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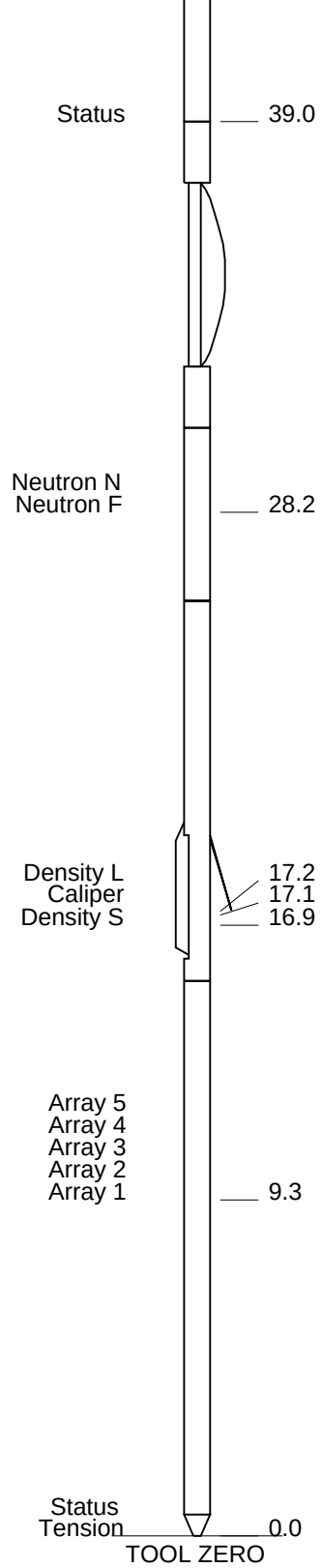
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OTHER SERVICES1 OS1: NONE OS2: OS3: OS4: OS5:			OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:		
REMARKS: RUN NUMBER 1			REMARKS: RUN NUMBER 2		
WIRELINE THRU PIPE, PIPE DEPTH: 3593'					
ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST					
LIMESTONE MATRIX, 2.71 g/cc USED FOR POROSITY MEASUREMENTS					
TOOLSTRING RAN WITH LARGE DECENTRALIZER					
IHV REPRESENTS TOTAL BOREHOLE VOLUME, ft3					
ICV REPRESENTS ANNULAR HOLE VOLUME, CALCULATED FOR 5.5" CSG, ft3					
DEPTH REFERENCE: DOWN LOG					
RIG: SAXON 146					
CREW: J. TOEDTEMEIER, K. BANGE, J. SHEETS, J. FOURIE					
RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
2994 19C2-270 0 ft					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

[illegible]

RUN 1		RUN 2	
SURFACE EQUIPMENT			
WITM (ThruBit)			
DOWNHOLE EQUIPMENT			
TBT-A			
THEAD			
TMG-A 4			
TILE-B			
TBN-A 21			
NNLS-EWA			
TBD-A 23			
GGLS-FZ			
	Gamma-Ray	44.3	
		47.4	



MAXIMUM STRING DIAMETER 2.13 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Schlumberger

MAIN PASS

MAXIS Field Log

Company: MERIT ENERGY COMPANYWell: GARDEN CITY V-6

Input DLIS Files

DEFAULTThruBit_012PUPFN:10PRODUCER27-Jun-2014 08:304957.3 FT3558.5 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 459.23 ft3
Cement Volume = 243.68 ft3 (assuming 5.50 in casing O.D.)
Computed from 4949.5 ft to 3643.5 ft

OP System Version: 19C2-270

TBTSRPC-5298-ThruBit

PIP SUMMARY

- └ Integrated Cement Volume Major Pip Every 100 F3
- └ Integrated Cement Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
- └ Integrated Hole Volume Minor Pip Every 10 F3

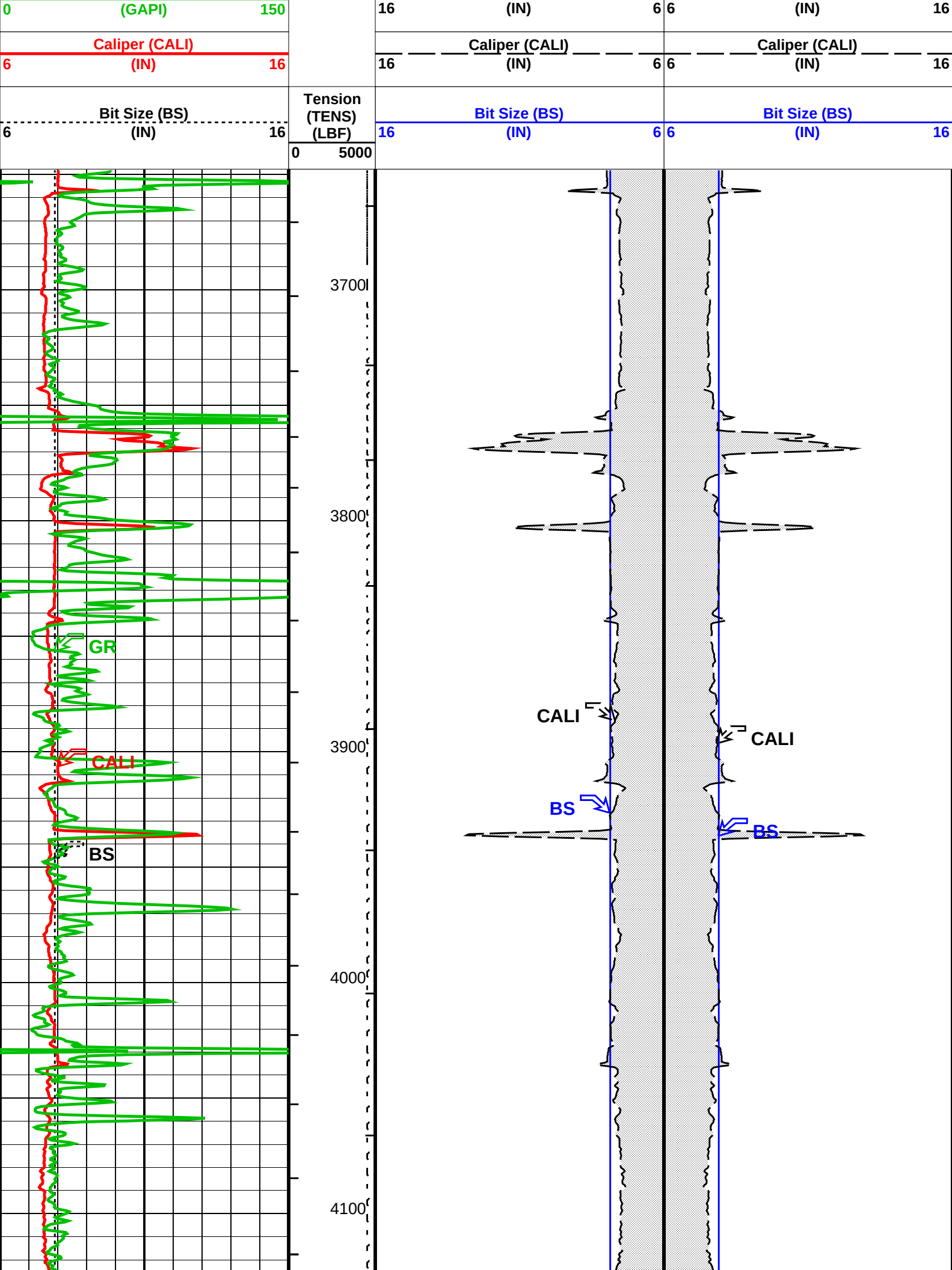
ANNULAR
From CALI_1 to FCD_1

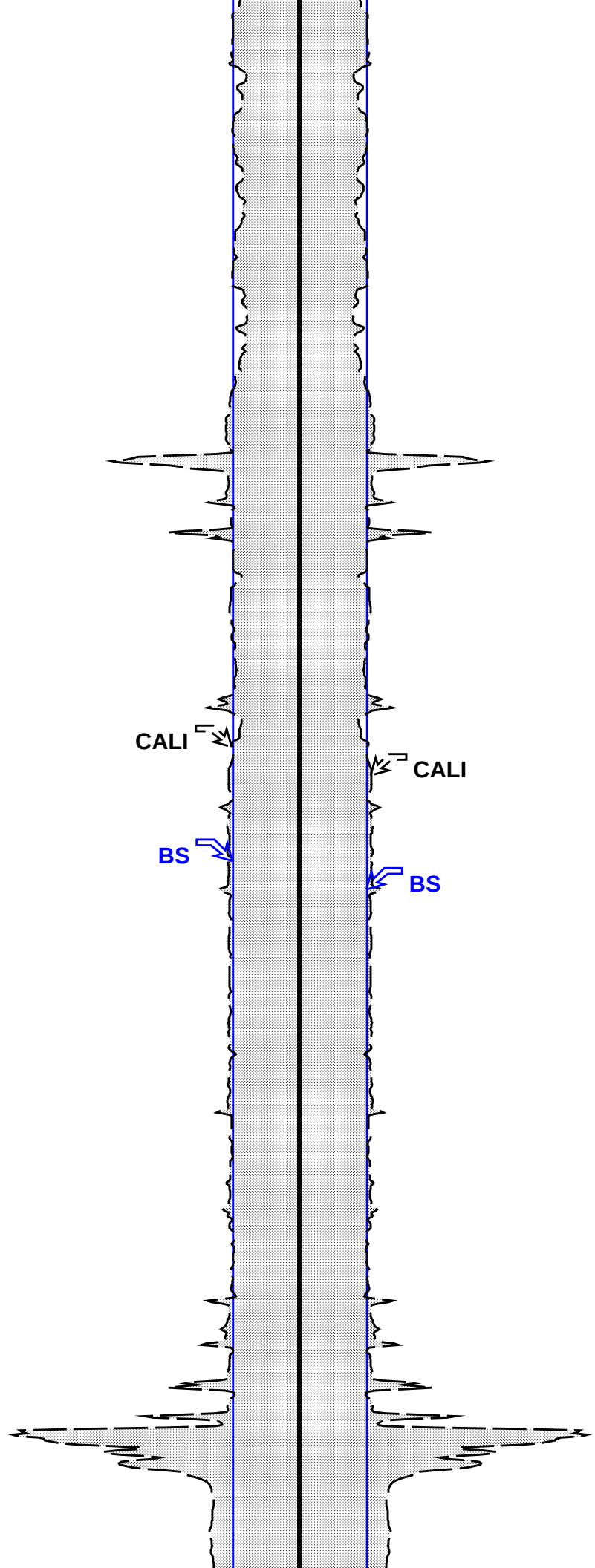
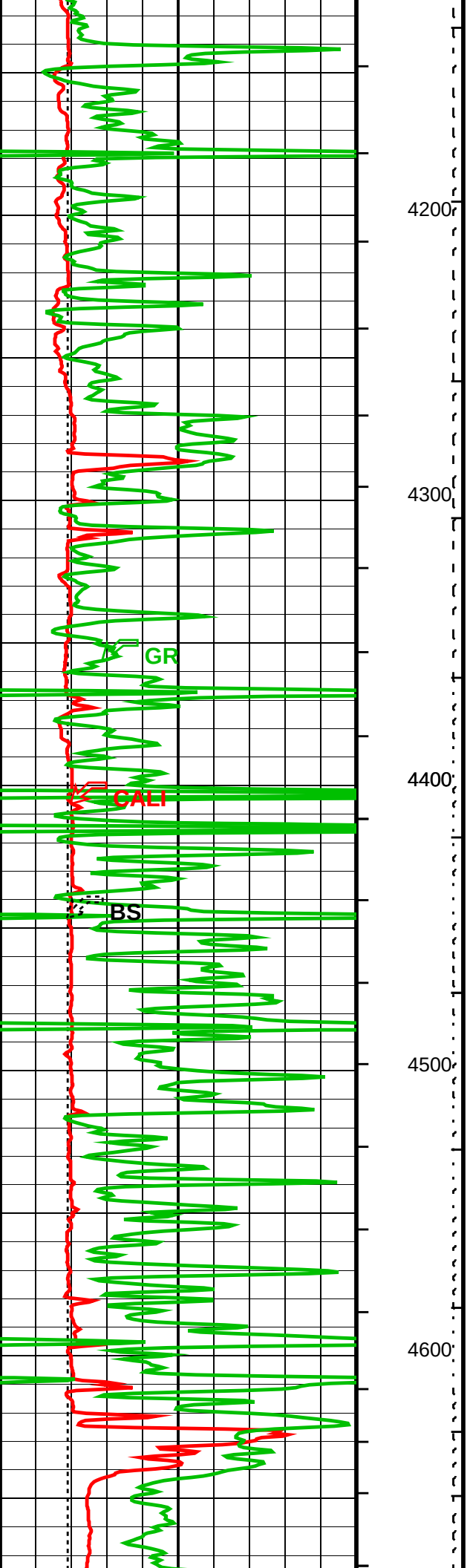
ANNULAR
From FCD to CALI

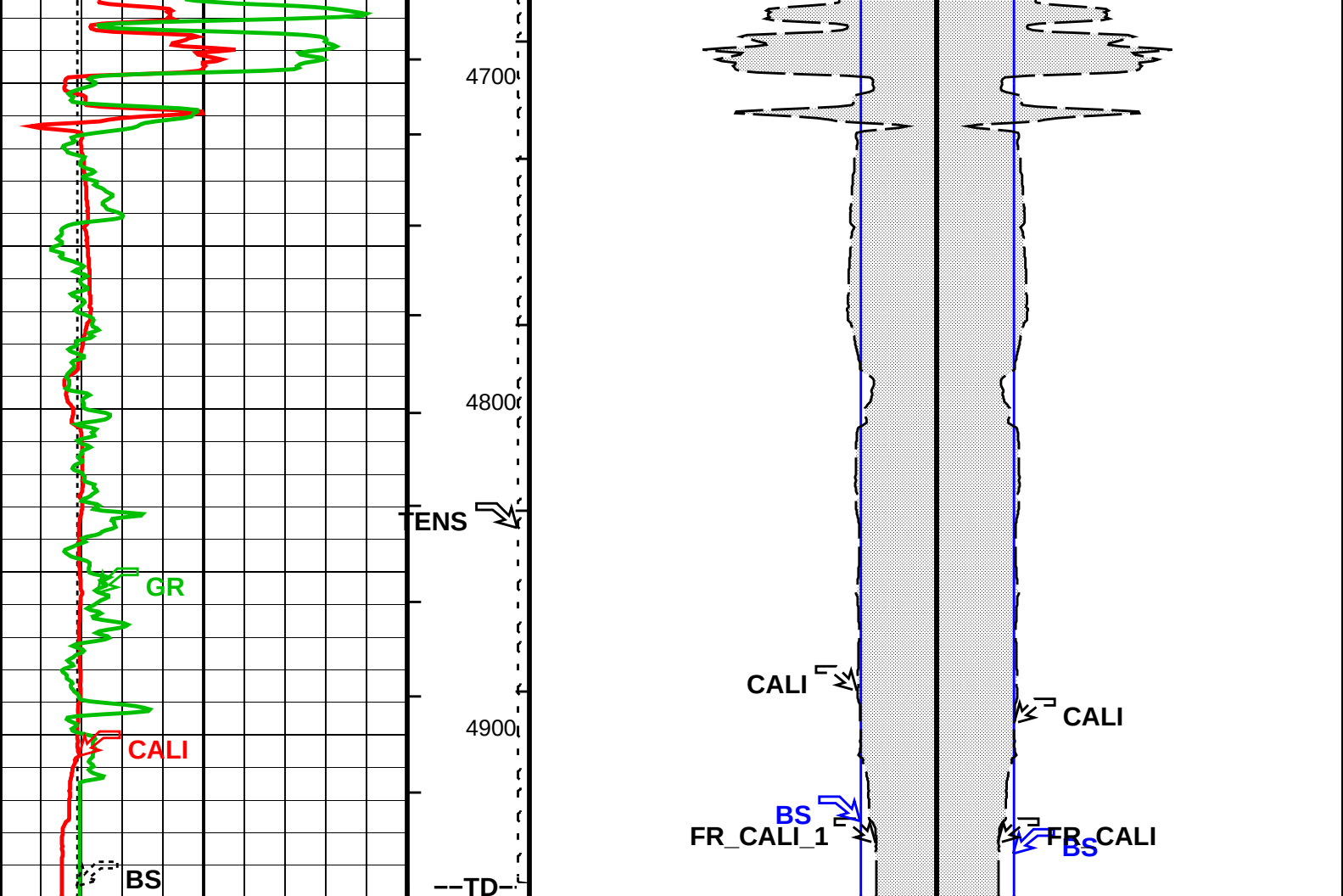
Gamma Ray (GR)

FCD_1 (FCD)

FCD (FCD)







Bit Size (BS) (IN)	Tension (TENS) (LBF)	Bit Size (BS) (IN)	Bit Size (BS) (IN)
6	0	16	6
16	5000	6	16
Caliper (CALI) (IN)		Caliper (CALI) (IN)	Caliper (CALI) (IN)
6		16	6
16		6	16
Gamma Ray (GR) (GAPI)		FCD_1 (FCD) (IN)	FCD (FCD) (IN)
0		16	6
150		6	16
		ANNULAR From CALI_1 to FCD_1	
		ANNULAR From FCD to CALI	

PIP SUMMARY

- └ Integrated Cement Volume Major Pip Every 100 F3
- └ Integrated Cement Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
- └ Integrated Hole Volume Minor Pip Every 10 F3

Parameters

DLIS Name	Description	Value
FCD	HOLEV: Integrated Hole/Cement Volume Future Casing (Outer) Diameter	5.500 in
BS	System and Miscellaneous Bit Size	7.875 in

Format: TB_BOREHOLE Vertical Scale: 2" per 100' Graphics File Created: 27-Jun-2014 10:17

OP System Version: 19C2-270

Input DLIS Files

DEFAULT	ThruBit_012PUP	FN:10	PRODUCER	27-Jun-2014 08:30	4957.3 FT	3558.5 FT
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Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
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ThruBit String Master Calibration – TBI Master Calibration Sonde Errors

Master: 5-Jun-2014 10:42

Freq 1, A1, R	-457.000	-478.393	--	--	--	--	
Freq 1, A1, X	300.000	185.483	--	--	--	--	
Freq 1, A2, R	-141.000	-138.231	--	--	--	--	
Freq 1, A2, X	320.000	0.851960	--	--	--	--	
Freq 1, A3, R	-28.0000	-29.4220	--	--	--	--	
Freq 1, A3, X	50.0000	-136.056	--	--	--	--	
Freq 1, A4, R	-16.0000	-16.6383	--	--	--	--	
Freq 1, A4, X	300.000	235.441	--	--	--	--	
Freq 1, A5, R	-14.0000	-14.4074	--	--	--	--	
Freq 1, A5, X	150.000	147.285	--	--	--	--	
Freq 2, A1, R	-237.000	-252.457	--	--	--	--	
Freq 2, A1, X	150.000	94.7850	--	--	--	--	
Freq 2, A2, R	-92.0000	-87.9835	--	--	--	--	
Freq 2, A2, X	160.000	-31.3473	--	--	--	--	
Freq 2, A3, R	-21.0000	-21.1947	--	--	--	--	
Freq 2, A3, X	-20.0000	-141.552	--	--	--	--	
Freq 2, A4, R	-20.0000	-19.8937	--	--	--	--	
Freq 2, A4, X	100.000	64.3133	--	--	--	--	
Freq 2, A5, R	-20.0000	-19.5506	--	--	--	--	
Freq 2, A5, X	-25.0000	-2.33406	--	--	--	--	
Freq 3, A1, R	-149.000	-163.294	--	--	--	--	
Freq 3, A1, X	25.0000	-0.0491341	--	--	--	--	
Freq 3, A2, R	-70.0000	-66.7262	--	--	--	--	
Freq 3, A2, X	70.0000	-67.6796	--	--	--	--	
Freq 3, A3, R	-17.0000	-17.4929	--	--	--	--	
Freq 3, A3, X	-90.0000	-163.048	--	--	--	--	
Freq 3, A4, R	-22.0000	-21.6818	--	--	--	--	
Freq 3, A4, X	-50.0000	-50.7073	--	--	--	--	
Freq 3, A5, R	-22.0000	-22.3770	--	--	--	--	
Freq 3, A5, X	-110.000	-110.983	--	--	--	--	
Freq 4, A1, R	-80.0000	-91.1573	--	--	--	--	
Freq 4, A1, X	-190.000	-155.338	--	--	--	--	
Freq 4, A2, R	-50.0000	-47.9380	--	--	--	--	
Freq 4, A2, X	-75.0000	-133.349	--	--	--	--	
Freq 4, A3, R	-14.0000	-13.9621	--	--	--	--	
Freq 4, A3, X	-190.000	-216.487	--	--	--	--	
Freq 4, A4, R	-25.0000	-24.4168	--	--	--	--	
Freq 4, A4, X	-235.000	-223.578	--	--	--	--	
Freq 4, A5, R	-28.0000	-27.5374	--	--	--	--	
Freq 4, A5, X	-300.000	-292.622	--	--	--	--	

ThruBit String Master Calibration – TBI Master Calibration COMPLEX GAINS

Master: 5-Jun-2014 10:42

Freq 1, R - 0	1.000	0.9948	--	--	--	--	
Freq 1, R - 1	1.000	0.9926	--	--	--	--	
Freq 1, R - 2	1.000	1.002	--	--	--	--	
Freq 1, R - 3	1.000	0.9899	--	--	--	--	
Freq 1, R - 4	1.000	0.9956	--	--	--	--	
Freq 1, X - 0	0	-0.001612	--	--	--	--	
Freq 1, X - 1	0	-0.00003350	--	--	--	--	
Freq 1, X - 2	0	-0.007920	--	--	--	--	
Freq 1, X - 3	0	0.002349	--	--	--	--	
Freq 1, X - 4	0	-0.001283	--	--	--	--	
Freq 2, R - 0	1.000	0.9887	--	--	--	--	
Freq 2, R - 1	1.000	0.9865	--	--	--	--	
Freq 2, R - 2	1.000	0.9901	--	--	--	--	
Freq 2, R - 3	1.000	0.9847	--	--	--	--	
Freq 2, R - 4	1.000	0.9909	--	--	--	--	
Freq 2, X - 0	0	-0.008414	--	--	--	--	
Freq 2, X - 1	0	-0.007043	--	--	--	--	
Freq 2, X - 2	0	-0.007378	--	--	--	--	
Freq 2, X - 3	0	-0.004972	--	--	--	--	
Freq 2, X - 4	0	-0.008608	--	--	--	--	
Freq 3, R - 0	1.000	0.9947	--	--	--	--	
Freq 3, R - 1	1.000	0.9927	--	--	--	--	
Freq 3, R - 2	1.000	0.9960	--	--	--	--	

Freq 3, R - 3	1.000	0.9887	--	--	--	--
Freq 3, R - 4	1.000	0.9976	--	--	--	--
Freq 3, X - 0	0	-0.009463	--	--	--	--
Freq 3, X - 1	0	-0.008373	--	--	--	--
Freq 3, X - 2	0	-0.008750	--	--	--	--
Freq 3, X - 3	0	-0.005928	--	--	--	--
Freq 3, X - 4	0	-0.01032	--	--	--	--
Freq 4, R - 0	1.000	0.9894	--	--	--	--
Freq 4, R - 1	1.000	0.9871	--	--	--	--
Freq 4, R - 2	1.000	0.9923	--	--	--	--
Freq 4, R - 3	1.000	0.9828	--	--	--	--
Freq 4, R - 4	1.000	0.9982	--	--	--	--
Freq 4, X - 0	0	-0.005285	--	--	--	--
Freq 4, X - 1	0	-0.004597	--	--	--	--
Freq 4, X - 2	0	-0.006712	--	--	--	--
Freq 4, X - 3	0	-0.001977	--	--	--	--
Freq 4, X - 4	0	-0.008673	--	--	--	--

ThruBit String Master Calibration – TBD Caliper Master Calibration

Master: 4-Jun-2014 12:00

Caliper 12in Ring	1949.8	1871.1	--	--	--	--	IN
Caliper 9in Ring	2096.7	2032.2	--	--	--	--	IN
Caliper 6in Ring	2285.7	2201.7	--	--	--	--	IN

ThruBit String Master Calibration – TBD Density Master Calibration. PEEK Window, ThruBit blocks

Master: 4-Jun-2014 11:41

Aluminium Density	2.607	2.607	--	--	--	--	G/C3
Magnesium Density	1.752	1.752	--	--	--	--	G/C3
LS1 Background	140.00	135.30	--	--	--	--	CPS
SS1 Background	140.00	135.74	--	--	--	--	CPS
LS4 Background	29.00	28.59	--	--	--	--	CPS
SS1 Aluminium	4850.00	4795.99	--	--	--	--	CPS
LS1 Aluminium	870.00	923.26	--	--	--	--	CPS
SS1 Magnesium	8000.00	8078.77	--	--	--	--	CPS
LS4 Aluminium	955.00	930.56	--	--	--	--	CPS
SS Slope	1.645	1.586	--	--	--	--	
LS1 Al + Sleeve	725.00	762.33	--	--	--	--	CPS
LS Slope	0.4150	0.4137	--	--	--	--	
LS4 Al + Sleeve	426.50	408.63	--	--	--	--	CPS
Pef K Factor	4.840	4.393	--	--	--	--	
LS1 Magnesium	5800.00	6264.96	--	--	--	--	CPS
Pef B Factor	-0.5550	-0.4984	--	--	--	--	

ThruBit String Master Calibration – TBD Density Master Calibration

Master: Calibration not done

SS1 Background	140.00	135.74	--	--	--	--	CPS
SS2 Background	0	36.7908	--	--	--	--	CPS
SS3 Background	0	21.8065	--	--	--	--	CPS
SS4 Background	0	28.8245	--	--	--	--	CPS
LS1 Background	140.00	135.30	--	--	--	--	CPS
LS2 Background	0	34.9628	--	--	--	--	CPS
LS3 Background	0	21.2027	--	--	--	--	CPS
LS4 Background	29.00	28.59	--	--	--	--	CPS
SS1 Aluminium	4850.00	4795.99	--	--	--	--	CPS
SS2 Aluminium	0	2501.56	--	--	--	--	CPS
SS3 Aluminium	0	2122.90	--	--	--	--	CPS
SS4 Aluminium	0	2113.0215	--	--	--	--	CPS
LS1 Aluminium	870.00	923.26	--	--	--	--	CPS
LS2 Aluminium	0	891.212	--	--	--	--	CPS
LS3 Aluminium	0	931.045	--	--	--	--	CPS
LS4 Aluminium	955.00	930.56	--	--	--	--	CPS
SS1 Al + Sleeve	0	N/A	--	--	--	--	CPS
SS2 Al + Sleeve	0	N/A	--	--	--	--	CPS
SS3 Al + Sleeve	0	N/A	--	--	--	--	CPS
SS4 Al + Sleeve	0	N/A	--	--	--	--	CPS
LS1 Al + Sleeve	725.00	762.33	--	--	--	--	CPS
LS2 Al + Sleeve	0	668.075	--	--	--	--	CPS
LS3 Al + Sleeve	0	567.064	--	--	--	--	CPS
LS4 Al + Sleeve	426.50	408.63	--	--	--	--	CPS
SS1 Magnesium	8000.00	8078.77	--	--	--	--	CPS
SS2 Magnesium	0	4259.10	--	--	--	--	CPS
SS3 Magnesium	0	3508.71	--	--	--	--	CPS
SS4 Magnesium	0	3573.27	--	--	--	--	CPS
LS1 Magnesium	5800.00	6264.96	--	--	--	--	CPS
LS2 Magnesium	0	6259.42	--	--	--	--	CPS
LS3 Magnesium	0	6509.96	--	--	--	--	CPS
LS4 Magnesium	0	6573.73	--	--	--	--	CPS

ThruBit String Master Calibration – Thermal Neutron Master Calibration

Master: 6-Jun-2014 11:11

TNF, Background	1.0	0.74	--	--	--	--	CPS
TNN, Background	1.0	0.34	--	--	--	--	CPS

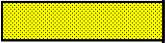
TNF, Tank	96.00	126.4	--	--	--	--	CPS
TNN, Tank	2860.0	3740.2	--	--	--	--	CPS
TNF, Tank + AI Sleeve	3040.0	3903.9	--	--	--	--	CPS
TNN, Tank + AI Sleeve	32350.0	41374.1	--	--	--	--	CPS
Tank + AI Sleeve Ratio	10.797	11.085	--	--	--	--	
Tank + AI Sleeve Porosity	14.40	14.46	--	--	--	--	PU
Tank, Ratio	30.958	29.597	--	--	--	--	
Tank, Temperature	70.0	73.0	--	--	--	--	DEGF
ThruBit String Master Calibration – TMG Accelerometer Calibration							
Master: Calibration not done							
Minimum Ax, m/s2	-9.810	N/A	--	--	--	--	
Maximum Ax, m/s2	9.810	N/A	--	--	--	--	
Minimum Ay, m/s2	-9.810	N/A	--	--	--	--	
Maximum Ay, m/s2	9.810	N/A	--	--	--	--	
Minimum Az, m/s2	0	N/A	--	--	--	--	
Maximum Az, m/s2	9.810	N/A	--	--	--	--	
RB Offset, degrees	0	N/A	--	--	--	--	
ThruBit String Master Calibration – TMG Gamma-Ray Calibration							
Master: Calibration not done							
GR Background	30.00	N/A	--	--	--	--	GAPI
GR Jig-Background	152.0	N/A	--	--	--	--	GAPI

ThruBit String / Equipment Identification

Primary Equipment:

Induction Resistivity	TBI – A	38
Density	TBD – A	23
Gamma-Ray Logging Source	GGLS – FZ	
Thermal Neutron	TBN – A	21
Neutron Logging Source	NNLS – EWA	
Telemetry Memory GR	TMG – A	4

Auxiliary Equipment:

ThruBit String Master Calibration					
TBI Master Calibration Sonde Errors					
Freq 1, A1, R	Value	Nominal	Freq 1, A1, X	Value	Nominal
	-478.393	-457.000		185.483	300.000
-536.000 (Minimum)	-387.000 (Nominal)		-500.000 (Minimum)	1100.00 (Nominal)	
Freq 1, A2, R	Value	Nominal	Freq 1, A2, X	Value	Nominal
	-138.231	-141.000		0.851960	320.000
-162.000 (Minimum)	-120.000 (Nominal)		-75.0000 (Minimum)	700.000 (Nominal)	
Freq 1, A3, R	Value	Nominal	Freq 1, A3, X	Value	Nominal
	-29.4220	-28.0000		-136.056	50.0000
-38.0000 (Minimum)	-18.0000 (Nominal)		-375.000 (Minimum)	475.000 (Nominal)	
Freq 1, A4, R	Value	Nominal	Freq 1, A4, X	Value	Nominal
	-16.6383	-16.0000		235.441	300.000
-24.0000 (Minimum)	-8.00000 (Nominal)		25.0000 (Minimum)	575.000 (Nominal)	
Freq 1, A5, R	Value	Nominal	Freq 1, A5, X	Value	Nominal
	-14.4074	-14.0000		147.285	150.000
-21.0000 (Minimum)	-7.00000 (Nominal)		25.0000 (Minimum)	275.000 (Nominal)	
Freq 2, A1, R	Value	Nominal	Freq 2, A1, X	Value	Nominal
	-252.457	-237.000		94.7850	150.000
-293.000 (Minimum)	-186.000 (Nominal)		-375.000 (Minimum)	675.000 (Nominal)	
Freq 2, A2, R	Value	Nominal	Freq 2, A2, X	Value	Nominal
	-87.9835	-92.0000		-31.3473	160.000
-106.000 (Minimum)	-76.0000 (Nominal)		-100.000 (Minimum)	425.000 (Nominal)	
Freq 2, A3, R	Value	Nominal	Freq 2, A3, X	Value	Nominal
	-21.1947	-21.0000		-141.552	-20.0000

-28.0000 (Minimum)	(Nominal)	-13.0000 (Maximum)	21.0000	-325.000 (Minimum)	(Nominal)	250.000 (Maximum)	141.000	20.0000
Freq 2, A4, R		Value	Nominal	Freq 2, A4, X		Value	Nominal	
		-19.8937	-20.0000			64.3133	100.000	
-28.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)		-75.0000 (Minimum)	(Nominal)	275.000 (Maximum)		
Freq 2, A5, R		Value	Nominal	Freq 2, A5, X		Value	Nominal	
		-19.5506	-20.0000			-2.33406	-25.0000	
-27.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)		-125.000 (Minimum)	(Nominal)	75.0000 (Maximum)		
Freq 3, A1, R		Value	Nominal	Freq 3, A1, X		Value	Nominal	
		-163.294	-149.000			-0.0491341	25.0000	
-193.000 (Minimum)	(Nominal)	-108.000 (Maximum)		-375.000 (Minimum)	(Nominal)	425.000 (Maximum)		
Freq 3, A2, R		Value	Nominal	Freq 3, A2, X		Value	Nominal	
		-66.7262	-70.0000			-67.6796	70.0000	
-81.0000 (Minimum)	(Nominal)	-57.0000 (Maximum)		-125.000 (Minimum)	(Nominal)	250.000 (Maximum)		
Freq 3, A3, R		Value	Nominal	Freq 3, A3, X		Value	Nominal	
		-17.4929	-17.0000			-163.048	-90.0000	
-23.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-300.000 (Minimum)	(Nominal)	125.000 (Maximum)		
Freq 3, A4, R		Value	Nominal	Freq 3, A4, X		Value	Nominal	
		-21.6818	-22.0000			-50.7073	-50.0000	
-31.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	100.000 (Maximum)		
Freq 3, A5, R		Value	Nominal	Freq 3, A5, X		Value	Nominal	
		-22.3770	-22.0000			-110.983	-110.000	
-32.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-250.000 (Minimum)	(Nominal)	-25.0000 (Maximum)		
Freq 4, A1, R		Value	Nominal	Freq 4, A1, X		Value	Nominal	
		-91.1573	-80.0000			-155.338	-190.000	
-108.000 (Minimum)	(Nominal)	-54.0000 (Maximum)		-450.000 (Minimum)	(Nominal)	75.0000 (Maximum)		
Freq 4, A2, R		Value	Nominal	Freq 4, A2, X		Value	Nominal	
		-47.9380	-50.0000			-133.349	-75.0000	
-60.0000 (Minimum)	(Nominal)	-41.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	50.0000 (Maximum)		
Freq 4, A3, R		Value	Nominal	Freq 4, A3, X		Value	Nominal	
		-13.9621	-14.0000			-216.487	-190.000	
-19.0000 (Minimum)	(Nominal)	-8.00000 (Maximum)		-350.000 (Minimum)	(Nominal)	-25.0000 (Maximum)		
Freq 4, A4, R		Value	Nominal	Freq 4, A4, X		Value	Nominal	
		-24.4168	-25.0000			-223.578	-235.000	
-37.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-400.000 (Minimum)	(Nominal)	-75.0000 (Maximum)		
Freq 4, A5, R		Value	Nominal	Freq 4, A5, X		Value	Nominal	
		-27.5374	-28.0000			-292.622	-300.000	
-43.0000 (Minimum)	(Nominal)	-12.0000 (Maximum)		-475.000 (Minimum)	(Nominal)	-125.000 (Maximum)		
Master: 5-Jun-2014 10:42								

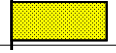
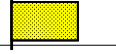
ThruBit String Master Calibration							
TBI Master Calibration COMPLEX GAINS							
Freq 1, R		Value	Nominal	Freq 1, X		Value	Nominal
		0.9948	1.000			-0.001612	0
		0.9926	1.000			-3.350E-00	0
		1.002	1.000			-0.007920	0
		0.9899	1.000			0.002349	0
		0.9956	1.000			-0.001283	0
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	
Freq 2, R		Value	Nominal	Freq 2, X		Value	Nominal

Freq 2, R			Value	Nominal	Freq 2, X		
			0.9887	1.000			
			0.9865	1.000			
			0.9901	1.000			
			0.9847	1.000			
			0.9909	1.000			
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)
Freq 3, R			Value	Nominal	Freq 3, X		
			0.9947	1.000			
			0.9927	1.000			
			0.9960	1.000			
			0.9887	1.000			
			0.9976	1.000			
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)
Freq 4, R			Value	Nominal	Freq 4, X		
			0.9894	1.000			
			0.9871	1.000			
			0.9923	1.000			
			0.9828	1.000			
			0.9982	1.000			
0.9300 (Minimum)	(Nominal)	1.070 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)

Master: 5-Jun-2014 10:42

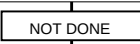
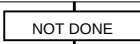
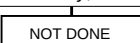
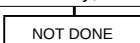
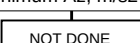
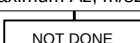
ThruBit String Master Calibration								
TBD Caliper Master Calibration								
Caliper 12in Ring IN	Value	Nominal	Caliper 9in Ring IN	Value	Nominal	Caliper 6in Ring IN	Value	Nominal
	1871.1	1949.8		2032.2	2096.7		2201.7	2285.7
1799.8 (Minimum)	(Nominal)	2099.8 (Maximum)	1946.7 (Minimum)	(Nominal)	2246.7 (Maximum)	2135.7 (Minimum)	(Nominal)	2435.7 (Maximum)

Master: 4-Jun-2014 12:00

ThruBit String Master Calibration						
TBD Density Master Calibration. PEEK Window, ThruBit blocks						
Aluminium Density G/C3	Value	Nominal	Magnesium Density G/C3	Value	Nominal	
	2.607	2.607		1.752	1.752	
2.557 (Minimum)	(Nominal)	2.657 (Maximum)	1.702 (Minimum)	(Nominal)	1.802 (Maximum)	
LS1 Background CPS	Value	Nominal	SS1 Background CPS	Value	Nominal	
	135.30	140.00		135.74	140.00	
100.00 (Minimum)	(Nominal)	187.00 (Maximum)	100.00 (Minimum)	(Nominal)	185.00 (Maximum)	
LS4 Background CPS	Value	Nominal	SS1 Aluminium CPS	Value	Nominal	
	28.59	29.00		4795.99	4850.00	
20.00 (Minimum)	(Nominal)	38.00 (Maximum)	4076.00 (Minimum)	(Nominal)	5613.00 (Maximum)	
LS1 Aluminium CPS	Value	Nominal	SS1 Magnesium CPS	Value	Nominal	
	923.26	870.00		8078.77	8000.00	
750.00 (Minimum)	(Nominal)	982.00 (Maximum)	6695.00 (Minimum)	(Nominal)	9269.00 (Maximum)	
LS4 Aluminium CPS	Value	Nominal				
	930.56	955.00				
796.00 (Minimum)	(Nominal)	1169.0 (Maximum)				
LS1 Al + Sleeve CPS	Value	Nominal				
	762.33	725.00				
650.00		838.00				

(Minimum)	(Nominal)	(Maximum)	
LS4 Al + Sleeve CPS		Value	Nominal
		408.63	426.50
382.00 (Minimum)	(Nominal)	638.00 (Maximum)	
LS1 Magnesium CPS		Value	Nominal
		6264.96	5800.00
5158.00 (Minimum)	(Nominal)	6486.00 (Maximum)	
SS Slope		Value	Nominal
		1.586	1.645
1.520 (Minimum)	(Nominal)	1.770 (Maximum)	
LS Slope		Value	Nominal
		0.4137	0.4150
0.3800 (Minimum)	(Nominal)	0.4500 (Maximum)	
Pef K Factor		Value	Nominal
		4.393	4.840
3.510 (Minimum)	(Nominal)	6.170 (Maximum)	
Pef B Factor		Value	Nominal
		-0.4984	-0.5550
-0.7000 (Minimum)	(Nominal)	-0.4100 (Maximum)	
Master: 4-Jun-2014 11:41			

ThruBit String Master Calibration					
Thermal Neutron Master Calibration					
TNF, Background CPS		Value	Nominal	TNN, Background CPS	
		0.74	1.0		
0 (Minimum)	(Nominal)	2.0 (Maximum)		0 (Minimum)	(Nominal)
TNF, Tank CPS		Value	Nominal	TNN, Tank CPS	
		126.4	96.00		
25.00 (Minimum)	(Nominal)	200.0 (Maximum)		750.00 (Minimum)	(Nominal)
TNF, Tank + Al Sleeve CPS		Value	Nominal	TNN, Tank + Al Sleeve CPS	
		3903.9	3040.0		
727.00 (Minimum)	(Nominal)	6080.0 (Maximum)		8000.00 (Minimum)	(Nominal)
Tank + Al Sleeve Ratio		Value	Nominal	Tank + Al Sleeve Porosity PU	
		11.085	10.797		
10.300 (Minimum)	(Nominal)	11.300 (Maximum)		13.40 (Minimum)	(Nominal)
Tank, Ratio		Value	Nominal	Tank, Temperature DEGF	
		29.597	30.958		
28.000 (Minimum)	(Nominal)	34.000 (Maximum)		20.0 (Minimum)	(Nominal)
Master: 6-Jun-2014 11:11					

ThruBit String Master Calibration					
TMG Accelerometer Calibration					
Minimum Ax, m/s2		Value	Nominal	Maximum Ax, m/s2	
		N/A	-9.810		
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)
Minimum Ay, m/s2		Value	Nominal	Maximum Ay, m/s2	
		N/A	-9.810		
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)
Minimum Az, m/s2		Value	Nominal	Maximum Az, m/s2	
		N/A	0		
-1.000 (Minimum)	(Nominal)	1.000 (Maximum)		8.810 (Minimum)	(Nominal)

RB Offset, degrees		Value	Nominal	
NOT DONE		N/A	0	
-360.0 (Minimum)	(Nominal)	360.0 (Maximum)		
Master: Calibration not done				

ThruBit String Master Calibration							
TMG Gamma-Ray Calibration							
GR Background GAPI		Value	Nominal	GR Jig-Background GAPI		Value	Nominal
NOT DONE		N/A	30.00	NOT DONE		N/A	152.0
0 (Minimum)	(Nominal)	120.0 (Maximum)		121.6 (Minimum)	(Nominal)	182.4 (Maximum)	
Master: Calibration not done							

Company: MERIT ENERGY COMPANY



Well: GARDEN CITY V-6
Field: SEQUOYAH SOUTH
County: FINNEY
State: KANSAS

BOREHOLE VOLUME CALIPER LOG