Company KERR-MCGEE OIL & GAS ONSHORE
Well UPRC FEDERAL 5-6K
Field WATTENBERG
County WELD
State CO

PIONEER
Pioneer Energy Services

CEMENT BOND LOG WITH GAMMA RAY

Company	KERR-MCGEE OIL & GAS ONSHORE
Well	UPRC FEDERAL 5-6K
Field	WATTENBERG
County	WELD
State	CO

Location: API # : 05123168230000
2368' FNL & 2439' FWL
SENW
SEC 5 TWP 3N RGE 66W

Other Services
CASING CUT

Permanent Datum GL Elevation 4779
Log Measured From KB
Drilling Measured From KB...11' ABOVE GL

Elevation
K.B. 4790
D.F. 4789
G.L. 4779

Date of Service	MARCH 12, 2015
Run Number	1
Depth Driller or PBTD	7711
Depth Logger	6350
Bottom Log Interval	6348
Top Log Interval	SURFACE
Open Hole Size	7+7/8"
Type Fluid	WATER
Fluid Level	SURFACE
Fluid Density	8.33 PPG
Max. Recorded Temperature	186 F
Max. Wellhead Pressure	0
Wellhead Connection	PACKOFF
Estimated Cement Top	5315
Unit Number	P96
Wireline Size	1/4"
Location	FT MORGAN, CO
Recorded By	SCHUMAN
Witnessed By	MR RIGO CINTORO

	Size	Wt/Ft	Top	Bottom
Tubing Record				
Surface Casing	8+5/8"	24#	SURFACE	518
Production Casing	2+7/8"	6.5#	SURFACE	7687
Liner Record				

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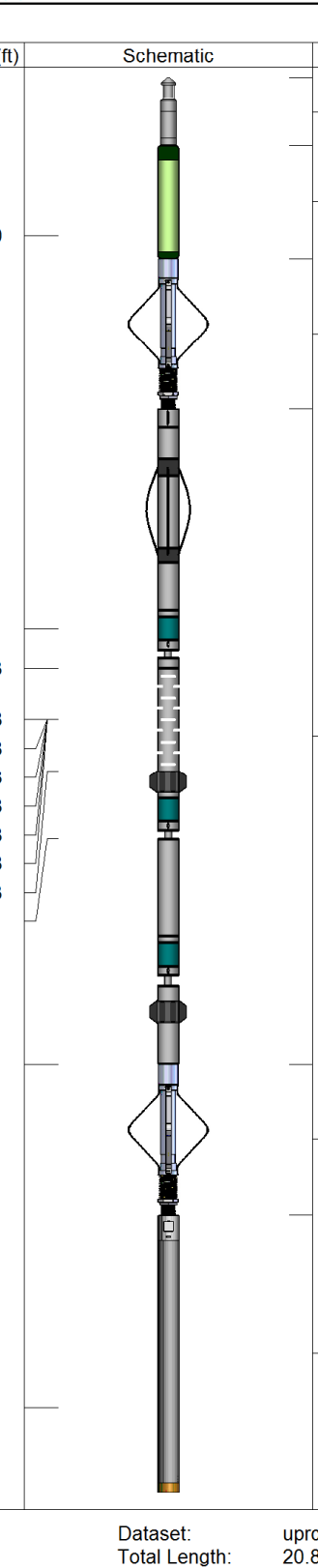
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
CORRELATED -9FT TO CLIENT'S LOG DATED 5-10-1993
S.O. # 2-280138
CBL CALIBRATED TO 2.875" 106MV FREE PIPE @ 3571'

THANK YOU FOR USING PIONEER ENERGY SERVICES

Your Pioneer Energy Services Crew	Tool Data - Services	Serial Number
Engineer: SHAUN	CBL	IUED802
Operator: GENO	GR	IXMM701
Operator: ANGELO		
Operator: MATT		



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STNDRD Standard Cable Head	1.00	1.69	10.00
CCL	18.50	CCL-168tekco (ID9V0-06) TEKCO 1 11/16" 450 Deg. F CCL	1.67	1.69	9.00
		1.69 1 11/16" Tekco Adjustable Centralizer	2.21	1.69	10.00
TEMP	12.71				
WVFCAL	12.13				
WVFS1	11.38	SCBLTEKSLIM-T169Temp (IUED8-02_2.8 Tekco 1 11/16" 400 Deg F Sector with Temp	9.67	1.69	53.00
WVFS2	11.38				
WVFS3	11.38				
WVFS4	11.38				
WVFS5	11.38				
WVFS6	11.38				
WVF3FT	10.63				
WVF5FT	9.63				
WVFTEMP	6.29				
		1.69 1 11/16" Tekco Adjustable Centralizer	2.21	1.69	10.00
GR	1.25	GR-Tek-Co (IXMM7-01) TEKCO 1 11/16" 400 Deg. F Scintillation Logging Gamma Ray	4.08	1.68	18.00

Dataset: uprc federal 5-6k_cbl.db: field/well/cbl/pass1
Total Length: 20.83 ft
Total Weight: 110.00 lb
O.D. 1.69 in

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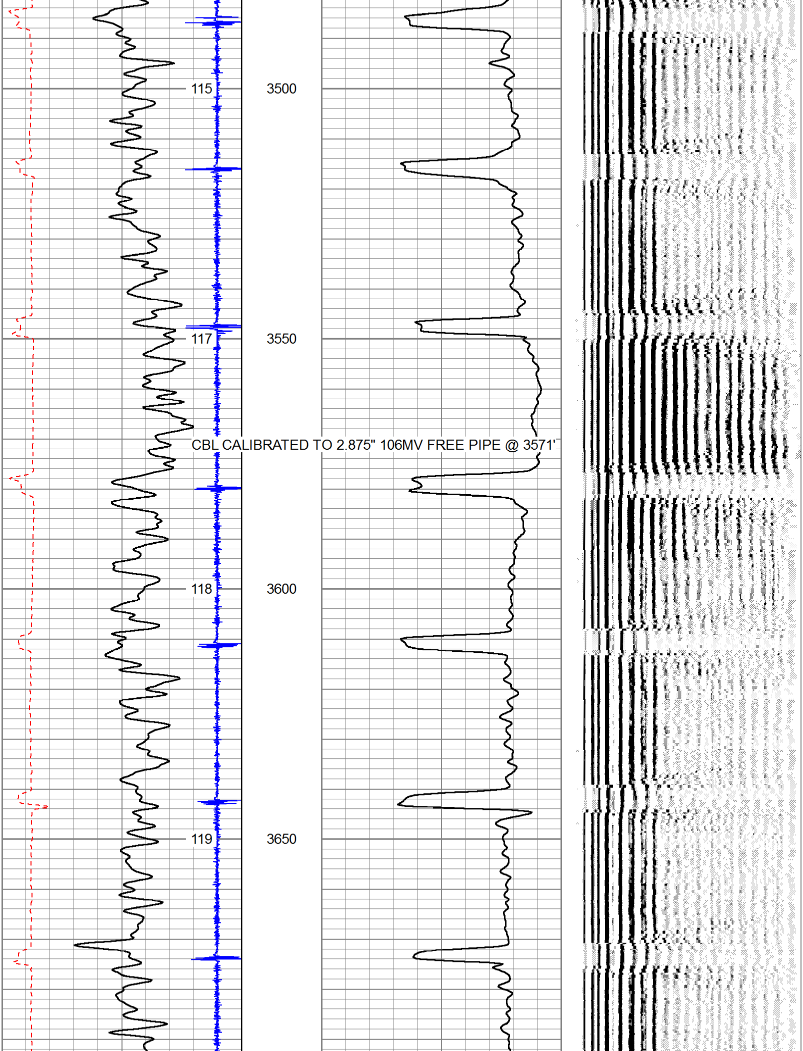
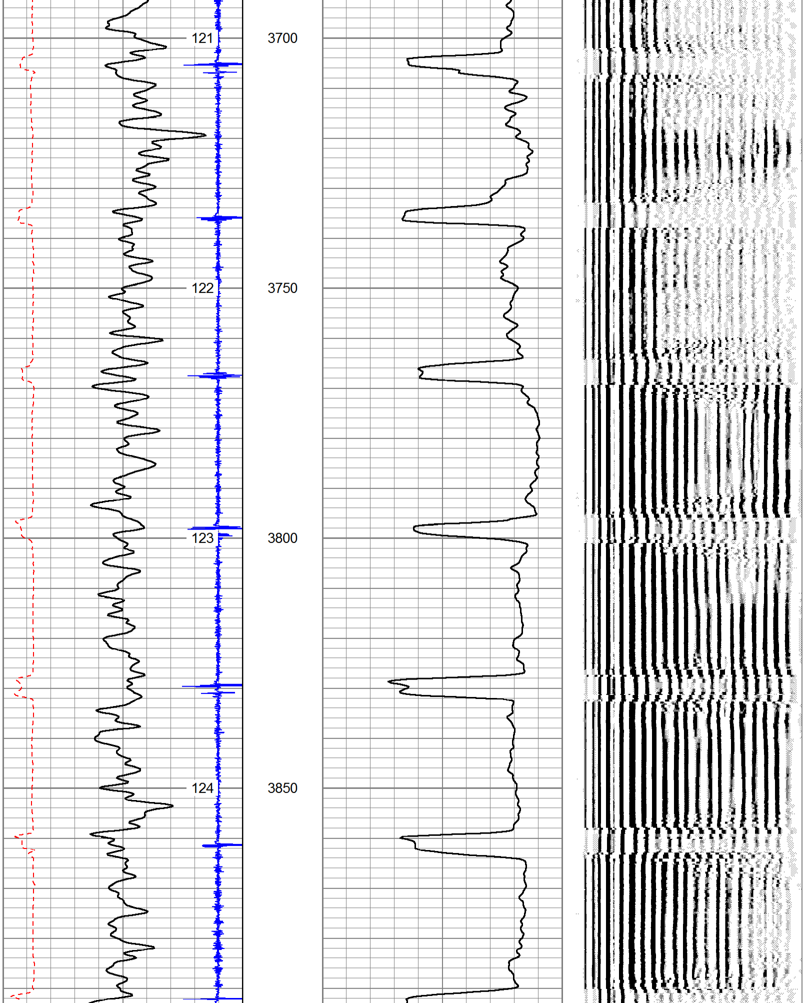
MAIN LOG

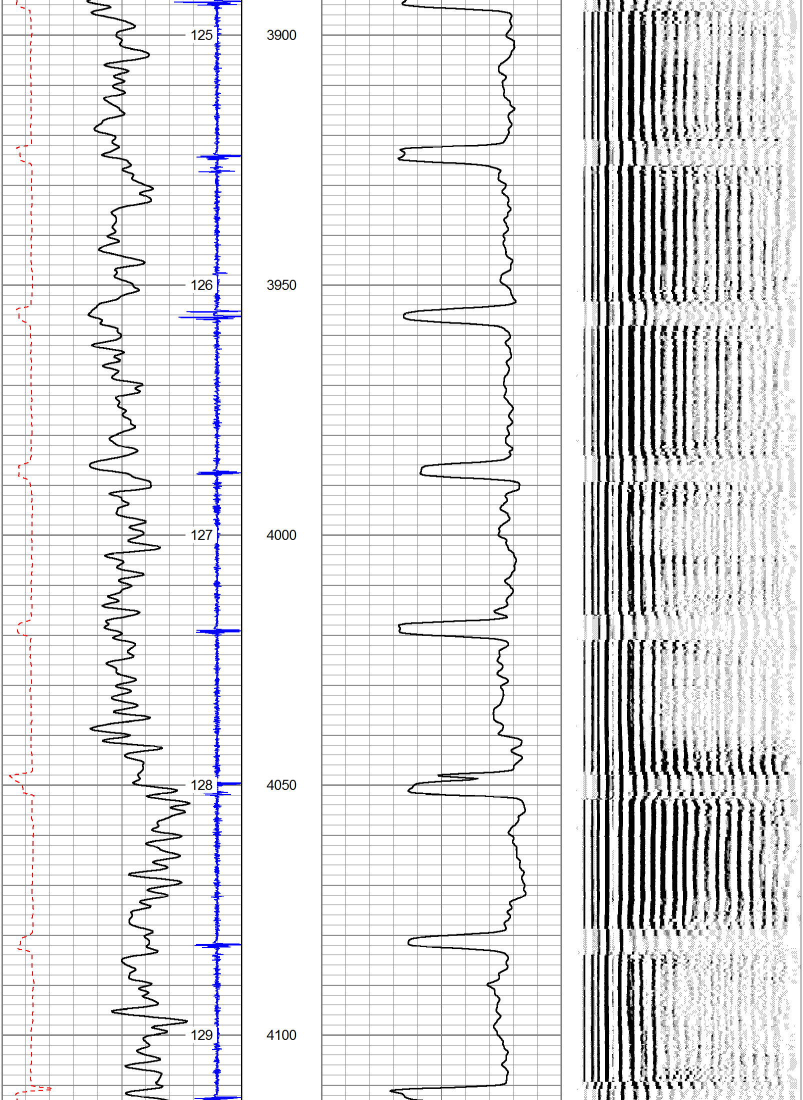
LOGGED WITH 0 PSI APPLIED AT SURFACE

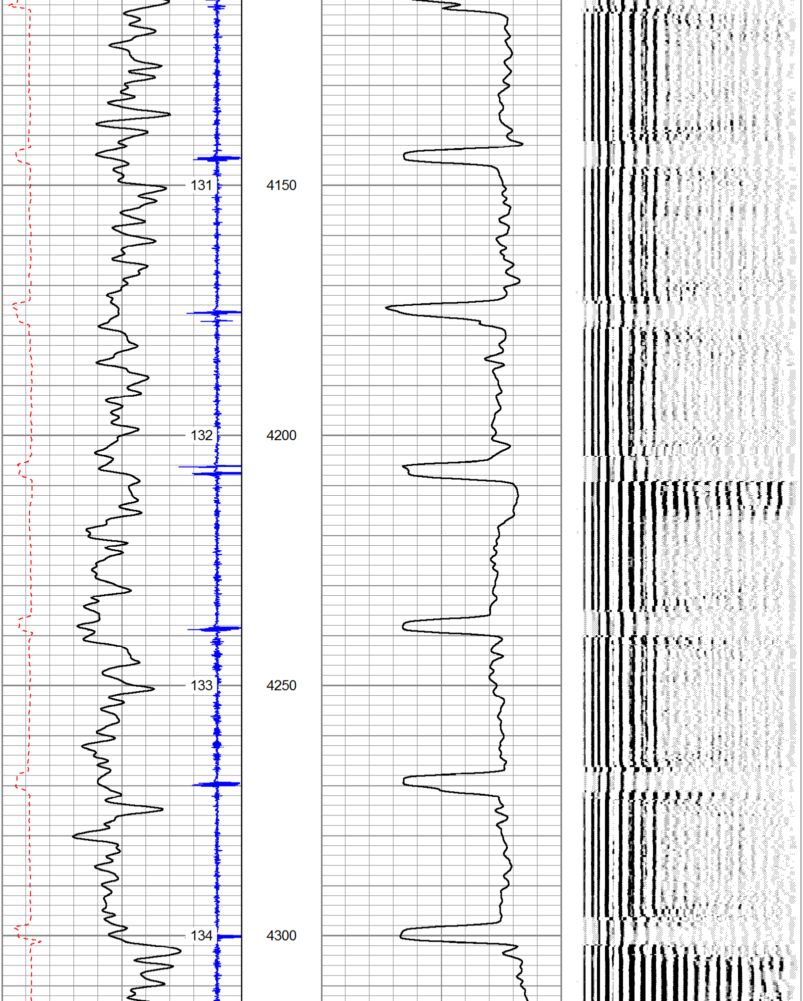
Database File: uprc federal 5-6k_cbl.db
Dataset Pathname: MAIN
Presentation Format: cbldrssl
Dataset Creation: Thu Mar 12 13:12:39 2015
Charted by: Depth in Feet scaled 1:240

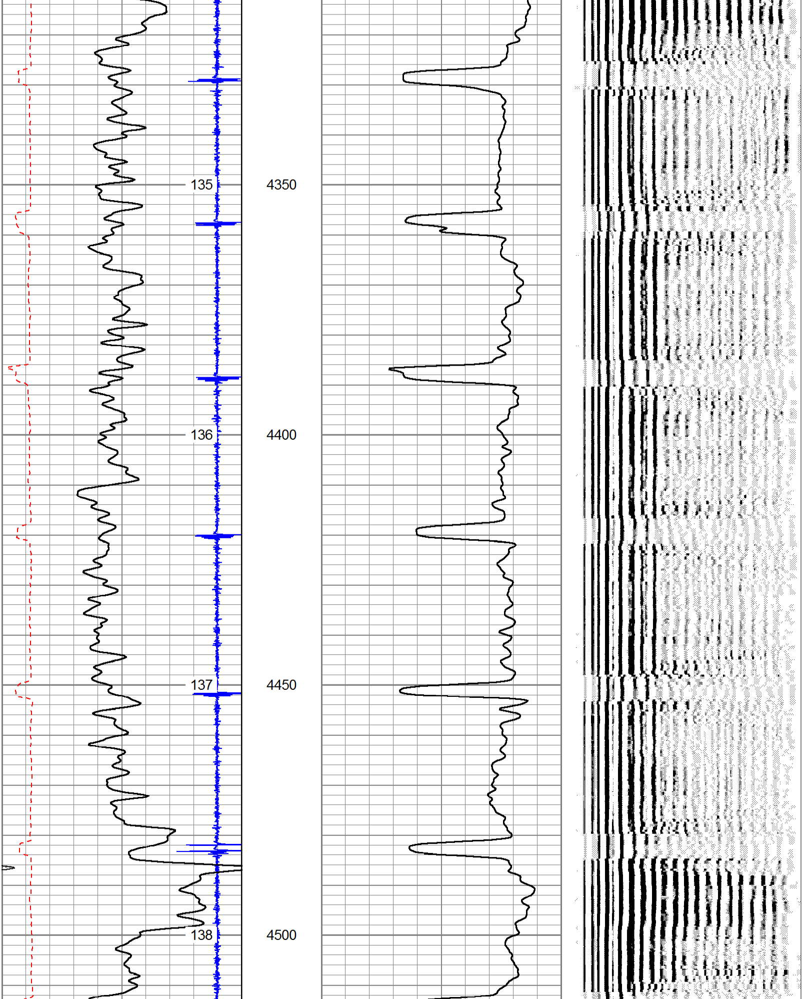


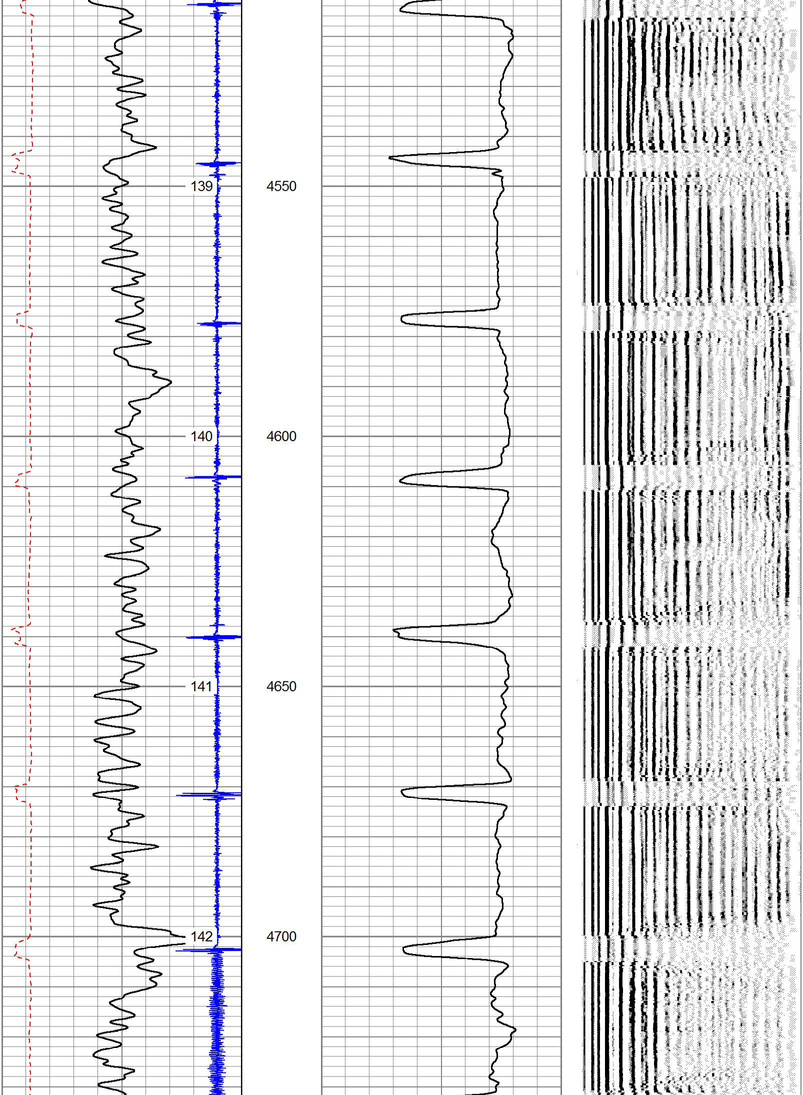
CBL CALIBRATED TO 2.875" 106MV FREE PIPE @ 3571'

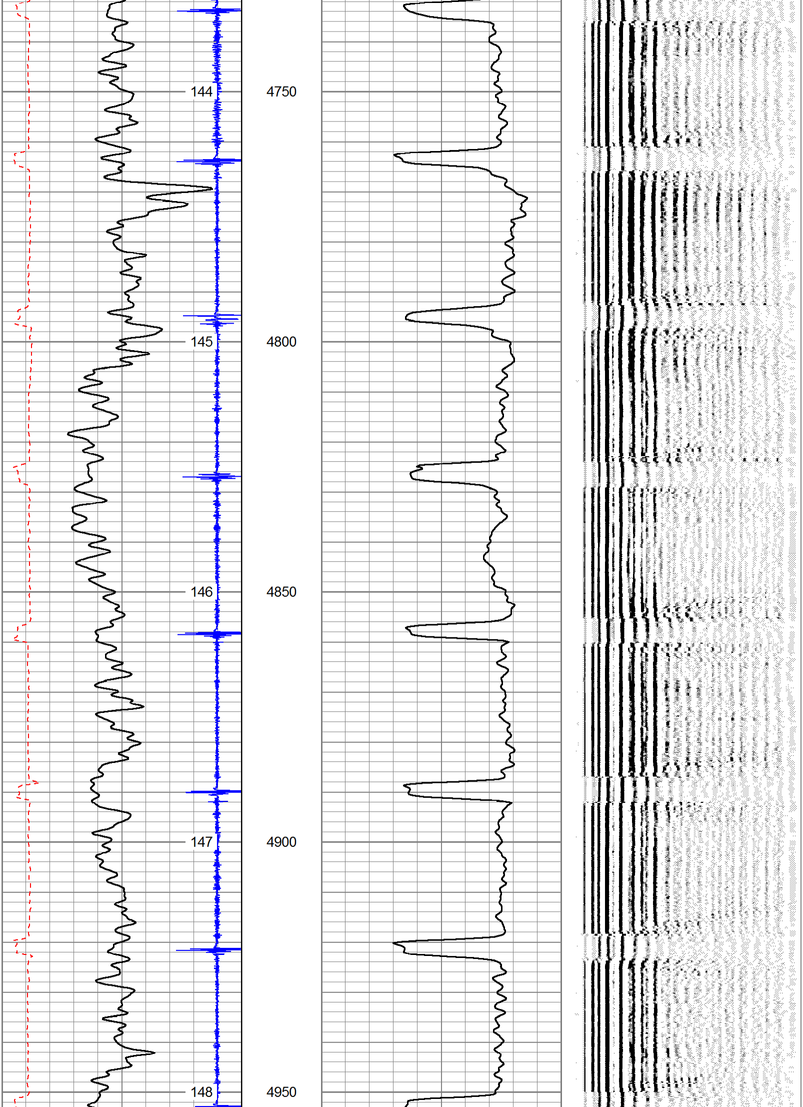


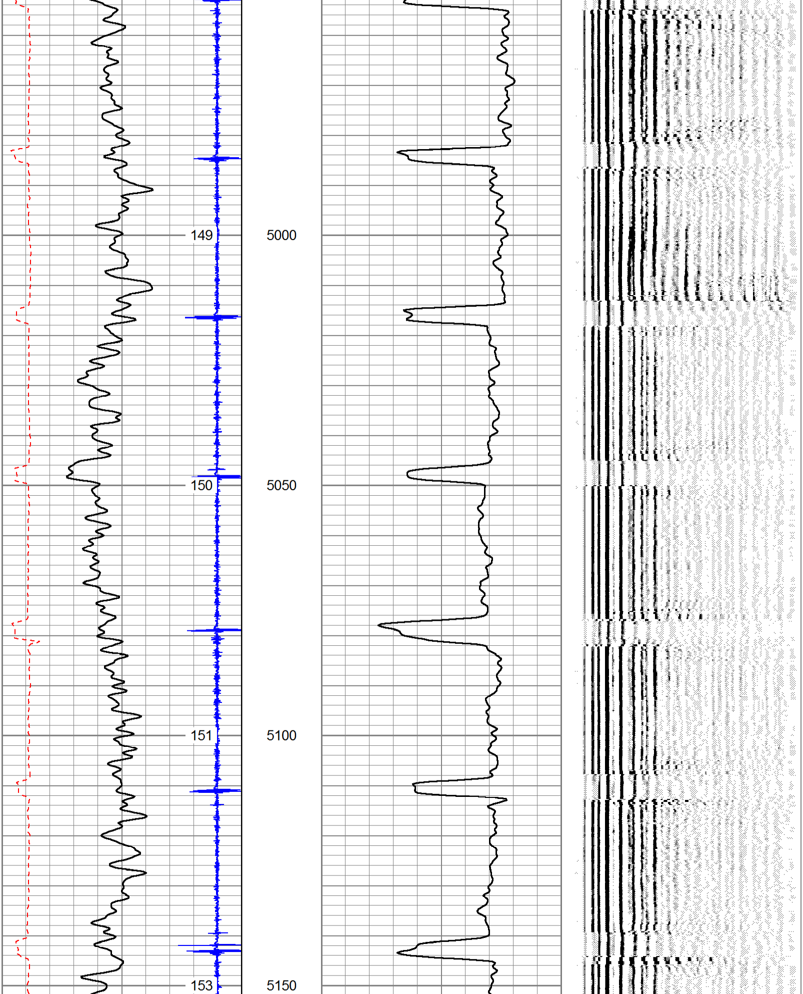


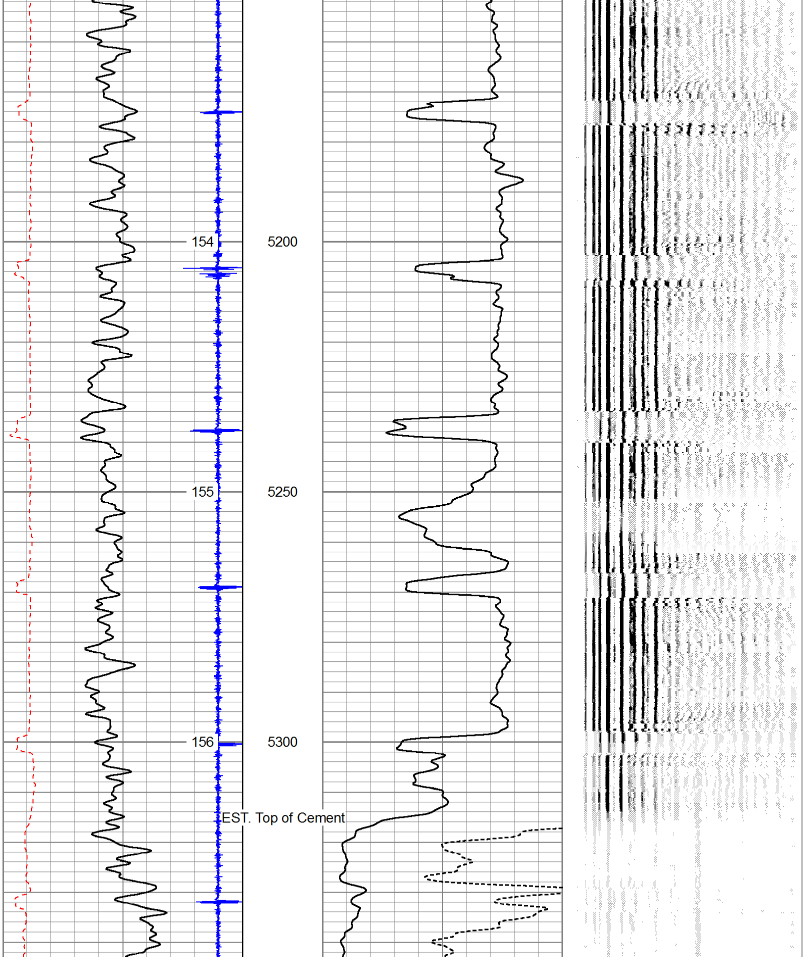


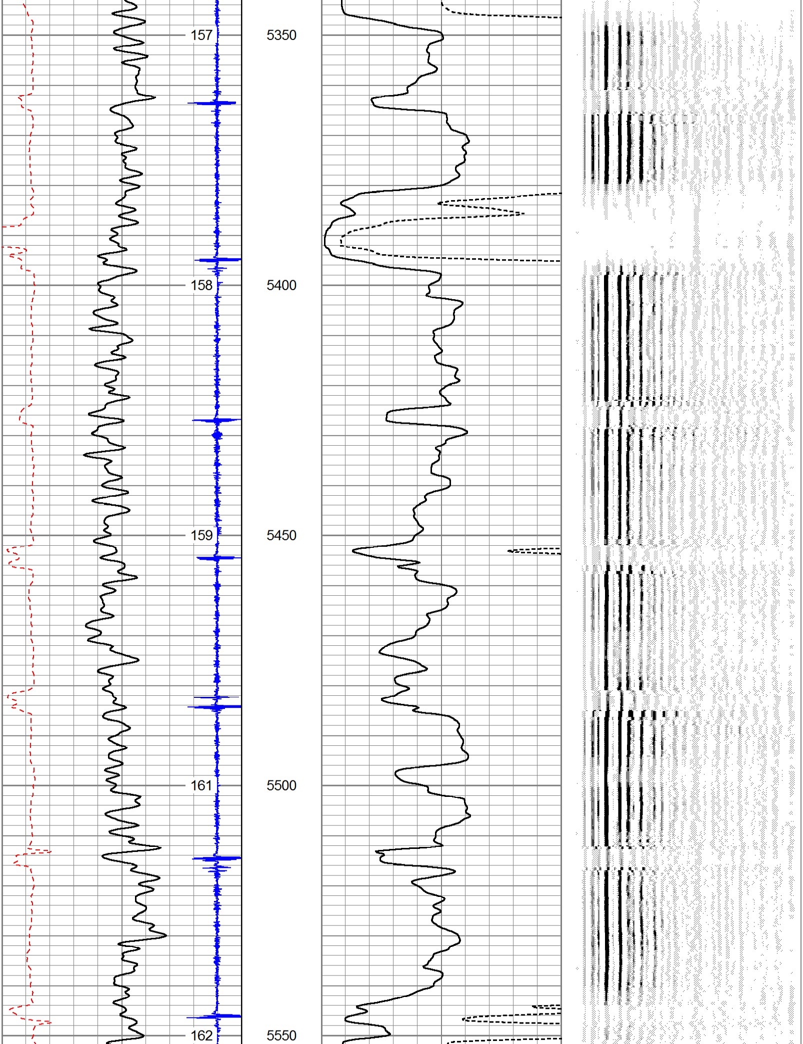


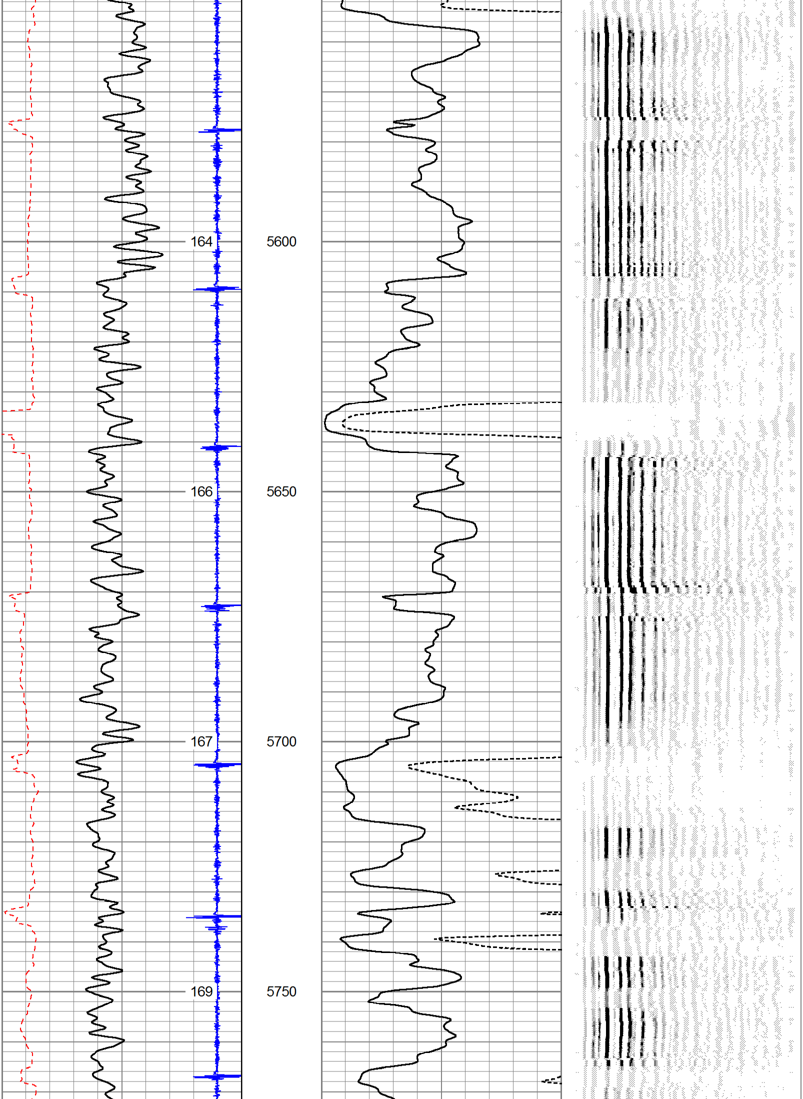


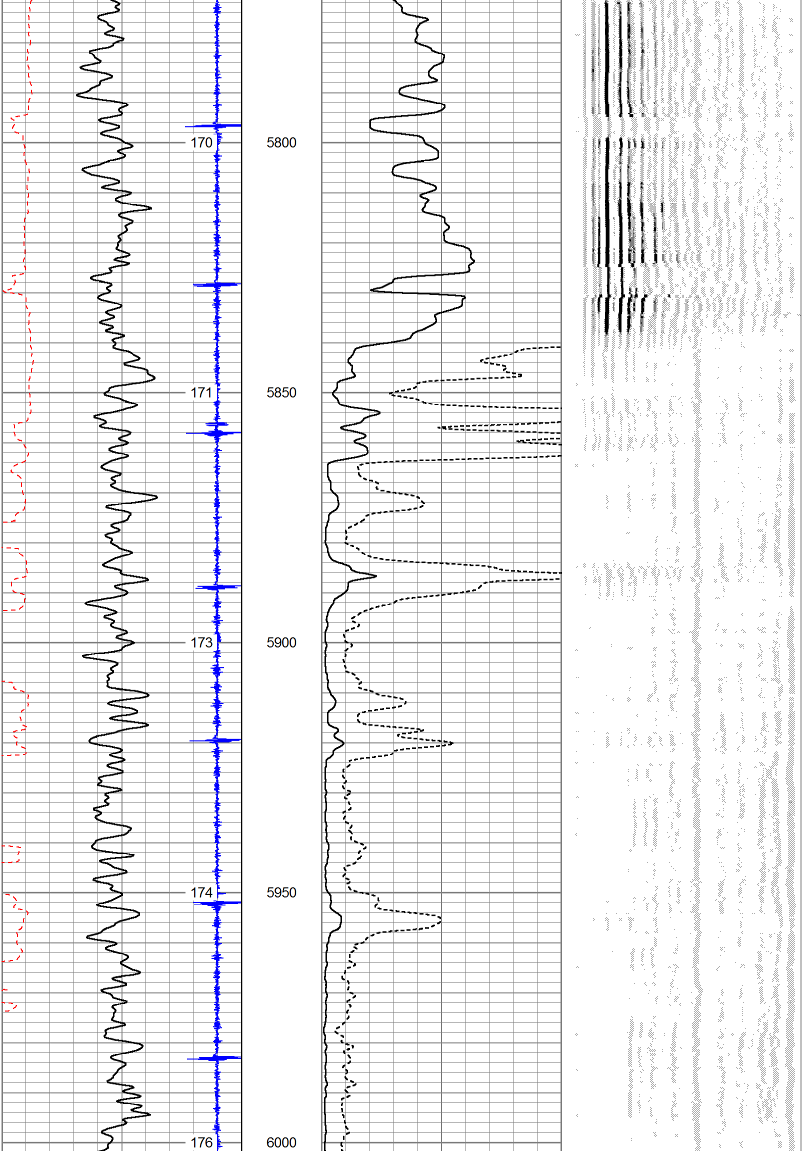


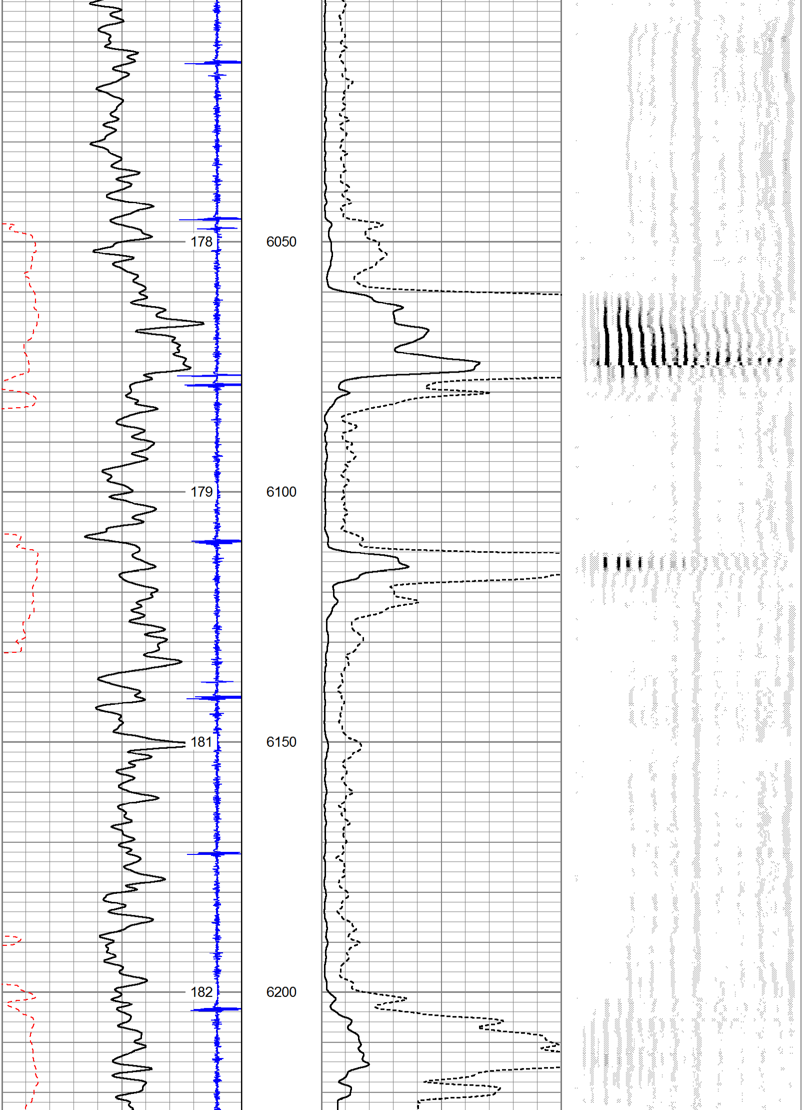


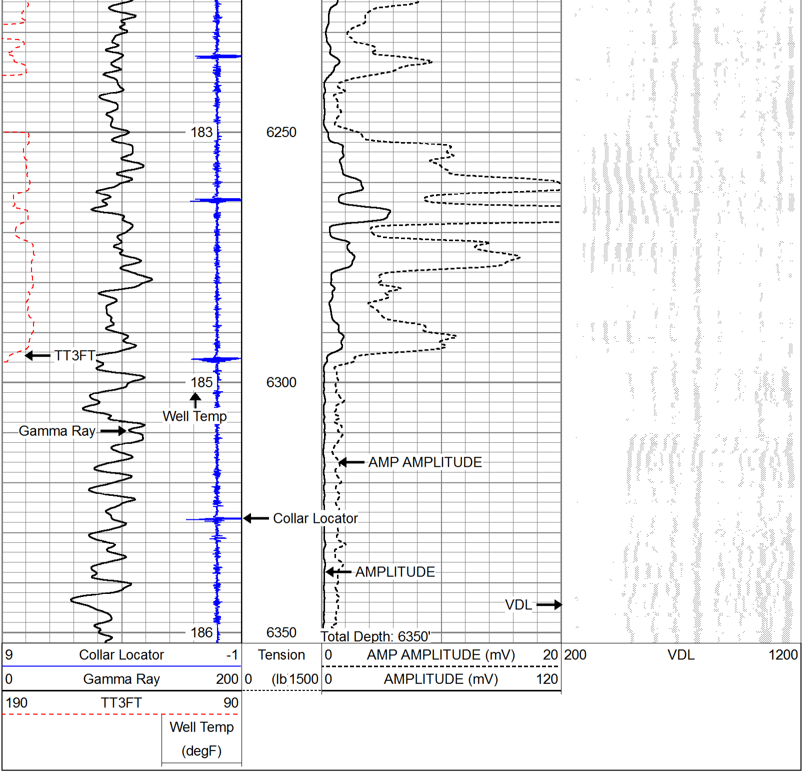












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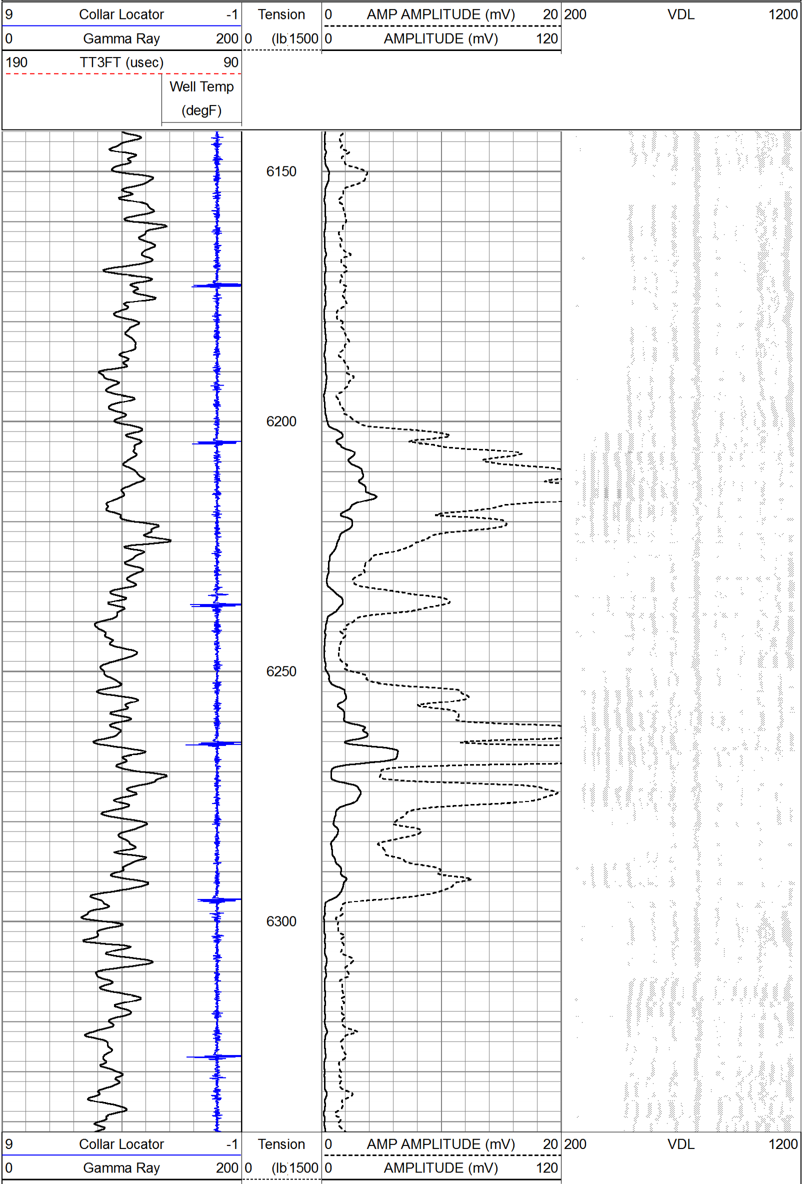
REPEAT SECTION

LOGGED WITH 0 PSI APPLIED AT SURFACE

Database File:	uprc federal 5-6k_cbl.db
Dataset Pathname:	cbl/pass1.2
Presentation Format:	cbldrssl
Dataset Creation:	Thu Mar 12 12:17:07 2015 by Calc 7.0 B1
Charted by:	Depth in Feet scaled 1:240



190	TT3FT (usec)	90
		Well Temp (degF)

Calibration Report

Database File: uprc federal 5-6k_cbl.db
Dataset Pathname: cbl/pass2
Dataset Creation: Thu Mar 12 09:30:30 2015 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	IXMM7-01	
Tool Model:	Tek-Co	
Performed:	Thu Mar 05 09:40:02 2015	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9500	/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	IUED8-02_2.875	
Tool Model:	T169Temp	
Calibration Casing Diameter:	2.875	in
Calibration Depth:	3571.683	ft

Master Calibration, performed Thu Mar 12 10:02:46 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.012	0.370	1.000	106.451	111.000	-0.500
CAL	0.510	0.510				
5'	0.016	0.294	1.000	106.451	379.366	-5.155
SUM						
S1	-0.013	1.685	0.000	100.000	58.877	0.786
S2	0.007	1.498	0.000	100.000	67.032	-0.443
S3	0.016	1.635	0.000	100.000	61.764	-0.980
S4	0.004	1.904	0.000	100.000	52.637	-0.233
S5	0.005	2.003	0.000	100.000	50.064	-0.257
S6	0.006	1.917	0.000	100.000	52.335	-0.307
S7						
S8						

Internal Reference Calibration, performed Thu Mar 12 09:39:37 2015:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.510	0.510	1.000	0.000

Air Zero Calibration, performed Thu Mar 12 09:29:22 2015:

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

Temperature Calibration Report

Serial Number:	IUED8-02_2.875
Tool Model:	T169Temp
Performed:	Thu Mar 05 12:57:06 2015

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

Gain:	0.33
Offset:	14.00
Delta Spacing	2

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Company	KERR-MCGEE OIL & GAS ONSHORE		
Well	UPRC FEDERAL 5-6K		
Field	WATTENBERG		
County	WELD		
State	CO	Country	USA