HALLIBURTON

MICROLOG

COMPANY	BEREXCO LLC
WELL	CRAIG 1-35
FIELD/BLOCK	MANNING NW
COUNTY	SCOTT
STATE	KANSAS

COMPANY **BEREXCO LLC**
WELL **CRAIG 1-35**
FIELD/BLOCK **MANNING NW**
COUNTY **SCOTT** STATE **KANSAS**

API No. 15-171-21024-00-00
Location (SHL) 925' FSL & 1674' FEL
SW NE SW SE

Other Services:
ACRT
DSNT, SDLT
BSAT

Sect. 35 Twp. 17S Rge. 31W

Permanent Datum	GL	Elev. 2917.0 ft	Elev.: K.B. 2929.0 ft
Log measured from	KB	12.0 ft above perm. Datum	D.F. 2928.0 ft
Drilling measured from	KB		G.L. 2917.0 ft

Date	11-Feb-14		
Run No.	ONE		
Depth - Driller	4695.00 ft		
Depth - Logger	4695.0 ft		
Bottom - Logged Interval	4651.0 ft		
Top - Logged Interval	3690.0 ft		
Casing - Driller	8.625 in @ 420.0 ft	@	@
Casing - Logger	418.0 ft		
Bit Size	7.875 in	@	@
Type Fluid in Hole	WATER BASED		
Density / Viscosity	9.7 ppg / 52.00 s/qt		
PH / Fluid Loss	9.00 pH / 7.0 cptm		
Source of Sample	MUD PIT		
Rm @ Meas. Temperature	0.900 ohmm @ 75.00 degF	@	@
Rmf @ Meas. Temperature	0.73 ohmm @ 75.00 degF	@	@
Rmc @ Meas. Temperature	1.210 ohmm @ 75.00 degF	@	@
Source Rmf / Rmc	MEASURED / MEASURED		
Rm @ BHT	0.59 ohmm @ 119.0 degF	@	@
Time Since Circulation	5.0 hr		
Time on Bottom	11-Feb-14 19:28		
Max. Rec. Temperature	119.0 degF @ 4695.0 ft	@	@
Equipment / Location	11230668 / LIBERAL		
Recorded By	J. BOLLOM		
Witnessed By	I. BOSMEJER		

Fold here

Service Ticket No.: 901111896 API Serial No.: 15-171-21024-00-00 PGM Version: WL INSITE R3.8.4 (Build 5)

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
	10673803			

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			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	4695	3690	REC	0	150									

DIRECTIONAL INFORMATION

Maximum Deviation @	KOP @

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING

CHLORIDES REPORTED AT 4,000 PPM

LCM REPORTED AT 1.5 LB/BBL

GTET-DSNT-SDLT-BSAT-ACRT RUN IN COMBINATION

PRE-CALS NOT PERFORMED, DST EQUIPMENT LEFT ON CATWALK

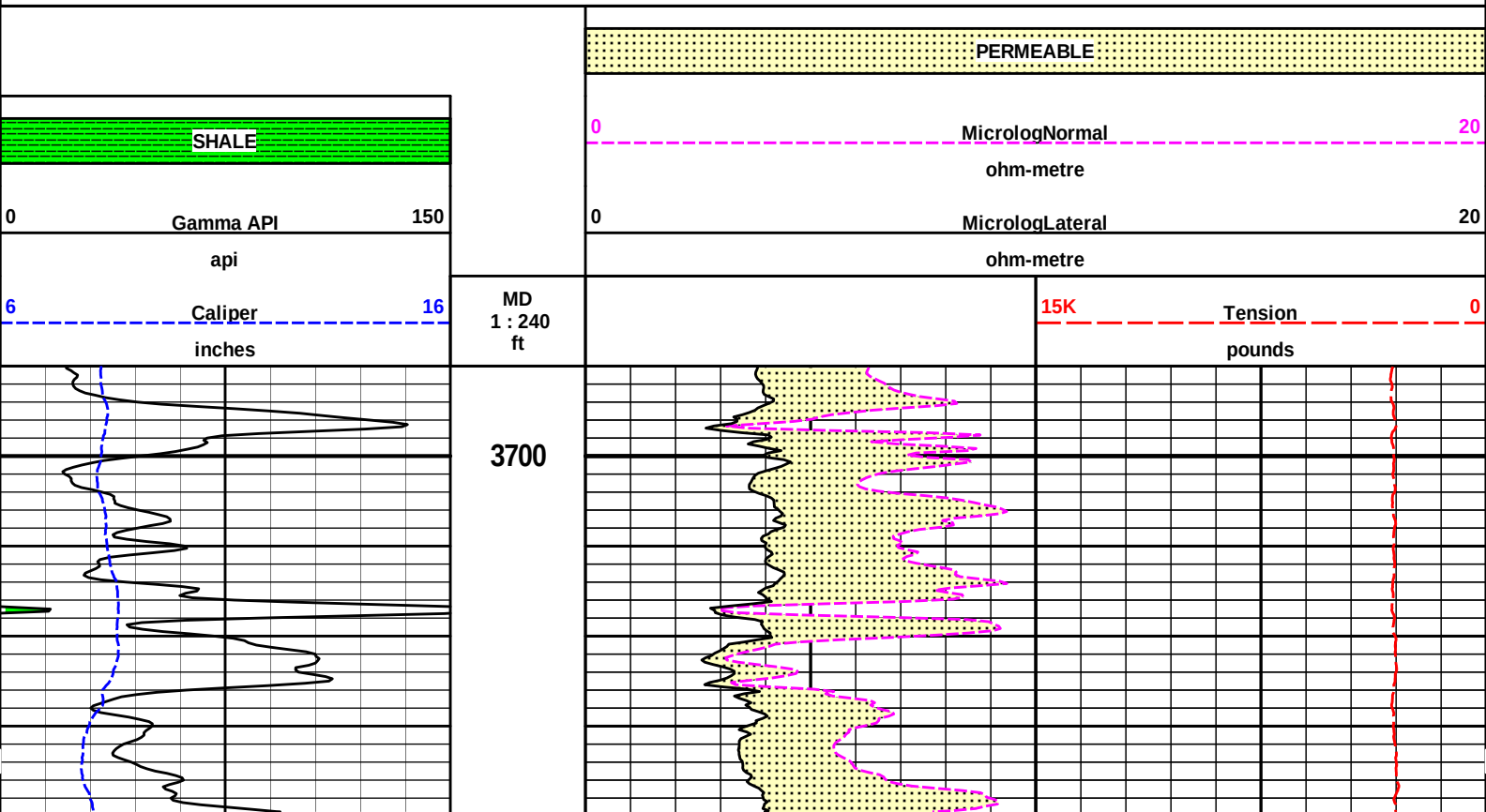
TODAY'S CREW: D. MILLER & E. ZAPIEN

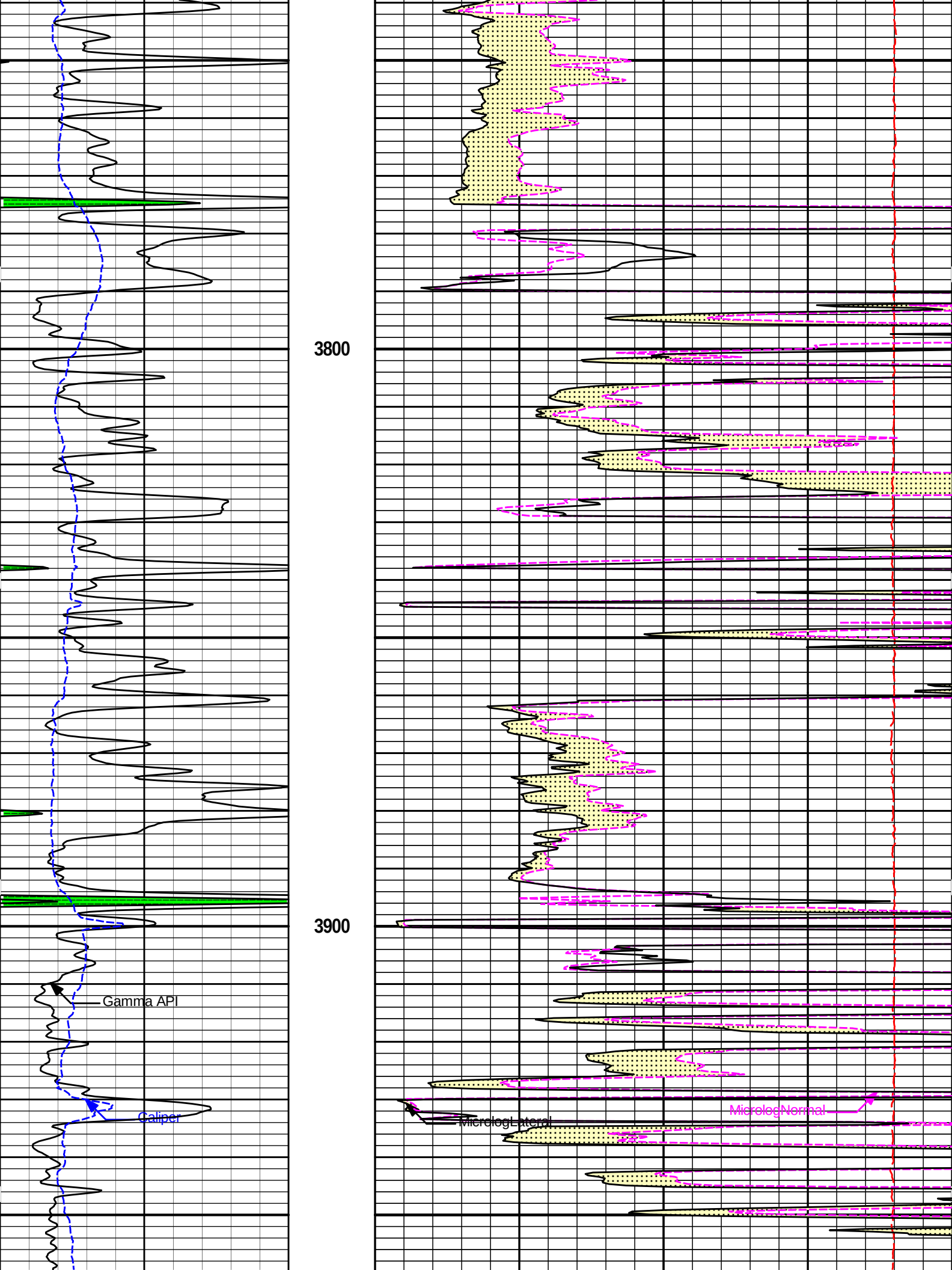
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES LIBERAL, KS. 620-624-8123

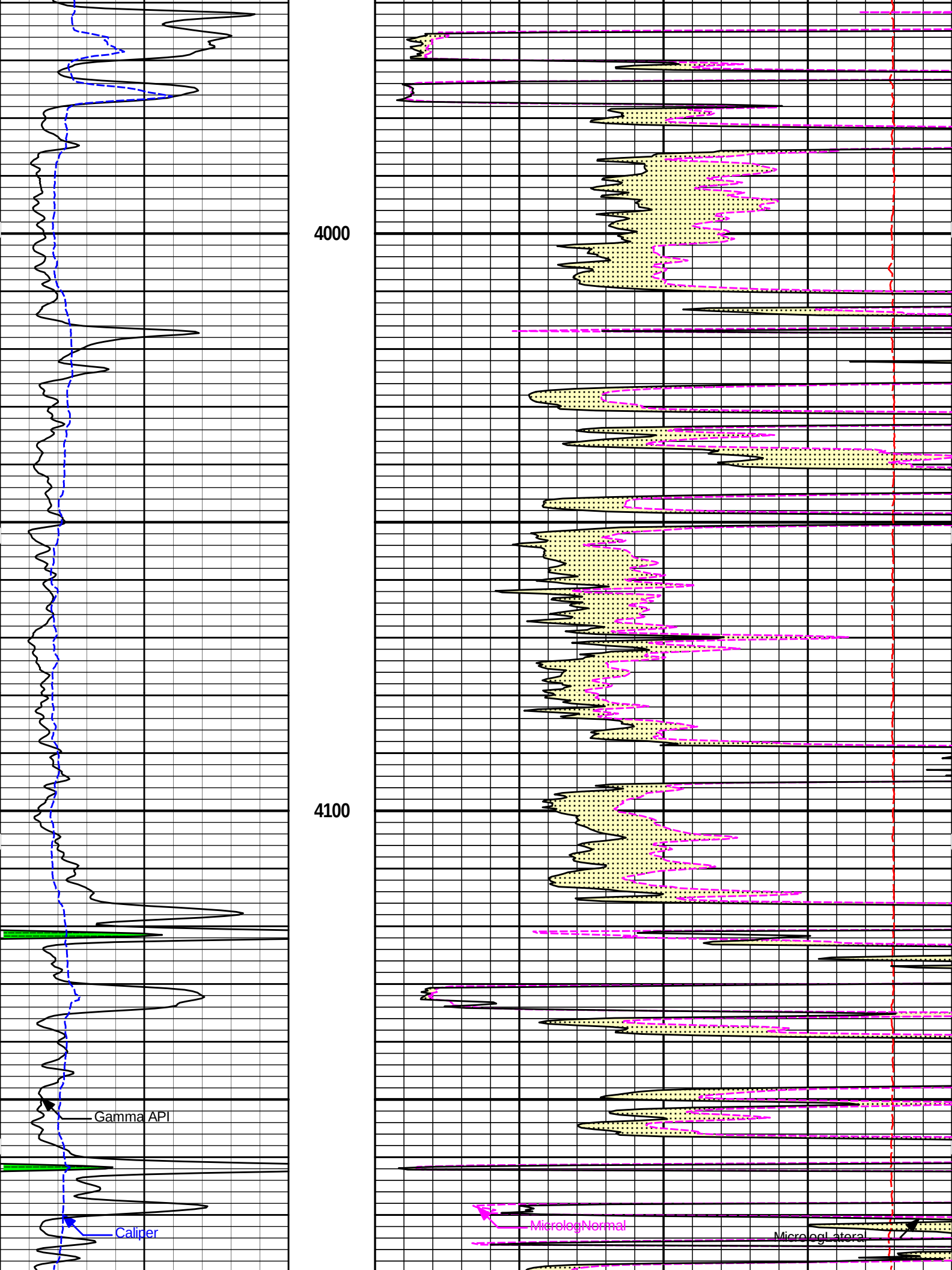
HALLIBURTON

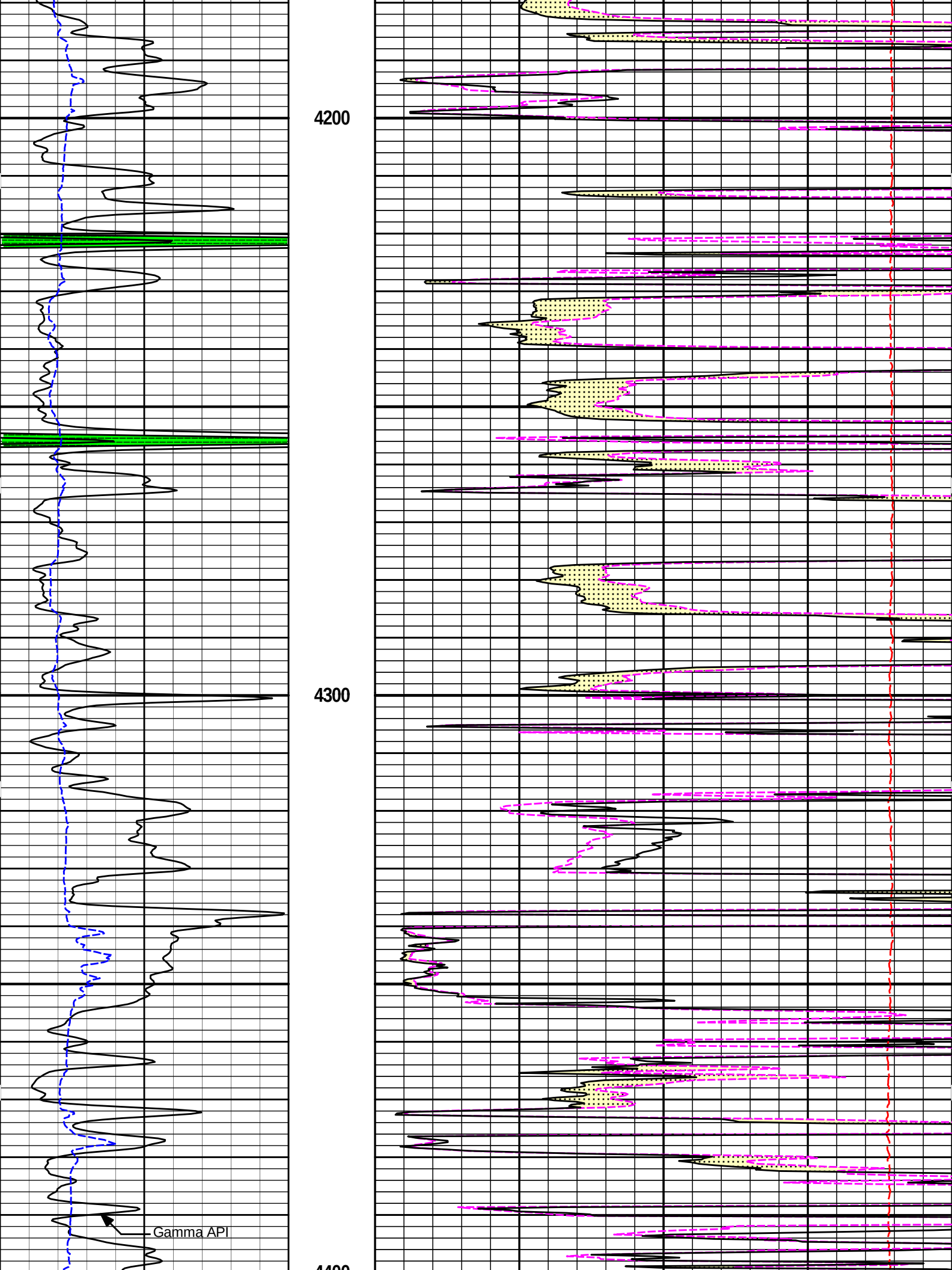
Plot Time: 11-Feb-14 20:06:36
Plot Range: 3690 ft to 4699.33 ft
Data: CRAIG_1-35\Well Based\DETAIL
Plot File: \\-LOCAL-\CRAIG_1-35\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\MICRO\Microlog_IQ_5_main_lib

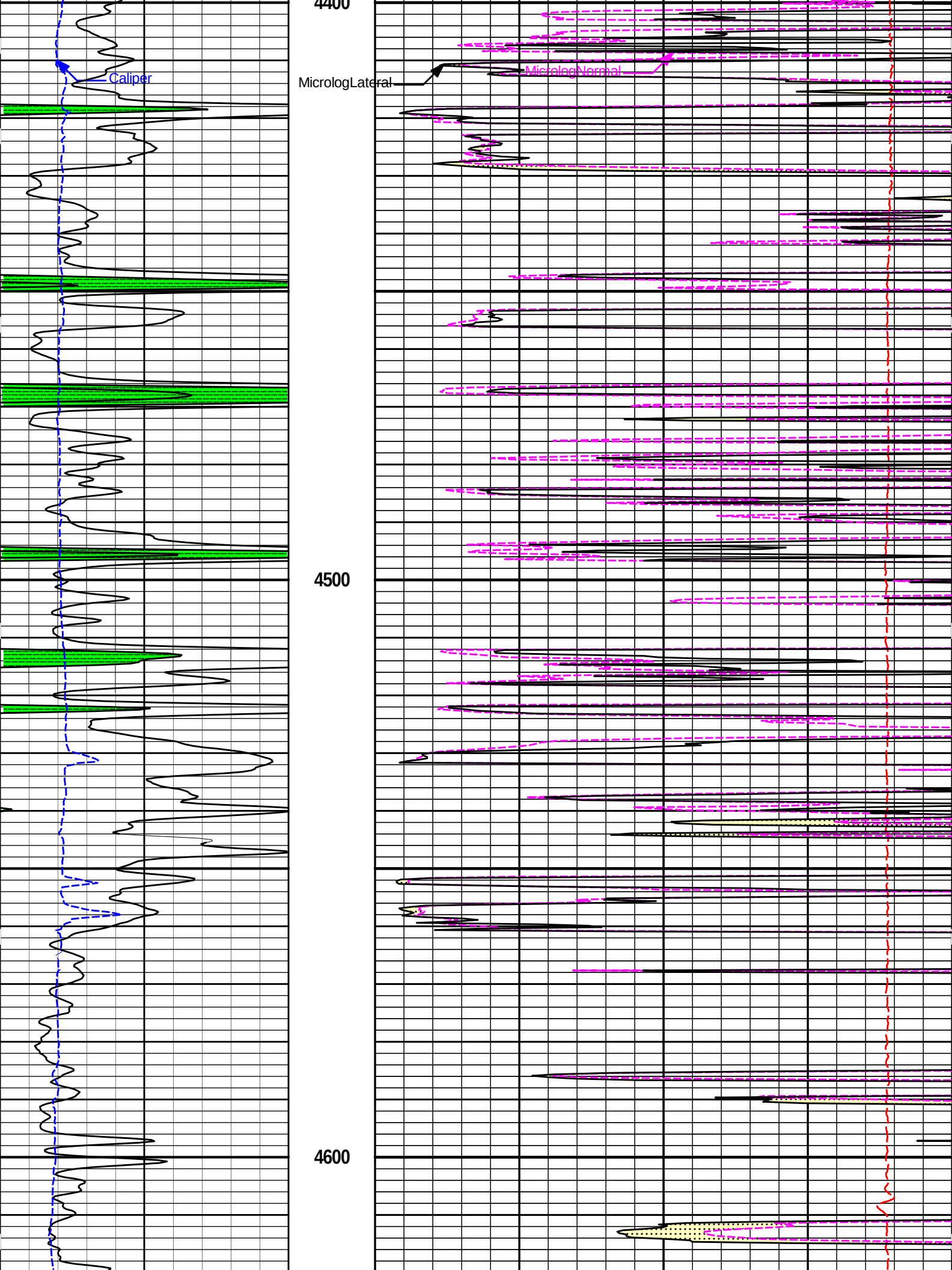
5 INCH MAIN LOG

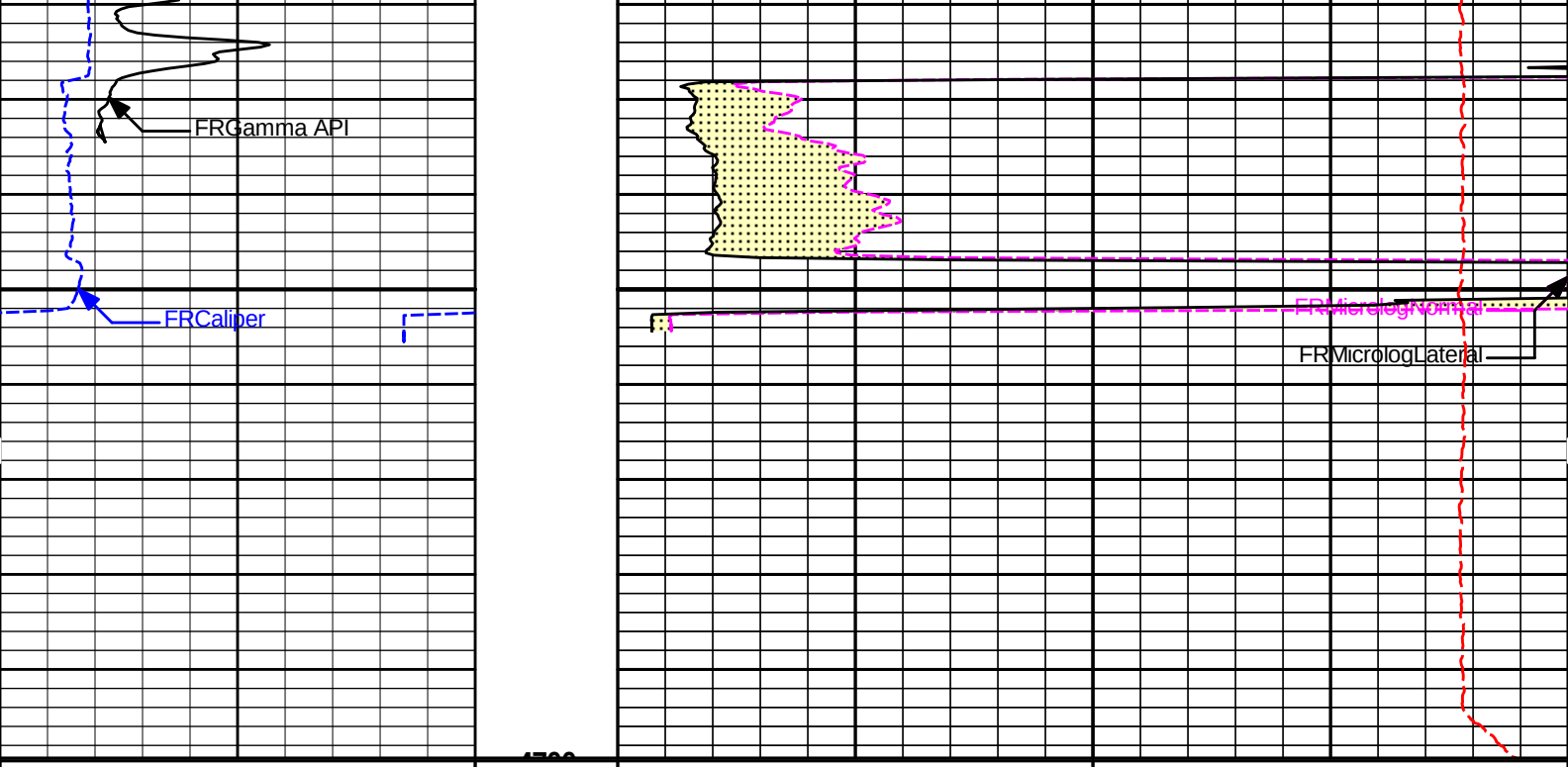



3800
3900
Gamma API
Caliper
MicrologNormal
MicrologLateral


4000
4100
Gamma API
Caliper
MicrologNormal
MicrologLateral


4200
4300
Gamma API


4400
Caliper
MicrologLateral
MicrologNormal
4500
4600



6 Caliper 16
inches

0 Gamma API 150
api

SHALE

MD
1 : 240
ft

15K Tension 0
pounds

0 MicrologLateral 20
ohm-metre

0 MicrologNormal 20
ohm-metre

PERMEABLE

HALLIBURTON

Plot Time: 11-Feb-14 20:06:40
Plot Range: 3690 ft to 4699.33 ft
Data: CRAIG_1-35\Well Based\DETAIL\
Plot File: \\-LOCAL-\CRAIG_1-35\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\MICRO\Microlog_IQ_5_main_lib

5 INCH MAIN LOG

HALLIBURTON

Plot Time: 11-Feb-14 20:06:40
Plot Range: 4400 ft to 4698.42 ft
Data: CRAIG_1-35\Well Based\REPEAT\
Plot File: \\-LOCAL-\CRAIG_1-35\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\MICRO\Microlog_IQ_5_rep_lib

REPEAT SECTION

PERMEABLE

0 MicrologNormal 20
ohm-metre

0 MicrologLateral 20
ohm-metre

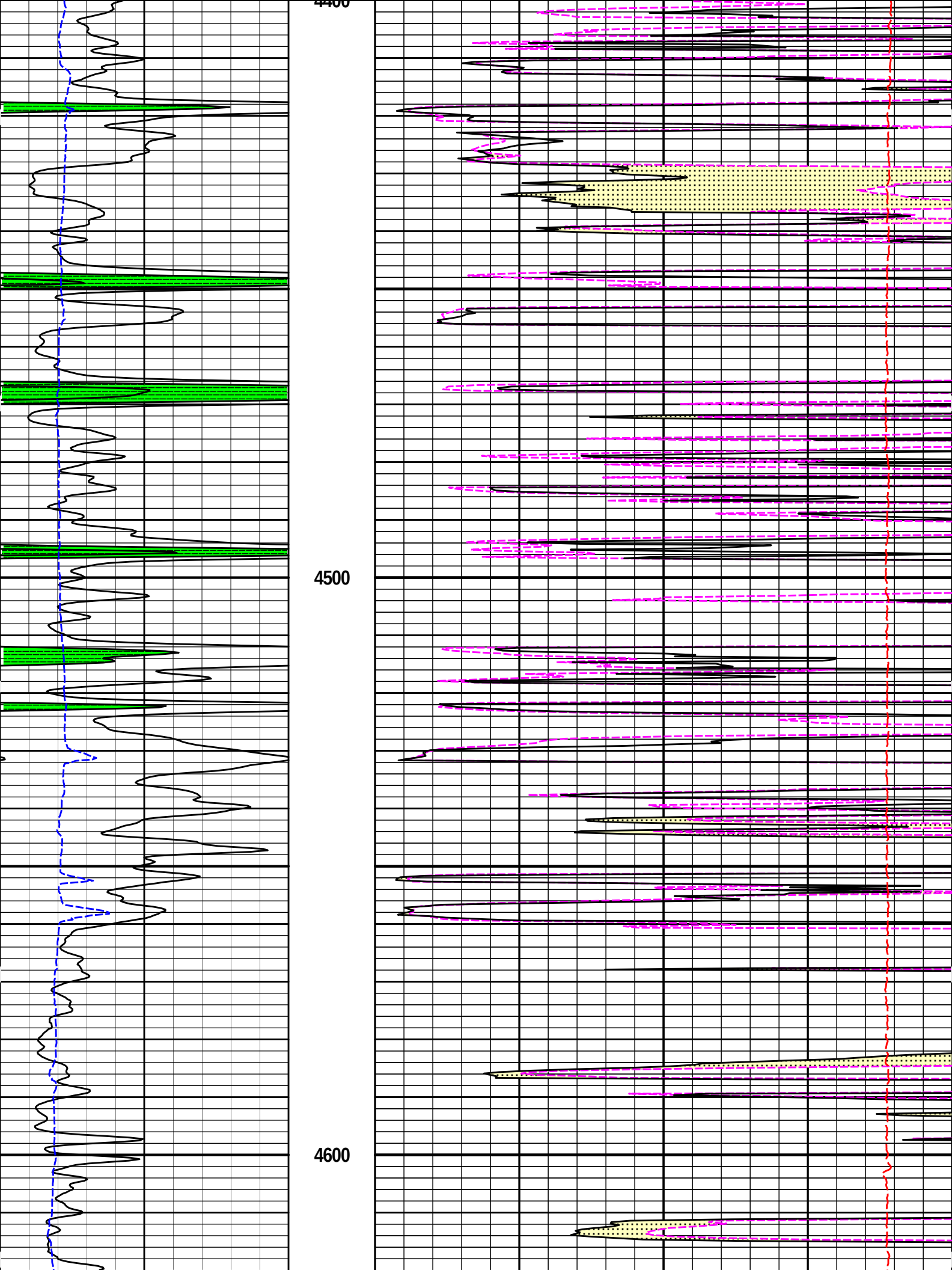
SHALE

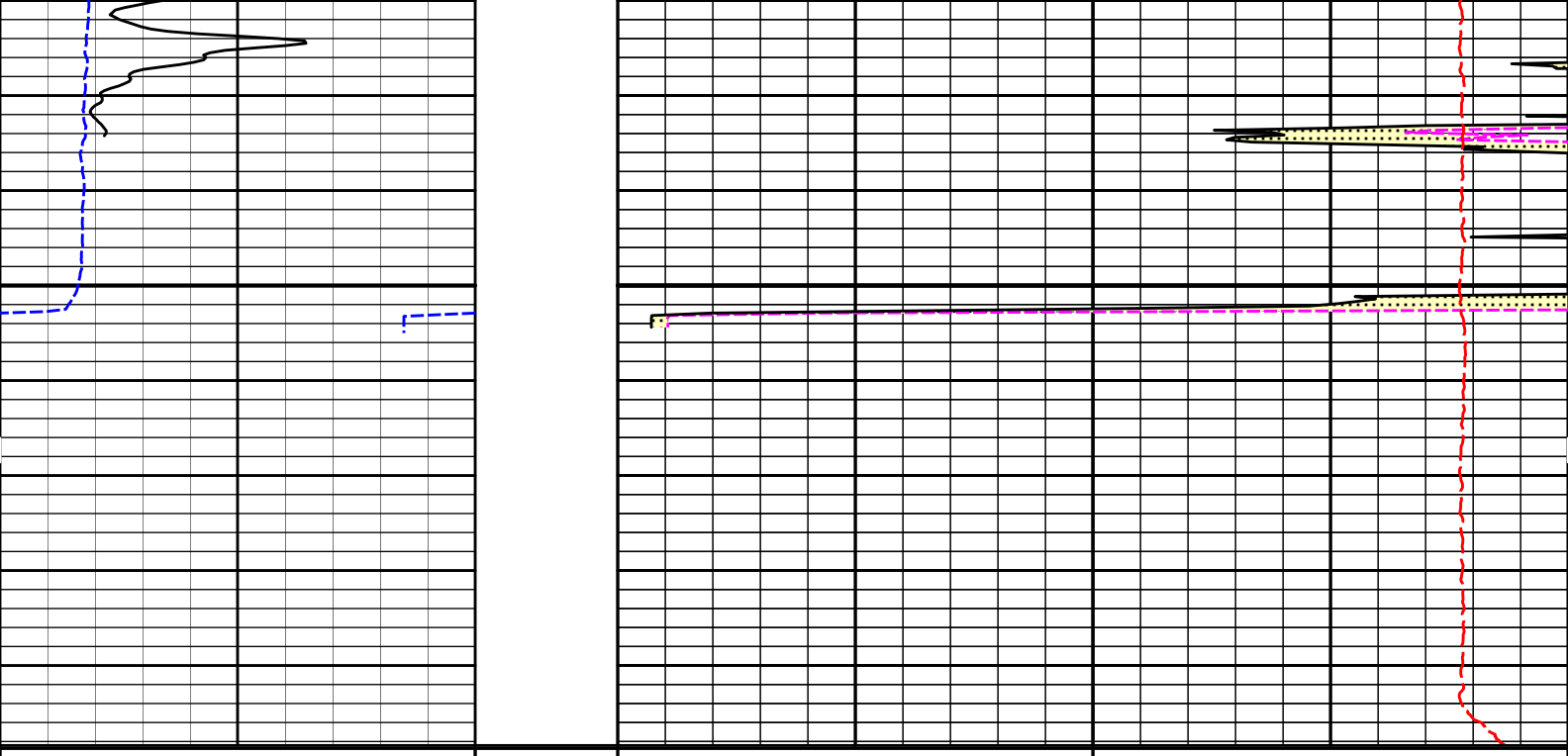
0 Gamma API 150
api

6 Caliper 16
inches

MD
1 : 240
ft

15K Tension 0
pounds


4400
4500
4600



HALLIBURTON

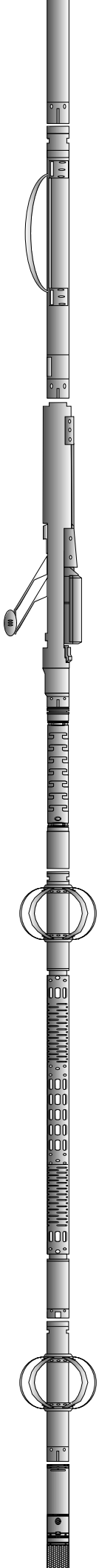
Plot Time: 11-Feb-14 20:06:42
Plot Range: 4400 ft to 4698.42 ft
Data: CRAIG_1-35\Well Based\REPEAT\
Plot File: \\-LOCAL-\CRAIG_1-35\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\MICRO\Microlog_IQ_5_rep_lib

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS-HOSTILE 37.50 lbs		Ø 2.750 in		Temperature @ 75.79 ft	3.03 ft	76.82 ft
SP Sub-12345678 60.00 lbs		Ø 3.625 in		SP @ 72.01 ft	3.74 ft	73.79 ft
GTET-10748374		Ø 3.625 in				70.05 ft



165.00 lbs

Ø 3.625 in

8.52 ft

GammaRay @ 63.99 ft

61.53 ft

DSN Decentralizer-
10755066
6.60 lbs

Ø 5.000 in*

DSNT-10735145
174.00 lbs

Ø 3.625 in

9.69 ft

DSN Far @ 54.59 ft

DSN Near @ 53.84 ft

51.84 ft

SDLT-10673803
360.00 lbs

Ø 4.500 in

10.81 ft

SDLT Pad-10673790
65.00 lbs

Microlog Pad-10673803
8.00 lbs

Ø 4.750 in*

Ø 4.750 in*

Microlog @ 44.03 ft

SDL Caliper @ 43.84 ft

SDL @ 43.83 ft

41.03 ft

Flex Joint-00000001
140.00 lbs

Ø 3.625 in

5.67 ft

35.36 ft

Centralizer 25-00000001
8.00 lbs

Ø 4.000 in*

BSAT-10747684
300.00 lbs

Ø 3.625 in

15.77 ft

Sonic Receivers @ 26.84 ft

19.58 ft

Centralizer 25-00000002
8.00 lbs

Ø 4.000 in*

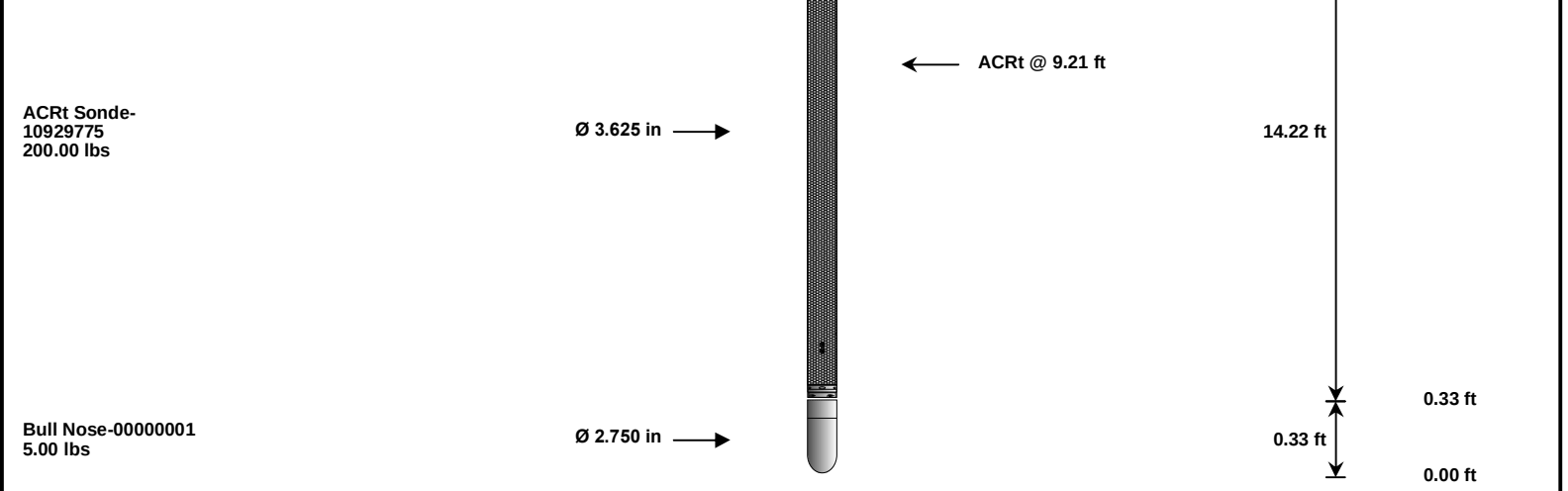
ACRt Instrument-
10929776
50.00 lbs

Ø 3.625 in

5.03 ft

14.55 ft

Mud Resistivity @ 13.19 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	HOSTILE	37.50	3.03		73.79	300.00
SP	SP Sub	12345678	60.00	3.74		70.05	300.00
GTET	Gamma Telemetry Tool	10748374	165.00	8.52		61.53	60.00
DSNT	Dual Spaced Neutron	10735145	174.00	9.69		51.84	60.00
DCNT	DSN Decentralizer	10755066	6.60	5.13	*	55.17	300.00
SDLT	Spectral Density Tool	10673803	360.00	10.81		41.03	60.00
MICP	Microlog Pad	10673803	8.00	1.00	*	43.53	60.00
SDLP	Density Insite Pad	10673790	65.00	2.55	*	43.24	60.00
FLEX	Flex Joint	00000001	140.00	5.67		35.36	300.00
BSAT	Borehole Sonic Array Tool	10747684	300.00	15.77		19.58	60.00
OBCEN	Centralizer - 25 in. Overbody	00000001	8.00	2.08	*	32.82	300.00
ACRt	Array Compensated True Resistivity Instrument Section	10929776	50.00	5.03		14.55	300.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	*	16.30	300.00
ACRt	Array Compensated True Resistivity Sonde Section	10929775	200.00	14.22		0.33	300.00
BLNS	Bull Nose	00000001	5.00	0.33		0.00	300.00
Total			**1,587.10**	**76.82**			

* Not included in Total Length and Length Accumulation.

Data: CRAIG_1-35\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\IDLE **Date: 11-Feb-14 18:15:21**

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	**GTET - 10748374**	**Reference Calibration Date:**	**25-Nov-13 16:08:30**
Engineer:	**SHELDON INGERSOLL**	**Calibration Date:**	**03-Feb-14 18:18:39**
Software Version:	**WL INSITE R3.8.4 (Build 5)**	**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	44.9	44.5	api
Background + Calibrator	279.2	276.5	api
Calibrator	234.3	232.0	api

MICRO LOG SHOP CALIBRATION

Tool Name:	**Microlog Pad - 10673803**	**Reference Calibration Date:**	**23-Dec-13 17:20:28**
Engineer:	**THOMAS HYDE**	**Calibration Date:**	**08-Jan-14 21:58:47**
Software Version:	**WL INSITE R3.8.4 (Build 5)**	**Calibration Version:**	**1**

Host Tool Name: DSNT - 10735145

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		
	Measured	Calibrated	Measured	Calibrated	Units
Tool Zero	-0.06	-0.08	-0.01	-0.02	ohmm
Calibration Point #1	0.02	0.00	0.01	0.00	ohmm
Calibration Point #2	20.19	20.00	20.15	20.00	ohmm
Internal Reference	20.10	19.92	20.15	20.00	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	0.04	-3.47	V
Calibration Point #1	20.88	4.20	V
Calibration Point #2	5414.44	7020.96	V
Internal Reference	5392.27	7022.48	V

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10748374						
Gamma Ray Calibrator	232.0	----------	----------	0.0	+/- 9.00	api
Microlog Pad-10673803						
MicroLog Normal	19.92	----------	----------	0.00	----------	ohmm
MicroLog Lateral	20.00	----------	----------	0.00	----------	ohmm

Data: CRAIG_1-35\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\IDLE **Date: 11-Feb-14 18:19:32**

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	9.700	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	4695.00	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 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

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	72.01	NO	
SP	Spontaneous Potential	72.01	BLK	1.250
SPR	Raw Spontaneous Potential	72.01	NO	
SPO	Spontaneous Potential Offset	72.01	NO	
	GTET			
TPUL	Tension Pull	63.99	NO	
GR	Natural Gamma Ray API	63.99	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	63.99	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	63.99	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
	DSNT			
TPUL	Tension Pull	53.74	NO	
RNDS	Near Detector Telemetry Counts	53.84	BLK	1.417
RFDS	Far Detector Telemetry Counts	54.59	TRI	0.583
DNTT	DSN Tool Temperature	53.84	NO	
DSNS	DSN Tool Status	53.74	NO	
ERND	Near Detector Telemetry Counts EVR	53.84	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	54.59	BLK	0.000
ENTM	DSN Tool Temperature EVR	53.84	NO	
	SDLT			
TPUL	Tension Pull	43.84	NO	
PCAL	Pad Caliper	43.84	TRI	0.250
ACAL	Arm Caliper	43.84	TRI	0.250
	BSAT			
TPUL	Tension Pull	26.84	NO	
STAT	Status	26.84	NO	
DLYT	Delay Time	26.84	NO	
SI	Sample Interval	26.84	NO	
TXRX	Raw Telemetry 10 Receivers	26.84	NO	
FRMC	Tool Frame Count	26.84	NO	
GMOD	Gain processing mode	19.58	NO	
	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 Current Raw 12K X Receiver	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	
	SDLT Pad			
TPUL	Tension Pull	43.83	NO	
NAB	Near Above	43.66	BLK	0.920
NHI	Near Cesium High	43.66	BLK	0.920
NLO	Near Cesium Low	43.66	BLK	0.920
NVA	Near Valley	43.66	BLK	0.920
NBA	Near Barite	43.66	BLK	0.920
NDE	Near Density	43.66	BLK	0.920
NPK	Near Peak	43.66	BLK	0.920

NLI	Near Lithology	43.66	BLK	0.920
NBAU	Near Barite Unfiltered	43.66	BLK	0.250
NLIU	Near Lithology Unfiltered	43.66	BLK	0.250
FAB	Far Above	44.01	BLK	0.250
FHI	Far Cesium High	44.01	BLK	0.250
FLO	Far Cesium Low	44.01	BLK	0.250
FVA	Far Valley	44.01	BLK	0.250
FBA	Far Barite	44.01	BLK	0.250
FDE	Far Density	44.01	BLK	0.250
FPK	Far Peak	44.01	BLK	0.250
FLI	Far Lithology	44.01	BLK	0.250
PTMP	Pad Temperature	43.84	BLK	0.920
NHV	Near Detector High Voltage	43.24	NO	
FHV	Far Detector High Voltage	43.24	NO	
ITMP	Instrument Temperature	43.24	NO	
DDHV	Detector High Voltage	43.24	NO	

Microlog Pad

TPUL	Tension Pull	44.03	NO	
MINV	Microlog Lateral	44.03	BLK	0.750
MNOR	Microlog Normal	44.03	BLK	0.750

Data: CRAIG_1-35\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-BN\IDLE **Date: 11-Feb-14 18:18:11**

COMPANY	**BEREXCO LLC**		
WELL	**CRAIG 1-35**		
FIELD	**MANNING NW**		
COUNTY	**SCOTT**	STATE	**KANSAS**

HALLIBURTON

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