CEMENT BOND LOG / CCL / GAMMA RAY

Company SWEVCO
Well THOMAS #5
Field WILDCAT
County MESA
State COLORADO

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Well THOMAS #5
Field WILDCAT
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Location: API #: 05-077-10161
SHL: 3173' FSL & 0847' FEL
SEC 4 TWP 9S RGE 104W

Other Services
3.756" GR/JB

Permanent Datum GROUND LEVEL Elevation 4938 FT
Log Measured From K.B.
Drilling Measured From KELLY BUSHING @ 10 FT AGL

Elevation
K.B. 4948 FT
D.F. 4948 FT
G.L. 4938 FT

Date	15-MAY-2012
Run Number	ONE
Depth Driller	3150 FT
Depth Logger	2932 FT
Bottom Logged interval	2932 FT
Top Log Interval	SURFACE
Open Hole Size	8.750"
Type Fluid	WATER
Density / Viscosity	8.3# GAL
Max. Recorded Temp.	N/A
Estimated Cement Top	1420 FT
Time Well Ready	11:00
Time Logger on Bottom	12:30
Equipment Number	14098
Location	GRAND JUNCTION
Recorded By	R. HALL
Witnessed By	R. SMITH

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.5"	10.5#	SURFACE	3050'
Liner				

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All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and shall not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Remarks: Rig: 15052 Prints: 3 Service Order # 190810
LOG CORRELATED TO WEATHERFORD TRIPLE COMBO LOG DATED 9-MAR-2012
YOUR CREW OF J. HONE & D. WILLIAMS THANKS YOU

BHT		EQUIPMENT DATA			
Bit Size		Run No	Tool Type	Tool No	Other
Surface Pressure					
Shut In					

MAIN PASS

Database File: 190810.db
Dataset Pathname: pass4
Presentation Format: 3x5cbl
Dataset Creation: Tue May 15 12:21:32 2012 by Log Weatherford Casedho
Charted by: Depth in Feet scaled 1:240

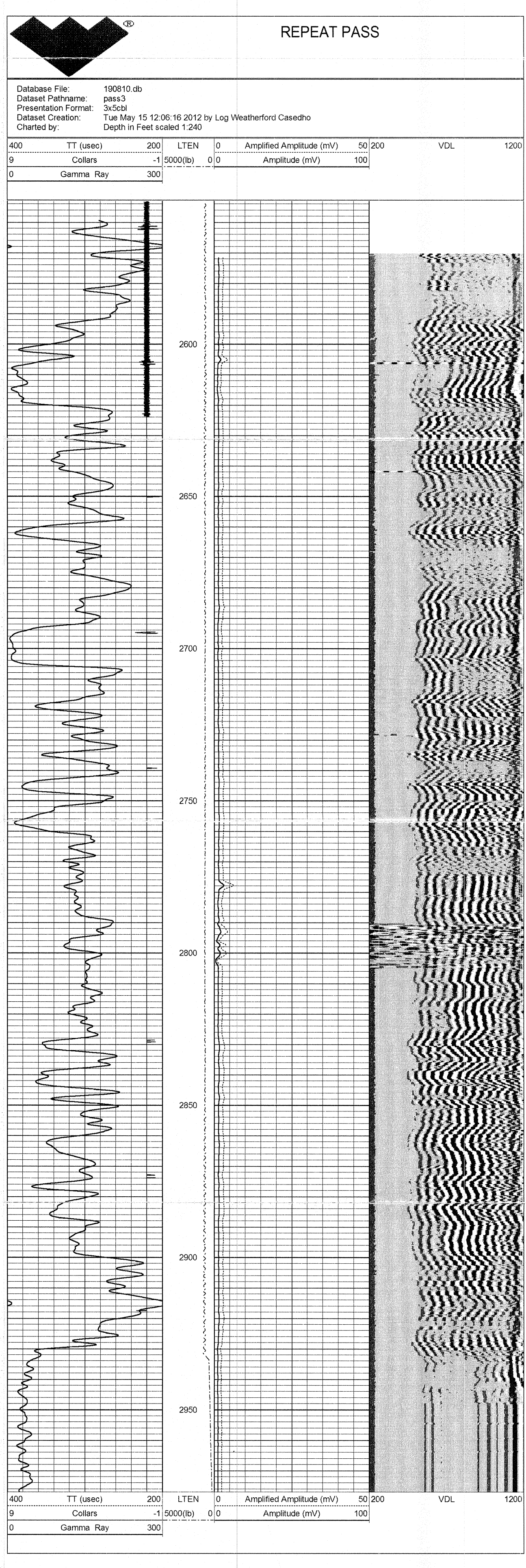
400 TT (usec) 200	LTEN	0 Amplified Amplitude (mV) 50	200 VDL 1200
9 Collars -1	5000(lb) 0	0 Amplitude (mV) 100	
0 Gamma Ray 300			

400 TT (usec) 200	LTEN	0 Amplified Amplitude (mV) 50	200 VDL 1200
9 Collars -1	5000(lb) 0	0 Amplitude (mV) 100	
0 Gamma Ray 300			

REPEAT PASS

Database File: 190810.db
Dataset Pathname: pass3
Presentation Format: 3x5cbl
Dataset Creation: Tue May 15 12:06:16 2012 by Log Weatherford Casedho
Charted by: Depth in Feet scaled 1:240

400 TT (usec) 200	LTEN	0 Amplified Amplitude (mV) 50	200 VDL 1200
9 Collars -1	5000(lb) 0	0 Amplitude (mV) 100	
0 Gamma Ray 300			



400 TT (usec) 200	LTEN	0 Amplified Amplitude (mV) 50	200 VDL 1200
9 Collars -1	5000(lb) 0	0 Amplitude (mV) 100	
0 Gamma Ray 300			

Calibration Report

Database File: 190810.db
Dataset Pathname: pass4
Dataset Creation: Tue May 15 12:21:32 2012 by Log Weatherford Casedho

Segmented Cement Bond Log Calibration Report

Serial Number: scbt400
Tool Model: SCBT2.7H
Performed: Tue May 15 11:48:23 2012

Depth: 297.897 ft
Casing Diameter: 4.500 in

	References (mv)		Readings (v)		Results	
	Zero	Reference	Zero	Reference	m	b
3'	0.600	81.196	0.000	0.755	106.772	0.600
5'	0.600	81.196	0.000	1.758	45.848	0.600
S1	0.000	100.000	0.000	1.238	80.798	0.000
S2	0.000	100.000	0.000	1.125	88.855	0.000
S3	0.000	100.000	0.000	0.795	125.860	0.000
S4	0.000	100.000	0.000	1.240	80.644	0.000
S5	0.000	100.000	0.000	1.253	79.817	0.000
S6	0.000	100.000	0.000	1.130	88.523	0.000
S7	0.000	100.000	0.000	1.134	88.200	0.000
S8	0.000	100.000	0.000	1.279	78.167	0.000

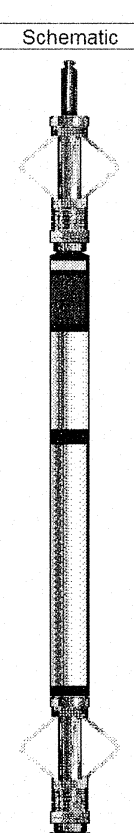
Gamma Ray Calibration Report

Serial Number: grba382
Tool Model: GRBA2.7H
Performed: Tue Apr 24 08:59:02 2012

Calibrator Value: 155.0

Background Reading: 150.2 cps
Calibrator Reading: 151.3 cps

Sensitivity: 1.0000 /cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Weatherford	1.03	1.44	
			2.75CCent 2 3/4" computalog cent	2.49	2.75	11.90
CCL	0.00		CCLL-CTBA2.7H (ctba389) 2.75CCL/TELEMETRY COMPUTALOG LOGGING CCL	3.40	2.75	40.00
GR	-3.61		GR-GRBA2.7H (grba382) 2 3/4" 350F/20K PSI COMPUTALOG SIX PIN GAMMA RAY	4.76	2.75	40.00
			2.75CCent 2 3/4" computalog cent	2.50	2.75	11.90