HALLIBURTON

MICROLOG

TENGASCO, INC. | ALBERS B #3 | GOOD SCIENCE | TREGO | KANSAS

COMPANY | WELL | FIELD/BLOCK | COUNTY | STATE

COMPANY **TENGASCO, INC.**

WELL **ALBERS B #3**

FIELD/BLOCK **GOOD SCIENCE**

COUNTY **TREGO** STATE **KANSAS**

API No. 15-195-22923-00-00

Location (SHL) 1660' FNL & 2090' FEL
SE-NW-SW-NE

Sect. 23 Twp. 15S Rge. 25W

Other Services:
ACRT
DSNT, SDLT

Permanent Datum	GL	Elev. 2496.0 ft	Elev.: K.B. 2503.0 ft
Log measured from	KB	7.0 ft above perm. Datum	D.F. 2502.0 ft
Drilling measured from	KB		G.L. 2496.0 ft

Date		23-Mar-14					
Run No.		ONE					
Depth - Driller		4629.00 ft					
Depth - Logger		4629.0 ft					
Bottom - Logged Interval		4603.0 ft					
Top - Logged Interval		3500.0 ft					
Casing - Driller		8.625 in @ 263.0 ft		@		@	
Casing - Logger		263.0 ft					
Bit Size		7.875 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.4 ppg	64.00 s/qt				
PH	Fluid Loss	10.50 pH	6.8 cptm				
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		0.750 ohmm @ 75.00 degF		@		@	
Rmf @ Meas. Temperature		0.65 ohmm @ 75.00 degF		@		@	
Rmc @ Meas. Temperature		0.890 ohmm @ 75.00 degF		@		@	
Source Rmf	Rmc	MEASURED	MEASURED				
Rm @ BHT		0.48 ohmm @ 120.0 degF		@		@	
Time Since Circulation		4.0 hr					
Time on Bottom		23-Mar-14 10:38					
Max. Rec. Temperature		120.0 degF @ 4629.0 ft		@		@	
Equipment	Location	11072142	LIBERAL				
Recorded By		J. BOLLOM					
Witnessed By		G. WAGNER					

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PGM Version: WL INSITE R4.2.0 (Build 2)

Service Ticket No.: 901200947 API Serial No.: 15-195-22923-00-00

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

Date	Sample No.				
Depth-Driller					
Type Fluid in Hole					
Density	Viscosity				
Ph	Fluid Loss				
Source of Sample					
Rm @ Meas. Temp		@	@	@	
Rmf @ Meas. Temp.		@	@	@	
Rmc @ Meas. Temp.		@	@	@	
Source Rmf	Rmc				
Rm @ BHT		@	@	@	
Rmf @ BHT		@	@	@	
Rmc @ BHT		@	@	@	

RESISTIVITY SCALE CHANGES

	Type Log	Depth	Scale Up Hole	Scale Down Hole

RESISTIVITY EQUIPMENT DATA

	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
	@				
	@	ONE	MICROLOG	RUBBER	ADJ	N/A
	@		10950489			
	@					
	@					
	@					

EQUIPMENT DATA

	GAMMA	ACOUSTIC	DENSITY	NEUTRON
Run No.	ONE				
Serial No.	11048627				
Model No.	GTET				
Diameter	3.625"				
Detector Model No.	T-102				
Type	SCINT				
Length	8'	LSA [Y/N]			
Distance to Source	10'	FWDA [Y/N]			

LOGGING DATA

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	4629	3500	REC	0	150									

DIRECTIONAL INFORMATION

Maximum Deviation @	KOP @

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING

CHLORIDES REPORTED AT 3,300 MG/L

LCM REPORTED AT 3 LB/BBL

GTET-DSNT-SDLT-ACRT RUN IN COMBINATION

TODAY'S CREW: M. GRAHAM & D. MILLER

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES LIBERAL, KS. 620-624-8123

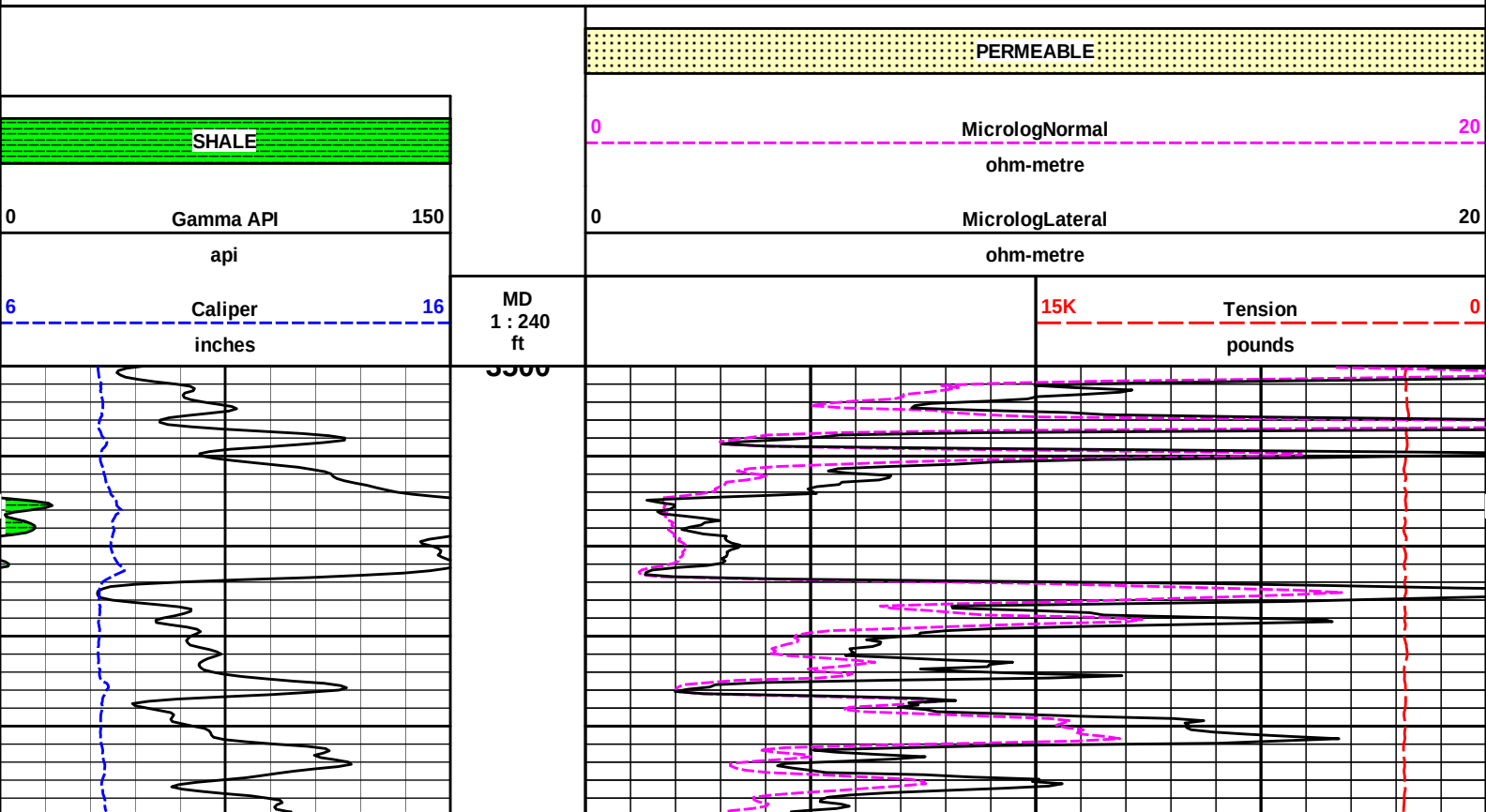
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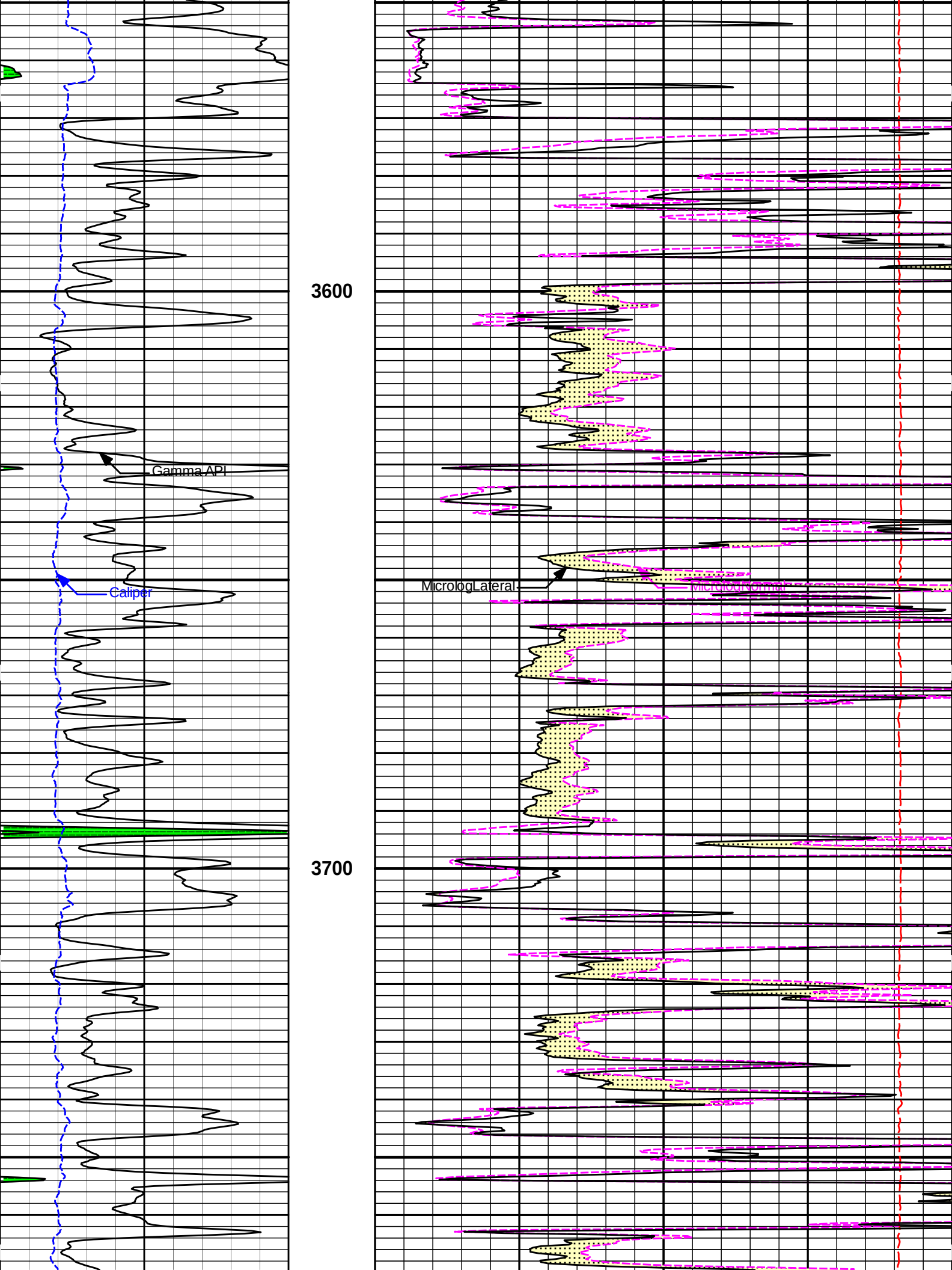
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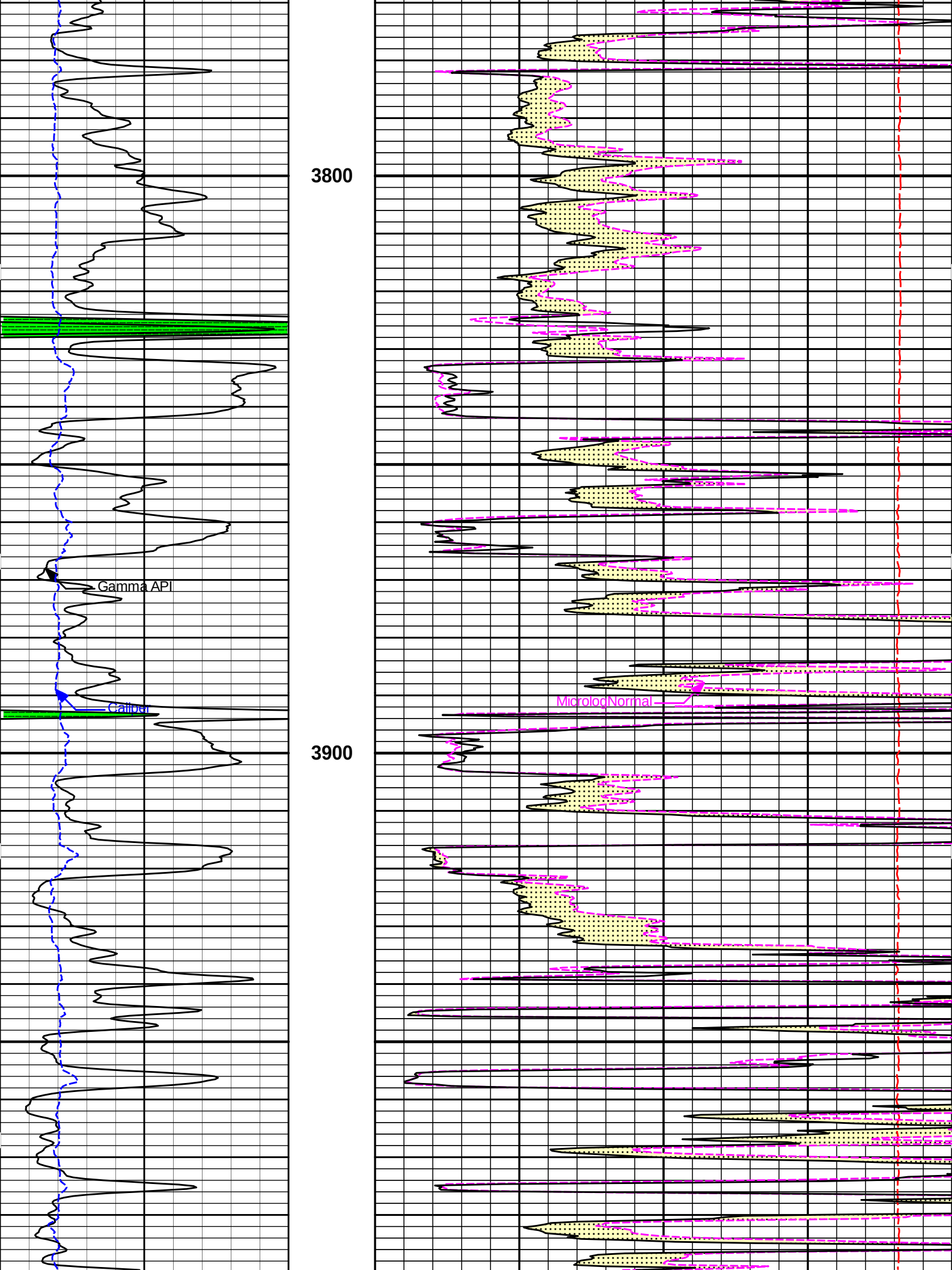
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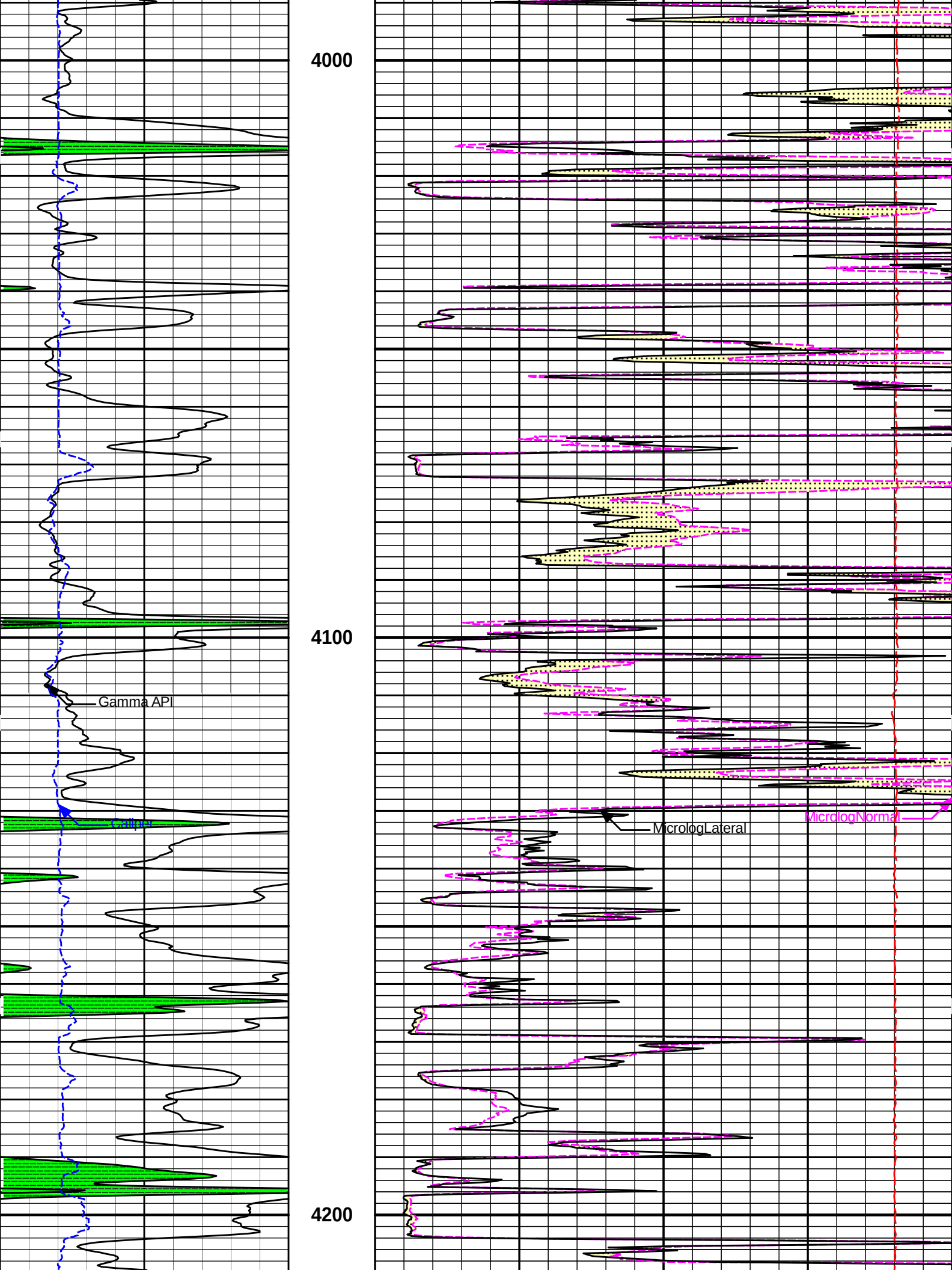
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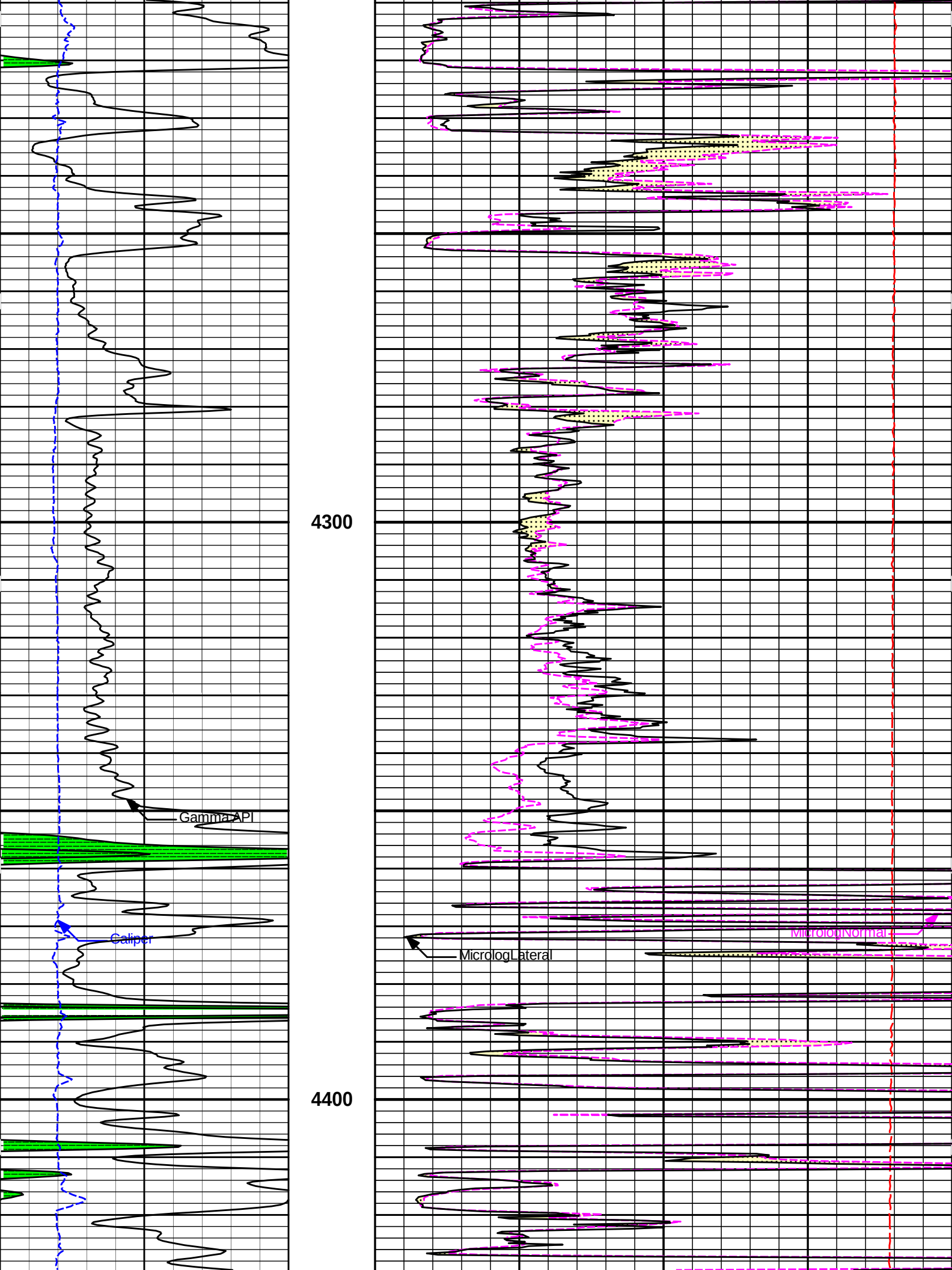
5 INCH MAIN LOG

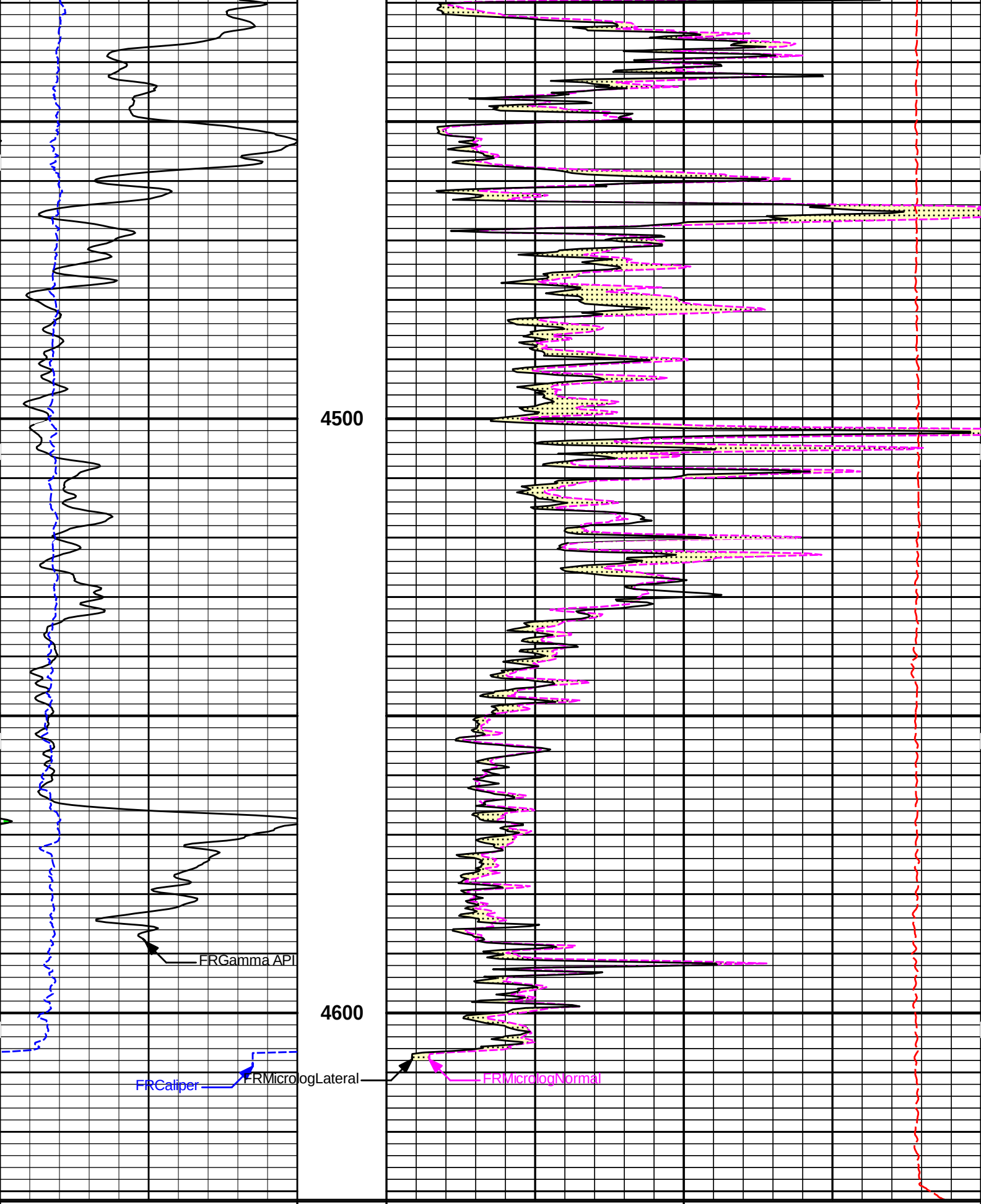



3600
Gamma API
Caliper
MicrologLateral
3700

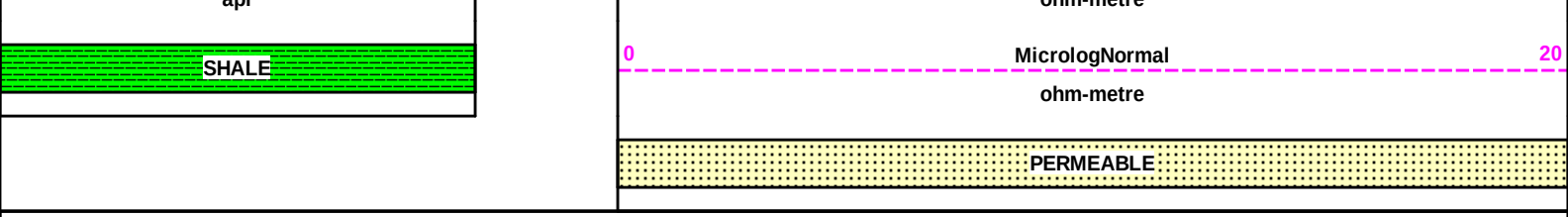

3800
Gamma API
Caliper
MicrologNormal
3900


4000
4100
4200
Gamma API
Caliper
MicrologLateral
MicrologNormal


4300
4400
Gamma API
Caliper
MicrologLateral
MicrologNormal



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



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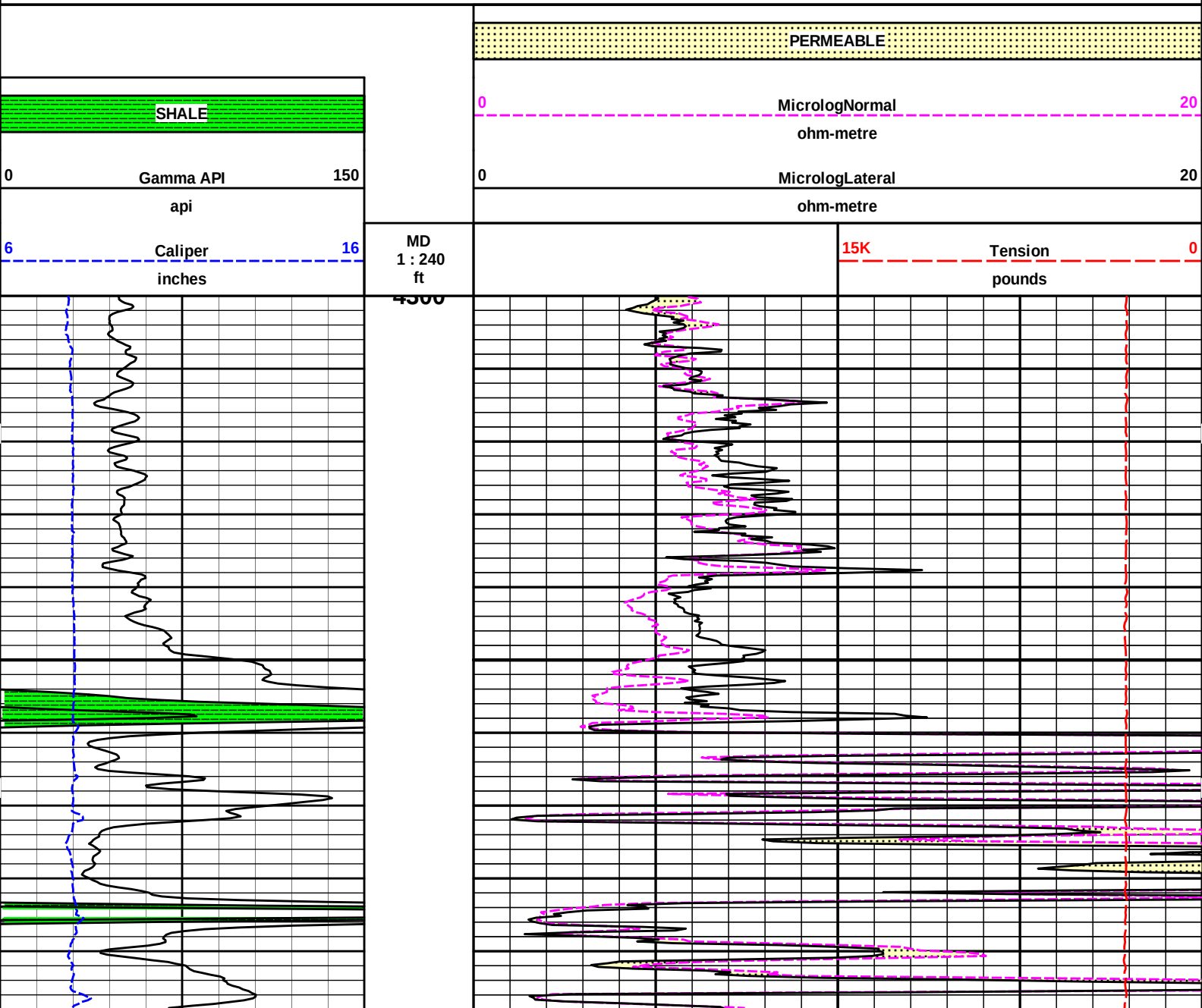
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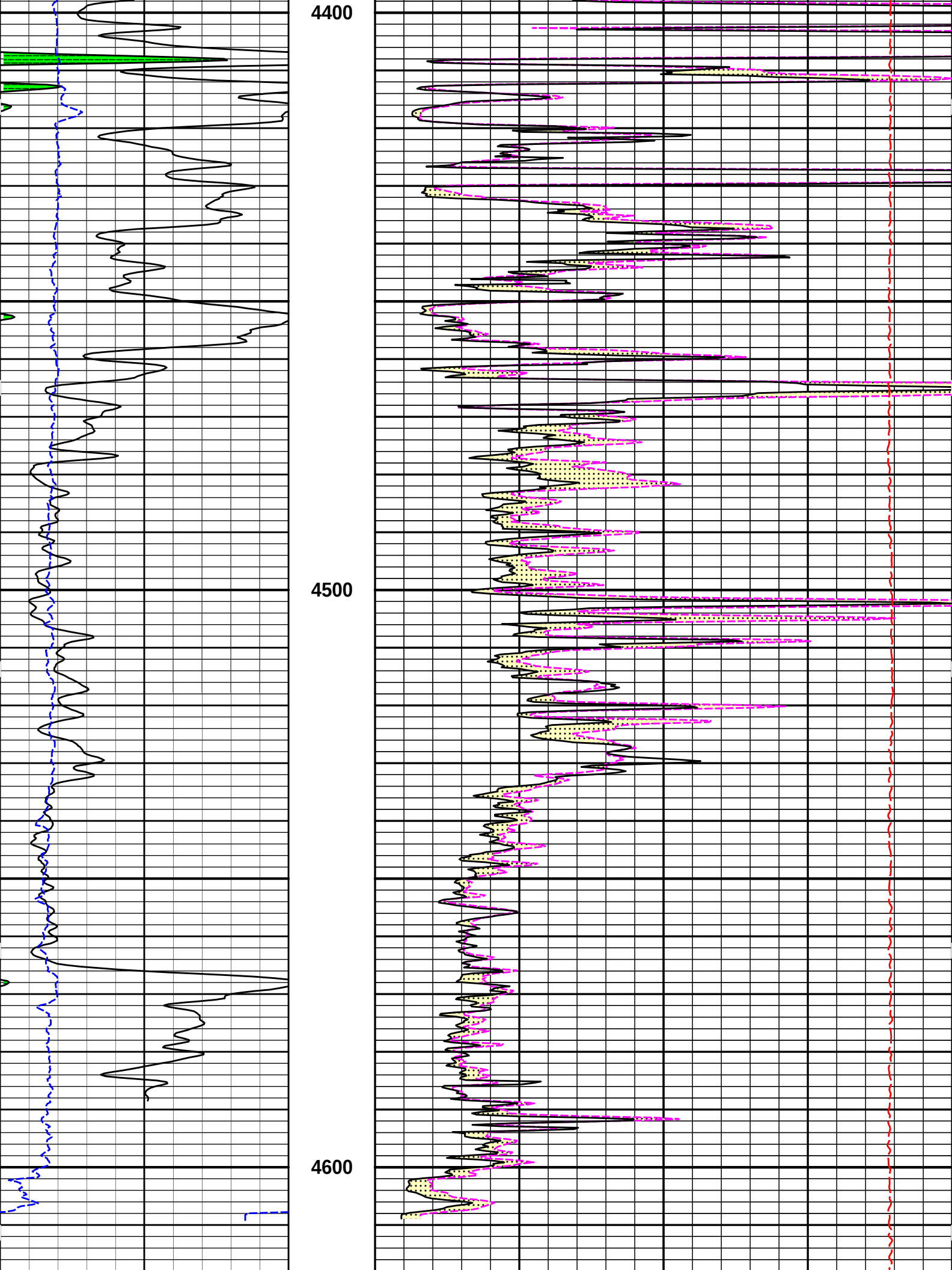
5 INCH MAIN LOG

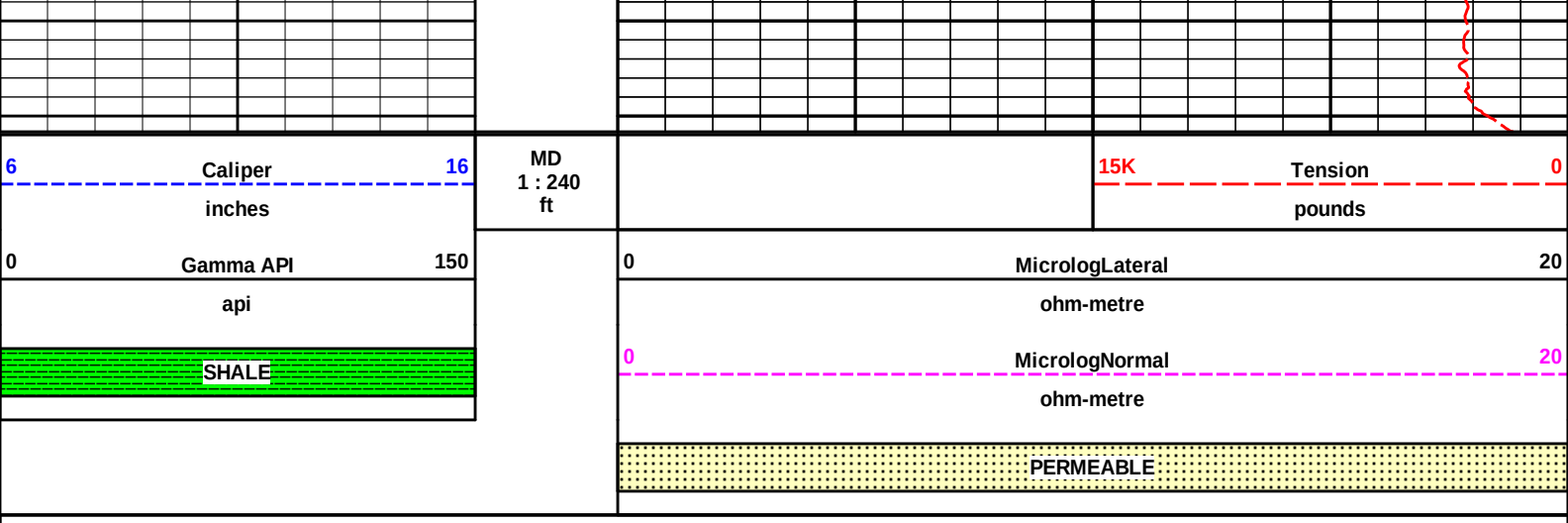
HALLIBURTON

Plot Time: 23-Mar-14 11:35:03
Plot Range: 4300 ft to 4631.67 ft
Data: ALBERS_B_3\Well Based\REPEAT\
Plot File: \\-LOCAL-\ALBERS_B_3\0001 SP-GTET-DSNT-SDLT-ACRT-BN\MICRO\Microlog_IQ_5_rep_lib

REPEAT SECTION




4400
4500
4600



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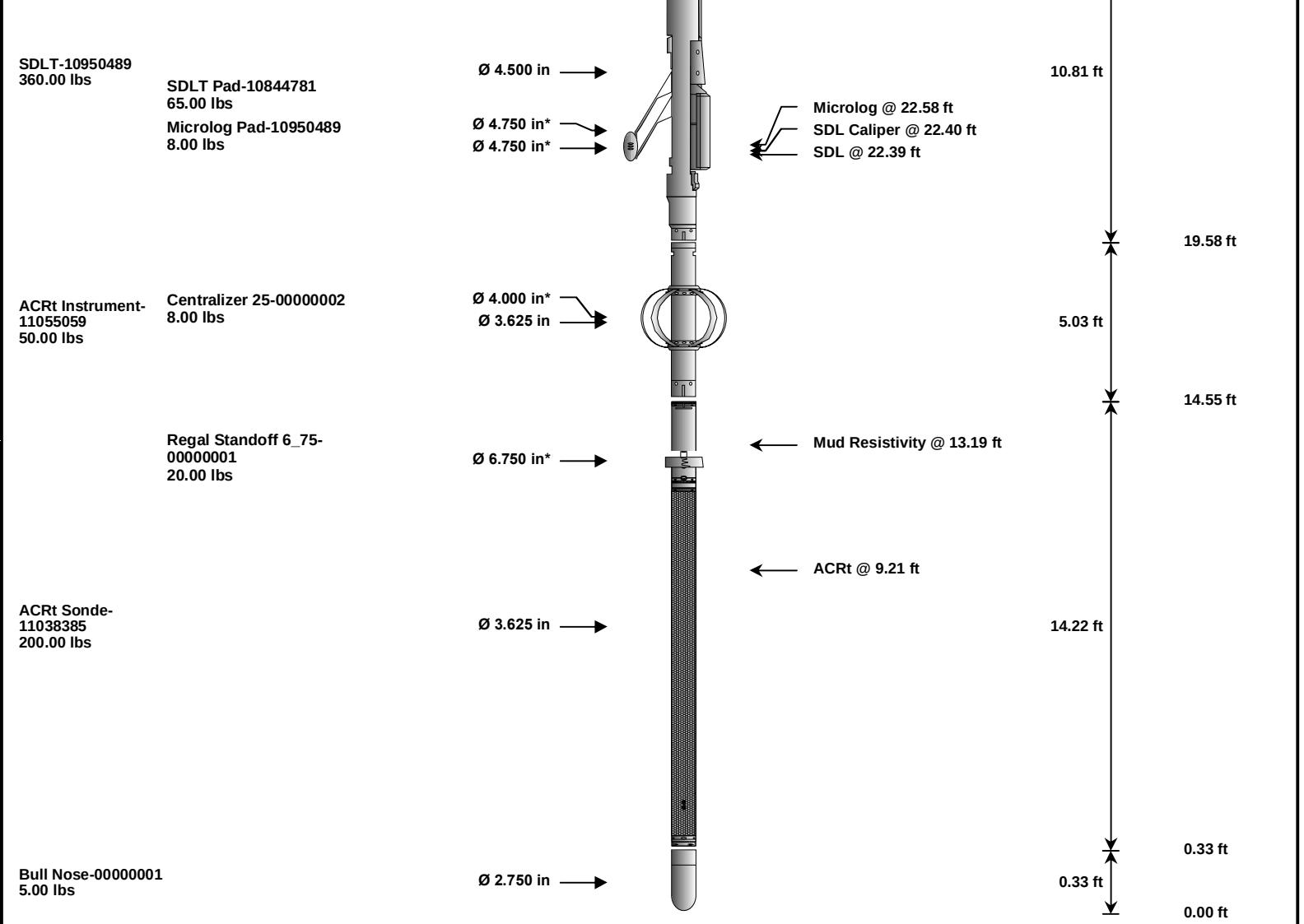
Plot Time: 23-Mar-14 11:35:03
Plot Range: 4300 ft to 4631.67 ft
Data: ALBERS_B_3\Well Based\REPEAT\
Plot File: \\-LOCAL-\ALBERS_B_3\0001 SP-GTET-DSNT-SDLT-ACRT-BN\MICRO\Microlog_IQ_5_rep_lib

REPEAT SECTION

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TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
Cable Head-12345678 30.00 lbs		Ø 3.625 in			1.92 ft	54.26 ft
						52.34 ft
SP Sub-12345678 60.00 lbs		Ø 3.625 in		SP @ 50.56 ft	3.74 ft	
						48.60 ft
GTET-11048627 165.00 lbs		Ø 3.625 in			8.52 ft	
				GammaRay @ 42.54 ft		
						40.08 ft
	DSN Decentralizer-11019643 6.60 lbs	Ø 5.000 in*				
DSNT-11019643 174.00 lbs		Ø 3.625 in			9.69 ft	
				DSN Far @ 33.15 ft DSN Near @ 32.40 ft		
						30.40 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)		Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	Standard OH Cable Head	12345678	30.00	1.92		52.34	300.00
SP	SP Sub	12345678	60.00	3.74		48.60	300.00
GTET	Gamma Telemetry Tool	11048627	165.00	8.52		40.08	60.00
DSNT	Dual Spaced Neutron	11019643	174.00	9.69		30.40	60.00
DCNT	DSN Decentralizer	11019643	6.60	5.13	*	33.73	300.00
SDLT	Spectral Density Tool	10950489	360.00	10.81		19.58	60.00
SDLP	Density Insite Pad	10844781	65.00	2.55	*	21.79	60.00
MICP	Microlog Pad	10950489	8.00	1.00	*	22.08	60.00
ACRt	Array Compensated True Resistivity Instrument Section	11055059	50.00	5.03		14.55	120.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	*	16.12	300.00
ACRt	Array Compensated True Resistivity Sonde Section	11038385	200.00	14.22		0.33	120.00
RSOF	Regal Standoff 6.75in	00000001	20.00	0.52	*	12.42	300.00
BLNS	Bull Nose	00000001	5.00	0.33		0.00	300.00
Total			**1,151.60**	**54.26**			

* Not included in Total Length and Length Accumulation.

Data: ALBERS_B_3\0001 SP-GTET-DSNT-SDLT-ACRT-BN\IDLE **Date: 23-Mar-14 09:52:17**

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CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11048627 **Reference Calibration Date:** 06-Feb-14 08:33:07

Engineer:	**J. BOLLOM**	**Calibration Date:**	**20-Mar-14 10:12:25**
Software Version:	**WL INSITE R4.2.0 (Build 2)**	**Calibration Version:**	**1**

Calibrator Source S/N: Error

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Measurement	Measured	Calibrated	Units
Background	63.0	63.6	api
Background + Calibrator	330.4	333.2	api
Calibrator	267.4	269.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	**GTET - 11048627**	**Reference Calibration Date:**	**20-Mar-14 10:12:25**
Engineer:	**J. BOLLOM**	**Calibration Date:**	**20-Mar-14 10:15:17**
Software Version:	**WL INSITE R4.2.0 (Build 2)**	**Calibration Version:**	**1**

Calibrator Source S/N: Error

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Field Verification	Shop	Field	Units
Background	63.6	64.2	api
Background + Calibrator	333.2	335.3	api
Calibrator	269.6	271.1	api

Shop	Field	Difference	Tolerance
269.6	271.1	-1.5	+/- 9.00

MICRO LOG SHOP CALIBRATION

Tool Name:	**Microlog Pad - 10950489**	**Reference Calibration Date:**	**05-Mar-14 09:03:20**
Engineer:	**J. BOLLOM**	**Calibration Date:**	**19-Mar-14 14:57:28**
Software Version:	**WL INSITE R4.2.0 (Build 2)**	**Calibration Version:**	**1**
Host Tool Name:	**DSNT - 11019643**		

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		
	Measured	Calibrated	Measured	Calibrated	Units
Tool Zero	-0.06	-0.06	-0.01	-0.01	ohmm
Calibration Point #1	-0.01	0.00	-0.00	0.00	ohmm
Calibration Point #2	19.31	20.00	19.30	20.00	ohmm
Internal Reference	20.46	21.19	20.48	21.22	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	0.22	0.09	V
Calibration Point #1	15.01	1.92	V
Calibration Point #2	5030.27	6589.04	V
Internal Reference	5327.68	6990.38	V

MICRO LOG FIELD CHECK

Tool Name:	**Microlog Pad - 10950489**	**Reference Calibration Date:**	**19-Mar-14 14:57:28**
Engineer:	**J. BOLLOM**	**Calibration Date:**	**19-Mar-14 14:58:02**
Software Version:	**WL INSITE R4.2.0 (Build 2)**	**Calibration Version:**	**1**

Measurement	Micro Log Normal		Micro Log Lateral		
	Shop	Field	Shop	Field	Units

Tool Zero	-0.06	-0.06	-0.01	-0.01	ohmm
Internal Reference	21.19	21.19	21.22	21.22	ohmm

Summary

Signal	Shop	Field	Difference	Tolerence
Microlog Normal	21.19	21.19	0.00	+/- 0.80
Microlog Lateral	21.22	21.22	0.00	+/- 0.80

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11048627						
Gamma Ray Calibrator	269.6	271.1	----------	-1.5	+/- 9.00	api
Microlog Pad-10950489						
MicroLog Normal	21.19	21.19	----------	0.00	+/-0.80	ohmm
MicroLog Lateral	21.22	21.22	----------	0.00	+/-0.80	ohmm

Data: ALBERS_B_3\0001 SP-GTET-DSNT-SDLT-ACRT-BN\IDLE **Date: 23-Mar-14 09:55:18**

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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	9.400	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	4629.00	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	
	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	
	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	
	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
	ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
BOTTOM					

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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	54.26	NO	
BS	Bit Size	54.26	NO	
HDIA	Measured Hole Diameter	0.00	NO	
	SP Sub			

SP Sub				
PLTC	Plot Control Mask	50.56	NO	
SP	Spontaneous Potential	50.56	BLK	1.250
SPR	Raw Spontaneous Potential	50.56	NO	
SPO	Spontaneous Potential Offset	50.56	NO	
GTET				
TPUL	Tension Pull	42.54	NO	
GR	Natural Gamma Ray API	42.54	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	42.54	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	42.54	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	
DSNT				
TPUL	Tension Pull	32.30	NO	
RNDS	Near Detector Telemetry Counts	32.40	BLK	1.417
RFDS	Far Detector Telemetry Counts	33.15	TRI	0.583
DNTT	DSN Tool Temperature	32.40	NO	
DSNS	DSN Tool Status	32.30	NO	
ERND	Near Detector Telemetry Counts EVR	32.40	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	33.15	BLK	0.000
ENTM	DSN Tool Temperature EVR	32.40	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT				
TPUL	Tension Pull	22.40	NO	
PCAL	Pad Caliper	22.40	TRI	0.250
ACAL	Arm Caliper	22.40	TRI	0.250
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	22.39	NO	
NAB	Near Above	22.21	BLK	0.920
NHI	Near Cesium High	22.21	BLK	0.920
NLO	Near Cesium Low	22.21	BLK	0.920
NVA	Near Valley	22.21	BLK	0.920
NBA	Near Barite	22.21	BLK	0.920
NDE	Near Density	22.21	BLK	0.920
NPK	Near Peak	22.21	BLK	0.920
NLI	Near Lithology	22.21	BLK	0.920
NBAU	Near Barite Unfiltered	22.21	BLK	0.250
NLIU	Near Lithology Unfiltered	22.21	BLK	0.250
FAB	Far Above	22.56	BLK	0.250
FHI	Far Cesium High	22.56	BLK	0.250
FLO	Far Cesium Low	22.56	BLK	0.250
FVA	Far Valley	22.56	BLK	0.250
FBA	Far Barite	22.56	BLK	0.250
FDE	Far Density	22.56	BLK	0.250
FPK	Far Peak	22.56	BLK	0.250
FLI	Far Lithology	22.56	BLK	0.250
PTMP	Pad Temperature	22.40	BLK	0.920
NHV	Near Detector High Voltage	21.79	NO	
FHV	Far Detector High Voltage	21.79	NO	
ITMP	Instrument Temperature	21.79	NO	
DDHV	Detector High Voltage	21.79	NO	
HDIA	Measured Hole Diameter	0.00	NO	

HDIA	Measured Hole Diameter	0.00	NO	

Microlog Pad

TPUL	Tension Pull	22.58	NO	
MINV	Microlog Lateral	22.58	BLK	0.750
MNOR	Microlog Normal	22.58	BLK	0.750

Data: ALBERS_B_3\0001 SP-GTET-DSNT-SDLT-ACRT-BN\IDLE **Date: 23-Mar-14 09:53:12**

COMPANY	**TENGASCO, INC.**		
WELL	**ALBERS B #3**		
FIELD	**GOOD SCIENCE**		
COUNTY	**TREGO**	STATE	**KANSAS**

HALLIBURTON

MICROLOG