RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL

Company	WPX ENERGY
Well	SAVAGE RWF 442 - 34
Field	RULISON
County	GARFIELD
State	COLORADO
API # :	05 - 045 - 20458 - 0000
Location:	SHL: 2029' FNL & 0526' FWL SEC 35 BHL: 1873' FNL & 1057' FEL SEC 34
Other Services	

SEC 34 TWP 6S RGE 94W

Permanent Datum	G.L.	Elevation	5549.7'
Log Measured From	K.B.	Ft Above PD	26'
Drilling Measured From	K.B.		

Elevation
K.B. 5575.7'
D.F.
G.L. 5549.7'

Date	10 - 04 - 2012
Run Number	ONE
Depth Driller	7956'
Present Depth Driller	5410'
Depth Logger	5410'
Bottom Logged Interval	5409'
Top Log Interval	3700'
Fluid Level	650'
Type Fluid	WATER
Max. Recorded Temp.	NA
Estimated Cement Top	4710'
Equipment Number	208
Location	GRAND JCT.
Recorded By	INGRAM
Witnessed By	MR. BOB CADY

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	13.5"	SURFACE	1139.43'	9.625"		SURFACE	1139.43'
TWO	7.875"	SURFACE	7956'	4.5"	11.6#	SURFACE	7956'

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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 officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

WARRIOR 7.0 SOFTWARE - Comments

NOTE: LOG WAS DEPTH CORRELATED USING BAKER HUGHES RBL DATED 8-10-12

SHORT JOINT: 4291' TO 4311'

MAIN PASS 5" = 100'

CSG PSI = STATIC

Calibration Report
Database File: 100412_wpxenergy_rwf_442_34.db
Dataset Pathname: MAIN/pass1.2
Dataset Creation: Thu Oct 04 11:58:59 2012 by Calc Std Casedhole 10121

Gamma Ray Calibration Report

Serial Number:	TEKCO234_314	
Tool Model:	TEKCO234	
Performed:	Fri Aug 22 09:46:25 2008	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	/cps

CBL Calibration Report

Serial Number:	TEKCO_8009		
Tool Model:	TEKCO		
Performed:	Thu Oct 04 10:44:22 2012		
Depth:	780.042	ft	
Casing Diameter:	4.500	in	
	3' Spacing	5' Spacing	
Signal Zero:	1.000	1.000	mV
Calibrated Amplitude:	81.196	81.196	mV
Reading at Signal Zero:	-0.000	-0.010	V
Reading in Free Pipe:	1.190	1.240	V
Gain:	48.393	38.001	
Offset:	0.996	0.996	

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MAIN PASS

Database File: 100412_wpxenergy_rwf_442_34.db
Dataset Pathname: MAIN/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Thu Oct 04 11:58:59 2012 by Calc Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

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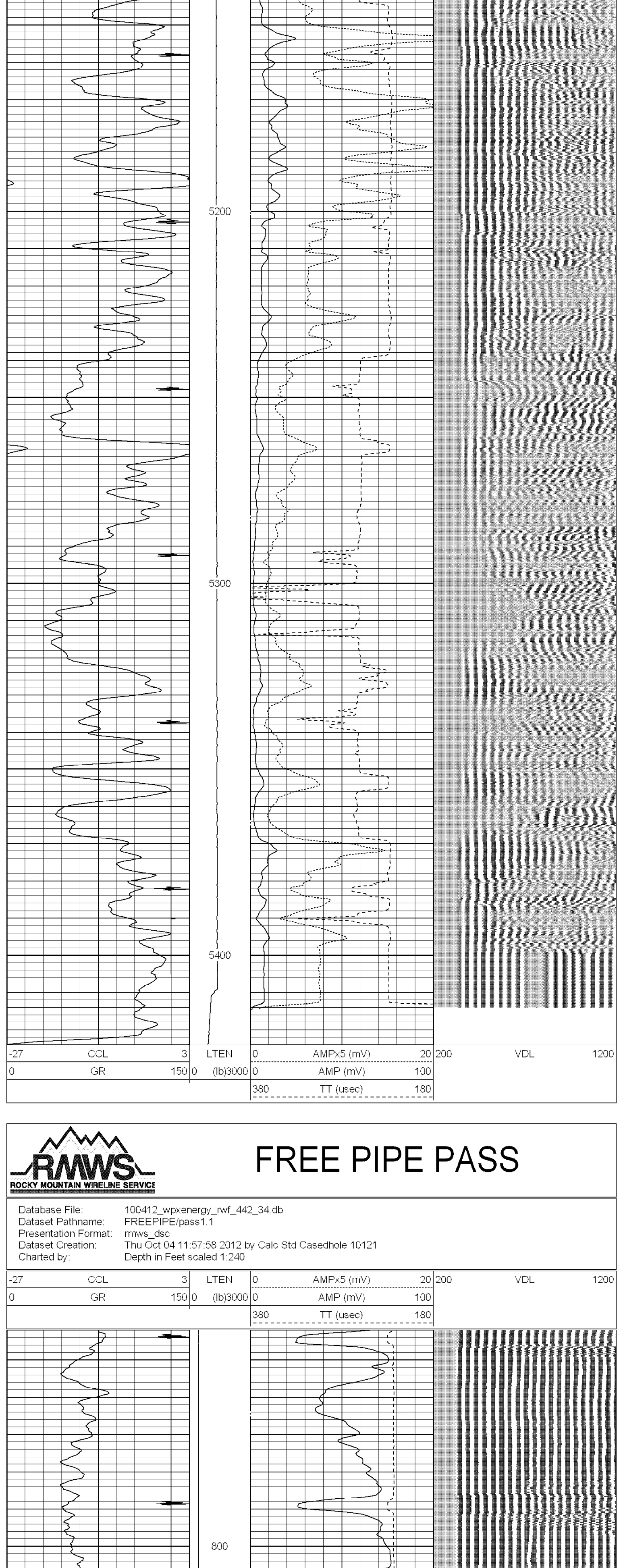
REPEAT PASS

Database File: 100412_wpxenergy_rwf_442_34.db
Dataset Pathname: repeat/pass1.1
Presentation Format: rmws_dsc
Dataset Creation: Thu Oct 04 12:00:20 2012 by Calc Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240



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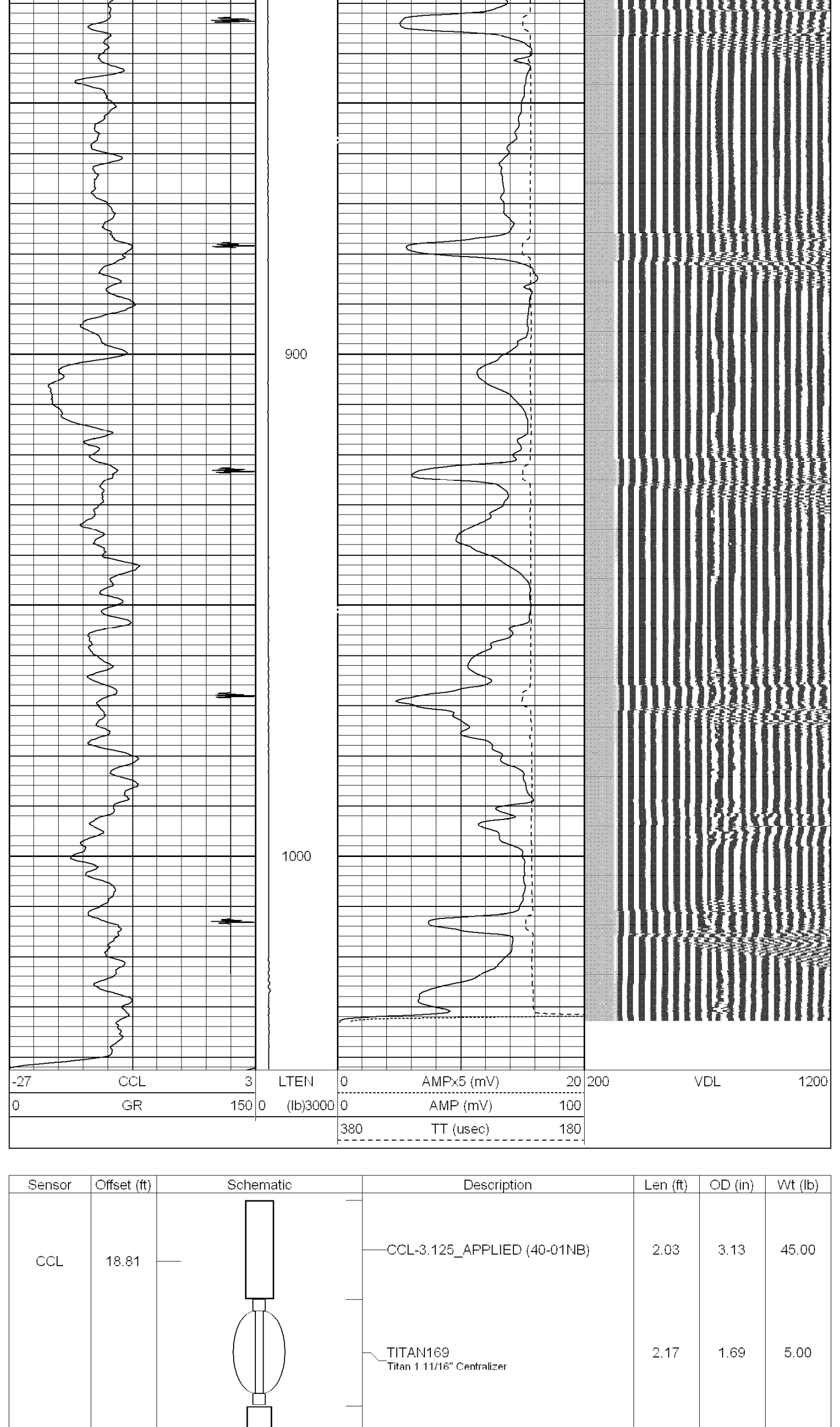
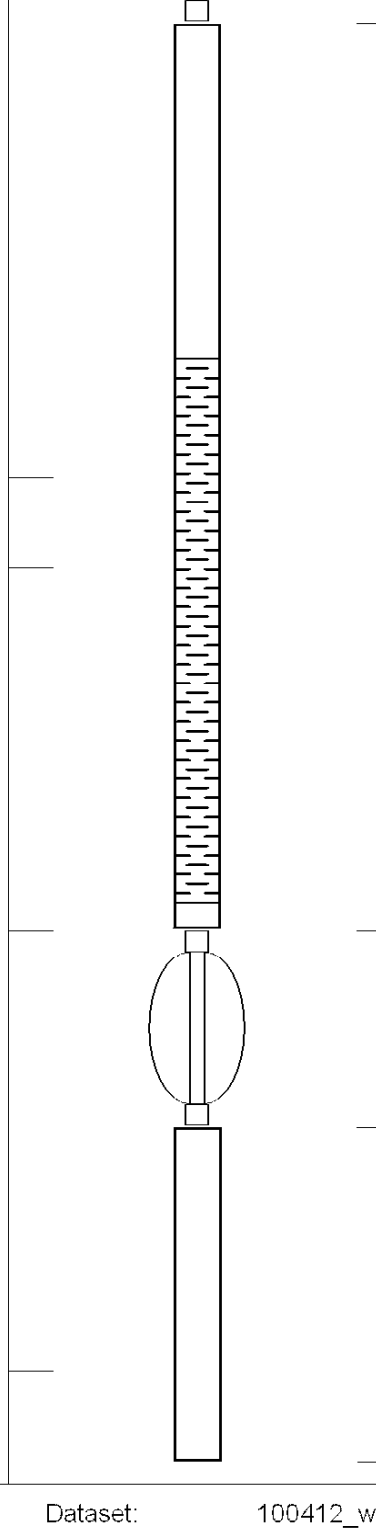
FREE PIPE PASS

Database File: 100412_wpxenergy_rwf_442_34.db
Dataset Pathname: FREEPIPE/pass1.1
Presentation Format: rmws_dsc
Dataset Creation: Thu Oct 04 11:57:58 2012 by Calc Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	18.81		CCL-3.125_APPLIED (40-01NB)	2.03	3.13	45.00
			TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
WVF3FT	10.85		CBLTEKCO-TEKCO (TEKCO_8009) DEMO TOOL - DEMINSIONS INVALID	10.00	3.25	50.00
WVF5FT	9.85					
WVFSYNC	5.85		TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
GR	1.00		GR-TEKCO234 (TEKCO234_314) Tekco 2 3/4" Gamma Ray	3.69	2.75	20.00

Dataset: 100412_wpxenergy_rwf_442_34.db: field/well/MAIN/pass1.2
Total Length: 20.05 ft
Total Weight: 125.00 lb
O.D.: 3.25 in

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