

Company: Whiting Oil and Gas Corporation

Well: Wolf 12L-0103

Field: Wildcat

County: Weld State: Colorado

Platform Express

Triple Combo

County:	Weld
Field:	Wildcat
Location:	SWNW, Sec. 12, T10N, R59W
Well:	Wolf 12L-0103
Company:	Whiting Oil and Gas Corporation
Location:	
SWNW, Sec. 12, T10N, R59W	Elev.: K.B. 4971.50 ft
SHL: 2558' FNL x 619' FWL	G.L. 4953.00 ft
Lat/Long: 40.852931/-103.934714	D.F. 4970.50 ft
Permanent Datum:	Ground Level
Log Measured From:	Kelly Bushing
Drilling Measured From:	Kelly Bushing
API Serial No.	Section: 12
05-123-39421-0000	Township: 10N
	Range: 59W

Logging Date	30-Aug-2014
Run Number	One
Depth Driller	6700.00 ft
Schlumberger Depth	6624.00 ft
Bottom Log Interval	6624.00 ft
Top Log Interval	18.00 ft
Casing Driller Size @ Depth	9.625 in @ 1792.00 ft
Casing Schlumberger	1794 ft
Bit Size	8.75 in
Type Fluid In Hole	Polymer
Density	9.3 lbm/gal
Fluid Loss	PH 6.8 cm3
Source of Sample	Shale Shakers
RM @ Meas Temp	1.21 ohm.m @ 75.4 degF
RMF @ Meas Temp	0.91 ohm.m @ 75.4 degF
RMC @ Meas Temp	1.51 ohm.m @ 75.4 degF
Source RMF	Calculated
RM @ BHT	0.51 @ 190
Max Recorded Temperatures	190 degF
Circulation Stopped	30-Aug-2014 15:00:00
Logger on Bottom	30-Aug-2014 18:00:47
Unit Number	9108
Recorded By	Elizabeth Wilson
Witnessed By	BJ Honeycutt / Matt Taylor

Disclaimer

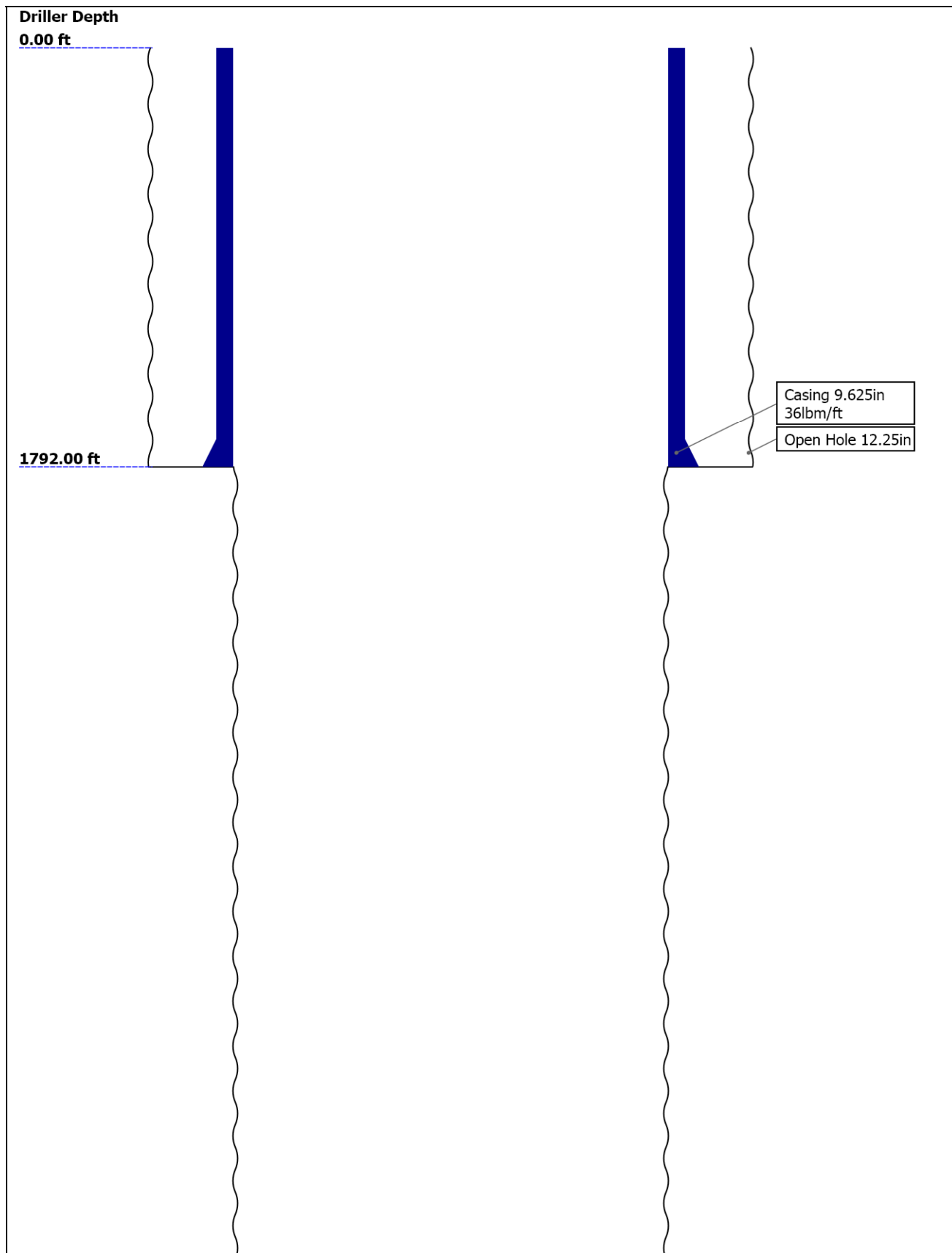
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Well Sketch



6700.00 ft

Open Hole 8.75in

Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	12.25	8.75				
Top Driller (ft)	0	1792				
Top Logger (ft)	0	1792				
Bottom Driller (ft)	1792	6700				
Bottom Logger (ft)	1792	6624				
Casing						
Size (in)	9.625					
Weight (lbm/ft)	36					
Inner Diameter (in)	8.921					
Grade	N/A					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	1792					
Bottom Logger (ft)	1794					

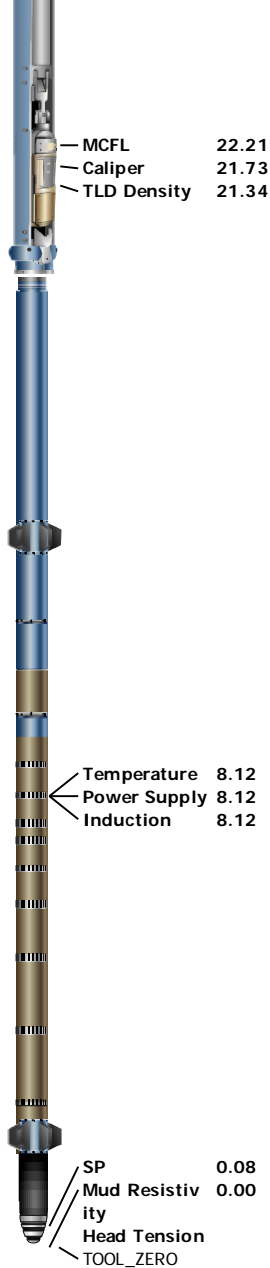
Borehole Fluids

Parameter(unit)	One					
Fluid Type	Water					
Fluid Name	Polymer					
Max Recorded Temperatures (degF)	190					
Source of Sample	Shale Shakers					
Salinity (ppm)	1000					
Density (lbm/gal)	9.3					
Funnel Viscosity (s)	44					
Fluid Loss (cm3)	6.8					
PH	8.5					
Date/Time Circulation Stopped	30-Aug-2014 15:00:00					
Date Logger on Bottom	30-Aug-2014					
Time Logger on Bottom	18:00:47					
Source RMF	Calculated					
RMC	Calculated					
RM @ Meas Temp (ohm.m@degF)	1.21 @ 75.4					
RMF @ Meas Temp (ohm.m@degF)	0.91 @ 75.4					

RMC @ Meas Temp (ohm.m@degF)	1.51 @ 75.4					
RM @ BHT (ohm.m@degF)	0.51 @ 190					
RMF @ BHT (ohm.m@degF)	0.38 @ 190					
RMC @ BHT (ohm.m@degF)	0.63 @ 190					
Total Solid (%)	5					
High Gravity Solids (%)						

Remarks and Equipment Summary

One: Toolstring				One: Remarks
Equip name LEH-QT:2552 LEH-QT:2552	Length 62.47	MP name	Offset	Toolstring ran as per tool sketch
				TLD caliper calibrated to casing ID of 8.921"
				Crew: Alonzo Carrera, David Marquez
				Thank you for choosing Schlumberger Wireline Services
EDTC-B:9296 EDTH-B:9347 EDTG-B:79498 EDTC-B:9296	59.55			
		CTEM	56.05	
		ACCZ	0.00	
		HV	0.00	
		Gamma Ray	54.18	
		TelStatus 3808	53.05	
Weight[2]	53.05			
GPIT-F:2953 GPIH-B DHRU-F:2953 GPIC-F:2953	49.05	GPIT-F Inclina- ometer	47.63	
Weight[1]	45.05	GPIT 3808	0.00	
HGNS-H:4810 HGNH:3912 NPV-N NSR-F:5069 HMCA-H HGNS-H:4810 HACCZ-H:6305	41.05	Temperature	41.02	
		GR	40.31	
		CNL Porosity	33.98	
		HGNS	31.64	
		HMCA	31.64	
		Acceleromete r	0.00	
HDRS-H:3911 ECH-MEB:3949 HRCC-H:4923 HRMS-H:3911 Long Spacing:287 36 Short Spacing:287 36 GPV-Q Backscatter:2873 6 GSR-J:5094 HRGD-H:3933	31.64	HRCC	27.64	



MCFL 22.21
Caliper 21.73
TLD Density 21.34

ZAIT-E:99 19.4
AZIS:99
AZRM:99

Temperature 8.12
Power Supply 8.12
Induction 8.12

SP 0.08
Mud Resistivity 0.00
Head Tension
TOOL_ZERO

Lengths are in ft
Maximum Outer Diameter = 7.000 in
Line: Sensor Location, Value: Gating Offset
All measurements are relative to TOOL_ZERO

Depth Summary

One

Depth Measuring Device

Type	IDW-JA		
Serial Number	5916		
Calibration Date	24-Mar-2014		
Calibrator Serial Number			
Calibration Cable Type	7-46 PXS		
Wheel Correction 1	-6		
Wheel Correction 2	-3		

Tension Device

Type	CMTD-B/A		
Serial Number	1919		
Calibration Date	28-Jul-2014		
Calibrator Serial Number	78135A		
Number of Calibration Points	10		
Calibration Root Mean Square Error	17		
Calibration Peak Error	26		

Logging Cable

Logging Cable

Type	7-46A-XS		
Serial Number	U711142		
Length	21000.00 ft		
Conveyance Type	Wireline		
Rig Type	Land		
One:Depth Control Parameters		Depth Control Remarks	
Log Sequence	First Log In the Well	All Schlumberger depth policies and procedures followed	
Rig Up Length At Surface		IDW used as primary depth reference	
Rig Up Length At Bottom		Z-chart used as secondary depth reference	
Rig Up Length Correction			
Stretch Correction	7.00 ft		
Tool Zero Check At Surface			

Survey Record

Survey Calculation			
Method :	Minimum Radius of Curvature	DLS Method :	Lubinski
North Reference :	True North	Total Correction Formula :	Magnetic Dec

Rig Location			
Latitude :	40.873983 degrees	Longitude :	-103.93184 degrees
Tie In Point			
Measured Depth:	0.00 ft	Inclination:	0.00 deg
True Vertical Depth:	0.00 ft	North Displacement:	0.00 ft
		Azimuth:	0.00 deg
		East Displacement:	0.00 ft

Survey Quality Index	
9 : Manual	28 : Tie-In Point

Survey Correction Index	
0 : No correction	

Survey Description Index	
0 : Not Flagged Survey	

Seq	MD (ft)	Incl (deg)	Azim (deg)	Course (ft)	TVD (ft)	V Sec (ft)	N/ -S (ft)	E/ -W (ft)	Closure (ft)	at Azim (deg)	DLS deg/100ft	Tool Type	QI	CI	DI
1	0.00	0.00	0.00	- - - -	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP	28	0	0
2	500.00	0.60	129.60	500.00	499.99	-1.67	-1.67	2.02	2.62	129.60	0.12	Other	9	0	0
3	972.00	0.80	146.60	472.00	971.96	-5.99	-5.99	5.74	8.30	136.27	0.06	Other	9	0	0
4	1530.00	1.10	176.70	558.00	1529.88	-14.59	-14.59	8.19	16.73	150.71	0.10	Other	9	0	0
5	1760.00	1.40	176.80	230.00	1759.83	-19.60	-19.60	8.47	21.36	156.63	0.13	Other	9	0	0
6	1811.00	1.30	168.40	51.00	1810.81	-20.79	-20.79	8.62	22.51	157.48	0.43	Other	9	0	0
7	1905.00	3.40	131.90	94.00	1904.73	-23.70	-23.70	10.91	26.08	155.28	2.64	Other	9	0	0
8	1999.00	5.30	125.30	94.00	1998.46	-28.07	-28.07	16.53	32.58	149.51	2.09	Other	9	0	0
9	2093.00	8.40	132.30	94.00	2091.78	-35.20	-35.20	25.15	43.27	144.45	3.41	Other	9	0	0
10	2187.00	10.90	123.80	94.00	2184.44	-44.77	-44.77	37.62	58.46	139.96	3.05	Other	9	0	0
11	2280.00	14.10	118.00	93.00	2275.23	-54.98	-54.98	54.93	77.72	135.02	3.69	Other	9	0	0
12	2374.00	13.30	118.70	94.00	2366.56	-65.55	-65.55	74.53	99.25	131.33	0.87	Other	9	0	0
13	2469.00	12.10	114.80	95.00	2459.23	-74.97	-74.97	93.15	119.59	128.83	1.55	Other	9	0	0
14	2563.00	14.50	119.30	94.00	2550.71	-84.87	-84.87	112.36	140.81	127.06	2.78	Other	9	0	0
15	2658.00	13.90	118.60	95.00	2642.80	-96.15	-96.15	132.75	163.91	125.91	0.66	Other	9	0	0
16	2753.00	13.50	117.30	95.00	2735.10	-106.70	-106.70	152.63	186.22	124.96	0.53	Other	9	0	0
17	2847.00	14.30	123.80	94.00	2826.35	-118.19	-118.19	172.02	208.73	124.49	1.87	Other	9	0	0
18	2942.00	14.00	125.30	95.00	2918.47	-131.36	-131.36	191.15	231.92	124.50	0.50	Other	9	0	0
19	3035.00	14.10	124.40	93.00	3008.69	-144.26	-144.26	209.68	254.49	124.53	0.26	Other	9	0	0
20	3130.00	14.10	122.60	95.00	3100.83	-157.03	-157.03	228.98	277.66	124.44	0.46	Other	9	0	0
21	3223.00	13.70	120.60	93.00	3191.10	-168.74	-168.74	248.00	299.97	124.23	0.67	Other	9	0	0
22	3317.00	14.70	131.10	94.00	3282.25	-182.25	-182.25	266.57	322.90	124.36	2.93	Other	9	0	0
23	3410.00	14.30	130.60	93.00	3372.28	-197.48	-197.48	284.18	346.06	124.80	0.45	Other	9	0	0
24	3503.00	14.10	131.10	93.00	3462.44	-212.40	-212.40	301.44	368.77	125.17	0.25	Other	9	0	0
25	3596.00	14.10	128.70	93.00	3552.64	-226.93	-226.93	318.82	391.34	125.44	0.63	Other	9	0	0

26	3690.00	14.90	126.60	94.00	3643.65	-241.29	-241.29	337.46	414.86	125.57	1.02	Other	9	0	0
27	3783.00	15.60	125.20	93.00	3733.37	-255.63	-255.63	357.27	439.30	125.58	0.85	Other	9	0	0
28	3875.00	16.60	125.00	92.00	3821.76	-270.30	-270.30	378.15	464.83	125.56	1.09	Other	9	0	0
29	3968.00	17.40	123.80	93.00	3910.70	-285.66	-285.66	400.59	491.99	125.49	0.94	Other	9	0	0
30	4062.00	17.50	123.00	94.00	4000.37	-301.17	-301.17	424.12	520.18	125.38	0.28	Other	9	0	0
31	4155.00	16.30	122.30	93.00	4089.35	-315.76	-315.76	446.88	547.18	125.24	1.31	Other	9	0	0
32	4250.00	16.10	121.70	95.00	4180.58	-329.81	-329.81	469.35	573.65	125.10	0.27	Other	9	0	0
33	4343.00	16.10	120.90	93.00	4269.94	-343.21	-343.21	491.39	599.38	124.93	0.24	Other	9	0	0
34	4437.00	16.00	120.20	94.00	4360.27	-356.42	-356.42	513.77	625.30	124.75	0.23	Other	9	0	0
35	4531.00	16.10	117.30	94.00	4450.61	-368.91	-368.91	536.55	651.15	124.51	0.86	Other	9	0	0
36	4623.00	15.90	113.20	92.00	4539.05	-379.73	-379.73	559.47	676.15	124.17	1.25	Other	9	0	0
37	4716.00	13.40	110.40	93.00	4629.02	-388.50	-388.50	581.28	699.15	123.76	2.79	Other	9	0	0
38	4809.00	12.20	112.80	93.00	4719.71	-396.07	-396.07	600.44	719.29	123.41	1.41	Other	9	0	0
39	4902.00	10.70	111.70	93.00	4810.85	-403.07	-403.07	617.52	737.43	123.13	1.63	Other	9	0	0
40	4996.00	10.40	112.00	94.00	4903.26	-409.47	-409.47	633.50	754.30	122.88	0.32	Other	9	0	0
41	5089.00	7.80	111.70	93.00	4995.09	-414.95	-414.95	647.15	768.77	122.67	2.80	Other	9	0	0
42	5182.00	7.40	91.40	93.00	5087.28	-417.43	-417.43	659.00	780.09	122.35	2.90	Other	9	0	0
43	5276.00	5.50	75.10	94.00	5180.69	-416.42	-416.42	669.41	788.35	121.88	2.79	Other	9	0	0
44	5369.00	4.10	59.50	93.00	5273.37	-413.59	-413.59	676.58	792.98	121.44	2.05	Other	9	0	0
45	5462.00	1.20	45.10	93.00	5366.26	-411.21	-411.21	680.13	794.78	121.16	3.18	Other	9	0	0
46	5555.00	1.20	20.40	93.00	5459.24	-409.61	-409.61	681.16	794.85	121.02	0.55	Other	9	0	0
47	5649.00	1.20	26.20	94.00	5553.22	-407.81	-407.81	681.94	794.59	120.88	0.13	Other	9	0	0
48	5742.00	1.80	39.30	93.00	5646.19	-405.80	-405.80	683.30	794.72	120.71	0.74	Other	9	0	0
49	5835.00	1.60	7.00	93.00	5739.15	-403.38	-403.38	684.38	794.42	120.52	1.04	Other	9	0	0
50	5928.00	1.60	352.00	93.00	5832.11	-400.81	-400.81	684.36	793.08	120.36	0.45	Other	9	0	0
51	5966.00	1.60	349.30	38.00	5870.10	-399.76	-399.76	684.18	792.42	120.30	0.20	Other	9	0	0
52	5984.00	1.50	351.10	18.00	5888.09	-399.28	-399.28	684.10	792.09	120.27	0.62	Other	9	0	0

One

5" Triple Combo

Software Version	
Acquisition System	Version
MaxWell	4.0.9163.3000
Application Patch	Patch-SP-10767_18214-4.0.9163.3001
	Patch-NPD_CMRTF_SP2-22354-4.0.9434.3002

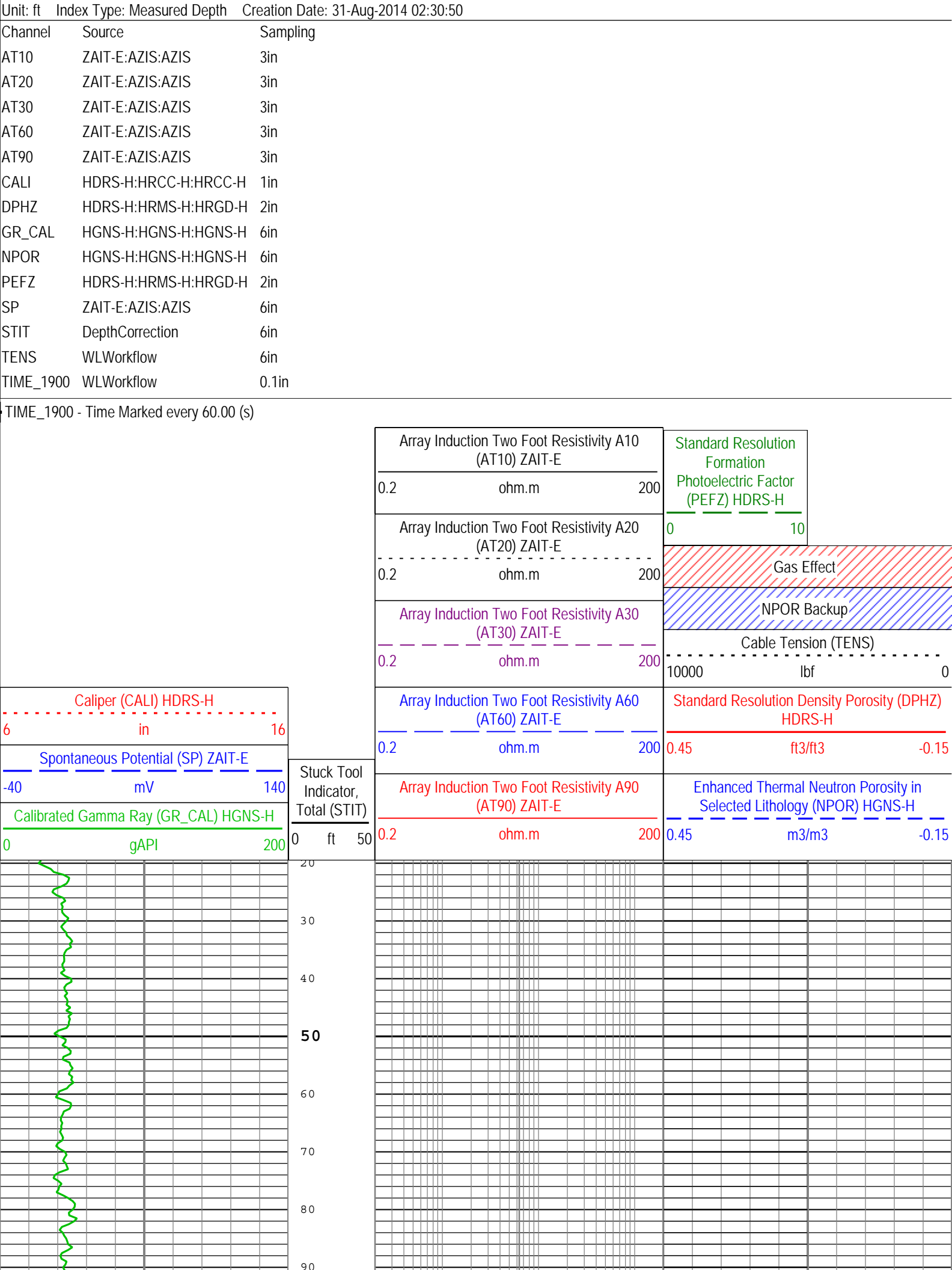
Computation	Description		Version
HENVIR	Computation Ensemble for the HGNS Neutron environmental corrections		4.0.9360.3000
DepthCorrection	DepthCorrection		4.0.9433.3000
Tool Elements	Description	Software Version	Firmware Version
AZIS	Array Induction Sonde - Z	4.0.9427.3000	
HRCC-H	HILT High-Resolution Control Cartridge, 150 degC	4.0.9385.3000	2.0
HGNS-H	HILT Gamma-Ray and Neutron Sonde, 150 degC	4.0.9385.3000	2.0
HRGD-H	HILT Resistivity Gamma-Ray Density Device, 150 degC	4.0.9385.3000	3.0

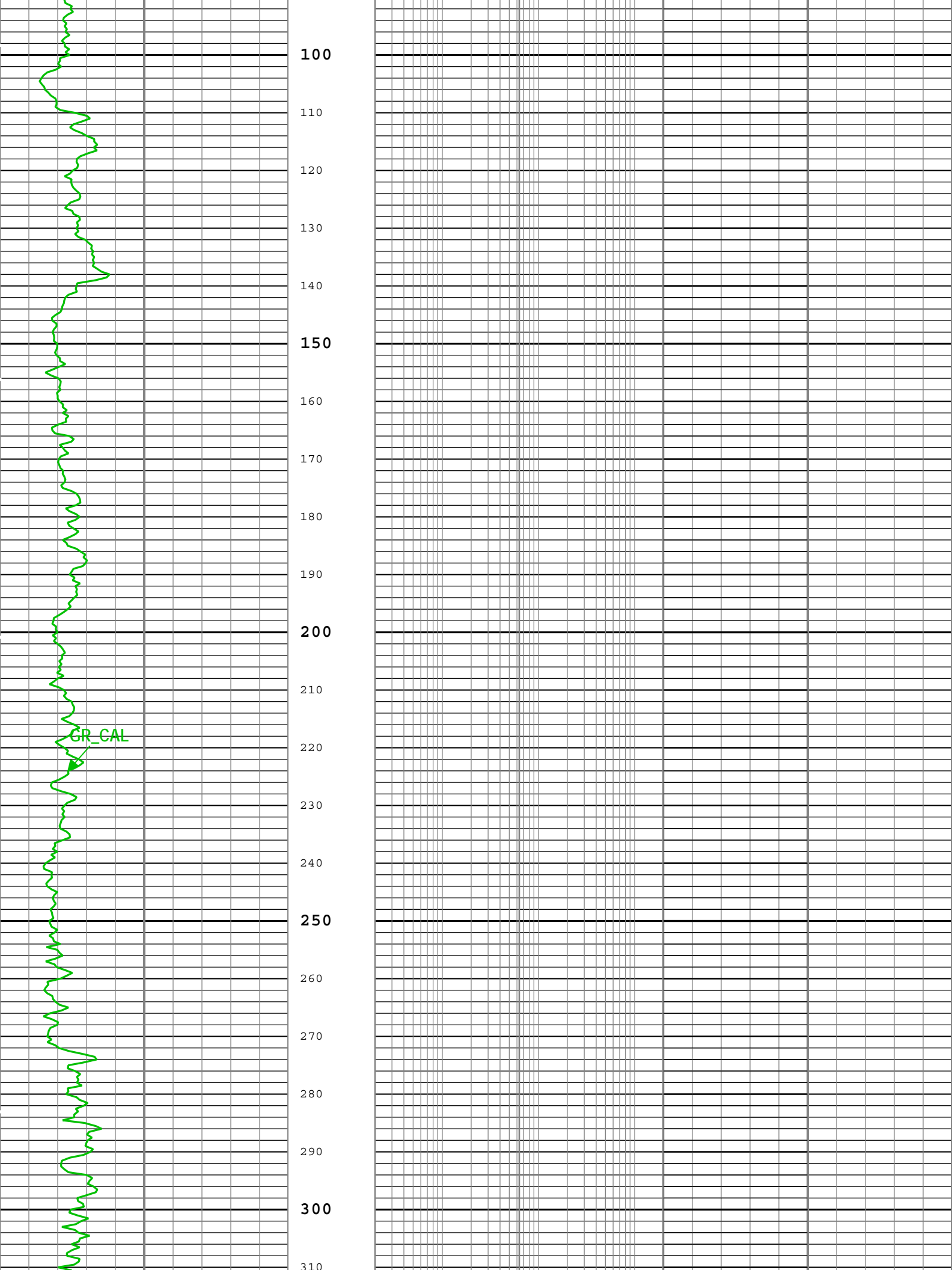
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[3]:Up	Up	59.61 ft	6641.24 ft	30-Aug-2014 6:23:41 PM	30-Aug-2014 8:11:43 PM	ON	6.77 ft	No

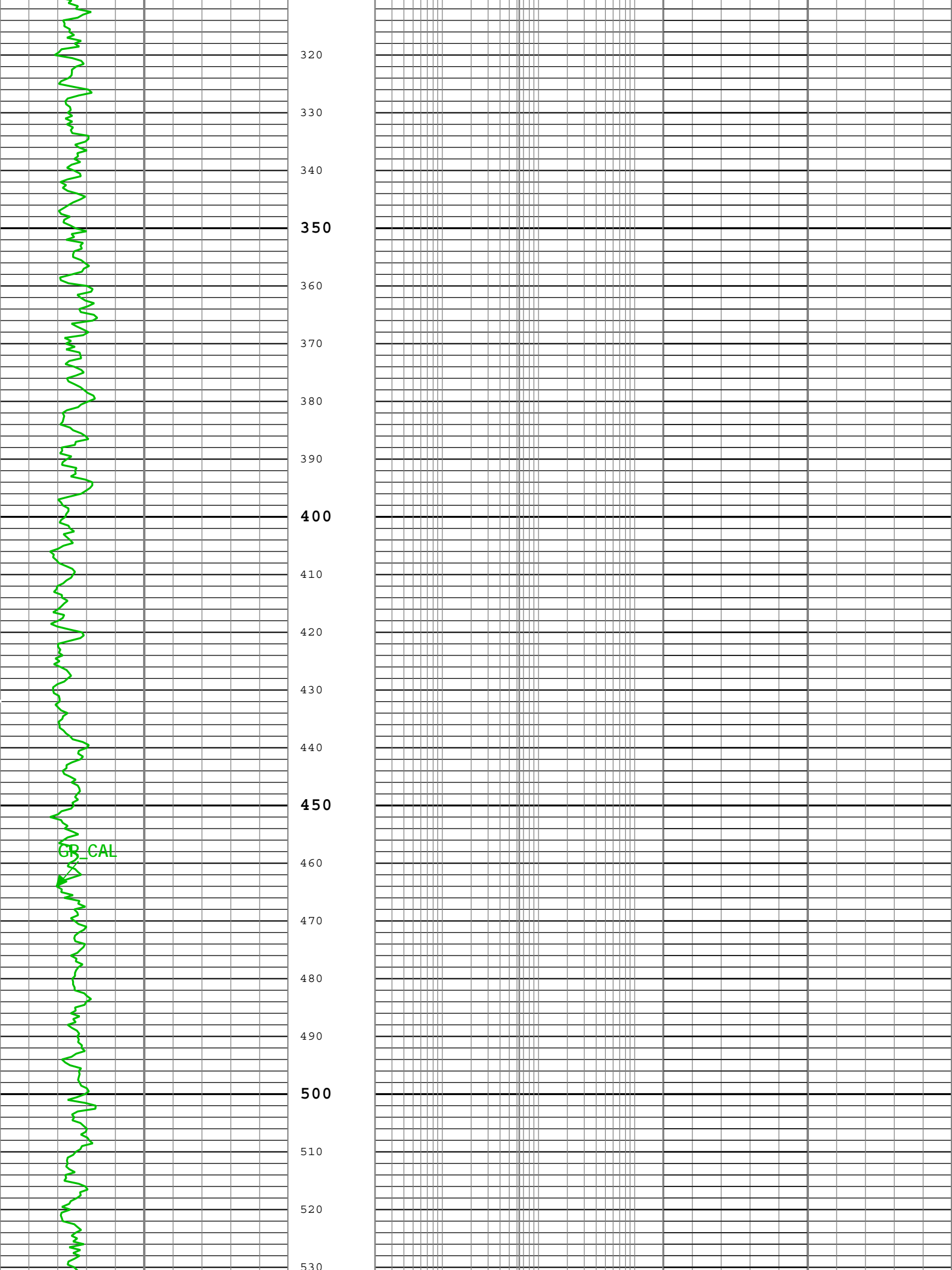
All depths are referenced to toolstring zero

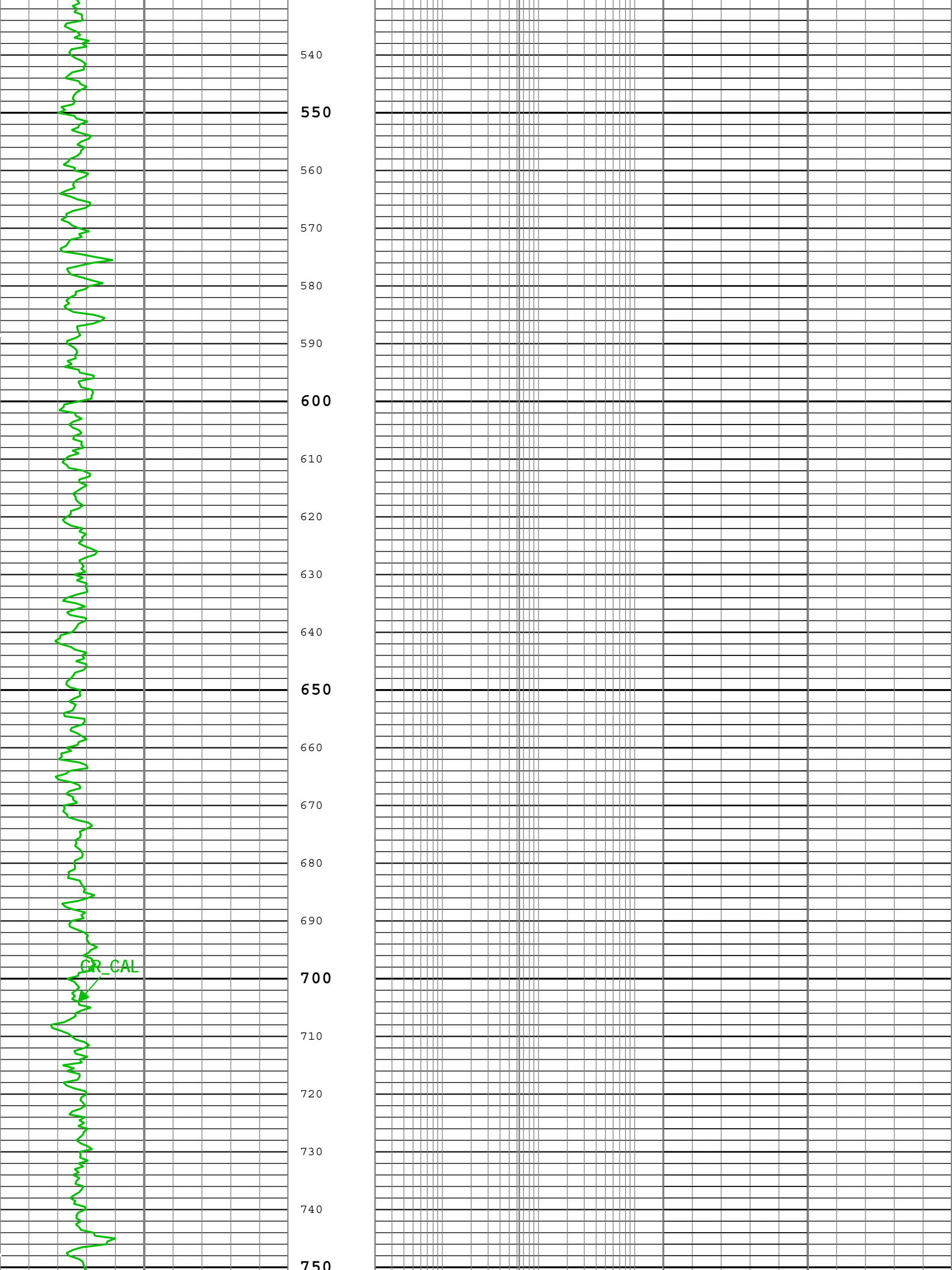
Log	Company:Whiting Oil and Gas Corporation	Well:Wolf 12L-0103
		One: Log[3]:Up:S010

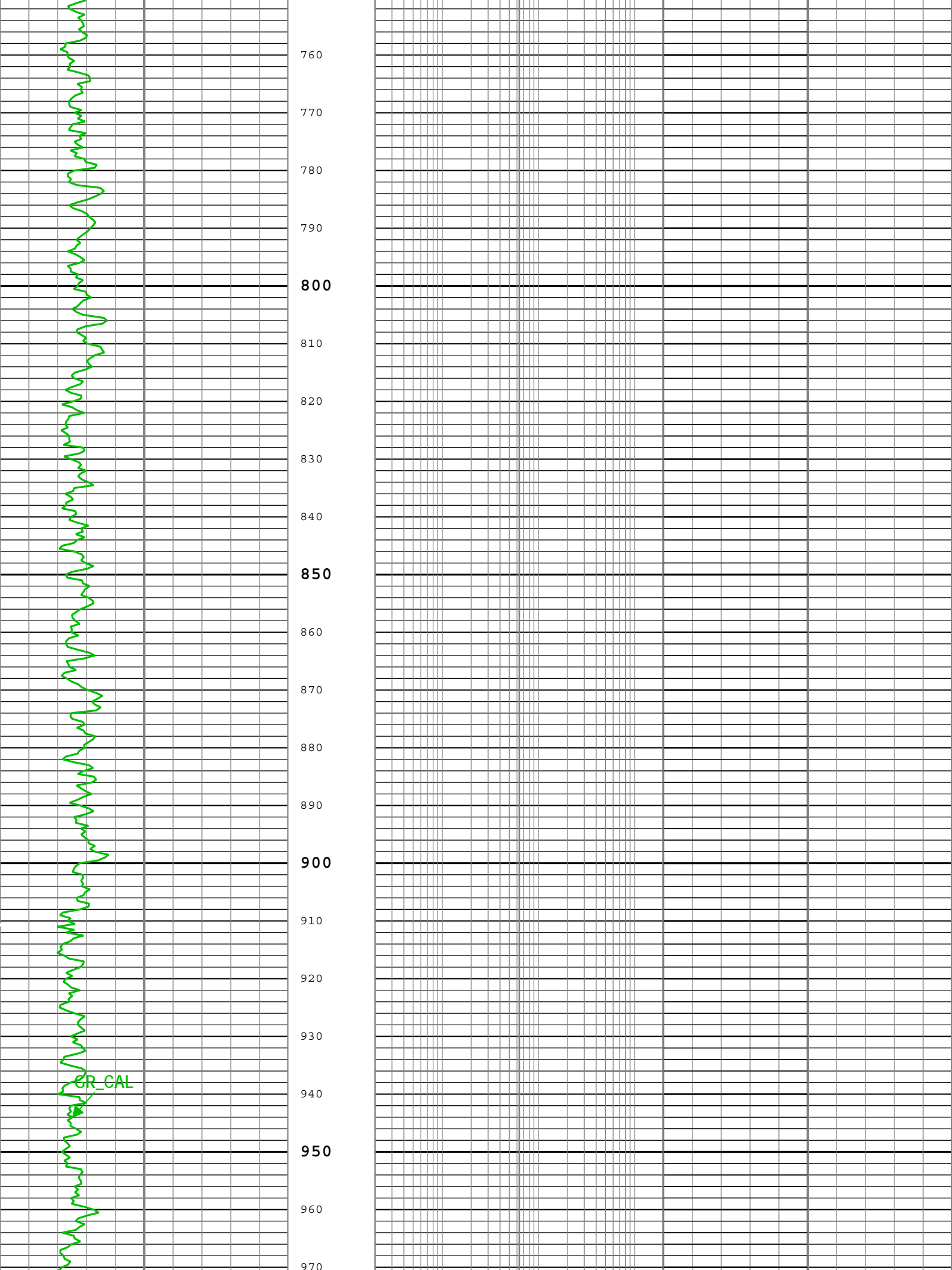
Description: HGNS standard resolution porosities for Platform Express Format: Log (Import of KM 5in Triple Combo) Index Scale: 5 in per 100 ft Index

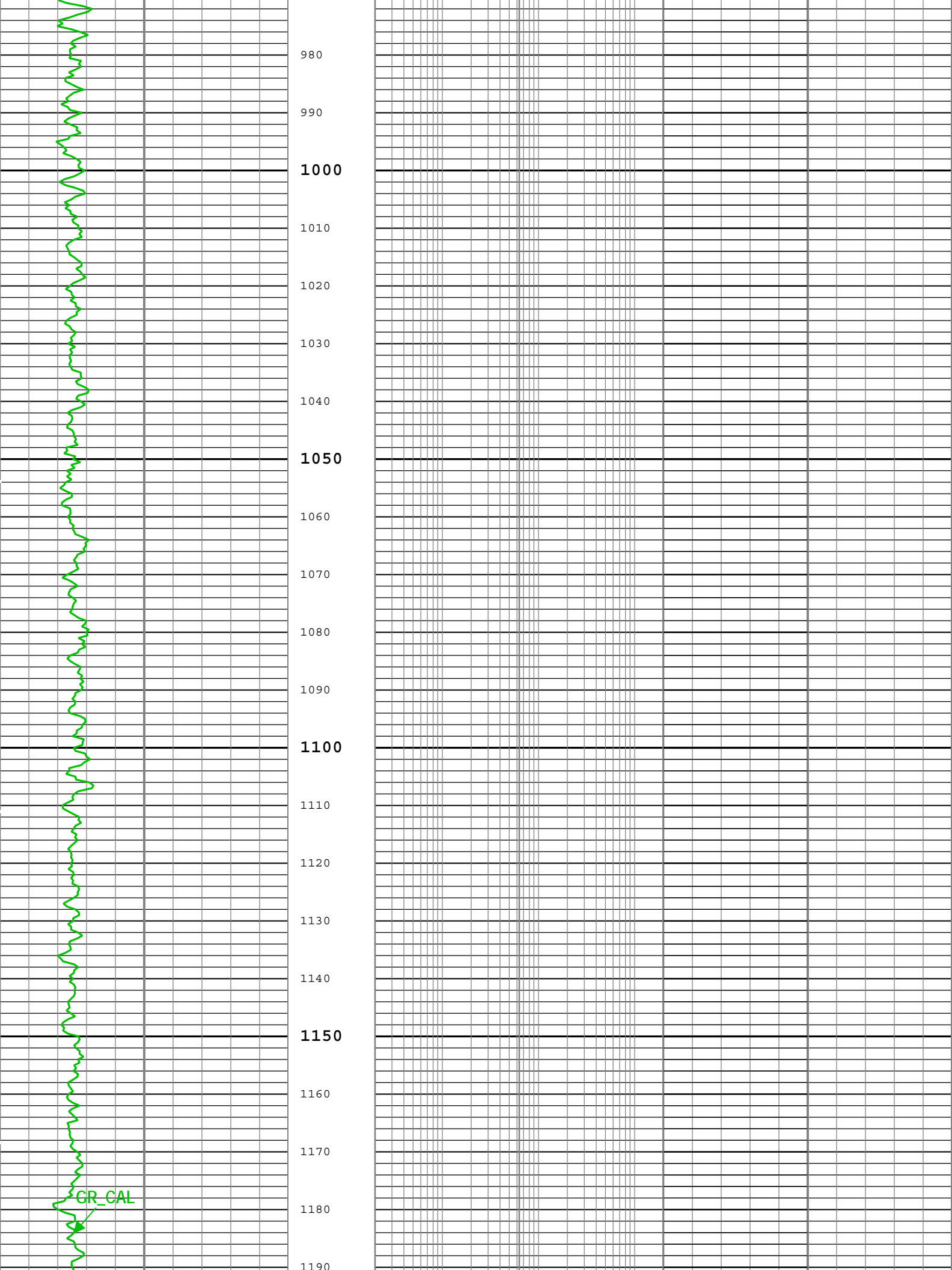


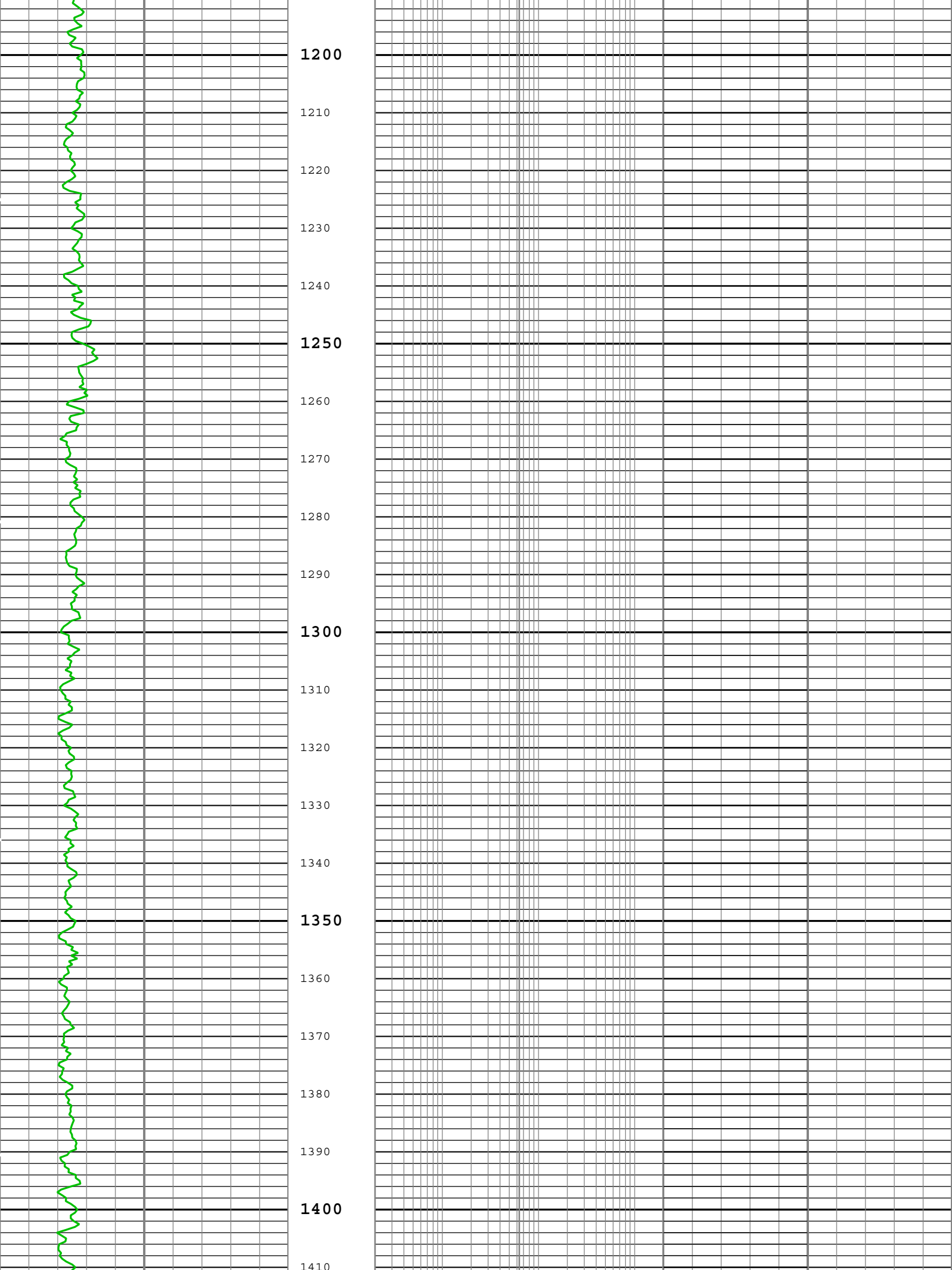


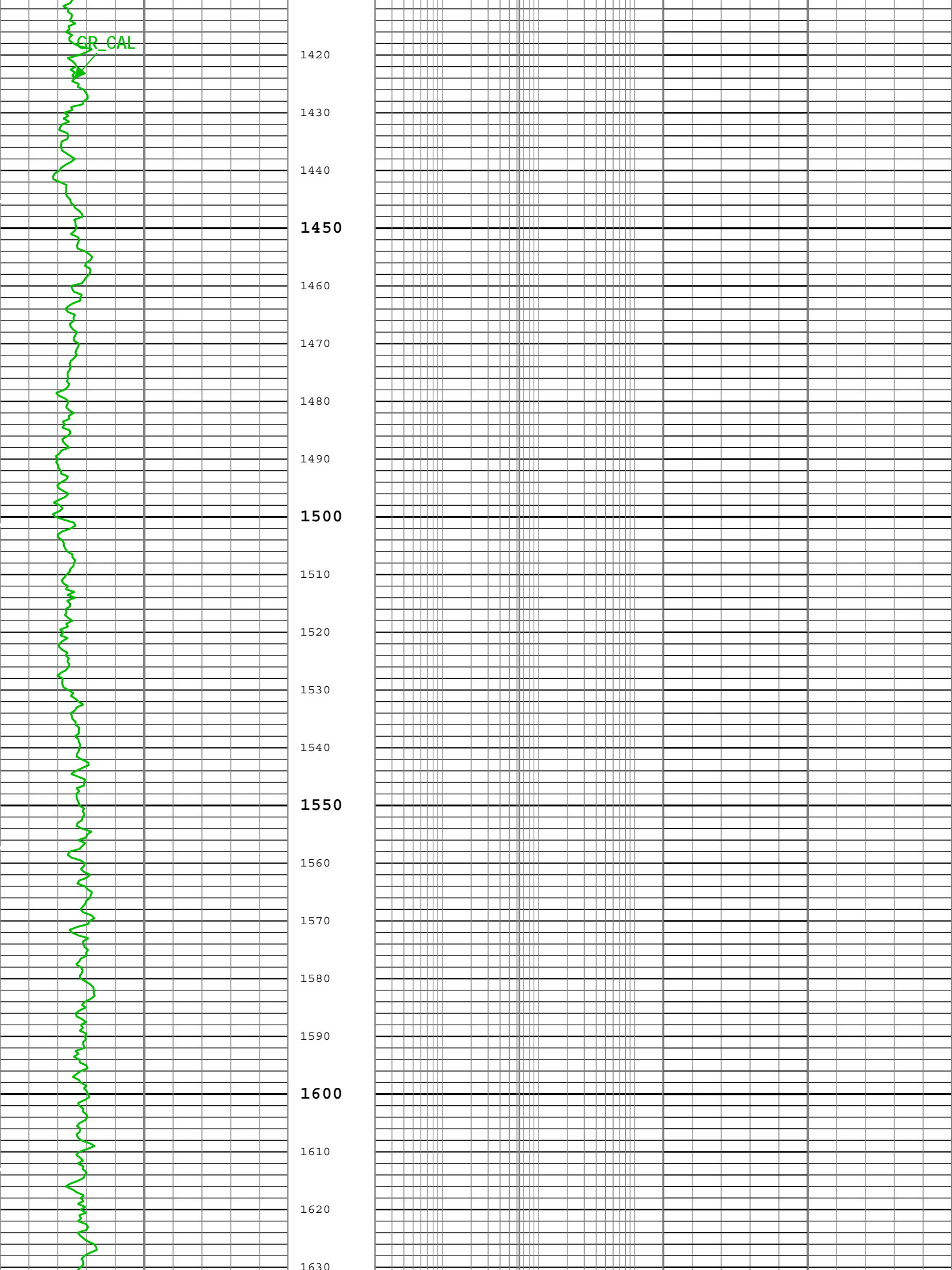


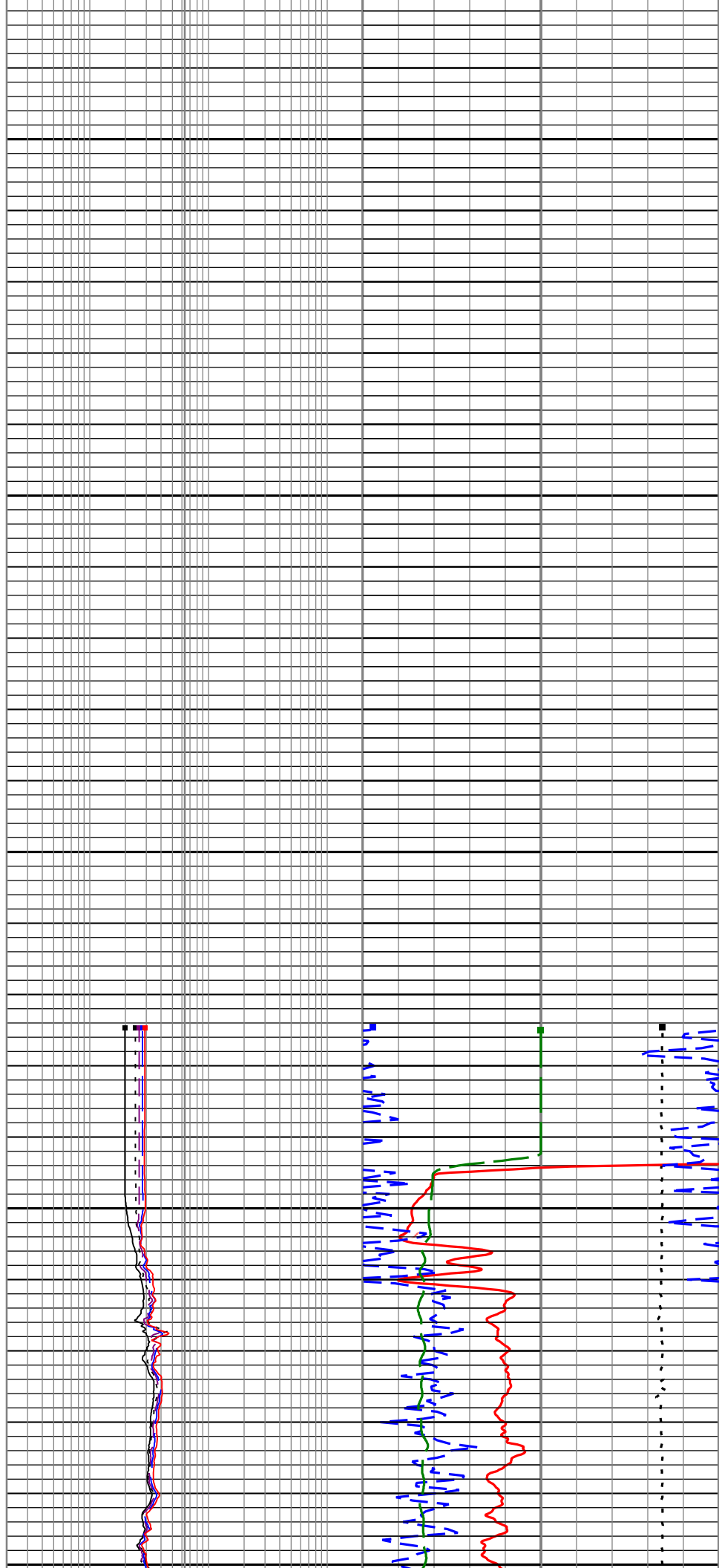
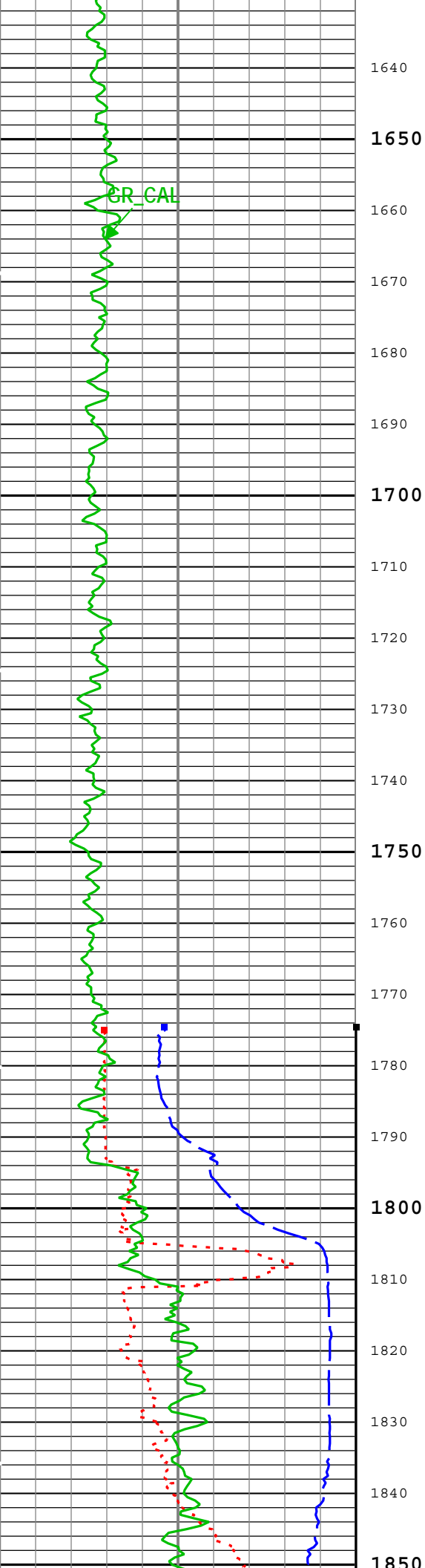


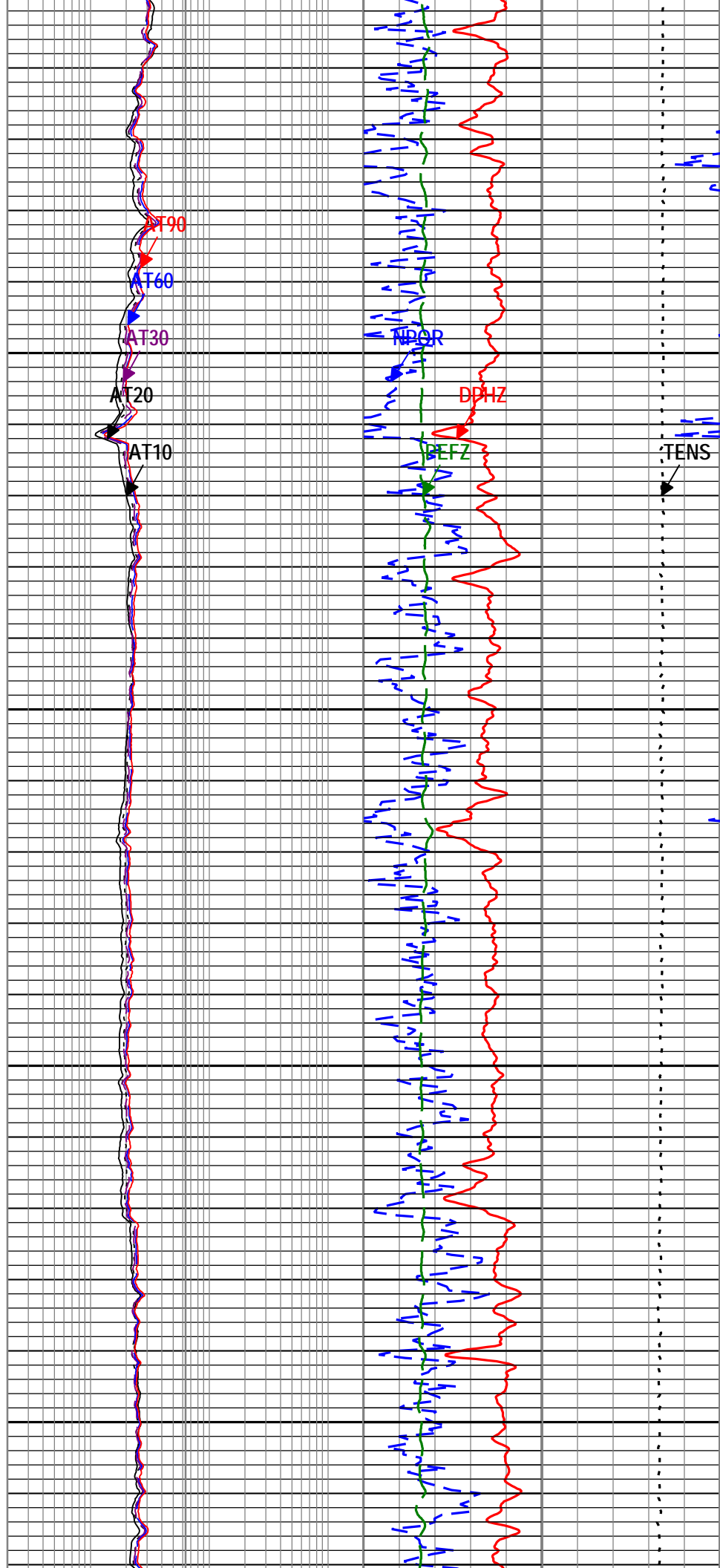
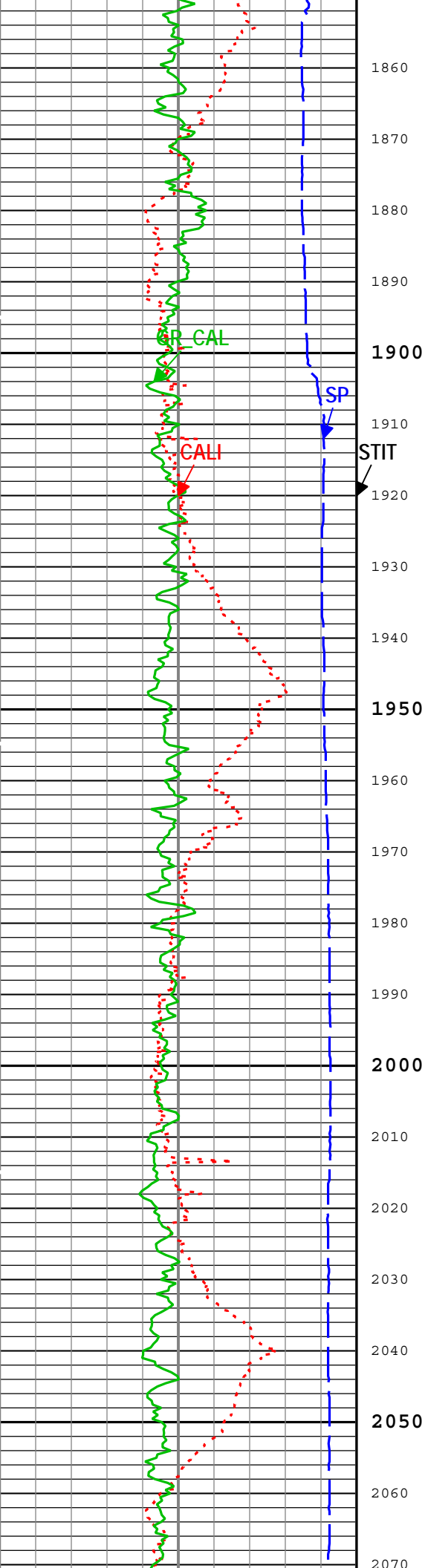


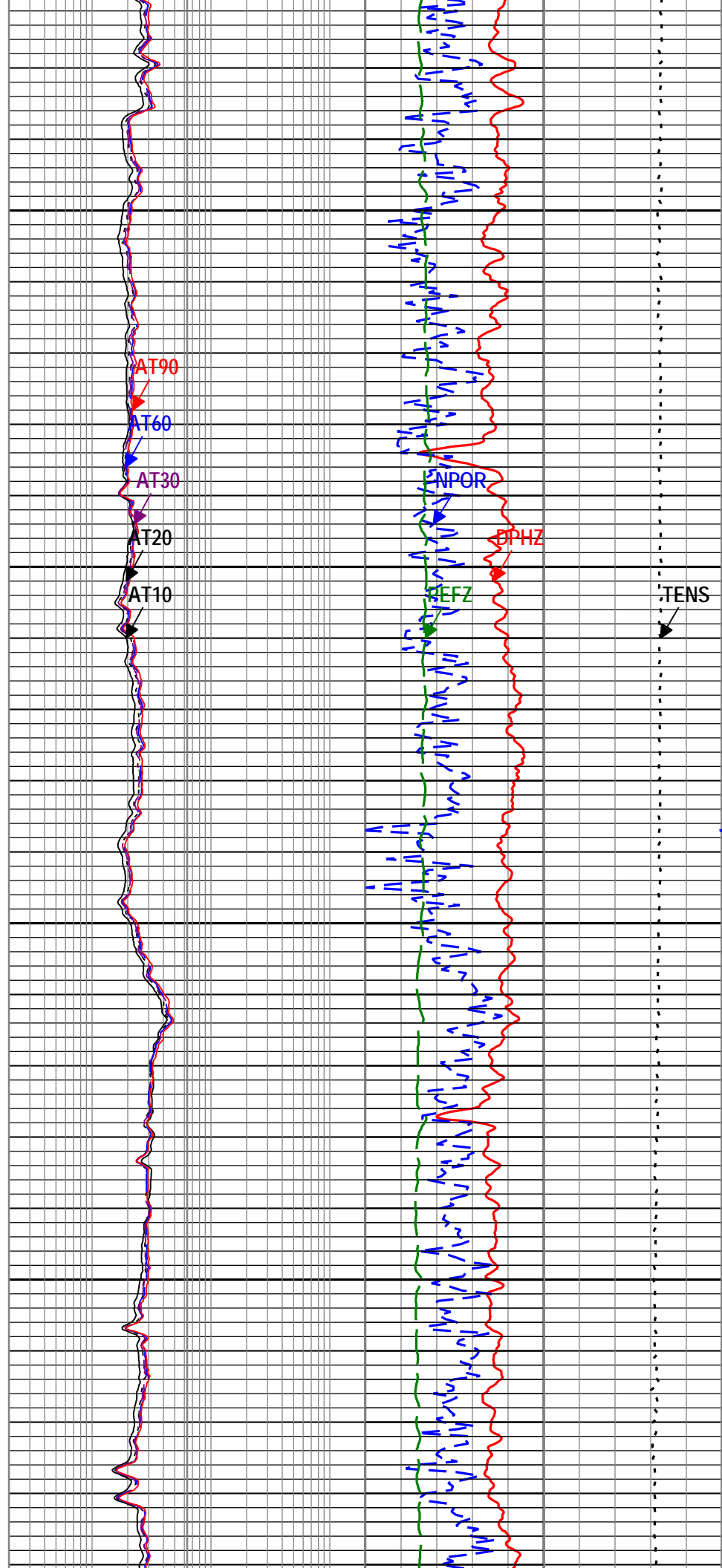
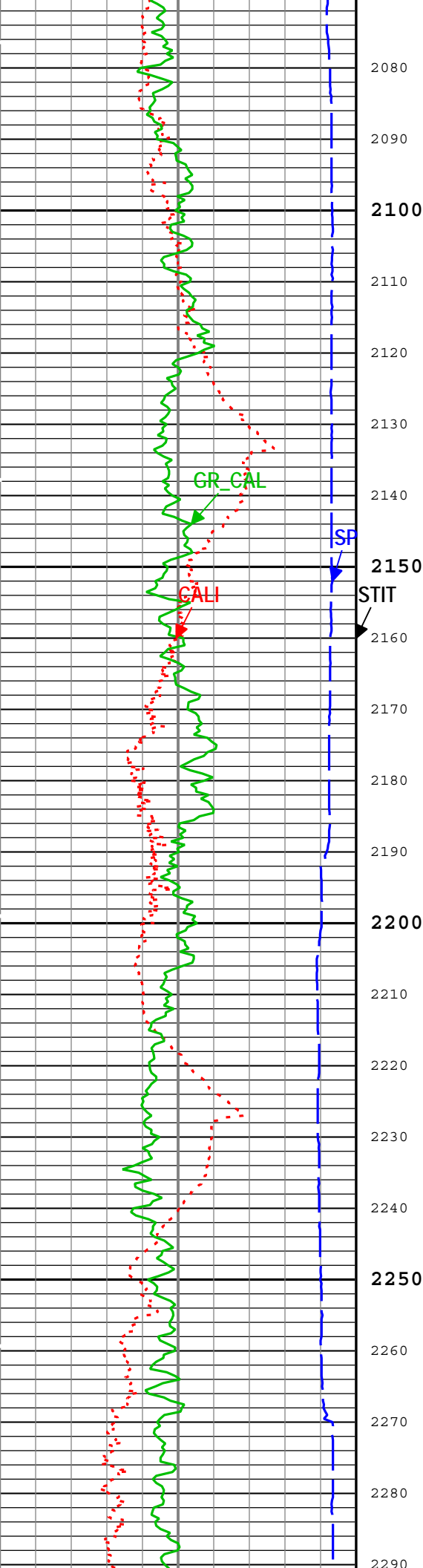


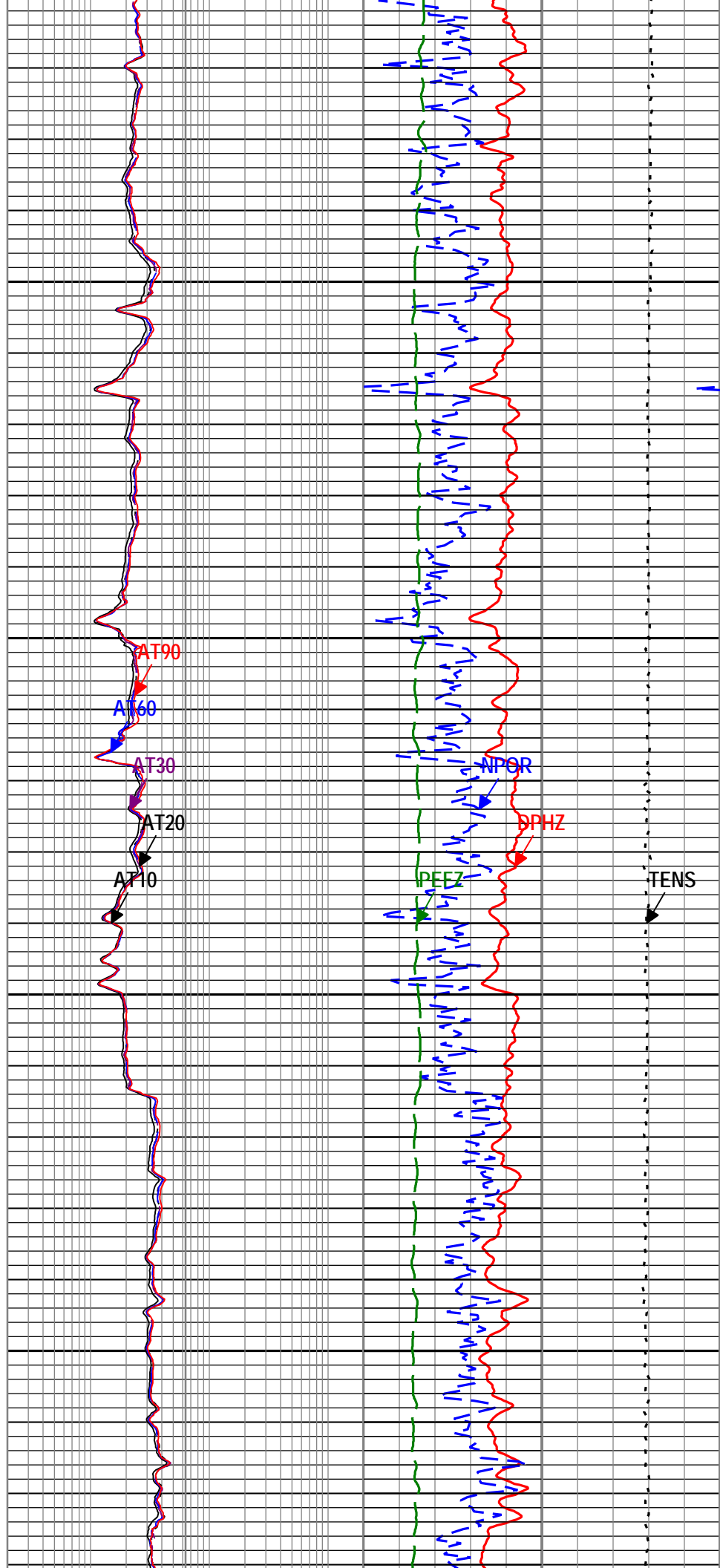
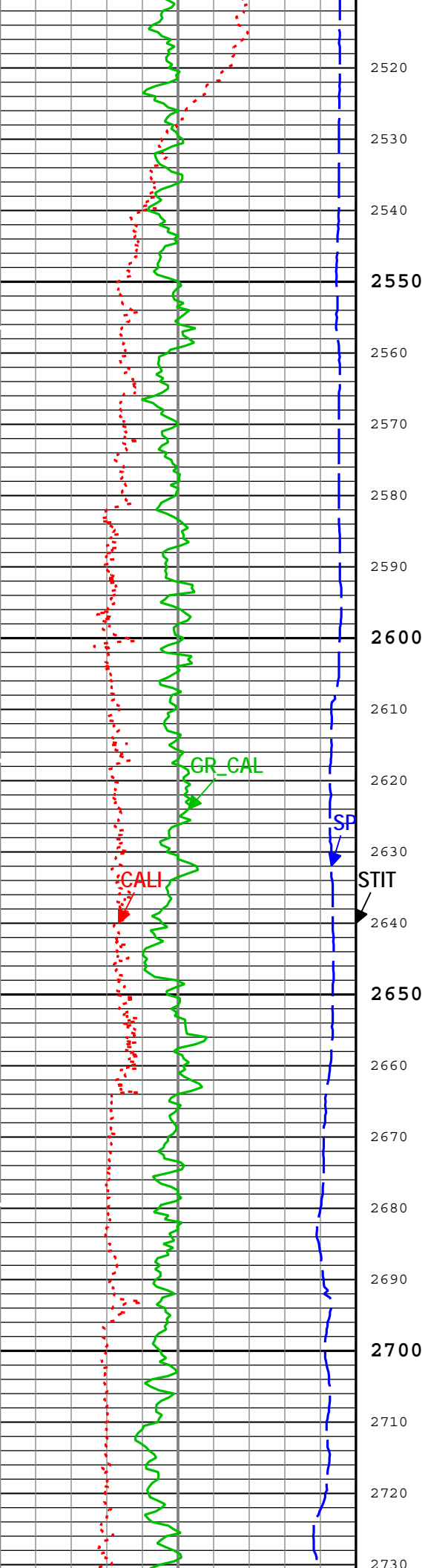


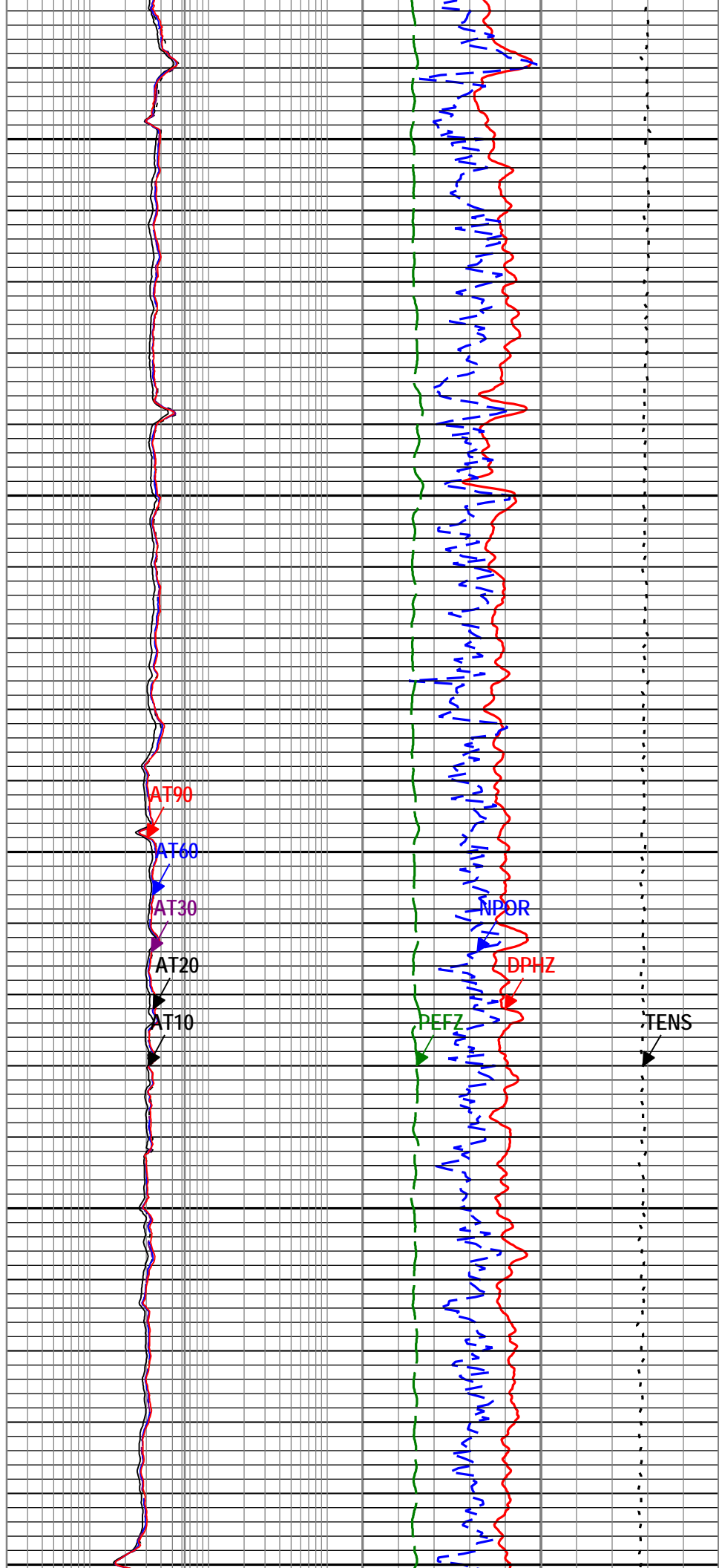
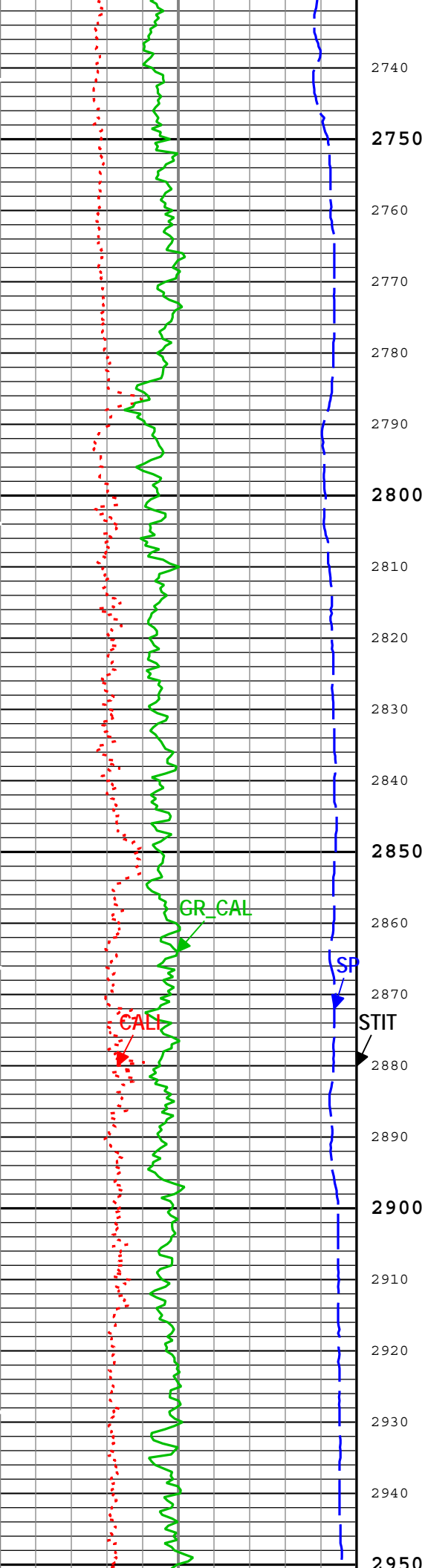


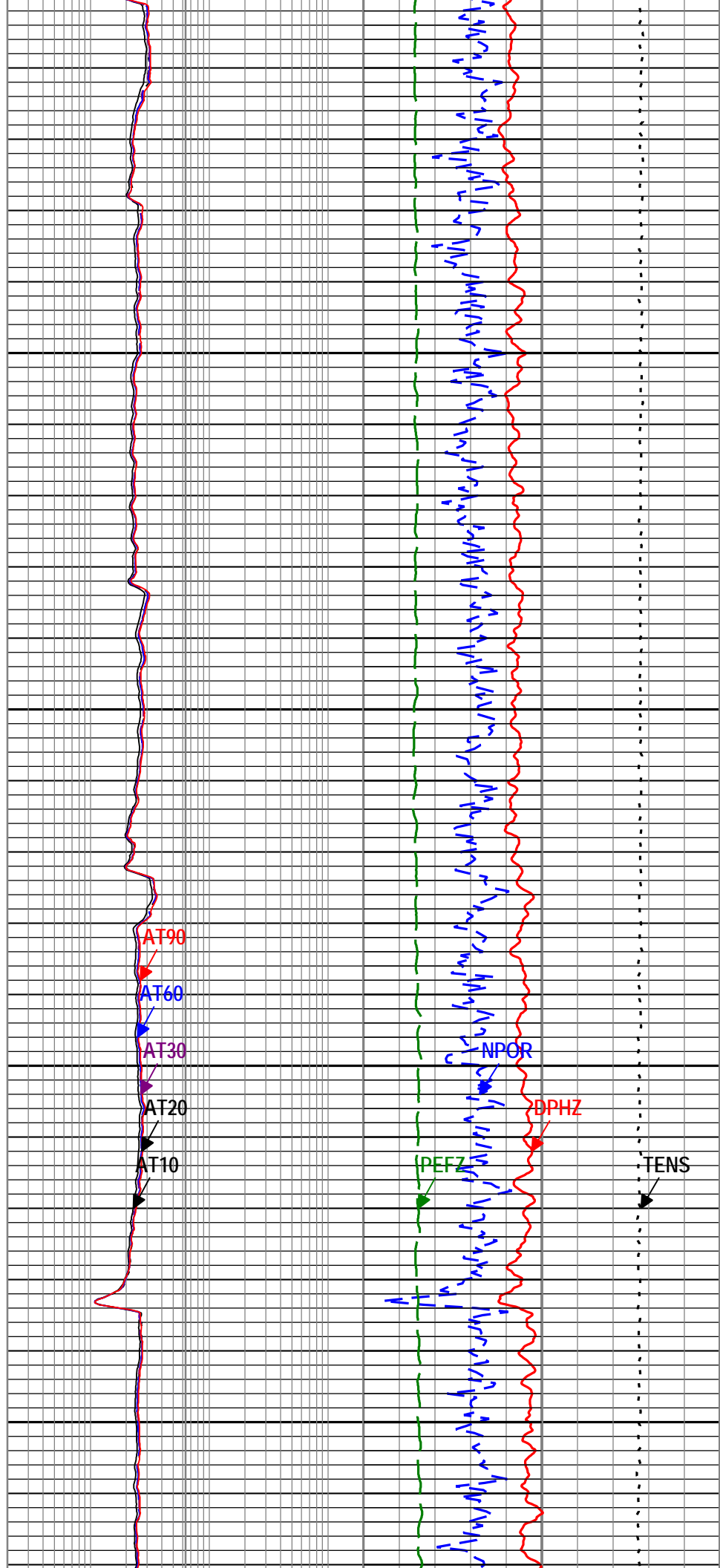
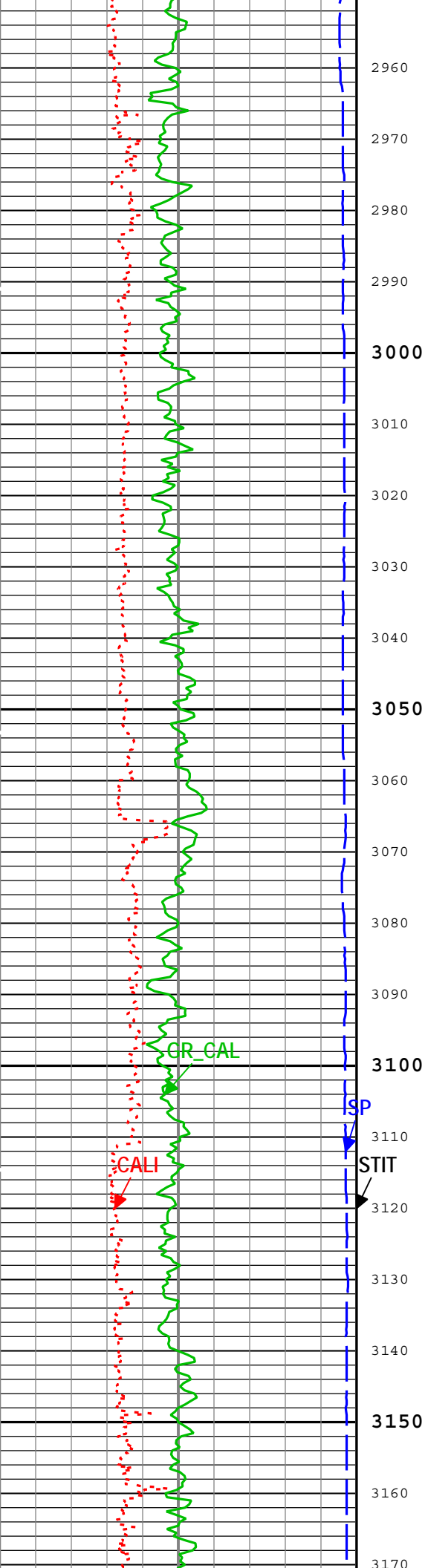


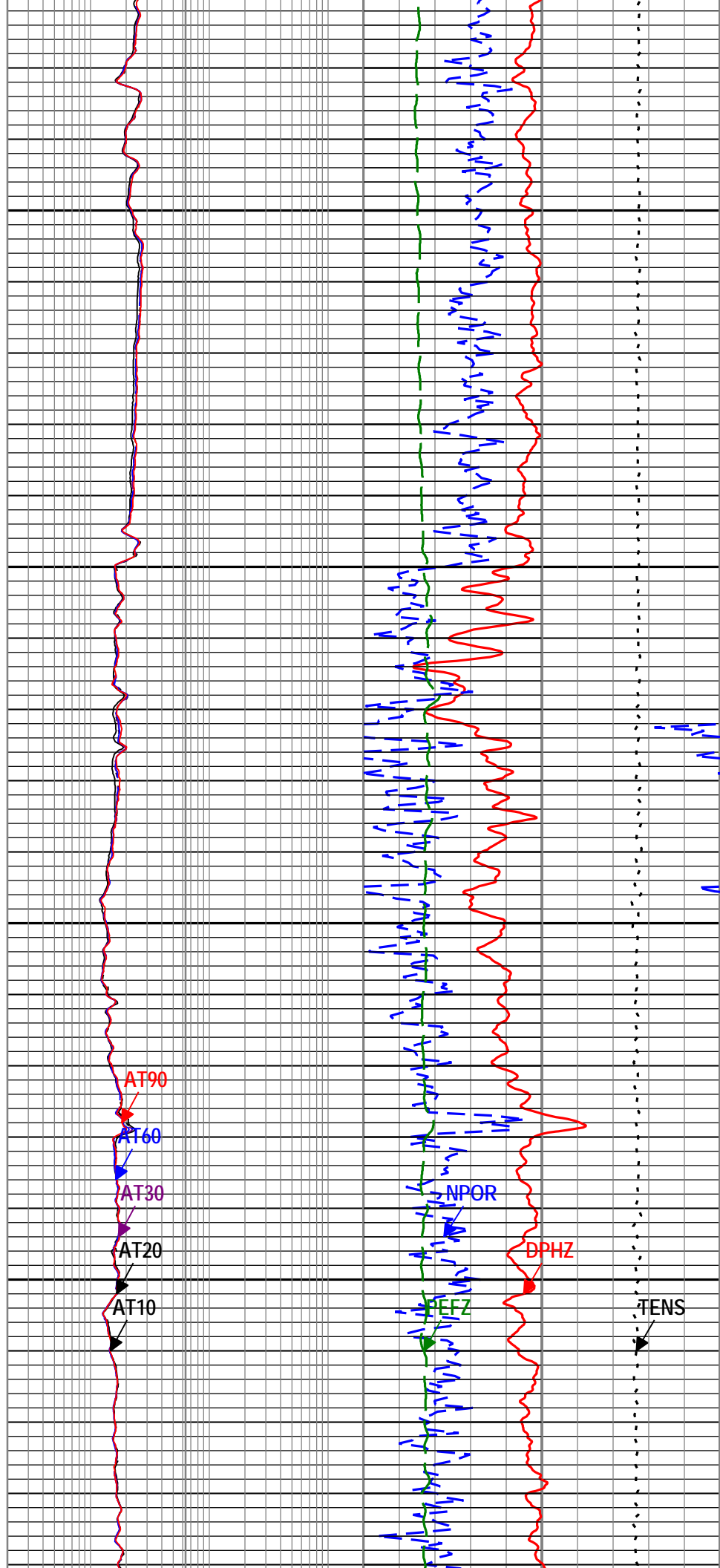
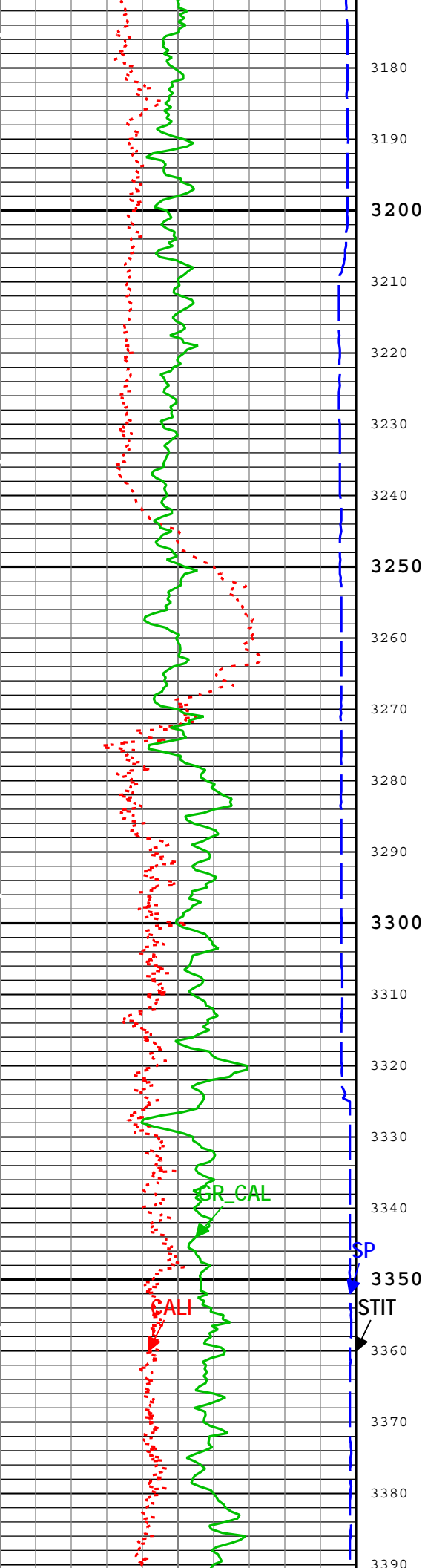


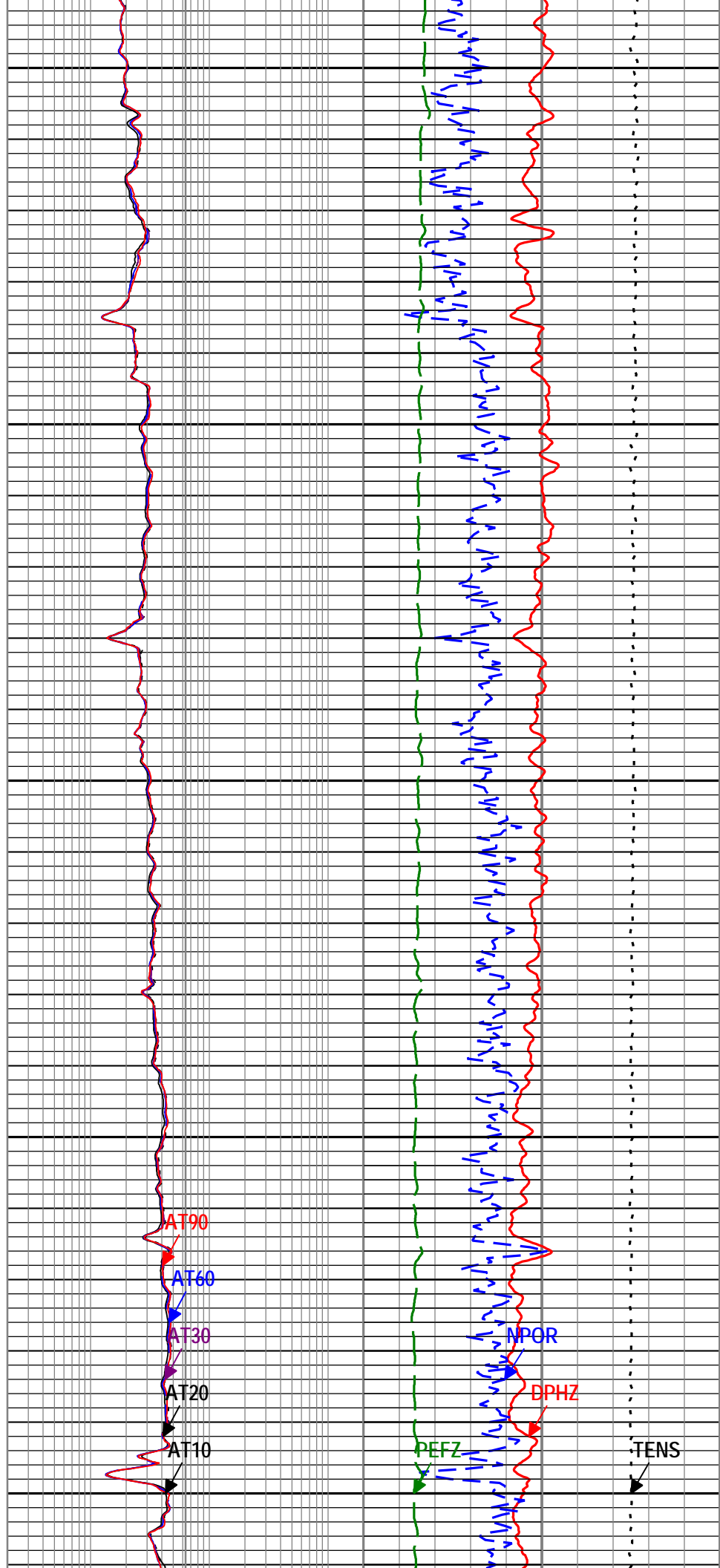
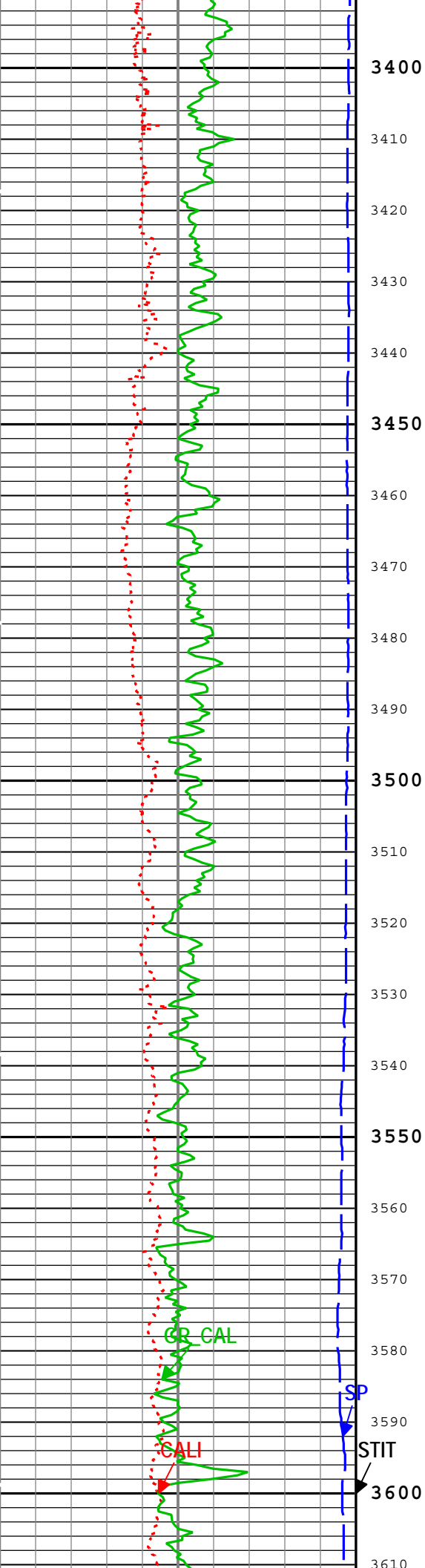


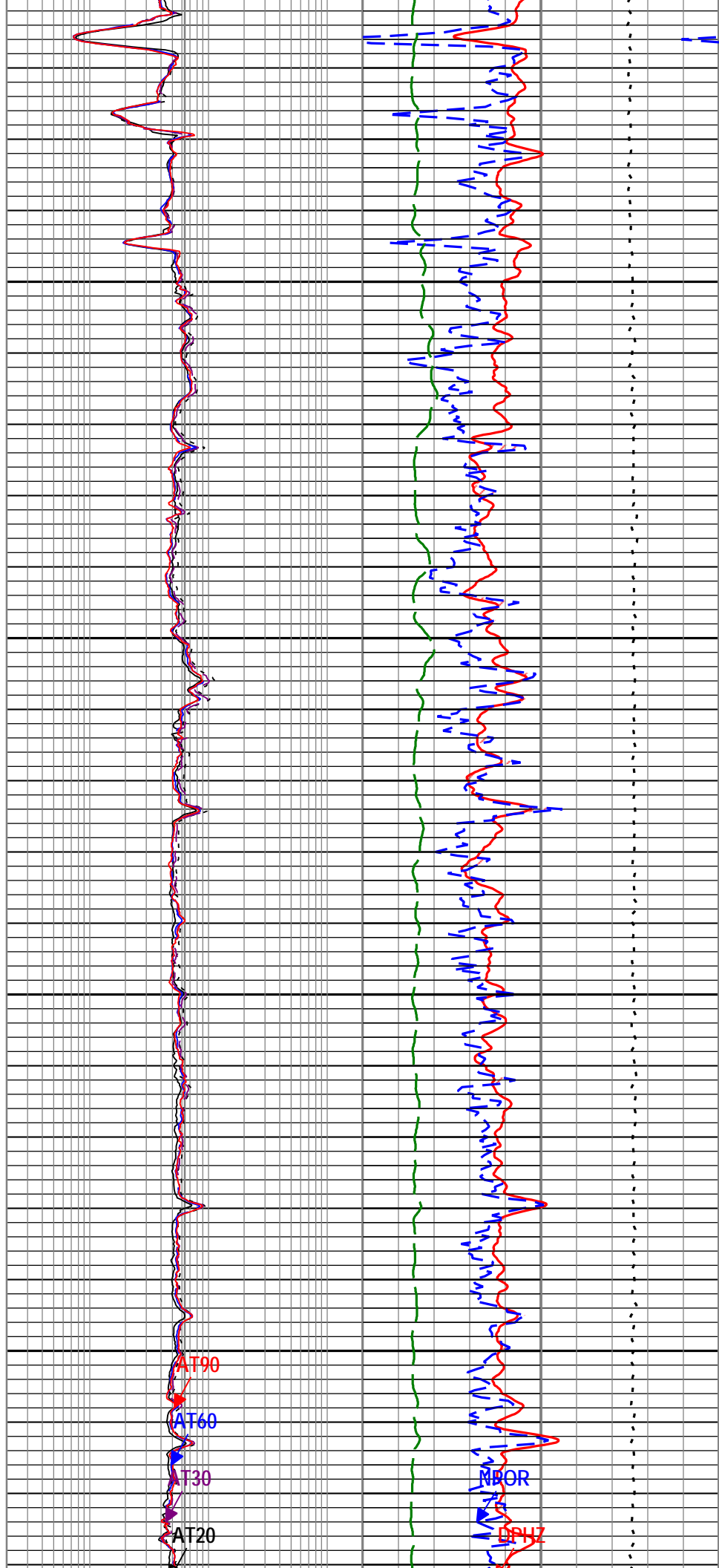
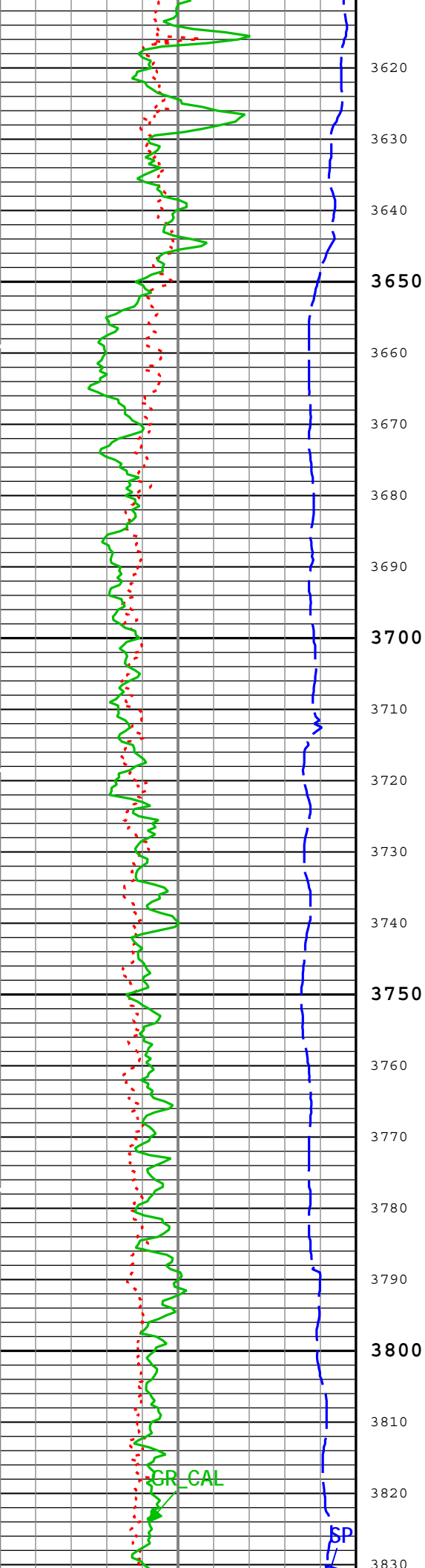


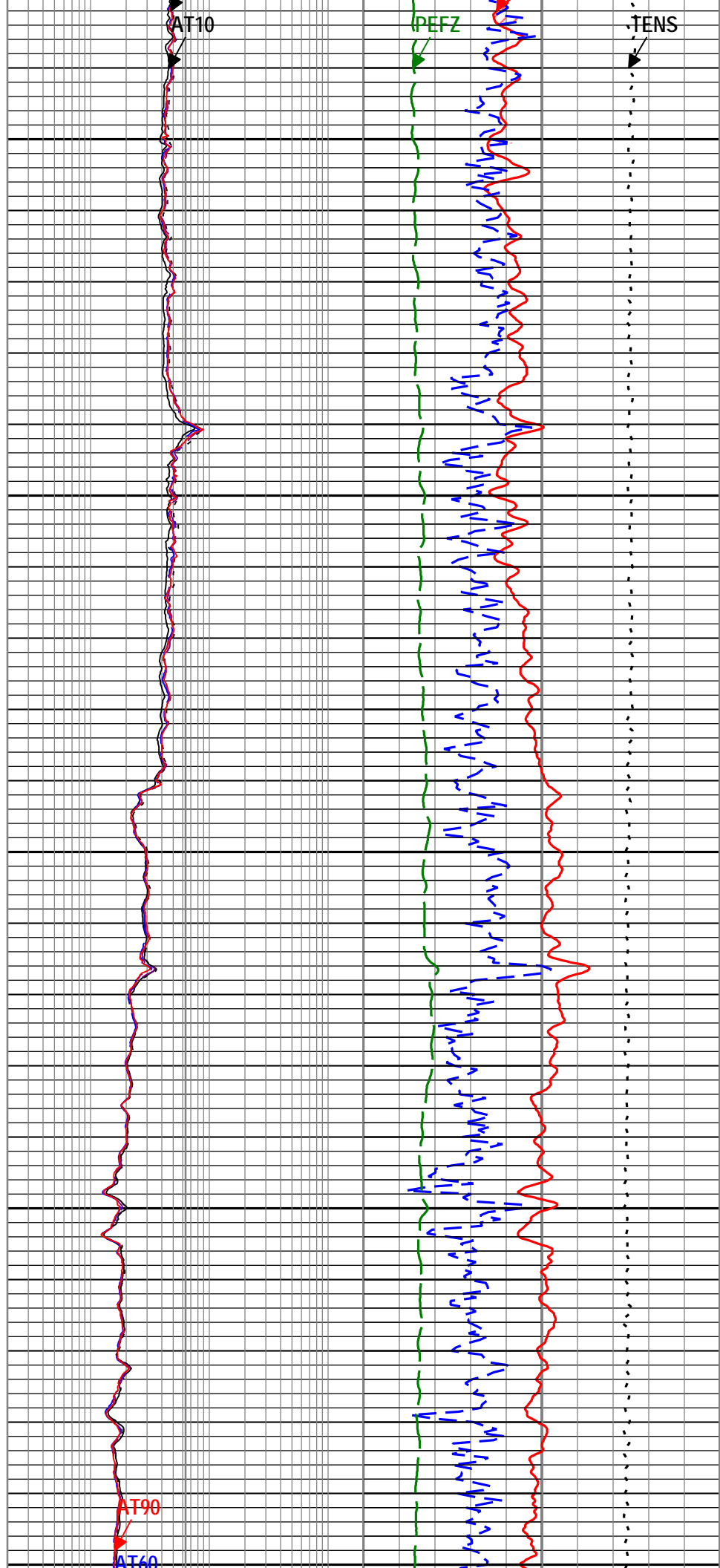
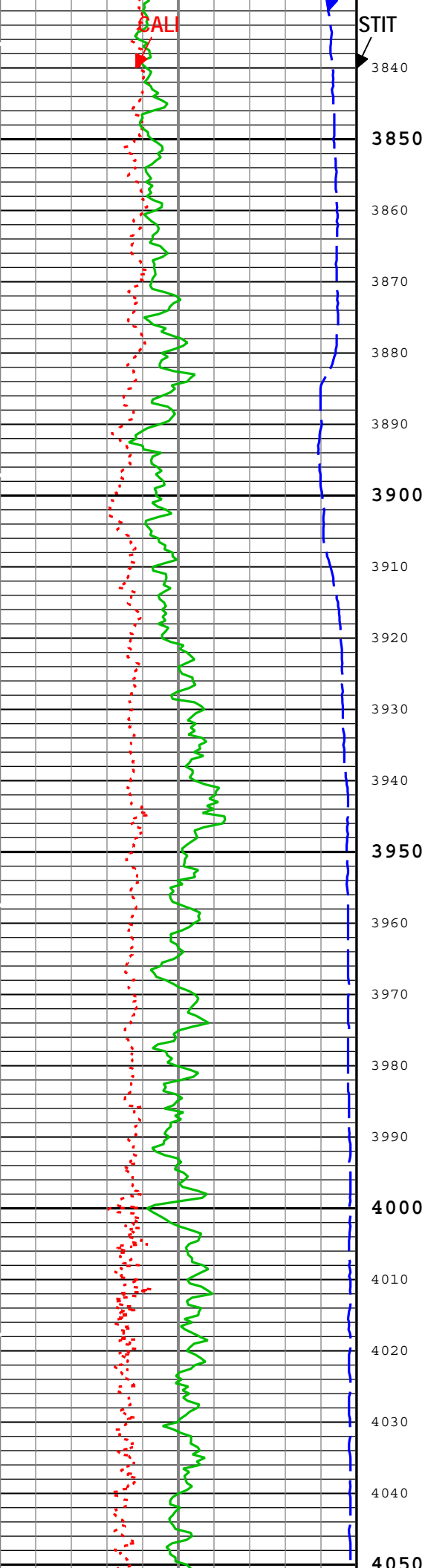


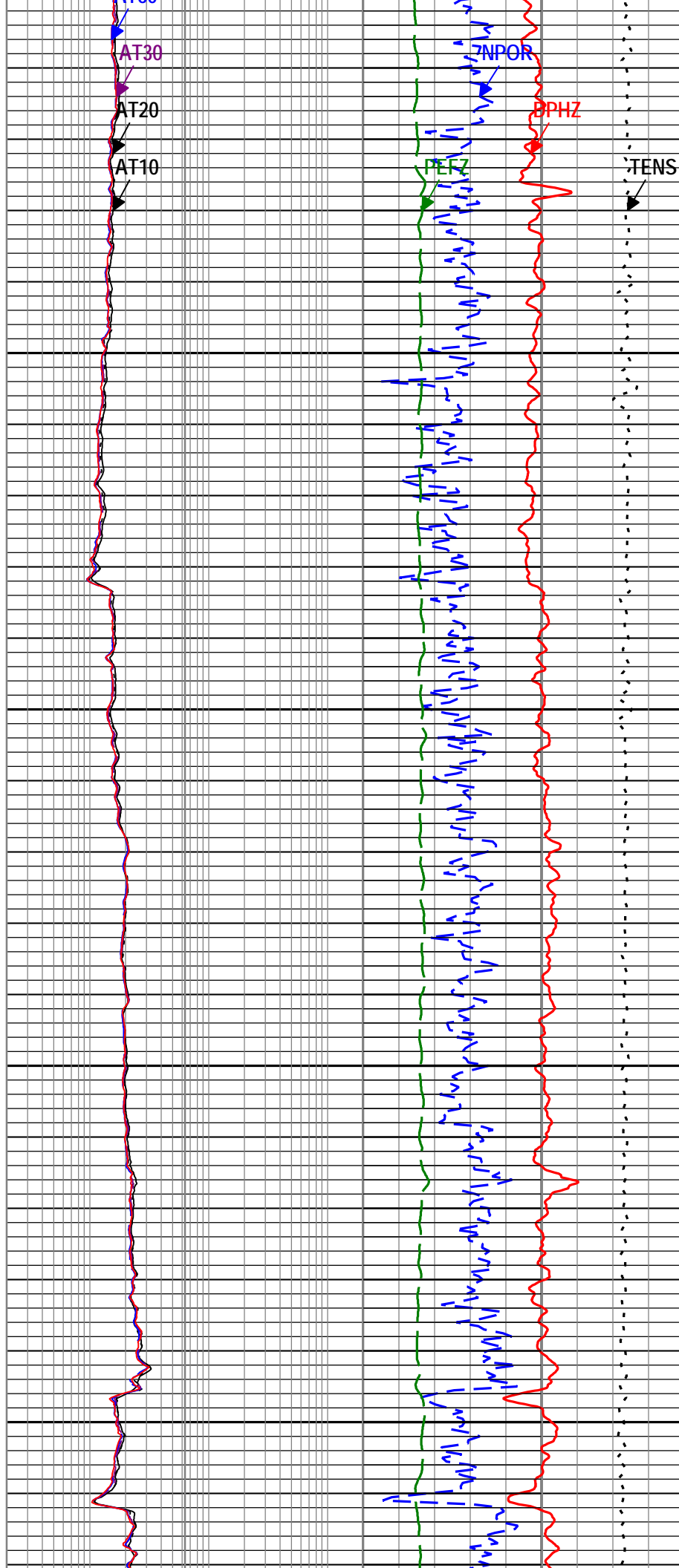
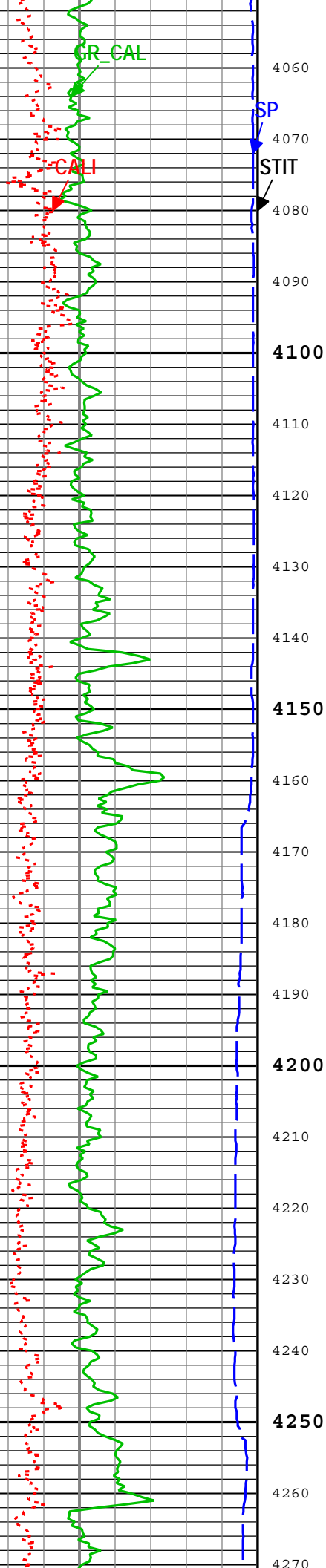


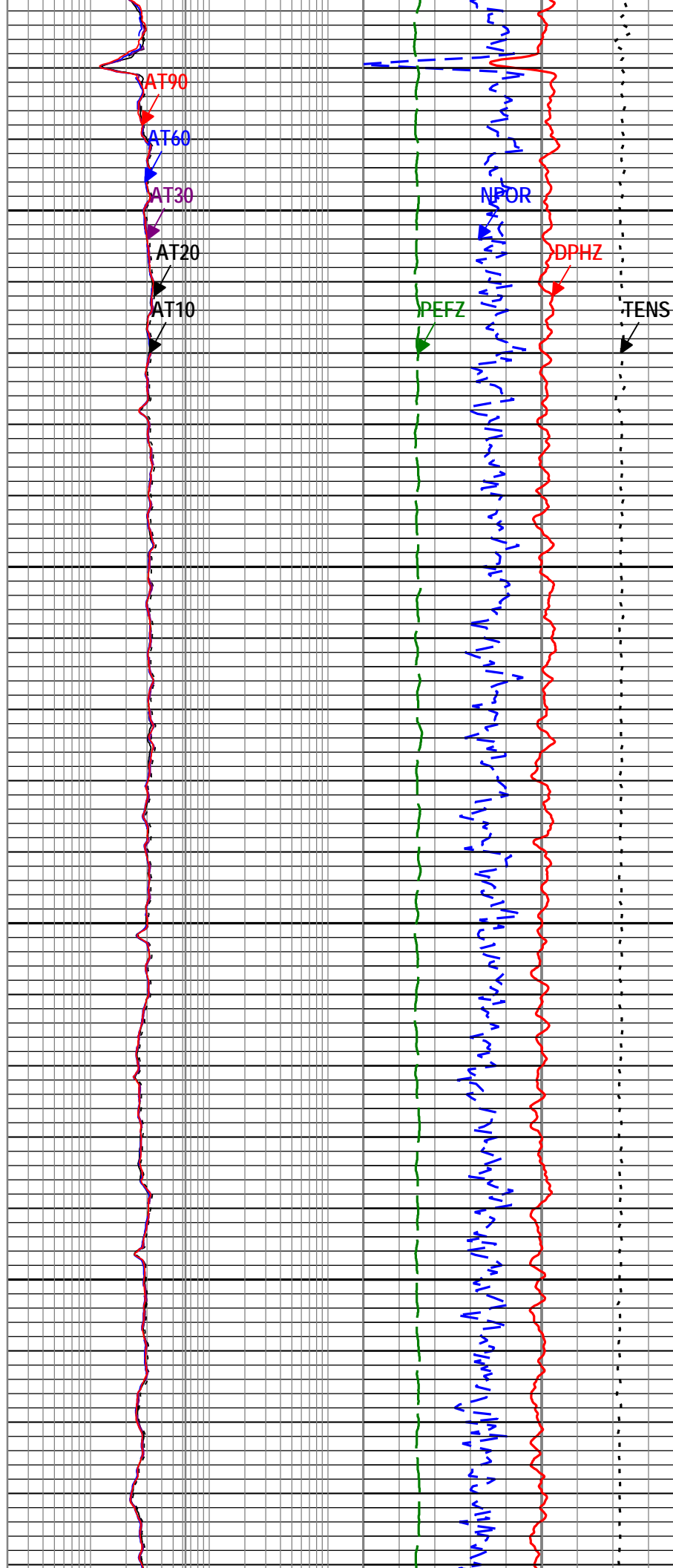
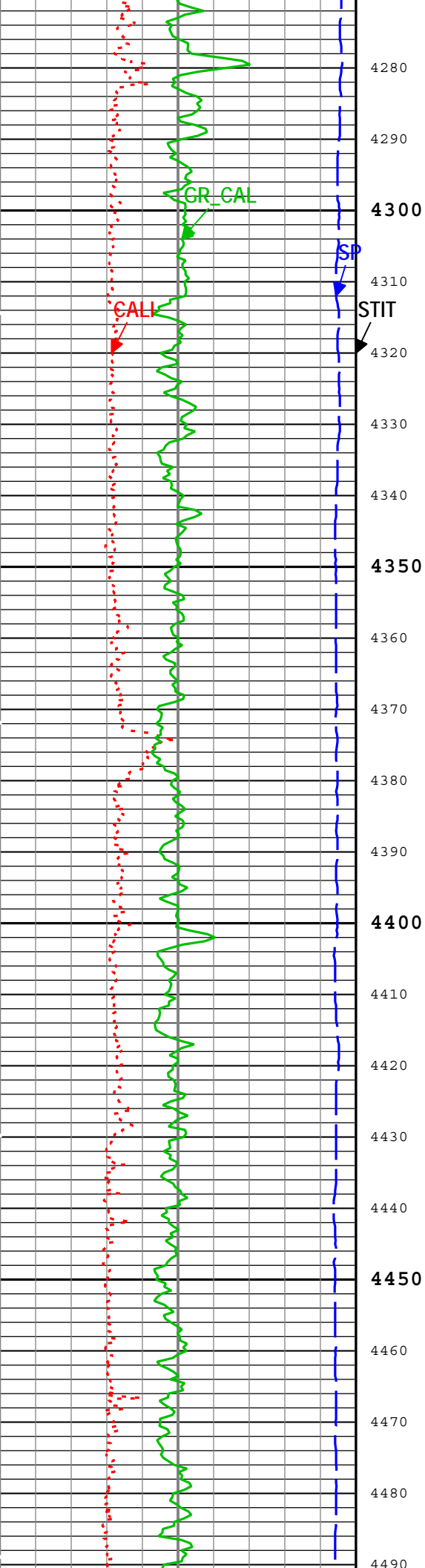


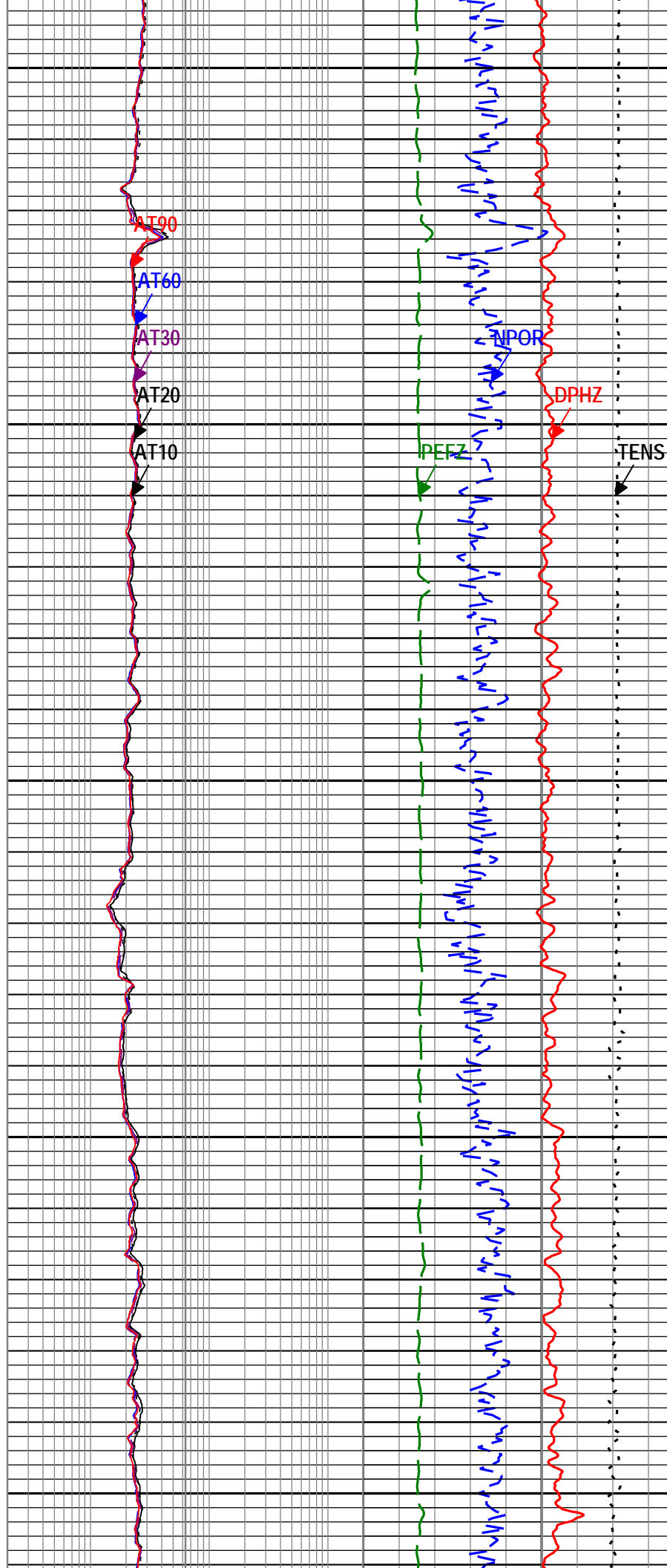
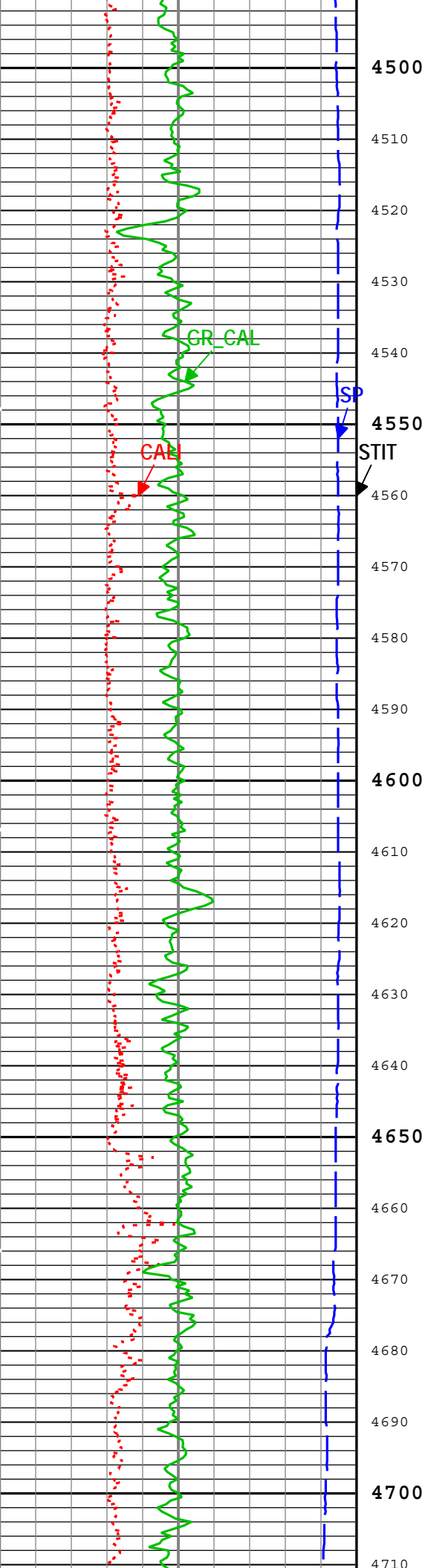


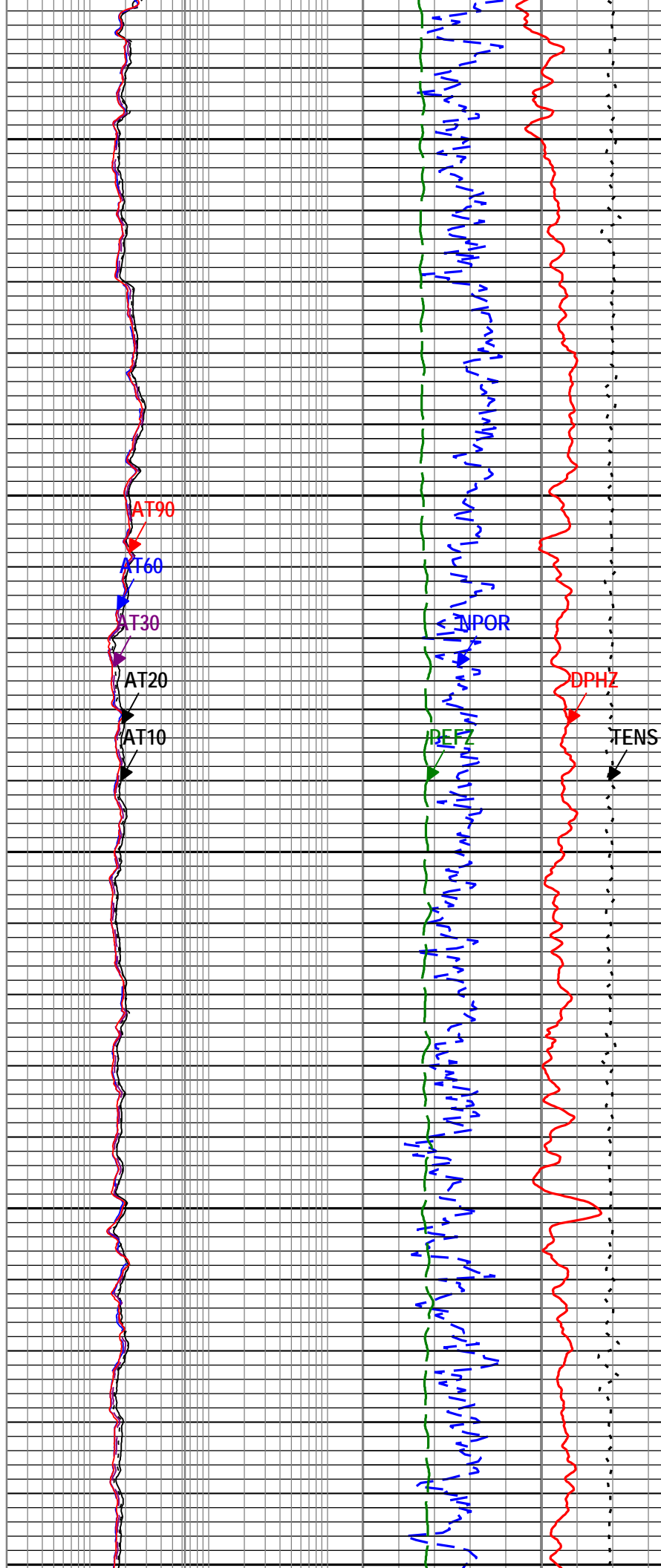
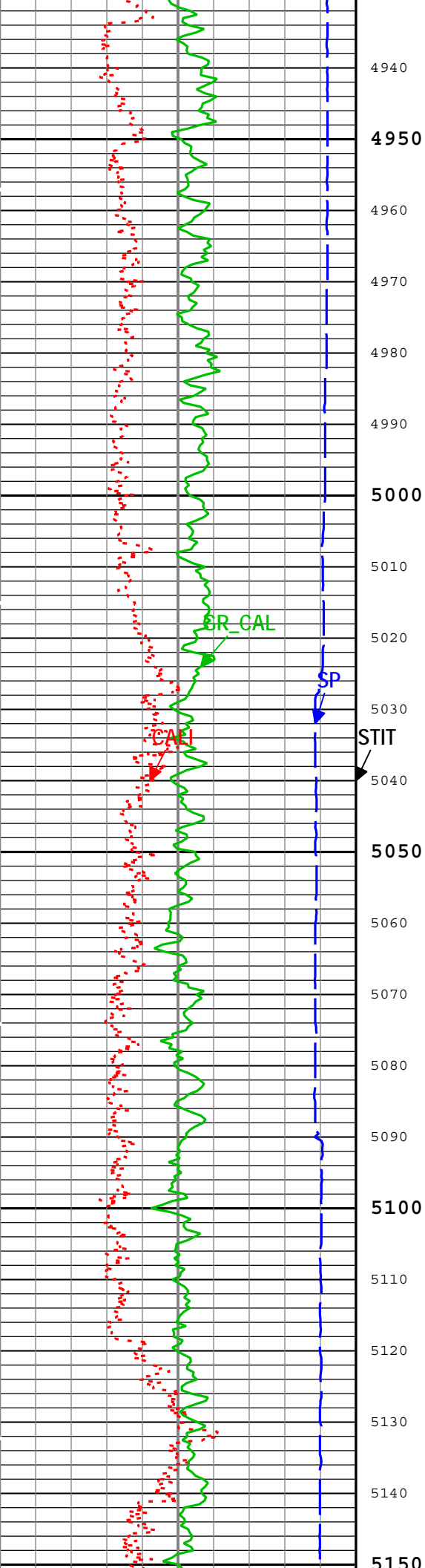


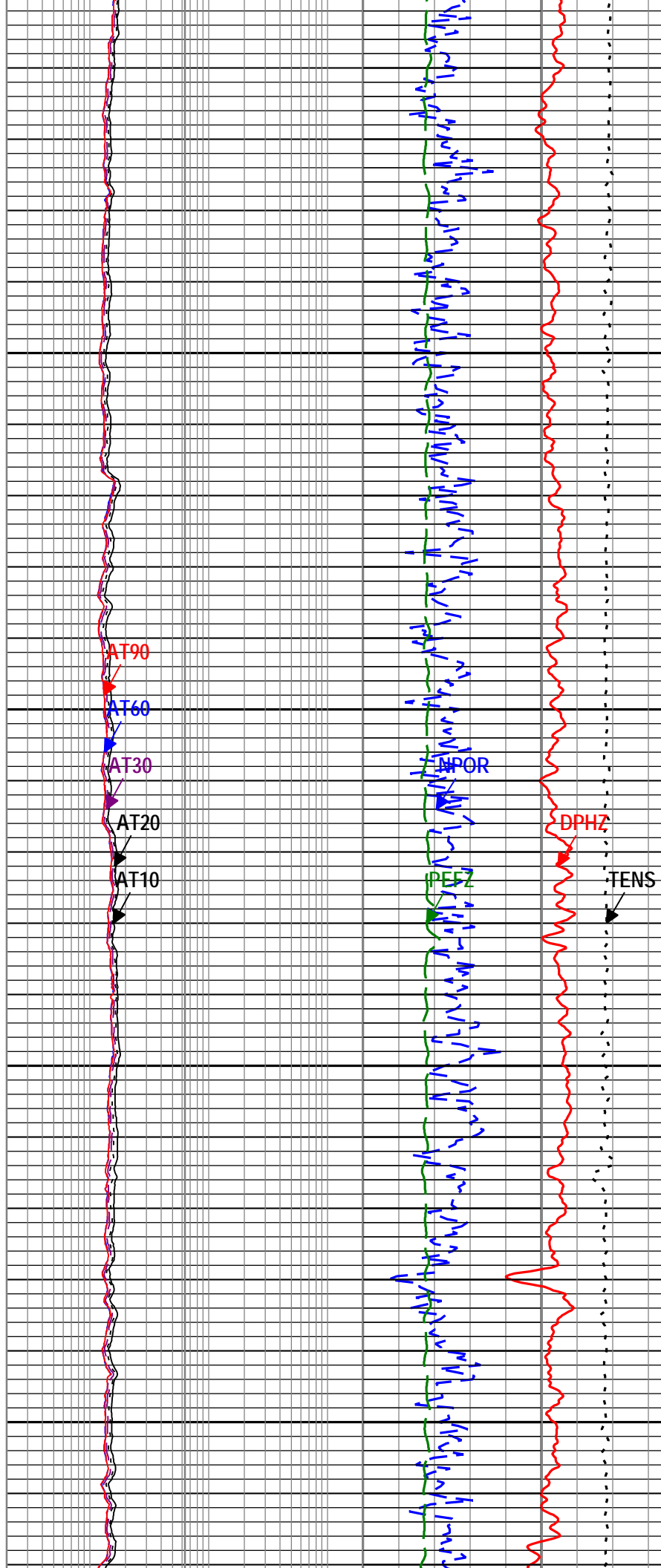
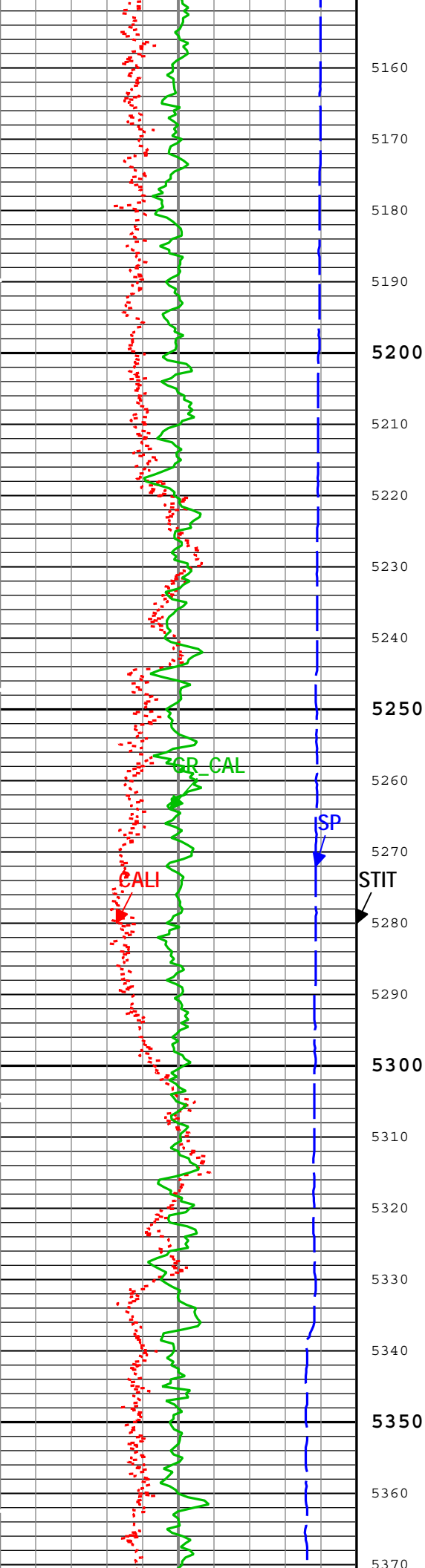


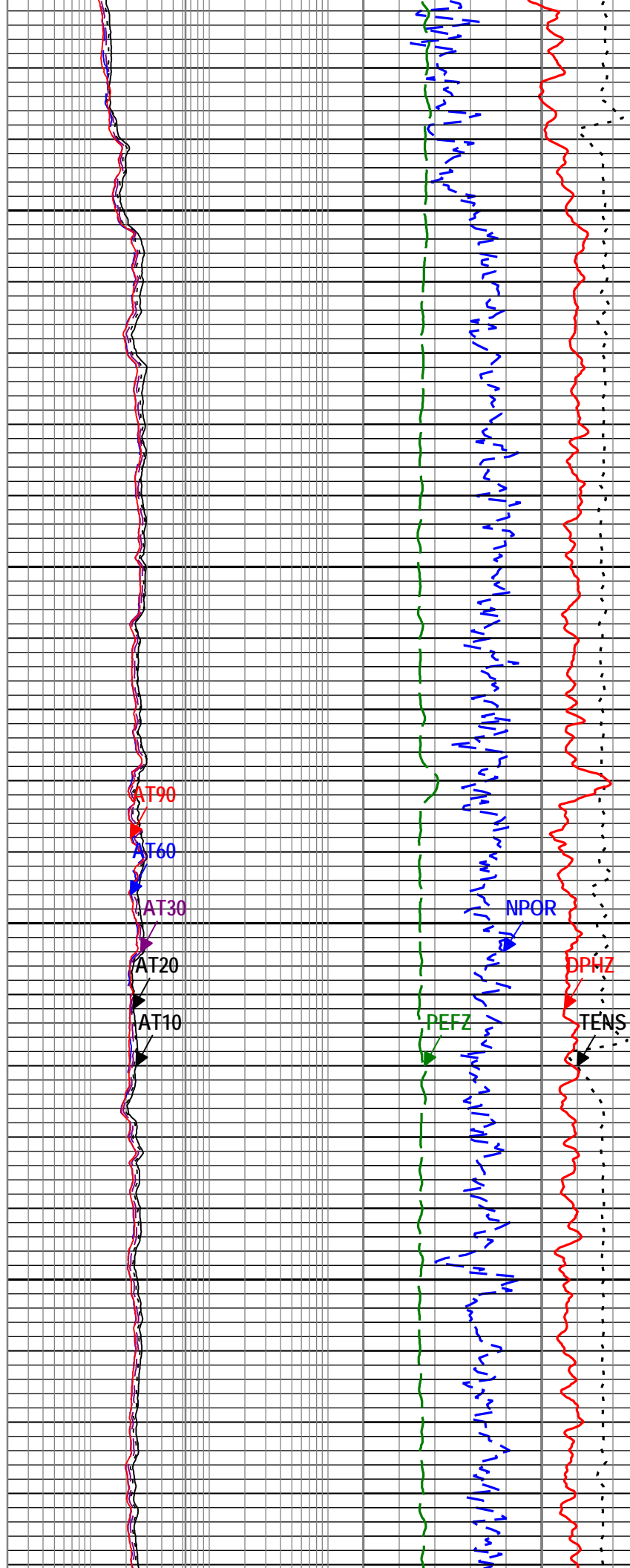
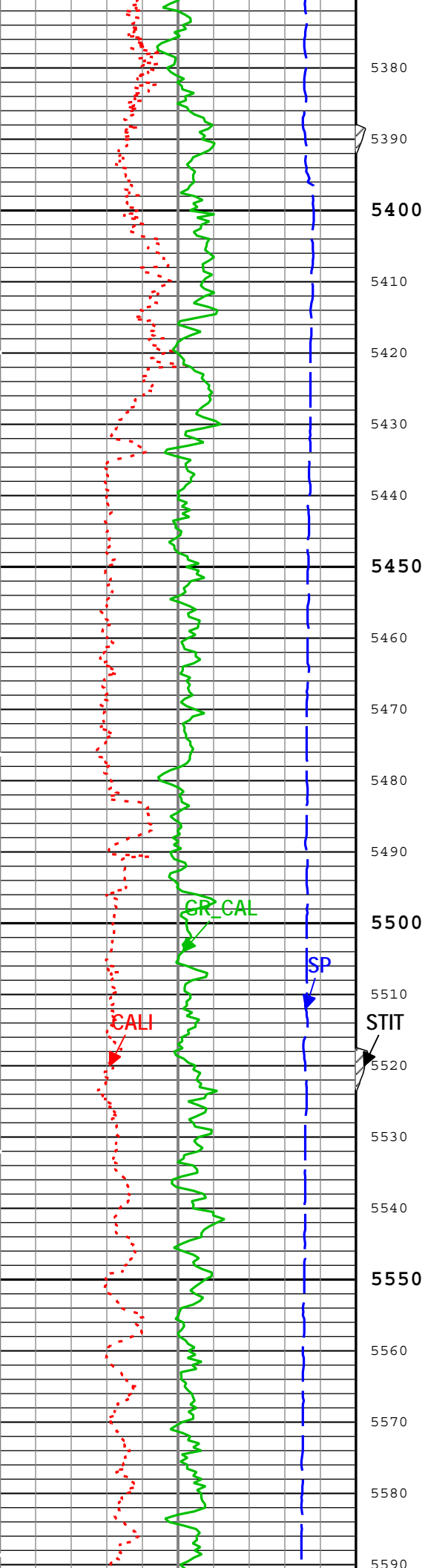


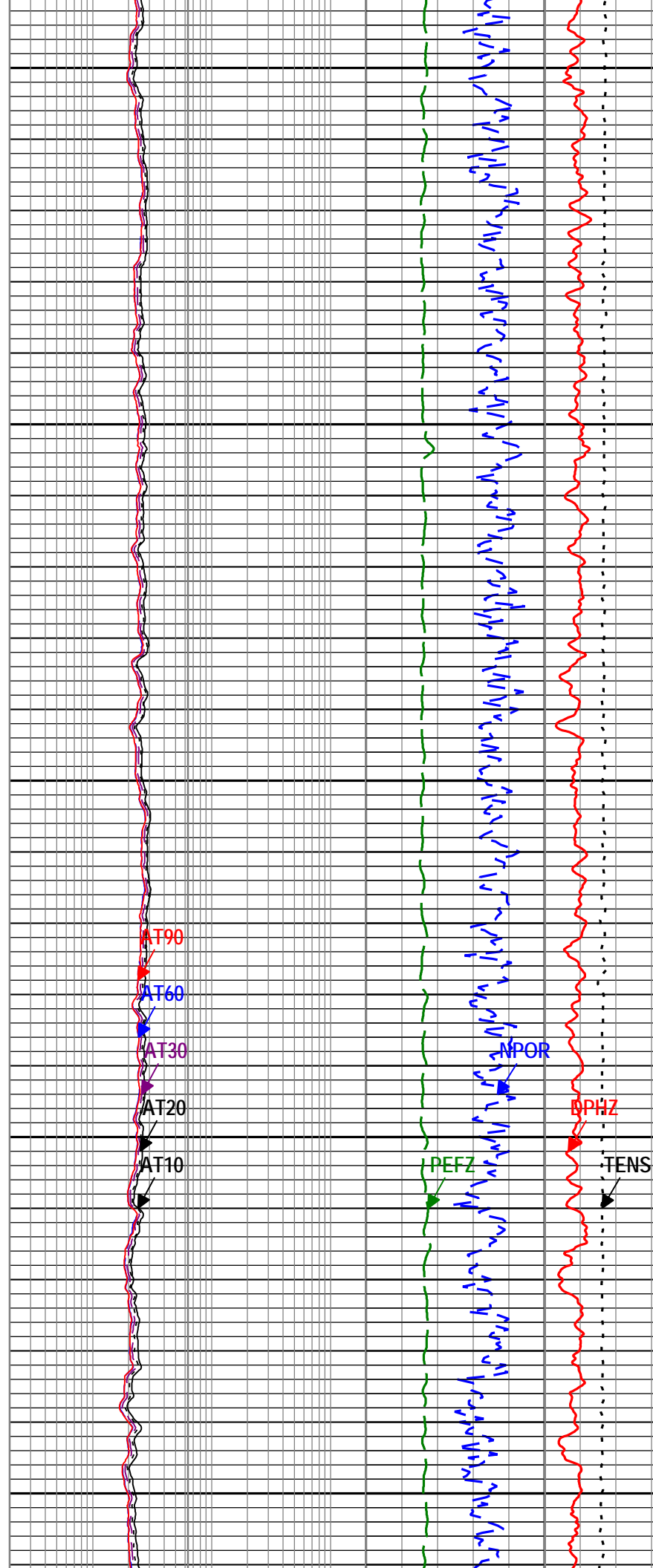
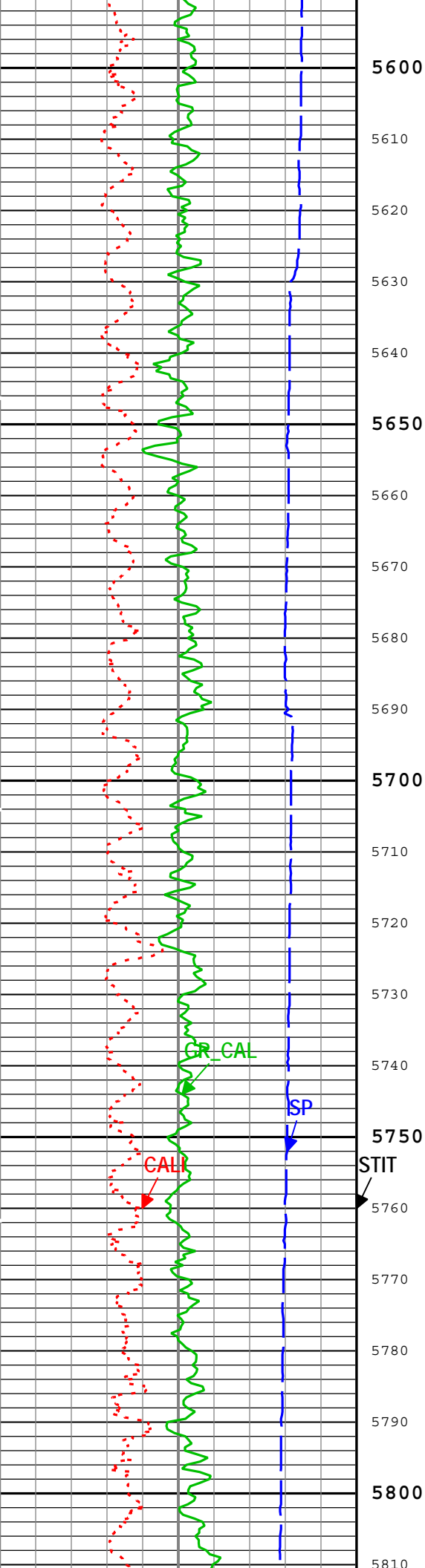


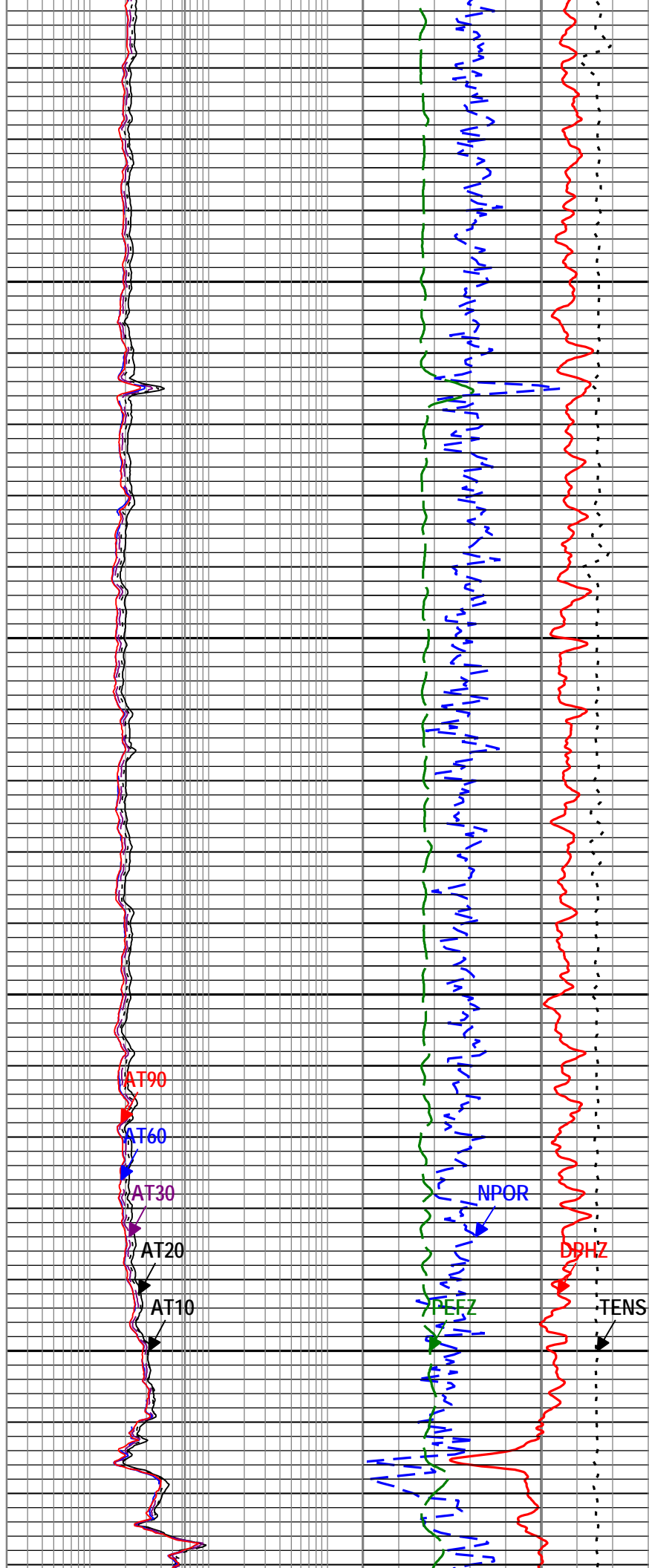
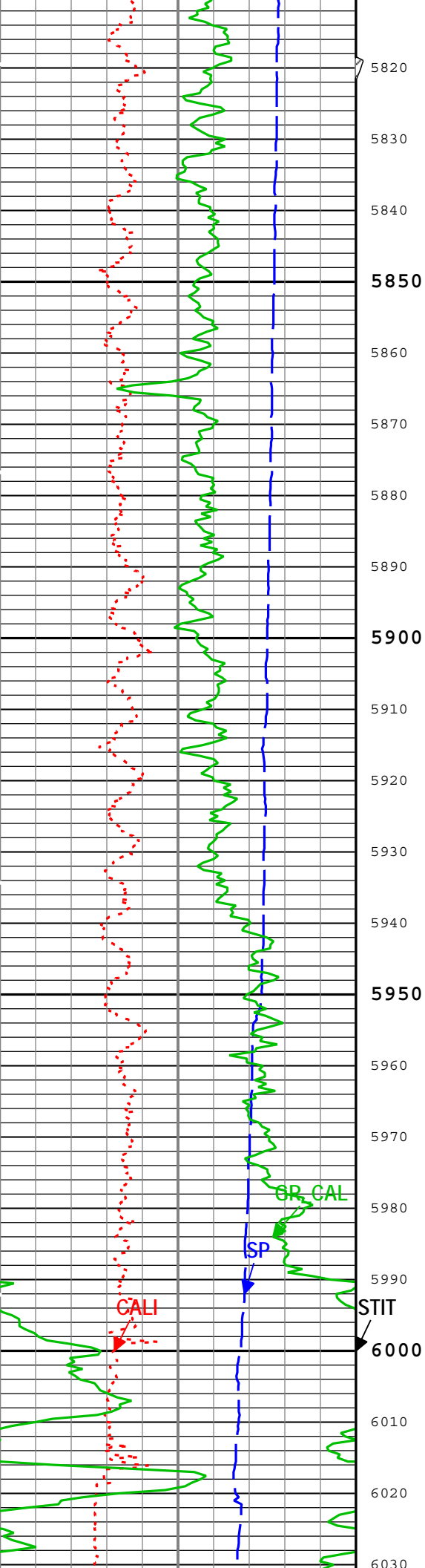


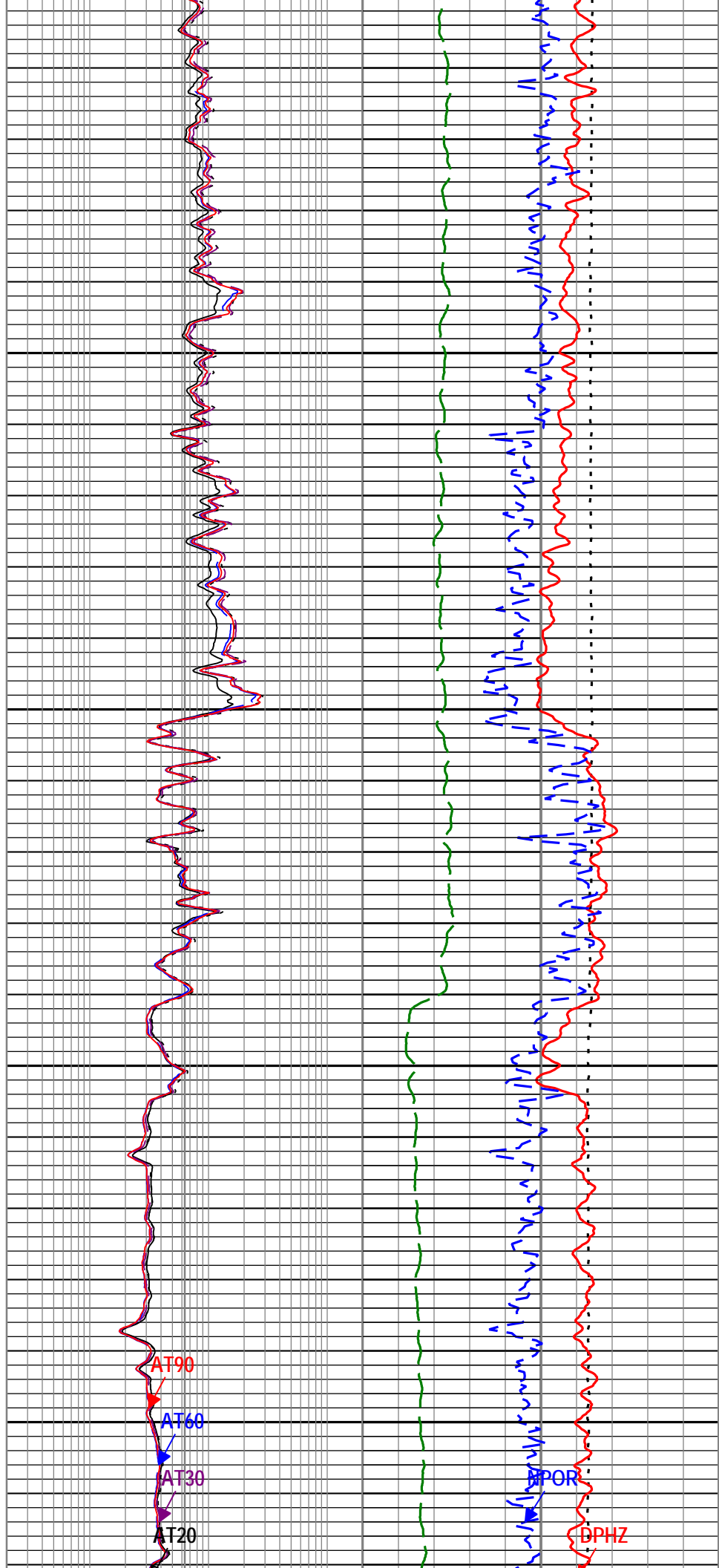
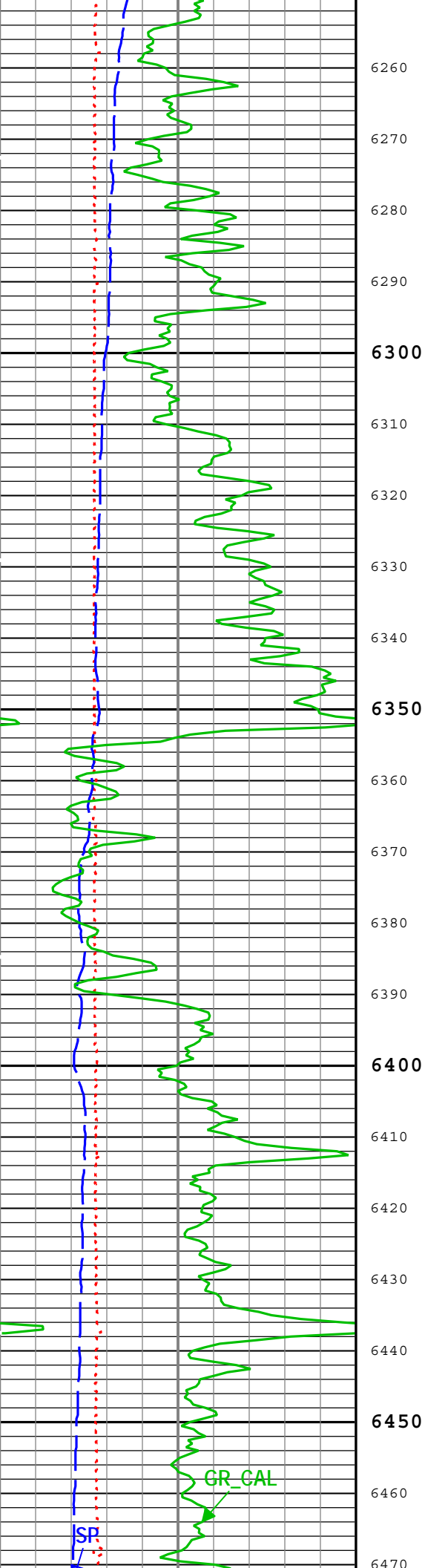


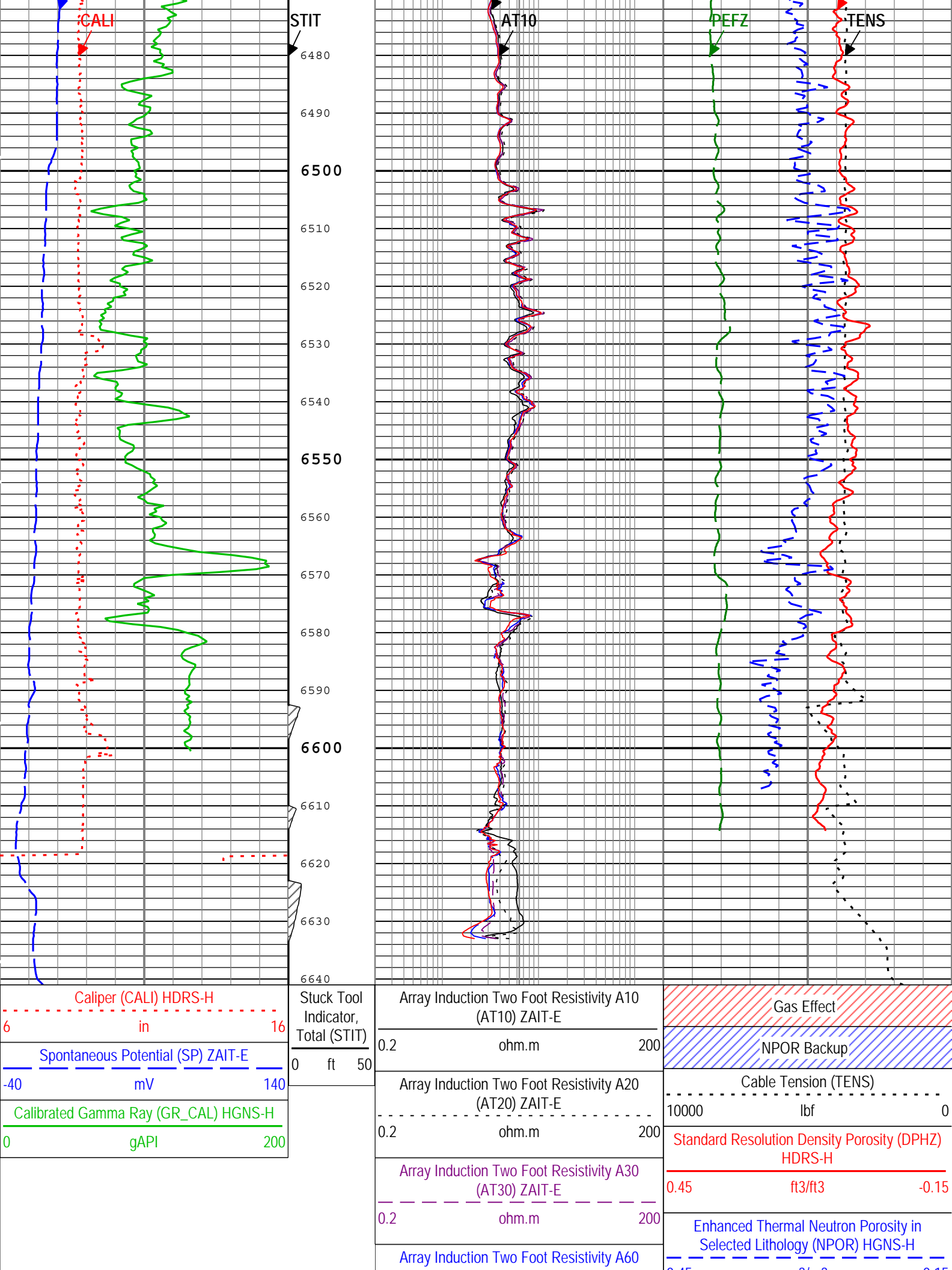












			(AT60) ZAIT-E	0.45	m3/m3	-0.15
0.2	ohm.m		200	Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H		
Array Induction Two Foot Resistivity A90 (AT90) ZAIT-E						
0.2	ohm.m		200	0	10	

TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log (Import of KM 5in Triple Combo) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 31-Aug-2014 02:30:50

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
ABHME	Array Induction Extended Borehole Correction Mode	ZAIT-E	Compute Standoff	
ACDE	Array Induction Casing Detection Enable	ZAIT-E	Yes	
AROT	Array Induction Rotation Selector	ZAIT-E	North	
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	190	degF
BS	Bit Size	WLSESSION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	1000	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0.198	in
CBLO	Casing Bottom (Logger)	WLSESSION	1794	ft
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.3	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DFT_WATER	Drilling Fluid Water Type	Borehole	Polymer	
DHC	Density Hole Correction	HDRS-H	Bit Size	
FD	Fluid Density	Borehole	1	g/cm3
FSAL	Formation Salinity	Borehole	0	ppm
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	CALI	
GRSE	Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity	Borehole	AMF	
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	CTEM	
HSCO	Hole Size Correction Option	HGNS-H	Yes	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	LIMESTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.71	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	75.4	degF
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.91	ohm.m
SOCO	Standoff Correction Option	HGNS-H	Yes	
SPDR	SP Drift Per Foot	ZAIT-E	0	mV/ft
TD	Total Measured Depth	Borehole	6618	ft
USER_LOCB	User-supplied values for Magnetic Flux Density	WLSESSION	53032.22	nT
USER_MDEC	User-supplied values for Magnetic Declination	WLSESSION	8.05	deg
USER_MDIP	User-supplied values for Magnetic Dip Angle	WLSESSION	67.43	deg

Depth Zone Parameters			
Parameter	Value	Start (ft)	Stop (ft)
BS	12.25	19.5	1792
BS	8.75	1792	6624
All depth are actual.			

Tool Control Parameters	
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Parameter	Description	Tool	Value	Unit
HMCA_BRD_TYPE	HMCA Board Type	HGNS-H	1	
HRGD_BRD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	3600	ft/h

One

5" Triple Combo

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Repeat[2]:Up	Up	6322.01 ft	6646.28 ft	30-Aug-2014 6:11:02 PM	30-Aug-2014 6:18:13 PM	ON	5.99 ft	No
One	Log[3]:Up	Up	59.61 ft	6641.24 ft	30-Aug-2014 6:23:41 PM	30-Aug-2014 8:11:43 PM	ON	6.77 ft	No

All depths are referenced to toolstring zero

Log

Company:Whiting Oil and Gas Corporation

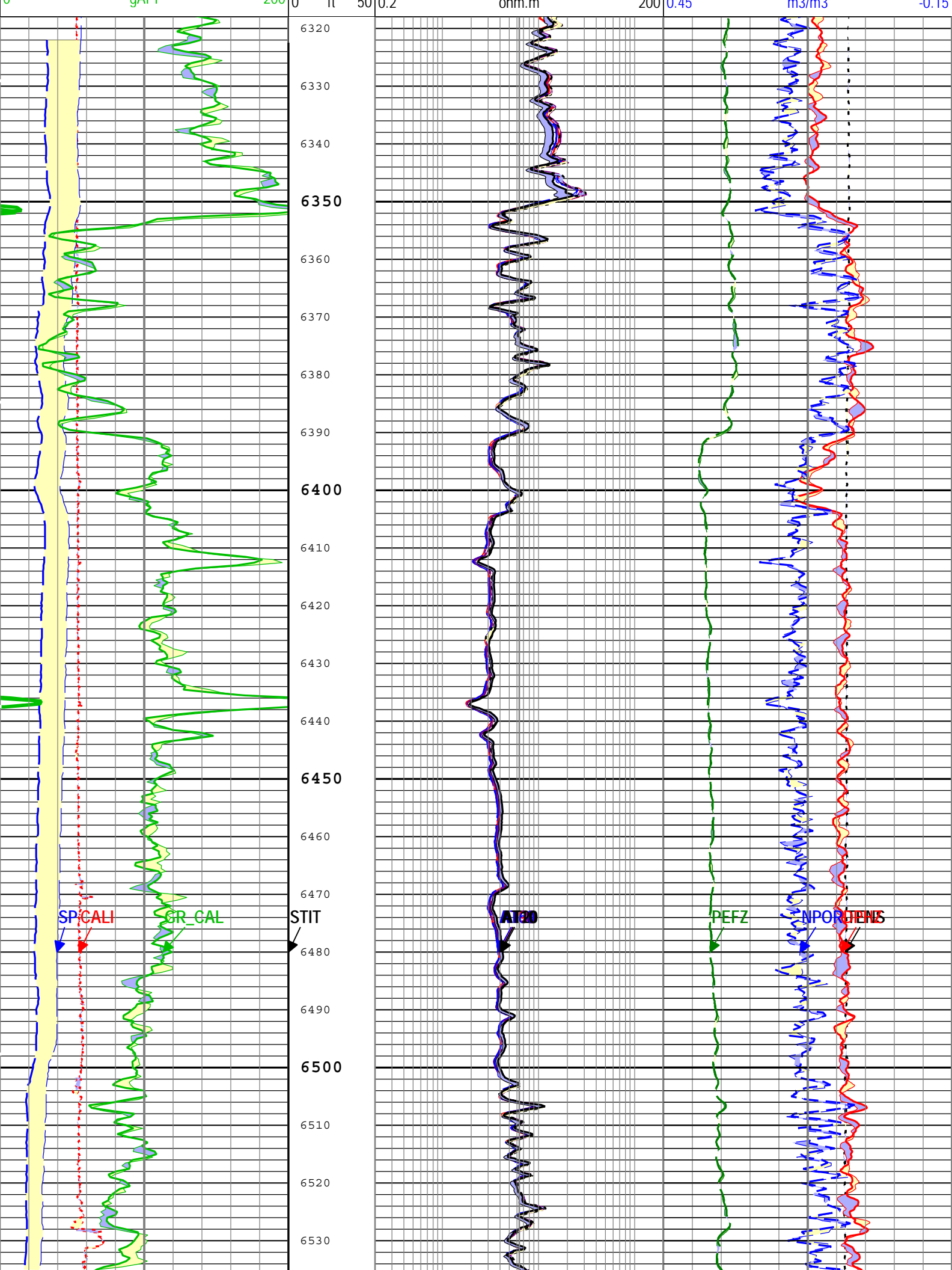
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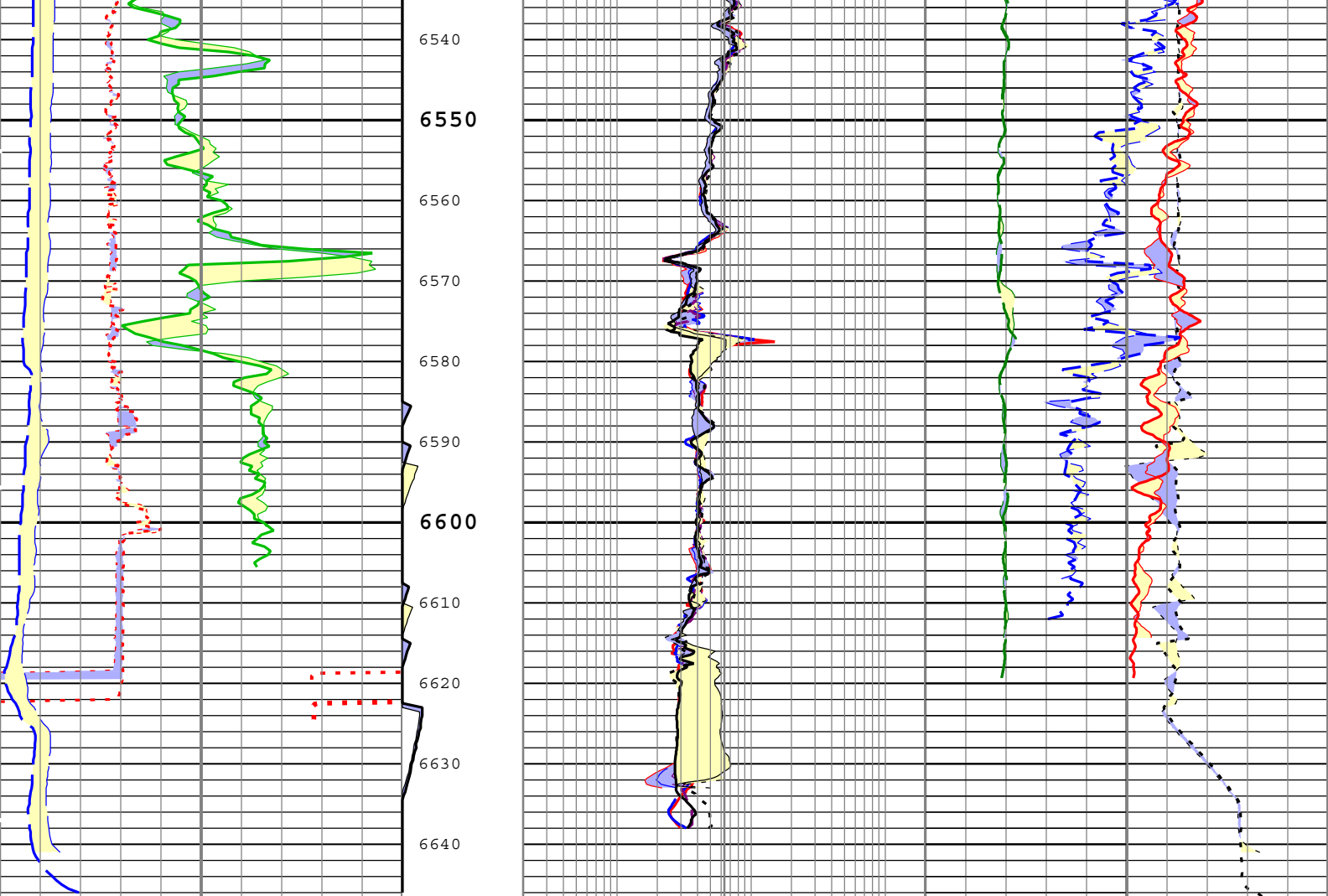
One: Log[3]:Up:S010

Description: HGNS standard resolution porosities for Platform Express Format: Import of KM 5in Triple Combo RA Index Scale: 5 in per 100 ft Index Unit: ft
Index Type: Measured Depth Creation Date: 31-Aug-2014 02:30:53

TIME_1900 - Time Marked every 60.00 (s)

			Main To Repeat								
			Repeat To Main								
			Array Induction Two Foot Resistivity A90 (AT90) ZAIT-E								
			0.2	ohm.m	200	Main To Repeat					
			Main To Repeat			Repeat To Main					
			Repeat To Main			Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H					
			Array Induction Two Foot Resistivity A60 (AT60) ZAIT-E								
			0.2	ohm.m	200						
						0	10				
			Main To Repeat			Main To Repeat					
			Repeat To Main			Repeat To Main					
			Array Induction Two Foot Resistivity A30 (AT30) ZAIT-E			Cable Tension (TENS)					
			0.2	ohm.m	200	10000	lbf	0			
			Main To Repeat			Main To Repeat					
			Repeat To Main			Repeat To Main					
			Array Induction Two Foot Resistivity A20 (AT20) ZAIT-E			Standard Resolution Density Porosity (DPHZ) HDRS-H					
			0.2	ohm.m	200	0.45	ft3/ft3	-0.15			
			Main To Repeat			Main To Repeat					
			Repeat To Main			Repeat To Main					
			Array Induction Two Foot Resistivity A10 (AT10) ZAIT-E			Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H					
			0.2	ohm.m	200	0.45	m3/m3	0.15			





Main To Repeat	Main To Repeat
Repeat To Main	Repeat To Main
Caliper (CALI) HDRS-H	Stuck Tool Indicator, Total (STIT)
6 in 16	0 ft 50
Main To Repeat	
Repeat To Main	
Spontaneous Potential (SP) ZAIT-E	
-40 mV 140	
Main To Repeat	
Repeat To Main	
Calibrated Gamma Ray (GR_CAL) HGNS-H	
0 gAPI 200	

Main To Repeat	Main To Repeat
Repeat To Main	Repeat To Main
Array Induction Two Foot Resistivity A90 (AT90) ZAIT-E	Array Induction Two Foot Resistivity A60 (AT60) ZAIT-E
0.2 ohm.m 200	0.2 ohm.m 200
Main To Repeat	Main To Repeat
Repeat To Main	Repeat To Main
Array Induction Two Foot Resistivity A30 (AT30) ZAIT-E	Array Induction Two Foot Resistivity A20 (AT20) ZAIT-E
0.2 ohm.m 200	0.2 ohm.m 200
Main To Repeat	
Repeat To Main	
Array Induction Two Foot Resistivity A20 (AT20) ZAIT-E	
0.2 ohm.m 200	

Main To Repeat	Main To Repeat
Repeat To Main	Repeat To Main
Cable Tension (TENS)	Standard Resolution Density Porosity (DPHZ) HDRS-H
10000 lbf 0	0.45 ft3/ft3 -0.15
Main To Repeat	Main To Repeat
Repeat To Main	Repeat To Main
Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H	Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H
0.45 m3/m3 -0.15	
Main To Repeat	
Repeat To Main	
Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H	

	Main To Repeat		0	10
	Repeat To Main			
	Array Induction Two Foot Resistivity A10 (AT10) ZAIT-E			
	0.2	ohm.m	200	

TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Import of KM 5in Triple Combo RA Index Scale: 5 in per 100 ft Index Unit: ft
Index Type: Measured Depth Creation Date: 31-Aug-2014 02:30:53

Calibration Report

ZAIT-E (Array Induction Tool - ZE) Calibration - Run One

Primary Equipment :

20 kpi sonde - V8

AZIS

99

AIT Master Calibration - Test Loop Gain

Master (EEPROM): 03:09:36 14-Dec-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Test Loop Gain - 0		Master	1.000	----	1.011	----		
Test Loop Phase - 0	deg	Master	0	----	-0.430	----		
Test Loop Gain - 1		Master	1.000	----	0.998	----		
Test Loop Phase - 1	deg	Master	0	----	0.422	----		
Test Loop Gain - 2		Master	1.000	----	0.999	----		
Test Loop Phase - 2	deg	Master	0	----	0.019	----		
Test Loop Gain - 3		Master	1.000	----	1.076	----		
Test Loop Phase - 3	deg	Master	0	----	-0.073	----		
Test Loop Gain - 4		Master	1.000	----	1.061	----		
Test Loop Phase - 4	deg	Master	0	----	0.570	----		
Test Loop Gain - 5		Master	1.000	----	1.004	----		
Test Loop Phase - 5	deg	Master	0	----	0.013	----		
Test Loop Gain - 6		Master	1.000	----	0.998	----		
Test Loop Phase - 6	deg	Master	0	----	-0.091	----		
Test Loop Gain - 7		Master	1.000	----	1.004	----		
Test Loop Phase - 7	deg	Master	0	----	0.278	----		
Test Loop Gain - 8		Master	1.000	----	1.001	----		
Test Loop Phase - 8	deg	Master	0	----	-0.519	----		
Test Loop Gain - 9		Master	1.000	----	0.962	----		
Test Loop Phase - 9	deg	Master	0	----	0.063	----		
Test Loop Gain - 10		Master	1.000	----	1.042	----		
Test Loop Phase - 10	deg	Master	0	----	2.148	----		
Test Loop Gain - 11		Master	1.000	----	1.029	----		
Test Loop Phase - 11	deg	Master	0	----	-0.219	----		
Test Loop Gain - 12		Master	1.000	----	0.941	----		
Test Loop Phase - 12	deg	Master	0	----	0.426	----		
Test Loop Gain - 13		Master	1.000	----	0.961	----		
Test Loop Phase - 13	deg	Master	0	----	0.325	----		
Test Loop Gain - 14		Master	1.000	----	1.021	----		
Test Loop Phase - 14	deg	Master	0	----	-0.022	----		
Test Loop Gain - 15		Master	1.000	----	1.016	----		
Test Loop Phase - 15	deg	Master	0	----	-1.359	----		
Test Loop Gain - 16		Master	1.000	----	1.019	----		
Test Loop Phase - 16	deg	Master	0	----	-1.108	----		
Test Loop Gain - 17		Master	1.000	----	1.006	----		
Test Loop Phase - 17	deg	Master	0	----	-0.446	----		
Test Loop Gain - 18		Master	1.000	----	0.947	----		
Test Loop Phase - 18	deg	Master	0	----	0.095	----		
Test Loop Gain - 19		Master	1.000	----	1.026	----		
Test Loop Phase - 19	deg	Master	0	----	1.393	----		
Test Loop Gain - 20		Master	1.000	----	1.027	----		
Test Loop Phase - 20	deg	Master	0	----	-0.128	----		
Test Loop Gain - 21		Master	1.000	----	0.930	----		

Test Loop Phase - 21		deg	Master	0	----	0.682	----		
Test Loop Gain - 22			Master	1.000	----	0.952	----		
Test Loop Phase - 22		deg	Master	0	----	0.582	----		
Test Loop Gain - 23			Master	1.000	----	1.018	----		
Test Loop Phase - 23		deg	Master	0	----	0.269	----		
Test Loop Gain - 24			Master	1.000	----	1.039	----		
Test Loop Phase - 24		deg	Master	0	----	-0.917	----		
Test Loop Gain - 25			Master	1.000	----	1.047	----		
Test Loop Phase - 25		deg	Master	0	----	-0.674	----		
Test Loop Gain - 26			Master	1.000	----	1.010	----		
Test Loop Phase - 26		deg	Master	0	----	-0.455	----		
Test Loop Gain - 27			Master	1.000	----	0.975	----		
Test Loop Phase - 27		deg	Master	0	----	1.354	----		
Test Loop Gain - 28			Master	1.000	----	1.004	----		
Test Loop Phase - 28		deg	Master	0	----	0.797	----		
Test Loop Gain - 29			Master	1.000	----	1.026	----		
Test Loop Phase - 29		deg	Master	0	----	0.636	----		
Test Loop Gain - 30			Master	1.000	----	0.971	----		
Test Loop Phase - 30		deg	Master	0	----	1.508	----		
Test Loop Gain - 31			Master	1.000	----	0.966	----		
Test Loop Phase - 31		deg	Master	0	----	1.665	----		
Test Loop Gain - 32			Master	1.000	----	1.014	----		
Test Loop Phase - 32		deg	Master	0	----	0.636	----		
Test Loop Gain - 33			Master	1.000	----	1.050	----		
Test Loop Phase - 33		deg	Master	0	----	1.257	----		
Test Loop Gain - 34			Master	1.000	----	1.044	----		
Test Loop Phase - 34		deg	Master	0	----	1.580	----		
Test Loop Gain - 35			Master	1.000	----	1.004	----		
Test Loop Phase - 35		deg	Master	0	----	-0.292	----		
Test Loop Gain - 36			Master	1.000	----	0.977	----		
Test Loop Phase - 36		deg	Master	0	----	0.135	----		
Test Loop Gain - 37			Master	1.000	----	1.010	----		
Test Loop Phase - 37		deg	Master	0	----	-0.204	----		
Test Loop Gain - 38			Master	1.000	----	1.022	----		
Test Loop Phase - 38		deg	Master	0	----	0.374	----		
Test Loop Gain - 39			Master	1.000	----	0.970	----		
Test Loop Phase - 39		deg	Master	0	----	0.443	----		
Test Loop Gain - 40			Master	1.000	----	0.965	----		
Test Loop Phase - 40		deg	Master	0	----	0.586	----		
Test Loop Gain - 41			Master	1.000	----	1.005	----		
Test Loop Phase - 41		deg	Master	0	----	0.614	----		
Test Loop Gain - 42			Master	1.000	----	1.047	----		
Test Loop Phase - 42		deg	Master	0	----	-0.031	----		
Test Loop Gain - 43			Master	1.000	----	1.042	----		
Test Loop Phase - 43		deg	Master	0	----	0.135	----		
Test Loop Gain - 44			Master	1.000	----	1.000	----		
Test Loop Phase - 44		deg	Master	0	----	-0.333	----		
Test Loop Gain - 45			Master	1.000	----	1.052	----		
Test Loop Phase - 45		deg	Master	0	----	0.026	----		
Test Loop Gain - 46			Master	1.000	----	1.081	----		
Test Loop Phase - 46		deg	Master	0	----	0.486	----		
Test Loop Gain - 47			Master	1.000	----	1.018	----		
Test Loop Phase - 47		deg	Master	0	----	-0.177	----		
Test Loop Gain - 48			Master	1.000	----	1.036	----		
Test Loop Phase - 48		deg	Master	0	----	0.431	----		
Test Loop Gain - 49			Master	1.000	----	1.051	----		
Test Loop Phase - 49		deg	Master	0	----	0.294	----		
Test Loop Gain - 50			Master	1.000	----	1.027	----		
Test Loop Phase - 50		deg	Master	0	----	0.175	----		
Test Loop Gain - 51			Master	1.000	----	1.031	----		
Test Loop Phase - 51		deg	Master	0	----	-0.083	----		
Test Loop Gain - 52			Master	1.000	----	1.037	----		
Test Loop Phase - 52		deg	Master	0	----	0.005	----		
Test Loop Gain - 53			Master	1.000	----	1.015	----		
Test Loop Phase - 53		deg	Master	0	----	-0.134	----		

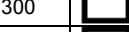
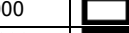
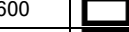
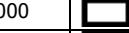
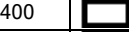



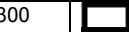

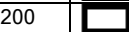
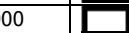
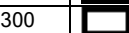
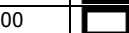
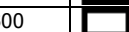

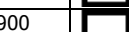

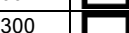
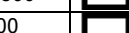

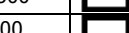

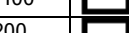
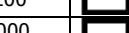
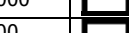
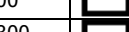
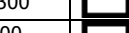
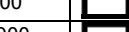


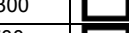
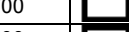
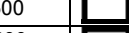
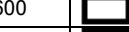
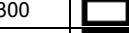
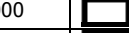
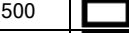
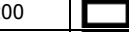
Test Loop Gain - 54		Master	1.000	----	1.044	----		
Test Loop Phase - 54	deg	Master	0	----	-0.634	----		
Test Loop Gain - 55		Master	1.000	----	1.071	----		
Test Loop Phase - 55	deg	Master	0	----	-0.285	----		
Test Loop Gain - 56		Master	1.000	----	1.016	----		
Test Loop Phase - 56	deg	Master	0	----	-0.810	----		
Test Loop Gain - 57		Master	1.000	----	1.025	----		
Test Loop Phase - 57	deg	Master	0	----	-0.156	----		
Test Loop Gain - 58		Master	1.000	----	1.039	----		
Test Loop Phase - 58	deg	Master	0	----	-0.189	----		
Test Loop Gain - 59		Master	1.000	----	1.021	----		
Test Loop Phase - 59	deg	Master	0	----	-0.361	----		
Test Loop Gain - 60		Master	1.000	----	1.026	----		
Test Loop Phase - 60	deg	Master	0	----	-0.948	----		
Test Loop Gain - 61		Master	1.000	----	1.033	----		
Test Loop Phase - 61	deg	Master	0	----	-0.884	----		
Test Loop Gain - 62		Master	1.000	----	1.016	----		
Test Loop Phase - 62	deg	Master	0	----	-1.036	----		
Test Loop Gain - 63		Master	1.000	----	1.050	----		
Test Loop Phase - 63	deg	Master	0	----	0.049	----		
Test Loop Gain - 64		Master	1.000	----	1.035	----		
Test Loop Phase - 64	deg	Master	0	----	0.782	----		
Test Loop Gain - 65		Master	1.000	----	1.036	----		
Test Loop Phase - 65	deg	Master	0	----	0.193	----		
Test Loop Gain - 66		Master	1.000	----	1.075	----		
Test Loop Phase - 66	deg	Master	0	----	0.406	----		
Test Loop Gain - 67		Master	1.000	----	1.044	----		
Test Loop Phase - 67	deg	Master	0	----	0.233	----		
Test Loop Gain - 68		Master	1.000	----	1.025	----		
Test Loop Phase - 68	deg	Master	0	----	0.391	----		
Test Loop Gain - 69		Master	1.000	----	1.027	----		
Test Loop Phase - 69	deg	Master	0	----	-0.215	----		
Test Loop Gain - 70		Master	1.000	----	1.029	----		
Test Loop Phase - 70	deg	Master	0	----	-0.177	----		
Test Loop Gain - 71		Master	1.000	----	1.017	----		
Test Loop Phase - 71	deg	Master	0	----	-0.094	----		
Test Loop Gain - 72		Master	1.000	----	1.028	----		
Test Loop Phase - 72	deg	Master	0	----	-0.720	----		
Test Loop Gain - 73		Master	1.000	----	1.012	----		
Test Loop Phase - 73	deg	Master	0	----	-0.453	----		
Test Loop Gain - 74		Master	1.000	----	1.034	----		
Test Loop Phase - 74	deg	Master	0	----	-0.576	----		
Test Loop Gain - 75		Master	1.000	----	1.047	----		
Test Loop Phase - 75	deg	Master	0	----	-0.294	----		
Test Loop Gain - 76		Master	1.000	----	1.018	----		
Test Loop Phase - 76	deg	Master	0	----	-0.364	----		
Test Loop Gain - 77		Master	1.000	----	1.021	----		
Test Loop Phase - 77	deg	Master	0	----	-0.228	----		
Test Loop Gain - 78		Master	1.000	----	1.008	----		
Test Loop Phase - 78	deg	Master	0	----	-1.068	----		
Test Loop Gain - 79		Master	1.000	----	1.011	----		
Test Loop Phase - 79	deg	Master	0	----	-1.050	----		
Test Loop Gain - 80		Master	1.000	----	1.019	----		
Test Loop Phase - 80	deg	Master	0	----	-0.902	----		
Test Loop Gain - 81		Master	1.000	----	1.015	----		
Test Loop Phase - 81	deg	Master	0	----	-0.076	----		
Test Loop Gain - 82		Master	1.000	----	1.015	----		
Test Loop Phase - 82	deg	Master	0	----	-0.150	----		
Test Loop Gain - 83		Master	1.000	----	1.025	----		
Test Loop Phase - 83	deg	Master	0	----	0.063	----		
Test Loop Gain - 84		Master	1.000	----	1.027	----		
Test Loop Phase - 84	deg	Master	0	----	-0.071	----		
Test Loop Gain - 85		Master	1.000	----	1.014	----		
Test Loop Phase - 85	deg	Master	0	----	0.165	----		
Test Loop Gain - 86		Master	1.000	----	1.012	----		

Test Loop Phase - 86	deg	Master	0	----	0.194	----	
Test Loop Gain - 87		Master	1.000	----	1.042	----	
Test Loop Phase - 87	deg	Master	0	----	-0.408	----	
Test Loop Gain - 88		Master	1.000	----	1.033	----	
Test Loop Phase - 88	deg	Master	0	----	0.024	----	
Test Loop Gain - 89		Master	1.000	----	1.025	----	
Test Loop Phase - 89	deg	Master	0	----	-0.273	----	
Test Loop Gain - 90		Master	1.000	----	0.999	----	
Test Loop Phase - 90	deg	Master	0	----	-0.638	----	
Test Loop Gain - 91		Master	1.000	----	1.001	----	
Test Loop Phase - 91	deg	Master	0	----	-0.680	----	
Test Loop Gain - 92		Master	1.000	----	1.019	----	
Test Loop Phase - 92	deg	Master	0	----	-0.525	----	
Test Loop Gain - 93		Master	1.000	----	1.012	----	
Test Loop Phase - 93	deg	Master	0	----	-0.333	----	
Test Loop Gain - 94		Master	1.000	----	0.999	----	
Test Loop Phase - 94	deg	Master	0	----	-0.135	----	
Test Loop Gain - 95		Master	1.000	----	1.004	----	
Test Loop Phase - 95	deg	Master	0	----	-0.106	----	
Test Loop Gain - 96		Master	1.000	----	1.027	----	
Test Loop Phase - 96	deg	Master	0	----	-0.645	----	
Test Loop Gain - 97		Master	1.000	----	1.016	----	
Test Loop Phase - 97	deg	Master	0	----	-0.409	----	
Test Loop Gain - 98		Master	1.000	----	1.013	----	
Test Loop Phase - 98	deg	Master	0	----	-0.946	----	
Test Loop Gain - 99		Master	1.000	----	1.005	----	
Test Loop Phase - 99	deg	Master	0	----	-0.163	----	
Test Loop Gain - 100		Master	1.000	----	1.025	----	
Test Loop Phase - 100	deg	Master	0	----	0.004	----	
Test Loop Gain - 101		Master	1.000	----	1.010	----	
Test Loop Phase - 101	deg	Master	0	----	-0.592	----	
Test Loop Gain - 102		Master	1.000	----	1.012	----	
Test Loop Phase - 102	deg	Master	0	----	0.142	----	
Test Loop Gain - 103		Master	1.000	----	1.012	----	
Test Loop Phase - 103	deg	Master	0	----	0.112	----	
Test Loop Gain - 104		Master	1.000	----	0.979	----	
Test Loop Phase - 104	deg	Master	0	----	0.311	----	
Test Loop Gain - 105		Master	1.000	----	1.002	----	
Test Loop Phase - 105	deg	Master	0	----	-0.626	----	
Test Loop Gain - 106		Master	1.000	----	0.999	----	
Test Loop Phase - 106	deg	Master	0	----	-0.581	----	
Test Loop Gain - 107		Master	1.000	----	1.012	----	
Test Loop Phase - 107	deg	Master	0	----	-0.318	----	
Test Loop Gain - 108		Master	1.000	----	0.985	----	
Test Loop Phase - 108	deg	Master	0	----	-0.714	----	
Test Loop Gain - 109		Master	1.000	----	1.006	----	
Test Loop Phase - 109	deg	Master	0	----	-0.636	----	
Test Loop Gain - 110		Master	1.000	----	0.926	----	
Test Loop Phase - 110	deg	Master	0	----	-0.935	----	
Test Loop Gain - 111		Master	1.000	----	0.992	----	
Test Loop Phase - 111	deg	Master	0	----	-0.370	----	
Test Loop Gain - 112		Master	1.000	----	0.991	----	
Test Loop Phase - 112	deg	Master	0	----	-0.394	----	
Test Loop Gain - 113		Master	1.000	----	0.906	----	
Test Loop Phase - 113	deg	Master	0	----	-0.382	----	
Test Loop Gain - 114		Master	1.000	----	0.967	----	
Test Loop Phase - 114	deg	Master	0	----	-1.323	----	
Test Loop Gain - 115		Master	1.000	----	0.961	----	
Test Loop Phase - 115	deg	Master	0	----	-1.313	----	
Test Loop Gain - 116		Master	1.000	----	1.008	----	
Test Loop Phase - 116	deg	Master	0	----	-0.811	----	

AIT Master Calibration - Sonde Error Correction							
Master (EEPROM):		03:09:36 14-Dec-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	

Sonde Error Correction Real - 0	mS/m	Master	----	-2899.500	112.225	3339.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 0		Master	----	-41397.000	4084.254	55036.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 1	mS/m	Master	----	-2921.000	32.314	3318.200	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 1		Master	----	-42973.000	3870.522	53460.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 2	mS/m	Master	----	-2357.400	-1371.772	-506.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 2		Master	----	-5751.600	2053.553	6763.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 3	mS/m	Master	----	-556.300	7.974	481.900	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 3		Master	----	-9896.500	1674.891	13364.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 4	mS/m	Master	----	-447.400	27.868	590.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 4		Master	----	-10406.000	1224.680	12854.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 5	mS/m	Master	----	21.600	183.689	406.200	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 5		Master	----	-2452.800	-200.176	2452.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 6	mS/m	Master	----	-139.400	-3.820	145.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 6		Master	----	-3193.800	720.794	5195.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 7	mS/m	Master	----	-108.800	13.458	175.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 7		Master	----	-3994.000	380.669	4394.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 8	mS/m	Master	----	-81.900	2.780	76.900	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 8		Master	----	-919.800	129.375	876.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 9	mS/m	Master	----	-687.200	-319.268	-32.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 9		Master	----	-1224.100	173.069	1567.500	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 10	mS/m	Master	----	-841.300	-237.248	926.900	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 10		Master	----	-26207.000	3748.008	24836.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 11	mS/m	Master	----	-385.000	-7.641	334.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 11		Master	----	-8870.400	-41.885	10729.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 12	mS/m	Master	----	-941.900	80.631	826.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 12		Master	----	-23951.000	-2779.682	27092.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 13	mS/m	Master	----	-693.800	-348.755	-26.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 13		Master	----	-1468.500	-245.052	1323.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 14	mS/m	Master	----	-326.700	12.191	393.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 14		Master	----	-9467.400	265.345	10132.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 15	mS/m	Master	----	-324.300	-5.534	249.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 15		Master	----	-13751.000	-1043.635	17634.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 16	mS/m	Master	----	-214.800	-1.124	358.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 16		Master	----	-17844.000	-761.020	13540.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 17	mS/m	Master	----	-49.100	37.845	135.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 17		Master	----	-897.000	-110.966	1120.400	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 18	mS/m	Master	----	-344.500	-121.385	54.500	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 18		Master	----	-651.100	6.150	672.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 19	mS/m	Master	----	-294.600	-78.150	327.400	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 19		Master	----	-12891.000	1840.327	12222.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 20	mS/m	Master	----	-128.800	-1.715	117.200	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 20		Master	----	-4425.900	-22.977	5344.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 21	mS/m	Master	----	-332.100	30.451	289.900	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 21		Master	----	-11783.000	-1373.616	13330.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 22	mS/m	Master	----	-354.800	-148.952	64.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 22		Master	----	-773.500	-176.345	549.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 23	mS/m	Master	----	-111.400	4.404	134.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 23		Master	----	-4715.700	134.590	5054.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 24	mS/m	Master	----	-196.800	-9.221	188.400	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 24		Master	----	-6819.500	-521.469	8738.500	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 25	mS/m	Master	----	-166.400	1.316	218.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 25		Master	----	-8849.300	-386.176	6708.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 26	mS/m	Master	----	-22.000	8.719	34.400	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 26		Master	----	-468.300	-80.321	531.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 27	mS/m	Master	----	-136.000	-23.656	82.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 27		Master	----	-1294.700	204.746	1788.900	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 28	mS/m	Master	----	-256.100	125.539	264.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 28		Master	----	-9974.600	-3112.764	9816.400	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 29	mS/m	Master	----	-123.200	8.469	131.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 29		Master	----	-3318.000	453.806	3724.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 30	mS/m	Master	----	-238.100	-68.772	282.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 30		Master	----	-10490.000	1579.178	9301.500	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 31	mS/m	Master	----	-136.000	-20.546	82.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 31		Master	----	-1047.000	144.335	2036.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 32	mS/m	Master	----	-104.800	7.640	150.200	<div><div></div><div></div><div></div><div></div><div></div></div>

Sonde Error Correction Real - 32	mS/m	Master	----	-3528.100	-268.106	3513.900	
Sonde Error Correction Quad - 32		Master	----	-3528.100	-268.106	3513.900	
Sonde Error Correction Real - 33	mS/m	Master	-----	-203.400	-10.522	137.600	
Sonde Error Correction Quad - 33		Master	-----	-203.400	-10.522	137.600	
Sonde Error Correction Real - 34	mS/m	Master	-----	-6312.100	522.858	7550.300	
Sonde Error Correction Quad - 34		Master	-----	-6312.100	522.858	7550.300	
Sonde Error Correction Real - 35	mS/m	Master	-----	-152.100	9.857	188.900	
Sonde Error Correction Quad - 35		Master	-----	-152.100	9.857	188.900	
Sonde Error Correction Real - 36	mS/m	Master	-----	-7387.300	-37.342	6475.100	
Sonde Error Correction Quad - 36		Master	-----	-7387.300	-37.342	6475.100	
Sonde Error Correction Real - 37	mS/m	Master	-----	87.100	119.938	160.700	
Sonde Error Correction Quad - 37		Master	-----	87.100	119.938	160.700	
Sonde Error Correction Real - 38	mS/m	Master	-----	-569.100	10.692	466.900	
Sonde Error Correction Quad - 38		Master	-----	-569.100	10.692	466.900	
Sonde Error Correction Real - 39	mS/m	Master	-----	-98.300	-43.519	24.700	
Sonde Error Correction Quad - 39		Master	-----	-98.300	-43.519	24.700	
Sonde Error Correction Real - 40	mS/m	Master	-----	-758.300	-9.058	791.100	
Sonde Error Correction Quad - 40		Master	-----	-758.300	-9.058	791.100	
Sonde Error Correction Real - 41	mS/m	Master	-----	-102.200	22.138	107.000	
Sonde Error Correction Quad - 41		Master	-----	-102.200	22.138	107.000	
Sonde Error Correction Real - 42	mS/m	Master	-----	-4976.900	-1560.762	4905.700	
Sonde Error Correction Quad - 42		Master	-----	-4976.900	-1560.762	4905.700	
Sonde Error Correction Real - 43	mS/m	Master	-----	-29.500	9.153	44.500	
Sonde Error Correction Quad - 43		Master	-----	-29.500	9.153	44.500	
Sonde Error Correction Real - 44	mS/m	Master	-----	-1658.100	229.567	1862.900	
Sonde Error Correction Quad - 44		Master	-----	-1658.100	229.567	1862.900	
Sonde Error Correction Real - 45	mS/m	Master	-----	-97.900	-10.348	111.300	
Sonde Error Correction Quad - 45		Master	-----	-97.900	-10.348	111.300	
Sonde Error Correction Real - 46	mS/m	Master	-----	-5239.100	796.718	4643.500	
Sonde Error Correction Quad - 46		Master	-----	-5239.100	796.718	4643.500	
Sonde Error Correction Real - 47	mS/m	Master	-----	-98.300	-39.955	24.700	
Sonde Error Correction Quad - 47		Master	-----	-98.300	-39.955	24.700	
Sonde Error Correction Real - 48	mS/m	Master	-----	-646.000	-48.933	903.400	
Sonde Error Correction Quad - 48		Master	-----	-646.000	-48.933	903.400	
Sonde Error Correction Real - 49	mS/m	Master	-----	-30.100	4.289	43.900	
Sonde Error Correction Quad - 49		Master	-----	-30.100	4.289	43.900	
Sonde Error Correction Real - 50	mS/m	Master	-----	-1761.800	-134.054	1759.200	
Sonde Error Correction Quad - 50		Master	-----	-1761.800	-134.054	1759.200	
Sonde Error Correction Real - 51	mS/m	Master	-----	-147.000	8.032	125.200	
Sonde Error Correction Quad - 51		Master	-----	-147.000	8.032	125.200	
Sonde Error Correction Real - 52	mS/m	Master	-----	-3194.900	260.666	3794.500	
Sonde Error Correction Quad - 52		Master	-----	-3194.900	260.666	3794.500	
Sonde Error Correction Real - 53	mS/m	Master	-----	-133.200	6.653	139.000	
Sonde Error Correction Quad - 53		Master	-----	-133.200	6.653	139.000	
Sonde Error Correction Real - 54	mS/m	Master	-----	-3719.800	-15.869	3269.600	
Sonde Error Correction Quad - 54		Master	-----	-3719.800	-15.869	3269.600	
Sonde Error Correction Real - 55	mS/m	Master	-----	46.500	49.679	71.300	
Sonde Error Correction Quad - 55		Master	-----	46.500	49.679	71.300	
Sonde Error Correction Real - 56	mS/m	Master	-----	-231.700	55.392	278.900	
Sonde Error Correction Quad - 56		Master	-----	-231.700	55.392	278.900	
Sonde Error Correction Real - 57	mS/m	Master	-----	-68.200	-20.905	10.600	
Sonde Error Correction Quad - 57		Master	-----	-68.200	-20.905	10.600	
Sonde Error Correction Real - 58	mS/m	Master	-----	-424.400	-13.488	836.400	
Sonde Error Correction Quad - 58		Master	-----	-424.400	-13.488	836.400	
Sonde Error Correction Real - 59	mS/m	Master	-----	-209.000	-36.836	222.000	
Sonde Error Correction Quad - 59		Master	-----	-209.000	-36.836	222.000	
Sonde Error Correction Real - 60	mS/m	Master	-----	-8856.000	1092.933	8698.800	
Sonde Error Correction Quad - 60		Master	-----	-8856.000	1092.933	8698.800	
Sonde Error Correction Real - 61	mS/m	Master	-----	-79.100	-4.168	65.300	
Sonde Error Correction Quad - 61		Master	-----	-79.100	-4.168	65.300	
Sonde Error Correction Real - 62	mS/m	Master	-----	-1582.400	-75.839	2189.600	
Sonde Error Correction Quad - 62		Master	-----	-1582.400	-75.839	2189.600	
Sonde Error Correction Real - 63	mS/m	Master	-----	-222.200	38.118	208.800	
Sonde Error Correction Quad - 63		Master	-----	-222.200	38.118	208.800	
Sonde Error Correction Real - 64	mS/m	Master	-----	-8669.800	-1314.495	8885.000	
Sonde Error Correction Quad - 64		Master	-----	-8669.800	-1314.495	8885.000	
Sonde Error Correction Real - 65	mS/m	Master	-----	-67.500	-21.340	11.300	
Sonde Error Correction Quad - 65		Master	-----	-67.500	-21.340	11.300	
Sonde Error Correction Real - 66	mS/m	Master	-----	-483.300	140.984	777.500	
Sonde Error Correction Quad - 66		Master	-----	-483.300	140.984	777.500	
Sonde Error Correction Real - 67	mS/m	Master	-----	-61.900	4.237	82.500	
Sonde Error Correction Quad - 67		Master	-----	-61.900	4.237	82.500	
Sonde Error Correction Real - 68	mS/m	Master	-----	-1972.600	-263.990	1799.400	
Sonde Error Correction Quad - 68		Master	-----	-1972.600	-263.990	1799.400	
Sonde Error Correction Real - 69	mS/m	Master	-----	-69.600	-3.661	57.800	
Sonde Error Correction Quad - 69		Master	-----	-69.600	-3.661	57.800	
Sonde Error Correction Real - 70	mS/m	Master	-----	-3010.100	-180.968	3497.900	
Sonde Error Correction Quad - 70		Master	-----	-3010.100	-180.968	3497.900	
Sonde Error Correction Real - 71	mS/m	Master	-----	-52.400	14.422	75.000	
Sonde Error Correction Quad - 71		Master	-----	-52.400	14.422	75.000	
Sonde Error Correction Real - 72	mS/m	Master	-----	-3659.900	-573.709	2848.100	
Sonde Error Correction Quad - 72		Master	-----	-3659.900	-573.709	2848.100	
Sonde Error Correction Real - 73	mS/m	Master	-----	37.300	55.162	73.300	
Sonde Error Correction Quad - 73		Master	-----	37.300	55.162	73.300	
Sonde Error Correction Real - 74	mS/m	Master	-----	-180.700	-6.470	179.500	
Sonde Error Correction Quad - 74		Master	-----	-180.700	-6.470	179.500	
Sonde Error Correction Real - 75	mS/m	Master	-----	-99.500	-62.226	-29.900	
Sonde Error Correction Quad - 75		Master	-----	-99.500	-62.226	-29.900	
Sonde Error Correction Real - 76	mS/m	Master	-----	-309.400	-49.891	376.500	
Sonde Error Correction Quad - 76		Master	-----	-309.400	-49.891	376.500	
Sonde Error Correction Real - 77	mS/m	Master	-----	-25.400	-8.382	26.800	
Sonde Error Correction Quad - 77		Master	-----	-25.400	-8.382	26.800	
Sonde Error Correction Real - 78	mS/m	Master	-----	-4426.300	545.046	4351.300	
Sonde Error Correction Quad - 78		Master	-----	-4426.300	545.046	4351.300	
Sonde Error Correction Real - 79	mS/m	Master	-----	-24.000	-1.653	23.200	
Sonde Error Correction Quad - 79		Master	-----	-24.000	-1.653	23.200	
Sonde Error Correction Real - 80	mS/m	Master	-----	-798.900	-42.745	1099.900	
Sonde Error Correction Quad - 80		Master	-----	-798.900	-42.745	1099.900	
Sonde Error Correction Real - 81	mS/m	Master	-----	-25.400	7.447	26.800	
Sonde Error Correction Quad - 81		Master	-----	-25.400	7.447	26.800	
Sonde Error Correction Real - 82	mS/m	Master	-----	-4335.900	-653.299	4441.700	
Sonde Error Correction Quad - 82		Master	-----	-4335.900	-653.299	4441.700	
Sonde Error Correction Real - 83	mS/m	Master	-----	-99.000	-60.324	-29.400	
Sonde Error Correction Quad - 83		Master	-----	-99.000	-60.324	-29.400	
Sonde Error Correction Real - 84	mS/m	Master	-----	-426.900	26.371	426.900	
Sonde Error Correction Quad - 84		Master	-----	-426.900	26.371	426.900	
Sonde Error Correction Real - 85	mS/m	Master	-----	-21.400	0.243	25.800	
Sonde Error Correction Quad - 85		Master	-----	-21.400	0.243	25.800	
Sonde Error Correction Real - 86	mS/m	Master	-----	-992.100	-133.017	906.700	
Sonde Error Correction Quad - 86		Master	-----	-992.100	-133.017	906.700	
Sonde Error Correction Real - 87	mS/m	Master	-----	-17.700	-1.891	15.100	
Sonde Error Correction Quad - 87		Master	-----	-17.700	-1.891	15.100	
Sonde Error Correction Real - 88	mS/m	Master	-----	-1518.500	-95.619	1750.900	
Sonde Error Correction Quad - 88		Master	-----	-1518.500	-95.619	1750.900	
Sonde Error Correction Real - 89	mS/m	Master	-----	-13.800	4.240	19.000	
Sonde Error Correction Quad - 89		Master	-----	-13.800	4.240	19.000	
Sonde Error Correction Real - 90	mS/m	Master	-----	-1836.100	-286.006	1433.300	
Sonde Error Correction Quad - 90		Master	-----	-1836.100	-286.006	1433.300	
Sonde Error Correction Real - 91	mS/m						






































Sonde Error Correction Quad - 64		Master	----	-6054.100	-571.801	6480.300	
Sonde Error Correction Real - 65	mS/m	Master	----	-38.200	-3.705	27.000	
Sonde Error Correction Quad - 65		Master	----	-414.600	131.273	740.600	
Sonde Error Correction Real - 66	mS/m	Master	----	-134.200	-15.490	147.000	
Sonde Error Correction Quad - 66		Master	----	-6421.000	590.020	6113.400	
Sonde Error Correction Real - 67	mS/m	Master	----	-50.900	-21.065	-1.500	
Sonde Error Correction Quad - 67		Master	----	-120.200	213.334	631.600	
Sonde Error Correction Real - 68	mS/m	Master	----	-28.200	-1.546	37.000	
Sonde Error Correction Quad - 68		Master	----	-564.900	-5.755	590.300	
Sonde Error Correction Real - 69	mS/m	Master	----	-25.200	-3.653	23.200	
Sonde Error Correction Quad - 69		Master	----	-1131.800	240.973	1562.200	
Sonde Error Correction Real - 70	mS/m	Master	----	-20.500	4.294	27.900	
Sonde Error Correction Quad - 70		Master	----	-1454.700	-52.431	1239.300	
Sonde Error Correction Real - 71	mS/m	Master	----	16.900	23.494	30.100	
Sonde Error Correction Quad - 71		Master	----	-63.200	38.011	82.600	
Sonde Error Correction Real - 72	mS/m	Master	----	-55.800	-33.514	-15.800	
Sonde Error Correction Quad - 72		Master	----	-157.900	41.616	247.900	
Sonde Error Correction Real - 73	mS/m	Master	----	-18.200	3.507	16.800	
Sonde Error Correction Quad - 73		Master	----	-2989.700	-283.664	3198.300	
Sonde Error Correction Real - 74	mS/m	Master	----	-10.300	-0.378	7.900	
Sonde Error Correction Quad - 74		Master	----	-207.500	64.283	369.500	
Sonde Error Correction Real - 75	mS/m	Master	----	-15.900	-1.707	19.100	
Sonde Error Correction Quad - 75		Master	----	-3168.900	295.962	3019.100	
Sonde Error Correction Real - 76	mS/m	Master	----	-54.200	-31.749	-14.200	
Sonde Error Correction Quad - 76		Master	----	-145.800	27.916	239.000	
Sonde Error Correction Real - 77	mS/m	Master	----	-8.400	-0.544	9.800	
Sonde Error Correction Quad - 77		Master	----	-281.700	-3.979	295.300	
Sonde Error Correction Real - 78	mS/m	Master	----	-6.900	2.787	11.100	
Sonde Error Correction Quad - 78		Master	----	-567.100	117.502	775.900	
Sonde Error Correction Real - 79	mS/m	Master	----	-8.000	2.964	10.000	
Sonde Error Correction Quad - 79		Master	----	-725.700	-25.694	617.300	
Sonde Error Correction Real - 80	mS/m	Master	----	11.700	16.043	20.700	
Sonde Error Correction Quad - 80		Master	----	-59.500	12.848	59.500	
Sonde Error Correction Real - 81	mS/m	Master	----	-83.200	-50.120	-16.600	
Sonde Error Correction Quad - 81		Master	----	-9.500	226.240	460.300	
Sonde Error Correction Real - 82	mS/m	Master	----	-61.200	-3.815	62.000	
Sonde Error Correction Quad - 82		Master	----	-2224.900	154.705	2288.500	
Sonde Error Correction Real - 83	mS/m	Master	----	-28.400	-1.235	22.200	
Sonde Error Correction Quad - 83		Master	----	-365.200	-10.637	423.200	
Sonde Error Correction Real - 84	mS/m	Master	----	-60.600	6.525	62.600	

Sonde Error Correction Real - 97	mS/m	Master	-----	-6.400	2.250	7.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 97		Master	-----	-288.600	-36.420	303.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 98	mS/m	Master	-----	7.900	12.804	17.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 98		Master	-----	-98.100	12.965	108.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 99	mS/m	Master	-----	-115.300	-61.612	-25.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 99		Master	-----	-320.800	24.253	514.200	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 100	mS/m	Master	-----	-25.100	2.521	26.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 100		Master	-----	-873.400	-70.622	971.400	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 101	mS/m	Master	-----	-29.900	-6.184	24.900	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 101		Master	-----	-159.400	48.049	167.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 102	mS/m	Master	-----	-23.600	1.659	27.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 102		Master	-----	-1014.100	57.958	830.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 103	mS/m	Master	-----	-116.400	-61.505	-26.200	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 103		Master	-----	-325.400	1.897	509.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 104	mS/m	Master	-----	-26.500	-5.938	28.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 104		Master	-----	-155.400	44.802	171.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 105	mS/m	Master	-----	-12.100	4.684	20.500	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 105		Master	-----	-336.400	81.814	317.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 106	mS/m	Master	-----	-15.100	2.102	17.500	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 106		Master	-----	-331.600	62.083	321.800	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 107	mS/m	Master	-----	-21.900	-9.301	2.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 107		Master	-----	-290.900	3.389	338.500	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 108	mS/m	Master	-----	-113.300	-63.811	-26.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 108		Master	-----	-103.600	96.484	355.900	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 109	mS/m	Master	-----	-8.000	-0.129	9.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 109		Master	-----	-441.900	-33.978	491.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 110	mS/m	Master	-----	-9.800	-2.295	6.400	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 110		Master	-----	-74.700	17.777	74.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 111	mS/m	Master	-----	-7.600	1.754	9.400	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 111		Master	-----	-511.900	31.528	421.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 112	mS/m	Master	-----	-113.300	-64.394	-26.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 112		Master	-----	-81.800	87.431	353.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 113	mS/m	Master	-----	-8.900	-1.587	7.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 113		Master	-----	-71.000	17.933	78.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 114	mS/m	Master	-----	-2.300	4.861	7.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 114		Master	-----	-167.300	41.694	158.300	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 115	mS/m	Master	-----	-4.900	2.669	5.100	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 115		Master	-----	-165.400	31.242	160.200	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 116	mS/m	Master	-----	-9.600	-7.322	-2.600	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 116		Master	-----	-117.000	37.999	207.400	<div><div></div><div></div><div></div><div></div><div></div></div>

AIT Shop Check - Master - Shop Sonde Error Correction Difference

Master (EEPROM): 11:47:19 25-Jan-2014 Expired by 127 days

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 0	mS/m	Master	-----	-1422.350	222.763	1422.350	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 0		Master	-----	-33895.770	3661.904	33895.770	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 1	mS/m	Master	-----	-1422.350	407.473	1422.350	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 1		Master	-----	-33895.770	11015.150	33895.770	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 2	mS/m	Master	-----	-58.960	-1383.609	58.960	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 2		Master	-----	-512.790	2082.122	512.790	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 3	mS/m	Master	-----	-278.130	23.933	278.130	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 3		Master	-----	-14228.720	2461.547	14228.720	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 4	mS/m	Master	-----	-278.130	150.737	278.130	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 4		Master	-----	-14228.720	-1023.817	14228.720	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 5	mS/m	Master	-----	-22.330	184.158	22.330	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 5		Master	-----	-214.990	-198.229	214.990	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 6	mS/m	Master	-----	-93.730	5.226	93.730	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 6		Master	-----	-5616.320	499.306	5616.320	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 7	mS/m	Master	-----	-93.730	46.860	93.730	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 7		Master	-----	-5616.320	1463.174	5616.320	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 8	mS/m	Master	-----	-12.700	2.583	12.700	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 8		Master	-----	-58.980	121.169	58.980	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 9	mS/m	Master	-----	-38.430	-315.359	38.430	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 9		Master	-----	-525.260	170.289	525.260	<div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 10	mS/m	Master	-----	-322.050	-245.235	322.050	<div><div></div><div></div><div></div><div></div><div></div></div>

Sonde Error Corr Dif Quad - 10		Master	-----	-10299.530	3919.626	10299.530	
Sonde Error Corr Dif Real - 11	mS/m	Master	-----	-183.710	10.023	183.710	
Sonde Error Corr Dif Quad - 11		Master	-----	-7941.350	-613.975	7941.350	
Sonde Error Corr Dif Real - 12	mS/m	Master	-----	-322.050	82.157	322.050	
Sonde Error Corr Dif Quad - 12		Master	-----	-10299.530	-2921.062	10299.530	
Sonde Error Corr Dif Real - 13	mS/m	Master	-----	-38.430	-344.285	38.430	
Sonde Error Corr Dif Quad - 13		Master	-----	-525.260	-257.122	525.260	
Sonde Error Corr Dif Real - 14	mS/m	Master	-----	-183.710	77.771	183.710	
Sonde Error Corr Dif Quad - 14		Master	-----	-7941.350	-171.239	7941.350	
Sonde Error Corr Dif Real - 15	mS/m	Master	-----	-131.160	-15.178	131.160	
Sonde Error Corr Dif Quad - 15		Master	-----	-10322.010	-1831.784	10322.010	
Sonde Error Corr Dif Real - 16	mS/m	Master	-----	-131.160	-6.263	131.160	
Sonde Error Corr Dif Quad - 16		Master	-----	-10322.010	-1526.757	10322.010	
Sonde Error Corr Dif Real - 17	mS/m	Master	-----	-10.520	37.662	10.520	
Sonde Error Corr Dif Quad - 17		Master	-----	-106.620	-108.651	106.620	
Sonde Error Corr Dif Real - 18	mS/m	Master	-----	-38.650	-120.193	38.650	
Sonde Error Corr Dif Quad - 18		Master	-----	-259.430	6.942	259.430	
Sonde Error Corr Dif Real - 19	mS/m	Master	-----	-120.810	-80.107	120.810	
Sonde Error Corr Dif Quad - 19		Master	-----	-5070.680	1925.772	5070.680	
Sonde Error Corr Dif Real - 20	mS/m	Master	-----	-56.450	3.826	56.450	
Sonde Error Corr Dif Quad - 20		Master	-----	-3970.410	-307.837	3970.410	
Sonde Error Corr Dif Real - 21	mS/m	Master	-----	-120.810	29.837	120.810	
Sonde Error Corr Dif Quad - 21		Master	-----	-5070.680	-1444.651	5070.680	
Sonde Error Corr Dif Real - 22	mS/m	Master	-----	-38.650	-147.685	38.650	
Sonde Error Corr Dif Quad - 22		Master	-----	-259.430	-180.423	259.430	
Sonde Error Corr Dif Real - 23	mS/m	Master	-----	-56.450	22.930	56.450	
Sonde Error Corr Dif Quad - 23		Master	-----	-3970.410	-81.200	3970.410	
Sonde Error Corr Dif Real - 24	mS/m	Master	-----	-71.000	-11.190	71.000	
Sonde Error Corr Dif Quad - 24		Master	-----	-5118.910	-915.069	5118.910	
Sonde Error Corr Dif Real - 25	mS/m	Master	-----	-71.000	2.351	71.000	
Sonde Error Corr Dif Quad - 25		Master	-----	-5118.910	-767.849	5118.910	
Sonde Error Corr Dif Real - 26	mS/m	Master	-----	-4.790	8.421	4.790	
Sonde Error Corr Dif Quad - 26		Master	-----	-55.660	-78.929	55.660	
Sonde Error Corr Dif Real - 27	mS/m	Master	-----	-73.800	-22.378	73.800	
Sonde Error Corr Dif Quad - 27		Master	-----	-352.850	175.747	352.850	
Sonde Error Corr Dif Real - 28	mS/m	Master	-----	-159.880	137.853	159.880	
Sonde Error Corr Dif Quad - 28		Master	-----	-6824.670	-3507.436	6824.670	
Sonde Error Corr Dif Real - 29	mS/m	Master	-----	-69.240	6.999	69.240	

Sonde Error Corr Dif Real - 43	mS/m	Master	-----	-46.710	6.670	46.710	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 43		Master	-----	-1250.020	-88.723	1250.020	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 44	mS/m	Master	-----	-3.760	49.347	3.760	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 44		Master	-----	-25.880	55.785	25.880	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 45	mS/m	Master	-----	-17.300	-19.647	17.300	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 45		Master	-----	-176.360	-17.413	176.360	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 46	mS/m	Master	-----	-124.190	-32.300	124.190	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 46		Master	-----	-4733.690	964.254	4733.690	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 47	mS/m	Master	-----	-40.710	0.472	40.710	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 47		Master	-----	-1317.910	-4.680	1317.910	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 48	mS/m	Master	-----	-124.190	33.789	124.190	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 48		Master	-----	-4733.690	-1190.814	4733.690	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 49	mS/m	Master	-----	-17.300	-20.521	17.300	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 49		Master	-----	-176.360	134.336	176.360	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 50	mS/m	Master	-----	-40.710	16.334	40.710	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 50		Master	-----	-1317.910	-351.696	1317.910	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 51	mS/m	Master	-----	-21.650	-2.278	21.650	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 51		Master	-----	-1487.450	-249.438	1487.450	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 52	mS/m	Master	-----	-21.650	14.234	21.650	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 52		Master	-----	-1487.450	-595.744	1487.450	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 53	mS/m	Master	-----	-6.870	54.415	6.870	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 53		Master	-----	-22.760	-1.633	22.760	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 54	mS/m	Master	-----	-14.160	-61.840	14.160	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 54		Master	-----	-88.850	-51.466	88.850	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 55	mS/m	Master	-----	-19.500	-7.430	19.500	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 55		Master	-----	-2367.930	481.226	2367.930	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 56	mS/m	Master	-----	-17.070	1.109	17.070	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 56		Master	-----	-661.990	-8.460	661.990	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 57	mS/m	Master	-----	-19.500	6.162	19.500	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 57		Master	-----	-2367.930	-591.383	2367.930	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 58	mS/m	Master	-----	-14.160	-60.009	14.160	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 58		Master	-----	-88.850	23.397	88.850	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 59	mS/m	Master	-----	-17.070	3.651	17.070	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 59		Master	-----	-661.990	-176.331	661.990	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 60	mS/m	Master	-----	-11.090	-1.710	11.090	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 60		Master	-----	-742.280	-130.481	742.280	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 61	mS/m	Master	-----	-11.090	4.375	11.090	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 61		Master	-----	-742.280	-298.028	742.280	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 62	mS/m	Master	-----	-3.800	30.365	3.800	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 62		Master	-----	-13.370	6.655	13.370	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 63	mS/m	Master	-----	-12.070	-23.217	12.070	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 63		Master	-----	-90.680	236.160	90.680	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 64	mS/m	Master	-----	-43.670	13.029	43.670	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 64		Master	-----	-1646.130	-314.628	1646.130	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 65	mS/m	Master	-----	-24.500	-1.777	24.500	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 65		Master	-----	-477.700	155.791	477.700	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 66	mS/m	Master	-----	-43.670	-8.215	43.670	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 66		Master	-----	-1646.130	321.872	1646.130	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 67	mS/m	Master	-----	-12.070	-20.524	12.070	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 67		Master	-----	-90.680	205.998	90.680	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 68	mS/m	Master	-----	-24.500	2.629	24.500	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 68		Master	-----	-477.700	24.614	477.700	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 69	mS/m	Master	-----	-12.430	-2.522	12.430	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 69		Master	-----	-622.540	180.283	622.540	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 70	mS/m	Master	-----	-12.430	3.142	12.430	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 70		Master	-----	-622.540	14.970	622.540	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 71	mS/m	Master	-----	-3.560	23.002	3.560	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 71		Master	-----	-10.290	40.259	10.290	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 72	mS/m	Master	-----	-8.900	-33.446	8.900	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 72		Master	-----	-50.090	37.815	50.090	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 73	mS/m	Master	-----	-8.150	1.939	8.150	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 73		Master	-----	-815.430	-155.768	815.430	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 74	mS/m	Master	-----	-12.270	1.026	12.270	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Quad - 74		Master	-----	-242.090	76.376	242.090	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Sonde Error Corr Dif Real - 75	mS/m	Master	-----	-8.150	-1.108	8.150	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>

Sonde Error Corr Dif Real - 75	mS/m	Master	-----	0.130	1.168	0.130	
Sonde Error Corr Dif Quad - 75		Master	-----	-815.430	163.004	815.430	
Sonde Error Corr Dif Real - 76	mS/m	Master	-----	-8.900	-31.732	8.900	
Sonde Error Corr Dif Quad - 76		Master	-----	-50.090	24.543	50.090	
Sonde Error Corr Dif Real - 77	mS/m	Master	-----	-12.270	1.184	12.270	
Sonde Error Corr Dif Quad - 77		Master	-----	-242.090	11.356	242.090	
Sonde Error Corr Dif Real - 78	mS/m	Master	-----	-6.910	2.930	6.910	
Sonde Error Corr Dif Quad - 78		Master	-----	-309.500	87.124	309.500	
Sonde Error Corr Dif Real - 79	mS/m	Master	-----	-6.910	3.061	6.910	
Sonde Error Corr Dif Quad - 79		Master	-----	-309.500	6.902	309.500	
Sonde Error Corr Dif Real - 80	mS/m	Master	-----	-2.270	15.646	2.270	
Sonde Error Corr Dif Quad - 80		Master	-----	-5.950	14.130	5.950	
Sonde Error Corr Dif Real - 81	mS/m	Master	-----	-14.820	-49.763	14.820	
Sonde Error Corr Dif Quad - 81		Master	-----	-41.940	229.451	41.940	
Sonde Error Corr Dif Real - 82	mS/m	Master	-----	-26.750	-1.485	26.750	
Sonde Error Corr Dif Quad - 82		Master	-----	-1113.920	63.016	1113.920	
Sonde Error Corr Dif Real - 83	mS/m	Master	-----	-22.910	-0.240	22.910	
Sonde Error Corr Dif Quad - 83		Master	-----	-425.640	-44.671	425.640	
Sonde Error Corr Dif Real - 84	mS/m	Master	-----	-26.750	4.056	26.750	
Sonde Error Corr Dif Quad - 84		Master	-----	-1113.920	-120.759	1113.920	
Sonde Error Corr Dif Real - 85	mS/m	Master	-----	-14.820	-47.336	14.820	
Sonde Error Corr Dif Quad - 85		Master	-----	-41.940	205.636	41.940	
Sonde Error Corr Dif Real - 86	mS/m	Master	-----	-22.910	-0.517	22.910	
Sonde Error Corr Dif Quad - 86		Master	-----	-425.640	-40.151	425.640	
Sonde Error Corr Dif Real - 87	mS/m	Master	-----	-17.620	4.296	17.620	
Sonde Error Corr Dif Quad - 87		Master	-----	-619.330	-244.688	619.330	
Sonde Error Corr Dif Real - 88	mS/m	Master	-----	-17.620	2.740	17.620	
Sonde Error Corr Dif Quad - 88		Master	-----	-619.330	-34.802	619.330	
Sonde Error Corr Dif Real - 89	mS/m	Master	-----	-3.910	8.285	3.910	
Sonde Error Corr Dif Quad - 89		Master	-----	-9.470	128.576	9.470	
Sonde Error Corr Dif Real - 90	mS/m	Master	-----	-11.240	-51.027	11.240	
Sonde Error Corr Dif Quad - 90		Master	-----	-18.450	59.120	18.450	
Sonde Error Corr Dif Real - 91	mS/m	Master	-----	-6.130	-0.480	6.130	
Sonde Error Corr Dif Quad - 91		Master	-----	-563.230	34.625	563.230	
Sonde Error Corr Dif Real - 92	mS/m	Master	-----	-13.750	0.372	13.750	
Sonde Error Corr Dif Quad - 92		Master	-----	-215.560	-25.586	215.560	
Sonde Error Corr Dif Real - 93	mS/m	Master	-----	-6.130	1.207	6.130	
Sonde Error Corr Dif Quad - 93		Master	-----	-563.230	-60.715	563.230	
Sonde Error Corr Dif Real - 94	mS/m	Master	-----	-11.240	-48.998	11.240	
Sonde Error Corr Dif Quad - 94		Master	-----	-18.450	45.902	18.450	
Sonde Error Corr Dif Real - 95	mS/m	Master	-----	-13.750	0.459	13.750	
Sonde Error Corr Dif Quad - 95		Master	-----	-215.560	-24.545	215.560	
Sonde Error Corr Dif Real - 96	mS/m	Master	-----	-9.770	2.135	9.770	
Sonde Error Corr Dif Quad - 96		Master	-----	-316.930	-123.489	316.930	
Sonde Error Corr Dif Real - 97	mS/m	Master	-----	-9.770	2.463	9.770	
Sonde Error Corr Dif Quad - 97		Master	-----	-316.930	-19.370	316.930	
Sonde Error Corr Dif Real - 98	mS/m	Master	-----	-2.110	12.359	2.110	
Sonde Error Corr Dif Quad - 98		Master	-----	-7.370	13.518	7.370	
Sonde Error Corr Dif Real - 99	mS/m	Master	-----	-15.930	-61.710	15.930	
Sonde Error Corr Dif Quad - 99		Master	-----	-35.540	26.053	35.540	
Sonde Error Corr Dif Real - 100	mS/m	Master	-----	-22.000	2.768	22.000	
Sonde Error Corr Dif Quad - 100		Master	-----	-562.650	-69.622	562.650	
Sonde Error Corr Dif Real - 101	mS/m	Master	-----	-29.210	-3.803	29.210	
Sonde Error Corr Dif Quad - 101		Master	-----	-209.850	51.263	209.850	
Sonde Error Corr Dif Real - 102	mS/m	Master	-----	-22.000	0.756	22.000	
Sonde Error Corr Dif Quad - 102		Master	-----	-562.650	58.896	562.650	
Sonde Error Corr Dif Real - 103	mS/m	Master	-----	-15.930	-61.606	15.930	
Sonde Error Corr Dif Quad - 103		Master	-----	-35.540	2.273	35.540	
Sonde Error Corr Dif Real - 104	mS/m	Master	-----	-29.210	-3.898	29.210	
Sonde Error Corr Dif Quad - 104		Master	-----	-209.850	43.159	209.850	
Sonde Error Corr Dif Real - 105	mS/m	Master	-----	-23.810	3.907	23.810	
Sonde Error Corr Dif Quad - 105		Master	-----	-232.790	97.008	232.790	
Sonde Error Corr Dif Real - 106	mS/m	Master	-----	-23.810	1.732	23.810	
Sonde Error Corr Dif Quad - 106		Master	-----	-232.790	74.321	232.790	
Sonde Error Corr Dif Real - 107	mS/m	Master	-----	-10.690	-9.029	10.690	

		Before-Master	----	----	0.860	----	
Thru Cal Phase - 6	deg	Master	----	-180.000	6.507	180.000	
		Before	----	-180.000	-123.345	180.000	
		Before-Master	----	----	-129.852	----	
Thru Cal Mag - 7	V	Master	----	1.608	2.809	3.752	
		Before	----	1.608	3.646	3.752	
		Before-Master	----	----	0.837	----	
Thru Cal Phase - 7	deg	Master	----	-180.000	6.190	180.000	
		Before	----	-180.000	-125.626	180.000	
		Before-Master	----	----	-131.816	----	
Thru Cal Mag - 8	V	Master	----	1.608	2.659	3.752	
		Before	----	1.608	3.419	3.752	
		Before-Master	----	----	0.760	----	
Thru Cal Phase - 8	deg	Master	----	-180.000	-5.901	180.000	
		Before	----	-180.000	-121.975	180.000	
		Before-Master	----	----	-116.074	----	
Thru Cal Mag - 9	V	Master	----	1.174	1.894	2.739	
		Before	----	1.174	2.302	2.739	
		Before-Master	----	----	0.408	----	
Thru Cal Phase - 9	deg	Master	----	-180.000	1.931	180.000	
		Before	----	-180.000	-35.088	180.000	
		Before-Master	----	----	-37.019	----	
Thru Cal Mag - 10	V	Master	----	1.174	1.903	2.739	
		Before	----	1.174	2.333	2.739	
		Before-Master	----	----	0.430	----	
Thru Cal Phase - 10	deg	Master	----	-180.000	4.301	180.000	
		Before	----	-180.000	-35.531	180.000	
		Before-Master	----	----	-39.832	----	
Thru Cal Mag - 11	V	Master	----	1.174	1.891	2.739	
		Before	----	1.174	2.097	2.739	
		Before-Master	----	----	0.206	----	
Thru Cal Phase - 11	deg	Master	----	-180.000	-1.440	180.000	
		Before	----	-180.000	-31.322	180.000	
		Before-Master	----	----	-29.882	----	
Thru Cal Mag - 12	V	Master	----	2.122	3.612	4.951	
		Before	----	2.122	4.733	4.951	
		Before-Master	----	----	1.121	----	
Thru Cal Phase - 12	deg	Master	----	-180.000	12.280	180.000	
		Before	----	-180.000	-118.537	180.000	
		Before-Master	----	----	-130.817	----	
Thru Cal Mag - 13	V	Master	----	2.122	3.663	4.951	
		Before	----	2.122	4.752	4.951	
		Before-Master	----	----	1.089	----	
Thru Cal Phase - 13	deg	Master	----	-180.000	11.995	180.000	
		Before	----	-180.000	-120.872	180.000	
		Before-Master	----	----	-132.867	----	
Thru Cal Mag - 14	V	Master	----	2.122	3.467	4.951	
		Before	----	2.122	4.460	4.951	
		Before-Master	----	----	0.993	----	
Thru Cal Phase - 14	deg	Master	----	-180.000	-0.038	180.000	
		Before	----	-180.000	-117.173	180.000	
		Before-Master	----	----	-117.135	----	
Thru Cal Mag - 15	V	Master	----	1.860	3.042	4.340	
		Before	----	1.860	3.700	4.340	
		Before-Master	----	----	0.658	----	
Thru Cal Phase - 15	deg	Master	----	-180.000	1.940	180.000	
		Before	----	-180.000	-35.359	180.000	
		Before-Master	----	----	-37.299	----	
Thru Cal Mag - 16	V	Master	----	1.860	3.056	4.340	
		Before	----	1.860	3.738	4.340	
		Before-Master	----	----	0.682	----	
Thru Cal Phase - 16	deg	Master	----	-180.000	4.321	180.000	
		Before	----	-180.000	-35.909	180.000	
		Before-Master	----	----	-40.230	----	
Thru Cal Mag - 17	V	Master	----	1.860	3.038	4.340	
		Before	----	1.860	3.368	4.340	
		Before-Master	----	----	0.330	----	

Thru Cal Phase - 17	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 -----	-1.427 -31.691 -30.264	180.000 180.000 -----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 18	V	Master Before Before-Master	----- ----- -----	0.562 0.562 ----	0.957 1.254 0.297	1.310 1.310 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 18	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 -----	12.184 -117.780 -129.964	180.000 180.000 -----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 19	V	Master Before Before-Master	----- ----- -----	0.562 0.562 ----	0.969 1.257 0.288	1.310 1.310 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 19	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 -----	11.951 -120.125 -132.076	180.000 180.000 -----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 20	V	Master Before Before-Master	----- ----- -----	0.562 0.562 ----	0.915 1.178 0.263	1.310 1.310 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 20	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 -----	-0.044 -116.369 -116.325	180.000 180.000 -----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 21	V	Master Before Before-Master	----- ----- -----	2.449 2.449 ----	4.039 4.906 0.867	5.714 5.714 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 21	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 -----	-1.380 -37.682 -36.302	180.000 180.000 -----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 22	V	Master Before Before-Master	----- ----- -----	2.449 2.449 ----	4.059 4.974 0.915	5.714 5.714 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 22	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 -----	0.995 -38.129 -39.124	180.000 180.000 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 23	V	Master Before Before-Master	----- ----- -----	2.449 2.449 ----	4.034 4.470 0.436	5.714 5.714 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 23	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 ----	-4.749 -33.916 -29.167	180.000 180.000 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 24	V	Master Before Before-Master	----- ----- -----	0.817 0.817 ----	1.390 1.821 0.431	1.907 1.907 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 24	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 ----	5.848 -123.264 -129.112	180.000 180.000 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 25	V	Master Before Before-Master	----- ----- -----	0.817 0.817 ----	1.407 1.825 0.418	1.907 1.907 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 25	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 ----	5.603 -125.580 -131.183	180.000 180.000 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 26	V	Master Before Before-Master	----- ----- -----	0.817 0.817 ----	1.329 1.710 0.381	1.907 1.907 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 26	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 ----	-6.404 -121.864 -115.460	180.000 180.000 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 27	V	Master Before Before-Master	----- ----- -----	2.449 2.449 ----	4.039 4.911 0.872	5.714 5.714 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 27	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 ----	-1.390 -37.586 -36.196	180.000 180.000 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 28	V	Master Before Before-Master	----- ----- -----	2.449 2.449 ----	4.059 4.961 0.902	5.714 5.714 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 28	deg	Master Before Before-Master	----- ----- -----	-180.000 -180.000 ----	0.989 -28.110 -28.110	180.000 180.000 ----	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>

		Before	-----	-180.000	-38.140	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-39.129	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 29	V	Master	-----	2.449	4.034	5.714	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	2.449	4.471	5.714	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.437	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 29	deg	Master	-----	-180.000	-4.763	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-33.920	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-29.157	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 30	V	Master	-----	0.817	1.390	1.907	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.817	1.820	1.907	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.430	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 30	deg	Master	-----	-180.000	5.837	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-123.261	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-129.098	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 31	V	Master	-----	0.817	1.407	1.907	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.817	1.825	1.907	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.418	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 31	deg	Master	-----	-180.000	5.608	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-125.612	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-131.220	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 32	V	Master	-----	0.817	1.329	1.907	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.817	1.710	1.907	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.381	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 32	deg	Master	-----	-180.000	-6.408	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-121.867	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-115.459	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 33	V	Master	-----	0.732	1.165	1.708	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.732	1.416	1.708	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.251	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 33	deg	Master	-----	-180.000	-1.136	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-38.740	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-37.604	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 34	V	Master	-----	0.732	1.167	1.708	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.732	1.430	1.708	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.263	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 34	deg	Master	-----	-180.000	1.266	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-39.174	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-40.440	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 35	V	Master	-----	0.732	1.155	1.708	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.732	1.281	1.708	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.126	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 35	deg	Master	-----	-180.000	-4.465	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-34.949	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-30.484	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 36	V	Master	-----	0.981	1.644	2.289	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.981	2.155	2.289	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.511	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 36	deg	Master	-----	-180.000	6.438	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-124.260	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-130.698	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 37	V	Master	-----	0.981	1.665	2.289	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.981	2.160	2.289	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.495	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 37	deg	Master	-----	-180.000	6.193	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-126.574	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-132.767	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 38	V	Master	-----	0.981	1.573	2.289	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.981	2.024	2.289	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.451	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 38	deg	Master	-----	-180.000	-5.811	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-122.859	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-117.048	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Mag - 39	V	Master	-----	0.878	1.400	2.049	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	0.878	1.703	2.049	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	0.303	-----	<div><div></div><div></div><div></div><div></div><div></div></div>
Thru Cal Phase - 39	deg	Master	-----	-180.000	-1.155	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before	-----	-180.000	-38.493	180.000	<div><div></div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-----	-37.338	-----	<div><div></div><div></div><div></div><div></div><div></div></div>

		Before	-----	12.000	12.979	14.000	
		Before-Master	-----	-----	0.007	-----	
Power Supply - 4	V	Master	-----	15.000	18.129	31.000	
		Before	-----	15.000	18.840	31.000	
		Before-Master	-----	-----	0.711	-----	
Power Supply - 5	V	Master	-----	1.600	1.811	2.000	
		Before	-----	1.600	1.812	2.000	
		Before-Master	-----	-----	0.001	-----	
Power Supply - 6	V	Master	-----	2.200	2.487	2.800	
		Before	-----	2.200	2.489	2.800	
		Before-Master	-----	-----	0.002	-----	
Power Supply - 7	V	Master	-----	3.000	3.265	3.700	
		Before	-----	3.000	3.265	3.700	
		Before-Master	-----	-----	0.000	-----	
Power Supply - 8	V	Master	-----	4.500	4.967	5.600	
		Before	-----	4.500	4.969	5.600	
		Before-Master	-----	-----	0.002	-----	
Power Supply - 9	V	Master	-----	0.100	0.187	0.400	
		Before	-----	0.100	0.389	0.400	
		Before-Master	-----	-----	0.202	-----	
Power Supply - 10	V	Master	-----	0.100	0.192	0.400	
		Before	-----	0.100	0.381	0.400	
		Before-Master	-----	-----	0.189	-----	

HDRS-H (HILT Density and Rxo Sonde, 150 degC) Calibration - Run One		
Primary Equipment :		
HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	4923
HILT Resistivity Gamma-Ray Density Device, 150 degC	HRGD-H	3933
Auxiliary Equipment :		
HRDD Backscatter Detector	Backscatter	28736
HRDD Long Spacing Detector	Long Spacing	28736
HRDD Short Spacing Detector	Short Spacing	28736
Cesium 137 Gamma-Ray Logging Source	GSR-J	5094
HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	4923
HILT High-Resolution Mechanical Sonde, 150 degC	HRMS-H	3911
Calibration Parameter :		
Small Ring Size (Caliper Calibration Small Ring)	8.00	
Large Ring Size (Caliper Calibration Large Ring)	12.00	

HDRS Caliper Calibration - Caliper Accumulations							
Before (Measured):		18:44:55 29-Aug-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Small Ring	in	Before	8.00	6.00	7.56	10.00	
Large Ring	in	Before	12.00	9.00	11.79	15.00	

HDRS Density Calibration - Inversion Results							
Master (EEPROM):		11:18:48 06-Aug-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Rho Aluminum	g/cm3	Master	2.596	2.586	2.597	2.606	
Rho Magnesium	g/cm3	Master	1.686	1.676	1.688	1.696	
Pe Aluminum		Master	2.570	2.470	2.538	2.670	
Pe Magnesium		Master	2.650	2.550	2.617	2.750	

HDRS Density Calibration - Deviation Summary							
Master (EEPROM):		11:18:48 06-Aug-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Average Deviation	%	Master	0	-0.6000	0.2920	0.6000	
BS Max Deviation	%	Master	0	-1.6000	0.6112	1.6000	
SS Average Deviation	%	Master	0	-1.0000	0.4157	1.0000	
SS Max Deviation	%	Master	0	-2.5000	1.0245	2.5000	
LS Average Deviation	%	Master	0	-1.5000	0.6722	1.5000	
LS Max Deviation	%	Master	0	-3.5000	2.5071	3.5000	

HDRS Density Calibration - Summary

Master (EEPROM):		11:18:48 06-Aug-2014		Before (Measured):		17:53:42 29-Aug-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Window Ratio		Master	1.0000		0.7465		
		Before	1.0000	0.9500	0.7485	1.0500	
		Before-Master	----	----	0.0020	----	
BS Window Sum	1/s	Master	1		23422		
		Before	0	0	23394	0	
		Before-Master	----	----	-28	----	
SS Window Ratio		Master	1.0000		0.4876		
		Before	1.0000	0.9500	0.4875	1.0500	
		Before-Master	----	----	-0.0001	----	
SS Window Sum	1/s	Master	1		10990		
		Before	0	0	10965	0	
		Before-Master	----	----	-25	----	
LS Window Ratio		Master	1.0000		0.2980		
		Before	1.0000	0.9500	0.2993	1.0500	
		Before-Master	----	----	0.0013	----	
LS Window Sum	1/s	Master	1		1200		
		Before	0	0	1199	0	
		Before-Master	----	----	-1	----	

HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM):		11:18:48 06-Aug-2014		Before (Measured):		17:53:42 29-Aug-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS PM High Voltage	V	Master		1000	1586	2400	
		Before		1000	1595	2400	
		Before-Master	----	-100	9	100	
SS PM High Voltage	V	Master		1000	1495	2400	
		Before		1000	1487	2400	
		Before-Master	----	-100	-8	100	
LS PM High Voltage	V	Master		1000	1285	2400	
		Before		1000	1275	2400	
		Before-Master	----	-100	-10	100	

HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM):		11:18:48 06-Aug-2014		Before (Measured):		17:53:42 29-Aug-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Crystal Resolution	%	Master		5.00	10.86	25.00	
		Before		5.00	10.92	25.00	
		Before-Master	----	-1.00	0.06	1.00	
SS Crystal Resolution	%	Master		5.00	9.40	20.00	
		Before		5.00	9.57	20.00	
		Before-Master	----	-1.00	0.17	1.00	
LS Crystal Resolution	%	Master		5.00	7.90	20.00	
		Before		5.00	8.03	20.00	
		Before-Master	----	-1.00	0.13	1.00	

HDRS MCFL Calibration - MCFL Accumulations

Before (Measured):		18:49:36 29-Aug-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3880	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3811	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3821	4136	

HGNS-H (HILT Gamma-Ray and Neutron Sonde, 150 degC) Calibration - Run One

Primary Equipment :			
HILT Gamma-Ray and Neutron Sonde, 150 degC		HGNS-H	4810
Auxiliary Equipment :			
HGNS Accelerometer, 150 degC		HACCZ-H	6305
AmBe Neutron Logging Source		NSR-F	5069
Calibration Parameter :			
Water Temperature			
Housing Size			

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
AZ Vertical Measurement - 0	ft/s2	Before	-----	-----	-----	-----		

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (EEPROM): 00:00:00 15-Feb-2007

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Accelerometer Manufacturer		Master			QAT_160			
Accelerometer Reference Temperature	degF	Master		30.2	77.0	122.0		
Accelerometer Coefficients - 0		Master	-----	-----	-1557.100	-----		
Accelerometer Coefficients - 1		Master	-----	-----	29.260	-----		
Accelerometer Coefficients - 2		Master	-----	-----	-0.015	-----		
Accelerometer Coefficients - 3		Master	-----	-----	0.000	-----		
Accelerometer Coefficients - 4		Master	-----	-----	2.740	-----		
Accelerometer Coefficients - 5		Master	-----	-----	0.000	-----		
Accelerometer Coefficients - 6		Master	-----	-----	0.000	-----		
Accelerometer Coefficients - 7		Master	-----	-----	0.000	-----		
Accelerometer Coefficients - 8		Master	-----	-----	298.600	-----		
Accelerometer Coefficients - 9		Master	-----	-----	1.000	-----		

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (EEPROM): 15:20:00 23-Jul-2014

Before (Measured):

18:41:44 29-Aug-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Near Zero Measurement	1/s	Master	0	5.0	25.5	40.0		
		Before	0	5.0	25.7	40.0		
		Before-Master	-----	-3.8	0.2	3.8		
Far Zero Measurement	1/s	Master	0	5.0	24.3	40.0		
		Before	0	5.0	26.8	40.0		
		Before-Master	-----	-3.6	2.5	3.6		
Near Plus Measurement	1/s	Master	6031.0	4700.0	4963.0	6900.0		
		Before	-----	-----	-----	-----		
		Before-Master	-----	-----	-----	-----		
Far Plus Measurement	1/s	Master	2793.0	1900.0	2102.0	2900.0		
		Before	-----	-----	-----	-----		
		Before-Master	-----	-----	-----	-----		
Near Corrected Plus Measurement	1/s	Master		4700.0	4837.0	6900.0		
		Before	-----	-----	-----	-----		
		Before-Master	-----	-----	-----	-----		
Far Corrected Plus Measurement	1/s	Master		1900.0	2008.0	2900.0		
		Before	-----	-----	-----	-----		
		Before-Master	-----	-----	-----	-----		

HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations

Before (Measured): 18:49:47 29-Aug-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
RGR Zero Measurement	gAPI	Before	30.0	0	82.9	120.0		
RGR Plus Measurement	gAPI	Before	185.4	157.1	177.0	206.3		
GR Calibration Gain		Before	0.89	0.80	0.93	1.05		

Company:	Whiting Oil and Gas Corporation	Schlumberger
Well:	Wolf 12L-0103	
Field:	Wildcat	
County:	Weld	
State:	Colorado	
Platform Express		
Triple Combo		