

Company: Omimex Petroleum Inc

Well: Moss 7-19-7-44

Field: Holyoke South

County: Phillips State: Colorado

County: Phillips
Field: Holyoke South
Location: SWNE Sec19 T7N R44W
Well: Moss 7-19-7-44
Company: Omimex Petroleum Inc

Platform Express
Triple Combo
Linear

Location:		SWNE Sec19 T7N R44W SHL: 2033' FNL, 1933' FEL	Elev.: K.B. 3748.00 ft G.L. 3742.00 ft D.F. 3747.00 ft
Permanent Datum:	Ground Level	Kelly Bushing	Elev.: 3742.00 f
Log Measured From:		Kelly Bushing	6.00 ft above Perm.Datum
Drilling Measured From:		Kelly Bushing	
API Serial No.	Section:	Township:	Range:
05-095-06464	19	7N	44W

Logging Date 30-Nov-2014

Run Number ONE

Depth Driller 2726.00 ft

Schlumberger Depth 2726.00 ft

Bottom Log Interval 2725.00 ft

Top Log Interval 500.00 ft

Casing Driller Size @ Depth 7 in @ 497.00 ft

Casing Schlumberger 497 ft

Bit Size 6.25 in

Type Fluid In Hole Water

Density 8.6 lbm/gal 29 s

Fluid Loss PH 4 cm3 8

MUD Source of Sample AIT Measured

RM @ Meas Temp 0.24 ohm.m @ 97 degF

RMF @ Meas Temp 0.18 ohm.m @ 97 degF

RMC @ Meas Temp 0.35 ohm.m @ 97 degF

Source RMF RMC Calculated

RM @ BHT RMC @ BHT 0.23 @ 103 0.17 @ 103

Max Recorded Temperatures 103 degF

Circulation Stopped 30-Nov-2014 07:15:00

Logger on Bottom 30-Nov-2014 11:37:00

Unit Number 3022 Location: Fort Morgan

Recorded By B Makinson

Witnessed By Paul Dekaye

Disclaimer

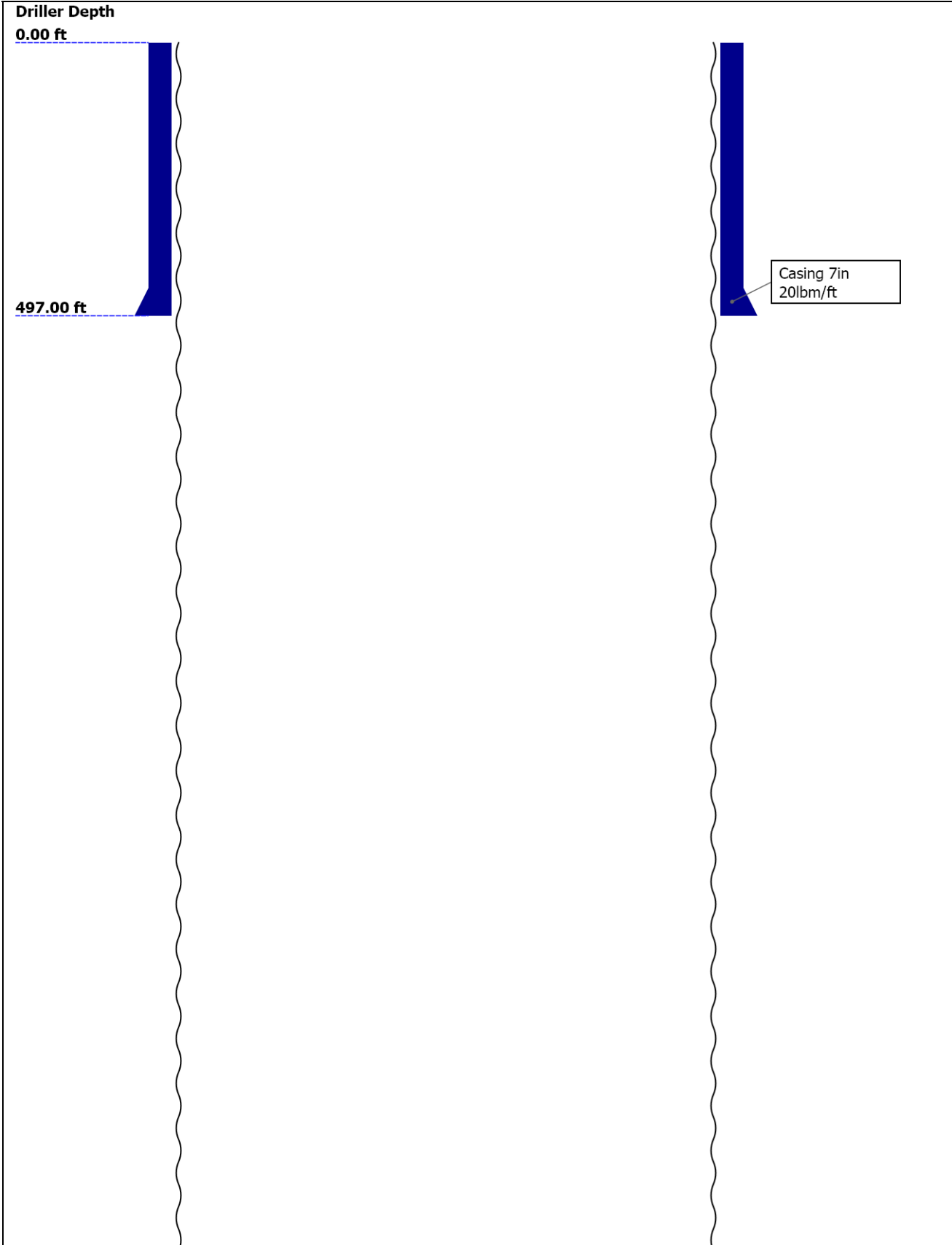
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Well Sketch



2726.00 ft

Open Hole 6.25in

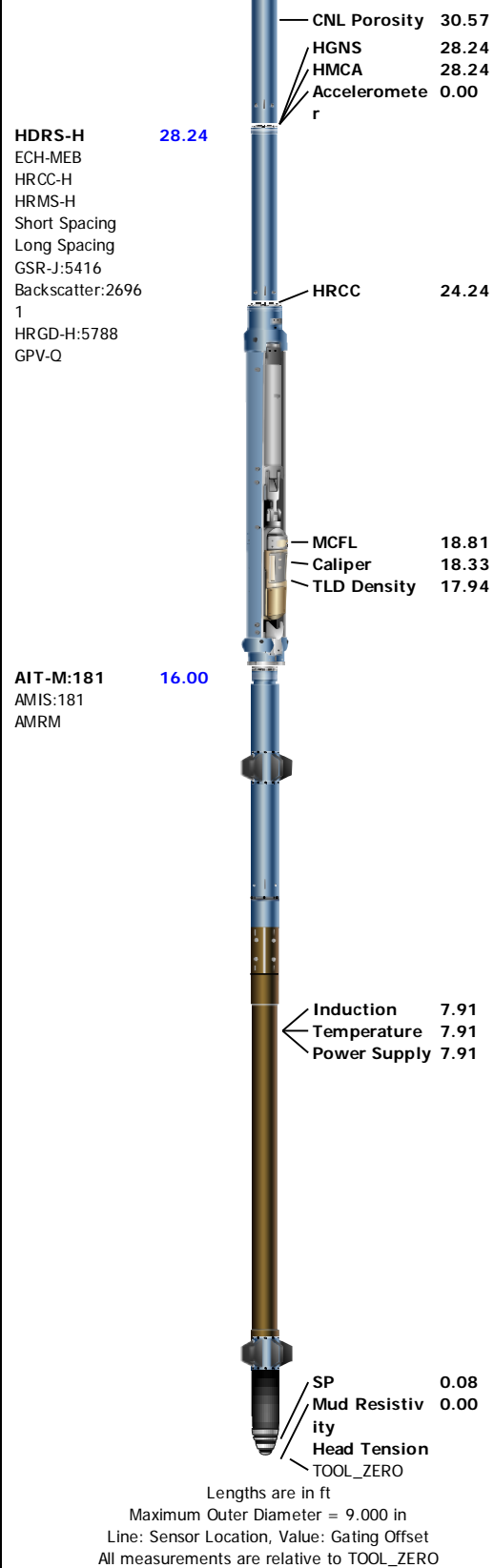
Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	6.25					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	2726					
Bottom Logger (ft)	2726					
Casing						
Size (in)	7					
Weight (lbm/ft)	20					
Inner Diameter (in)	6.456					
Grade	J55					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	497					
Bottom Logger (ft)	497					

Operational Run Summary

Parameter (unit)	ONE					
Date Log Started	30-Nov-2014					
Time Log Started	11:20:16					
Date Log Finished	30-Nov-2014					
Time Log Finished	12:41:06					
Top Log Interval (ft)	500.00					
Bottom Log Interval (ft)	2725.00					
Total Depth (ft)	2725.00					
Max Hole Deviation (deg)	0.00					
Azimuth of Max Deviation (deg)	0.00					
Bit Size (in)	6.250					
Logging Unit Number	3022					
Logging Unit Location	Fort Morgan					
Recorded By	B Makinson					
Witnessed By	Paul Dekaye					
Service Order Number	CZOH-00043					

Service Order Number		GZCH-00043					
Borehole Fluids							
Parameter(unit)	ONE						
Fluid Type	Water						
Max Recorded Temperatures (degF)	103						
Source of Sample	AIT Measured						
Salinity (ppm)	13400						
Density (lbm/gal)	8.6						
Funnel Viscosity (s)	29						
Fluid Loss (cm3)	4						
PH	8						
Date/Time Circulation Stopped	30-Nov-2014 07:15:00						
Date Logger on Bottom	30-Nov-2014						
Time Logger on Bottom	11:37:00						
Source RMF	Calculated						
RMC	Calculated						
RM @ Meas Temp (ohm.m@degF)	0.24 @ 97						
RMF @ Meas Temp (ohm.m@degF)	0.18 @ 97						
RMC @ Meas Temp (ohm.m@degF)	0.35 @ 97						
RM @ BHT (ohm.m@degF)	0.23 @ 103						
RMF @ BHT (ohm.m@degF)	0.17 @ 103						
RMC @ BHT (ohm.m@degF)	0.33 @ 103						
Total Solid (%)							
High Gravity Solids (%)							
Remarks and Equipment Summary							
ONE: Toolstring				ONE: Remarks			
Equip name	Length	MP name	Offset	First run in the well.			
LEH-QT	51.57			Toolstring run as per tool sketch.			
LEH-QT				No bowspring used to eccenter HGNS as per client request.			
DTC-H	48.65			Limestone matrix, MDEN: 2.71			
ECH-KC		CTEM	47.75	Neutron corrections applied: Hole size, standoff.			
DTC-H		HV	0.00	Cement volume calculated assuming 4.5" future casing.			
Adaptor_Head	45.65	TelStatus	45.65	Mud resistivity measured from AIT AMF.			
		ToolStatus	45.65				
GPIT-F:1881	41.65						
GPIH-B							
DHRU-F:2705		GPIT-F Incl	40.23				
GPIC-F:1881		ometer					
HGNS-H	37.65						
HGNH		GPIT	0.00				
NPV-N		Temperature	37.62				
NSR-F:2554							
HMCA-H		GR	36.91				
HGNS-H							
UAC27-H:1001							



Depth Summary

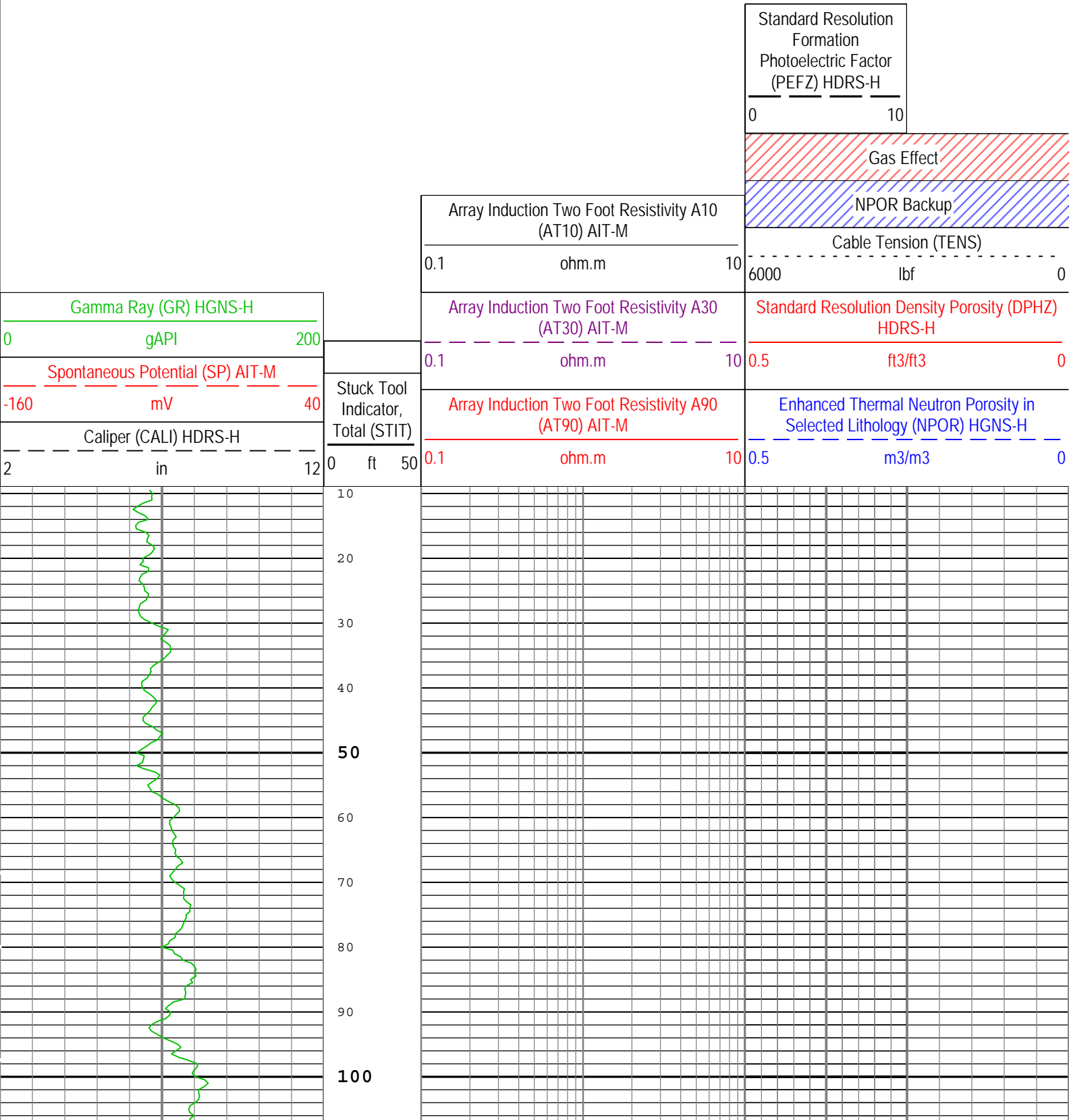
ONE

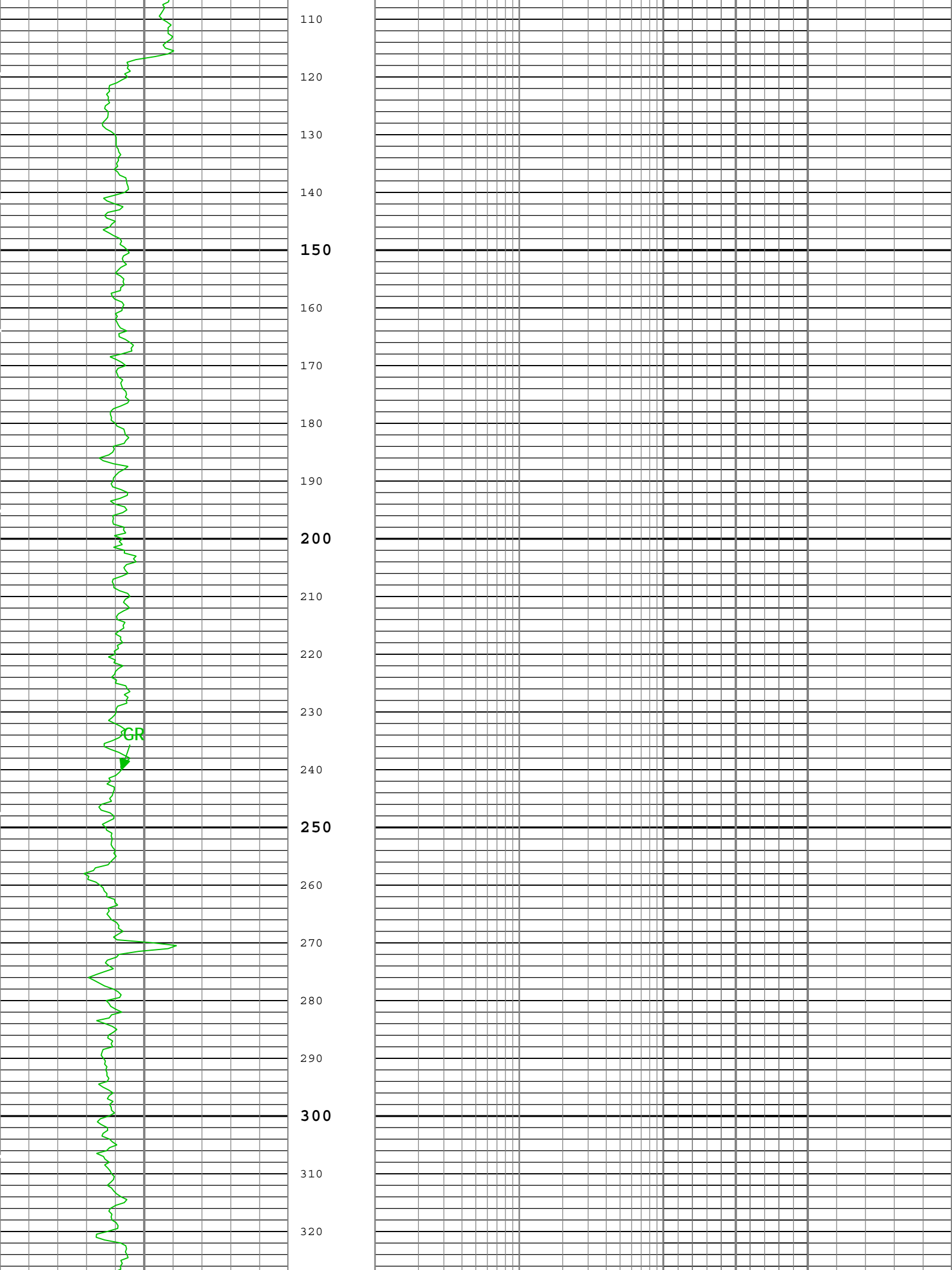
Depth Measuring Device

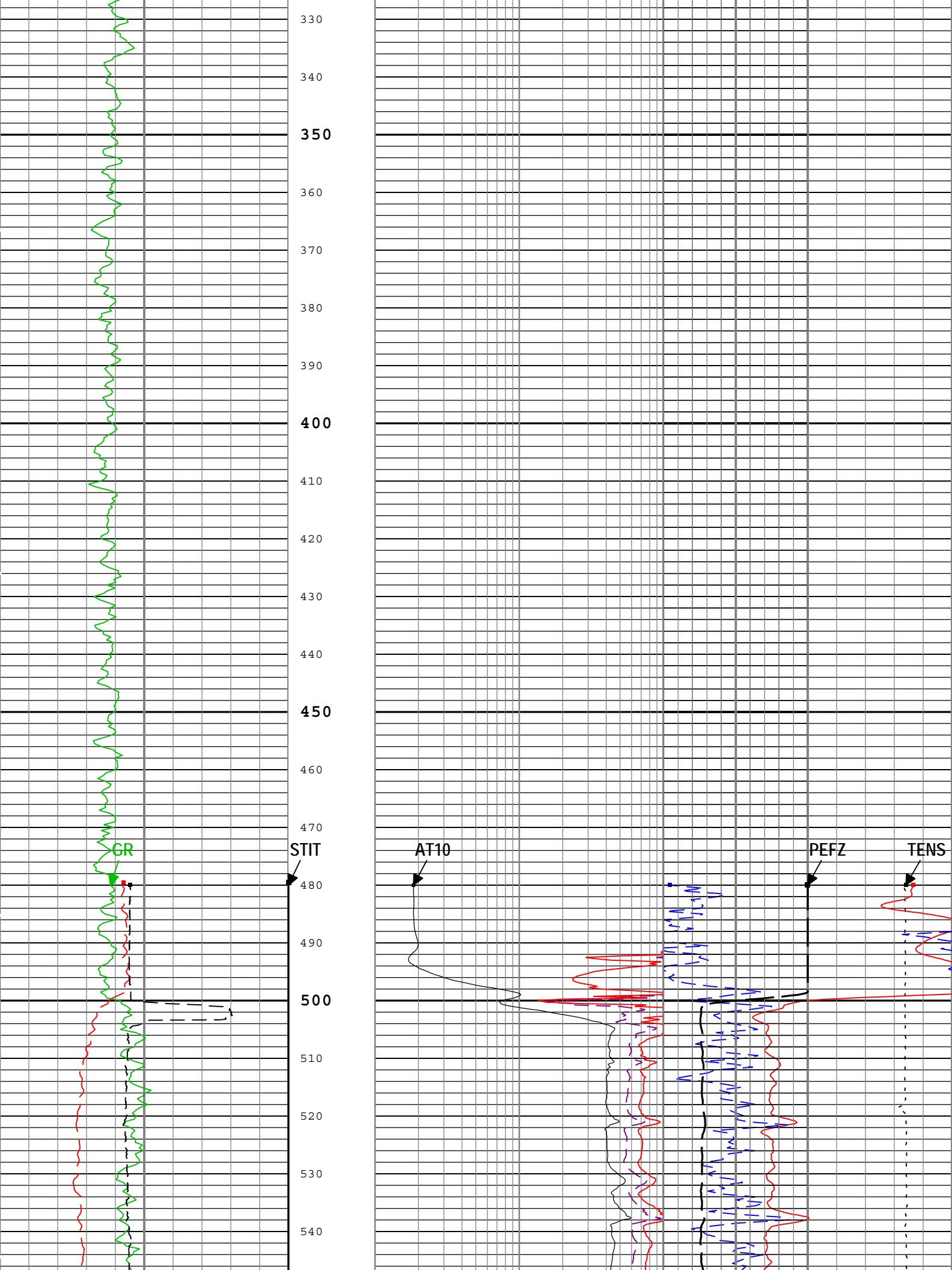
Type	IDW-JA
Serial Number	5896
Calibration Date	13-Aug-2014
Calibrator Serial Number	

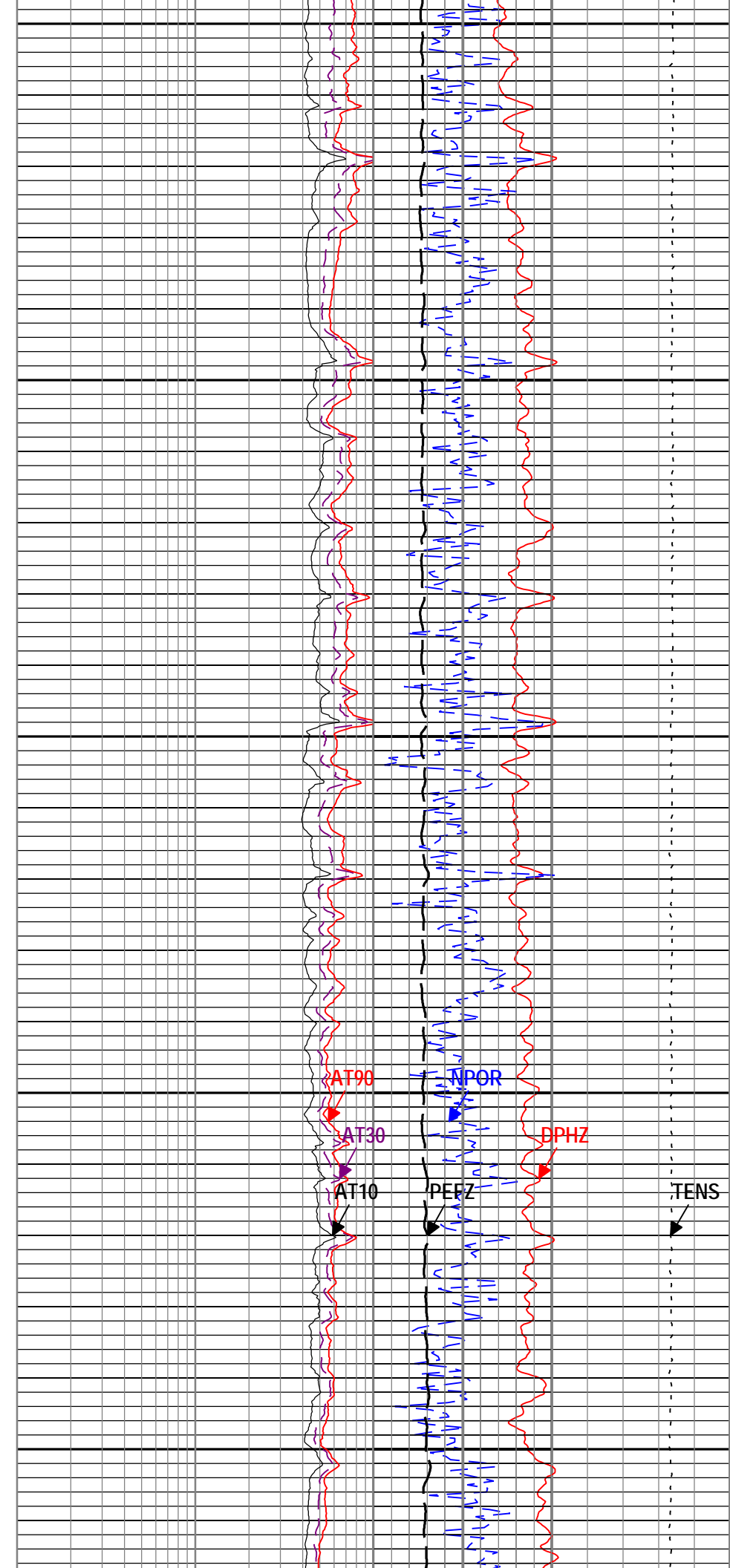
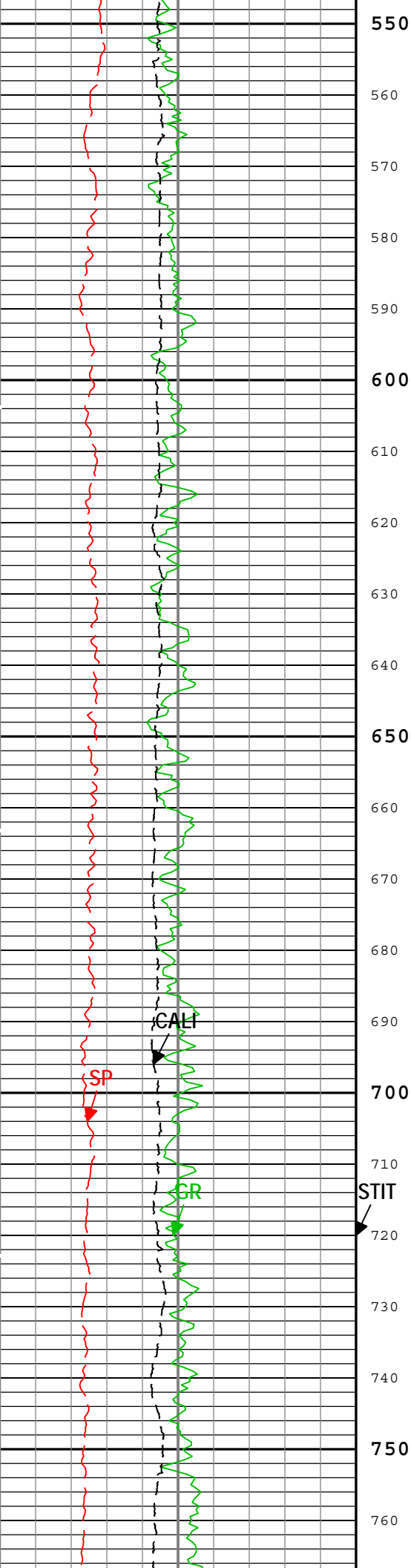
AIT90	AIT-M:AMIS:AMIS	3in
CALI	HDRS-H:HRCC-H:HRCC-H	1in
DPHZ	HDRS-H:HRMS-H:HRGD-H	2in
GR	HGNS-H:HGNS-H:HGNS-H	6in
NPOR	HGNS-H:HGNS-H:HGNS-H	6in
PEFZ	HDRS-H:HRMS-H:HRGD-H	2in
SP	AIT-M:AMIS:AMIS	6in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

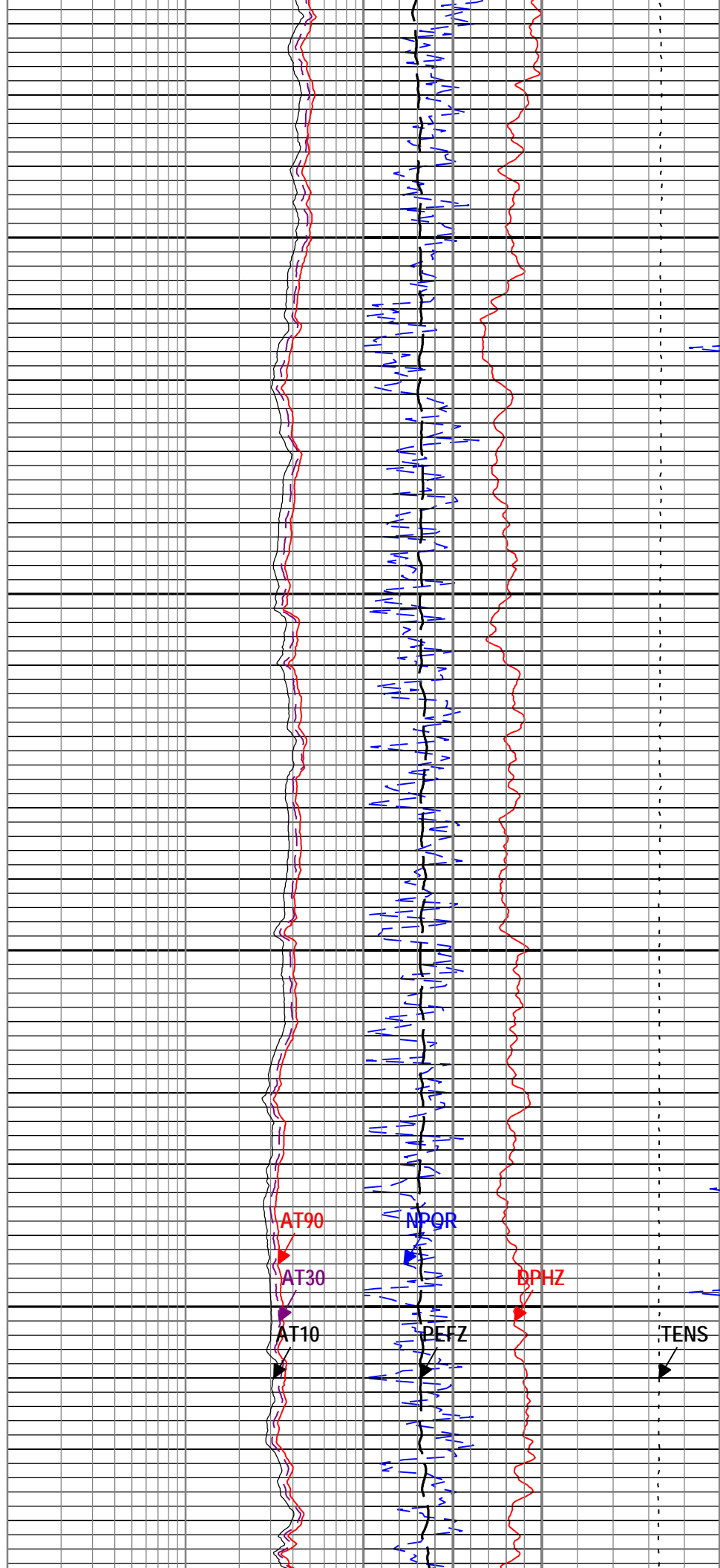
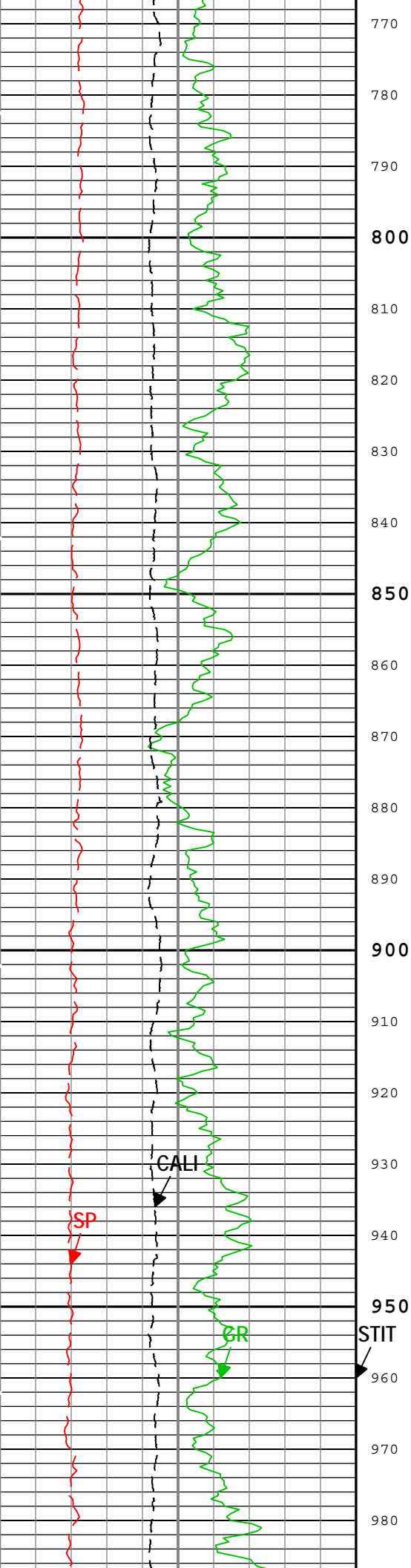
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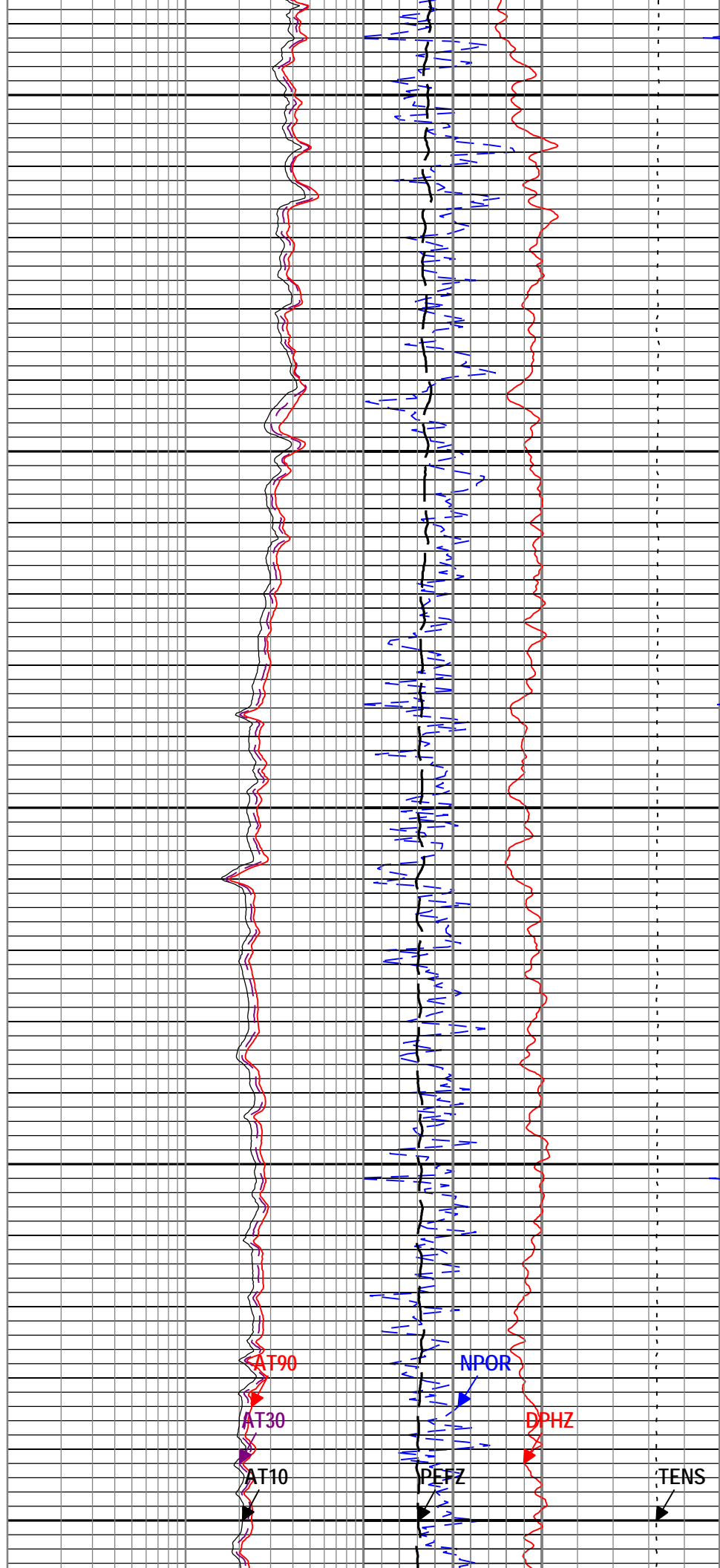
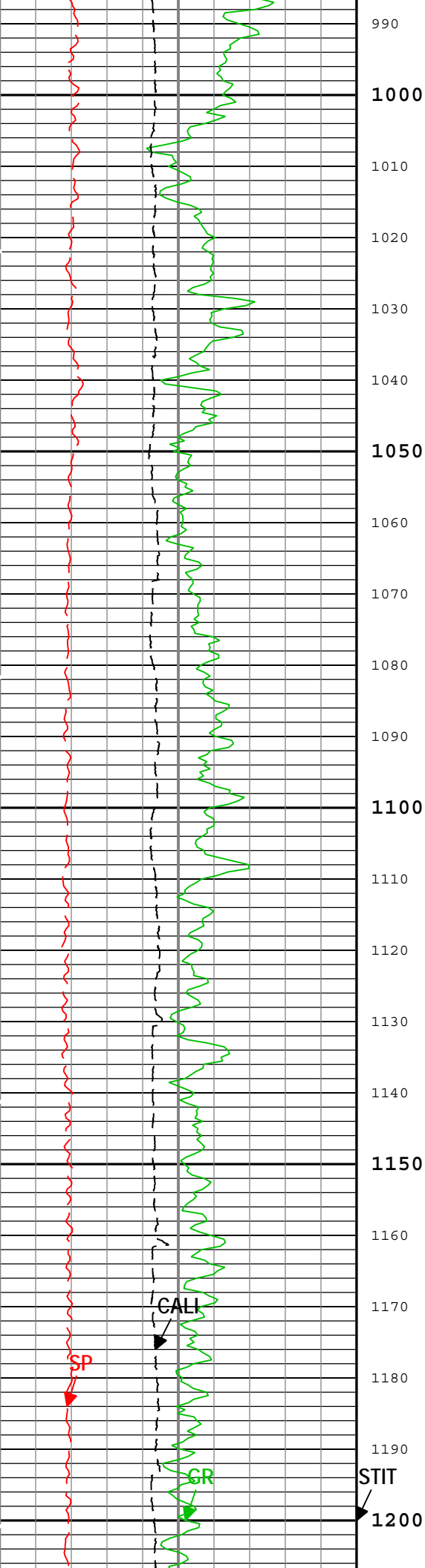


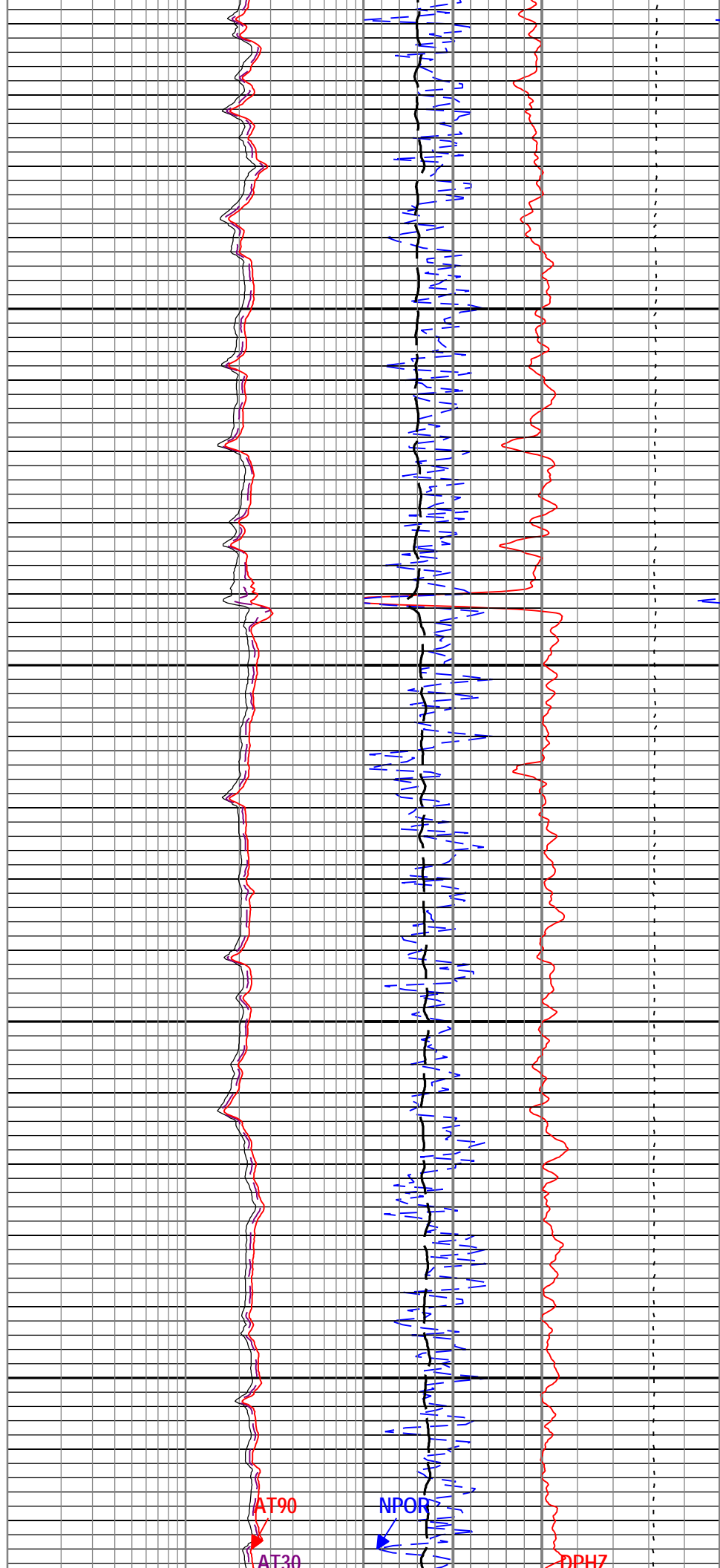
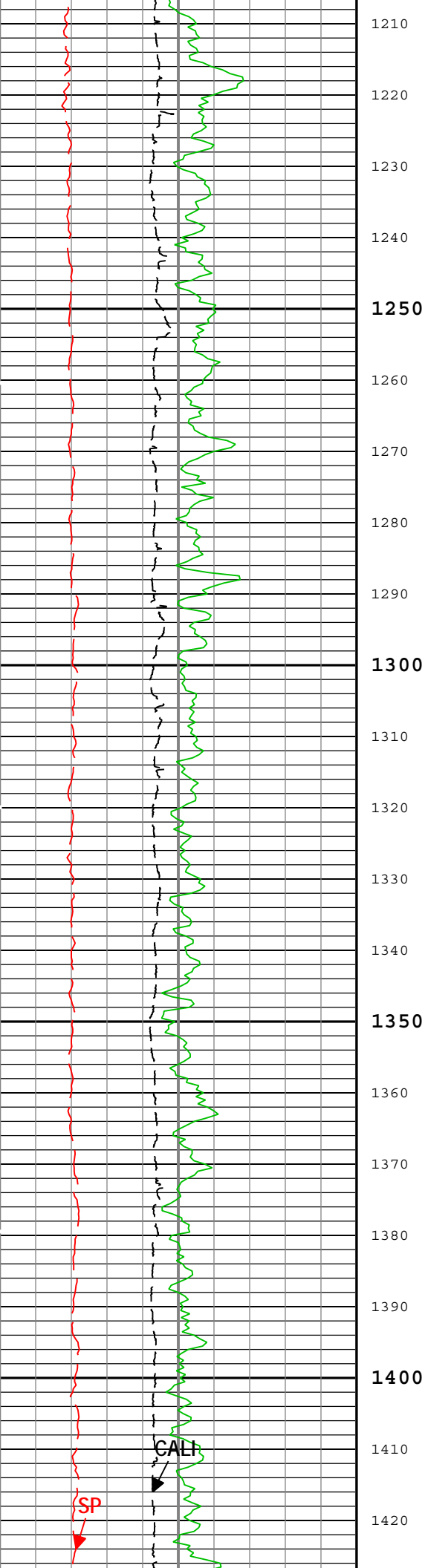


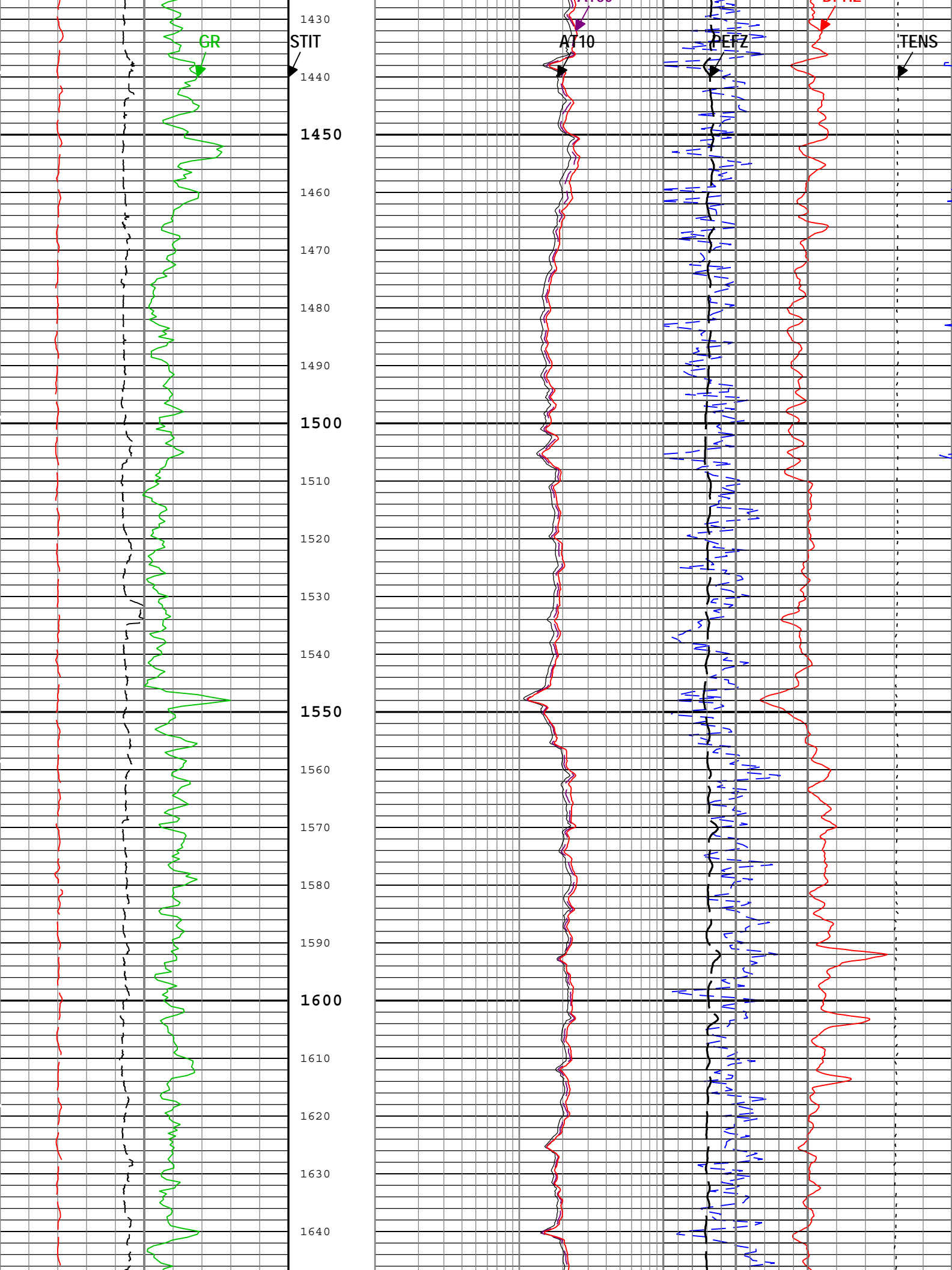


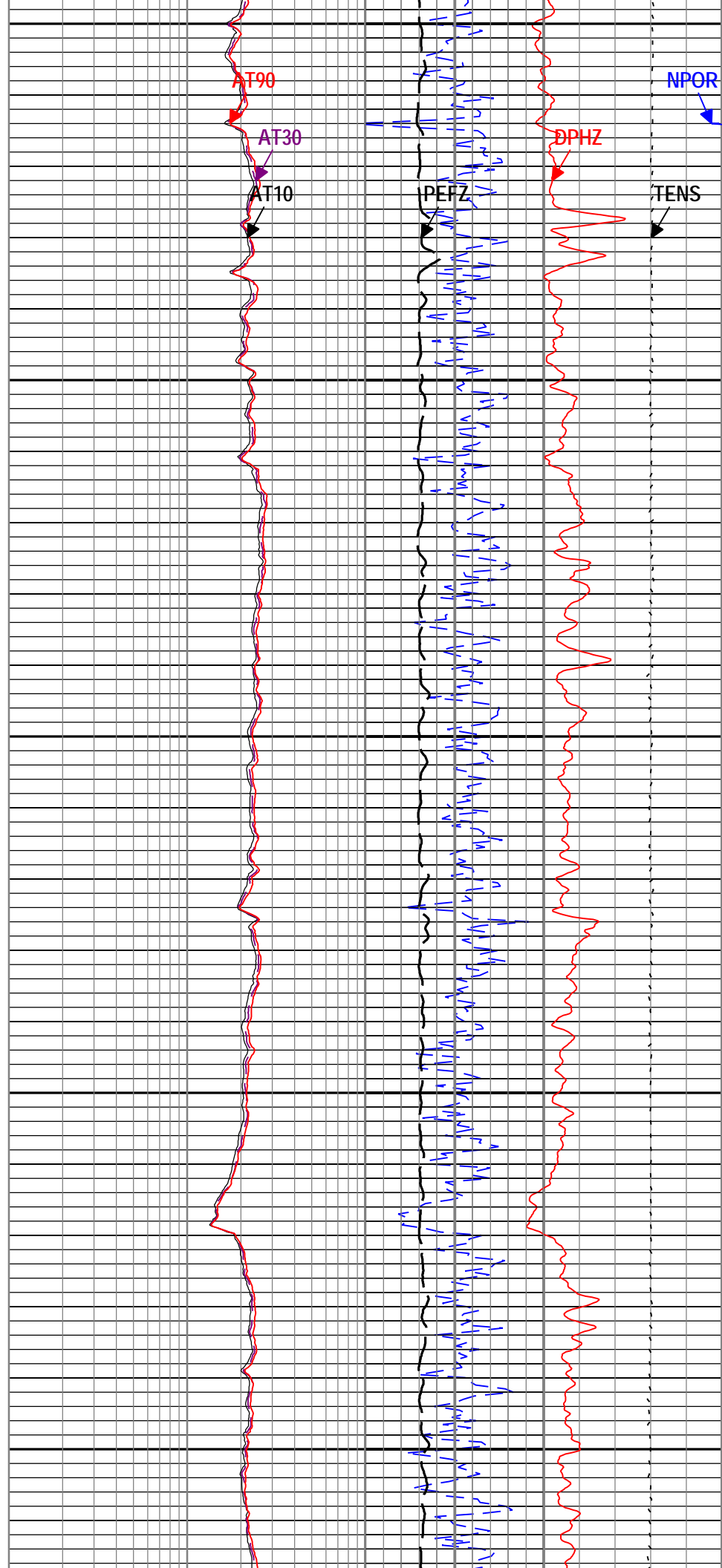
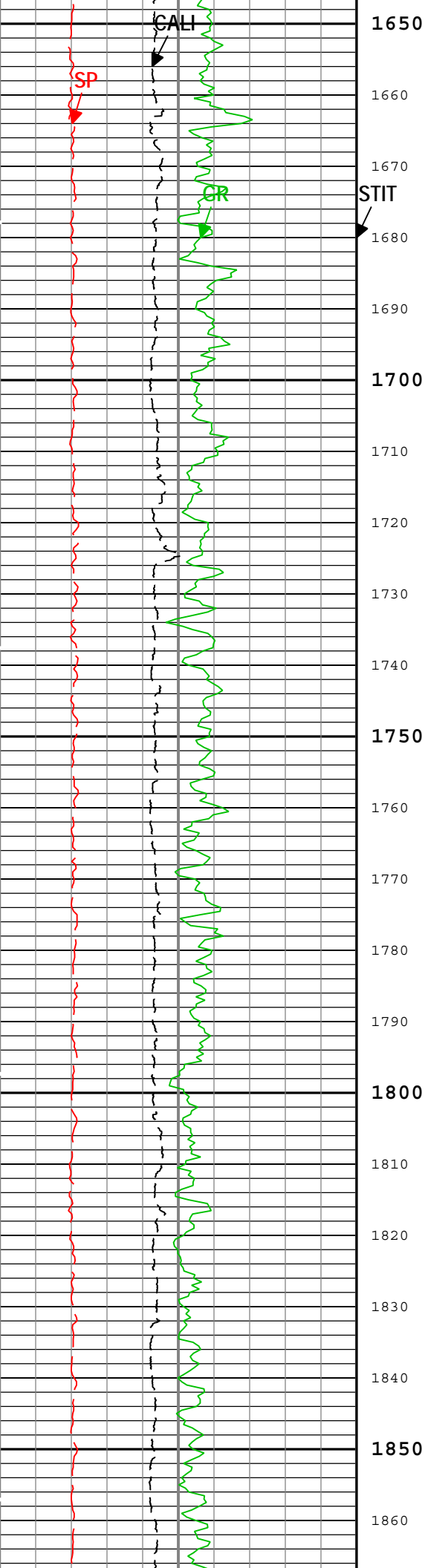


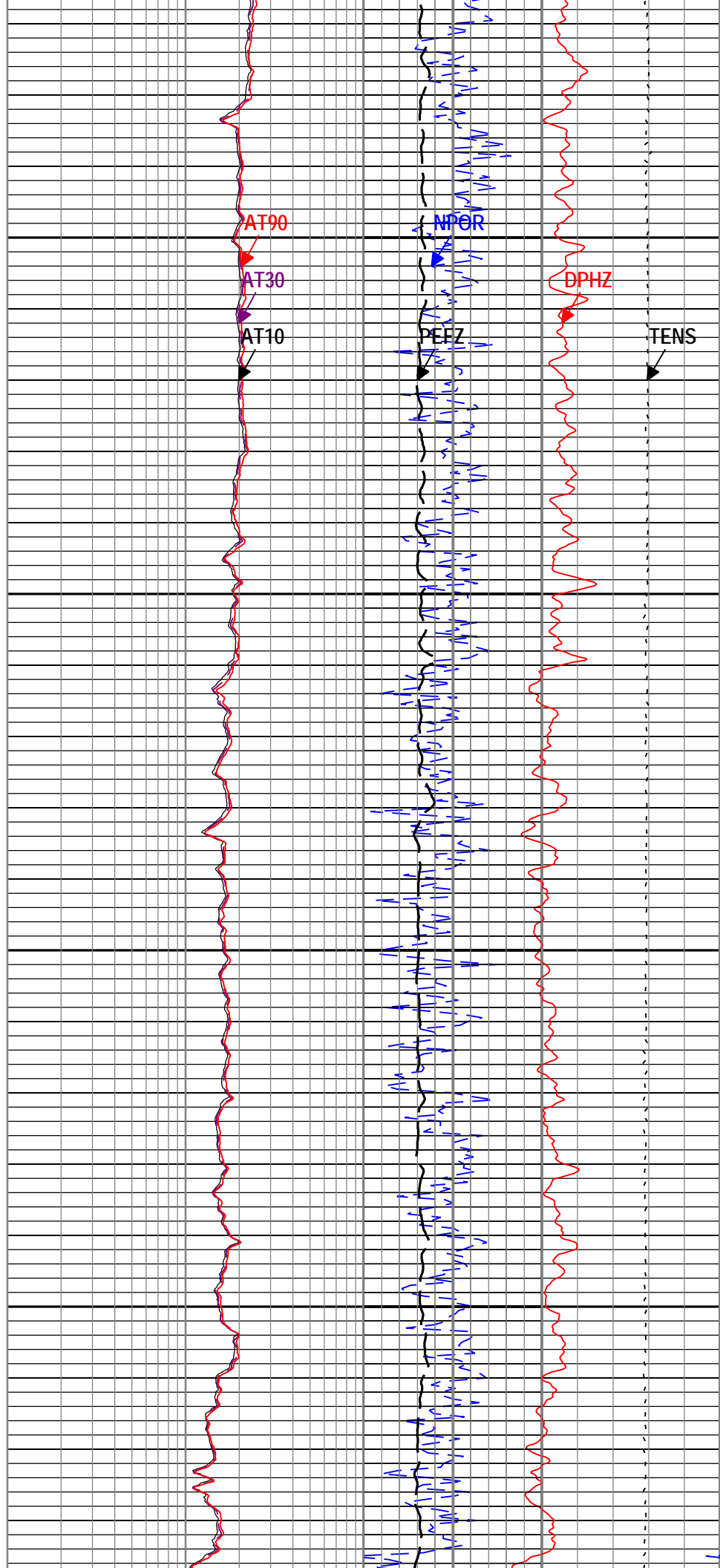
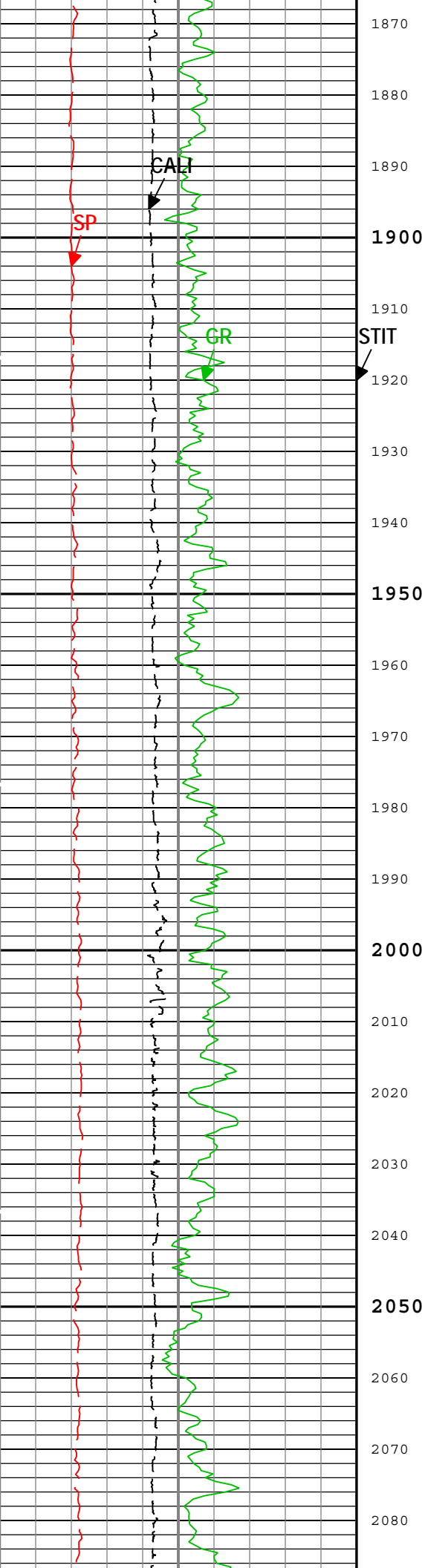


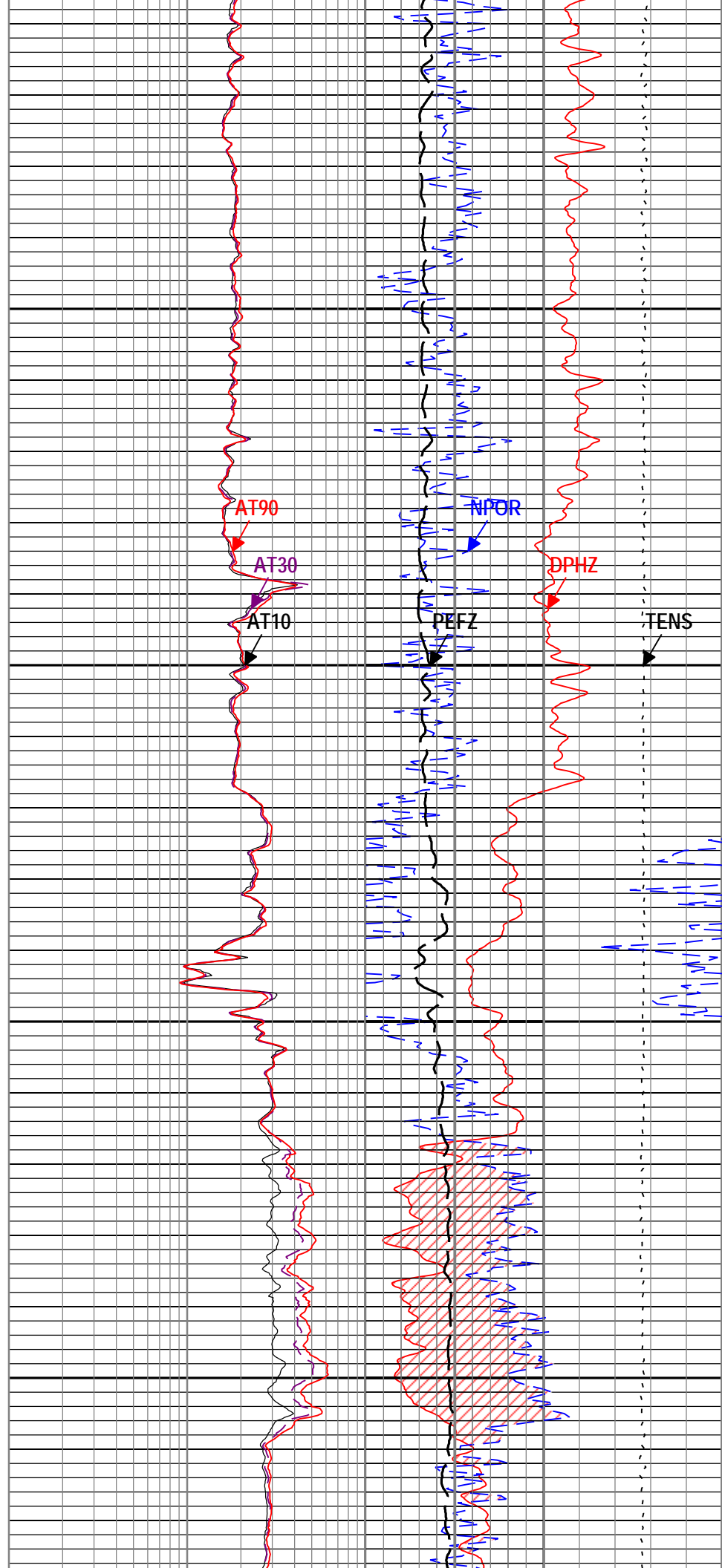
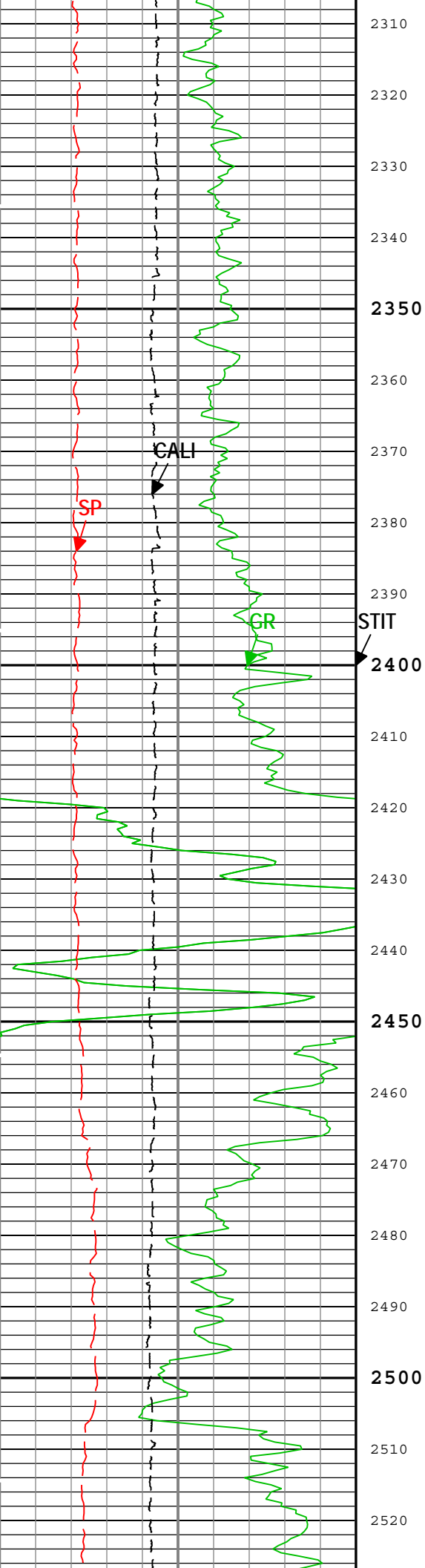


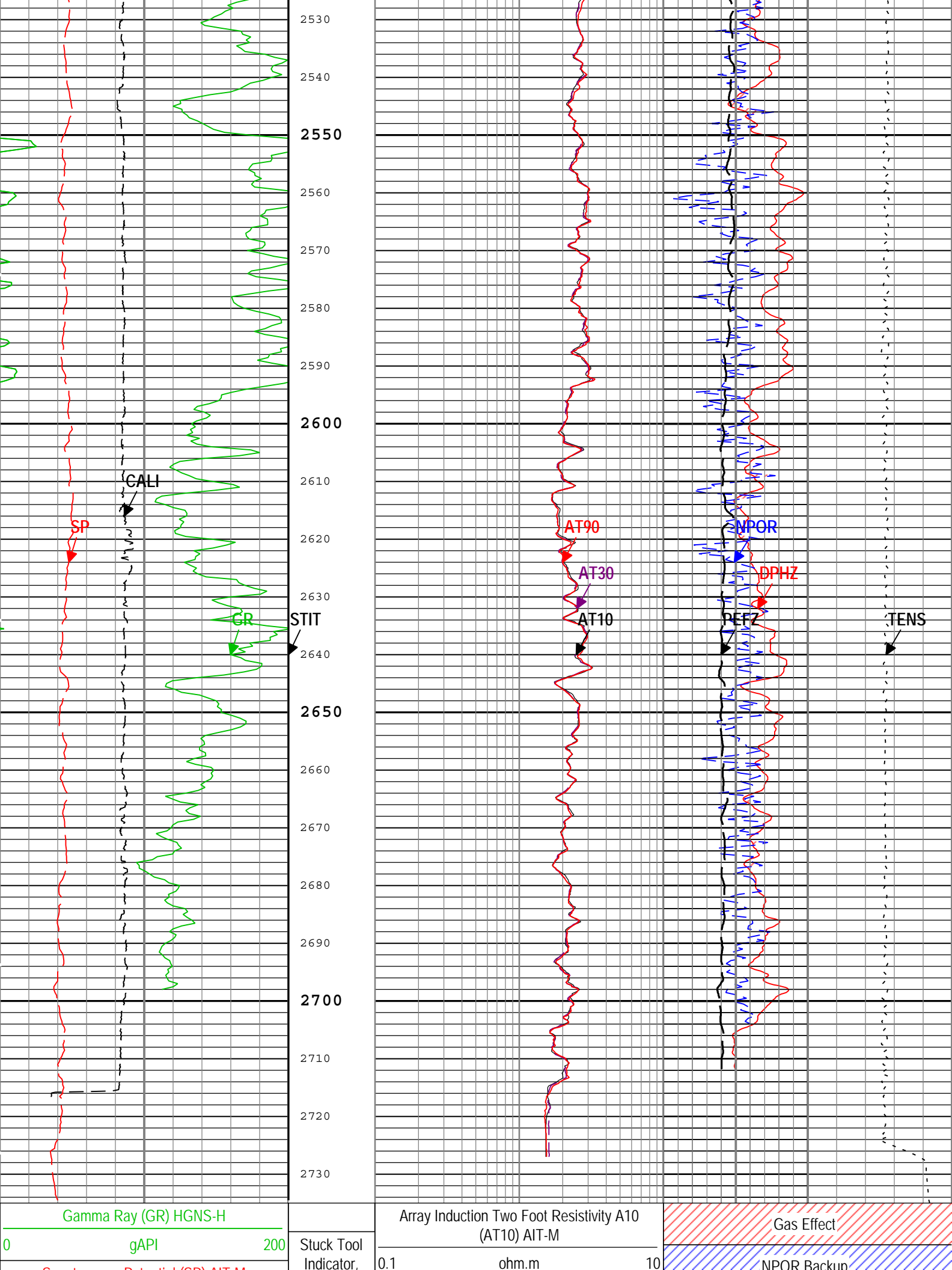












Spontaneous Potential (SP) AIT-M			Total (STIT)			Cable Tension (TENS)		
-160	mV	40	0	ft	50	6000	lbf	0
Caliper (CALI) HDRS-H			Array Induction Two Foot Resistivity A30 (AT30) AIT-M			Standard Resolution Density Porosity (DPHZ) HDRS-H		
2	in	12	0.1	ohm.m	10	0.5	ft3/ft3	0
			Array Induction Two Foot Resistivity A90 (AT90) AIT-M			Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H		
			0.1	ohm.m	10	0.5	m3/m3	0
						Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H		
						0		10

TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo Linear) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 30-Nov-2014 12:59:41

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
AAPL	Array Induction Answer Product Level(Depth Log/View only)	AIT-M	Radial	
ABHM	Array Induction Borehole Correction Mode	AIT-M	Compute Standoff	
ACDE	Array Induction Casing Detection Enable	AIT-M	No	
ACEN	Array Induction Tool Centering Flag (in Borehole)	AIT-M	Eccentered	
AMRF	Array Induction Mud Resistivity Factor	AIT-M	1	
ASTA	Array Induction Tool Standoff	AIT-M	1	in
ATSE	Array Induction Temperature Selection(Sonde Error Correction)	AIT-M	Internal	
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	103	degF
BS	Bit Size	WLSESSION	6.25	in
BSAL	Borehole Salinity	Borehole	13400	ppm
BSCO	Borehole Salinity Correction Option	HGNS-H	No	
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	497	ft
CCCO	Casing & Cement Thickness Correction Option	HGNS-H	No	
CDEN	Cement Density	HGNS-H	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	8.6	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-H	Bit Size	
FD	Fluid Density	Borehole	1	g/cm3
FSAL	Formation Salinity	Borehole	0	ppm
FSCO	Formation Salinity Correction Option	HGNS-H	No	
GCLF	Coal-Like Formation	HDRS-H	No	
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	
GR_MULTIPLIER	Gamma Ray Multiplier	HGNS-H	1	
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	
MCCO	Mud Cake Correction Option	HGNS-H	No	
MDEN	Matrix Density for Density Porosity	Borehole	2.71	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	97	degF
MWCO	Mud Weight Correction Option	HGNS-H	No	
NAAC	Switch for the correction of formation activation by the APS	HDRS-H	Off	
NPRM	HRDD Nuclear Processing Mode	HDRS-H	Standard Resolution	
NTCO	HRDD Nuclear Temperature Correction Option	HDRS-H	On	
PTCO	Pressure Temperature Correction Option	HGNS-H	No	
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.18	ohm.m
SOCN	Standoff Distance	HGNS-H	0.125	in
SOCO	Standoff Correction Option	HGNS-H	Yes	
SPDR	SP Drift Per Foot	AIT-M	0	mV/ft
TD	Total Measured Depth	Borehole	2725	ft
TPOS	Tool Position: Centered or Eccentered	HGNS-H	Eccentered	

Tool Control Parameters				
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
NDTC	Nuclear Dead Time Correction	HDRS-H	On	
NPUC	Nuclear Pile-Up Correction	HDRS-H	Off	
STSO_HRDD	Temperature Source for the Density Algorithm	HDRS-H	HET data channel	

ONE									
Triple Combo Repeat Analysis									

Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
ONE	Log[2]:Up	Up	2374.30 ft	2735.94 ft	30-Nov-2014 11:37:04 AM	30-Nov-2014 11:44:29 AM	ON	0.00 ft	No
ONE	Log[3]:Up	Up	45.73 ft	2734.94 ft	30-Nov-2014 11:49:59 AM	30-Nov-2014 12:40:56 PM	ON	0.00 ft	No

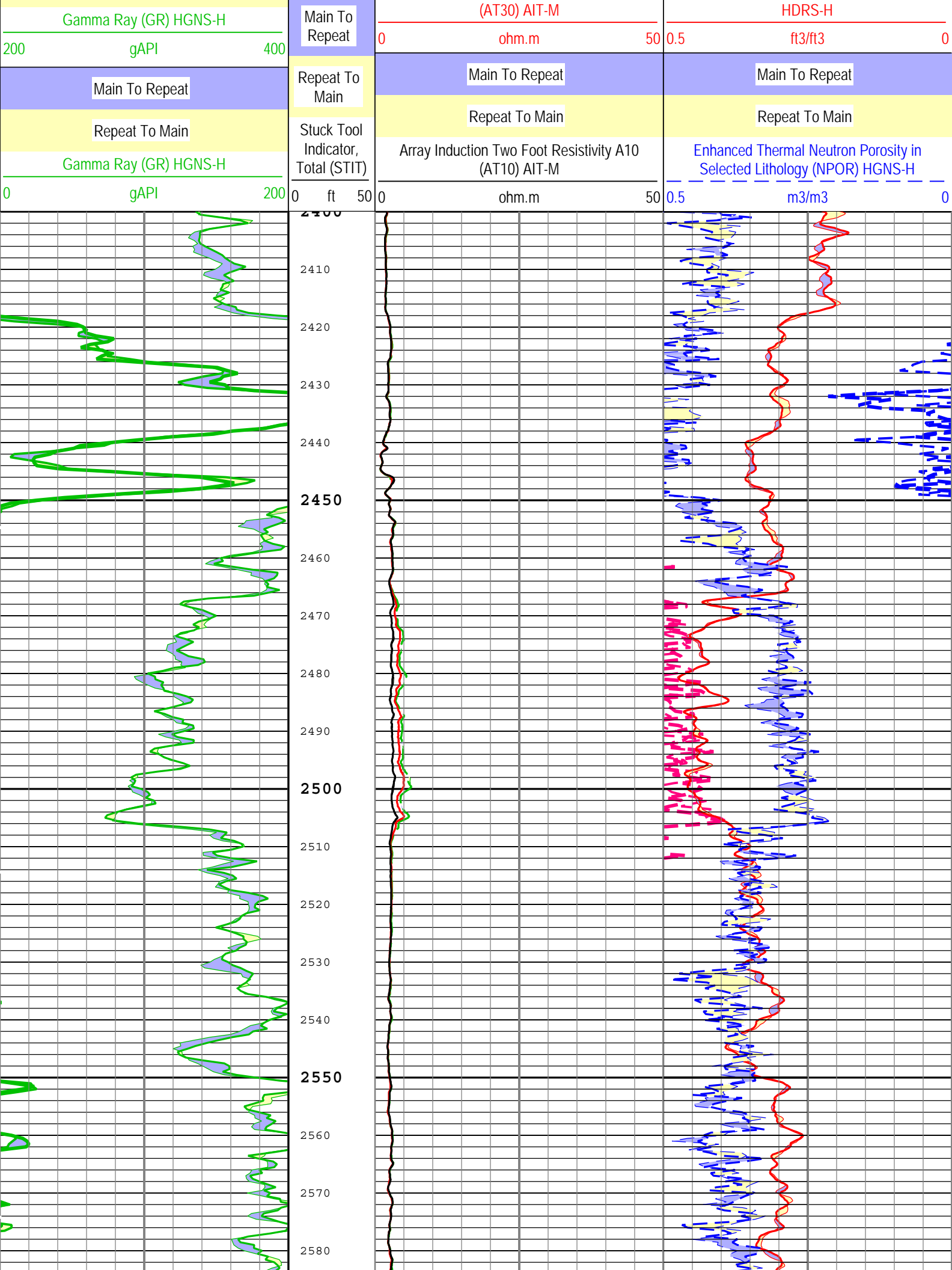
All depths are referenced to toolstring zero

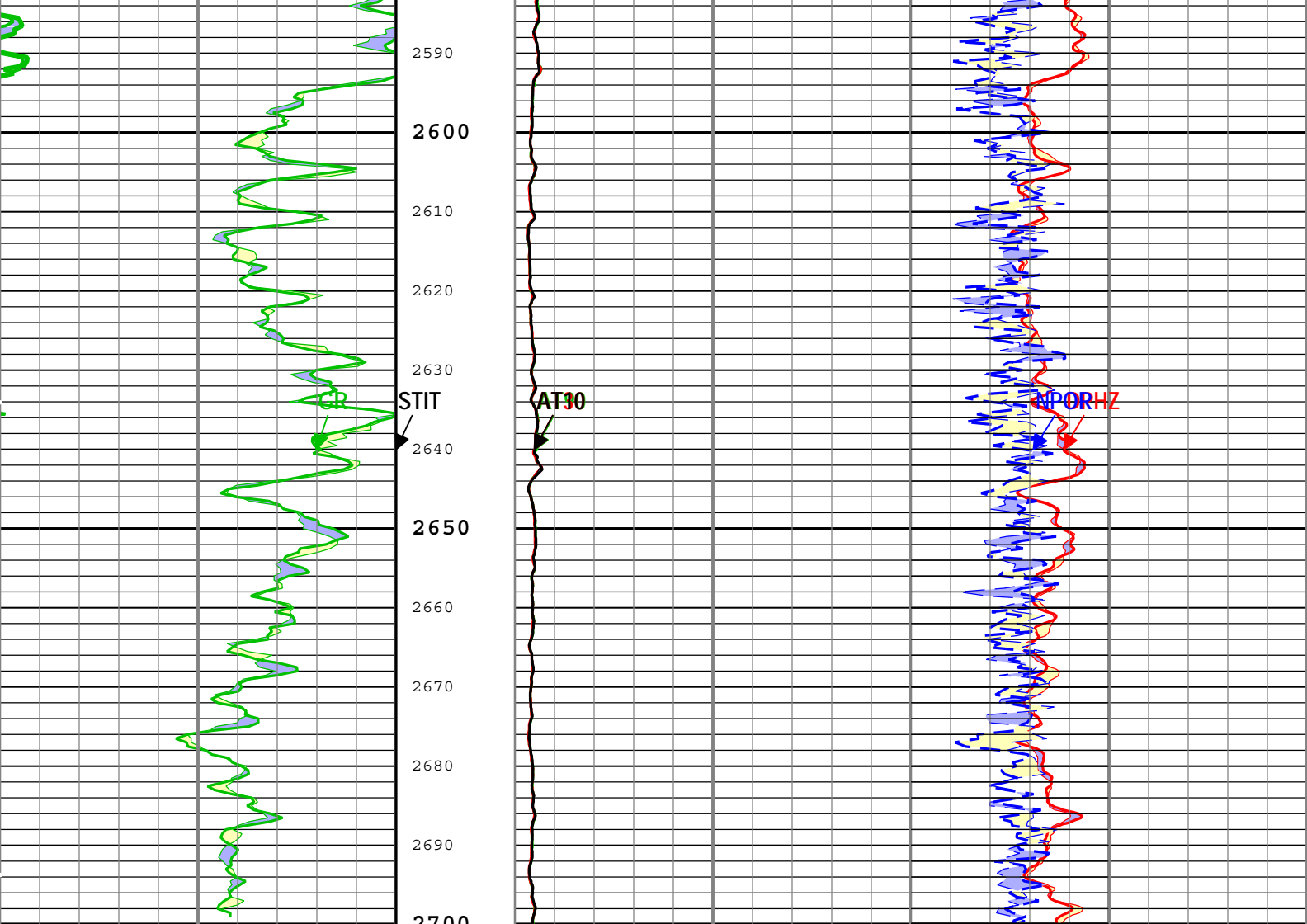
Log	<div>Company:Omimex Petroleum Inc Well:Moss 7-19-7-44</div> <div>ONE: Log[3]:Up:S008</div>								
-----	---	--	--	--	--	--	--	--	--

Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo Linear RA) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 30-Nov-2014 12:59:43

TIME_1900 - Time Marked every 60.00 (s)

		Main To Repeat		Main To Repeat	
		Repeat To Main		Repeat To Main	
		<div>Array Induction Two Foot Resistivity A90 (AT90) AIT-M</div> <div>0ohm.m50</div>		<div>Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H</div> <div>-0.1ft3/ft3-0.5</div>	
		Main To Repeat		Main To Repeat	
Main To Repeat		Repeat To Main		Repeat To Main	
Repeat To Main		Array Induction Two Foot Resistivity A30		Standard Resolution Density Porosity (DPHZ)	





Main To Repeat		
Repeat To Main		
Gamma Ray (GR) HGNS-H		
200	gAPI	400
Main To Repeat		
Repeat To Main		
Gamma Ray (GR) HGNS-H		
0	gAPI	200

Main To Repeat
Repeat To Main
Stuck Tool Indicator, Total (STIT)
0 ft 50

Main To Repeat		
Repeat To Main		
Array Induction Two Foot Resistivity A90 (AT90) AIT-M		
0	ohm.m	50
Main To Repeat		
Repeat To Main		
Array Induction Two Foot Resistivity A30 (AT30) AIT-M		
0	ohm.m	50
Main To Repeat		
Repeat To Main		
Array Induction Two Foot Resistivity A10 (AT10) AIT-M		
0	ohm.m	50

Main To Repeat		
Repeat To Main		
Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H		
-0.1	ft3/ft3	-0.5
Main To Repeat		
Repeat To Main		
Standard Resolution Density Porosity (DPHZ) HDRS-H		
0.5	ft3/ft3	0
Main To Repeat		
Repeat To Main		
Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H		
0.5	m3/m3	0

TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo Linear RA) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 30-Nov-2014 12:59:43

Primary Equipment :

File code for AIT-MA Sonde Tool Element

AMIS

181

Auxiliary Equipment :

File code for AIT Bottom Nose Tool Element

AMRM

AIT Sonde Calibration - Test Loop Gain

Master (EEPROM): 23:01:59 22-Sep-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Test Loop Gain - 0		Master	1.000	0.950	1.041	1.050	
Test Loop Phase - 0	deg	Master	0	-3.000	1.805	3.000	
Test Loop Gain - 1		Master	1.000	0.950	1.017	1.050	
Test Loop Phase - 1	deg	Master	0	-3.000	0.902	3.000	
Test Loop Gain - 2		Master	1.000	0.950	1.017	1.050	
Test Loop Phase - 2	deg	Master	0	-3.000	0.392	3.000	
Test Loop Gain - 3		Master	1.000	0.950	1.016	1.050	
Test Loop Phase - 3	deg	Master	0	-3.000	0.089	3.000	
Test Loop Gain - 4		Master	1.000	0.950	1.009	1.050	
Test Loop Phase - 4	deg	Master	0	-3.000	0.141	3.000	
Test Loop Gain - 5		Master	1.000	0.950	0.991	1.050	
Test Loop Phase - 5	deg	Master	0	-3.000	-0.110	3.000	
Test Loop Gain - 6		Master	1.000	0.950	0.998	1.050	
Test Loop Phase - 6	deg	Master	0	-3.000	0.235	3.000	
Test Loop Gain - 7		Master	1.000	0.950	1.010	1.050	
Test Loop Phase - 7	deg	Master	0	-3.000	-0.080	3.000	

AIT Sonde Calibration - Sonde Error Correction

Master (EEPROM): 23:01:59 22-Sep-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Sonde Error Correction Real - 0	mS/m	Master	-----	-231.000	-113.093	119.000	
Sonde Error Correction Quad - 0		Master	-----	-2250.000	114.931	2250.000	
Sonde Error Correction Real - 1	mS/m	Master	-----	114.000	157.599	204.000	
Sonde Error Correction Quad - 1		Master	-----	-625.000	-170.942	625.000	
Sonde Error Correction Real - 2	mS/m	Master	-----	66.000	115.105	156.000	
Sonde Error Correction Quad - 2		Master	-----	-350.000	-99.364	350.000	
Sonde Error Correction Real - 3	mS/m	Master	-----	39.000	49.447	89.000	
Sonde Error Correction Quad - 3		Master	-----	-250.000	2.279	250.000	
Sonde Error Correction Real - 4	mS/m	Master	-----	15.000	26.217	35.000	
Sonde Error Correction Quad - 4		Master	-----	-63.000	-3.708	63.000	
Sonde Error Correction Real - 5	mS/m	Master	-----	4.000	10.870	24.000	
Sonde Error Correction Quad - 5		Master	-----	-50.000	21.802	50.000	
Sonde Error Correction Real - 6	mS/m	Master	-----	5.000	9.914	15.000	
Sonde Error Correction Quad - 6		Master	-----	-30.000	2.857	30.000	
Sonde Error Correction Real - 7	mS/m	Master	-----	-5.000	-1.286	5.000	
Sonde Error Correction Quad - 7		Master	-----	-30.000	1.530	30.000	

AIT Mud Calibration - Mud Calibration Gain

Master (EEPROM): 23:01:59 22-Sep-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Coarse Gain		Master	1.000	0.800	0.914	1.200	
Fine Gain		Master	1.000	0.800	0.910	1.200	

AIT Electronics Check - Thru Calibration Check

Master (EEPROM): 23:01:59 22-Sep-2014

Before (Measured):

21:35:58 29-Nov-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Thru Cal Mag - 0	V	Master	-----	0.366	0.575	0.854	
		Before	-----	0.366	0.575	0.854	
		Before-Master	-----	-----	0.000	-----	
Thru Cal Phase - 0	deg	Master	-----	137.000	-168.869	-103.000	
		Before	-----	137.000	-168.947	-103.000	
		Before-Master	-----	-----	-0.078	-----	
Thru Cal Mag - 1	V	Master	-----	0.762	1.178	1.778	
		Before	-----	0.762	1.178	1.778	
		Before-Master	-----	-----	0.000	-----	
Thru Cal Phase - 1	deg	Master	-----	136.000	-169.968	-104.000	
		Before	-----	136.000	-170.048	-104.000	
		Before-Master	-----	-----	0.000	-----	

		Before-Master	-----	-----	-0.080	-----	
Thru Cal Mag - 2	V	Master	-----	0.372	0.585	0.868	
		Before	-----	0.372	0.585	0.868	
		Before-Master	-----	-----	0.000	-----	
Thru Cal Phase - 2	deg	Master	-----	132.000	-173.610	-108.000	
		Before	-----	132.000	-173.689	-108.000	
		Before-Master	-----	-----	-0.079	-----	
Thru Cal Mag - 3	V	Master	-----	0.420	0.660	0.980	
		Before	-----	0.420	0.660	0.980	
		Before-Master	-----	-----	0.000	-----	
Thru Cal Phase - 3	deg	Master	-----	131.000	-174.388	-109.000	
		Before	-----	131.000	-174.466	-109.000	
		Before-Master	-----	-----	-0.078	-----	
Thru Cal Mag - 4	V	Master	-----	0.804	1.233	1.876	
		Before	-----	0.804	1.233	1.876	
		Before-Master	-----	-----	0.000	-----	
Thru Cal Phase - 4	deg	Master	-----	125.000	179.345	-115.000	
		Before	-----	125.000	179.265	-115.000	
		Before-Master	-----	-----	-0.080	-----	
Thru Cal Mag - 5	V	Master	-----	1.176	1.795	2.744	
		Before	-----	1.176	1.795	2.744	
		Before-Master	-----	-----	0.000	-----	
Thru Cal Phase - 5	deg	Master	-----	122.000	177.695	-118.000	
		Before	-----	122.000	177.612	-118.000	
		Before-Master	-----	-----	-0.083	-----	
Thru Cal Mag - 6	V	Master	-----	1.176	1.794	2.744	
		Before	-----	1.176	1.795	2.744	
		Before-Master	-----	-----	0.001	-----	
Thru Cal Phase - 6	deg	Master	-----	121.000	177.703	-119.000	
		Before	-----	121.000	177.620	-119.000	
		Before-Master	-----	-----	-0.083	-----	
Thru Cal Mag - 7	V	Master	-----	0.846	1.294	1.974	
		Before	-----	0.846	1.294	1.974	
		Before-Master	-----	-----	0.000	-----	
Thru Cal Phase - 7	deg	Master	-----	115.000	176.991	-125.000	
		Before	-----	115.000	176.895	-125.000	
		Before-Master	-----	-----	-0.096	-----	
SPA Zero	mV	Master		-50.000	0.139	50.000	
		Before		-50.000	0.142	50.000	
		Before-Master	-----	-----	0.003	-----	
SPA Plus	mV	Master		941.000	992.344	1040.000	
		Before		941.000	992.369	1040.000	
		Before-Master	-----	-----	0.025	-----	
Temperature Zero	V	Master		-0.050	0.000	0.050	
		Before		-0.050	0.000	0.050	
		Before-Master	-----	-----	0.000	-----	
Temperature Plus	V	Master		0.870	0.919	0.960	
		Before		0.870	0.919	0.960	
		Before-Master	-----	-----	0.000	-----	

HDRS-H (HILT Density and Rxo Sonde, 150 degC) Calibration - Run ONE			
Primary Equipment :			
	HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	
	HILT Resistivity Gamma-Ray Density Device, 150 degC	HRGD-H	5788
Auxiliary Equipment :			
	HRDD Backscatter Detector	Backscatter	26961
	HRDD Long Spacing Detector	Long Spacing	
	HRDD Short Spacing Detector	Short Spacing	
	Cesium 137 Gamma-Ray Logging Source	GSR-J	5416
	HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	
	HILT High-Resolution Mechanical Sonde, 150 degC	HRMS-H	
Calibration Parameter :			
	Small Ring Size (Caliper Calibration Small Ring)	8.00	

HDRS Caliper Calibration - Caliper Accumulations

Before (Measured): 21:38:36 29-Nov-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Small Ring	in	Before	8.00	6.00	7.48	10.00	
Large Ring	in	Before	12.00	9.00	11.83	15.00	

HDRS Density Calibration - Inversion Results

Master (EEPROM): 20:27:56 23-Nov-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Rho Aluminum	g/cm3	Master	2.596	2.586	2.601	2.606	
Rho Magnesium	g/cm3	Master	1.686	1.676	1.687	1.696	
Pe Aluminum		Master	2.570	2.470	2.551	2.670	
Pe Magnesium		Master	2.650	2.550	2.618	2.750	

HDRS Density Calibration - Deviation Summary

Master (EEPROM): 20:27:56 23-Nov-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Average Deviation	%	Master	0	-0.6000	0.5423	0.6000	
BS Max Deviation	%	Master	0	-1.6000	1.2077	1.6000	
SS Average Deviation	%	Master	0	-1.0000	0.3823	1.0000	
SS Max Deviation	%	Master	0	-2.5000	1.8875	2.5000	
LS Average Deviation	%	Master	0	-1.5000	0.6426	1.5000	
LS Max Deviation	%	Master	0	-3.5000	1.9918	3.5000	

HDRS Density Calibration - Background Summary

Master (EEPROM): 20:27:56 23-Nov-2014 Before (Measured): 21:35:25 29-Nov-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Window Ratio		Master	1.0000		0.7470		
		Before	0.7470	0.7097	0.7474	0.7844	
		Before-Master	-----	-----	0.0004	-----	
BS Window Sum	1/s	Master	1		24968		
		Before	24968	23719	24966	26216	
		Before-Master	-----	-----	-2	-----	
SS Window Ratio		Master	1.0000		0.4888		
		Before	0.4888	0.4644	0.4898	0.5133	
		Before-Master	-----	-----	0.0010	-----	
SS Window Sum	1/s	Master	1		11963		
		Before	11963	11365	11953	12562	
		Before-Master	-----	-----	-10	-----	
LS Window Ratio		Master	1.0000		0.2999		
		Before	0.2999	0.2850	0.2982	0.3149	
		Before-Master	-----	-----	-0.0017	-----	
LS Window Sum	1/s	Master	1		1352		
		Before	1352	1285	1347	1420	
		Before-Master	-----	-----	-5	-----	

HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM): 20:27:56 23-Nov-2014 Before (Measured): 21:35:25 29-Nov-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS PM High Voltage	V	Master		1000	1521	2400	
		Before		1000	1498	2400	
		Before-Master	-----	-100	-23	100	
SS PM High Voltage	V	Master		1000	1897	2400	
		Before		1000	1870	2400	
		Before-Master	-----	-100	-27	100	
LS PM High Voltage	V	Master		1000	1263	2400	
		Before		1000	1267	2400	
		Before-Master	-----	-100	4	100	

HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM): 20:27:56 23-Nov-2014 Before (Measured): 21:35:25 29-Nov-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Crystal Resolution	%	Master		5.00	10.97	25.00	
		Before		5.00	10.95	25.00	
		Before-Master	-----	-1.00	-0.02	1.00	
SS Crystal Resolution	%	Master		5.00	9.79	20.00	

		Before		5.00	9.77	20.00	
		Before-Master	-----	-1.00	-0.02	1.00	
LS Crystal Resolution	%	Master		5.00	8.36	20.00	
		Before		5.00	8.25	20.00	
		Before-Master	-----	-1.00	-0.11	1.00	

HDRS MCFL Calibration - MCFL Accumulations

Before (Measured): 21:31:47 29-Nov-2014							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3889	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3826	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3849	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	
Auxiliary Equipment :			
HGNS Accelerometer, 150 degC		HACCZ-H	6991
AmBe Neutron Logging Source		NSR-F	2554
Calibration Parameter :			
Water Temperature			
Housing Size			
JIG-BKG (Jig minus background reference)		165	

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before (Measured): 11:21:08 30-Nov-2014							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	ft/s2	Before	32.2	31.5	32.1	32.8	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (EEPROM): 00:00:00 15-May-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	-----	-----	-4298.000	-----	
Accelerometer Coefficients - 1		Master	-----	-----	50.180	-----	
Accelerometer Coefficients - 2		Master	-----	-----	-0.002	-----	
Accelerometer Coefficients - 3		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 4		Master	-----	-----	2.754	-----	
Accelerometer Coefficients - 5		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 6		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 7		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 8		Master	-----	-----	300.500	-----	
Accelerometer Coefficients - 9		Master	-----	-----	0.994	-----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (EEPROM): 16:20:48 22-Oct-2014				Before (Measured): 21:33:54 29-Nov-2014			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement	1/s	Master	0	5.0	28.0	40.0	
		Before	0	5.0	27.1	40.0	
		Before-Master	-----	-4.2	-0.9	4.2	
Far Zero Measurement	1/s	Master	0	5.0	27.3	40.0	
		Before	0	5.0	31.9	40.0	
		Before-Master	-----	-4.1	4.6	4.1	
Near Plus Measurement	1/s	Master	6031.0	4700.0	5698.0	6900.0	
		Before	-----	-----	-----	-----	
		Before-Master	-----	-----	-----	-----	
Far Plus Measurement	1/s	Master	2793.0	1900.0	2348.0	2900.0	
		Before	-----	-----	-----	-----	
		Before-Master	-----	-----	-----	-----	
Near Corrected Plus Measurement	1/s	Master		4700.0	5673.0	6900.0	
		Before	-----	-----	-----	-----	
		Before-Master	-----	-----	-----	-----	

		Before-Master	-----	-----	-----	-----	<div><div></div></div>
Far Corrected Plus Measurement	1/s	Master Before	-----	1900.0	2321.0	2900.0	<div><div></div></div>
		Before-Master	-----	-----	-----	-----	<div><div></div></div>
HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations							
Before (Measured):		21:45:18 29-Nov-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div></div>
RGR Zero Measurement	gAPI	Before	30.0	0	118.6	120.0	<div><div></div></div>
RGR Plus Measurement	gAPI	Before	185.4	157.1	171.6	206.3	<div><div></div></div>
GR Calibration Gain		Before	0.89	0.80	0.96	1.05	<div><div></div></div>

Company:	Omimex Petroleum Inc	Schlumberger
Well:	Moss 7-19-7-44	
Field:	Holyoke South	
County:	Phillips	
State:	Colorado	
Platform Express		
Triple Combo		
Linear		