

HALLIBURTON

BORE HOLE COMPENSATED SONIC ARRAY LOG

COMPANY WELL FIELD COUNTY STATE				HARTMAN OIL CO., LLC WILKINSON 1-22 WILDCAT WICHITA KANSAS			
COMPANY WELL FIELD COUNTY STATE				HARTMAN OIL CO., LLC WILKINSON 1-22 WILDCAT WICHITA KANSAS			
API No. 15-171-20913 Location 567' FSL 930' FWL LAT: 38°32' N LONG: 101°01' W				Other Services: ACRT DSNT/SDLT MICRO			
Sect. 22 Twp. 17S Rge. 34W				Elev. 3113.0 ft D.F. 3121.0 ft G.L. 3113.0 ft			
Permanent Datum Log measured from Drilling measured from				GL KB KB 10.0 ft above perm. Datum G.L.			
Date				06-Nov-12			
Run No.				ONE			
Depth - Driller				4950.00 ft			
Depth - Logger				4944.0 ft			
Bottom - Logged Interval				4917.0 ft			
Top - Logged Interval				2400.0 ft			
Casing - Driller				8.625 in @ 335.0 ft			
Casing - Logger				332.0 ft			
Bit Size				7.875 in @			
Type Fluid in Hole				WATER BASED			
Density				9.3 ppq 63.00 s/qt			
PH				10.00 pH 8.0 cp/m			
Source of Sample				FLOWLINE			
Rm @ Meas. Temperature				0.600 ohmm @ 70.00 degF			
Rmf @ Meas. Temperature				0.48 ohmm @ 70.00 degF			
Rmc @ Meas. Temperature				0.700 ohmm @ 70.00 degF			
Source Rmf				MEASURED MEASURED			
Rm @ BHT				0.39 ohmm @ 110.0 degF			
Time Since Circulation				10.0 hr			
Time on Bottom				06-Nov-12 16:38			
Max. Rec. Temperature				110.0 degF @ 4944.0 ft			
Equipment				10546696 LIBERAL			
Recorded By				T. HYDE			
Witnessed By				K. NOAH			

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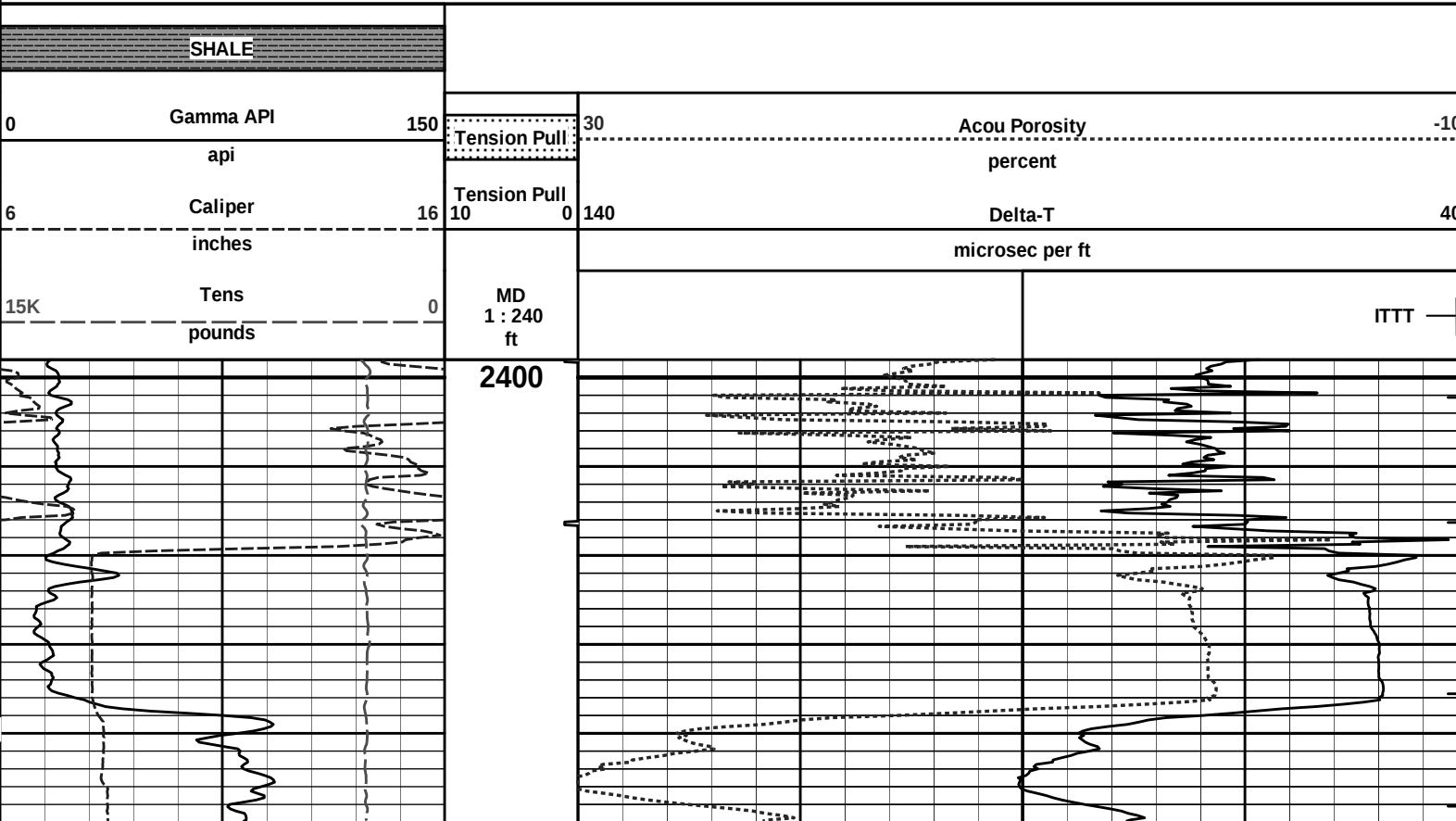
Service Ticket No.: 9926602						API Serial No.: 15-171-20913						PGM Version: WL INSITE R3.6.0 (Build 3)																	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE												RESISTIVITY SCALE CHANGES																	
Date		Sample No.										Type Log		Depth		Scale Up Hole				Scale Down Hole									
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.				@				@																					
Rmc @ Meas. Temp.				@				@																					
Source Rmf		Rmc																											
Rm @ BHT				@				@																					
Rmf @ BHT				@				@																					
Rmc @ BHT				@				@																					
EQUIPMENT DATA																													
GAMMA						ACOUSTIC						DENSITY						NEUTRON											
Run No.		ONE				Run No.		ONE				Run No.						Run No.											
Serial No.		11039640				Serial No.		10747684				Serial No.						Serial No.											
Model No.		GTET				Model No.		BSAT				Model No.						Model No.											
Diameter		3.625"				No. of Cent.		2				Diameter						Diameter											
Detector Model No.		T-102				Spacing		.5				Log Type						Log Type											
Type		SCINT										Source Type						Source Type											
Length		8"				LSA [Y/N]		Y				Serial No.						Serial No.											
Distance to Source		10'				FWDA [Y/N]		Y				Strength						Strength											

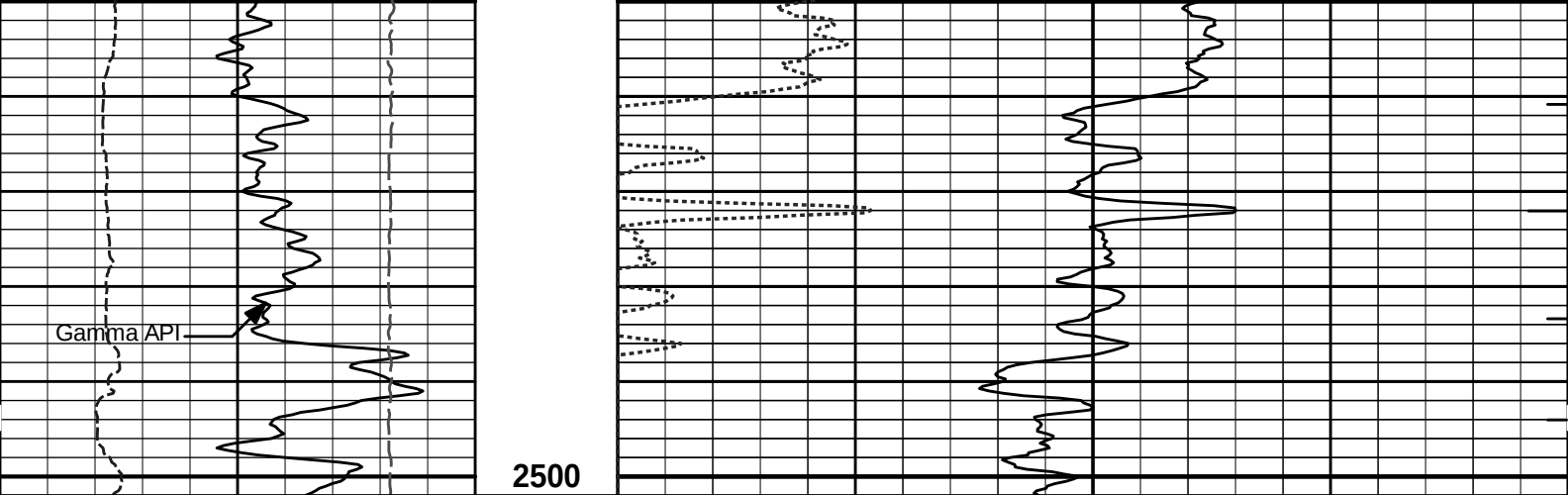
GENERAL			GAMMA		ACOUSTIC		DENSITY		NEUTRON					
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	4944	2400	REC	0	150	30	-10	47.6						
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING														
CHLORIDES REPORTED AT 7500 MG/L														
LCM REPORTED AT 2 PPB														
TODAY'S CREW V. JAIME K. KING														
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES LIBERAL, KANSAS 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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Plot Time: 06-Nov-12 17:33:44
Plot Range: 2398 ft to 2502 ft
Data: WILKINSON_1_22\Well Based\DAQ-0001-008\
Plot File: \\BSAT\BSAT_5_MAIN_LIB

5 INCH MAIN LOG





15K	Tens pounds	0	MD 1 : 240 ft		ITTT
6	Caliper inches	16	Tension Pull 10 0 140	Delta-T microsec per ft	40
0	Gamma API api	150	Tension Pull 30	Acou Porosity percent	-10
SHALE					

HALLIBURTON

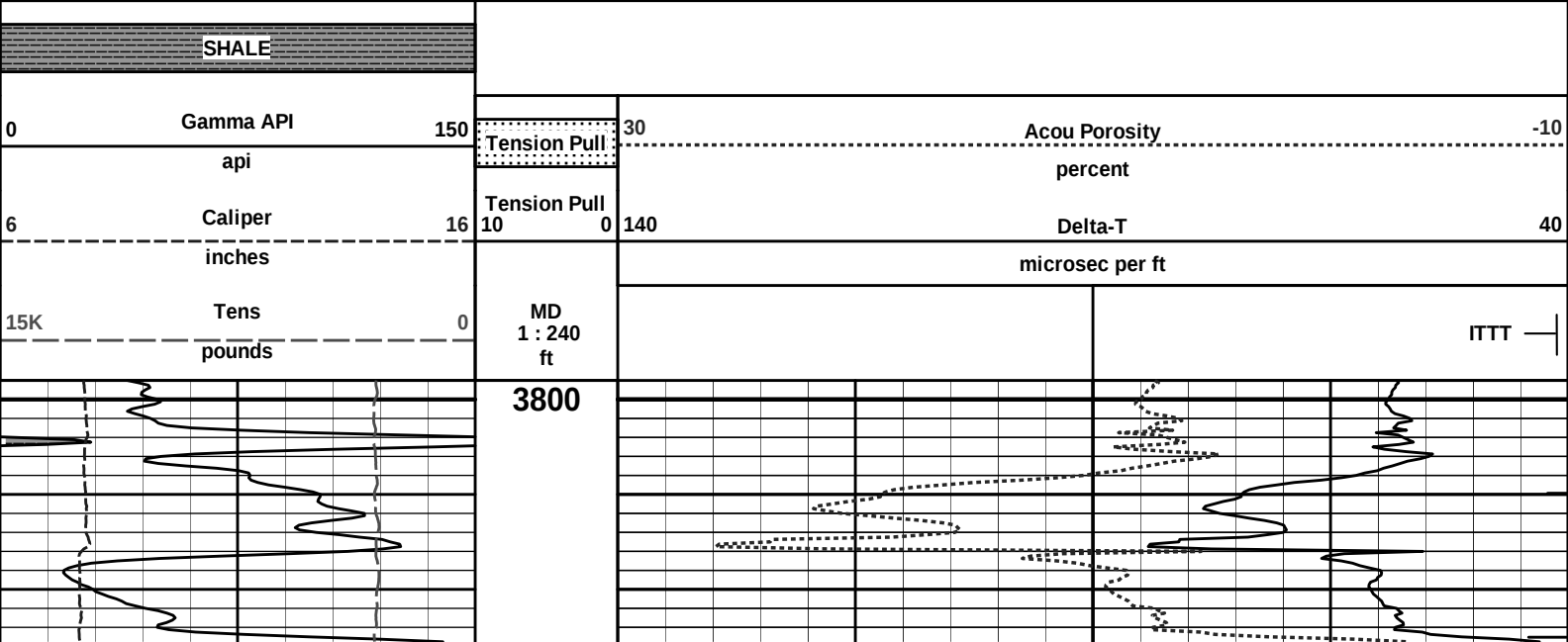
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Plot File: \\BSAT\BSAT_5_MAIN_LIB

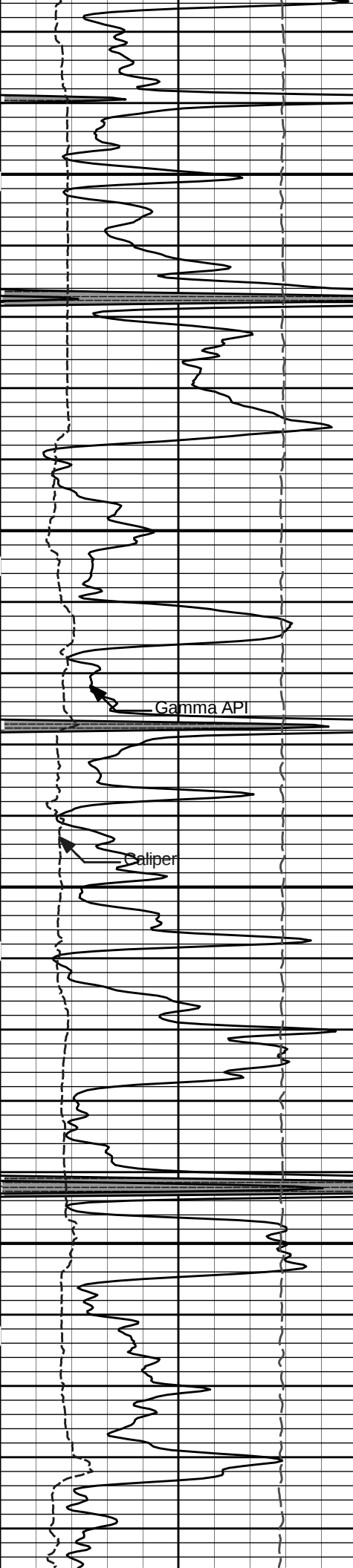
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 06-Nov-12 17:33:49
Plot Range: 3798 ft to 4946.5 ft
Data: WILKINSON_1_22\Well Based\DAQ-0001-008\
Plot File: \\BSAT\BSAT_5_MAIN_LIB

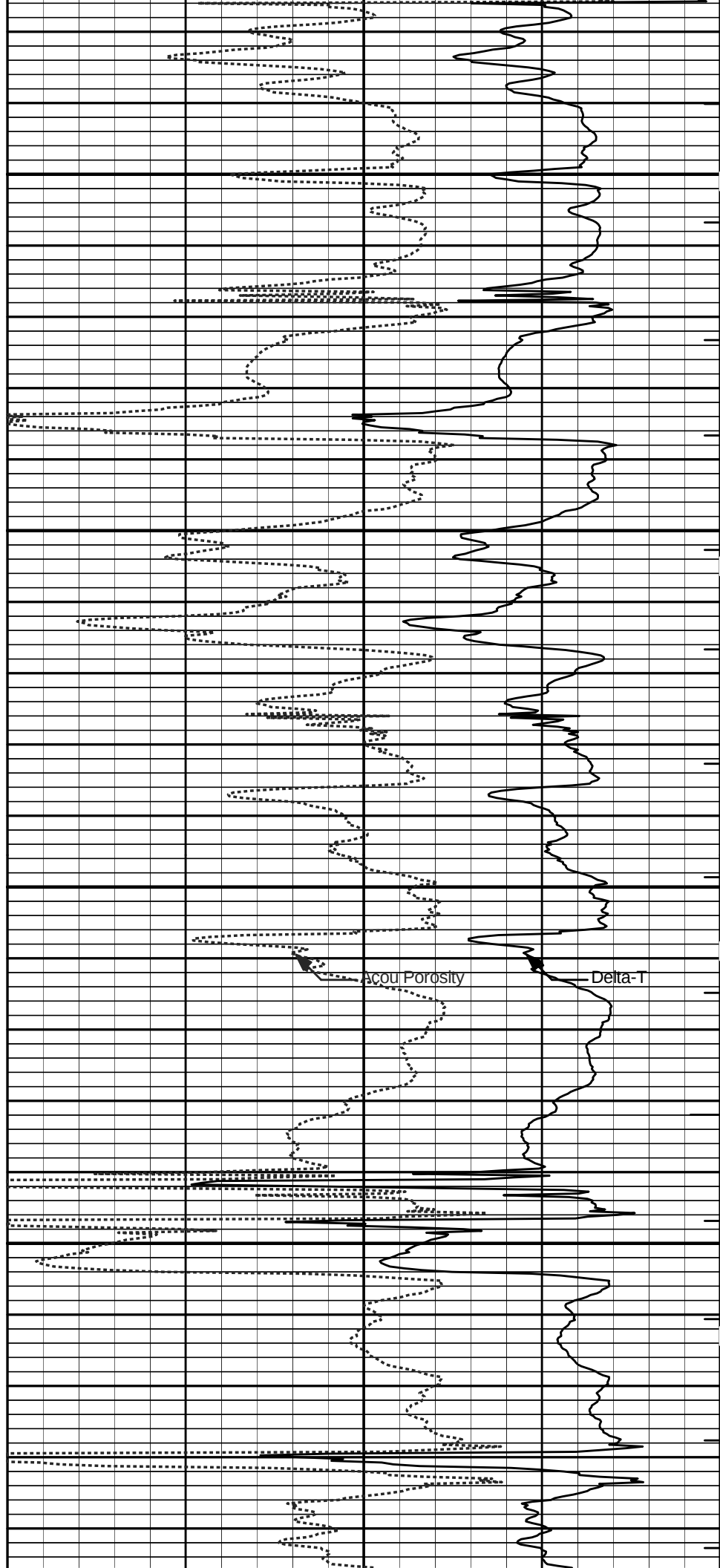
5 INCH MAIN LOG

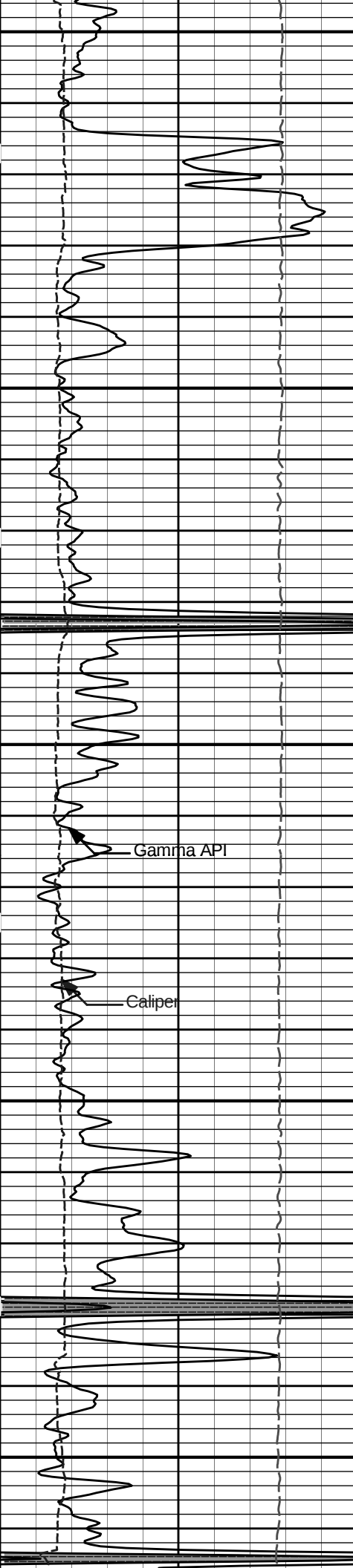




3900

4000



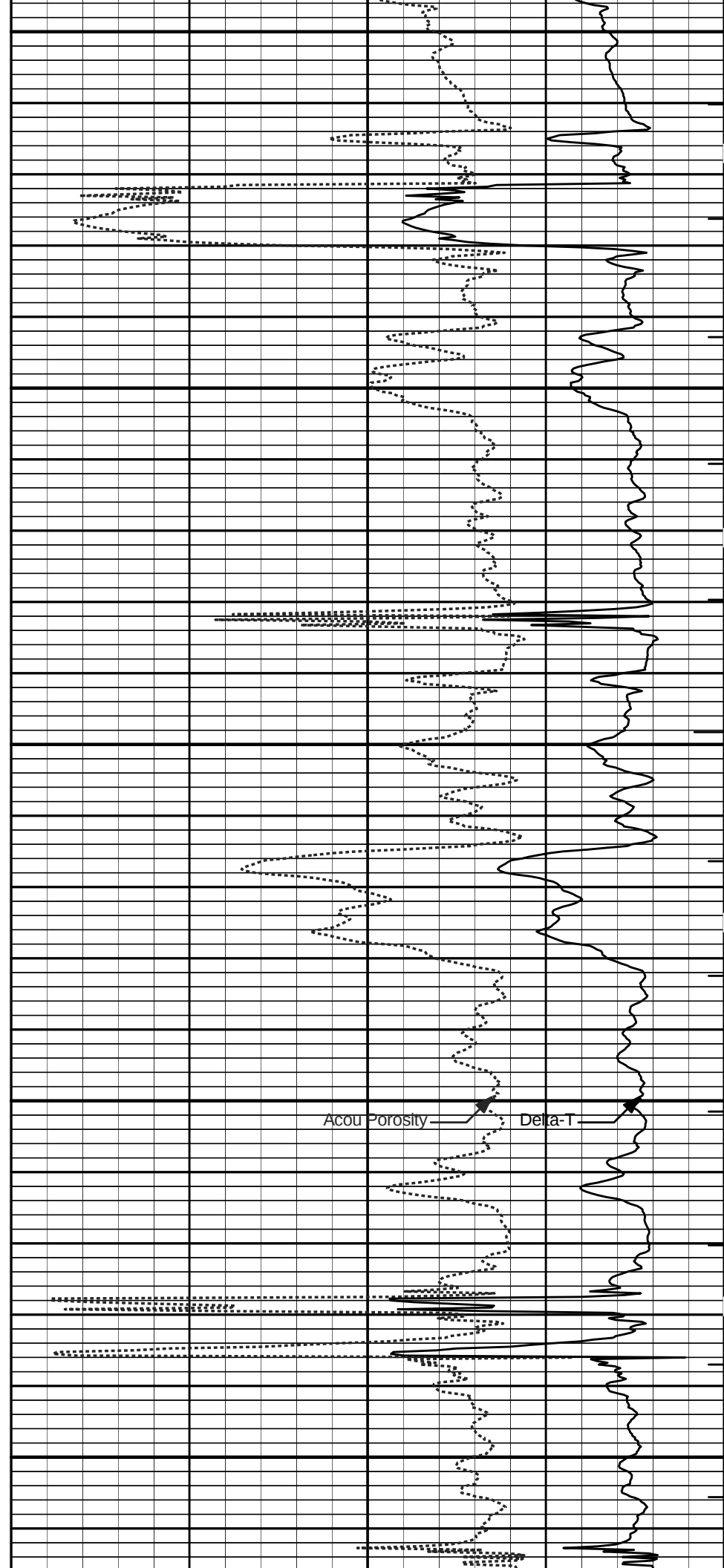


4100

4200

Gamma API

Caliper



Acou Porosity

Delta-T

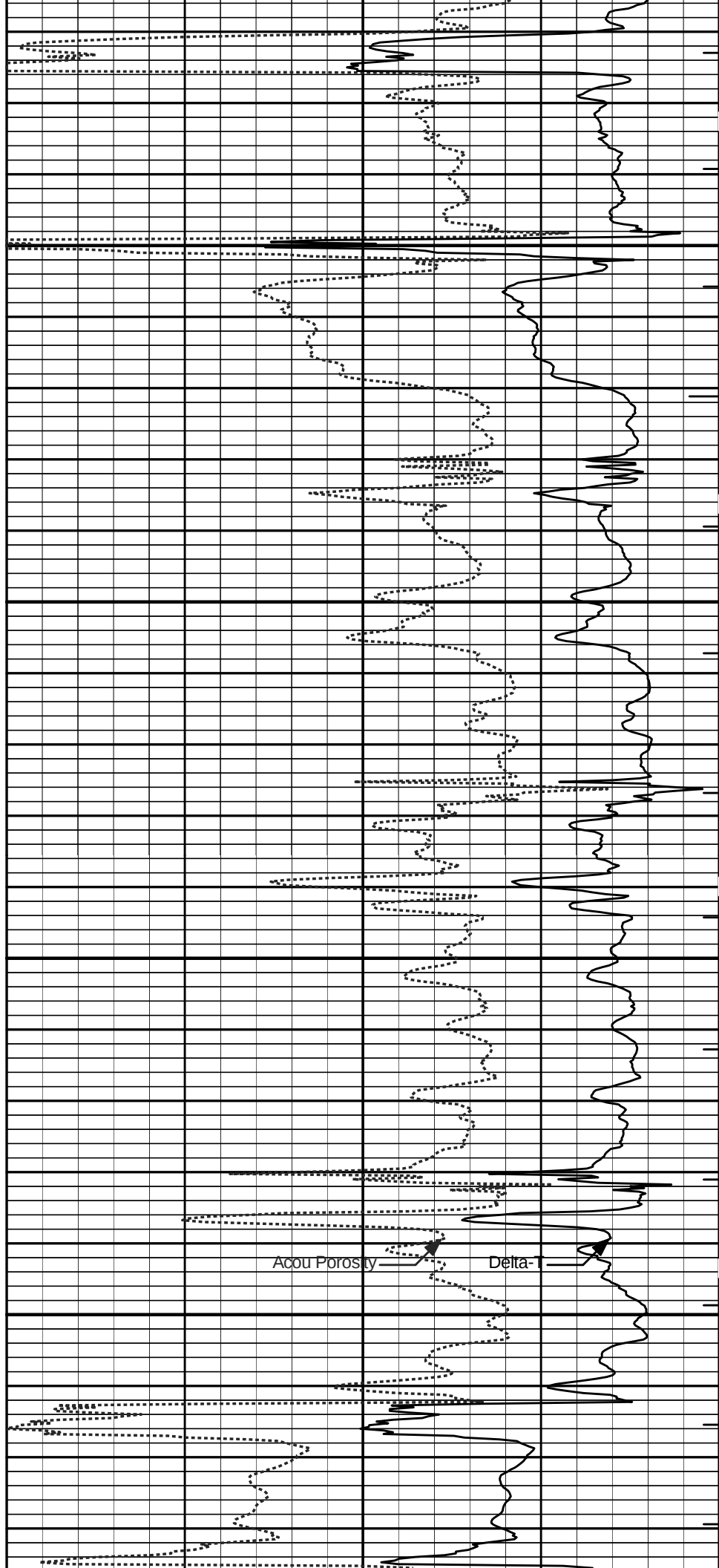


4300

4400

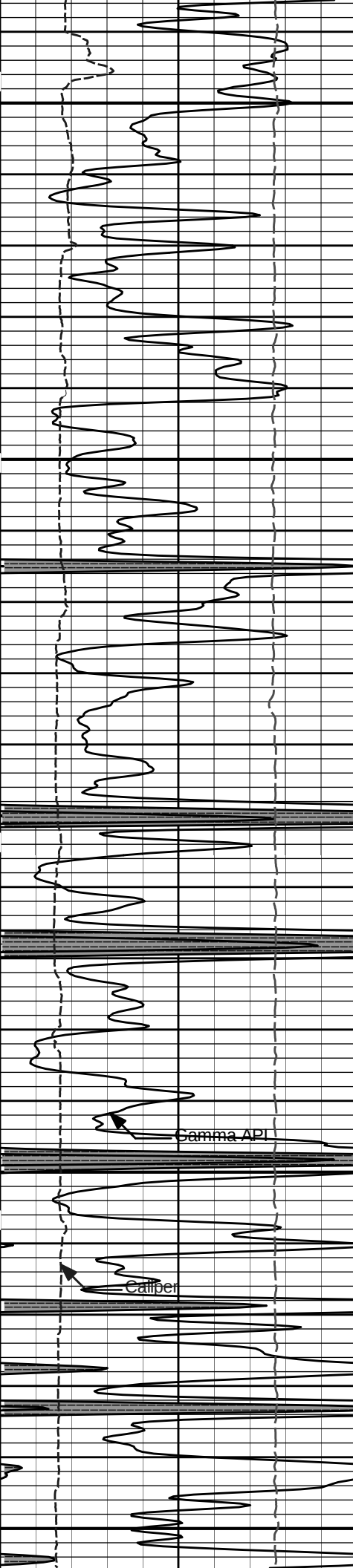
Gamma API

Caliper



Acou Porosity

Delta-T



4500

4600

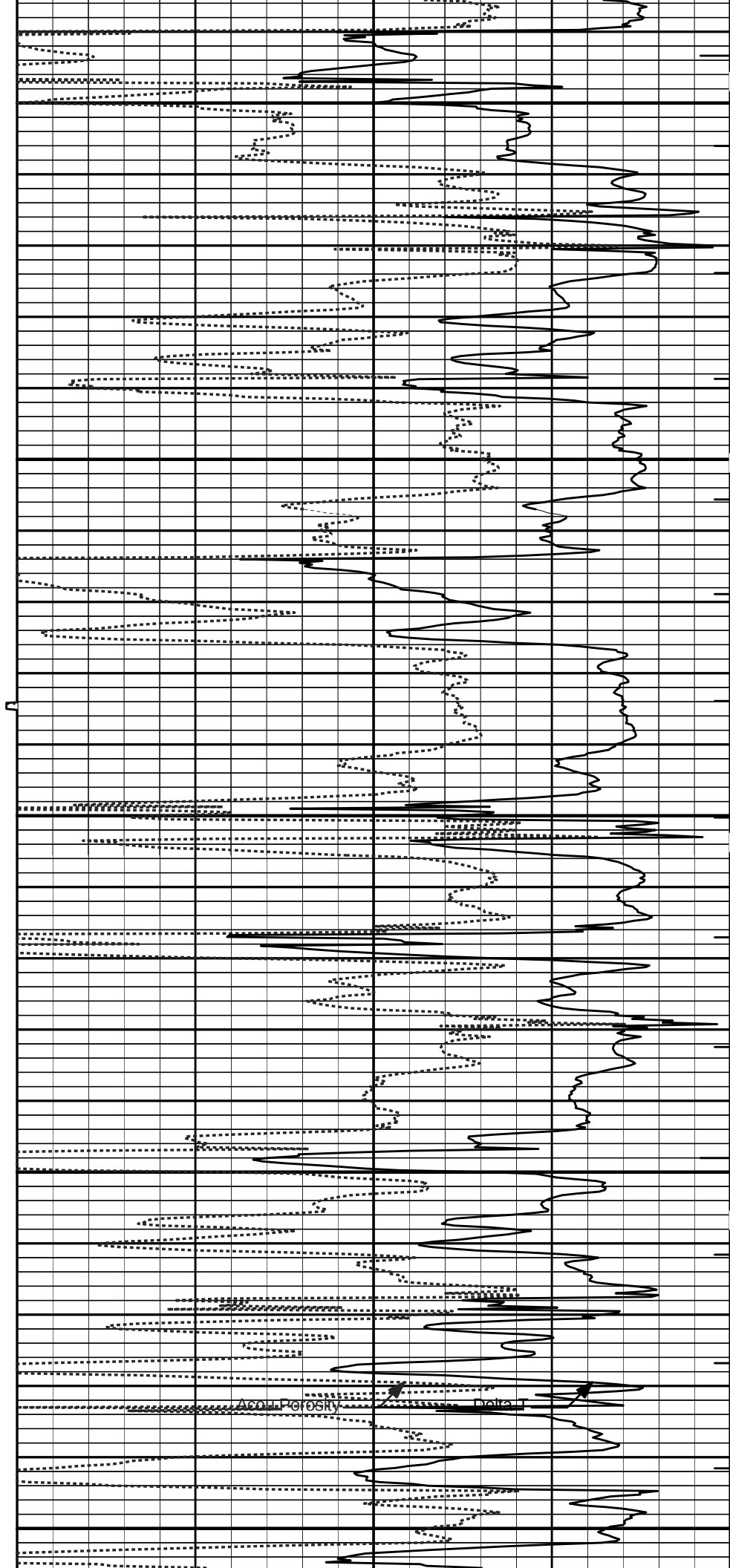
4700

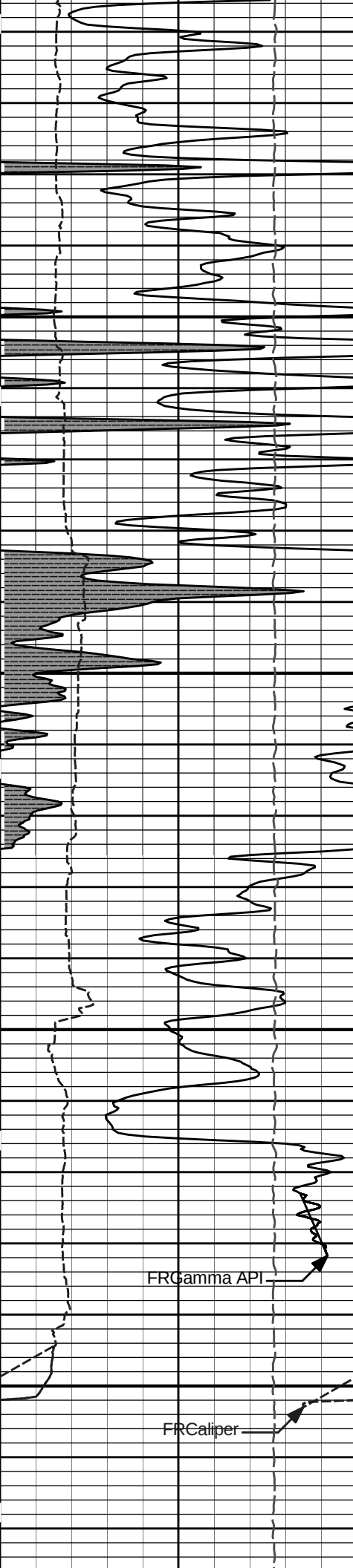
Gamma API

Caliper

Acid Porosity

Neutron



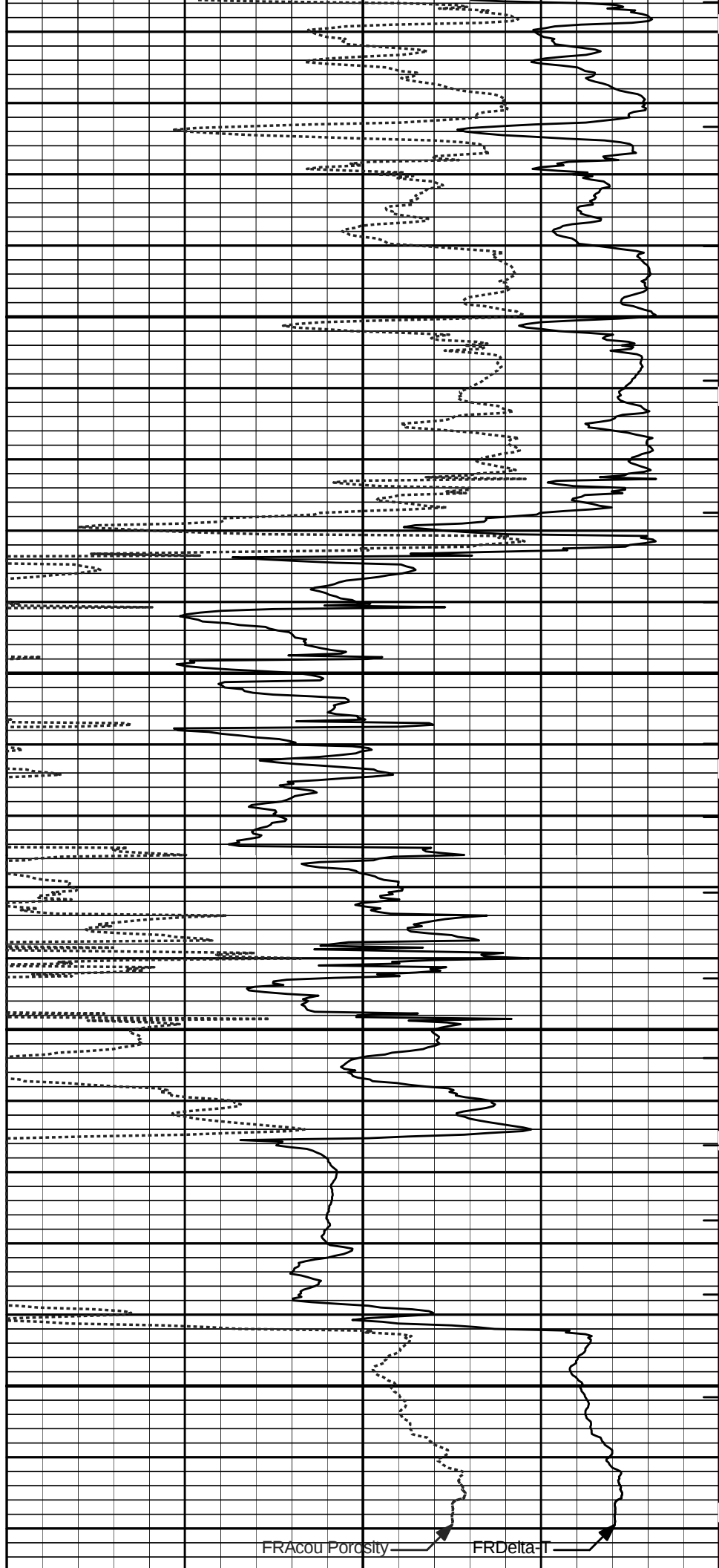


4800

4900

FRGamma API

FRCaliper



FRACou Porosity

FRDelta-T

15K	Tens	0	MD		ITTT —
	pounds		1 : 240		
			ft		
6	Caliper	16	Tension Pull	140	Delta-T
	inches		10 0		40
0	Gamma API	150			microsec per ft
	api		Tension Pull	30	Acou Porosity
					-10
					percent
SHALE					

HALLIBURTON

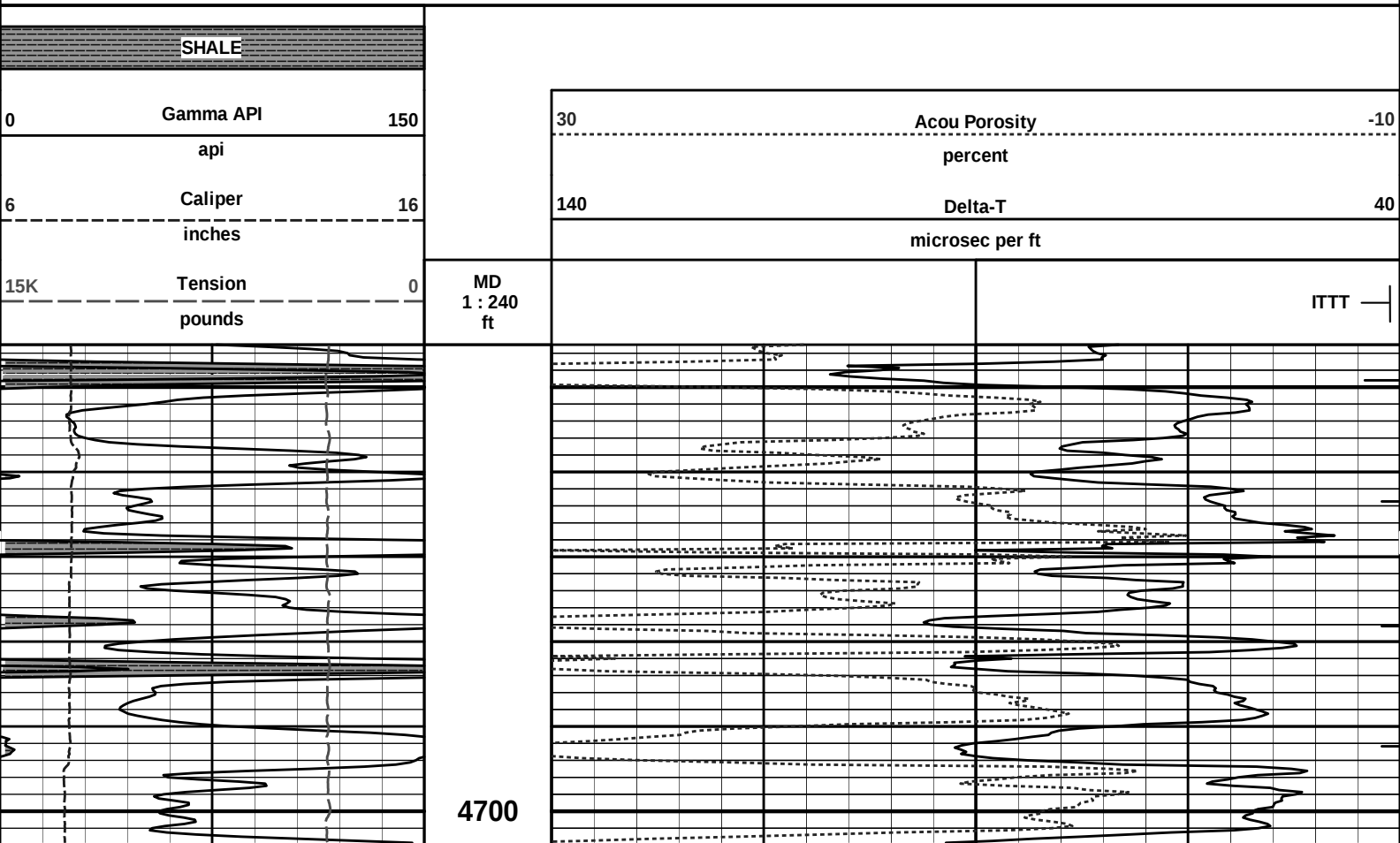
Plot Time: 06-Nov-12 17:33:59
Plot Range: 3798 ft to 4946.5 ft
Data: WILKINSON_1_22\Well Based\DAQ-0001-008\
Plot File: \BSAT\BSAT_5_MAIN_LIB

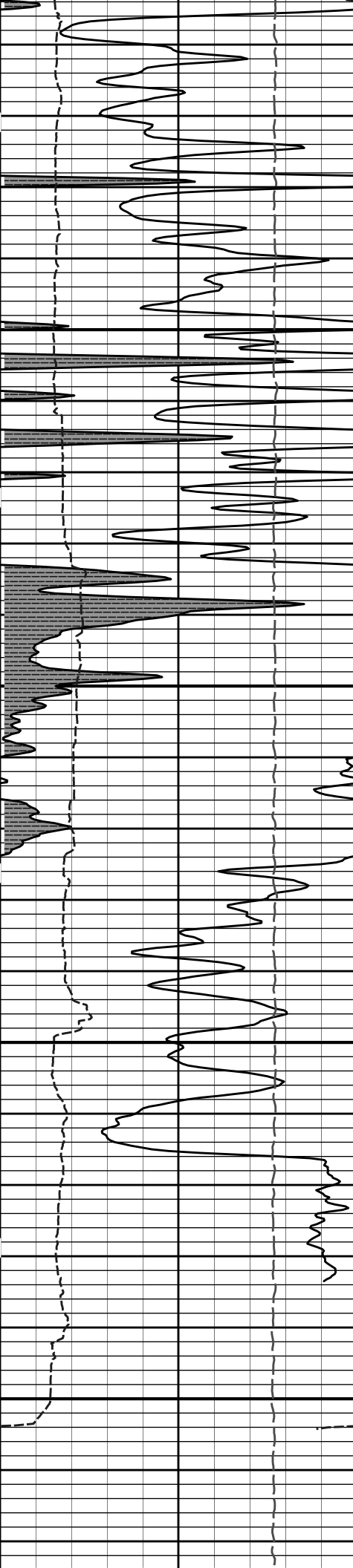
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 06-Nov-12 17:34:00
Plot Range: 4645 ft to 4948.25 ft
Data: WILKINSON_1_22\Well Based\DAQ-0001-007\
Plot File: \BSAT\BSAT_5_REP_LIB

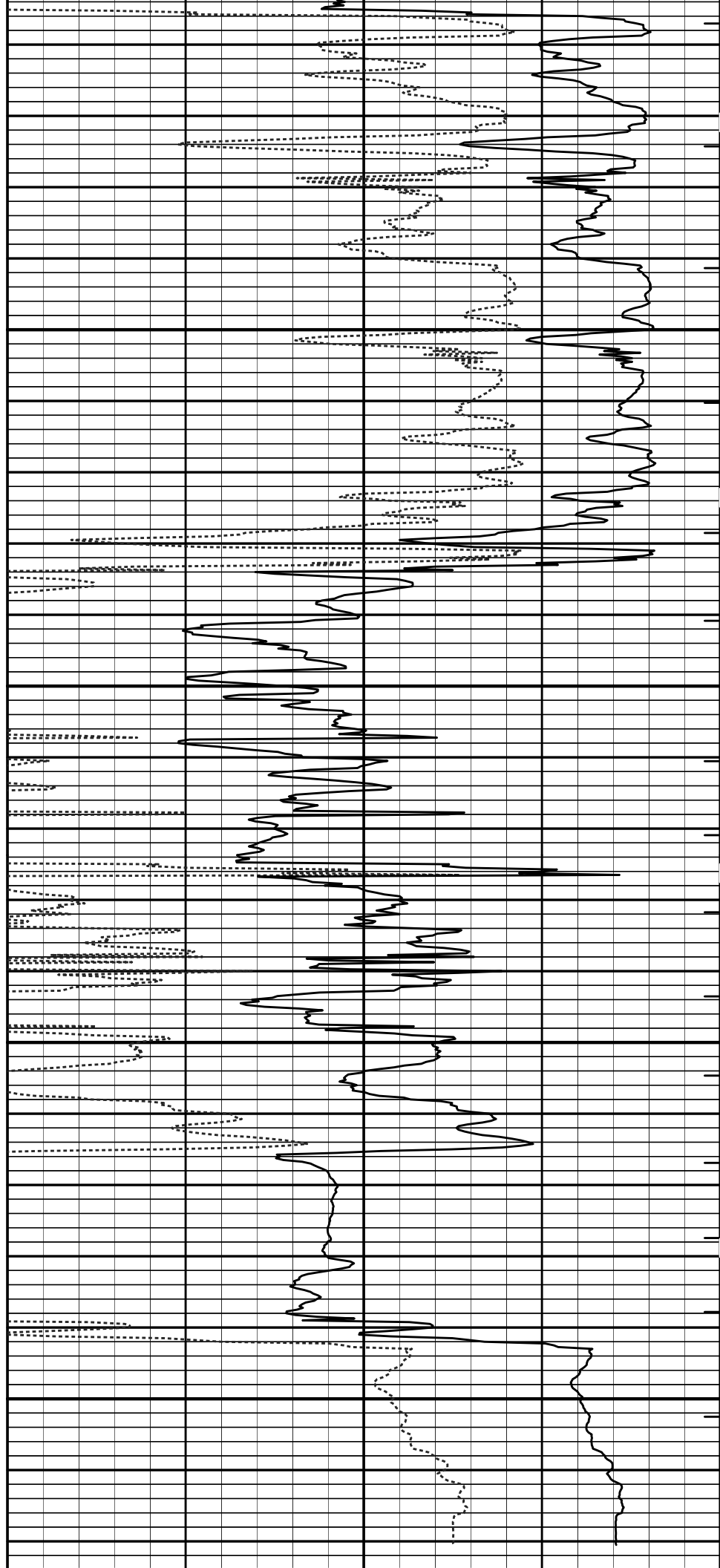
REPEAT SECTION

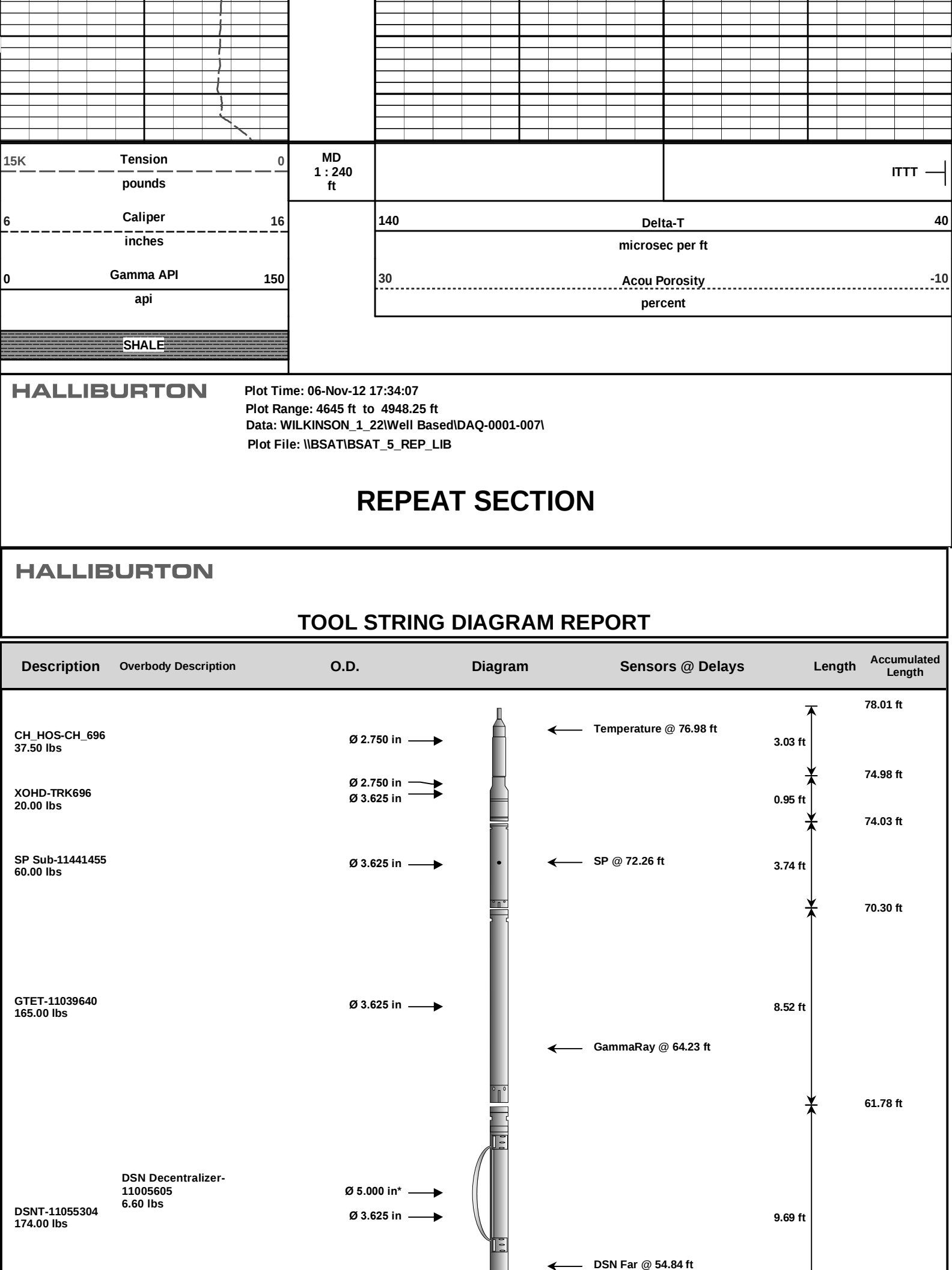


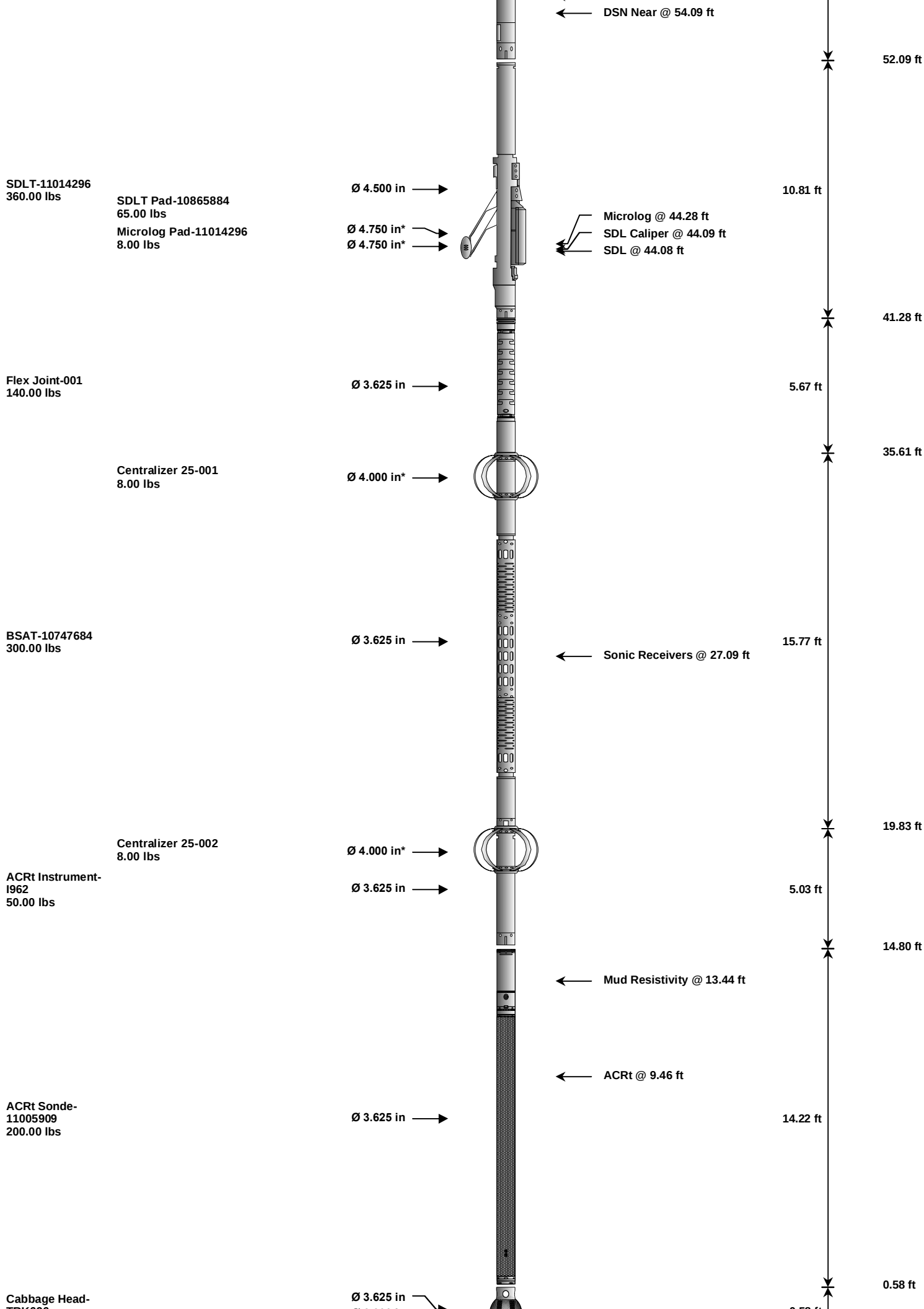


4800

4900







TRK696 10.00 lbs		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 HOS	Hostile Cable Head with Load Cell		CH 696	37.50	3.03	74.98	300.00
XOHD	Hostile to Dits Cross Over		TRK696	20.00	0.95	74.03	300.00
SP	SP Sub		11441455	60.00	3.74	70.30	300.00
GTET	Gamma Telemetry Tool		11039640	165.00	8.52	61.78	60.00
DSNT	Dual Spaced Neutron		11055304	174.00	9.69	52.09	60.00
DCNT	DSN Decentralizer		11005605	6.60	5.13	* 55.42	300.00
SDLT	Spectral Density Tool		11014296	360.00	10.81	41.28	60.00
MICP	Microlog Pad		11014296	8.00	1.00	* 43.78	60.00
SDLP	Density Insite Pad		10865884	65.00	2.55	* 43.49	60.00
FLEX	Flex Joint		001	140.00	5.67	35.61	300.00
BSAT	Borehole Sonic Array Tool		10747684	300.00	15.77	19.83	60.00
OBCEN	Centralizer - 25 in. Overbody		001	8.00	2.08	* 33.53	300.00
ACRt	Array Compensated True Resistivity Instrument Section		I962	50.00	5.03	14.80	300.00
OBCEN	Centralizer - 25 in. Overbody		002	8.00	2.08	* 17.83	300.00
ACRt	Array Compensated True Resistivity Sonde Section		11005909	200.00	14.22	0.58	300.00
CBHD	Cabbage Head		TRK696	10.00	0.58	0.00	300.00
Total				1,612.10	78.01		
* Not included in Total Length and Length Accumulation.							
Data: WILKINSON_1_22I0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\IDLE							
Date: 06-Nov-12 14:30:13							

HALLIBURTON				
CALIBRATION REPORT				
NATURAL GAMMA RAY TOOL SHOP CALIBRATION				
Tool Name:	GTET - 11039640		Reference Calibration Date:	25-Sep-12 15:48:12
Engineer:	T. HYDE		Calibration Date:	02-Nov-12 10:48:45
Software Version:	WL INSITE R3.6.0 (Build 3)		Calibration Version:	1
Calibrator Source S/N: TB146				
Calibrator API Reference:265.00 api				
Equivalent Calibrator API Reference:269.6 api				
	Measurement	Measured	Calibrated	Units
	Background	63.1	62.7	api
	Background + Calibrator	334.4	332.3	api
	Calibrator	271.3	269.6	api
NATURAL GAMMA RAY TOOL FIELD CALIBRATION				
Tool Name:	GTET - 11039640		Reference Calibration Date:	02-Nov-12 10:48:45
Engineer:	T. HYDE		Calibration Date:	06-Nov-12 14:49:34
Software Version:	WL INSITE R3.6.0 (Build 3)		Calibration Version:	1
Calibrator Source S/N: TB146				
Calibrator API Reference:265.00 api				
Equivalent Calibrator API Reference:269.6 api				
	Field Verification	Shop	Field	Units
	Background	62.7	36.2	api
	Background + Calibrator	332.3	304.7	api
	Calibrator	269.6	268.5	api
	Shop	Field	Difference	Tolerance
	269.6	268.5	1.1	+/- 9.00

BSAT FIELD CASING CHECK								
Tool Name:		BSAT - 10747684			Calibration Date:		06-Nov-12 15:51:52	
Engineer:		T. HYDE						
Software Version:		WL INSITE R3.6.0 (Build 3)			Calibration Version:		1	
	Pre-Log Check	Check Depth	Shop	Field	Difference	Tolerance	Units	
	Delta-T Compensated	148.01	57.00	56.07	0.9300	1.00	uspf	
CALIBRATION SUMMARY								
Sensor		Shop	Field	Post	Difference	Tolerance	Units	
GTET-11039640								
Gamma Ray Calibrator		269.6	268.5	-----	1.1	+/- 9.00	api	
Data: WILKINSON_1_22\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\IDLE							Date: 06-Nov-12 16:15:21	
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			70.0	degF	
	SHARED	CSD	Logging Interval is Cased?			No		
	SHARED	ICOD	AHV Casing OD			5.500	in	
	SHARED	ST	Surface Temperature			70.0	degF	
	SHARED	TD	Total Well Depth			4950.00	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	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: WILKINSON_1_22\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\IDLE			Date: 06-Nov-12 15:26:32	

HALLIBURTON INPUTS, DELAYS AND FILTERS TABLE				
Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
CH_HOS				
DHTN	DownholeTension	0.00	BLK	0.000
SP Sub				

PLTC	Plot Control Mask	72.25	NO	
SP	Spontaneous Potential	72.25	BLK	1.250
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	1.750
GRU	Unfiltered Natural Gamma Ray API	64.23	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	64.23	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
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

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: WILKINSON_1_2210001 SP-GTET-DSN-SDL-BSAT-ACRT-CH1DLE				Date: 06-Nov-12 15:26:42

COMPANY	HARTMAN OIL CO., LLC		
WELL	WILKINSON 1-22		
FIELD	WILDCAT		
COUNTY	WICHITA	STATE	KANSAS
HALLIBURTON		BORE HOLE COMPENSATED SONIC ARRAY LOG	