCT_TEMP	11.25	CENT-Overbody	2.00	4.50	3.00
GR	10.66				
		CNT-CNT275-BL (120509) 'CNT 2.75" Bottom Load	5.00	2.75	76.00
CNLSC	4.94				
CNSSC	4.53				
		CENT-BC275-0000 'Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
		Bullnose-PROBE 'Probe Go Pin Pressure Cap	0.33	1.38	1.00

Schematic

Dataset: pdc_steamboat_1n_rcbl_cnl.db: field/well/run1/Main.1
Total length: 25.87 ft
Total weight: 274.00 lb
O.D.: 4.50 in

Calibration Report

Database File pdc_steamboat_1n_rcbl_cnl.db
Dataset Pathname Main.1
Dataset Creation Sun Mar 26 21:17:47 2023

Compensated Neutron Calibration Report

Model: CNT - CNT275-BL
Serial Number: 120509

SHOP CALIBRATION Mon Jan 23 10:22:44 2023

	Cal Tube	Units
Tank Ratio	6.9749	SS/LS
LS Detector	325.83	cps
SS Detector	2435.16	cps
Tool Ratio	7.4738	SS/LS
Tool Gain	0.9333	----

PRE-SURVEY VERIFICATION

SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

POST-SURVEY VERIFICATION

SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

Gamma Ray Calibration Report

Serial Number: 2107026
Tool Model: 275 Probe GCT
Performed: Wed Sep 21 08:38:08 2022

Calibrator Value: 200.0 GAPI

Background Reading: 43.9 cps
Calibrator Reading: 269.1 cps

Sensitivity: 0.8881 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 1411-220
Tool Model: RBL-DCT

Calibration Casing Diameter: 5.500 in
Calibration Depth: 43.975 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	0.483	0.500	71.921	147.999	0.411
CAL	0.777	0.765				
5'	-0.001	0.484	0.500	71.921	147.444	0.581
SUM						
S1	-0.006	0.472	0.000	100.000	209.371	1.170
S2	-0.032	0.481	0.000	100.000	194.753	6.271
S3	-0.035	0.519	0.000	100.000	180.751	6.268
S4	-0.025	0.538	0.000	100.000	177.607	4.368
S5	-0.035	0.555	0.000	100.000	169.686	5.904
S6	-0.037	0.544	0.000	100.000	172.223	6.322
S7	-0.033	0.529	0.000	100.000	177.860	5.931
S8	-0.031	0.502	0.000	100.000	187.728	5.759

Air Zero Calibration, performed Thu Mar 23 08:03:03 2023:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.002	0.000	0.001
5'	0.006	0.000	-0.001
SUM			
S1	-0.002	0.000	0.000
S2	0.002	0.000	-0.000
S3	0.003	0.000	-0.000
S4	0.002	0.000	0.000
S5	0.002	0.000	-0.000
S6	0.002	0.000	0.000
S7	0.002	0.000	0.000
S8	0.002	0.000	0.000

Temperature Calibration Report

Serial Number: 1411-220
Tool Model: RBL-DCT
Performed: Fri Mar 3 13:46:04 2023

	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF

Gain: 0.90
Offset: 0.00
Delta Spacing 1

GO WIRELINE LLC

Company PDC Energy
Well Steamboat 1N
Field Wattenberg
County Weld
State Colorado