

Company: Occidental Petroleum

Well: SARCHET JOHN E UNIT 1

Field: Wattenberg

County: Weld State: Colorado

Cement Bond Log

Variable Density Log

County:	Weld				
Field:	Wattenberg				
Location:	SWSW				
Well:	SARCHET JOHN E UNIT 1				
Company:	Occidental Petroleum				
Location:		SWSW	Elev.:	K.B.	4931.00 ft
		990 FSL 990 FWL		G.L.	4922.00 ft
				D.F.	
		Permanent Datum:	Ground Level	Elev.:	4922.00 f
		Log Measured From:	Kelly Bushing	9.00 ft	above Perm.Datum
		Drilling Measured From:	Kelly Bushing		
		API Serial No.	Section:	Township:	Range:
		05-123-07389	22	3N	66W
Logging Date	26-Aug-2021				

Run Number	One	
Depth Driller	7980.00 ft	
Schlumberger Depth	7980.00 ft	
Bottom Log Interval	1166.00 ft	
Top Log Interval	36.00 ft	
Casing Fluid Type	Fresh Water	
Salinity		
Density	8.4 lbm/gal	
Fluid Level	8.00 ft	
BIT/CASING/TUBING STRING		
Bit Size	7.88 in	
From	575.00 ft	
To	7980.00 ft	
Casing/Tubing Size	4.5 in	
Weight	11.6 lbm/ft	
Grade	N/A	
From	0.00 ft	
To	7979.00 ft	
Max Recorded Temperatures	82.5 degF	
Logger on Bottom	26-Aug-2021	14:20:00
Unit Number	OSLC-HA 9115	Fort Morgan
Recorded By	T.Mozena/I.Nasir	
Witnessed By	David Almaraz	

Disclaimer

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

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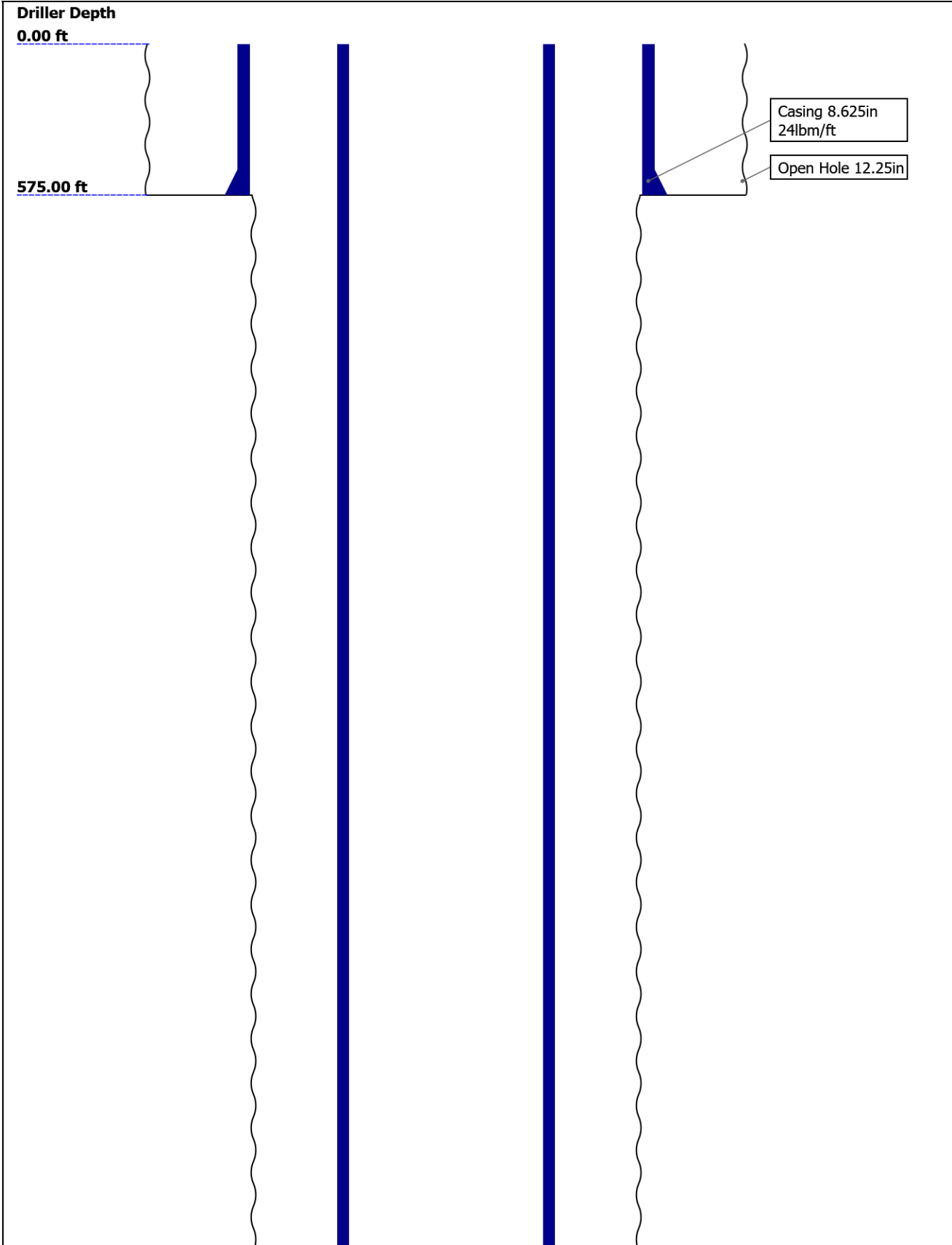
9.4 Log (Sonic CBL with VDL)

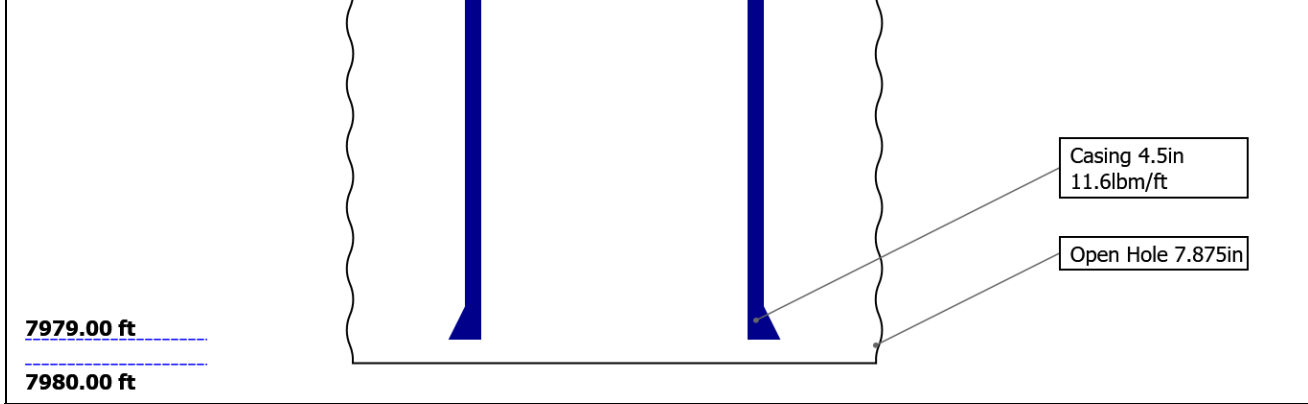
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11. Tail

Well Sketch



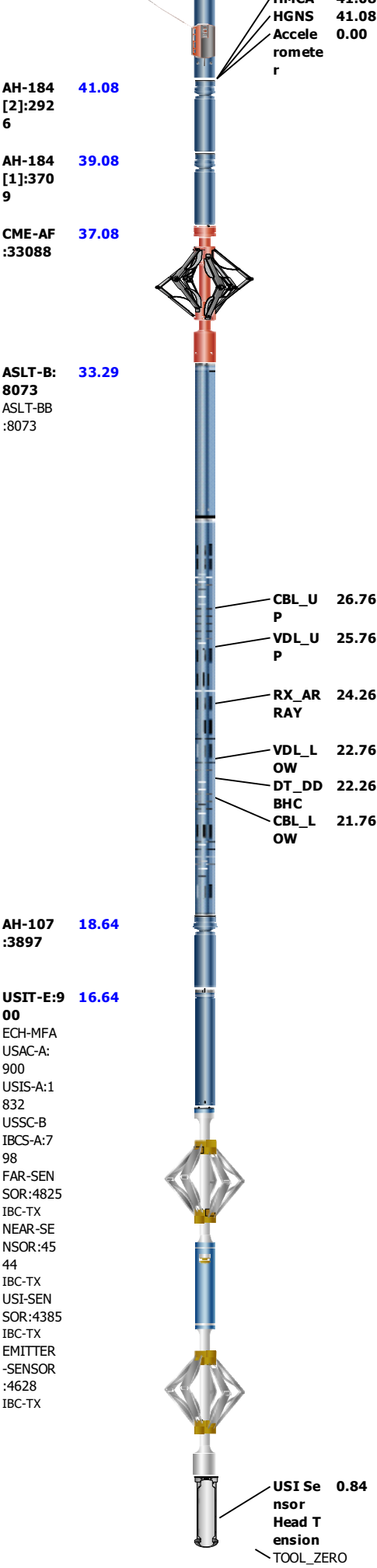


Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	12.25	7.875				
Top Driller (ft)	0	575				
Top Logger (ft)	0	575				
Bottom Driller (ft)	575	7980				
Bottom Logger (ft)	575	7980				
Casing						
Size (in)	8.625	4.5				
Weight (lbm/ft)	24	11.6				
Inner Diameter (in)	8.097	4				
Grade	N/A	N/A				
Top Driller (ft)	0	0				
Top Logger (ft)	0	0				
Bottom Driller (ft)	575	7979				
Bottom Logger (ft)	575	7979				

Remarks and Equipment Summary

One: Toolstring			One: Remarks		
<div><div><div>Equip nameLength</div><div>LEH-QT60.48</div><div>LEH-QT</div></div><div><div>EDTC-B56.99</div><div>EDTH-B</div><div>EDTG-A</div><div>EDTC-B</div></div><div><div>HGNS-B:1855</div><div>HGNH:1870</div><div>NPV-N</div><div>NSR-F:2069</div><div>HGNS-B:1855</div><div>HACCZ-B:659</div><div>HMCA-B</div></div></div> <div><div><div>CTEM53.49</div><div>ACCZ0.00</div><div>HV0.00</div><div>Gamm</div><div>a Ray</div><div>TelSta</div><div>tus</div><div>Tempe</div><div>rature</div><div>GR49.75</div><div>CNL Po</div><div>rosity</div><div>HMCA41.08</div></div></div>	MP nameOffset		Tool was run as per tool sketch		
			All logging intervals as per client request		
			Main pass recorded at 10 deg, 1.5 inch resolution at 500 PSI		
			Repeat pass recorded at 10 deg, 1.5 inch resolution at 0 psi		
			Neutron matrix: Limestone		



Lengths are in ft
Maximum Outer Diameter = 4.700 in
Line: Sensor Location, Value: Gating Offset
All measurements are relative to TOOL_ZERO

Depth Summary									
		One							
Depth Measuring Device									
Type	IDW-JA								
Serial Number	6611								
Calibration Date	07-Jun-2021								
Calibrator Serial Number	57								
Calibration Cable Type	7-39 PI-XXS								
Wheel Correction 1	-8								
Wheel Correction 2	-8								
Tension Device									
Type	CMTD-B/A								
Serial Number	1000								
Calibration Date	28-Jul-2021								
Calibrator Serial Number	78135A								
Number of Calibration Points	10								
Calibration Root Mean Square Error	4								
Calibration Peak Error	6								
Logging Cable									
Type	7-39PI-XXS								
Serial Number	2134								
Length	18000.00 ft								
Conveyance Type	Wireline								
Rig Type	Workover								
One:Depth Control Parameters				Depth Control Remarks					
Log Sequence	First Log In the Well			Schlumberger depth control procedures followed					
Rig Up Length At Surface				IDW used as primary depth control system					
Rig Up Length At Bottom				Z-Chart used as secondary depth control system					
Rig Up Length Correction									
Stretch Correction									
Tool Zero Check At Surface									
One									
Main 500 PSI									
Software Version									
Acquisition System						Version			
Maxwell 2021.0						11.0.209095.3100			
Application Patch						Wireline_Hotfix-Mandatory-2021.0_11.0.212029			
						Wireline_NPD-ThruBit-2021.0_11.0.210501			
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Main[2]:Up	Up	35.74 ft	1166.42 ft	26-Aug-2021 2:20:39 PM	26-Aug-2021 3:00:45 PM	ON	0.57 ft	Yes
All depths are referenced to toolstring zero									

Description: Sonic CBL with VDL Format: Log (Sonic CBL with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 26-Aug-2021 23:08:19

■ BIEP - Bond Index Event Pips ASLT-B

TIME_1900 - Time Marked every 60.00 (s)

Calibrated Gamma Ray (GR) HGNS-B

0 gAPI 150

Transit Time for CBL (TT) ASLT-B

400 us 200

Casing Collar Locator Ultrasonic (CCLU)
USIT-E

-19 in 1

Cable
Tension
(TENS)10000
lbf

CBL Amplitude (CBL) ASLT-B

0 mV 100

Min

Amplitude

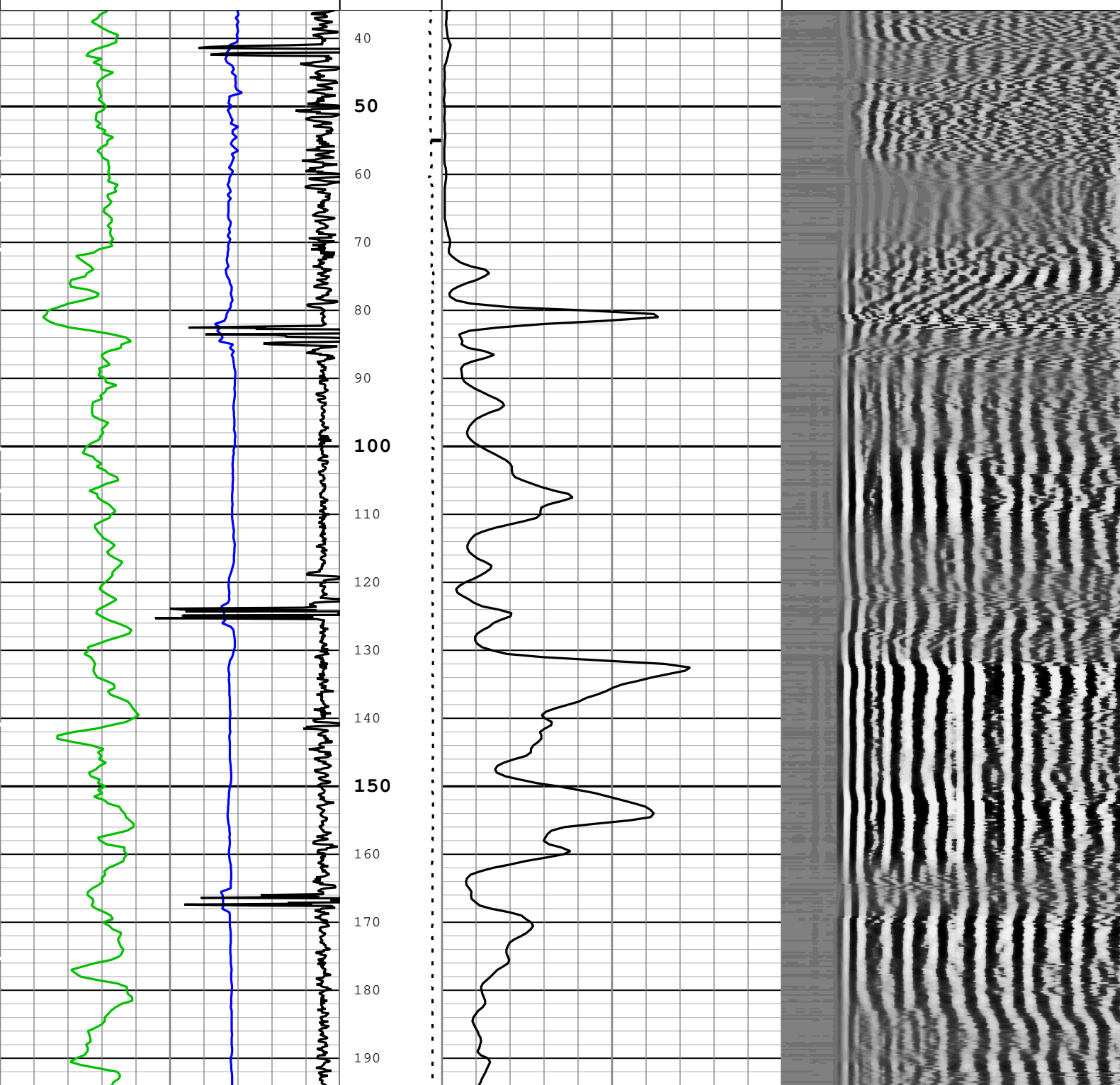
Max

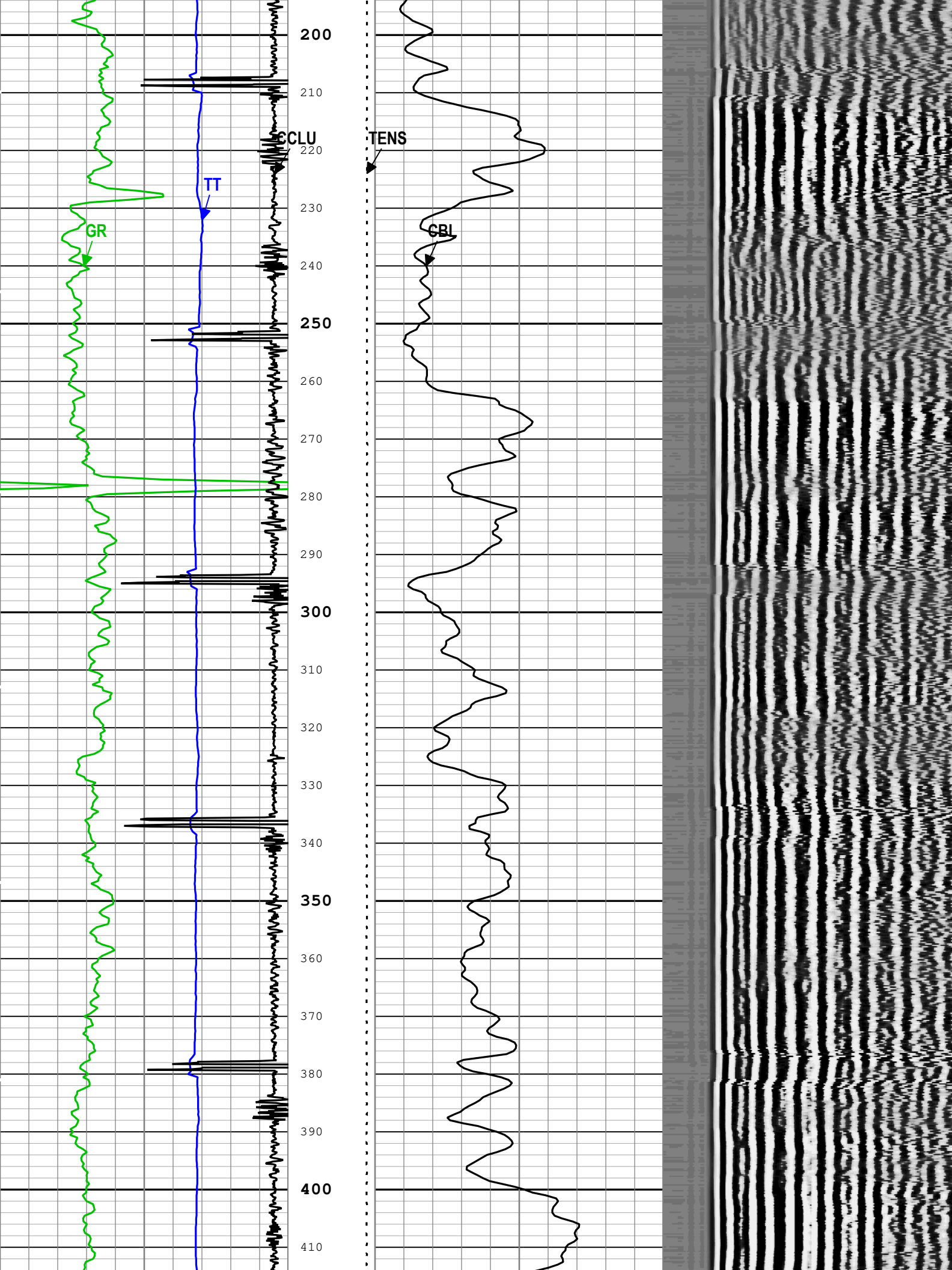
VDL VariableDensity (VDL) ASLT-B

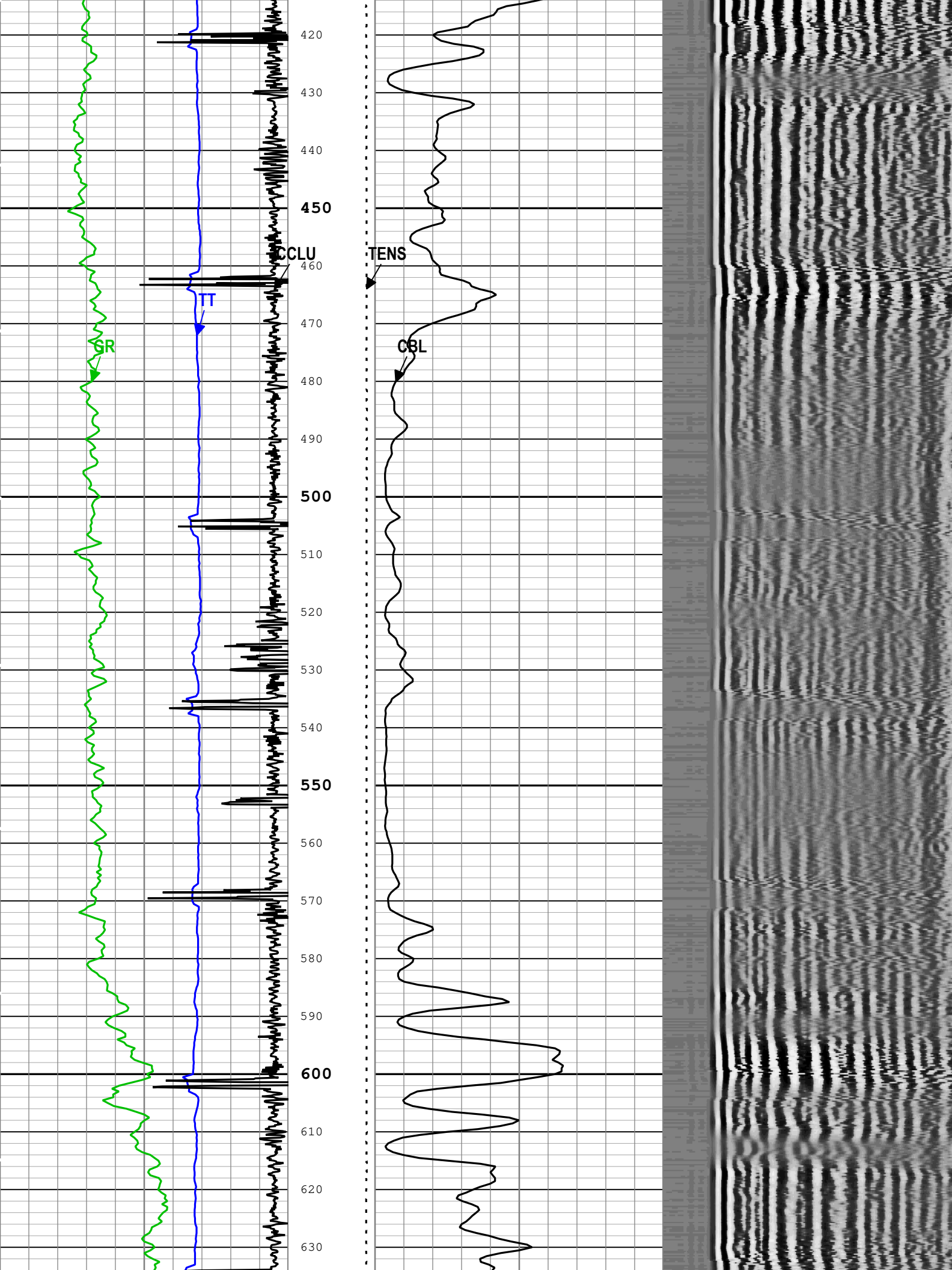
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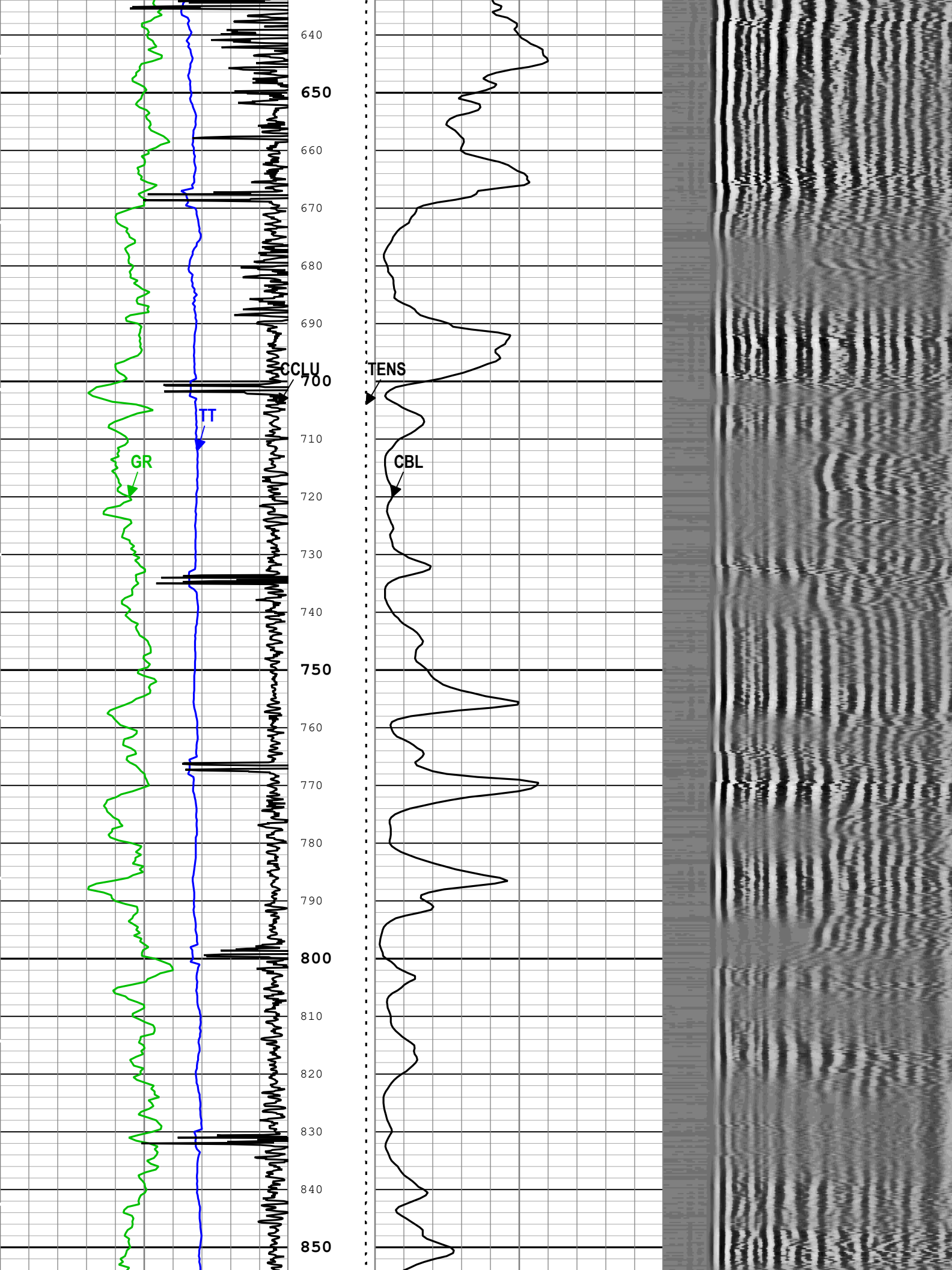
us

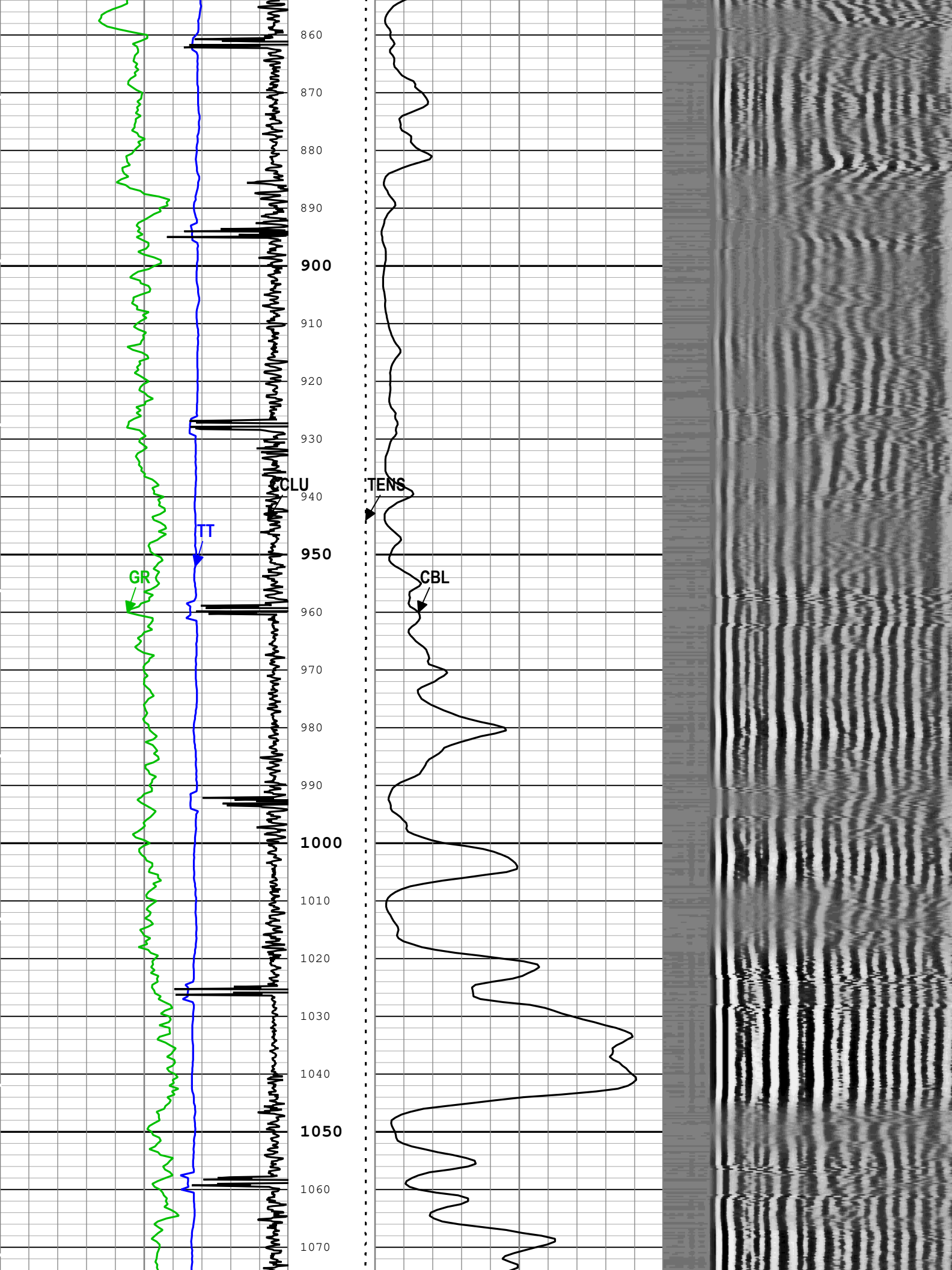
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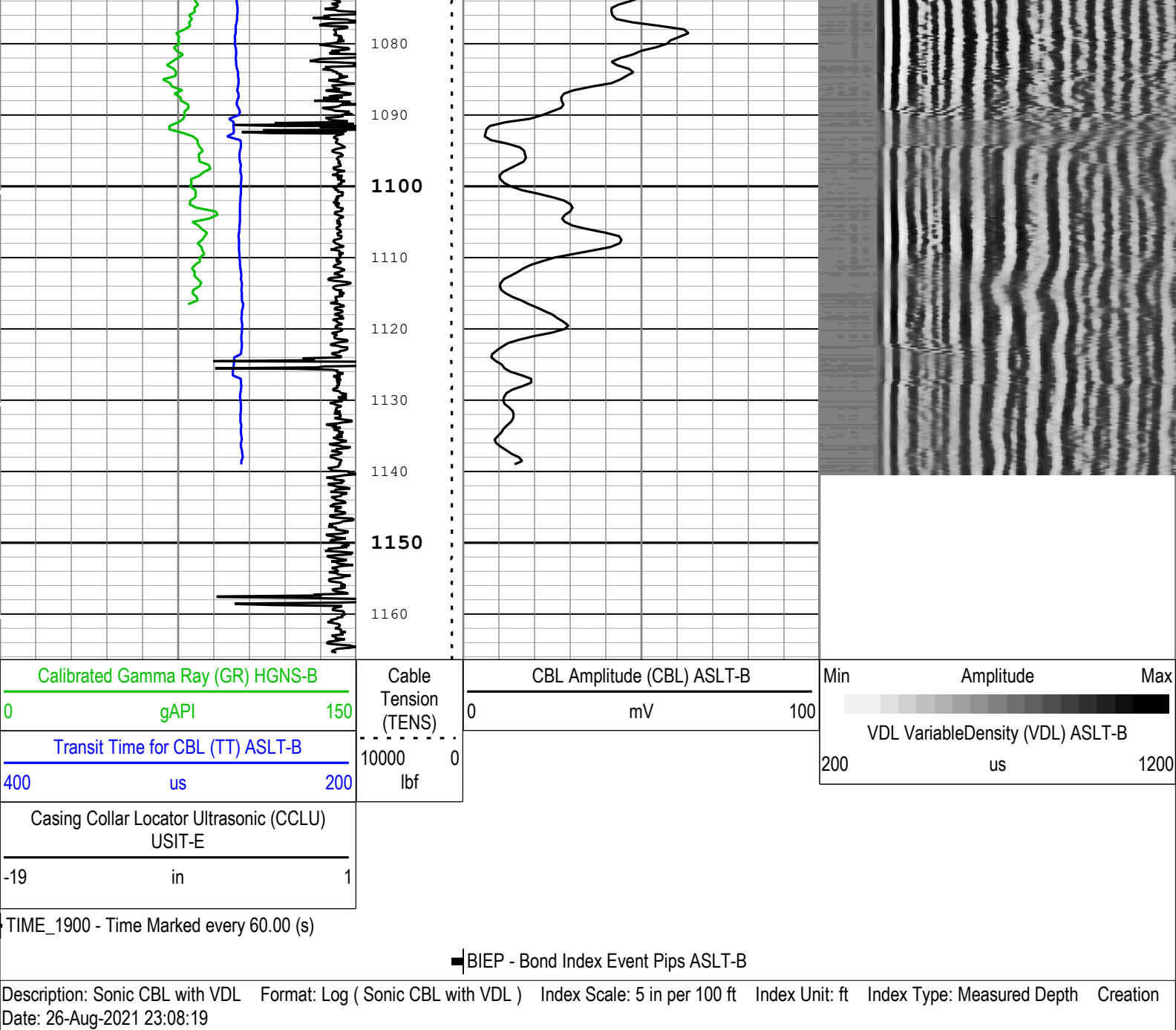












Channel Processing Parameters

One: Parameters

Parameter	Description	Tool	Value	Unit
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BS	Bit Size	WLSESSION	Depth Zoned	in
CBRA	CBL LQC Reference Amplitude in Free Pipe	ASLT-B	80	mV
CDEN	Cement Density	USIT-E	14.6	lbm/gal
CMTY(U-USIT_CENT)	Cement Type	USIT-E	Regular Cement	
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
FD	Fluid Density	USIT-E	10	lbm/gal
GOBO	Good Bond	ASLT-B	1.35	mV
GOBO_CURR	Good Bond in Arbitrary Cement	ASLT-B	1.35	mV
MEMO	Memory Buffer	ASLT-B	1.35	mV

HEMA	Hematite Presence Flag	Borehole	No	
IBC_FRP_OFFSET	IBC Flexural Offset from Free Pipe	USIT-E	0.75	dB/m
IBC_FVEL_SEL	IBC Fluid Velocity Selection	USIT-E	Automatic	
IBC_OFFSET_SEL	IBC Flexural Offset Selector	USIT-E	UFAO	
IBC_ZMUD_SEL	IBC Mud Impedance Selection	USIT-E	Theoretical	
IMAR	Image Rotation	USIT-E	Off	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	ASLT-B	55.52	dB/m
MCI	Minimum Cemented Interval for Isolation	ASLT-B	Depth Zoned	ft
MEAS_WLEN	Tcube Processing Window Length in Measurement Mode	USIT-E	15.37	us
MSA	Minimum Sonic Amplitude	ASLT-B	0.49	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	ASLT-B	0.49	mV
MUD_N_FRP	Free Pipe Mud Normalization Factor	USIT-E	1.13	
MUD_N_THE	Theoretical Mud Normalization Factor	USIT-E	1.13	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
U-USIT_DFSZ	Drilling Fluid Specific Acoustic Impedance	USIT-E	1.52	Mrayl
U-USIT_UFAO	SIT Flexural Attenuation Offset	USIT-E	0.75	dB/m
UFSFILT	Ultrasonic Flexural Surface Filter	USIT-E	LPF 250k	
U-USIT_UIAP	IBC Answer Product Enabled	USIT-E	ThirdInterfaceEcho	
ZMUD	Acoustic Impedance of Mud	Borehole	1.61	Mrayl
ZTCM	Acoustic Impedance Threshold for Cement	USIT-E	2.6	Mrayl
ZTGS	Acoustic Impedance Threshold for Gas	USIT-E	0.3	Mrayl

Depth Zone Parameters				
Parameter	Value	Start (ft)	Stop (ft)	
BS	12.25	36	575	
BS	7.875	575	1166.42	
MCI	12.98	36	575	
MCI	1.25	575	1166.42	

All depth are actual.

Tool Control Parameters

One: Parameters				
Parameter	Description	Tool	Value	Unit
AGMN	Minimum Gain of Cartridge	USIT-E	-12	dB
AGMX	Maximum Gain of Cartridge	USIT-E	48	dB
EMXV	EMEX Voltage	USIT-E	Time Zoned	V
IBC_ACQTYPE	IBC Acquisition type	USIT-E	DVR 1/4 and 1 MHz	
IBC_FLEXDBP	IBC Flex Duration Before Peak	USIT-E	30	us
ICE2_ACQ	Ultrasonic ICE2 Acquisition	USIT-E	Yes	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	2204.4	ft/h
MODE	SSLT Firing Mode	ASLT-B	Attenuation	
RATE	Firing Rate	ASLT-B	8.93	Hz
U-USIT_UFWB	Far Receiver Window Begin Time	USIT-E	110	us
U-USIT_UFWE	Far Receiver Window End Time	USIT-E	180	us
U-USIT_UNWB	Near Receiver Window Begin Time	USIT-E	80	us
U-USIT_UNWE	Near Receiver Window End Time	USIT-E	140	us
UPAT	USIT Emission Pattern	USIT-E	Pattern 750 KHz	
UWKM	USIT Working Mode	USIT-E	10 deg at 1.5 in	
U-USIT_UTAN	Transducer Angles	USIT-E	33_DEG	
VDM	SSLT VDL Display Mode	ASLT-B	R5	
WINB	Window Begin Time	USIT-E	18.52	us

WINE	Window End Time	USIT-E	70	us
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Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
EMXV	90	26-Aug-2021 14:20:39	26-Aug-2021 14:37:41	1166.42	681.23
EMXV	120	26-Aug-2021 14:37:41	26-Aug-2021 14:37:56	681.23	674.06
EMXV	100	26-Aug-2021 14:37:56	26-Aug-2021 15:00:45	674.06	35.74

All depth are at tool zero.

One

Repeat 0 PSI

Software Version

Acquisition System	Version
Maxwell 2021.0	11.0.209095.3100
Application Patch	Wireline_Hotfix-Mandatory-2021.0_11.0.212029
	Wireline_NPD-ThruBit-2021.0_11.0.210501

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Repeat[1]:Up	Up	912.99 ft	1167.63 ft	26-Aug-2021 2:07:40 PM	26-Aug-2021 2:16:06 PM	ON	0.38 ft	Yes

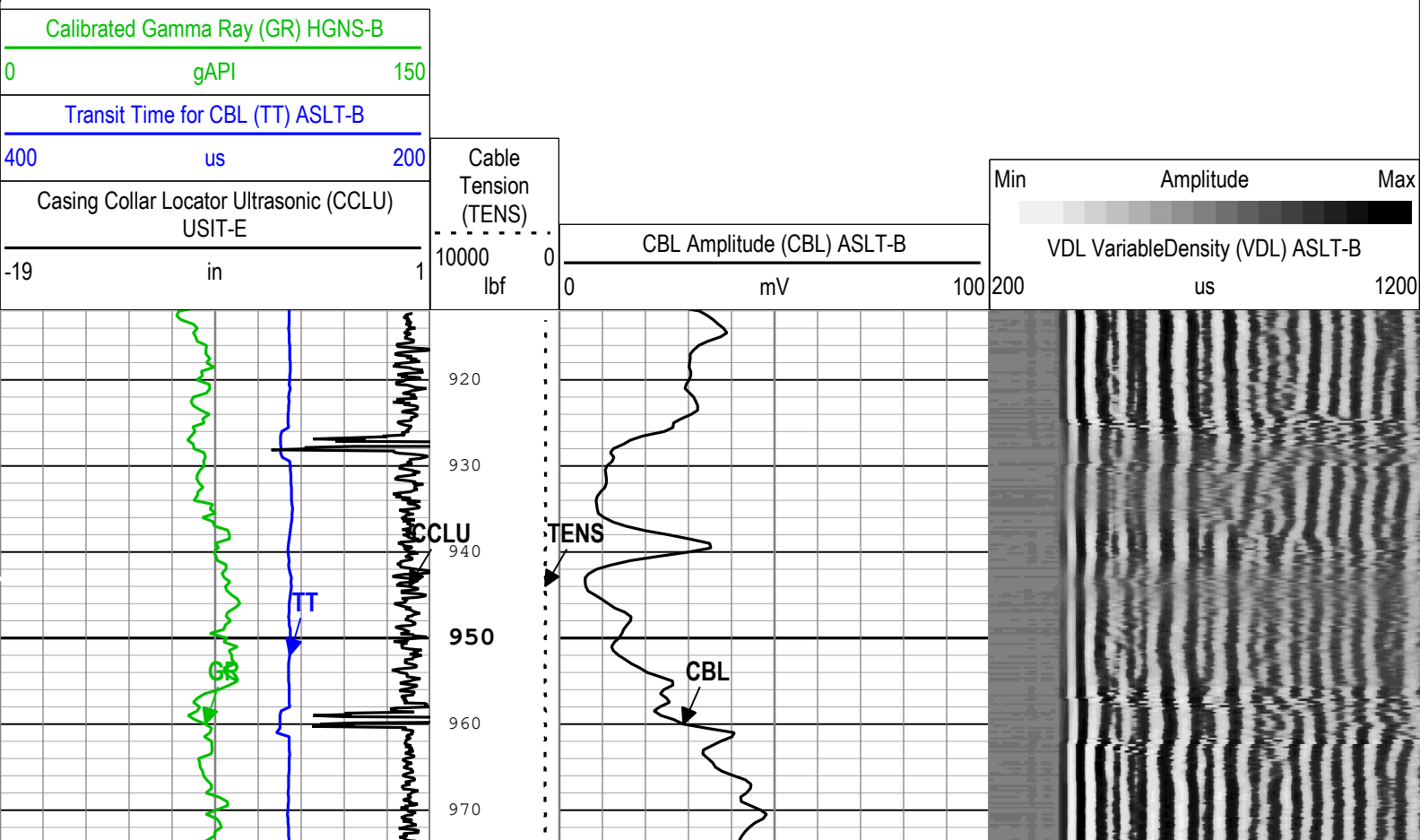
All depths are referenced to toolstring zero

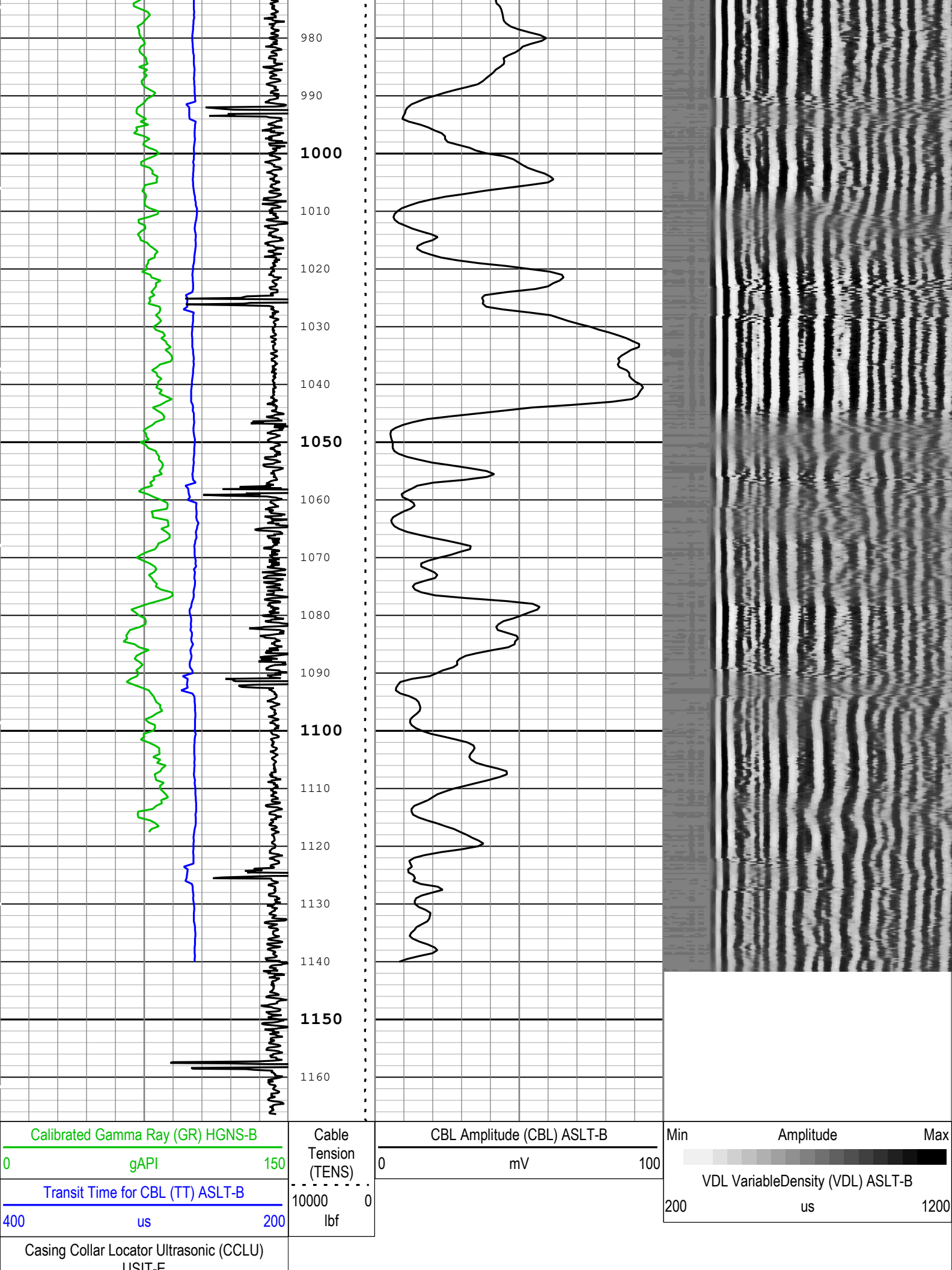
Log	Company:Occidental Petroleum	Well:SARCHET JOHN E UNIT 1
	One: Repeat[1]:Up:S006	

Description: Sonic CBL with VDL Format: Log (Sonic CBL with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 26-Aug-2021 23:08:24

■ BIEP - Bond Index Event Pips ASLT-B

TIME_1900 - Time Marked every 60.00 (s)





USIT-E		USIT-E	
-19	in	1	
TIME_1900 - Time Marked every 60.00 (s)			
BIEP - Bond Index Event Pips ASLT-B			
Description: Sonic CBL with VDL Format: Log (Sonic CBL with VDL) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 26-Aug-2021 23:08:24			

Channel Processing Parameters				
One: Parameters				
Parameter	Description	Tool	Value	Unit
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BS	Bit Size	WLSESSION	7.875	in
CBRA	CBL LQC Reference Amplitude in Free Pipe	ASLT-B	80	mV
CDEN	Cement Density	USIT-E	14.6	lbm/gal
CMTY(U-USIT_CEMT)	Cement Type	USIT-E	Regular Cement	
THNO	Nominal Casing Thickness - Zoned along logger depths	WLSESSION	0.25	in
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	8.4	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	206	us/ft
FD	Fluid Density	USIT-E	10	lbm/gal
GOBO	Good Bond	ASLT-B	1.35	mV
GOBO_CURR	Good Bond in Arbitrary Cement	ASLT-B	1.35	mV
HEMA	Hematite Presence Flag	Borehole	No	
IBC_FRP_OFFSET	IBC Flexural Offset from Free Pipe	USIT-E	0.75	dB/m
IBC_FVEL_SEL	IBC Fluid Velocity Selection	USIT-E	Automatic	
IBC_OFFSET_SEL	IBC Flexural Offset Selector	USIT-E	UFAO	
IBC_ZMUD_SEL	IBC Mud Impedance Selection	USIT-E	Theoretical	
IMAR	Image Rotation	USIT-E	Off	
MATT_CURR	Maximum Attenuation in Arbitrary Cement	ASLT-B	55.52	dB/m
MCI	Minimum Cemented Interval for Isolation	ASLT-B	1.25	ft
MEAS_WLEN	Tcube Processing Window Length in Measurement Mode	USIT-E	15.37	us
MSA	Minimum Sonic Amplitude	ASLT-B	0.49	mV
MSA_CURR	Minimum Sonic Amplitude in Arbitrary Cement	ASLT-B	0.49	mV
MUD_N_FRP	Free Pipe Mud Normalization Factor	USIT-E	1.13	
MUD_N_THE	Theoretical Mud Normalization Factor	USIT-E	1.13	
RUN_SNUM	Run Sequence Number	WSDRUN	1	
U-USIT_DFSZ	Drilling Fluid Specific Acoustic Impedance	USIT-E	1.52	Mrayl
U-USIT_UFAO	SIT Flexural Attenuation Offset	USIT-E	0.75	dB/m
UFSFILT	Ultrasonic Flexural Surface Filter	USIT-E	LPF 250k	
U-USIT_UIAP	IBC Answer Product Enabled	USIT-E	ThirdInterfaceEcho	
ZMUD	Acoustic Impedance of Mud	Borehole	1.61	Mrayl
ZTCM	Acoustic Impedance Threshold for Cement	USIT-E	2.6	Mrayl
ZTGS	Acoustic Impedance Threshold for Gas	USIT-E	0.3	Mrayl

Tool Control Parameters				
One: Parameters				
Parameter	Description	Tool	Value	Unit
AGMN	Minimum Gain of Cartridge	USIT-E	-12	dB
AGMX	Maximum Gain of Cartridge	USIT-E	48	dB
EMDPA	EMDPA Multiplier	USIT-E	Time Zone	us

EMXV	EMEX Voltage	USIT-E	Time Zoned	V
IBC_ACQTYPE	IBC Acquisition type	USIT-E	DVR 1/4 and 1 MHz	
IBC_FLEXDBP	IBC Flex Duration Before Peak	USIT-E	30	us
ICE2_ACQ	Ultrasonic ICE2 Acquisition	USIT-E	Yes	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	2204.4	ft/h
MODE	SSLT Firing Mode	ASLT-B	Attenuation	
RATE	Firing Rate	ASLT-B	8.93	Hz
U-USIT_UFWB	Far Receiver Window Begin Time	USIT-E	Time Zoned	us
U-USIT_UFWE	Far Receiver Window End Time	USIT-E	Time Zoned	us
U-USIT_UNWB	Near Receiver Window Begin Time	USIT-E	Time Zoned	us
U-USIT_UNWE	Near Receiver Window End Time	USIT-E	Time Zoned	us
UPAT	USIT Emission Pattern	USIT-E	Pattern 750 KHz	
UWKM	USIT Working Mode	USIT-E	10 deg at 1.5 in	
U-USIT_UTAN	Transducer Angles	USIT-E	33_DEG	
VDM	SSLT VDL Display Mode	ASLT-B	R5	
WINB	Window Begin Time	USIT-E	18.52	us
WINE	Window End Time	USIT-E	Time Zoned	us

Time Zone Parameters					
Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
EMXV	70	26-Aug-2021 14:07:40	26-Aug-2021 14:08:23	1167.62	1149.16
EMXV	90	26-Aug-2021 14:08:23	26-Aug-2021 14:16:06	1149.16	912.99
U-USIT_UFWB	125	26-Aug-2021 14:07:40	26-Aug-2021 14:10:20	1167.62	1088.04
U-USIT_UFWB	110	26-Aug-2021 14:10:20	26-Aug-2021 14:16:06	1088.04	912.99
U-USIT_UFWE	165	26-Aug-2021 14:07:40	26-Aug-2021 14:10:31	1167.62	1082.54
U-USIT_UFWE	180	26-Aug-2021 14:10:31	26-Aug-2021 14:16:06	1082.54	912.99
U-USIT_UNWB	94	26-Aug-2021 14:07:40	26-Aug-2021 14:10:00	1167.62	1098.18
U-USIT_UNWB	90	26-Aug-2021 14:10:00	26-Aug-2021 14:11:06	1098.18	1064.38
U-USIT_UNWB	80	26-Aug-2021 14:11:06	26-Aug-2021 14:16:06	1064.38	912.99
U-USIT_UNWE	134	26-Aug-2021 14:07:40	26-Aug-2021 14:09:54	1167.62	1101.56
U-USIT_UNWE	140	26-Aug-2021 14:09:54	26-Aug-2021 14:16:06	1101.56	912.99
WINE	58.52	26-Aug-2021 14:07:40	26-Aug-2021 14:09:40	1167.62	1108.92
WINE	70	26-Aug-2021 14:09:40	26-Aug-2021 14:16:06	1108.92	912.99
All depth are at tool zero.					

Calibration Report	
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ASLT-B (Array Sonic Logging Tool - B) Calibration - Run One
Primary Equipment :
<div>Array Sonic Logging Tool - BB</div> <div>ASLT-BB</div> <div>8073</div>

CBL Amplitude Free Pipe Adjustment - Free Pipe Measurements								
Before (Measured):		15:08:35 26-Aug-2021						
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
CBL Amplitude (CBLF)	mV	Before	----	----	155.88	----		
CBL Reference Amplitude (CBRA)	mV	Before	----	----	80.00	----		
Measurement Depth (DEPTH)	ft	Before	----	----	428.46	----		

CBL Amplitude Free Pipe Adjustment - CBL Amplitude Coefficients							
Before (Measured):		15:08:35 26-Aug-2021					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div></div>
CBL Adjustment Factor (CBL_ADJUST_FACTOR)		Before	1.000	0.300	0.513	3.000	<div><div></div></div>
Depth of Before Calibration (BDEP)	ft	Before	----	----	428.46	----	<div><div></div></div>

HGNS-B (HILT Gamma-Ray and Neutron Sonde, 125 degC) Calibration - Run One

Primary Equipment :			
HILT Gamma-Ray and Neutron Sonde, 125 degC	HGNS-B	1855	
Auxiliary Equipment :			
HGNS Accelerometer, 125 degC	HACCZ-B	659	
AmBe Neutron Logging Source	NSR-F	2069	
Calibration Parameter :			
Water Temperature			
Housing Size			
JIG-BKG			

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before (Measured):		14:04:00 26-Aug-2021					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	ft/s2	Before	32.2	31.5	32.2	32.8	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (EEPROM):		18:00:00 14-Dec-1998					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Accelerometer Manufacturer		Master	----	----	Sunstrand	----	
Accelerometer Reference Temperature	degF	Master	----	30.2	68.0	122.0	
Accelerometer Coefficients - 0		Master	----	----	3999.000	----	
Accelerometer Coefficients - 1		Master	----	----	1.550	----	
Accelerometer Coefficients - 2		Master	----	----	0.051	----	
Accelerometer Coefficients - 3		Master	----	----	0.000	----	
Accelerometer Coefficients - 4		Master	----	----	2.181	----	
Accelerometer Coefficients - 5		Master	----	----	0.000	----	
Accelerometer Coefficients - 6		Master	----	----	0.000	----	
Accelerometer Coefficients - 7		Master	----	----	0.000	----	
Accelerometer Coefficients - 8		Master	----	----	295.900	----	
Accelerometer Coefficients - 9		Master	----	----	0.998	----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (EEPROM):		16:25:00 20-May-2021		Before (Measured):			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement	1/s	Master	0	10.0	28.0	40.0	
		Before	0	10.0	28.3	40.0	
		Before-Master	----	-4.2	0.3	4.2	
Far Zero Measurement	1/s	Master	0	10.0	28.6	40.0	
		Before	0	10.0	27.6	40.0	
		Before-Master	----	-4.3	-1.0	4.3	
Near Plus Measurement	1/s	Master	6031.0	4700.0	5323.0	6900.0	
		Before	----	----	----	----	
		Before-Master	----	----	----	----	
Far Plus Measurement	1/s	Master	2793.0	1900.0	2259.0	2900.0	
		Before	----	----	----	----	
		Before-Master	----	----	----	----	
Near Corrected Plus Measurement	1/s	Master	----	4700.0	5375.0	6900.0	
		Before	----	----	----	----	
		Before-Master	----	----	----	----	
Far Corrected Plus Measurement	1/s	Master	----	1900.0	2282.0	2900.0	
		Before	----	----	----	----	
		Before-Master	----	----	----	----	

HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations

Before (Measured):							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement	gAPI	Before	30.0	0	87.4	120.0	
RGR Plus Measurement - 0	gAPI	Before					

RGR Plus Measurement - 0	gAPI	Before	-----	-----	-----	-----	<div></div>
GR Calibration Gain - 0		Before	-----	-----	-----	-----	<div></div>

EDTC-B (Enhanced Digital Telemetry Cartridge - Version B) Calibration - Run One

Primary Equipment :	EDTC-B	EDTC-B
Calibration Parameter :	Plus Reference	

EDTC-B Accelerometer Calibration - EDTC-B Accelerometer Calibration

Before (Measured):	14:03:56 26-Aug-2021						
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
AZ Vertical Measurement	ft/s2	Before	32.19	31.53	32.06	32.84	<div></div>

EDTC-B Gamma-Ray Calibration - Gamma Ray Coefficients

Before (Measured):	10:38:08 03-Aug-2021						
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
Gamma Ray Gain - 0		Before	-----	-----	-----	-----	<div></div>

EDTC-B Gamma-Ray Calibration - Gamma Ray Accumulations

Before (Measured):	10:38:08 03-Aug-2021						
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
RGR Zero Measurement	gAPI	Before	-----	0	80.524	120.000	<div></div>
RGR Plus Measurement - 0	gAPI	Before	-----	-----	-----	-----	<div></div>

Company:	Occidental Petroleum	Schlumberger
Well:	SARCHET JOHN E UNIT 1	
Field:	Wattenberg	

County:	Weld
State:	Colorado
Cement Bond Log	
Variable Density Log	