

HALLIBURTON

MICROLOG

COMPANY **HARTMAN OIL COMPANY, INC.**
 WELL **DAMME #41-A**
 FIELD **DAMME**
 COUNTY **FINNEY**
 STATE **KANSAS**

COMPANY **HARTMAN OIL COMPANY, INC.**
 WELL **DAMME #41-A**
 FIELD **DAMME**
 COUNTY **FINNEY**
 STATE **KANSAS**

API No. 15-055-22102
 Location 1065' FSL & 2310' FEL

Sec. 21 Twp. 22S Rge. 33W
 Elev. 2892.0 ft
 10.0 ft above perm. Datum

Other Services:
 DSN/SDL
 ACRT

Permanent Datum **GL**
 Log measured from **KB**
 Drilling measured from **KB**

Date **10-Aug-11**
 Run No. **1**
 Depth - Driller **4875.00 ft**
 Depth - Logger **7871.0 ft**
 Bottom - Logged Interval **7848.0 ft**
 Top - Logged Interval **3550.0 ft**
 Casing - Driller **8.625 in @ 752.0 ft**
 Casing - Logger **756.0 ft**
 Bit Size **7.875 in @**
 Type Fluid in Hole **WATER BASED MUD**
 Density **8.7 ppg** **50.00 s/qt**
 Viscosity **8.0 cpm**
 PH **9.50** **8.0**
 Source of Sample **FLOW LINE**
 Rm @ Meas. Temperature **1.030 ohmm @ 85.00 degF**
 Rmf @ Meas. Temperature **0.85 ohmm @ 80.00 degF**
 Rmc @ Meas. Temperature **1.230 ohmm @ 80.00 degF**
 Source Rmf **MEASURED** **MEASURED**
 Rm @ BHT **0.83 ohmm @ 120.0 degF**
 Time Since Circulation **5.0 hr**
 Time on Bottom **10-Aug-11 09:39**
 Max. Rec. Temperature **120.0 degF @ 7871.0 ft**
 Equipment Location **10782954 LIBERAL**
 Recorded By **J. BOSCH**
 Witnessed By **B. ARDE**

COMPANY	HARTMAN OIL COMPANY, INC.		
WELL	DAMME #41-A		
FIELD	DAMME		
COUNTY	FINNEY		
STATE	KANSAS		
Permanent Datum	GL	Sec. 21	Twp. 22S
Log measured from	KB	Rge. 33W	Elev. 2892.0 ft
Drilling measured from	KB		10.0 ft above perm. Datum
Date	10-Aug-11		
Run No.	1		
Depth - Driller	4875.00 ft		
Depth - Logger	7871.0 ft		
Bottom - Logged Interval	7848.0 ft		
Top - Logged Interval	3550.0 ft		
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Bit Size	7.875 in @		
Type Fluid in Hole	WATER BASED MUD		
Density	8.7 ppg	50.00 s/qt	
Viscosity	8.0 cpm		
PH	9.50	8.0	
Source of Sample	FLOW LINE		
Rm @ Meas. Temperature	1.030 ohmm @ 85.00 degF		
Rmf @ Meas. Temperature	0.85 ohmm @ 80.00 degF		
Rmc @ Meas. Temperature	1.230 ohmm @ 80.00 degF		
Source Rmf	MEASURED	MEASURED	
Rm @ BHT	0.83 ohmm @ 120.0 degF		
Time Since Circulation	5.0 hr		
Time on Bottom	10-Aug-11 09:39		
Max. Rec. Temperature	120.0 degF @ 7871.0 ft		
Equipment Location	10782954	LIBERAL	
Recorded By	J. BOSCH		
Witnessed By	B. ARDE		

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Service Ticket No.: 83728564 API Serial No.: 15-055-22102 PGM Version: WL INSITE R3.2.5 (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.
Rmf @ Meas. Temp.	@	@		ONE	MICRO P90	RUBBER	ADJ.
Rmc @ Meas. Temp.	@	@					
Source Rmf	Rmc						
Rm @ BHT	@	@					
Rmf @ BHT	@	@					
Rmc @ BHT	@	@					
EQUIPMENT DATA							
GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.		Run No.	
Serial No.	10748374	Serial No.		Serial No.		Serial No.	
Model No.	GTET	Model No.		Model No.		Model No.	
Diameter	3.625	No. of Cent.		Diameter		Diameter	
Detector Model No.	T-102	Spacing		Log Type		Log Type	
Type	SCINT			Source Type		Source Type	
Length	8"	LSA [Y/N]		Serial No.		Serial No.	
Distance to Source	10'	FWDA [Y/N]		Strength		Strength	
LOGGING DATA							
GENERAL		GAMMA		ACOUSTIC		DENSITY	

Run No.	GENERAL		Speed ft/min	GAMMA		ACOUSTIC		Matrix	DENSITY		NEUTRON		
	Depth			Scale		Scale			Matrix		Scale		Matrix
	From	To		L	R	L	R		L	R	L	R	
ONE	TD	3550	REC	0	150								

DIRECTIONAL INFORMATION

Maximum Deviation @ KOP @

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING

CHLORIDES: 1000 PPM LCM: 24 #/BBL

GPS COORDINATES: LAT: 38.72 N LONG: 100.95 W

TODAY'S CREW: A. VAQUERA, P. COBLE

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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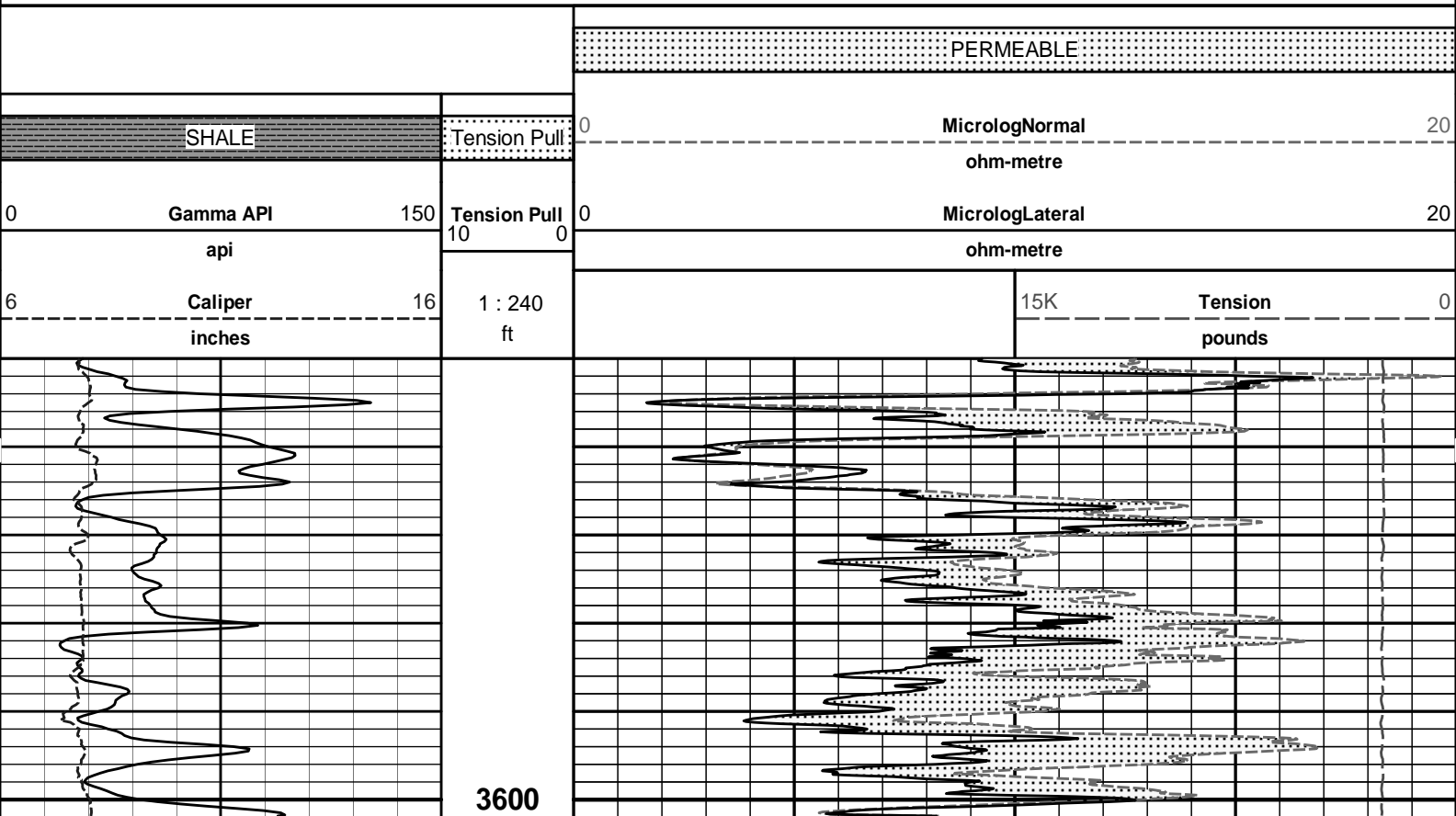
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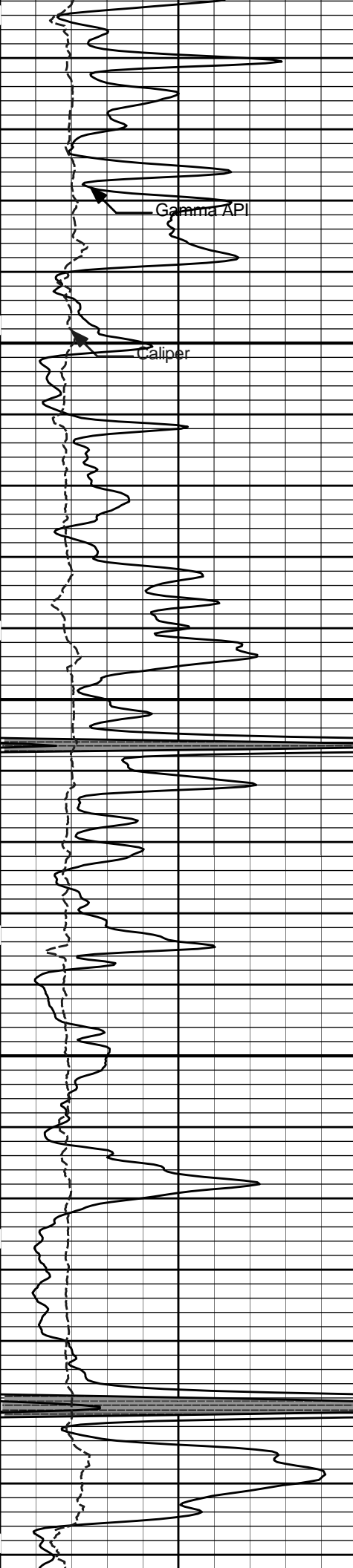
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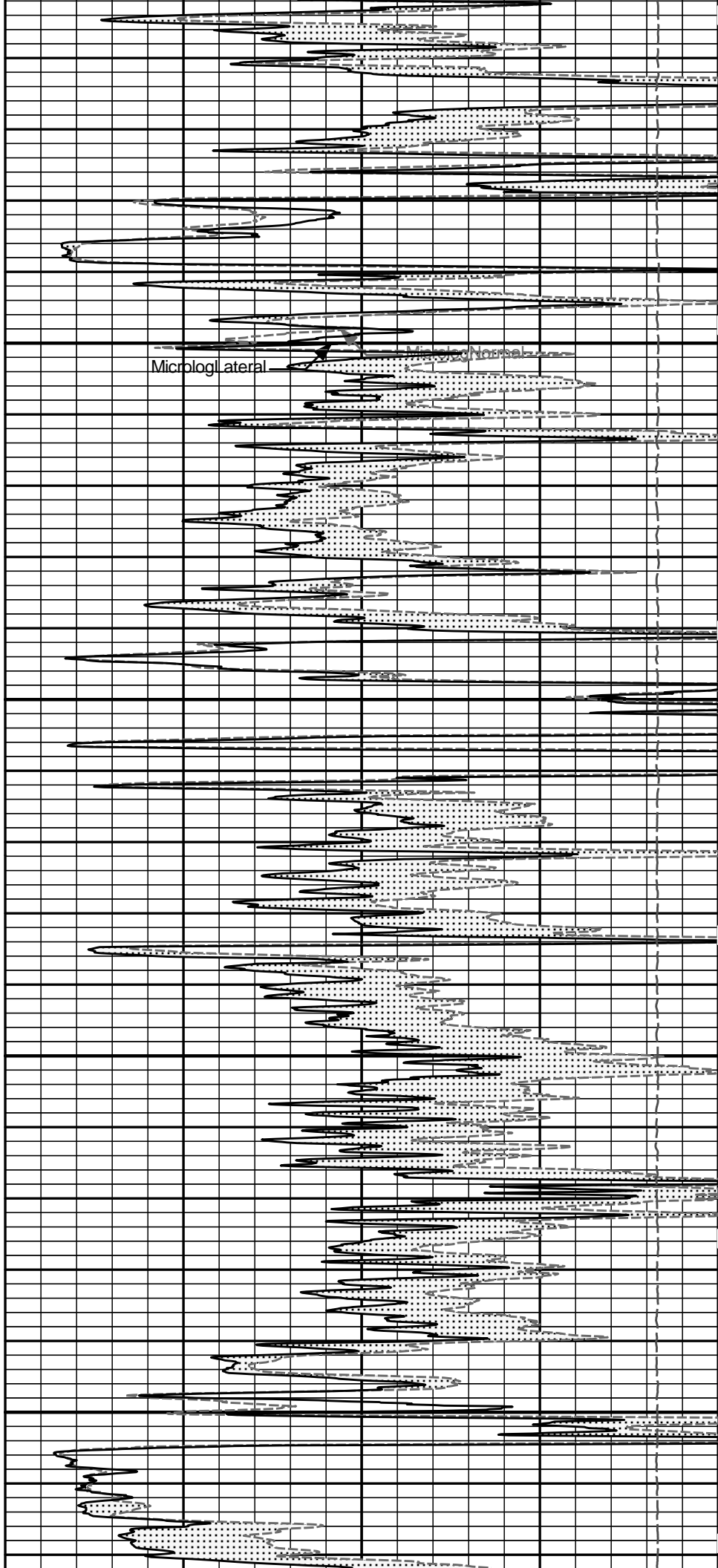
5 INCH MAIN LOG

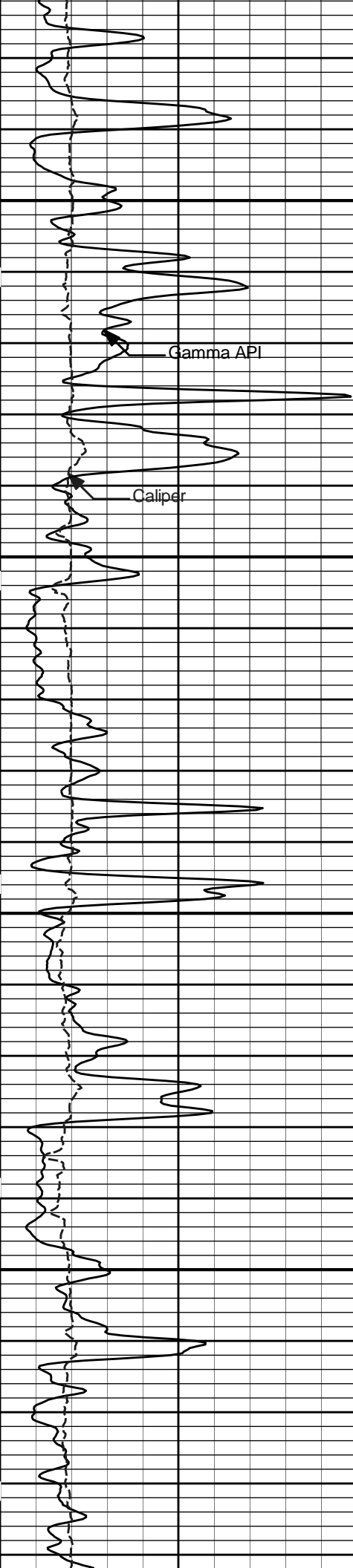




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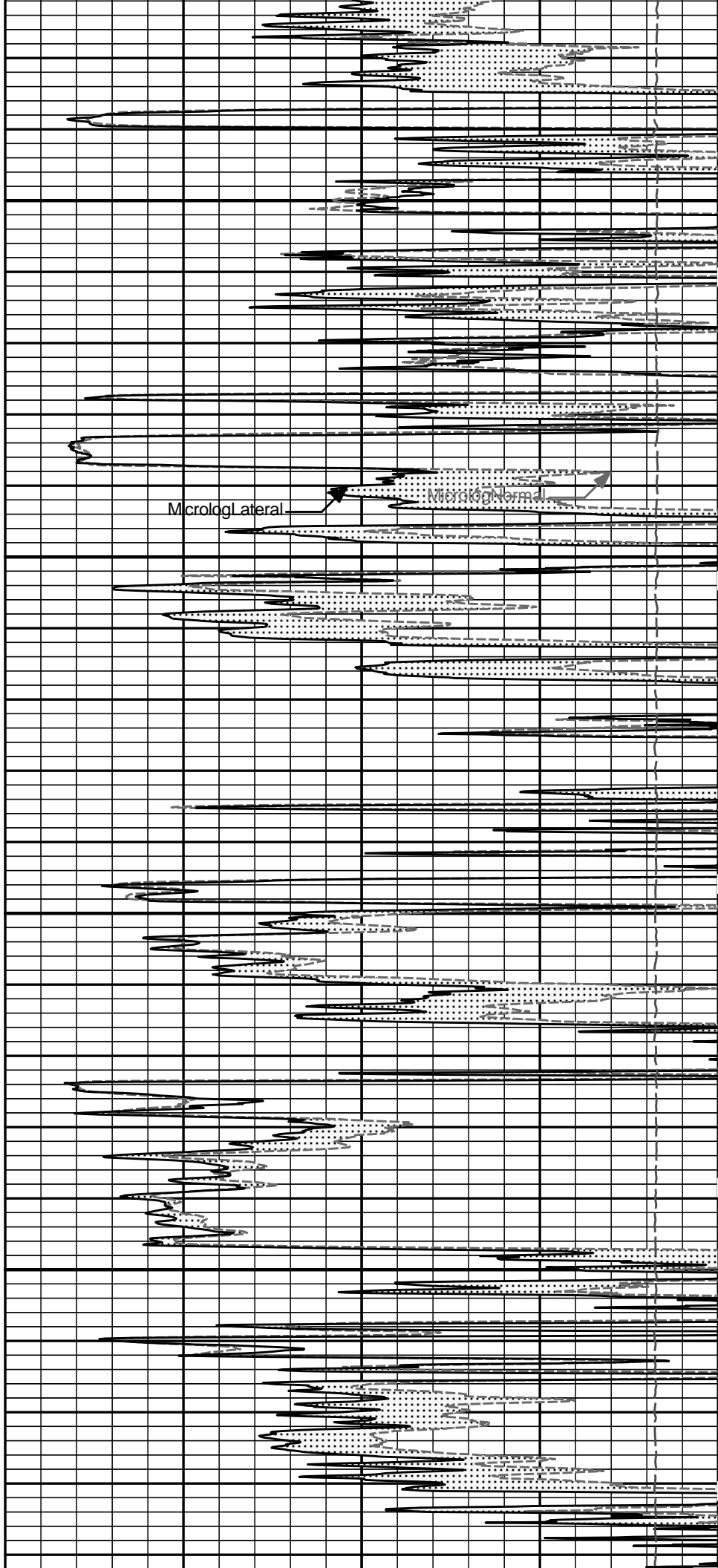
3800





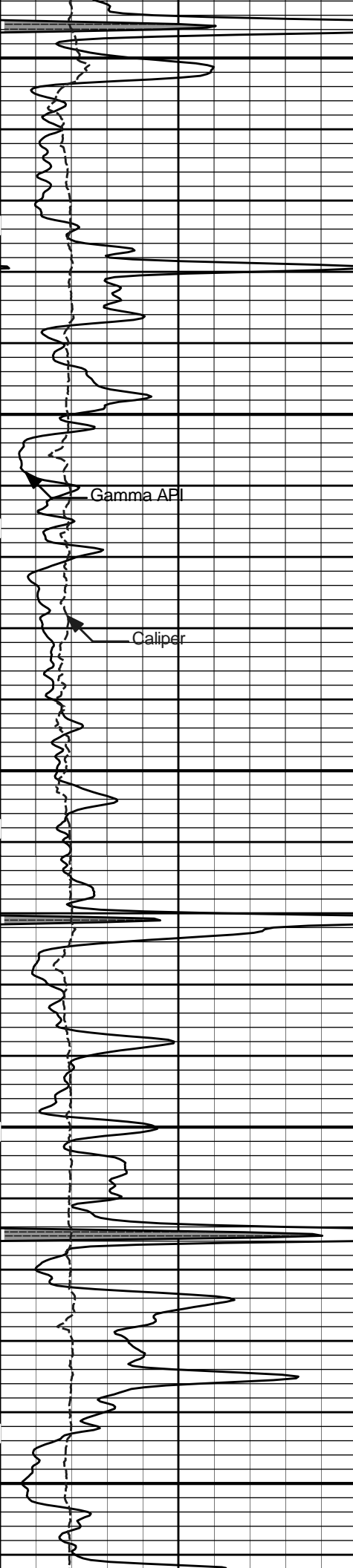
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4000



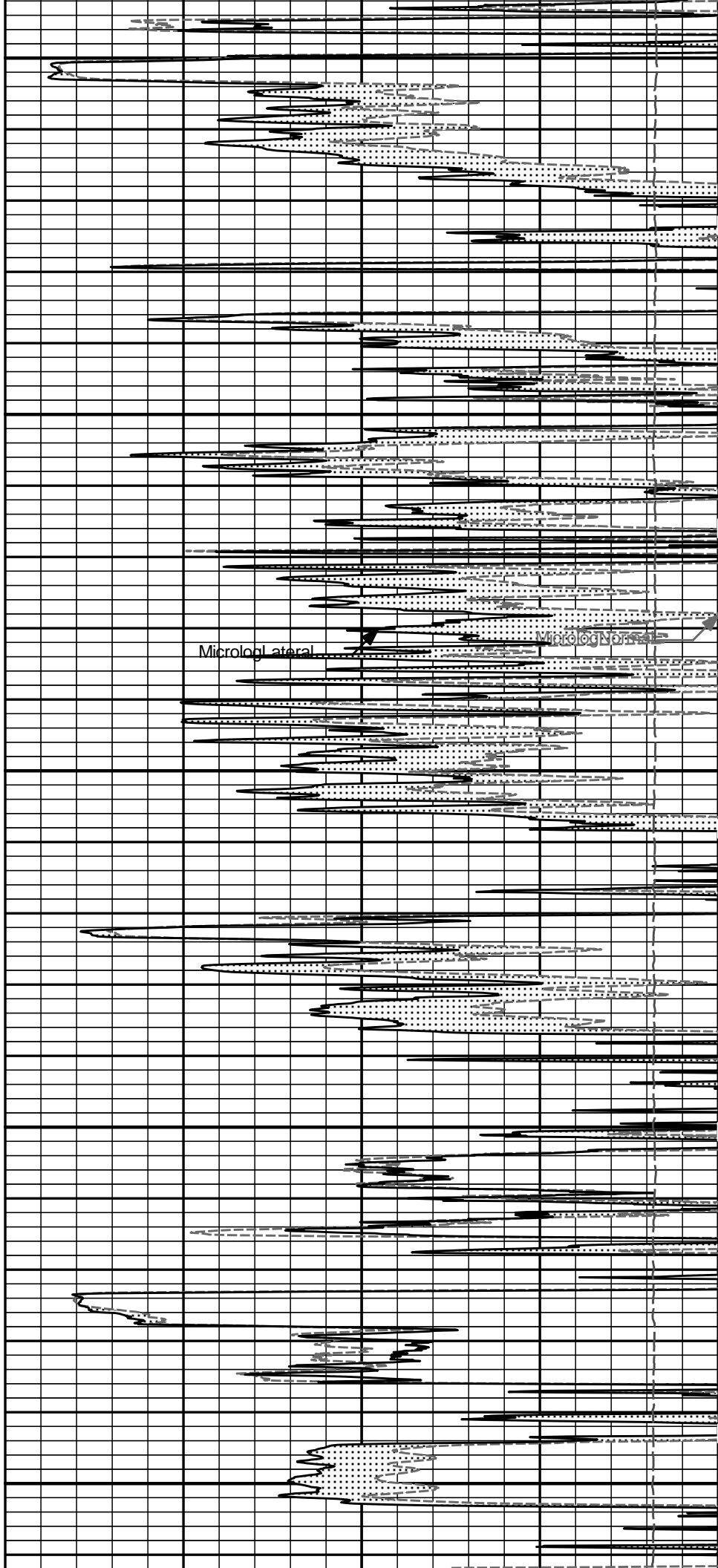
Microlog Lateral

Microlog Normal



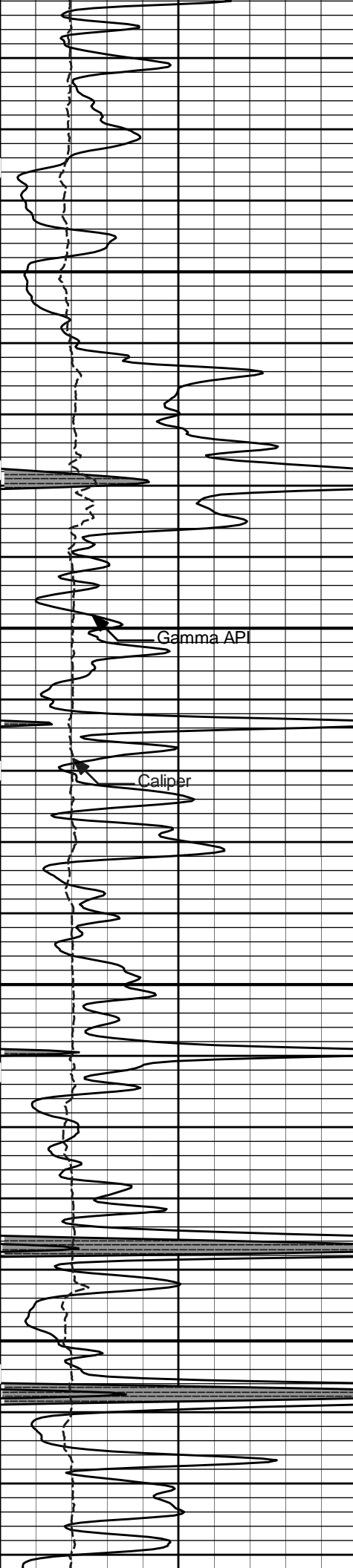
4100

4200



Microlog Lateral

Microlog Normal

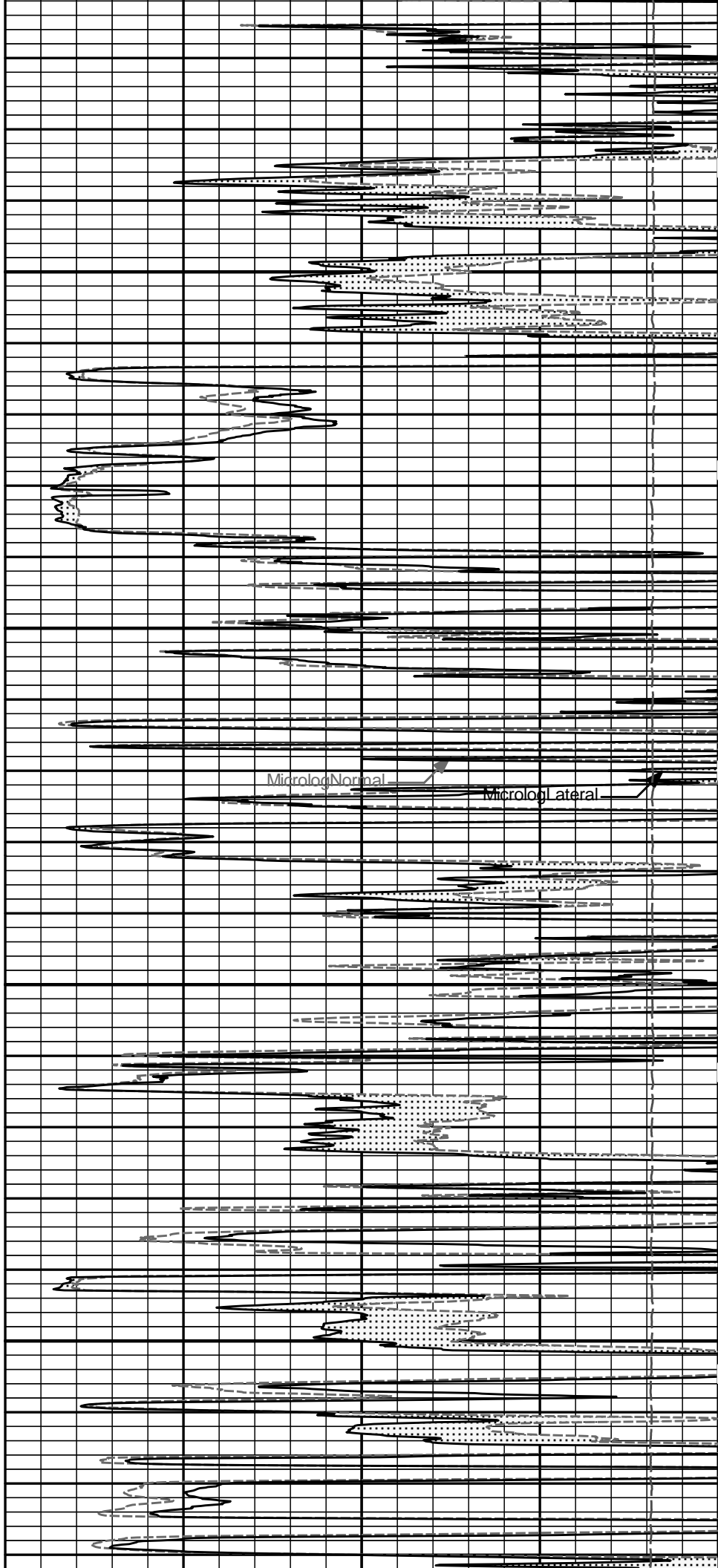


4300

Gamma API

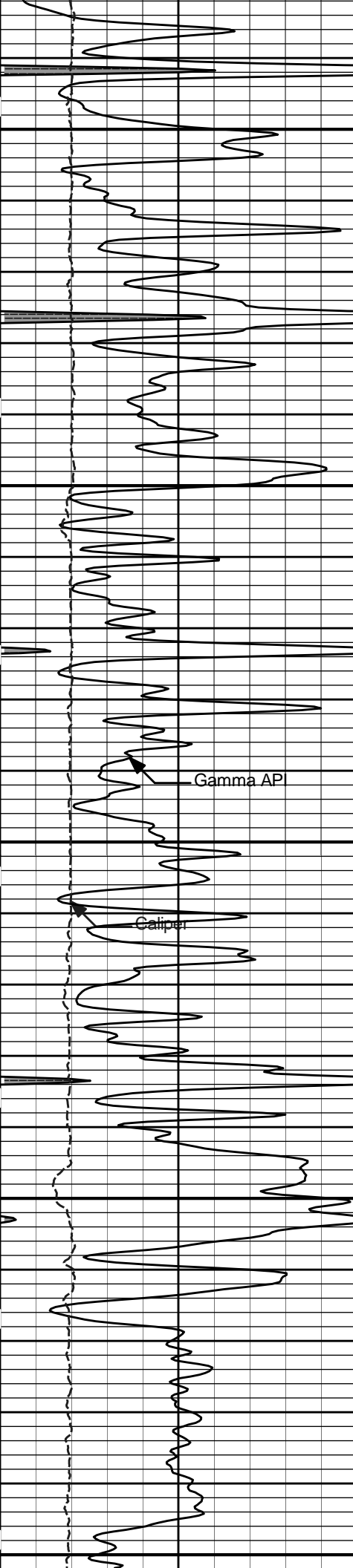
Caliper

4400



Microlog Normal

Microlog Lateral



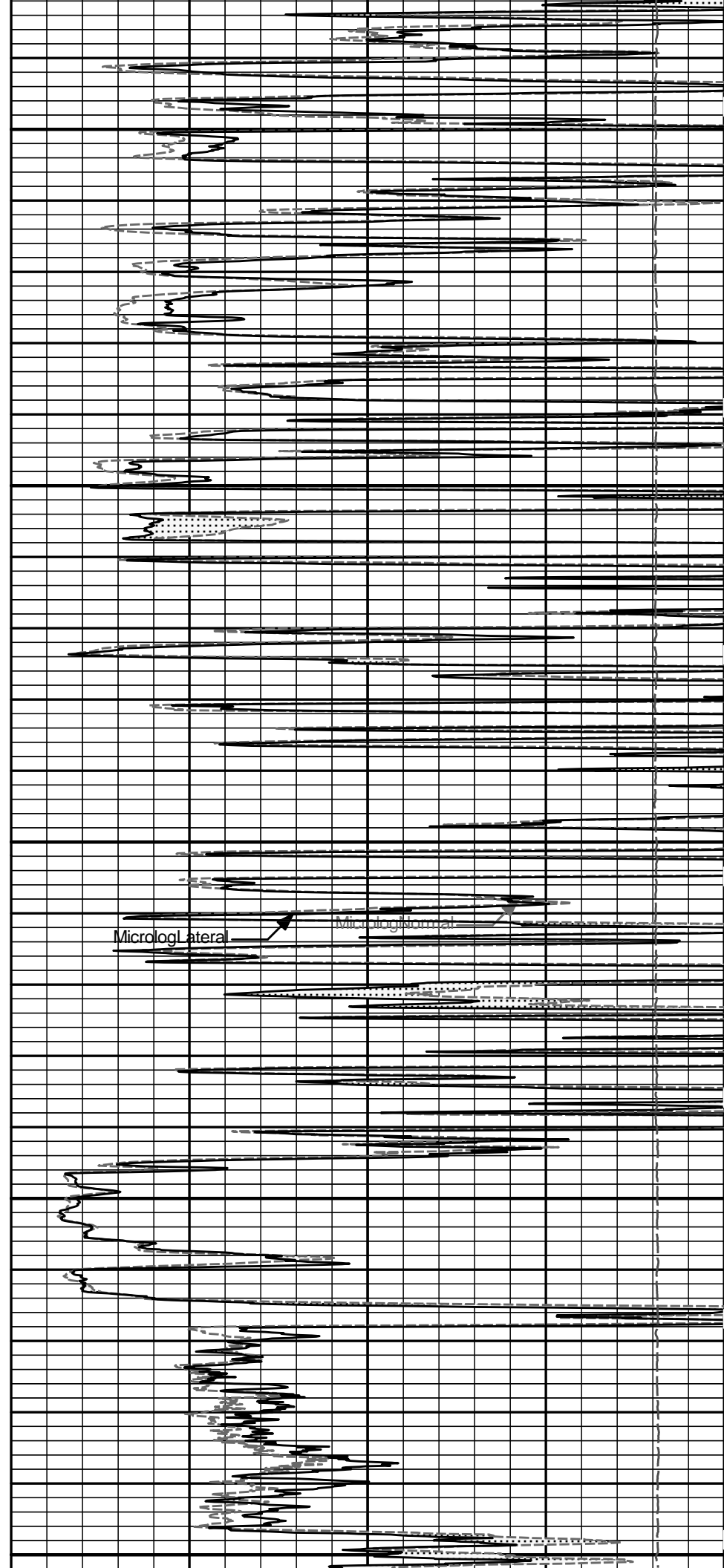
4500

Gamma API

4600

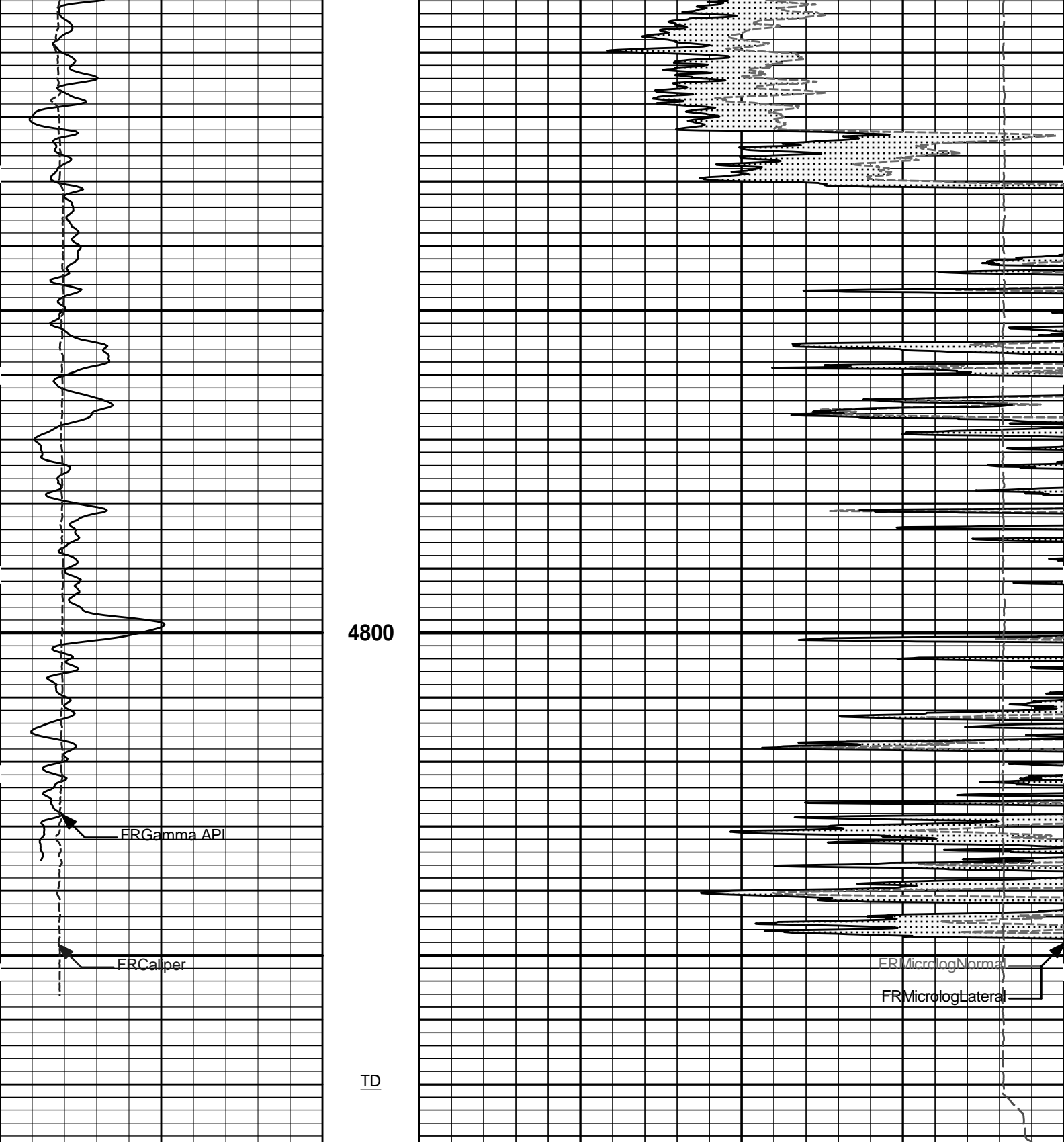
Caliper

4700



Microlog Lateral

Microlog Normal



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	

5 INCH MAIN LOG

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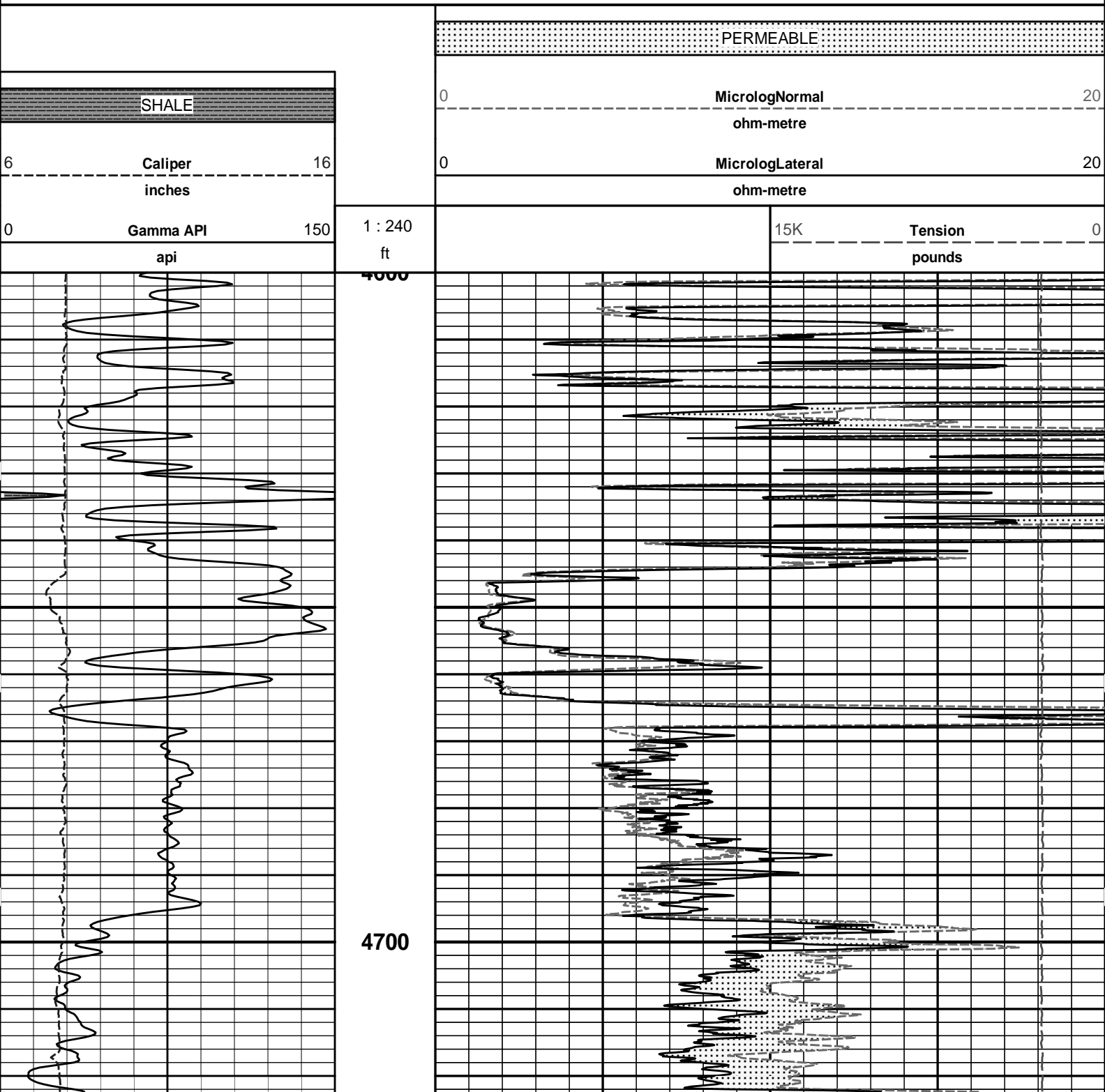
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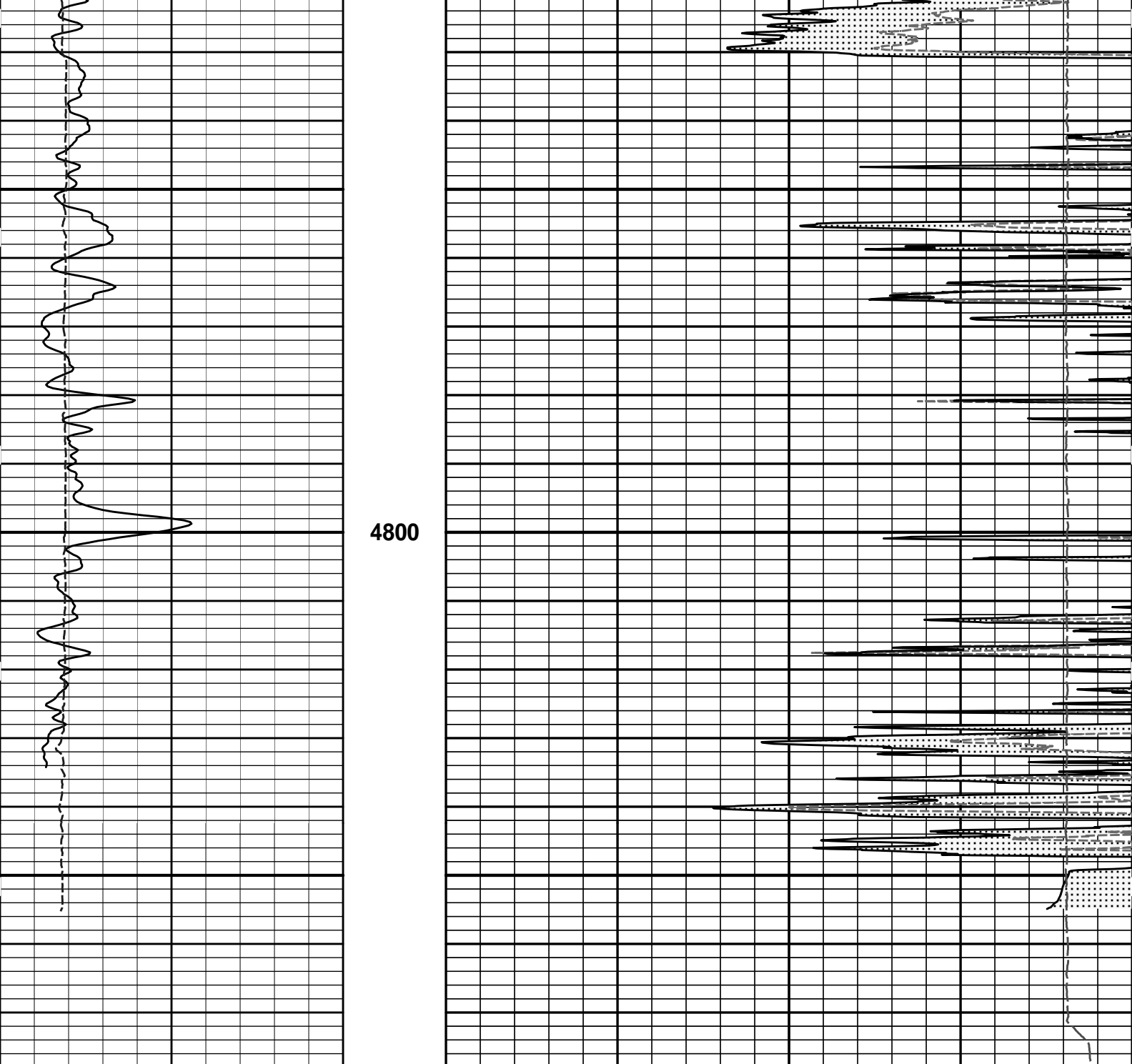
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Data: DAMME_41_A\Well Based\DAQ-0001-002\

Plot File: \\-LOCAL-\DAMME_41_A\Well Based\MICRO\Microlog_IQ_5_rep_lib

REPEAT SECTION





4800

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

HALLIBURTON

Plot Time: 10-Aug-11 12:28:16
 Plot Range: 4600 ft to 4878.17 ft
 Data: DAMME_41_A\Well Based\DAQ-0001-002\
 Plot File: \\-LOCAL-\DAMME_41_A\Well Based\MICRO\Microlog_IQ_5_rep_lib

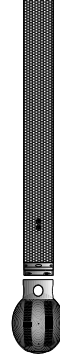
REPEAT SECTION

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
Cable Head- PROT01 30.00 lbs		Ø 3.625 in →			1.92 ft	54.51 ft
SP Sub-TRK954 60.00 lbs		Ø 3.625 in →		← SP @ 50.81 ft	3.74 ft	52.59 ft
GTET-10748374 165.00 lbs		Ø 3.625 in →		← GammaRay @ 42.79 ft	8.52 ft	48.85 ft
DSN Decentralizer- 11005605 6.60 lbs		Ø 3.625 in* → Ø 3.625 in →		← DSN Far @ 33.39 ft ← DSN Near @ 32.64 ft	9.69 ft	40.33 ft
DSNT-10735145 174.00 lbs						30.64 ft
SDLT- I145_M73803_P90 360.00 lbs		Ø 4.500 in → Ø 4.750 in →		← SDL Microlog @ 22.83 ft ← SDL Caliper @ 22.65 ft ← SDL @ 22.64 ft	10.81 ft	19.83 ft
				← Mud Resistivity @ 13.44 ft		
ACRt-I776_S775 250.00 lbs		Ø 3.625 in →		← ACRt @ 9.46 ft	19.25 ft	

Cabbage Head-
TRK954
10.00 lbs

Ø 3.625 in
Ø 6.000 in



0.58 ft
0.58 ft
0.00 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	52.59	300.00
SP	SP Sub	TRK954	60.00	3.74	48.85	300.00
GTET	Gamma Telemetry Tool	10748374	165.00	8.52	40.33	60.00
DSNT	Dual Spaced Neutron	10735145	174.00	9.69	30.64	60.00
DCNT	DSN Decentralizer	11005605	6.60	5.13	* 33.97	300.00
SDLT	Spectral Density Tool	I145_M73803_P90	360.00	10.81	19.83	60.00
ACRt	Array Compensated True Resistivity	I776_S775	250.00	19.25	0.58	300.00
CBHD	Cabbage Head	TRK954	10.00	0.58	0.00	300.00

Total **1,055.60** **54.51**

* Not included in Total Length and Length Accumulation.

Data: DAMME_41_A\0001 TRIPLE COMBO\IDLE

Date: 10-Aug-11 09:37:17

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CALIBRATION REPORT

MICRO LOG SHOP CALIBRATION

Tool Name: **SDLT - I145_M73803_P90** Reference Calibration Date: **23-Jun-11 19:50:35**

Engineer: **S. JUNG** Calibration Date: **28-Jul-11 16:10:19**

Software Version: **WL INSITE R3.2.5 (Build 2)** Calibration Version: **1**

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.07	-0.07	-0.01	-0.00	ohmm
Calibration Point #1	-0.00	0.00	-0.00	0.00	ohmm
Calibration Point #2	20.01	20.00	20.01	20.00	ohmm
Internal Reference	19.94	19.93	20.01	19.99	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	0.00	0.08	V
Calibration Point #1	18.77	1.43	V
Calibration Point #2	5425.18	7051.13	V
Internal Reference	5405.24	7048.63	V

MICRO LOG FIELD CHECK

Tool Name: **SDLT - I145_M73803_P90** Reference Calibration Date: **28-Jul-11 16:10:19**

Engineer: **C. MARLOWE** Calibration Date: **09-Aug-11 05:41:42**

Software Version: **WL INSITE R3.2.5 (Build 2)** Calibration Version: **1**

Measurement	Micro Log Normal	Micro Log Lateral
-------------	------------------	-------------------

	Shop	Field	Shop	Field	Units
Tool Zero	-0.07	-0.07	-0.00	-0.00	ohmm
Internal Reference	19.93	19.85	19.99	19.92	ohmm
Summary					
Signal	Shop	Field	Difference	Tolerance	
Microlog Normal	19.93	19.85	0.08	+/- 0.80	
Microlog Lateral	19.99	19.92	0.07	+/- 0.80	

MICRO LOG POST CHECK

Tool Name: SDLT - I145_M73803_P90 **Reference Calibration Date:** 09-Aug-11 05:41:42
Engineer: J. BOSH **Calibration Date:** 10-Aug-11 12:20:40
Software Version: WL INSITE R3.2.5 (Build 2) **Calibration Version:** 1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Field	Post	Field	Post	
Tool Zero	-0.07	-0.07	-0.00	-0.00	ohmm
Internal Reference	19.85	19.97	19.92	20.03	ohmm
Summary					
Signal	Field	Post	Difference	Tolerance	
Microlog Normal	19.85	19.97	0.12	+/- 0.80	
Microlog Lateral	19.92	20.03	0.11	+/- 0.80	

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
SDLT-I145_M73803_P90						
MicroLog Normal	19.93	19.85	19.97	-0.12	+/-0.80	ohmm
MicroLog Lateral	19.99	19.92	20.03	-0.11	+/-0.80	ohmm

Data: DAMME_41_A\0001 TRIPLE COMBO\IDLE **Date:** 10-Aug-11 12:25:00

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PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	DSNT	DNOK	Process DSN?	No	
	SDLT	DNOK	Process Density?	No	
	SDLT	MLOK	Process MicroLog Outputs?	No	
3550.00					
	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	8.700	ppg
	SHARED	WAGT	Weighting Agent	Barite	
	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	0.830	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	4871.00	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	Centered	
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	DNOK	Process Density?	Yes	
SDLT	DNOK	Process Density EVR?	No	
SDLT	CB	Logging Calibration Blocks?	No	
SDLT	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT	DTWN	Disable temperature warning	No	
SDLT	DMA	Formation Density Matrix	2.710	g/cc
SDLT	DFL	Formation Density Fluid	1.000	g/cc
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT	MLOK	Process MicroLog Outputs?	Yes	
ACRt	RTOK	Process ACRt?	Yes	
ACRt	MNSO	Minimum Tool Standoff	1.50	in
ACRt	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
ACRt	TPOS	Tool Position	Free Hanging	
ACRt	RMOP	Rmud Source	Mud Cell	
ACRt	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt	THQY	Threshold Quality	0.50	

BOTTOM

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	50.81	NO	
SP	Spontaneous Potential	50.81	BLK	1.250
SPR	Raw Spontaneous Potential	50.81	NO	
SPO	Spontaneous Potential Offset	50.81	NO	
GTET				
TPUL	Tension Pull	42.79	NO	
GR	Natural Gamma Ray API	42.79	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	42.79	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	42.79	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	32.54	NO	
RNDS	Near Detector Telemetry Counts	32.64	BLK	1.417
RFDS	Far Detector Telemetry Counts	33.39	TRI	0.583
DNTT	DSN Tool Temperature	32.64	NO	
DSNS	DSN Tool Status	32.54	NO	
ERND	Near Detector Telemetry Counts EVR	32.64	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	33.39	BLK	0.000
ENTM	DSN Tool Temperature EVR	32.64	NO	
SDLT				
TPUL	Tension Pull	22.64	NO	
NAB	Near Above	22.46	BLK	0.920
NHI	Near Cesium High	22.46	BLK	0.920
NLO	Near Cesium Low	22.46	BLK	0.920
NVA	Near Valley	22.46	BLK	0.920
NBA	Near Barite	22.46	BLK	0.920
NDE	Near Density	22.46	BLK	0.920
NPK	Near Peak	22.46	BLK	0.920
NLI	Near Lithology	22.46	BLK	0.920
NBAU	Near Barite Unfiltered	22.46	BLK	0.250
NLIU	Near Lithology Unfiltered	22.46	BLK	0.250
FAB	Far Above	22.81	BLK	0.250
FHI	Far Cesium High	22.81	BLK	0.250
FLO	Far Cesium Low	22.81	BLK	0.250
FVA	Far Valley	22.81	BLK	0.250
FBA	Far Barite	22.81	BLK	0.250
FDE	Far Density	22.81	BLK	0.250
FPK	Far Peak	22.81	BLK	0.250
FLI	Far Lithology	22.81	BLK	0.250
PTMP	Pad Temperature	22.65	BLK	0.920
NHV	Near Detector High Voltage	19.83	NO	
FHV	Far Detector High Voltage	19.83	NO	
ITMP	Instrument Temperature	19.83	NO	

DDHV	Detector High Voltage	19.83	NO	
TPUL	Tension Pull	22.65	NO	
PCAL	Pad Caliper	22.65	TRI	0.250
ACAL	Arm Caliper	22.65	TRI	0.250
TPUL	Tension Pull	22.83	NO	
MINV	Microlog Lateral	22.83	BLK	0.750
MNOR	Microlog Normal	22.83	BLK	0.750
ACRt				
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

Data: DAMME_41_A\0001 TRIPLE COMBO\IDLE

Date: 10-Aug-11 10:20:20

COMPANY	HARTMAN OIL COMPANY, INC.		
WELL	DAMME #41-A		
FIELD	DAMME		
COUNTY	FINNEY	STATE	KANSAS

HALLIBURTON

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