

HALLIBURTON

MICROLOG

COMPANY		OXY USA INC	
WELL		HENTSCHEL C-2	
FIELD		MUSTANG EAST	
COUNTY		MORTON	
STATE		KANSAS	
Permanent Datum		GL	Elev. 3523.0 ft
Log measured from		KB	D.F. 3536.0 ft
Drilling measured from		KB	G.L. 3523.0 ft
Date		03-Sep-12	
Run No.		ONE	
Depth - Driller		3950.00 ft	
Depth - Logger		3910.0 ft	
Bottom - Logged Interval		3866.0 ft	
Top - Logged Interval		3866.0 ft	
Casing - Driller		8.625 in @ 1384.0 ft	
Casing - Logger		1384.0 ft	
Bit Size		7.875 in	@
Type Fluid in Hole		WATER BASED MUD	
Density	Viscosity	9.1 ppg	46.00 s/qt
PH	Fluid Loss	10.10 pH	8.4 cpm
Source of Sample		FLOWLINE	
Rm @ Meas. Temperature		0.700 ohmm @ 75.00 degF	@
Rmf @ Meas. Temperature		0.63 ohmm @ 75.00 degF	@
Rmc @ Meas. Temperature		0.950 ohmm @ 75.00 degF	@
Source Rmf	Rmc	MEASURED	MEASURED
Rm @ BHT		0.71 ohmm @ 75.0 degF	@
Time Since Circulation		8.0 hr	
Time on Bottom		03-Sep-12 20:02	
Max. Rec. Temperature		123.0 degF @ 3910.0 ft	@
Equipment	Location	10782954	LIBERAL
Recorded By		J. BOLLOW	
Witnessed By		J. GILL	

Fold here

Service Ticket No.: 9788870				API Serial No.: 15-129-21941				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	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	MICROLOG	RUBBER	ADJ	N/A			
Rmc @ Meas. Temp.		@		@			M73803						
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.	GTET			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		NEUTRON			

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	3910	3000	REC	0	150									
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING														
CHLORIDES REPORTED AT 2500 MG/L														
LCM REPORTED AT 8 LB/BBL														
GTET-DSNT-SDLT-BSAT-ACRT RUN IN COMBINATION														
TODAY'S CREW: F. VILLA & J. ALBERTS														
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.														
HALLIBURTON														

HALLIBURTON

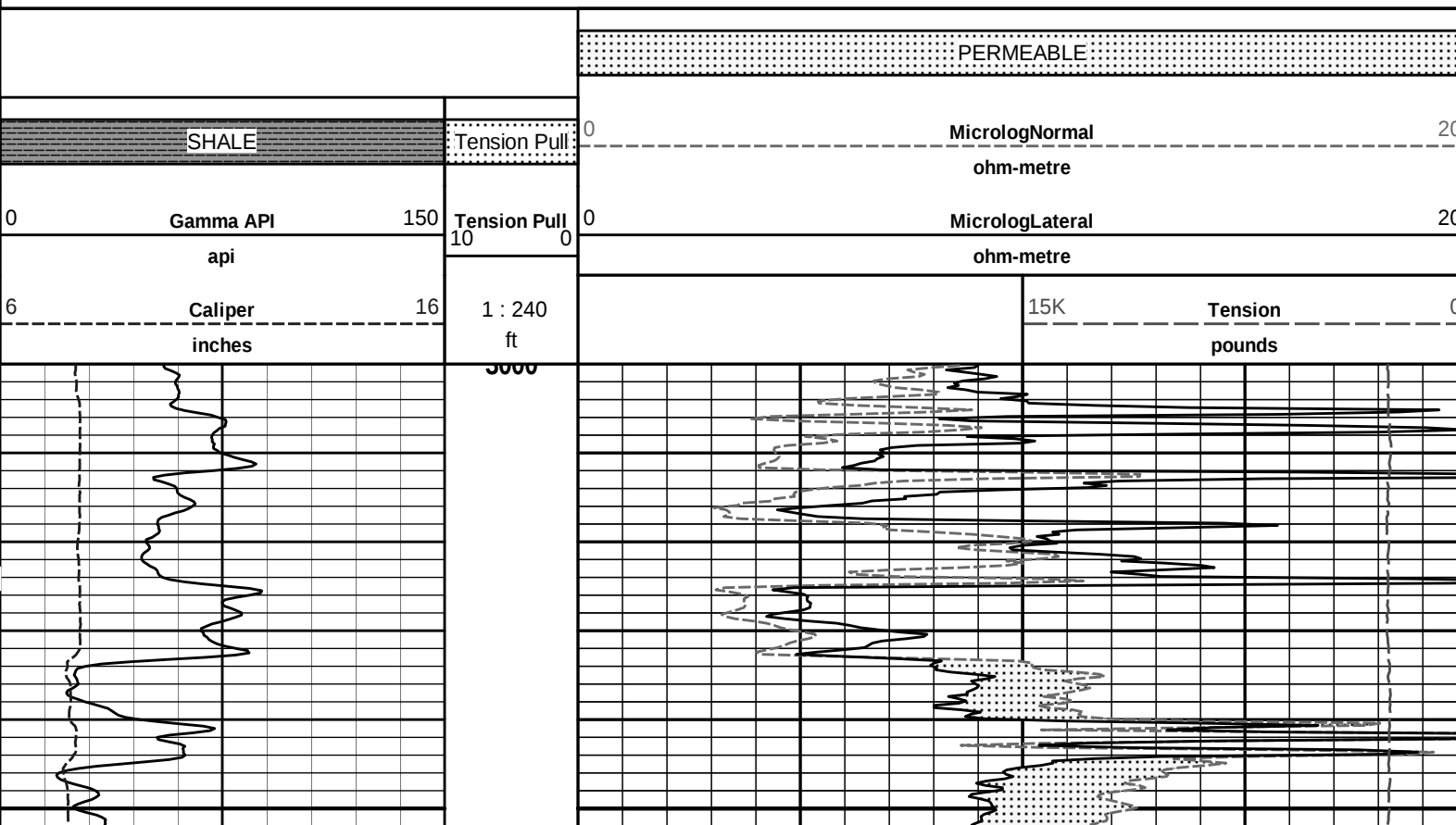
Plot Time: 03-Sep-12 23:25:19

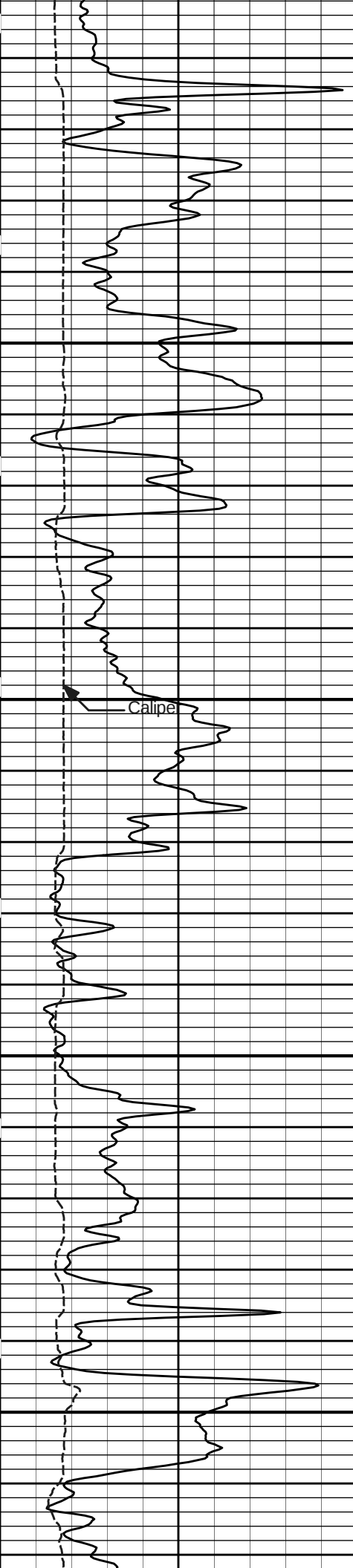
Plot Range: 3000 ft to 3912.42 ft

Data: HENTSCHEL_C_2\Well Based\DETAIL\

Plot File: \\-LOCAL-\\HENTSCHEL_C_2\\0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-CH\\MICRO\\Microlog_IQ_5_main_lib

5 INCH MAIN LOG

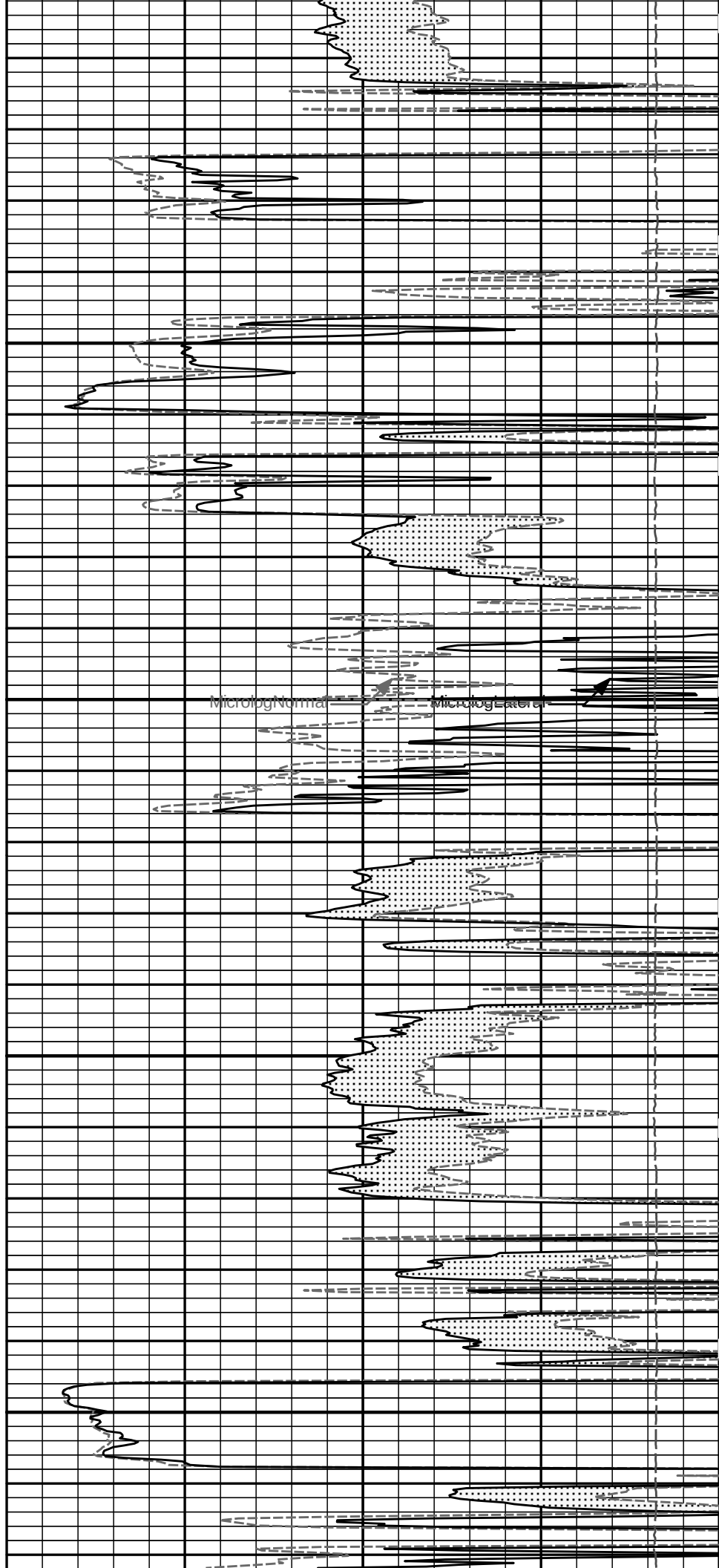




3100

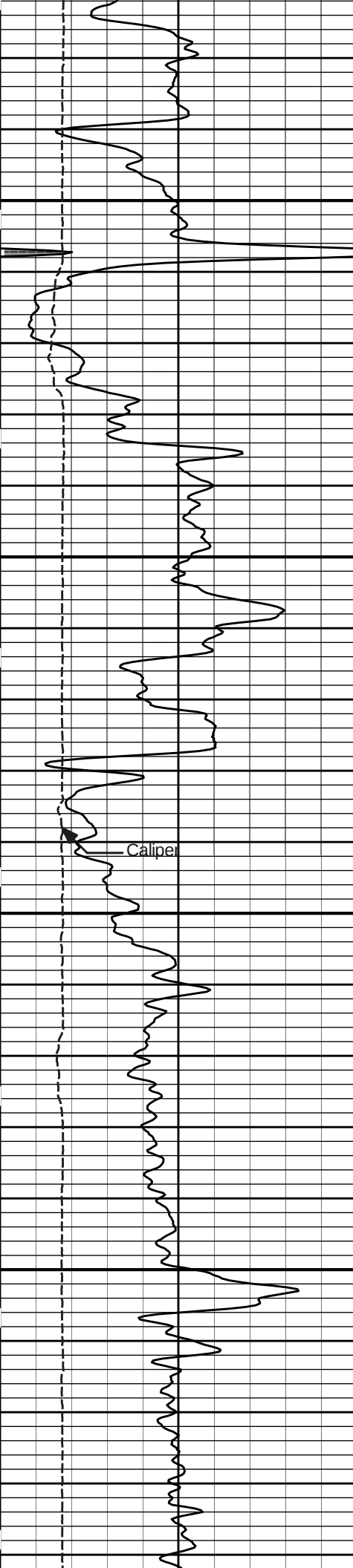
3200

Calipe



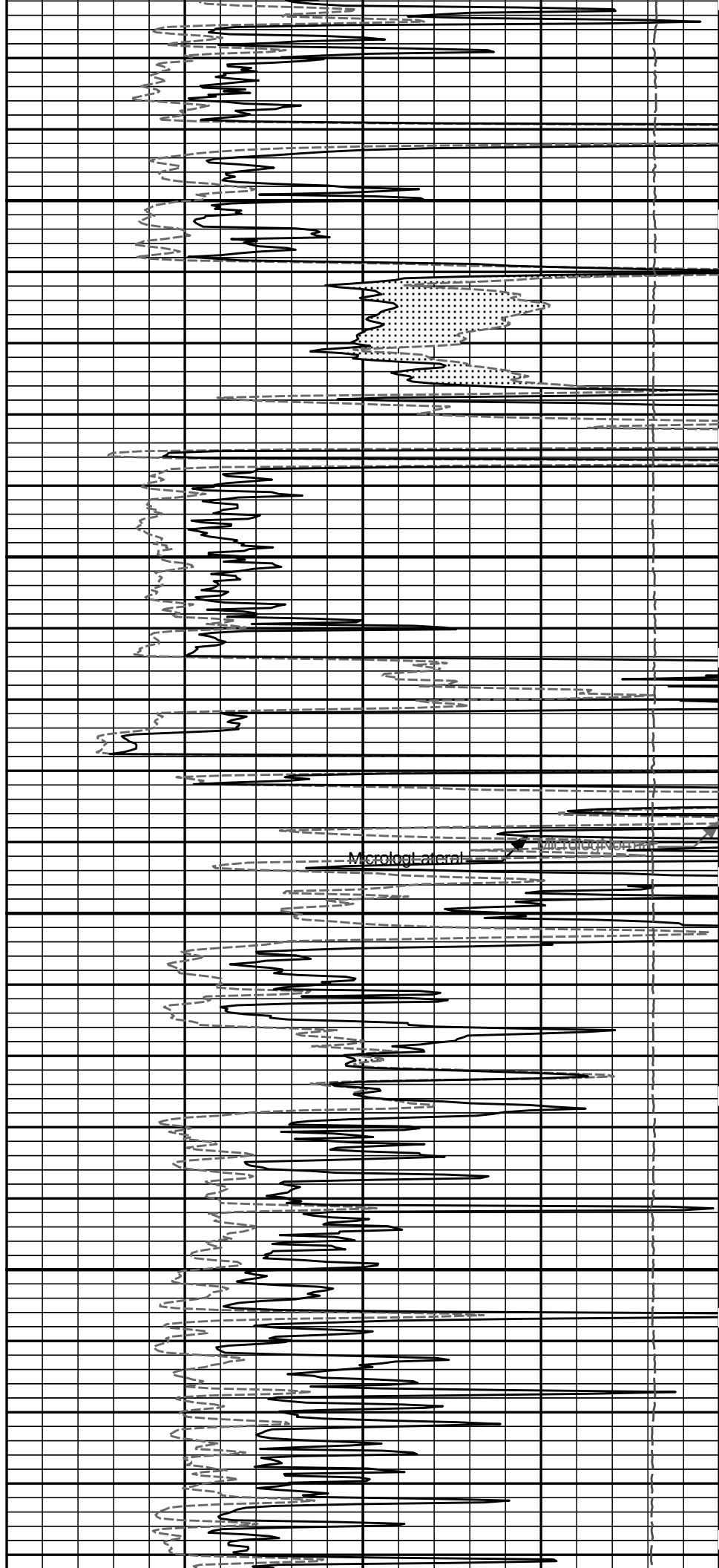
MicrologNormal

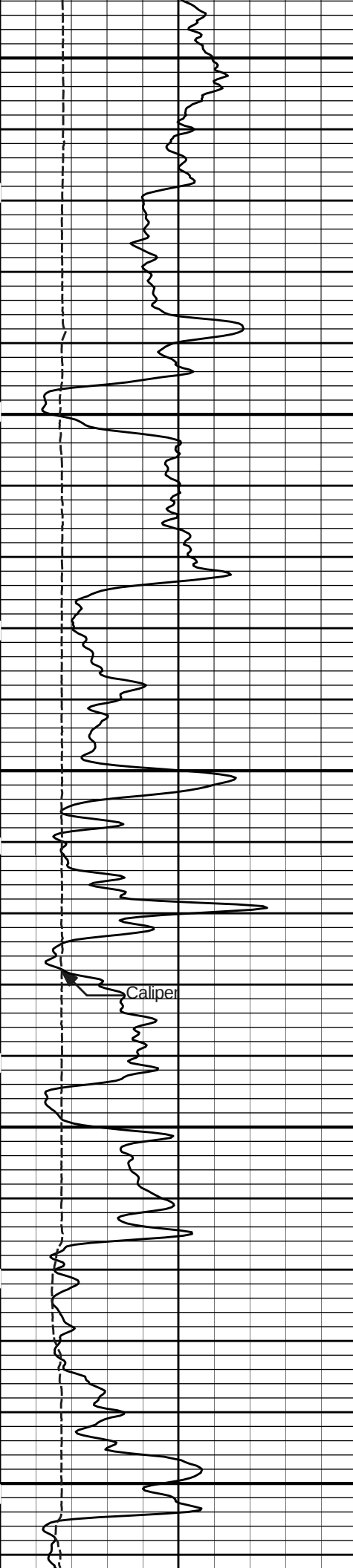
MicrologLateral



3300

3400

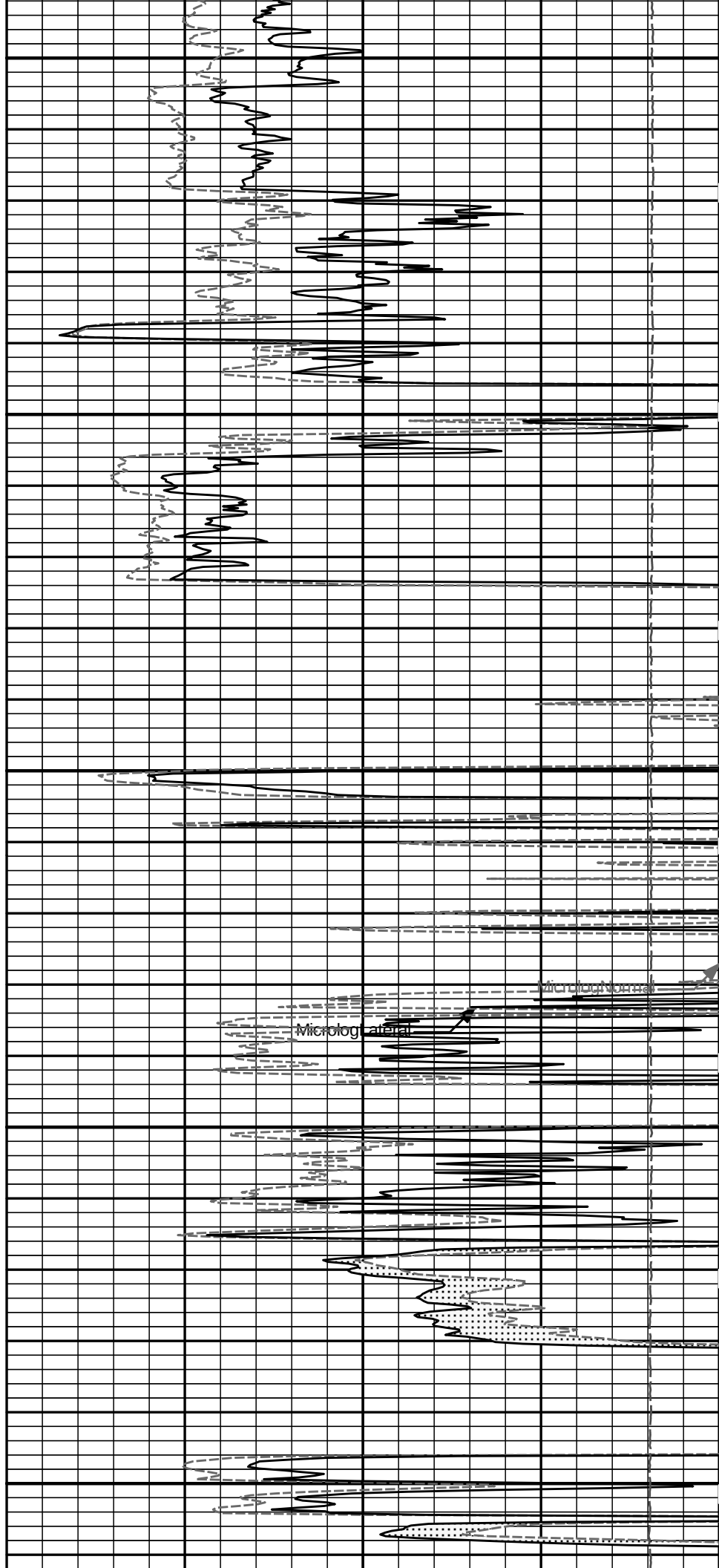


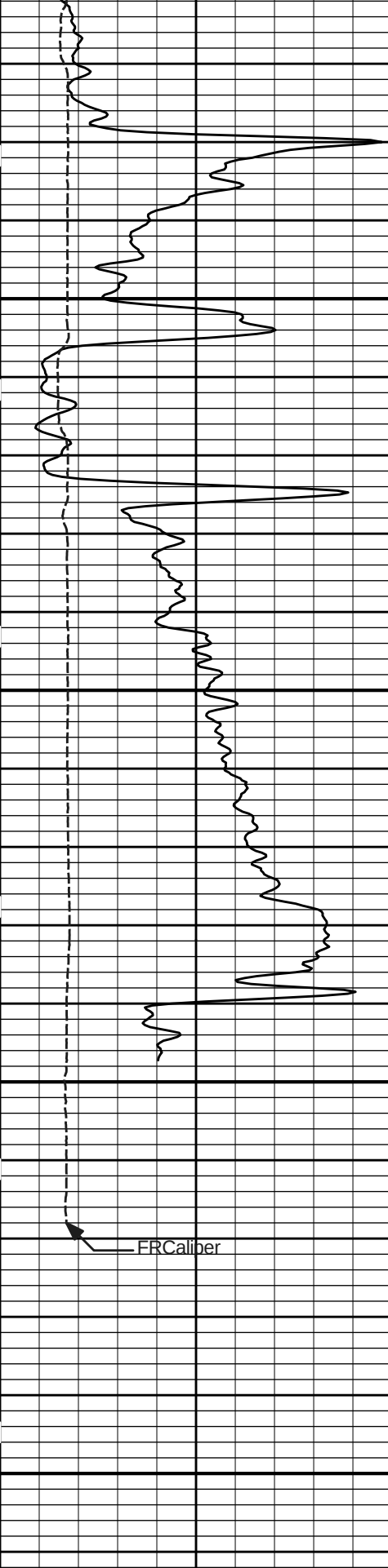


3500

3600

3700

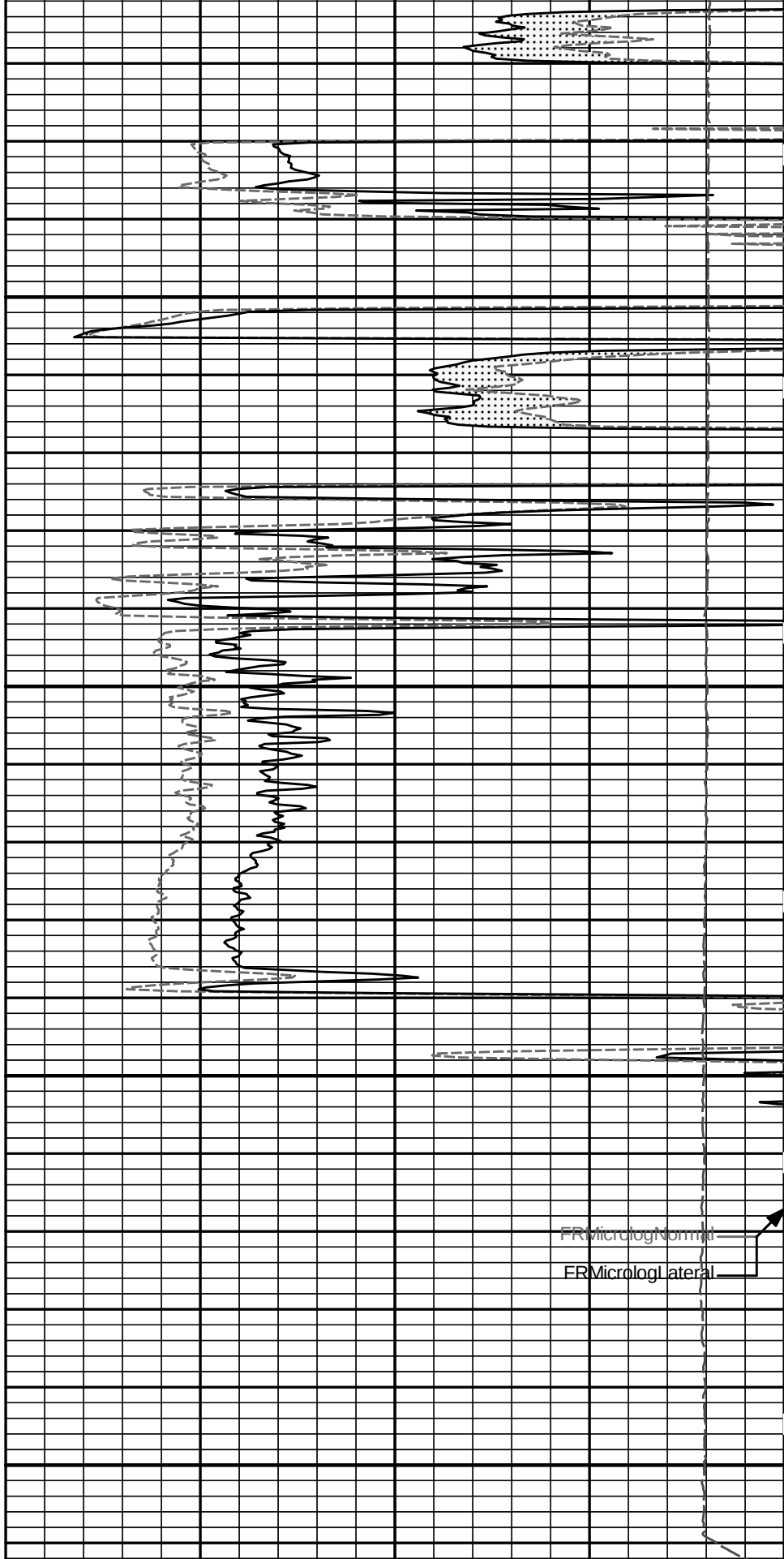
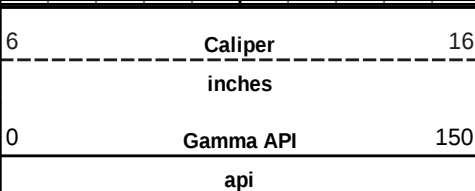




3800

3900

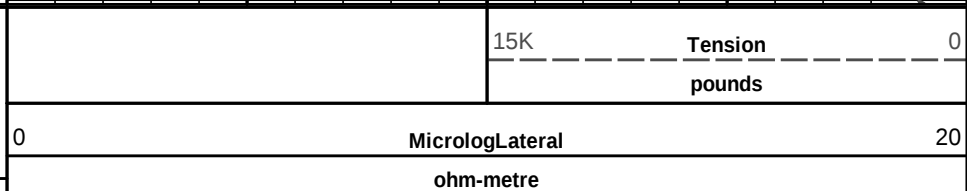
TD



FRCaliber

FRMicrologNormal

FRMicrologLateral



15K

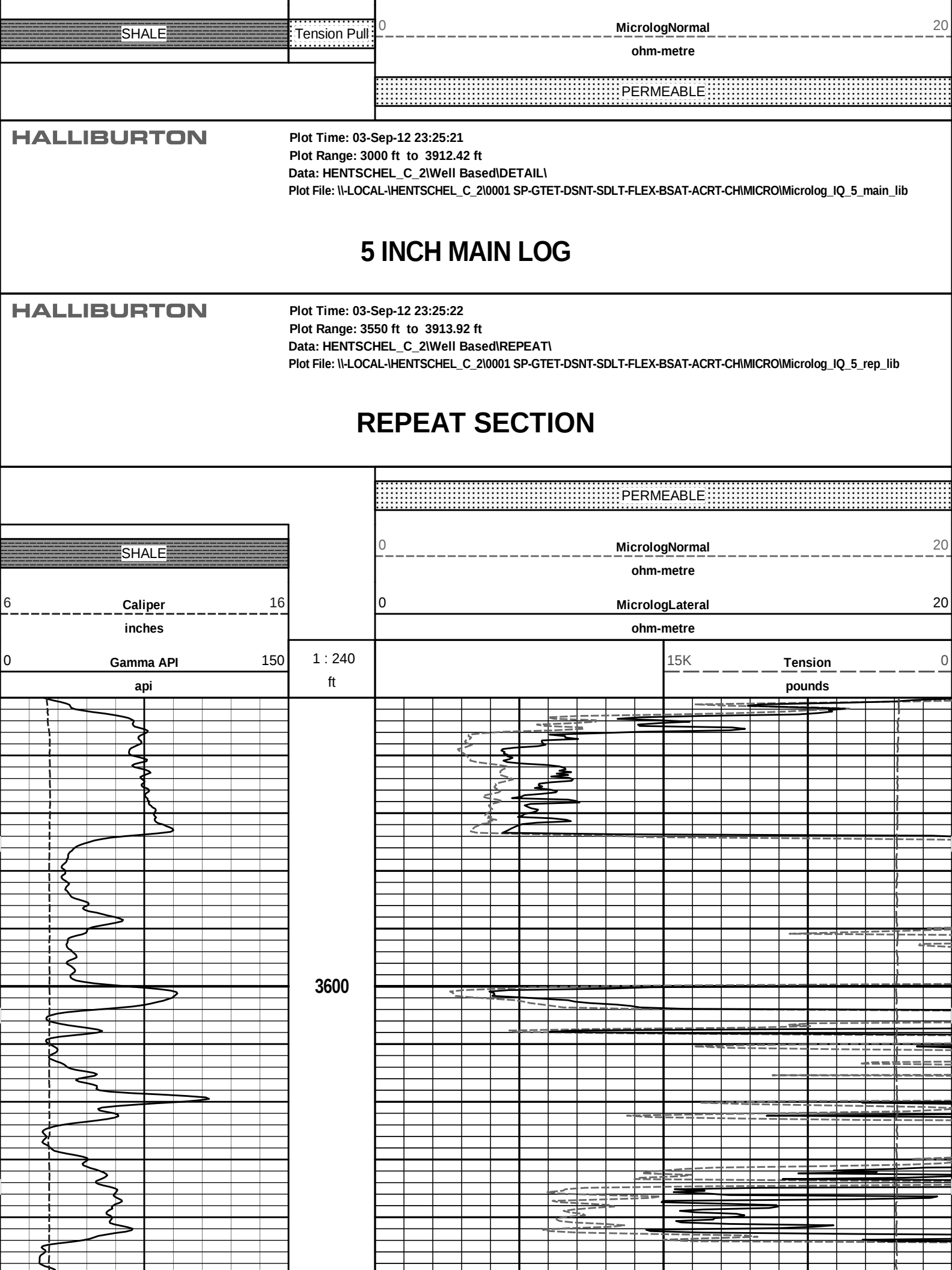
Tension
pounds

0

MicrologLateral

20

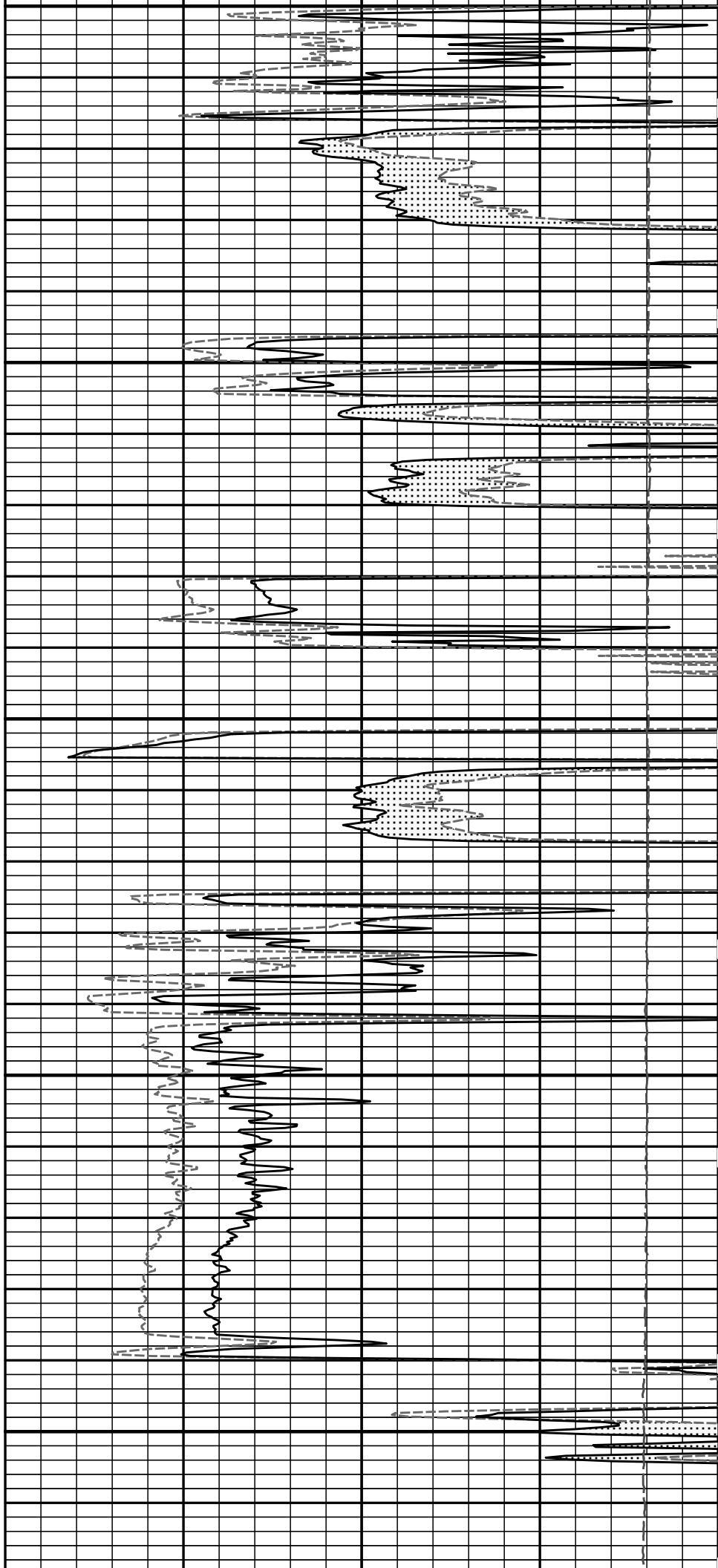
ohm-metre

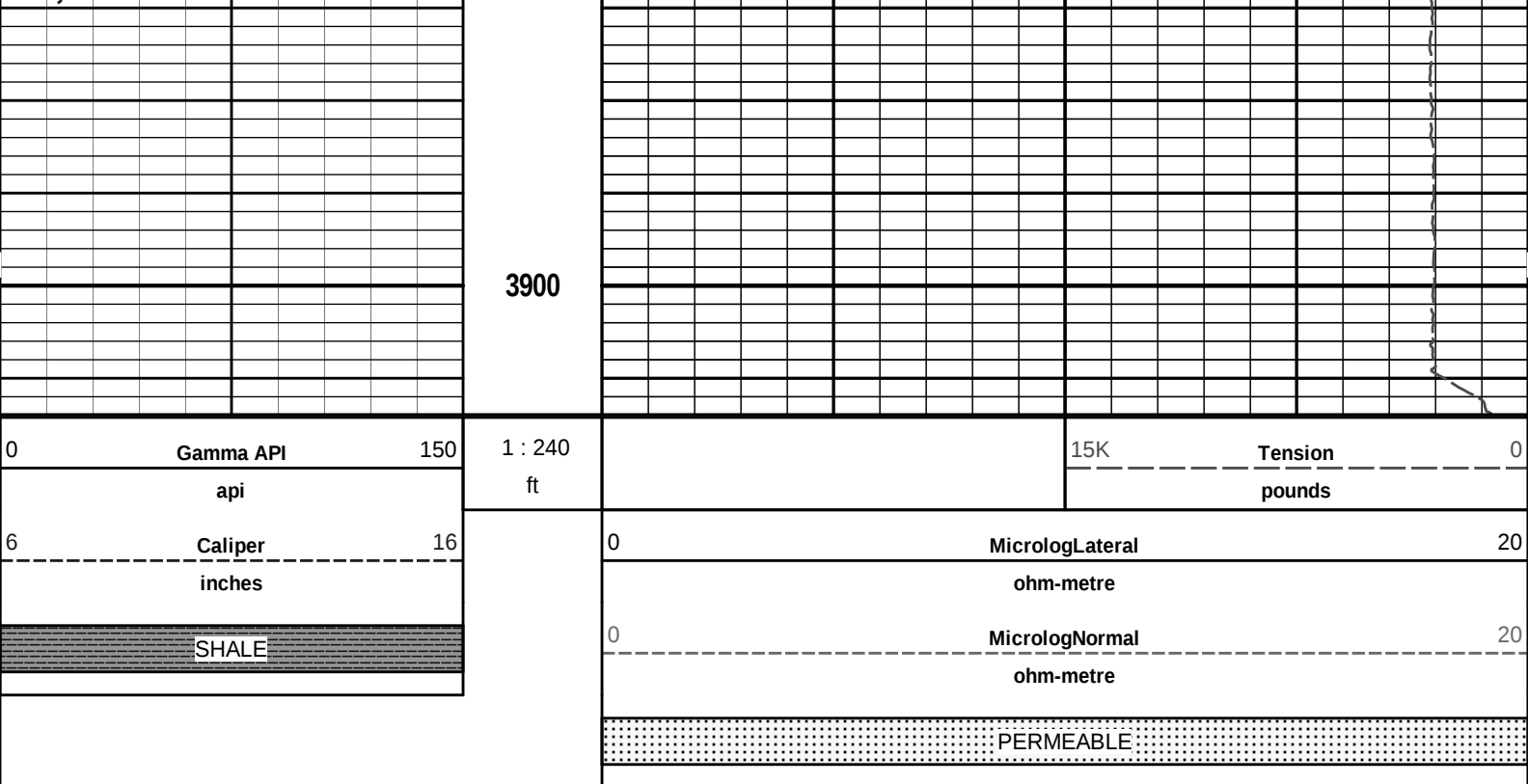




3700

3800





HALLIBURTON

Plot Time: 03-Sep-12 23:25:23
Plot Range: 3550 ft to 3913.92 ft
Data: HENTSCHEL_C_2\Well Based\REPEAT\
Plot File: \\-LOCAL-I\HENTSCHEL_C_2\0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-CHIMICRO\Microlog_IQ_5_rep.lib

REPEAT SECTION

HALLIBURTON

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	75.95 ft
SP Sub-11441709 60.00 lbs		Ø 3.625 in →		← SP @ 72.26 ft	3.74 ft	74.03 ft
						70.30 ft
GTET-10748374 165.00 lbs		Ø 3.625 in →		← GammaRay @ 64.23 ft	8.52 ft	
						61.78 ft
DSN Decentralizer- 10755066 6.60 lbs		Ø 5.000 in* →				
DSNT-10735145 174.00 lbs		Ø 3.625 in →			9.69 ft	

174.00 lbs

SDLT-
I145_M73803_P90
360.00 lbs

SDLT Pad-90
65.00 lbs

Microlog Pad-
I145_M73803_P90
8.00 lbs

Flex Joint-
10939592
140.00 lbs

BSAT-10747683
300.00 lbs

ACRt Instrument-
I776
50.00 lbs

Regal Standoff 6_75-01
20.00 lbs

ACRt Sonde-
I776_S775
200.00 lbs

Ø 4.500 in →

Ø 4.750 in* →
Ø 4.750 in* →

Ø 3.625 in →

Ø 6.750 in* →

Ø 3.625 in →

Ø 3.625 in →
Ø 6.750 in* →

Ø 3.625 in →

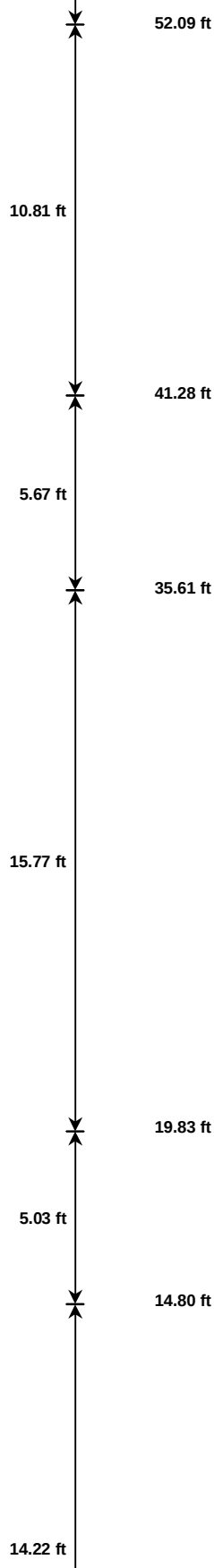
← DSN Far @ 54.84 ft
← DSN Near @ 54.09 ft

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

← Sonic Receivers @ 27.09 ft

← Mud Resistivity @ 13.44 ft

← ACRt @ 9.46 ft



Cabbage Head- TRK954 10.00 lbs		Ø 3.625 in Ø 6.000 in				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	74.03	300.00
SP	SP Sub	11441709	60.00	3.74	70.30	300.00
GTET	Gamma Telemetry Tool	10748374	165.00	8.52	61.78	60.00
DSNT	Dual Spaced Neutron	10735145	174.00	9.69	52.09	60.00
DCNT	DSN Decentralizer	10755066	6.60	5.13	* 55.42	300.00
SDLT	Spectral Density Tool	I145_M73803_P90	360.00	10.81	41.28	60.00
MICP	Microlog Pad	I145_M73803_P90	8.00	1.00	* 43.78	60.00
SDLP	Density Insite Pad	90	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	I776	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	I776_S775	200.00	14.22	0.58	300.00
CBHD	Cabbage Head	TRK954	10.00	0.58	0.00	300.00
Total			1,608.60	75.95		
* Not included in Total Length and Length Accumulation.						
Data: HENTSCHEL_C_210001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-CHIDLE					Date: 03-Sep-12 20:07:28	

HALLIBURTON			
CALIBRATION REPORT			
NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 10811258	Reference Calibration Date:	29-Jun-12 10:47:38
Engineer:	C. HAVERKAMP	Calibration Date:	11-Aug-12 06:02:48
Software Version:	WL INSITE R3.6.0 (Build 3)	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	33.3	33.0	api
Background + Calibrator	267.7	265.0	api
Calibrator	234.4	232.0	api
NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 10811258	Reference Calibration Date:	11-Aug-12 06:02:48
Engineer:	SHELDON INGERSOLL	Calibration Date:	22-Aug-12 15:07:15
Software Version:	WL INSITE R3.6.0 (Build 3)	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	33.0	25.8	api
Background + Calibrator	265.0	258.3	api
Calibrator	232.0	232.5	api
Shop	Field	Difference	Tolerance

	232.0	232.5	-0.5	+/- 9.00		
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:	SHELDON INGERSOLL			Calibration Date:	22-Aug-12 15:08:48	
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	-0.11	-0.00	0.01	ohmm
	Internal Reference	19.93	19.83	20.01	19.90	ohmm
	Summary					
	Signal	Shop	Field	Difference		Tolerance
	Microlog Normal	19.93	19.83	0.10		+/- 0.80
	Microlog Lateral	20.01	19.90	0.11		+/- 0.80
CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10811258						
Gamma Ray Calibrator	232.0	232.5	-----	-0.5	+/- 9.00	api
Microlog Pad-I066_M85803_P45						
MicroLog Normal	19.93	19.83	-----	0.10	+/-0.80	ohmm
MicroLog Lateral	20.01	19.90	-----	0.11	+/-0.80	ohmm
Data: HENTSCHEL_C-3I0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIDLE					Date: 03-Sep-12 21:03:49	
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	9.100	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	3950.00	ft
	SHARED	BHT	Bottom Hole Temperature	200.0	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	
	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	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	FLUC	Formation Fluids, Density Matrix	5000	g/cc

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
BOTTOM				
Data: HENTSCHEL_C_2I0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-CHMDLE				Date: 03-Sep-12 20:59:37

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		72.25	NO
SP	Spontaneous Potential		72.25	BLK
SPR	Raw Spontaneous Potential		72.25	NO
SPO	Spontaneous Potential Offset		72.25	NO
GTET				
TPUL	Tension Pull		64.23	NO
GR	Natural Gamma Ray API		64.23	TRI
GRU	Unfiltered Natural Gamma Ray API		64.23	NO
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution		64.23	W
ACCZ	Accelerometer Z		0.00	BLK
DEVI	Inclination		0.00	NO
DSNT				
TPUL	Tension Pull		53.99	NO
RNDS	Near Detector Telemetry Counts		54.09	BLK
RFDS	Far Detector Telemetry Counts		54.84	TRI
DNTT	DSN Tool Temperature		54.09	NO
DSNS	DSN Tool Status		53.99	NO
ERND	Near Detector Telemetry Counts EVR		54.09	BLK
ERFD	Far Detector Telemetry Counts EVR		54.84	BLK
ENTM	DSN Tool Temperature EVR		54.09	NO
SDLT				
TPUL	Tension Pull		44.09	NO
PCAL	Pad Caliper		44.09	TRI

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: HENTSCHEL_C_210001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-CHMIDLE			Date: 03-Sep-12 21:52:50	

COMPANY	OXY USA INC		
WELL	HENTSCHEL C-2		
FIELD	MUSTANG EAST		
COUNTY	MORTON	STATE	KANSAS
HALLIBURTON		MICROLOG	