

HALLIBURTON

ANNULAR HOLE
VOLUME
PLOT

COMPANY				MERIT ENERGY			
WELL				HYLBOM A-6			
FIELD/BLOCK				REDWOOD			
COUNTY				FINNEY			
STATE				KANSAS			
Permanent Datum				GL			
Log measured from				KB			
Drilling measured from				KB			
Date				12-Jul-14			
Run No.				ONE			
Depth - Driller				5039.00 ft			
Depth - Logger				5046.0 ft			
Bottom - Logged Interval				5002			
Top - Logged Interval				1807			
Casing - Driller				8.625 in @ 1808.0 ft			
Casing - Logger				1807.0 ft			
Bit Size				7.875 in			
Type Fluid in Hole				Water Based Mud			
Density				9.1 ppq			
Viscosity				36.00 s/qt			
PH				10.50 pH			
Source of Sample				MUD PIT			
Rm @ Meas. Temperature				0.380 ohmm @ 101.00 degF			
Rmf @ Meas. Temperature				0.32 ohmm @ 101.00 degF			
Rmc @ Meas. Temperature				0.440 ohmm @ 101.00 degF			
Source Rmf				CALCULATED			
Rmc				CALCULATED			
Rm @ BHT				0.30 ohmm @ 129.0 degF			
Time Since Circulation				9.0000 hr			
Time on Bottom				12-Jul-14 10:13			
Max. Rec. Temperature				129.0 degF @ 5046.0 ft			
Equipment				11230668 LIBERAL			
Recorded By				SHELDON INGERSOLL			
Witnessed By				G. BILBY			

COMPANY	MERIT ENERGY	STATE	KANSAS
WELL	HYLBOM A-6		
FIELD/BLOCK	REDWOOD		
COUNTY	FINNEY		
API No.	15055223140000	Other Services:	DSN / SDL MICROLOG BSAT ACRT
Location	(SHL) 1805' FNL & 705' FEL SE-NW-SE-NE		
Sect.	30	Twp.	23S
		Rge.	34W
Elev.	2972.0 ft	Elev.	K.B. D.F. G.L.
			2987.0 ft 2987.0 ft 1808.0 ft

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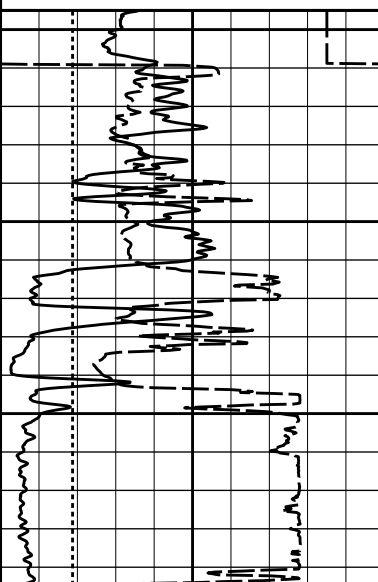
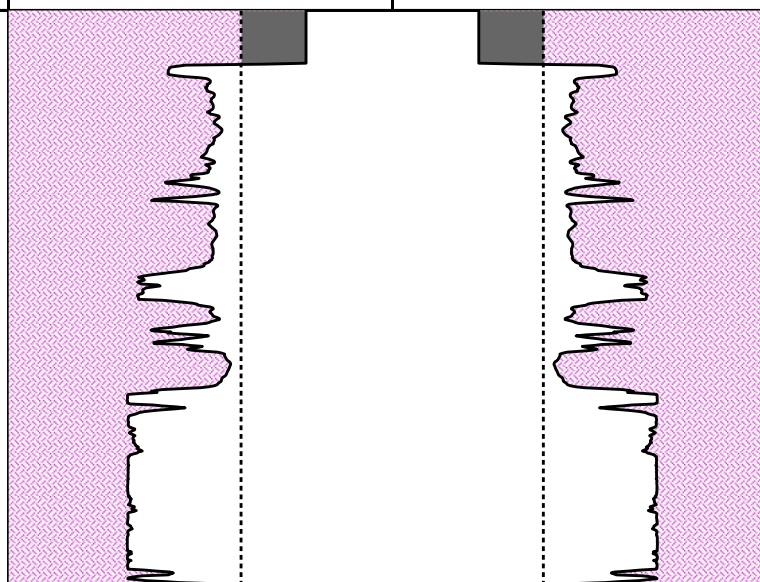
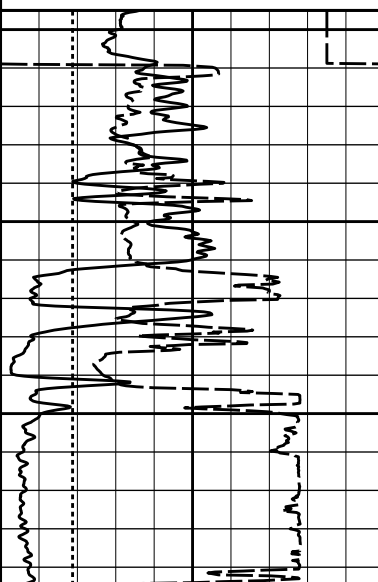
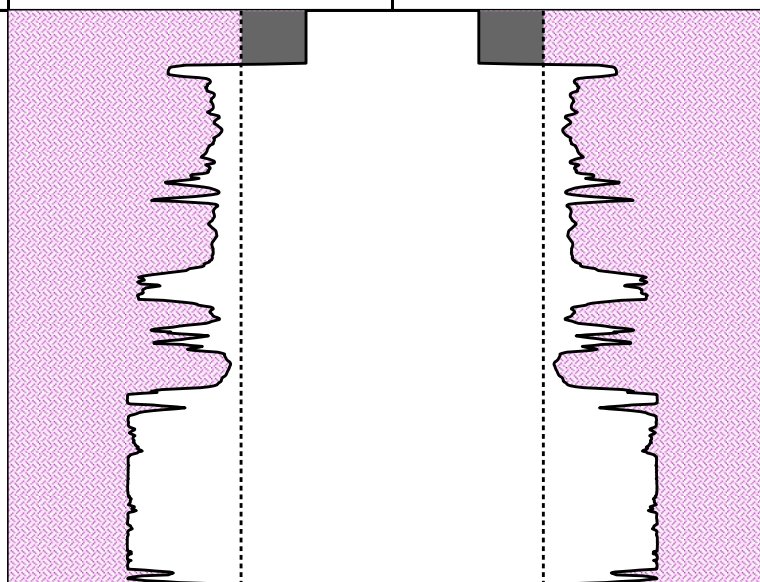
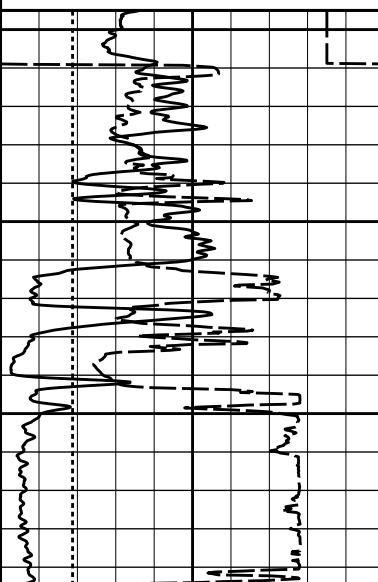
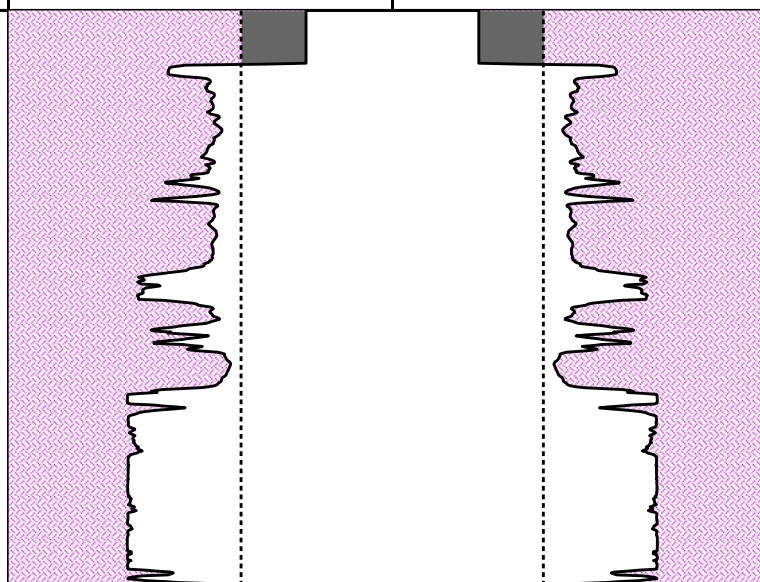
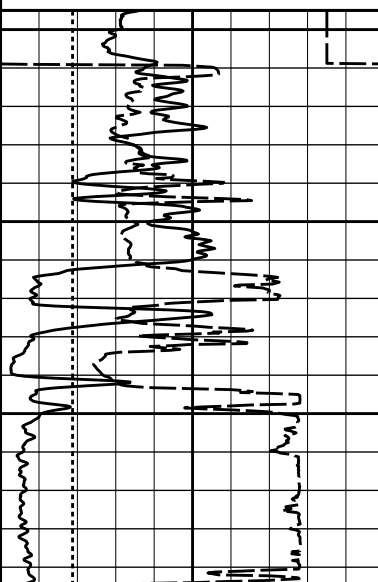
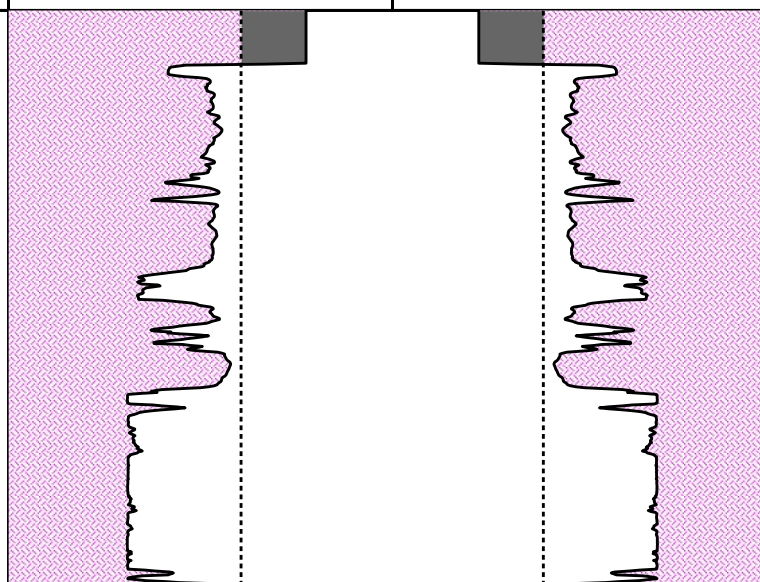
Service Ticket No.: 901501364				API Serial No.: 15055223140000				PGM Version: WL INSITE R4.2.0 (Build 2)							
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES									
Date	Sample No.					Type Log	Depth	Scale Up Hole	Scale Down Hole						
Depth-Driller															
Type Fluid 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.	Other		
Rmf @ Meas. Temp.						@		@	ONE	ACRT	N/A	CENT			
Rmc @ Meas. Temp.						@		@		10800784					
Source Rmf						Rmc									
Rm @ BHT						@		@							
Rmf @ BHT						@		@							
Rmc @ BHT						@		@							
EQUIPMENT DATA															
GAMMA				ACOUSTIC				DENSITY				NEUTRON			
Run No.	ONE			Run No.	ONE			Run No.	ONE			Run No.	ONE		
Serial No.	10748374			Serial No.	10747684			Serial No.	10714945			Serial No.	10755066		
Model No.	GTET			Model No.	BSAT			Model No.	SDLT			Model No.	DSNT		
Diameter	3.625"			No. of Cent.	2			Diameter	5.3"			Diameter	3.625"		
Detector Model No.	T-102			Spacing	.5'			Log Type	GAM-GAM			Log Type	NEU-NEU		
Type	SCINT							Source Type	CS-137			Source Type	AM-241BE		
Length	8"			LSA [Y/N]				Serial No.	5073GW			Serial No.	DSN-436		
Distance to Source	N/A			FWDA [Y/N]				Strength	1.5 CI			Strength	15 CI		
LOGGING DATA															

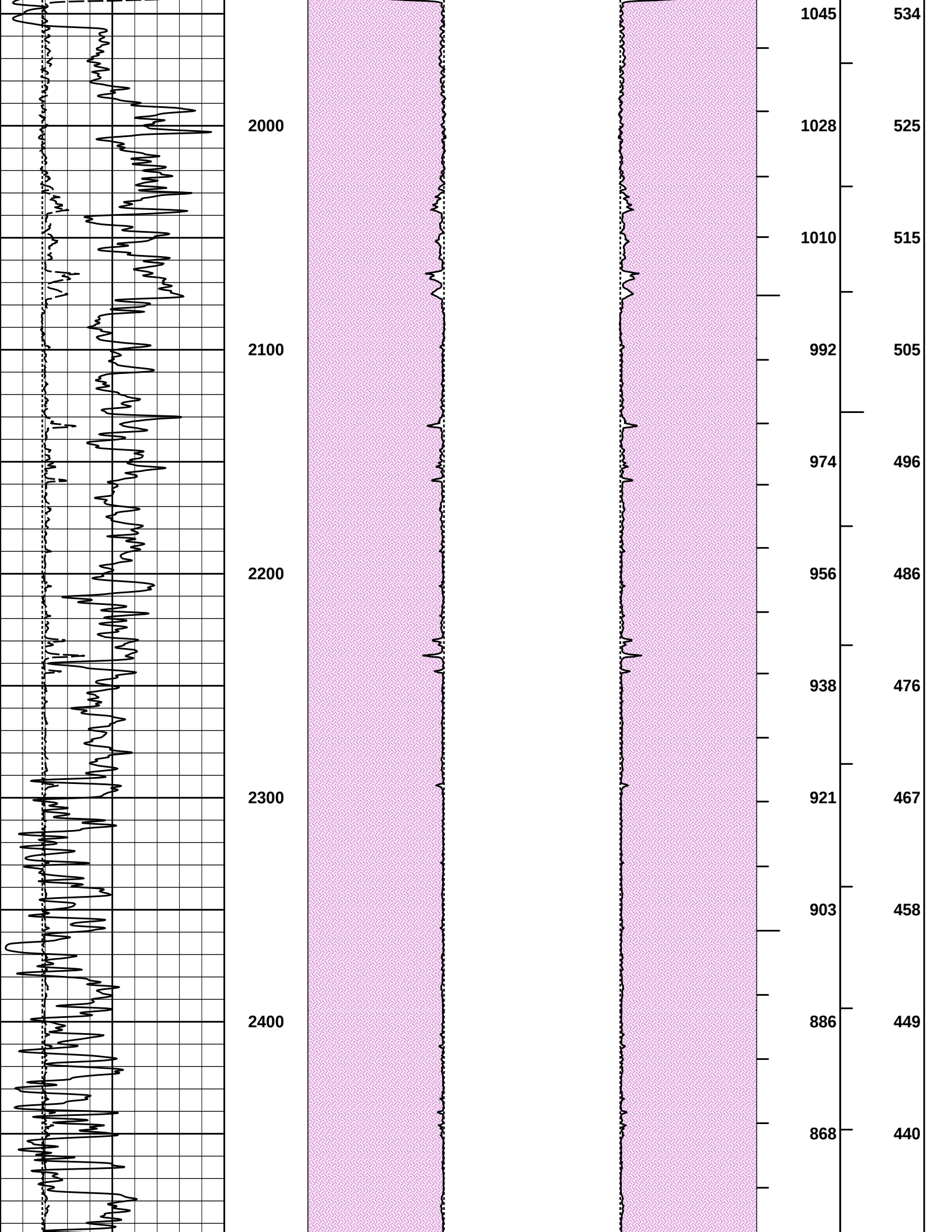
GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	TD	CSG	REC	0	150	30	-10	47.6 us/ft	30	-10	2.71 gm/cc	30	-10	LIME
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.														
CHLORIDES REPORTED AT 11,000 mg/L.														

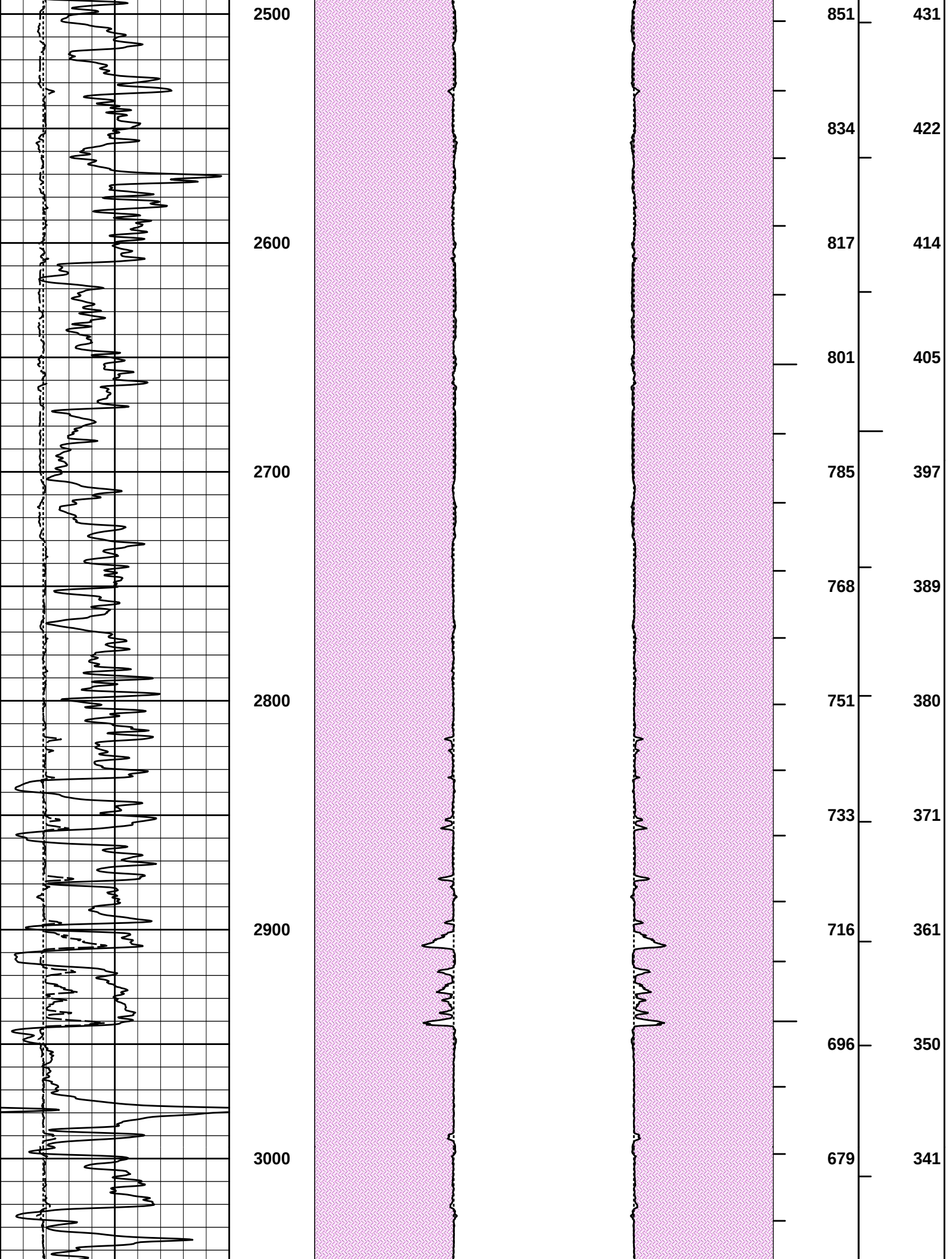
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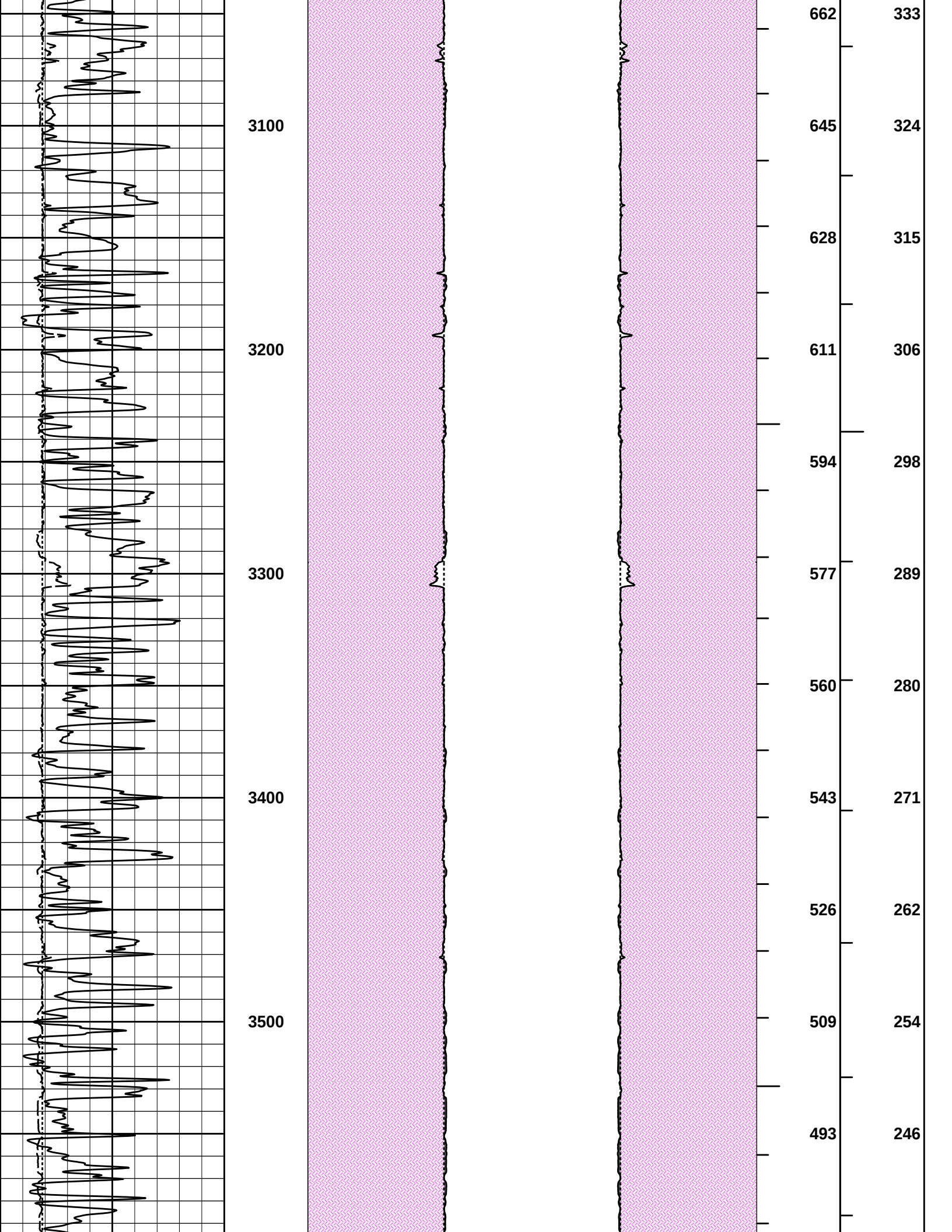
Plot Time: 12-Jul-14 14:59:47
Plot Range: 1795 ft to 5047.83 ft
Data: HYLBOM_A-6\Well Based\R1 CASING\
Plot File: \\LOCAL-1\HYLBOM_A-6\Well Based\AHV\AHV_2_IQ_LIB

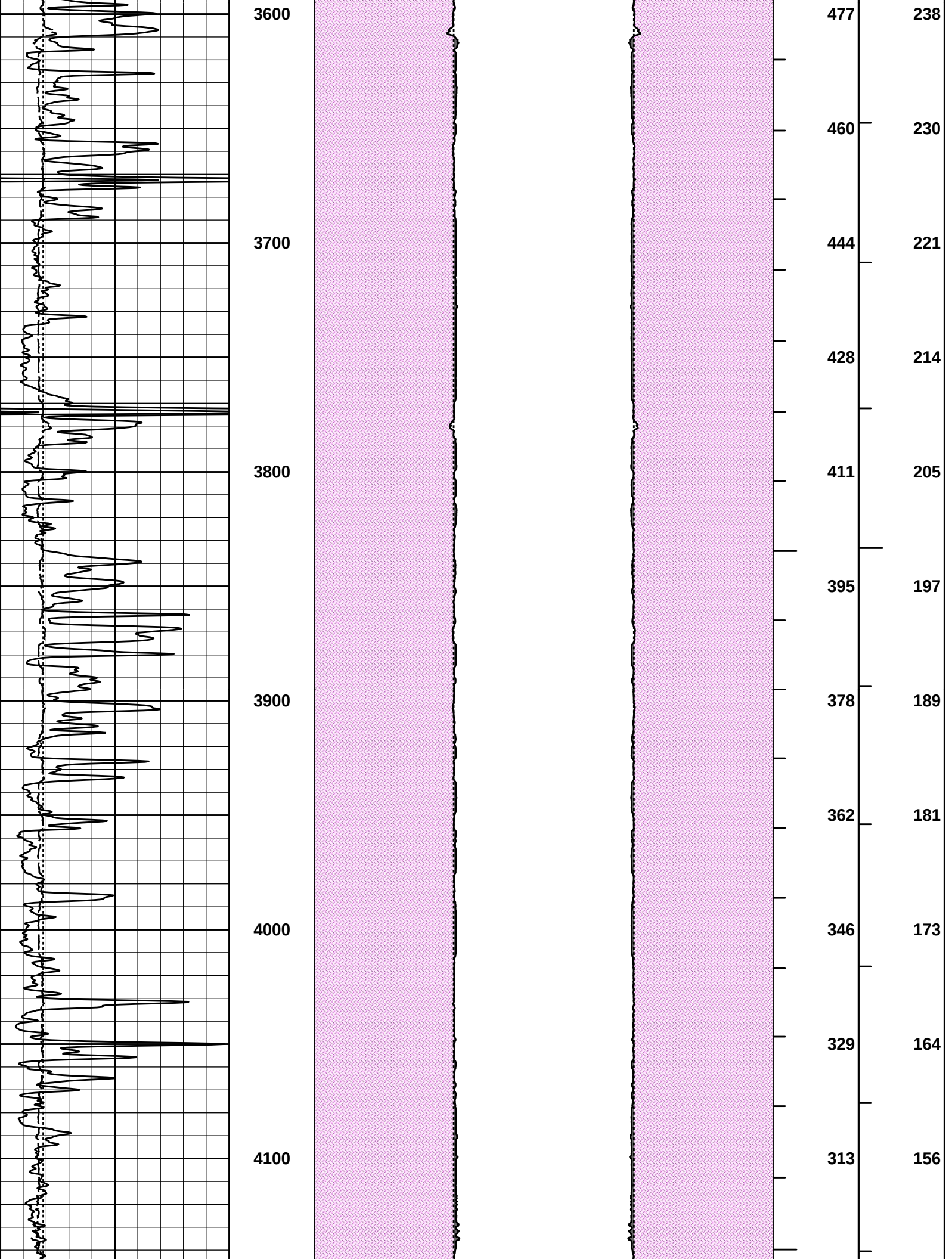
ANNULAR HOLE VOLUME PLOT

0	Gamma API	150								
	api				MUDCAKE		MUDCAKE			
6	Bit Size	16		20	Bit Size	0 0	Bit Size	20		
	inches									
6	Caliper	16	MD 1 : 600 ft	20	Caliper	0 0	Caliper	20	BHVT	AHVT
	inches									
			1800					1145	610	
										
								1123	595	
			1900					1092	573	

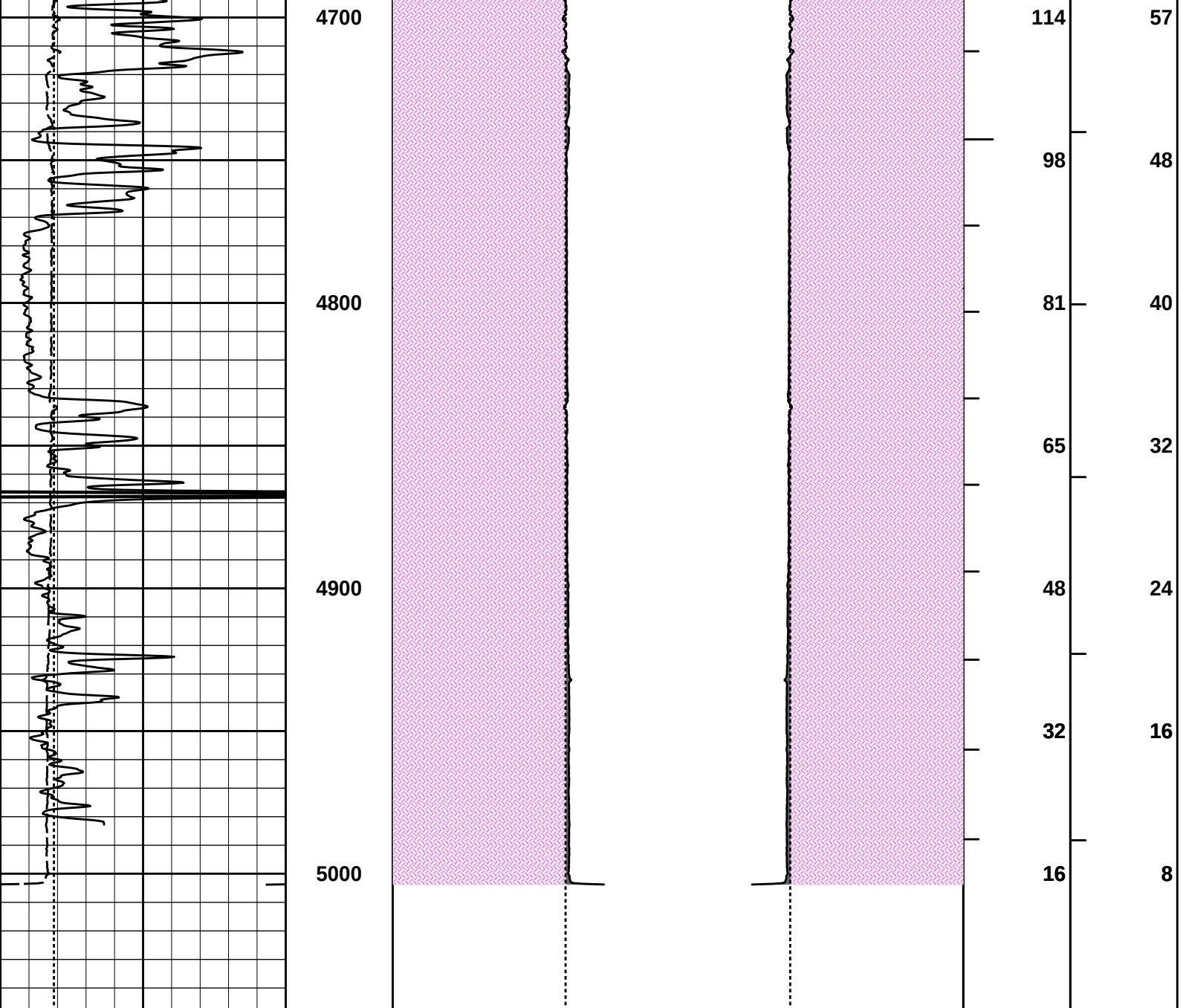












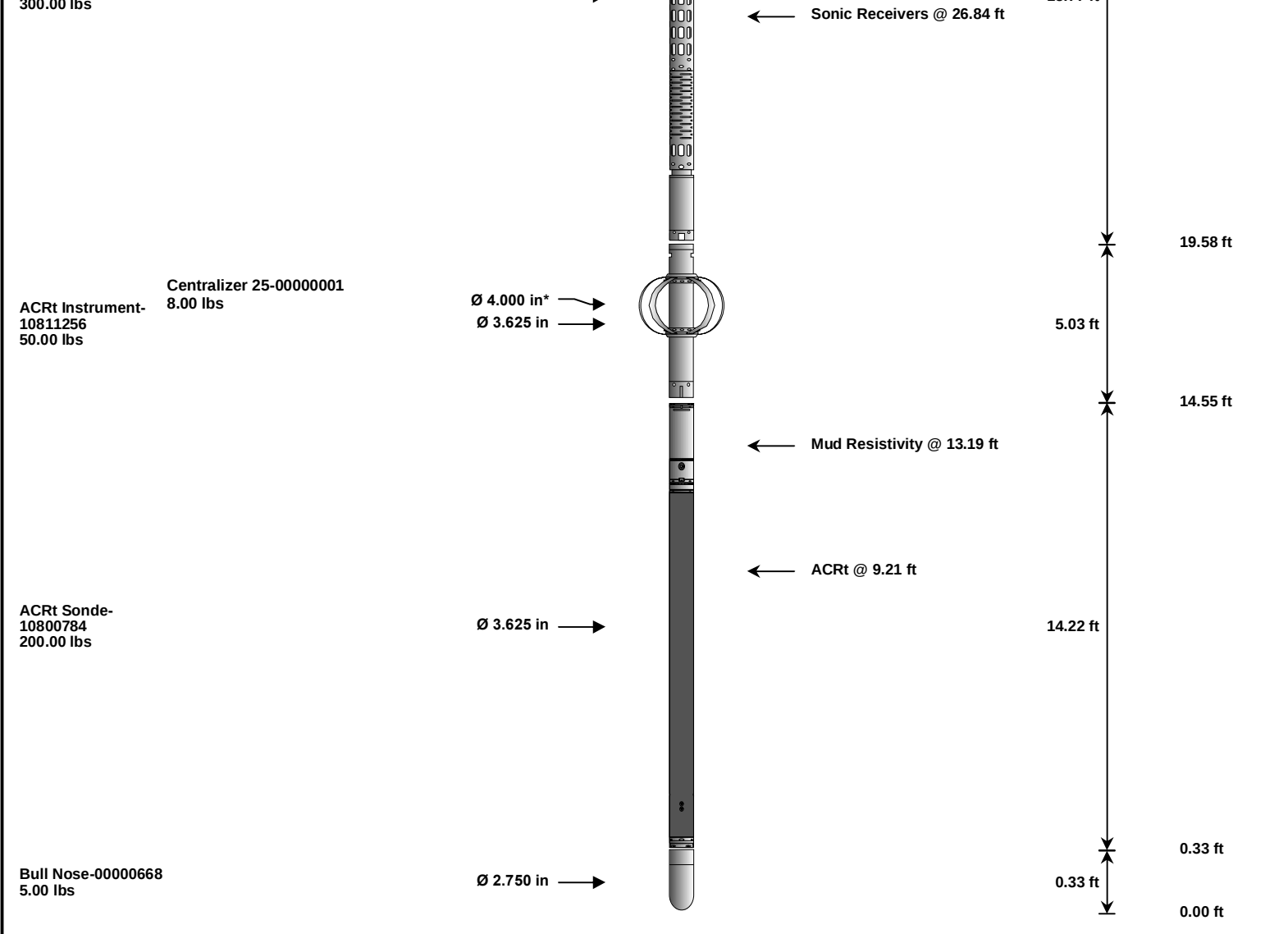
6	Caliper	16	MD 1 : 600 ft	20	Caliper	0	0	Caliper	20	BHVT	AHVT
	inches				inches				inches		
6	Bit Size	16		20	Bit Size	0	0	Bit Size	20		
	inches										
0	Gamma API	150									
	api										

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Plot Time: 12-Jul-14 14:59:49
Plot Range: 1795 ft to 5047.83 ft
Data: HYLBOM_A-6\Well Based\IR1 CASING\
Plot File: \\LOCAL-HYLBOM_A-6\Well Based\AHVIAHV_2_IQ_LIB

ANNULAR HOLE VOLUME PLOT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
					80.04 ft	
RWCH-12156658 135.00 lbs		Ø 3.625 in		Load Cell @ 76.35 ft BH Temperature @ 75.79 ft	6.25 ft	
SP Sub-12345678 60.00 lbs		Ø 3.625 in		SP @ 72.01 ft	3.74 ft	73.79 ft
GTET-10748374 165.00 lbs		Ø 3.625 in		GammaRay @ 63.99 ft	8.52 ft	70.05 ft
DSNT-10755066 174.00 lbs	DSN Decentralizer-10735145 6.60 lbs	Ø 5.000 in* Ø 3.625 in		DSN Far @ 54.59 ft DSN Near @ 53.84 ft	9.69 ft	61.53 ft
SDLT-10685803 360.00 lbs	SDLT Pad-10714945 65.00 lbs Microlog Pad-10685803 8.00 lbs	Ø 4.500 in Ø 4.750 in* Ø 4.750 in*		Microlog @ 44.03 ft SDL Caliper @ 43.84 ft SDL @ 43.83 ft	10.81 ft	51.84 ft
Flex Joint-12345678 140.00 lbs		Ø 3.625 in			5.67 ft	41.03 ft
Centralizer 25-00000002 8.00 lbs		Ø 4.000 in*				35.36 ft
BSAT-10747684		Ø 3.625 in			15.77 ft	



Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)	
RWCH	Releasable Wireline Cable Head		12156658	135.00	6.25	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		10755066	174.00	9.69	51.84	60.00	
DCNT	DSN Decentralizer		10735145	6.60	5.13	*	55.17	300.00
SDLT	Spectral Density Tool		10685803	360.00	10.81	41.03	60.00	
SDLP	Density Insite Pad		10714945	65.00	2.55	*	43.24	60.00
MICP	Microlog Pad		10685803	8.00	1.00	*	43.53	60.00
FLEX	Flex Joint		12345678	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		00000002	8.00	2.08	*	32.89	300.00
ACRt	Array Compensated True Resistivity Instrument Section		10811256	50.00	5.03	14.55	120.00	
OBCEN	Centralizer - 25 in. Overbody		00000001	8.00	2.08	*	16.57	300.00
ACRt	Array Compensated True Resistivity Sonde Section		10800784	200.00	14.22	0.33	120.00	
BLNS	Bull Nose		00000668	5.00	0.33	0.00	300.00	
Total				1,684.60	80.04			
* Not included in Total Length and Length Accumulation.								
Data: HYLBOA-610001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-BNIDLE								
Date: 12-Jul-14 10:40:48								

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PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
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(ft)					
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	1.000	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	5039.00	ft
	SHARED	BHT	Bottom Hole Temperature	135.0	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	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
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	DTSB	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
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
BOTTOM				
Data: HYLBOM_A-6I0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-BN\006 12-Jul-14 12:57 Up @5048.0f				Date: 12-Jul-14 14:07:10

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CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	GTET - 10748374	Reference Calibration Date:	09-Jun-14 04:41:06
Engineer:	SUHAIL BISHTI	Calibration Date:	02-Jul-14 13:05:19
Software Version:	WL INSITE R4.2.0 (Build 2)	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	41.1	41.0	api
Background + Calibrator	273.6	273.0	api
Calibrator	232.5	232.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 10748374	Reference Calibration Date:	02-Jul-14 13:05:19
Engineer:	SHELDON INGERSOLL	Calibration Date:	12-Jul-14 07:29:34
Software Version:	WL INSITE R4.2.0 (Build 2)	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	41.0	43.7	api
Background + Calibrator	273.0	278.3	api
Calibrator	232.0	234.6	api

Shop	Field	Difference	Tolerance
232.0	234.6	-2.6	+/- 9.00

DENSITY CALIPER SHOP CALIBRATION			
Tool Name:	SDLT - 10685803	Reference Calibration Date:	03-Jul-14 11:59:44
Engineer:	SUHAIL BISHTI	Calibration Date:	03-Jul-14 12:06:11
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1
Host Tool Name:	DSNT - 10755066		

CALIBRATION COEFFICIENTS				
Measurement	Previous Value	New Value	Control Limit On New Value	
Pad Offset	-4246.07	-4543.01	-7000.00 - -1000.00	
Pad Gain	0.0003683	0.0003897	0.000200 - 0.000600	
Arm Offset	-3884.20	-3320.49	-5000.00 - 3000.00	
Arm Gain	0.0005250	0.0004878	0.000300 - 0.000700	
Arm Power	-0.000006017	-0.000003337	-0.000010000 - 0.000010000	
The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER				
Tool Diameter: 4.50 in				
CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	2.00	2.00	0.00	+/- 0.20
Medium Ring (in)	3.65	3.75	0.10	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.45	6.50	0.05	+/- 0.20
Medium Ring (in)	8.28	8.25	-0.03	+/- 0.20
Large Ring (in)	14.93	15.00	0.07	+/- 0.20
PASS/FAIL SUMMARY				
Calibration-Coefficients Range Check:			Passed	
Ring-Measurement Check:			Passed	
PASS/FAIL SUMMARY				
Calibration-Coefficients Range Check:			Passed	

SDLT CALIPER FIELD CALIBRATION			
Tool Name:	SDLT - 10685803	Reference Calibration Date:	03-Jul-14 12:06:11
Engineer:	SHELDON INGERSOLL	Calibration Date:	12-Jul-14 07:30:41
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.85	0.10	+/- 0.10
Ring Diameter	8.25	8.18	-0.07	+/- 0.15
PASS/FAIL SUMMARY				
Pad Extension Check:			Passed	
Diameter Check:			Passed	

CALIBRATION SUMMARY						
Sensor	Shop	Field	Dist	Difference	Tolerance	Units

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10748374						
Gamma Ray Calibrator	232.0	234.6	-----	-2.6	+/- 9.00	api
SDLT-10685803						
Pad Extension	3.75	3.85	-----	-0.10	+/-0.10	in
Ring Diameter	8.25	8.18	-----	0.07	+/-0.15	in
Data: HYLBOM_A-6\0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-BN\006 12-Jul-14 12:57 Up @5048.0f					Date: 12-Jul-14 14:08:55	

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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	80.04	NO	
BS	Bit Size	80.04	NO	
HDIA	Measured Hole Diameter	0.00	NO	
RWCH				
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
HDIA	Measured Hole Diameter	0.00	NO	
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	
HDIA	Measured Hole Diameter	0.00	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 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	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	
HDIA	Measured Hole Diameter	0.00	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: HYLBOM_A-6I0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-BNI006 12-Jul-14 12:57 Up @5048.0f			Date: 12-Jul-14 14:06:40	

COMPANY	MERIT ENERGY		
WELL	HYLBOM A-6		
FIELD	REDWOOD		
COUNTY	FINNEY	STATE	KANSAS
HALLIBURTON		ANNULAR HOLE VOLUME PLOT	