ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL

Company **WPX ENERGY**
Well **STRAIT SG 342 - 22**
Field **GRAND VALLEY**
County **GARFIELD** State **COLORADO**

Location: API # : 05 - 045 - 21752 - 0000
SHL: 1519' FLN & 0289' FEL
BHL: 1948' FNL & 1091' FEL
SEC 22 TWP 7S RGE 96W

Other Services

Permanent Datum	G.L.	Elevation	5222'
Log Measured From	K.B.	Ft Above PD	22'
Drilling Measured From	K.B.		

Elevation
K.B. 5242'
D.F. 5241'
G.L. 5222'

Date	09 - 19 - 2013		
Run Number	ONE		
Depth Driller	5567'		
Present Depth Driller	4135'		
Depth Logger	4135'		
Bottom Logged Interval	4134'		
Top Log Interval	2400'		
Fluid Level	600'		
Type Fluid	WATER		
Max. Recorded Temp.	NA		
Estimated Cement Top	3530'		
Equipment Number	208		
Location	GRAND JCT		
Recorded By	INGRAM	FERNANDEZ	
Witnessed By	MR. APPLEGATE		

	Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	13.5'	SURFACE	897'	9.625"	32.3#	SURFACE	897'
TWO	8.75"	841'	5567'	4.5"	11.6#	SURFACE	5567'

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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: DEPTH WAS CORRLEATED USING HES ACOUSTIC CBL DATED 7-28-13

SHORT JOINT: 3132' TO 3157'

MAIN PASS 5" = 100'

CSG PSI = STATIC

Calibration Report

Database File: 091913_wpxenergy_strait_sg_342_22.db
Dataset Pathname: MAIN/pass1.2
Dataset Creation: Thu Sep 19 13:15:56 2013 by Calc SCH 120430

Gamma Ray Calibration Report

Serial Number: 10009368
Tool Model: 020
Performed: Sun Jun 13 13:33:21 1993

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 10009897
Tool Model: 004

Calibration Casing Diameter: 4.500 in
Calibration Depth: 679.337 ft

Master Calibration, performed Thu Sep 19 13:15:30 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.005	0.945	0.000	81.196	85.440	0.448
5FT	-0.012	0.874	0.000	81.196	91.690	1.079
S1	-0.004	0.902	0.000	100.000	110.439	0.387
S2	-0.004	0.960	0.000	100.000	103.784	0.390
S3	-0.005	1.028	0.000	100.000	96.739	0.526
S4	-0.008	1.021	0.000	100.000	97.165	0.814
S5	-0.008	0.973	0.000	100.000	102.008	0.781
S6	-0.007	0.949	0.000	100.000	104.698	0.684
S7	-0.007	0.908	0.000	100.000	109.180	0.816
S8	-0.005	0.910	0.000	100.000	109.279	0.570

Calibration Report

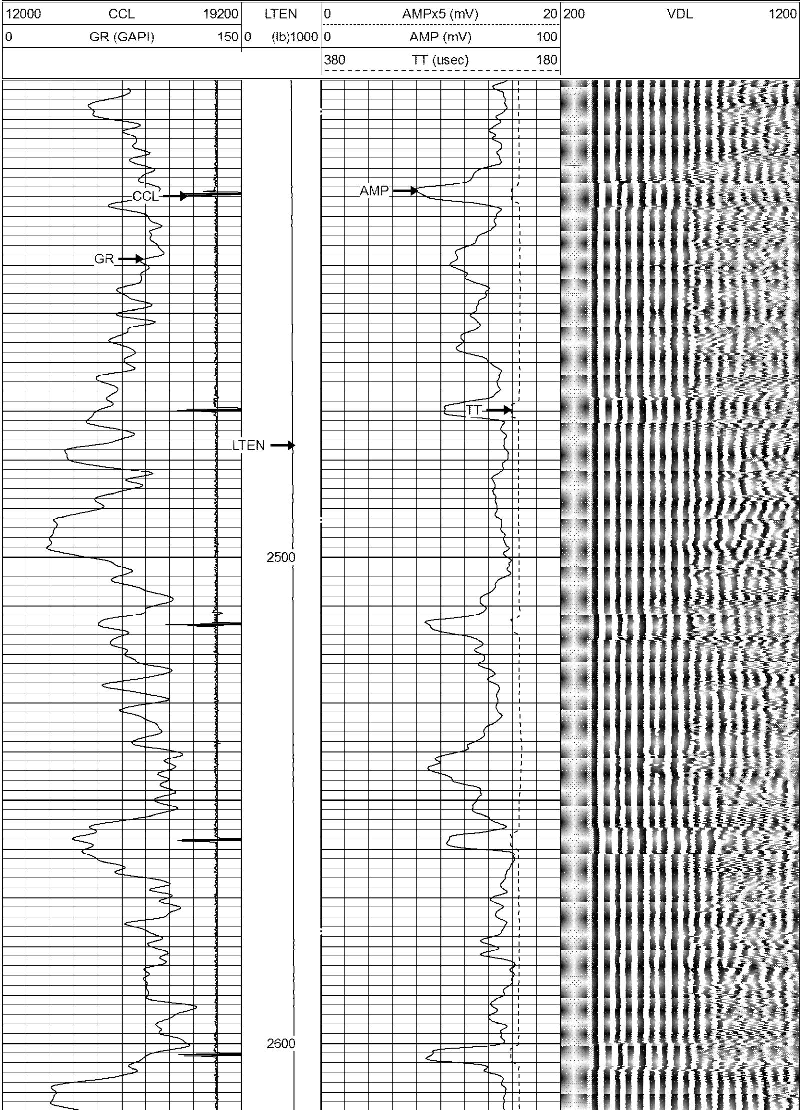
Serial Number: 10009897
Tool Model: 004
Performed:

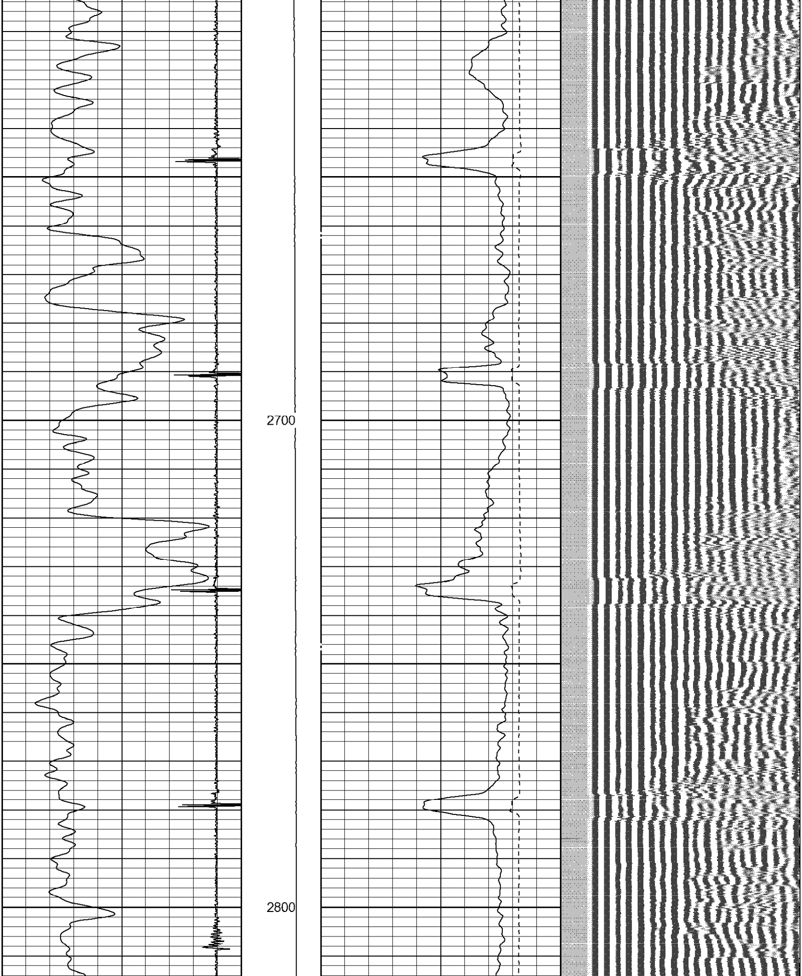
	Reference (degF)	Reading ()
Low:	0.000	0.000
High:	1.000	1.000
	Gain = 1.000	Offset= 0.000

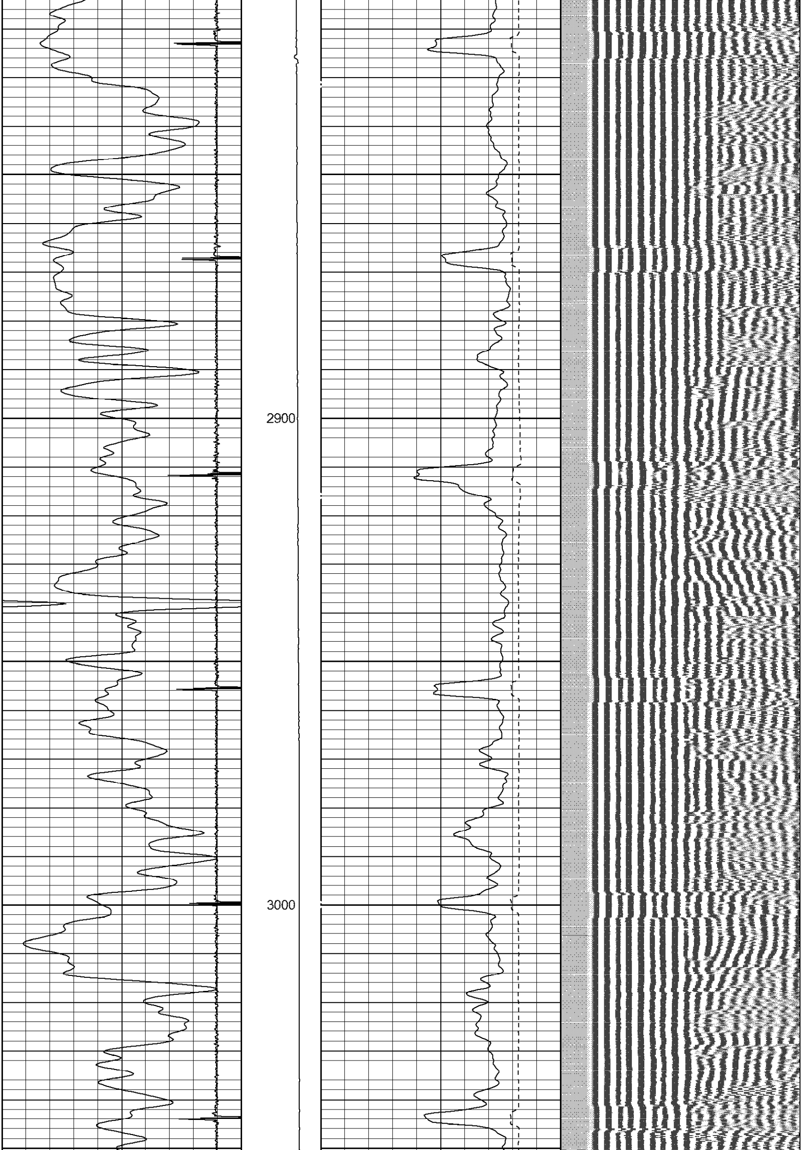
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

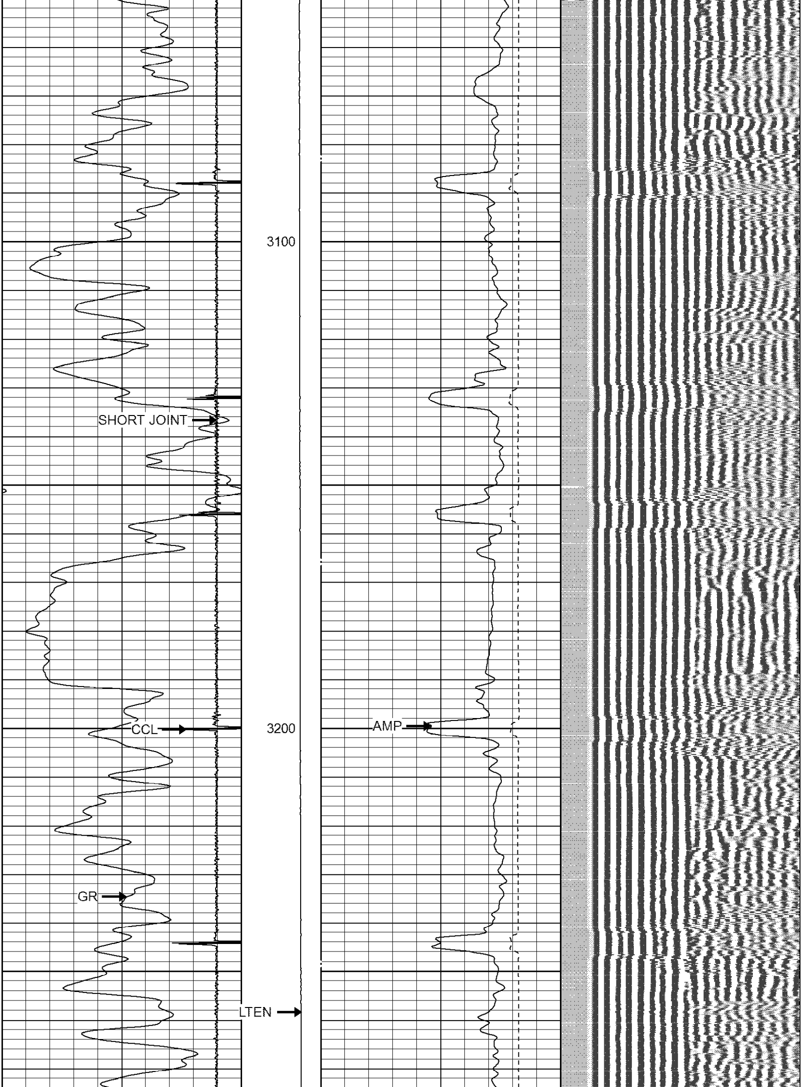
MAIN PASS

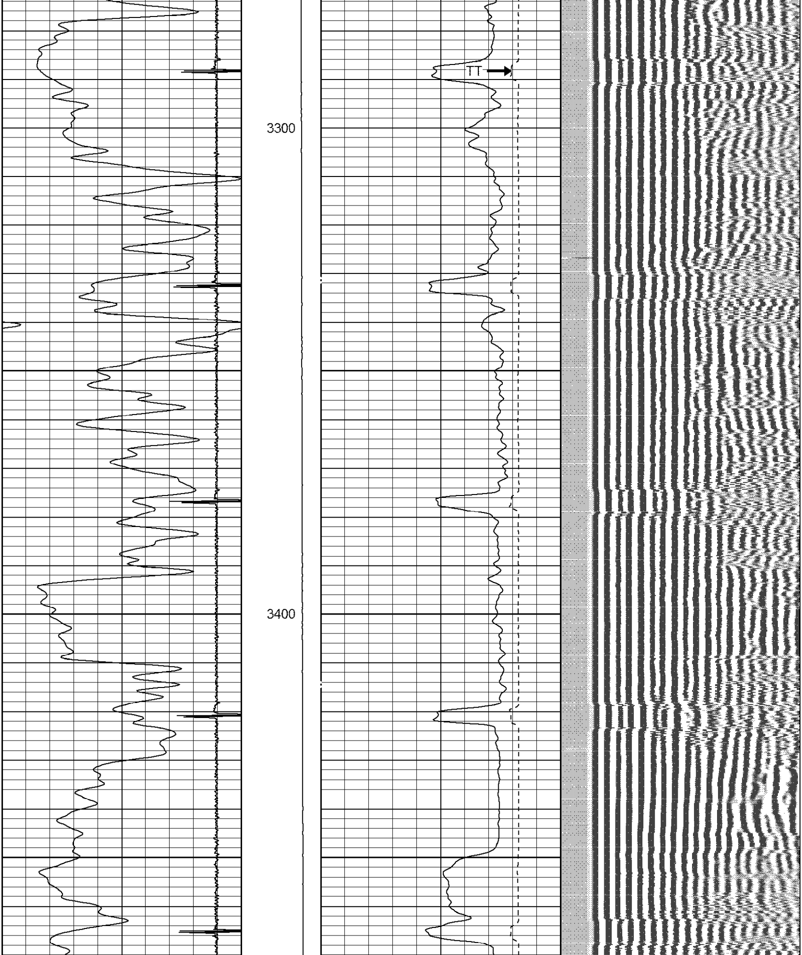
Database File: 091913_wpxenergy_strait_sg_342_22.db
Dataset Pathname: MAIN/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Thu Sep 19 13:15:56 2013 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:240

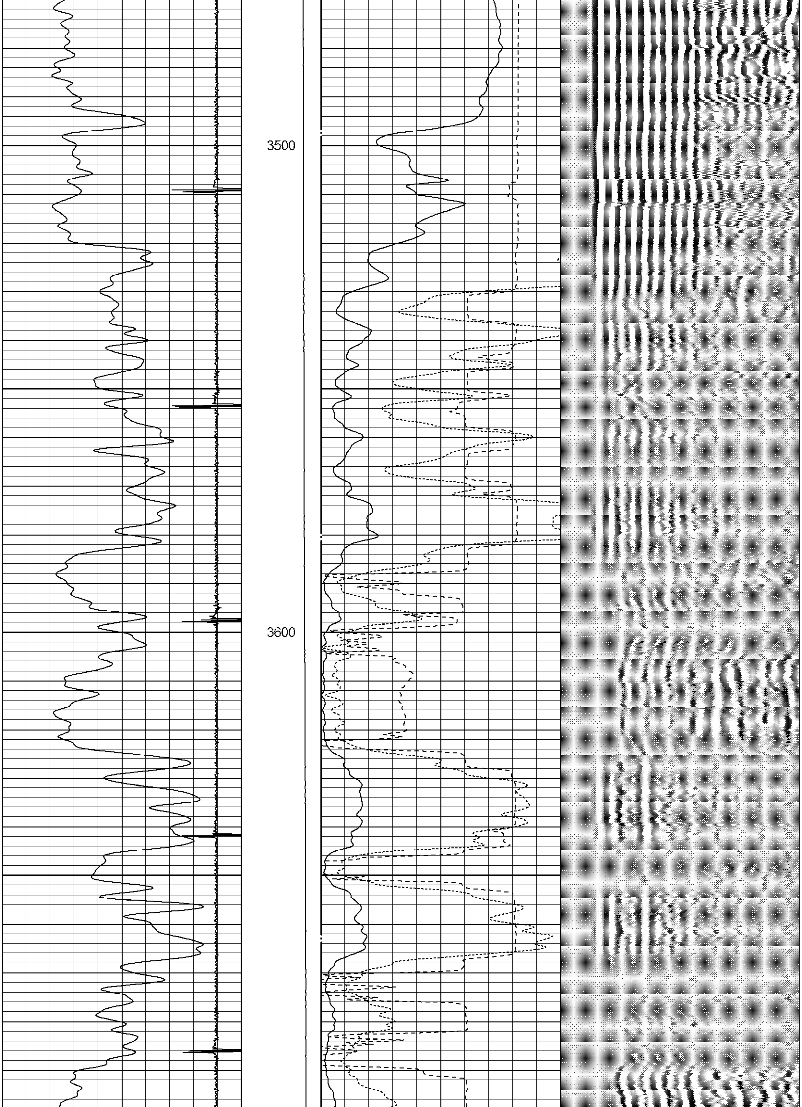


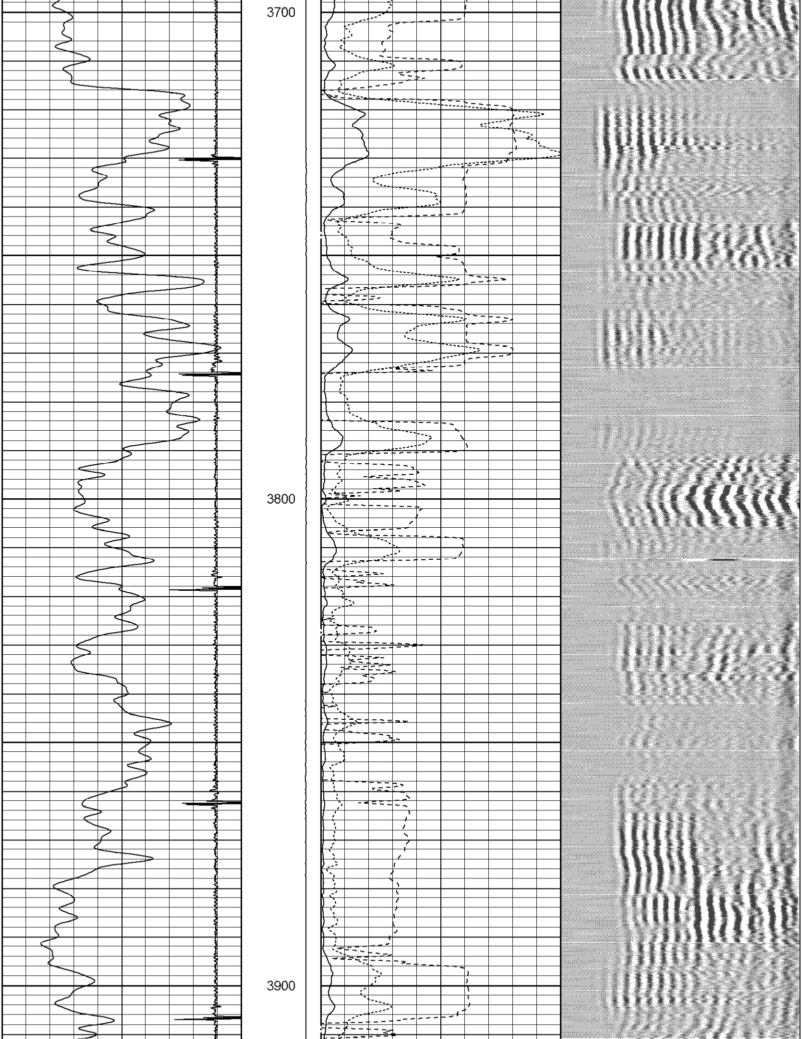


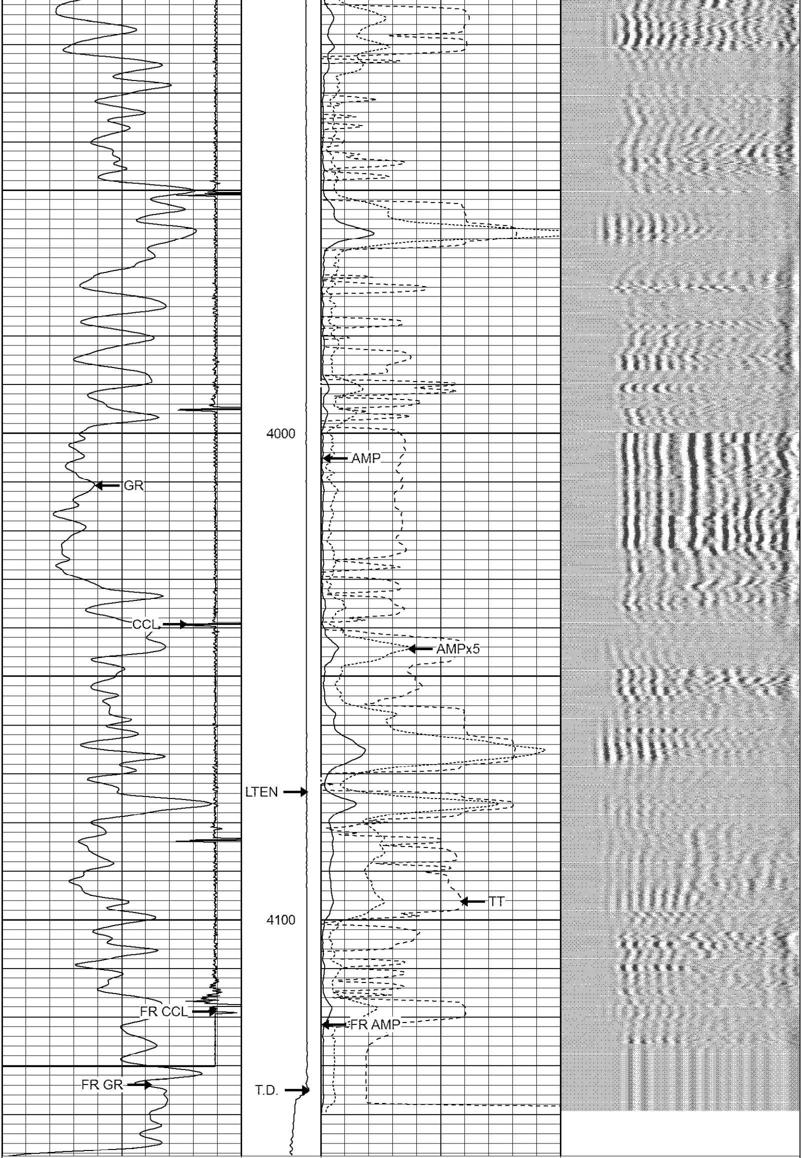












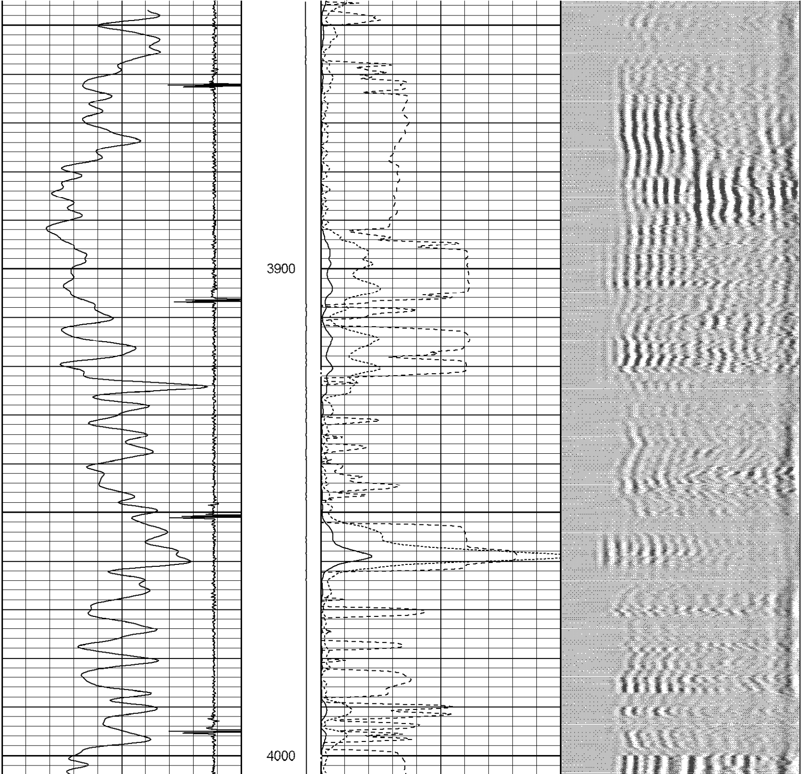
12000 CCL 19200	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb)1000	0 AMP (mV) 100	
		380 TT (usec) 180	

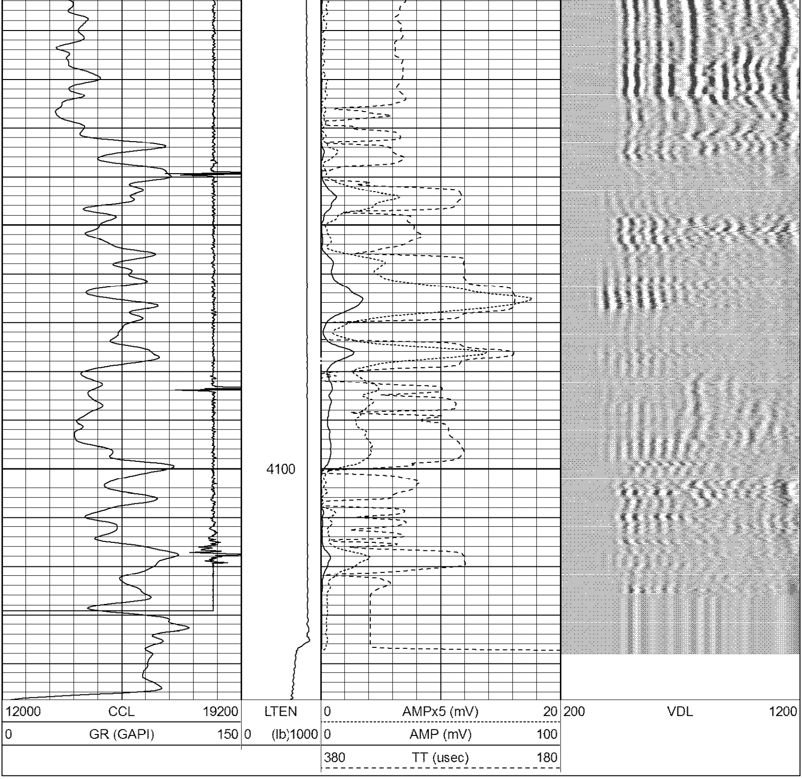
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

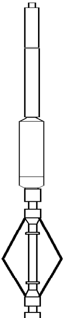
REPEAT PASS

Database File:	091913_wpxenergy_strait_sg_342_22.db
Dataset Pathname:	REPEAT/pass1.1
Presentation Format:	rmws_dsc
Dataset Creation:	Thu Sep 19 13:17:08 2013 by Calc SCH 120430
Charted by:	Depth in Feet scaled 1:240

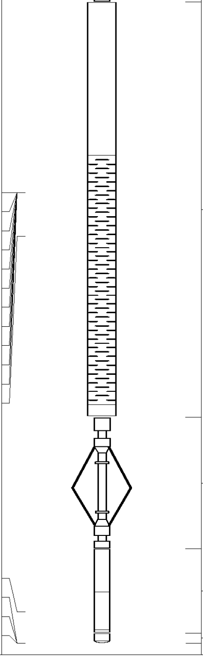
12000 CCL 19200	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb)1000	0 AMP (mV) 100	
		380 TT (usec) 180	





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
			XTU-002 (216415) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
CCL	18.13		CCL-028 (1037) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
			PRC-022 (215770) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40

WVF3FT	10.28
WVFS1	10.28
WVFS2	10.28
WVFS3	10.28
WVFS4	10.28
WVFS5	10.28
WVFS6	10.28
WVFS7	10.28
WVFS8	10.28
CBLTEMP	10.28
CBLROT	10.28
WVF5FT	9.28
GR	0.72
TSTAMP	0.00
ITEMPX	0.00
HVOLTX	0.00



RBT-004 (10009897) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
PRC-022 (215771) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
PGR-020 (10009368) Production Gamma Ray	1.93	1.69	9.50
BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset:	091913_wpxenergy_strait_sg_342_22.db: field/well/MAIN/pass1.2
Total Length:	21.85 ft
Total Weight:	238.00 lb
O.D.	3.13 in

RMWS
ROCKY MOUNTAIN WIRELINE SERVIC

Company	WPX ENERGY
Well	STRAIT SG 342 - 22
Field	GRAND VALLEY
County	GARFIELD
State	COLORADO