HALLIBURTON

MICROLOG

COMPANY **OXY USA INC**

WELL **ANSHUTZ A-1**

FIELD **SANTA FE NORTH**

COUNTY **HASKELL** STATE **KANSAS**

COMPANY OXY USA INC
WELL ANSHUTZ A-1
FIELD SANTA FE NORTH
COUNTY HASKELL
STATE KANSAS

API No. 15-081-21980
Location 2280' FSL & 2310' FWL

Other Services:
DSNT / SDLT
BSAT
ACRT

Sect. 1 Twp. 28S Rge. 33W

Permanent Datum	GL	Elev. 2945.0 ft	Elev.: K.B. 2959.0 ft
Log measured from	KB	, 14.0 ft above perm. Datum	D.F. 2958.0 ft
Drilling measured from	KB		G.L. 2945.0 ft

Date		21-Jul-12					
Run No.		ONE					
Depth - Driller		5663.00 ft					
Depth - Logger		5651.0 ft					
Bottom - Logged Interval		5613.0 ft					
Top - Logged Interval		4000.0 ft					
Casing - Driller		8.625 in @ 1819.0 ft		@		@	
Casing - Logger		1818.0 ft					
Bit Size		7.875 in		@		@	
Type Fluid in Hole		WATER BASED MUD					
Density	Viscosity	9.5 ppg	60.00 s/qt				
PH	Fluid Loss	9.00 pH	5.6 cptm				
Source of Sample		FLOW LINE					
Rm @ Meas. Temperature		0.770 ohmm @ 90.00 degF		@		@	
Rmf @ Meas. Temperature		0.85 ohmm @ 72.00 degF		@		@	
Rmc @ Meas. Temperature		1.000 ohmm @ 72.00 degF		@		@	
Source Rmf	Rmc	MEAS	MEAS				
Rm @ BHT		0.41 ohmm @ 148.0 degF		@		@	
Time Since Circulation		13.7 hr					
Time on Bottom		21-Jul-12 15:10					
Max. Rec. Temperature		148.0 degF @ 5651.0 ft		@		@	
Equipment	Location	10546696	LIBERAL				
Recorded By		C. HAVERKAMP					
Witnessed By		D. PRATT					

Fold here

Service Ticket No.: 9502781 API Serial No.: 15-081-21980 PGM Version: WL INSITE R3.6.0 (Build 3)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

RESISTIVITY SCALE CHANGES

	Type Log	Depth	Scale Up Hole	Scale Down Hole
Date				
Sample No.				
Depth-Driller				
Type Fluid in Hole				
Density / Viscosity				
Ph / Fluid Loss				
Source of Sample				
Rm @ Meas. Temp				
Rmf @ Meas. Temp.				
Rmc @ Meas. Temp.				
Source Rmf / Rmc				
Rm @ BHT				
Rmf @ BHT				
Rmc @ BHT				

RESISTIVITY EQUIPMENT DATA

	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
Date					
Sample No.					
Depth-Driller					
Type Fluid in Hole					
Density / Viscosity					
Ph / Fluid Loss					
Source of Sample					
Rm @ Meas. Temp	@	MICRO	RUBBER	ADJ.	N/A
Rmf @ Meas. Temp.	@	ONE			
Rmc @ Meas. Temp.	@				
Source Rmf / Rmc					
Rm @ BHT	@				
Rmf @ BHT	@				
Rmc @ BHT	@				

EQUIPMENT DATA

	GAMMA	ACOUSTIC	DENSITY	NEUTRON
Run No.	ONE			
Serial No.	11048627			
Model No.	GTET			
Diameter	3.625			
Detector Model No.	T-102			
Type	SCINT			
Length	8"	LSA [Y/N]		
Distance to Source	10'	FWDA [Y/N]		

LOGGING DATA

	GAMMA	ACOUSTIC	DENSITY	NEUTRON
Run No.				
Serial No.				
Model No.				
Diameter				
Log Type				
Source Type				
Serial No.				
Strength				

GENERAL GAMMA ACOUSTIC DENSITY NEUTRON

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	5651'	4000'	REC	0	150									

DIRECTIONAL INFORMATION

Maximum Deviation @	KOP @

Remarks: SP-GTET-DSNT-SDLT-BSAT-ACRT RAN IN COMBINATION.

ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.

CHLORIDES REPORTED AT 5500 MG/L.

LCM REPORTED AT 2 LB/BBL.

POST TOOL SURVEYS NOT PERFORMED PER CUSTOMER REQUEST.

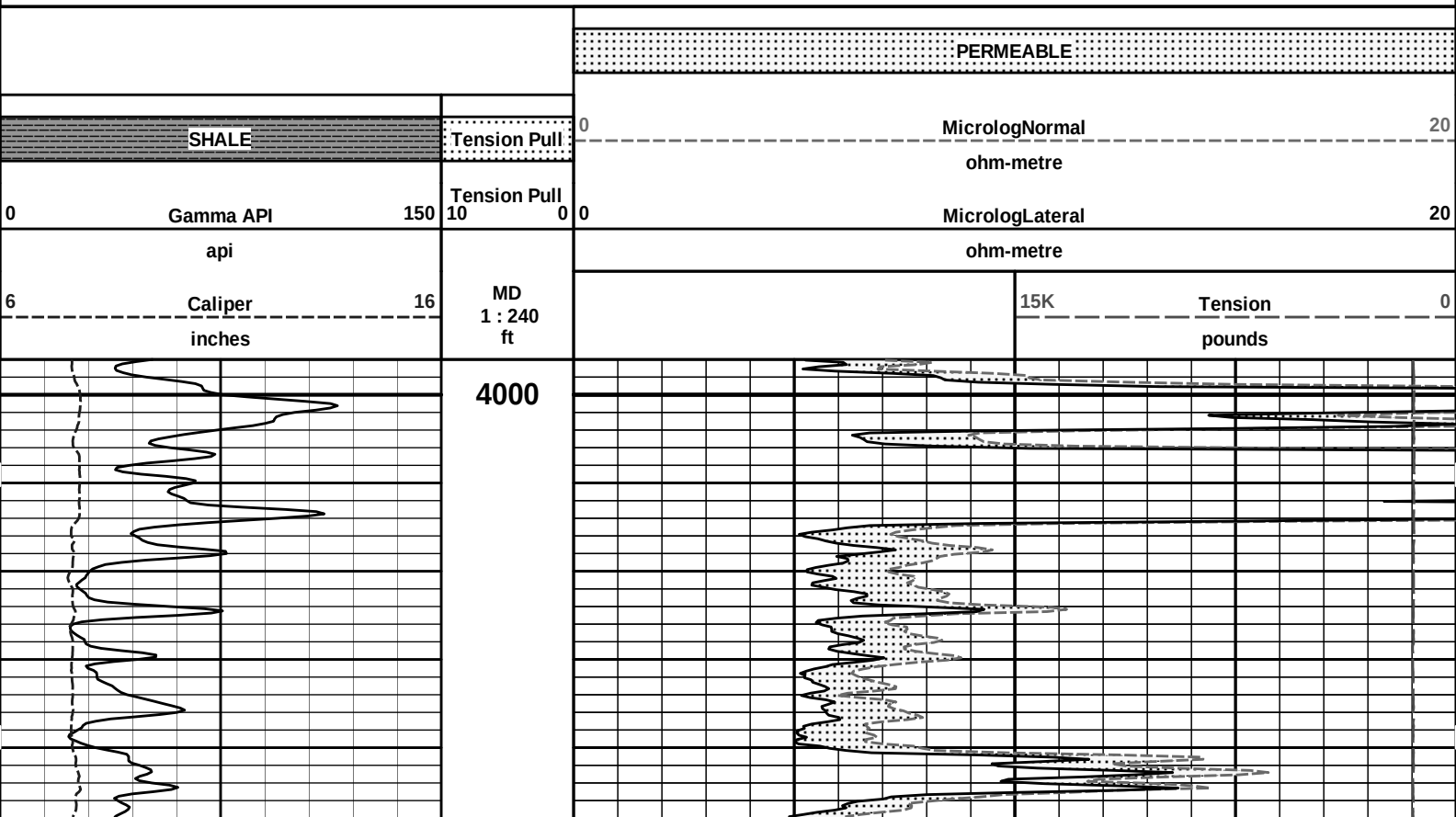
YOUR CREW: P. COBLE, V. JAIME

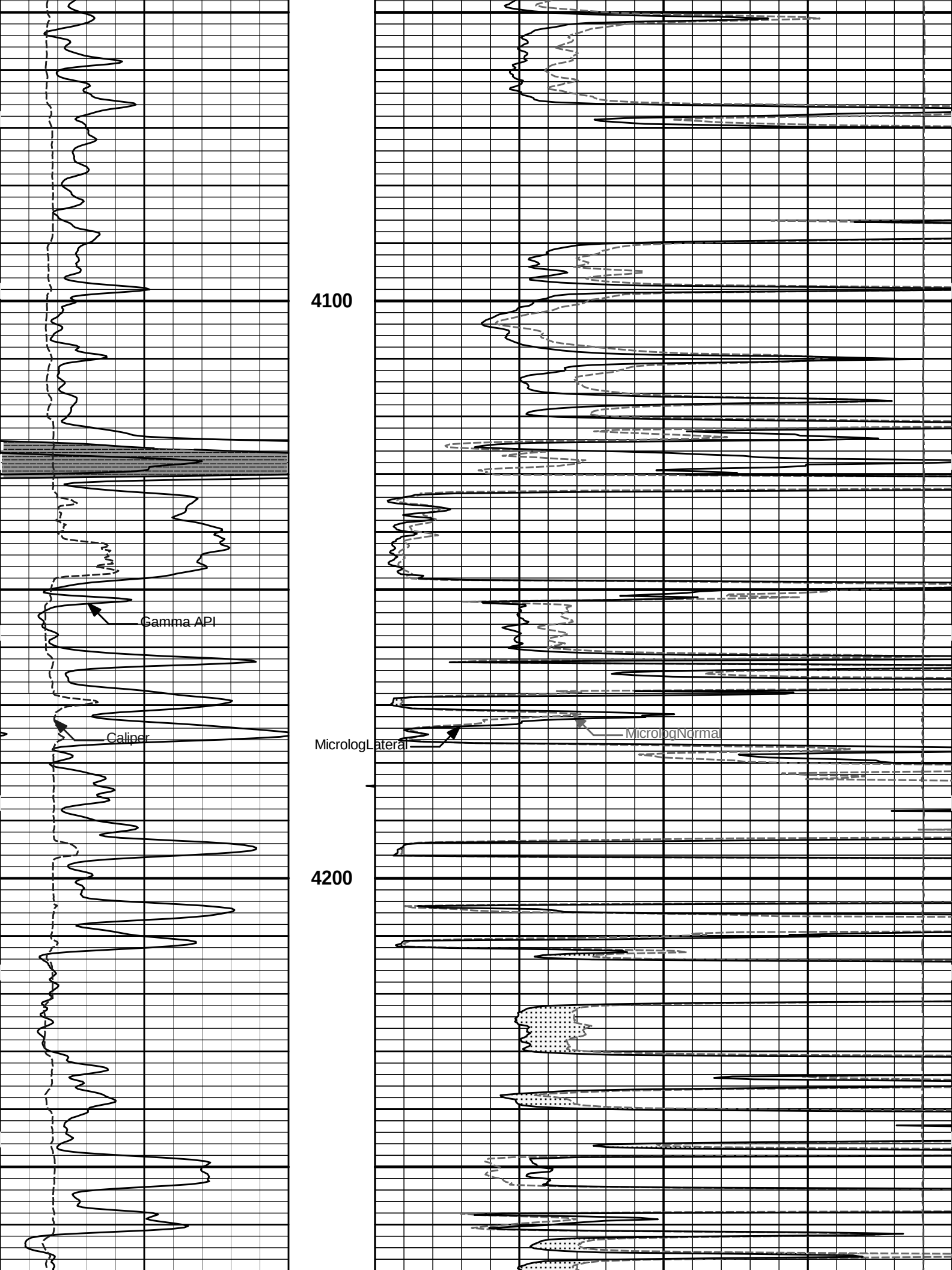
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES. LIBERAL, KS 620-624-8123

HALLIBURTON

Plot Time: 21-Jul-12 17:11:34
Plot Range: 3996 ft to 5658.08 ft
Data: ANSHUTZ_A_1\Well Based\R1_DETAIL
Plot File: \\-LOCAL-\ANSHUTZ_A_1\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\MICRO\Microlog_IQ_5_main_lib

5 INCH MAIN LOG

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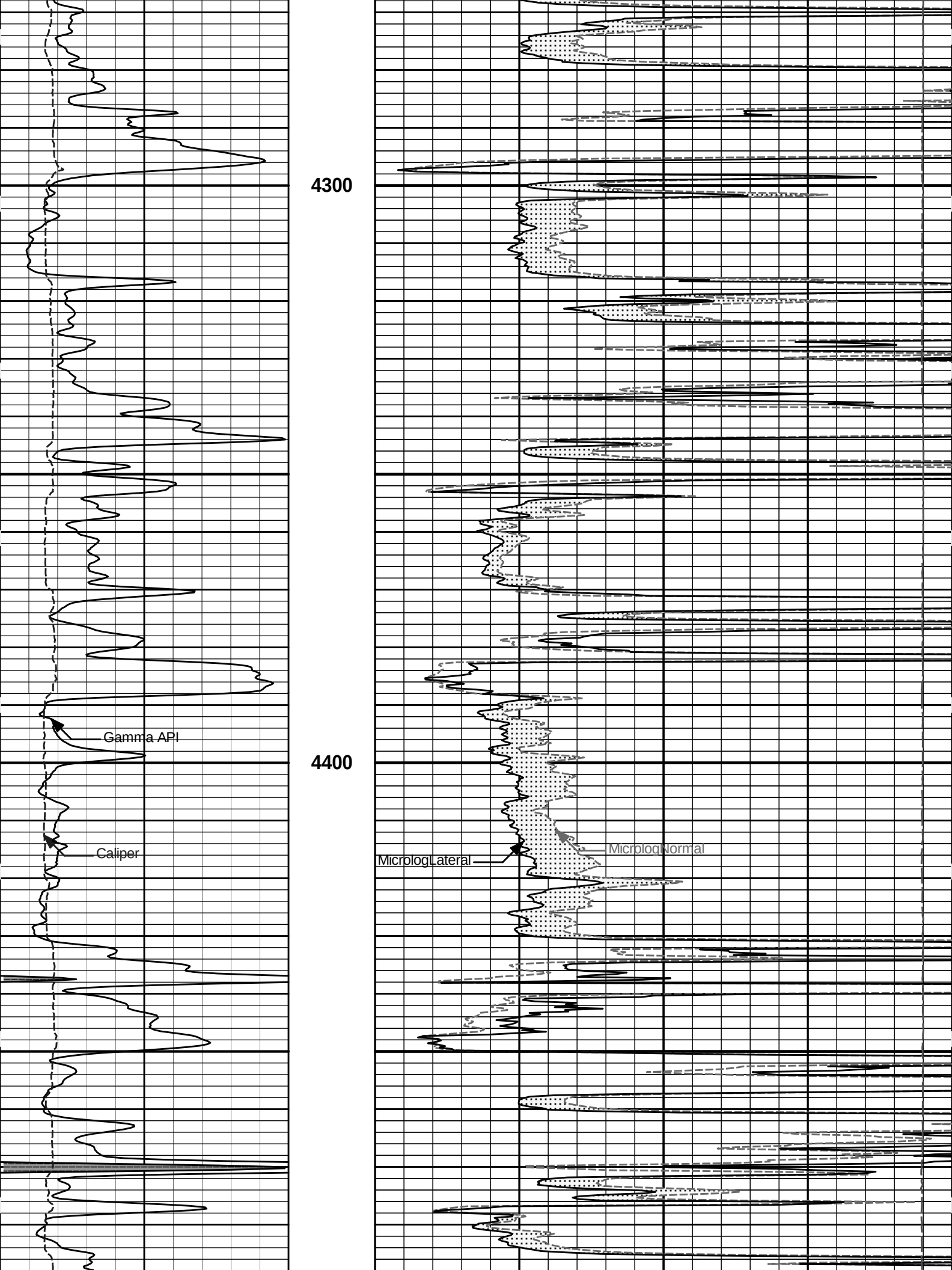
Gamma API
Caliper
MicrologLateral
MicrologNormal
4200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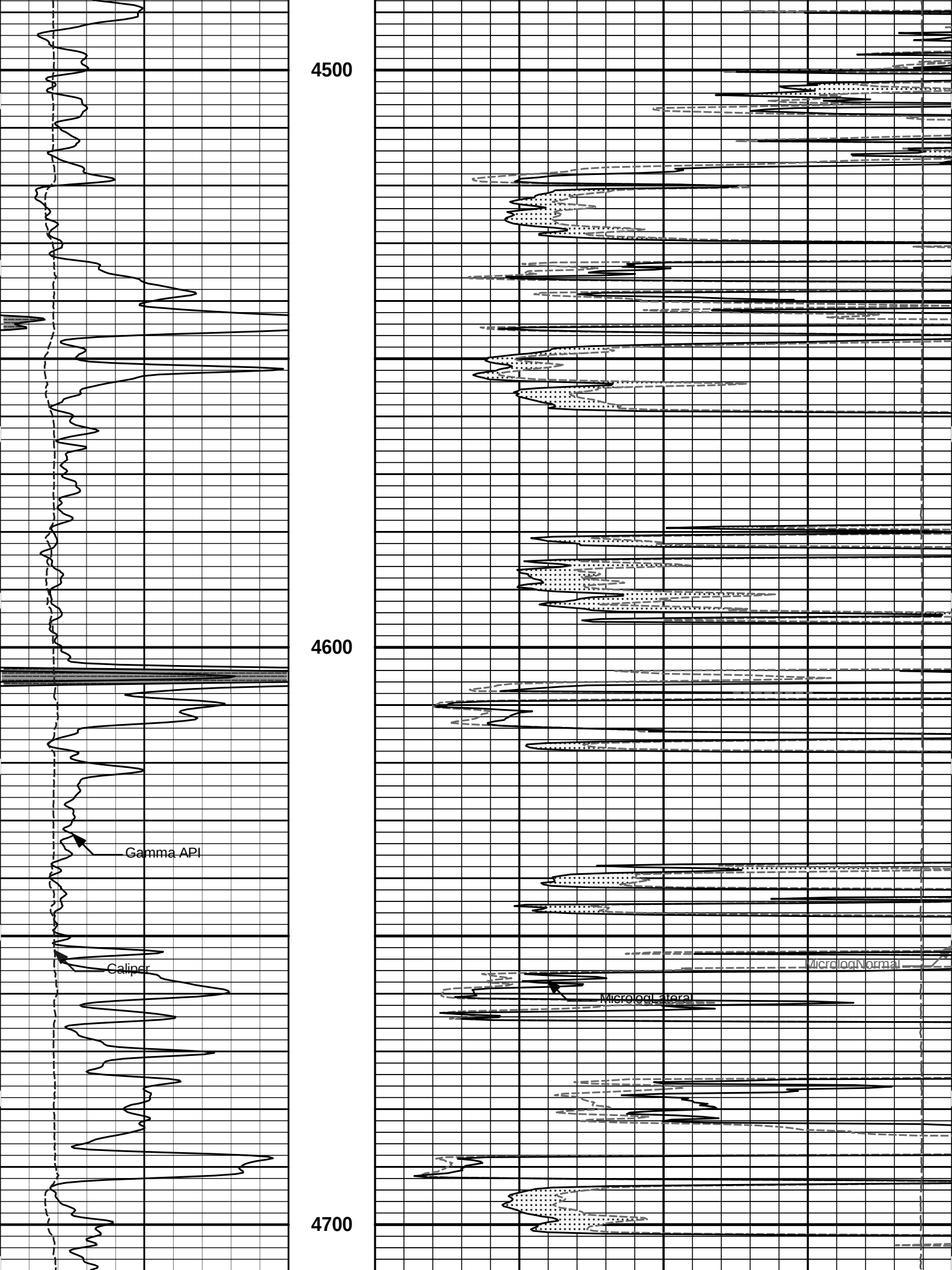
Caliper
MicrologLateral
MicrologNormal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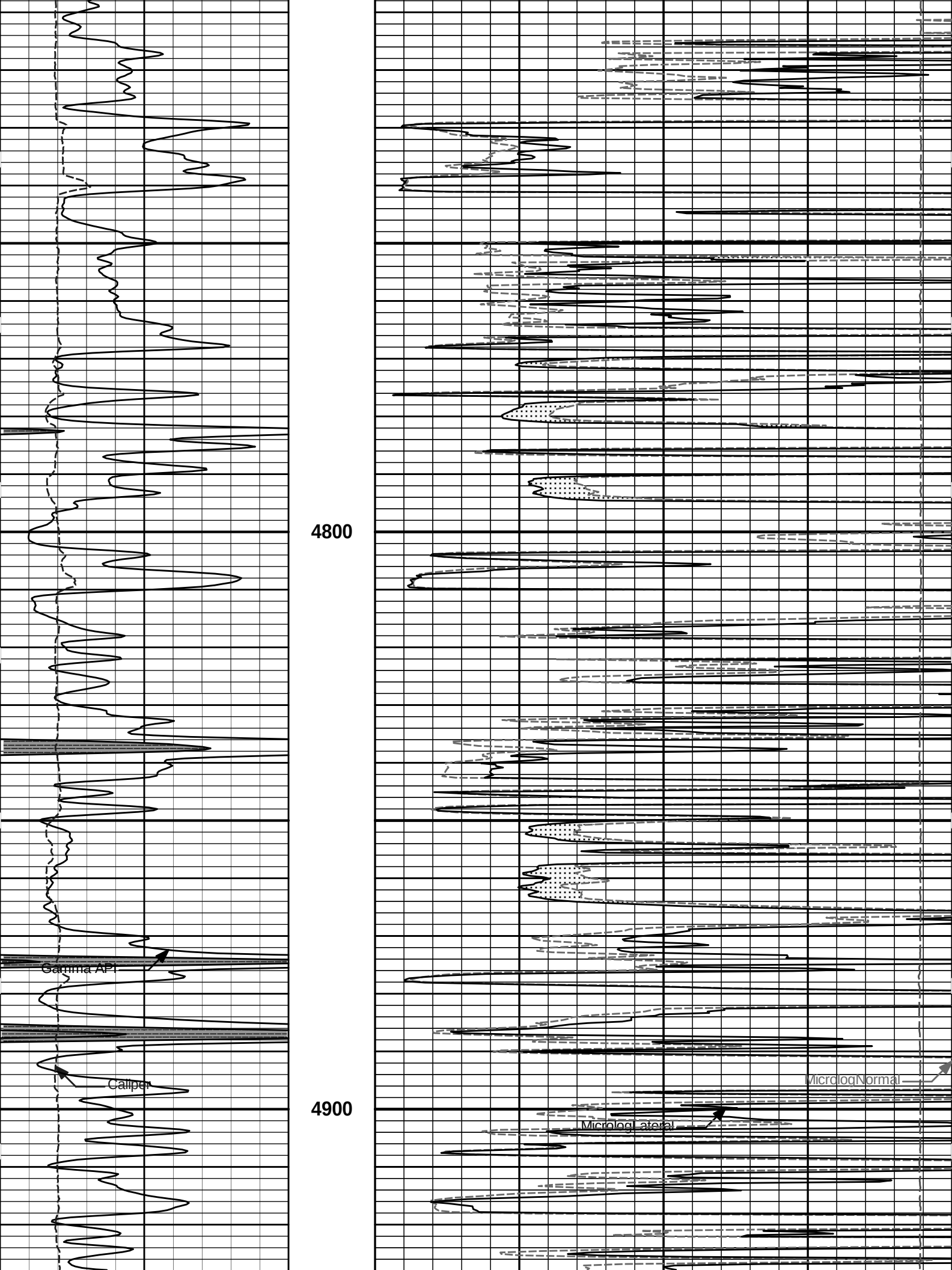
Caliper
MicrologNormal
MicrologLateral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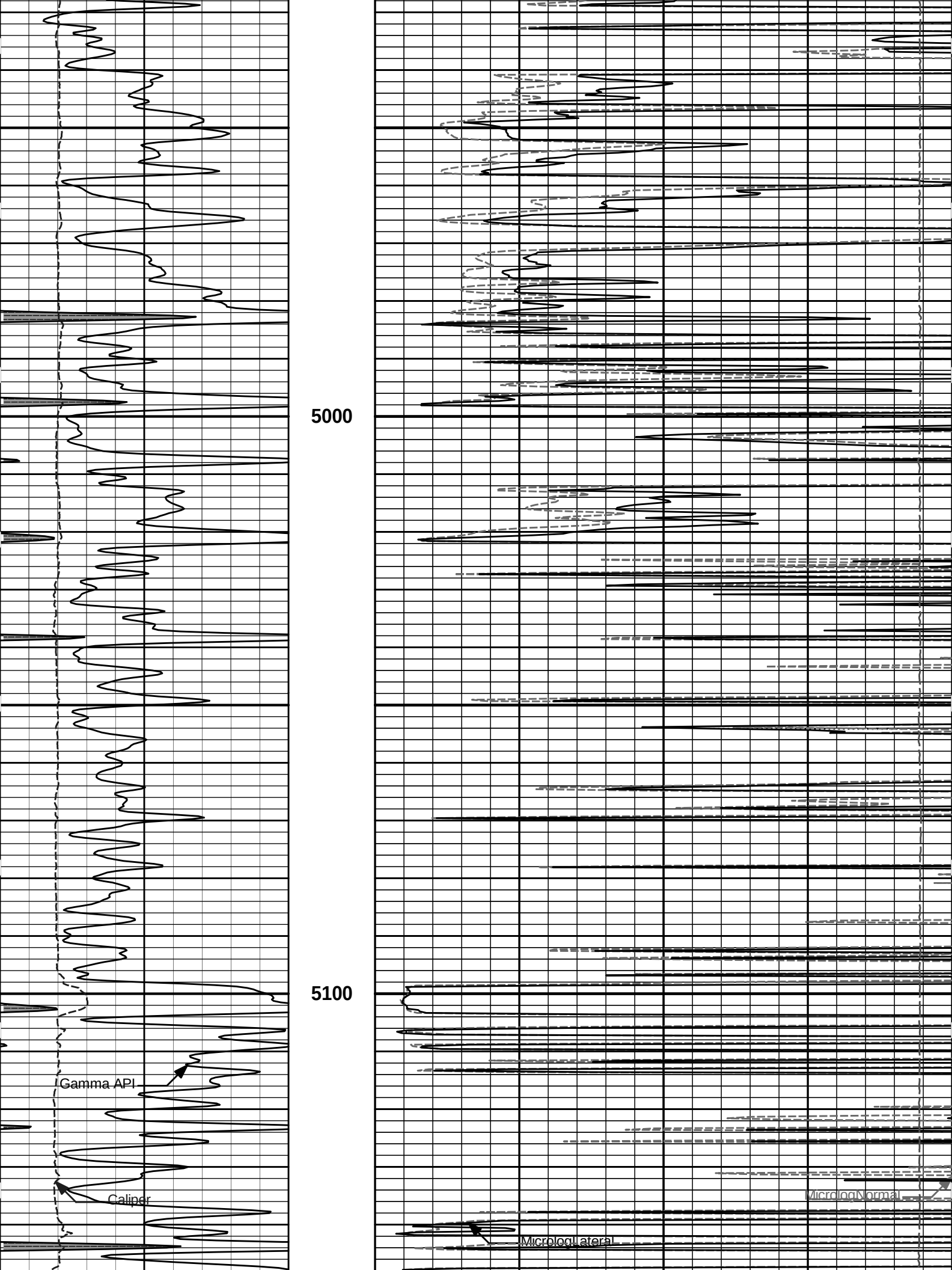
Caliper
MicrologNormal
MicrologLateral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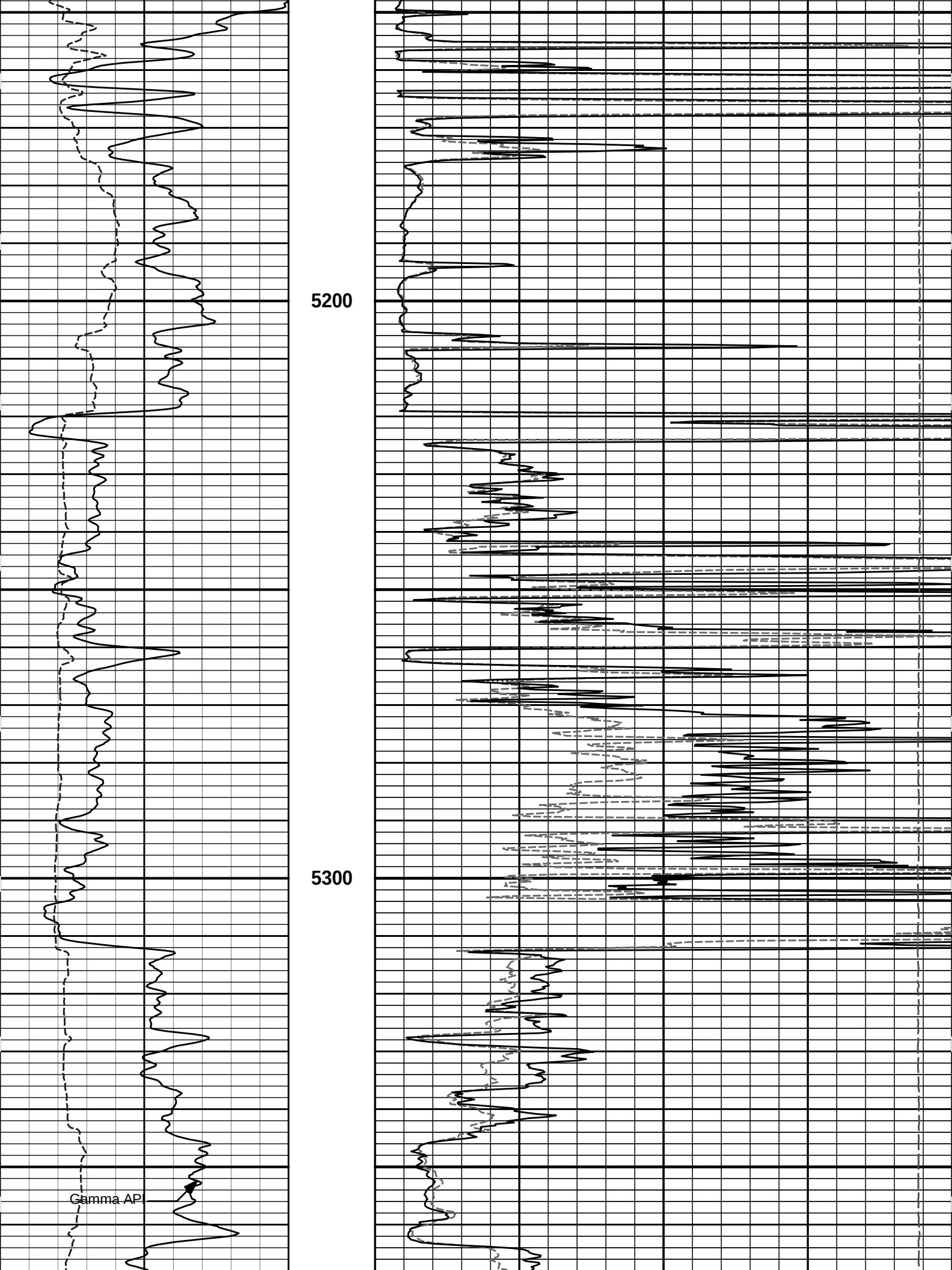
5100
Gamma API
Caliper
MicrologNormal
Micrologl ateral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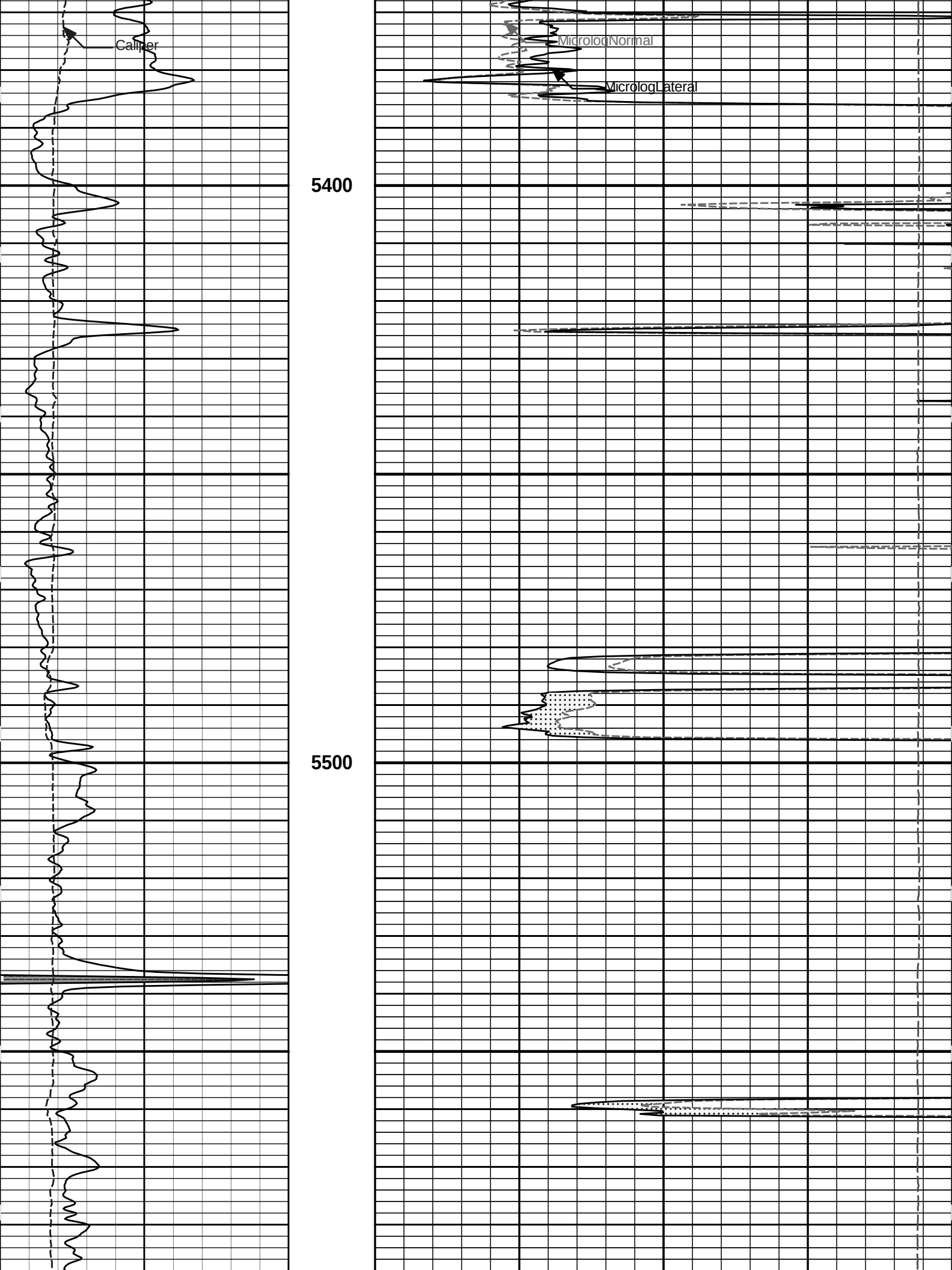
Gamma API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MicrologLateral
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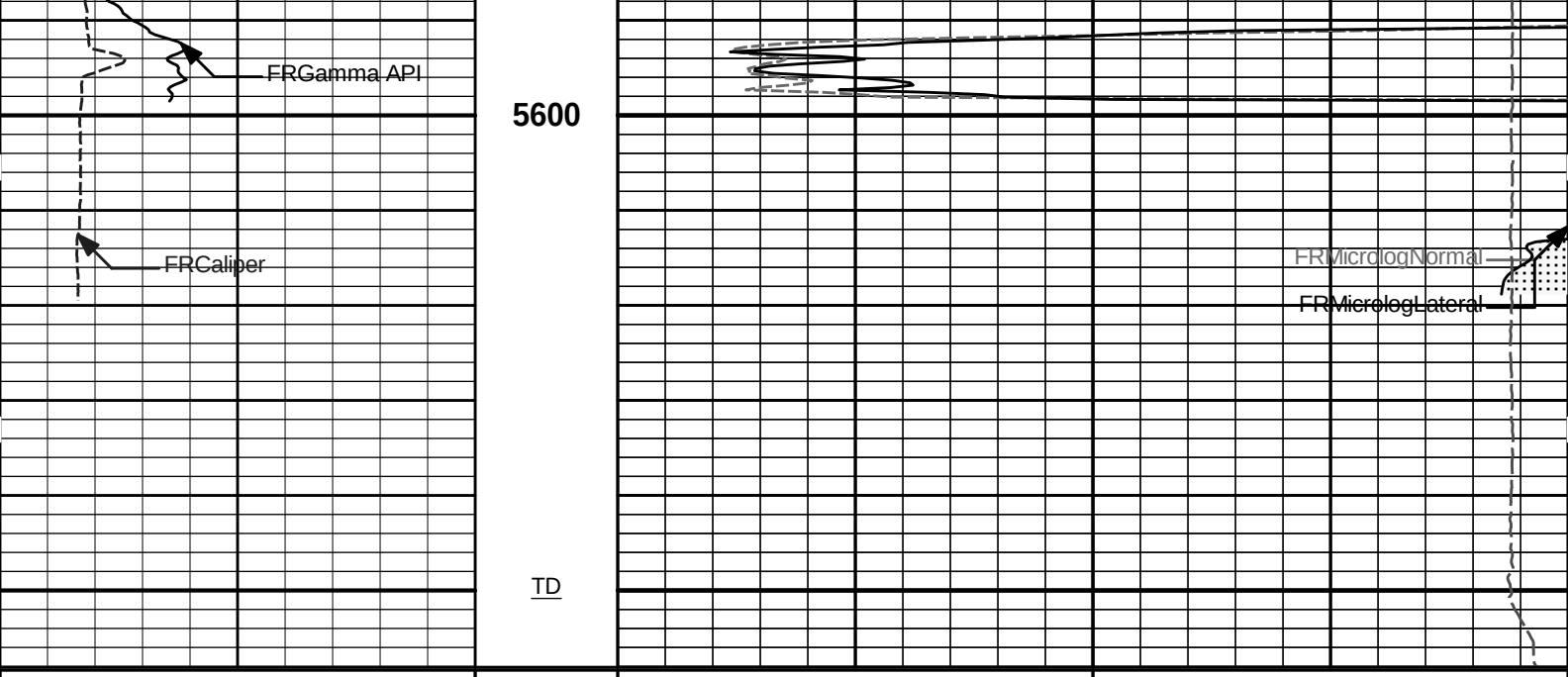

6 Caliper 16
inches

0 Gamma API 150
api

SHALE

MD
1 : 240
ft

Tension Pull
10 0

Tension Pull

15K Tension 0
pounds

0 MicrologLateral 20
ohm-metre

0 MicrologNormal 20
ohm-metre

PERMEABLE

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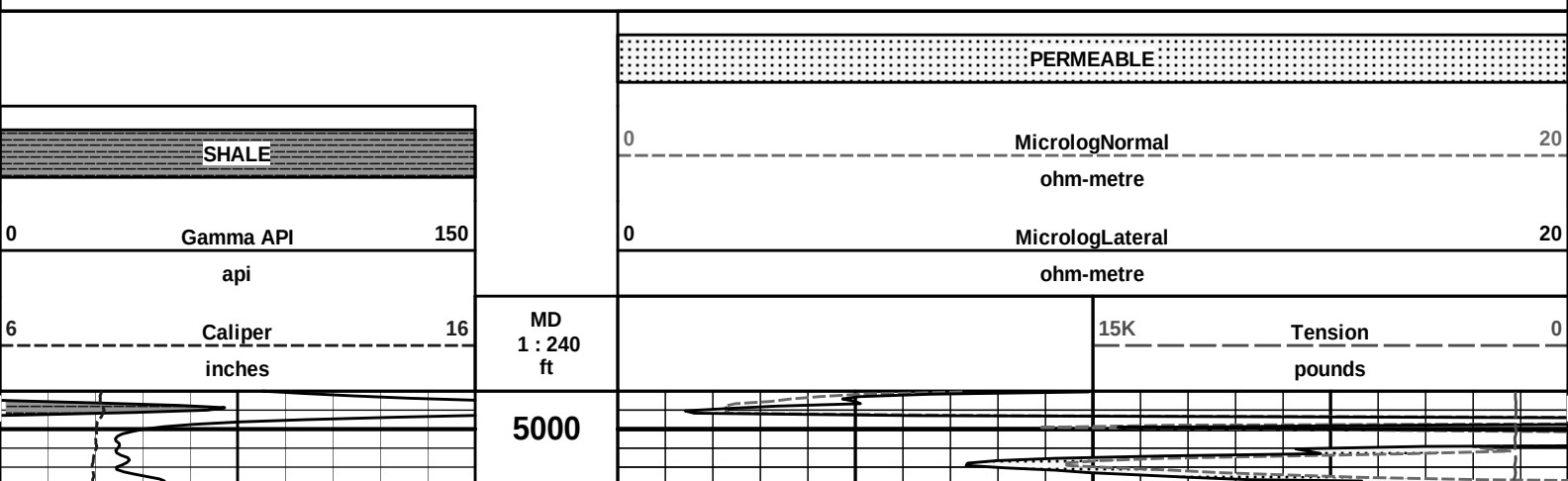
Plot Time: 21-Jul-12 17:11:43
Plot Range: 3996 ft to 5658.08 ft
Data: ANSHUTZ_A_1\Well Based\R1_DETAIL\
Plot File: \\-LOCAL-\ANSHUTZ_A_1\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\MICRO\Microlog_IQ_5_main_lib

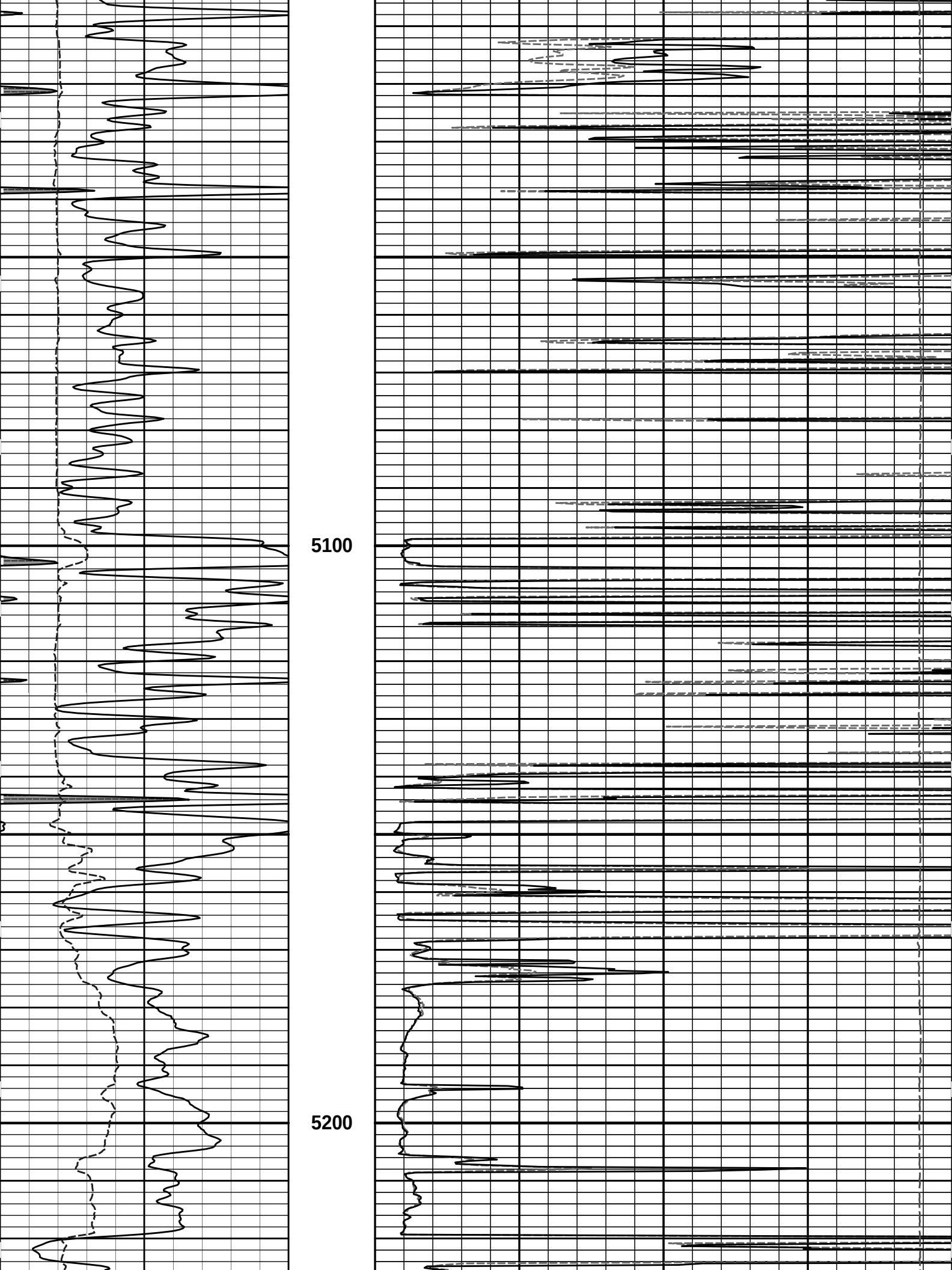
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 21-Jul-12 17:11:43
Plot Range: 4996 ft to 5655.33 ft
Data: ANSHUTZ_A_1\Well Based\R1_REPEAT\
Plot File: \\-LOCAL-\ANSHUTZ_A_1\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\MICRO\Microlog_IQ_5_rep_lib

REPEAT SECTION

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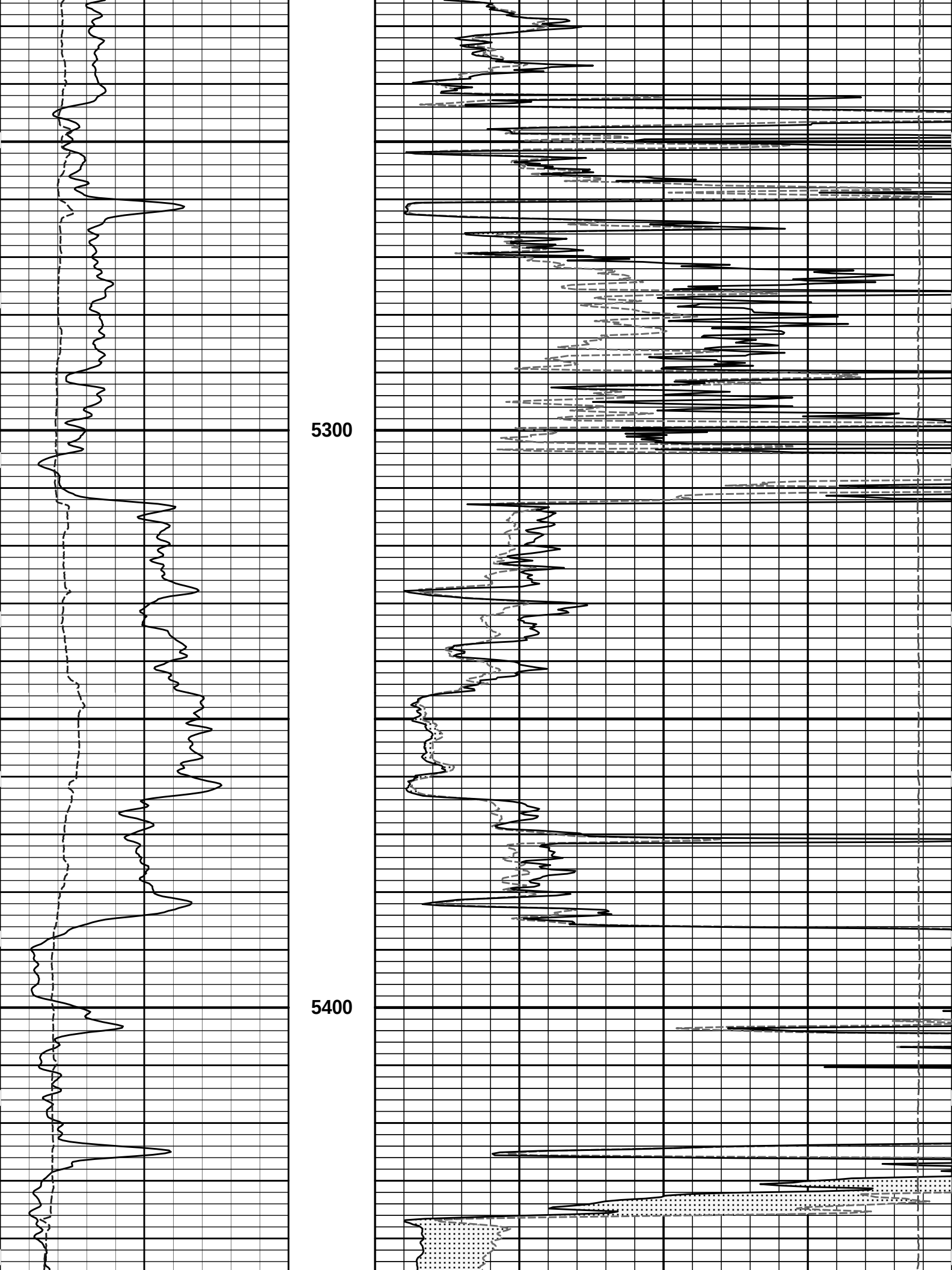
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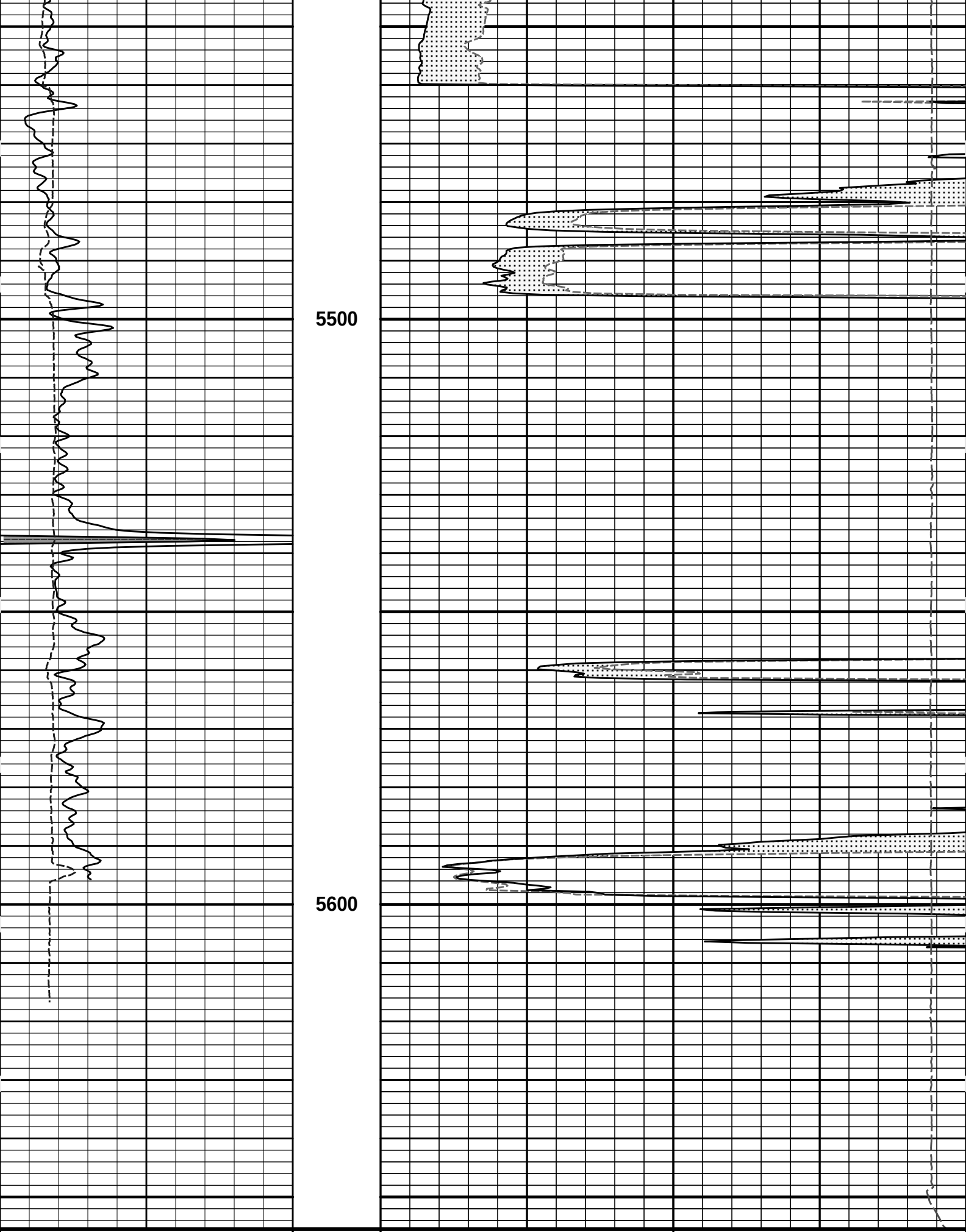

6 Caliper 16	MD 1 : 240 ft	15K Tension 0
inches		pounds

HALLIBURTON

Plot Time: 21-Jul-12 17:11:46
Plot Range: 4996 ft to 5655.33 ft
Data: ANSHUTZ_A_1\Well Based\R1_REPEAT\
Plot File: \\-LOCAL-\ANSHUTZ_A_1\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\MICRO\Microlog_IQ_5_rep_lib

REPEAT SECTION

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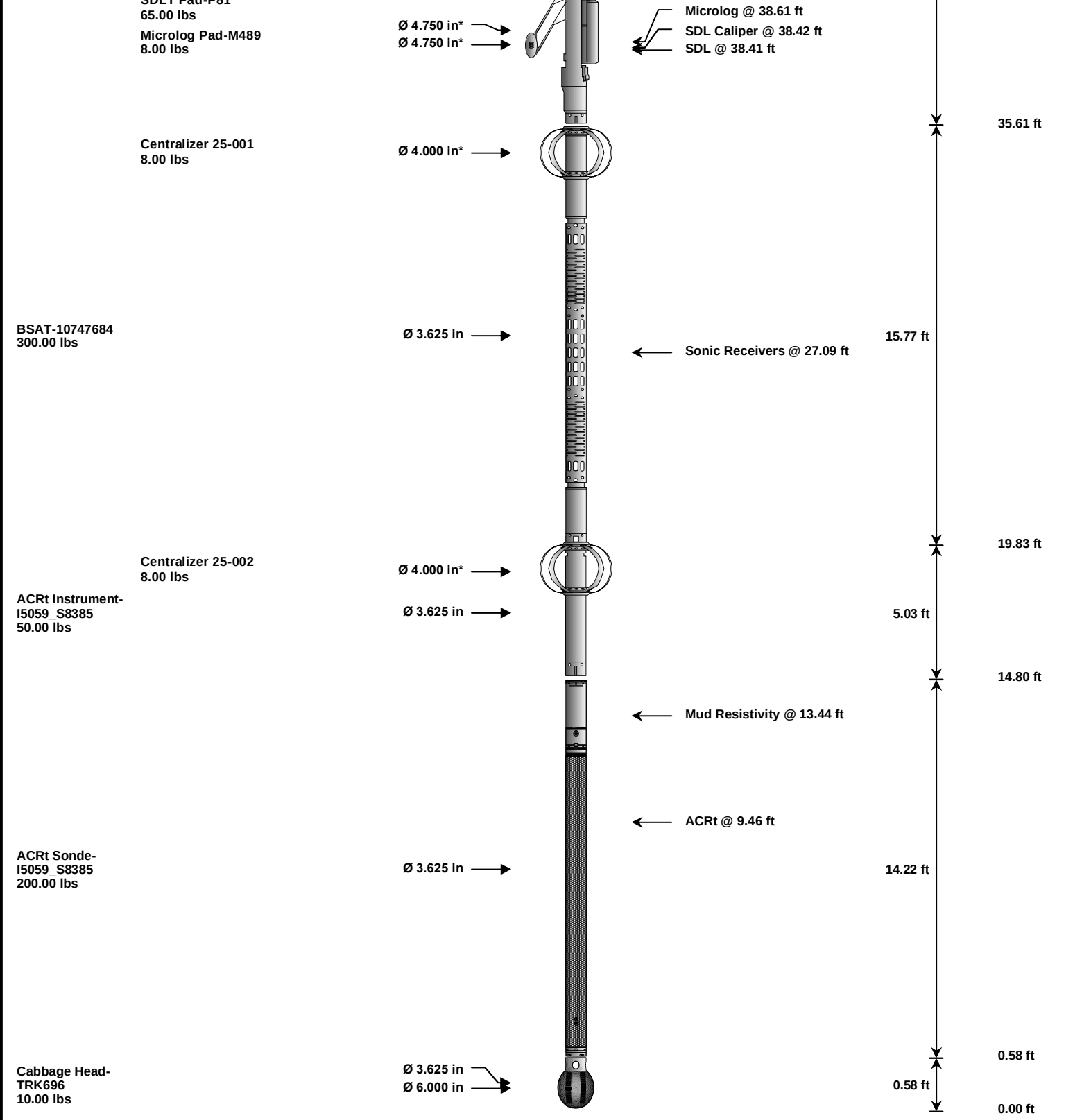
TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
						72.34 ft
CH_HOS-CH_696 37.50 lbs		Ø 2.750 in		Temperature @ 71.31 ft	3.03 ft	
						69.31 ft
XOHD-TRK696 20.00 lbs		Ø 2.750 in Ø 3.625 in			0.95 ft	
						68.36 ft
SP Sub-11441455 60.00 lbs		Ø 3.625 in		SP @ 66.59 ft	3.74 ft	
						64.63 ft
GTET-11048627 165.00 lbs		Ø 3.625 in		GammaRay @ 58.56 ft	8.52 ft	
						56.11 ft
DSNT-11019643 174.00 lbs	DSN Decentralizer-11005605 6.60 lbs	Ø 5.000 in* Ø 3.625 in		DSN Far @ 49.17 ft DSN Near @ 48.42 ft	9.69 ft	
						46.42 ft
SDLT-I43_M489 360.00 lbs	SDLT Pad-P81	Ø 4.500 in			10.81 ft	



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)		Accumulated Length (ft)	Max.Log. Speed (fpm)
CH HOS	Hostile Cable Head with Load Cell	CH 696	37.50	3.03		69.31	300.00
XOHD	Hostile to Dits Cross Over	TRK696	20.00	0.95		68.36	300.00
SP	SP Sub	11441455	60.00	3.74		64.63	300.00
GTET	Gamma Telemetry Tool	11048627	165.00	8.52		56.11	60.00
DSNT	Dual Spaced Neutron	11019643	174.00	9.69		46.42	60.00
DCNT	DSN Decentralizer	11005605	6.60	5.13	*	49.75	300.00
SDLT	Spectral Density Tool	I43_M489	360.00	10.81		35.61	60.00
MICP	Microlog Pad	M489	8.00	1.00	*	38.11	60.00
SDLP	Density Insite Pad	P81	65.00	2.55	*	37.82	60.00
BSAT	Borehole Sonic Array Tool	10747684	300.00	15.77		19.83	60.00
OBCEN	Centralizer - 25 in. Overbody	001	8.00	2.08	*	33.53	300.00
ACRt	Array Compensated True Resistivity Instrument Section	I5059_S8385	50.00	5.03		14.80	300.00
OBCEN	Centralizer - 25 in. Overbody	002	8.00	2.08	*	17.83	300.00

ACRt	Array Compensated True Resistivity Sonde Section	I5059_S8385	200.00	14.22	0.58	300.00
CBHD	Cabbage Head	TRK696	10.00	0.58	0.00	300.00
Total			**1,472.10**	**72.34**		

* Not included in Total Length and Length Accumulation.

Data: ANSHUTZ_A_1\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\IDLE **Date: 21-Jul-12 12:59:52**

HALLIBURTON

CALIBRATION REPORT

MICRO LOG SHOP CALIBRATION

Tool Name: Microlog Pad - M489
Reference Calibration Date: 31-May-12 11:25:11
Engineer: C. HAVERKAMP
Calibration Date: 14-Jul-12 14:00:36
Software Version: WL INSITE R3.6.0 (Build 3)
Calibration Version: 1
Host Tool Name: DSNT - 11019643

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		
	Measured	Calibrated	Measured	Calibrated	Units
Tool Zero	-0.05	-0.08	-0.01	-0.06	ohmm
Calibration Point #1	0.02	0.00	0.05	0.00	ohmm
Calibration Point #2	20.07	20.00	20.83	20.00	ohmm
Internal Reference	20.01	19.94	20.08	19.28	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	1.59	-0.22	V
Calibration Point #1	22.13	21.73	V
Calibration Point #2	5382.33	7308.08	V
Internal Reference	5365.49	7045.82	V

MICRO LOG FIELD CHECK

Tool Name: Microlog Pad - M489
Reference Calibration Date: 14-Jul-12 14:00:36
Engineer: C. HAVERKAMP
Calibration Date: 20-Jul-12 19:26:06
Software Version: WL INSITE R3.6.0 (Build 3)
Calibration Version: 1

Measurement	Micro Log Normal		Micro Log Lateral		
	Shop	Field	Shop	Field	Units
Tool Zero	-0.08	-0.08	-0.06	-0.05	ohmm
Internal Reference	19.94	19.93	19.28	19.27	ohmm

Summary

Signal	Shop	Field	Difference	Tolerence
Microlog Normal	19.94	19.93	0.01	+/- 0.80
Microlog Lateral	19.28	19.27	0.01	+/- 0.80

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
Microlog Pad-M489						
MicroLog Normal	19.94	19.93	----------	0.01	+/-0.80	ohmm
MicroLog Lateral	19.28	19.27	----------	0.01	+/-0.80	ohmm

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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	9.500	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	5500.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	0.750	ohmm
	SHARED	TRM	Temperature of Mud	90.0	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	5663.00	ft
	SHARED	BHT	Bottom Hole Temperature	140.0	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?	No	
	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	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	DMA	Formation Density Matrix	2.710	g/cc

	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 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

HALLIBURTON

INPUTS, DELAYS AND FILTERS TABLE

Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
	Depth Panel			
TENS	Tension	0.00	NO	
	CH_HOS			
DHTN	DownholeTension	0.00	BLK	0.000
	SP Sub			
PLTC	Plot Control Mask	66.58	NO	
SP	Spontaneous Potential	66.58	BLK	1.250
SPR	Raw Spontaneous Potential	66.58	NO	
SPO	Spontaneous Potential Offset	66.58	NO	
	GTET			
TPUL	Tension Pull	58.56	NO	
GR	Natural Gamma Ray API	58.56	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	58.56	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	58.56	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
	DSNT			
TPUL	Tension Pull	48.32	NO	
RNDS	Near Detector Telemetry Counts	48.42	BLK	1.417
RFDS	Far Detector Telemetry Counts	49.17	TRI	0.583
DNTT	DSN Tool Temperature	48.42	NO	
DSNS	DSN Tool Status	48.32	NO	
FRND	Near Detector Telemetry Counts FVR	48.42	BLK	0.000

ERFD	Far Detector Telemetry Counts EVR	49.17	BLK	0.000
ENTM	DSN Tool Temperature EVR	48.42	NO	
	SDLT			
TPUL	Tension Pull	38.42	NO	
PCAL	Pad Caliper	38.42	TRI	0.250
ACAL	Arm Caliper	38.42	TRI	0.250
	BSAT			
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 Reference 12 KHz Real Signal	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	38.41	NO	
NAB	Near Above	38.24	BLK	0.920
NHI	Near Cesium High	38.24	BLK	0.920
NLO	Near Cesium Low	38.24	BLK	0.920
NVA	Near Valley	38.24	BLK	0.920
NBA	Near Barite	38.24	BLK	0.920
NDE	Near Density	38.24	BLK	0.920
NPK	Near Peak	38.24	BLK	0.920
NLI	Near Lithology	38.24	BLK	0.920
NBAU	Near Barite Unfiltered	38.24	BLK	0.250
NLIU	Near Lithology Unfiltered	38.24	BLK	0.250
FAB	Far Above	38.58	BLK	0.250
FHI	Far Cesium High	38.58	BLK	0.250
FLO	Far Cesium Low	38.58	BLK	0.250
FVA	Far Valley	38.58	BLK	0.250
FBA	Far Barite	38.58	BLK	0.250
FDE	Far Density	38.58	BLK	0.250
FPK	Far Peak	38.58	BLK	0.250
FLI	Far Lithology	38.58	BLK	0.250
PTMP	Pad Temperature	38.42	BLK	0.920
NHV	Near Detector High Voltage	37.81	NO	
FHV	Far Detector High Voltage	37.81	NO	
ITMP	Instrument Temperature	37.81	NO	
DDHV	Detector High Voltage	37.81	NO	

Microlog Pad

TPUL	Tension Pull	38.60	NO	
MINV	Microlog Lateral	38.60	BLK	0.750
MNOR	Microlog Normal	38.60	BLK	0.750

Data: ANSHUTZ_A_1\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\IDLE **Date: 21-Jul-12 13:36:12**

COMPANY	**OXY USA INC**		
WELL	**ANSHUTZ A-1**		
FIELD	**SANTA FE NORTH**		
COUNTY	**HASKELL**	STATE	**KANSAS**