

HALLIBURTON

HIGH FREQUENCY DIELECTRIC LOG

COMPANY		OXY USA INC.	
WELL		DEWELL B-1	
FIELD/BLOCK		VICTORY	
COUNTY		HASKELL	
STATE		KANSAS	
Permanent Datum		G.L.	
Log measured from		KB	
Drilling measured from		KB	
Date		01-Sep-13	
Run No.		ONE	
Depth - Driller		5784.00 ft	
Depth - Logger		5770.0 ft	
Bottom - Logged Interval		5705	
Top - Logged Interval		4100	
Casing - Driller		8.625 in @ 1603.0 ft	
Casing - Logger		1599.0 ft	
Bit Size		7.875 in @	
Type Fluid in Hole		WATER BASED	
Density		9.2 ppg 48.00 s/qt	
PH		10.20 pH 6.0 cp/m	
Source of Sample		MUD PIT	
Rm @ Meas. Temperature		1.090 ohmm @ 85.00 degF @	
Rmf @ Meas. Temperature		0.93 ohmm @ 85.00 degF @	
Rmc @ Meas. Temperature		1.250 ohmm @ 85.00 degF @	
Source Rmf		CALCULATED	
Rm @ BHT		0.69 ohmm @ 138.0 degF @	
Time Since Circulation		14.5 hr	
Time on Bottom		02-Sep-13 01:34	
Max. Rec. Temperature		138.0 degF @ 5770.0 ft @	
Equipment		11072142 LIBERAL	
Recorded By		SHELDON INGERSOLL	
Witnessed By		M. BONNER	

COMPANY	OXY USA INC.
WELL	DEWELL B-1
FIELD/BLOCK	VICTORY
COUNTY	HASKELL
STATE	KANSAS

API No. 15081220300000

Location (SHL) 1210' FSL & 1240' FEL NW-NW-SE-SE

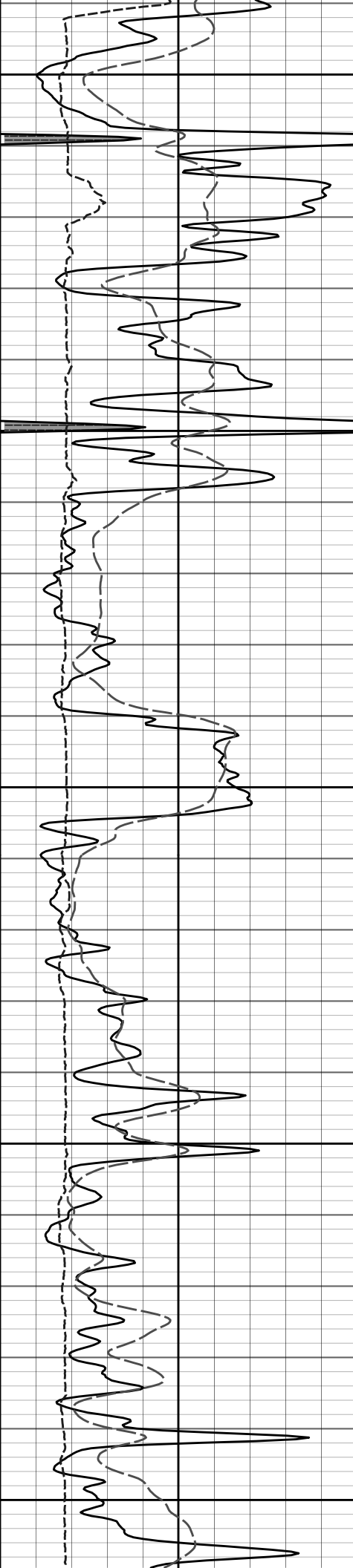
Other Services:
DSN / SDL
MICROLOG
HFDT
BSAT
ACRT

Sect. 17	Twp. 29 S	Rge. 33 W
Elev. 2972.0 ft		
D.F. 2982.0 ft		
G.L. 2972.0 ft		

Fold here

Service Ticket No.: 900707138				API Serial No.: 15081220300000				PGM Version: WL INSITE R3.8.4 (Build 5)							
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES									
Date		Sample No.				Type Log		Depth		Scale Up Hole		Scale Down Hole			
Depth-Driller															
Type Fluid in Hole															
Density		Viscosity													
Ph		Fluid Loss													
Source of Sample						RESISTIVITY EQUIPMENT DATA									
Rm @ Meas. Temp		@		@		Run No.		Tool Type & No.		Pad Type		Tool Pos.		Other	
Rmf @ Meas. Temp.		@		@		ONE		ACRT		N/A		CENT			
Rmc @ Meas. Temp.		@		@				11055059							
Source Rmf		Rmc				ONE		HFDT				ECCENT			
Rm @ BHT		@		@				11997111							
Rmf @ BHT		@		@											
Rmc @ BHT		@		@											
EQUIPMENT DATA															
GAMMA				ACOUSTIC				DENSITY				NEUTRON			
Run No.		ONE		Run No.		ONE		Run No.		ONE		Run No.		ONE	
Serial No.		11048627		Serial No.		10747683		Serial No.		10844781		Serial No.		11019643	
Model No.		GTET		Model No.		BSAT		Model No.		SDLT		Model No.		DSNT	
Diameter		3.625"		No. of Cent.		2		Diameter		5.3"		Diameter		3.625"	
Detector Model No.		T-102		Spacing		.5'		Log Type		GAM-GAM		Log Type		NEU-NEU	
Type		SCINT						Source Type		CS-137		Source Type		AM-241BE	
Length		8"		LSA [Y/N]				Serial No.		5168GW		Serial No.		DSN-424	
Distance to Source		N/A		FWDA [Y/N]				Strength		1.5 CI		Strength		15 CI	
LOGGING DATA															

GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE		1599	REC	0	150	30	-10	47.6 us/ft	30	-10	2.71 gm/cc	30	-10	LIME
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.														



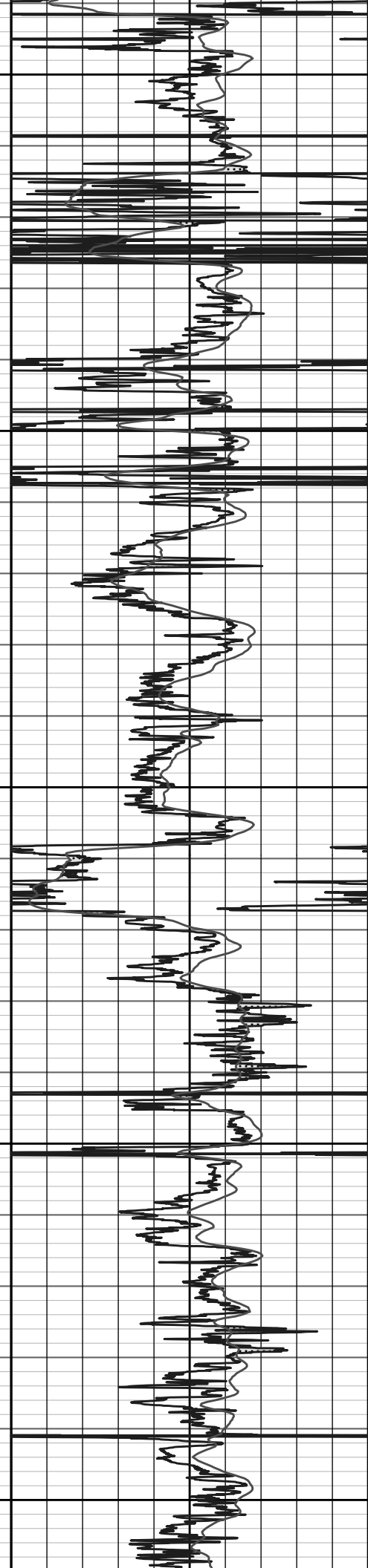
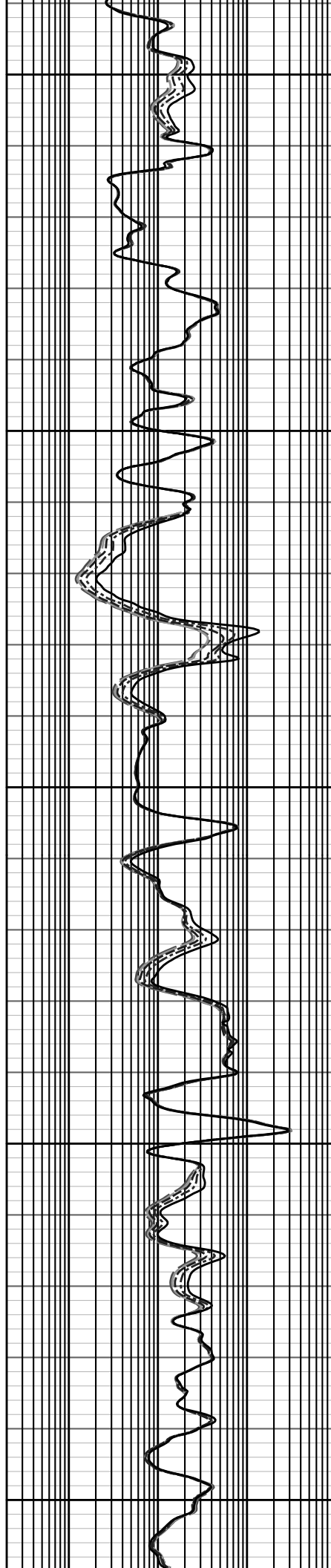
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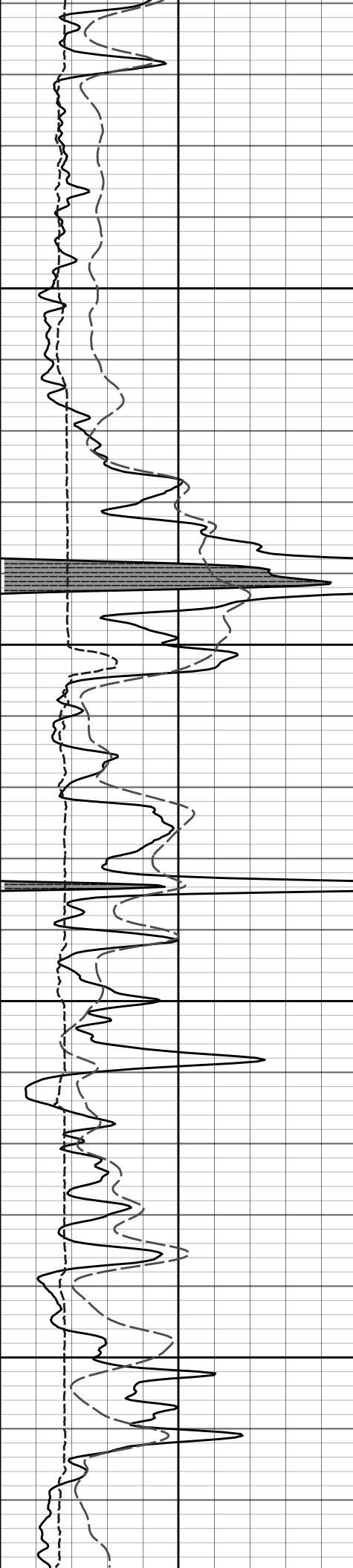
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4250

4300

4350



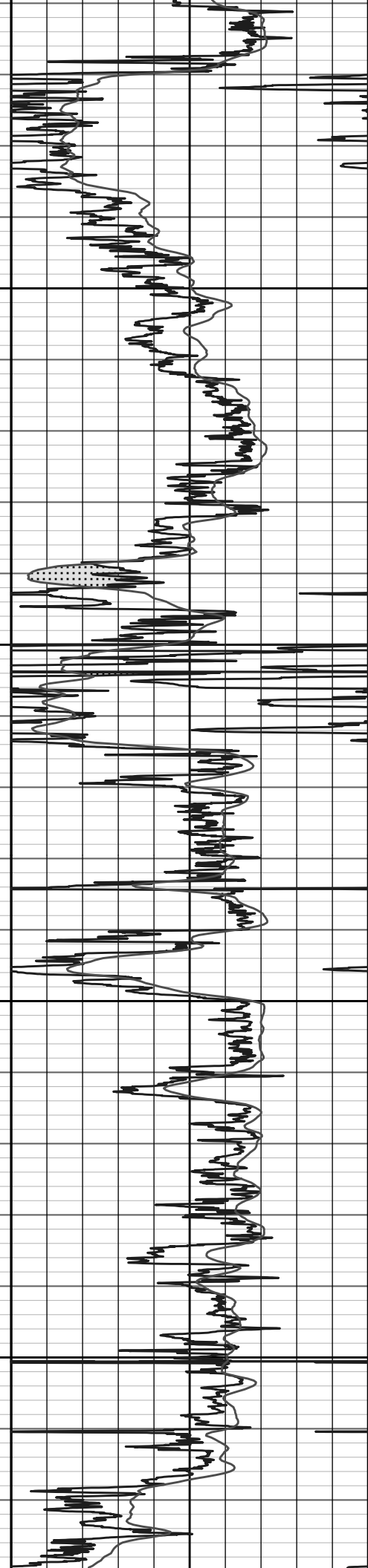
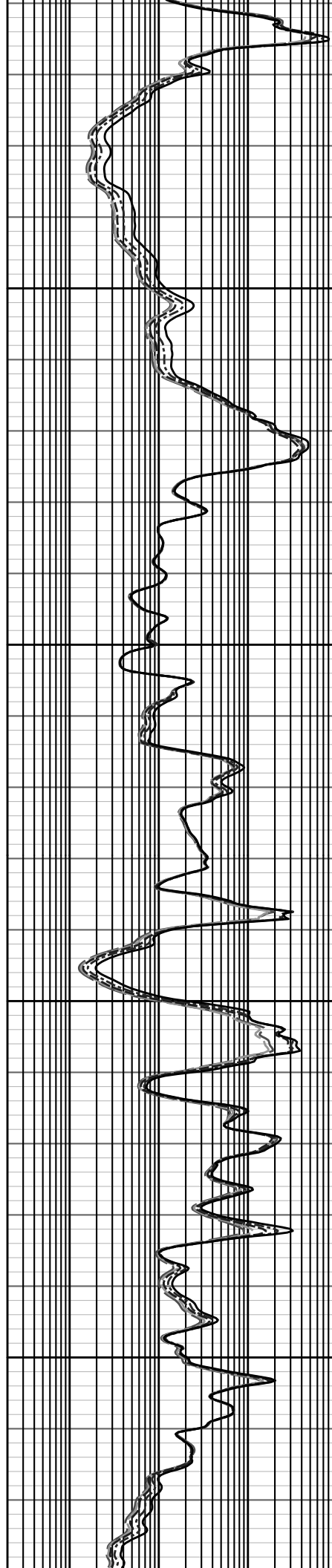


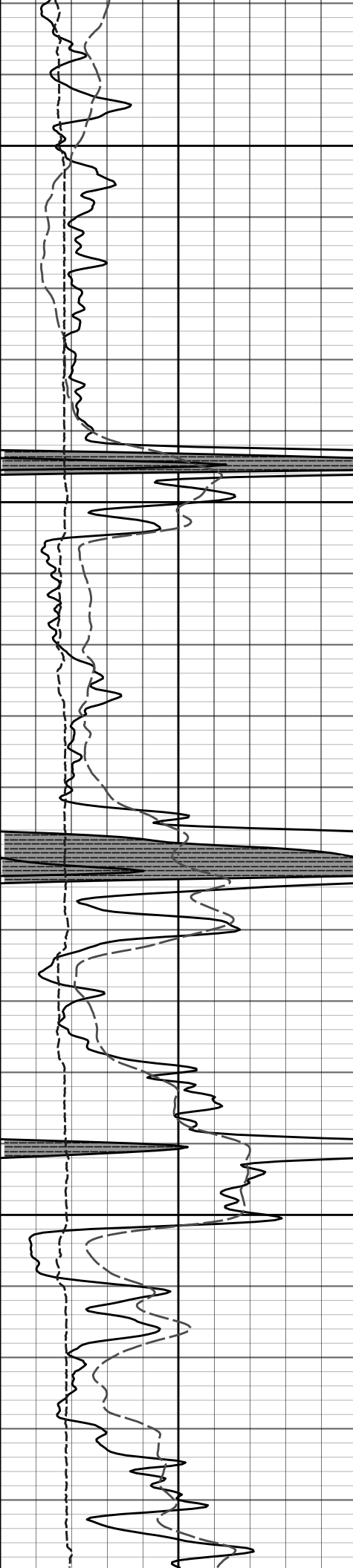
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4500

4550





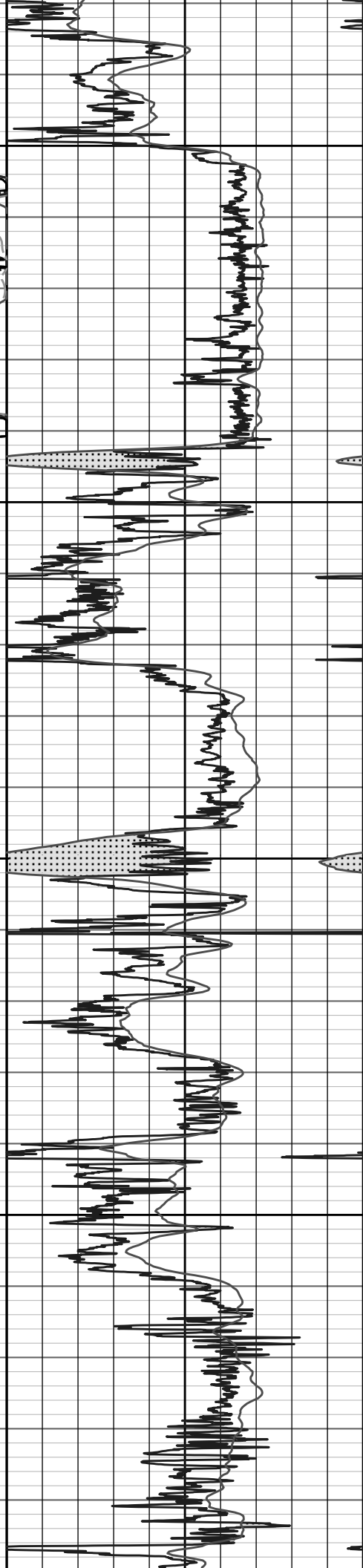
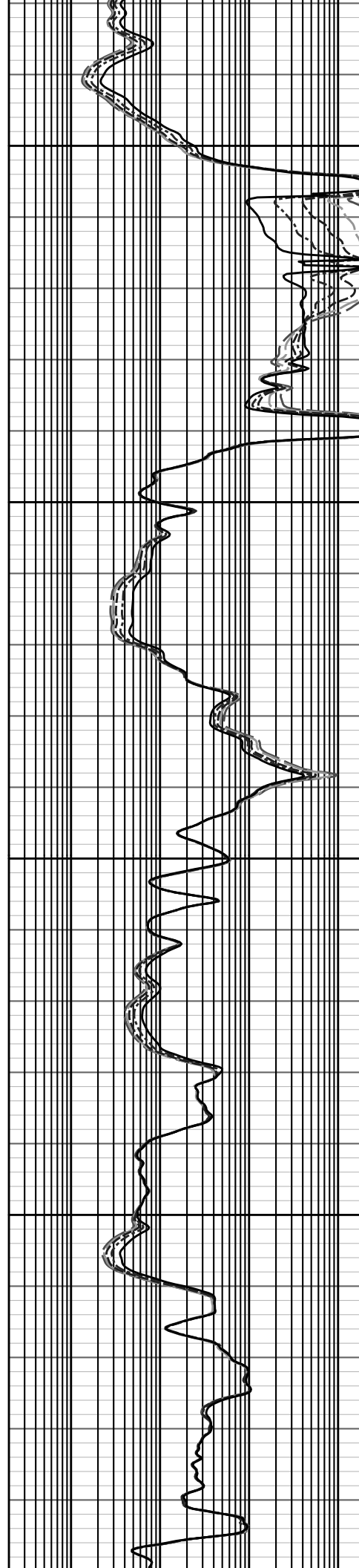
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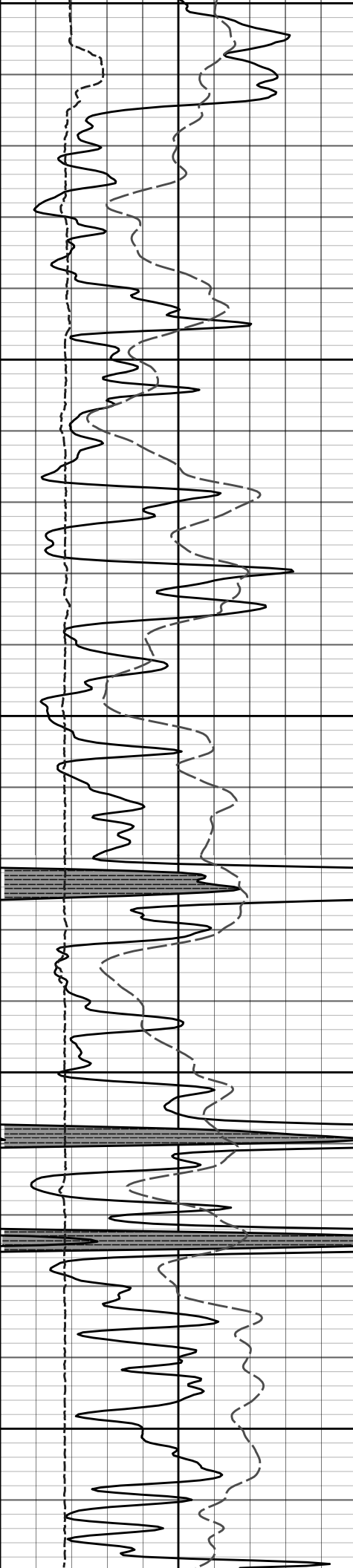
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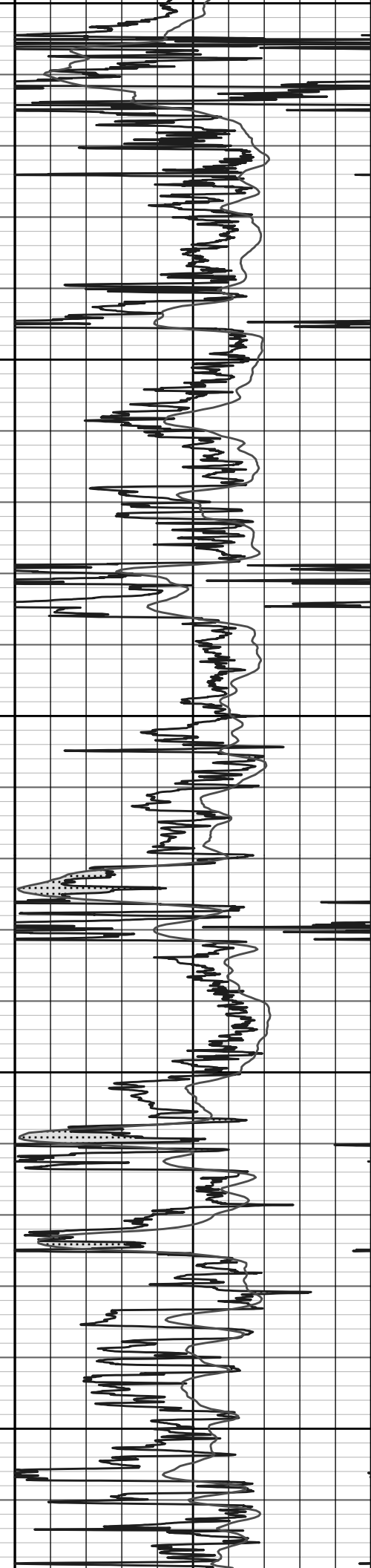
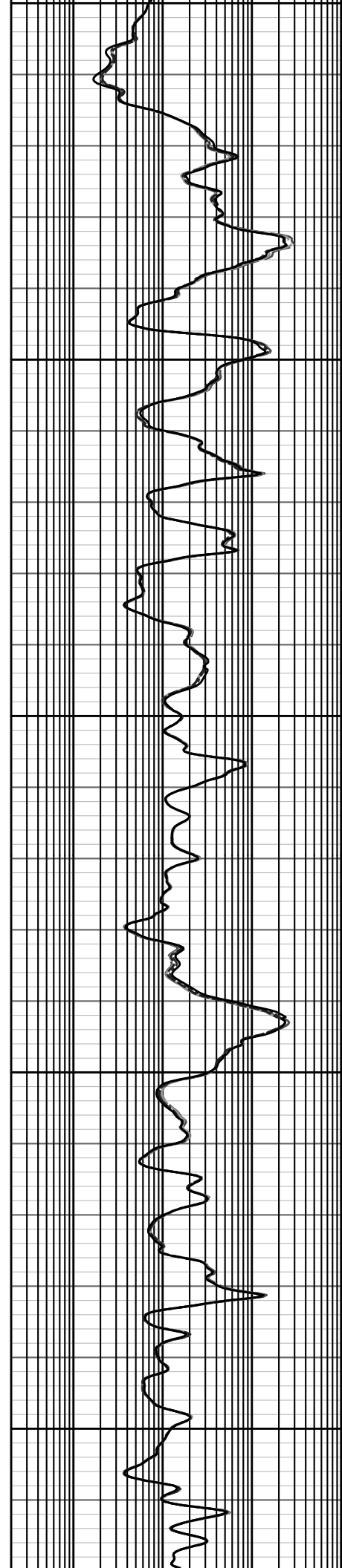
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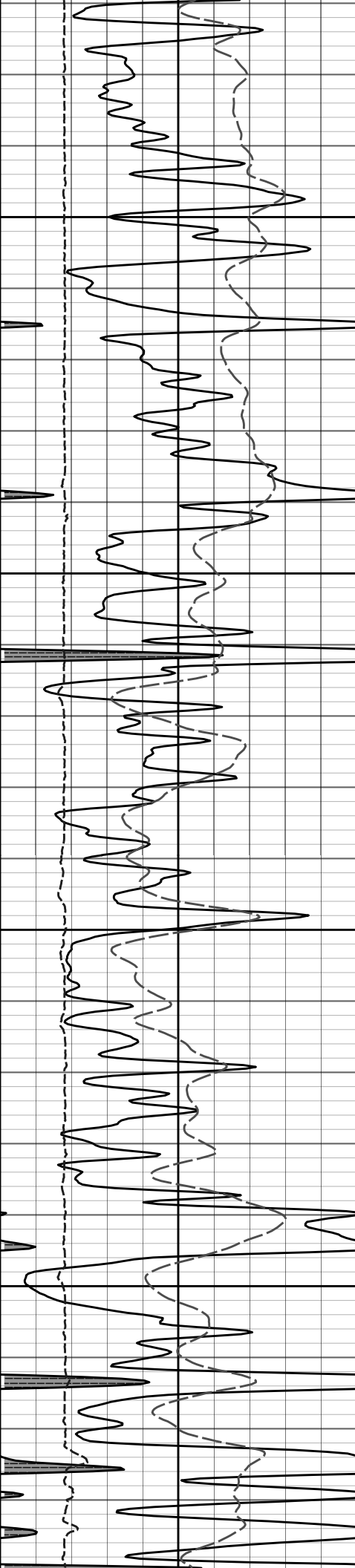
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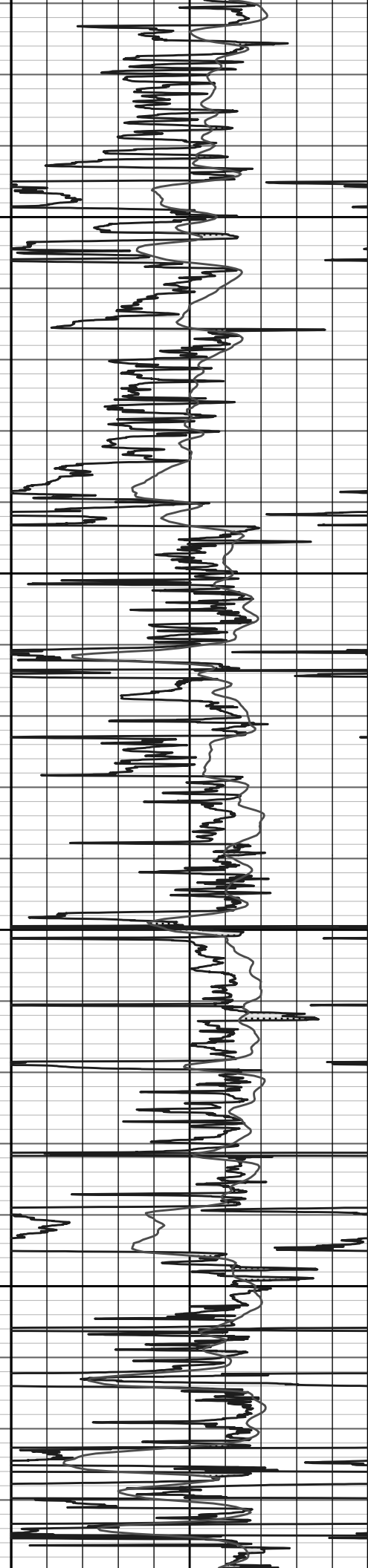
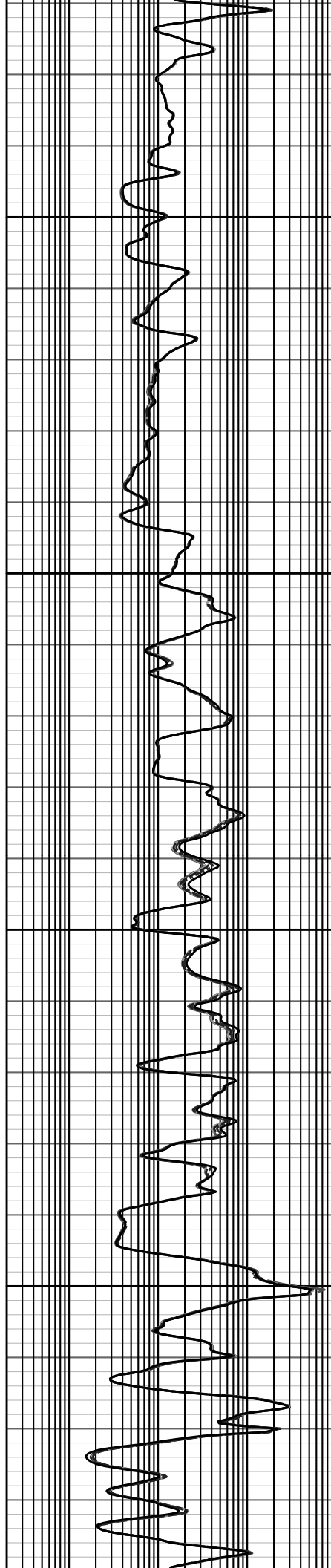


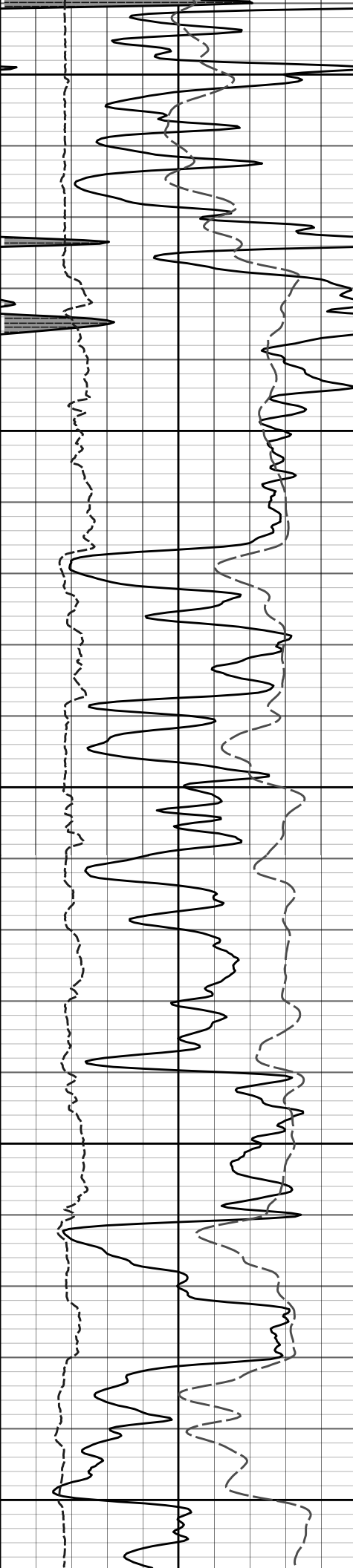
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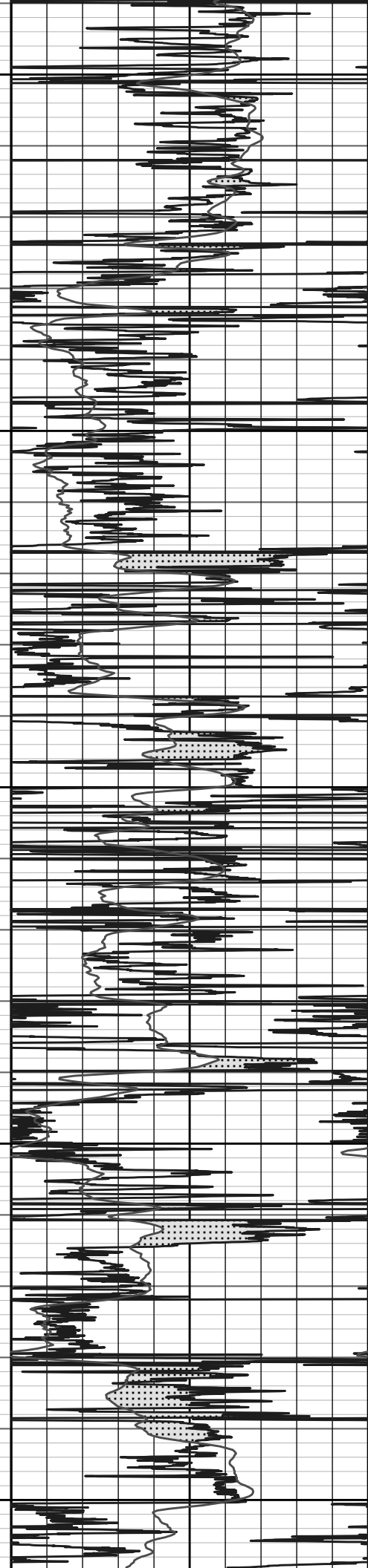
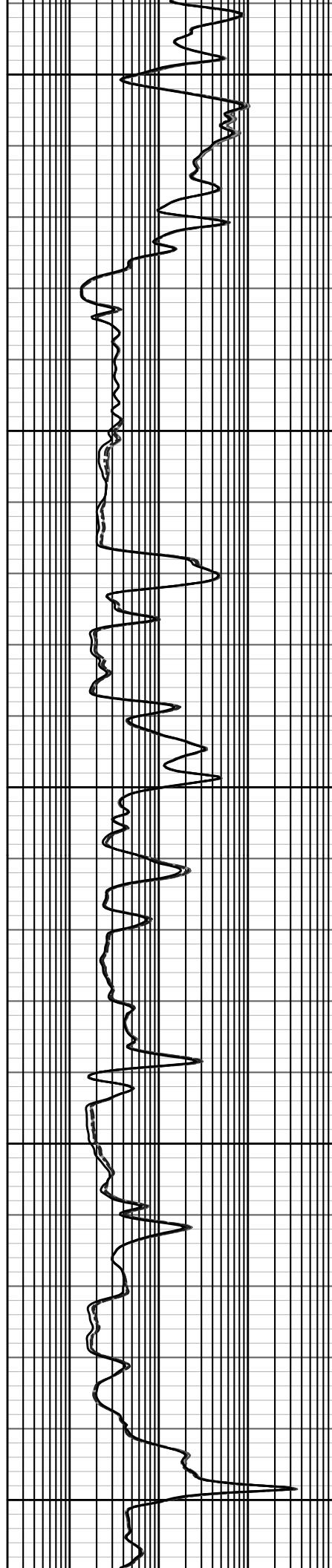
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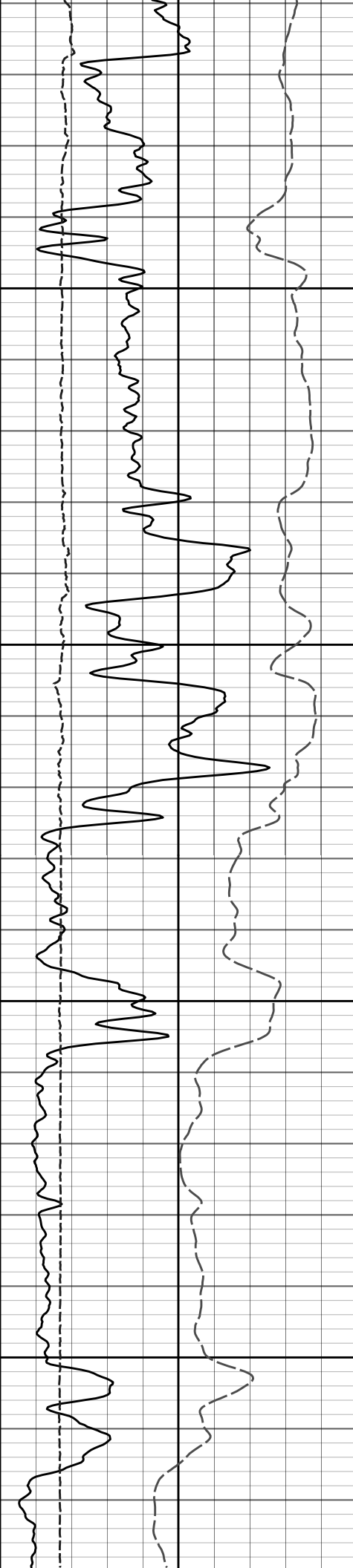
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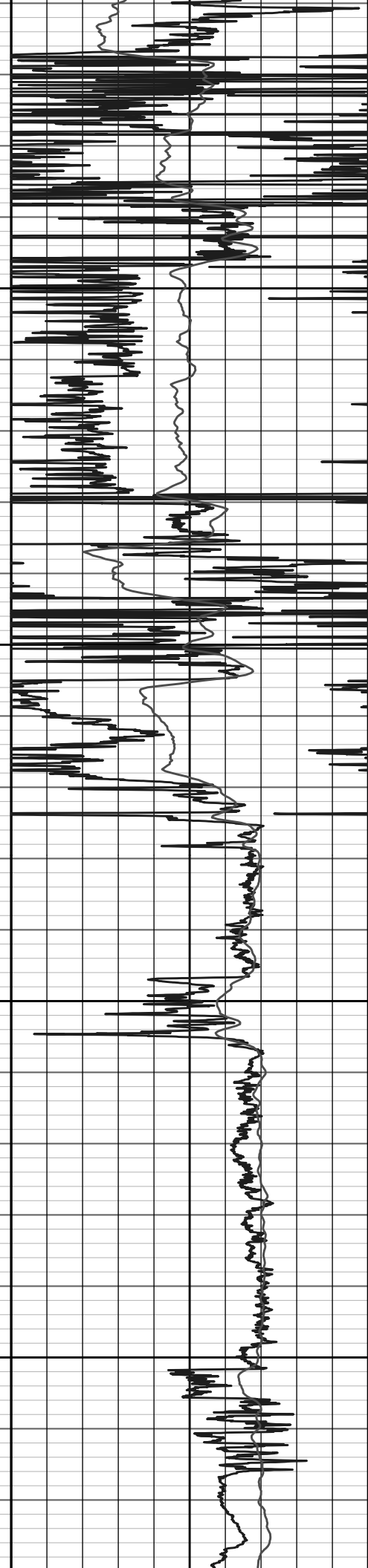
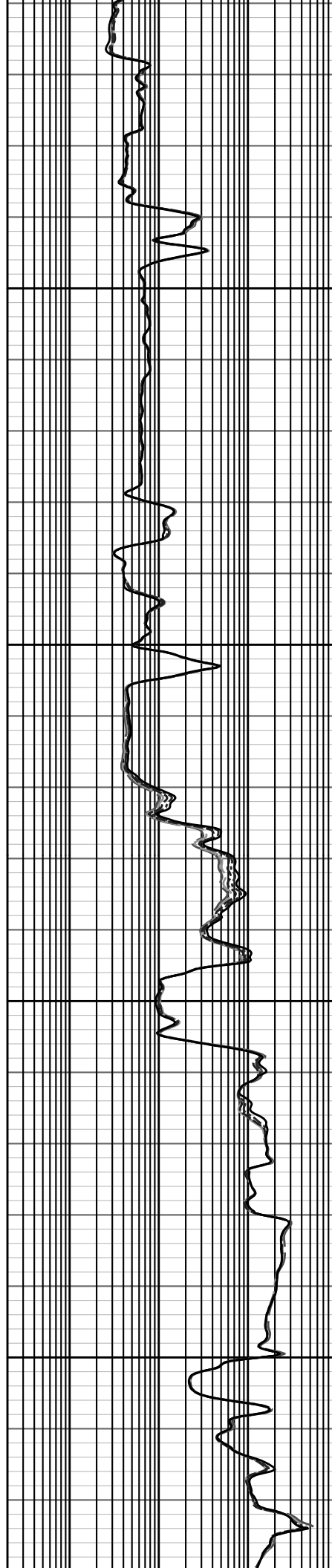


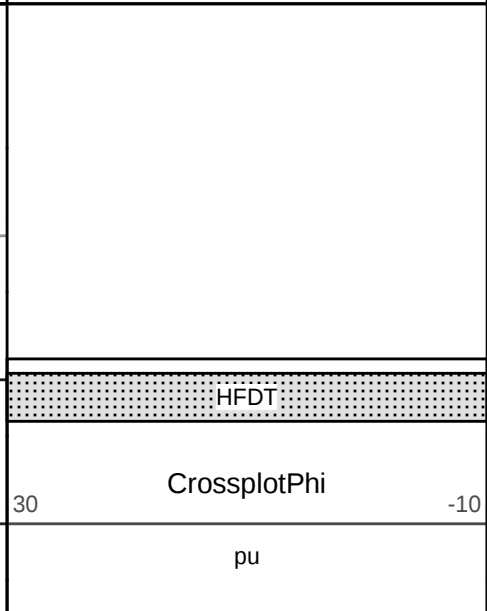
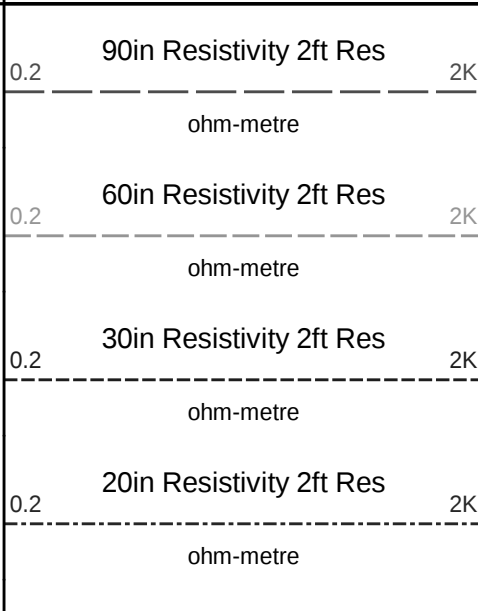
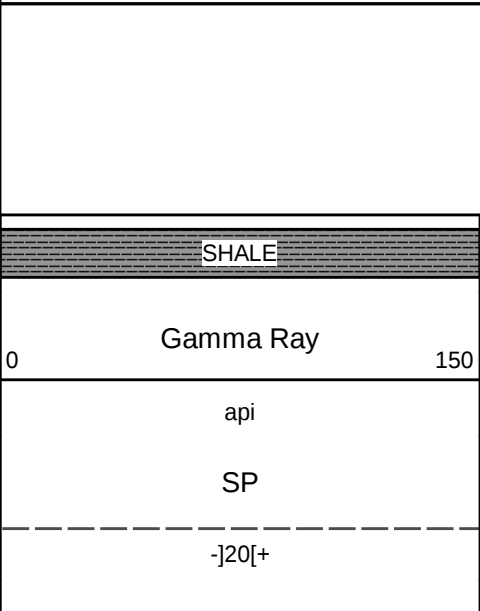
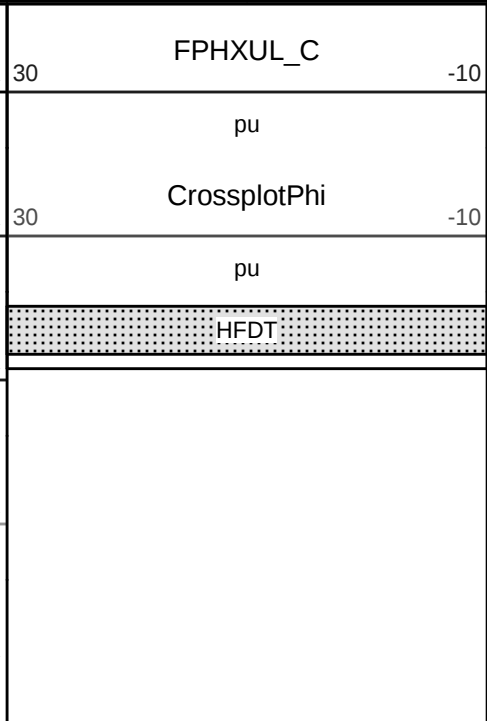
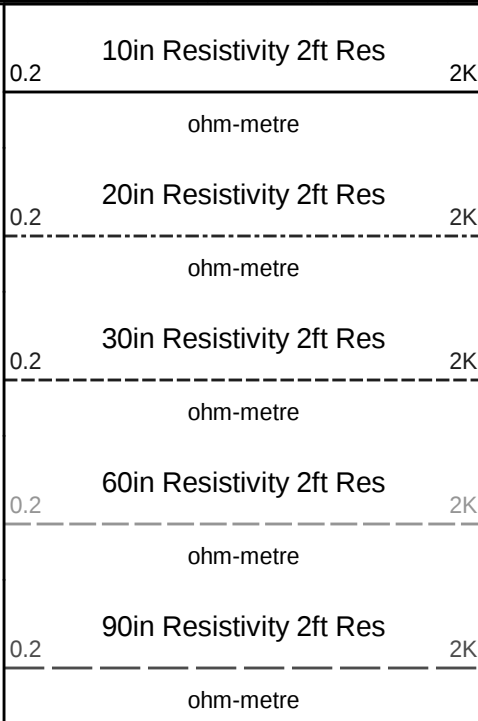
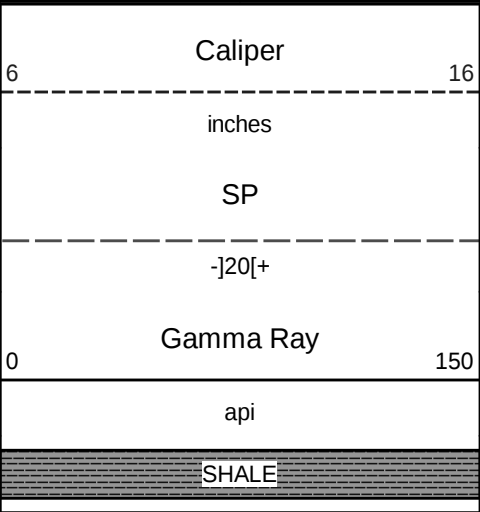
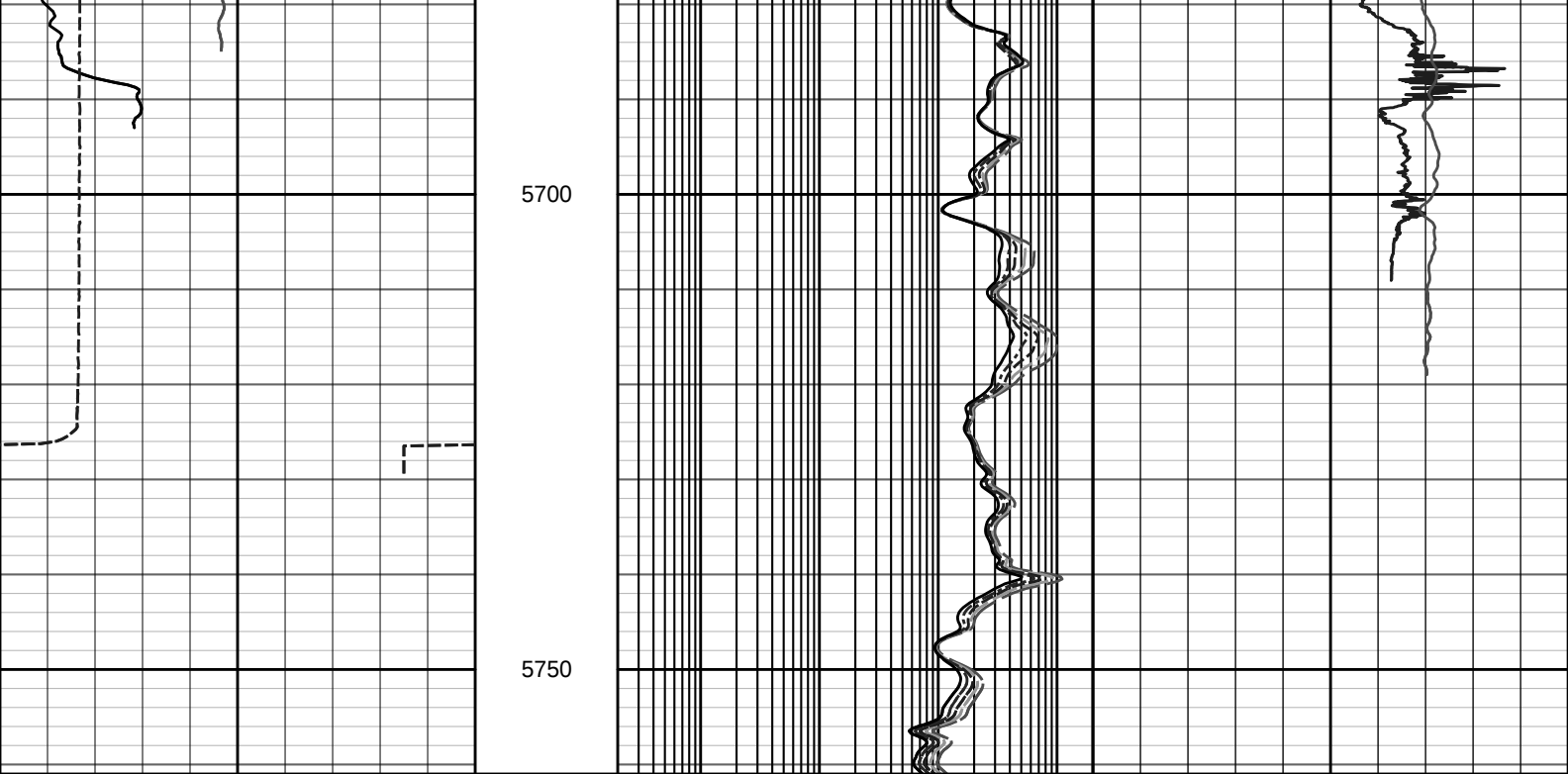
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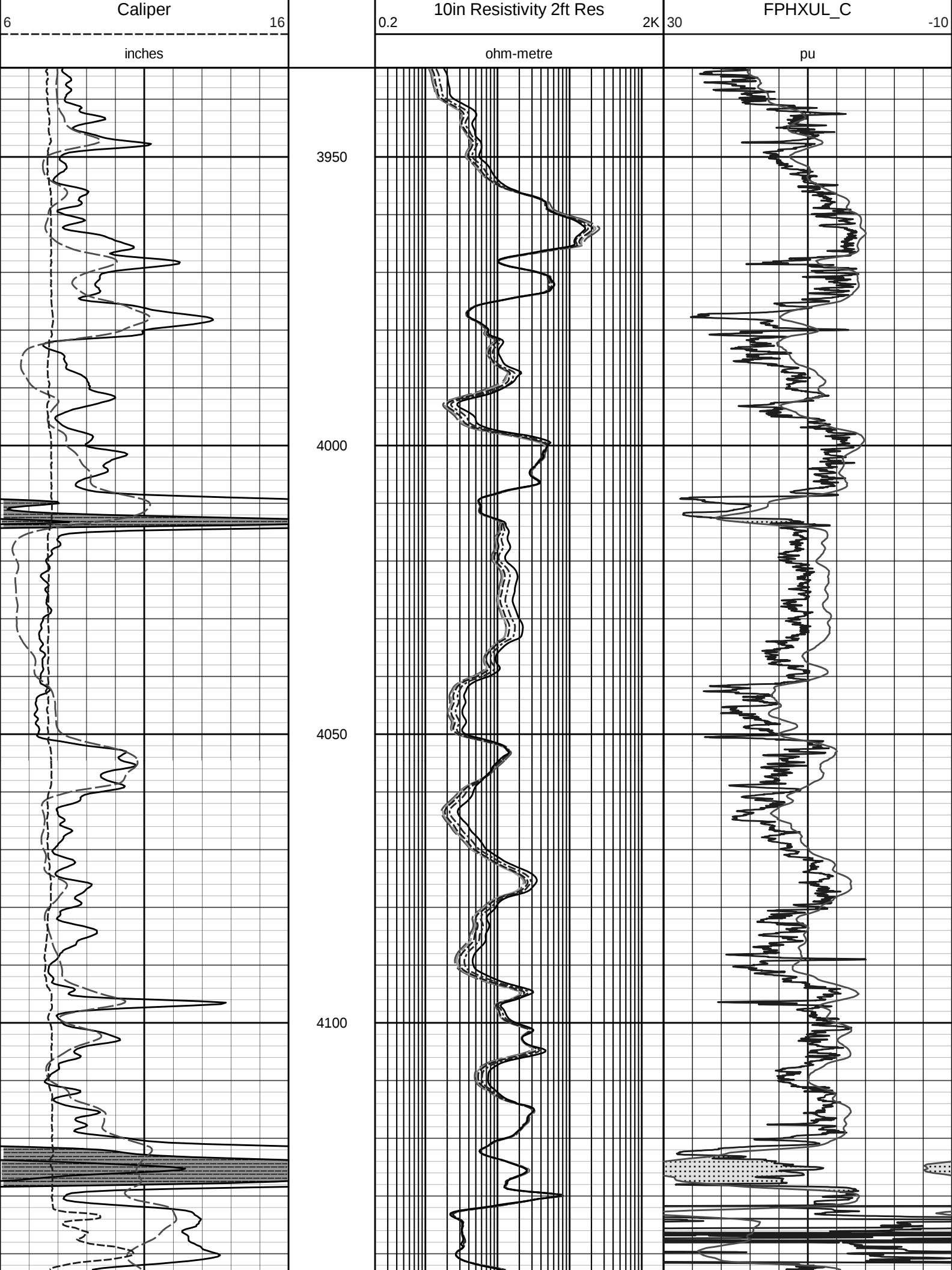
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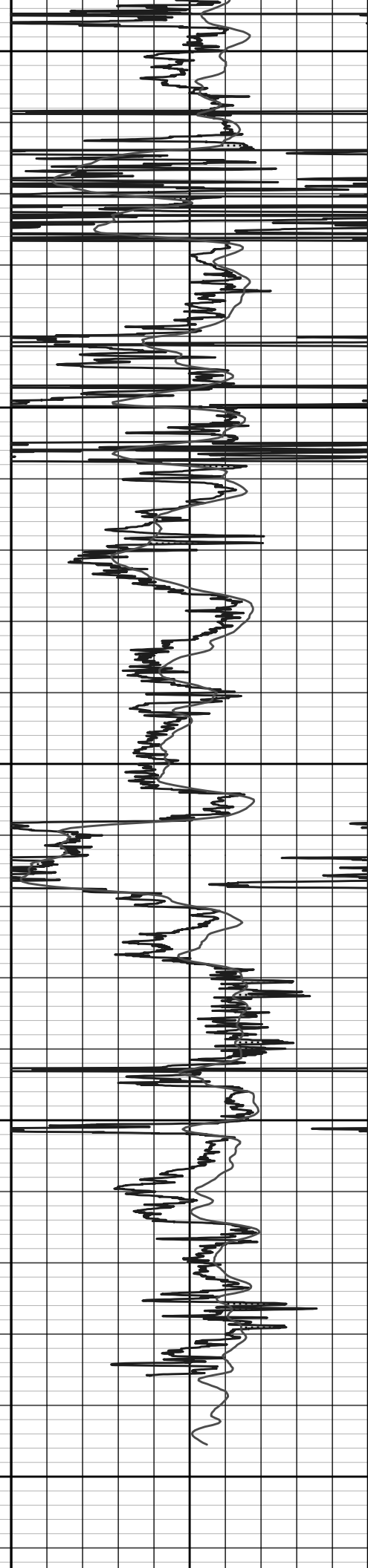
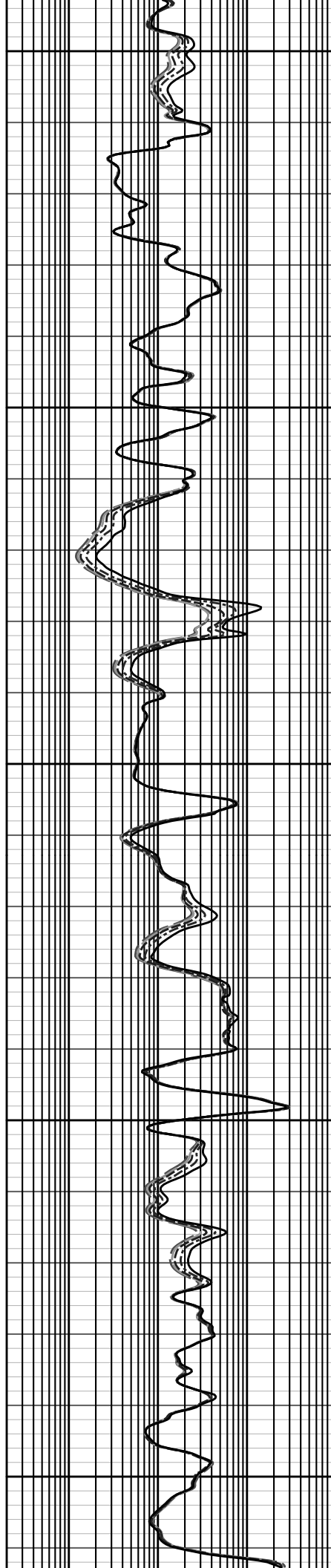
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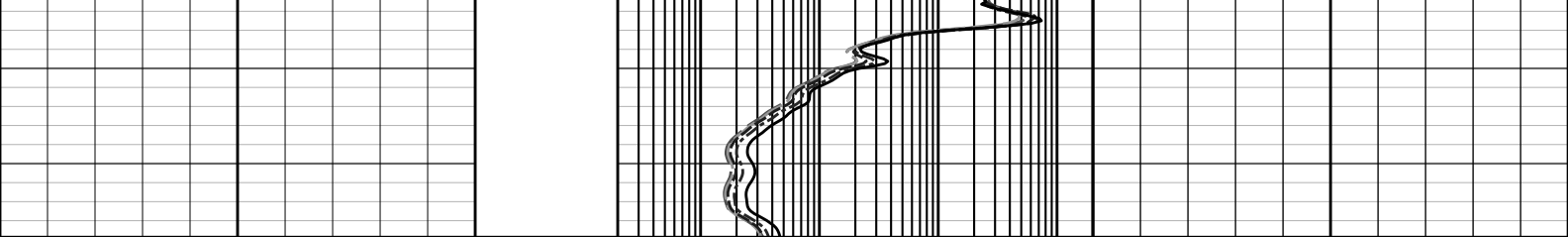
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4350





6	Caliper	16	0.2	10in Resistivity 2ft Res	2K	30	FPHXUL_C	-10
	inches			ohm-metre			pu	
	SP		0.2	20in Resistivity 2ft Res	2K	30	CrossplotPhi	-10
	-]20[+			ohm-metre			pu	
0	Gamma Ray	150	0.2	30in Resistivity 2ft Res	2K		HFDT	
	api			ohm-metre				
	SHALE		0.2	60in Resistivity 2ft Res	2K			
				ohm-metre				
			0.2	90in Resistivity 2ft Res	2K			
				ohm-metre				

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-12156658 135.00 lbs		Ø 3.625 in		← Load Cell @ 92.49 ft ← BH Temperature @ 91.92 ft	6.25 ft	96.17 ft
SP Sub-11441455 60.00 lbs		Ø 3.625 in		← SP @ 88.14 ft	3.74 ft	89.92 ft
GTET-11048627 165.00 lbs		Ø 3.625 in		← GammaRay @ 80.12 ft	8.52 ft	86.18 ft
						77.66 ft

HFDT-I-11997111
435.00 lbs

Ø 4.500 in →

16.14 ft

Ø 4.750 in →

Receiver Upper @ 64.69 ft
HFDT-I Receiver @ 64.59 ft
Receiver Middle @ 64.59 ft
HFDT Microlog @ 64.53 ft
Receiver Lower @ 64.49 ft
HFDT-I Caliper @ 64.34 ft
HFDT-I Pad @ 63.81 ft

61.53 ft

DSNT-11019643
174.00 lbs

DSN Decentralizer-
10755066
6.60 lbs

Ø 5.000 in* →

Ø 3.625 in →

9.69 ft

DSN Far @ 54.59 ft
DSN Near @ 53.84 ft

51.84 ft

SDLT-10950489
360.00 lbs

SDLT Pad-10844781
65.00 lbs
Microlog Pad-10950489
8.00 lbs

Ø 4.500 in →

Ø 4.750 in* →

Ø 4.750 in* →

10.81 ft

Microlog @ 44.03 ft
SDL Caliper @ 43.84 ft
SDL @ 43.83 ft

41.03 ft

IQ Flex-00000696
140.00 lbs

Ø 3.625 in →

5.67 ft

35.36 ft

Centralizer 25-00000027
8.00 lbs

Ø 4.000 in* →

BSAT-10747683
300.00 lbs

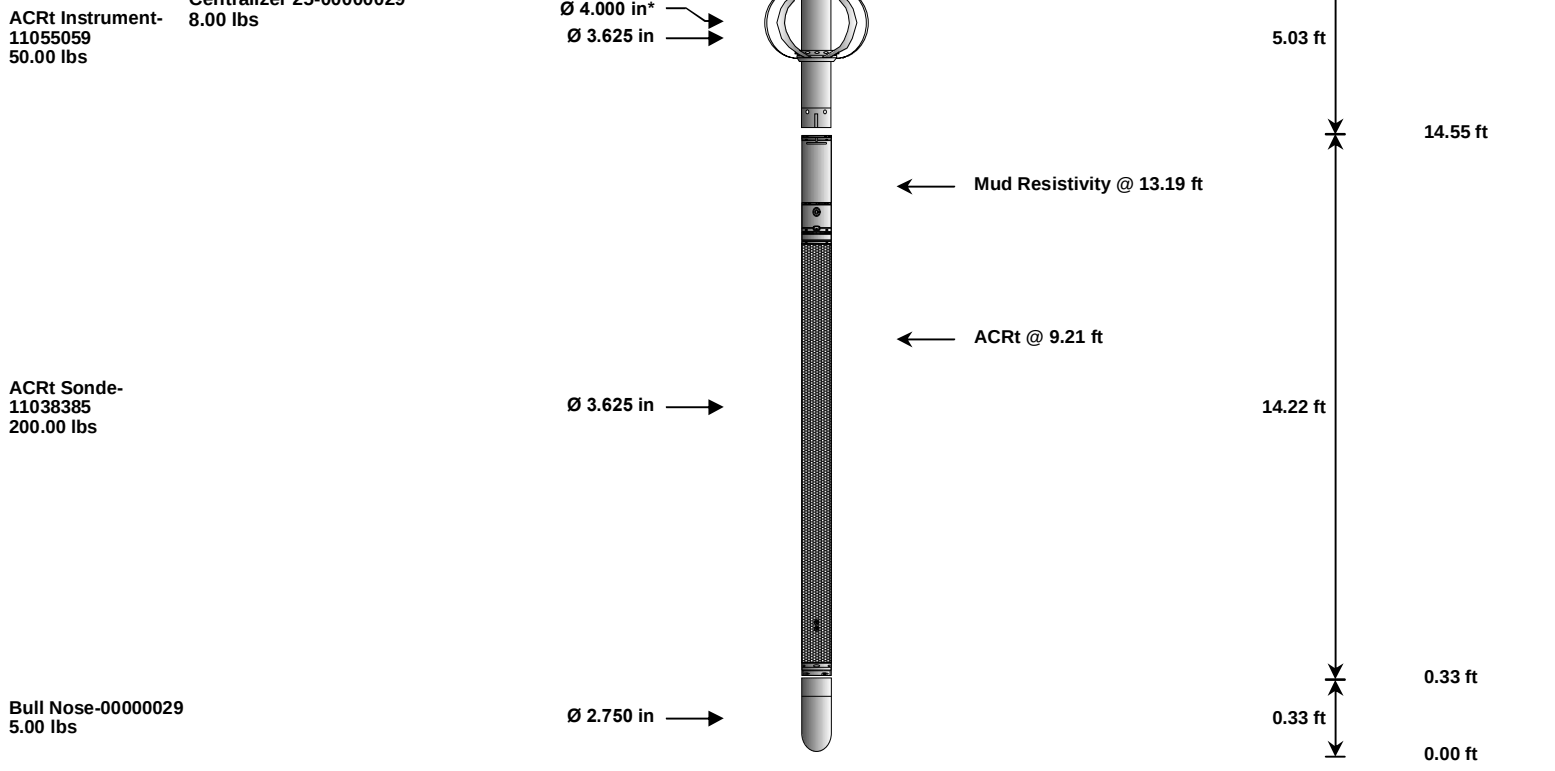
Ø 3.625 in →

Sonic Receivers @ 26.84 ft

15.77 ft

19.58 ft

Centralizer 25-00000029



Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head		12156658	135.00	6.25	89.92	300.00
SP	SP Sub		11441455	60.00	3.74	86.18	300.00
GTET	Gamma Telemetry Tool		11048627	165.00	8.52	77.66	60.00
HFDT	High Frequency Dielectric Tool		11997111	435.00	16.14	61.53	30.00
DSNT	Dual Spaced Neutron		11019643	174.00	9.69	51.84	60.00
DCNT	DSN Decentralizer		10755066	6.60	5.13	* 55.17	300.00
SDLT	Spectral Density Tool		10950489	360.00	10.81	41.03	60.00
MICP	Microlog Pad		10950489	8.00	1.00	* 43.53	60.00
SDLP	Density Insite Pad		10844781	65.00	2.55	* 43.24	60.00
IQF	IQ Flex tool		00000696	140.00	5.67	35.36	300.00
BSAT	Borehole Sonic Array Tool		10747683	300.00	15.77	19.58	60.00
OBCEN	Centralizer - 25 in. Overbody		00000027	8.00	2.08	* 32.52	300.00
ACRt	Array Compensated True Resistivity Instrument Section		11055059	50.00	5.03	14.55	300.00
OBCEN	Centralizer - 25 in. Overbody		00000029	8.00	2.08	* 16.39	300.00
ACRt	Array Compensated True Resistivity Sonde Section		11038385	200.00	14.22	0.33	300.00
BLNS	Bull Nose		00000029	5.00	0.33	0.00	300.00

Total		2,119.60	96.17	* Not included in Total Length and Length Accumulation.
Data: DEWELL B-1\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\IDLE				
			Date: 02-Sep-13 00:20:36	

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	7.875	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.200	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	0.00	ppm

SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
SHARED	RMUD	Mud Resistivity	1.090	ohmm
SHARED	TRM	Temperature of Mud	85.0	degF
SHARED	CSD	Logging Interval is Cased?	No	
SHARED	ICOD	AHV Casing OD	5.500	in
SHARED	ST	Surface Temperature	75.0	degF
SHARED	TD	Total Well Depth	5784.00	ft
SHARED	BHT	Bottom Hole Temperature	135.0	degF
SHARED	SVTM	Navigation and Survey Master Tool	NONE	
SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
SHARED	TEMM	Temperature Master Tool	NONE	
SHARED	BHSM	Borehole Size Master Tool	NONE	
Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GRSO	Gamma Tool Standoff	0.000	in
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
HFDT-I	HFOK	Do HFDT Calculations?	Yes	
HFDT-I	RMF	Mud Filtrate Resistivity	0.93	ohmm
HFDT-I	RMFT	Temperature of Mud Filtrate	85.00	degF
HFDT-I	MDIL	Matrix Dielectric Constant	7.700	
HFDT-I	HRTC	HFDT Insite Temperature Correction Source	PADTEMP1	
HFDT-I	CLOK	Process Caliper Outputs?	Yes	
HFDT-I	SAO	SDL Backup Arm Offset	-0.20	in
HFDT-I	PAO	Pad Arm Offset	0.00	in
HFDT-I	MLOK	Process MicroLog Outputs?	No	
HFDT-I	MINO	Microlog Lateral Offset	0.00	ohmm
HFDT-I	MNOO	Microlog Normal Offset	0.00	ohmm
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTP	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DTMA	Formation Density Master	0.710	g/cc

SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
BSAT	DTFL	Delta -T Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	User define	
BSAT	DTMA	Delta -T Matrix	47.60	uspf
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
ACRt Sonde	RTOK	Process ACRT?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
BOTTOM				
Data: DEWELL B-110001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN1005 02-Sep-13 02:08 Up @5774.5f				Date: 02-Sep-13 03:17:37

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:

GTET - 11048627

Reference Calibration Date:

02-Jul-13 07:19:00

Engineer:

THOMAS HYDE

Calibration Date:

14-Aug-13 07:16:10

Software Version:

WL INSITE R3.8.4 (Build 5)

Calibration Version:

1

Calibrator Source S/N: TB146

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Measurement	Measured	Calibrated	Units
Background	51.1	50.6	api
Background + Calibrator	323.4	320.2	api
Calibrator	272.3	269.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:

GTET - 11048627

Reference Calibration Date:

14-Aug-13 07:16:10

Engineer:

SHELDON INGERSOLL

Calibration Date:

01-Sep-13 06:33:52

Software Version:

WL INSITE R3.8.4 (Build 5)

Calibration Version:

1

Calibrator Source S/N: TB146

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Field Verification	Shop	Field	Units
Background	50.6	32.9	api
Background + Calibrator	320.2	303.5	api
Calibrator	269.6	270.6	api

Shop	Field	Difference	Tolerance
------	-------	------------	-----------

269.6

270.6

-1.0

+/- 9.00

INSITE HIGH FREQUENCY DIELECTRIC SHOP CALIBRATION

Tool Name: HFDT-I - 11997111

Reference Calibration Date: 04-Mar-13 14:22:28

Engineer: P. HART

Calibration Date: 09-Aug-13 17:16:03

Software Version: WL INSITE R3.8.10 (Build 5)

Calibration Version: 1

RATIO - AIR HANG ELECTRONICS CALIBRATION

Measurement	Previous Value	New Value	Control Limit
UM_TXU	1.2164	1.3429	None
ML_TXU	1.5721	1.6342	None
UL_TXU	1.8961	2.1766	None
UM_TXL	1.6972	1.6231	None
ML_TXL	1.4617	1.3173	None
UL_TXL	2.4598	2.1206	None

DPHASE - AIR HANG ELECTRONICS CALIBRATION

Measurement	Previous Value	New Value	Control Limit
UM_TXU	77.2392	73.4967	None
ML_TXU	80.7260	84.4121	None
UL_TXU	157.9652	157.9087	None
UM_TXL	-92.9783	-89.3669	None
ML_TXL	-88.1482	-95.2567	None
UL_TXL	175.8226	172.4256	None

RATIO - VERIFYING with MANDREL AIR HANG CALIBRATED CONSTANTS

Measurement	Previous Value	New Value	Control Limit
UM_TXU	1.6596	1.7019	None
ML_TXU	1.8425	1.9494	None
UL_TXU	3.0319	3.2904	None
UM_TXL	1.6262	1.7712	None
ML_TXL	1.7049	1.7260	None
UL_TXL	2.7487	3.0323	None
UM_COM	1.6803	1.7292	1.3613 - 2.2688
ML_COM	1.7206	1.8285	1.3613 - 2.2688
UL_COM	2.8822	3.1435	2.4698 - 4.1163

DPHASE - VERIFYING with MANDREL AIR HANG CALIBRATED CONSTANTS

Measurement	Previous Value	New Value	Control Limit
UM_TXU	26.2975	24.5525	None
ML_TXU	20.3132	20.9082	None
UL_TXU	46.6087	45.4632	None
UM_TXL	25.0886	25.1688	None
ML_TXL	34.5248	32.1219	None
UL_TXL	56.5583	54.3349	None
UM_COM	27.7723	26.1171	22.5000 - 37.5000
ML_COM	25.3398	25.2586	22.5000 - 37.5000
UL_COM	51.5835	49.8991	44.7750 - 74.6250

INSITE HIGH FREQUENCY DIELECTRIC FIELD CALIBRATION

Tool Name: HFDT-I - 11997111

Reference Calibration Date: 09-Aug-13 17:16:03

Engineer: SHELDON INGERSOLL

Calibration Date: 31-Aug-13 15:41:50

Software Version: WL INSITE R3.8.4 (Build 5)

Calibration Version: 1

RATIO - VERIFYING with MANDREL AIR HANG CALIBRATED CONSTANTS

Measurement	Shop Value	Field Value	Control Limit
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UM_TXU	1.7019	1.6066	None
ML_TXU	1.9494	1.9229	None
UL_TXU	3.2904	3.0710	None
UM_TXL	1.7712	1.8152	None
ML_TXL	1.7260	1.7075	None
UL_TXL	3.0323	3.0734	None
UM_COM	1.7292	1.7014	1.3613 - 2.2688
ML_COM	1.8285	1.8085	1.3613 - 2.2688
UL_COM	3.1435	3.0637	2.4698 - 4.1163
DPHASE - VERIFYING with MANDREL AIR HANG CALIBRATED CONSTANTS			
Measurement	Shop Value	Field Value	Control Limit
UM_TXU	24.5525	25.6323	None
ML_TXU	20.9082	17.9706	None
UL_TXU	45.4632	43.6124	None
UM_TXL	25.1688	23.4300	None
ML_TXL	32.1219	33.3679	None
UL_TXL	54.3349	53.8143	None
UM_COM	26.1171	25.7875	22.5000 - 37.5000
ML_COM	25.2586	24.4128	22.5000 - 37.5000
UL_COM	49.8991	48.7134	44.7750 - 74.6250

CONTACT TEMPERATURE TOOL SHOP CALIBRATION			
Tool Name:	HFDT-I - 11997111	Reference Calibration Date:	01-Jan-70 00:00:00
Engineer:	Kenneth Nicholson	Calibration Date:	23-Jul-13 10:11:55
Software Version:	WL INSITE R3.8.11 (Build 5)	Calibration Version:	1

CALIBRATION COEFFICIENT SUMMARY			
	Measured Temp	Calibrated Temp	Units
Low Value	74.50	74.40	degF
Middle Value	196.40	212.00	degF
High Value	358.24	350.60	degF
.			
		Reference Temp	Units
Calibration Point Low Ref		74.40	degF
Calibration Point Middle Ref		212.00	degF
Calibration Point High Ref		350.60	degF
Calibration Coefficient			
Pwr2		-0.00	
Gain		1.33	
Offset		-6.82	

DENSITY CALIPER SHOP CALIBRATION			
Tool Name:	HFDT-I - 11997111	Reference Calibration Date:	04-Mar-13 14:50:41
Engineer:	SHELDON INGERSOLL	Calibration Date:	31-Aug-13 15:31:11
Software Version:	WL INSITE R3.8.4 (Build 5)	Calibration Version:	1
Host Tool Name:	--- - ---		

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-1378.37	-1807.36	-7000.00 - -1000.00
Pad Gain	0.0003538	0.0003761	0.000200 - 0.000600
Pad Offset	-1378.37	-1807.36	-7000.00 - -1000.00

Arm Offset	-4486.35	-3848.18	-5000.00 - 3000.00
Arm Gain	0.0005729	0.0005552	0.000300 - 0.000700
Arm Power	-0.000006452	-0.000005014	-0.000010000 - 0.000010000

The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	2.03	2.00	-0.03	+/- 0.20
Medium Ring (in)	3.68	3.75	0.07	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.32	6.50	0.18	+/- 0.20
Medium Ring (in)	8.11	8.25	0.14	+/- 0.20
Large Ring (in)	14.84	15.00	0.16	+/- 0.20

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed
PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed

SDLT CALIPER FIELD CALIBRATION			
Tool Name:	HFDT-I - 11997111	Reference Calibration Date:	31-Aug-13 15:31:11
Engineer:	SHELDON INGERSOLL	Calibration Date:	31-Aug-13 15:35:46
Software Version:	WL INSITE R3.8.4 (Build 5)	Calibration Version:	1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.73	-0.02	+/- 0.10
Ring Diameter	8.25	8.30	0.05	+/- 0.15

PASS/FAIL SUMMARY	
Pad Extension Check:	Passed
Diameter Check:	Passed

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11048627						
Gamma Ray Calibrator	269.6	270.6	-----	-1.0	+/- 9.00	api
HFDT-I-11997111						
Pad Extension	3.75	3.73	-----	0.02	+/-0.10	in
Ring Diameter	8.25	8.30	-----	-0.05	+/-0.15	in

Data: DEWELL B-1\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\005 02-Sep-13 02:08 Up @5774.5f	Date: 02-Sep-13 03:21:40
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HALLIBURTON	
INPUTS, DELAYS AND FILTERS TABLE	

Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	

RWCH				
DHTN	DownholeTension	0.00	BLK	0.000
SP Sub				
PLTC	Plot Control Mask	88.14	NO	
SP	Spontaneous Potential	88.14	BLK	1.250
SPR	Raw Spontaneous Potential	88.14	NO	
SPO	Spontaneous Potential Offset	88.14	NO	
GTET				
TPUL	Tension Pull	80.12	NO	
GR	Natural Gamma Ray API	80.12	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	80.12	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	80.12	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
HFDT-I				
TPUL	Tension Pull	64.59	NO	
IUXU	HFDT Insite In-phase Component of Upper Receiver - TXUon TXLoff	64.59	NO	
QUXU	HFDT Insite Quadrature Component of Upper Receiver - TXUon TXLof	64.59	NO	
IMXU	HFDT Insite In-phase Component of Middle Receiver TXUon TXLoff	64.59	NO	
QMXU	HFDT Insite Quadrature Component of Middle Receiver TXUon TXLof	64.59	NO	
ILXU	HFDT Insite In-phase Component of Lower Receiver TXUon TXLoff	64.59	NO	
QLXU	HFDT Insite Quadrature Component of Lower Receiver TXUon TXLoff	64.59	NO	
IUXL	HFDT Insite In-phase Component of Upper Receiver TXUoff TXLon	64.59	NO	
QUXL	HFDT Insite Quadrature Component of Upper Receiver TXUoff TXLon	64.59	NO	
IMXL	HFDT Insite In-phase Component of Middle Receiver TXUoff TXLon	64.59	NO	
QMXL	HFDT Insite Quadrature Component of Middle Receiver TXUoff TXLo	64.59	NO	
ILXL	HFDT Insite In-phase Component of Lower Receiver TXUoff TXLon	64.59	NO	
QLXL	HFDT Insite Quadrature Component of Lower Receiver TXUoff TXLon	64.59	NO	
TEX1	HFDTInsite External Pad Temperature Measurement 1	63.81	NO	
TEX2	HFDTInsite External Pad Temperature Measurement 2	63.81	NO	
STAT	HFDT Insite Pad Status Word	64.59	NO	
TPUL	Tension Pull	64.34	NO	
PCAL	Pad Caliper	64.34	TRI	0.250
ACAL	Arm Caliper	64.34	TRI	0.250
TPUL	Tension Pull	64.53	NO	
MINV	Microlog Lateral	64.53	BLK	0.750
MNOR	Microlog Normal	64.53	BLK	0.750
DSNT				
TPUL	Tension Pull	53.74	NO	
RNDS	Near Detector Telemetry Counts	53.84	BLK	1.417
RFDS	Far Detector Telemetry Counts	54.59	TRI	0.583
DNTT	DSN Tool Temperature	53.84	NO	
DSNS	DSN Tool Status	53.74	NO	
ERND	Near Detector Telemetry Counts EVR	53.84	BLK	0.000
FRFD	Far Detector Telemetry Counts EVR	54.59	BLK	0.000

ENTM	Far Detector Telemetry Counts EVR	53.84	NO	0.000
SDLT				
TPUL	Tension Pull	43.84	NO	
PCAL	Pad Caliper	43.84	TRI	0.250
ACAL	Arm Caliper	43.84	TRI	0.250
BSAT				
TPUL	Tension Pull	26.84	NO	
STAT	Status	26.84	NO	
DLYT	Delay Time	26.84	NO	
SI	Sample Interval	26.84	NO	
TXRX	Raw Telemetry 10 Receivers	26.84	NO	
FRMC	Tool Frame Count	26.84	NO	
GMOD	Gain processing mode	19.58	NO	
ACRt Sonde				
TPUL	Tension Pull	2.73	NO	
F1R1	ACRT 12KHz - 80in R value	8.98	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	8.98	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000
RMUD	Mud Resistivity	12.52	BLK	0.000

F1RT	Transmitter Current Raw 12K X Receiver	2.73	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000
ITMP	Instrument Temperature	2.73	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.73	NO	
TIDV	Instrument Temperature Derivative	2.73	NO	
TUDV	Upper Temperature Derivative	2.73	NO	
TLDV	Lower Temperature Derivative	2.73	NO	
TRBD	Receiver Board Temperature	2.73	NO	
SDLT Pad				
TPUL	Tension Pull	43.83	NO	
NAB	Near Above	43.66	BLK	0.920
NHI	Near Cesium High	43.66	BLK	0.920
NLO	Near Cesium Low	43.66	BLK	0.920
NVA	Near Valley	43.66	BLK	0.920
NBA	Near Barite	43.66	BLK	0.920
NDE	Near Density	43.66	BLK	0.920
NPK	Near Peak	43.66	BLK	0.920
NLI	Near Lithology	43.66	BLK	0.920
NBAU	Near Barite Unfiltered	43.66	BLK	0.250
NLIU	Near Lithology Unfiltered	43.66	BLK	0.250
FAB	Far Above	44.01	BLK	0.250
FHI	Far Cesium High	44.01	BLK	0.250
FLO	Far Cesium Low	44.01	BLK	0.250
FVA	Far Valley	44.01	BLK	0.250
FBA	Far Barite	44.01	BLK	0.250
FDE	Far Density	44.01	BLK	0.250
FPK	Far Peak	44.01	BLK	0.250
FLI	Far Lithology	44.01	BLK	0.250
PTMP	Pad Temperature	43.84	BLK	0.920
NHV	Near Detector High Voltage	43.24	NO	
FHV	Far Detector High Voltage	43.24	NO	
ITMP	Instrument Temperature	43.24	NO	
DDHV	Detector High Voltage	43.24	NO	
Microlog Pad				
TPUL	Tension Pull	44.03	NO	
MINV	Microlog Lateral	44.03	BLK	0.750
MNOR	Microlog Normal	44.03	BLK	0.750
Data: DEWELL B-1\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\005 02-Sep-13 02:08 Up @5774.5f				Date: 02-Sep-13 03:16:59

COMPANY	OXY USA INC.			
WELL	DEWELL B-1			
FIELD	VICTORY			
COUNTY	HASKELL	STATE	KANSAS	

HALLIBURTON

**HIGH FREQUENCY
DIELECTRIC
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