



Potassium	%	N/A									
<b>Environmental data</b>											
<b>GR</b>											
Mud weight	ppg	10.1									
Bit size	in.	8.5									
<b>Resistivity</b>											
<b>Neutron porosity</b>											
Hole Size	in.	8.5									
Mud weight	ppg	10.1									
Temperature	°C	108.0									
Mud salinity	ppk	61.3									
Formation salinity		N/A									
Recording rate 1	SEC	5 (ADN)									
Recording rate 2	SEC	6 (ARC)									
Filtering GR		3 pts									
Filtering density		3 pts									
Filtering Neutron		3 pts									
Company representative		D.Bareswell	J.Bennett								
Schlumberger D&M Personnel		C.Skiba	M.Amarasena	A.Kohli	C.Soper	L.Muskett					

<p style="text-align: center;"><b>DISCLAIMER</b></p> <p>THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.</p>		
<b>OTHER SERVICES FOR RUN 3</b> Directional Drilling Directional Surveys Annular Pressure & Temperature Shock & Vibrations	<b>OTHER SERVICES FOR RUN</b>	<b>OTHER SERVICES FOR RUN</b>
<b>REMARKS: RUN NUMBER 3</b>  Depth is referenced to Driller's Depth.  Gamma Ray is corrected for mud weight, tool size and bit size.  Resistivity is borehole compensated and environmentally corrected.  Neutron Porosity is corrected for the effects of borehole size (bit size), temperature mud salinity and mud hydrogen index, (a factor of mud weight, mud temperature and pressure).  Neutron Porosity is calculated using a limestone matrix density of 2.71 g/cm3.  Delta-T is borehole compensated.  POOH upon reaching TD of FTA A10A.	<b>REMARKS: RUN NUMBER</b>	<b>REMARKS: RUN NUMBER</b>

<b>EQUIPMENT DESCRIPTION</b>		
<b>RUN 3</b>	<b>RUN</b>	<b>RUN</b>

DOWNHOLE EQUIPMENT

6-3/4" adnVISION\* Neutron F 35.62 37.34  
DHS: V8.3 Neutron N 35.46  
Blade OD: 8-1/4" Density S 34.51  
S/N: 373 Density L 34.42  
UltraSonic 34.03  
R-O Port 33.27



6-3/4" sonicVISION\* 31.25  
DHS: V6.6B04  
S/N: 42256  
Delta-T 27.91  
R-O port 27.52



8-3/8" ILS 23.68  
S/N: OSS061160



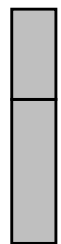
6-3/4" TeleScope\* 22.85  
MDC: FA28  
PMEC: AB-373  
MDI: CA-1565  
MVC: 282  
D&I 18.50  
MVC 17.75



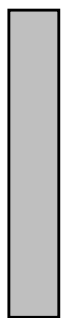
8-3/8" ILS 14.84  
S/N: OSS070113  
T5 11.51  
T3 11.41  
11.11



6-3/4" arcVISION\* 13.84  
DHS: V9.3B13 T1 10.80  
S/N: FY68 Gamma Ray 10.45  
Receiver 10.40  
T2 10.14  
T4 9.84  
ARC APRS 9.68



6-3/4" PowerDrive Xceed\* 7.92  
S/N: CRSC-111



8-1/2" Reed-Hycalog PDC Bit 0.00 0.26  
S/N: 2144575



Maximum string diameter 8-1/2 in.  
All lengths in Metres

Variable Name	Variable Description	Run Name & Value
Run Number		3
General Information		
BHT_RM	Bottom Hole Temperature (RM)	108.000000
BSAL_RM	Mud Salinity (RM)	18.051043
BS_RM	Bit Size (RM)	8.500000
COEF_M	User Defined FEXP in Clean Sand	1.650000
C_WS	Overpressure correction to Sw and M	1.000000
FEXP	Formation Factor Exponent (RM)	2.000000
FNUM	Formation Factor Enumerator (RM)	1.000000
FPHI_RM	Formation Factor Porosity Source (RM)	XPLOT
MST_RM	Mud Sample temperature (RM)	20.000000
MW_RM	Mud Weight (RM)	10.150000
OBMF_RM	Oil Based Mud (RM)	YES
RHOF_RM	Mud Filtrate Density (RM)	1.000000
RHOM_RM	Matrix density (RM)	2.710000
RMS_RM	Resistivity of Mud Sample (RM)	1000.000000
RWA_COMP_M	Rwa computation model	BASIC
RWA_DEN_AD	Rwa Density Input ADN	RHOB
RWA_DEN_CD	Rwa Density Input CDN	RHOB
RWA_DEN_IN	Rwa Density Input	RHOB
RWA_FORM_M	Rwa computation formation model	CLASTIC
RWA_RES_IN	Rwa computation resistivity input	P34H
RWS_RM	Resistivity of Connate Water (RM)	1.000000
SHT_RM	Surface Hole Temperature (RM)	
TD_RM	Total Measured Depth (RM)	4580.000000
TWS_RM	Temperature of Connate Water (RM)	75.000000
VF_ILLI	Fraction of illite in shales	0.500000
VF_KAOL	Fraction of kaolinite in shales	0.500000
VF_MONT	Fraction of montmorillonite in shales	0.000000
XPDM_RM	Cross plot density porosity multiplier	0.675000
XPNM_RM	Cross plot neutron porosity multiplier	0.325000
ARC		
LWD_RM/STATION	FILE/PARAMETER Station Time-frame file name	Station
A12A	ARC Air Cal Attenuation From T1 at 2 MHz	9.000460
A14A	ARC Air Cal Attenuation From T1 at 400 KHz	8.989840
A22A	ARC Air Cal Attenuation From T2 at 2 MHz	5.945480
A24A	ARC Air Cal Attenuation From T2 at 400 KHz	5.961420
A32A	ARC Air Cal Attenuation From T3 at 2 MHz	5.634610
A34A	ARC Air Cal Attenuation From T3 at 400 KHz	5.614270
A42A	ARC Air Cal Attenuation From T4 at 2 MHz	3.857180
A44A	ARC Air Cal Attenuation From T4 at 400 KHz	3.867080
A52A	ARC Air Cal Attenuation From T5 at 2 MHz	4.191150
A54A	ARC Air Cal Attenuation From T5 at 400 KHz	4.181250
ABNT	Abnormal Transmitter Indicator	No_Tx_Failed
ADHS	ARC Down Hole Software Version	No_Tx_Failed
ANISO_COMP	Anisotropy Computation Option	YES
APICG	ARC5 Gamma Ray Gain Factor	1.050190
APIG	ARC Gamma Ray API Gain Factor	-1.000000
ATMP_ARC	ARC Select Temperature Channel	Annulus_Temp
ATRN	ARC Tool Run Number	5
ATSN	ARC Tool Serial Number	Annulus_Temp
AZMF	Formation DIP Azimuth	0.000000
BH_COMPUTE	Borehole Inversion Computation Option	YES
CALG	ARC Gamma Ray Cal Gain Factor	1.050190
CALI_SLCT	ARC Caliper Selection	BITSIZE
CDPTH_ARC	Process Start Depth	100.000000
DIELEC_COM	Dielectric Computation Option	YES
DIPF	Formation DIP Angle	0.000000
ERRCT	Percentage Error Cutoff	4.500000
GRSH	GR Shale (Invasion Computation Cutoff)	1000.000000
HIGH_BLEND	High Resistivity Threshold for Blending	2.000000
INCLIN_B0	ARC Bias Constant (mg)	0.000000
INCLIN_B1	ARC Bias First-order Coefficient (mg/degC)	0.000000
INCLIN_B2	ARC Bias Secod-order Coeeficient (mg/degC)	0.000000
INCLIN_B3	ARC Bias Third-order Coeeficient (mg/degC)	0.000000
INCLIN_C0	ARC Current Scale Factor Constant (mA/g)	1.000000
INCLIN_C1	ARC Scale First-order Coeeficient (mA/g/degC)	0.000000
INCLIN_C2	ARC Scale Second-order Coeeficient (mA/g/degC)	0.000000
INCLIN_C3	ARC Scale Third-order Coeeficient (mA/g/degC)	0.000000
INVAS_COMP	Invasion Computation Option	YES
JSD_ARC	ARC Acquisition start date	YES
KPER	Potassium Concentration (RM)	0.000000
LOW_BLEND	Low Resistivity Threshold for Blending	1.000000
MSWS	ARC Wizard Model Switch Window	5.000000
MULTIEFFEC	Multi Effect Option	YES
P12A	ARC Air Cal Phase-Shift From T1 at 2 MHz	0.901520
P14A	ARC Air Cal Phase-Shift From T1 at 400 KHz	-0.312112
P22A	ARC Air Cal Phase-Shift From T2 at 2 MHz	-0.847696
P24A	ARC Air Cal Phase-Shift From T2 at 400 KHz	0.306136
P32A	ARC Air Cal Phase-Shift From T3 at 2 MHz	0.818240
P34A	ARC Air Cal Phase-Shift From T3 at 400 KHz	-0.298400
P42A	ARC Air Cal Phase-Shift From T4 at 2 MHz	-0.891928
P44A	ARC Air Cal Phase-Shift From T4 at 400 KHz	0.290408
P52A	ARC Air Cal Phase-Shift From T5 at 2 MHz	0.800528
P54A	ARC Air Cal Phase-Shift From T5 at 400 KHz	-0.316928
POFFSET_AR	ARC: Pressure Offset	0.000000
PRTD	Preferred Resistivity Log for Rt Display while Multi-Effects	P34B
PSOF_ADJ T	ARC: User Input Phase offset	0.000000

RESTIK	ARC resistivity tick source	Phase
SHIG	ARC High Shock Risk Level	0.500000
SHT_RM	Ground Level Temperature (Mud-Line When Offshore ) (RM)	50.000000
SMED	ARC Medium Shock Risk Level	0.330000
SMIN	ARC Minimum Shock Risk Level	0.160000
SUPD	ARC Real Time Shock Update Rate	30.000000
TCODE_ARC	ARC Tool File Code	30.000000
TSIZ_ARC	ARC Tool Size	6.750000
UNIFORM_CO	Uniform Rock Option	YES
VERS_ARC	ARC Down hole software version Number	9.300000
WRK	Way to Report Potassium Concentration (RM)	K_by_Wgt_%

## ISONIC

FP_SD	First Sample delay	400.00
STC_CF	Center frequency of Filter	13.00
STC_BW	Bandwidth (kHz)	Default
STC_RWI	Receiver waveform ignored	None
PM_TOFF	Tool Time offset from surface system	0.00
DT_COH	Delta-T Coherence Cutoff Value	0.70
PPC_PF	Porosity Formula	Raymer-Hunt
PPC_PS	Sonic Porosity Source	DTRA
PPC_MDT	Matrix Delta-T	55.50
PPC_FDT	Fluid Delta-T	189.00

## ADN

ADN_CHASSI	ADN Chassis Type String	ADN
ADN_COLLAR	ADN Collar Type String	ADN
ADN_STAB_S	ADN Stabilizer Type String	ADN
ALPHA_COMP	Perform Density Enhanced Vertical Resolution process ?	NO
ALPHA_COMP	Perform Neutron Enhanced Vertical Resolution process ?	NO
AVE_ADN	ADN/Array Channels: perform averaging(RM) :	YES
A_DHS	ADN Down Hole Software Version String	YES
CHI_RM	Caliper High limit from BS (RM)	3.000000
CLO_RM	Caliper Low limit from BS (RM)	0.000000
DEVI	Well Section Deviation	57.279999
DTIK_SEL	ADN: Density Tick Channel Name	LSAZ
DTMUD	Delta-T for Mud	227.046997
DYN_IMG_CO	Generate Dynamic Normalized Image?	YES
ECC_CORR_A	Perform Eccentering Correction for TNPH?	YES
ENVCOR	Neutron Quadrant Processing: Environmental Correction?	YES
EVRL	EVR Process averaging number of samples (RM)	49
FCD	Future Casing (Outer) Diameter	0.000000
GCSE	Generalized Caliper Selection	BS
HPS	ADSE-EB (High Pressure Inconel Chassis)?	NO
IBS	Intergal Blade Stabilizer Collar?	YES
IDQT	Image Derived Quality Threshold	2.000000
IHVS	Integrated Hole Volume Start Value(RM)	0.000000
IMAGE_MAX	Image SOA (Quadrant) Right Scale	2.500000
IMAGE_MAX	Image PEF(Segment) Right Scale	6.000000
IMAGE_MAX	Image RHOB(Segment) Right Scale	2.650000
IMAGE_MIN	Image SOA (Quadrant) Left Scale	0.000000
IMAGE_MIN	Image PEF(Segment) Left Scale	2.000000
IMAGE_MIN	Image RHOB(Segment) Left Scale	2.050000
JSD_ADN	ADN Acquisition start date	2.050000
LITHO_TYPE	Lithology (RM)	LIME
N1FTU_6_RM	ADN: Neutron Bank 1 Far Tubes used :	1-2-3
N2FTU_6_RM	ADN: Neutron Bank 2 Far Tubes used :	1-2-3
NNTU_RM	ADN Neutron Near Banks Used	1-2
NTIK_SEL	ADN: Neutron Tick Channel Name	FR11
SOCNL	Standoff Distance of the CNL Tool	1.000000
SSIZ_ADN	ADN Stabilizer Size	8.250000
STOH	ADN Density Top of Hole Sector (Left Boundary):	SECTOR_0
TRPM_RM	Average Tool Rotational Speed	120.000000
USMIN_RM	ADN:Minimum Ultrasonic standoff (RM)	0.180000
USWF_RM	ADN:Process Ultrasonic Waveform?	YES
VERS_ADN	ADN Downhole Software Version	8.300000
WSDI	Window Size of Dynamic Normalization Image	49.999996

Schlumberger Drilling & Measurements

Parameter Insert Header Software version 2.0c

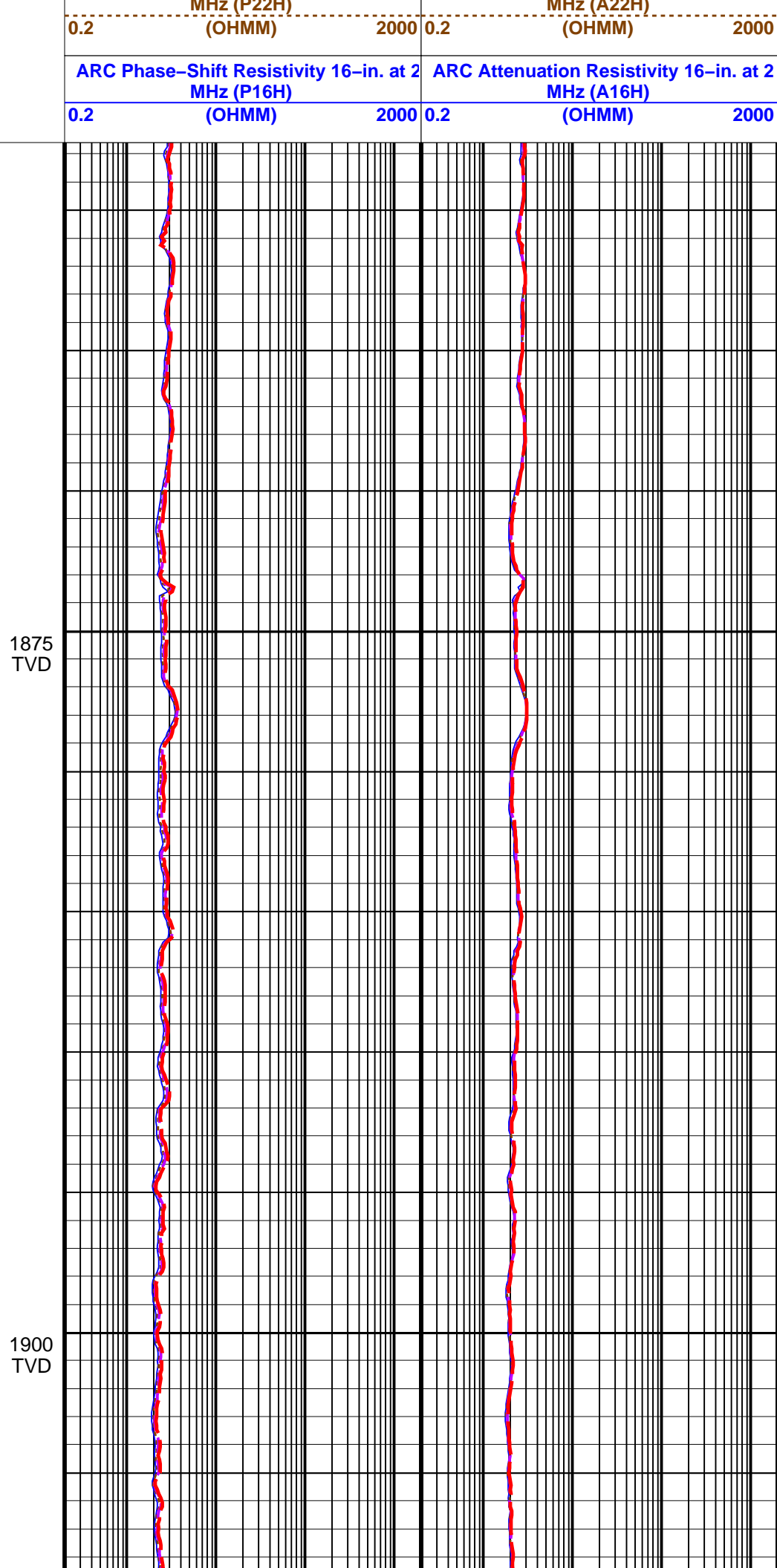
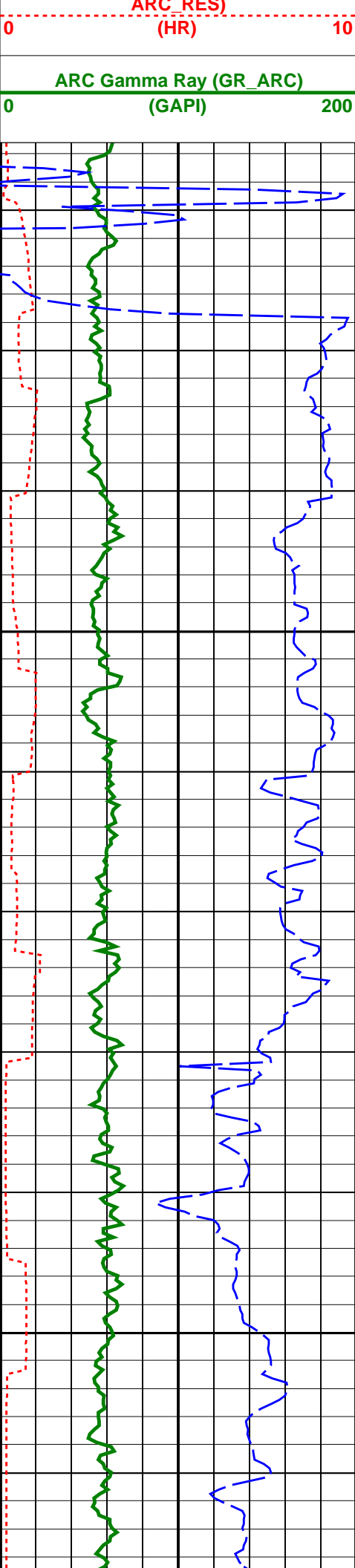
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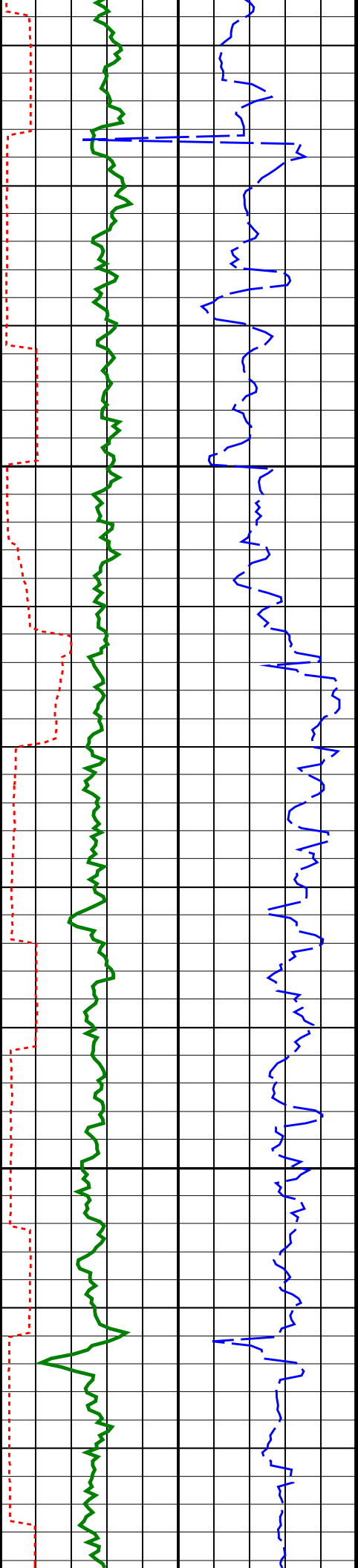
IDF

ARC6A-AA      id12\_Oc\_01      ADN      id12\_Oc\_01

Format: VISION4 Resistivity      Vertical Scale: 1:200      Graphics File Created: 31-May-2007 14:51

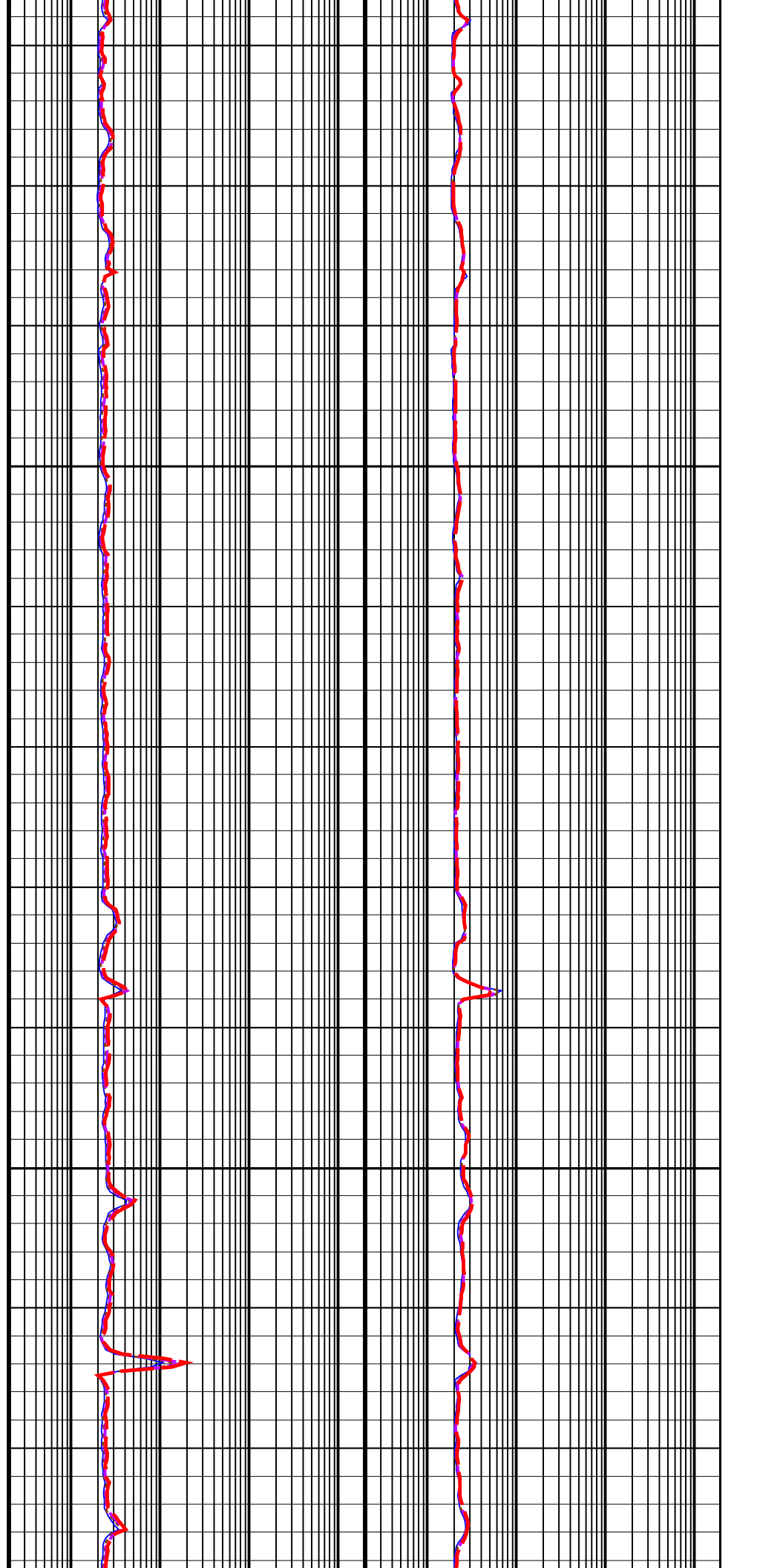
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		0.2	2000	0.2	2000
		(OHMM)	(OHMM)	(OHMM)	(OHMM)
Rate of Penetration, Averaged over Last 5ft (ROP5_RM)		ARC Phase-Shift Resistivity 28-in. at 2 MHz (P28H)		ARC Attenuation Resistivity 28-in. at 2 MHz (A28H)	
200		0.2	2000	0.2	2000
(M/HR)		(OHMM)	(OHMM)	(OHMM)	(OHMM)
0		ARC Phase-Shift Resistivity 22-in. at 2 MHz (P22H)		ARC Attenuation Resistivity 22-in. at 2 MHz (A22H)	
ARC Resistivity Time After Bit (TAB_					
ARC Resistivity)					

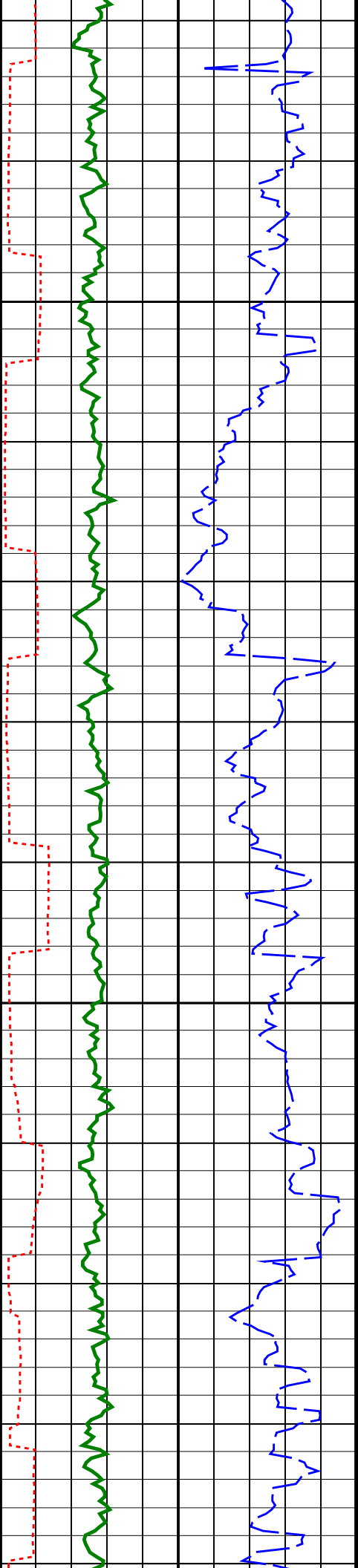




1925  
TVD

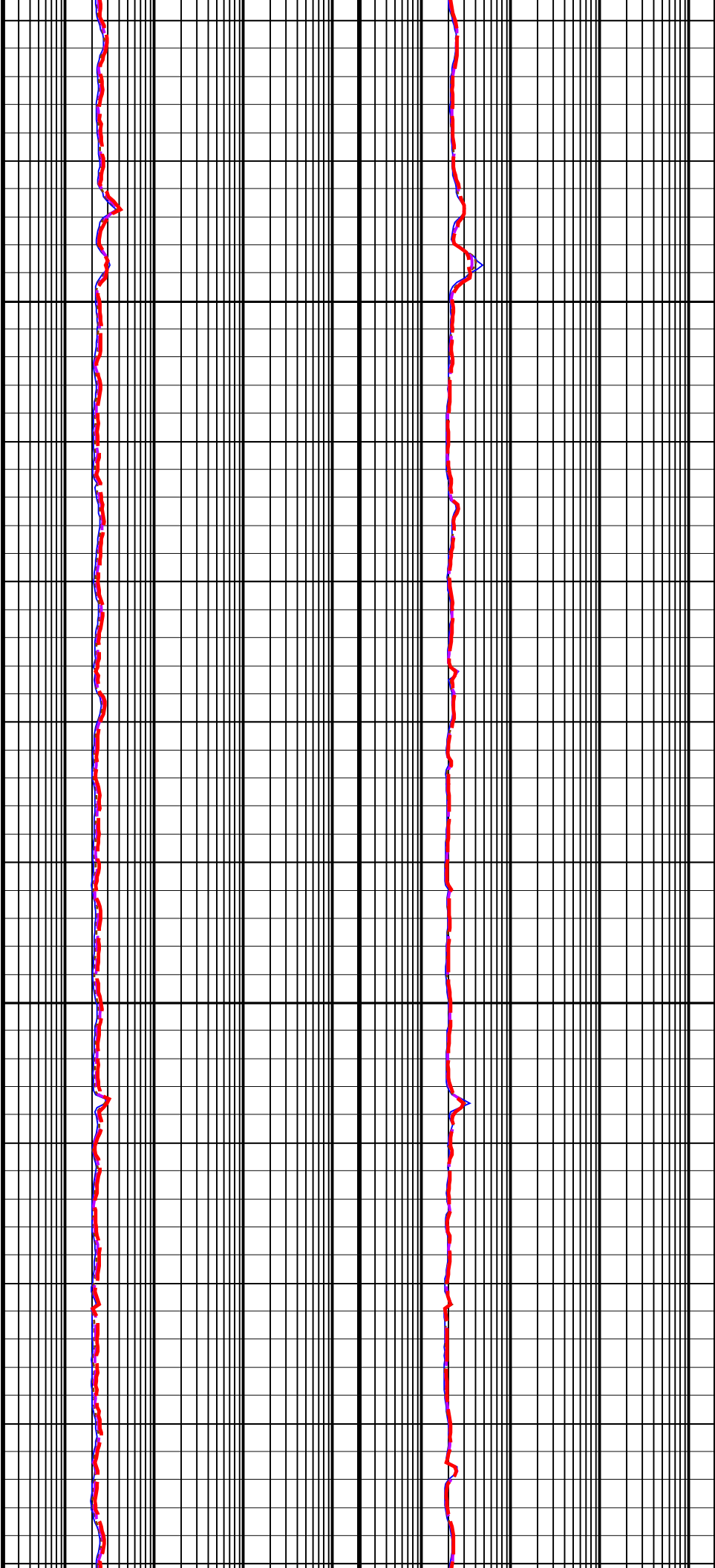
1950  
TVD



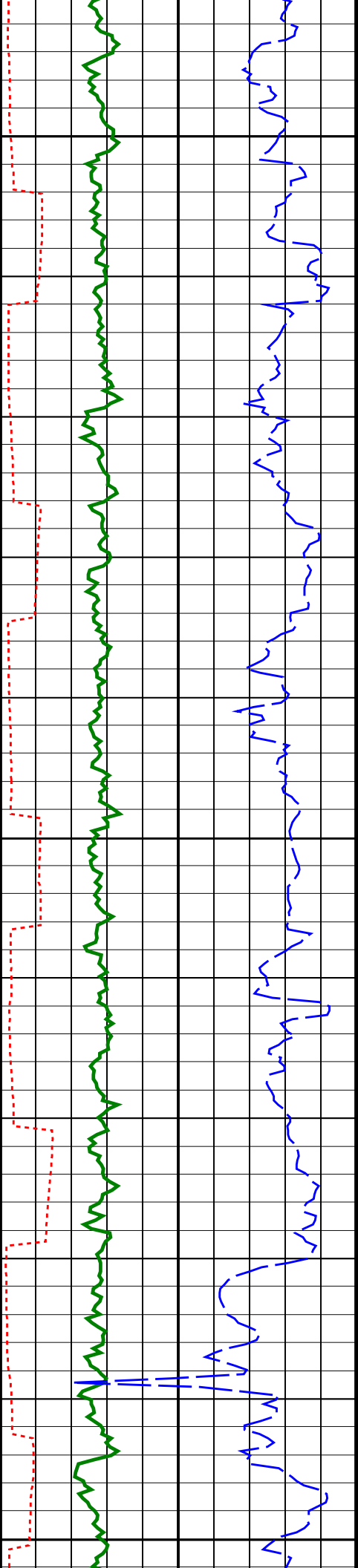


1975  
TVD

2000  
TVD



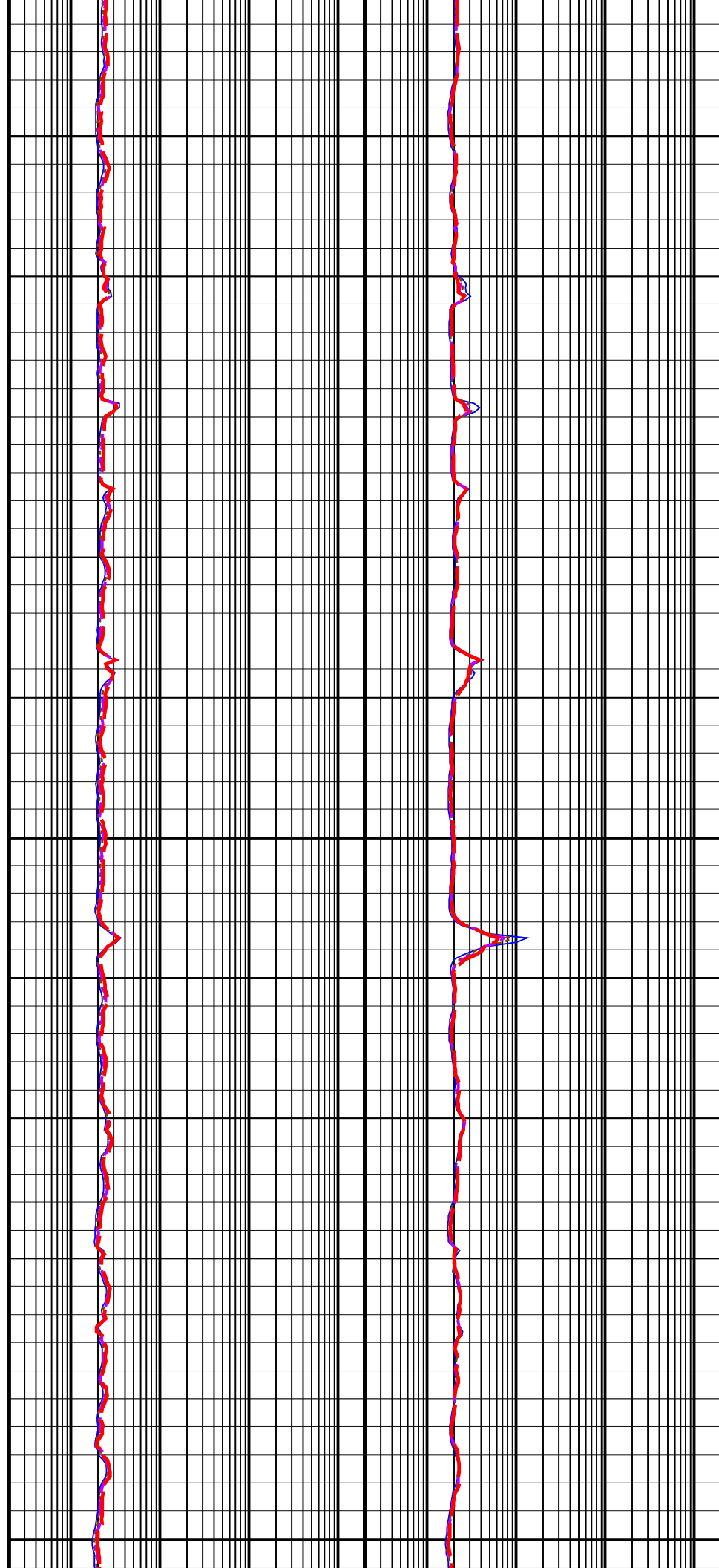


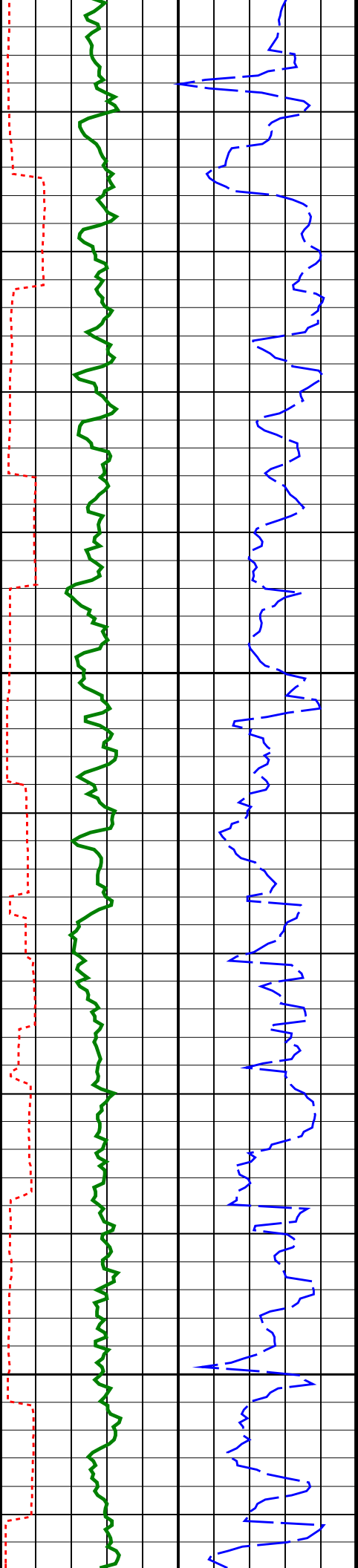


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2050  
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2075  
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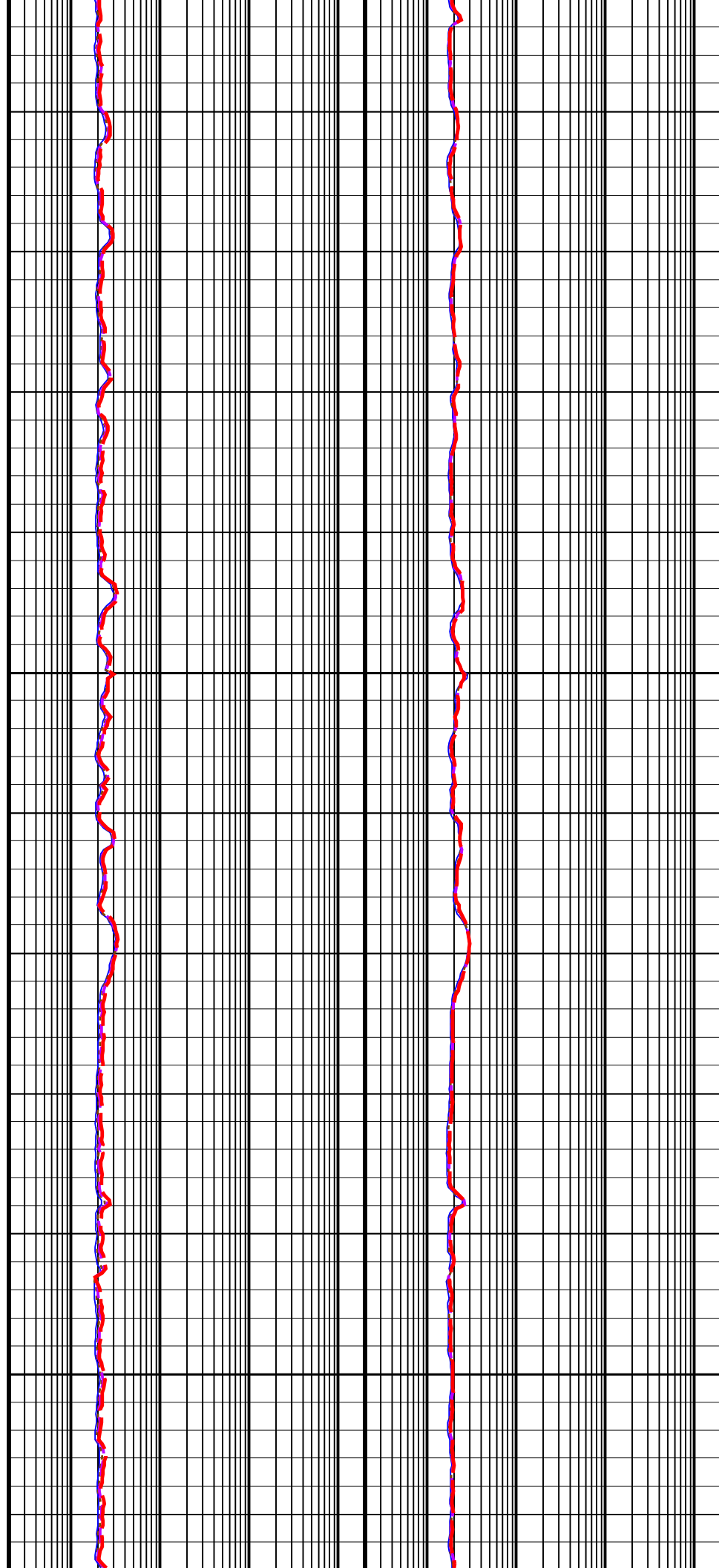


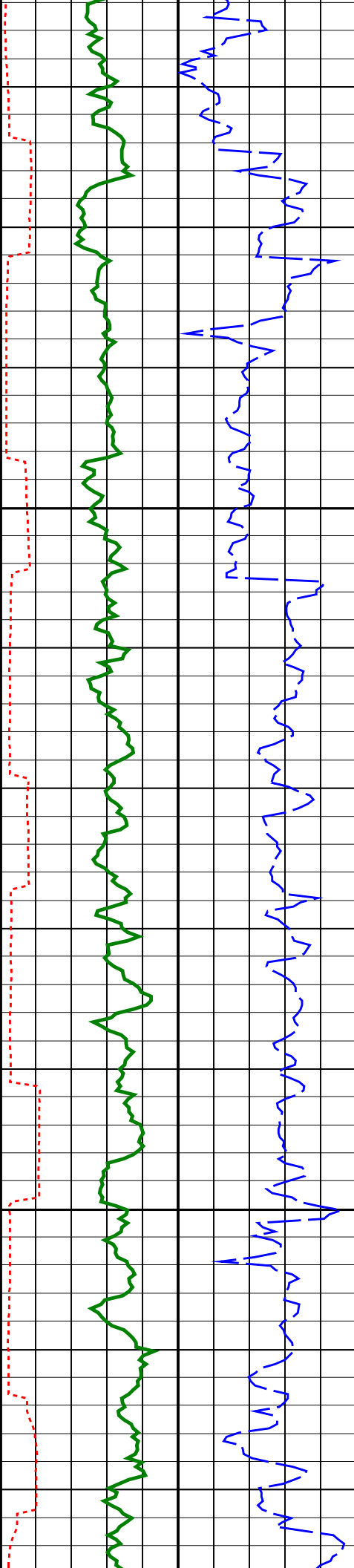


TVD

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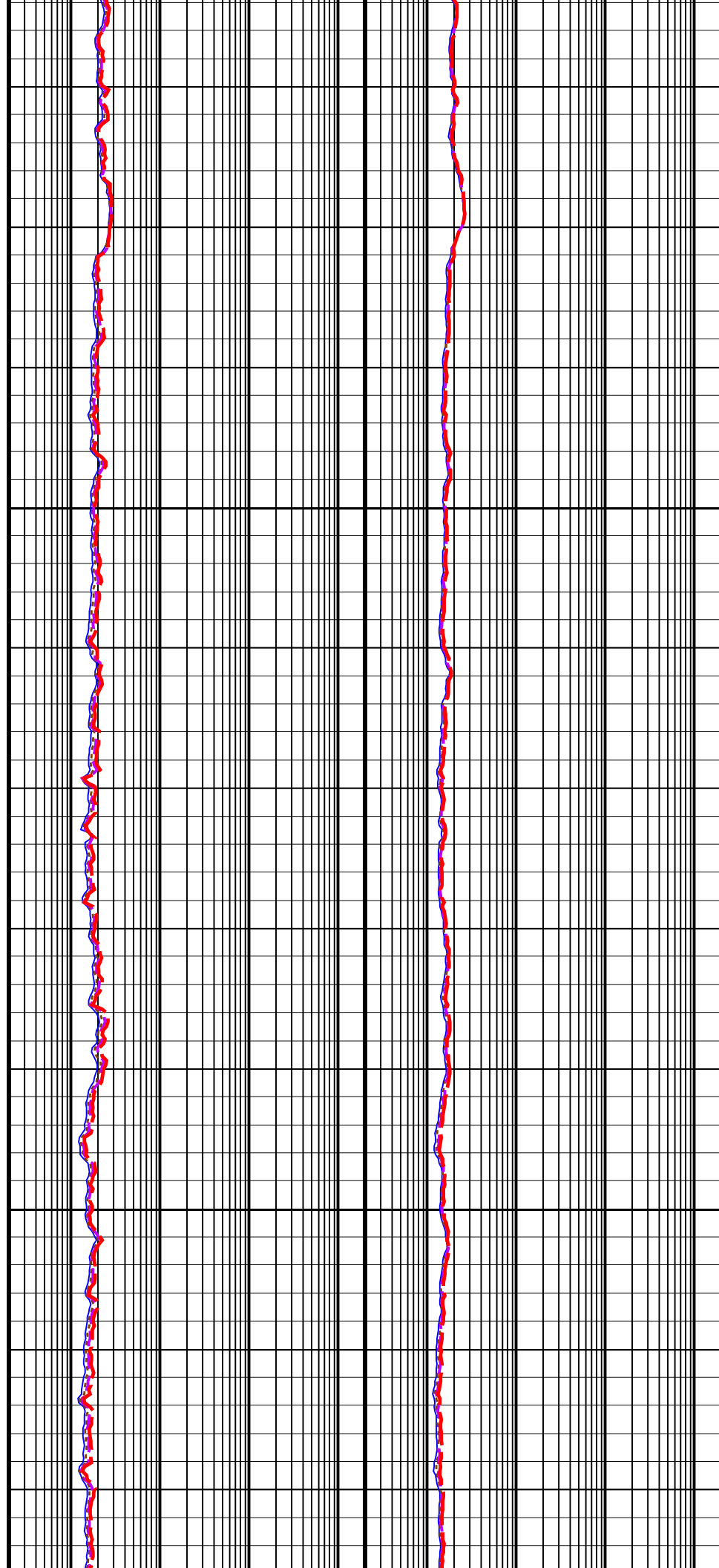
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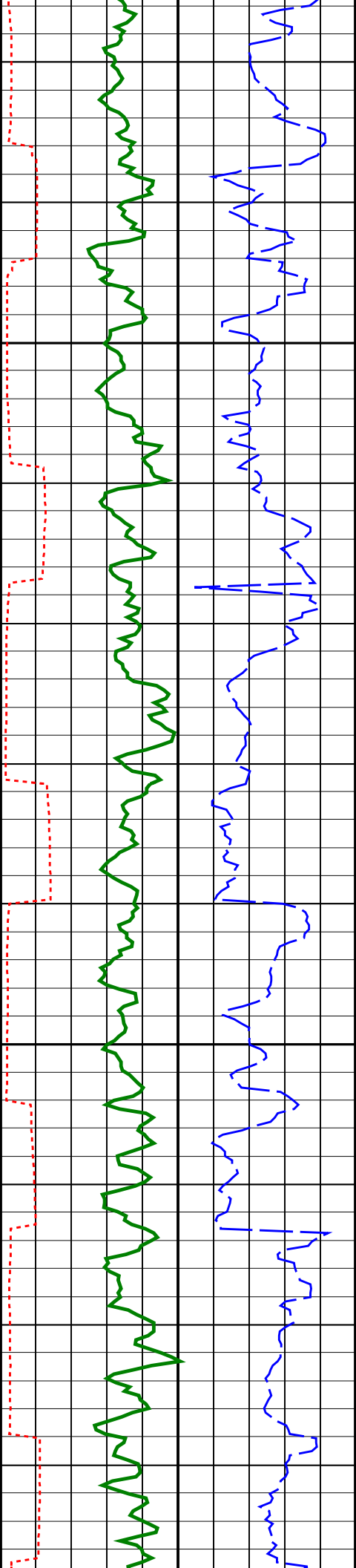




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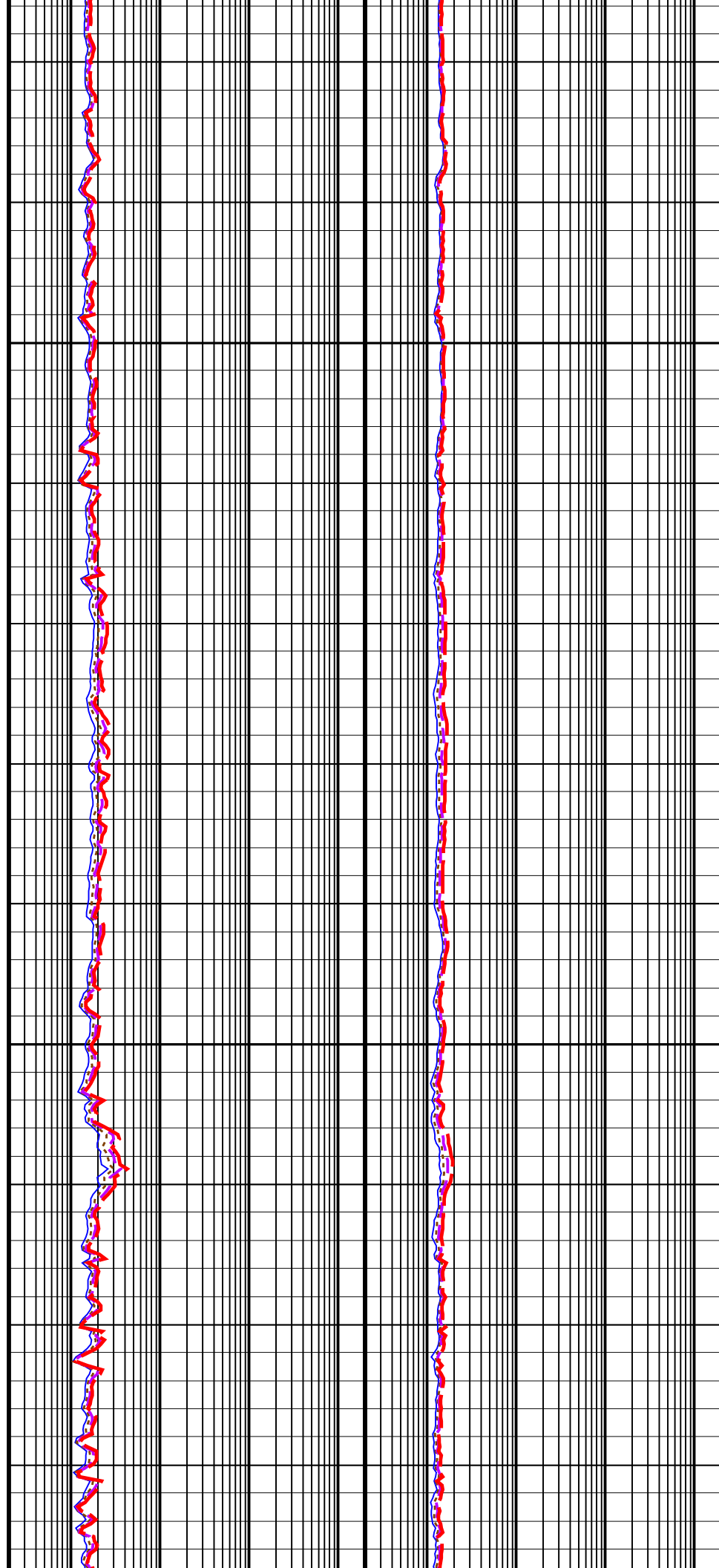
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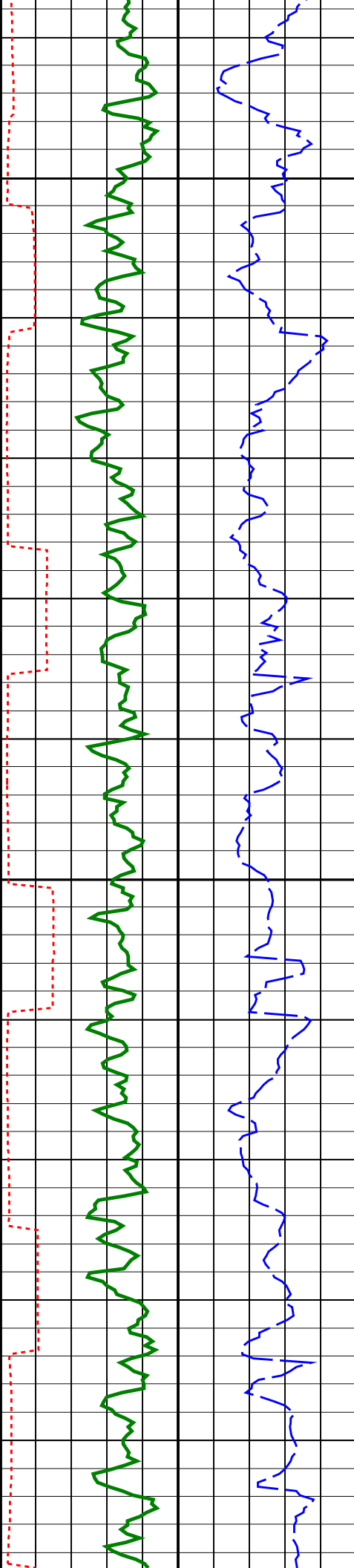




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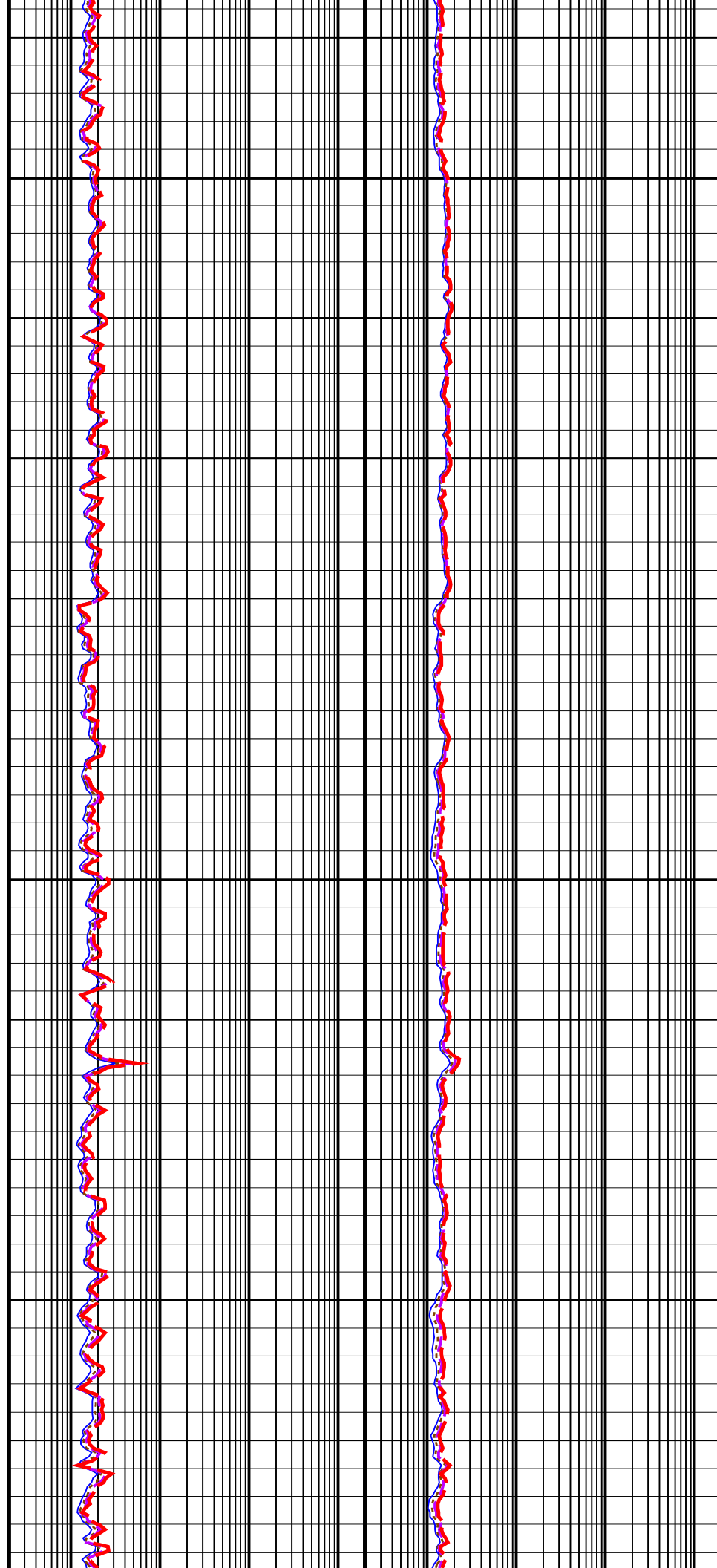
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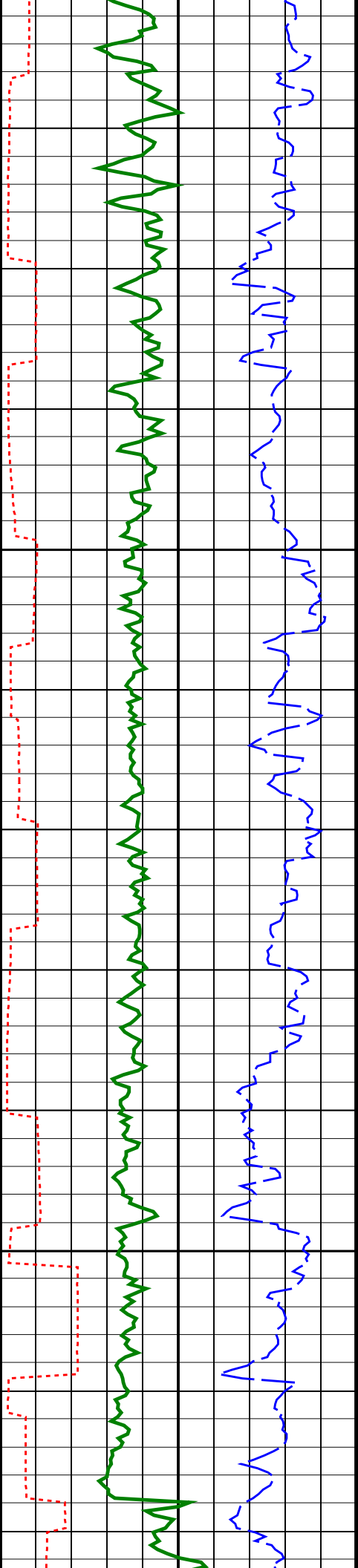


2250  
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2275  
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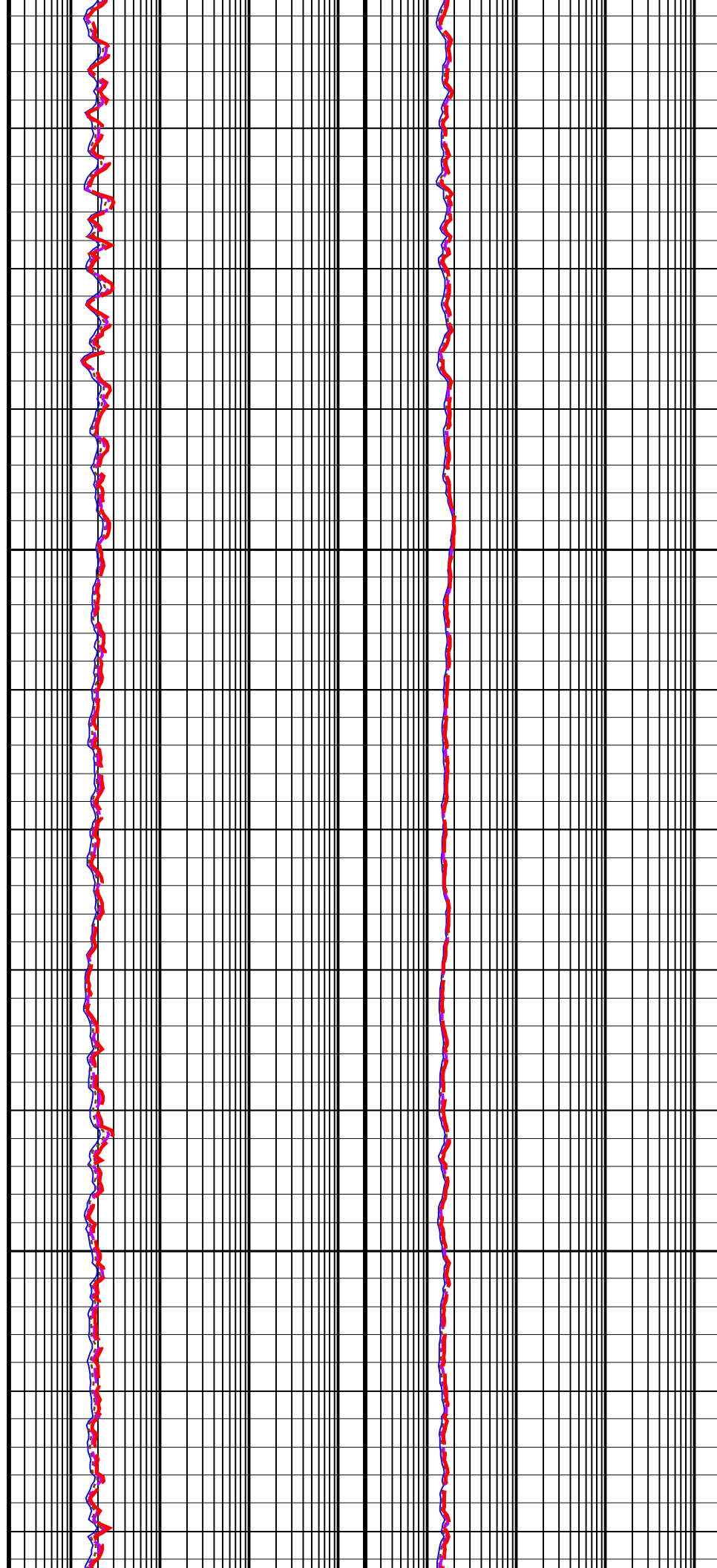


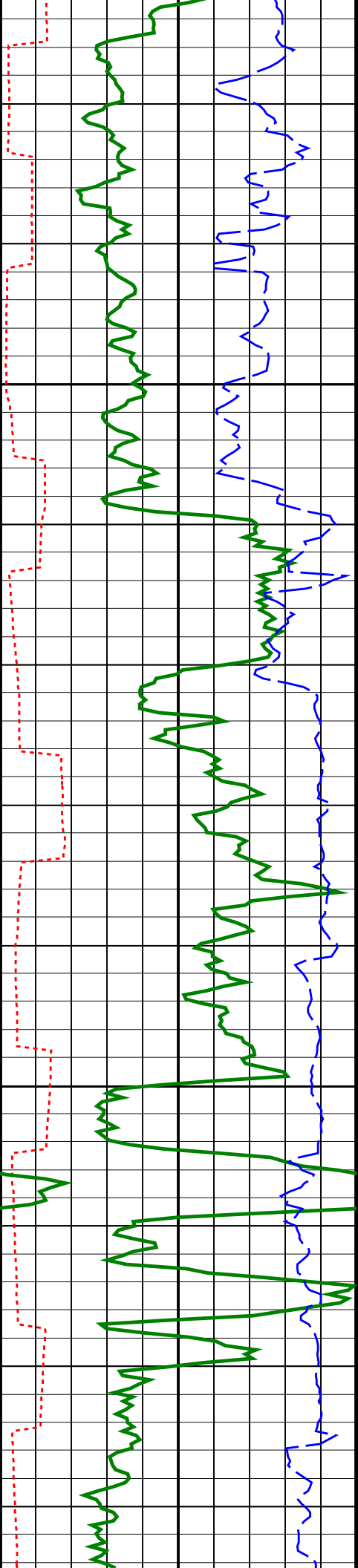




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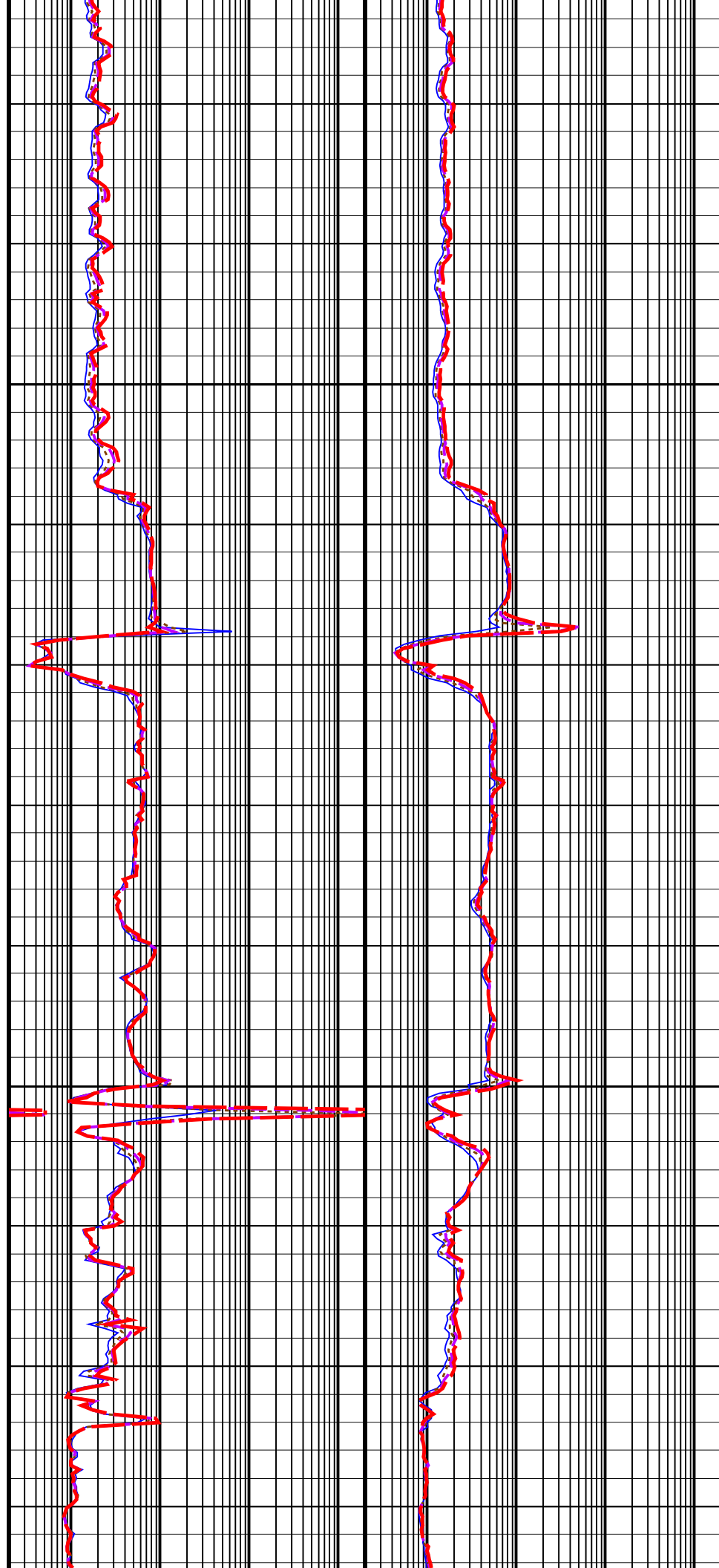
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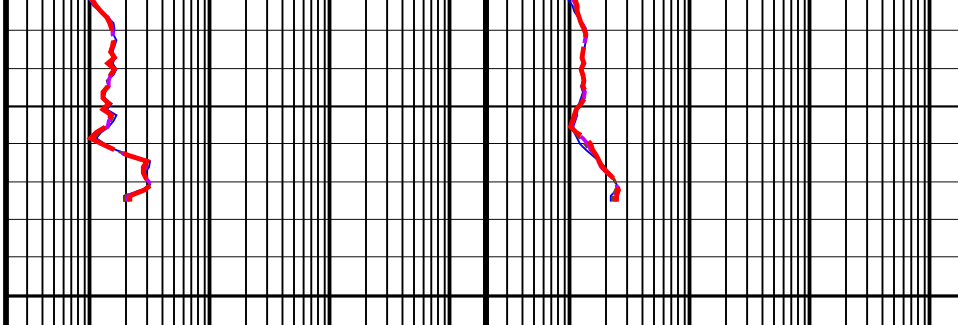


2425  
TVD

2450  
TVD


































ARC Phase-Shift Resistivity 16-in. at 2 MHz (P16H)			ARC Attenuation Resistivity 16-in. at 2 MHz (A16H)		
0.2	(OHMM)	2000	0.2	(OHMM)	2000
ARC Phase-Shift Resistivity 22-in. at 2 MHz (P22H)			ARC Attenuation Resistivity 22-in. at 2 MHz (A22H)		
0.2	(OHMM)	2000	0.2	(OHMM)	2000
ARC Phase-Shift Resistivity 28-in. at 2 MHz (P28H)			ARC Attenuation Resistivity 28-in. at 2 MHz (A28H)		
0.2	(OHMM)	2000	0.2	(OHMM)	2000
ARC Phase-Shift Resistivity 34-in. at 2 MHz (P34H)			ARC Attenuation Resistivity 34-in. at 2 MHz (A34H)		
0.2	(OHMM)	2000	0.2	(OHMM)	2000

ARC6A-AA	id12_0c_01	ADN	id12_0c_01
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ADN6 - CA	373
ADDC - AA	373
ADSE - EA	373
IBS	373
NSR - M	181
GSR - J/Z	2152
8.25 - in.	
AUTO -	

6.75-in. Azimuthal Density Neutron Calibration

Density: Water Block Check																	
Phase		Long spacing water density G/C3				Value		Phase		Short spacing water density G/C3				Value			
Master						1.034		Master						1.135			
1.024 (Minimum)		1.039 (Nominal)		1.054 (Maximum)				1.096 (Minimum)		1.126 (Nominal)		1.156 (Maximum)					
Master: 7-Apr-2007 23:15																	
6.75-in. Azimuthal Density Neutron Calibration																	
Neutron: 3-Point Calibration																	
Phase	Far 1 tube 1 Air Point Measure	CPS	Value	Phase	Far 1 tube 1 Rod Point Measure	CPS	Value	Phase	Far 1 tube 1 H2O Point Measure	CPS	Value						
Master			17.98	Master			4.352	Master			2.159						
13.30 (Minimum)		19.05 (Nominal)		24.70 (Maximum)		3.400 (Minimum)		4.857 (Nominal)		6.200 (Maximum)		1.600 (Minimum)		2.363 (Nominal)		3.100 (Maximum)	
Phase	Far 1 tube 2 Air Point Measure	CPS	Value	Phase	Far 1 tube 2 Rod Point Measure	CPS	Value	Phase	Far 1 tube 2 H2O Point Measure	CPS	Value						
Master			18.95	Master			4.568	Master			2.222						
13.30 (Minimum)		19.05 (Nominal)		24.70 (Maximum)		3.400 (Minimum)		4.857 (Nominal)		6.200 (Maximum)		1.600 (Minimum)		2.363 (Nominal)		3.100 (Maximum)	
Phase	Far 1 tube 3 Air Point Measure	CPS	Value	Phase	Far 1 tube 3 Rod Point Measure	CPS	Value	Phase	Far 1 tube 3 H2O Point Measure	CPS	Value						
Master			17.47	Master			4.318	Master			2.099						
13.30 (Minimum)		19.05 (Nominal)		24.70 (Maximum)		3.400 (Minimum)		4.857 (Nominal)		6.200 (Maximum)		1.600 (Minimum)		2.363 (Nominal)		3.100 (Maximum)	
Phase	Far 2 tube 1 Air Point Measure	CPS	Value	Phase	Far 2 tube 1 Rod Point Measure	CPS	Value	Phase	Far 2 tube 1 H2O Point Measure	CPS	Value						
Master			17.45	Master			4.605	Master			2.323						
13.30 (Minimum)		19.05 (Nominal)		24.70 (Maximum)		3.400 (Minimum)		4.857 (Nominal)		6.200 (Maximum)		1.600 (Minimum)		2.363 (Nominal)		3.100 (Maximum)	
Phase	Far 2 tube 2 Air Point Measure	CPS	Value	Phase	Far 2 tube 2 Rod Point Measure	CPS	Value	Phase	Far 2 tube 2 H2O Point Measure	CPS	Value						
Master			18.74	Master			4.641	Master			2.249						
13.30 (Minimum)		19.05 (Nominal)		24.70 (Maximum)		3.400 (Minimum)		4.857 (Nominal)		6.200 (Maximum)		1.600 (Minimum)		2.363 (Nominal)		3.100 (Maximum)	
Phase	Far 2 tube 3 Air Point Measure	CPS	Value	Phase	Far 2 tube 3 Rod Point Measure	CPS	Value	Phase	Far 2 tube 3 H2O Point Measure	CPS	Value						
Master			17.85	Master			4.363	Master			2.162						
13.30 (Minimum)		19.05 (Nominal)		24.70 (Maximum)		3.400 (Minimum)		4.857 (Nominal)		6.200 (Maximum)		1.600 (Minimum)		2.363 (Nominal)		3.100 (Maximum)	
Phase	Near 1 tube 1 Air Point Measure	CPS	Value	Phase	Near 1 tube 1 Rod Point Measure	CPS	Value	Phase	Near 1 tube 1 H2O Point Measure	CPS	Value						
Master			484.3	Master			768.4	Master			341.6						
345.0 (Minimum)		487.5 (Nominal)		595.0 (Maximum)		535.0 (Minimum)		768.8 (Nominal)		925.0 (Maximum)		230.0 (Minimum)		343.7 (Nominal)		430.0 (Maximum)	
Phase	Near 2 tube 1 Air Point Measure	CPS	Value	Phase	Near 2 tube 1 Rod Point Measure	CPS	Value	Phase	Near 2 tube 1 H2O Point Measure	CPS	Value						
Master			493.2	Master			766.0	Master			343.2						
345.0 (Minimum)		487.5 (Nominal)		595.0 (Maximum)		535.0 (Minimum)		768.8 (Nominal)		925.0 (Maximum)		230.0 (Minimum)		343.7 (Nominal)		430.0 (Maximum)	
Master: 7-Apr-2007 23:15																	
6.75-in. Azimuthal Density Neutron Calibration																	
Neutron: Water Block Check																	
Phase		Far Neutron water porosity PU								Value							
Master										93.95							
90.00 (Minimum)		100.0 (Nominal)				125.0 (Maximum)											



Departure (+E/W-).....: 611592.480 m

Grid convergence (+E/W-)..: -0.79 degrees

Total az corr (+E/W-).....: 14.00 degrees

(Total az corr = magnetic dec - grid conv)

Survey Correction Type ...:

I=Sag Corrected Inclination

M=Schlumberger Magnetic Correction

S=Shell Magnetic Correction

F=Failed Axis Correction

R=Magnetic Resonance Tool Correction

D=Dmag Magnetic Correction

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool Corr (deg)
1	2780.00	56.52	353.72	0.00	1766.63	1943.23	1862.19	-588.22	1952.88	342.47	0.00	TIP	None
2	2785.87	57.44	353.32	5.87	1769.83	1948.13	1867.08	-588.78	1957.71	342.50	5.08	GYR	None
3	2790.04	56.64	353.81	4.17	1772.10	1951.62	1870.56	-589.17	1961.15	342.52	6.57	GYR	None
4	2795.49	55.75	354.30	5.45	1775.13	1956.13	1875.06	-589.64	1965.59	342.54	5.47	GYR	None
5	2800.94	54.98	354.40	5.45	1778.23	1960.59	1879.52	-590.08	1969.97	342.57	4.33	GYR	None
6	2805.31	54.77	354.63	4.37	1780.74	1964.15	1883.08	-590.42	1973.47	342.59	1.97	GYR	None
7	2810.46	54.10	354.93	5.15	1783.74	1968.32	1887.25	-590.80	1977.57	342.62	4.22	GYR	None
8	2815.77	53.59	355.29	5.31	1786.87	1972.58	1891.53	-591.17	1981.75	342.64	3.37	GYR	None
9	2821.07	53.11	355.34	5.30	1790.03	1976.81	1895.76	-591.51	1985.90	342.67	2.77	GYR	None
10	2825.27	52.90	354.96	4.20	1792.56	1980.14	1899.11	-591.80	1989.18	342.69	2.68	GYR	None
11	2830.91	53.23	353.95	5.64	1795.95	1984.63	1903.59	-592.23	1993.59	342.72	4.71	GYR	None
12	2866.83	61.07	343.07	35.92	1815.46	2014.71	1933.05	-598.35	2023.53	342.80	10.21	PUP	None
13	2894.54	64.27	342.93	27.71	1828.18	2039.19	1956.58	-605.55	2048.15	342.80	3.52	PUP	None
14	2922.46	67.48	343.91	27.92	1839.59	2064.55	1981.00	-612.81	2073.62	342.81	3.64	PUP	None
15	2950.73	68.11	344.23	28.27	1850.28	2090.63	2006.17	-620.00	2099.79	342.83	0.75	PUP	None
16	2984.46	68.21	344.36	33.73	1862.82	2121.84	2036.31	-628.47	2131.09	342.85	0.14	PUP	None
17	3011.96	69.00	344.32	27.50	1872.85	2147.36	2060.96	-635.38	2156.68	342.87	0.88	PUP	None
18	3042.19	69.53	344.34	30.23	1883.56	2175.54	2088.19	-643.02	2184.95	342.88	0.53	PUP	None
19	3070.71	67.55	343.77	28.52	1893.99	2201.99	2113.71	-650.31	2211.48	342.90	2.19	PUP	None
20	3100.14	66.17	343.57	29.43	1905.56	2228.94	2139.68	-657.92	2238.54	342.91	1.44	PUP	None
21	3126.67	66.38	343.75	26.53	1916.23	2253.12	2162.98	-664.75	2262.83	342.92	0.31	PUP	None
22	3154.91	66.97	344.07	28.24	1927.41	2278.95	2187.90	-671.94	2288.76	342.93	0.71	PUP	None
23	3183.32	68.15	344.55	28.41	1938.26	2305.13	2213.18	-679.04	2315.01	342.94	1.35	PUP	None
24	3212.20	68.53	344.93	28.88	1948.92	2331.90	2239.07	-686.10	2341.83	342.96	0.55	PUP	None
25	3240.80	68.38	346.27	28.60	1959.42	2358.45	2264.84	-692.72	2368.41	342.99	1.34	PUP	None
26	3269.29	68.43	347.11	28.49	1969.91	2384.92	2290.62	-698.82	2394.84	343.03	0.84	PUP	None
27	3298.35	68.69	347.50	29.06	1980.53	2411.96	2317.00	-704.76	2421.82	343.08	0.47	PUP	None
28	3326.72	68.34	346.77	28.37	1990.92	2438.35	2342.74	-710.64	2448.15	343.13	0.82	PUP	None
29	3355.12	67.76	345.85	28.40	2001.53	2464.66	2368.33	-716.87	2474.45	343.16	1.11	PUP	None
30	3383.58	67.62	344.60	28.46	2012.34	2490.93	2393.79	-723.59	2500.76	343.18	1.25	PUP	None

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool Corr (deg)
31	3412.44	67.47	343.90	28.86	2023.36	2517.52	2419.46	-730.83	2527.43	343.19	0.70	PUP	None
32	3440.90	66.79	344.52	28.46	2034.42	2543.65	2444.69	-737.96	2553.65	343.20	0.95	PUP	None
33	3469.55	67.26	345.10	28.65	2045.61	2569.96	2470.15	-744.87	2580.02	343.22	0.76	PUP	None
34	3499.43	67.07	345.46	29.88	2057.20	2597.44	2496.78	-751.87	2607.54	343.24	0.39	PUP	None
35	3526.78	67.16	345.13	27.35	2067.84	2622.59	2521.16	-758.27	2632.72	343.26	0.35	PUP	None
36	3555.13	67.62	345.50	28.35	2078.74	2648.71	2546.47	-764.90	2658.87	343.28	0.62	PUP	None
37	3583.51	67.55	345.44	28.38	2089.56	2674.90	2571.87	-771.48	2685.09	343.30	0.10	PUP	None
38	3611.22	67.31	345.47	27.71	2100.19	2700.44	2596.64	-777.91	2710.66	343.32	0.27	PUP	None
39	3640.04	67.11	345.35	28.82	2111.36	2726.96	2622.35	-784.60	2737.21	343.34	0.24	PUP	None
40	3668.32	66.82	346.42	28.28	2122.42	2752.95	2647.59	-790.95	2763.21	343.37	1.11	PUP	None
41	3696.32	67.04	345.72	28.00	2133.40	2778.67	2672.59	-797.15	2788.94	343.39	0.74	PUP	None
42	3724.99	66.54	345.28	28.67	2144.69	2804.98	2698.10	-803.75	2815.27	343.41	0.68	PUP	None
43	3753.45	67.09	345.21	28.46	2155.90	2831.08	2723.40	-810.41	2841.42	343.43	0.59	PUP	None
44	3782.10	66.77	345.59	28.65	2167.13	2857.39	2748.91	-817.06	2867.76	343.45	0.50	PUP	None
45	3810.09	66.76	344.83	27.99	2178.17	2883.06	2773.78	-823.62	2893.47	343.46	0.76	PUP	None
46	3838.47	66.75	344.00	28.38	2189.37	2909.05	2798.89	-830.63	2919.54	343.47	0.82	PUP	None
47	3866.91	66.77	344.37	28.44	2200.59	2935.10	2824.04	-837.75	2945.67	343.48	0.37	PUP	None
48	3895.62	66.51	347.70	28.71	2211.98	2961.42	2849.61	-844.11	2972.00	343.50	3.26	PUP	None
49	3923.79	65.63	352.99	28.17	2223.41	2987.14	2874.98	-848.43	2997.56	343.56	5.32	PUP	None
50	3951.86	65.12	355.63	28.07	2235.11	3012.55	2900.37	-850.96	3022.63	343.65	2.66	PUP	None
51	3980.40	64.78	357.54	28.54	2247.19	3038.17	2926.17	-852.50	3047.83	343.76	1.88	PUP	None
52	4009.16	64.88	357.96	28.76	2259.42	3063.89	2952.18	-853.52	3073.09	343.87	0.42	PUP	None
53	4037.62	64.96	358.43	28.46	2271.49	3089.33	2977.95	-854.33	3098.07	343.99	0.46	PUP	None
54	4065.82	64.90	0.26	28.20	2283.44	3114.45	3003.49	-854.63	3122.71	344.12	1.79	PUP	None
55	4094.12	64.83	2.91	28.30	2295.46	3139.44	3029.10	-853.92	3147.16	344.26	2.58	PUP	None
56	4122.42	65.58	6.86	28.30	2307.33	3164.14	3054.69	-851.73	3171.21	344.42	3.95	PUP	None
57	4150.93	66.57	11.63	28.51	2318.90	3188.56	3080.40	-847.54	3194.87	344.62	4.78	PUP	None
58	4179.39	67.57	16.45	28.46	2329.99	3212.28	3105.81	-841.18	3217.71	344.85	4.87	PUP	None
59	4208.03	68.53	20.57	28.64	2340.70	3235.37	3131.00	-832.75	3239.85	345.11	4.19	PUP	None
60	4236.68	68.85	23.79	28.65	2351.12	3257.69	3155.71	-822.67	3261.18	345.39	3.21	PUP	None

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Seq # -	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool Corr (deg)
61	4265.27	69.16	26.19	28.59	2361.36	3279.26	3179.90	-811.39	3281.78	345.69	2.41	PUP	None
62	4293.61	69.31	29.08	28.34	2371.41	3299.93	3203.37	-799.10	3301.54	345.99	2.91	PUP	None
63	4321.72	69.41	29.42	28.11	2381.32	3319.99	3226.32	-786.25	3320.74	346.30	0.36	PUP	None
64	4349.58	67.22	30.18	27.86	2391.61	3339.56	3248.79	-773.39	3339.57	346.61	2.52	PUP	None
65	4377.46	67.33	35.11	27.88	2402.39	3358.14	3270.43	-759.52	3357.47	346.93	4.97	PUP	None
66	4405.57	67.49	42.82	28.11	2413.20	3374.79	3290.59	-743.21	3373.48	347.27	7.72	PUP	None
67	4434.47	67.63	40.50	28.90	2424.23	3390.96	3310.54	-725.46	3389.10	347.64	2.27	PUP	None
68	4462.71	67.99	38.51	28.24	2434.90	3407.56	3330.72	-708.83	3405.31	347.99	2.03	PUP	None
69	4490.76	68.72	37.04	28.05	2445.25	3424.71	3351.33	-692.86	3422.20	348.32	1.68	PUP	None
70	4518.77	69.55	35.16	28.01	2455.22	3442.50	3372.47	-677.44	3439.84	348.64	2.11	PUP	None
71	4547.89	70.28	33.00	29.12	2465.23	3461.79	3395.12	-662.12	3459.08	348.96	2.26	PUP	None
72	4559.65	70.53	32.03	11.76	2469.17	3469.81	3404.47	-656.16	3467.12	349.09	2.46	PUP	None
73	4580.00	70.75	30.51	20.35	2475.92	3484.00	3420.88	-646.20	3481.37	349.30	2.17	Proj.	to TD

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Company:
**ESSO Australia Pty Ltd**

Well:
**FTA A10A**

Field:
**Fortescue**

Rig:
**ISDL 175**

State:
**Victoria**

**Schlumberger**

**8.5 in. Section**

**VISION Resistivity**  
**1:200 True Vertical Depth**  
**Recorded Mode Log**