

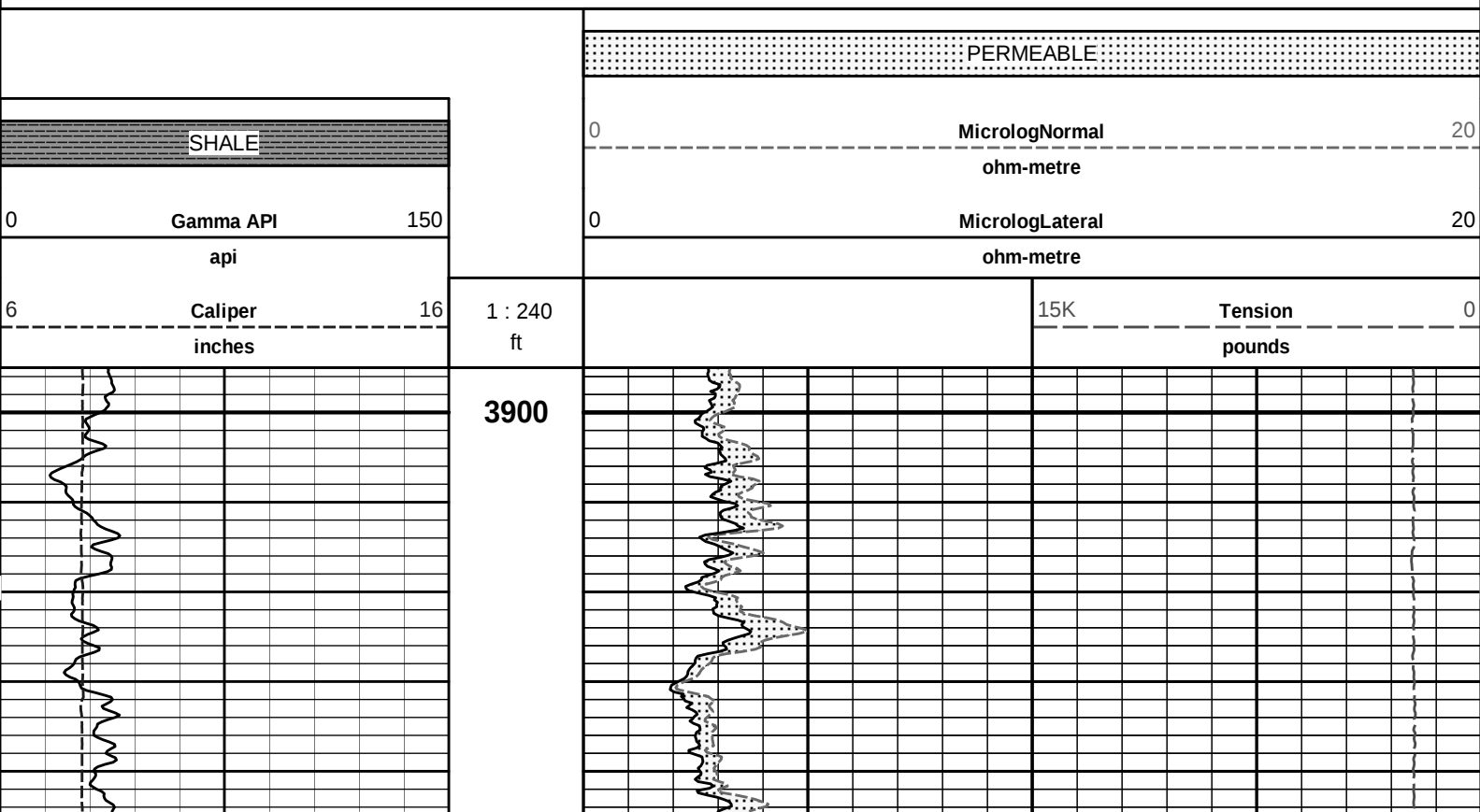
HALLIBURTON

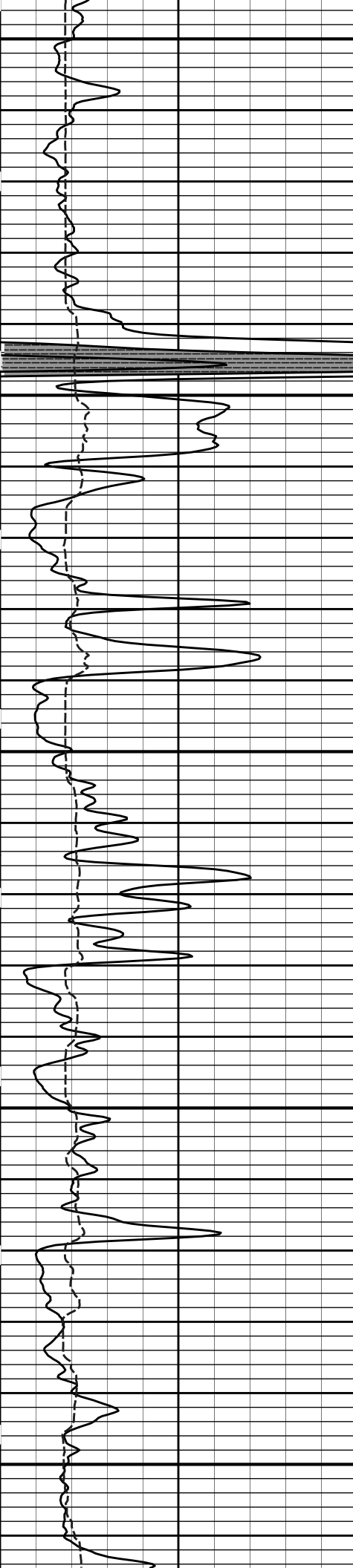
MICROLOG

COMPANY		OXY USA INC.	
WELL		DEVORE D-1	
FIELD/BLOCK		PANOMA GAS AREA	
COUNTY		FINNEY	
STATE		KANSAS	
Permanent Datum		G.L.	
Log measured from		KB	
Drilling measured from		KB	
Date		28-Jan-13	
Run No.		ONE	
Depth - Driller		5555.00 ft	
Depth - Logger		5382.0 ft	
Bottom - Logged Interval		5338	
Top - Logged Interval		3900	
Casing - Driller		8.625 in @ 1808.0 ft	
Casing - Logger		1806.0 ft	
Bit Size		7.875 in @	
Type Fluid in Hole		WATER BASED MUD	
Density		8.8 ppg	
Viscosity		29.00 s/qt	
PH		9.80 pH	
Fluid Loss		14.0 cpm	
Source of Sample		MUD PIT	
Rm @ Meas. Temperature		0.500 ohmm @ 65.00 degF	
Rmf @ Meas. Temperature		0.43 ohmm @ 65.00 degF	
Rmc @ Meas. Temperature		0.580 ohmm @ 65.00 degF	
Source Rmf		MEASURED	
Rmc		MEASURED	
Rm @ BHT		0.24 ohmm @ 142.0 degF	
Time Since Circulation		17.0 hr	
Time on Bottom		28-Jan-13 16:58	
Max. Rec. Temperature		142.0 degF @ 5382.0 ft	
Equipment		10546696 LIBERAL	
Recorded By		S. INGERSOLL	
Witnessed By		G. BILBY	

Fold here

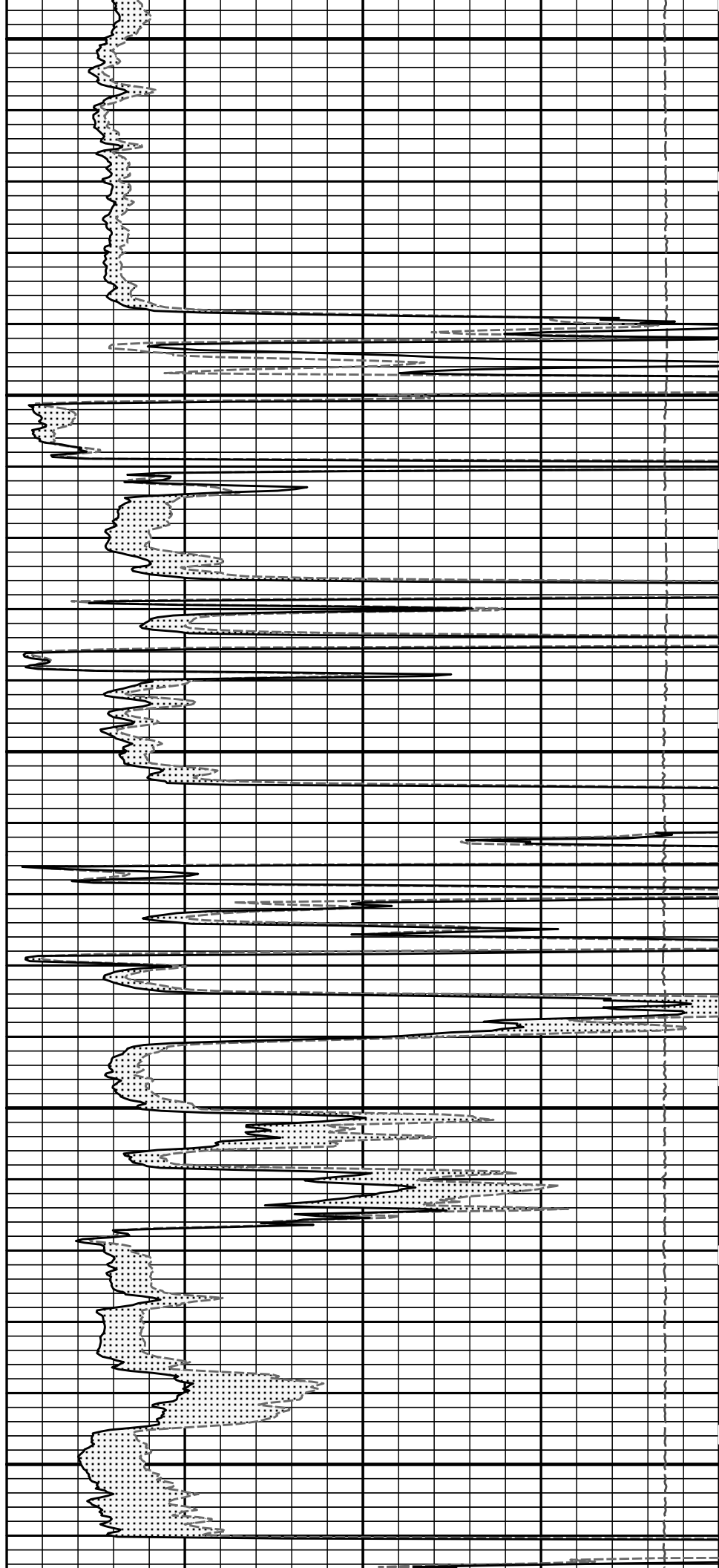
Service Ticket No.: 900161133				API Serial No.: 15055221940000				PGM Version: WL INSITE R3.8.0 (Build 2)							
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES									
Date	Sample No.					Type Log	Depth	Scale Up Hole	Scale Down Hole						
Depth-Driller															
Type Fluid 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.	@			@			10800784								
Source Rmf	Rmc														
Rm @ BHT	@			@											
Rmf @ BHT	@			@											
Rmc @ BHT	@			@											
EQUIPMENT DATA															
GAMMA				ACOUSTIC				DENSITY				NEUTRON			
Run No.	ONE			Run No.	ONE			Run No.	ONE			Run No.	ONE		
Serial No.	10748374			Serial No.	10747684			Serial No.	10673803			Serial No.	10735145		
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.	GTET			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.	5073GW			Serial No.	DSN-436		
Distance to Source	N/A			FWDA [Y/N]				Strength	1.5 CI			Strength	15 CI		
LOGGING DATA															

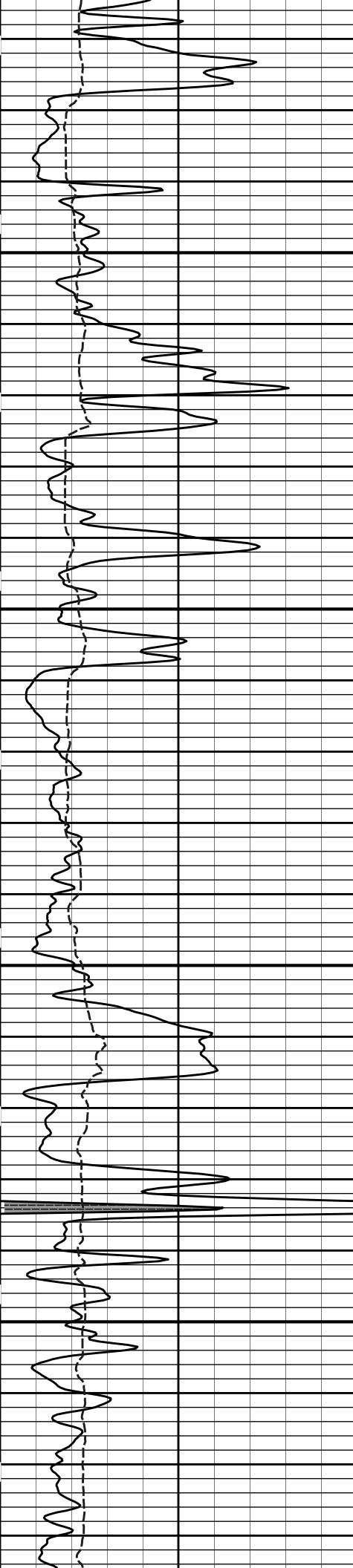




4000

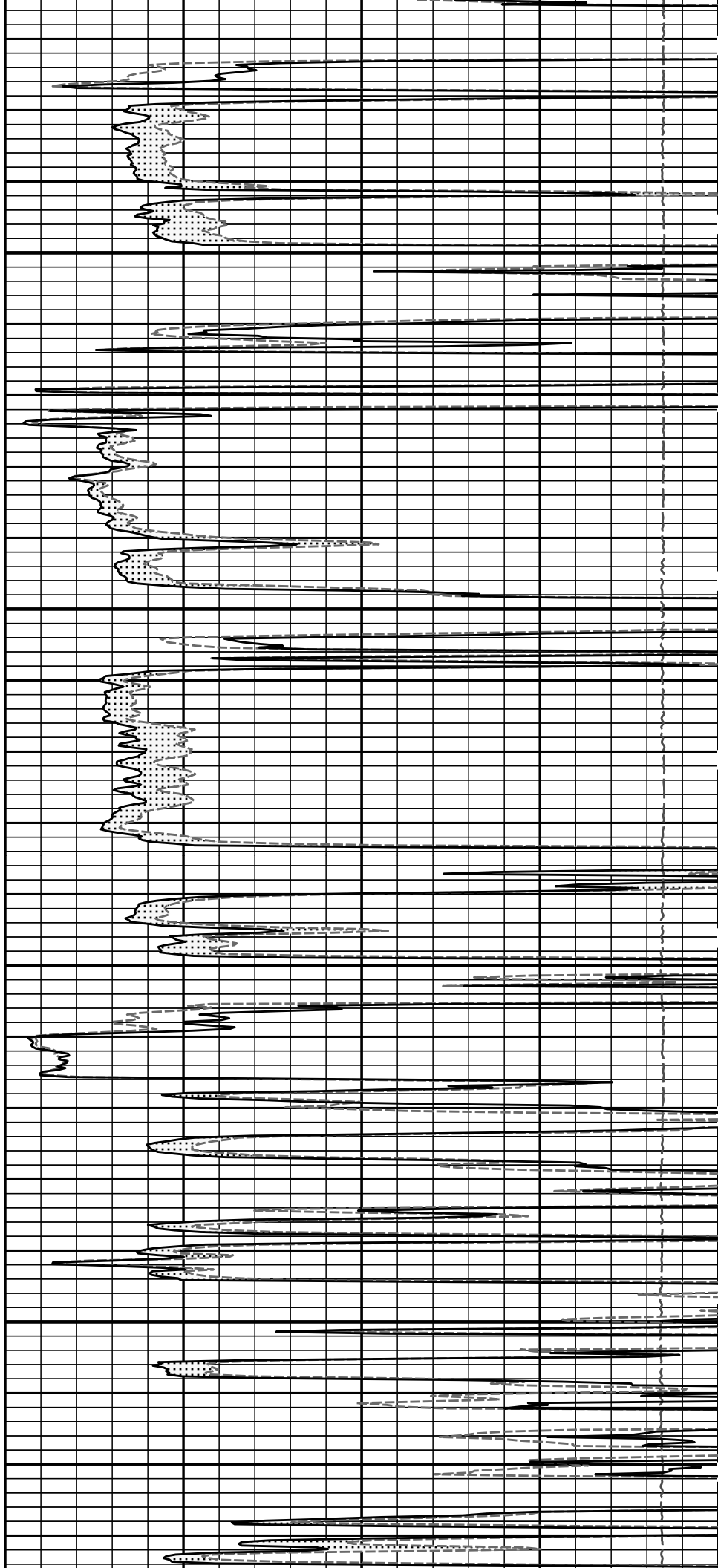
4100

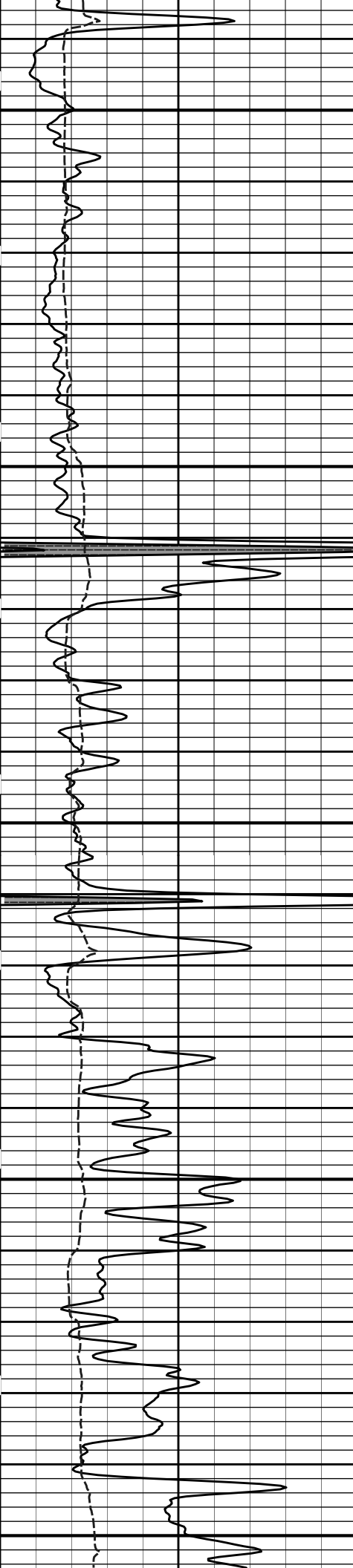




4200

4300

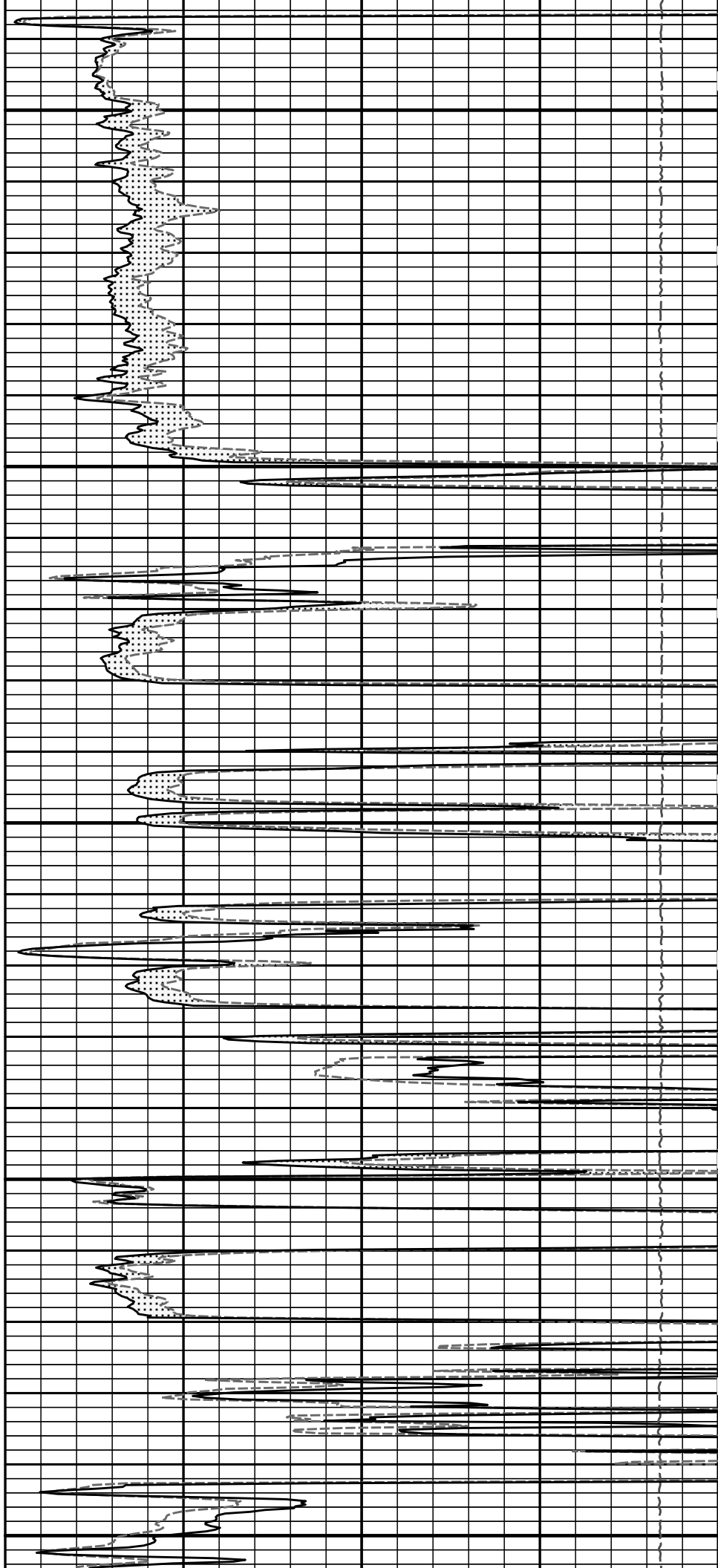


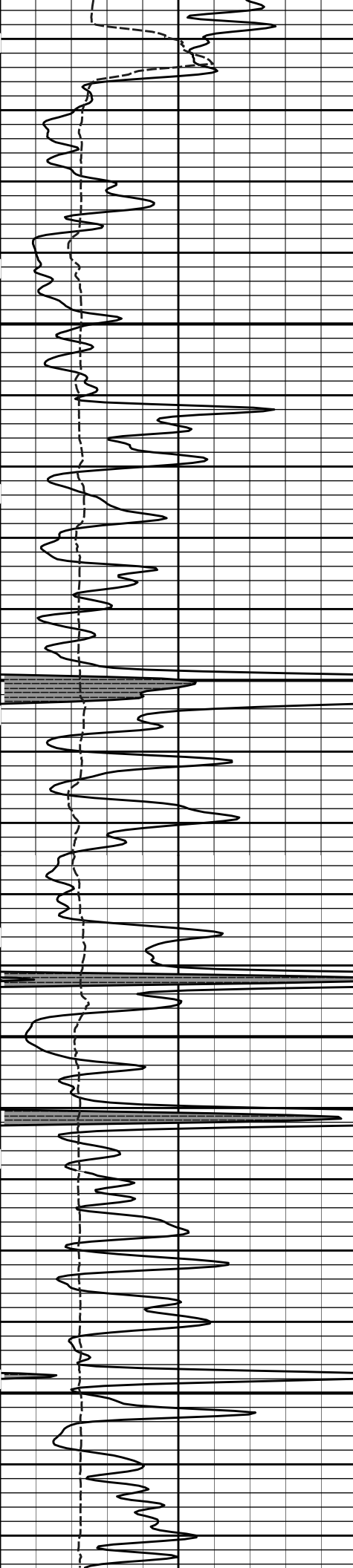


4400

4500

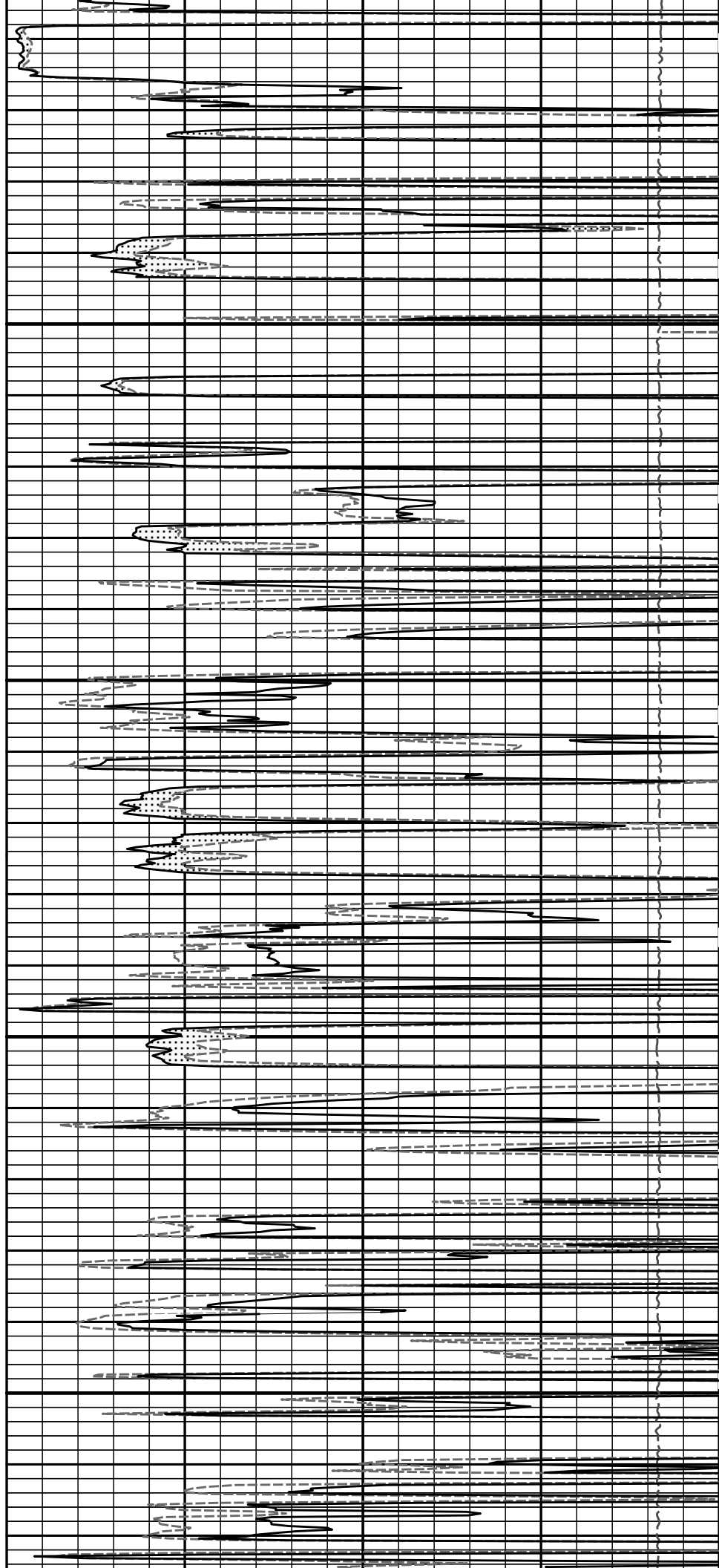
4600

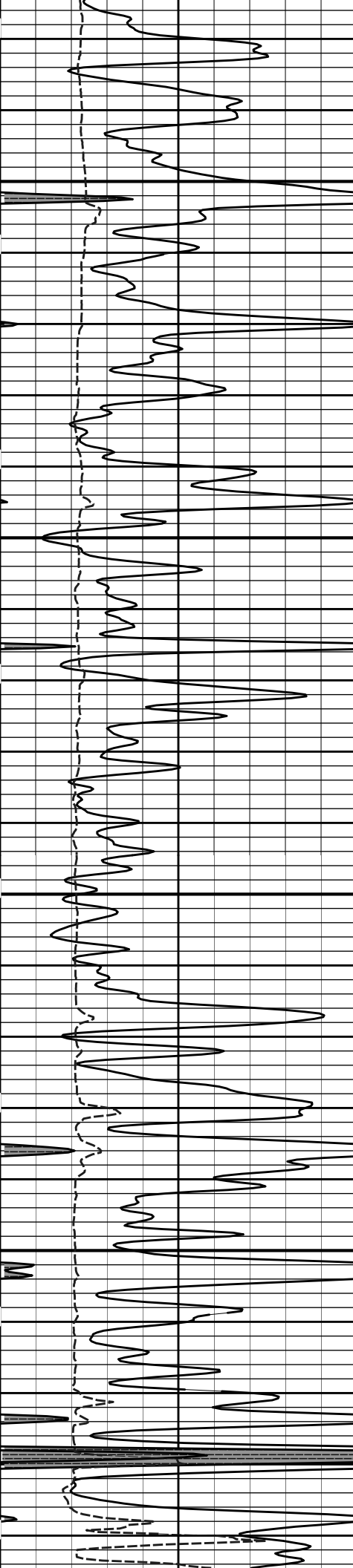




4700

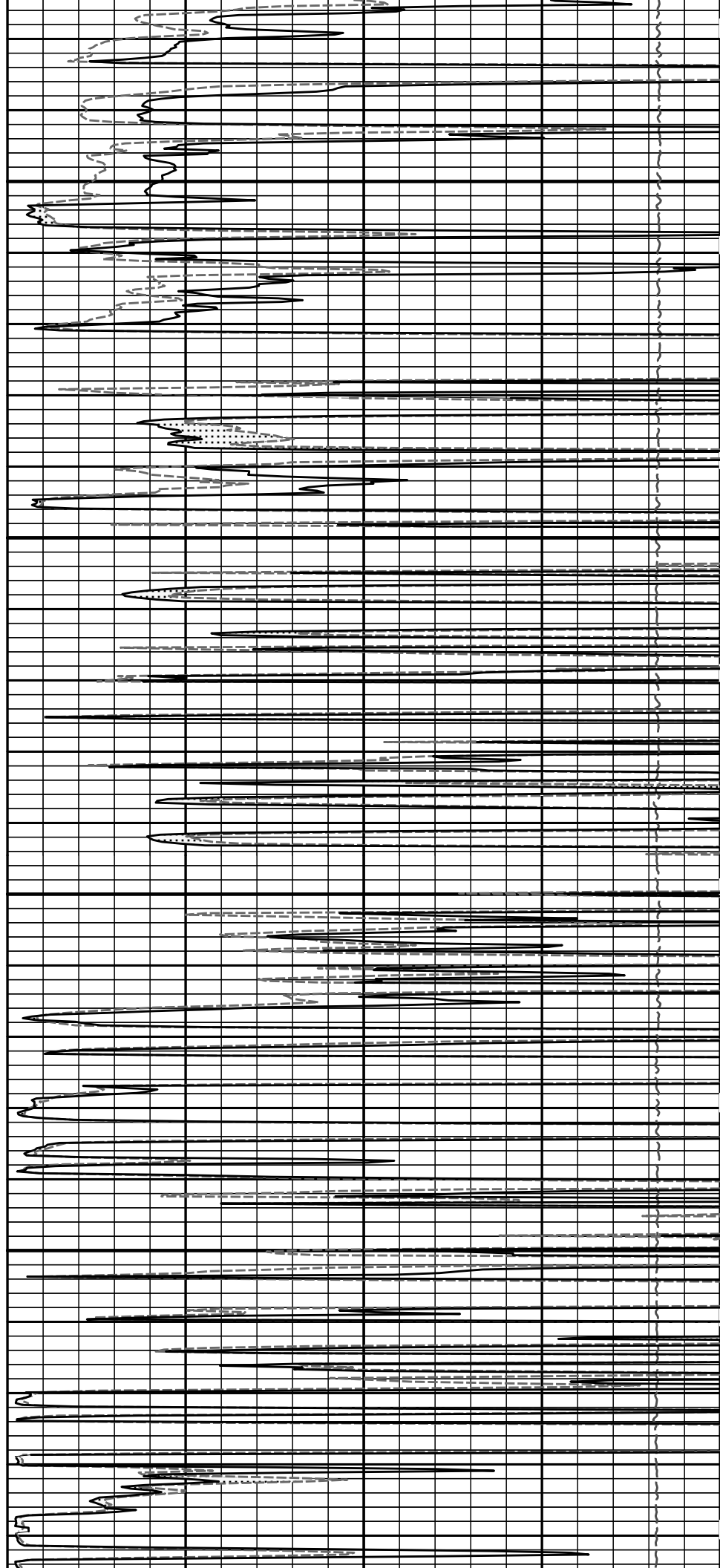
4800

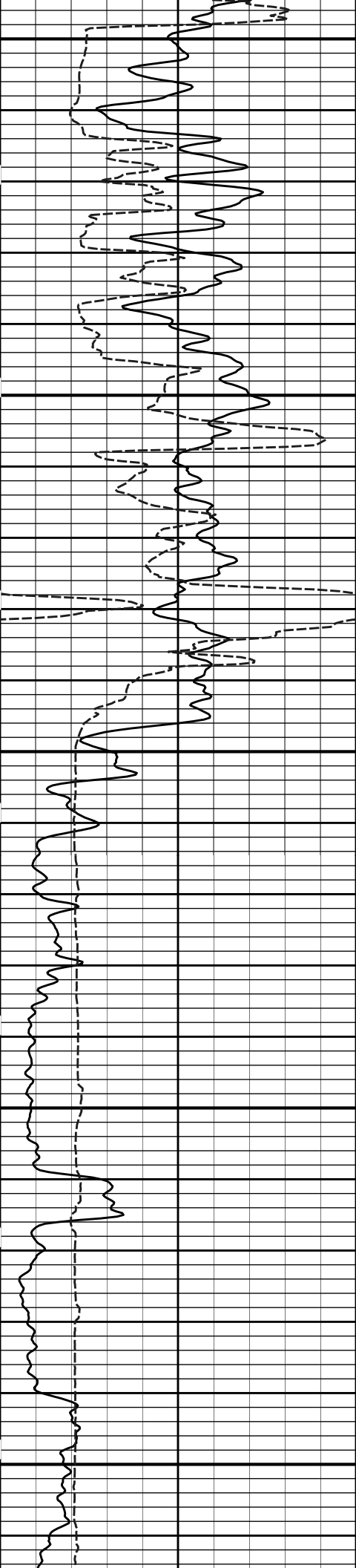




4900

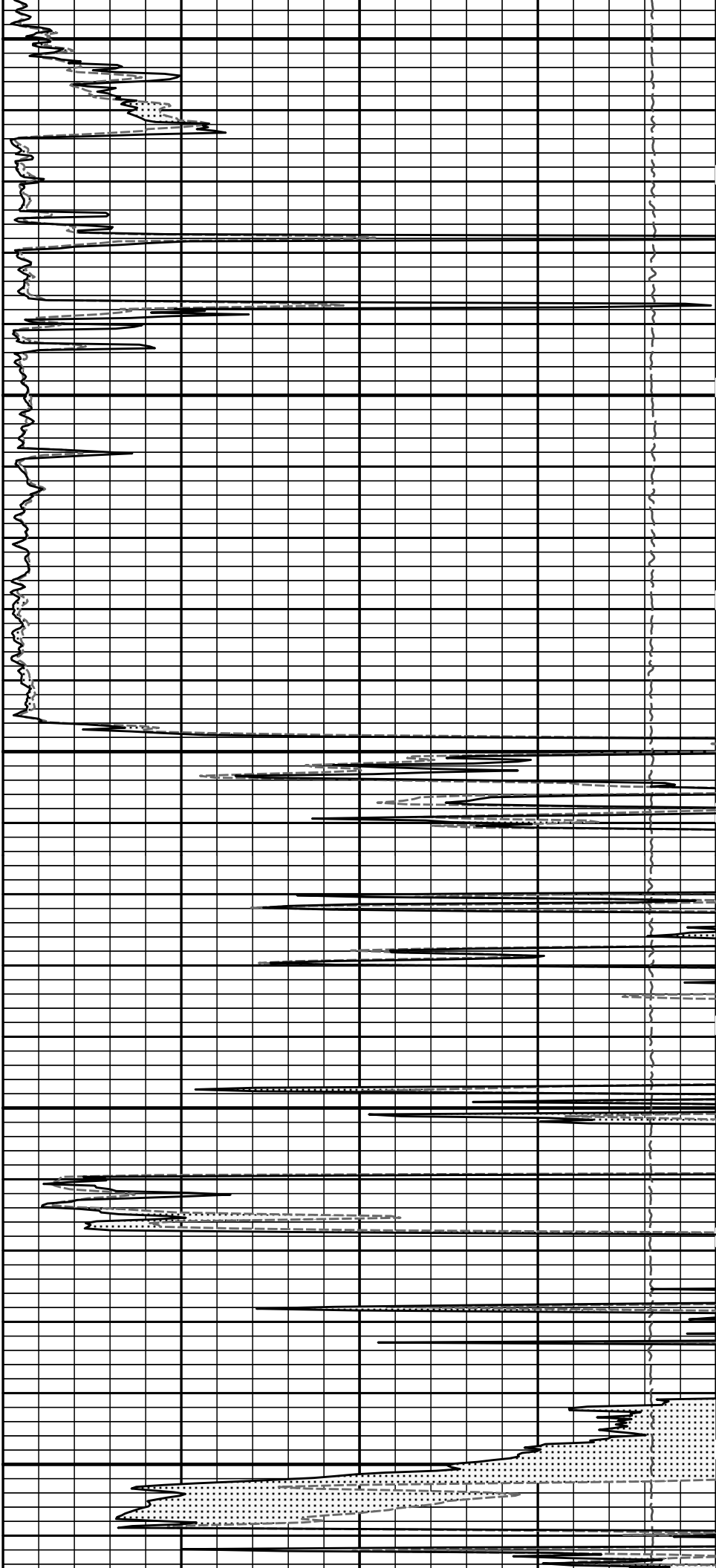
5000

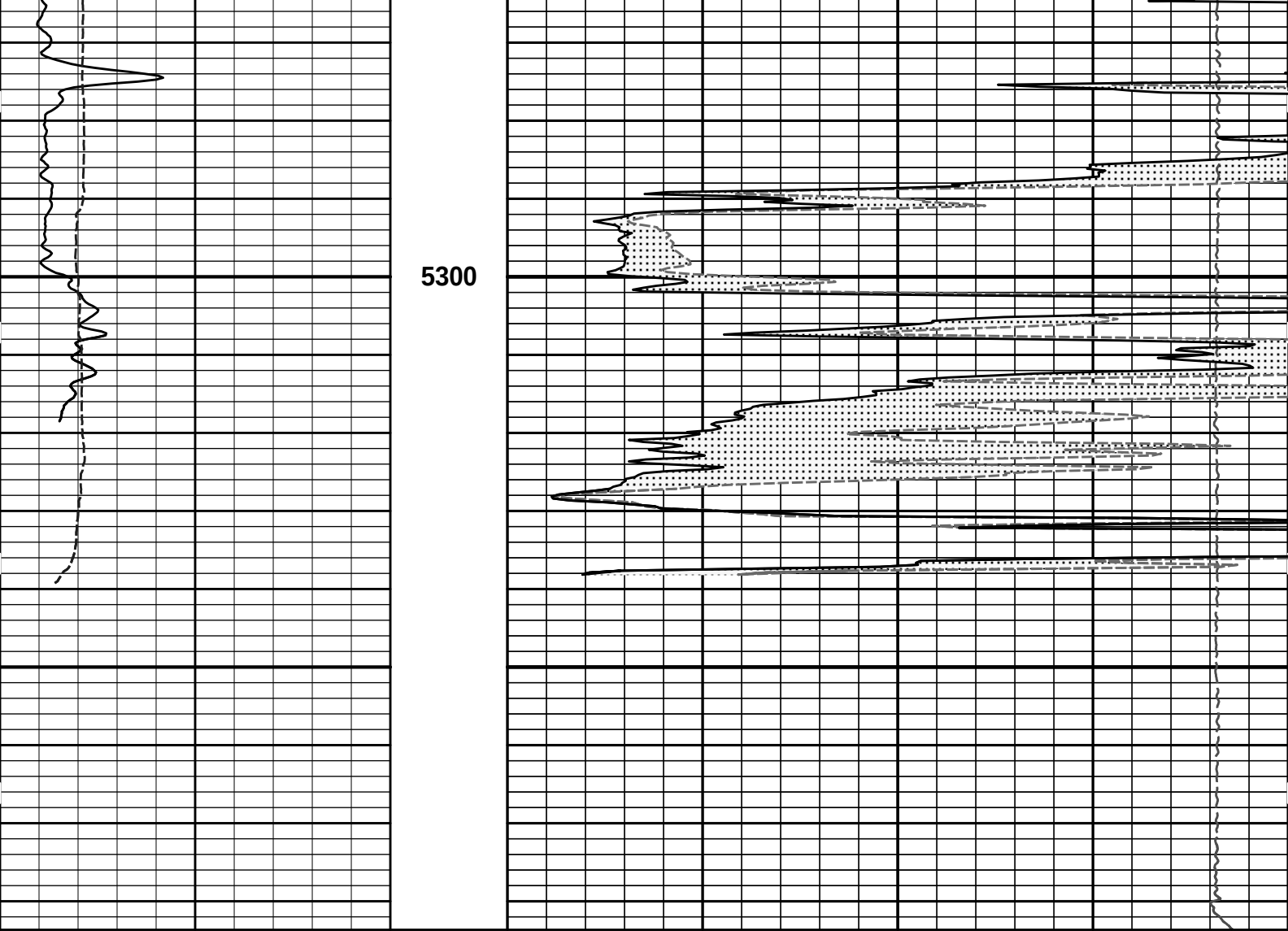




5100

5200





6	Caliper	16	1 : 240	15K	Tension	0
	inches		ft		pounds	
0	Gamma API	150		0	MicrologLateral	20
	api				ohm-metre	
	SHALE			0	MicrologNormal	20
					ohm-metre	
					PERMEABLE	

HALLIBURTON

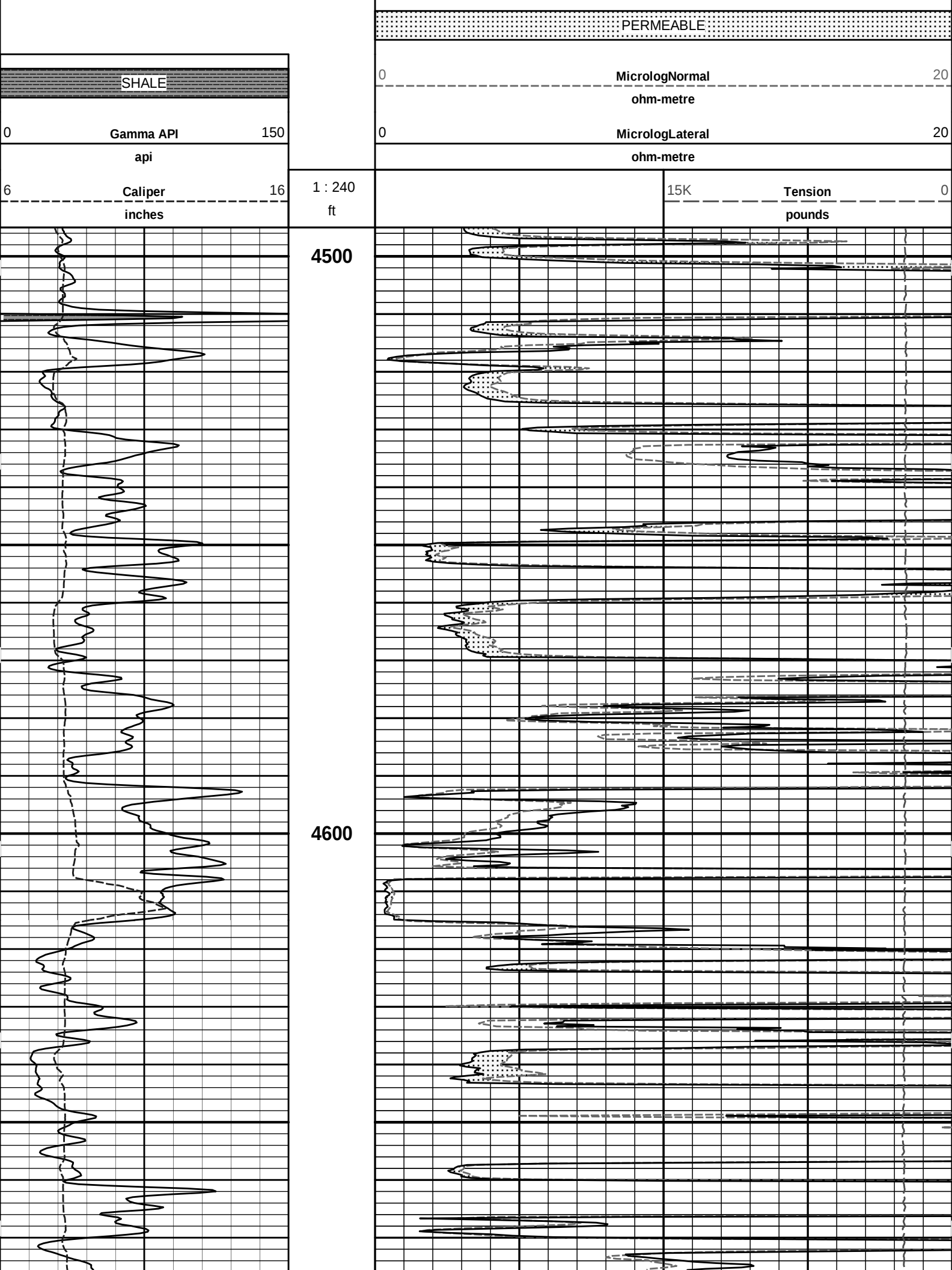
Plot Time: 28-Jan-13 18:57:04
Plot Range: 3895 ft to 5383.67 ft
Data: DEVORE_D-1\Well Based\DEVORE_D-1_DETAIL\
Plot File: \\-LOCAL-DEVORE_D-1\Well Based\MICROLOG\Microlog_IQ_5_main_lib

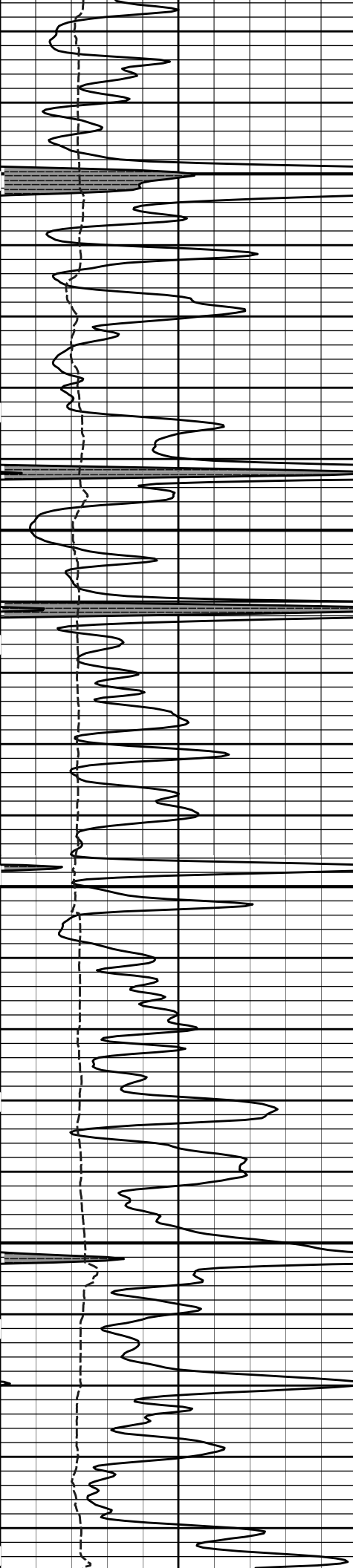
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 28-Jan-13 18:57:05
Plot Range: 4495 ft to 5379.5 ft
Data: DEVORE_D-1\Well Based\DEVORE_REPEAT\
Plot File: \\-LOCAL-DEVORE_D-1\Well Based\MICROLOG\Microlog_IQ_5_rep_lib

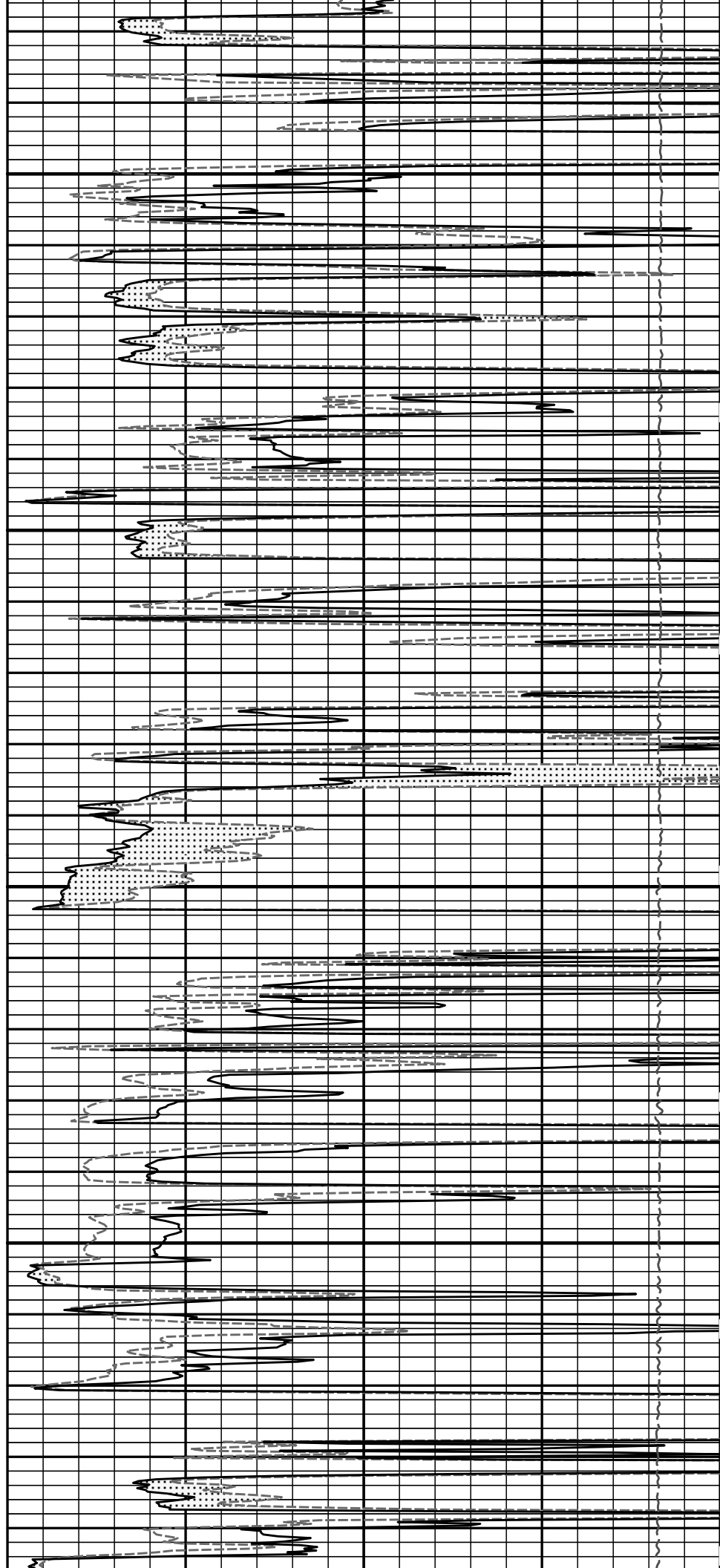
REPEAT SECTION

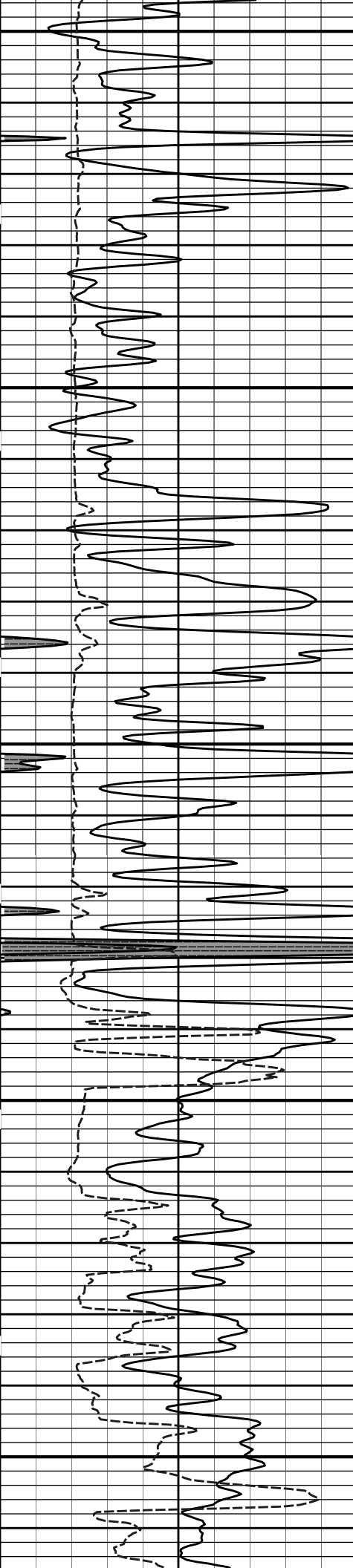




4700

4800

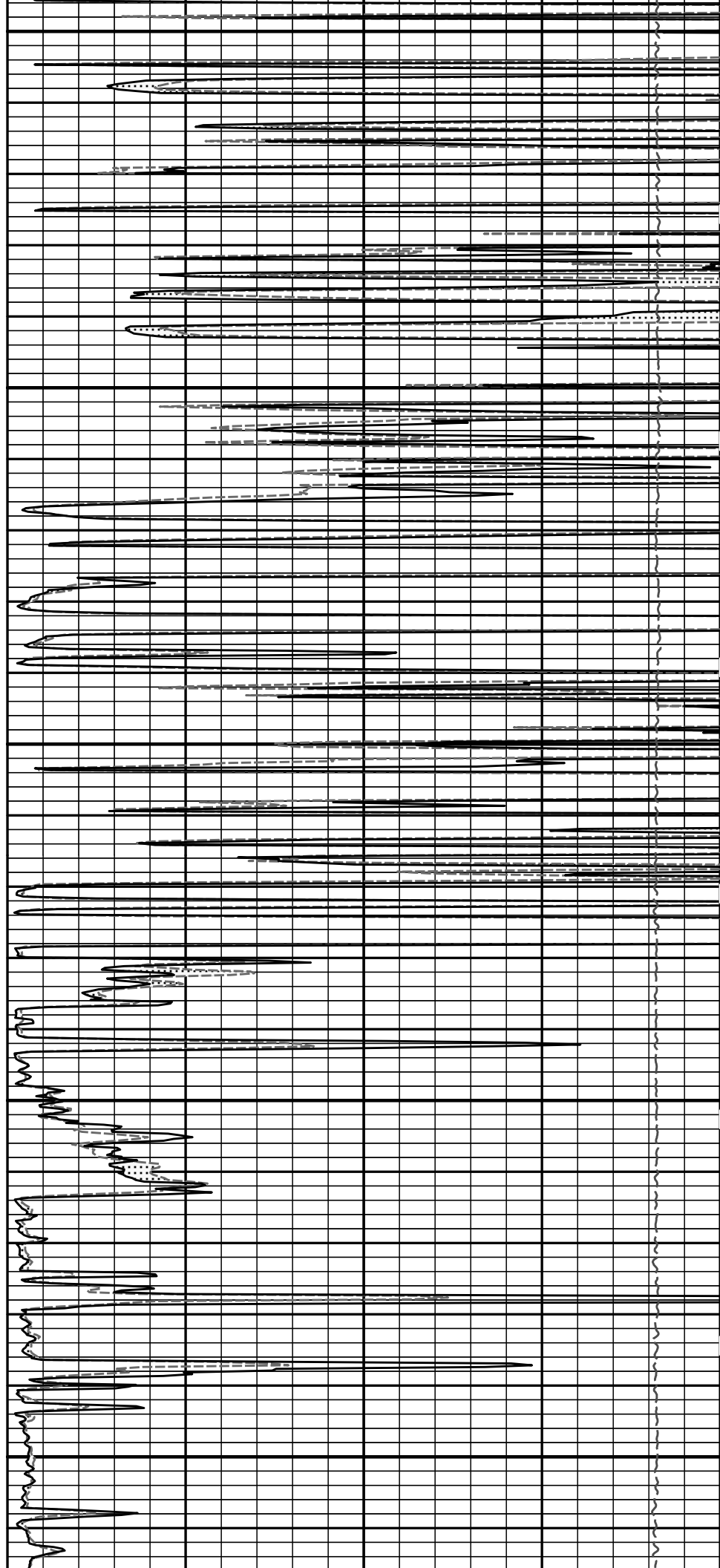


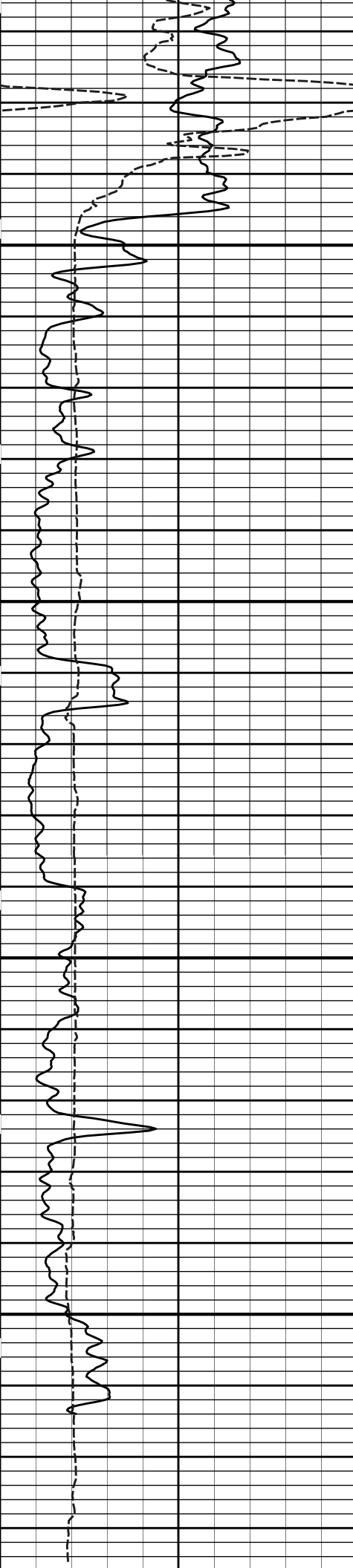


4900

5000

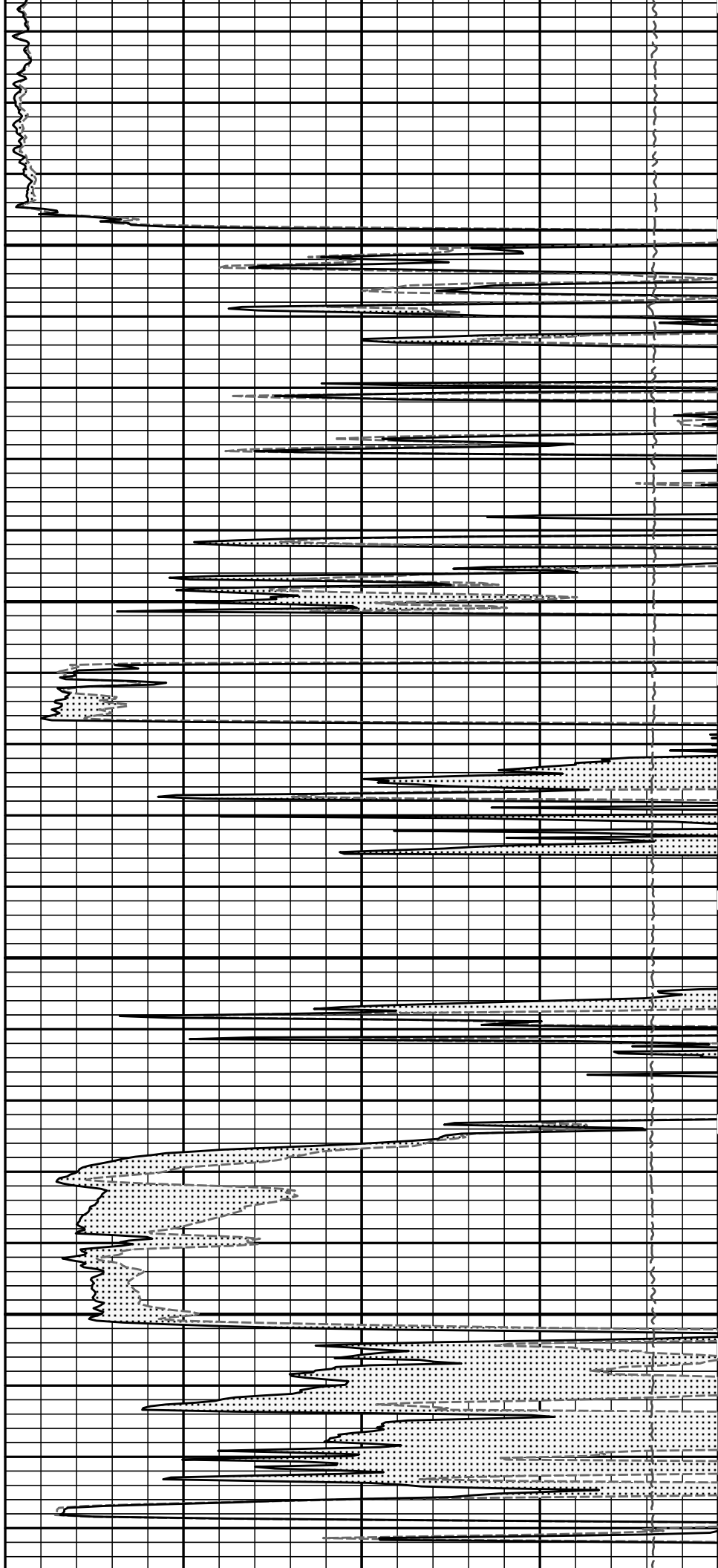
5100

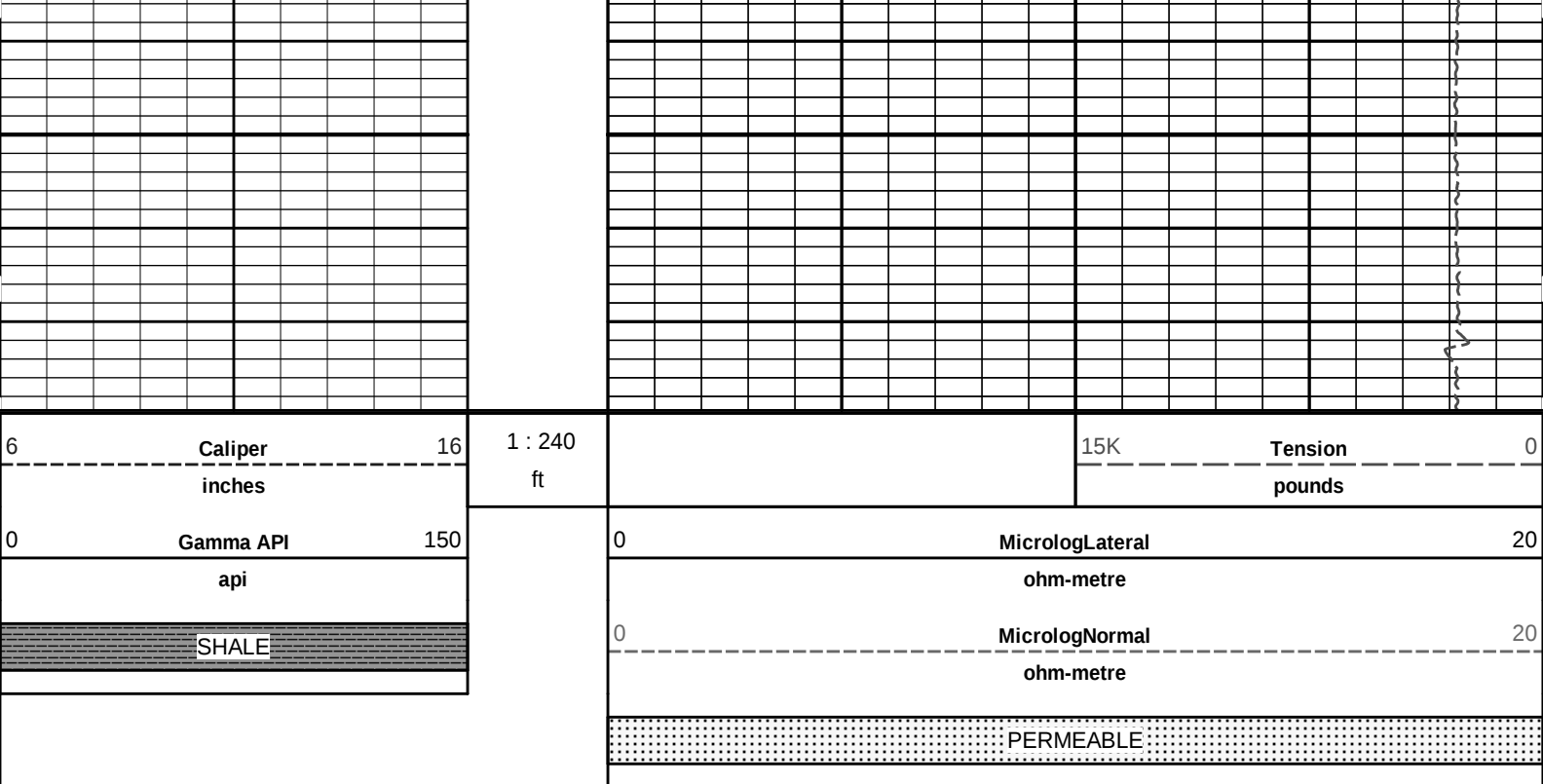




5200

5300





HALLIBURTON

Plot Time: 28-Jan-13 18:57:15
Plot Range: 4495 ft to 5379.5 ft
Data: DEVORE_D-1\Well Based\DEVORE_REPEAT\
Plot File: \\-LOCAL-DEVORE_D-1\Well Based\MICROLOG\Microlog_IQ_5_rep_lib

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
Cable Head- PROT01 30.00 lbs		Ø 3.625 in →			1.92 ft	75.95 ft
SP Sub-11441455 60.00 lbs		Ø 3.625 in →		← SP @ 72.26 ft	3.74 ft	74.03 ft
GTET-10748374 165.00 lbs		Ø 3.625 in →			8.52 ft	70.30 ft
				← GammaRay @ 64.23 ft		
						61.78 ft
DSN Decentralizer- 11019643 6.60 lbs		Ø 5.000 in* →				
DSNT-10735145 174.00 lbs		Ø 3.625 in →			9.69 ft	

SDLT-10673803
360.00 lbs

SDLT Pad-10673790
65.00 lbs
Microlog Pad-10673803
8.00 lbs

Ø 4.500 in →

Ø 4.750 in* →
Ø 4.750 in* →

← DSN Far @ 54.84 ft
← DSN Near @ 54.09 ft

10.81 ft

52.09 ft

Flex Joint-001
140.00 lbs

Ø 3.625 in →

Microlog @ 44.28 ft
SDL Caliper @ 44.09 ft
SDL @ 44.08 ft

5.67 ft

41.28 ft

Centralizer 29-1
12.00 lbs

Ø 4.000 in* →

35.61 ft

BSAT-10747684
300.00 lbs

Ø 3.625 in →

← Sonic Receivers @ 27.09 ft

15.77 ft

ACRt Instrument-
I256
50.00 lbs

Centralizer 29-2
12.00 lbs

Ø 4.000 in* →
Ø 3.625 in →

5.03 ft

19.83 ft

ACRt Sonde-
10800784
200.00 lbs

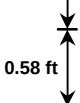
Ø 3.625 in →

← Mud Resistivity @ 13.44 ft

← ACRt @ 9.46 ft

14.22 ft

14.80 ft

Cabbage Head- TRK696 10.00 lbs			Ø 3.625 in Ø 6.000 in			0.58 ft 0.00 ft	
Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	Standard OH Cable Head		PROT01	30.00	1.92	74.03	300.00
SP	SP Sub		11441455	60.00	3.74	70.30	300.00
GTET	Gamma Telemetry Tool		10748374	165.00	8.52	61.78	60.00
DSNT	Dual Spaced Neutron		10735145	174.00	9.69	52.09	60.00
DCNT	DSN Decentralizer		11019643	6.60	5.13	* 55.42	300.00
SDLT	Spectral Density Tool		10673803	360.00	10.81	41.28	60.00
MICP	Microlog Pad		10673803	8.00	1.00	* 43.78	60.00
SDLP	Density Insite Pad		10673790	65.00	2.55	* 43.49	60.00
FLEX	Flex Joint		001	140.00	5.67	35.61	300.00
BSAT	Borehole Sonic Array Tool		10747684	300.00	15.77	19.83	60.00
OBCEN	Centralizer - 29 in.Overbody		1	12.00	2.42	* 32.77	300.00
ACRt	Array Compensated True Resistivity Instrument Section		I256	50.00	5.03	14.80	300.00
OBCEN	Centralizer - 29 in.Overbody		2	12.00	2.42	* 16.39	300.00
ACRt	Array Compensated True Resistivity Sonde Section		10800784	200.00	14.22	0.58	300.00
CBHD	Cabbage Head		TRK696	10.00	0.58	0.00	300.00
Total				1,592.60	75.95		
* Not included in Total Length and Length Accumulation.							
Data: DEVORE_D-1I0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CH\IDLE							
Date: 28-Jan-13 14:46:59							

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	8.800	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	1.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	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	5555.00	ft
	SHARED	BHT	Bottom Hole Temperature	130.0	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 /	MEAC	Archie M factor	2.1500	

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	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DSNO	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	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	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 Up	
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: DEVORE_D-1\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CH\005 28-Jan-13 16:58 Up @5383.8f				Date: 28-Jan-13 18:25:53

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 10748374		Reference Calibration Date: 19-Dec-12 08:49:49																	
Engineer: T. HYDE		Calibration Date: 17-Jan-13 13:03:23																	
Software Version: WL INSITE R3.6.0 (Build 3)		Calibration Version: 1																	
Calibrator Source S/N: TB-185																			
Calibrator API Reference:228.00 api																			
Equivalent Calibrator API Reference:232.0 api																			
<table><tr><th>Measurement</th><th>Measured</th><th>Calibrated</th><th>Units</th></tr><tr><td>Background</td><td>47.0</td><td>47.4</td><td>api</td></tr><tr><td>Background + Calibrator</td><td>277.4</td><td>279.4</td><td>api</td></tr><tr><td>Calibrator</td><td>230.4</td><td>232.0</td><td>api</td></tr></table>				Measurement	Measured	Calibrated	Units	Background	47.0	47.4	api	Background + Calibrator	277.4	279.4	api	Calibrator	230.4	232.0	api
Measurement	Measured	Calibrated	Units																
Background	47.0	47.4	api																
Background + Calibrator	277.4	279.4	api																
Calibrator	230.4	232.0	api																

NATURAL GAMMA RAY TOOL FIELD CALIBRATION																			
Tool Name: GTET - 10748374		Reference Calibration Date: 17-Jan-13 13:03:23																	
Engineer: S. INGERSOLL		Calibration Date: 27-Jan-13 22:24:16																	
Software Version: WL INSITE R3.8.0 (Build 2)		Calibration Version: 1																	
Calibrator Source S/N: TB-185																			
Calibrator API Reference:228.00 api																			
Equivalent Calibrator API Reference:232.0 api																			
<table><tr><th>Field Verification</th><th>Shop</th><th>Field</th><th>Units</th></tr><tr><td>Background</td><td>47.4</td><td>30.2</td><td>api</td></tr><tr><td>Background + Calibrator</td><td>279.4</td><td>263.6</td><td>api</td></tr><tr><td>Calibrator</td><td>232.0</td><td>233.4</td><td>api</td></tr></table>				Field Verification	Shop	Field	Units	Background	47.4	30.2	api	Background + Calibrator	279.4	263.6	api	Calibrator	232.0	233.4	api
Field Verification	Shop	Field	Units																
Background	47.4	30.2	api																
Background + Calibrator	279.4	263.6	api																
Calibrator	232.0	233.4	api																
<table><tr><th>Shop</th><th>Field</th><th>Difference</th><th>Tolerance</th></tr><tr><td>232.0</td><td>233.4</td><td>-1.4</td><td>+/- 9.00</td></tr></table>				Shop	Field	Difference	Tolerance	232.0	233.4	-1.4	+/- 9.00								
Shop	Field	Difference	Tolerance																
232.0	233.4	-1.4	+/- 9.00																

DENSITY CALIPER SHOP CALIBRATION			
Tool Name: SDLT - 10673803		Reference Calibration Date: 17-Jan-13 12:49:23	
Engineer: T. HYDE		Calibration Date: 17-Jan-13 12:54:06	
Software Version: WL INSITE R3.6.0 (Build 3)		Calibration Version: 1	
Host Tool Name: DSNT - 10735145			

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-4248.56	-4260.08	-7000.00 - -1000.00
Pad Gain	0.0003791	0.0003793	0.000200 - 0.000600
Arm Offset	-3809.03	-3741.95	-5000.00 - 3000.00
Arm Gain	0.0005254	0.0005191	0.000300 - 0.000700
Arm Power	-0.000005762	-0.000005410	-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)	2.00	2.00	0.00	+/- 0.20
Medium Ring (in)	3.75	3.75	0.00	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.49	6.50	0.01	+/- 0.20
Medium Ring (in)	8.26	8.25	-0.01	+/- 0.20
Large Ring (in)	15.01	15.00	-0.01	+/- 0.20

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

MICRO LOG SHOP CALIBRATION					
Tool Name:	Microlog Pad - 10673803		Reference Calibration Date:	12-Dec-12 13:15:00	
Engineer:	T. HYDE		Calibration Date:	17-Jan-13 12:59:59	
Software Version:	WL INSITE R3.6.0 (Build 3)		Calibration Version:	1	
Host Tool Name:	DSNT - 10735145				

	CALIBRATION COEFFICIENT SUMMARY					
	Measurement	Micro Log Normal		Micro Log Lateral		Units
		Measured	Calibrated	Measured	Calibrated	
	Tool Zero	-0.08	-0.09	0.00	-0.01	ohmm
	Calibration Point #1	0.01	0.00	0.01	0.00	ohmm
	Calibration Point #2	19.99	20.00	19.97	20.00	ohmm
	Internal Reference	19.92	19.93	19.97	19.99	ohmm
	Measurement	Micro Log Normal Tool Value		Micro Log Lateral Tool Value		Units
	Tool Zero	-2.61		1.80		V
	Calibration Point #1	20.64		4.23		V
	Calibration Point #2	5390.51		7008.01		V
	Internal Reference	5370.42		7006.04		V

MICRO LOG FIELD CHECK					
Tool Name:	Microlog Pad - 10673803		Reference Calibration Date:	17-Jan-13 12:59:59	
Engineer:	S. INGERSOLL		Calibration Date:	27-Jan-13 22:40:00	
Software Version:	WL INSITE R3.8.0 (Build 2)		Calibration Version:	1	

	Measurement	Micro Log Normal		Micro Log Lateral		Units
		Shop	Field	Shop	Field	
	Tool Zero	-0.09	-0.08	-0.01	-0.01	ohmm
	Internal Reference	19.93	19.90	19.99	19.97	ohmm
	Summary					
	Signal	Shop	Field	Difference	Tolerance	
	Microlog Normal	19.93	19.90	0.03	+/- 0.80	
	Microlog Lateral	19.99	19.97	0.02	+/- 0.80	

SDLT CALIPER FIELD CALIBRATION					
Tool Name:	SDLT - 10673803		Reference Calibration Date:	17-Jan-13 12:54:06	
Engineer:	S. INGERSOLL		Calibration Date:	27-Jan-13 22:38:55	
Software Version:	WL INSITE R3.8.0 (Build 2)		Calibration Version:	1	

	MEASURED CALIPER VALUES				
	Measurement	Shop	Field	Change	Control Limit On New Value
	Pad Extension	3.75	3.74	-0.01	+/- 0.10
	Ring Diameter	8.25	8.27	0.02	+/- 0.15

PASS/FAIL SUMMARY					
-------------------	--	--	--	--	--

Pad Extension Check:				Passed		
Diameter Check:				Passed		
CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10748374						
Gamma Ray Calibrator	232.0	233.4	-----	-1.4	+/- 9.00	api
SDLT-10673803						
Pad Extension	3.75	3.74	-----	0.01	+/-0.10	in
Ring Diameter	8.25	8.27	-----	-0.02	+/-0.15	in
Microlog Pad-10673803						
MicroLog Normal	19.93	19.90	-----	0.03	+/-0.80	ohmm
MicroLog Lateral	19.99	19.97	-----	0.02	+/-0.80	ohmm
Data: DEVORE_D-1\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CH\005 28-Jan-13 16:58 Up @5383.8f					Date: 28-Jan-13 18:24:57	

HALLIBURTON						
INPUTS, DELAYS AND FILTERS TABLE						
Mnemonic		Input Description	Delay (ft)	Filter Type	Filter Length (ft)	
Depth Panel						
TENS	Tension		0.00	NO		
SP Sub						
PLTC	Plot Control Mask		72.25	NO		
SP	Spontaneous Potential		72.25	BLK	1.250	
SPR	Raw Spontaneous Potential		72.25	NO		
SPO	Spontaneous Potential Offset		72.25	NO		
GTET						
TPUL	Tension Pull		64.23	NO		
GR	Natural Gamma Ray API		64.23	TRI	1.750	
GRU	Unfiltered Natural Gamma Ray API		64.23	NO		
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution		64.23	W	1.416 , 0.750	
ACCZ	Accelerometer Z		0.00	BLK	0.083	
DEVI	Inclination		0.00	NO		
DSNT						
TPUL	Tension Pull		53.99	NO		
RNDS	Near Detector Telemetry Counts		54.09	BLK	1.417	
RFDS	Far Detector Telemetry Counts		54.84	TRI	0.583	
DNTT	DSN Tool Temperature		54.09	NO		
DSNS	DSN Tool Status		53.99	NO		
ERND	Near Detector Telemetry Counts EVR		54.09	BLK	0.000	
ERFD	Far Detector Telemetry Counts EVR		54.84	BLK	0.000	
ENTM	DSN Tool Temperature EVR		54.09	NO		
SDLT						
TPUL	Tension Pull		44.09	NO		
PCAL	Pad Caliper		44.09	TRI	0.250	
ACAL	Arm Caliper		44.09	TRI	0.250	
BSAT						
TPUL	Tension Pull		27.09	NO		

TPUL	Tension Pull	27.09	NO	
STAT	Status	27.09	NO	
DLYT	Delay Time	27.09	NO	
SI	Sample Interval	27.09	NO	
TXRX	Raw Telemetry 10 Receivers	27.09	NO	
FRMC	Tool Frame Count	27.09	NO	
GMOD	Gain processing mode	19.83	NO	
ACRt Sonde				
TPUL	Tension Pull	2.97	NO	
F1R1	ACRT 12KHz - 80in R value	9.22	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	9.22	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.72	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.72	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	5.22	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	5.22	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	4.22	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	4.22	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.72	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.72	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.47	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.47	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	9.22	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	9.22	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.72	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.72	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	5.22	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	5.22	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	4.22	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	4.22	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.72	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.72	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.47	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.47	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	9.22	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	9.22	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.72	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.72	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	5.22	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	5.22	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	4.22	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	4.22	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.72	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.72	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.47	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.47	BLK	0.000
RMUD	Mud Resistivity	12.76	BLK	0.000
F1RT	Transmitter Current Raw 12K X Receiver	2.97	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.97	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.97	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.97	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.97	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.97	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.97	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.97	BLK	0.000
ITMP	Instrument Temperature	2.97	BLK	0.000

TCVA	Temperature Correction Values Loop Off	2.97	NO	
TIDV	Instrument Temperature Derivative	2.97	NO	
TUDV	Upper Temperature Derivative	2.97	NO	
TLDV	Lower Temperature Derivative	2.97	NO	
TRBD	Receiver Board Temperature	2.97	NO	
SDLT Pad				
TPUL	Tension Pull	44.08	NO	
NAB	Near Above	43.90	BLK	0.920
NHI	Near Cesium High	43.90	BLK	0.920
NLO	Near Cesium Low	43.90	BLK	0.920
NVA	Near Valley	43.90	BLK	0.920
NBA	Near Barite	43.90	BLK	0.920
NDE	Near Density	43.90	BLK	0.920
NPK	Near Peak	43.90	BLK	0.920
NLI	Near Lithology	43.90	BLK	0.920
NBAU	Near Barite Unfiltered	43.90	BLK	0.250
NLIU	Near Lithology Unfiltered	43.90	BLK	0.250
FAB	Far Above	44.26	BLK	0.250
FHI	Far Cesium High	44.26	BLK	0.250
FLO	Far Cesium Low	44.26	BLK	0.250
FVA	Far Valley	44.26	BLK	0.250
FBA	Far Barite	44.26	BLK	0.250
FDE	Far Density	44.26	BLK	0.250
FPK	Far Peak	44.26	BLK	0.250
FLI	Far Lithology	44.26	BLK	0.250
PTMP	Pad Temperature	44.09	BLK	0.920
NHV	Near Detector High Voltage	43.49	NO	
FHV	Far Detector High Voltage	43.49	NO	
ITMP	Instrument Temperature	43.49	NO	
DDHV	Detector High Voltage	43.49	NO	
Microlog Pad				
TPUL	Tension Pull	44.28	NO	
MINV	Microlog Lateral	44.28	BLK	0.750
MNOR	Microlog Normal	44.28	BLK	0.750
Data: DEVORE_D-1\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHI005 28-Jan-13 16:58 Up @5383.8f			Date: 28-Jan-13 18:18:58	
COMPANY	OXY USA INC.			
WELL	DEVORE D-1			
FIELD	PANOMA GAS AREA			
COUNTY	FINNEY	STATE	KANSAS	
HALLIBURTON		MICROLOG		