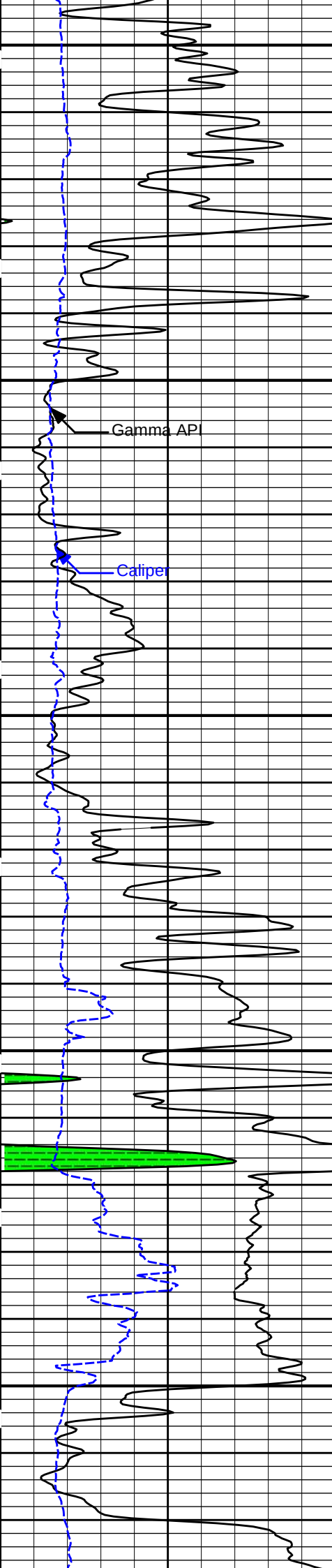


MICROLOG

----- Fold here -----

Service Ticket No.: 904928072						API No.: 15-175-22262-00-00						PGM Version: WL INSITE R5.6.0 (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		N/A							
Rmc @ Meas. Temp.				@				@						I-12109517													
Source Rmf		Rmc												S-12109515													
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.		11013114				Serial No.		10747686				Serial No.		12153220				Serial No.		10993115							
Model No.		GTET				Model No.		BSAT				Model No.		SDLT				Model No.		DSNT							
Diameter		3.625"				No. of Cent.		2				Diameter		5.5"				Diameter		3.625"							
Detector Model No.		T-102				Spacing		EVEN				Log Type		GAM-GAM				Log Type		NEU-NEU							
Type		SCINT										Source Type		CS137				Source Type		AM241BE							
Length		8"				LSA [Y/N]						Serial No.		5471GW				Serial No.		DSN-424							
Distance to Source		N/A				FWDA [Y/N]						Strength		1.78 Ci				Strength		15.0 Ci							
LOGGING DATA																											
GENERAL						GAMMA				ACOUSTIC				DENSITY						NEUTRON							
Run		Depth		Speed		Scale				Scale				Matrix				Scale				Matrix					
No.		From	To	ft/min		L		R		L		R		Matrix		L		R		Matrix		L		R		Matrix	
ONE	TD	CSC	BEC	0		150		20		10		47.6 uSec/ft		20		10		2.71 gr/cc		20		10		LIME			

ONE	TD	CSG	REC	0	150	30	-10	47.0 uSec/ft	30	-10	2.71 g/cc	30	-10	TIME		
DIRECTIONAL INFORMATION																
Maximum Deviation								@	KOP							@
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING																

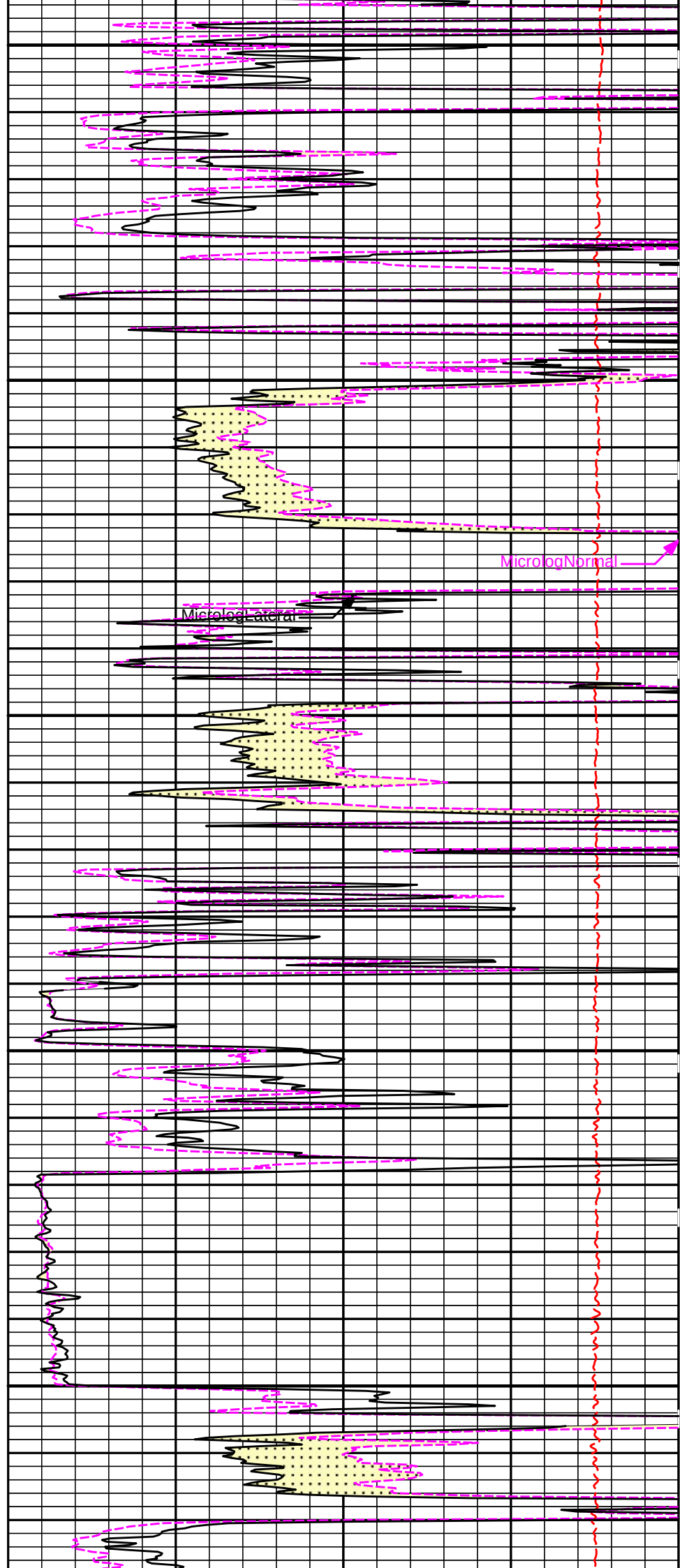


4100

Gamma API

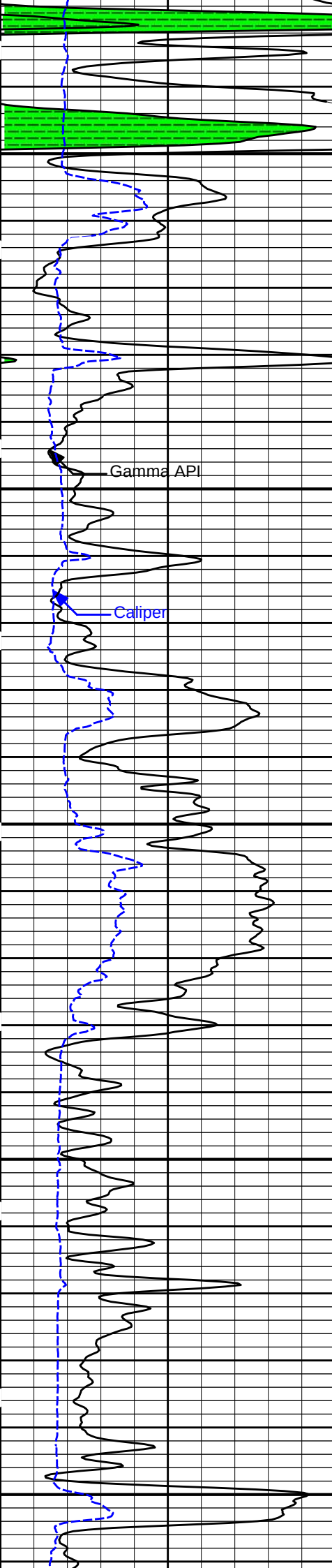
Caliper

4200



MicrologNormal

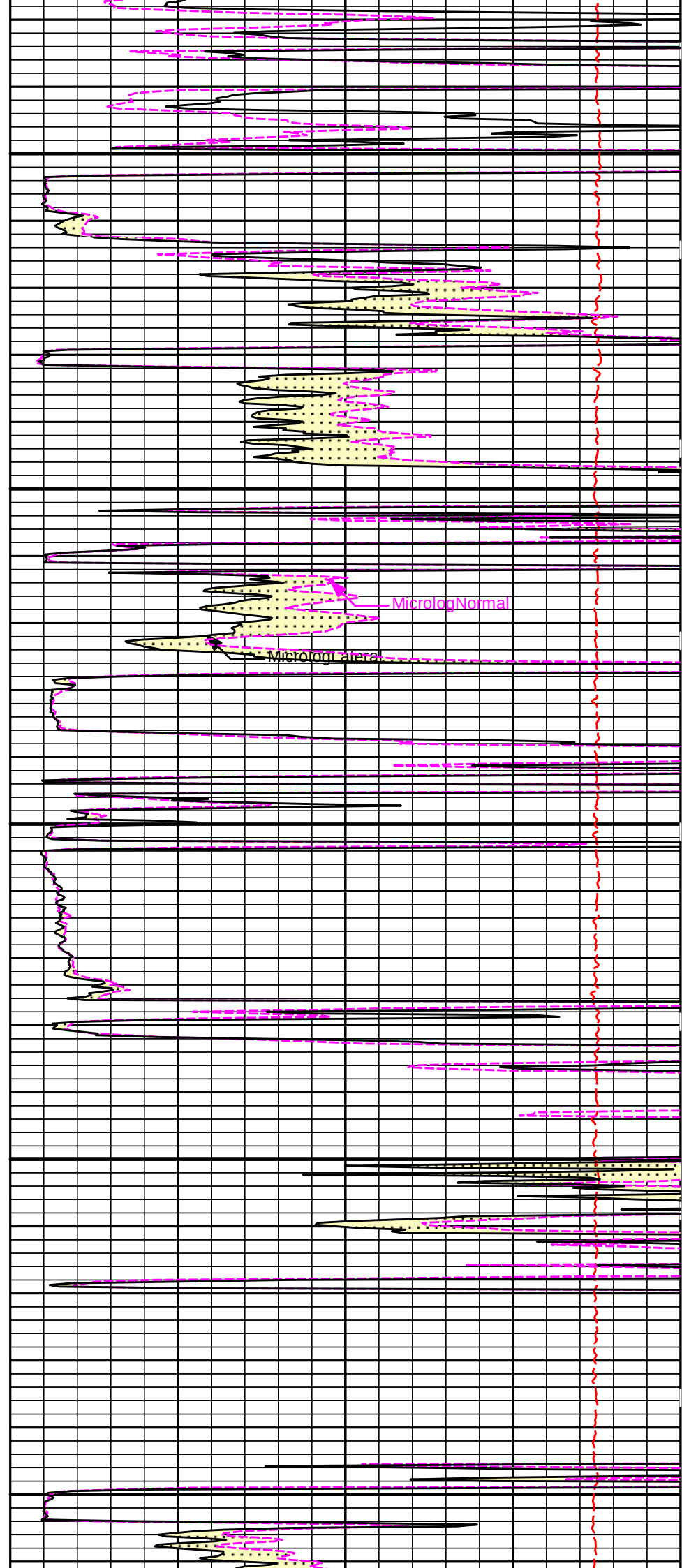
MicrologLateral

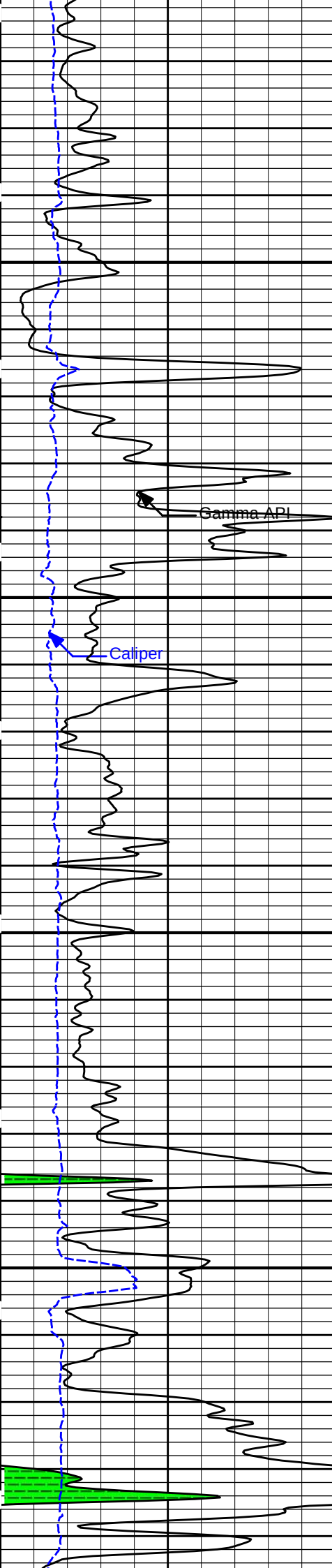


4300

4400

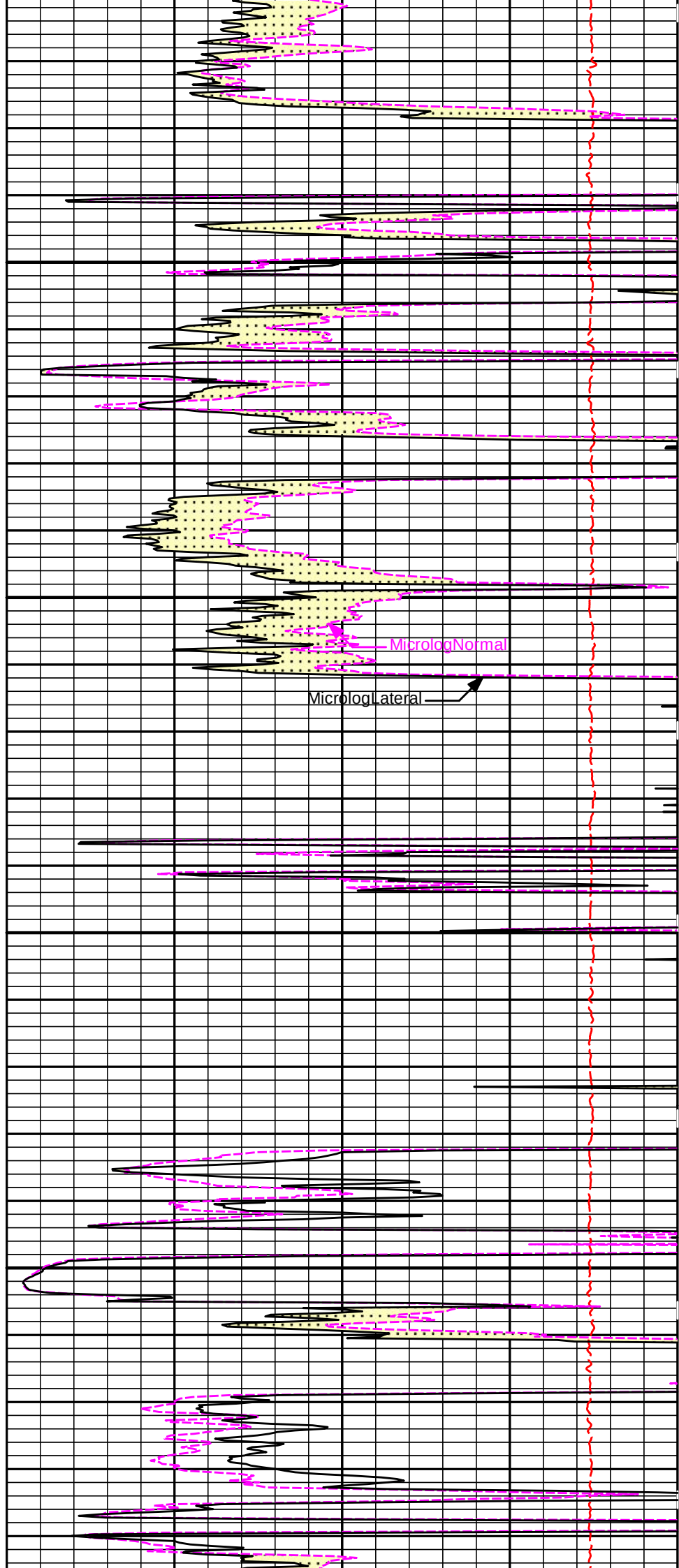
4500

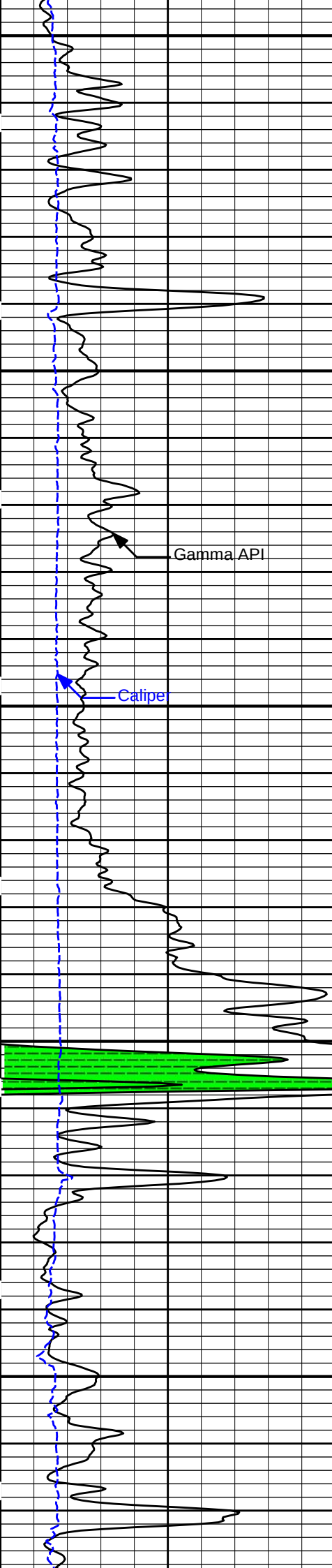




4600

4700



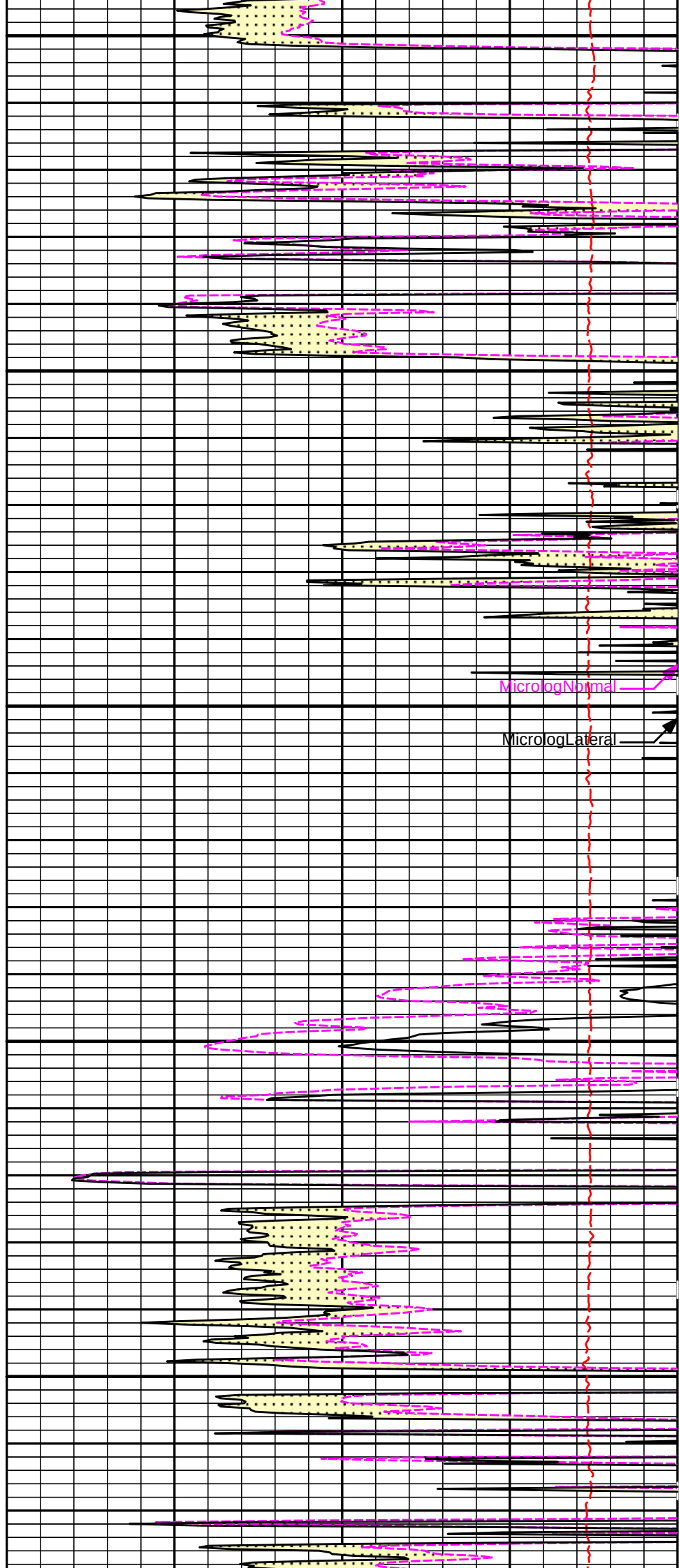


4800

Gamma API

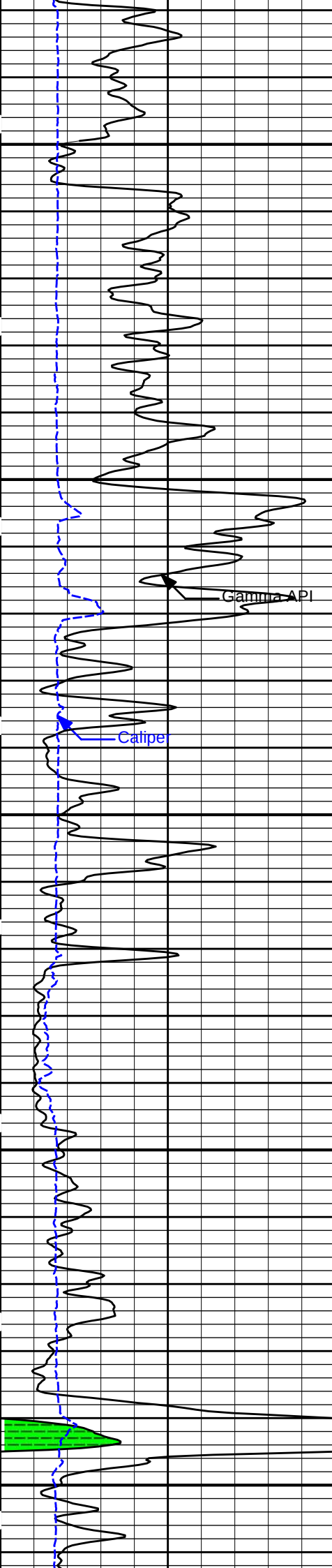
Caliper

4900



MicrologNormal

MicrologLateral



5000

5100

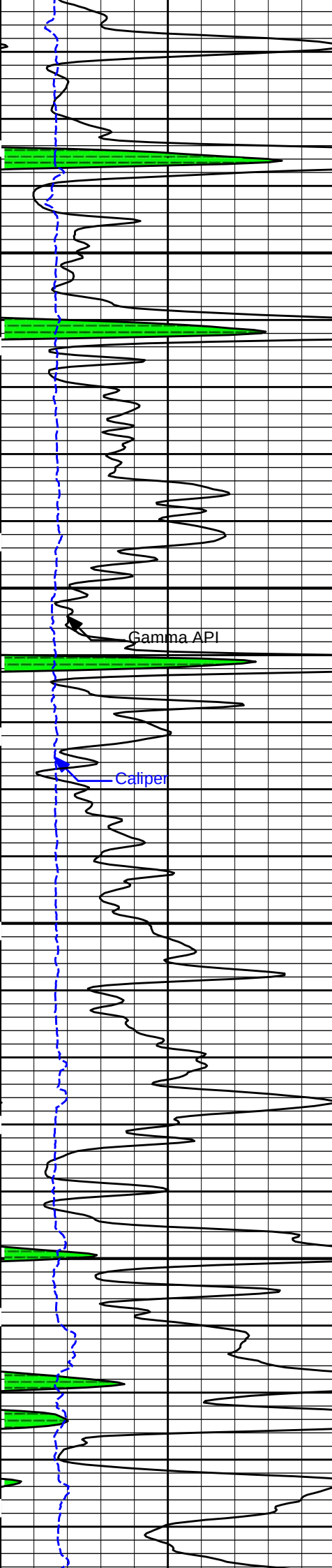
5200

Gamma API

Caliper

MicrologNormal

MicrologLateral

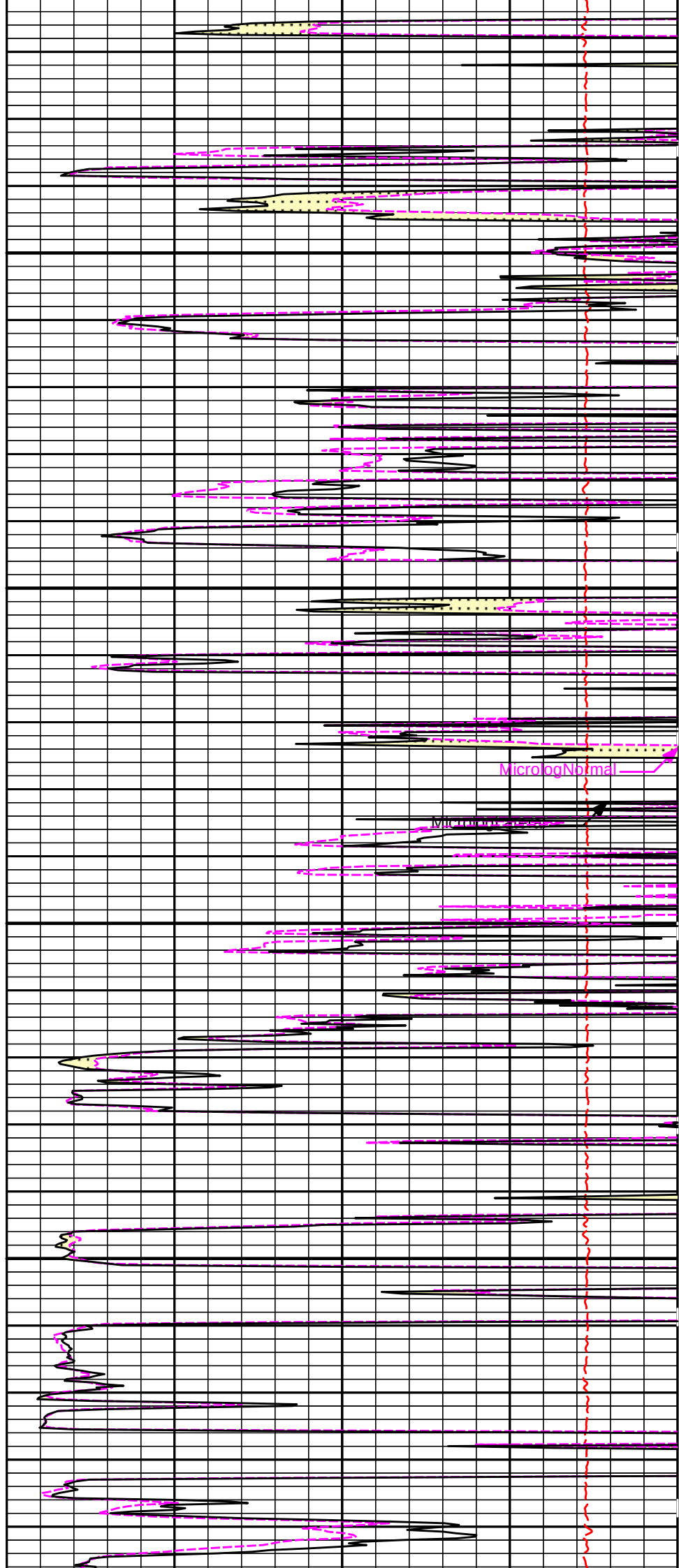


5300

Gamma API

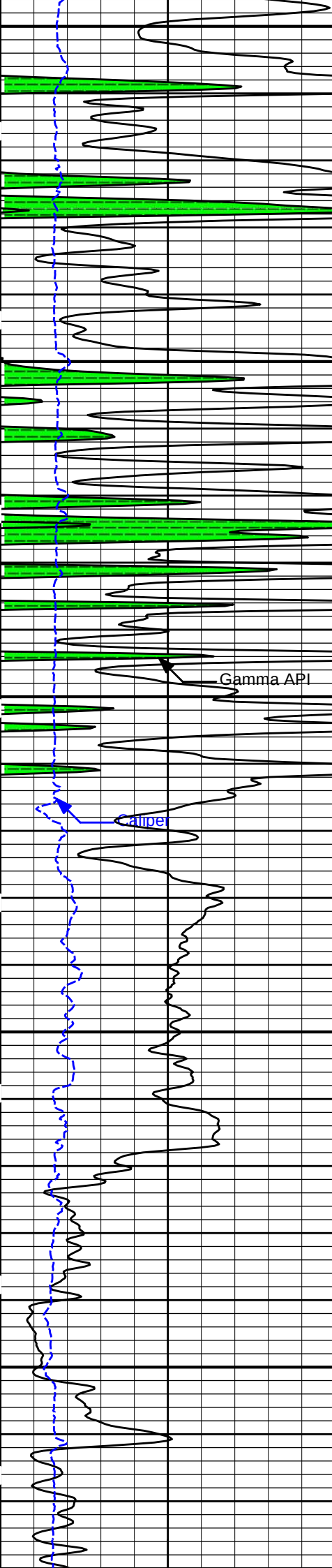
Caliper

5400



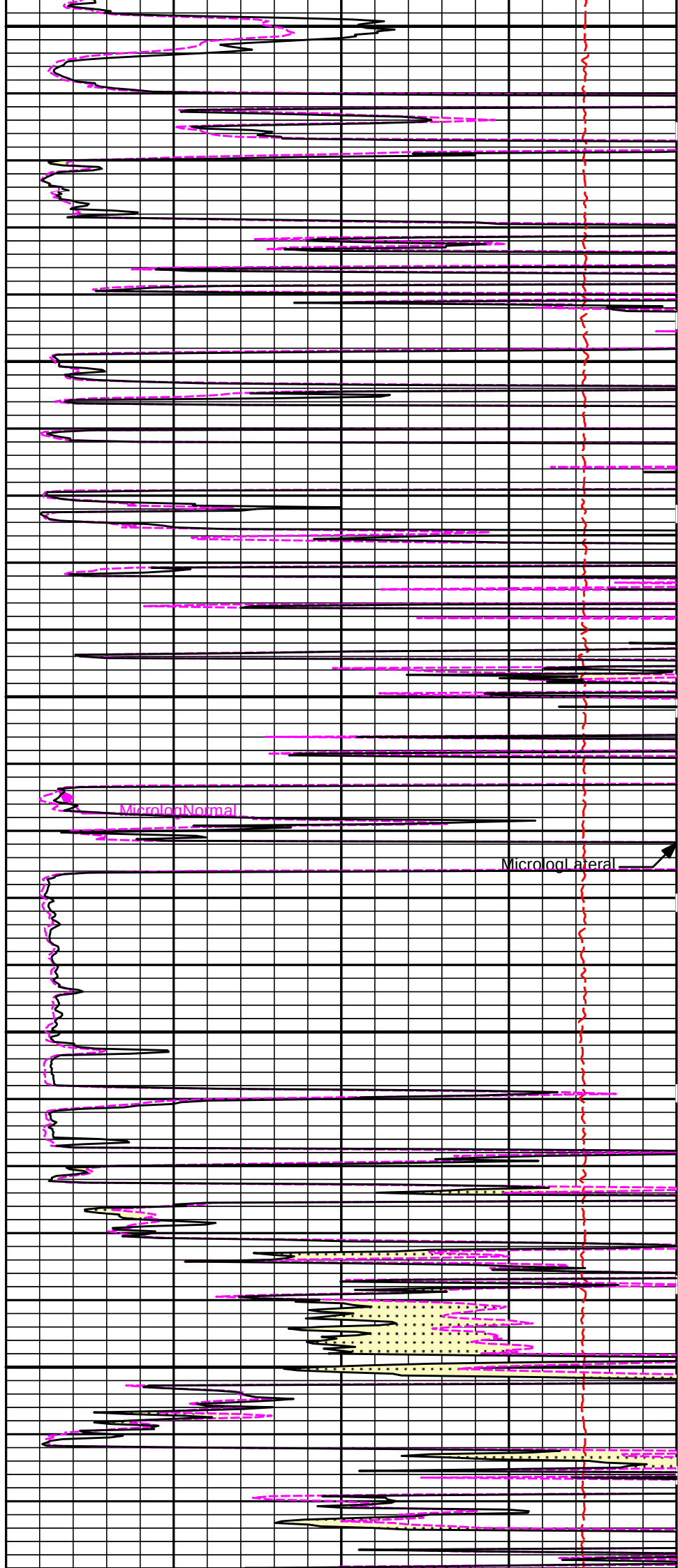
MicrologNormal

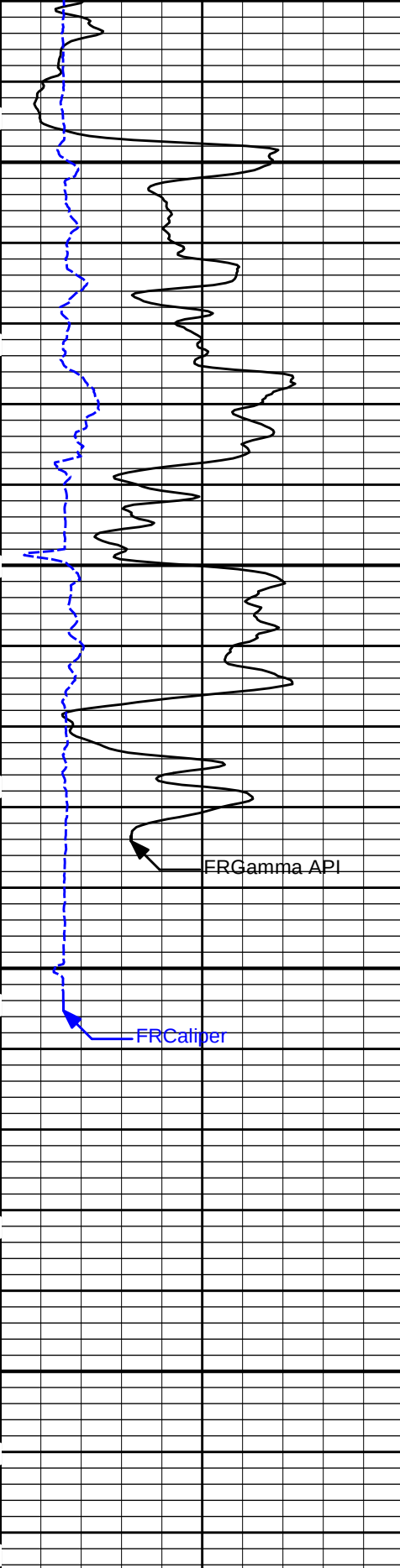
MicrologNormal2



5500

5600

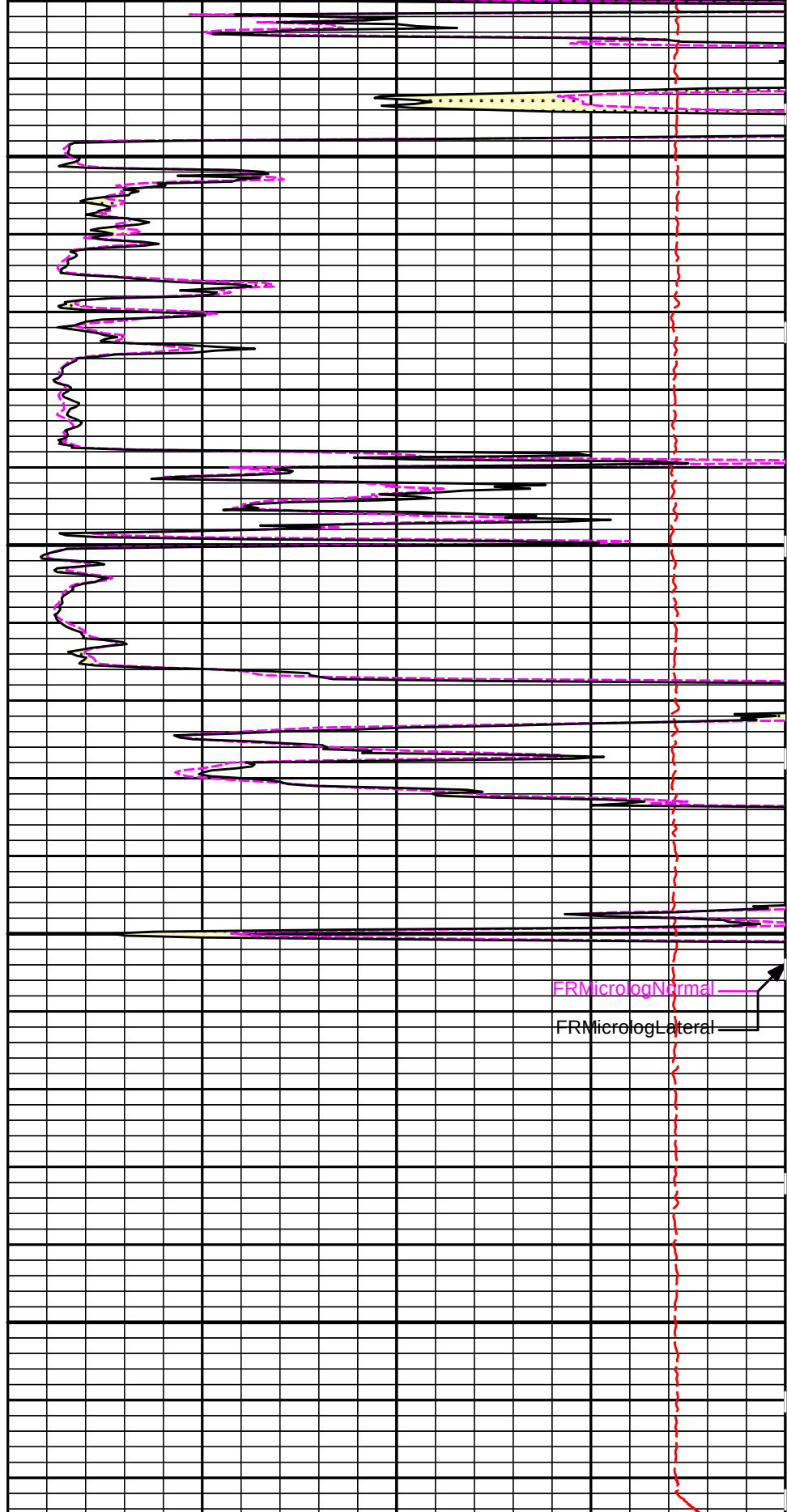




5700

5800

TD

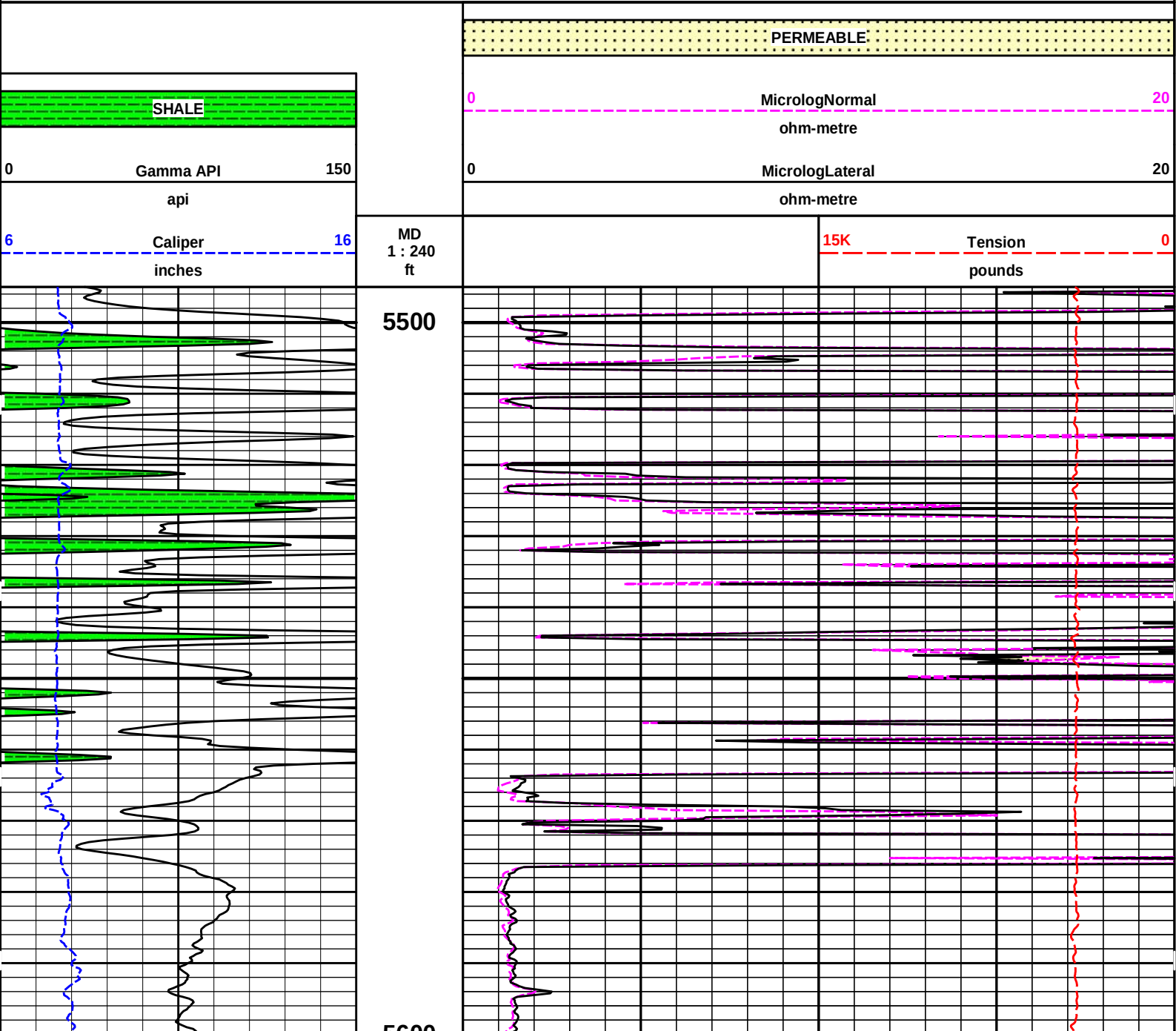


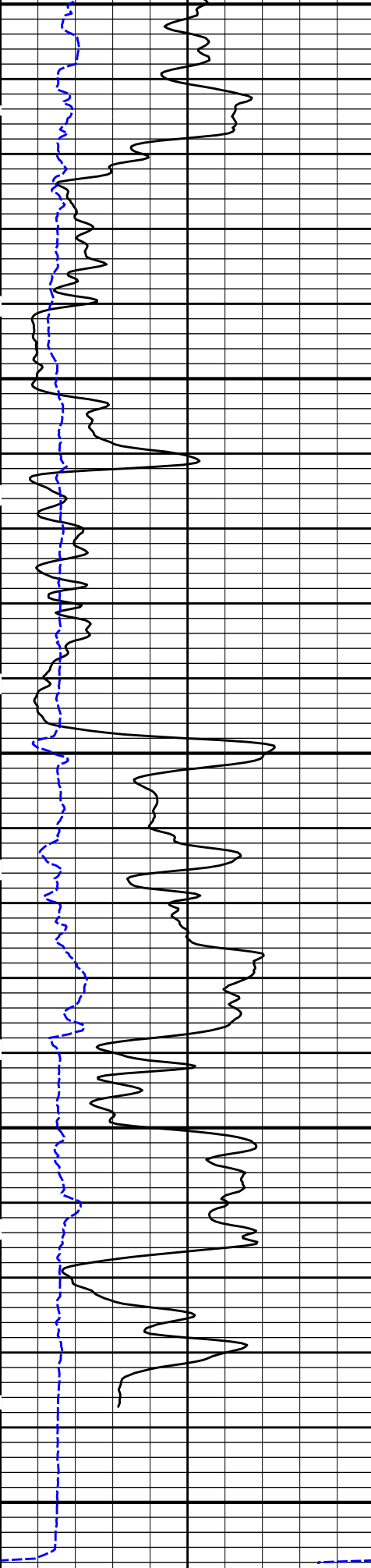
6	Caliper	16	MD 1 : 240 ft		15K	Tension	0	
	inches						pounds	
0	Gamma API	150		0	MicrologLateral			20
	api				ohm-metre			
	SHALE			0	MicrologNormal			20
					ohm-metre			
					PERMEABLE			

5 INCH MAIN LOG

MEASURED DEPTH
MAIN LOG 5" PER 100'

REPEAT SECTION

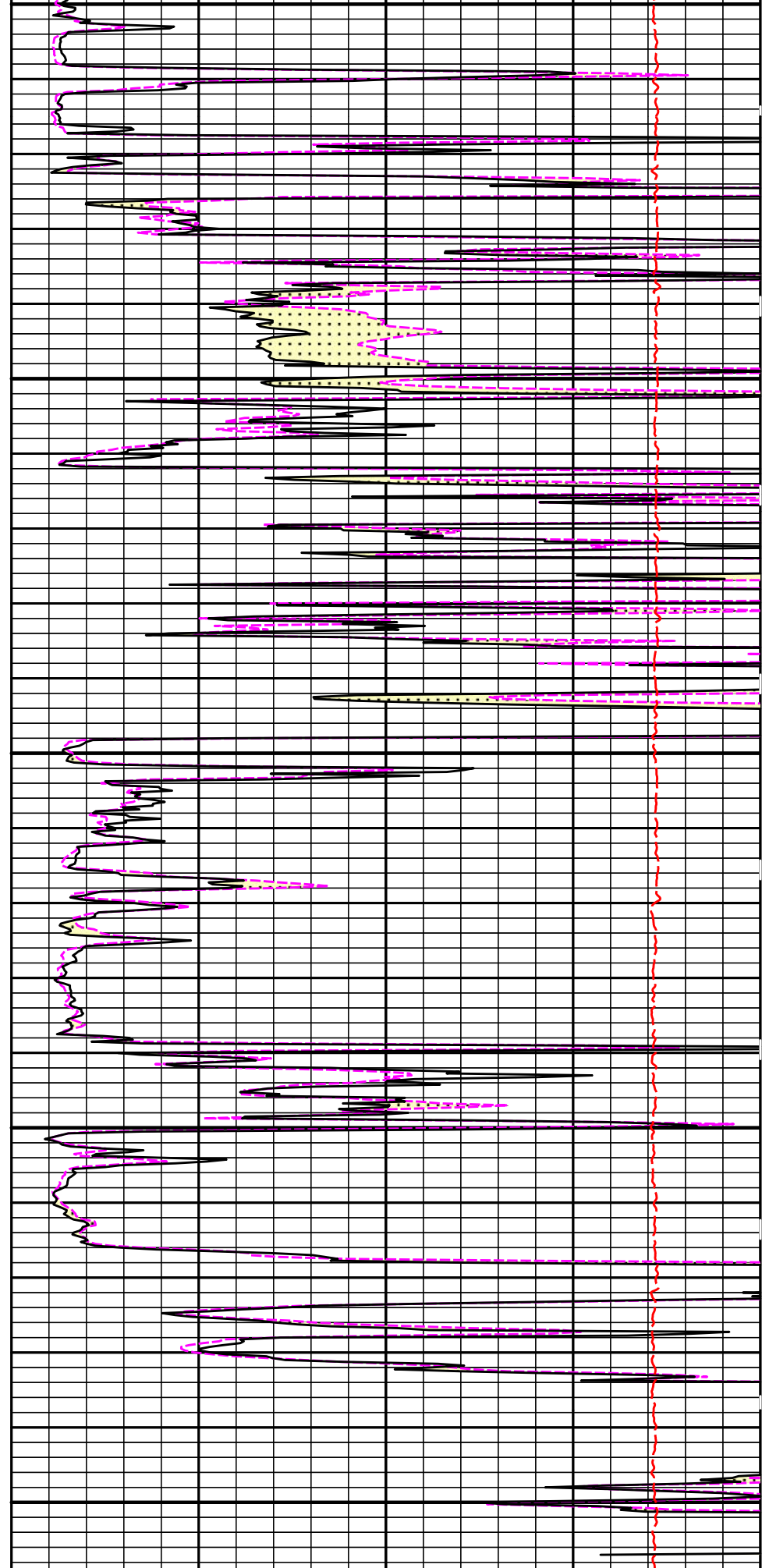


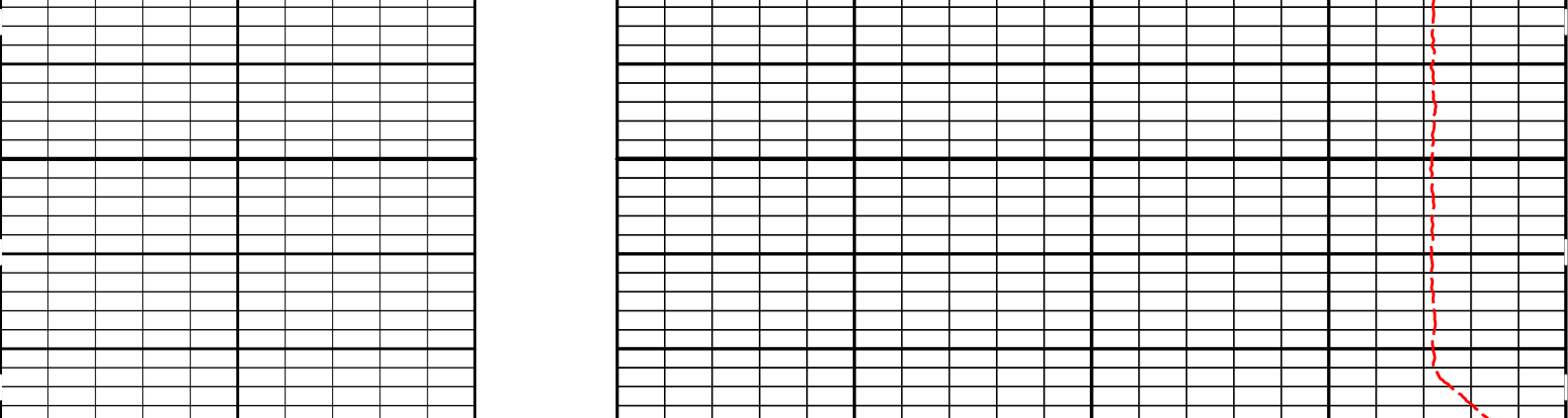


5600

5700

5800





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

HALLIBURTON

Plot Time: 12-Jul-18 17:15:09
Plot Range: 5495 ft to 5877.58 ft
Data: THORP_1-26R\Well Based\REPEAT\
Plot File: \\LOCAL\THORP_1-26R\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
CH_HOS-11459024 37.50 lbs		Ø 2.750 in →		← Temperature @ 102.20 ft	3.03 ft	103.23 ft
XOHD-11572809 20.00 lbs		Ø 2.750 in → Ø 3.625 in →			0.95 ft	100.20 ft
SP Sub-11153357 60.00 lbs		Ø 3.625 in →		← SP @ 97.47 ft	3.74 ft	99.25 ft
				← Z-Accelerometer @ 95.06 ft	95.51 ft	
GTET-11013114 165.00 lbs		Ø 3.625 in →		← GammaRay @ 89.45 ft	8.52 ft	
					86.99 ft	
DSN Decentralizer-10993115 6.60 lbs		Ø 5.000 in* → Ø 3.625 in →			9.69 ft	
DSNT2-10993115 174.00 lbs						

SDLT2-12153520
360.00 lbs

SDLT Pad2-10809130
65.00 lbs
Microlog Pad2-12153520
8.00 lbs

IQ Flex-11005585
140.00 lbs

BSAT-10747686
300.00 lbs

XRMI-I Instrument-
10746655
290.00 lbs

XRMI-I Mandrel-
11742485
206.00 lbs

Ø 4.500 in →

Ø 4.500 in* →
Ø 4.750 in* →

Ø 3.625 in →

Ø 3.625 in →

Ø 4.500 in →

Ø 5.000 in →

Ø 4.500 in →

← DSN Far @ 80.05 ft
← DSN Near @ 79.30 ft

Microlog @ 69.49 ft
SDL Caliper @ 69.30 ft
SDL @ 69.29 ft

Receiver Array @ 52.30 ft
Sonic Receivers @ 52.30 ft

77.30 ft

10.81 ft

66.49 ft

5.67 ft

60.82 ft

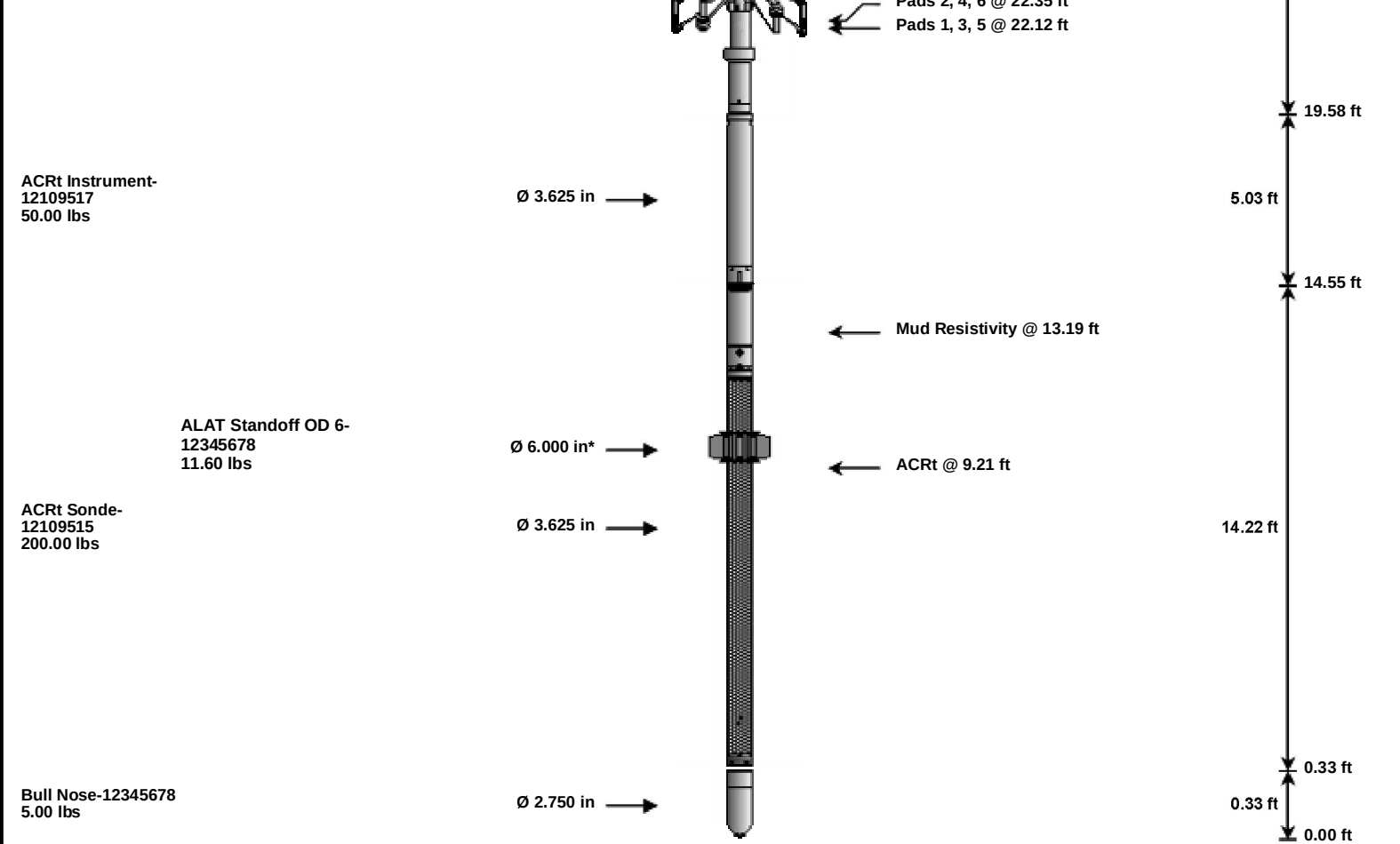
15.77 ft

45.04 ft

14.30 ft

30.74 ft

11.16 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	11459024	37.50	3.03	100.20	300.00
XOHD	Hostile to Dits Cross Over	11572809	20.00	0.95	99.25	300.00
SP	SP Sub	11153357	60.00	3.74	95.51	300.00
GTET	Gamma Telemetry Tool	11013114	165.00	8.52	86.99	60.00
DSNT	Dual Spaced Neutron	10993115	174.00	9.69	77.30	60.00
DCNT	DSN Decentralizer	10993115	6.60	5.13	* 80.63	300.00
SDLT	Spectral Density Tool	12153520	360.00	10.81	66.49	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	* 68.70	60.00
MICP	Microlog Pad	12153520	8.00	1.00	* 68.99	60.00
IQF	IQ Flex tool	11005585	140.00	5.67	60.82	300.00
BSAT	Borehole Sonic Array Tool	10747686	300.00	15.77	45.04	60.00
XRMI	XRMI Navigation - Insite	10746655	290.00	14.30	30.74	30.00
XRMI-I	XRMI Imager - Insite	11742485	206.00	11.16	19.58	30.00
ACRt	Array Compensated True Resistivity Instrument Section	12109517	50.00	5.03	14.55	120.00
ACRt	Array Compensated True Resistivity Sonde Section	12109515	200.00	14.22	0.33	120.00
ALATS	Array Laterolog Tool OD 6 Standoff	12345678	11.60	1.00	* 9.23	60.00
BLNS	Bull Nose	12345678	5.00	0.33	0.00	300.00
Total			2,098.70	103.23		
* Not included in Total Length and Length Accumulation.						
Data: THORP_1-26R10001 GTET-DSNT-SDLT-FLEX-BSAT-XRMI-ACRTIDLE					Date: 12-Jul-18 14:54:59	

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	9.600	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	2.000	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	CSTR	Compressive Strength	1000.00	psia
SHARED	ST	Surface Temperature	75.0	degF
SHARED	TD	Total Well Depth	5880.00	ft
SHARED	BHT	Bottom Hole Temperature	135.0	degF
SHARED	SVTM	Navigation and Survey Master Tool	XRMI-I Instrument	
SHARED	AZTM	High Res Z Accelerometer Master Tool	XRMI-I Instrument	
SHARED	TEMM	CBM Temperature Master Tool	GTET	
SHARED	SOCI	Source of Casing Information	Parameters	
SHARED	MSAL	Water-base mud filtrate salinity	0.00	ppm
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	
Rwa / CrossPlot	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
Rwa / CrossPlot	ROIN	Input for RO Calculation	Rwa	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
GTET	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
DSNT2	DNOK	Process DSN?	Yes	
DSNT2	DEOK	Process DSN EVR?	No	
DSNT2	NLIT	Neutron Lithology	Limestone	
DSNT2	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT2	DNTT	Temperature Correction Type	None	
DSNT2	DPRS	DSN Pressure Correction Type	None	
DSNT2	SHCO	View More Correction Options	No	
DSNT2	UTVD	Use TVD for Gradient Corrections?	No	
DSNT2	LHWT	Logging Horizontal Water Tank?	No	
DSNT2	UCLA	Classic Neutron Parameter utilized?	No	
DSNT2	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
SDLT2	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad2	MLOK	Process MicroLog Outputs?	Yes	
SDLT Pad2	DNOK	Process Density?	Yes	
SDLT Pad2	DNOK	Process Density EVR?	No	
SDLT Pad2	CB	Logging Calibration Blocks?	No	
SDLT Pad2	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad2	DTWN	Disable temperature warning	No	
SDLT Pad2	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad2	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad2	BHSM	Borehole Size Source Tool	SDLT2	
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FILQ	Frequency Filter Low Pass Value?	5000	Hz

BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
BSAT	DTFL	Delta -T Pore Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	Limestone 47.6	
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
XRMI-I Instrument	WRTI	Survey Writing Interval	30	ft
XRMI-I Instrument	SOPT	Smoothing Option	None	
XRMI-I Instrument	AO	Angular Offset Between Imaging Tools	0	deg
XRMI-I Mandrel	DIMG	Process XRMI?	Yes	
XRMI-I Mandrel	ALMT	Image Alignment Method	TOOL	
XRMI-I Mandrel	AGN	Use Button Auto Gain?	Yes	
XRMI-I Mandrel	BCLR	Button Auto Gain Color	127	
XRMI-I Mandrel	BFIL	Button Auto Gain Filter	0.020	
XRMI-I Mandrel	BGAN	Button Gain Value	0.001	
XRMI-I Mandrel	BOFF	Button Offset	0	
XRMI-I Mandrel	DIPE	Process Dipmeter Calculations?	Yes	
XRMI-I Mandrel	BHCS	Process Borehole Corrections?	Yes	
XRMI-I Mandrel	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
XRMI-I Mandrel	CLOK	Process Caliper Outputs?	Yes	
XRMI-I Mandrel	CMAX	Caliper Maximum Limit	100.0	in
XRMI-I Mandrel	CMIN	Caliper Mimimum Limit	3.5	in
XRMI-I Mandrel	NAVS	Navigation Source Tool	XRMI-I Instrument	
XRMI-I Mandrel	BHVC	Radius type for borehole volume calcuations	Elliptical	
XRMI-I Mandrel	CCL	Caliper Correction Algorithm	None	
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	RMAX	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
BOTTOM-----				
Data: THORP_1-26R10001 GTET-DSNT-SDLT-FLEX-BSAT-XRMI-ACRTIDLE			Date: 12-Jul-18 16:44:46	

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:

GTET - 11013114

Engineer:

JORGE ORLANDO PEREZ

Software Version:

WL INSITE R5.6.0 (Build 2)

Reference Calibration Date:

20-May-18 14:50:21

Calibration Date:

05-Jun-18 11:57:37

Calibration Version:

1

Calibrator Source S/N: TB-146

Calibrator API Reference:225.00 api

Equivalent Calibrator API Reference:228.9 api

Measurement	Measured	Calibrated	Units
Background	35.2	35.7	api
Background + Calibrator	260.9	264.7	api
Calibrator	225.7	228.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 11013114	Reference Calibration Date:	05-Jun-18 11:57:37
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	06-Jul-18 09:11:08
Software Version:	WL INSITE R5.6.0 (Build 2)	Calibration Version:	1

Calibrator Source S/N: TB-146
 Calibrator API Reference:225.00 api
 Equivalent Calibrator API Reference:228.9 api

Field Verification	Shop	Field	Units
Background	35.7	25.5	api
Background + Calibrator	264.7	253.6	api
Calibrator	228.9	228.1	api
Shop	Field	Difference	Tolerance
228.9	228.1	0.8	+/- 9.00

DENSITY CALIPER SHOP CALIBRATION

Tool Name:	SDLT2 - 12153520	Reference Calibration Date:	05-Jun-18 10:31:07
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	05-Jun-18 10:38:49
Software Version:	WL INSITE R5.6.0 (Build 2)	Calibration Version:	1
Host Tool Name:	DSNT - 10993115		

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-4928.64	-5107.21	-7000.00 - -1000.00
Pad Gain	0.0003765	0.0003757	0.0002000 - 0.0006000
Arm Offset	-3652.41	-3183.13	-5000.00 - 3000.00
Arm Gain	0.0005508	0.0005255	0.000300 - 0.000700
Arm Power	-0.000006501	-0.000005130	-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)	2.07	2.00	-0.07	+/- 0.20
Medium Ring (in)	3.83	3.75	-0.08	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.41	6.50	0.09	+/- 0.20
Medium Ring (in)	8.22	8.25	0.03	+/- 0.20
Large Ring (in)	15.00	15.00	0.00	+/- 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:	SDLT2 - 12153520	Reference Calibration Date:	05-Jun-18 10:38:49
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	06-Jul-18 09:04:06
Software Version:	WL INSITE R5.6.0 (Build 2)	Calibration Version:	1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.83	3.75	-0.08	+/- 0.10

Ring Diameter		8.25	8.30	0.05	+/- 0.15	
PASS/FAIL SUMMARY						
Pad Extension Check:			Passed			
Diameter Check:			Passed			
MICRO LOG SHOP CALIBRATION						
Tool Name:	Microlog Pad2 - 12153520			Reference Calibration Date:	15-Mar-18 10:04:39	
Engineer:	JORGE ORLANDO PEREZ			Calibration Date:	05-Jun-18 10:45:37	
Software Version:	WL INSITE R5.6.0 (Build 2)			Calibration Version:	1	
Host Tool Name:	DSNT - 10993115					
	CALIBRATION COEFFICIENT SUMMARY					
	Measurement	Micro Log Normal		Micro Log Lateral		
		Measured	Calibrated	Measured	Calibrated	Units
	Tool Zero	-0.12	-0.13	0.00	0.00	ohmm
	Calibration Point #1	0.02	0.00	0.00	0.00	ohmm
	Calibration Point #2	20.09	20.00	20.04	20.00	ohmm
	Internal Reference	19.95	19.86	20.05	20.01	ohmm
	Measurement	Micro Log Normal Tool Value		Micro Log Lateral Tool Value		Units
	Tool Zero	-0.47		0.42		V
	Calibration Point #1	35.56		0.39		V
	Calibration Point #2	5395.57		6946.36		V
	Internal Reference	5358.24		6950.67		V
	MICRO LOG FIELD CHECK					
	Tool Name:	Microlog Pad2 - 12153520			Reference Calibration Date:	05-Jun-18 10:45:37
Engineer:	JORGE ORLANDO PEREZ			Calibration Date:	06-Jul-18 08:59:30	
Software Version:	WL INSITE R5.6.0 (Build 2)			Calibration Version:	1	
	Measurement	Micro Log Normal		Micro Log Lateral		
		Shop	Field	Shop	Field	Units
	Tool Zero	-0.13	-0.12	0.00	-0.02	ohmm
	Internal Reference	19.86	19.87	20.01	20.02	ohmm
	Signal	Summary				
		Shop	Field	Difference	Tolerance	
	Microlog Normal	19.86	19.87	-0.01	+/- 0.80	
	Microlog Lateral	20.01	20.02	-0.01	+/- 0.80	
	CALIBRATION SUMMARY					
	Sensor	Shop	Field	Post	Difference	Tolerance
GTET-11013114						
Gamma Ray Calibrator	228.9	228.1	-----	0.8	+/- 9.00	api
SDLT2-12153520						
Pad Extension	3.75	3.75	-----	0.00	+/-0.10	in
Ring Diameter	8.25	8.30	-----	-0.05	+/-0.15	in
Microlog Pad2-12153520						
MicroLog Normal	19.86	19.87	-----	-0.01	+/-0.80	ohmm
MicroLog Lateral	20.01	20.02	-----	-0.01	+/-0.80	ohmm
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INPUTS, DELAYS AND FILTERS TABLE				
Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
Rwa / CrossPlot				
TPUL	Tension Pull	103.22	NO	
BS	Bit Size	103.22	NO	
HDIA	Measured Hole Diameter	0.00	NO	
CH_HOS				
DHTN	DownholeTension	0.00	BLK	0.000
SP Sub				
PLTC	Plot Control Mask	97.47	NO	
SP	Spontaneous Potential	97.47	BLK	1.250
SPR	Raw Spontaneous Potential	97.47	NO	
SPO	Spontaneous Potential Offset	97.47	NO	
GTET				
TPUL	Tension Pull	89.45	NO	
GR	Natural Gamma Ray API	89.45	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	89.45	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	89.45	W	1.416 , 0.750
HDIA	Measured Hole Diameter	0.00	NO	
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT2				
TPUL	Tension Pull	79.20	NO	
RNDS	Near Detector Telemetry Counts	79.30	BLK	1.417
RFDS	Far Detector Telemetry Counts	80.05	TRI	0.583
DNTT	DSN Tool Temperature	79.30	NO	
DSNS	DSN Tool Status	79.20	NO	
ERND	Near Detector Telemetry Counts EVR	79.30	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	80.05	BLK	0.000
ENTM	DSN Tool Temperature EVR	79.30	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT2				
TPUL	Tension Pull	69.30	NO	
PCAL	Pad Caliper	69.30	TRI	0.250
ACAL	Arm Caliper	69.30	TRI	0.250
BSAT				
TPUL	Tension Pull	52.30	NO	
STAT	Status	52.30	NO	
DLYT	Delay Time	52.30	NO	
SI	Sample Interval	52.30	NO	
TXRX	Raw Telemetry 10 Receivers	52.30	NO	
FRMC	Tool Frame Count	52.30	NO	
GMOD	Gain processing mode	45.04	NO	
XRMI-I Mandrel				
TPUL	Tension Pull	22.35	NO	
PAD1	XRMI Pad 1 values	22.12	NO	
PAD2	XRMI Pad 2 values	22.12	NO	
PAD3	XRMI Pad 3 values	22.12	NO	
PAD4	XRMI Pad 4 values	22.12	NO	
PAD5	XRMI Pad 5 values	22.12	NO	

PAD5	XRMI Pad 5 values	22.12	NO	
PAD6	XRMI Pad 6 values	22.12	NO	
OD1	EMI Odd Button Values Pad 1	22.12	NO	
OD2	EMI Odd Button Values Pad 2	22.35	NO	
OD3	EMI Odd Button Values Pad 3	22.12	NO	
OD4	EMI Odd Button Values Pad 4	22.35	NO	
OD5	EMI Odd Button Values Pad 5	22.12	NO	
OD6	EMI Odd Button Values Pad 6	22.35	NO	
EV1	EMI Even Button Values Pad 1	22.14	NO	
EV2	EMI Even Button Values Pad 2	22.32	NO	
EV3	EMI Even Button Values Pad 3	22.14	NO	
EV4	EMI Even Button Values Pad 4	22.32	NO	
EV5	EMI Even Button Values Pad 5	22.14	NO	
EV6	EMI Even Button Values Pad 6	22.32	NO	
ITMP	Instrument Temperature	19.58	NO	
EMIM	Tool Mode	19.58	NO	
HAZI	Hole Azimuth	21.87	NO	
HAZD	Hole Azimuth - Down Delay	22.37	NO	
ACCZ	Accelerometer Z	22.12	NO	
RB	Relative Bearing	21.87	NO	
RBD	Relative Bearing Down	22.37	NO	
TPUL	Tension Pull	22.35	NO	
FIR1	Current Button R - Pad 1	22.12	NO	
FIR2	Current Button R - Pad 2	22.35	NO	
FIR3	Current Button R - Pad 3	22.12	NO	
FIR4	Current Button R - Pad 4	22.35	NO	
FIR5	Current Button R - Pad 5	22.12	NO	
FIR6	Current Button R - Pad 6	22.35	NO	
FIX1	Current Button X - Pad 1	22.12	NO	
FIX2	Current Button X - Pad 2	22.35	NO	
FIX3	Current Button X - Pad 3	22.12	NO	
FIX4	Current Button X - Pad 4	22.35	NO	
FIX5	Current Button X - Pad 5	22.12	NO	
FIX6	Current Button X - Pad 6	22.35	NO	
SIR1	Current Slow Button R - Pad 1	22.12	BLK	3.000
SIR2	Current Slow Button R - Pad 2	22.35	BLK	3.000
SIR3	Current Slow Button R - Pad 3	22.12	BLK	3.000
SIR4	Current Slow Button R - Pad 4	22.35	BLK	3.000
SIR5	Current Slow Button R - Pad 5	22.12	BLK	3.000
SIR6	Current Slow Button R - Pad 6	22.35	BLK	3.000
SIX1	Current Slow Button X - Pad 1	22.12	BLK	3.000
SIX2	Current Slow Button X - Pad 2	22.35	BLK	3.000
SIX3	Current Slow Button X - Pad 3	22.12	BLK	3.000
SIX4	Current Slow Button X - Pad 4	22.35	BLK	3.000
SIX5	Current Slow Button X - Pad 5	22.12	BLK	3.000
SIX6	Current Slow Button X - Pad 6	22.35	BLK	3.000
EMMR	Phasor Voltage - Real Part	22.12	NO	
EMMX	Phasor Voltage - Imaginary Part	22.12	NO	
PADV	Pad Voltage	19.58	BLK	0.250
ITMP	Instrument Temperature	19.58	BLK	0.000
CON1	Conductivity Pad 1	22.12	BLK	3.000
CON2	Conductivity Pad 2	22.35	BLK	3.000
CON3	Conductivity Pad 3	22.12	BLK	3.000
CON4	Conductivity Pad 4	22.35	BLK	3.000
CON5	Conductivity Pad 5	22.12	BLK	3.000
CON6	Conductivity Pad 6	22.35	BLK	3.000
UIR2	Current Button R No Delay - Pad 2	22.12	NO	
UIR4	Current Button R No Delay - Pad 4	22.12	NO	
UIR6	Current Button R No Delay - Pad 6	22.12	NO	

UIX2	Current Button X No Delay - Pad 2	22.12	NO	
UIX4	Current Button X No Delay - Pad 4	22.12	NO	
UIX6	Current Button X No Delay - Pad 6	22.12	NO	
HDIA	Measured Hole Diameter	0.00	NO	
TPUL	Tension Pull	22.35	NO	
ARM1	Caliper 1 measurement	22.12	BLK	0.000
ARM2	Caliper 2 measurement	22.12	BLK	0.000
ARM3	Caliper 3 measurement	22.12	BLK	0.000
ARM4	Caliper 4 measurement	22.12	BLK	0.000
ARM5	Caliper 5 measurement	22.12	BLK	0.000
ARM6	Caliper 6 measurement	22.12	BLK	0.000
MOTV	Motor Voltage 1	22.12	BLK	0.000
PRES	Caliper percentage of total compression of the spring	19.58	BLK	0.000
HAZI	Hole Azimuth	22.12	NO	
RB	Relative Bearing	22.12	NO	
AZI1	PAD1 Azimuth	22.12	NO	
DEVI	Inclination	22.12	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 Reference 12 KHz Real Signal	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	
HDIA	Measured Hole Diameter	0.00	NO	

Microlog Pad2				
TPUL	Tension Pull	69.49	NO	
MINV	Microlog Lateral	69.49	BLK	0.750
MNOR	Microlog Normal	69.49	BLK	0.750

SDLT Pad2				
TPUL	Tension Pull	69.29	NO	
NAB	Near Above	69.12	BLK	0.920
NHI	Near Cesium High	69.12	BLK	0.920
NLO	Near Cesium Low	69.12	BLK	0.920
NVA	Near Valley	69.12	BLK	0.920
NBA	Near Barite	69.12	BLK	0.920
NDE	Near Density	69.12	BLK	0.920
NPK	Near Peak	69.12	BLK	0.920
NLI	Near Lithology	69.12	BLK	0.920
NBAU	Near Barite Unfiltered	69.12	BLK	0.250
NLIU	Near Lithology Unfiltered	69.12	BLK	0.250
FAB	Far Above	69.47	BLK	0.250
FHI	Far Cesium High	69.47	BLK	0.250
FLO	Far Cesium Low	69.47	BLK	0.250
FVA	Far Valley	69.47	BLK	0.250
FBA	Far Barite	69.47	BLK	0.250
FDE	Far Density	69.47	BLK	0.250
FPK	Far Peak	69.47	BLK	0.250
FLI	Far Lithology	69.47	BLK	0.250
PTMP	Pad Temperature	69.30	BLK	0.920
NHV	Near Detector High Voltage	68.70	NO	
FHV	Far Detector High Voltage	68.70	NO	
ITMP	Instrument Temperature	68.70	NO	
DDHV	Detector High Voltage	68.70	NO	
HDIA	Measured Hole Diameter	0.00	NO	

Data: THORP_1-26R0001 GTET-DSNT-SDLT-FLEX-BSAT-XRMI-ACRTIDLE

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COMPANY	RAYDON EXPLORATION, INC.		
WELL	THORP 1-26R		
FIELD	KISMET		
COUNTY	SEWARD	STATE	KANSAS
HALLIBURTON		MICROLOG	