

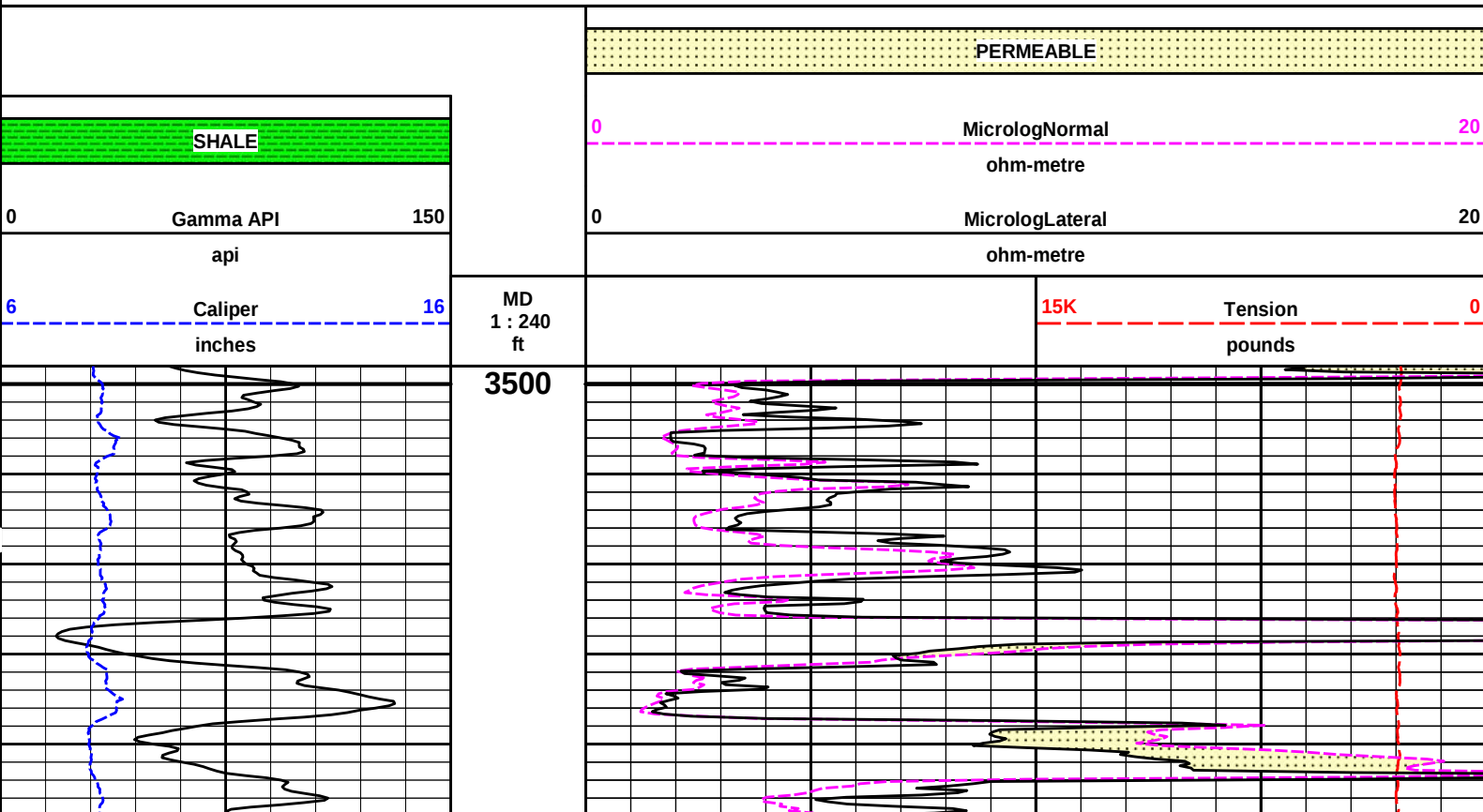
MICROLOG

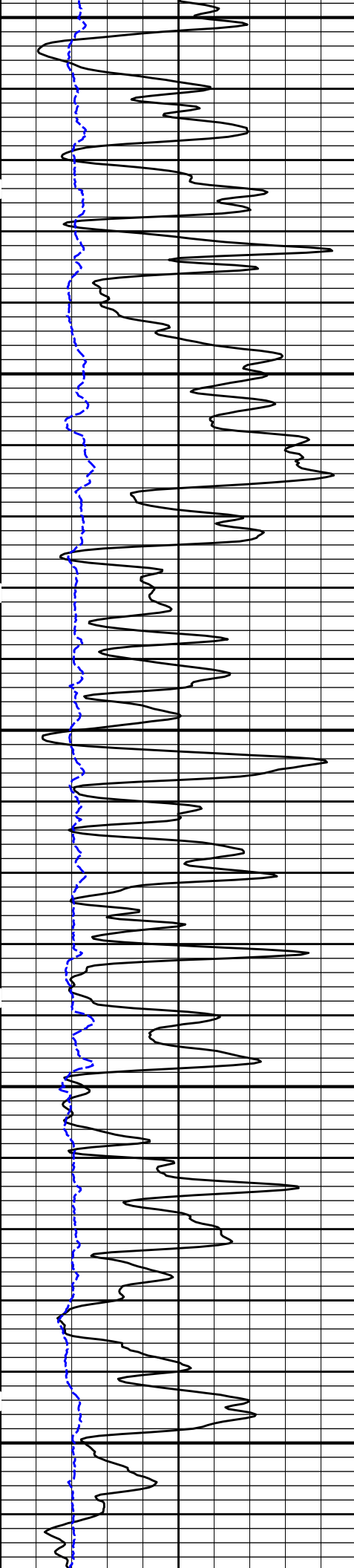
COMPANY		CULBREATH OIL & GAS	
WELL		BIXENMAN BROTHERS 1-18	
FIELD/BLOCK		WILDCAT	
COUNTY		SHERIDAN	
STATE		KANSAS	
Sect. 10	Twp. T10S	Rge. 30W	
API No. 14-179-21391-00-00 Location (SHL) 813' FNL & 2234' FWL N2 SE NE NW			Other Services: DSNT/SDLT MICROLOG IDT BSAT ACRT
COUNTY		SHERIDAN	
FIELD/BLOCK		WILDCAT	
WELL		BIXENMAN BROTHERS 1-18	
COMPANY		CULBREATH OIL & GAS	

Fold here

Service Ticket No.: 902046456				API Serial No.: 14-179-21391-00-00				PGM Version: WL INSITE R4.4.3 (Build 6)			
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.		@		@			10929776				
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.	10811258	Serial No.	10939064	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.	T-102	Spacing	0.5'	Log Type	GAM-GAM	Log Type	NEU-NEU				
Type	SCINT			Source Type	CS137	Source Type	AM241BE				
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	15.0 Ci				

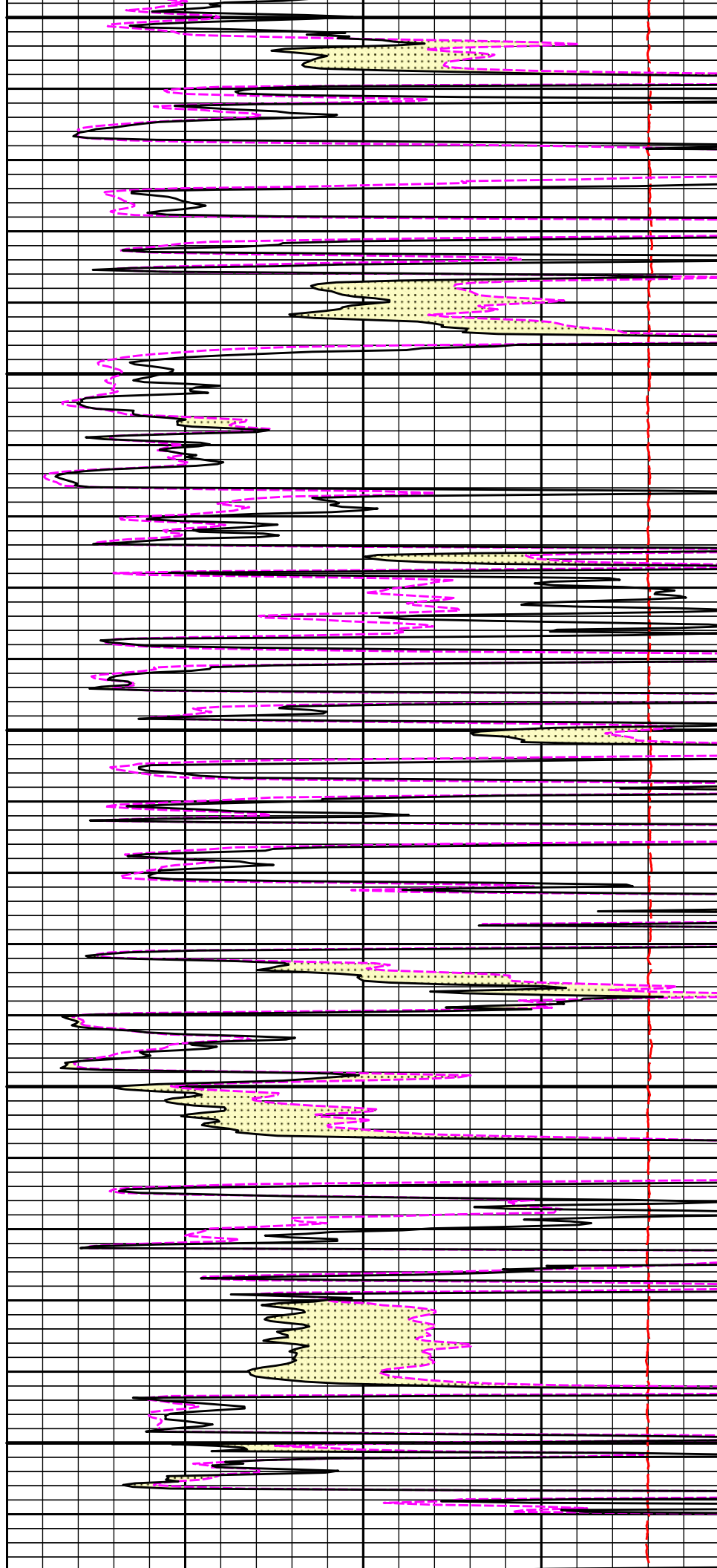
LOGGING DATA

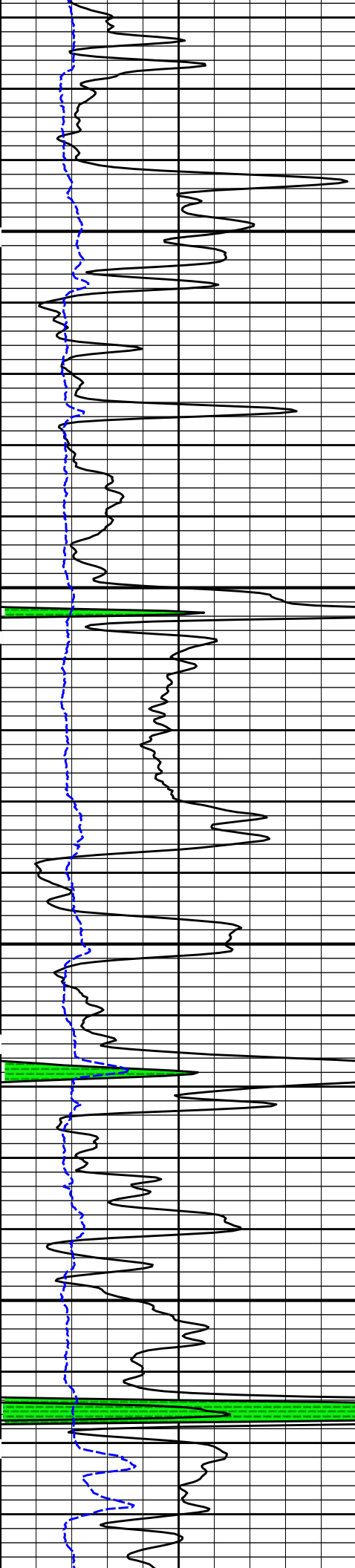
[illegible]



3600

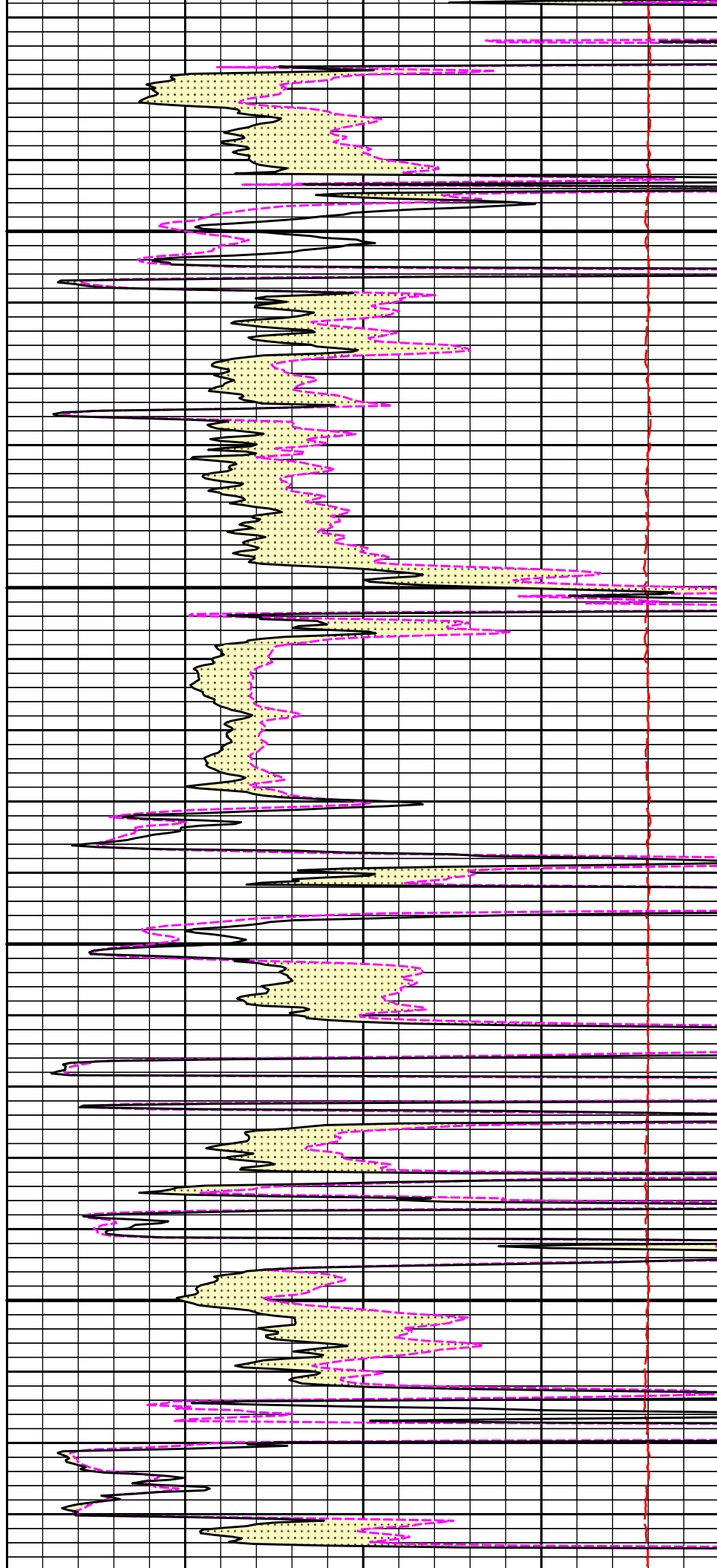
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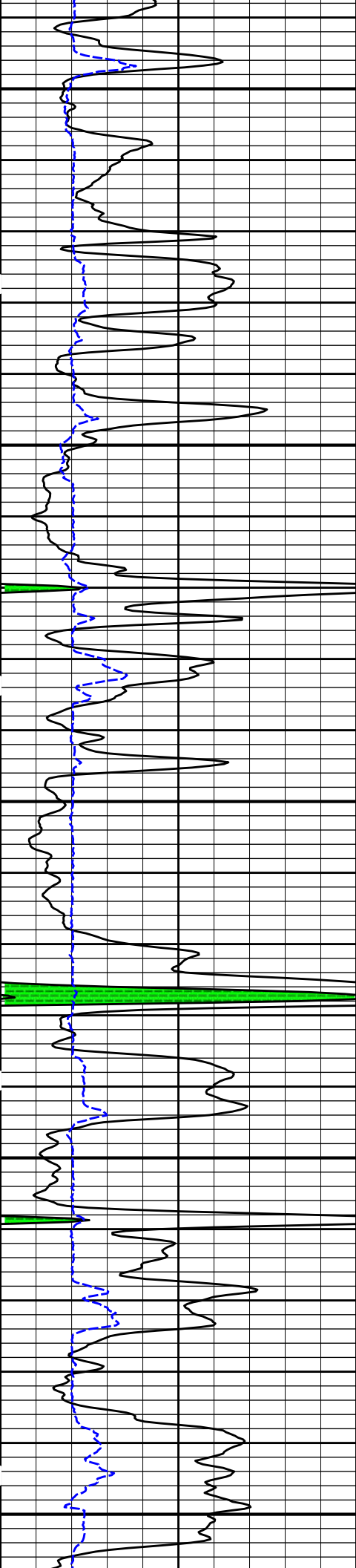




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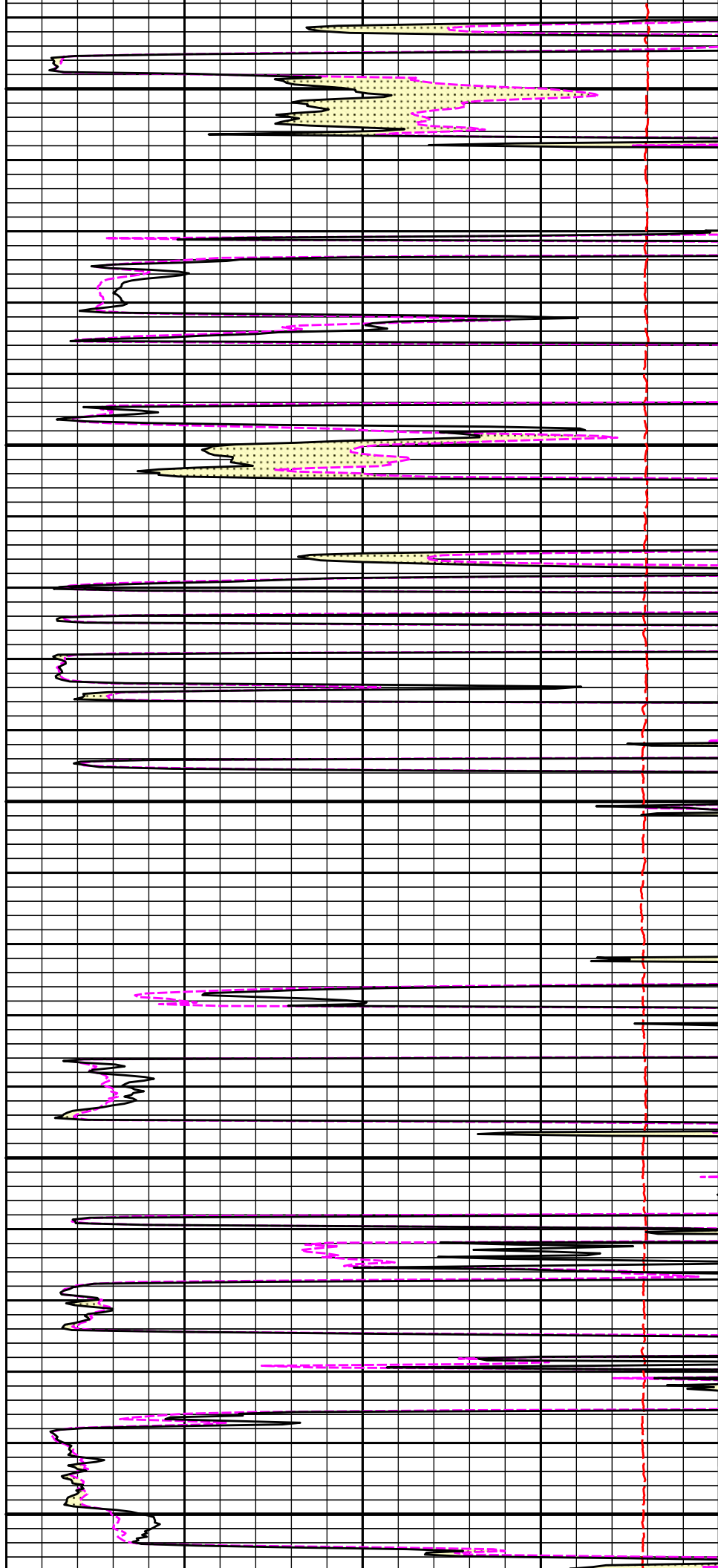


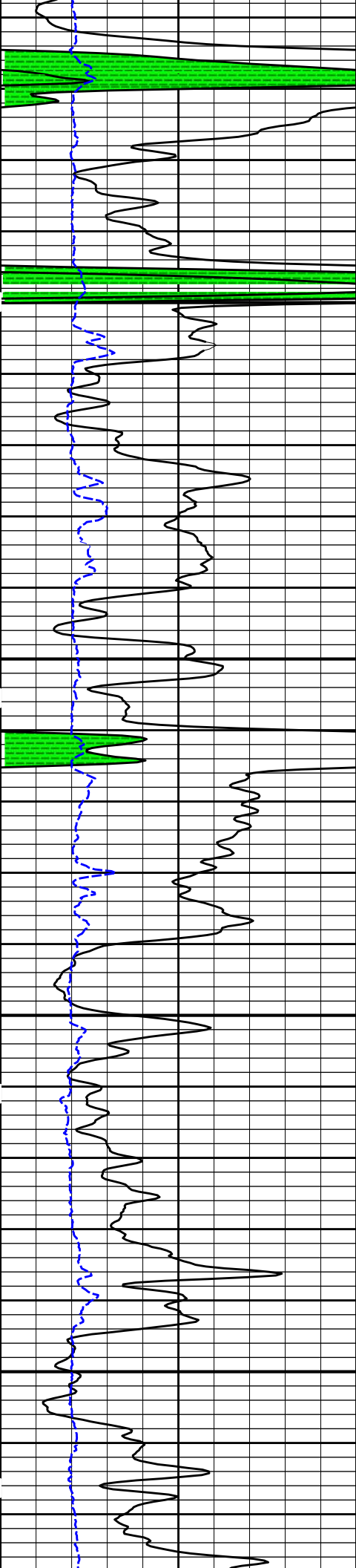


4000

4100

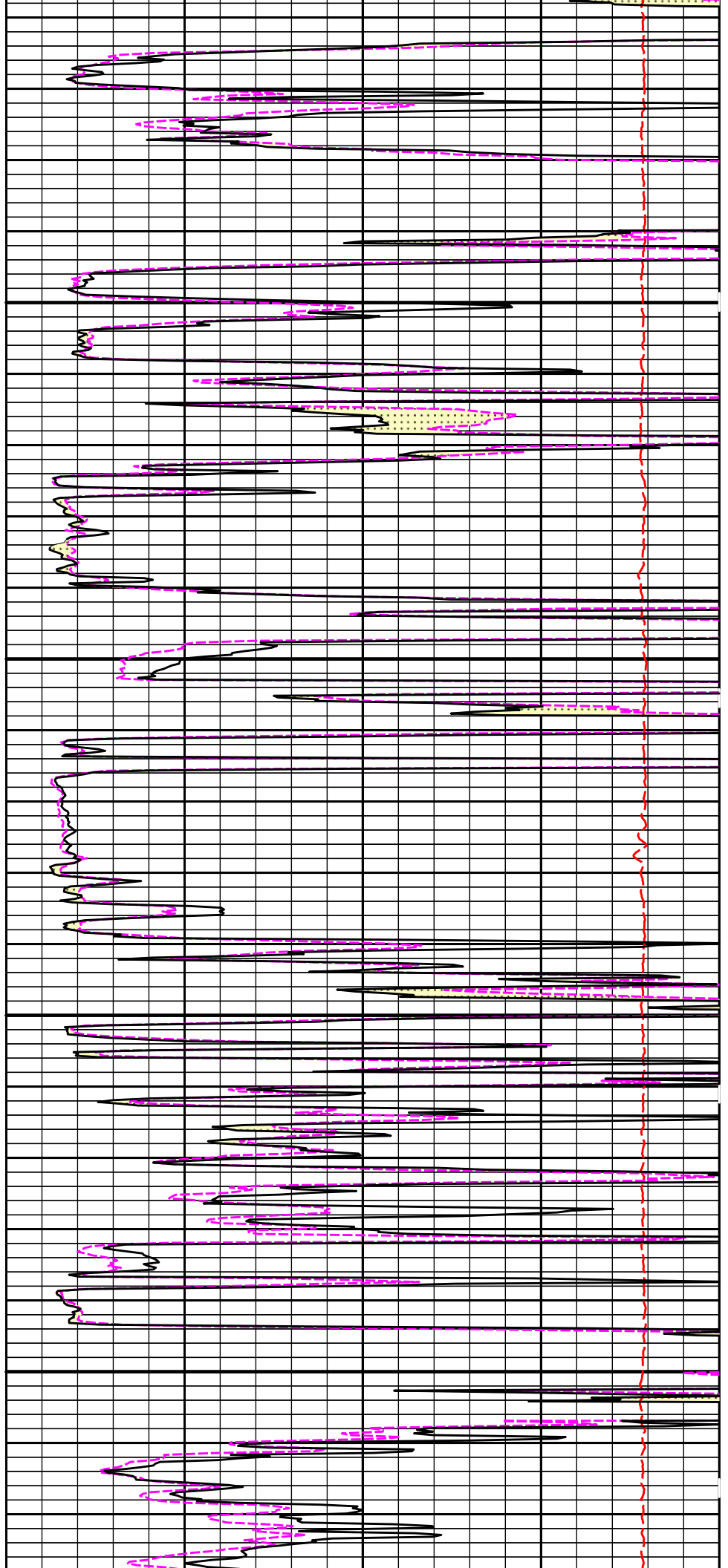
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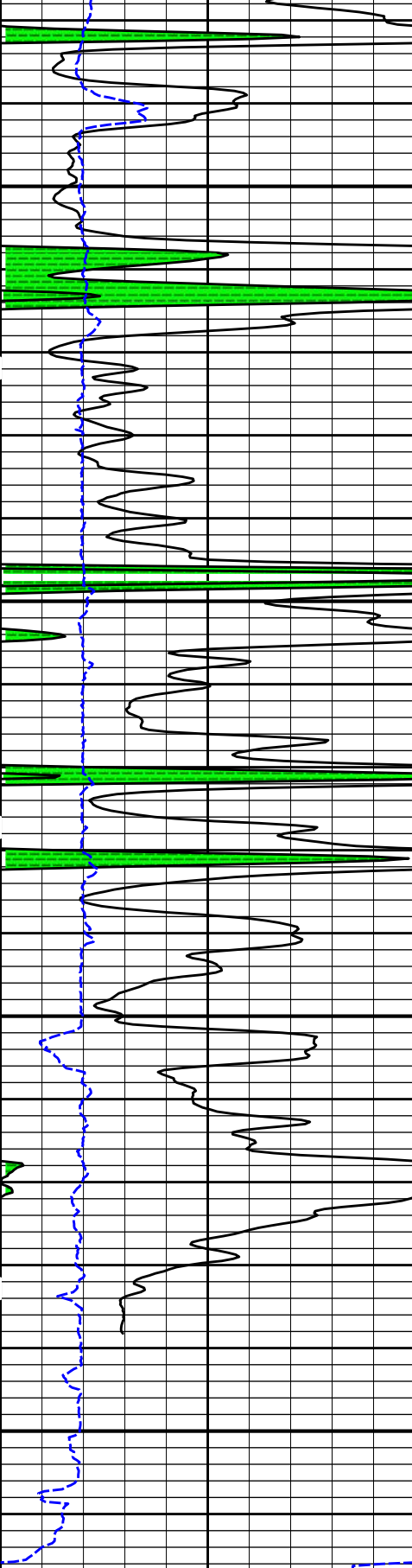




4300

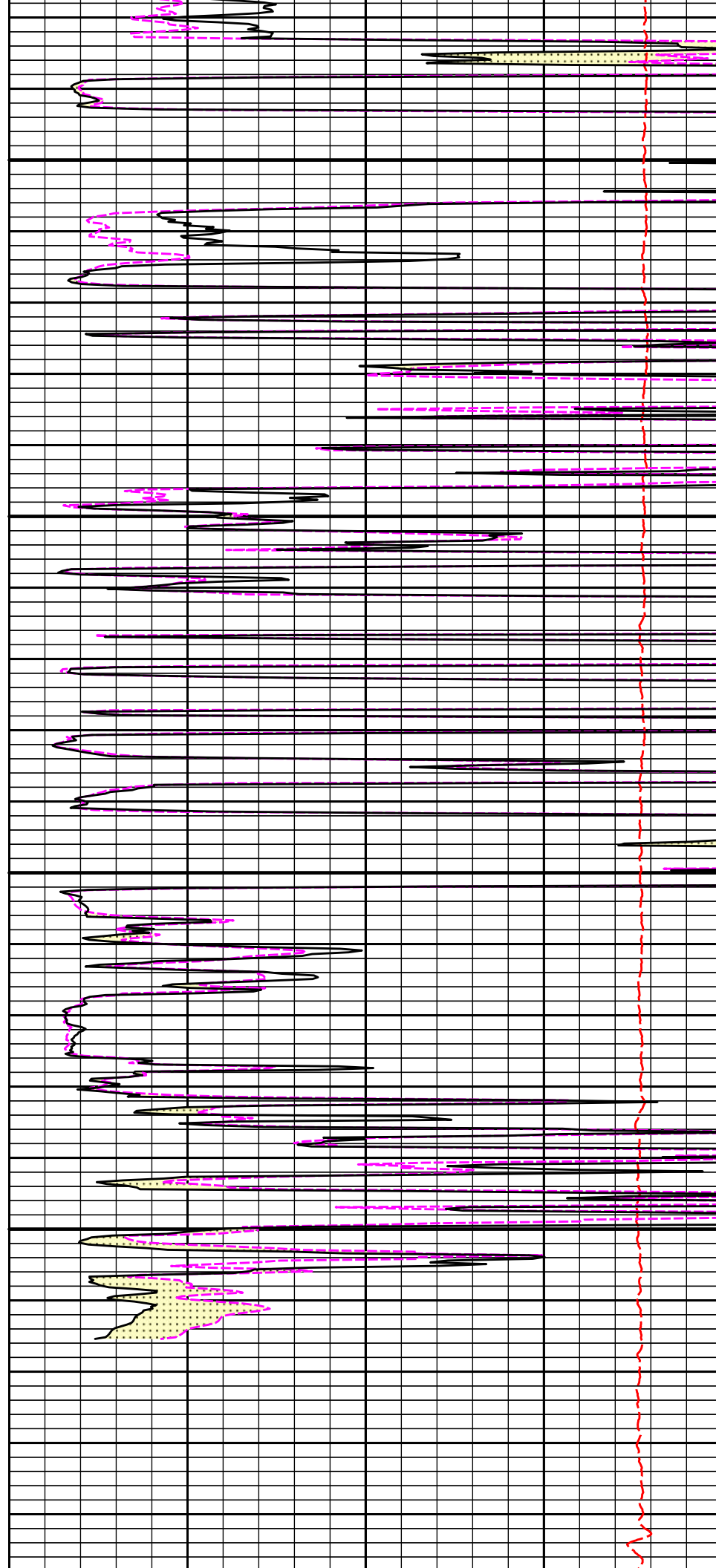
4400





4500

4600



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

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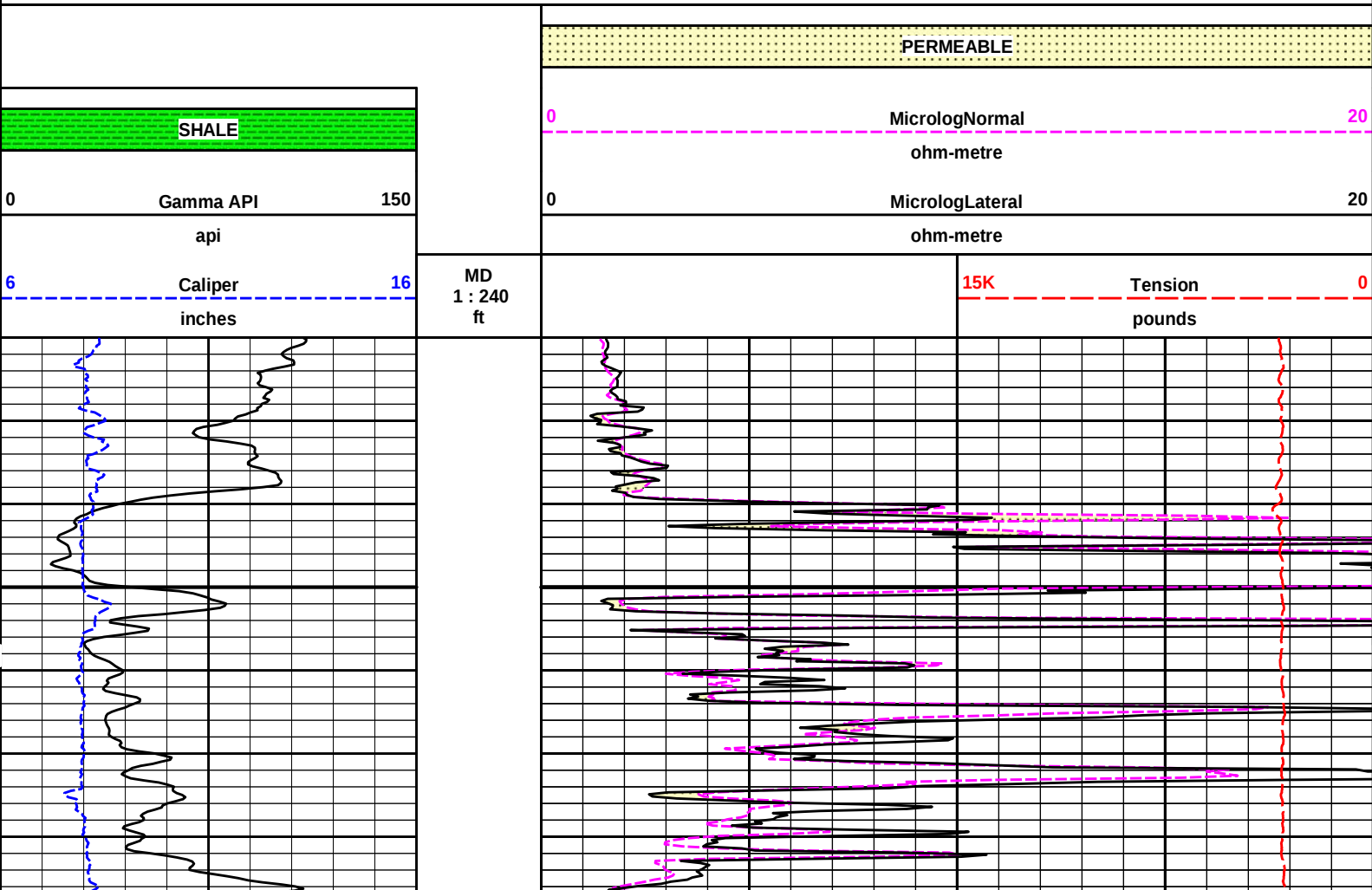
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Plot Range: 3498 ft to 4660.83 ft
Data: B.BROTHERS_1-18\Well Based\DETAIL\
Plot File: \\LOCAL-IB.BROTHERS_1-18\Well Based\MICROLOG\Microlog_IQ_5_main_lib

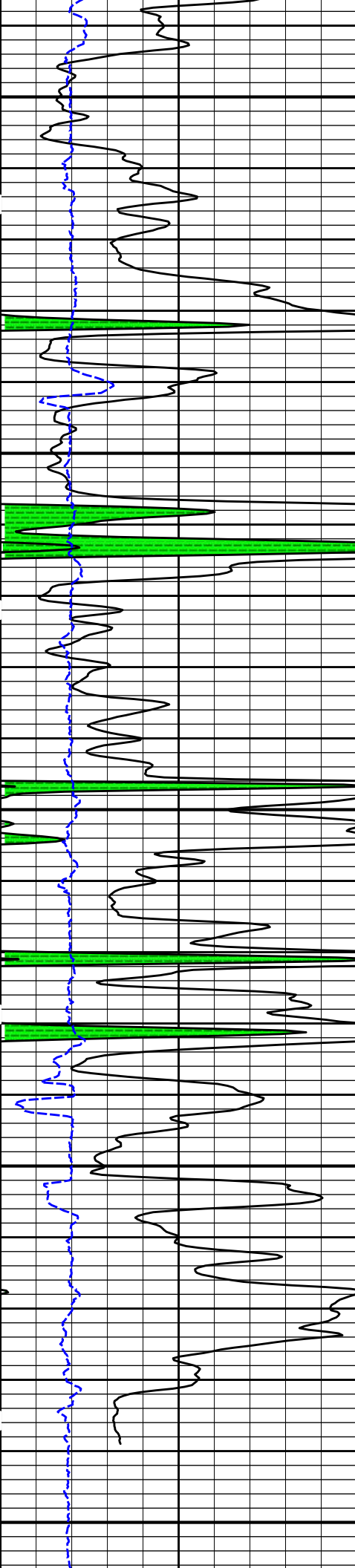
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 23-Jan-15 12:31:29
Plot Range: 4320 ft to 4661.5 ft
Data: B.BROTHERS_1-18\Well Based\REPEAT\
Plot File: \\LOCAL-IB.BROTHERS_1-18\Well Based\MICROLOG\Microlog_IQ_5_rep_lib

REPEAT SECTION

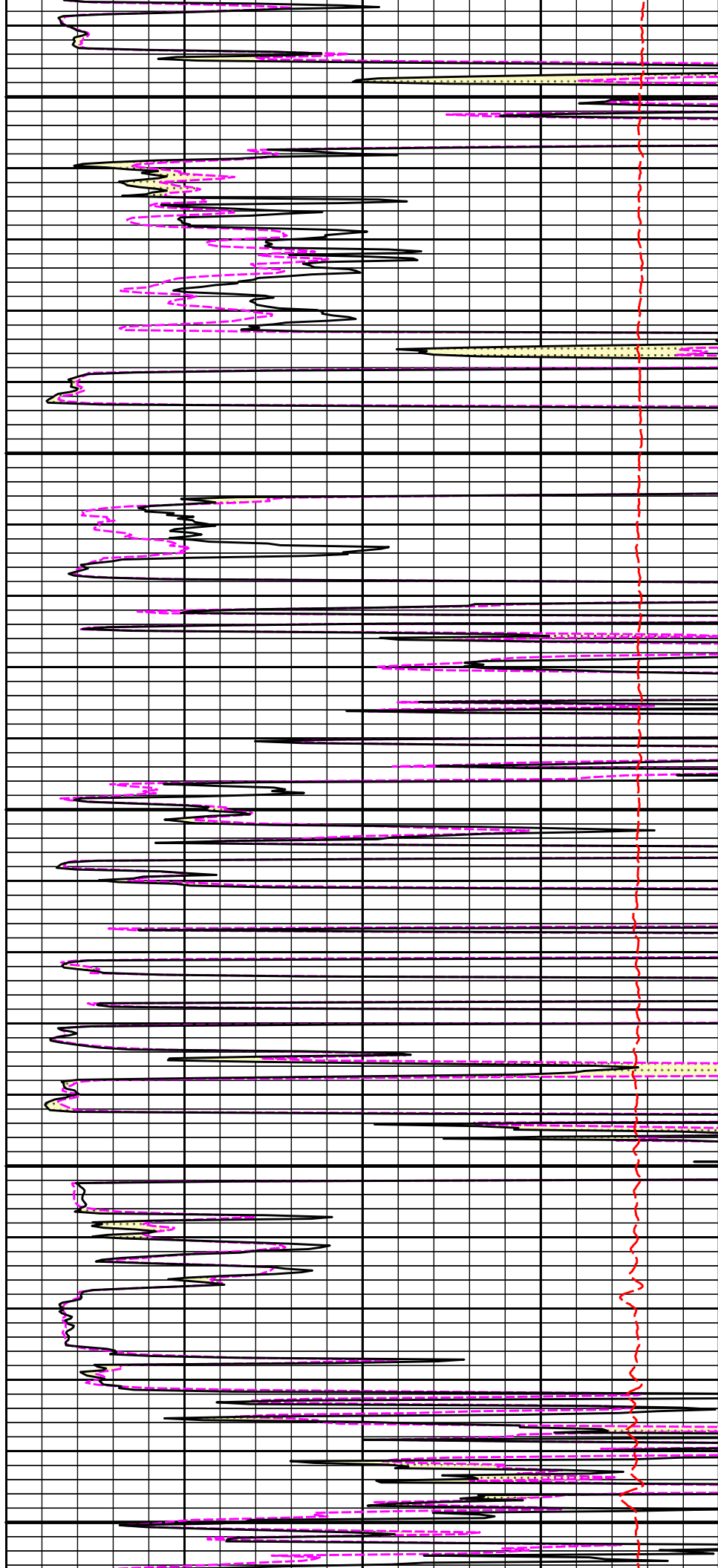


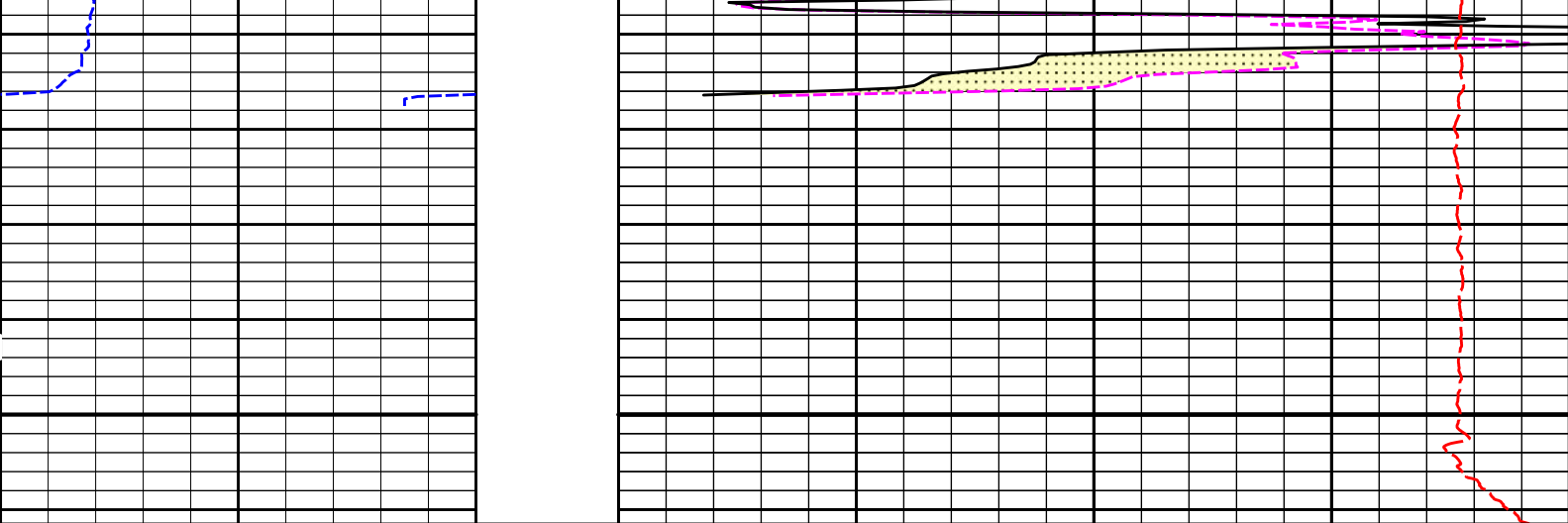


4400

4500

4600





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

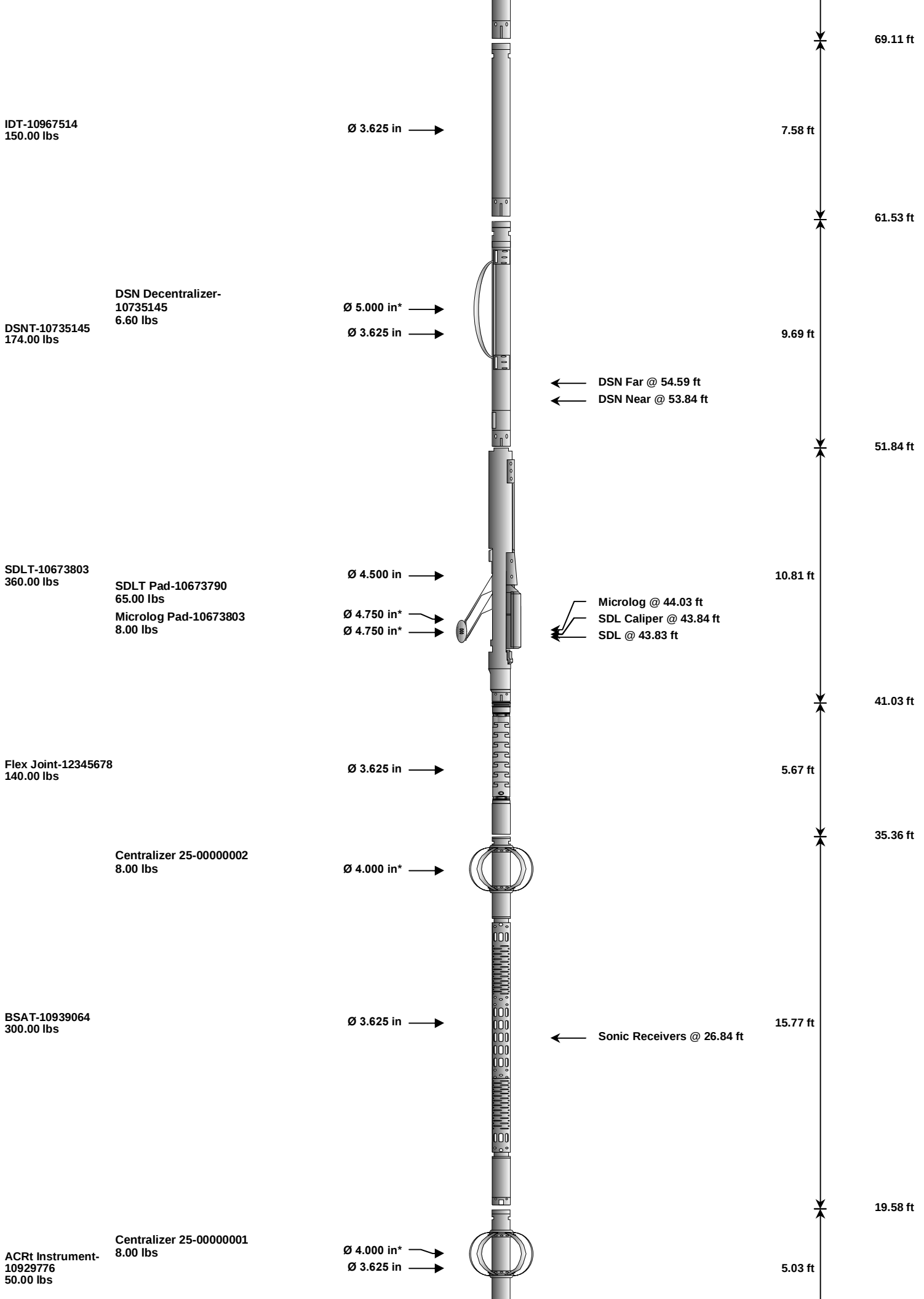
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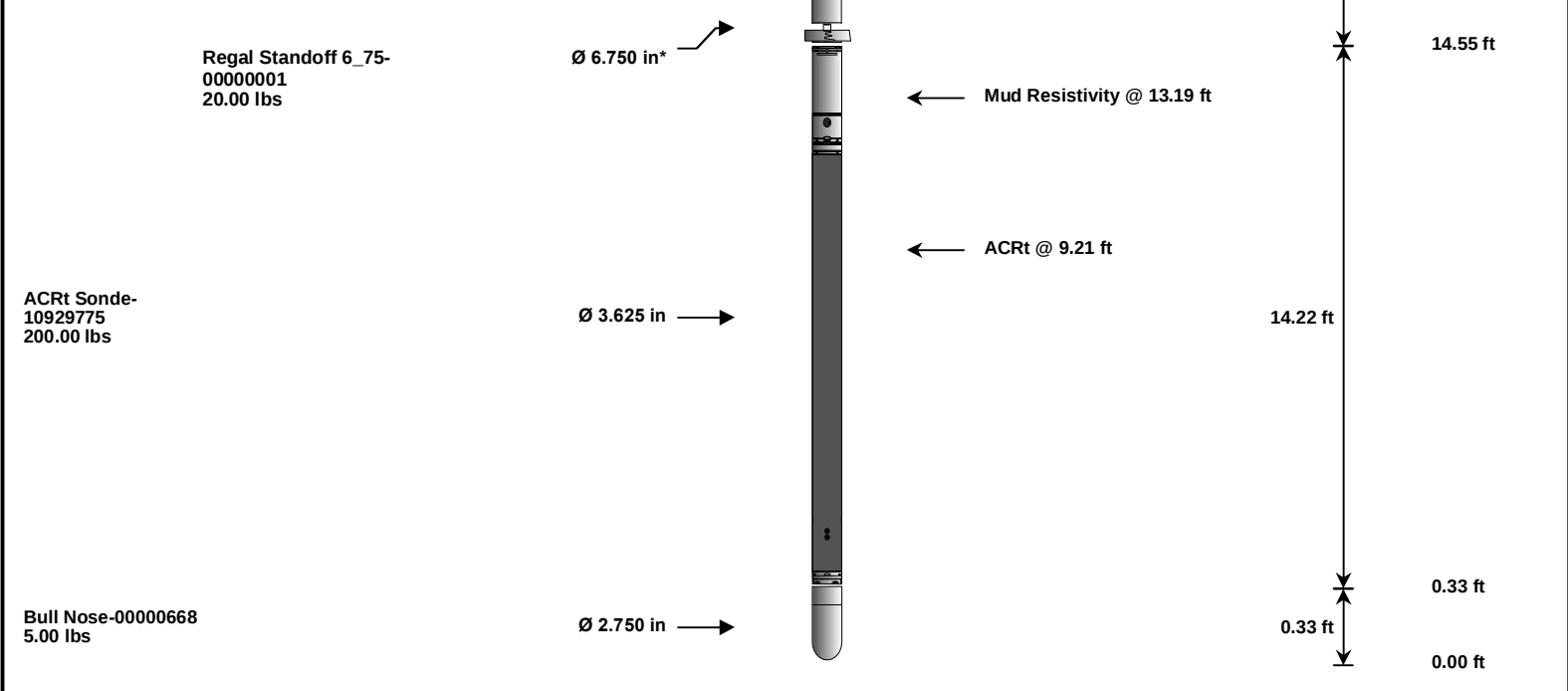
REPEAT SECTION

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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 @ 83.94 ft ← BH Temperature @ 83.37 ft	6.25 ft	87.62 ft	
SP Sub-12345678 60.00 lbs		Ø 3.625 in →		← SP @ 79.59 ft	3.74 ft	81.37 ft	
							77.63 ft
GTET-10811258 165.00 lbs		Ø 3.625 in →		← GammaRay @ 71.57 ft	8.52 ft		





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	81.37	300.00	
SP	SP Sub		12345678	60.00	3.74	77.63	300.00	
GTET	Gamma Telemetry Tool		10811258	165.00	8.52	69.11	60.00	
IDT	Insite Directional Tool		10967514	150.00	7.58	61.53	60.00	
DSNT	Dual Spaced Neutron		10735145	174.00	9.69	51.84	60.00	
DCNT	DSN Decentralizer		10735145	6.60	5.13	*	55.17	300.00
SDLT	Spectral Density Tool		10673803	360.00	10.81	41.03	60.00	
SDLP	Density Insite Pad		10673790	65.00	2.55	*	43.24	60.00
MICP	Microlog Pad		10673803	8.00	1.00	*	43.53	60.00
FLEX	Flex Joint		12345678	140.00	5.67	35.36	300.00	
BSAT	Borehole Sonic Array Tool		10939064	300.00	15.77	19.58	60.00	
OBCEN	Centralizer - 25 in. Overbody		00000002	8.00	2.08	*	32.89	300.00
ACRt	Array Compensated True Resistivity Instrument Section		10929776	50.00	5.03	14.55	120.00	
OBCEN	Centralizer - 25 in. Overbody		00000001	8.00	2.08	*	16.57	300.00
ACRt	Array Compensated True Resistivity Sonde Section		10929775	200.00	14.22	0.33	120.00	
RSOF	Regal Standoff 6.75in		00000001	20.00	0.52	*	14.53	300.00
BLNS	Bull Nose		00000668	5.00	0.33	0.00	300.00	
Total				1,854.60	87.62			
* Not included in Total Length and Length Accumulation.								
Data: B.BROTHERS_1-18\0001 SP-GTET-IDT-DSNT-SDLT-FLEX-BSAT-ACRT-BN\IDLE								
Date: 23-Jan-15 09:59:03								

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	4660.00	ft
	SHARED	BHT	Bottom Hole Temperature	125.0	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 Tool	None	

BSAT	DTM	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
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
ACRt Sonde	HRFL	High-Resistivity Version (Tar Sand Only)?	No	
BOTTOM				
Data: B.BROTHERS_1-1810001 SP-GTET-IDT-DSNT-SDLT-FLEX-BSAT-ACRT-BNIDLE				Date: 23-Jan-15 10:00:16

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 10811258	Reference Calibration Date:	22-Aug-14 14:02:06
Engineer:	SHELDON INGERSOLL	Calibration Date:	03-Oct-14 18:51:39
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1
Calibrator Source S/N: TB-185			
Calibrator API Reference:228.00 api			
Equivalent Calibrator API Reference:232.0 api			
	Measurement	Measured	Calibrated Units
	Background	41.0	41.6 api
	Background + Calibrator	269.2	273.6 api
	Calibrator	228.2	232.0 api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 10811258	Reference Calibration Date:	03-Oct-14 18:51:39
Engineer:	SHELDON INGERSOLL	Calibration Date:	02-Nov-14 14:55:17
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1
Calibrator Source S/N: TB-185			
Calibrator API Reference:228.00 api			
Equivalent Calibrator API Reference:232.0 api			
	Field Verification	Shop	Field Units
	Background	41.6	44.4 api
	Background + Calibrator	273.6	272.2 api
	Calibrator	232.0	227.8 api
	Shop	Field	Difference Tolerance
	232.0	227.8	4.2 +/- 9.00

DENSITY CALIPER SHOP CALIBRATION			
Tool Name:	SDLT - 10673803	Reference Calibration Date:	17-Nov-14 10:23:04

Engineer: JORGE ORLANDO PEREZ			Calibration Date: 06-Jan-15 11:10:53	
Software Version: WL INSITE R4.4.3 (Build 6)			Calibration Version: 1	
Host Tool Name: DSNT - 10735145				
	CALIBRATION COEFFICIENTS			
	Measurement	Previous Value	New Value	Control Limit On New Value
	Pad Offset	-3053.35	-2998.86	-7000.00 - -1000.00
	Pad Gain	0.0003748	0.0003859	0.000200 - 0.000600
	Arm Offset	-4973.87	-4834.66	-5000.00 - 3000.00
	Arm Gain	0.0005142	0.0004778	0.000300 - 0.000700
	Arm Power	-0.000004974	-0.000002882	-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)	1.92	2.00	0.08	+/- 0.20
Medium Ring (in)	3.62	3.75	0.13	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.54	6.50	-0.04	+/- 0.20
Medium Ring (in)	8.37	8.25	-0.12	+/- 0.20
Large Ring (in)	15.13	15.00	-0.13	+/- 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 - 10673803		Reference Calibration Date: 06-Jan-15 11:10:53		
Engineer: JORGE ORLANDO PEREZ		Calibration Date: 19-Jan-15 10:23:27		
Software Version: WL INSITE R4.4.3 (Build 6)		Calibration Version: 1		

	MEASURED CALIPER VALUES				
	Measurement	Shop	Field	Change	Control Limit On New Value
	Pad Extension	3.75	3.81	0.06	+/- 0.10
	Ring Diameter	8.25	8.31	0.06	+/- 0.15
	PASS/FAIL SUMMARY				
	Pad Extension Check:			Passed	
	Diameter Check:			Passed	

MICRO LOG SHOP CALIBRATION				
Tool Name: Microlog Pad - 10673803		Reference Calibration Date: 17-Nov-14 10:30:27		
Engineer: JORGE ORLANDO PEREZ		Calibration Date: 06-Jan-15 11:26:31		
Software Version: WL INSITE R4.4.3 (Build 6)		Calibration Version: 1		
Host Tool Name: DSNT - 10735145				

	CALIBRATION COEFFICIENT SUMMARY		
	Measurement	Micro Log Normal	Micro Log Lateral

	Measured	Calibrated	Measured	Calibrated	Units
Tool Zero	-0.06	-0.06	0.00	-0.00	ohmm
Calibration Point #1	-0.00	0.00	0.00	0.00	ohmm
Calibration Point #2	19.95	20.00	19.96	20.00	ohmm
Internal Reference	19.95	20.00	20.01	20.04	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-0.36	2.43	V
Calibration Point #1	16.67	2.58	V
Calibration Point #2	5384.28	6995.98	V
Internal Reference	5383.33	7010.79	V

MICRO LOG FIELD CHECK			
Tool Name:	Microlog Pad - 10673803	Reference Calibration Date:	06-Jan-15 11:26:31
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	19-Jan-15 09:51:36
Software Version:	WL INSITE R4.4.3 (Build 6)	Calibration Version:	1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.06	-0.07	-0.00	-0.01	ohmm
Internal Reference	20.00	19.99	20.04	20.04	ohmm
Summary					
Signal	Shop	Field	Difference	Tolerance	
Microlog Normal	20.00	19.99	0.01	+/- 0.80	
Microlog Lateral	20.04	20.04	0.00	+/- 0.80	

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10811258						
Gamma Ray Calibrator	232.0	227.8	-----	4.2	+/- 9.00	api
SDLT-10673803						
Pad Extension	3.75	3.81	-----	-0.06	+/-0.10	in
Ring Diameter	8.25	8.31	-----	-0.06	+/-0.15	in
Microlog Pad-10673803						
MicroLog Normal	20.00	19.99	-----	0.01	+/-0.80	ohmm
MicroLog Lateral	20.04	20.04	-----	0.00	+/-0.80	ohmm
Data: B.BROTHERS_1-1810001 SP-GTET-IDT-DSNT-SDLT-FLEX-BSAT-ACRT-BNIDLE					Date: 23-Jan-15 10:02:30	

HALLIBURTON				
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	87.62	NO	
BS	Bit Size	87.62	NO	
HDIA	Measured Hole Diameter	0.00	NO	

RWCH				
DHTN	DownholeTension	0.00	BLK	0.000
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	
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 Abuse	43.66	BLK	0.000

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: B.BROTHERS_1-18\0001 SP-GTET-IDT-DSNT-SDLT-FLEX-BSAT-ACRT-BN\IDLE			Date: 23-Jan-15 10:03:27	

COMPANY	CULBREATH OIL & GAS		
WELL	BIXENMAN BROTHERS 1-18		
FIELD	WILDCAT		
COUNTY	SHERIDAN	STATE	KANSAS
HALLIBURTON		MICROLOG	