

HALLIBURTON

MICROLOG

COMPANY		OXY USA INC	
WELL		TURRENTINE A 4	
FIELD		AZAMON DITCH	
COUNTY		FINNEY	
STATE		KANSAS	
Permanent Datum	GL	Sect. 23	Twp. 30S
Log measured from	KB		Rge. 33W
Drilling measured from	KB		Elev. 2990.0 ft
Date	12-Aug-12		Elev. K.B. 3001.0 ft
Run No.	ONE		D.F. 3000.0 ft
Depth - Driller	4920.00 ft		G.L. 2990.0 ft
Depth - Logger	4906.0 ft		
Bottom - Logged Interval	4862.0 ft		
Top - Logged Interval	3700.0 ft		
Casing - Driller	8.625 in @ 1813.0 ft		
Casing - Logger	1810.0 ft		
Bit Size	7.875 in		@
Type Fluid in Hole	WATER BASED MUD		@
Density	9.6 ppg	32.00	s/qt
PH	8.50 pH	12.0	cpm
Source of Sample	FLOWLINE		
Rm @ Meas. Temperature	0.400 ohmm @ 89.00 degF		@
Rmf @ Meas. Temperature	0.36 ohmm @ 77.00 degF		@
Rmc @ Meas. Temperature	0.430 ohmm @ 77.00 degF		@
Source Rmf	MEASURED	MEASURED	
Rm @ BHT	0.35 ohmm @ 128.0 degF		@
Time Since Circulation	10.5 hr		
Time on Bottom	12-Aug-12 22:27		
Max. Rec. Temperature	128.0 degF @ 4906.0 ft		@
Equipment	10782954	LIBERAL	
Recorded By	C. HAVERKAMP		
Witnessed By	A. HOWSON		

Fold here

Service Ticket No.: 738587		API Serial No.: 15-055-22171		PGM Version: WL INSITE R3.6.0 (Build 3)	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE			RESISTIVITY SCALE CHANGES		
Date	Sample No.		Type Log	Depth	Scale Up Hole
Depth-Driller					Scale Down Hole
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
Rmf @ Meas. Temp.	@	@	ONE	MICRO	RUBBER
Rmc @ Meas. Temp.	@	@			
Source Rmf	Rmc				
Rm @ BHT	@	@			
Rmf @ BHT	@	@			
Rmc @ BHT	@	@			
EQUIPMENT DATA					
GAMMA		ACOUSTIC		DENSITY	
Run No.	ONE	Run No.		Run No.	
Serial No.	10811258	Serial No.		Serial No.	
Model No.	GTET	Model No.		Model No.	
Diameter	3.625	No. of Cent.		Diameter	
Detector Model No.	T-102	Spacing		Log Type	
Type	SCINT			Source Type	
Length	8"	LSA [Y/N]		Serial No.	
Distance to Source	10'	FWDA [Y/N]		Strength	
LOGGING DATA					
GENERAL		GAMMA		DENSITY	

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	4906'	3700'	REC	0	150									
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: SP-GTET-HFDT-DSNT-SDLT-BSAT-ACRT RAN IN COMBINATION.														
ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.														
CHLORIDES REPORTED AT 8000 MG/L.														
LCM REPORTED AT 2 LB/BBL.														
POST TOOL SURVEYS NOT PERFORMED DUE TO WELLSITE CONDITIONS.														
YOUR CREW: A. VAQUERA, B. TERRELL														
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES. LIBERAL, KS 620-624-8123														
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.														
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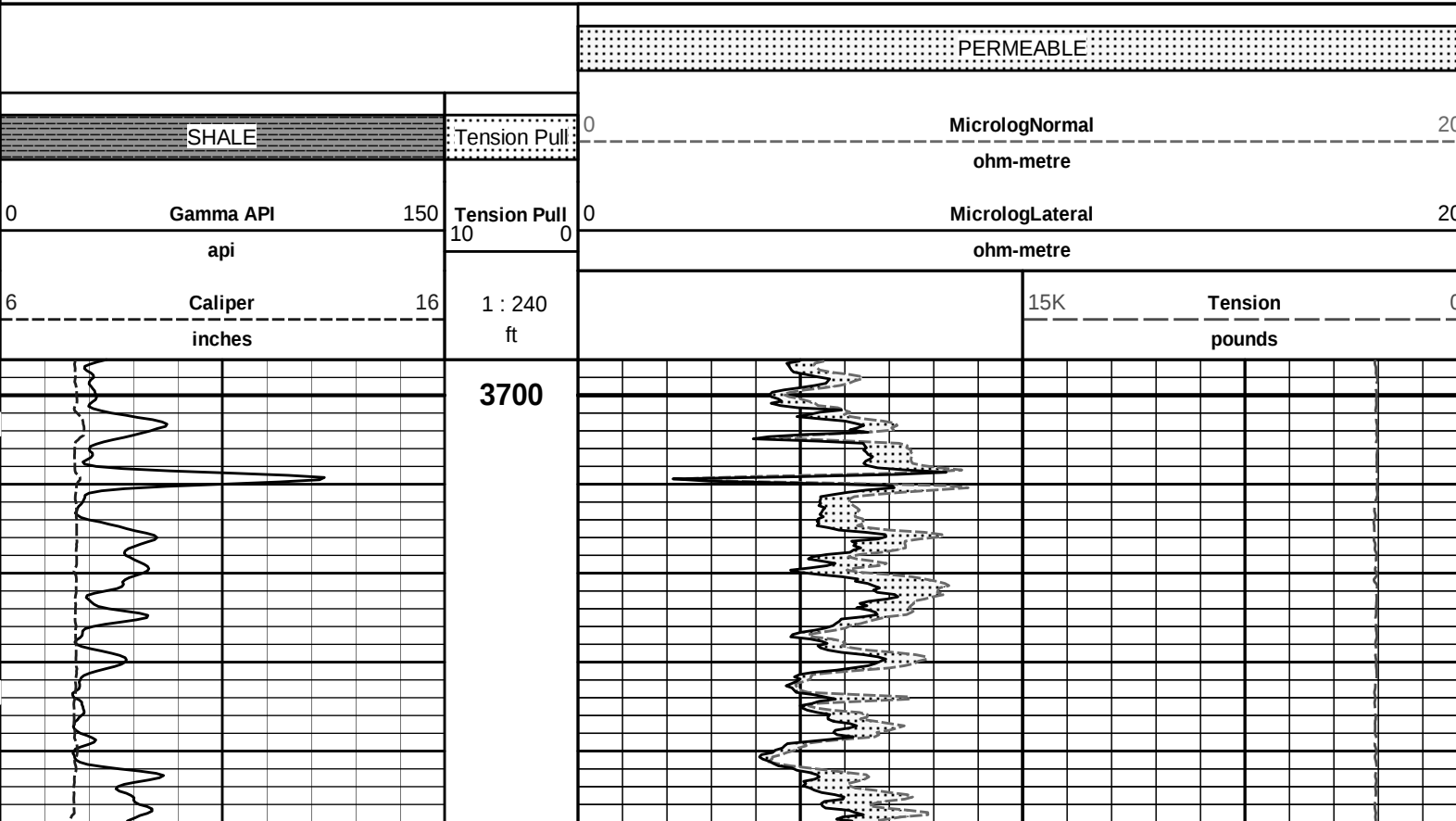
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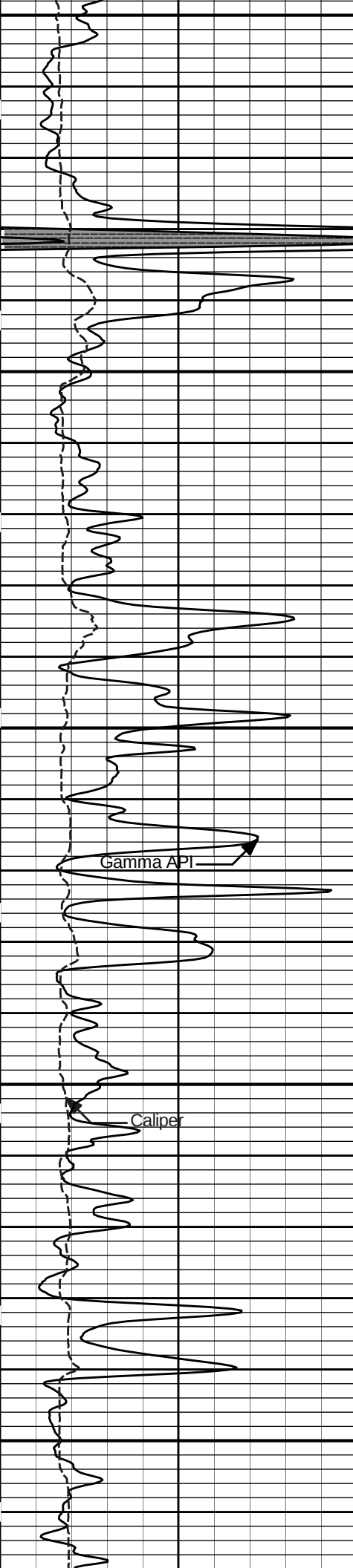
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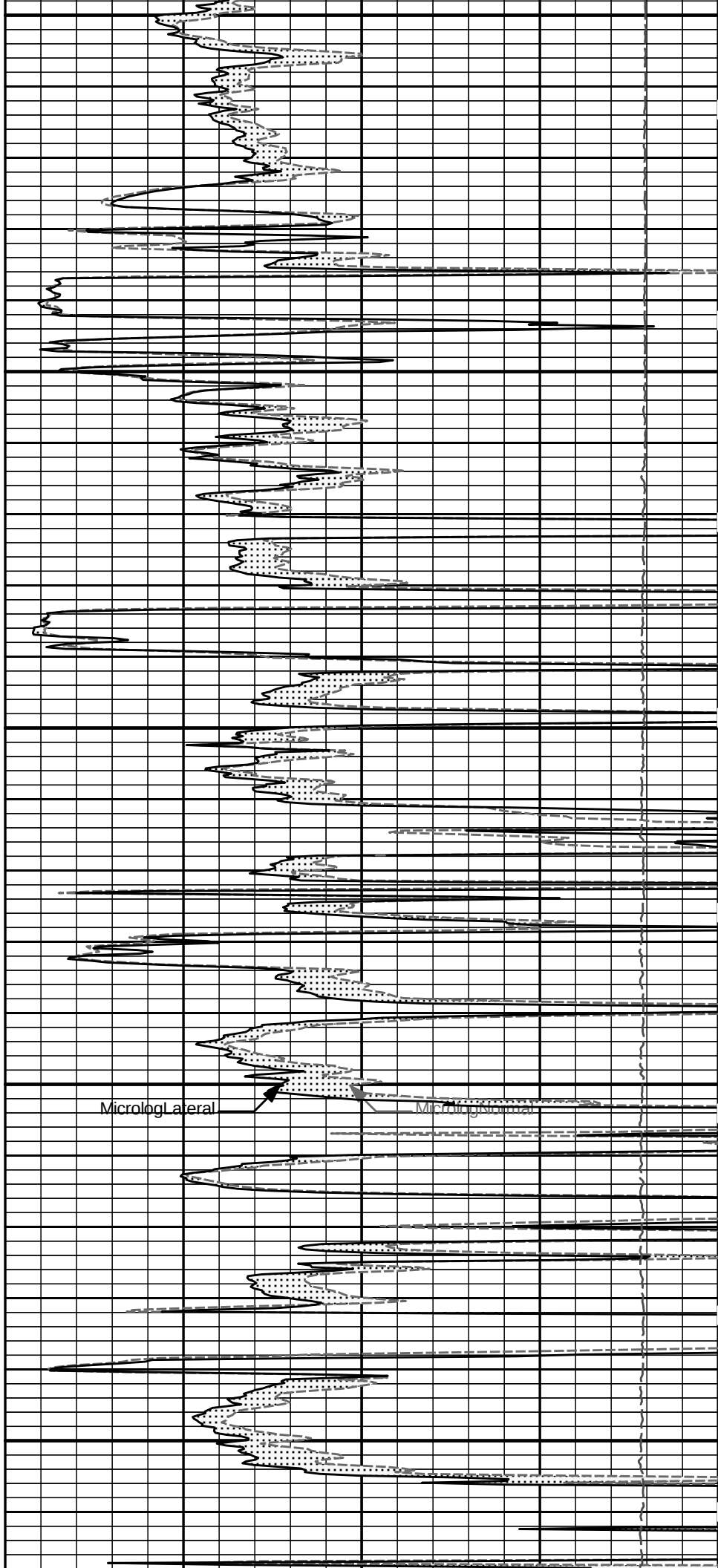
5 INCH MAIN LOG

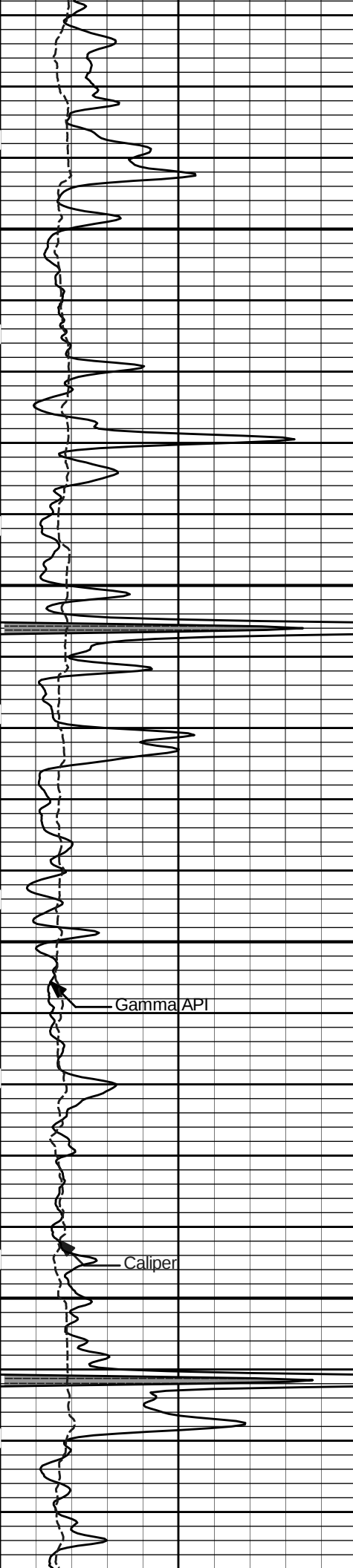




3800

3900



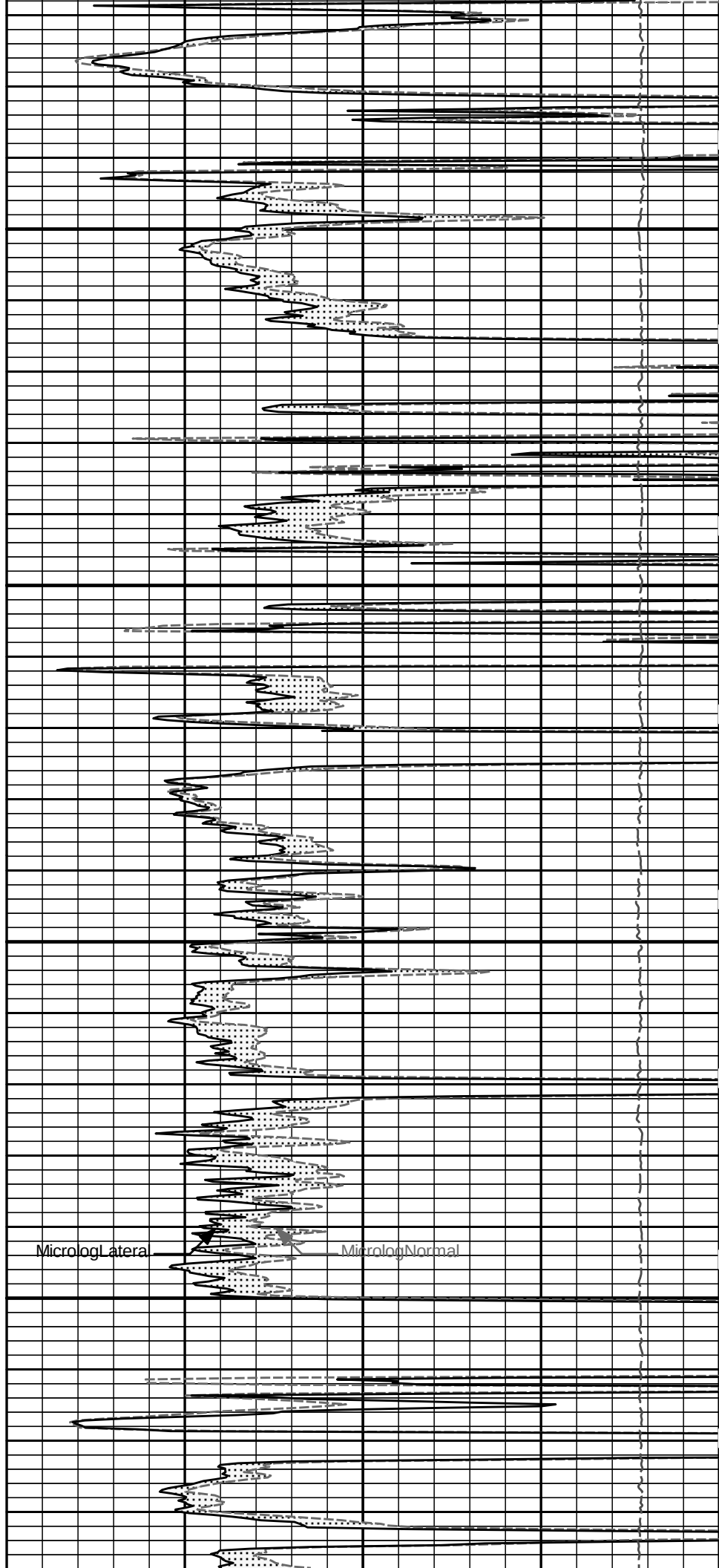


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4100

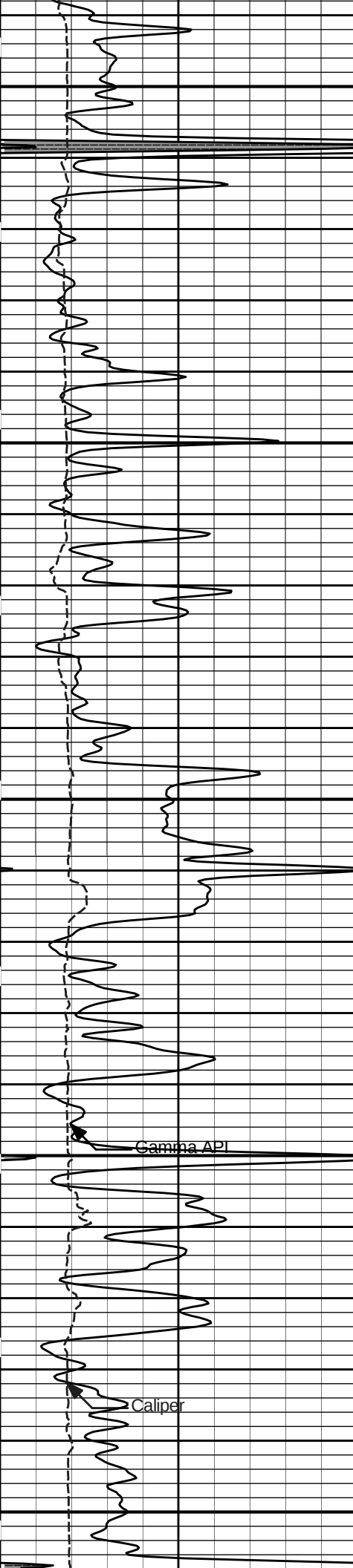
Gamma API

Caliper



Microlog Lateral

Microlog Normal



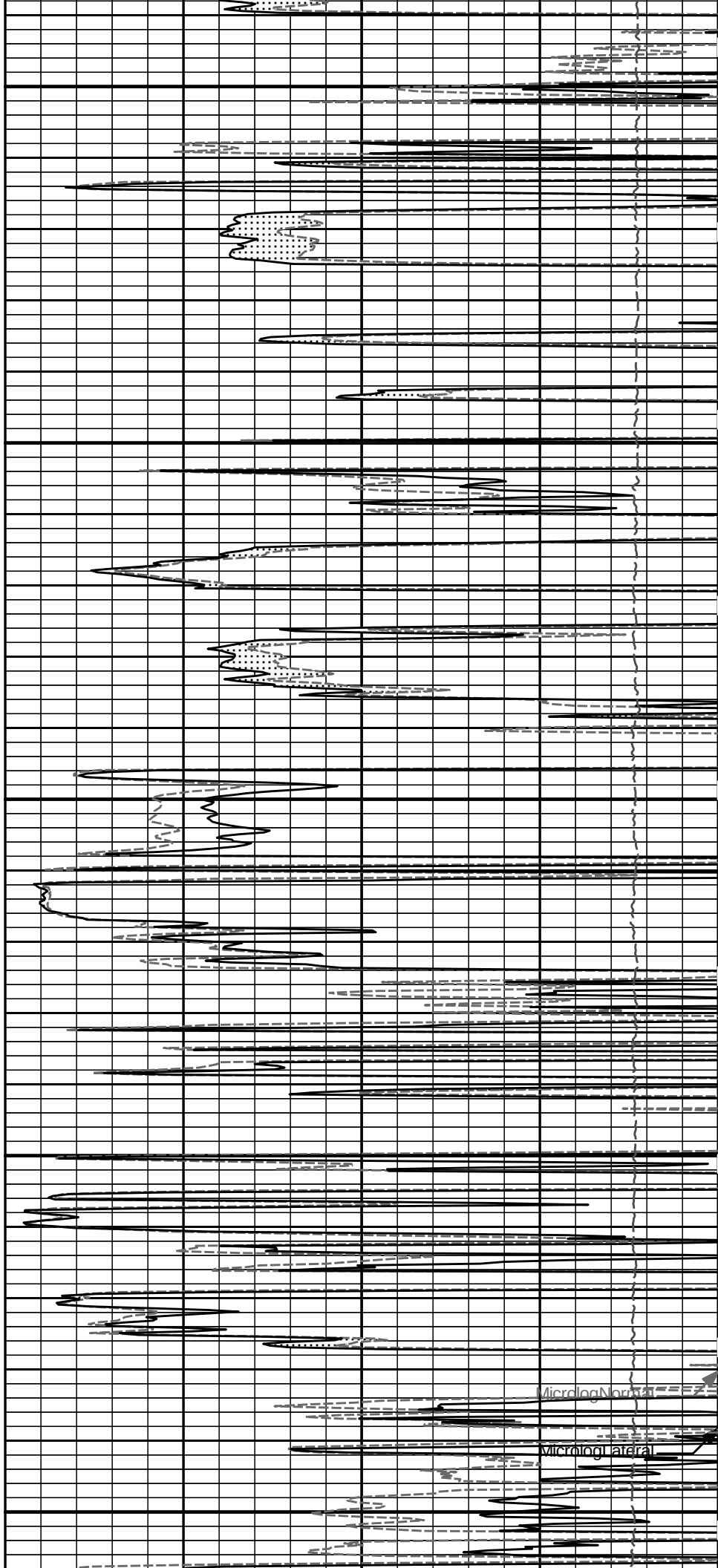
4200

4300

Gamma API

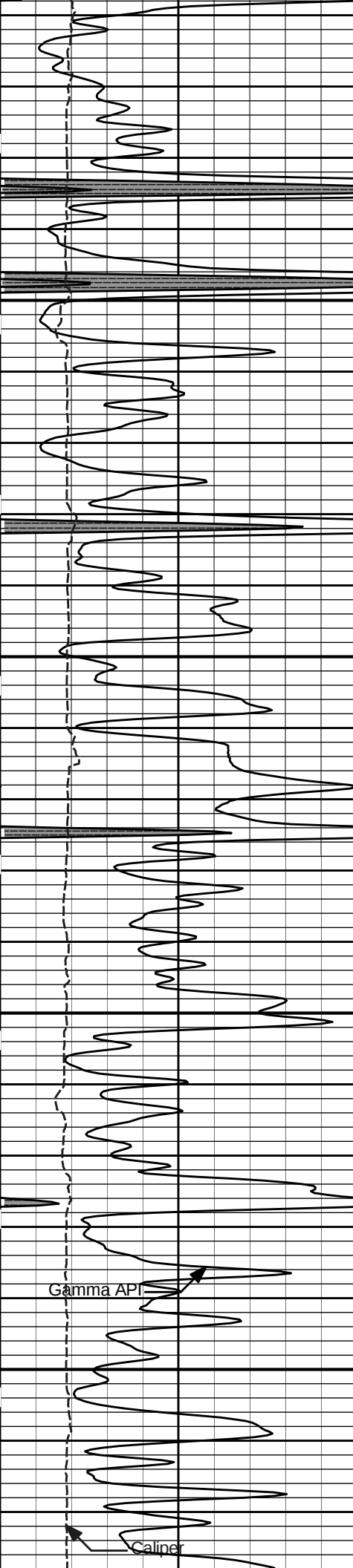
Caliper

4400



Microlog Normal

Microlog Lateral

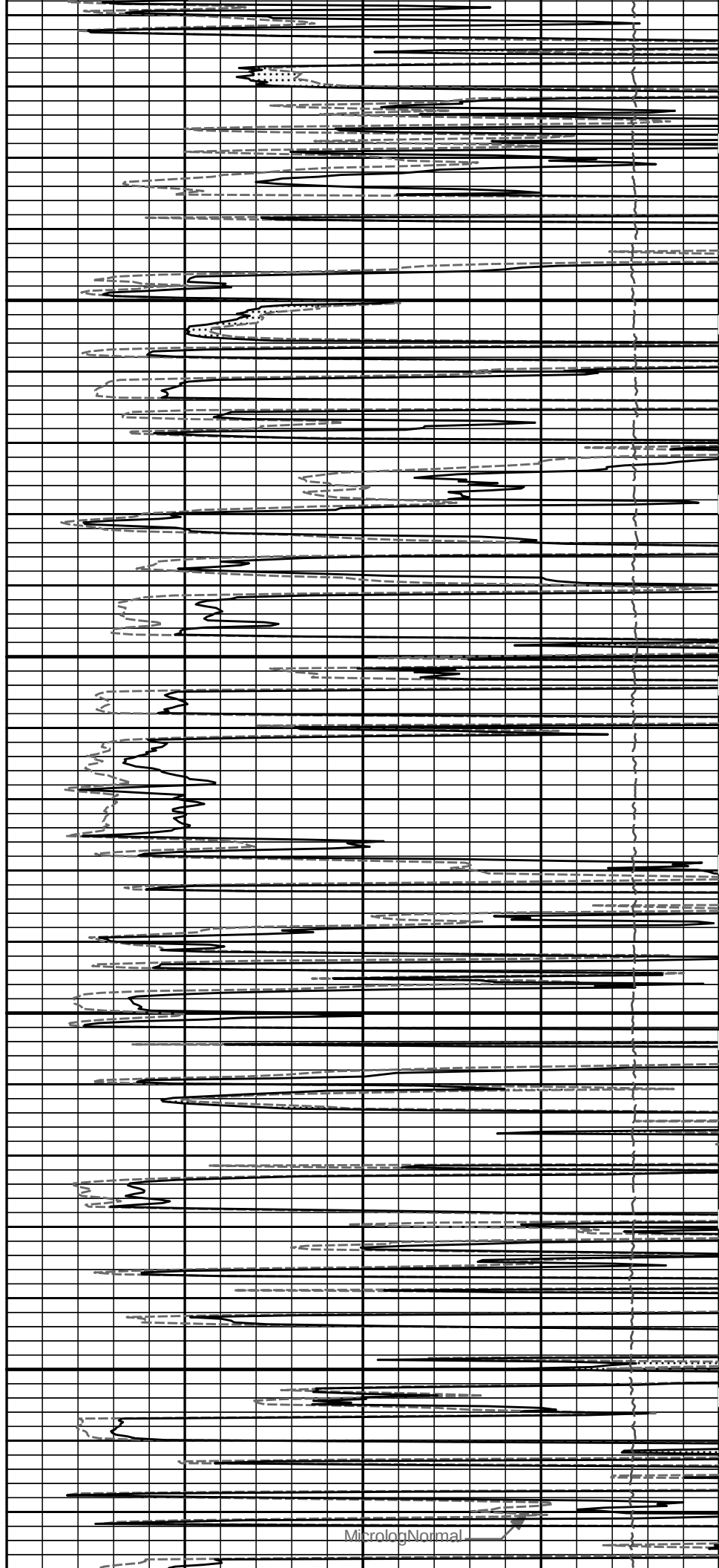


4500

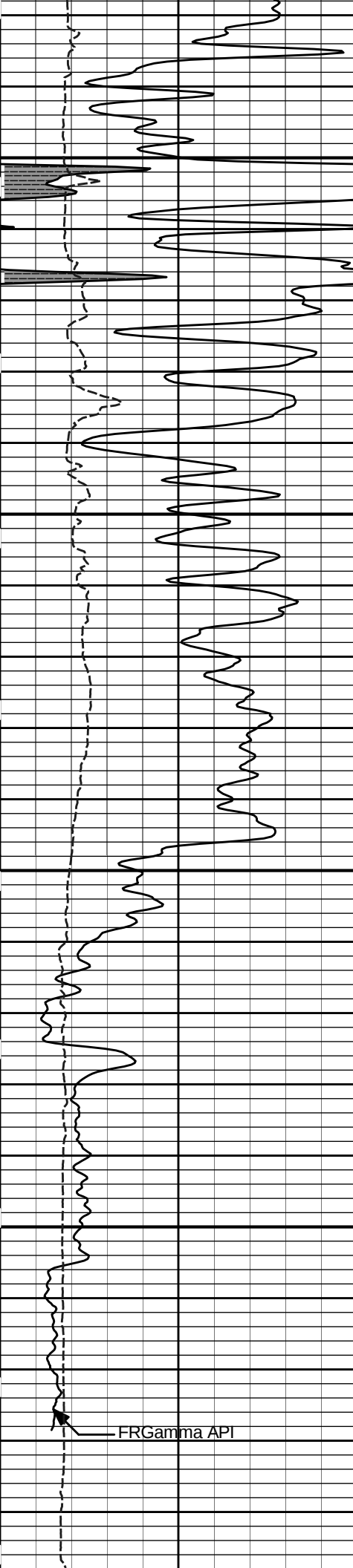
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Gamma API

Caliper

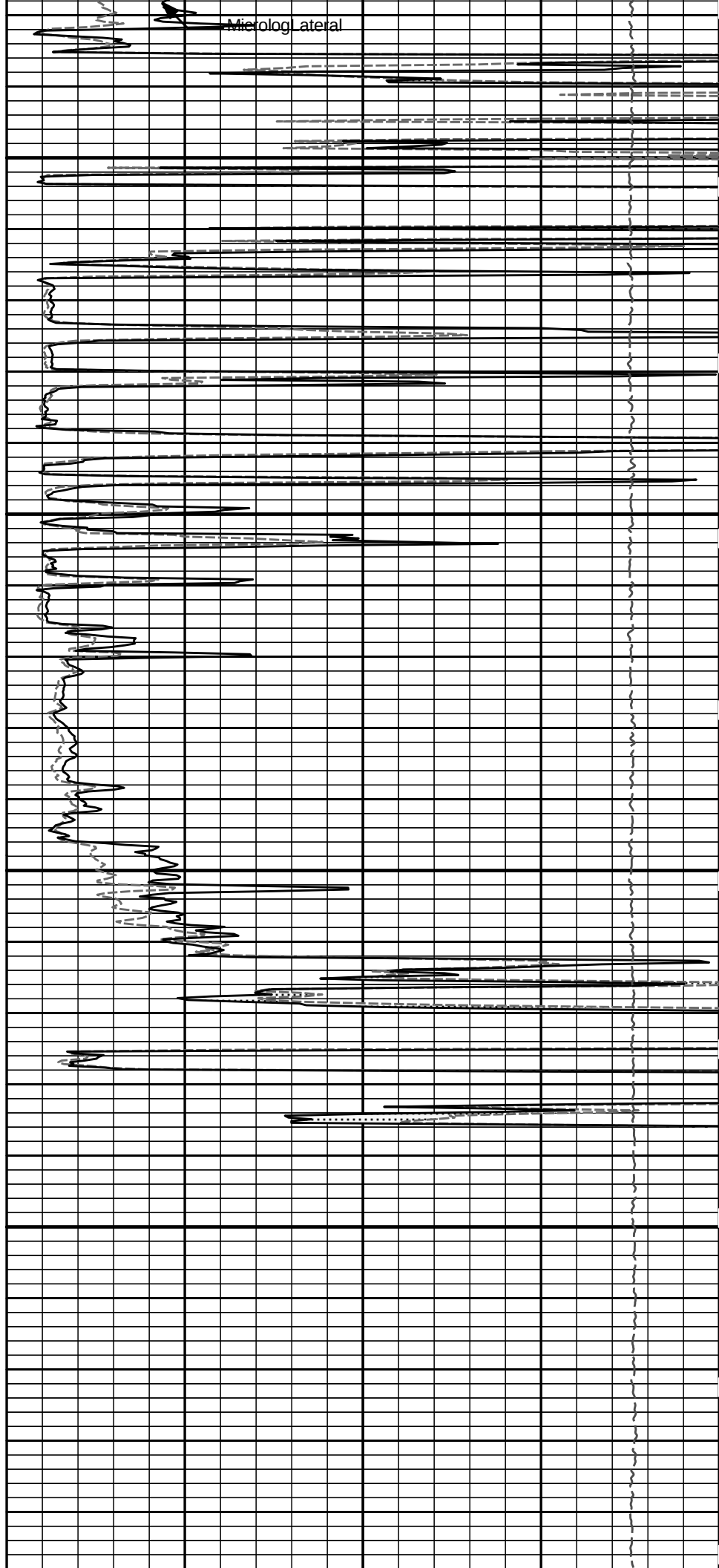


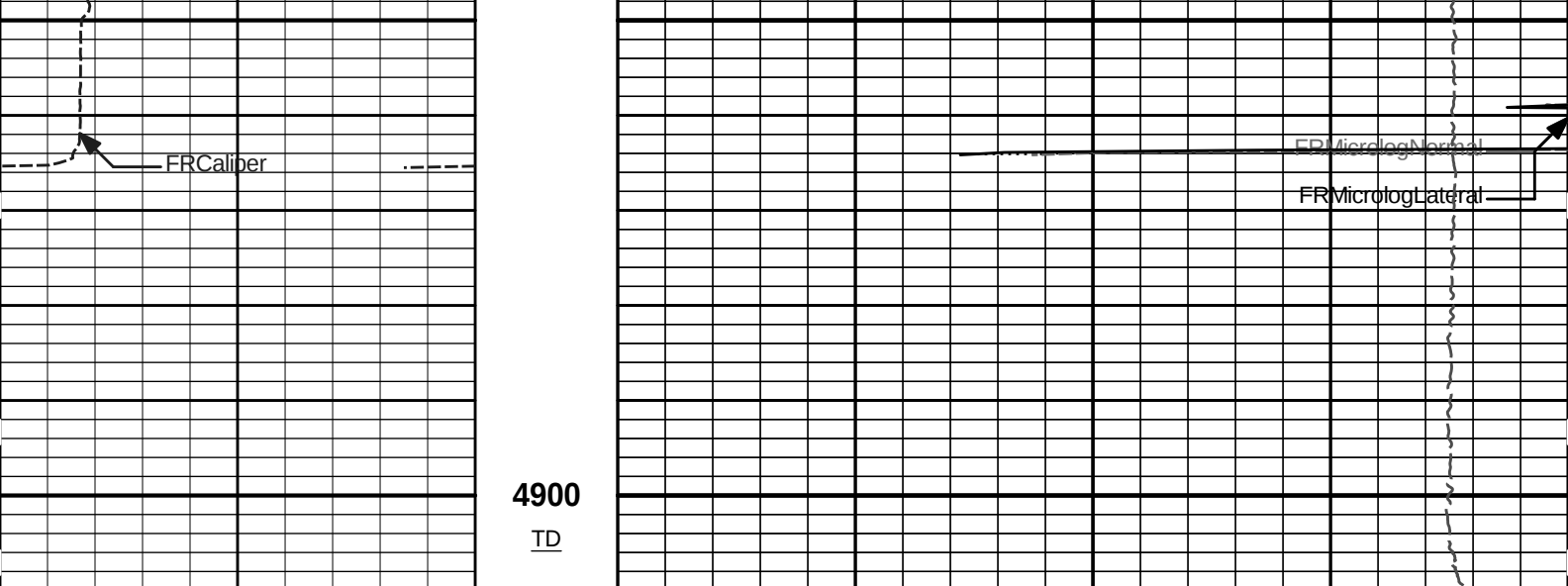
MicrologNormal



4700

4800





4900
TD

6	Caliper	16	1 : 240	15K	Tension	0
	inches		ft		pounds	
0	Gamma API	150	Tension Pull	0	MicrologLateral	20
	api		10 0		ohm-metre	
	SHALE		Tension Pull	0	MicrologNormal	20
					ohm-metre	
					PERMEABLE	

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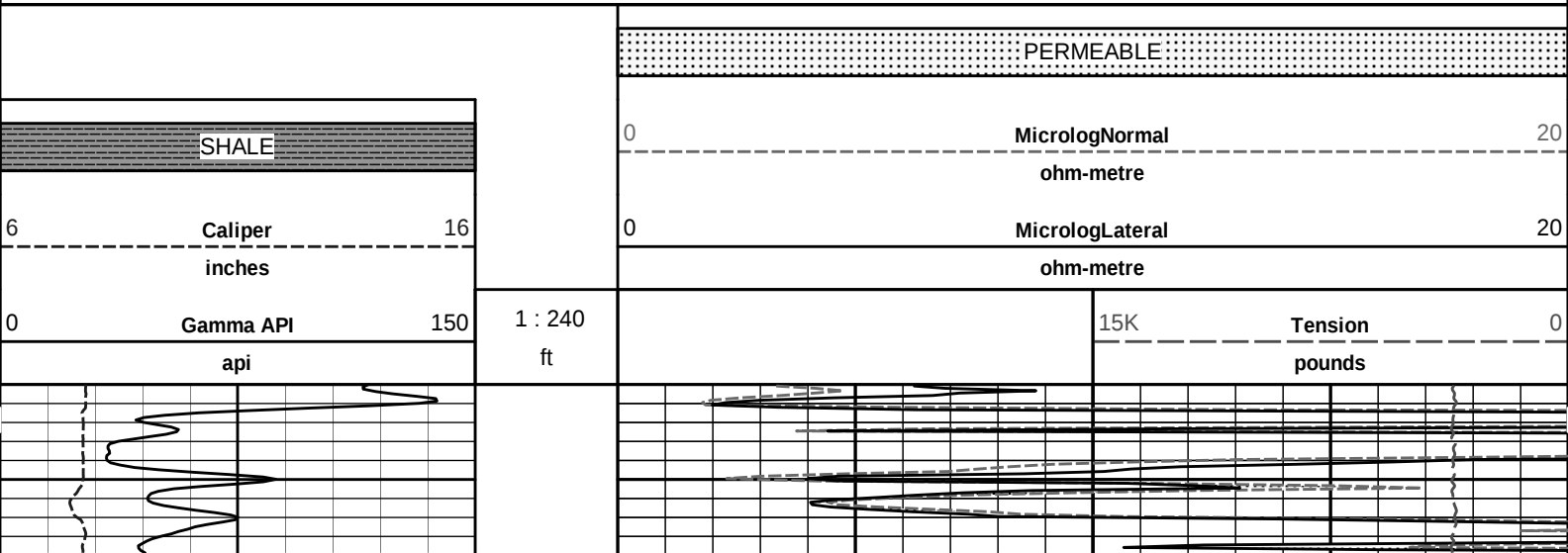
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Plot Range: 3696 ft to 4909.83 ft
Data: TURRENTINE_A4\Well Based\IR1_DETAIL\
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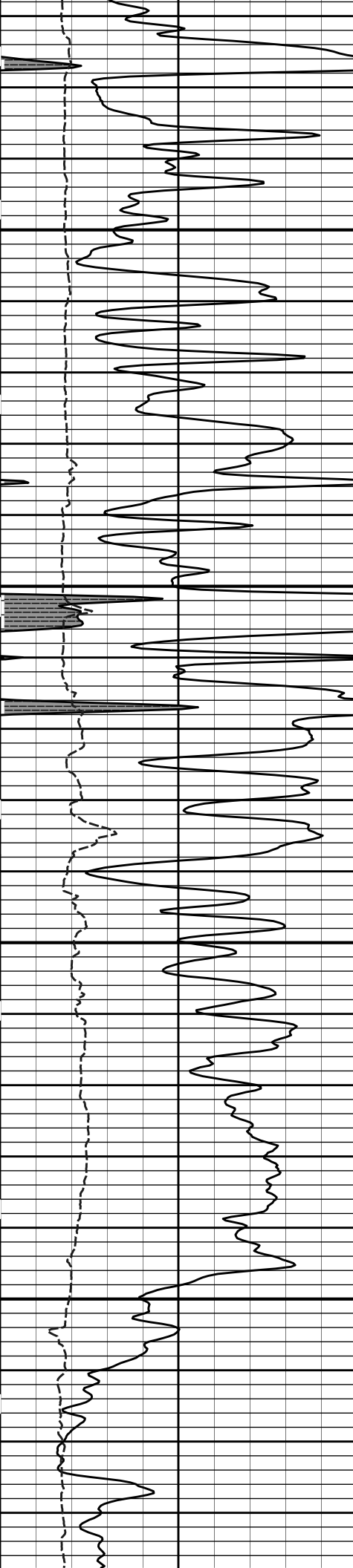
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 13-Aug-12 01:17:29
Plot Range: 4550 ft to 4909.42 ft
Data: TURRENTINE_A4\Well Based\IR1_REPEAT\
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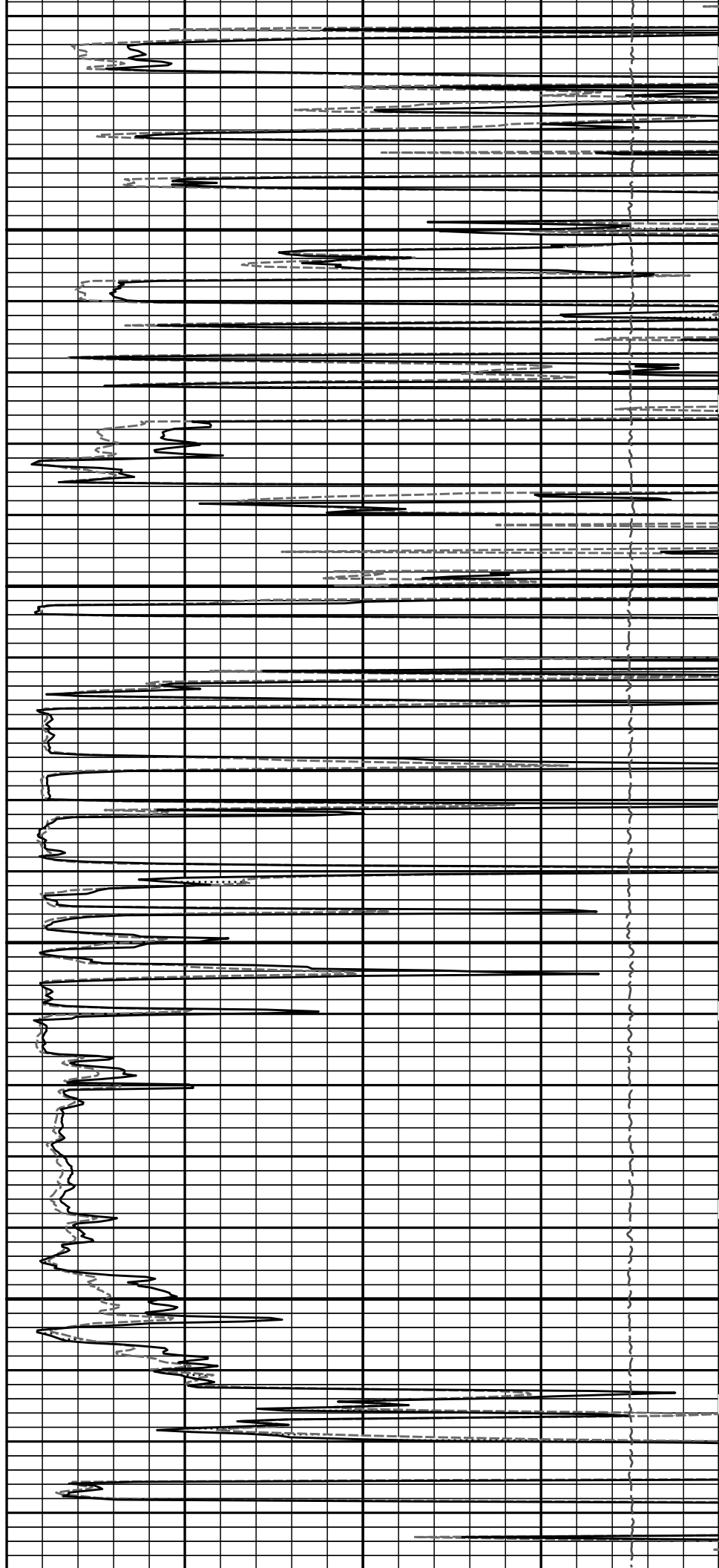
REPEAT SECTION

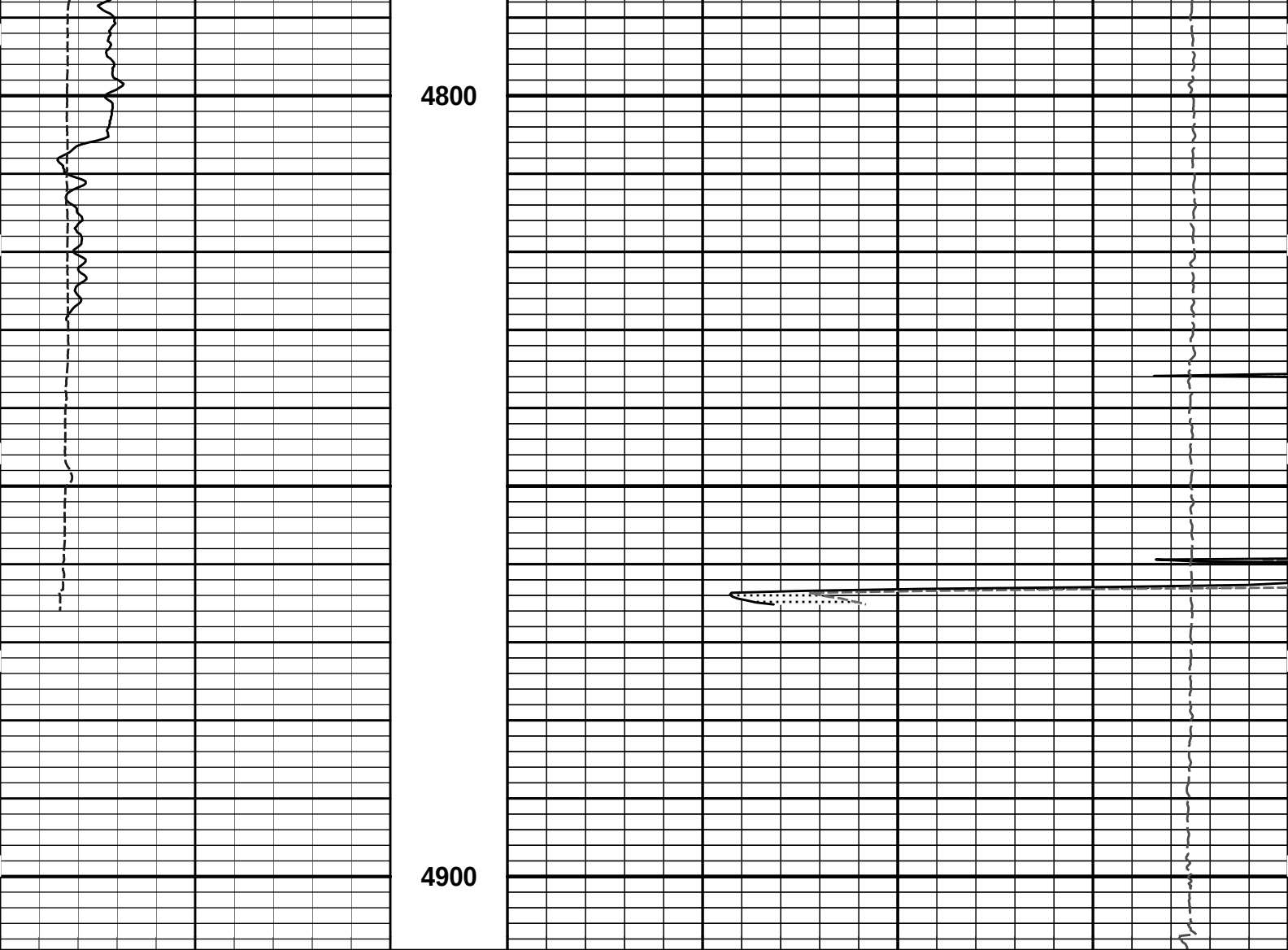




4600

4700





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

HALLIBURTON

Plot Time: 13-Aug-12 01:17:33

Plot Range: 4550 ft to 4909.42 ft

Data: TURRENTINE_A4\Well Based\IR1_REPEAT\

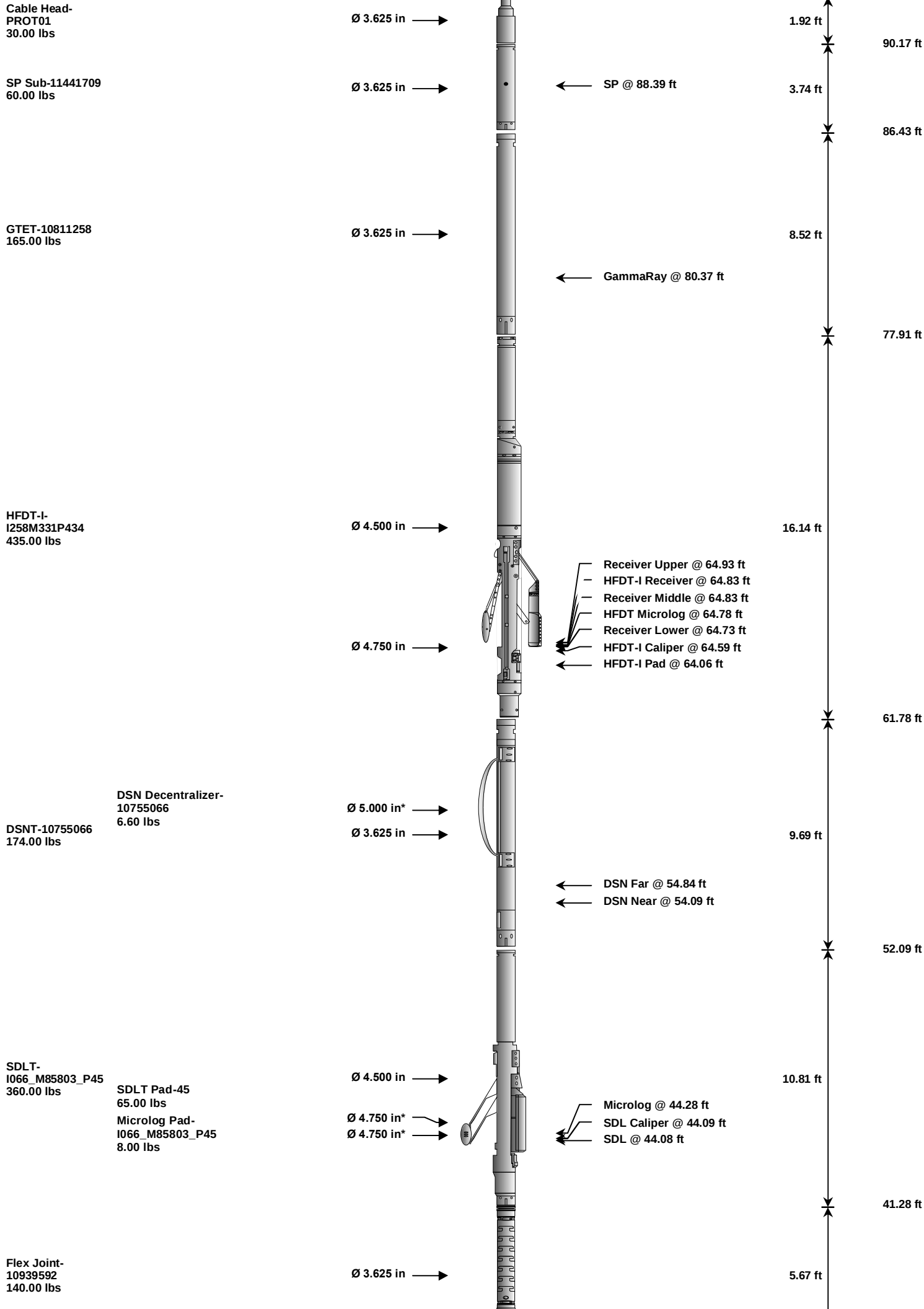
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REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
						92.09 ft



Cable Head-
PROT01
30.00 lbs

SP Sub-11441709
60.00 lbs

GTET-10811258
165.00 lbs

HFDT-I-
1258M331P434
435.00 lbs

DSN Decentralizer-
10755066
6.60 lbs
DSNT-10755066
174.00 lbs

SDLT-
I066_M85803_P45
360.00 lbs
SDLT Pad-45
65.00 lbs
Microlog Pad-
I066_M85803_P45
8.00 lbs

Flex Joint-
10939592
140.00 lbs

Ø 3.625 in →

Ø 3.625 in →

Ø 3.625 in →

Ø 4.500 in →

Ø 4.750 in →

Ø 5.000 in* →

Ø 3.625 in →

Ø 4.500 in →

Ø 4.750 in* →

Ø 4.750 in* →

Ø 3.625 in →

← SP @ 88.39 ft

← GammaRay @ 80.37 ft

Receiver Upper @ 64.93 ft
HFDT-I Receiver @ 64.83 ft
Receiver Middle @ 64.83 ft
HFDT Microlog @ 64.78 ft
Receiver Lower @ 64.73 ft
HFDT-I Caliper @ 64.59 ft
HFDT-I Pad @ 64.06 ft

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

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

1.92 ft

3.74 ft

8.52 ft

16.14 ft

9.69 ft

10.81 ft

5.67 ft

90.17 ft

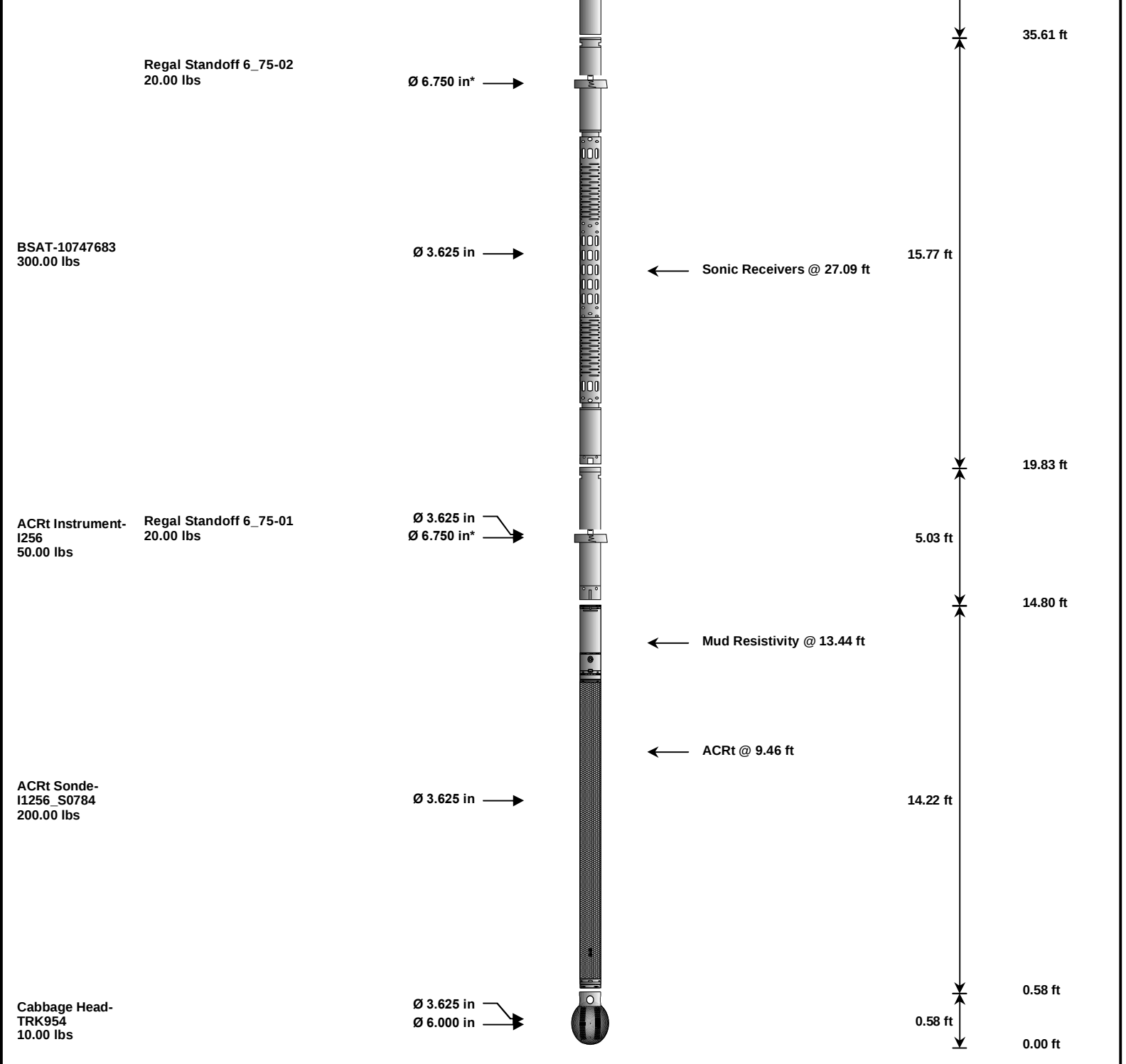
86.43 ft

77.91 ft

61.78 ft

52.09 ft

41.28 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	90.17	300.00
SP	SP Sub		11441709	60.00	3.74	86.43	300.00
GTET	Gamma Telemetry Tool		10811258	165.00	8.52	77.91	60.00
HFDT	High Frequency Dielectric Tool		I258M331P434	435.00	16.14	61.78	30.00
DSNT	Dual Spaced Neutron		10755066	174.00	9.69	52.09	60.00
DCNT	DSN Decentralizer		10755066	6.60	5.13	* 55.42	300.00
SDLT	Spectral Density Tool		I066_M85803_P45	360.00	10.81	41.28	60.00
MICP	Microlog Pad		I066_M85803_P45	8.00	1.00	* 43.78	60.00
SDLP	Density Insite Pad		45	65.00	2.55	* 43.49	60.00
FLEX	Flex Joint		10939592	140.00	5.67	35.61	300.00
BSAT	Borehole Sonic Array Tool		10747683	300.00	15.77	19.83	60.00
RSOF	Regal Standoff 6.75in		02	20.00	0.52	* 33.69	300.00
ACRt	Array Compensated True Resistivity Instrument Section		I256	50.00	5.03	14.80	300.00
RSOF	Regal Standoff 6.75in		01	20.00	0.52	* 17.02	300.00
ACRt	Array Compensated True Resistivity Sonde Section		I1256_S0784	200.00	14.22	0.58	300.00
CBHD	Cabbage Head		TRK954	10.00	0.58	0.00	300.00

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CALIBRATION REPORT

MICRO LOG SHOP CALIBRATION

Tool Name:Microlog Pad - I066_M85803_P45

Reference Calibration Date:28-Jul-12 20:13:27

Engineer:C. HAVERKAMP

Calibration Date:06-Aug-12 16:56:57

Software Version:WL INSITE R3.6.0 (Build 3)

Calibration Version:1

Host Tool Name:DSNT - 10755066

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.07	-0.10	-0.01	-0.00	ohmm
Calibration Point #1	0.03	0.00	-0.01	0.00	ohmm
Calibration Point #2	20.05	20.00	20.05	20.00	ohmm
Internal Reference	19.98	19.93	20.06	20.01	ohmm

Measurement	Micro Log Normal Tool Value		Micro Log Lateral Tool Value		Units
Tool Zero	0.92		0.19		V
Calibration Point #1	28.11		0.63		V
Calibration Point #2	5348.31		6937.82		V
Internal Reference	5329.49		6940.80		V

MICRO LOG FIELD CHECK

Tool Name:Microlog Pad - I066_M85803_P45

Reference Calibration Date:06-Aug-12 16:56:57

Engineer:C. HAVERKAMP

Calibration Date:11-Aug-12 06:01:36

Software Version:WL INSITE R3.6.0 (Build 3)

Calibration Version:1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.10	-0.10	-0.00	0.02	ohmm
Internal Reference	19.93	19.77	20.01	19.84	ohmm

Summary				
Signal	Shop	Field	Difference	Tolerance
Microlog Normal	19.93	19.77	0.16	+/- 0.80
Microlog Lateral	20.01	19.84	0.17	+/- 0.80

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
Microlog Pad-I066_M85803_P45						
MicroLog Normal	19.93	19.77	-----	0.16	+/-0.80	ohmm
MicroLog Lateral	20.01	19.84	-----	0.17	+/-0.80	ohmm

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	8000.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	0.400	ohmm
	SHARED	TRM	Temperature of Mud	89.0	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	4920.00	ft
	SHARED	BHT	Bottom Hole Temperature	120.0	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 / 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	
	HFDT-I	HFOK	Do HFDT Calculations?	Yes	
	HFDT-I	RMF	Mud Filtrate Resistivity	0.10	ohmm
	HFDT-I	RMFT	Temperature of Mud Filtrate	175.00	degF
	HFDT-I	MDIL	Matrix Dielectric Constant	4.650	
	HFDT-I	HRTC	HFDT Insite Temperature Correction Source	PADTEMP1	
	HFDT-I	CLOK	Process Caliper Outputs?	Yes	
	HFDT-I	SAO	SDL Backup Arm Offset	0.00	in
	HFDT-I	PAO	Pad Arm Offset	0.00	in
	HFDT-I	MLOK	Process MicroLog Outputs?	Yes	
	HFDT-I	MINO	Microlog Lateral Offset	0.00	ohmm
	HFDT-I	MNOO	Microlog Normal Offset	0.00	ohmm
	DSNT	DNOK	Process DSN?	Yes	
	DSNT	DEOK	Process DSN EVR?	No	
	DSNT	NLIT	Neutron Lithology	Limestone	

DSNT	NELI	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: TURRENTINE_A4I0001 SP-GTET-HFDT-DSNT-SDLT-FLEX-BSAT-ACRT-CHIDLE			Date: 12-Aug-12 21:25:18	

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	88.39	NO	
SP	Spontaneous Potential	88.39	BLK	1.250
SPR	Raw Spontaneous Potential	88.39	NO	
SPO	Spontaneous Potential Offset	88.39	NO	
GTET				
TPUL	Tension Pull	80.37	NO	
GR	Natural Gamma Ray API	80.37	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	80.37	NO	

EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	80.37	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
HFDT-I				
TPUL	Tension Pull	64.83	NO	
IUXU	HFDT Insite In-phase Component of Upper Receiver - TXUon TXLoff	64.83	NO	
QUXU	HFDT Insite Quadrature Component of Upper Receiver - TXUon TXLof	64.83	NO	
IMXU	HFDT Insite In-phase Component of Middle Receiver TXUon TXLoff	64.83	NO	
QMXU	HFDT Insite Quadrature Component of Middle Receiver TXUon TXLof	64.83	NO	
ILXU	HFDT Insite In-phase Component of Lower Receiver TXUon TXLoff	64.83	NO	
QLXU	HFDT Insite Quadrature Component of Lower Receiver TXUon TXLoff	64.83	NO	
IUXL	HFDT Insite In-phase Component of Upper Receiver TXUoff TXLon	64.83	NO	
QUXL	HFDT Insite Quadrature Component of Upper Receiver TXUoff TXLon	64.83	NO	
IMXL	HFDT Insite In-phase Component of Middle Receiver TXUoff TXLon	64.83	NO	
QMXL	HFDT Insite Quadrature Component of Middle Receiver TXUoff TXLo	64.83	NO	
ILXL	HFDT Insite In-phase Component of Lower Receiver TXUoff TXLon	64.83	NO	
QLXL	HFDT Insite Quadrature Component of Lower Receiver TXUoff TXLon	64.83	NO	
TEX1	HFDTInsite External Pad Temperature Measurement 1	64.06	NO	
TEX2	HFDTInsite External Pad Temperature Measurement 2	64.06	NO	
STAT	HFDT Insite Pad Status Word	64.83	NO	
TPUL	Tension Pull	64.59	NO	
PCAL	Pad Caliper	64.59	TRI	0.250
ACAL	Arm Caliper	64.59	TRI	0.250
TPUL	Tension Pull	64.78	NO	
MINV	Microlog Lateral	64.78	BLK	0.750
MNOR	Microlog Normal	64.78	BLK	0.750
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	
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	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: TURRENTINE_A4\0001 SP-GTET-HFDT-DSNT-SDLT-FLEX-BSAT-ACRT-CHIDLE			Date: 12-Aug-12 21:25:41	

COMPANY	OXY USA INC		
WELL	TURRENTINE A 4		
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HALLIBURTON		MICROLOG	