



Company: SANDRIDGE ENERGY INC

Well: MYRA 3406 4-8H

Field: EASTHAM

County: HARPER

State: KANSAS

ARRAY INDUCTION  
GAMMA RAY  
MEMORY LOG

County: HARPER  
Field: EASTHAM  
Location: 290' FSL & 400' FEL  
Well: MYRA 3406 4-8H  
Company: SANDRIDGE ENERGY INC

LOCATION		290' FSL & 400' FEL	Elev.: K.B. 1347.00 ft
Permanent Datum:	GROUND LEVEL		G.L. 1328.00 ft
Log Measured From:	DRILLING FLOOR	19.00 ft	D.F. 1347.00 ft
Drilling Measured From:	DRILLING FLOOR		
API Serial No.	Section	Township	Range
15077220300100	8	34S	6W

Logging Date	Run 1	Run 2	Run
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature			
RMF @ Measured Temperature			
RMC @ Measured Temperature			
Source RMF			
RM @ MRT			
Maximum Recorded Temperatures			
Circulation Stopped			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

Logging Date	06 APRIL 2014
Run Number	1
Depth Driller	9140 ft
Schlumberger Depth	9117 ft
Bottom Log Interval	9107 ft
Top Log Interval	2800 ft
Casing Driller Size @ Depth	7.000 in @ 5296 ft
Casing Schlumberger	5294 ft
Bit Size	6.125 in
Type Fluid In Hole	WBM
Density	8.6 lbm/gal
Fluid Loss	50 cm3
Source Of Sample	SUCTION PIT
RM @ Measured Temperature	4.100 ohm.m @ 58 degF
RMF @ Measured Temperature	3.100 ohm.m @ 58 degF
RMC @ Measured Temperature	5.100 ohm.m @ 58 degF
Source RMF	CALCULATED
RM @ MRT	1.822 @ 139
Maximum Recorded Temperatures	139 degF
Circulation Stopped	06APRIL2014
Logger On Bottom	06APRIL2014
Unit Number	4
Recorded By	D. THOMAS
Witnessed By	JAMES FRIZZELL

Logging Date	
Run Number	
Depth Driller	
Schlumberger Depth	
Bottom Log Interval	
Top Log Interval	
Casing Driller Size @ Depth	
Casing Schlumberger	
Bit Size	
Type Fluid In Hole	
Density	
Fluid Loss	
Source Of Sample	
RM @ Measured Temperature	
RMF @ Measured Temperature	
RMC @ Measured Temperature	
Source RMF	
RM @ MRT	
Maximum Recorded Temperatures	
Circulation Stopped	
Logger On Bottom	
Unit Number	
Recorded By	
Witnessed By	

**DISCLAIMER**

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

**OTHER SERVICES1**  
 OS1: THRU BIT  
 OS2: PORTAL  
 OS3: BIT  
 OS4:  
 OS5:

**OTHER SERVICES2**  
 OS1:  
 OS2:  
 OS3:  
 OS4:  
 OS5:

**REMARKS: RUN NUMBER 1**  
 SERVICE: LEVEL 4 - HORIZ MEMORY PUMP-DOWN - BIT DEPTH: 9059' LOG TO: 280C  
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST  
 LIMESTONE MATRIX, 2.71 G/CC, USED TO CALCULATE POROSITIES  
 TOOL STRING RAN WITH SWIVEL, SMALL DECENTRALIZER, NO STANDOFFS  
 CEMENT VOLUME CALCULATIONS BASED ON 4.50" FUTURE CASING  
 HSPM AND MDTOTCO USED TO CREATE LOG DEPTH  
 LOG DEPTH CORRELATED TO MWD GAMMA RAY AT CUSTOMERS REQUEST

**REMARKS: RUN NUMBER 2**

RIG: LARIAT #20  
 CREW: D. THOMAS, K. REED, J. DOTY

RUN 1		
SERVICE ORDER #:	2732	
PROGRAM VERSION:	19C2-270	
FLUID LEVEL:	0 ft	
LOGGED INTERVAL	START	STOP

RUN 2		
SERVICE ORDER #:		
PROGRAM VERSION:		
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

## EQUIPMENT DESCRIPTION

RUN 1

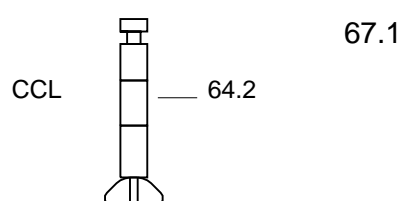
**SURFACE EQUIPMENT**

WITM (ThruBit)

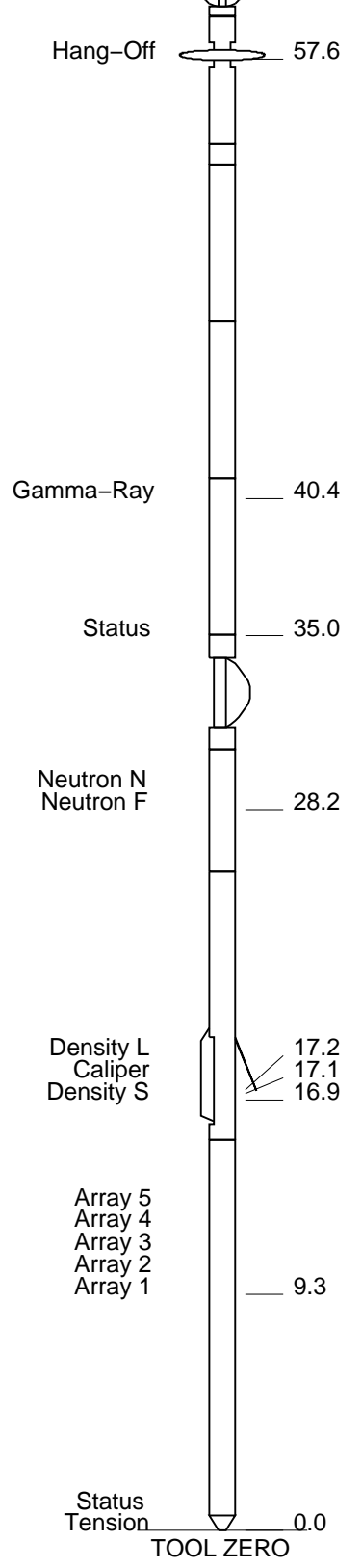
RUN 2

**DOWNHOLE EQUIPMENT**

TBT-A  
 THEAD  
 CCL  
 BDOT-B  
 THOT  
 T10 1  
 TBAT1 7  
 TBAT2 40



TMG-A 49  
TBEX-A  
TBN-A 25  
NNLS-EWA  
TBD-A 46  
GGLS-FZ  
TBI-A 24



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



# MAIN PASS (2"/100' SCALE)

MAXIS Field Log

Company: SANDRIDGE ENERGY INC

Well: MYRA 3406 4-8H

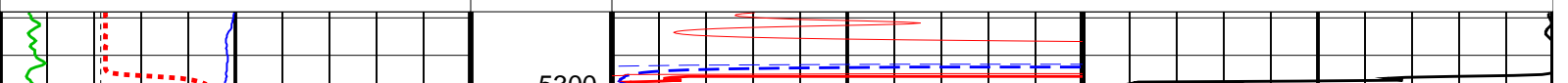
## Input DLIS Files

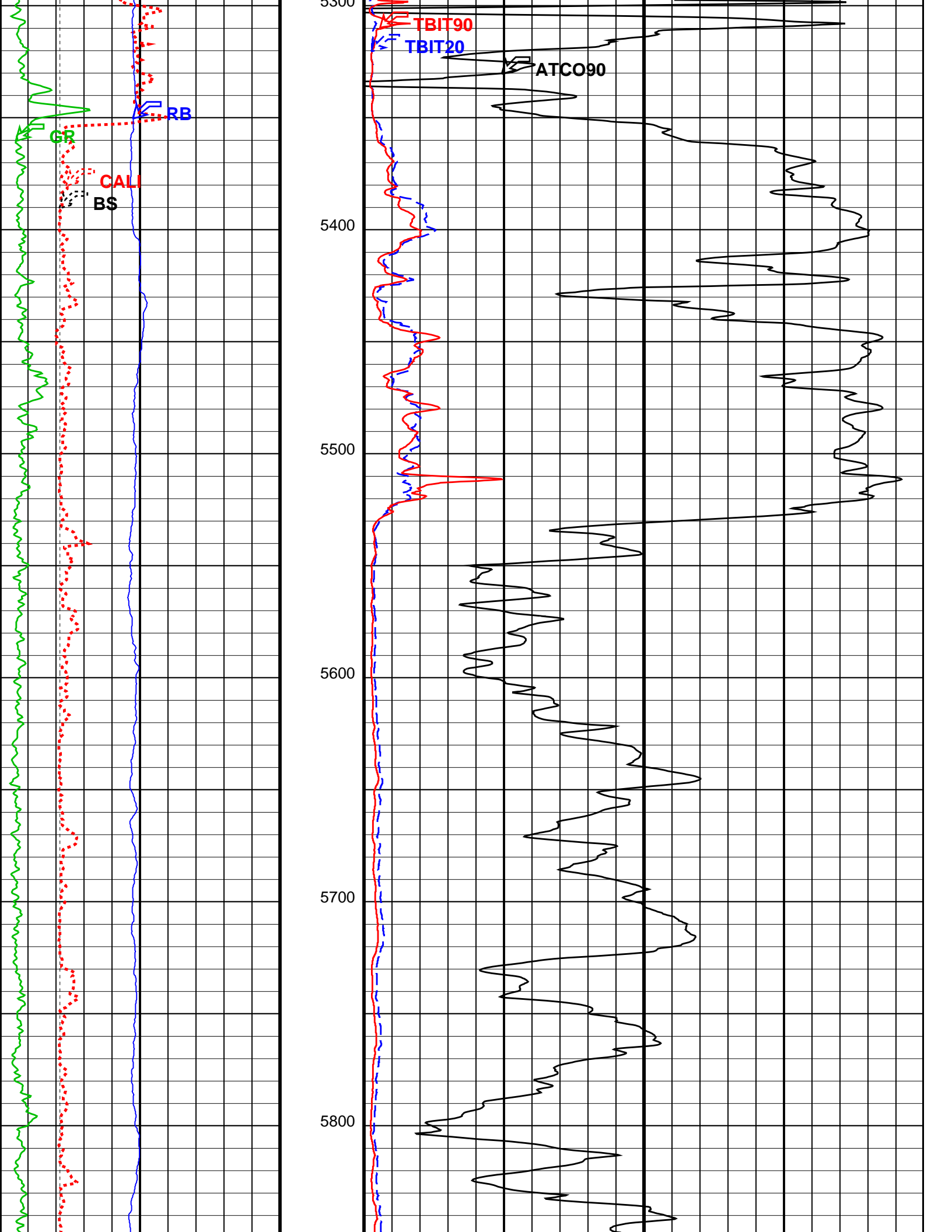
DEFAULT ThruBit\_016PUP FN:15 PRODUCER 06-Apr-2014 13:12 9117.0 FT 2744.5 FT

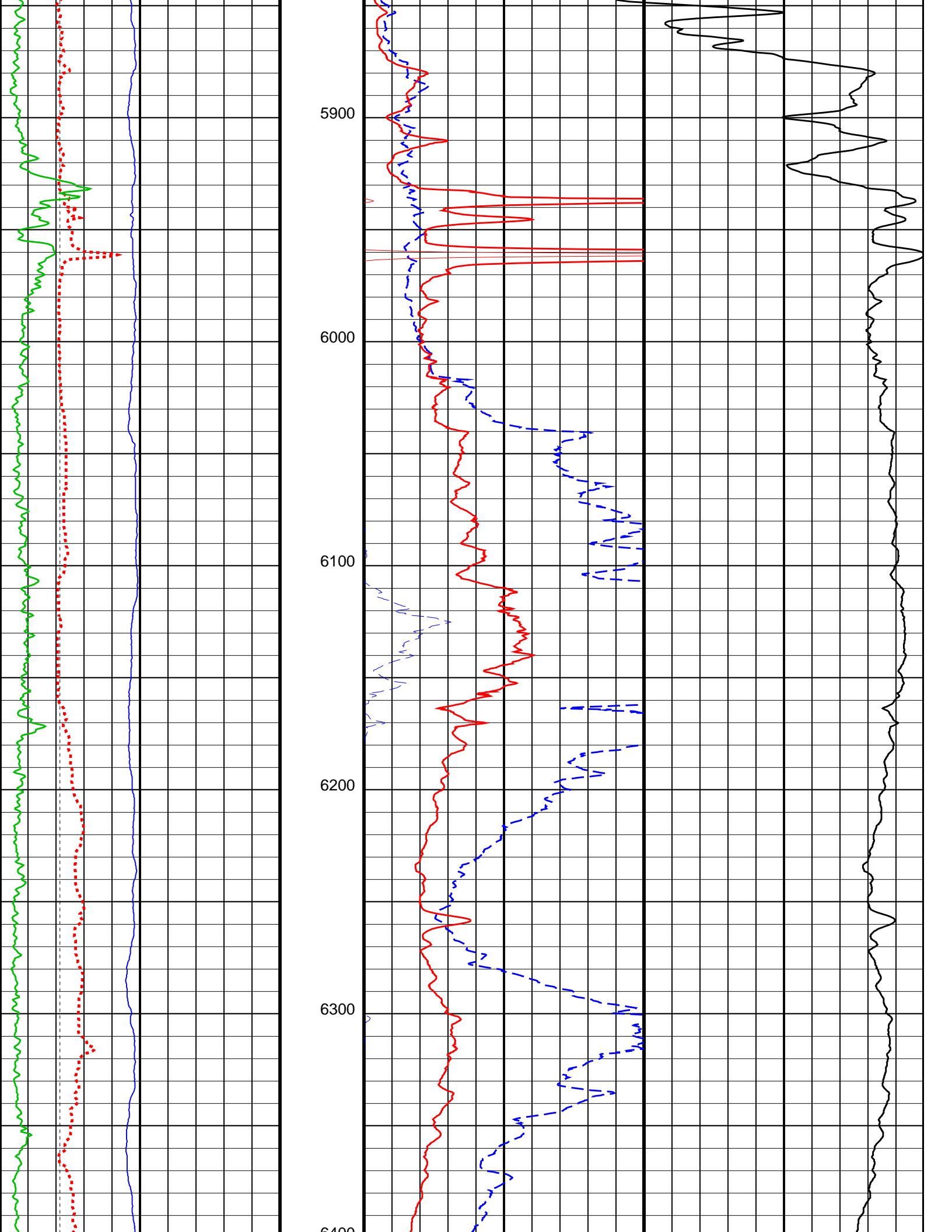
## OP System Version: 19C2-270

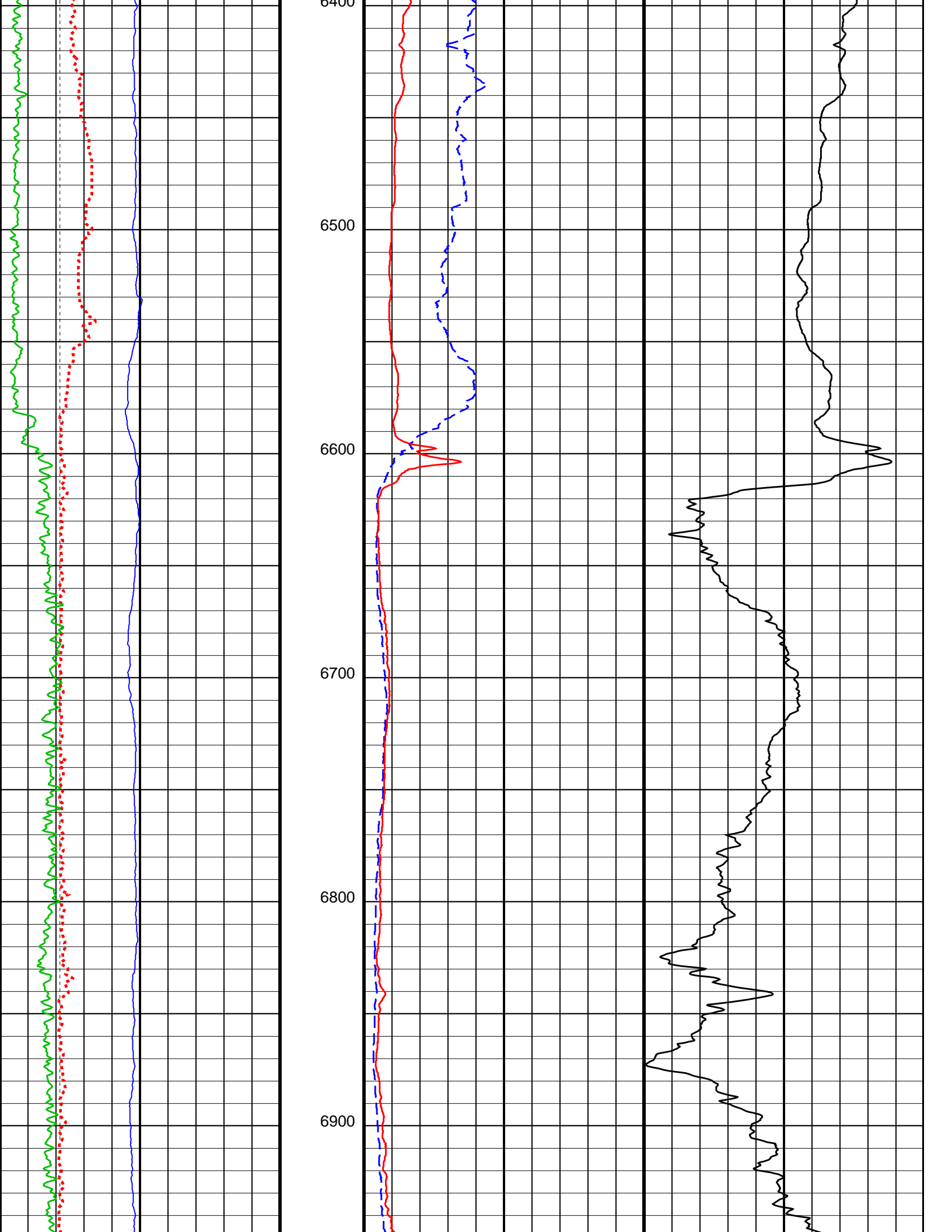
TBT SRPC-5292-ThruBit\_RevA

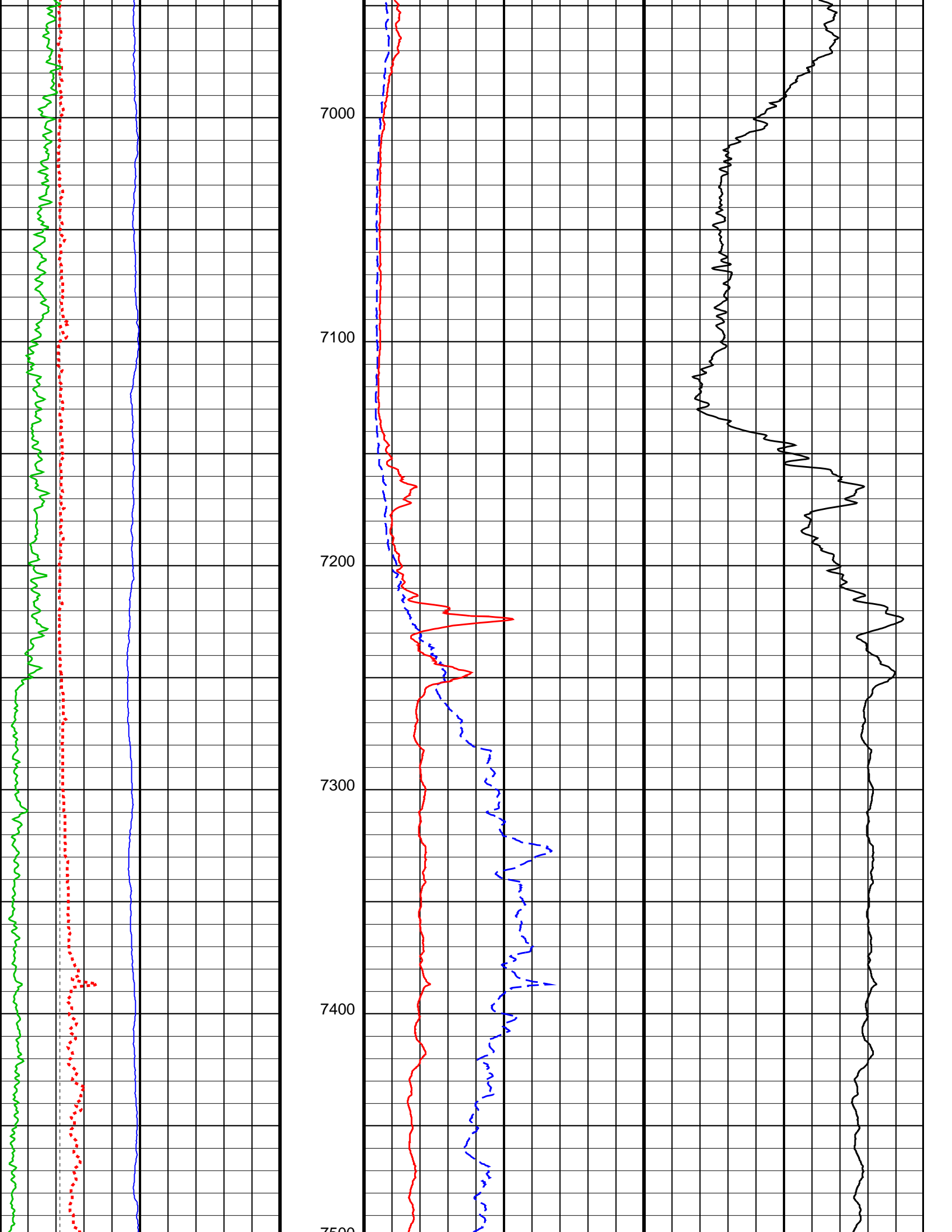
	<u>TBI 20 Inch Investigation (TBIT20)</u> 50 (OHMM) 500	
<u>Caliper (CALI)</u> 4 (IN) 14	<u>TBI 90 Inch Investigation (TBIT90)</u> 50 (OHMM) 500	
<u>Gamma Ray (GR)</u> 0 (GAPI) 150	<u>TBI 90 Inch Investigation (TBIT90)</u> 0 (OHMM) 50	
<u>Relative Bearing (RB)</u> 0 (DEG) 360	<u>TBI 20 Inch Investigation (TBIT20)</u> 0 (OHMM) 50	
<u>Bit Size (BS)</u> 4 (IN) 14	<u>TBI 90 Inch Conductivity (ATCO90)</u> 1000 (MM/M) 0	



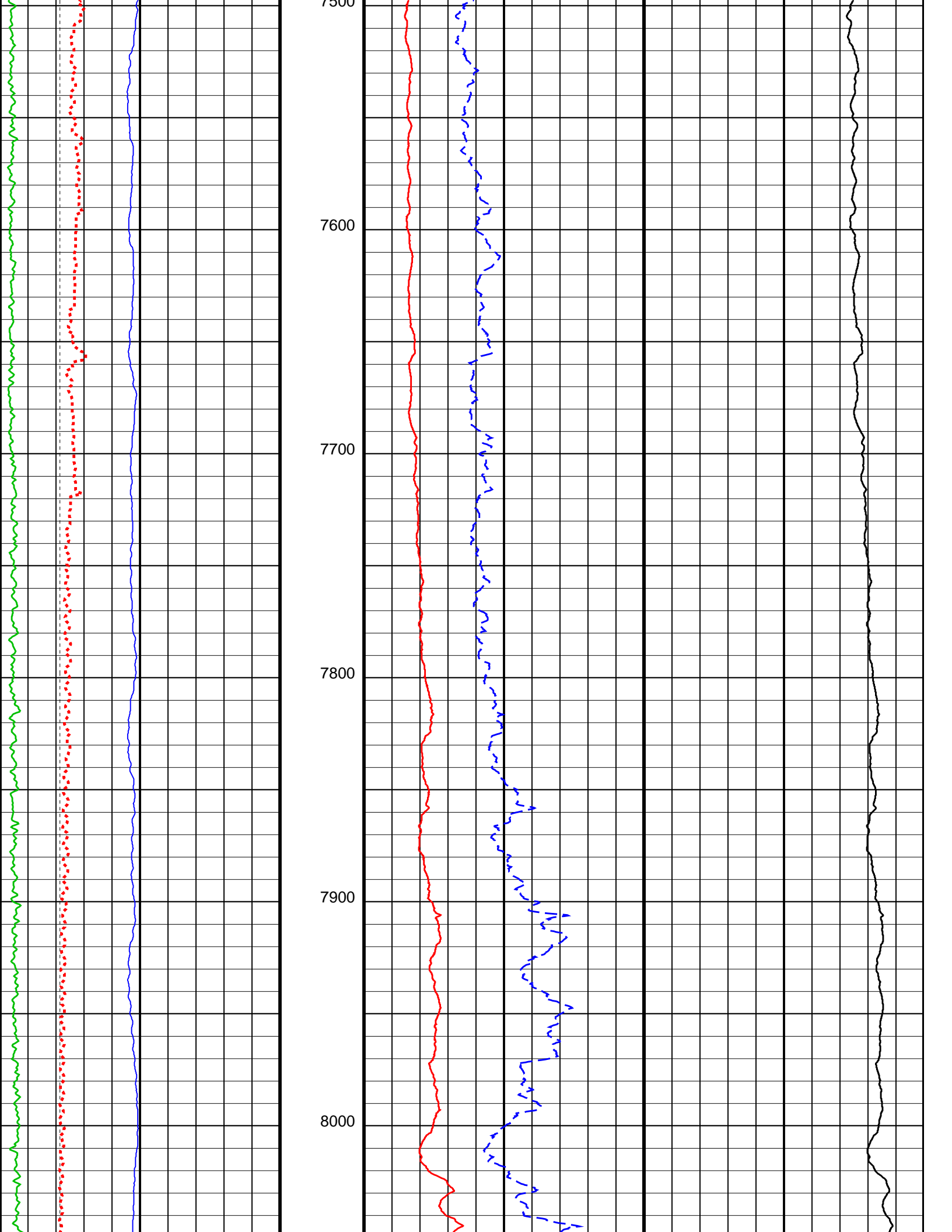


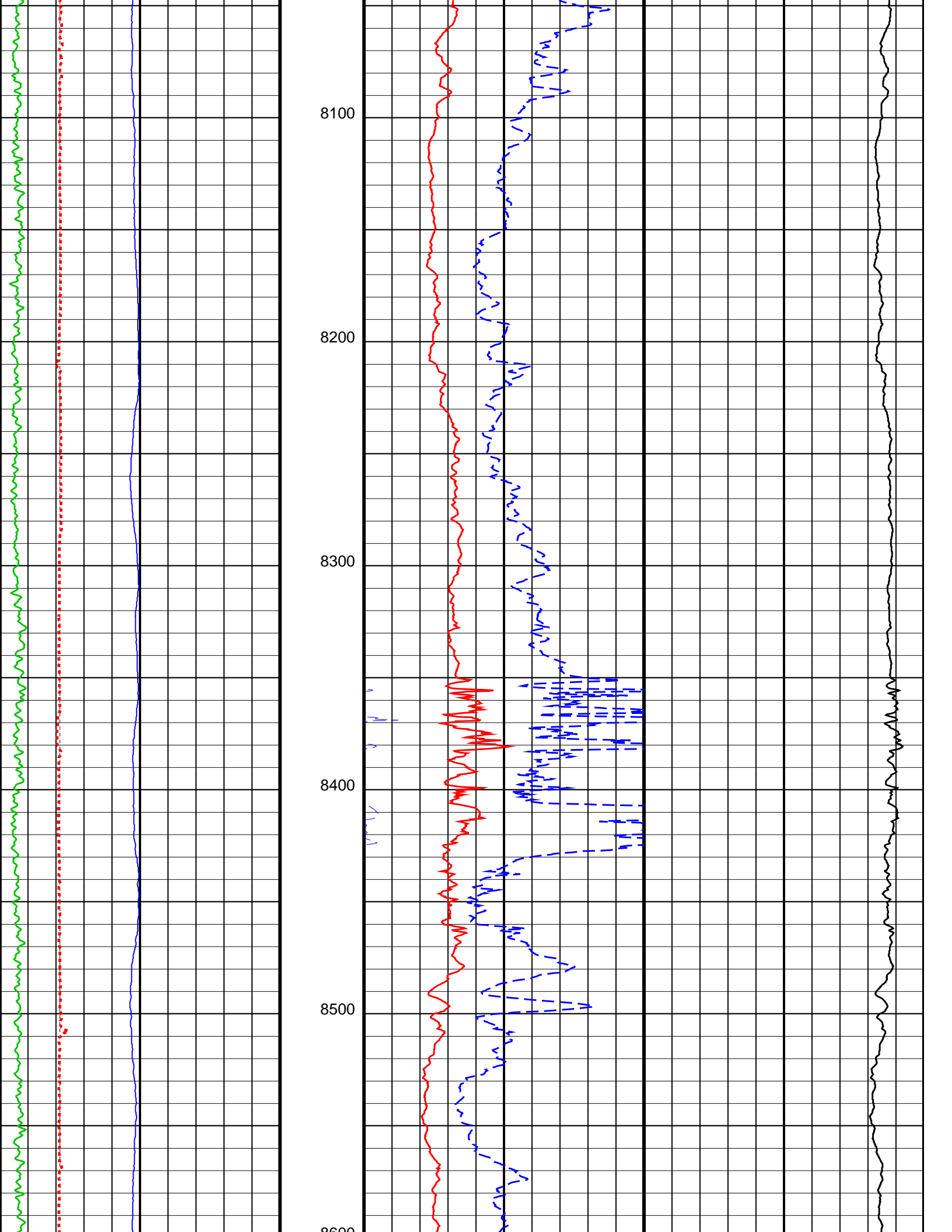


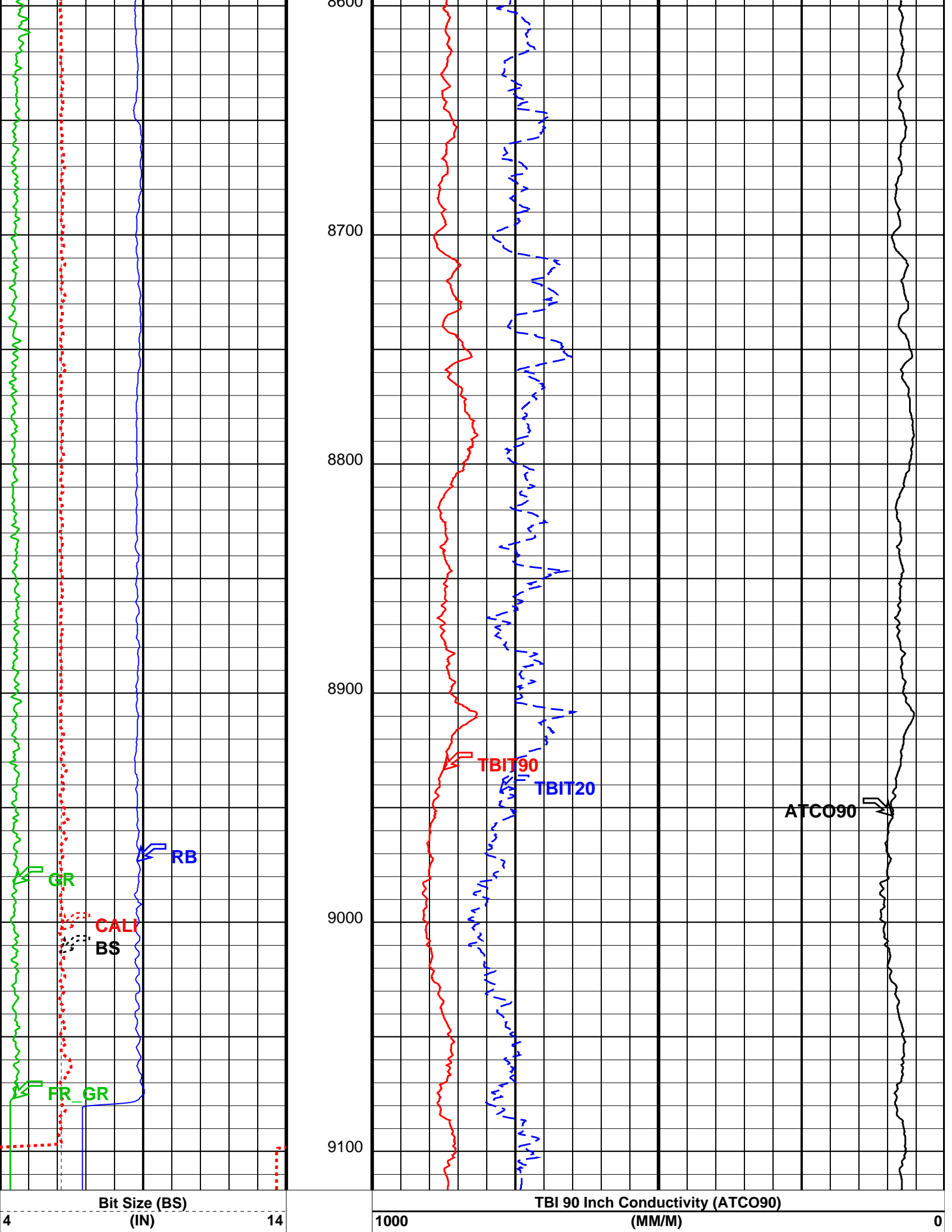












0	(DEG)	360
<b>Gamma Ray (GR)</b>		
0	(GAPI)	150
<b>Caliper (CALI)</b>		
4	(IN)	14

0	(OHMM)	50
<b>TBI 90 Inch Investigation (TBIT90)</b>		
0	(OHMM)	50
<b>TBI 90 Inch Investigation (TBIT90)</b>		
50	(OHMM)	500
<b>TBI 20 Inch Investigation (TBIT20)</b>		
50	(OHMM)	500

## Parameters

DLIS Name	Description	Value
TBT-A: ThruBit String		
MT	Mud Type (for TBN and TBI correction)	WBM
RB_OFFSET	Additional RB offset (degrees)	0.000 deg
TBI_ALGO	TBI Algorithm Selection	AIT
TBI_BHC_OP	Borehole Correction Option (for TBI)	CALIPER
TBI_CALTYP	TBI Mastercal Type	THRUBIT
TBI_REPL_ARRAY_DEST	TBI: Replace This Array	NONE
TBI_REPL_ARRAY_SOURCE	TBI: With This Array	NONE
TBI_TC_OP	Induction Temperature Correction Option	LOWER
DIR: Directional Survey Computation		
SPVD	TVD of Starting Point	0.000 ft
TIMD	Along-hole depth of Tie-in Point	0.000 ft
TIVD	TVD of Tie-in Point	0.000 ft
System and Miscellaneous		
BS	Bit Size	6.125 in

Format: TB\_2INCH\_RESISTIVITY      Vertical Scale: 2" per 100'      Graphics File Created: 06-Apr-2014 13:20

## OP System Version: 19C2-270

TBT      SRPC-5292-ThruBit\_RevA

### Input DLIS Files

DEFAULT      ThruBit\_016PUP      FN:15      PRODUCER      06-Apr-2014 13:12      9117.0 FT      2744.5 FT



## MAIN PASS (5"/100' SCALE)

MAXIS Field Log

Company: SANDRIDGE ENERGY INC      Well: MYRA 3406 4-8H

### Input DLIS Files

DEFAULT      ThruBit\_016PUP      FN:15      PRODUCER      06-Apr-2014 13:12      9117.0 FT      2744.5 FT

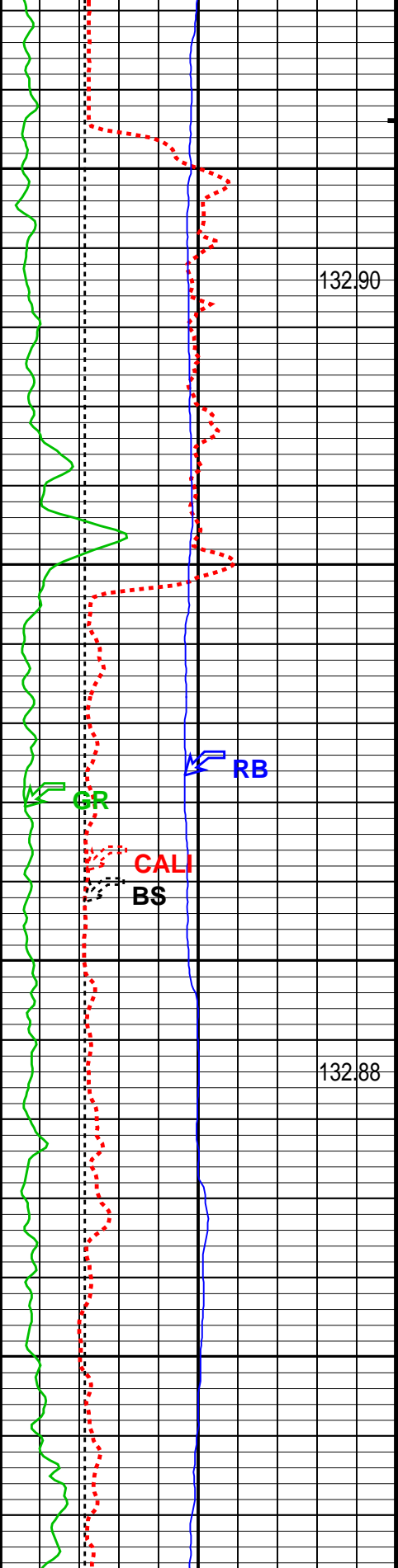
## OP System Version: 19C2-270

TBT      SRPC-5292-ThruBit\_RevA

	GR TEMP (WTEP) (DEGF)	
<b>Caliper (CALI)</b>		
4	(IN)	14
<b>Gamma Ray (GR)</b>		
0	(GAPI)	150
<b>TBI 90 Inch Investigation (TBIT90)</b>		
0.2	(OHMM)	2000
<b>TBI 60 Inch Investigation (TBIT60)</b>		
0.2	(OHMM)	2000

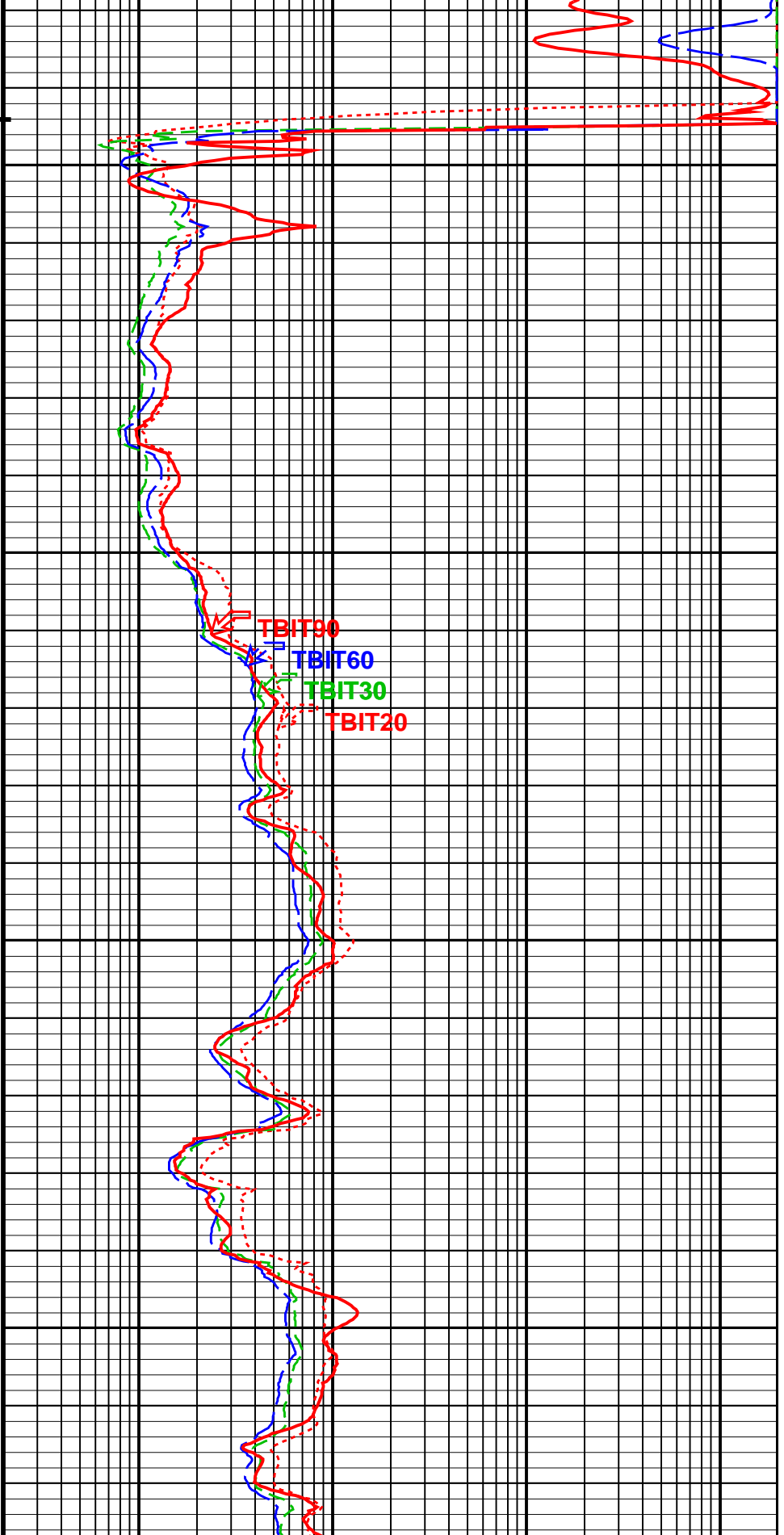
Bit Size (BS)  
(IN) 4 14

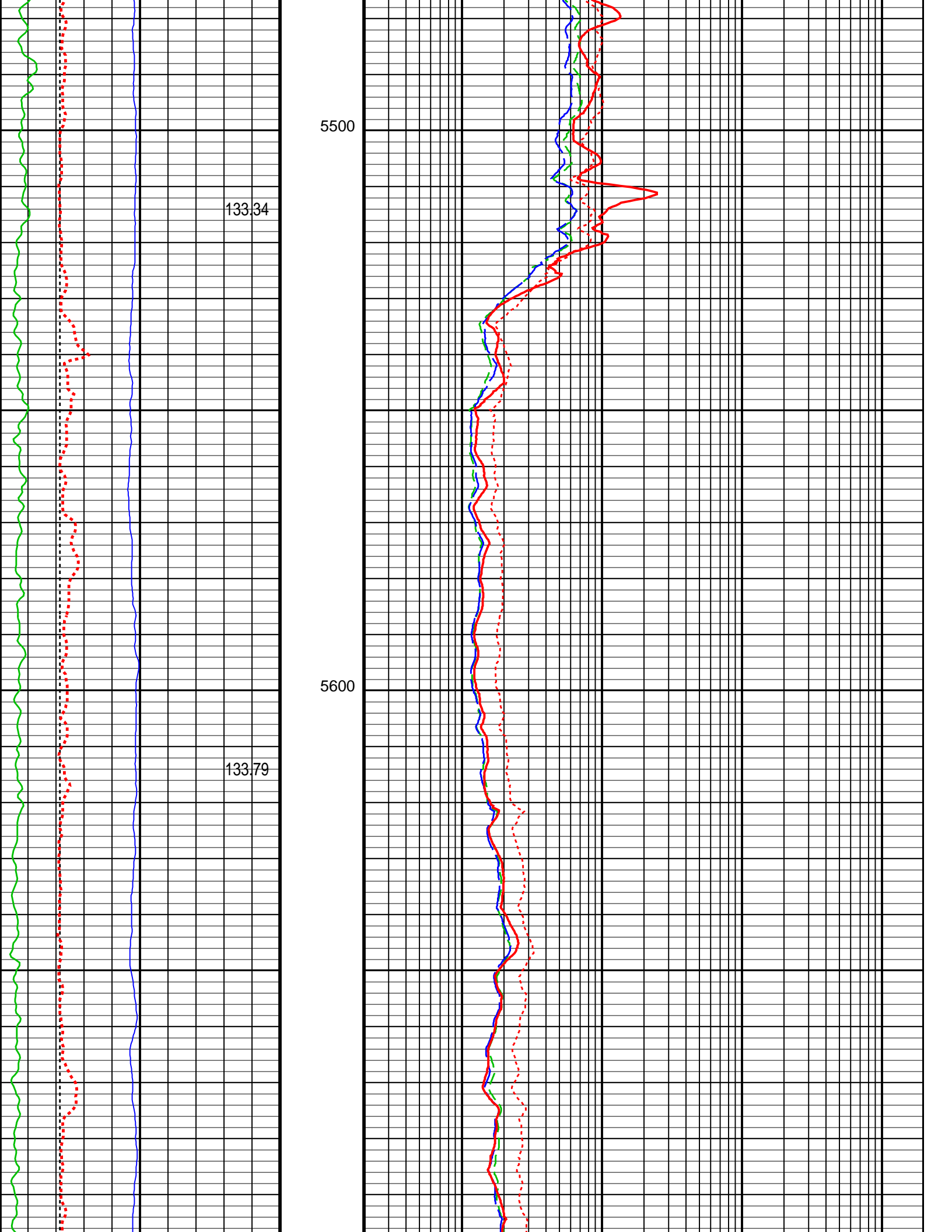
Relative Bearing (RB)  
(DEG) 0 360

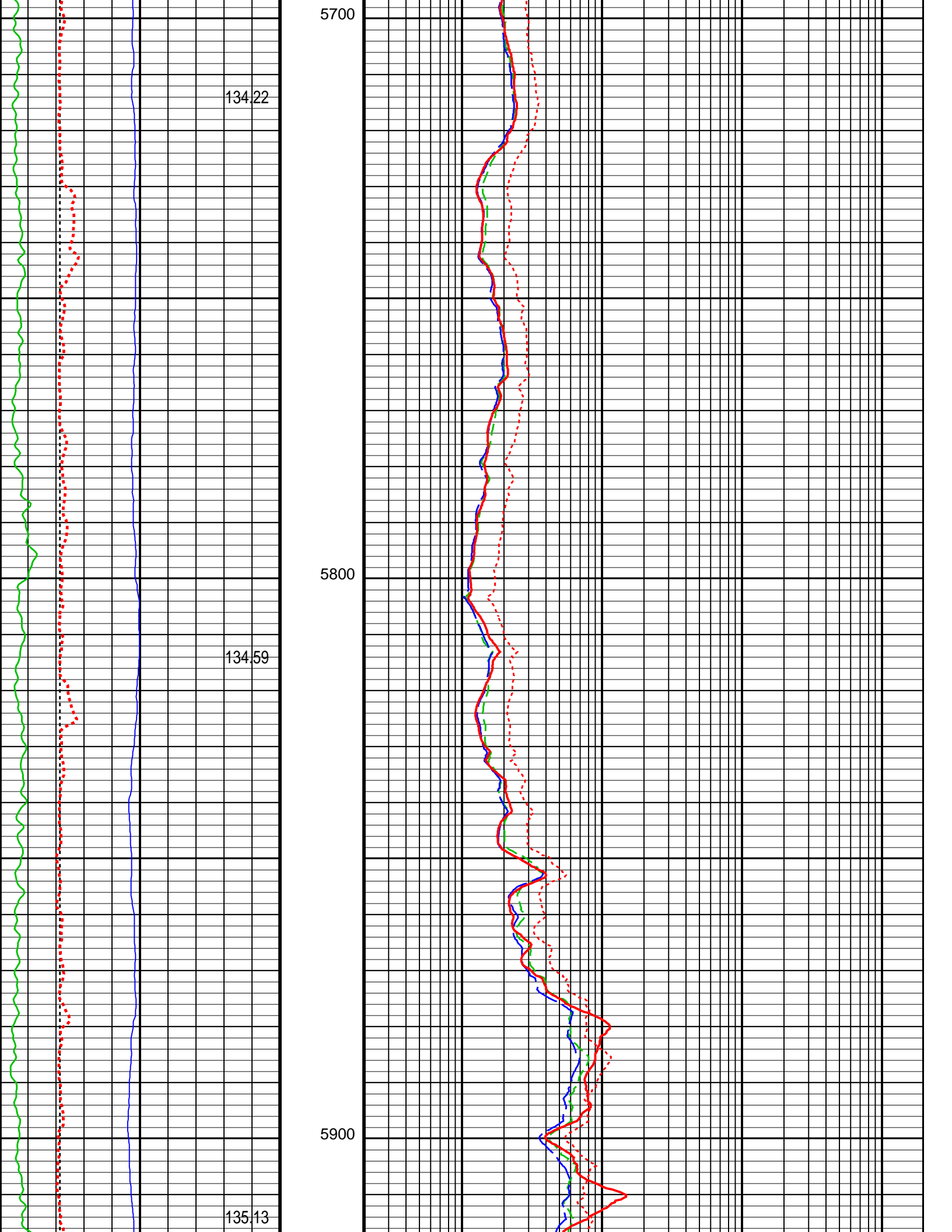


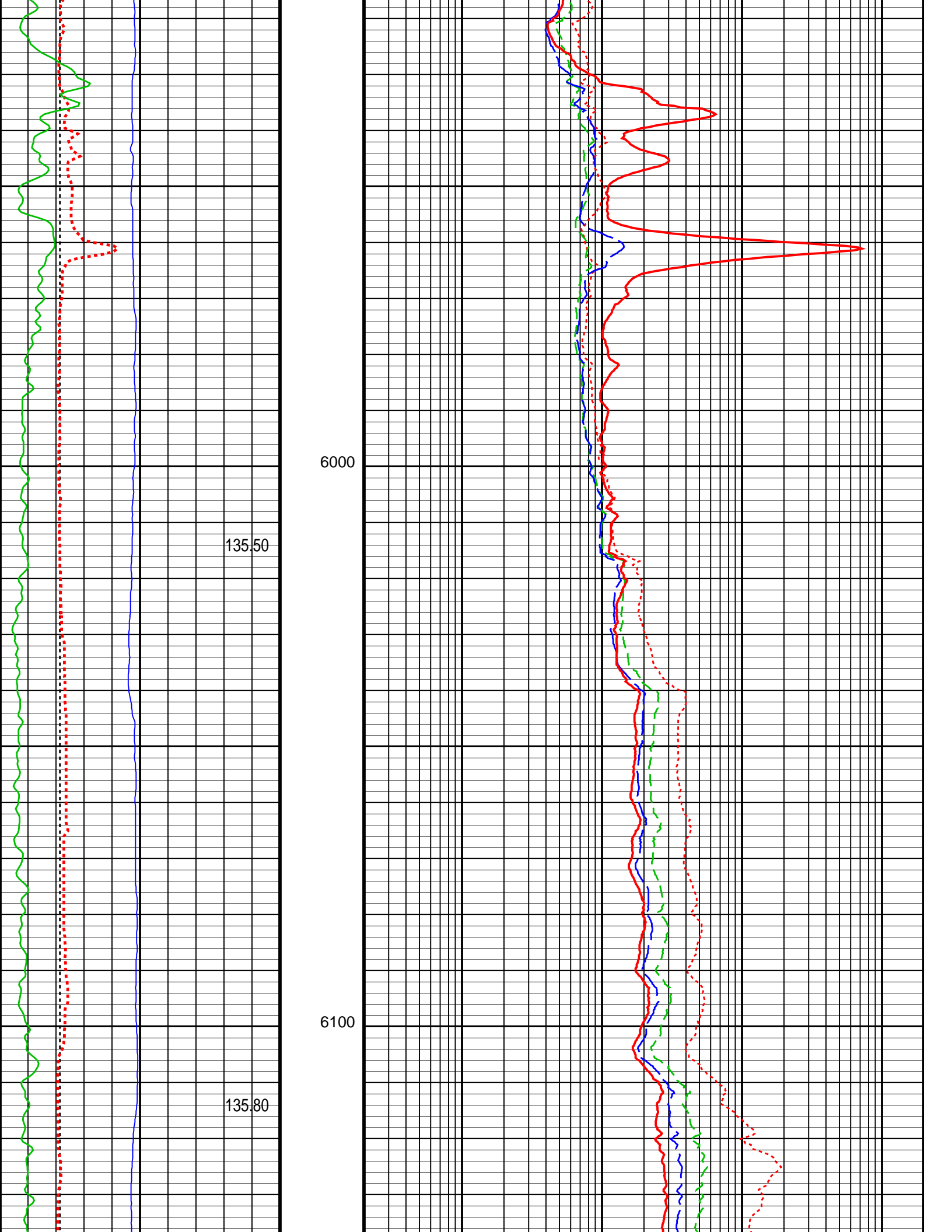
TBI 30 Inch Investigation (TBIT30)  
(OHMM) 0.2 2000

TBI 20 Inch Investigation (TBIT20)  
(OHMM) 0.2 2000

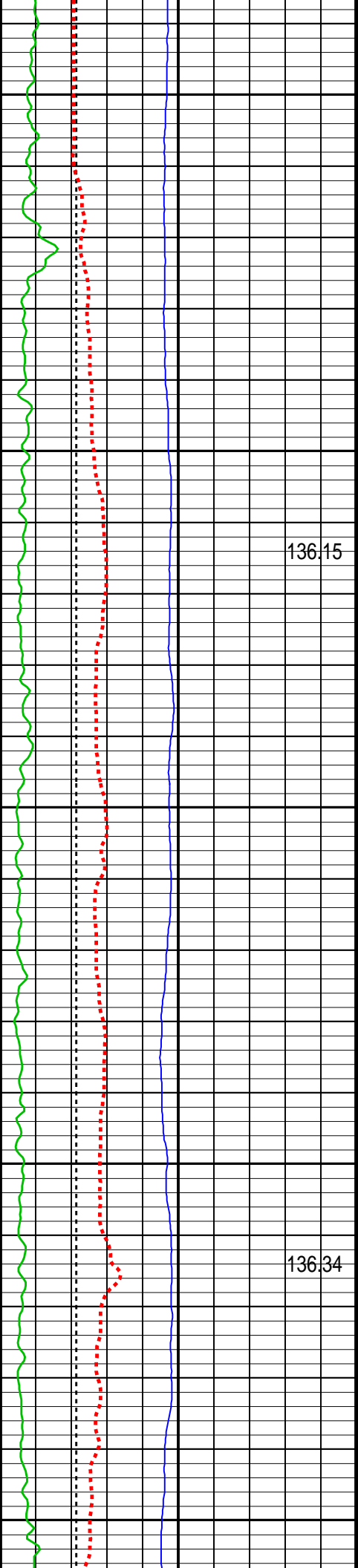






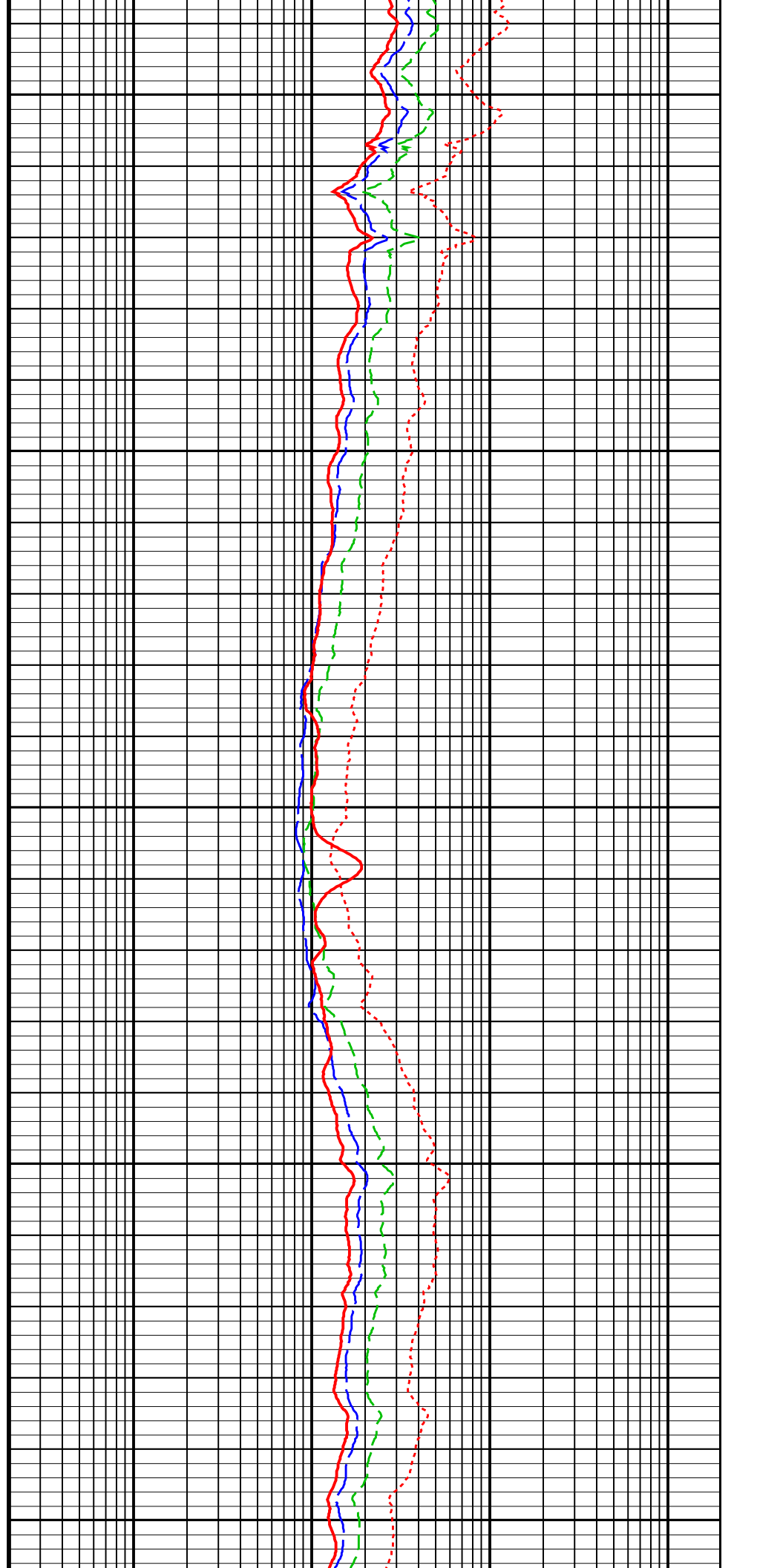


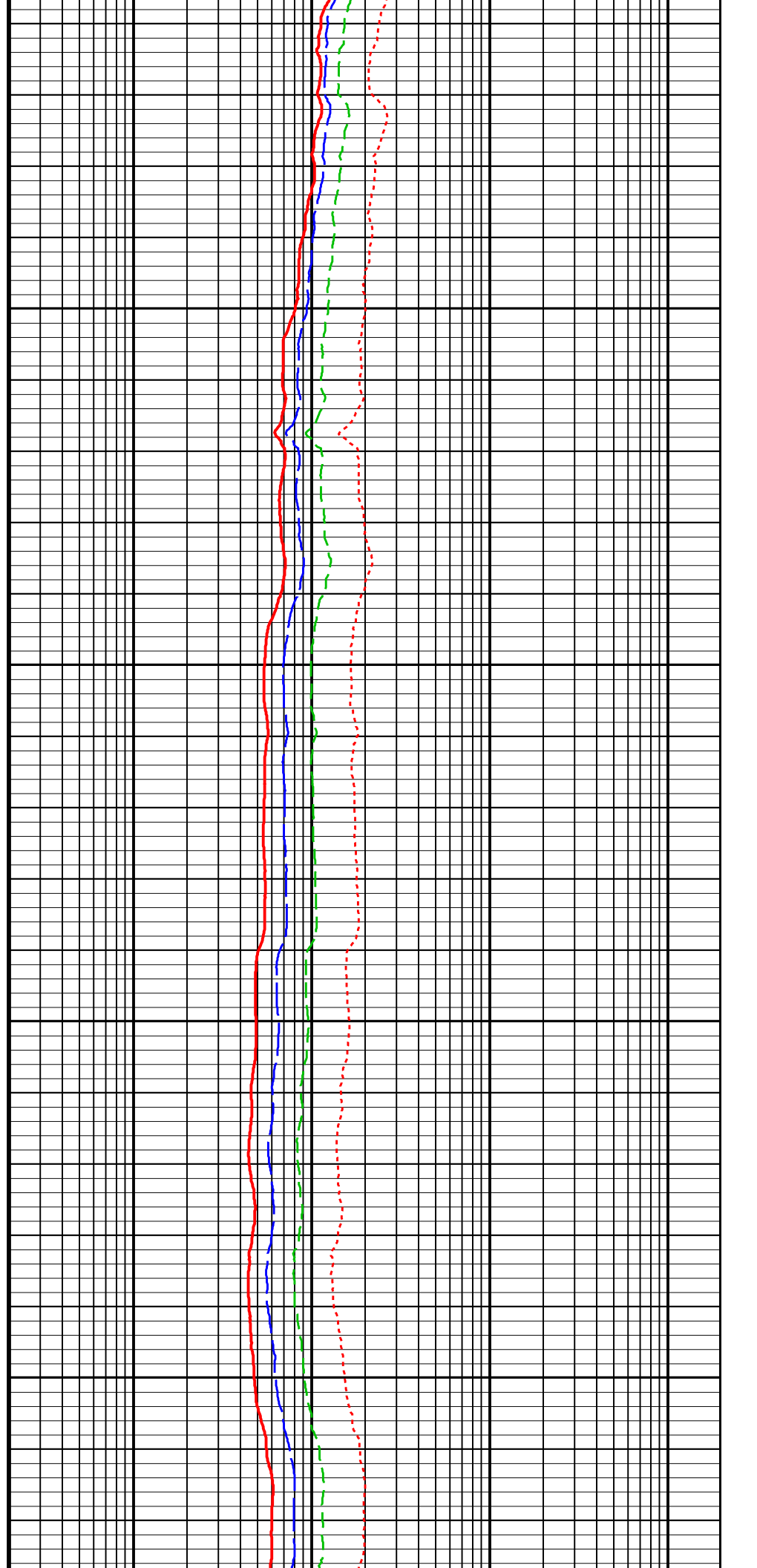
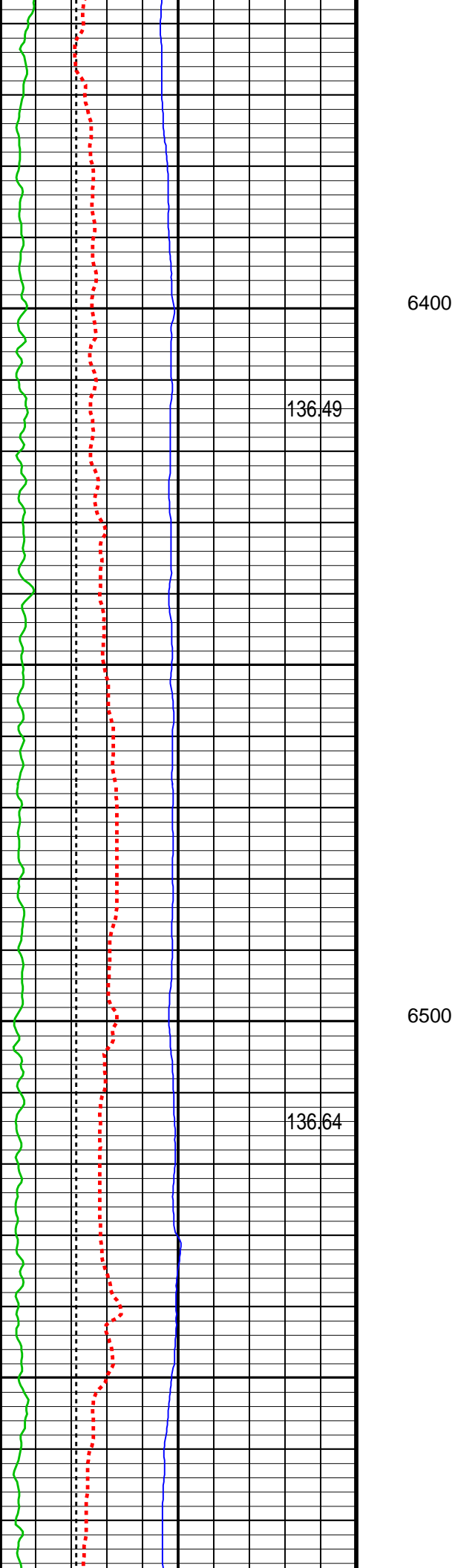


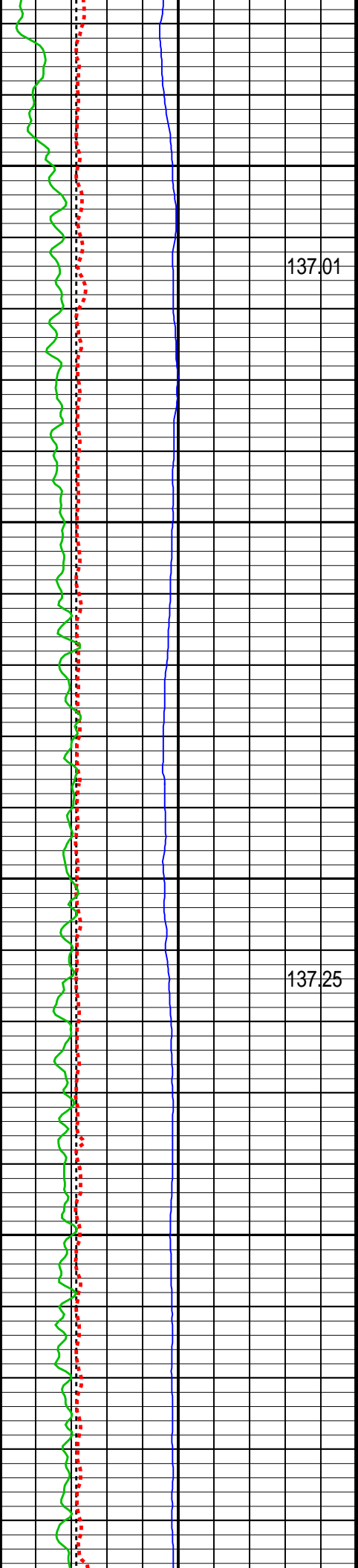


6200

6300





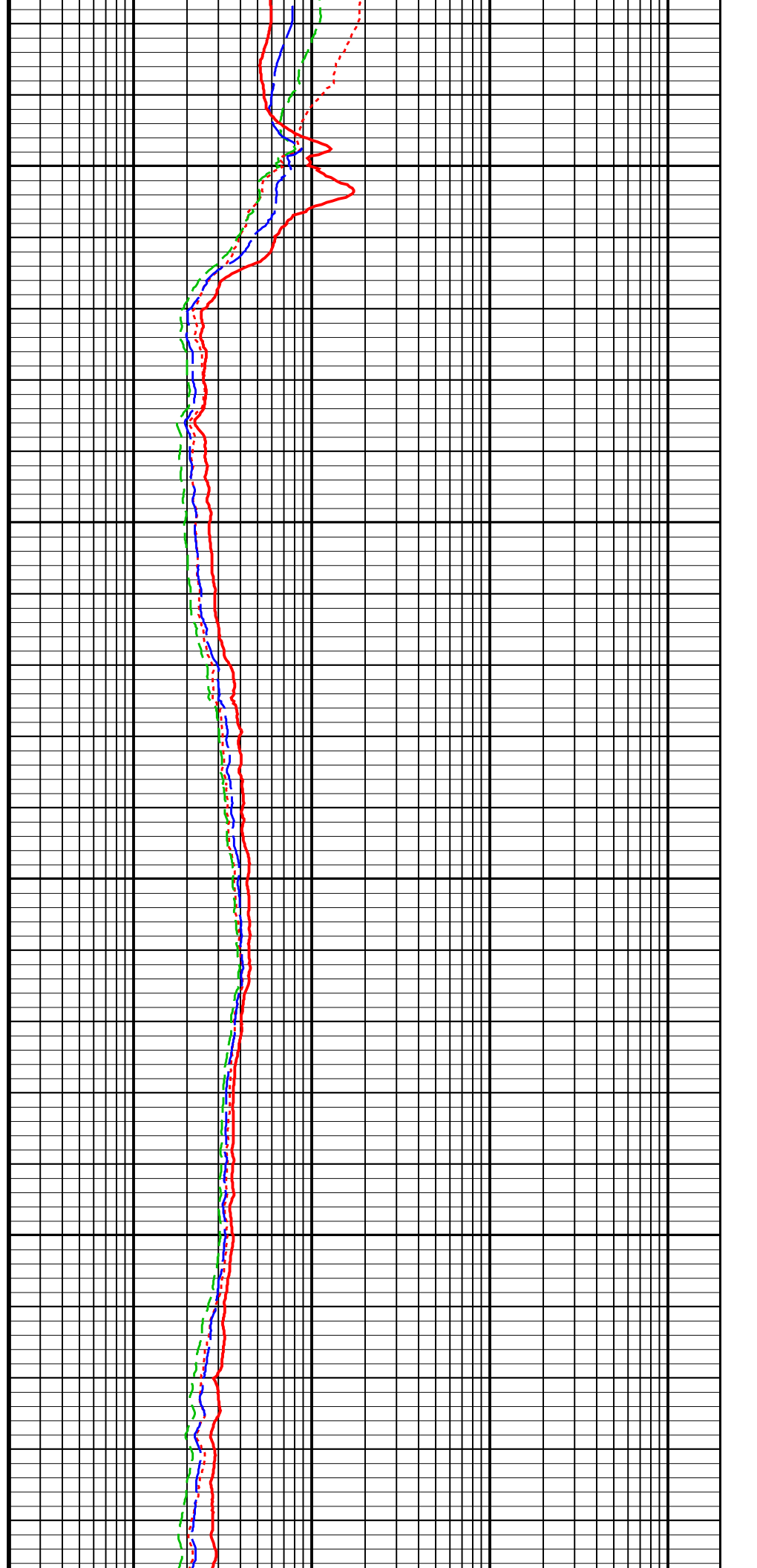


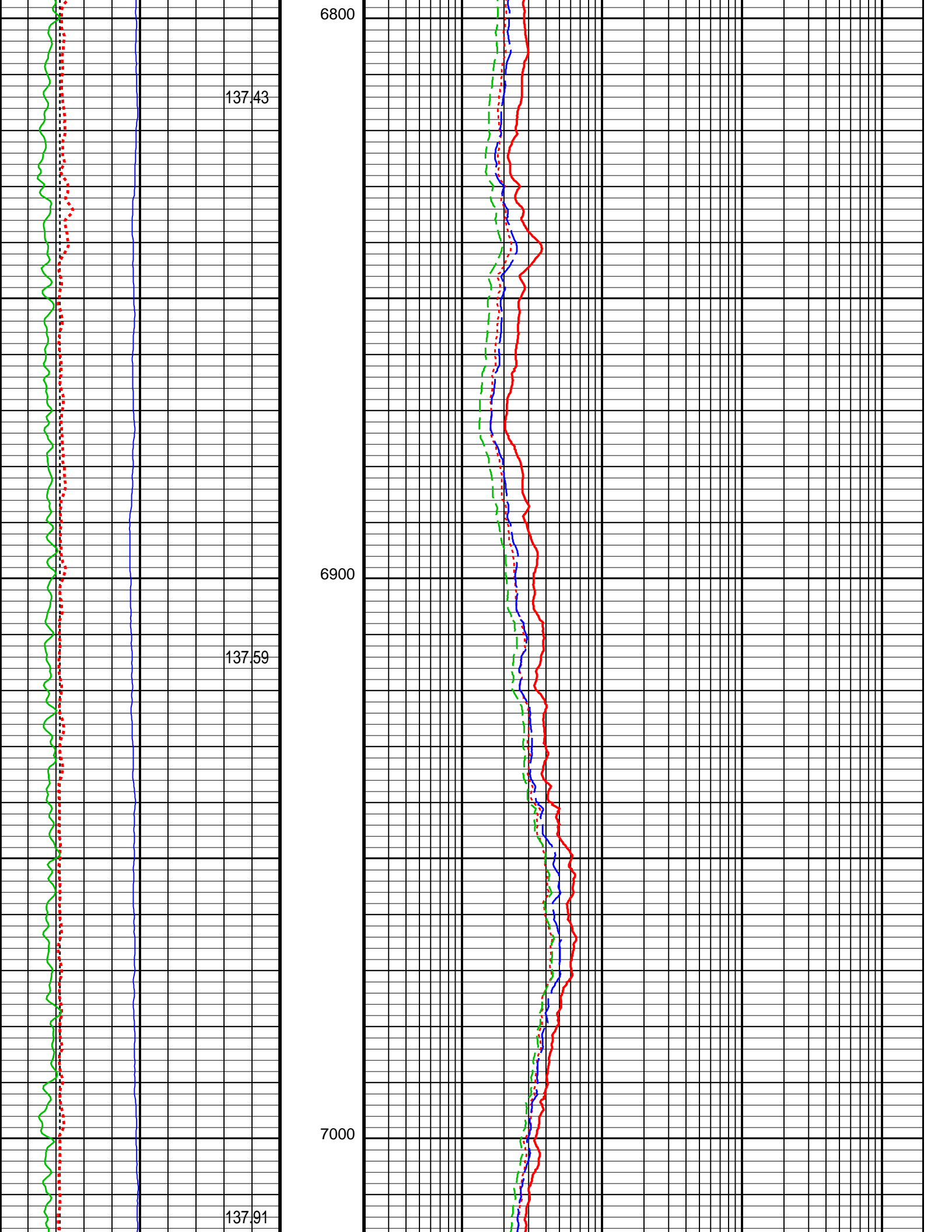
6600

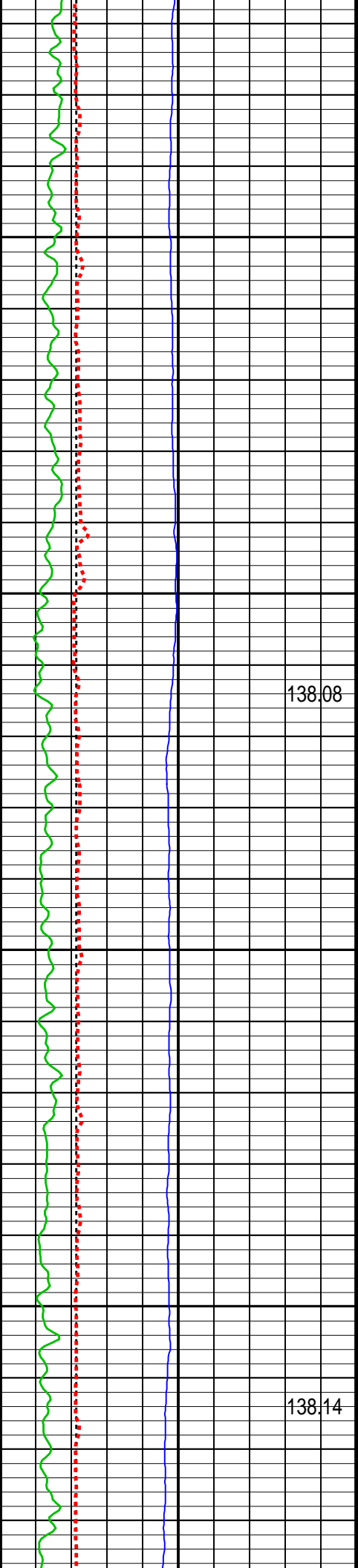
137.01

6700

137.25

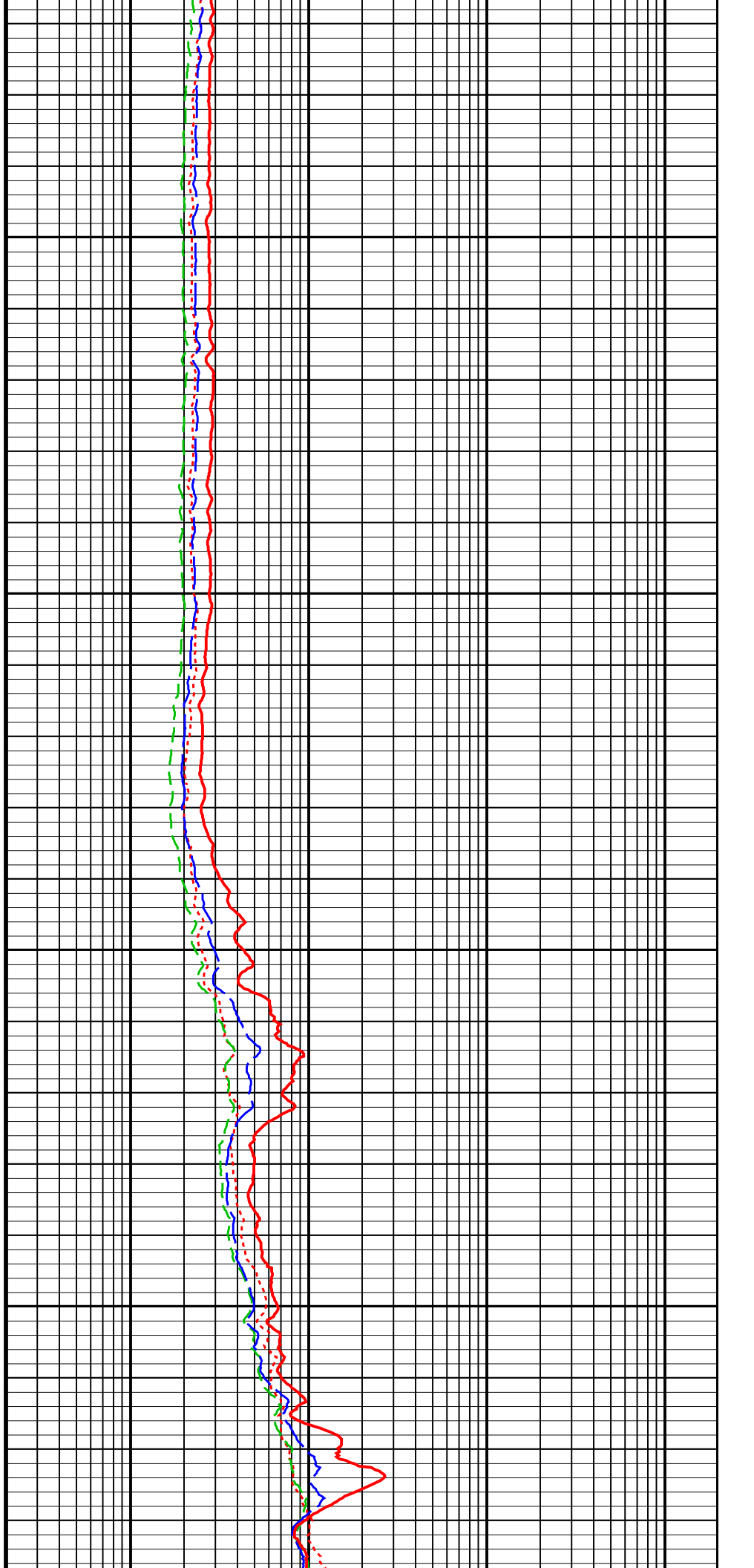


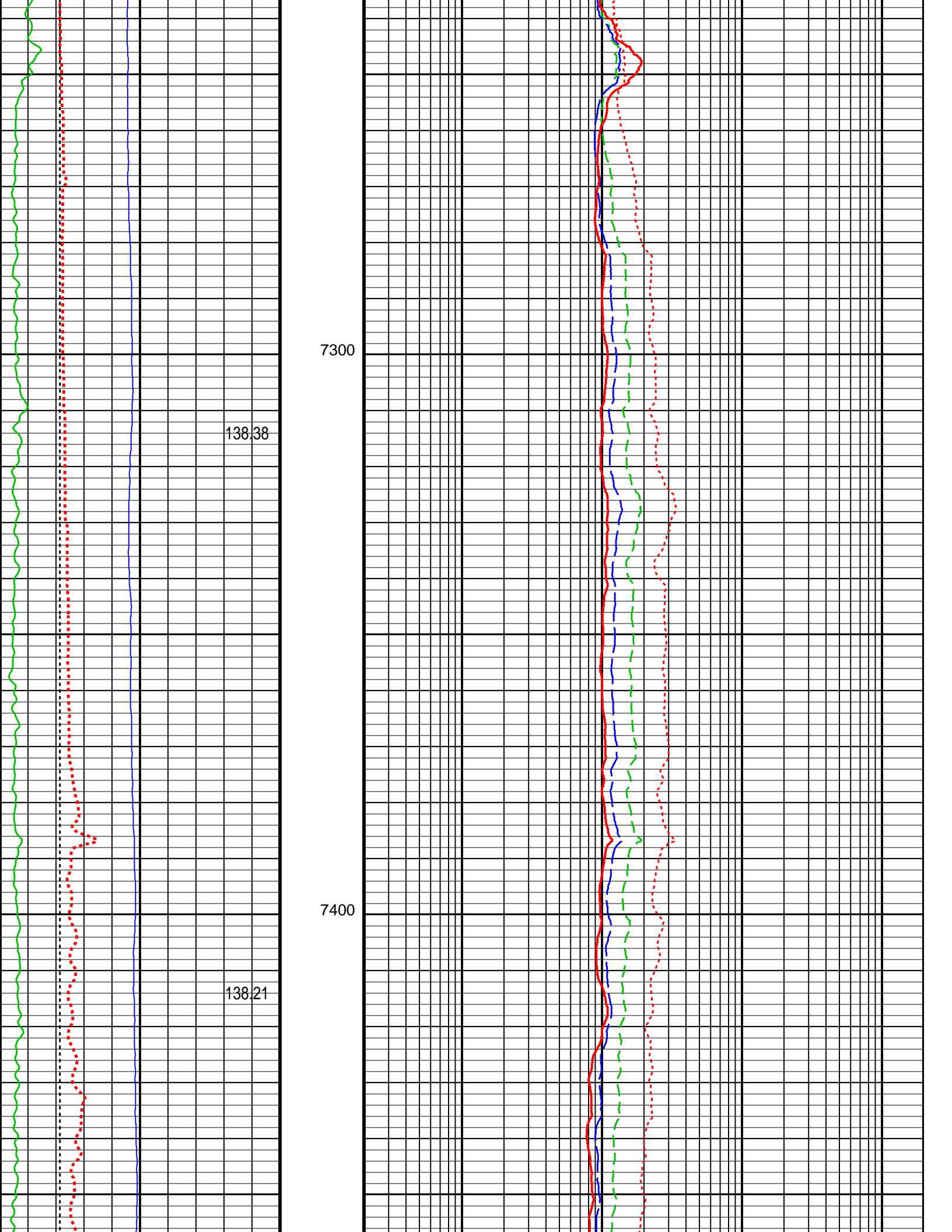




7100

7200



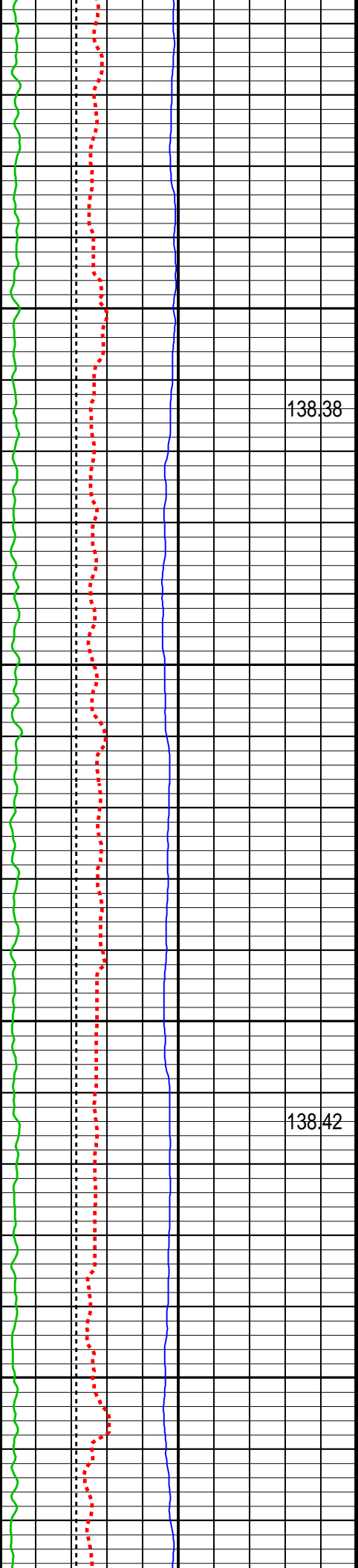


138.38

138.21

7300

7400

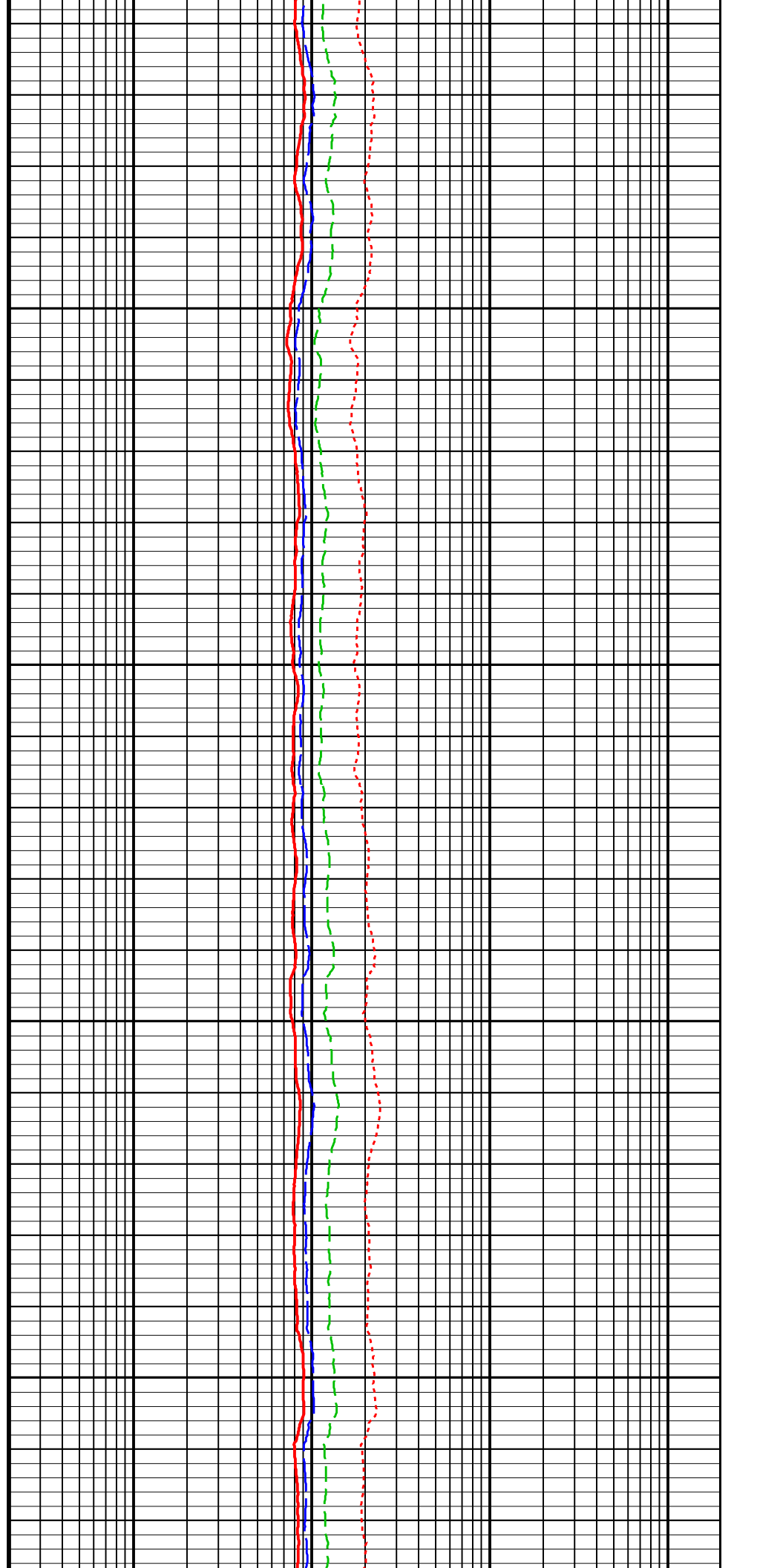


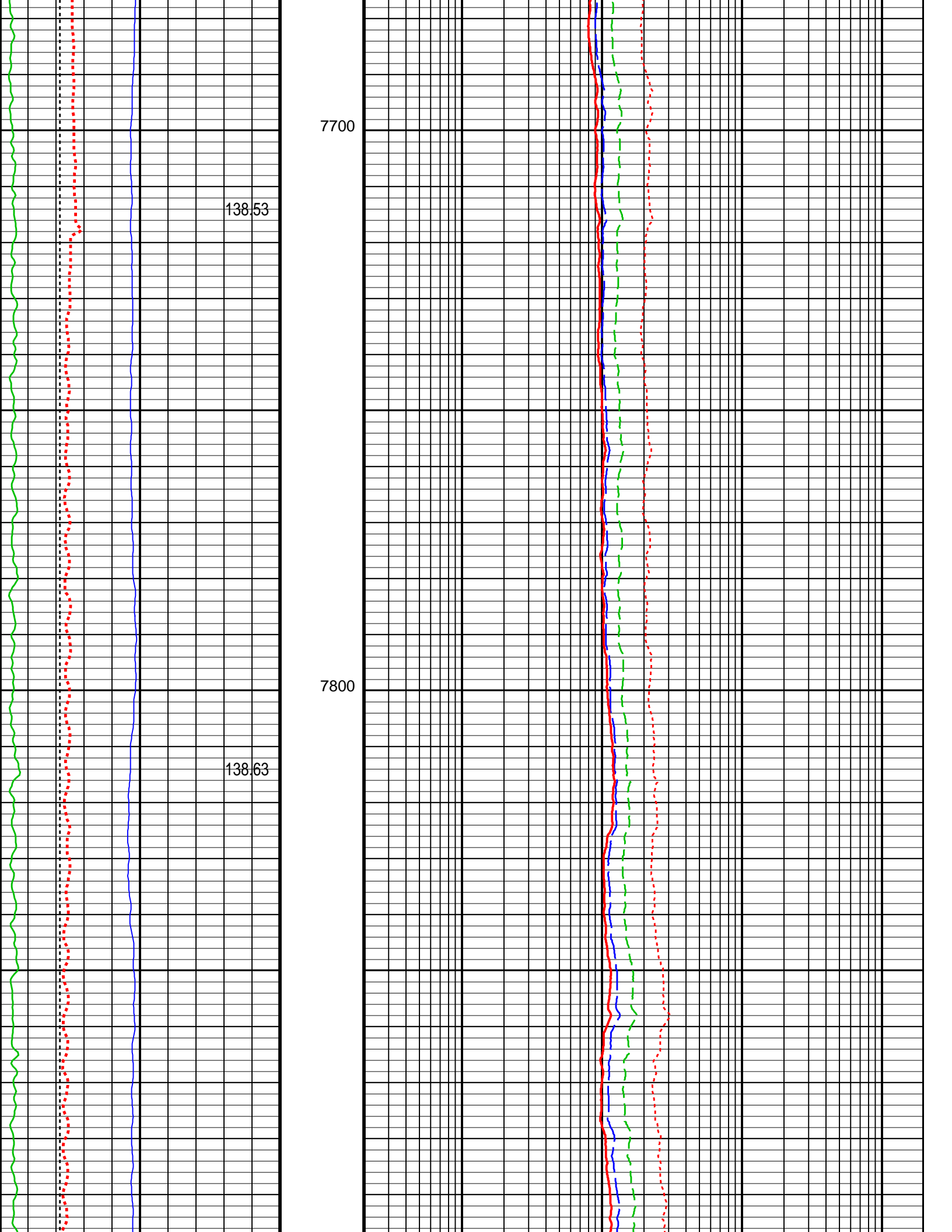
7500

138.38

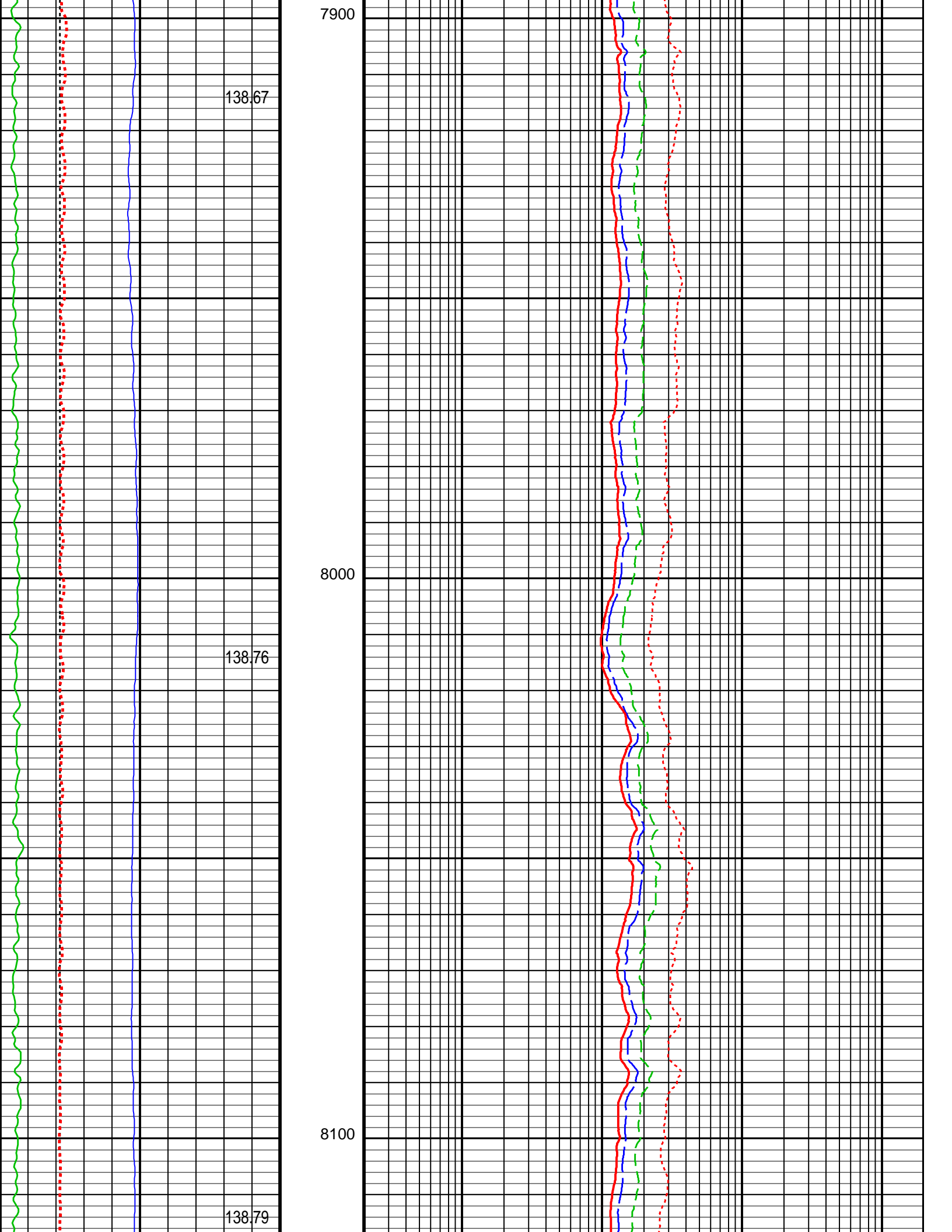
7600

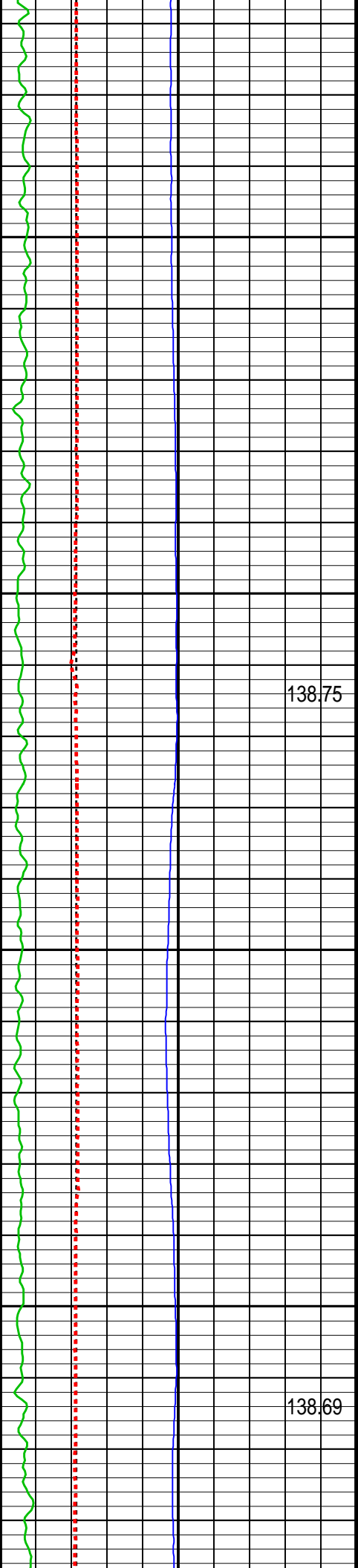
138.42









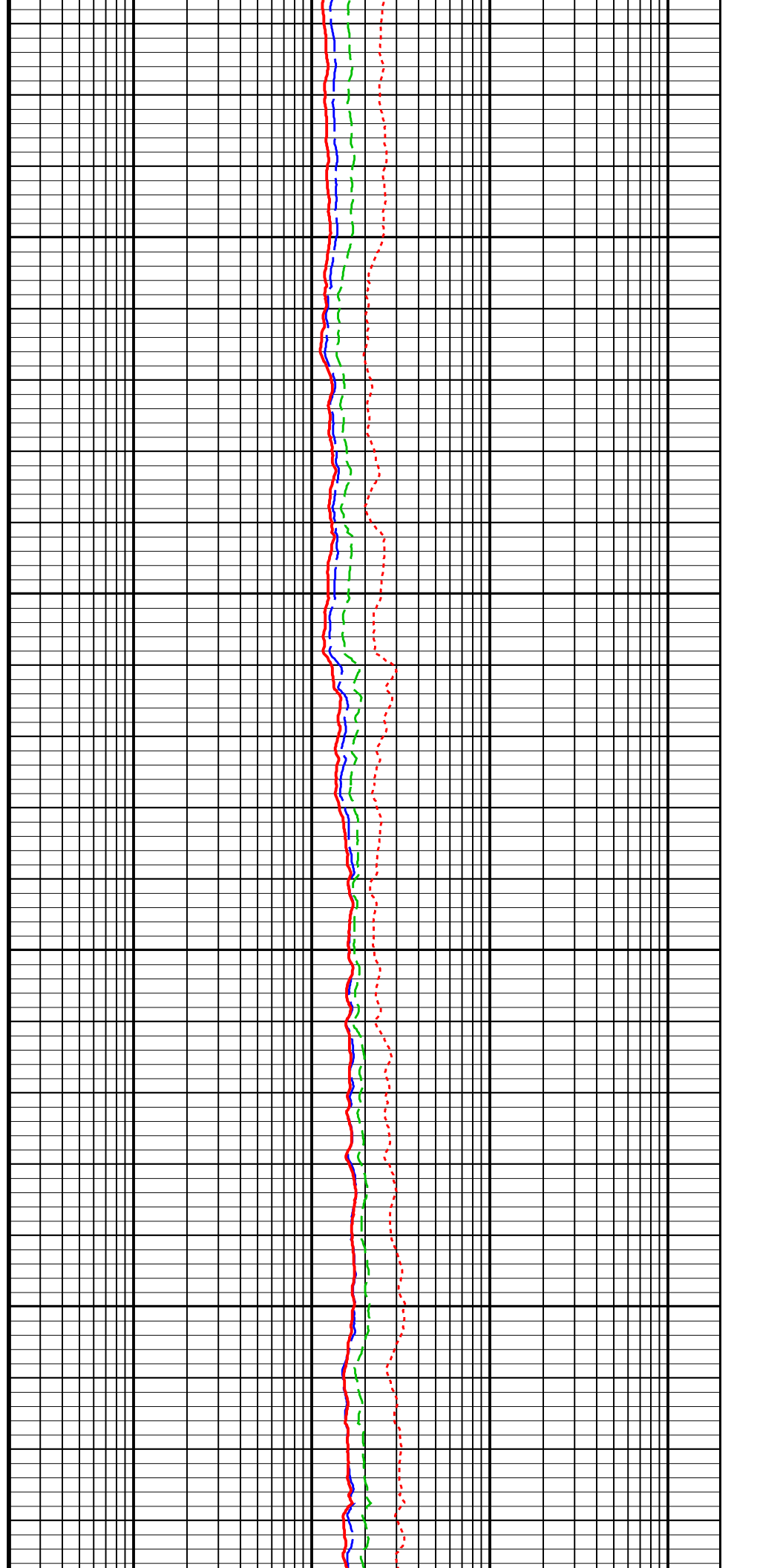


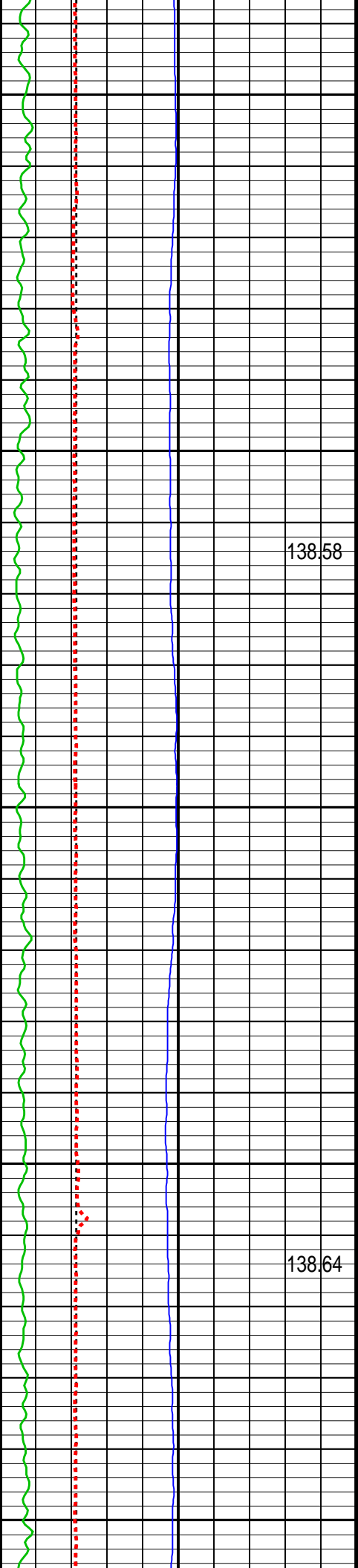
8200

138.75

8300

138.69



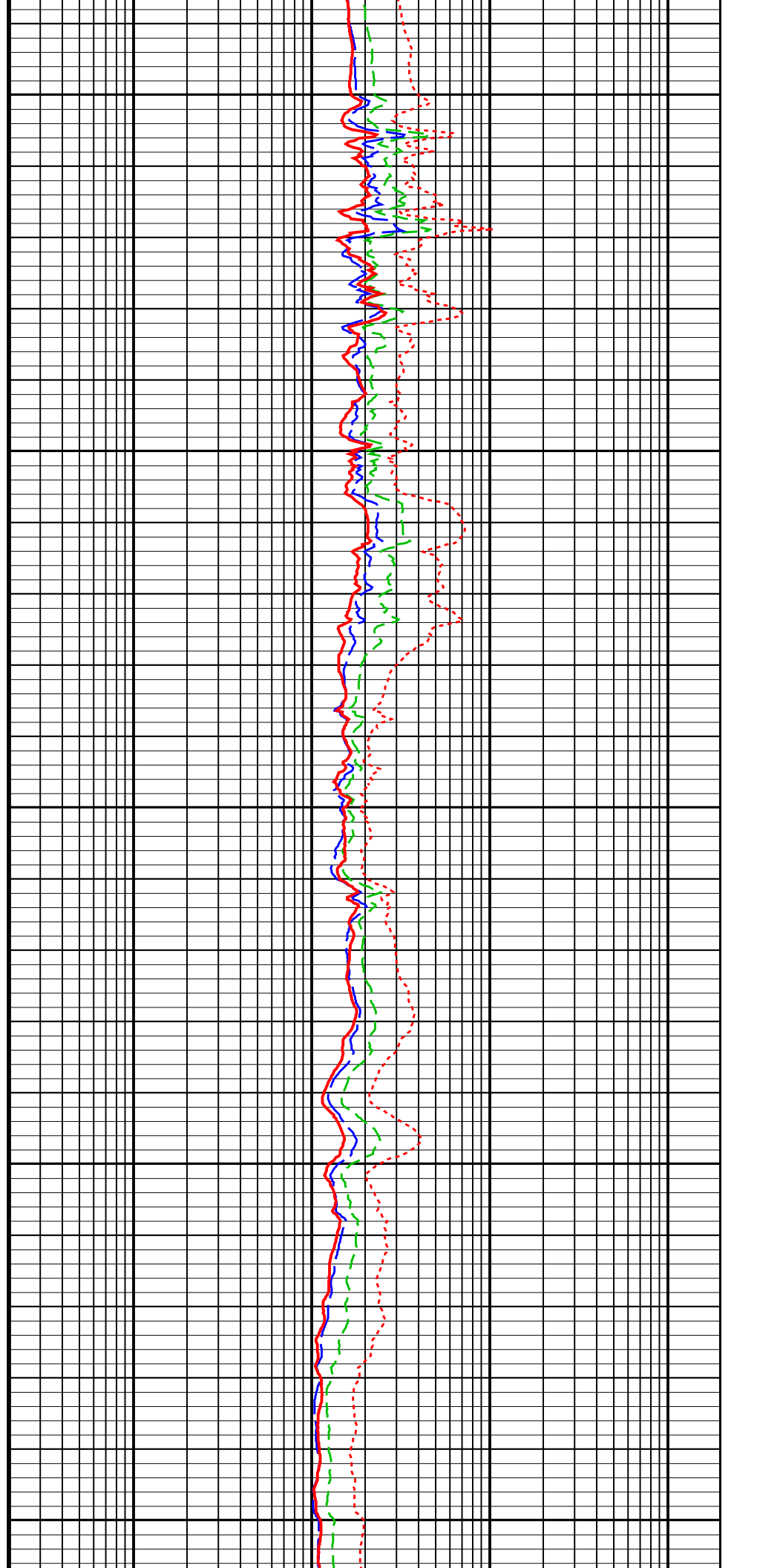


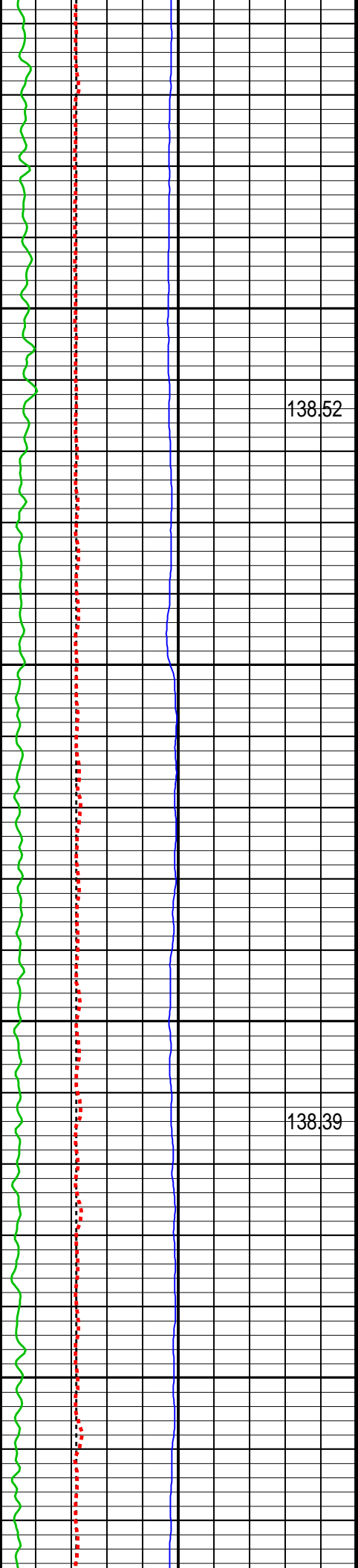
138.58

138.64

8400

8500



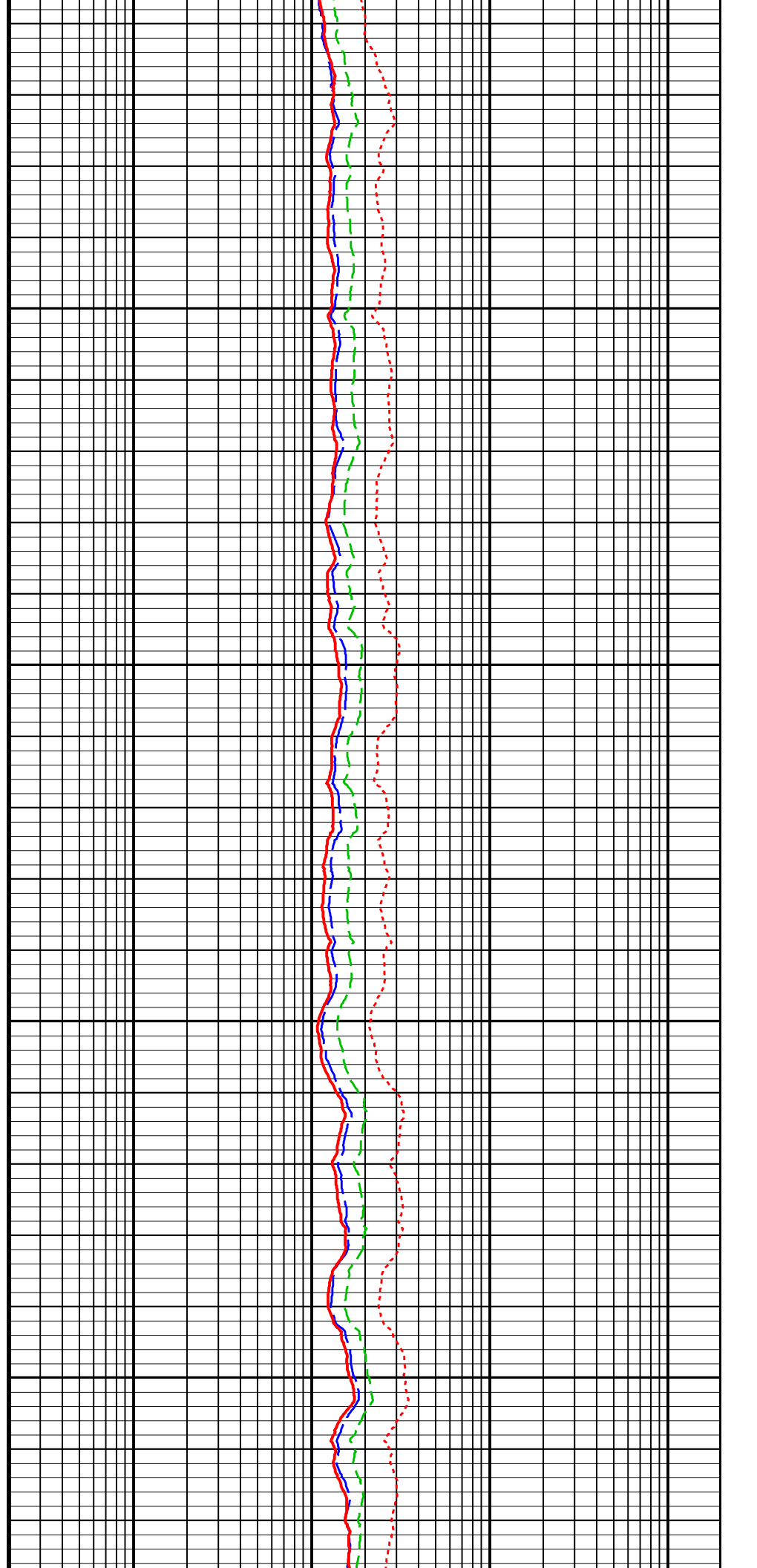


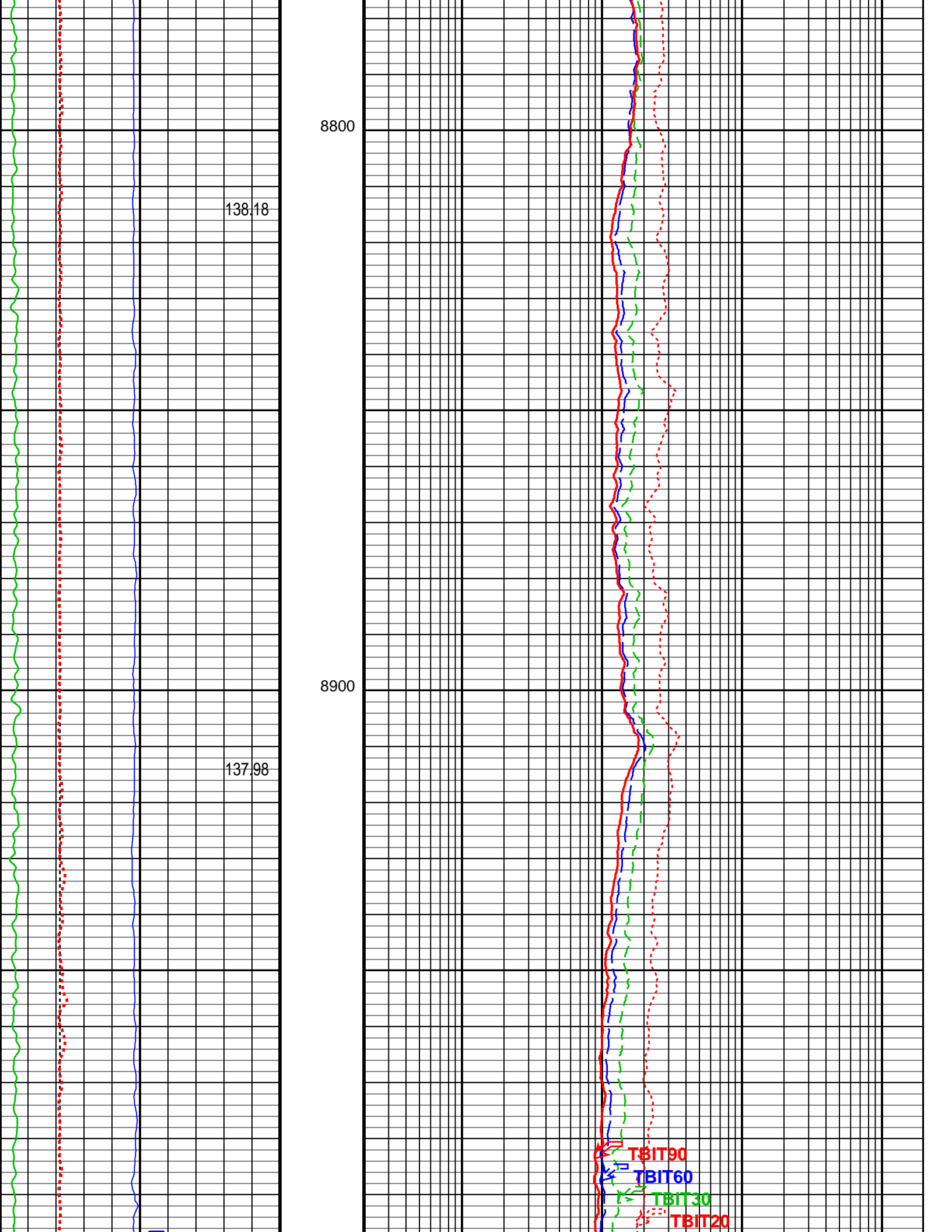
138.52

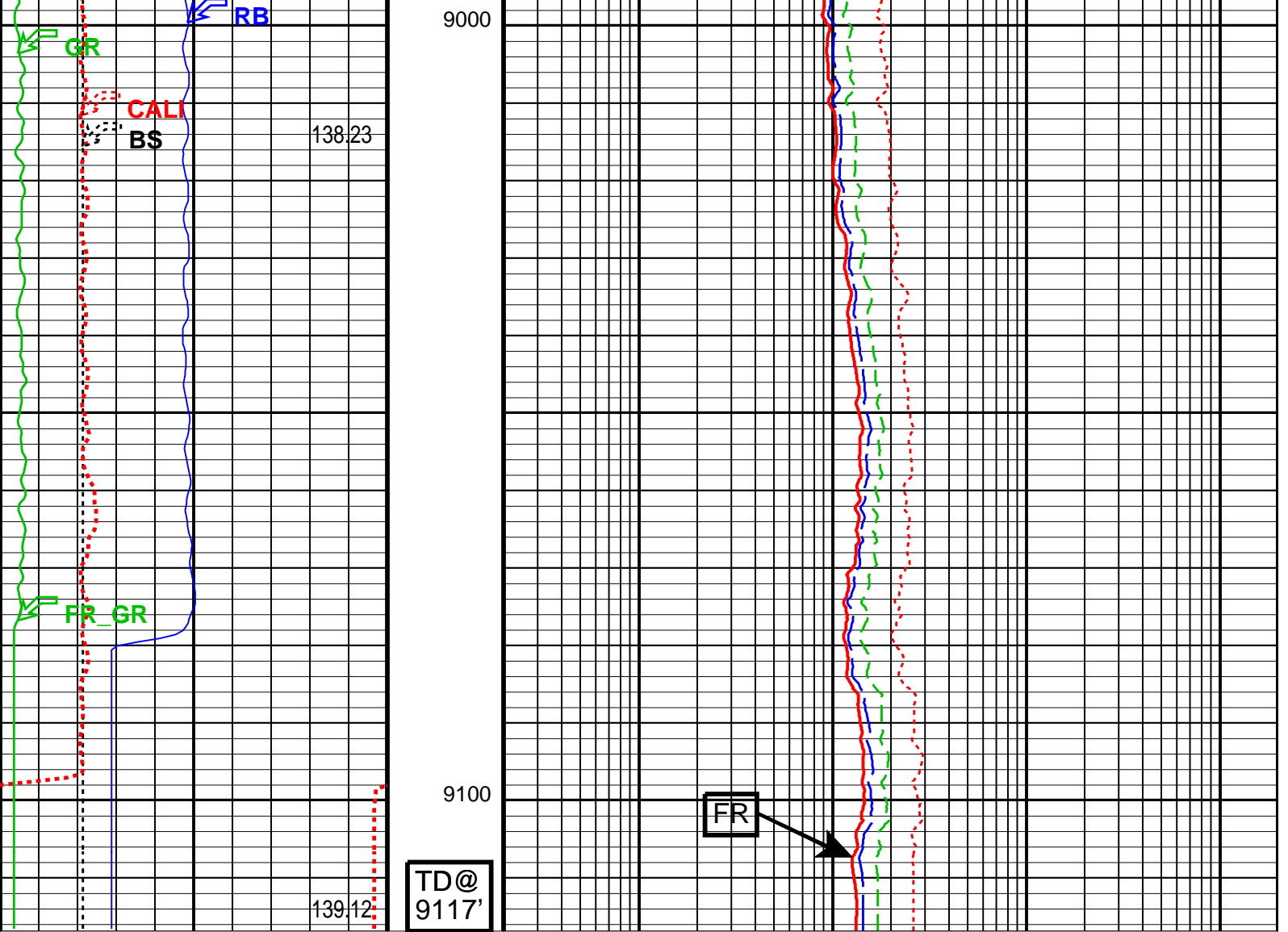
138.39

8600

8700







Relative Bearing (RB) (DEG)	0	360
Bit Size (BS) (IN)	4	14
Gamma Ray (GR) (GAPI)	0	150
Caliper (CALI) (IN)	4	14
GR TEMP (WTEP) (DEGE)		

TBI 20 Inch Investigation (TBIT20) (OHMM)	0.2	2000
TBI 30 Inch Investigation (TBIT30) (OHMM)	0.2	2000
TBI 60 Inch Investigation (TBIT60) (OHMM)	0.2	2000
TBI 90 Inch Investigation (TBIT90) (OHMM)	0.2	2000

**TD@  
9117'**

**FR**

### Parameters

DLIS Name	Description	Value
TBT-A: ThruBit String		
MT	Mud Type (for TBN and TBI correction)	WBM
RB_OFFSET	Additional RB offset (degrees)	0.000 deg
TBI_ALGO	TBI Algorithm Selection	AIT
TBI_BHC_OP	Borehole Correction Option (for TBI)	CALIPER
TBI_CALTYP	TBI Mastercal Type	THRUBIT
TBI_REPL_ARRAY_DEST	TBI: Replace This Array	NONE
TBI_REPL_ARRAY_SOURCE	TBI: With This Array	NONE
TBI_TC_OP	Induction Temperature Correction Option	LOWER
DIR: Directional Survey Computation		
SPVD	TVD of Starting Point	0.000 ft
TIMD	Along-hole depth of Tie-in Point	0.000 ft
TIVD	TVD of Tie-in Point	0.000 ft
System and Miscellaneous		
BS	Bit Size	6.125 in

# OP System Version: 19C2-270

TBT SRPC-5292-ThruBit\_RevA

## Input DLIS Files

DEFAULT ThruBit\_016PUP FN:15 PRODUCER 06-Apr-2014 13:12 9117.0 FT 2744.5 FT



## CALIBRATIONS

### MAXIS Field Log

#### ThruBit String / Equipment Identification

**Primary Equipment:**

Induction Resistivity	TBI - A	24
Density	TBD - A	46
Gamma-Ray Logging Source	GGLS - FZ	
Thermal Neutron	TBN - A	25
Neutron Logging Source	NNLS - EWA	
Telemetry Memory GR	TMG - A	49
Battery	TBAT -	40
Battery	TBAT -	7

**Auxiliary Equipment:**

ThruBit String Master Calibration					
TBI Master Calibration Sonde Errors					
Freq 1, A1, R	Value	Nominal	Freq 1, A1, X	Value	Nominal
	-468.140	-457.000		634.127	300.000
-536.000 (Minimum)	-387.000 (Maximum)		-500.000 (Minimum)	1100.00 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A2, R	Value	Nominal	Freq 1, A2, X	Value	Nominal
	-136.340	-141.000		530.899	320.000
-162.000 (Minimum)	-120.000 (Maximum)		-75.0000 (Minimum)	700.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A3, R	Value	Nominal	Freq 1, A3, X	Value	Nominal
	-32.8075	-28.0000		-45.0742	50.0000
-38.0000 (Minimum)	-18.0000 (Maximum)		-375.000 (Minimum)	475.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A4, R	Value	Nominal	Freq 1, A4, X	Value	Nominal
	-17.2086	-16.0000		246.795	300.000
-24.0000 (Minimum)	-8.00000 (Maximum)		25.0000 (Minimum)	575.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A5, R	Value	Nominal	Freq 1, A5, X	Value	Nominal
	-13.9751	-14.0000		110.726	150.000
-21.0000 (Minimum)	-7.00000 (Maximum)		25.0000 (Minimum)	275.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 2, A1, R	Value	Nominal	Freq 2, A1, X	Value	Nominal
	-246.744	-237.000		391.978	150.000
-293.000 (Minimum)	-186.000 (Maximum)		-375.000 (Minimum)	675.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 2, A2, R	Value	Nominal	Freq 2, A2, X	Value	Nominal
	-87.9339	-92.0000		322.410	160.000

-106.000 (Minimum)	(Nominal)	-76.0000 (Maximum)		-100.000 (Minimum)	(Nominal)	425.000 (Maximum)	
Freq 2, A3, R			Value	Nominal	Freq 2, A3, X		Value
			-23.8202	-21.0000			-20.0000
-28.0000 (Minimum)	(Nominal)	-13.0000 (Maximum)		-325.000 (Minimum)	(Nominal)	250.000 (Maximum)	
Freq 2, A4, R			Value	Nominal	Freq 2, A4, X		Value
			-19.7745	-20.0000			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
			-18.6890	-20.0000			-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
			-156.701	-149.000			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
			-67.2042	-70.0000			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
			-19.2283	-17.0000			-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
			-21.2640	-22.0000			-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
			-21.0492	-22.0000			-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
			-85.6738	-80.0000			-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
			-48.5418	-50.0000			-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
			-14.5641	-14.0000			-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
			-23.3880	-25.0000			-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
			-25.7837	-28.0000			-300.000
-43.0000 (Minimum)	(Nominal)	-12.0000 (Maximum)		-475.000 (Minimum)	(Nominal)	-125.000 (Maximum)	

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ThruBit String Master Calibration					
TBI Master Calibration COMPLEX GAINS					
Freq 1, R	Value	Nominal	Freq 1, X	Value	Nominal
	0.9980	1.000		-0.003990	0
	0.9969	1.000		0.002182	0
	0.9942	1.000		-0.005518	0
	0.9889	1.000		0.005109	0



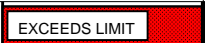
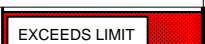





0.9500 (Minimum)		1.050 (Maximum)		-0.05000 (Minimum)		0.05000 (Maximum)	
Freq 2, R		Value	Nominal	Freq 2, X		Value	Nominal
		0.9932	1.000			-0.01278	0
		0.9911	1.000			-0.007543	0
		0.9827	1.000			-0.007843	0
		0.9846	1.000			-0.004849	0
		0.9992	1.000			-0.01023	0
0.9500 (Minimum)		1.050 (Maximum)		-0.05000 (Minimum)		0.05000 (Maximum)	
Freq 3, R		Value	Nominal	Freq 3, X		Value	Nominal
		1.005	1.000			-0.002196	0
		1.003	1.000			0.002052	0
		0.9940	1.000			0.001586	0
		0.9953	1.000			0.004697	0
		1.013	1.000			-0.0009248	0
0.9500 (Minimum)		1.050 (Maximum)		-0.05000 (Minimum)		0.05000 (Maximum)	
Freq 4, R		Value	Nominal	Freq 4, X		Value	Nominal
		1.004	1.000			-0.002239	0
		1.001	1.000			0.001124	0
		0.9944	1.000			-0.001514	0
		0.9957	1.000			0.003619	0
		1.024	1.000			-0.006227	0
0.9300 (Minimum)		1.070 (Maximum)		-0.05000 (Minimum)		0.05000 (Maximum)	

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







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
	1861.5	1949.8		2027.4	2096.7		2191.4	2285.7
1799.8 (Minimum)	2099.8 (Maximum)		1946.7 (Minimum)	2246.7 (Maximum)		2135.7 (Minimum)	2435.7 (Maximum)	

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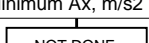
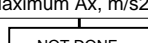
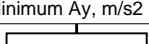
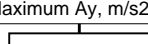
ThruBit String Master Calibration						
TBD Density Master Calibration. PEEK Window, ThruBit blocks						
Aluminium Density G/C3	Value	Nominal	Magnesium Density G/C3	Value	Nominal	
	2.607	2.607		1.752	1.752	
2.557 (Minimum)	2.657 (Maximum)		1.702 (Minimum)	1.802 (Maximum)		
LS1 Background CPS	Value	Nominal	SS1 Background CPS	Value	Nominal	
	137.04	150.00		132.58	150.00	
130.00 (Minimum)	170.00 (Maximum)		130.00 (Minimum)	170.00 (Maximum)		
LS4 Background CPS	Value	Nominal	SS1 Aluminium CPS	Value	Nominal	
	27.81	31.00		5032.87	4900.00	
27.00 (Minimum)	35.00 (Maximum)		4500.00 (Minimum)	5500.00 (Maximum)		
LS1 Aluminium CPS	Value	Nominal	SS1 Magnesium CPS	Value	Nominal	
	926.76	850.00		8323.40	8000.00	
750.00 (Minimum)	950.00 (Maximum)		7000.00 (Minimum)	9000.00 (Maximum)		
LS4 Aluminium CPS	Value	Nominal				
	1052.1	955.00				
843.00 (Minimum)	1068.0 (Maximum)					

LS1 Al + Sleeve CPS		Value	Nominal
		828.99	725.00
650.00 (Minimum)	800.00 (Nominal)		
LS4 Al + Sleeve CPS		Value	Nominal
		517.15	426.50
382.00 (Minimum)	471.00 (Nominal)		
LS1 Magnesium CPS		Value	Nominal
		6151.78	5750.00
5250.00 (Minimum)	6250.00 (Nominal)		
SS Slope		Value	Nominal
		1.645	1.645
1.520 (Minimum)	1.770 (Nominal)		
LS Slope		Value	Nominal
		0.4180	0.4150
0.3800 (Minimum)	0.4500 (Nominal)		
Pef K Factor		Value	Nominal
		4.767	4.840
3.510 (Minimum)	6.170 (Nominal)		
Pef B Factor		Value	Nominal
		-0.6486	-0.5550
-0.7000 (Minimum)	-0.4100 (Nominal)		

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ThruBit String Master Calibration					
Thermal Neutron Master Calibration					
TNF, Background CPS	Value	Nominal	TNN, Background CPS	Value	Nominal
	0	1.0		0.017	1.0
0 (Minimum)			0 (Minimum)		
	2.0 (Nominal)			2.0 (Nominal)	
TNF, Tank CPS	Value	Nominal	TNN, Tank CPS	Value	Nominal
	70.84	96.00		2086.8	2860.0
25.00 (Minimum)			750.00 (Minimum)		
	200.0 (Nominal)			5700.0 (Nominal)	
TNF, Tank + Al Sleeve CPS	Value	Nominal	TNN, Tank + Al Sleeve CPS	Value	Nominal
	2264.5	3040.0		23713.7	32350.0
727.00 (Minimum)			8000.00 (Minimum)		
	6080.0 (Nominal)			64700.0 (Nominal)	
Tank + Al Sleeve Ratio	Value	Nominal	Tank + Al Sleeve Porosity PU	Value	Nominal
	11.004	10.797		14.46	14.40
10.300 (Minimum)			13.40 (Minimum)		
	11.300 (Nominal)			15.40 (Nominal)	
Tank, Ratio	Value	Nominal	Tank, Temperature DEGF	Value	Nominal
	29.459	30.958		56.8	70.0
28.000 (Minimum)			20.0 (Minimum)		
	34.000 (Nominal)			120 (Nominal)	

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

Minimum AZ, m/SZ	Value	Nominal	Maximum AZ, m/SZ	Value	Nominal
NOT DONE	N/A	0	NOT DONE	N/A	9.810
-1.000 (Minimum)	(Nominal)	1.000 (Maximum)	8.810 (Minimum)	(Nominal)	10.81 (Maximum)
RB Offset, degrees		Value	Nominal		
		-17.00	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
	32.71	30.00		164.1	170.8
0 (Minimum)	(Nominal)	120.0 (Maximum)	136.6 (Minimum)	(Nominal)	205.0 (Maximum)
Master: 26-Mar-2014 13:26					

Company: **SANDRIDGE ENERGY INC**

Well: **MYRA 3406 4-8H**  
 Field: **EASTHAM**  
 County: **HARPER**  
 State: **KANSAS**



ARRAY INDUCTION  
 GAMMA RAY  
 MEMORY LOG



**MAIN PASS (1"/100' SCALE)**

MAXIS Field Log

Company: SANDRIDGE ENERGY INC

Well: MYRA 3406 4-8H

**Input DLIS Files**

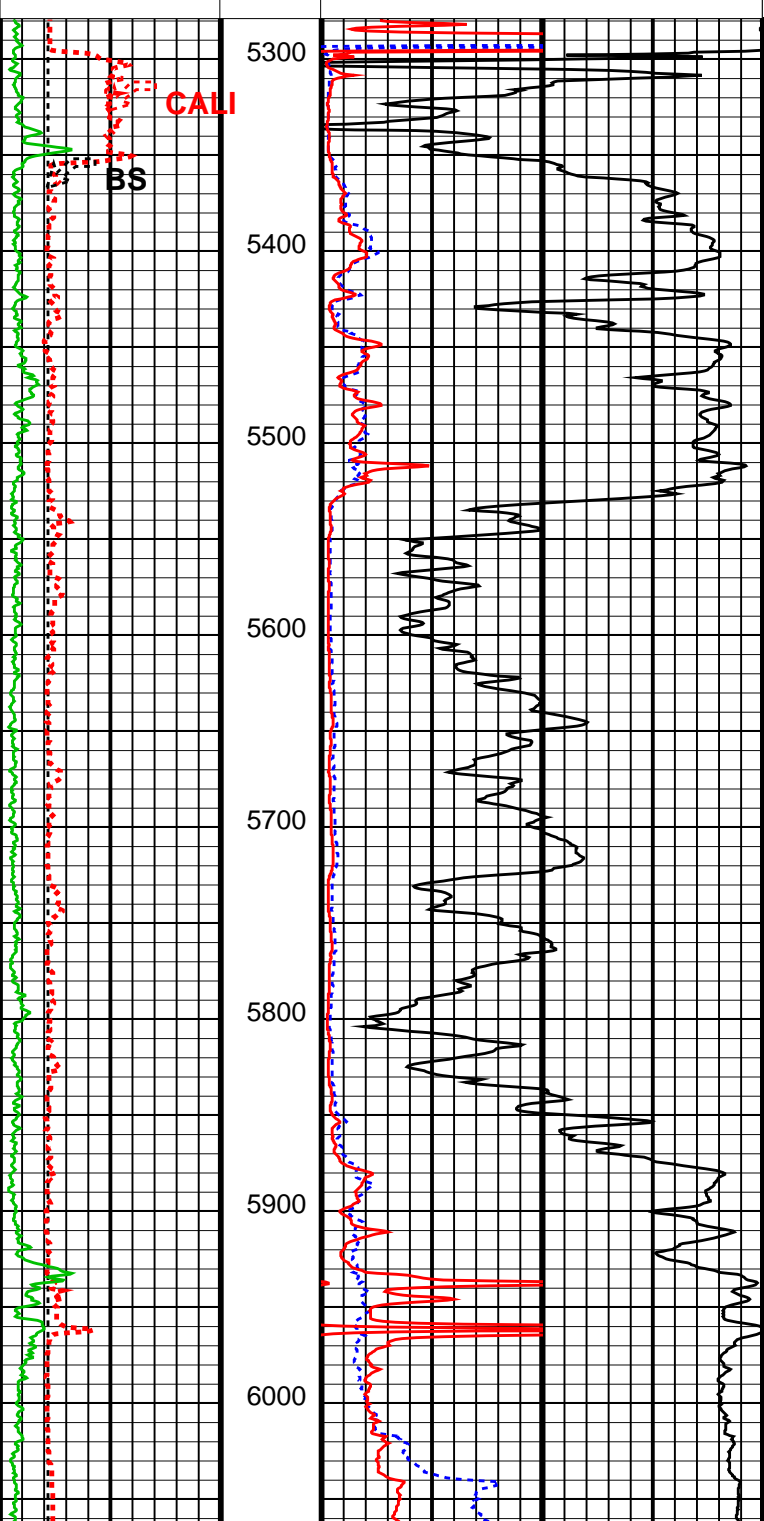
DEFAULT ThruBit\_016PUP FN:15 PRODUCER 06-Apr-2014 13:12 9117.0 FT 2744.5 FT

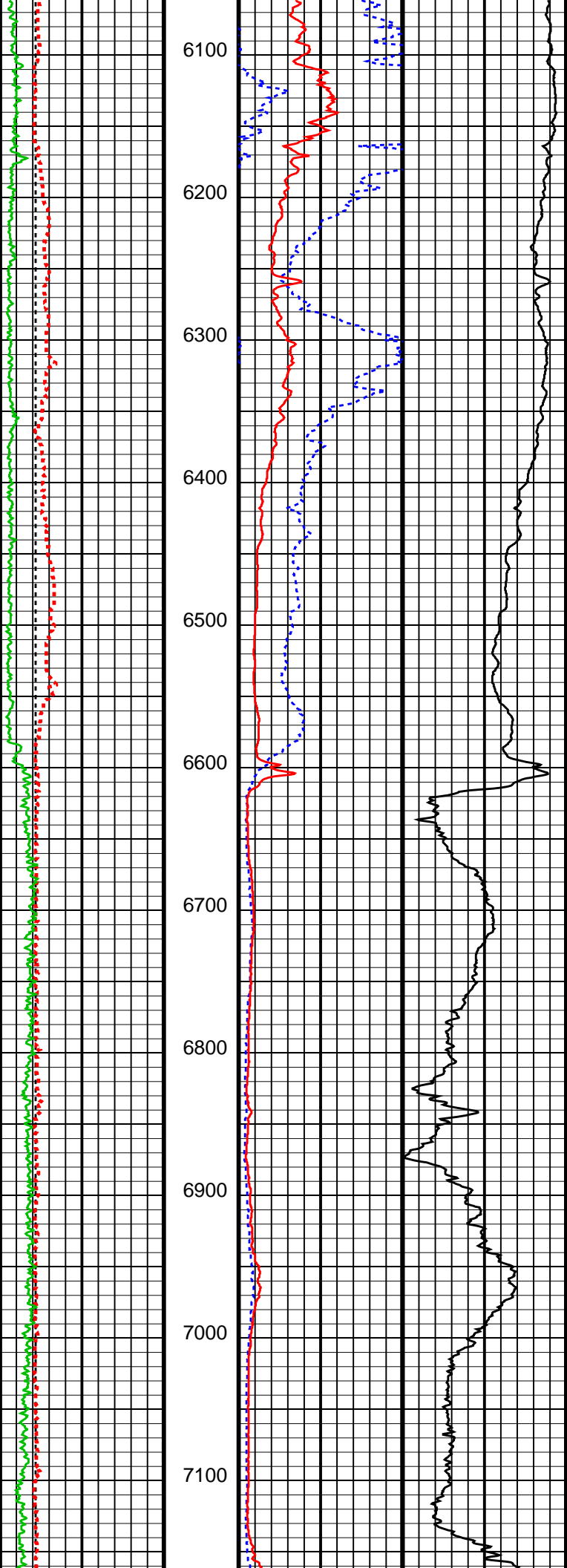
**OP System Version: 19C2-270**

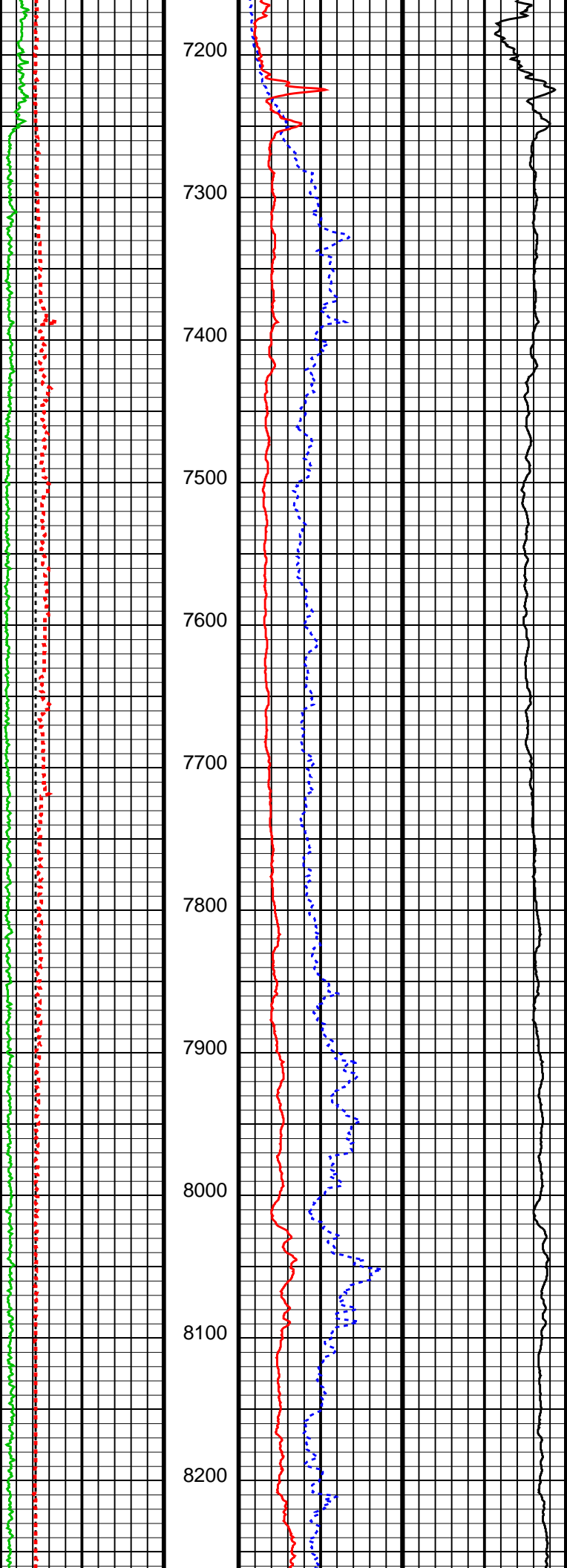
TBT SRPC-5292-ThruBit\_RevA

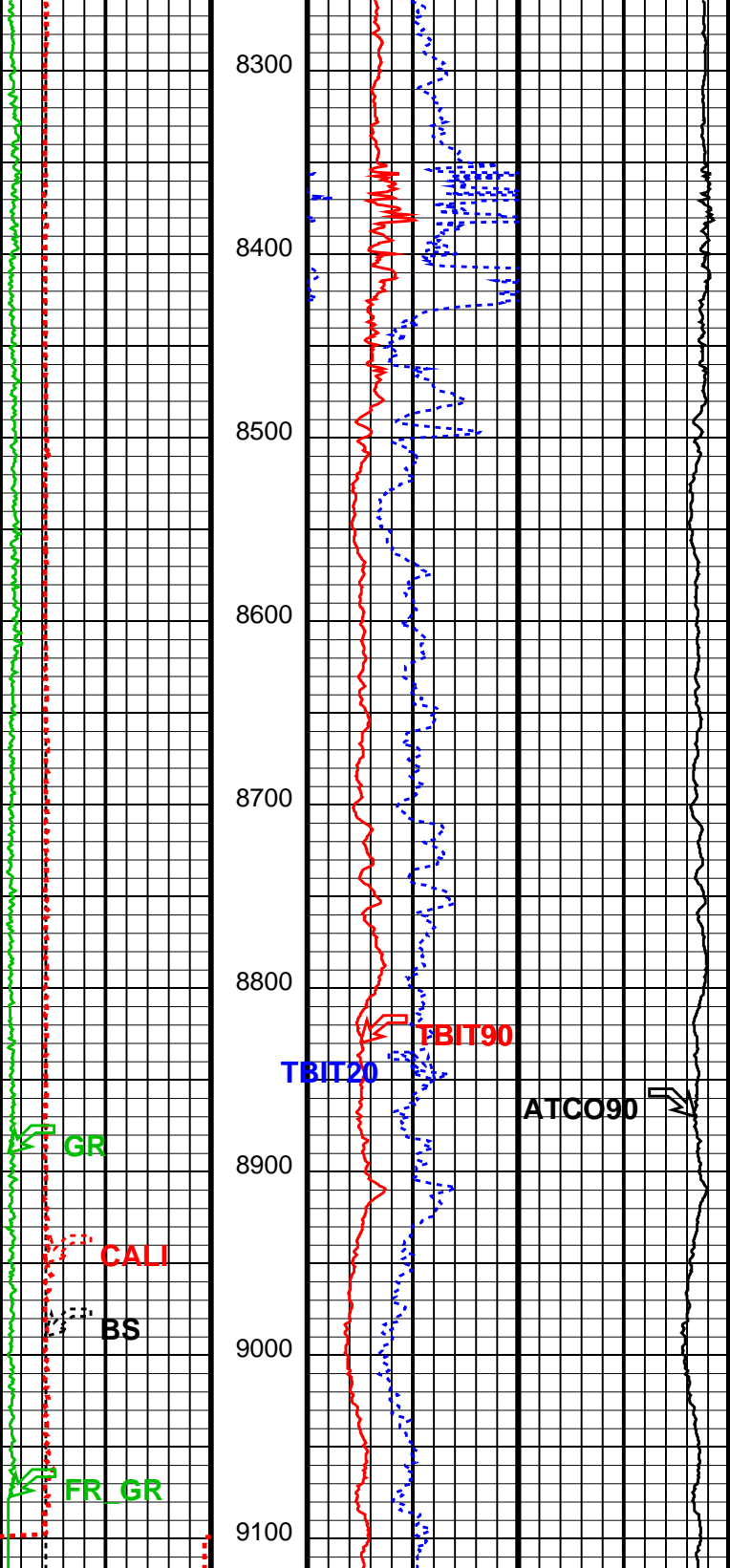
**TBI 90 Inch  
 Investigation**

	(TBIT90)
50 (OHMM) 500	
TBI 20 Inch Investigation (TBIT20)	
50 (OHMM) 500	
Caliper (CALI)	
4 (IN) 14	
TBI 90 Inch Investigation (TBIT90)	
0 (OHMM) 50	
Gamma Ray (GR)	
0 (GAPI) 150	
TBI 20 Inch Investigation (TBIT20)	
0 (OHMM) 50	
Bit Size (BS)	
4 (IN) 14	
TBI 90 Inch Conductivity (ATCO90)	
1000 (MM/M) 0	









Bit Size (BS)  
4 (IN) 14

Gamma Ray (GR)  
0 (GAPI) 150

Caliper (CALI)  
4 (IN) 14

TBI 90 Inch Conductivity (ATCO90)  
1000 (MM/M) 0

TBI 20 Inch Investigation (TBIT20)  
0 (OHMM) 50

TBI 90 Inch Investigation (TBIT90)  
0 (OHMM) 50

TBI 20 Inch Investigation (TBIT20)

50 (OHMM) 500

TBI 90 Inch  
Investigation  
(TBIT90)

50 (OHMM) 500

Format: TB\_HALFSCALE

Vertical Scale: 1" per 100'

Graphics File Created: 06-Apr-2014 13:20

## OP System Version: 19C2-270

TBT SRPC-5292-ThruBit\_RevA

### Input DLIS Files

DEFAULT ThruBit\_016PUP FN:15 PRODUCER 06-Apr-2014 13:12 9117.0 FT 2744.5 FT