

MICROLOG

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Service Ticket No.: 902429054						API Serial No.: 15-153-21139-00-00						PGM Version: WL INSITE R4.6.4 (Build 3)							
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-11022962						
Source Rmf	Rmc										S-11005909								
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.		11048627		Serial No.		10747684		Serial No.		11014296		Serial No.		11055304					
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		EVEN		Log Type		GAM-GAM		Log Type		NEU-NEU					
Type		SCINT						Source Type		CS137		Source Type		AM241BE					
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		15.0 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	TD	CSG	REC	0	150	30	-10	47.6 uSec/ft	30	-10	2.71 gr/cc	30	-10	LIME					

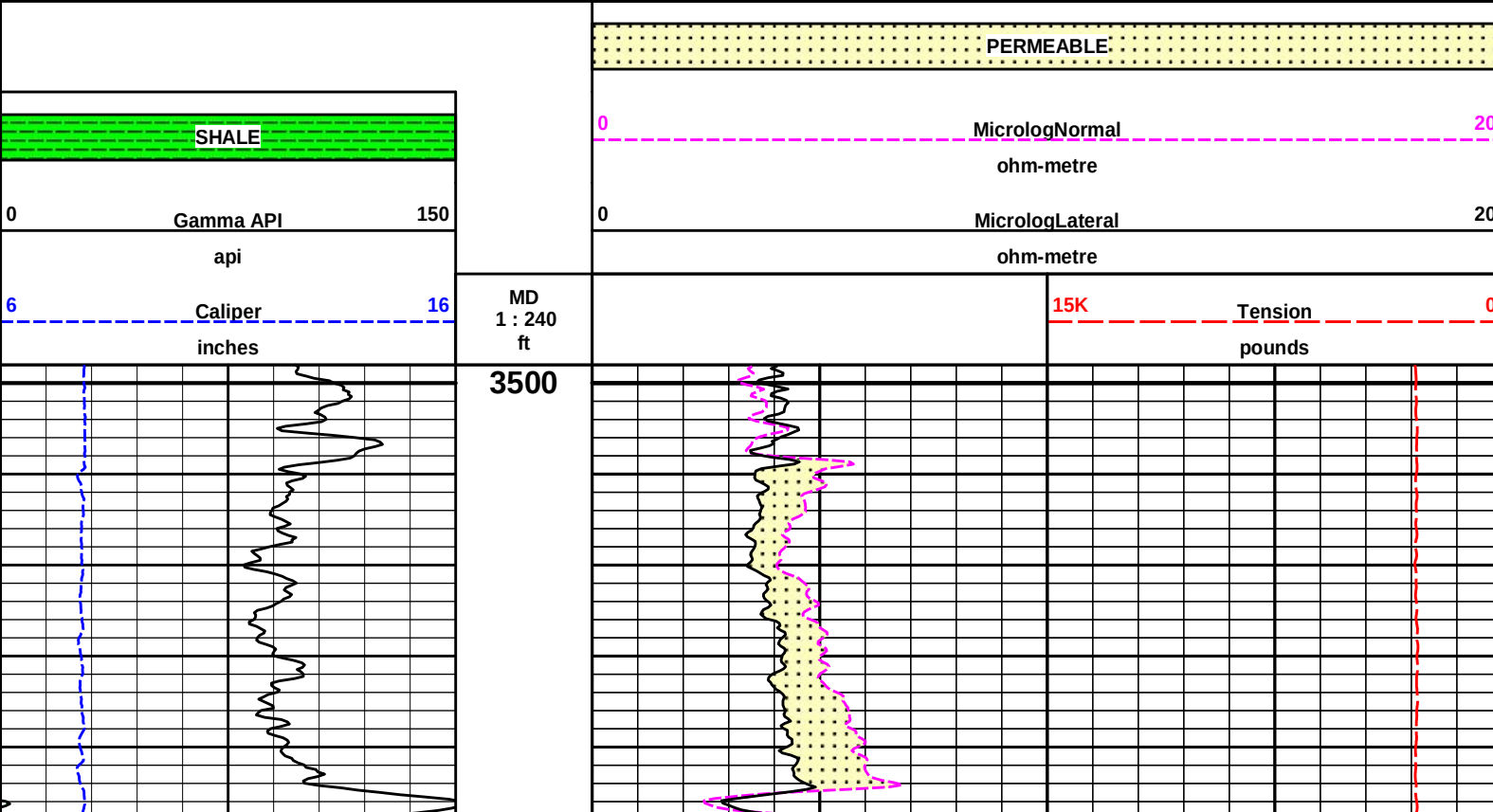
[illegible]

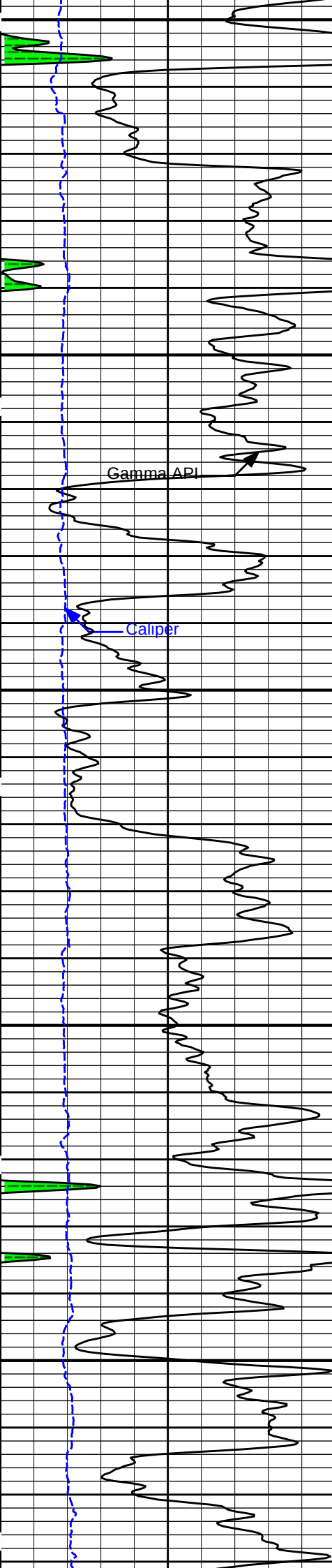
HALLIBURTON

Plot Time: 22-May-15 12:36:57
Plot Range: 3498 ft to 4887.17 ft
Data: JACK-FABER_1-7\Well Based\DETAILS\
Plot File: \\LOCAL-JACK-FABER_1-7\Well Based\MICROLOG\Microlog_IQ_5_main.lib

5 INCH MAIN LOG

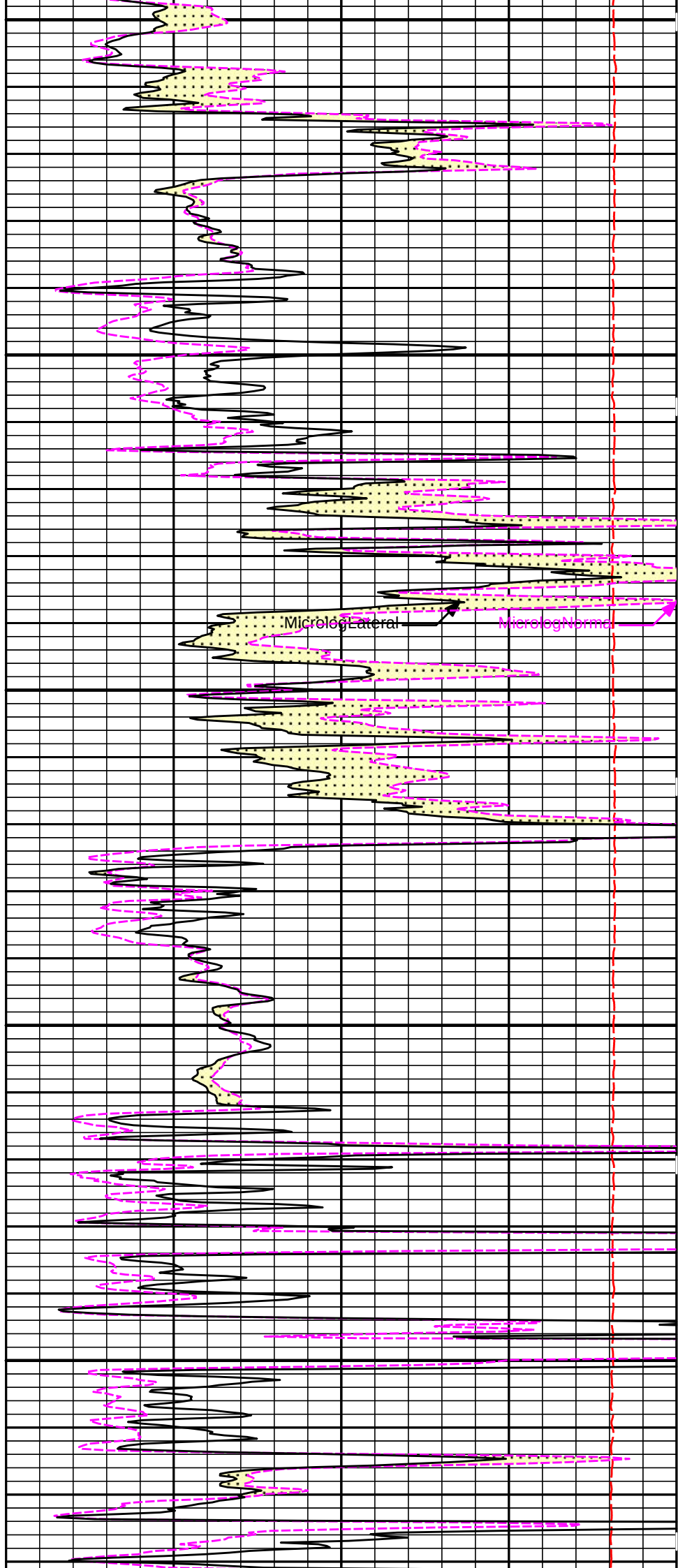
MEASURED DEPTH
MAIN LOG 5" PER 100'

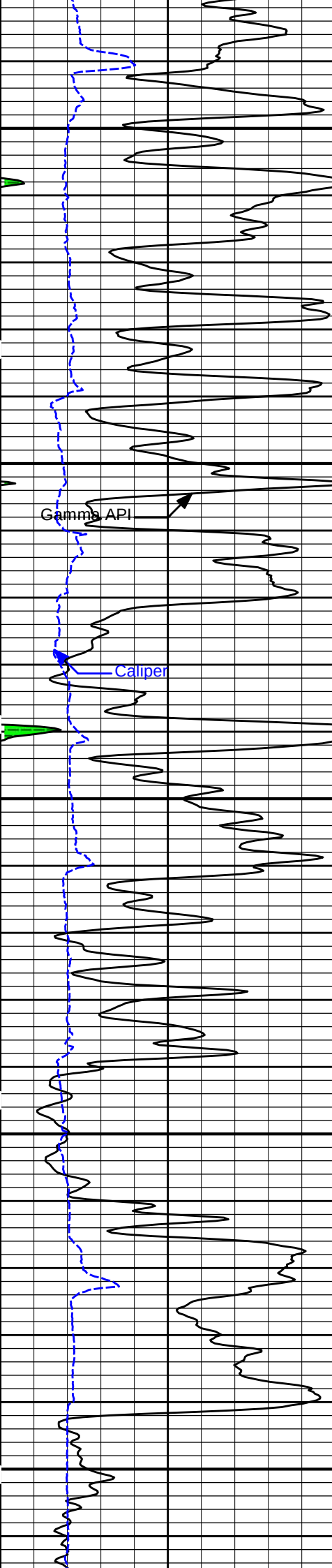




3600

3700

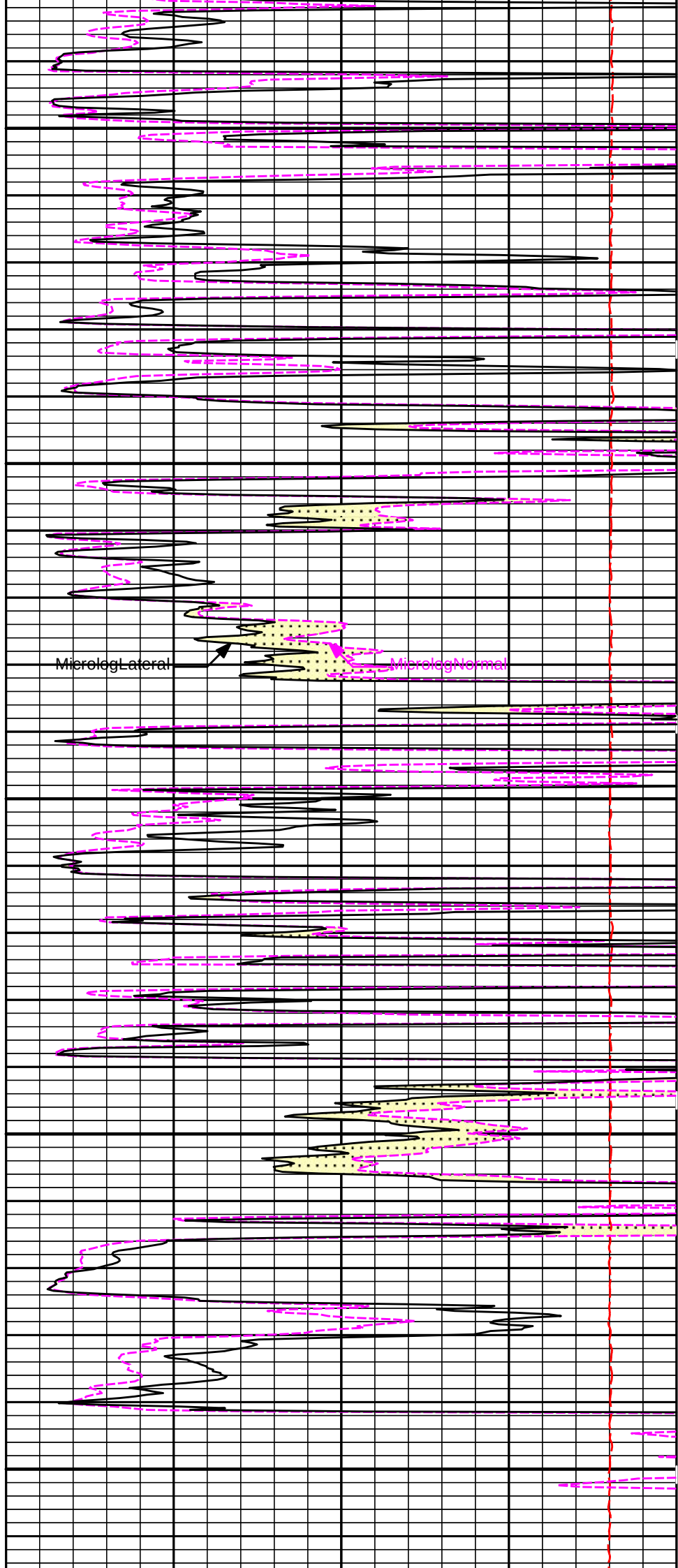


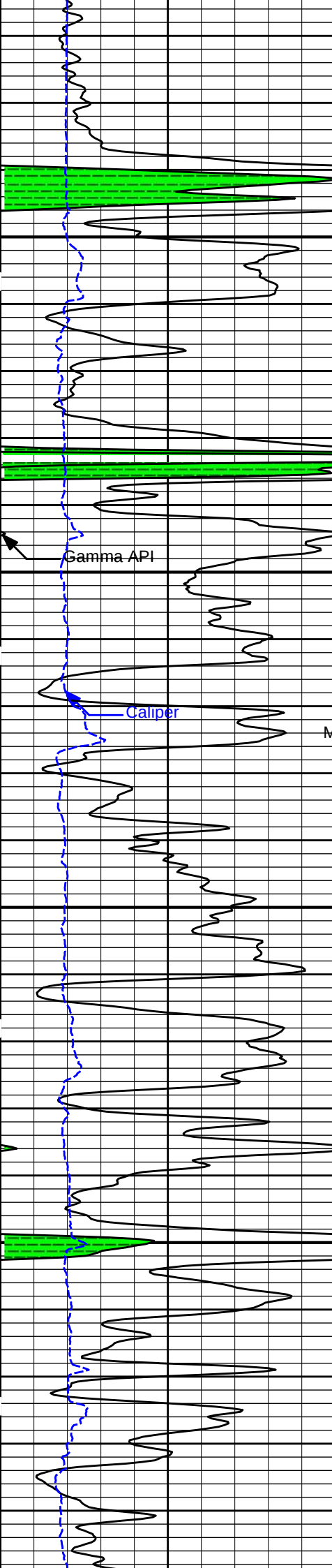


3800

3900

4000

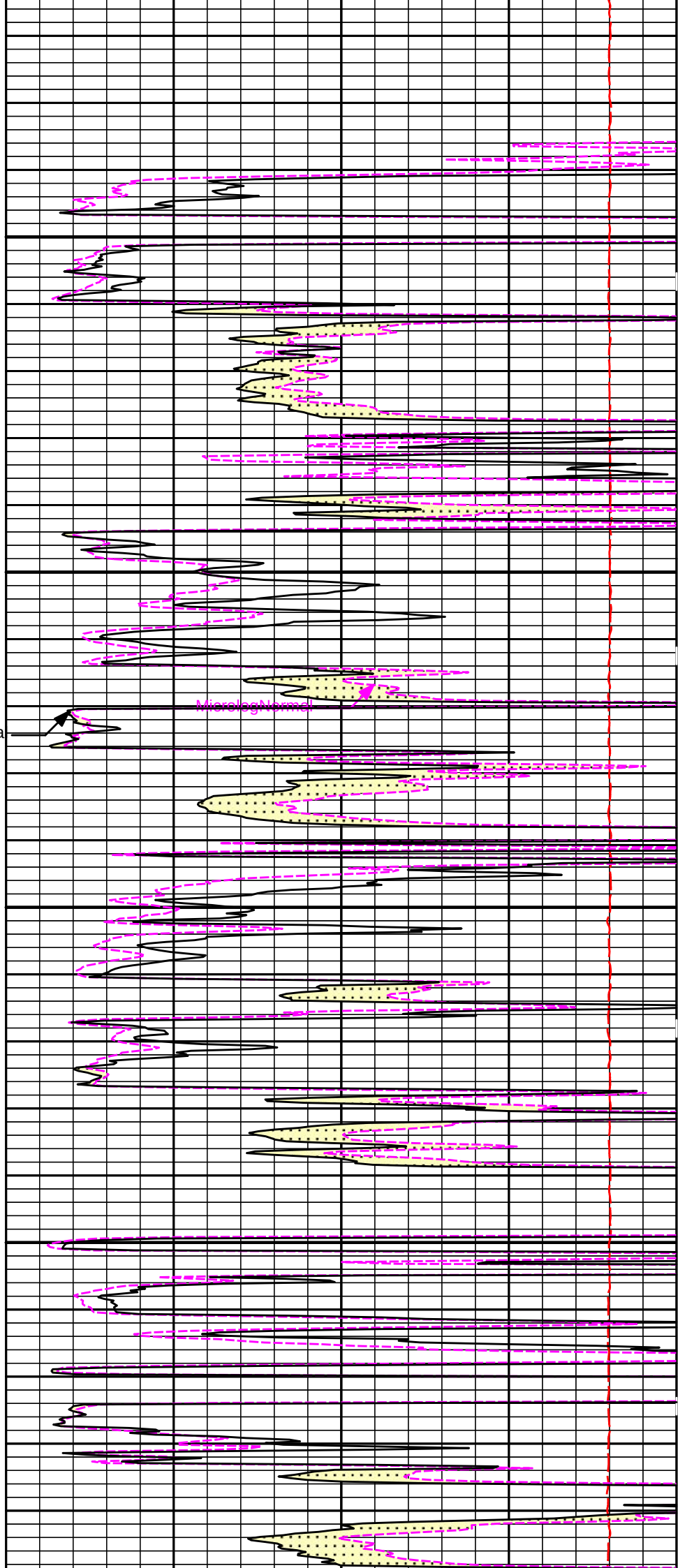


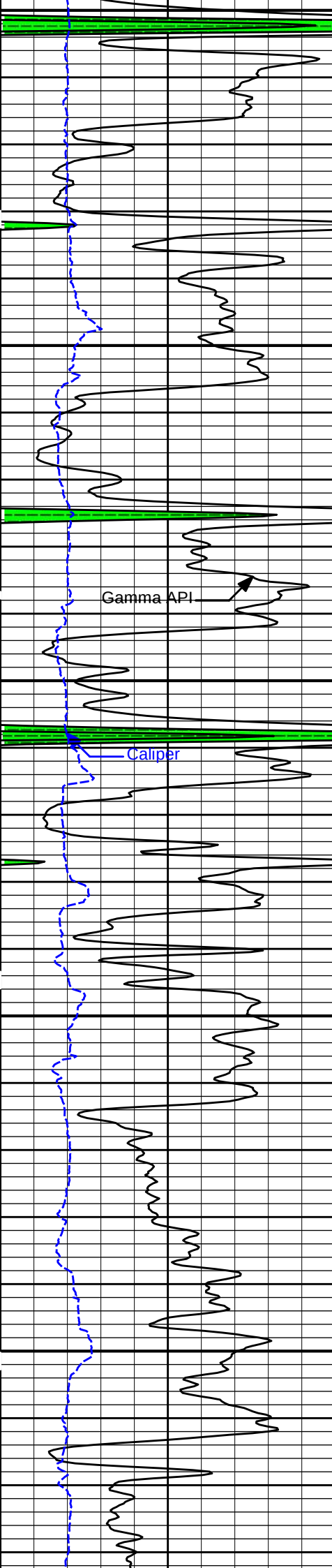


4100

MicrologLatera

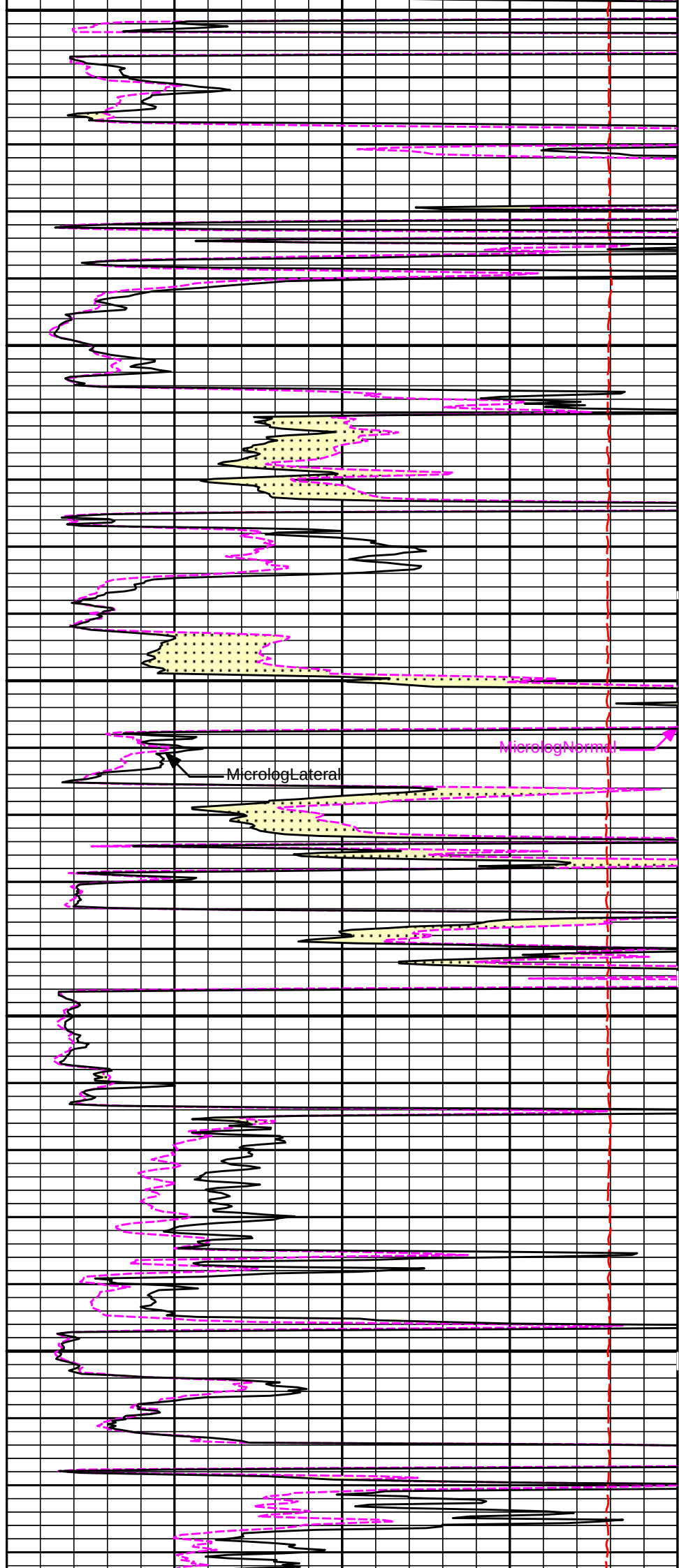
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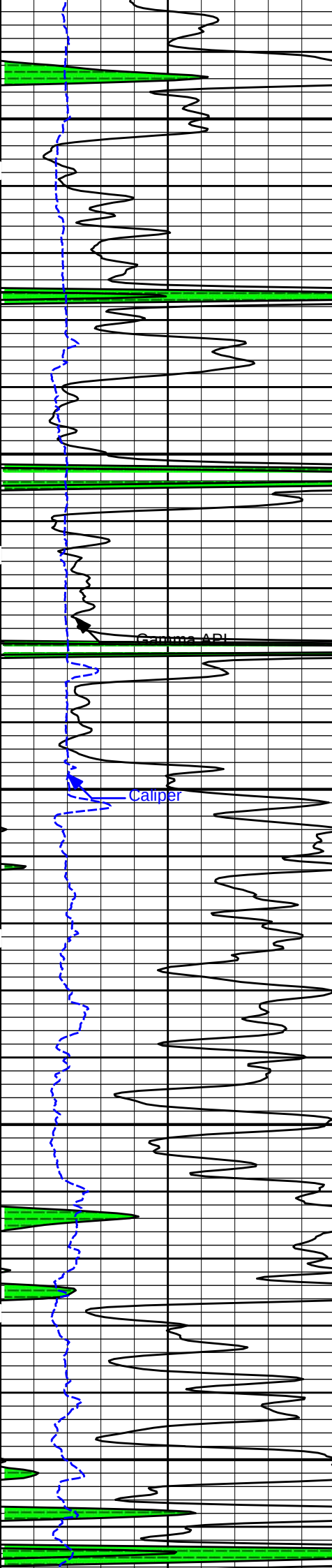




4300

4400

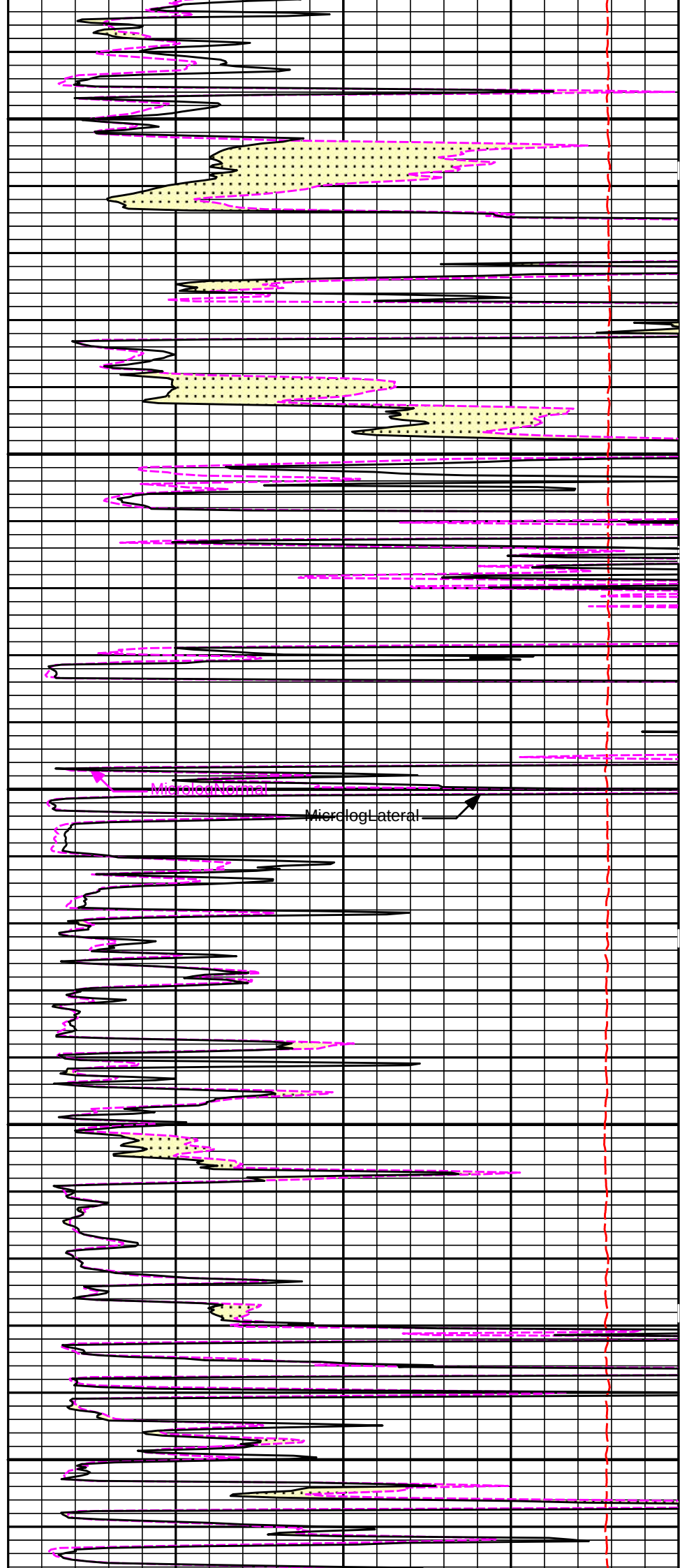


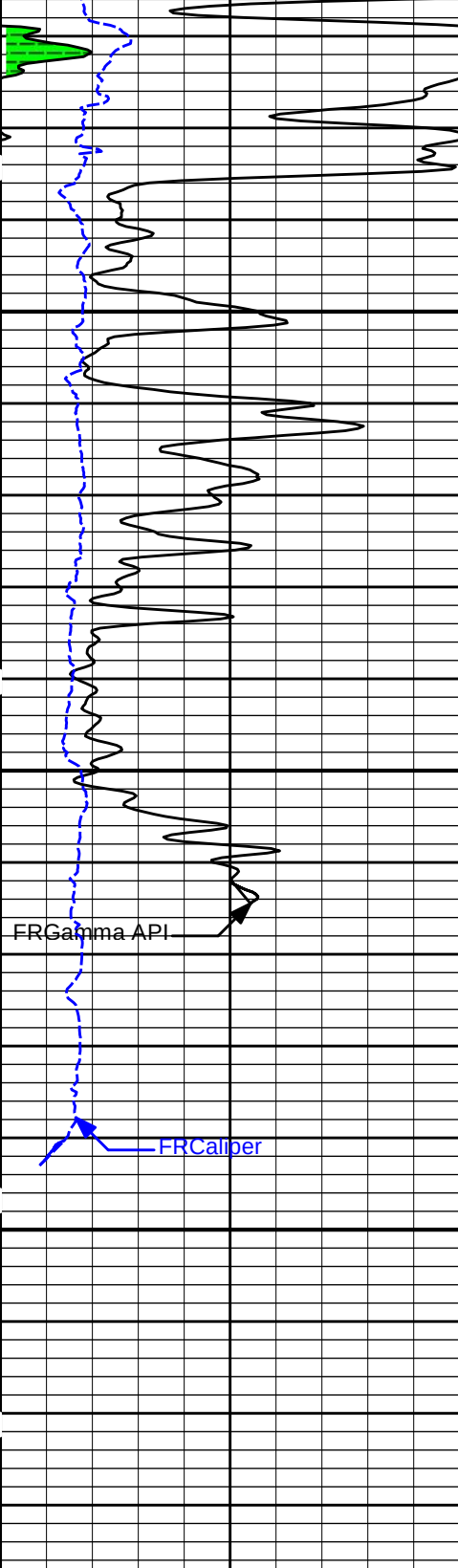


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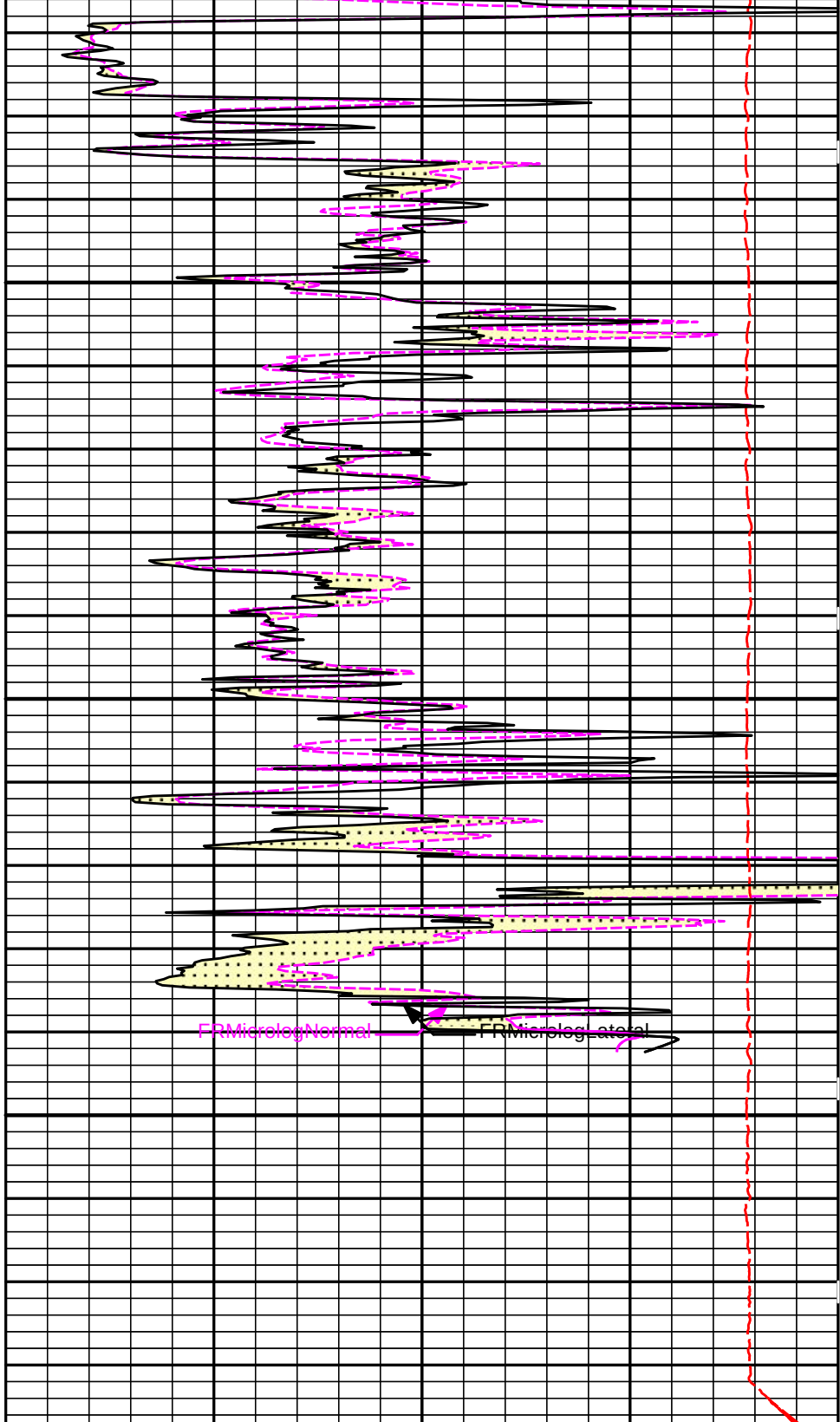
4600

4700





4800



6	Caliper	16
	inches	
0	Gamma API	150
	api	
	SHALE	

MD
1 : 240
ft

15K	Tension	0
	pounds	
0	MicrologLateral	20
	ohm-metre	
0	MicrologNormal	20
	ohm-metre	
	PERMEABLE	

HALLIBURTON

Plot Time: 22-May-15 12:37:03
Plot Range: 3498 ft to 4887.17 ft
Data: JACK-FABER_1-7\Well Based\DETAILS\
Plot File: \\-LOCAL-JACK-FABER_1-7\Well Based\MICROLOG\Microlog_IQ_5_main.lib

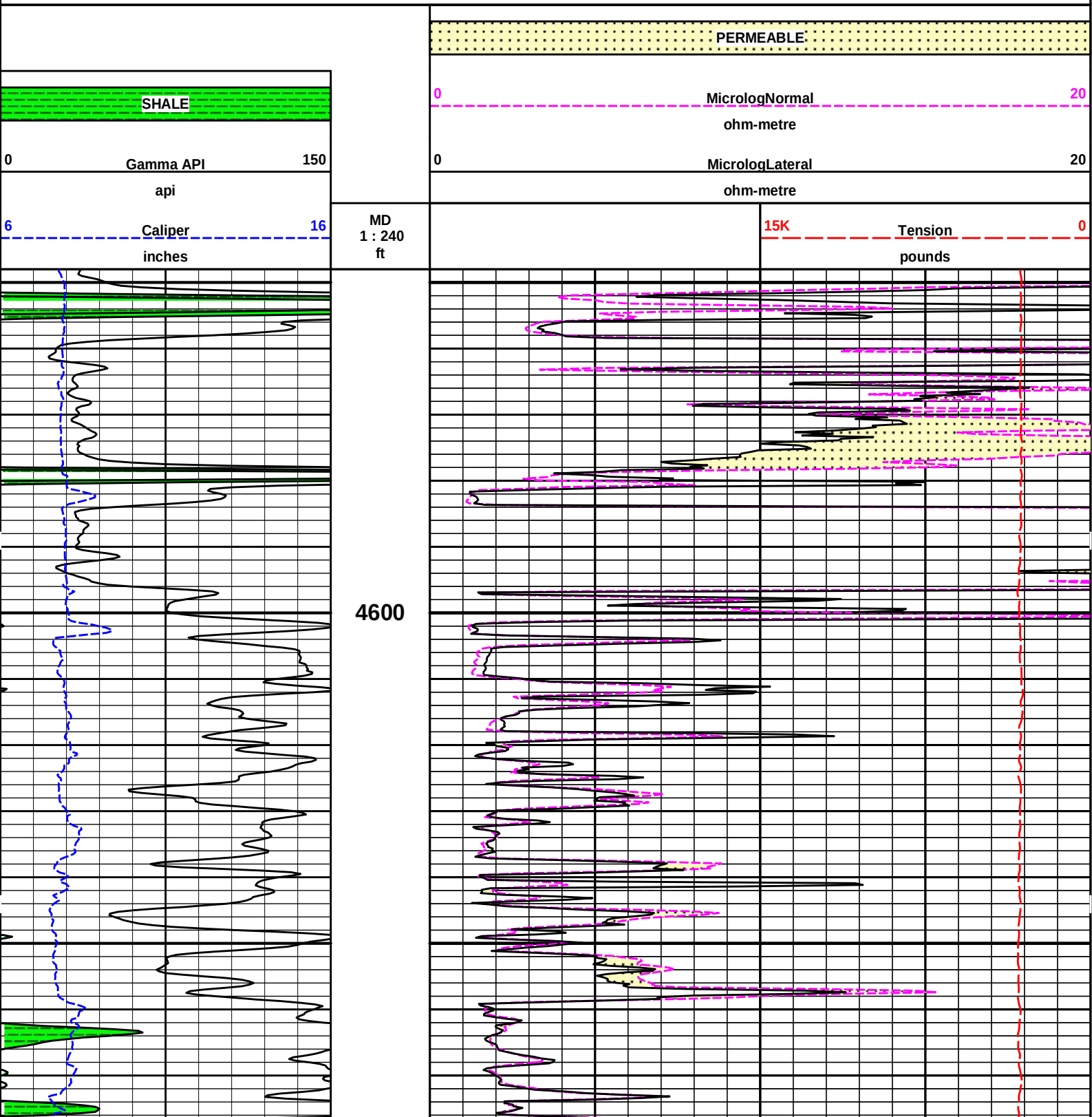
5 INCH MAIN LOG

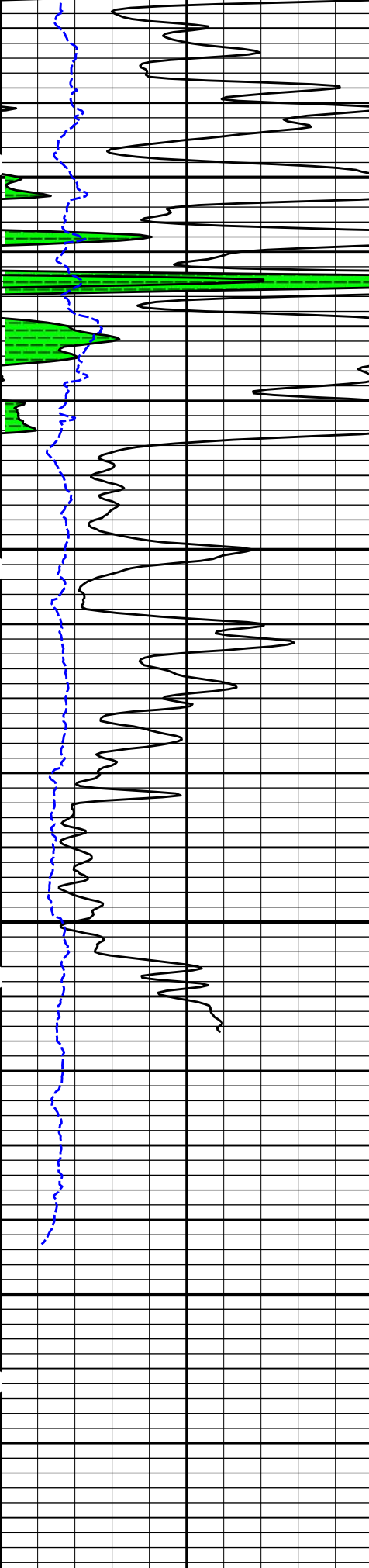
MEASURED DEPTH
MAIN LOG 5" PER 100'

HALLIBURTON

Plot Time: 22-May-15 12:37:03
Plot Range: 4548 ft to 4887.42 ft
Data: JACK-FABER_1-7\Well Based\REPEAT\
Plot File: \\LOCAL-JACK-FABER_1-7\Well Based\MICROLOG\Microlog_IQ_5_rep_lib

REPEAT SECTION



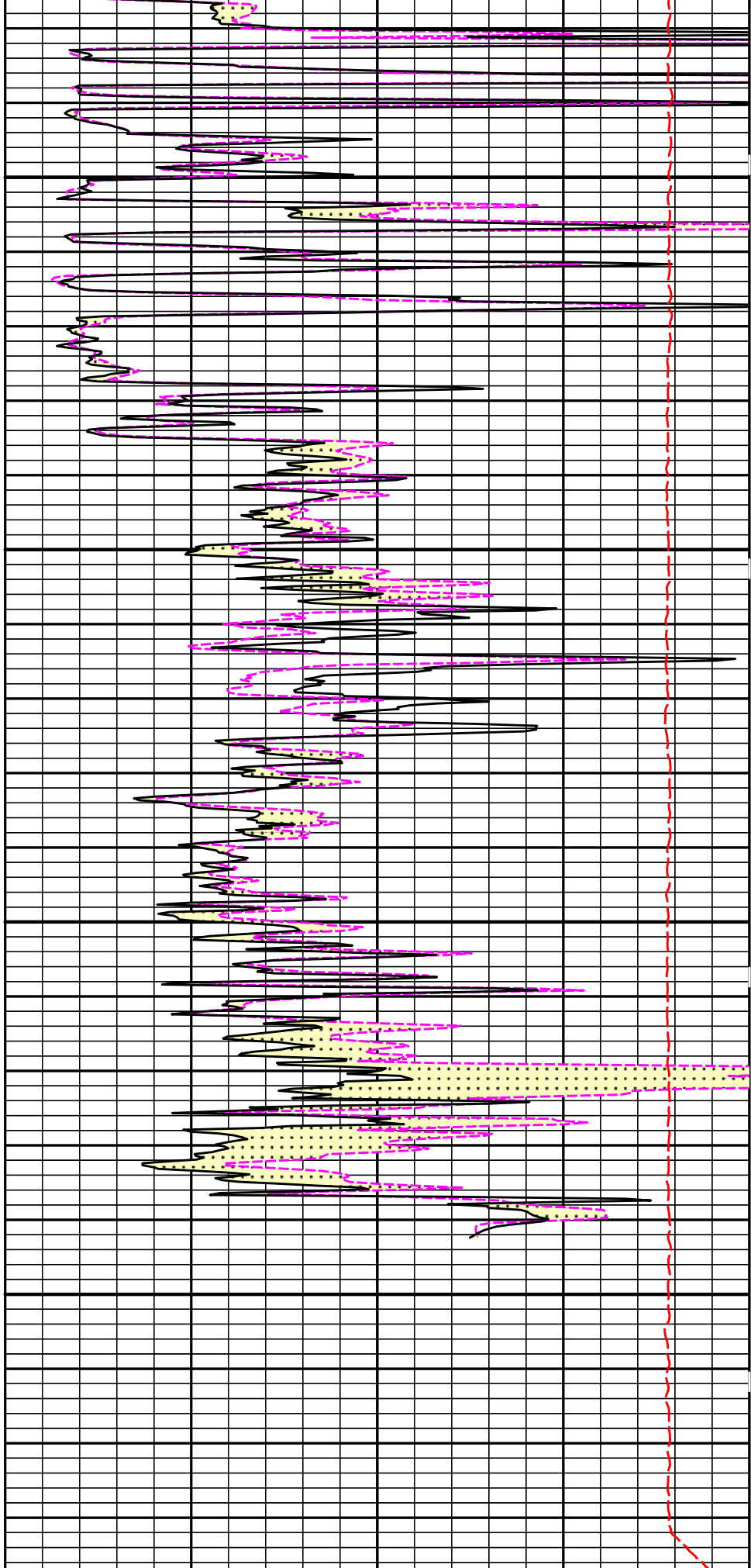


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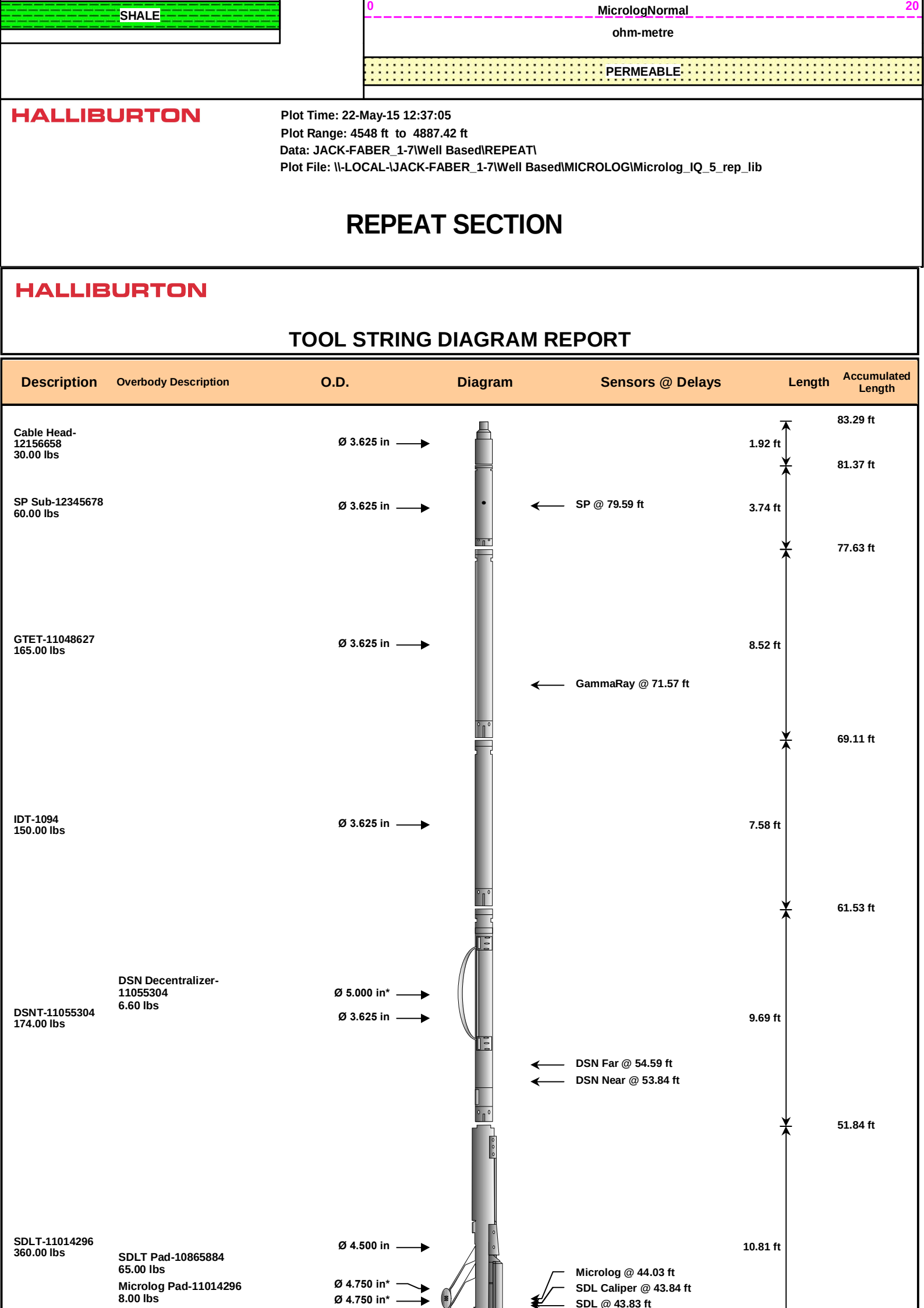
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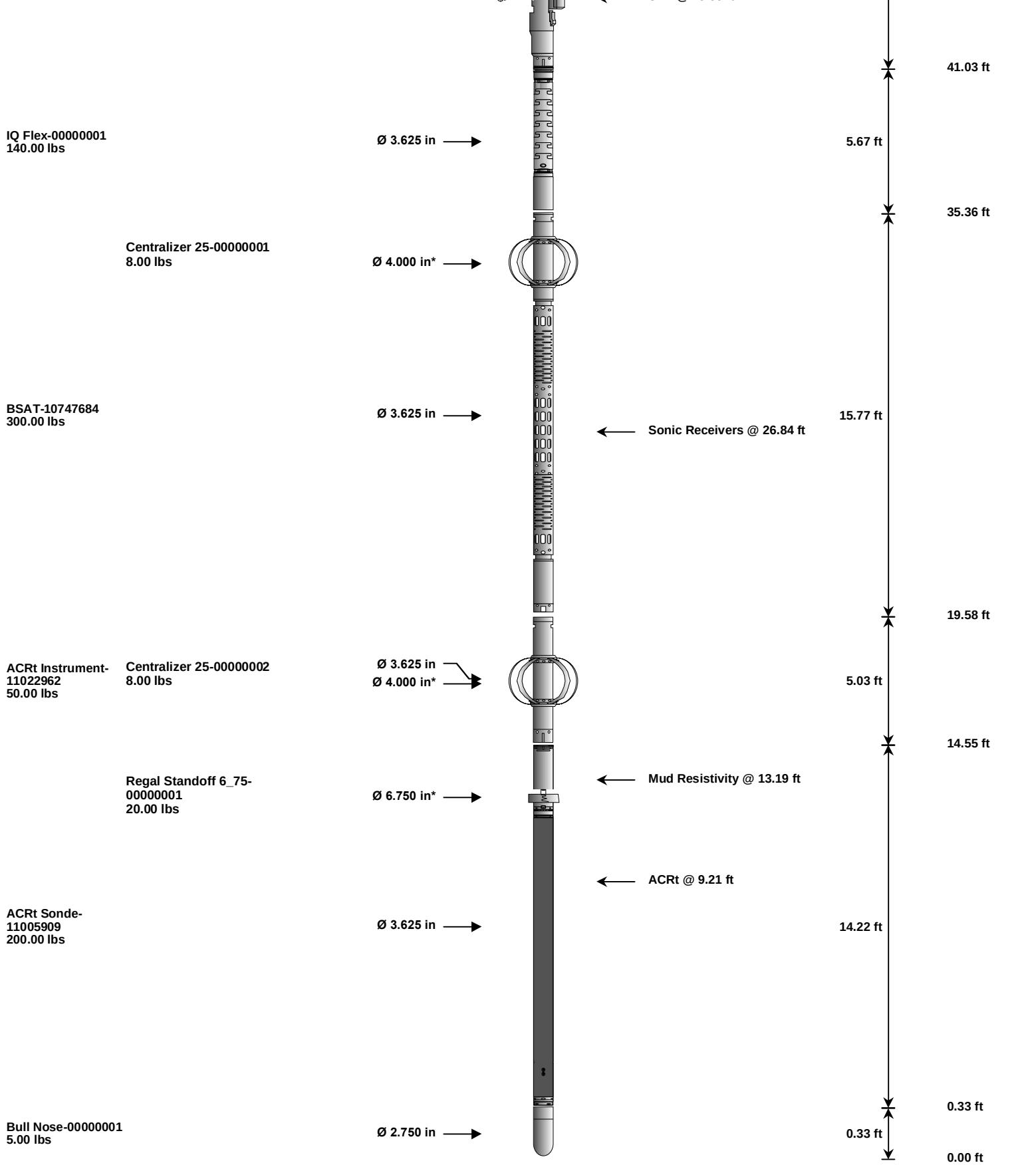
6	Caliper	16
	inches	
0	Gamma API	150
	api	

MD
1 : 240
ft



15K	Tension	0
	pounds	
0	MicrologLateral	20
	ohm-metre	





Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	Standard OH Cable Head		12156658	30.00	1.92	81.37	300.00
SP	SP Sub		12345678	60.00	3.74	77.63	300.00
GTET	Gamma Telemetry Tool		11048627	165.00	8.52	69.11	60.00
IDT	Insite Directional Tool		1094	150.00	7.58	61.53	60.00
DSNT	Dual Spaced Neutron		11055304	174.00	9.69	51.84	60.00
DCNT	DSN Decentralizer		11055304	6.60	5.13	* 55.17	300.00
SDLT	Spectral Density Tool		11014296	360.00	10.81	41.03	60.00
SDLP	Density Insite Pad		10865884	65.00	2.55	* 43.24	60.00
MICP	Microlog Pad		11014296	8.00	1.00	* 43.53	60.00
IQF	IQ Flex tool		00000001	140.00	5.67	35.36	300.00
BSAT	Borehole Sonic Array Tool		10747684	300.00	15.77	19.58	60.00
OBCEN	Centralizer - 25 in. Overbody		00000001	8.00	2.08	* 32.37	300.00
ACRT	Array Compensated True Resistivity Instrument Section		11022962	50.00	5.03	14.55	120.00

ACRT	Array Compensated True Resistivity Instrument Section	11005909	200.00	14.22		0.33	120.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	*	15.92	300.00
ACRT	Array Compensated True Resistivity Sonde Section	11005909	200.00	14.22		0.33	120.00
RSOF	Regal Standoff 6.75in	00000001	20.00	0.52	*	12.25	300.00
BLNS	Bull Nose	00000001	5.00	0.33		0.00	300.00
Total			1,749.60	83.29			
* Not included in Total Length and Length Accumulation.							
Data: JACK-FABER_1-710001 SP-GTET-IDT-DSN-SDL-FLEX-BSAT-ACRT-BNIDLE							Date: 22-May-15 09:58:18

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	9.300	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	ST	Surface Temperature	75.0	degF		
	SHARED	TD	Total Well Depth	4880.00	ft		
	SHARED	BHT	Bottom Hole Temperature	115.0	degF		
	SHARED	SVTM	Navigation and Survey Master Tool	IDT			
	SHARED	AZTM	High Res Z Accelerometer Master Tool	IDT			
	SHARED	TEMM	Temperature 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			
	Rwa / CrossPlot	BHSM	Borehole Size Source Tool	SDLT			
	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			
	GTET	BHSM	Borehole Size Source Tool	SDLT			
	IDT	WRTI	Survey Writing Interval	30	ft		
	IDT	SOPT	Smoothing Option	None			
	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	
DSNT	BHSM	Borehole Size Source Tool	SDLT	
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
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
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
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
BOTTOM_____				
Data: JACK-FABER_1-70001 SP-GTET-IDT-DSN-SDL-FLEX-BSAT-ACRT-BNIDLE			Date: 22-May-15 10:03:09	

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:

GTET - 11048627

Reference Calibration Date:

16-Apr-15 18:44:45

Engineer:

JORGE ORLANDO PEREZ

Calibration Date:

30-Apr-15 12:33:23

Software Version:

WL INSITE R4.6.4 (Build 3)

Calibration Version:

1

Calibrator Source S/N: Error

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Measurement	Measured	Calibrated	Units
Background	54.0	57.1	api
Background + Calibrator	309.3	326.7	api
Calibrator	255.2	269.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION				
Tool Name:	GTET - 11048627	Reference Calibration Date:	22-May-15 10:03:09	

Tool Name: GTET - 11048627		Reference Calibration Date: 30-Apr-15 12:33:23		
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	22-May-15 03:43:16	
Software Version:	WL INSITE R4.6.4 (Build 3)	Calibration Version:	1	
Calibrator Source S/N: Error				
Calibrator API Reference:265.00 api				
Equivalent Calibrator API Reference:269.6 api				
Field Verification		Shop	Field	Units
Background		57.1	53.5	api
Background + Calibrator		326.7	324.6	api
Calibrator		269.6	271.1	api
Shop		Field	Difference	Tolerance
269.6		271.1	-1.5	+/- 9.00

DENSITY CALIPER SHOP CALIBRATION			
Tool Name:	SDLT - 11014296	Reference Calibration Date:	30-Apr-15 11:00:03
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	30-Apr-15 11:05:11
Software Version:	WL INSITE R4.6.4 (Build 3)	Calibration Version:	1
Host Tool Name:	DSNT - 11055304		

CALIBRATION COEFFICIENTS				
Measurement	Previous Value	New Value	Control Limit On New Value	
Pad Offset	-4182.24	-4272.56	-7000.00 - -1000.00	
Pad Gain	0.0003939	0.0003999	0.000200 - 0.000600	
Arm Offset	-3383.61	-3237.10	-5000.00 - 3000.00	
Arm Gain	0.0005099	0.0005031	0.000300 - 0.000700	
Arm Power	-0.000004570	-0.000004135	-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)	2.01	2.00	-0.01	+/- 0.20
Medium Ring (in)	3.73	3.75	0.02	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.49	6.50	0.01	+/- 0.20
Medium Ring (in)	8.25	8.25	0.00	+/- 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:	SDLT - 11014296	Reference Calibration Date:	30-Apr-15 11:05:11
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	22-May-15 03:41:23
Software Version:	WL INSITE R4.6.4 (Build 3)	Calibration Version:	1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.76	0.01	+/- 0.10
Ring Diameter	8.25	8.27	0.02	+/- 0.15

Mnemonic		Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel					
TENS	Tension		0.00	NO	
Rwa / CrossPlot					
TPUL	Tension Pull		83.29	NO	
BS	Bit Size		83.29	NO	
HDIA	Measured Hole Diameter		0.00	NO	
SP Sub					
PLTC	Plot Control Mask		79.59	NO	
SP	Spontaneous Potential		79.59	BLK	1.250
SPR	Raw Spontaneous Potential		79.59	NO	
SPO	Spontaneous Potential Offset		79.59	NO	
GTET					
TPUL	Tension Pull		71.57	NO	
GR	Natural Gamma Ray API		71.57	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API		71.57	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution		71.57	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	
IDT					
TPUL	Tension Pull		62.53	NO	
ACCX	Accelerometer X		62.53	NO	
ACCY	Accelerometer Y		62.53	NO	
ACCZ	Accelerometer Z		62.53	NO	
MAGX	magnetometer x with unit		62.53	NO	
MAGY	Magnetometer Y with unit		62.53	NO	
MAGZ	magnetometer z with unit		62.53	NO	
IAMP	Accelerometer Temperature		62.53	NO	
MTMP	Magnetometer Temperature		62.53	NO	
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
ERFD	Far Detector Telemetry Counts EVR		54.59	BLK	0.000
ENTM	DSN Tool Temperature EVR		53.84	NO	
HDIA	Measured Hole Diameter		0.00	NO	
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	

CMOD	Cum processing mode		10.00	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		
SDLT Pad					
TPUL	Tension Pull	43.83	NO		
NAB	Near Above	43.66	BLK	0.020	

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	
HDIA	Measured Hole Diameter	0.00	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: JACK-FABER_1-7I0001 SP-GTET-IDT-DSN-SDL-FLEX-BSAT-ACRT-BNIDLE			Date: 22-May-15 10:03:34	

COMPANY	CULBREATH OIL & GAS		
WELL	JACK FABER 1-7		
FIELD	WILDCAT		
COUNTY	RAWLINS	STATE	KANSAS
HALLIBURTON		MICROLOG	