

HALLIBURTON

ARRAY COMPENSATED
TRUE RESISTIVITY
LOG
2 INCH

COMPANY				MERIT ENERGY COMPANY			
WELL				MCWILLIAMS E-7			
FIELD/BLOCK				COWGILL			
COUNTY				FINNEY			
STATE				KANSAS			
Permanent Datum		GL		COMPANY		MERIT ENERGY COMPANY	
Log measured from		KB		WELL		MCWILLIAMS E-7	
Drilling measured from		KB		FIELD/BLOCK		COWGILL	
Date		08-Apr-18		COUNTY		FINNEY	
Run No.		ONE		STATE		KANSAS	
Depth - Driller		5269.0 ft		Sect. 21		Twp. 24S	
Depth - Logger		5268.0 ft		Rge. 33W			
Bottom - Logged Interval		5259.00 ft					
Top - Logged Interval		1706.00 ft					
Casing - Driller		8.625 in		@ 1704.0 ft		@	
Casing - Logger		1706.0 ft					
Bit Size		7.875 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.3 ppg		62.00 s/qt			
	Fluid Loss	11.00 pH		5.6 cpm			
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		1.11 ohmm		@ 75.00 degF		@	
Rmf @ Meas. Temperature		0.94 ohmm		@ 75.00 degF		@	
Rmc @ Meas. Temperature		1.25 ohmm		@ 75.00 degF		@	
Source Rmf		MEAS		MEAS			
Rm @ BHT		0.65 ohmm		@ 132.0 degF		@	
Time Since Circulation		5.00 hr					
Time on Bottom		08-Apr-18 16:00					
Max. Rec. Temperature		132.00 degF		@ 5268.0 ft		@	
Equipment		12147634		EL RENO			
Recorded By		JORGE ORLANDO PEREZ					
Witnessed By		MARTIN LANGE		AUSTIN GARNIER			

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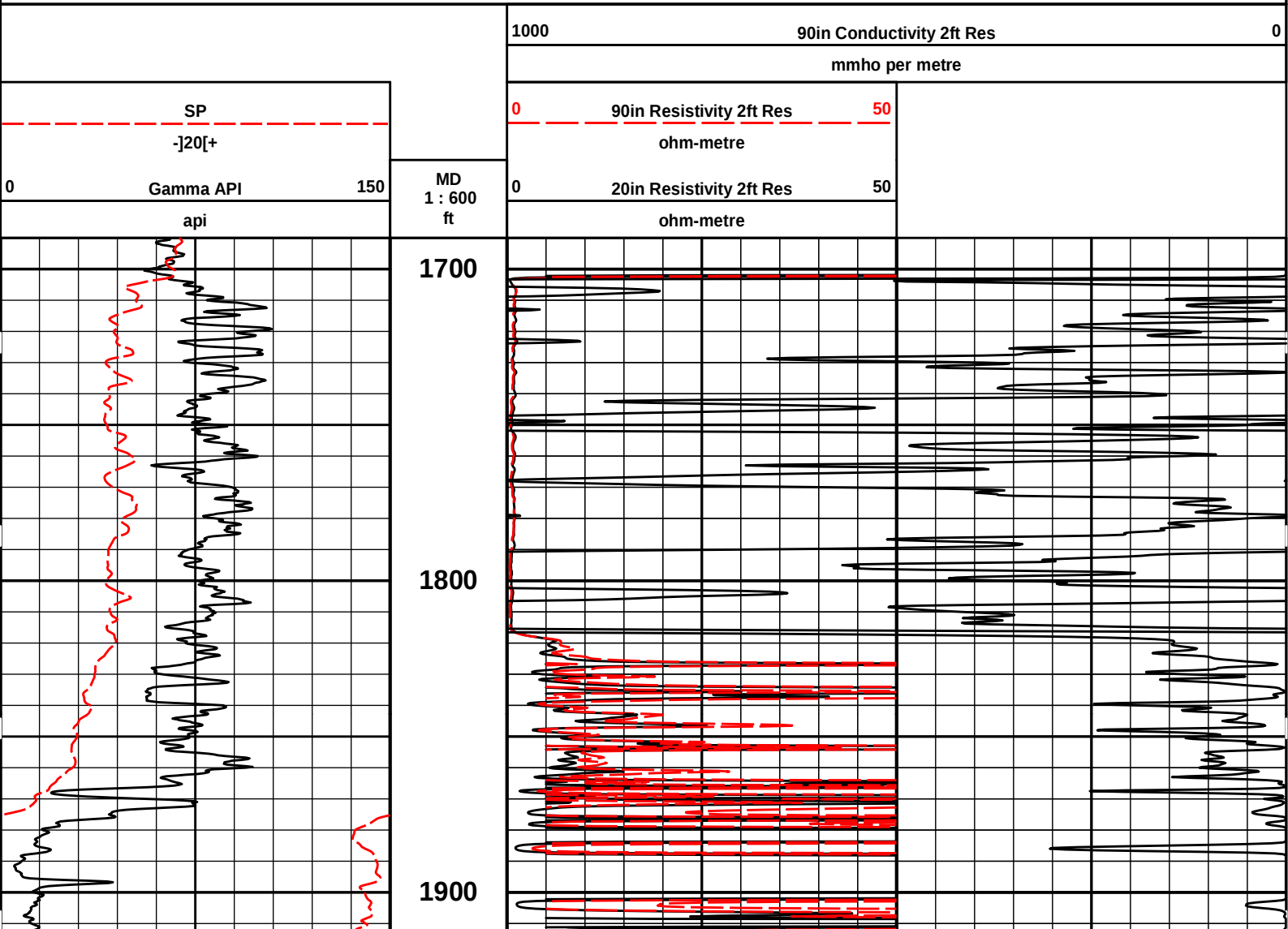
Service Ticket No.: 904762847						API No.: 15055224840100						PGM Version: WL INSITE R5.0.5 (Build 8)					
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE								RESISTIVITY SCALE CHANGES									
Date	Sample No.						Type Log	Depth	Scale Up Hole			Scale Down Hole					
Depth-Driller																	
Type Fluid in Hole																	
Density	Viscosity																
Ph	Fluid Loss																
Source of Sample								RESISTIVITY EQUIPMENT DATA									
Rm @ Meas. Temp		@			@			Run No.	Tool Type & No.	Pad Type		Tool Pos.		Other			
Rmf @ Meas. Temp.		@			@			ONE	ACRT	N/A		1.5 S.O.		N/A			
Rmc @ Meas. Temp.		@			@				I-11026095								
Source Rmf	Rmc							S-11005908									
Rm @ BHT		@			@												
Rmf @ BHT		@			@												
Rmc @ BHT		@			@												
EQUIPMENT DATA																	
GAMMA				ACOUSTIC				DENSITY				NEUTRON					
Run No.	ONE			Run No.	ONE			Run No.	ONE			Run No.	ONE				
Serial No.	11958947			Serial No.	10747683			Serial No.	10951315			Serial No.	11055304				
Model No.	GTET			Model No.	BSAT			Model No.	SDLT			Model No.	DSNT				
Diameter	3.625"			No. of Cent.	2			Diameter	5.5"			Diameter	3.625"				
Detector Model No.	T-102			Spacing	EVEN			Log Type	GAM-GAM			Log Type	NEU-NEU				
Type	SCINT							Source Type	CS137			Source Type	AM241BE				
Length	8"			LSA [Y/N]				Serial No.	5168GW			Serial No.	DSN-424				
Distance to Source	N/A			FWDA [Y/N]				Strength	1.5 Ci			Strength	15.0 Ci				
LOGGING DATA																	
GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON					
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix			
No.	From	To	ft/min	L	R	L	R		L	R		L	R				
ONE	TD	CSG	REC	0	150	30	-10	47.6 uSec/ft	30	-10	2.71 gr/cc	30	-10	LIME			

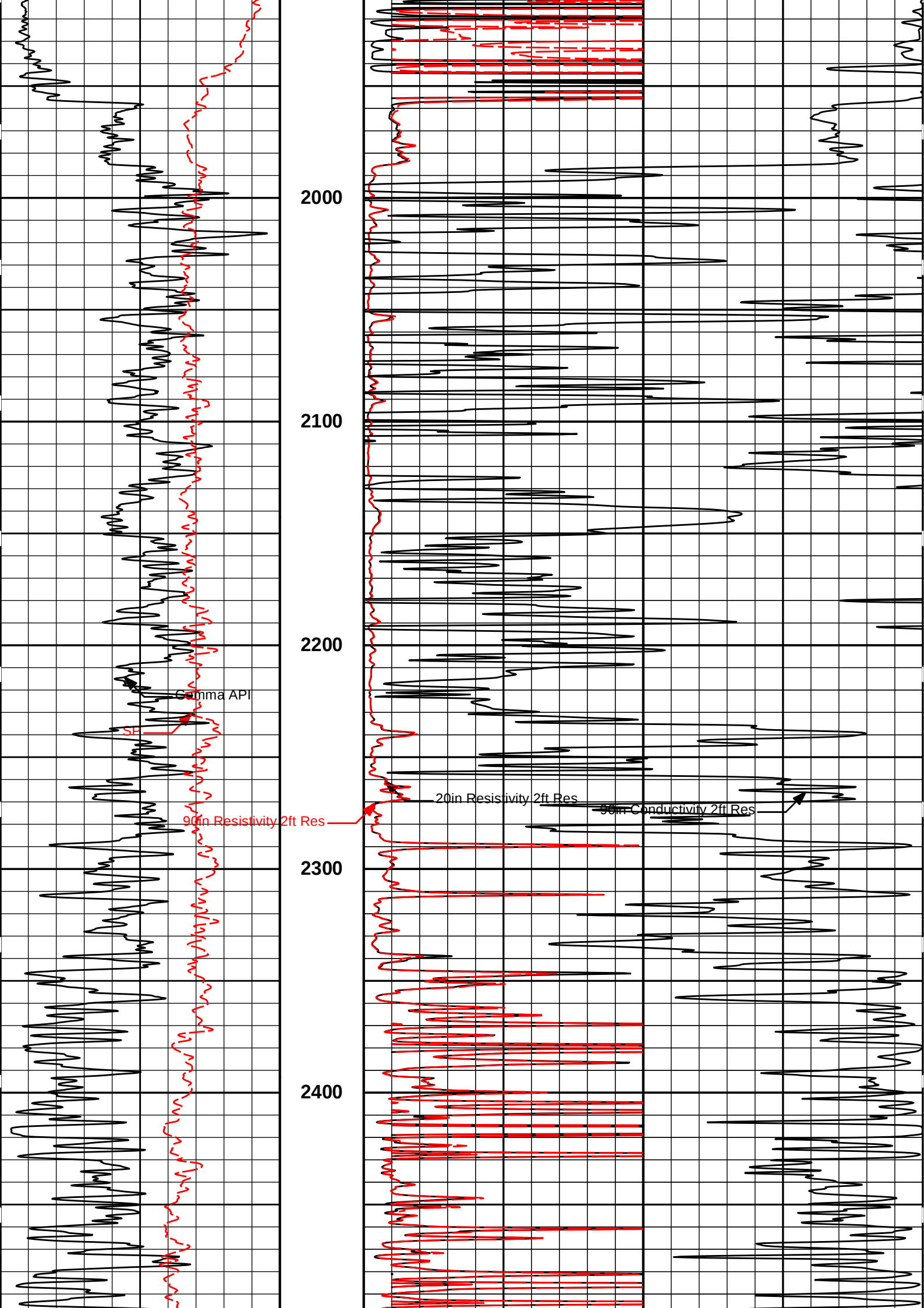
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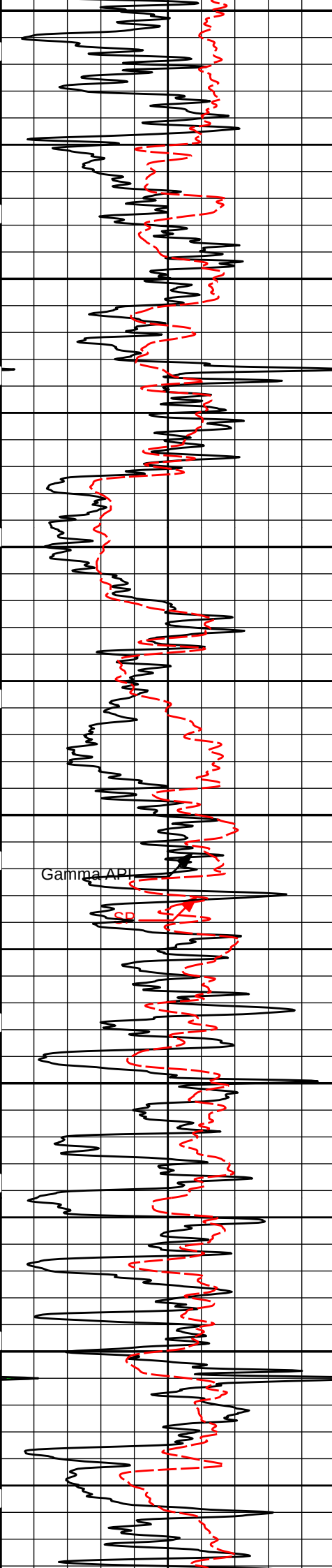
HALLIBURTON

Plot Time: 08-Apr-18 17:23:25
Plot Range: 1690 ft to 5273.33 ft
Data: MCWILLIAMS_E7\Well Based\MAIN\
Plot File: \\LOCAL-LJACQUART_2\Well Based\ACRT2\ACRT_2_lib

2 INCH MAIN LOG







Gamma Ray

Neutron Porosity

2500

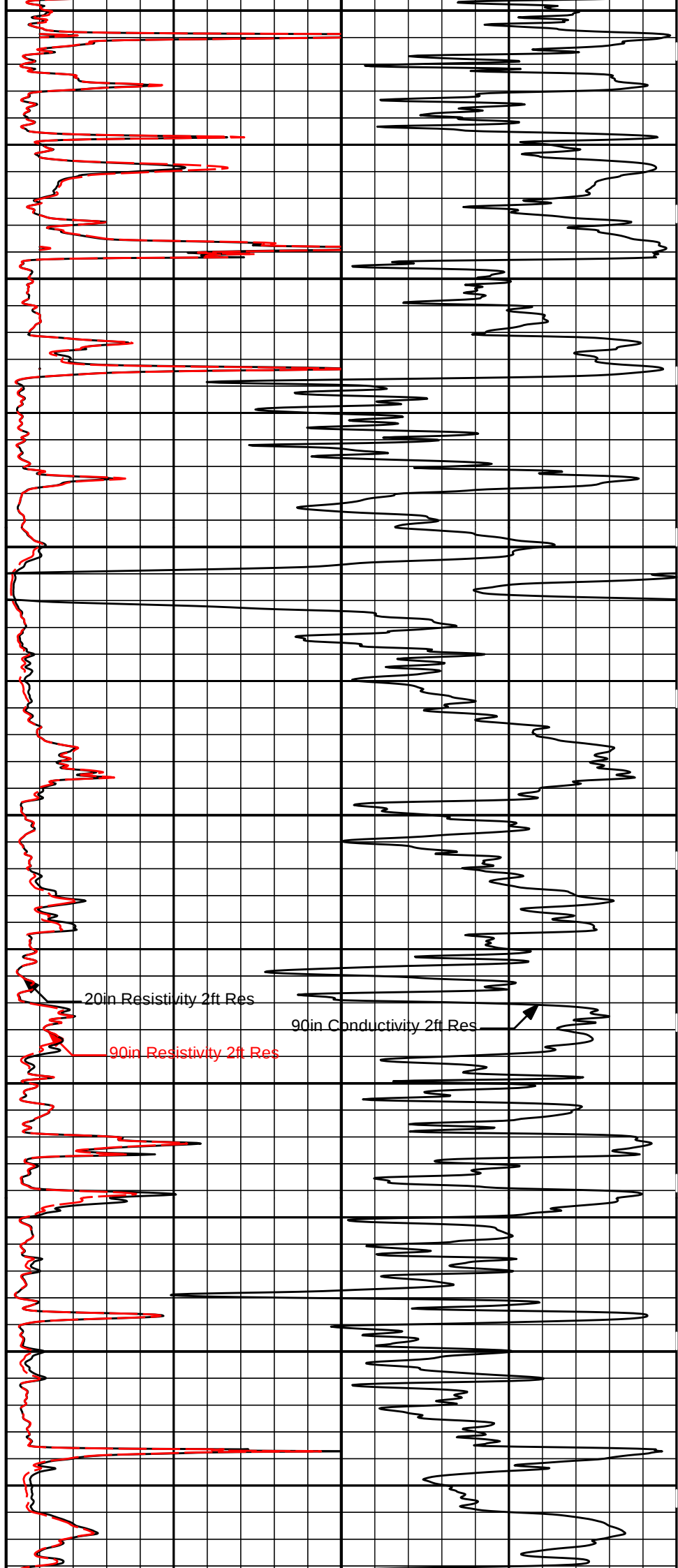
2600

2700

2800

2900

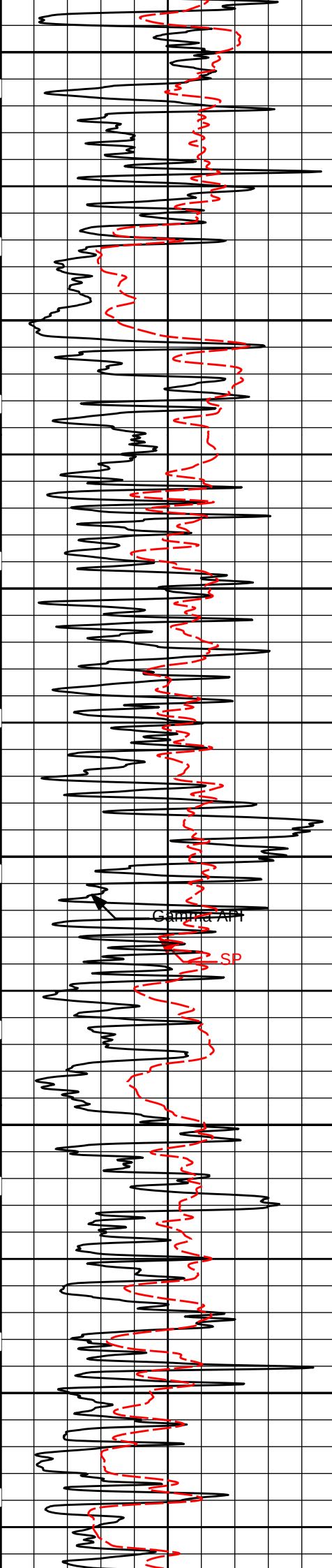
3000



20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res



3100

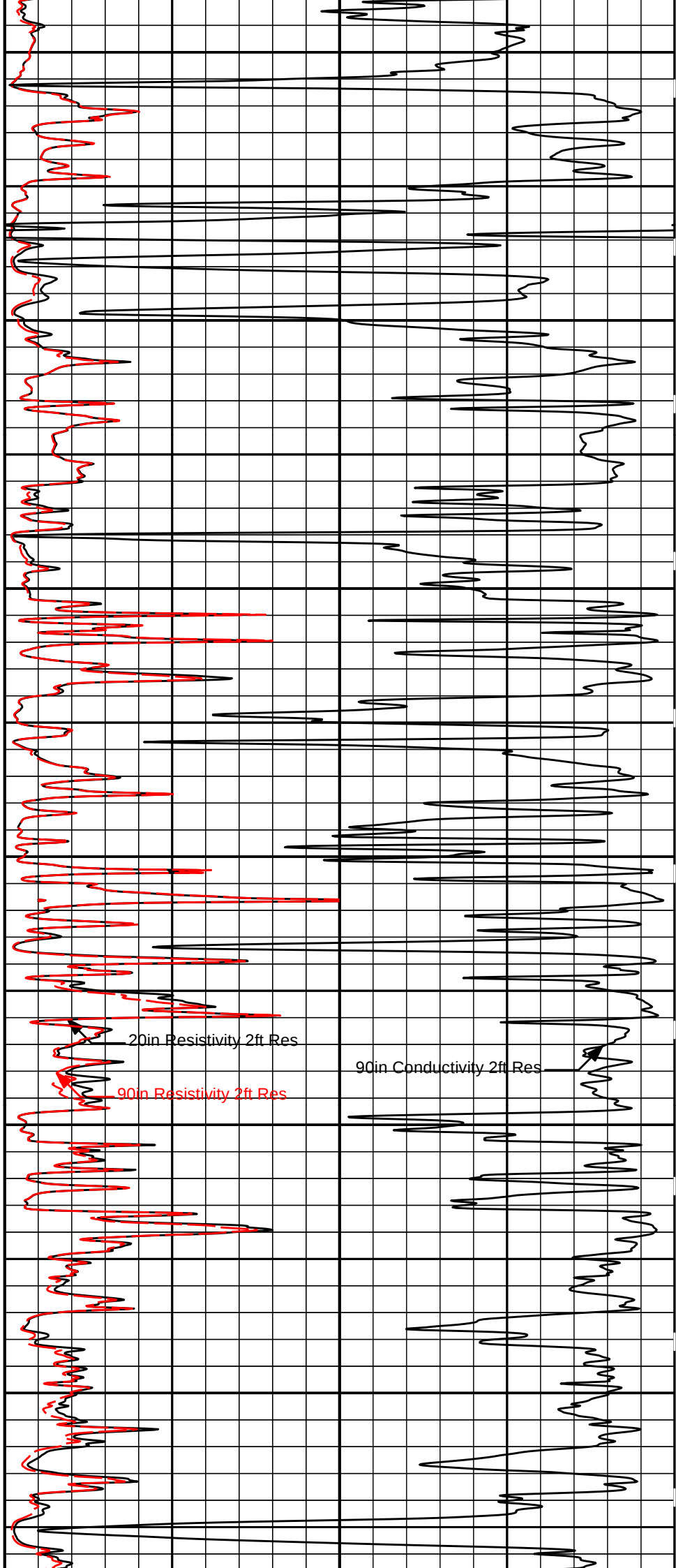
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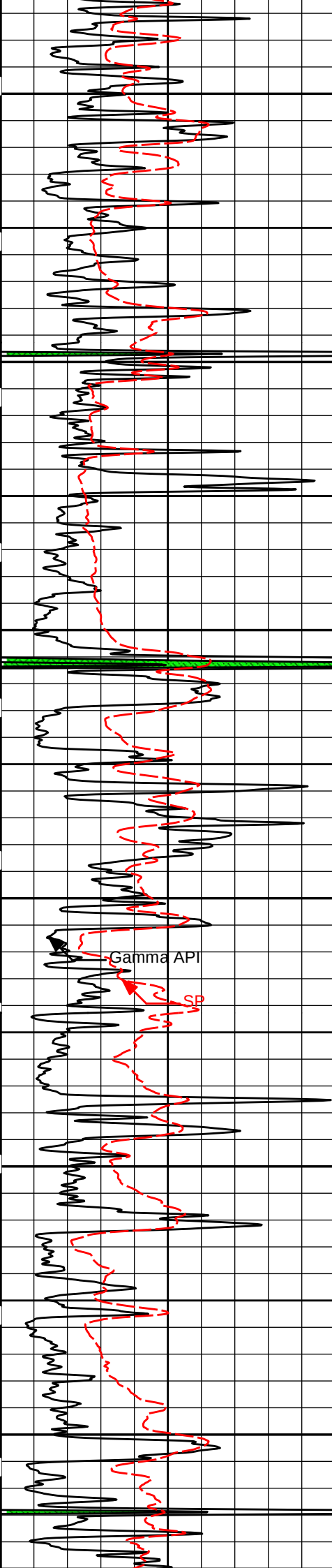
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3400

3500

3600





3700

3800

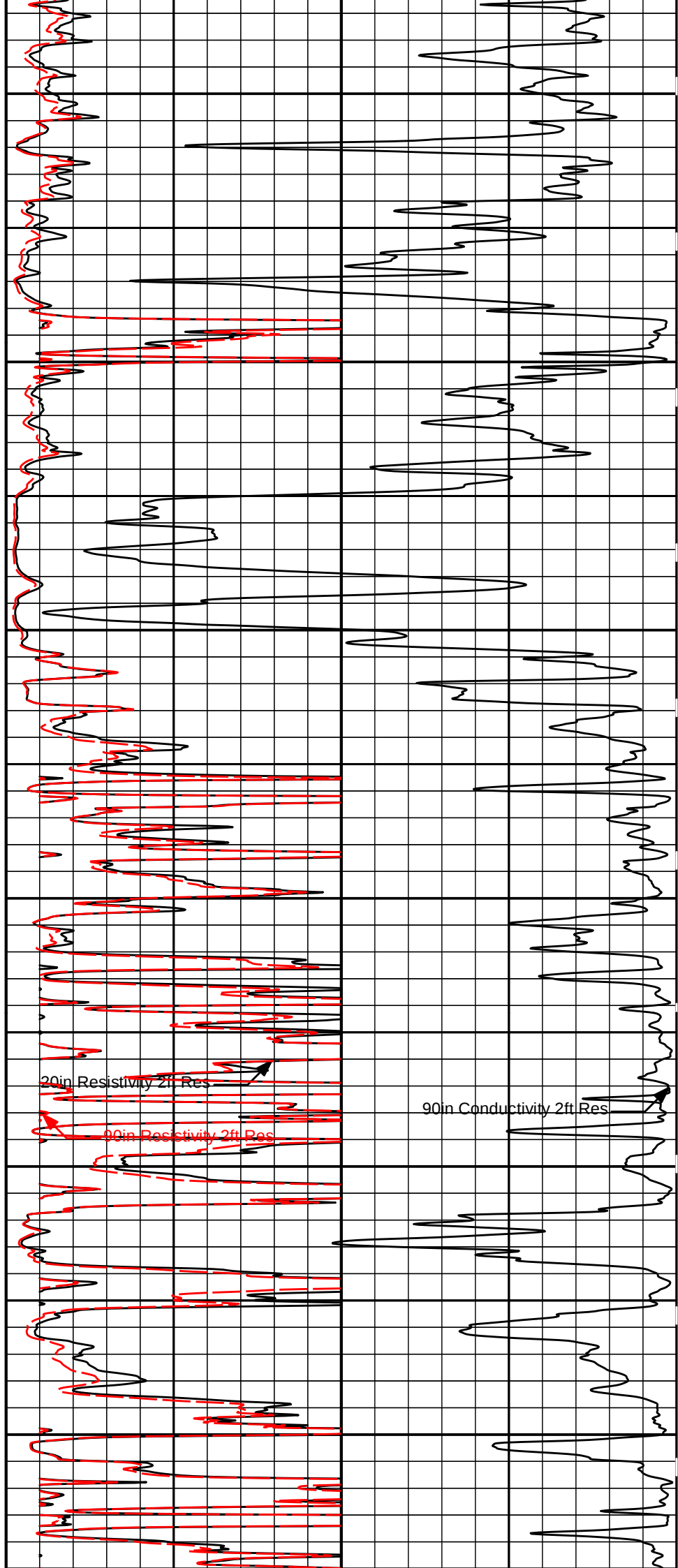
3900

4000

4100

4200

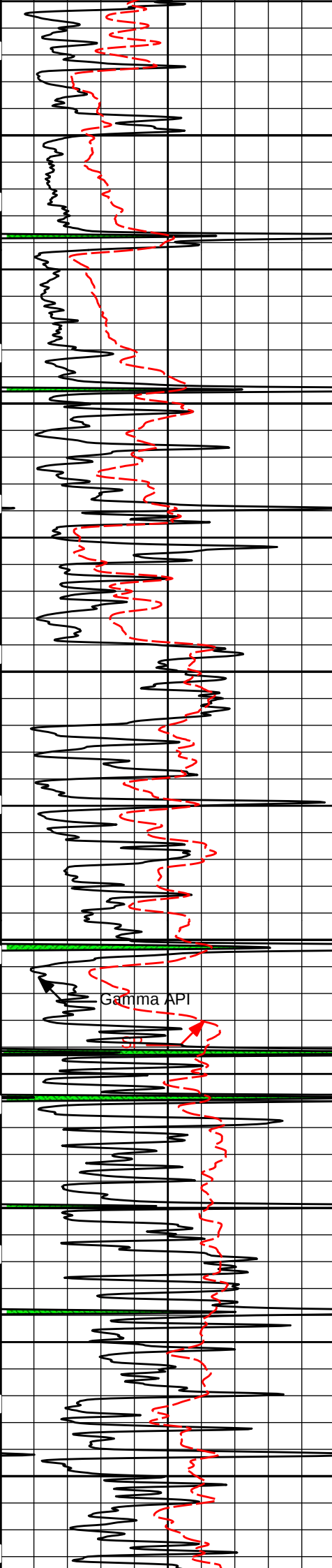
Gamma API
GR



20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res



4300

4400

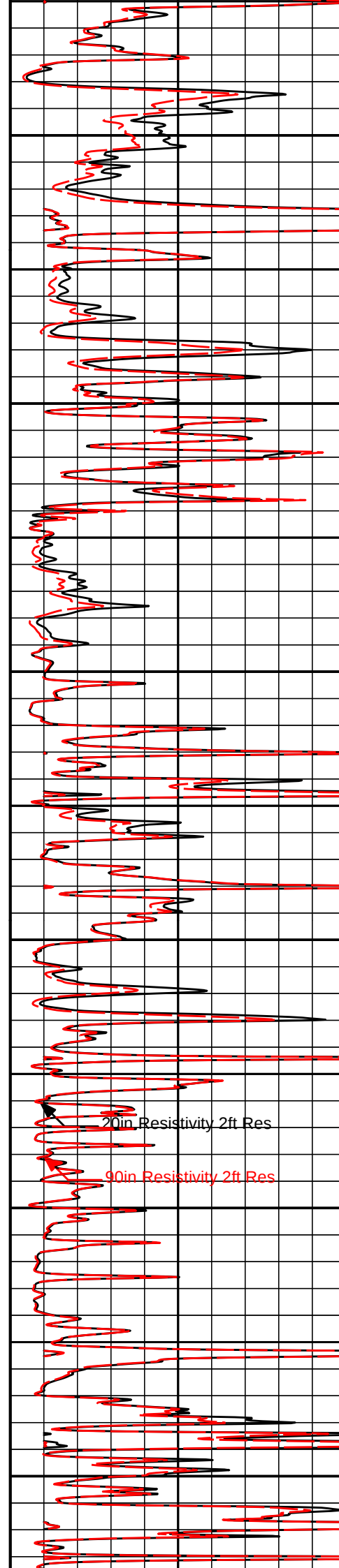
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4600

4700

4800

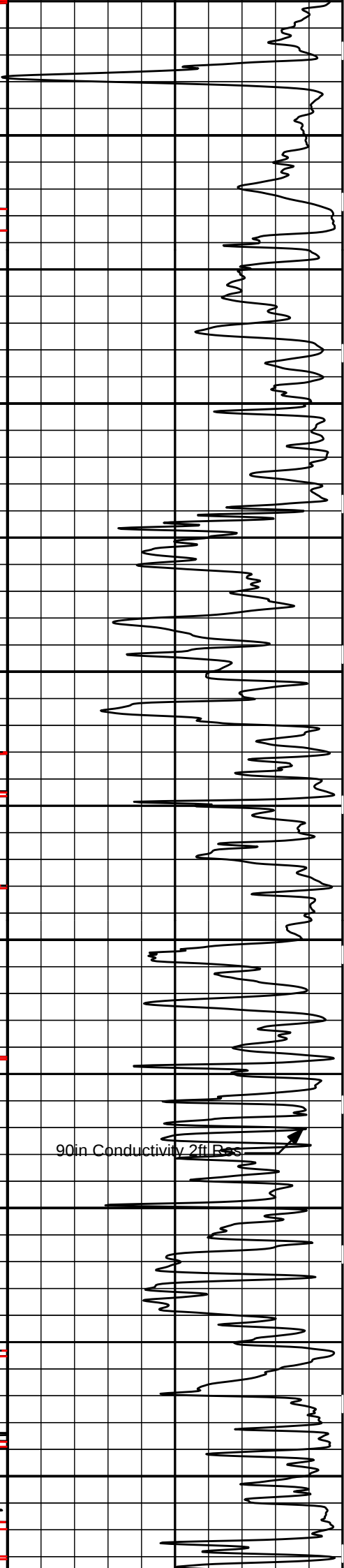
Gamma API

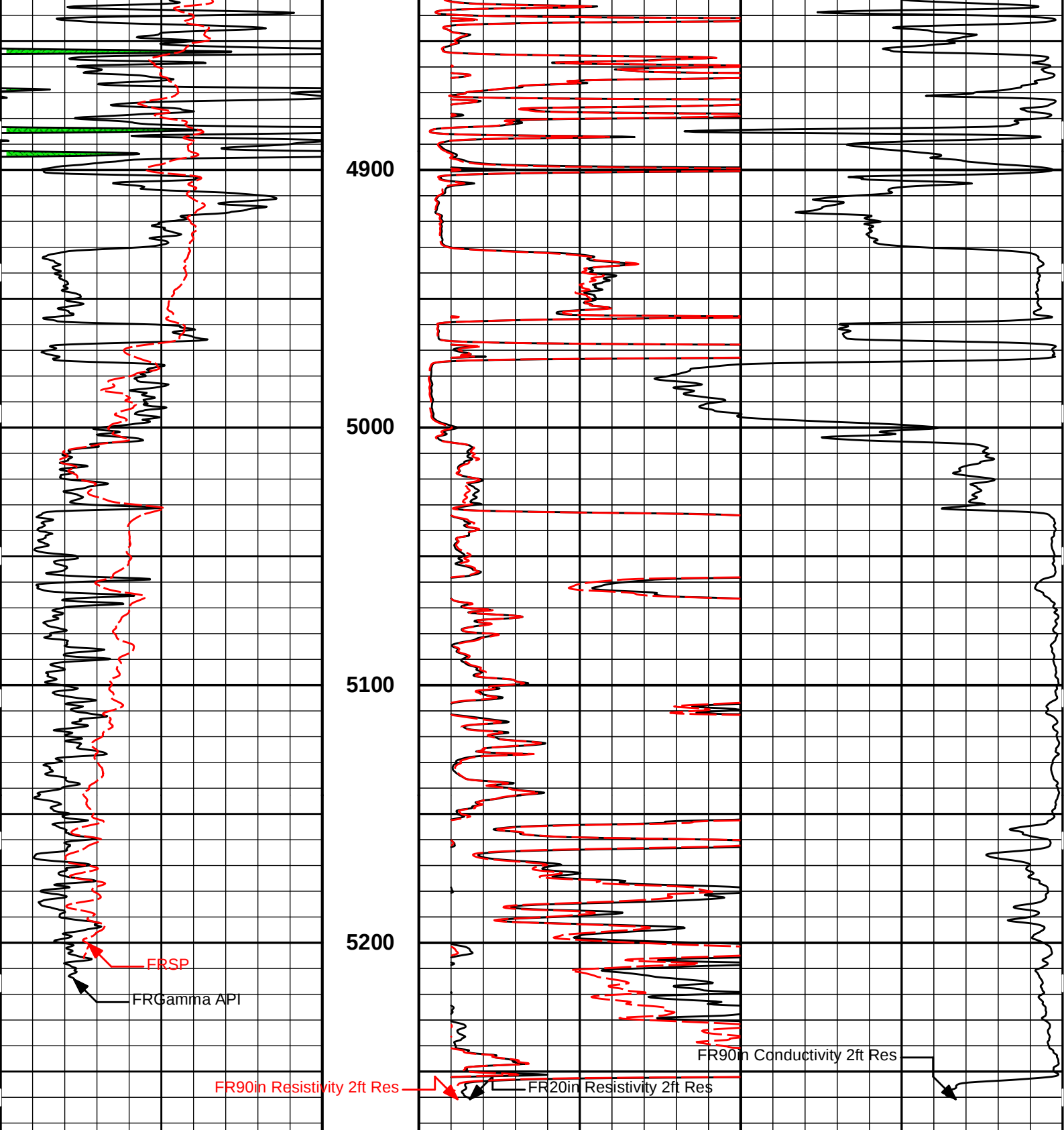


20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res





0	Gamma API	150	MD 1 : 600 ft	0	20in Resistivity 2ft Res	50	
	api				ohm-metre		
	SP			0	90in Resistivity 2ft Res	50	
	-]20[+				ohm-metre		
				1000	90in Conductivity 2ft Res		0
					mmho per metre		

HALLIBURTON

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Plot Range: 1690 ft to 5273.33 ft
Data: MCWILLIAMS_E7\Well Based\MAIN\
Plot File: \\-LOCAL-JACQUART_2\Well Based\ACRT2\ACRT_2_lib

2 INCH MAIN LOG

COMPANY	MERIT ENERGY COMPANY		
WELL	MCWILLIAMS E-7		
FIELD	COWGILL		
COUNTY	FINNEY	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG 2 INCH	