

# BAKER HUGHES

Baker Atlas



FILE NO: \_\_\_\_\_ COMPANY: **BRIDGE ENERGY, INC.**  
 WELL: **DJS PROPERTIES 1-15**  
 FIELD: **WILDCAT**  
 COUNTY: **PAYETTE** STATE: **IDAHO**

APR NO: **11-075-20020**  
 VGR: **3.87** LOCATION: **SW/4 NE/4**  
 SEC: **15** TWP: **24N** RGE: **4E**  
 OTHER SERVICES: **DAL 5WC**

PERMANENT DATUM: **G.L.** ELEVATION: **2475.53 FT**  
 LOG MEASURED FROM: **K.B.** ABOVE P.D.  
 DRILL MEAS. FROM: **K.B.**  
 ELEVATIONS:  
 KB: **2482.53 FT**  
 DF: \_\_\_\_\_  
 OL: **2475.53 FT**

DATE	TRIP	1	1
SERVICE ORDER		587142	
DEPTH DRILLER		6226 FT	
DEPTH LOGGER		6226 FT	
BOTTOM LOGGED INTERVAL		6251 FT	
TOP LOGGED INTERVAL		0 FT	
CASING DRILLER		8.625 IN	0 848 FT
CASING LOGGER		847 FT	0
BR. SIZE		7.625 IN	
TYPE OF FLUID IN HOLE		S.B.M.	
DENSITY	VISCOSITY	9.3 LB/G	SB S
PH	FLUID LOSS	NA	NA
SOURCE OF SAMPLE	CIRCULATION TANK	NA	0
RM AT MEAS. TEMP.		NA	0
RM AT MEAS. TEMP.		NA	0
RM AT MEAS. TEMP.		NA	0
SOURCE OF RMF	RMG	NA	0
RM AT BHT		NA	0 254 DEGF
TIME SINCE CIRCULATION		10 HOURS	
MAX. RECORDED TEMP.		254 DEGF	
EQUIP. NO.	LOCATION	H-6726	ROCK SPRING.
RECORDED BY		VEJC:IMK	
WITNESSED BY		TOM STEWART / ED DAVIES	

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

**REMARKS**

RUN 1 TRIP 1: CYOL COMPUTED USING 4.5" CASING (BVOL, CYOL UNITS IN CUBIC FEET)  
 CALIPER VERIFIED IN CASING

RHO M = 2.85 G/CC RHO F = 0.9 G/CC  
 MATRIX = SANDSTONE  
 DELT M = 51.3 MIC/FT

ALSO WITNESSING LOG: CHRIS NERUD / RON RICHARDS

THANKS FOR USING BAKER ATLAS  
 CREW: THOMSON / FERRIS  
 RIG: RAZORBACK

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**EQUIPMENT DATA**

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	SWL	38440	10152588	FREE
1	1	TRIP	38419	1033357	FREE

1	1	WTS	3514KB	10200359	DECENTRALIZED
1	1	GR	1328KB	10186895	DECENTRALIZED
1	1	CN	2446KB	153114	DECENTRALIZED
1	1	ZDL	2374KB	10415856	DECENTRALIZED / PAD
1	1	KHCK	3514KB	10185403	FREE
1	1	HDL	1715FA / 1690MA	104813 / 85559	1.5" STANDOFFS
1	1	CENT	4341KB	10182851	CENTRALIZED / 4-ARM
1	1	DAL	1677FA / 1690MA	185389 / 179620	CENTRALIZED
1	1	CENT	4341KB	121590	CENTRALIZED / 4-ARM

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## MAIN LOG 2"/100FT SCALE

ECLIPS 6.1f Aug 06, 2010

Thu Nov 4 06:17:13 2010

Prpfit /main/62

Cplot

Pdf\_Cpp /main/16

Fileview 5.50

### PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/587142/m77cy\_DAL06.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 858.750 ft BOTTOM DEPTH: 4104.250 ft

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
Y AXIS CALIPER	FILTER ()	medium (1)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
CALIPER	FILTER ()	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"

#### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
BIT SIZE	BIT SIZE	7.625	1in	TOP	BOTTOM
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	7.625	1in	"	"
BH MUD RESISTIVITY SOURCE	RMD SOURCE (HDIL)	OIL BASE MUD		"	"

#### HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	STANDOFF		"	"
	STANDOFF	0.70	1in	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rmd MULTIPLIER	1.000		"	"

### PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/587142/m77cy\_DAL07.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 75.750 ft BOTTOM DEPTH: 948.000 ft

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
Y AXIS CALIPER	FILTER ()	medium (1)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
CALIPER	FILTER ()	medium (1)		"	"

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FILTER (.h)  
FILTER (.h)

medium {1}  
medium {1}

'' ''  
'' ''

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MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
BIT SIZE	BIT SIZE	10.625	1in	TOP	BOTTOM
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE		''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	10.625	1in	''	''
BH MUD RESISTIVITY SOURCE	MUD SOURCE (HDIL)	OIL BASE MUD		''	''

## HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		''	''
	ABC to CALCULATE	STANDOFF		''	''
	STANDOFF	0.70	1in	''	''
	TOOL POSITION	ECCENTERED		''	''
	Rmsd MULTIPLIER	1.000		''	''

## CURVE DESCRIPTION REPORT

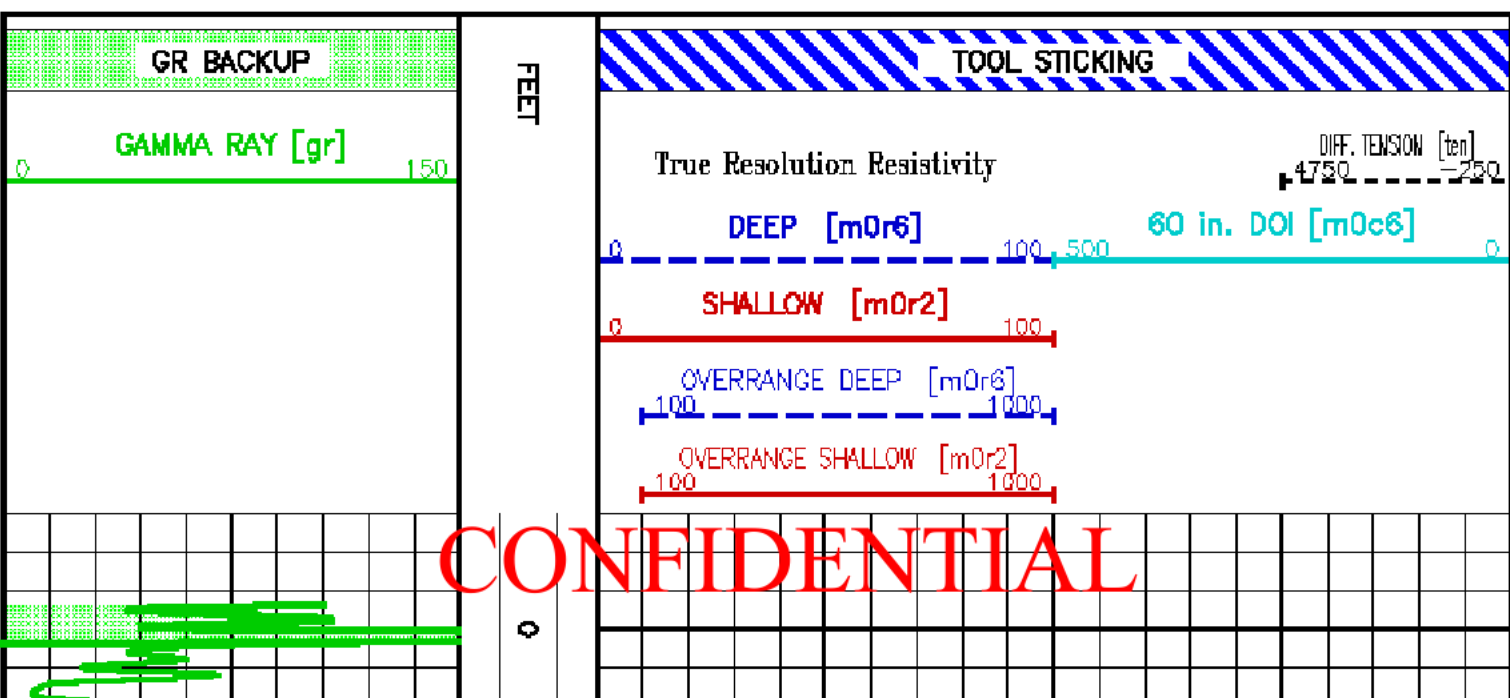
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:GR	Nov 4 02:10:35 2010	GAMMA RAY
F1:MOC6	Nov 4 00:21:30 2010	FOCUSED CONDUCTIVITY, 60-INCH DOI
F1:MOR2	Nov 4 00:21:30 2010	TRUE FOCUSED RESISTIVITY FOR HDIL, 20-INCH DOI
F1:MOR6	Nov 4 00:21:30 2010	TRUE FOCUSED RESISTIVITY FOR HDIL, 60-INCH DOI
F1:TEN	Nov 4 02:10:35 2010	DIFFERENTIAL TENSION

## CURVE MEASURE POINT OFFSET

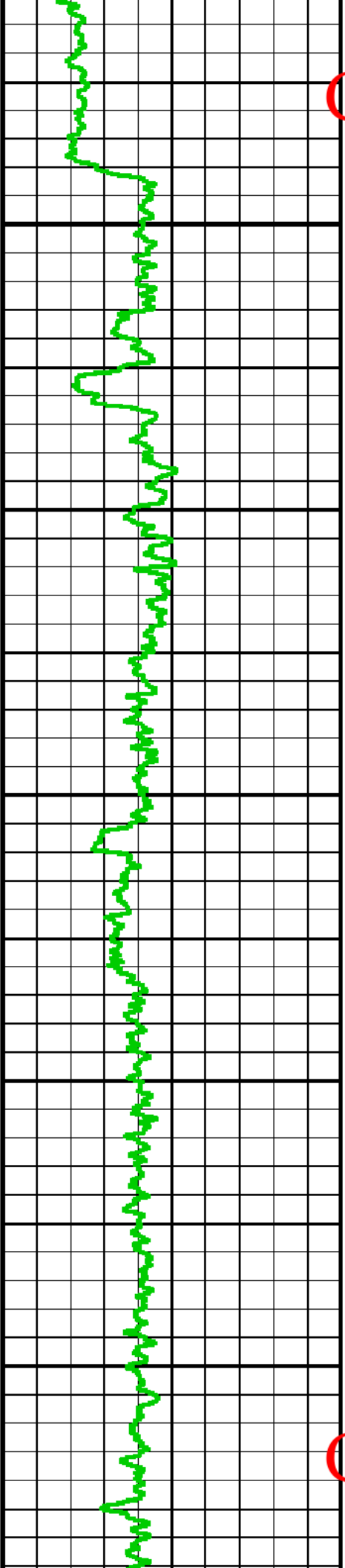
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GR	61.00	MOR2	36.75	TEN	0.00		
MOC6	36.75	MOR6	36.75				

Presentation : rta8728:/dat1a/587142/hdilln.pdf [2"/100' Scale]  
Plot Interval : -20.75 - 8300.75 Feet

Data File 1 : F1 : rta8728:/dat1a/587142/MAIN.tff  
Created On : Nov 4 00:21:30 2010  
Company : BRIDGE ENERGY, INC.  
Well : DJS PROPERTIES 1-15  
Field : WILDCAT  
File Interval : -20.75 - 8300.75 Feet  
Out : m77eq\_DA



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100

200

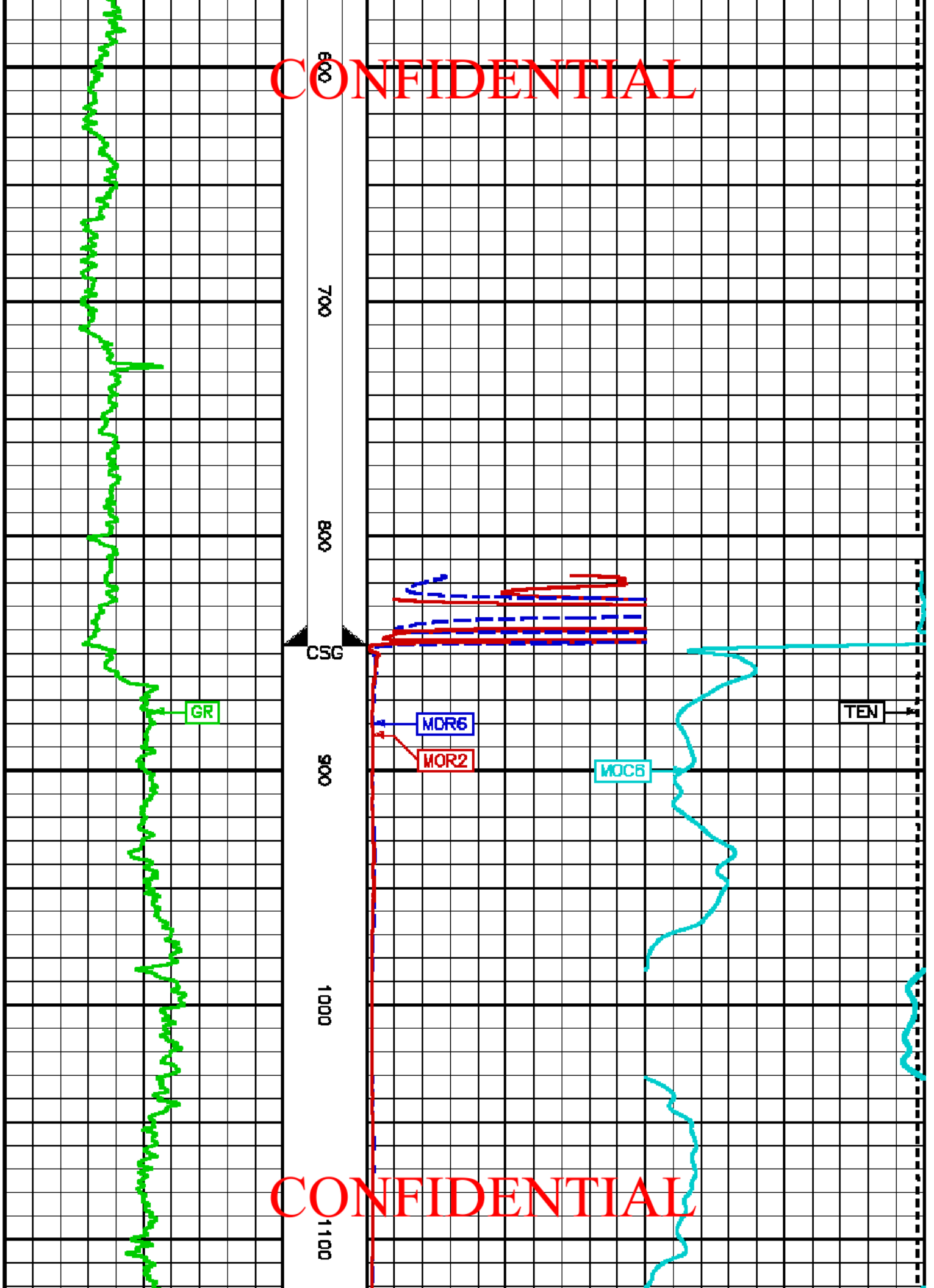
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400

500

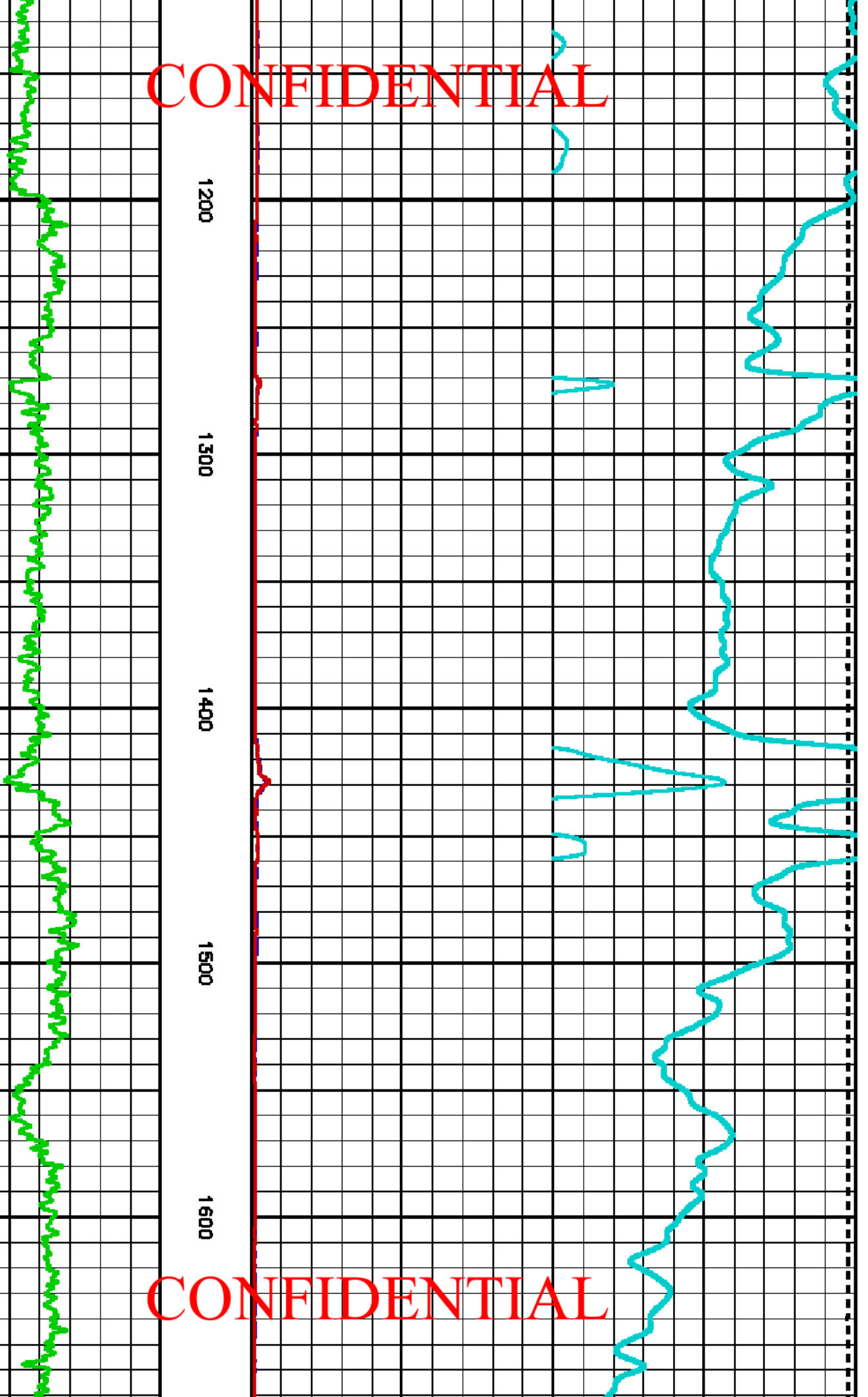
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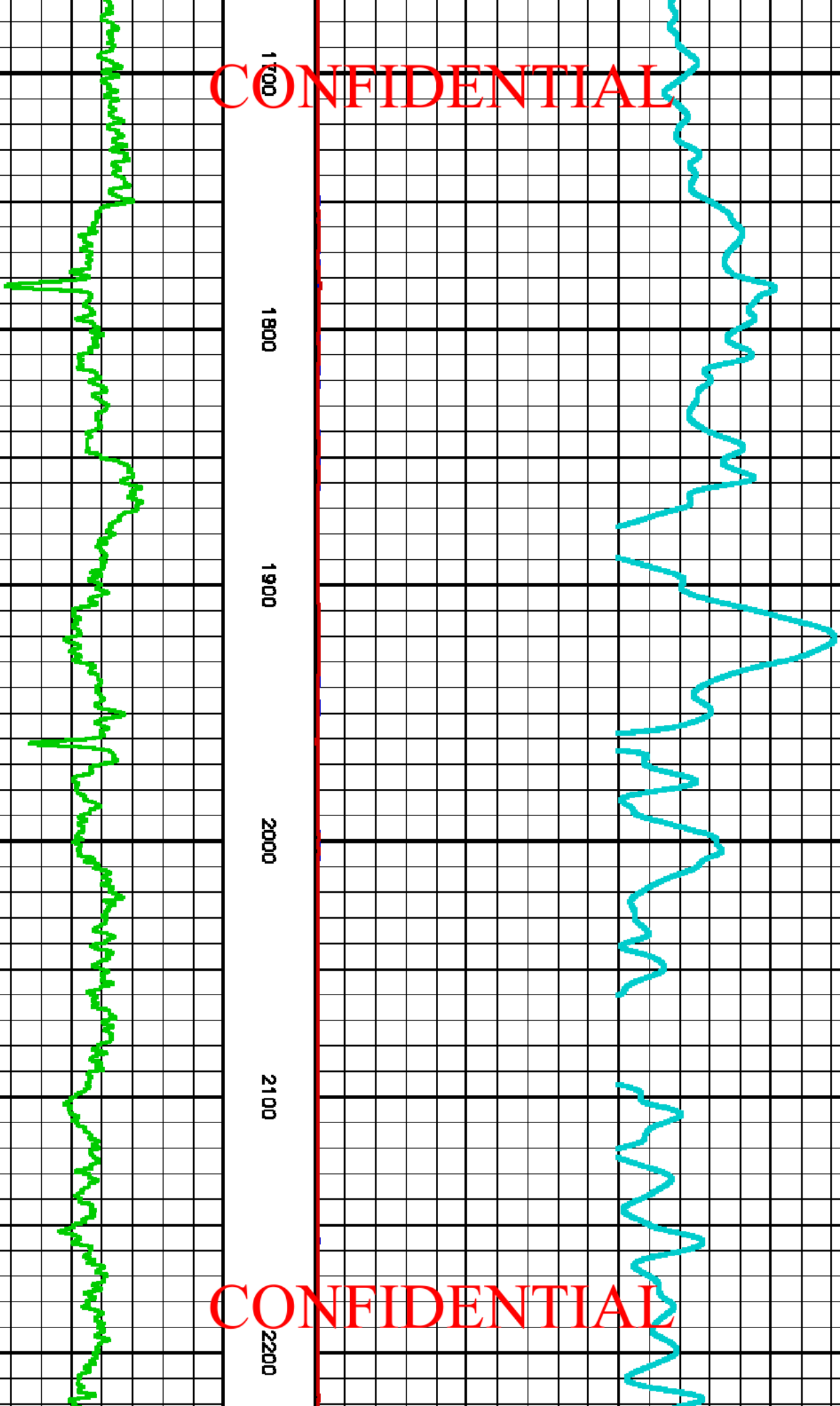


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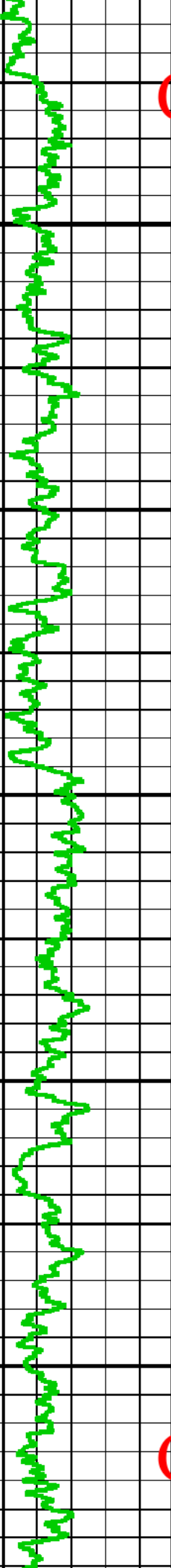
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1700 1800 1900 2000 2100 2200

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2300

2400

2500

2600

2700

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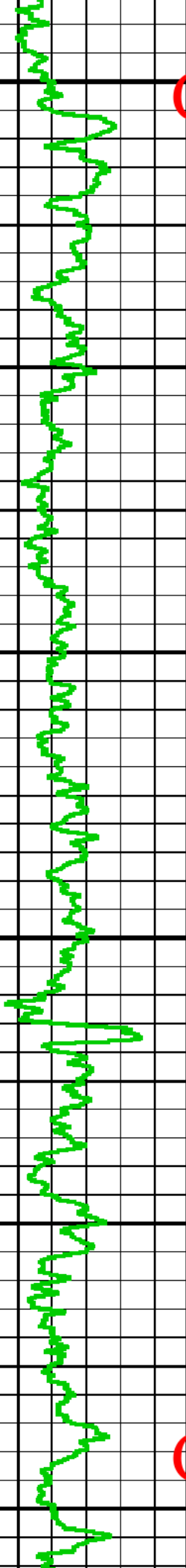
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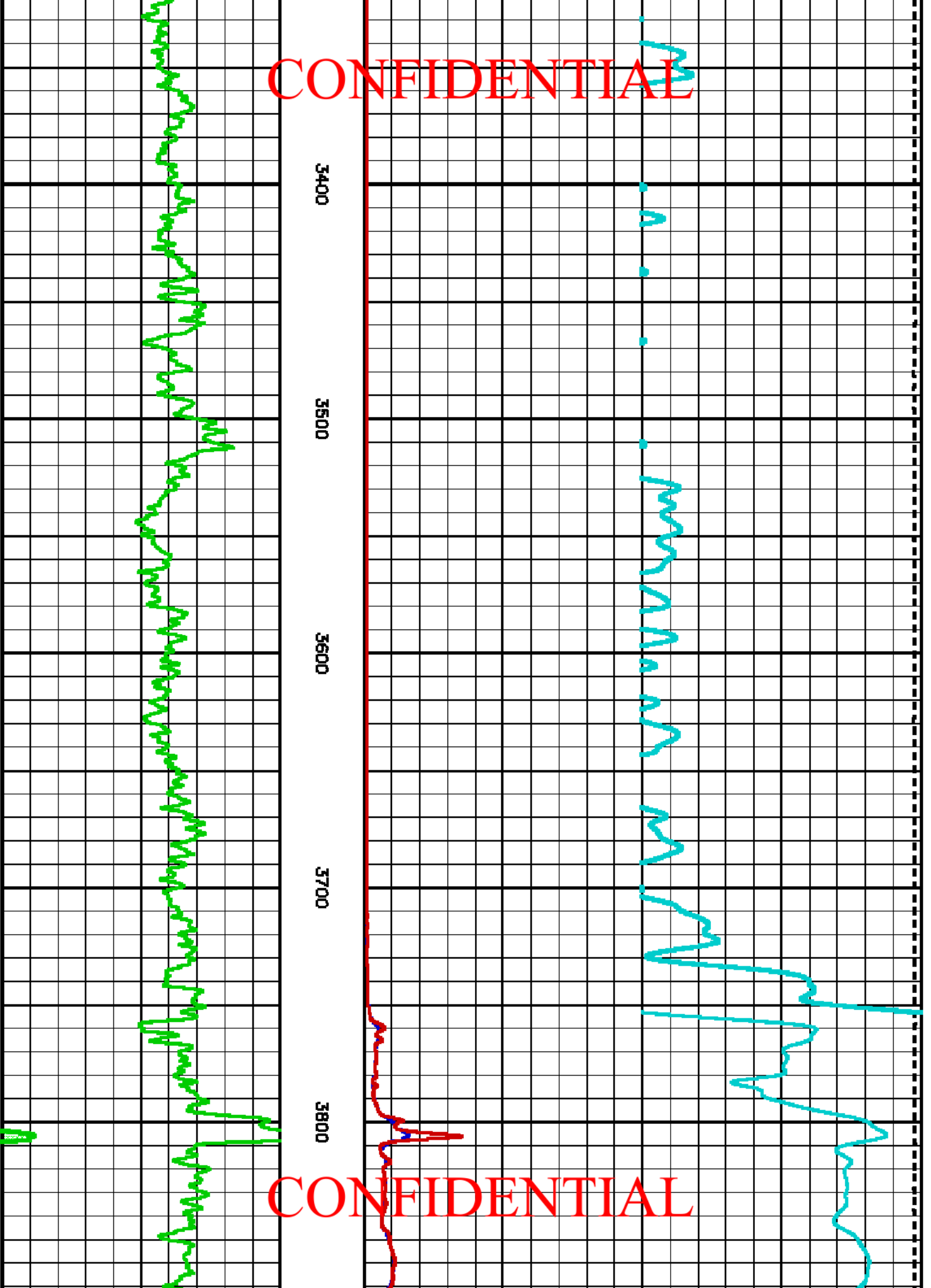


2800 2900 3000 3100 3200 3300



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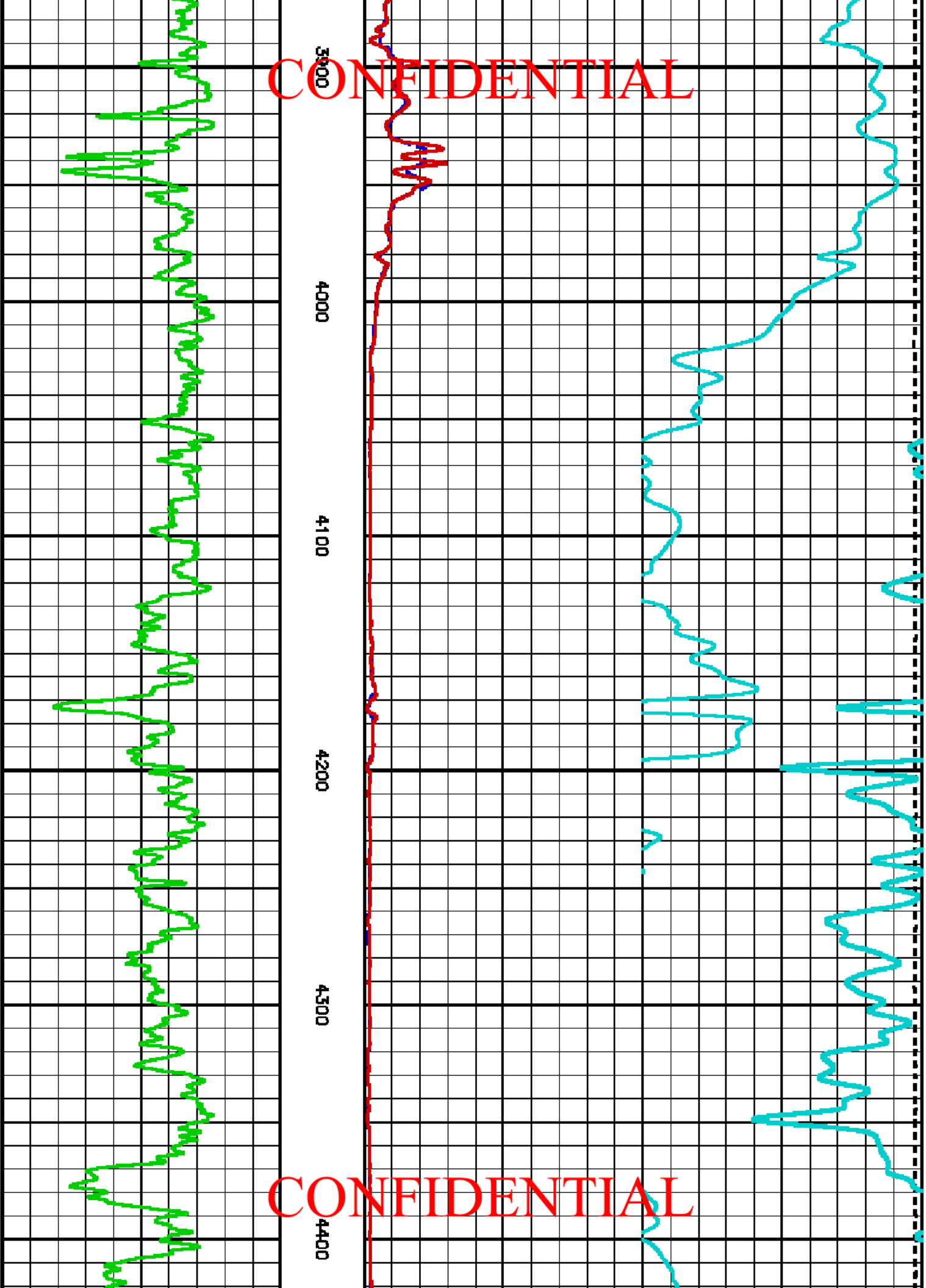
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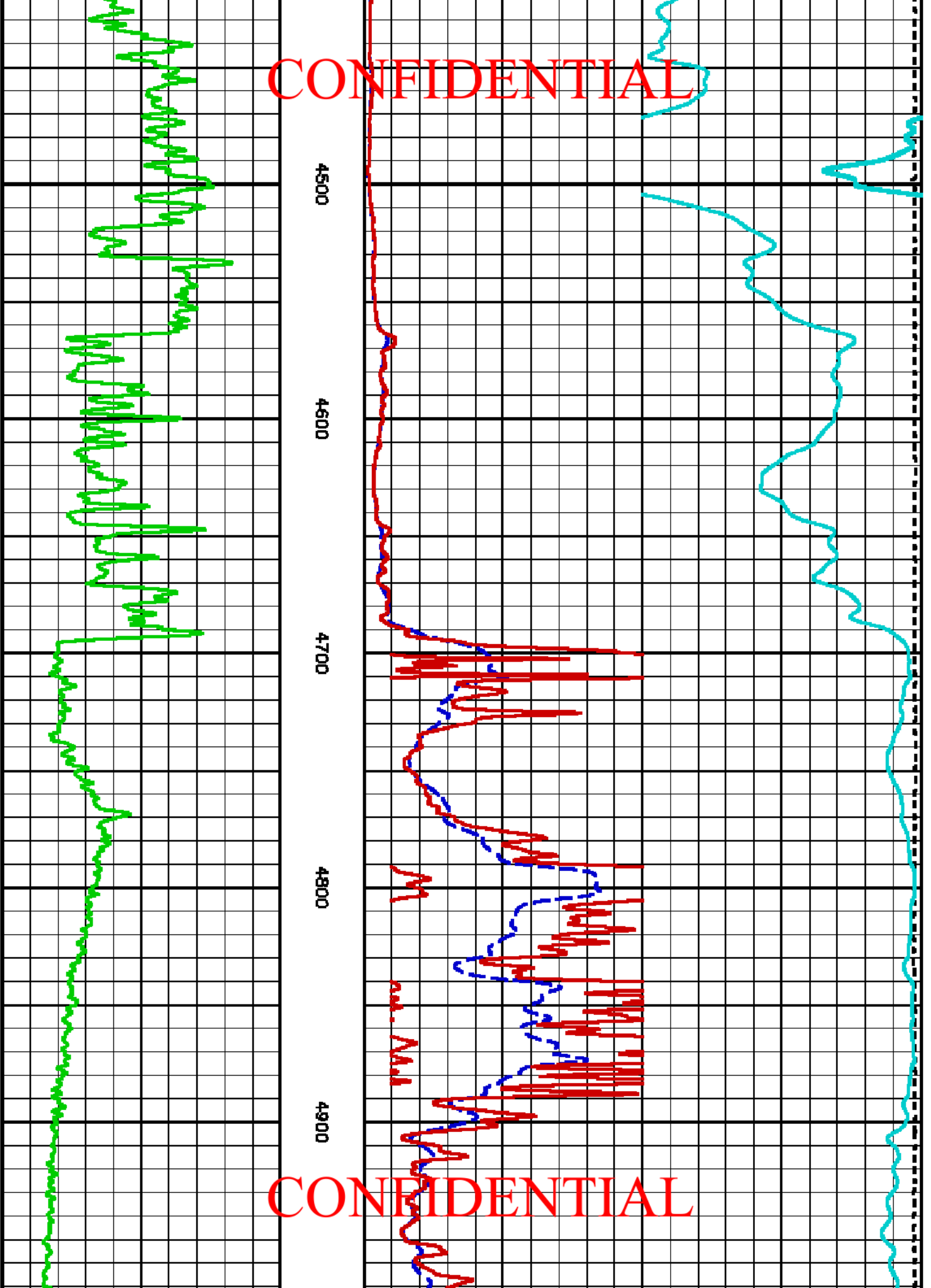
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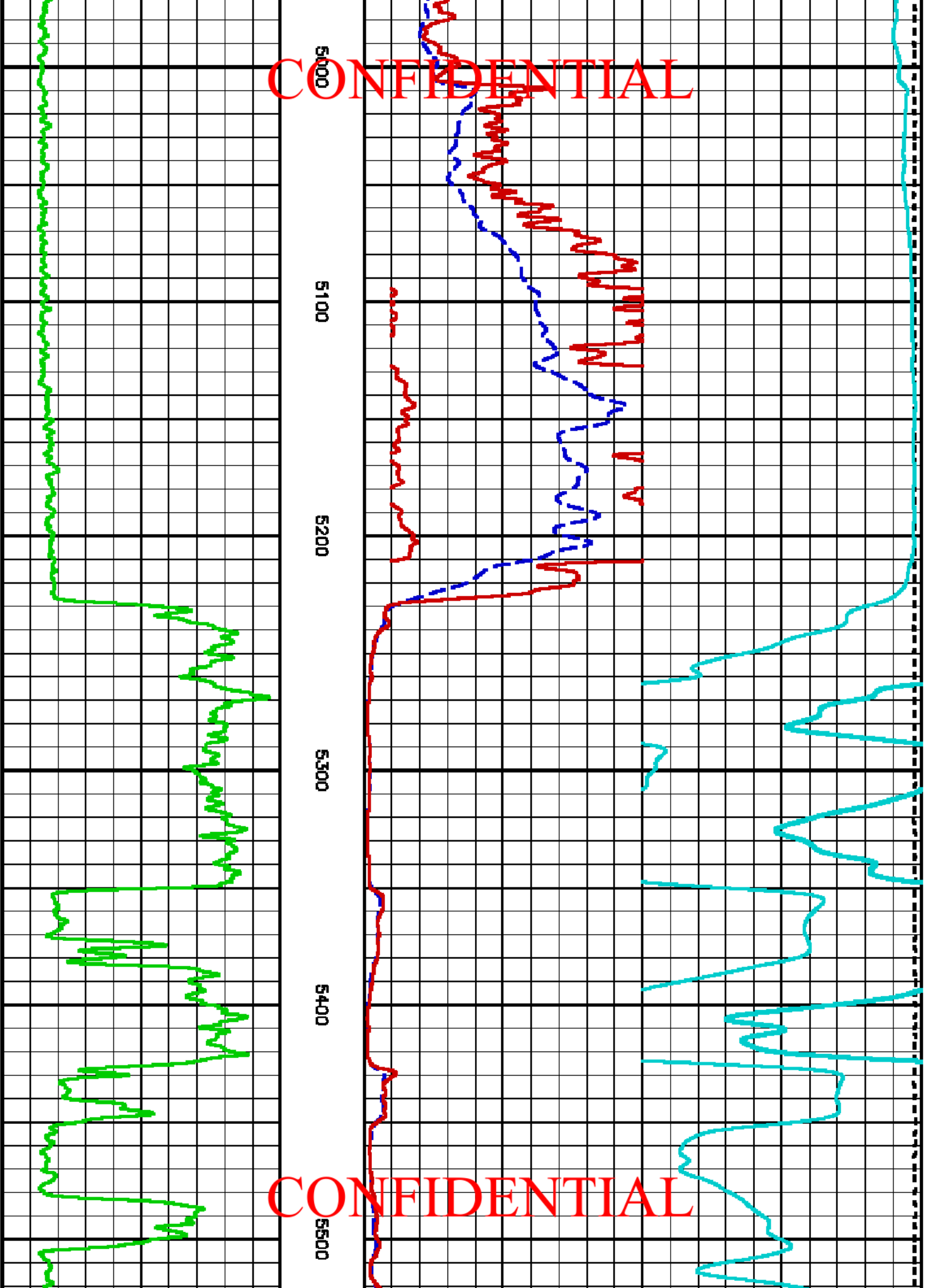


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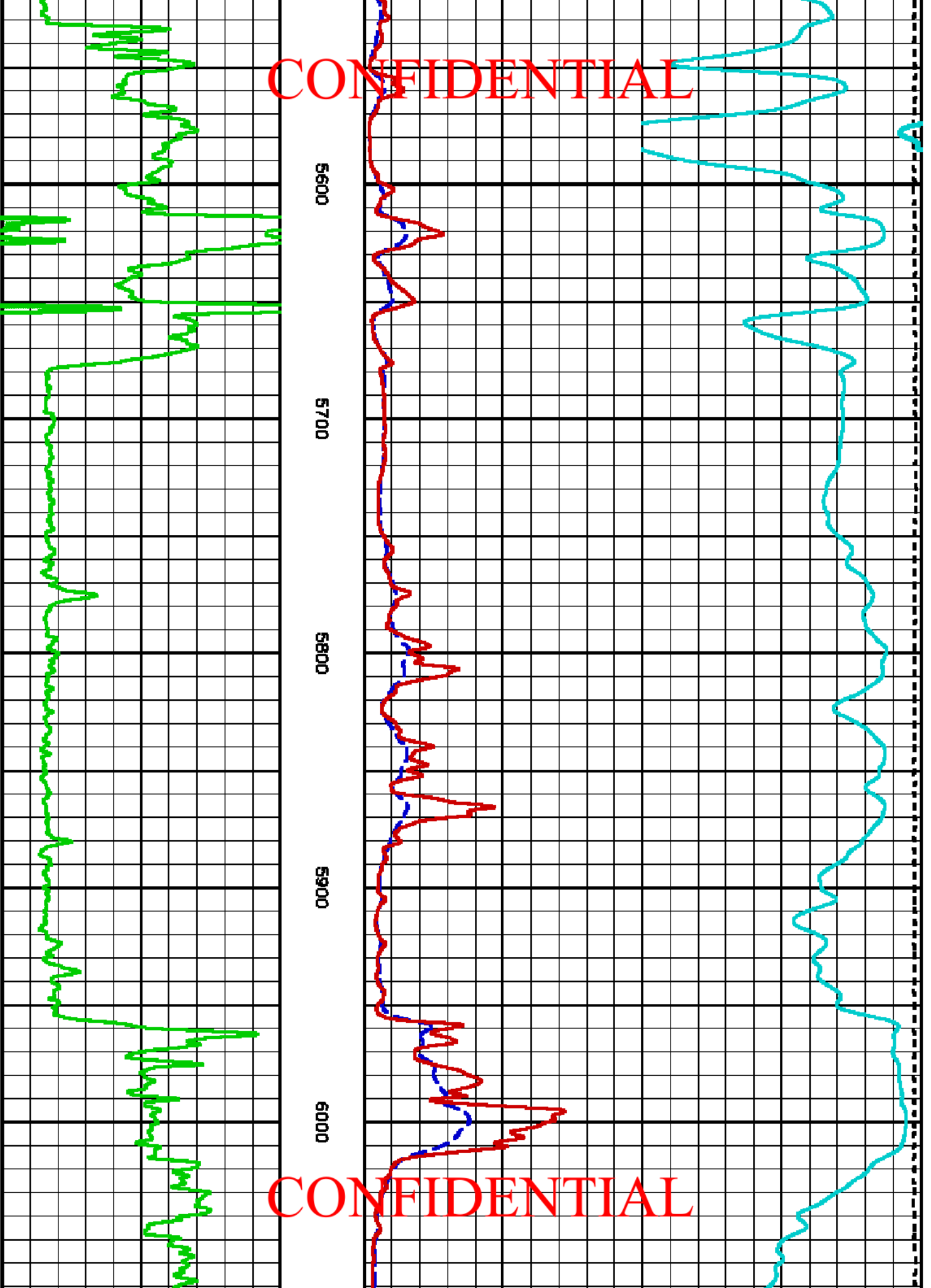
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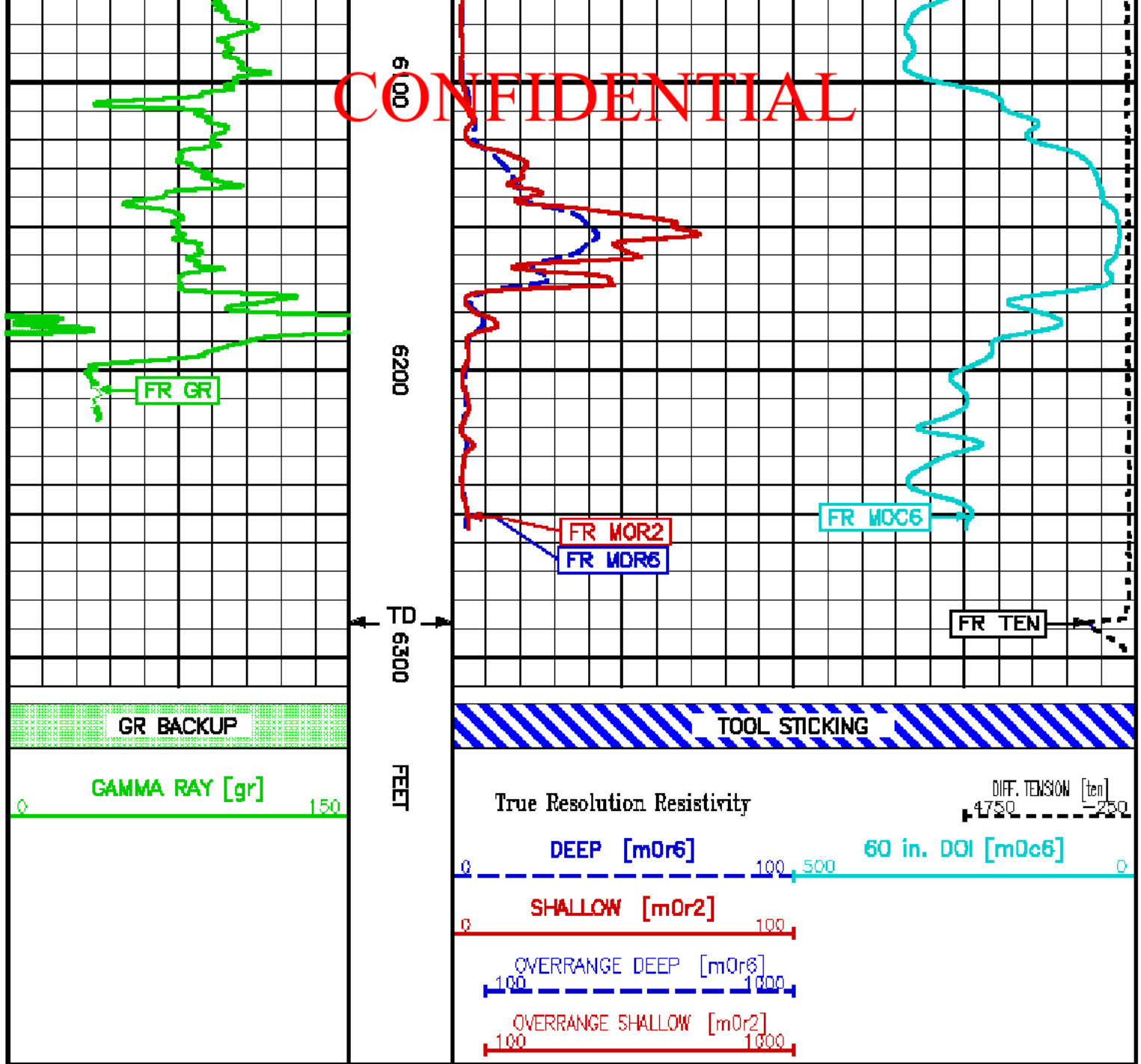
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MAIN LOG 5"/100FT SCALE

ECLIPS 6.11 Aug 06, 2010

Thu Nov 4 06:08:45 2010

Parplf /main/62

Cplot

Pdf\_Cpp /main/16

Flview 5.50

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FILE: /data/587142/m77cv\_DAL06.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 809.750 ft BOTTOM DEPTH: 4104.250 ft

SYMMETRIC FILTER

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MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
Y AXIS CALIPER	FILTER ( )	medium (1)		TOP	BOTTOM
TENSION	FILTER ( )	medium (1)		"	"
GR	FILTER ( )	medium (1)		"	"
CN	FILTER ( )	medium (1)		"	"
CALIPER	FILTER ( )	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
ZDL MED RES	FILTER (hrd1*)	medium		"	"
	FILTER (hrd1a*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2a*)	medium		"	"

## BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	4.500	1m	TOP	BOTTOM
	CASING THICKNESS	0.000	1m	"	"
BIT SIZE	BIT SIZE	7.625	1m	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	7.625	1m	"	"
	FIXED DIAMETER (cnbh*)	7.625	1m	"	"
BH MUD RESISTIVITY SOURCE	RMD SOURCE (HDIL)	OIL BASE MUD		"	"

## CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
2448 CN MATRIX	2448 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	"	"
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNO	7.675	1m	"	"

## ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DENSITY POROSITY	RHDmatrix	2.650	g/cm3	TOP	BOTTOM
	RHDfluid	0.900	g/cm3	"	"
ZDL	DENK TRACKING	ON		"	"

## HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	STANDOFF		"	"
	STANDOFF	0.70	1m	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rmad MULTIPLIER	1.000		"	"

## PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/587142/m77cy\_DAL07.prm  
 LOGGING MODE: DEPTH      DIRECTION: UP  
 TOP DEPTH: 75.750 ft      BOTTOM DEPTH: 948.000 ft

## SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
Y AXIS CALIPER	FILTER ( )	medium (1)		TOP	BOTTOM
TENSION	FILTER ( )	medium (1)		"	"
GR	FILTER ( )	medium (1)		"	"
CN	FILTER ( )	medium (1)		"	"
CALIPER	FILTER ( )	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
ZDL MED RES	FILTER (hrd1*)	medium		"	"
	FILTER (hrd1a*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2a*)	medium		"	"

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**BOREHOLE & CEMENT**

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MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O. D.	8.625	1in	TOP	BOTTOM
	CASING TH. COEFFS	1.284	1in	"	"
BIT SIZE	BIT SIZE	10.625	1in	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE FIXED SIZE		"	"
	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	10.625	1in	"	"
	FIXED DIAMETER (mbh*)	10.625	1in	"	"
BH MUD RESISTIVITY SOURCE	RMD SOURCE (HDIL)	OIL BASE MUD		"	"

**CN PROCESSING**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
2448 CN MATRIX	2448 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	"	"
CN CASING & CEMENT CORRECTION	CORRECTION	ON		"	"
	BIT SIZE BEHIND CSNG	10.625	1in	"	"

**ZDL PROCESSING**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DENSITY POROSITY	RHOmatrix	2.650	g/cm3	TOP	BOTTOM
	RHOfluid	0.900	g/cm3	"	"
ZDL	DECK TRACKING	ON		"	"

**HDIL PROCESSING**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	STANDOFF		"	"
	STANDOFF	0.70	1in	"	"
	TOOL POSITION	ECCENTRICED		"	"
	Rmad MULTIPLIER	1.000		"	"

**CURVE DESCRIPTION REPORT**

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Nov 4 02:10:35 2010	BIT SIZE
F1:BVOL	Nov 4 02:10:35 2010	BOREHOLE VOLUME
F1:CAL	Nov 4 02:10:35 2010	CALIPER
F1:CMCF	Nov 4 02:10:35 2010	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Nov 4 02:10:35 2010	CEMENT VOLUME
F1:GR	Nov 4 02:10:35 2010	GAMMA RAY
F1:M2R1	Nov 4 00:21:30 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Nov 4 00:21:30 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Nov 4 00:21:30 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Nov 4 00:21:30 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Nov 4 00:21:30 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PORZ	Nov 4 00:21:30 2010	POROSITY FOR SELECTABLE MATRIX
F1:TEM	Nov 4 02:10:35 2010	DIFFERENTIAL TENSION
F1:ZCOR	Nov 4 00:21:30 2010	DENSITY CORRECTION
F1:ZDEN	Nov 4 00:21:30 2010	FORMATION BULK DENSITY

**CURVE MEASURE POINT OFFSET**

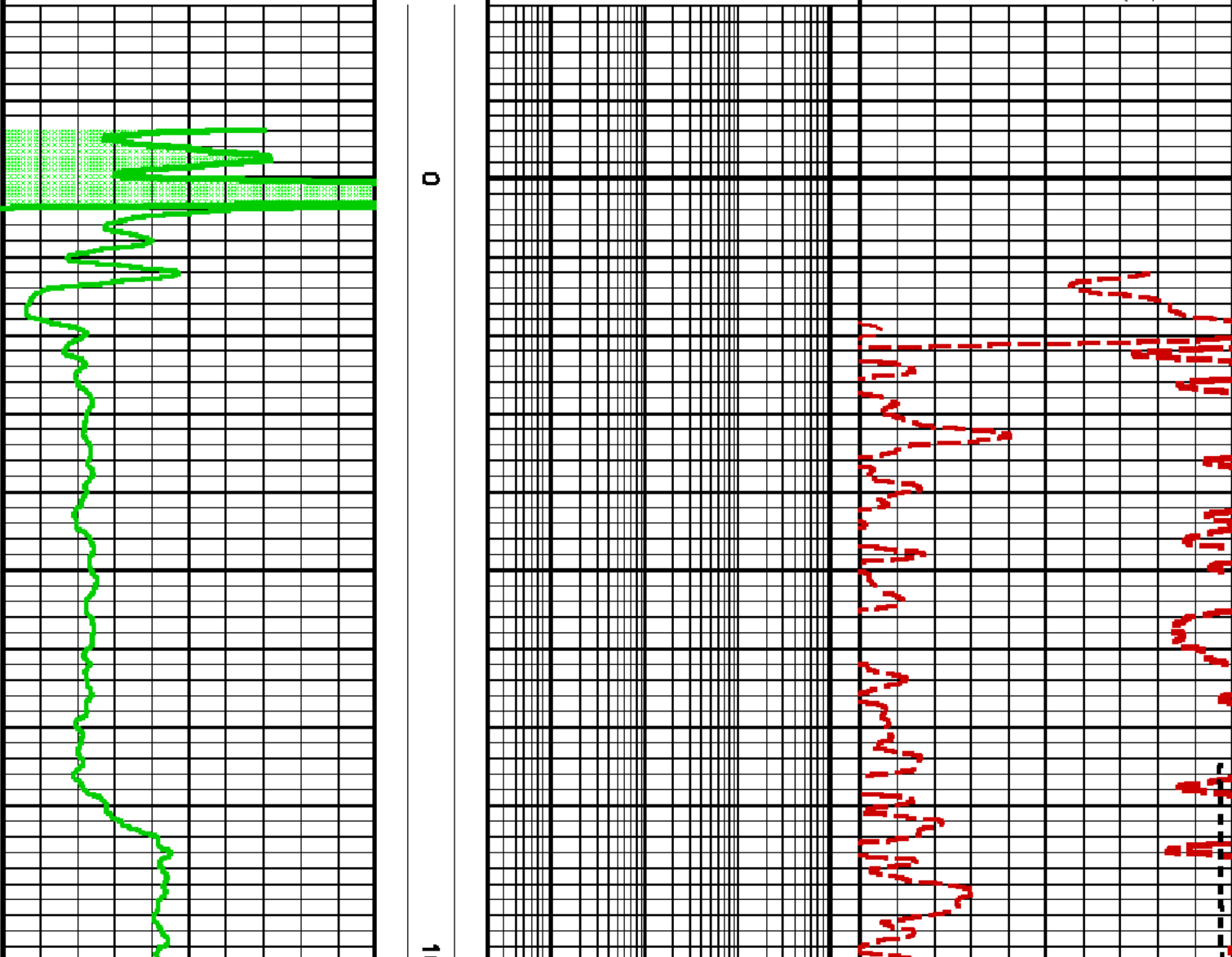
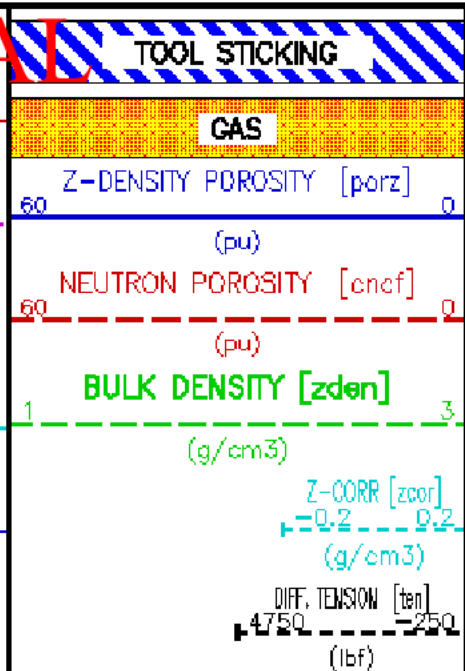
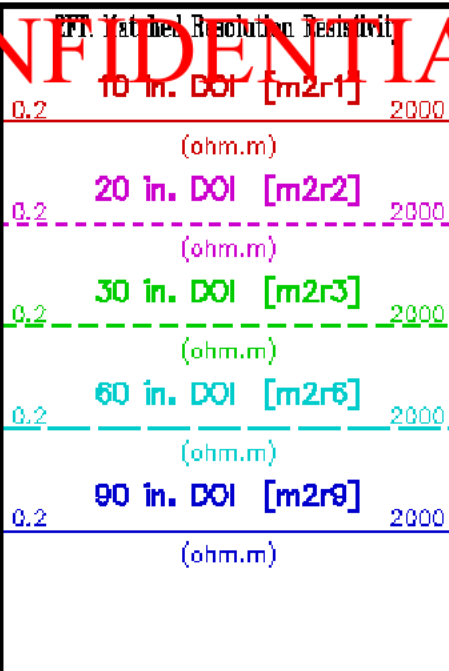
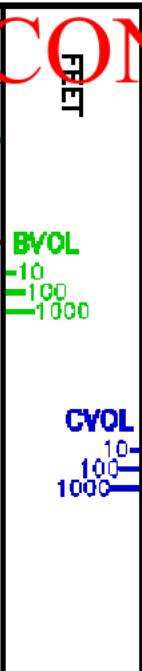
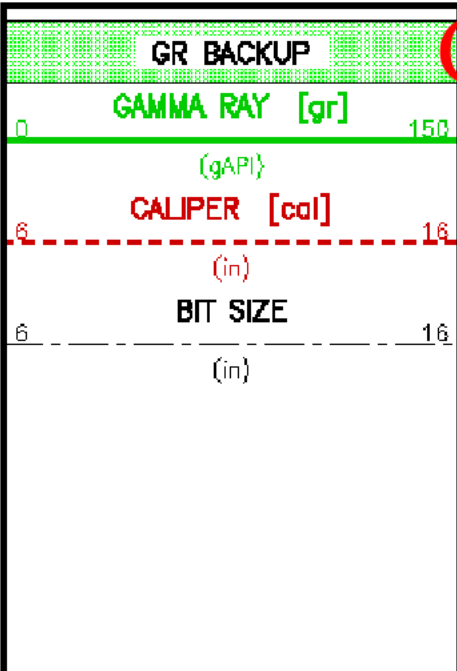
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M2R1	36.75	M2R9	36.75	ZDEN	65.00
CAL	65.50	M2R2	36.75	PORZ	65.00		
CMCF	74.00	M2R3	36.75	TEM	0.00		
GR	61.00	M2R6	36.75	ZCOR	65.00		

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Prescription : rts8728:/data/587142/SLAM\_MAIN.pdf [5"/100" Scale]  
 Plot Interval : -20.75 - 6300.75 Feet

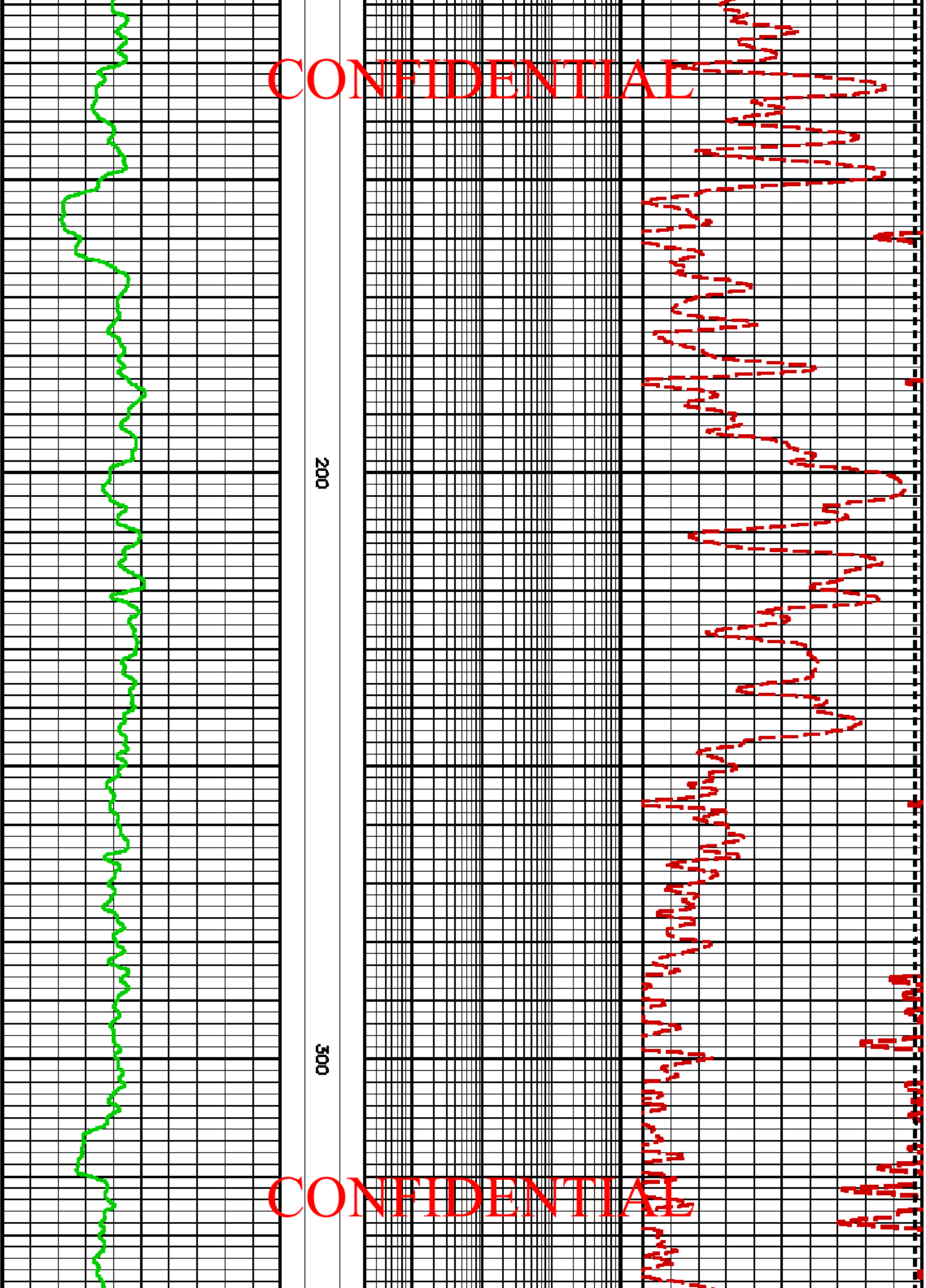
Data File 1 : F1 : rts8728:/data/587142/MAIN.knt  
 Created On : Nov 4 00:21:30 2010  
 Company : BRIDGE ENERGY, INC.  
 Well : DJS PROPERTIES 1-15  
 Field : WILDCAT

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200

300

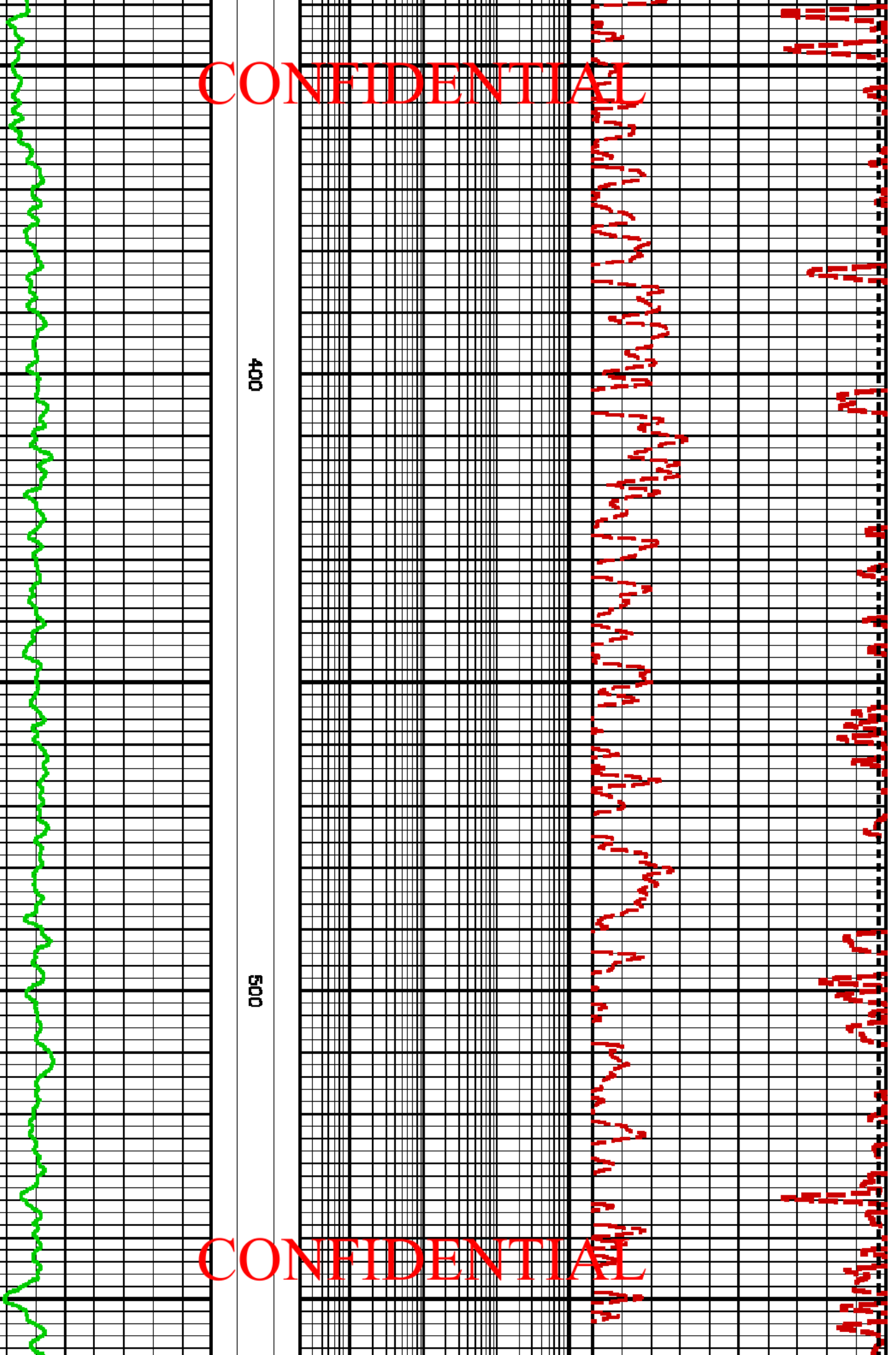
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400

500

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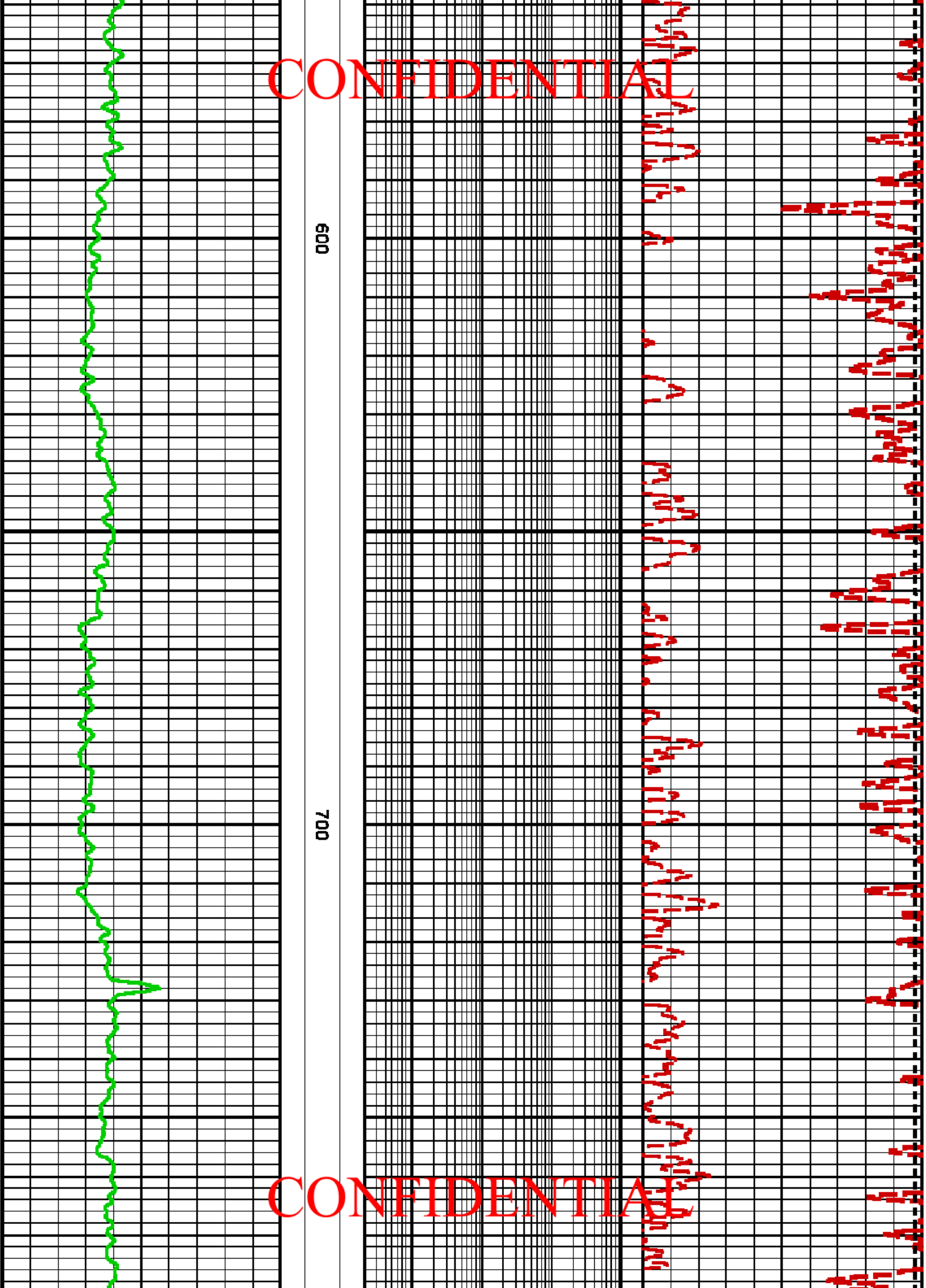


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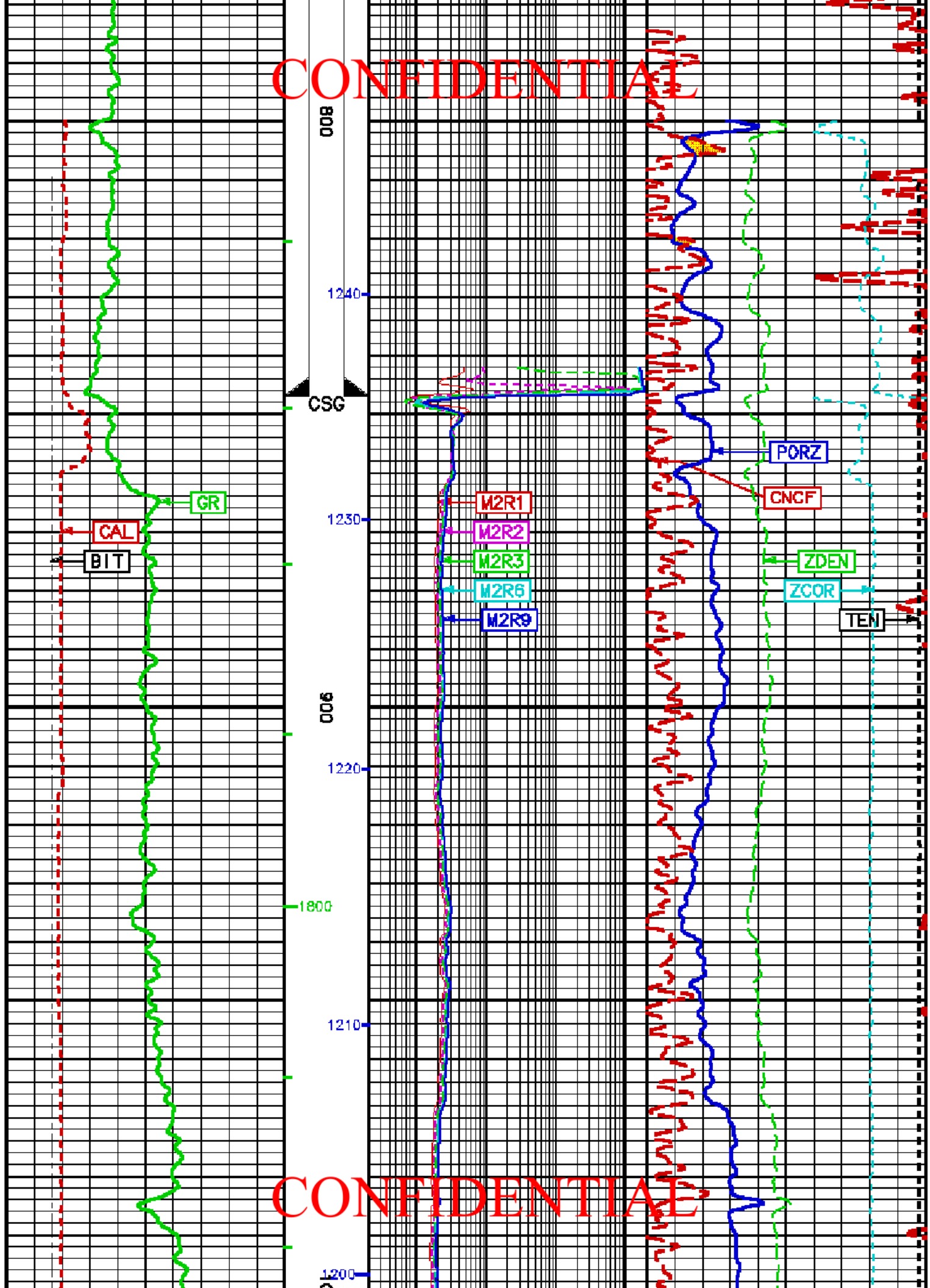
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700

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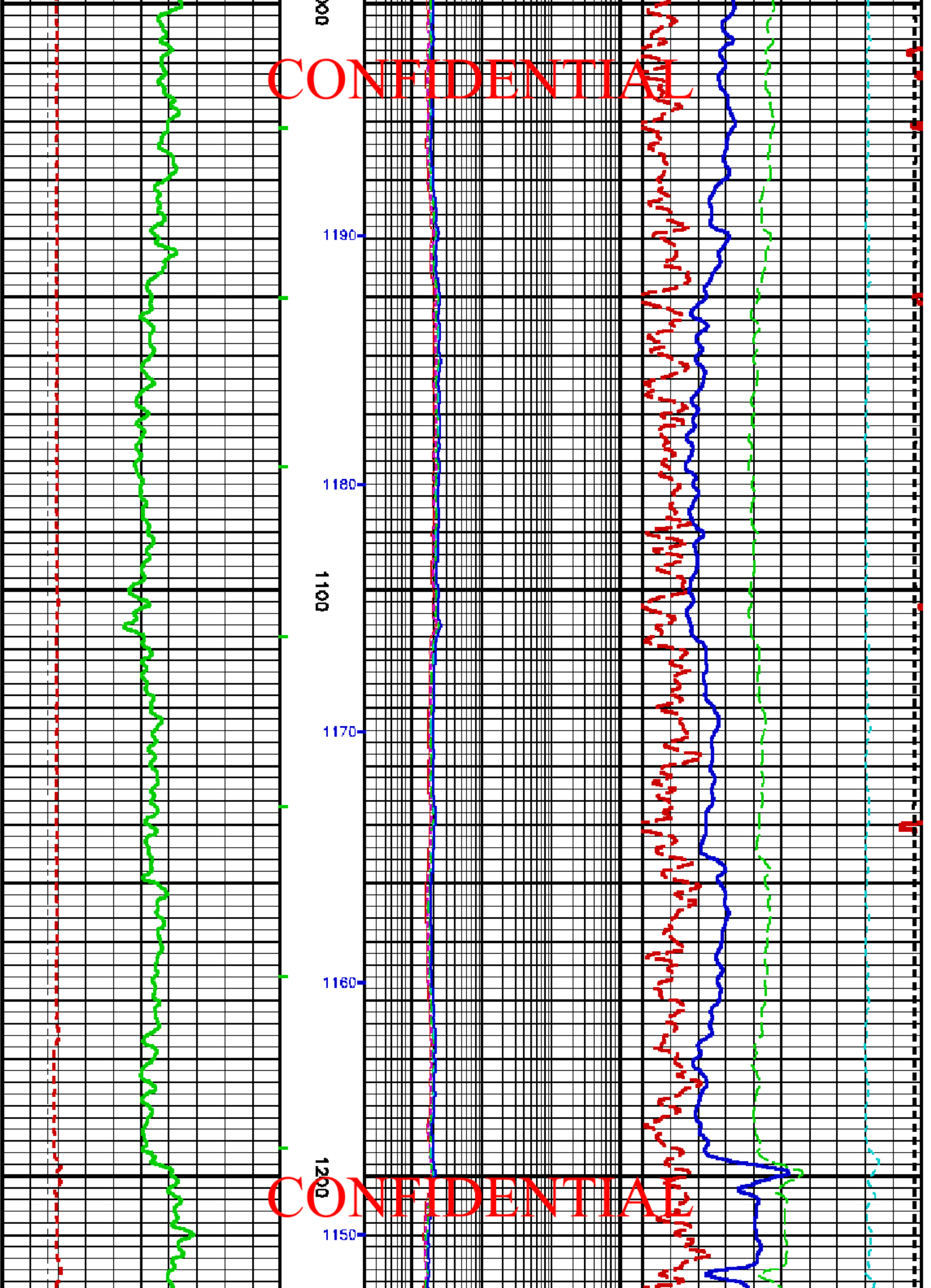
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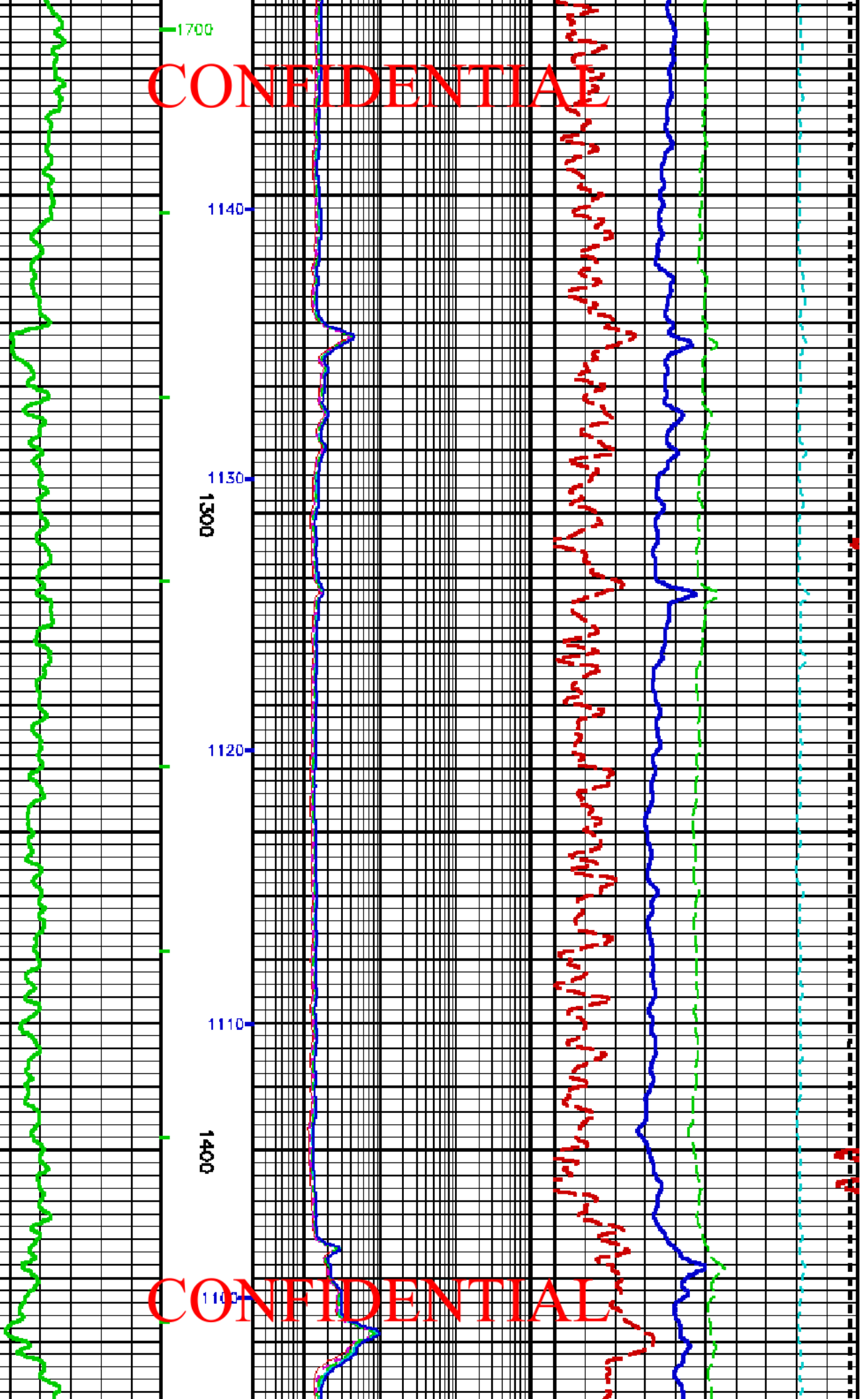
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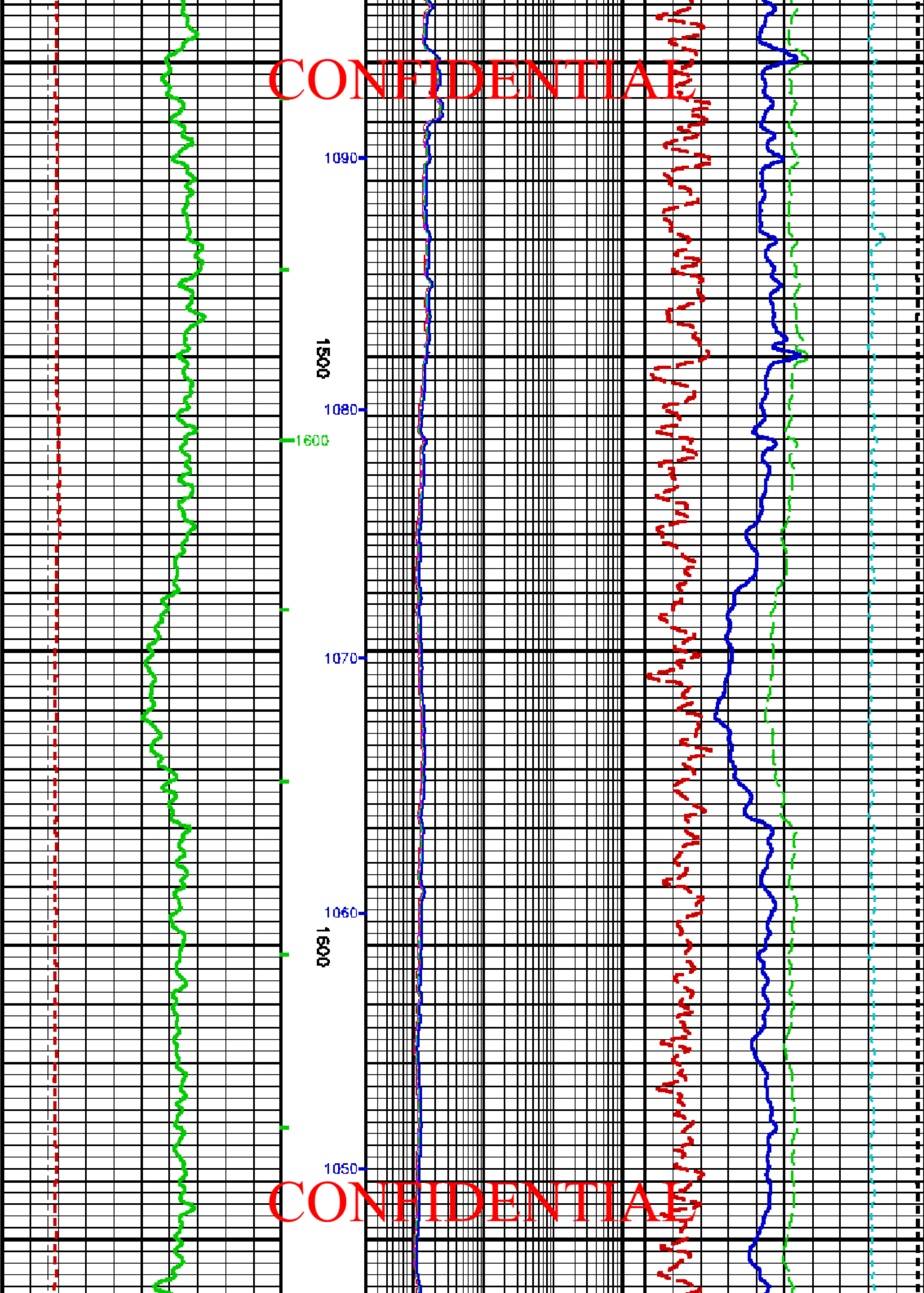
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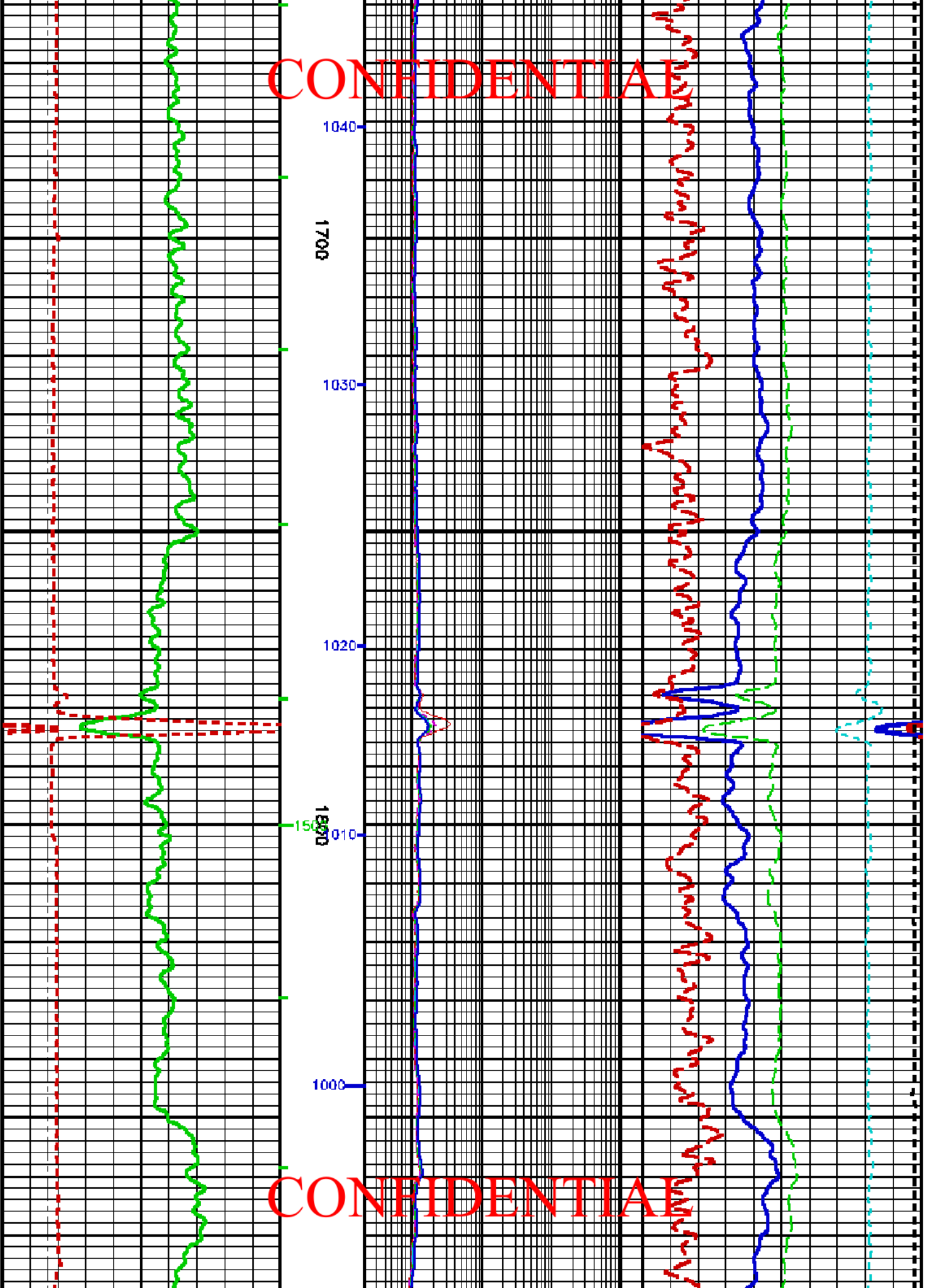


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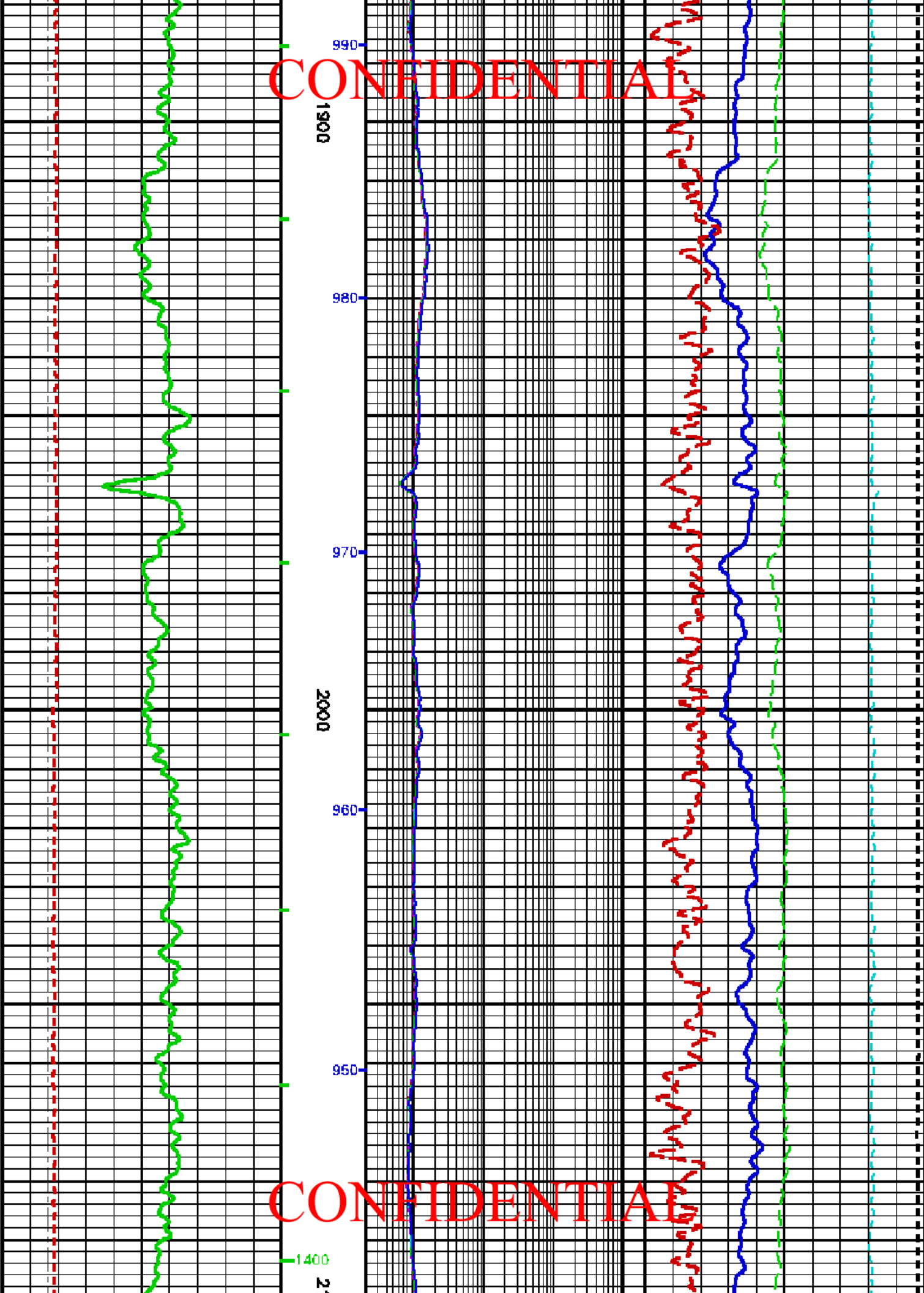
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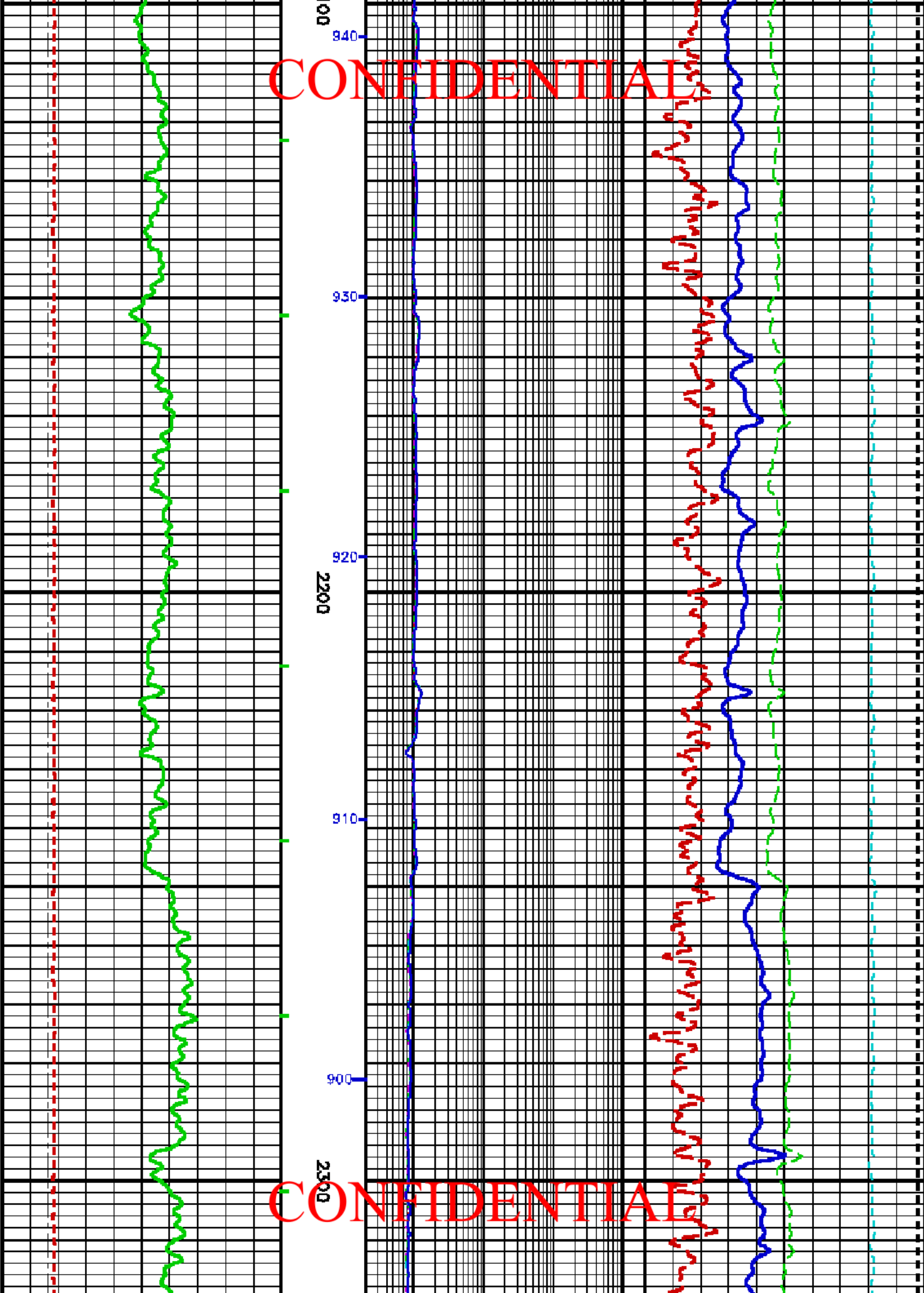
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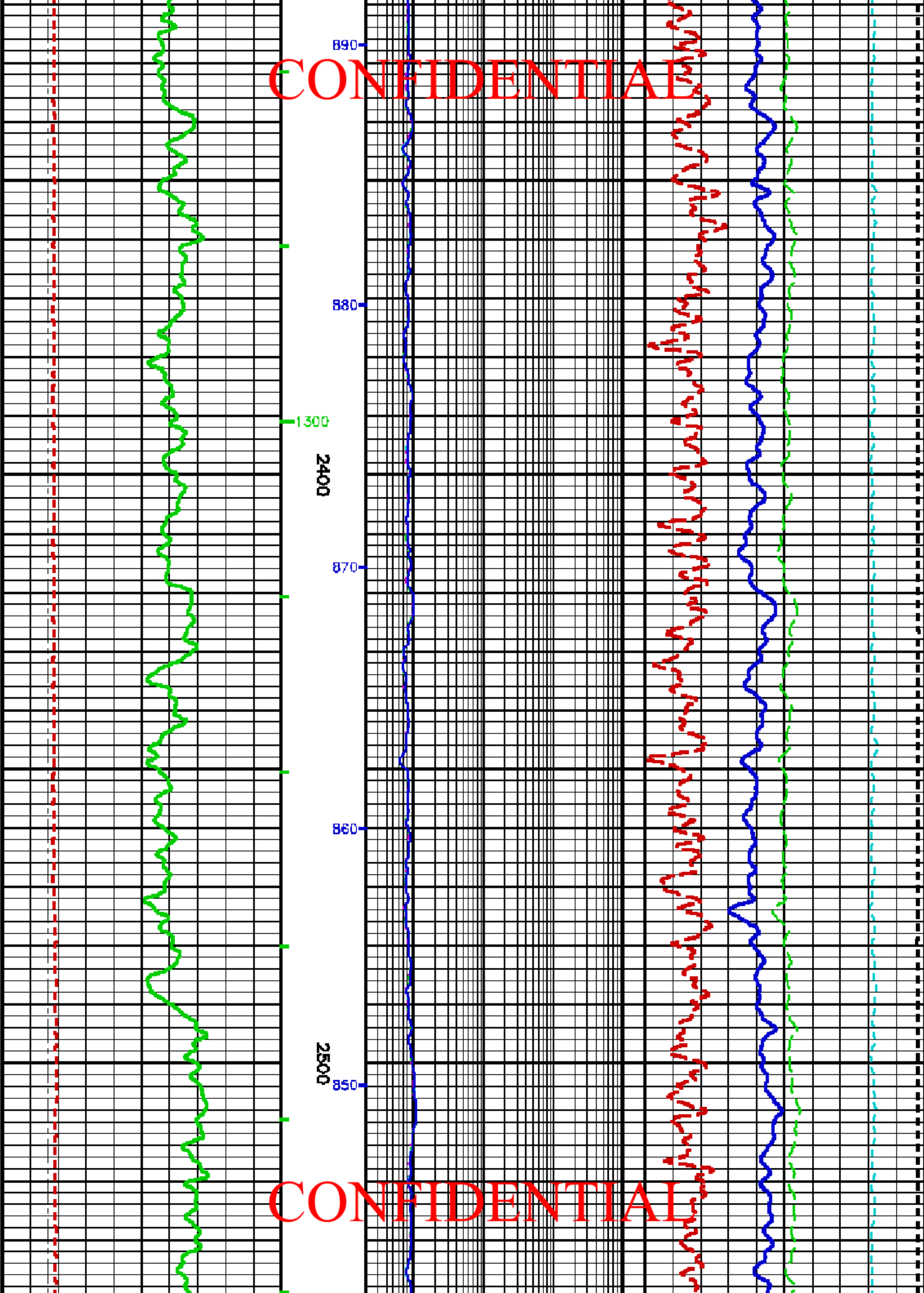
CONFIDENTIAL

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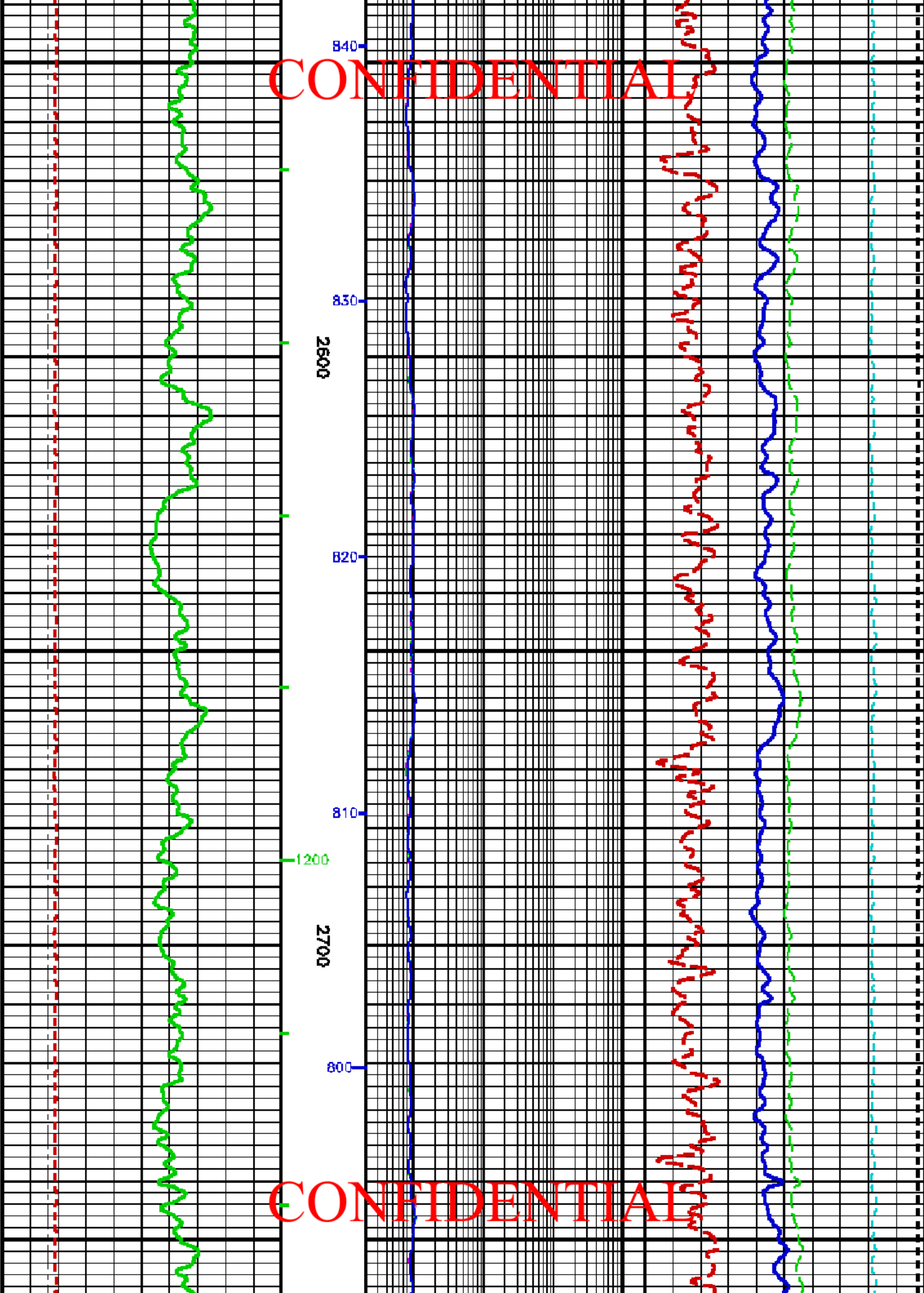
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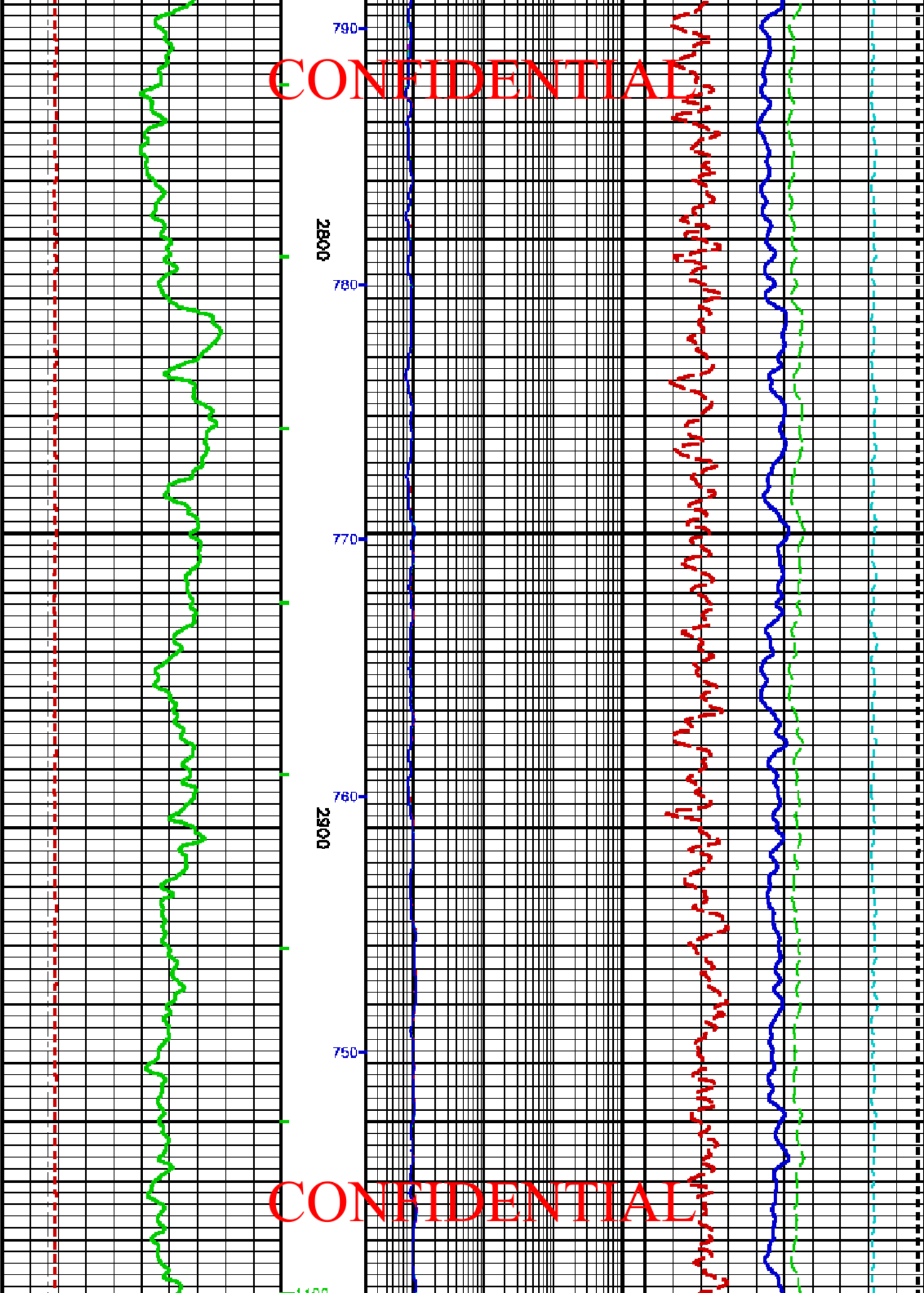
CONFIDENTIAL

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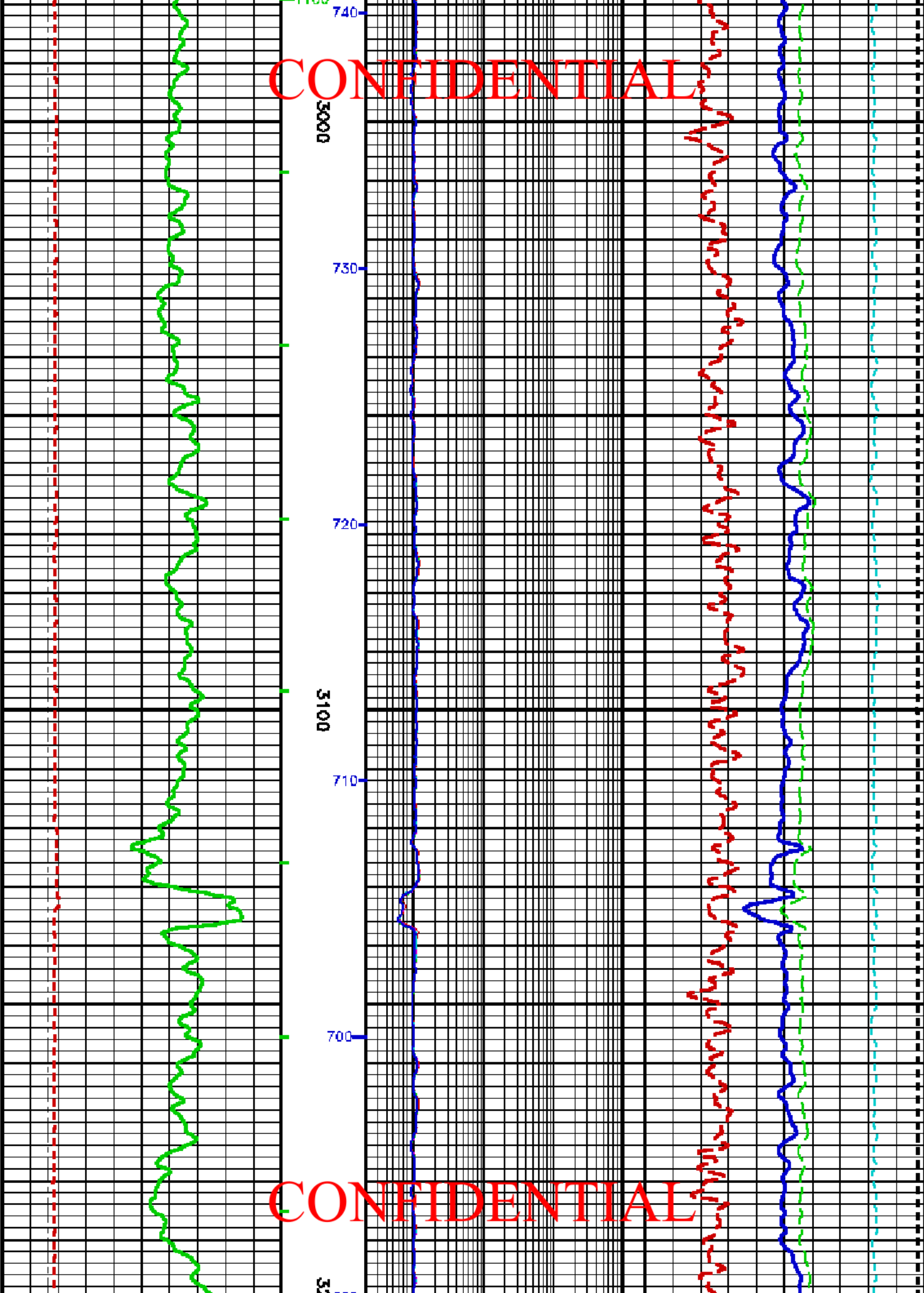
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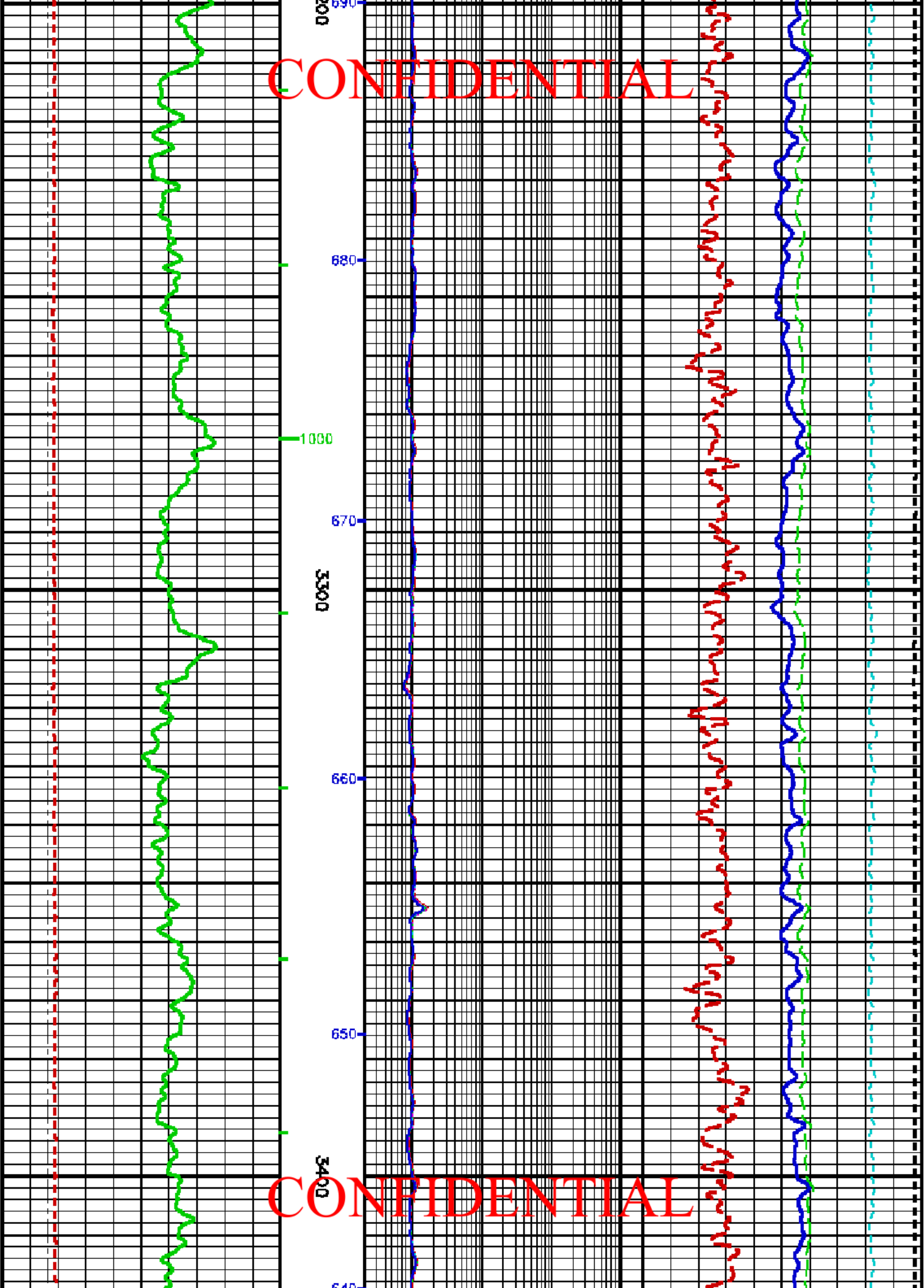
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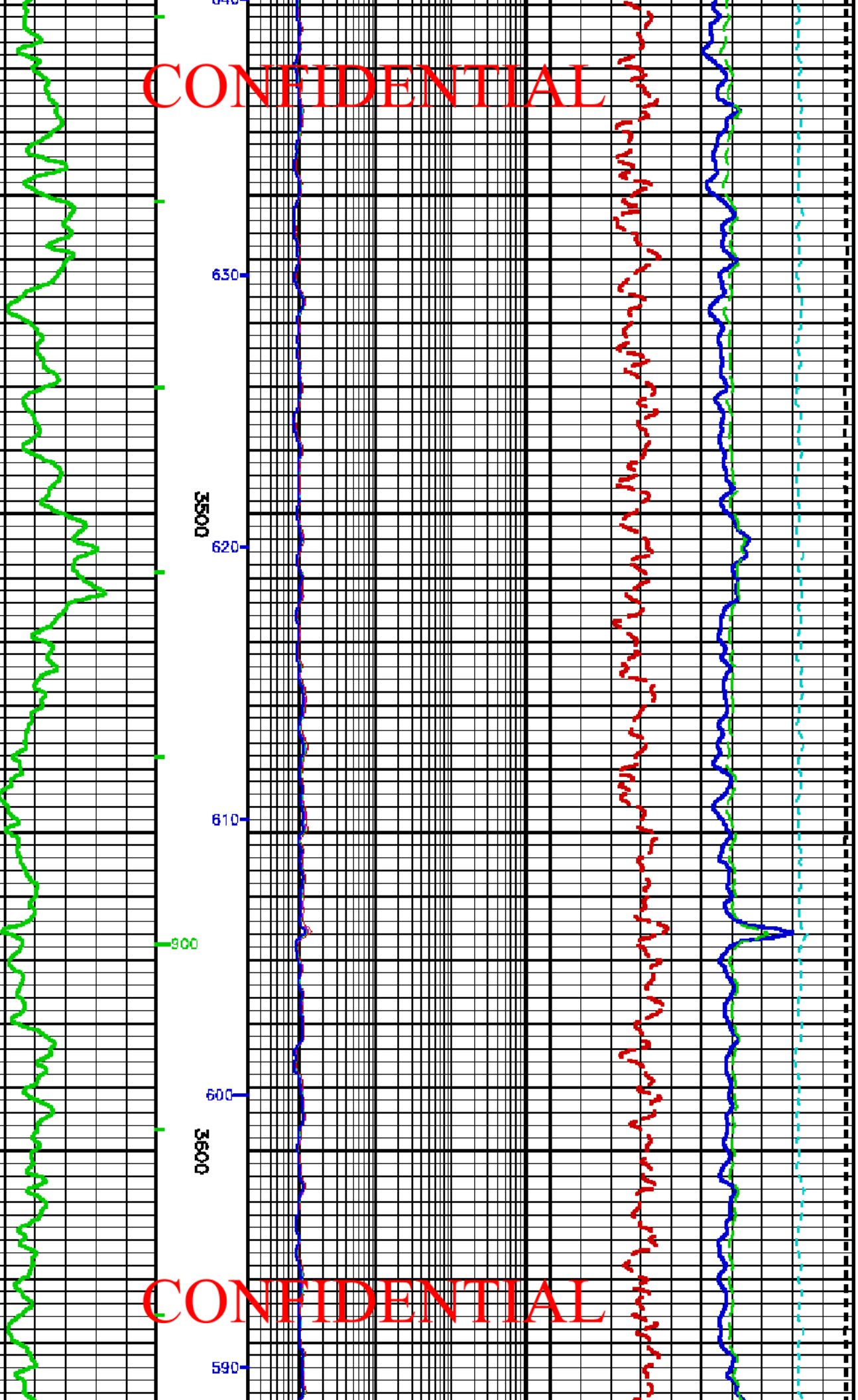


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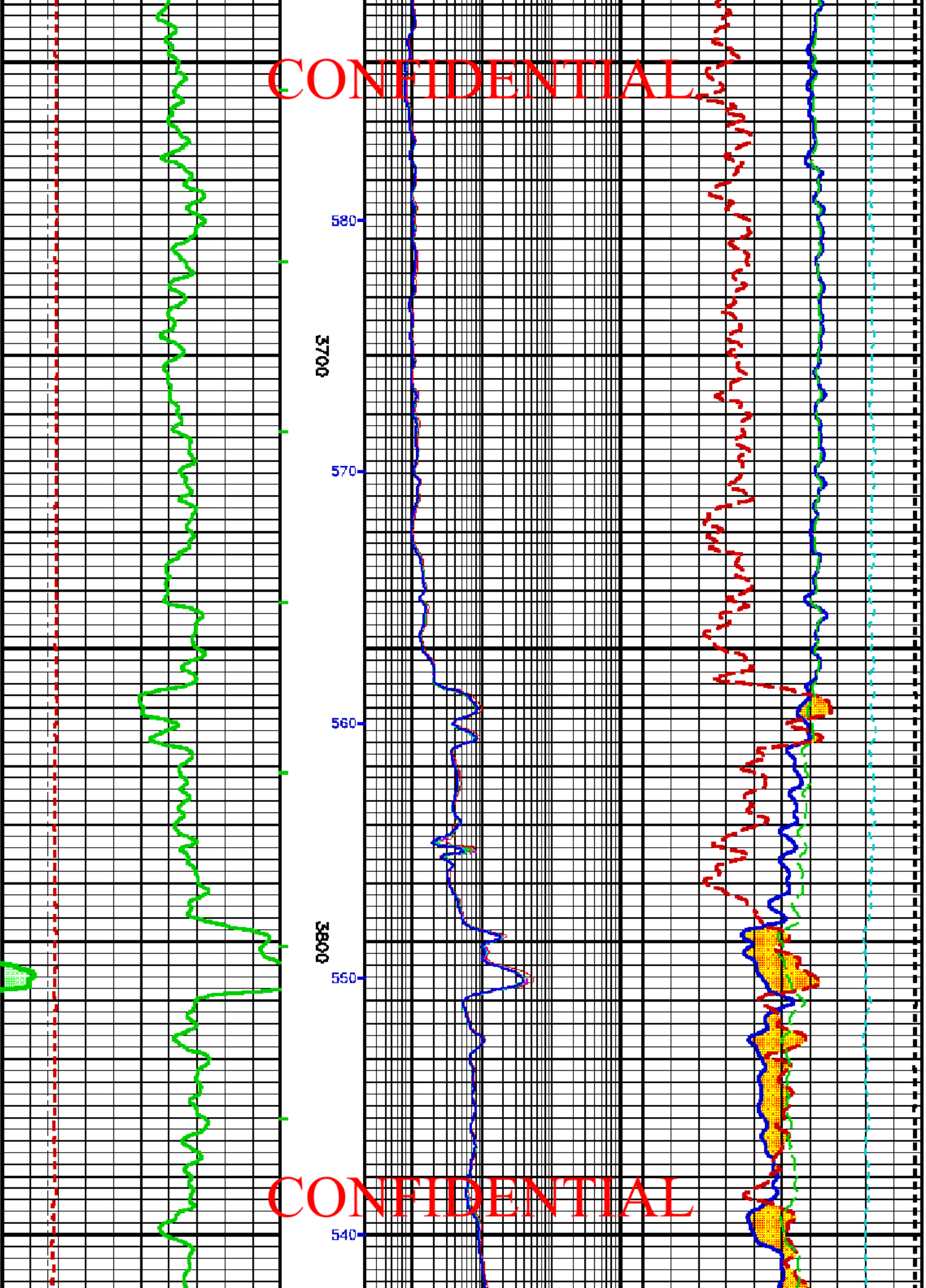


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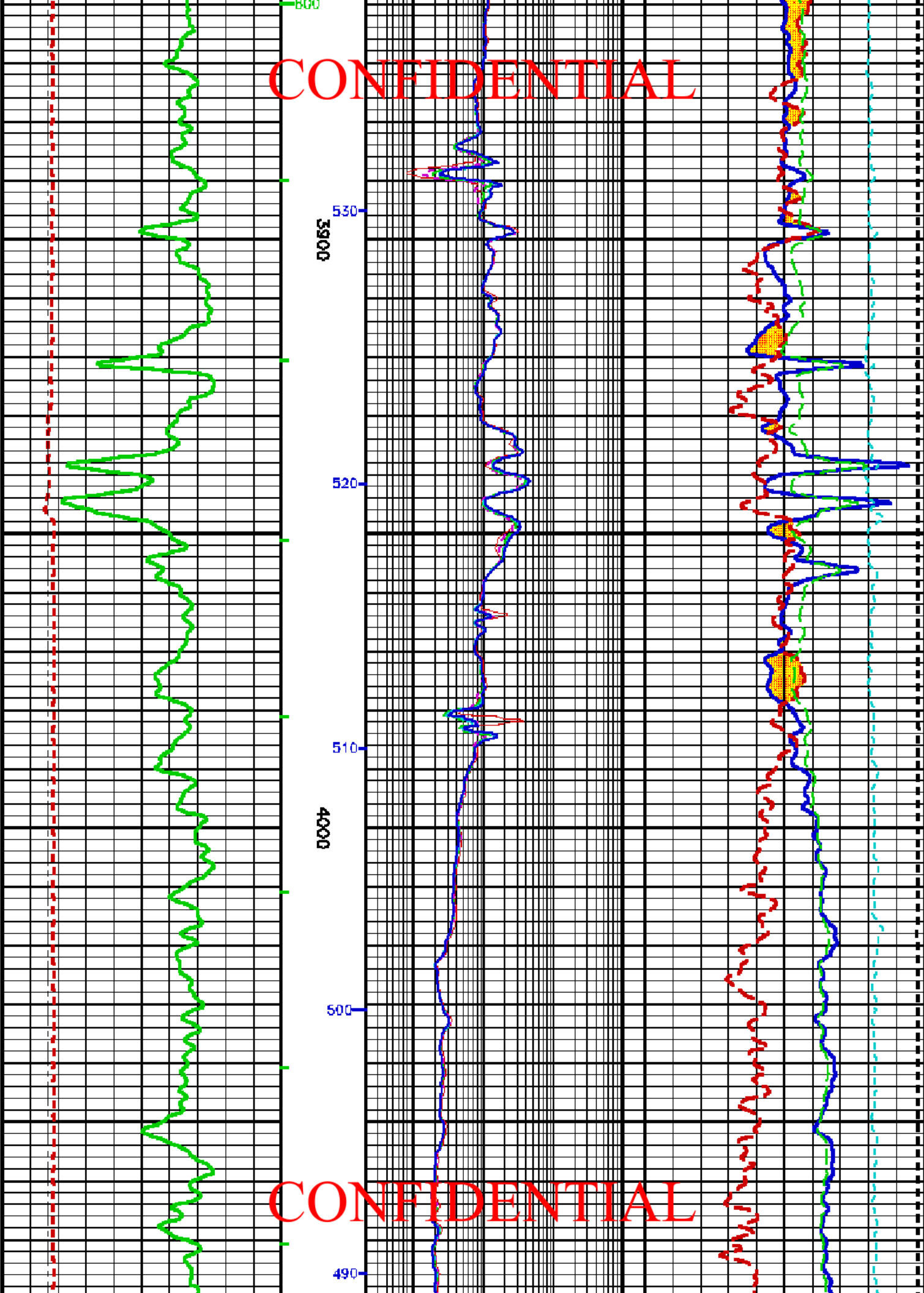
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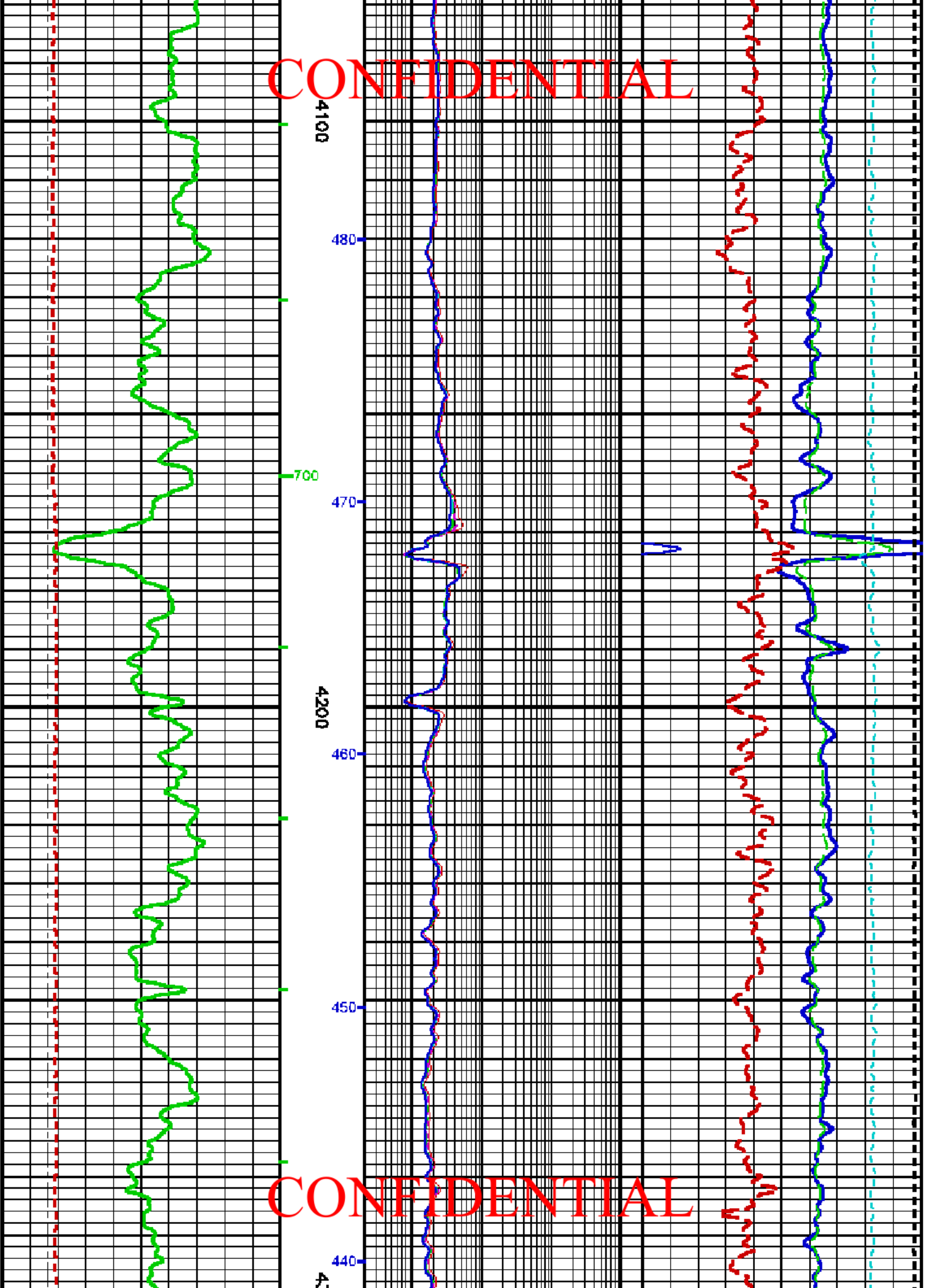
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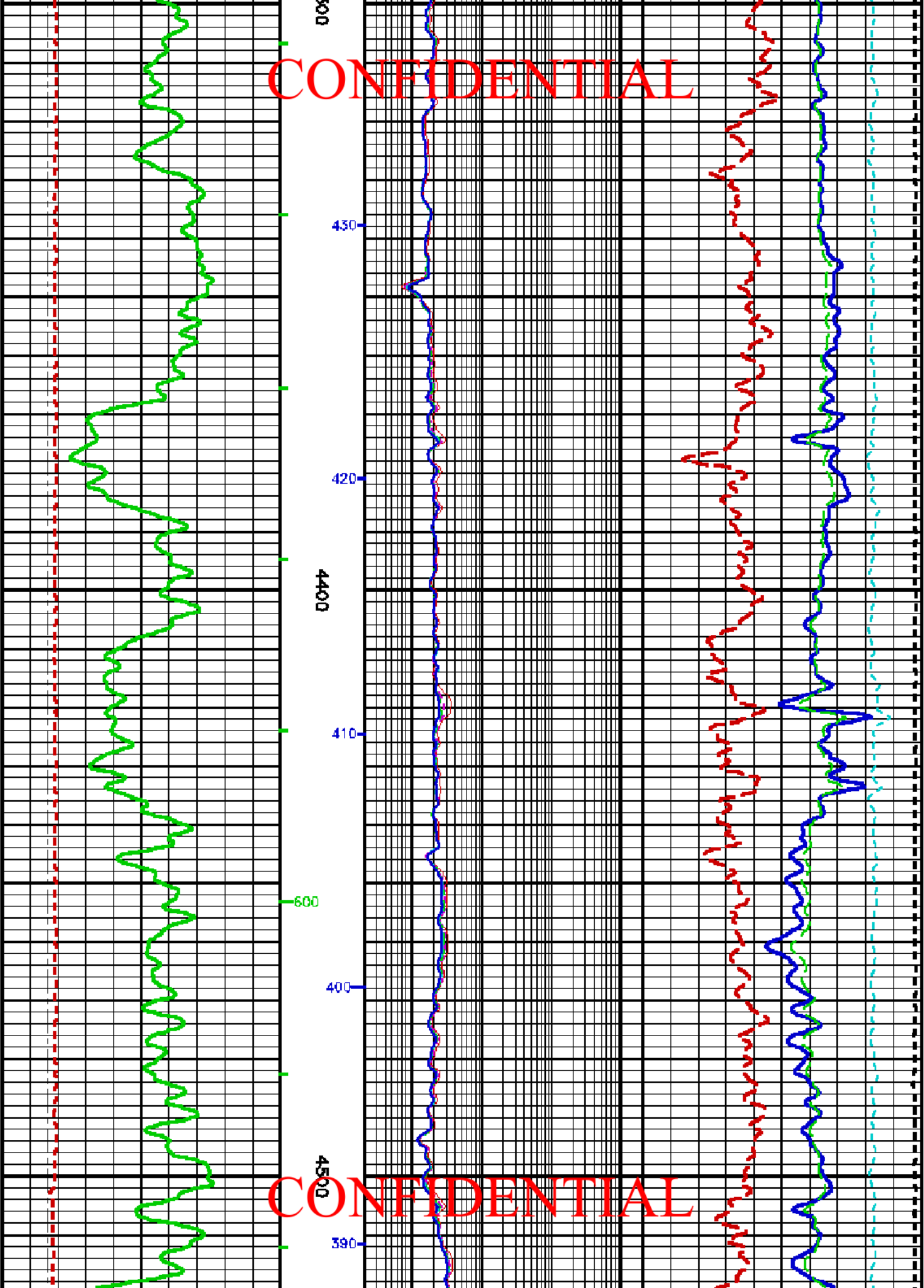
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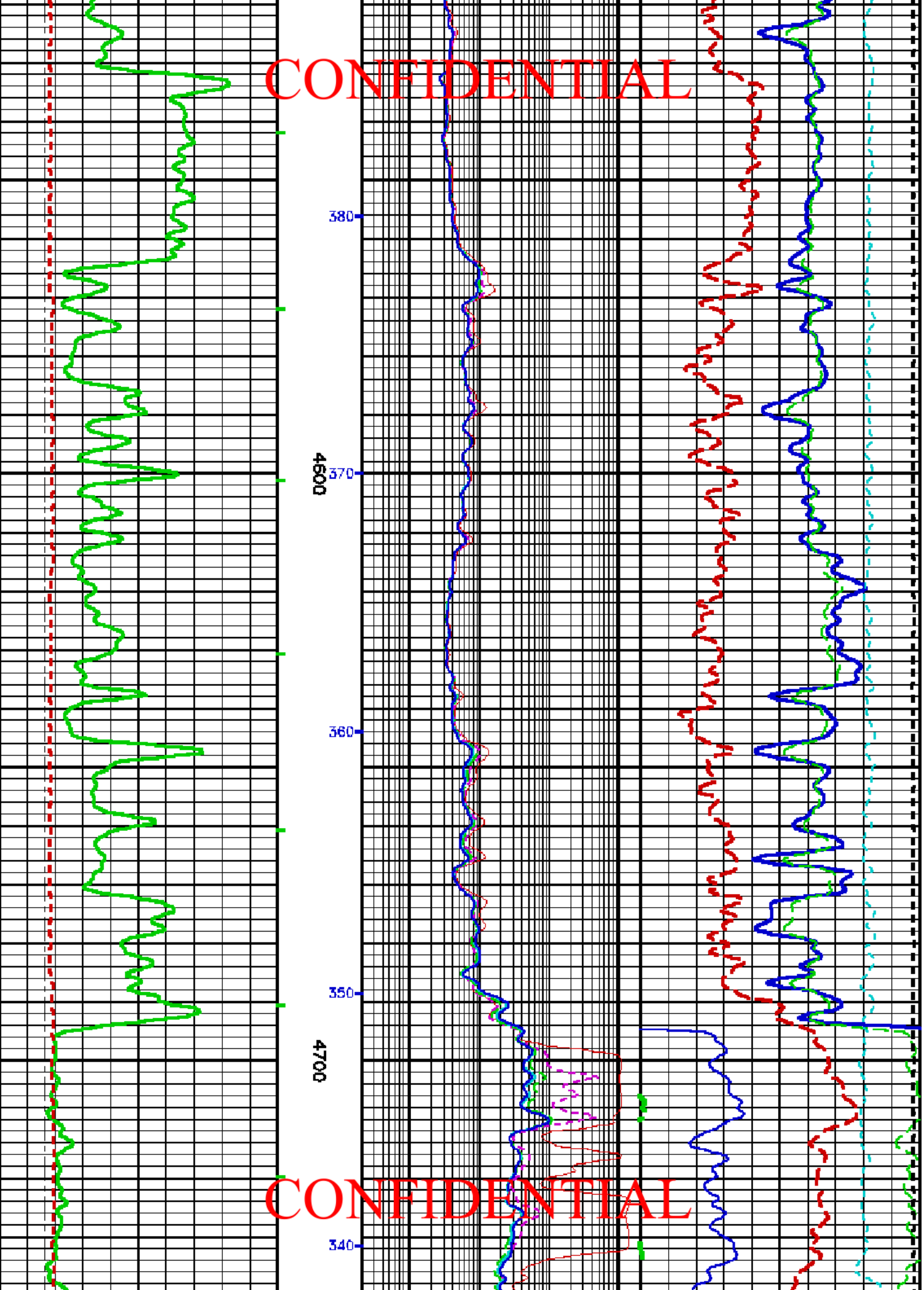
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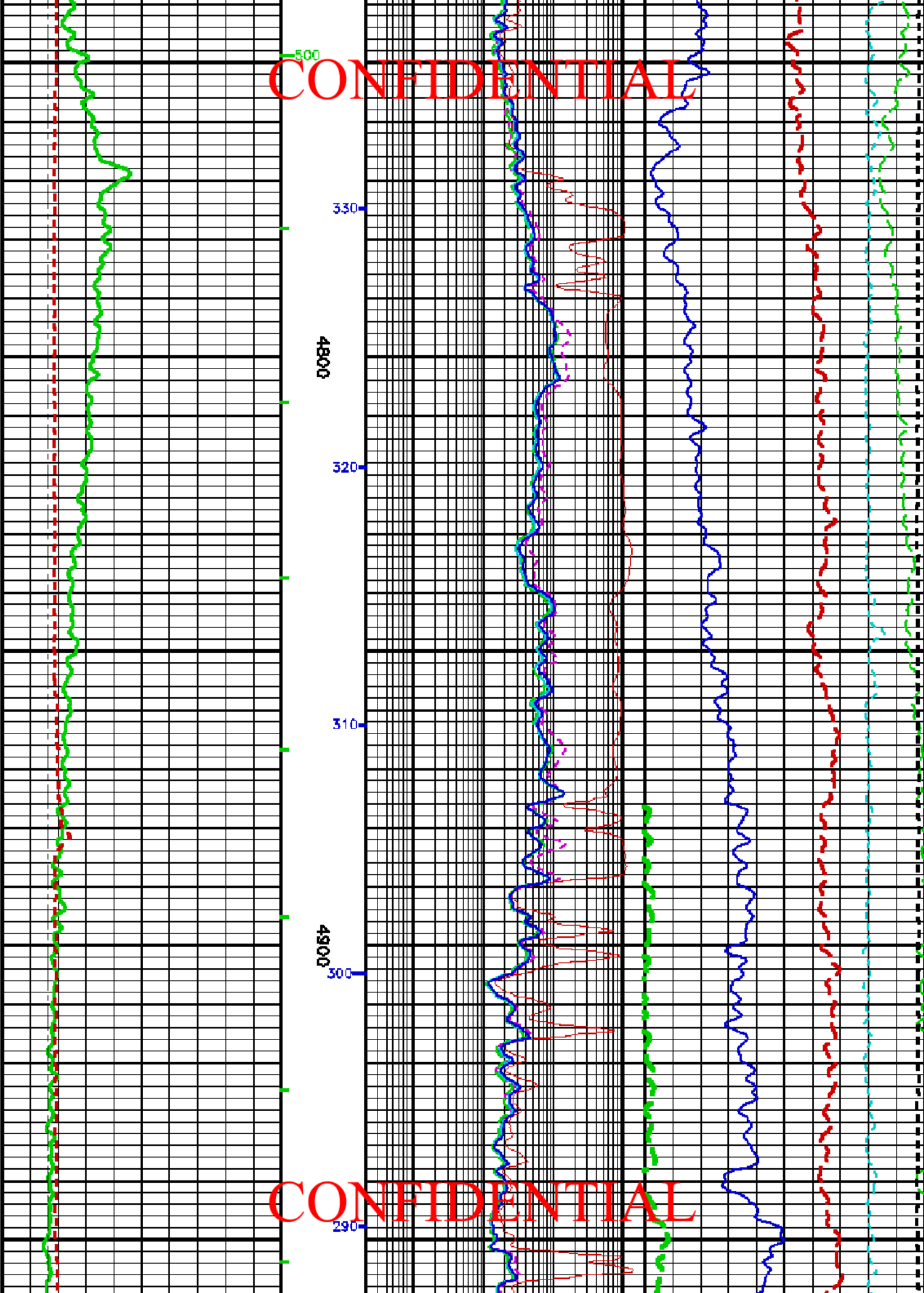
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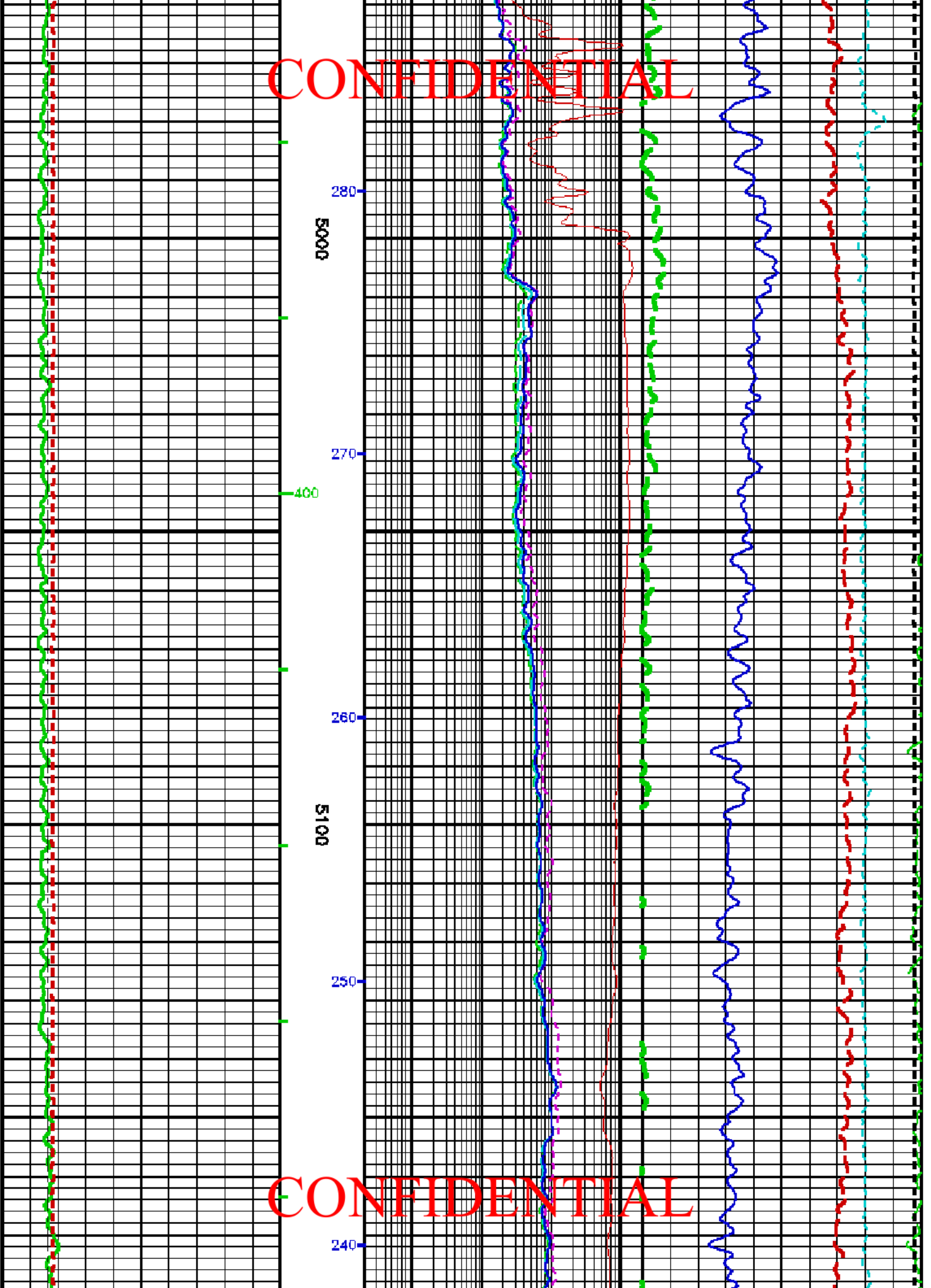
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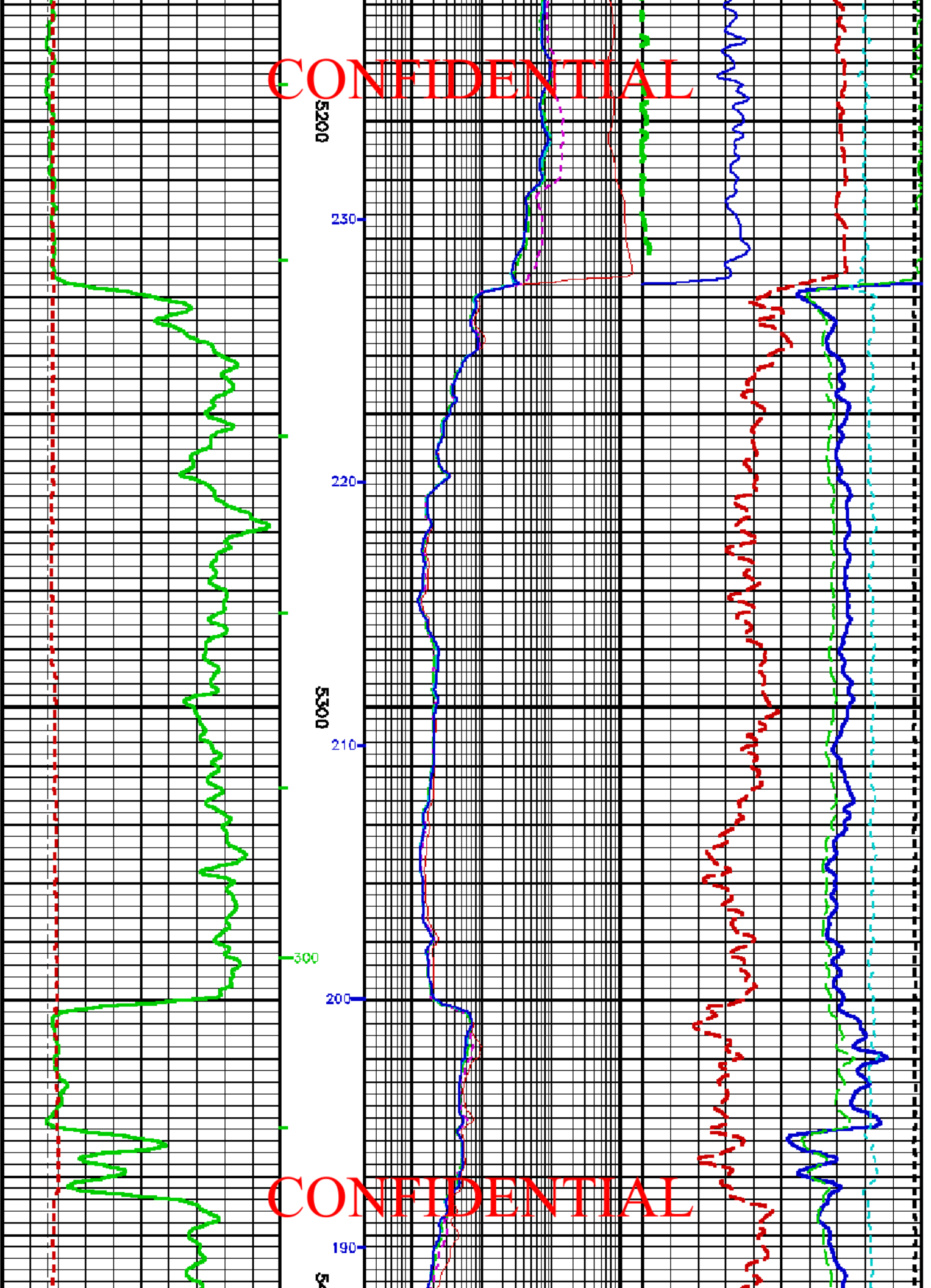


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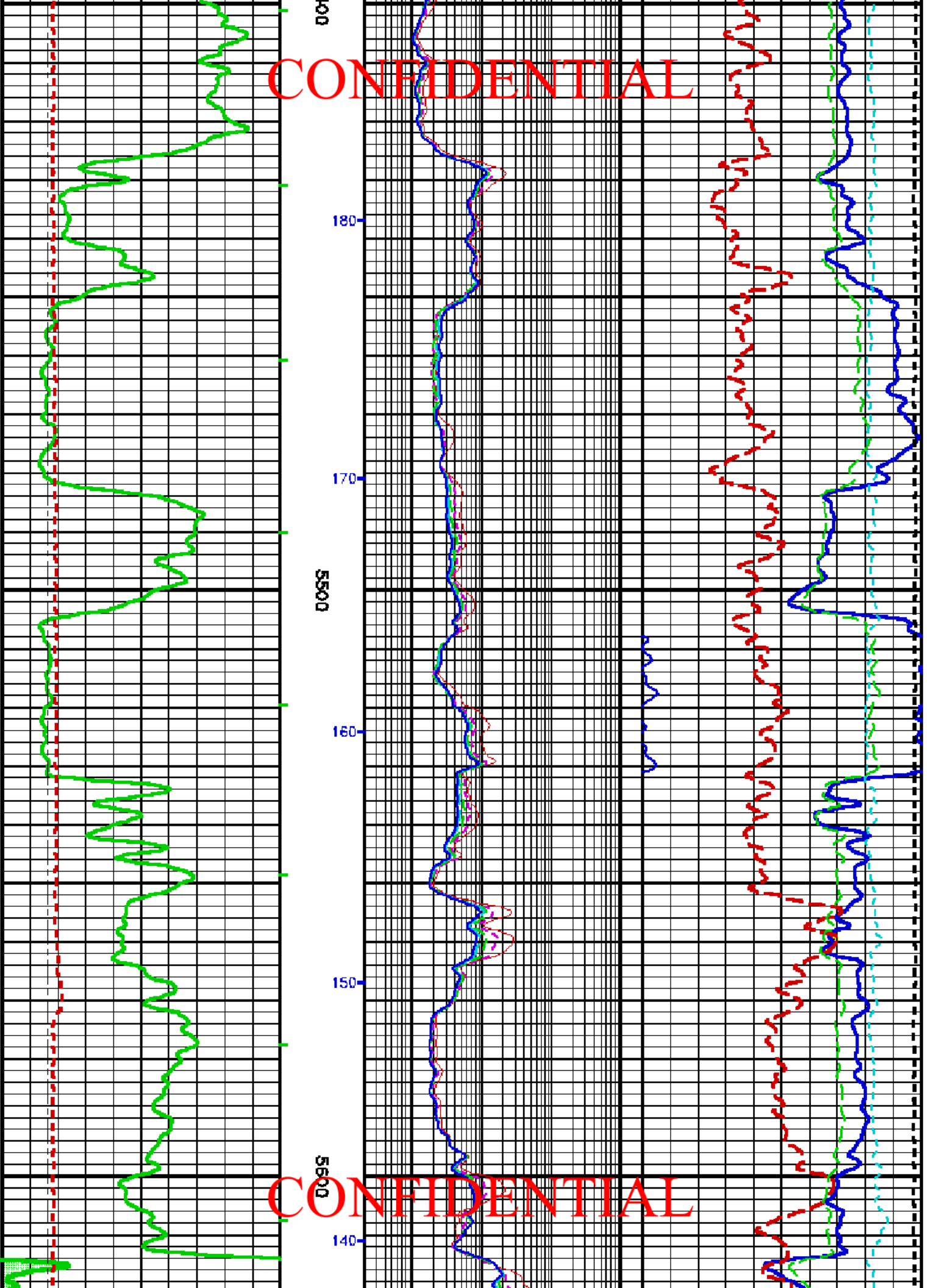
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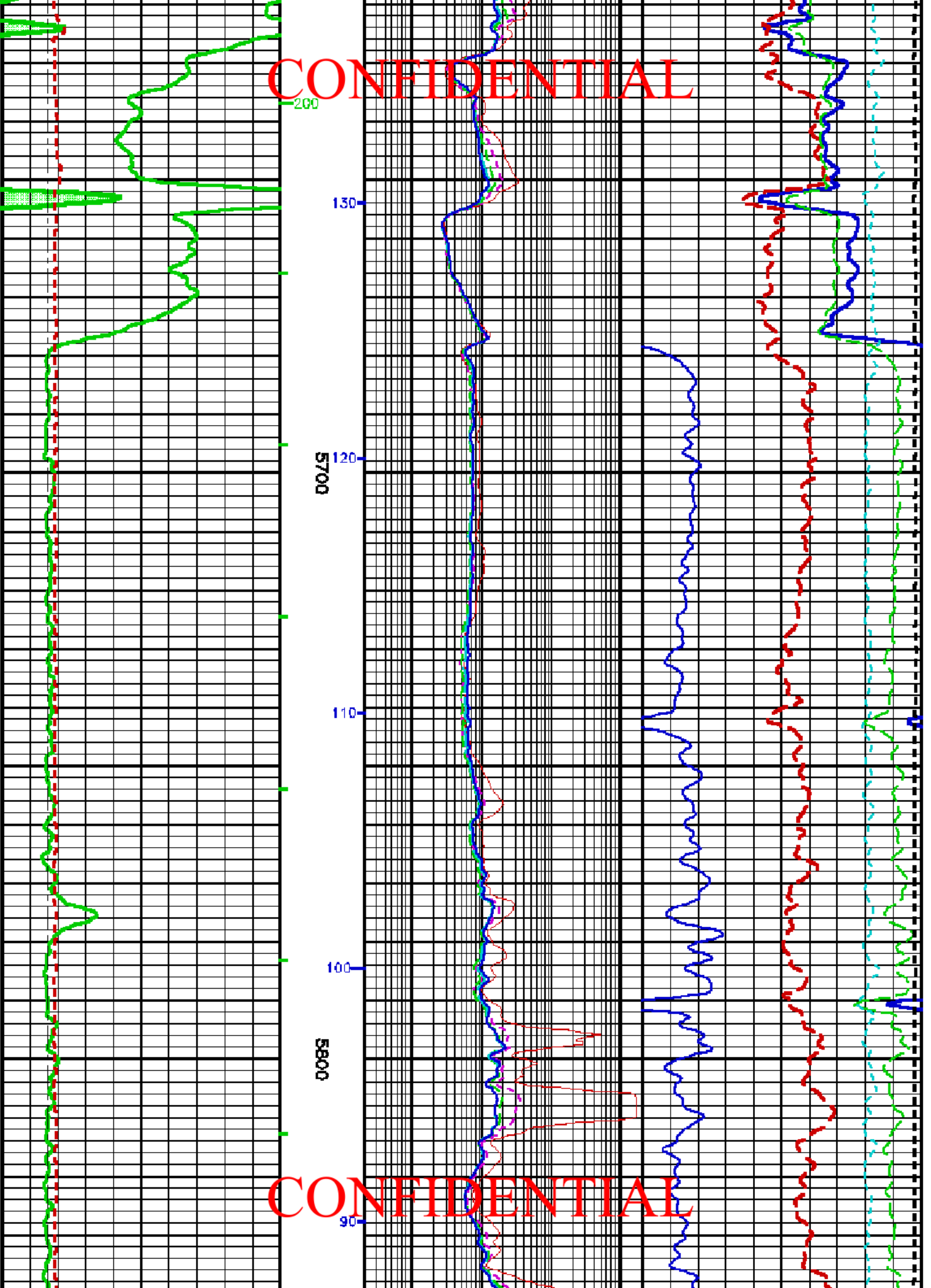
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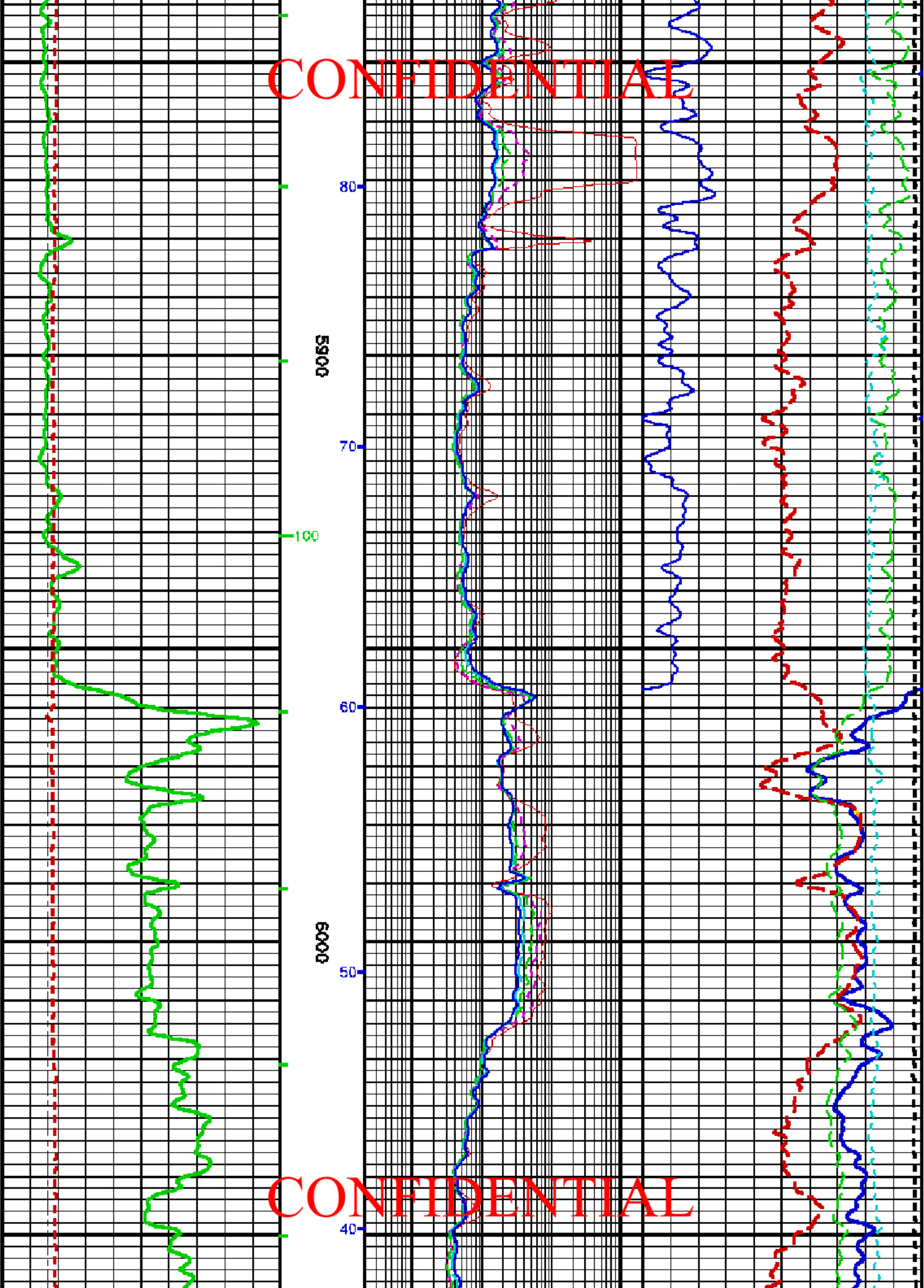


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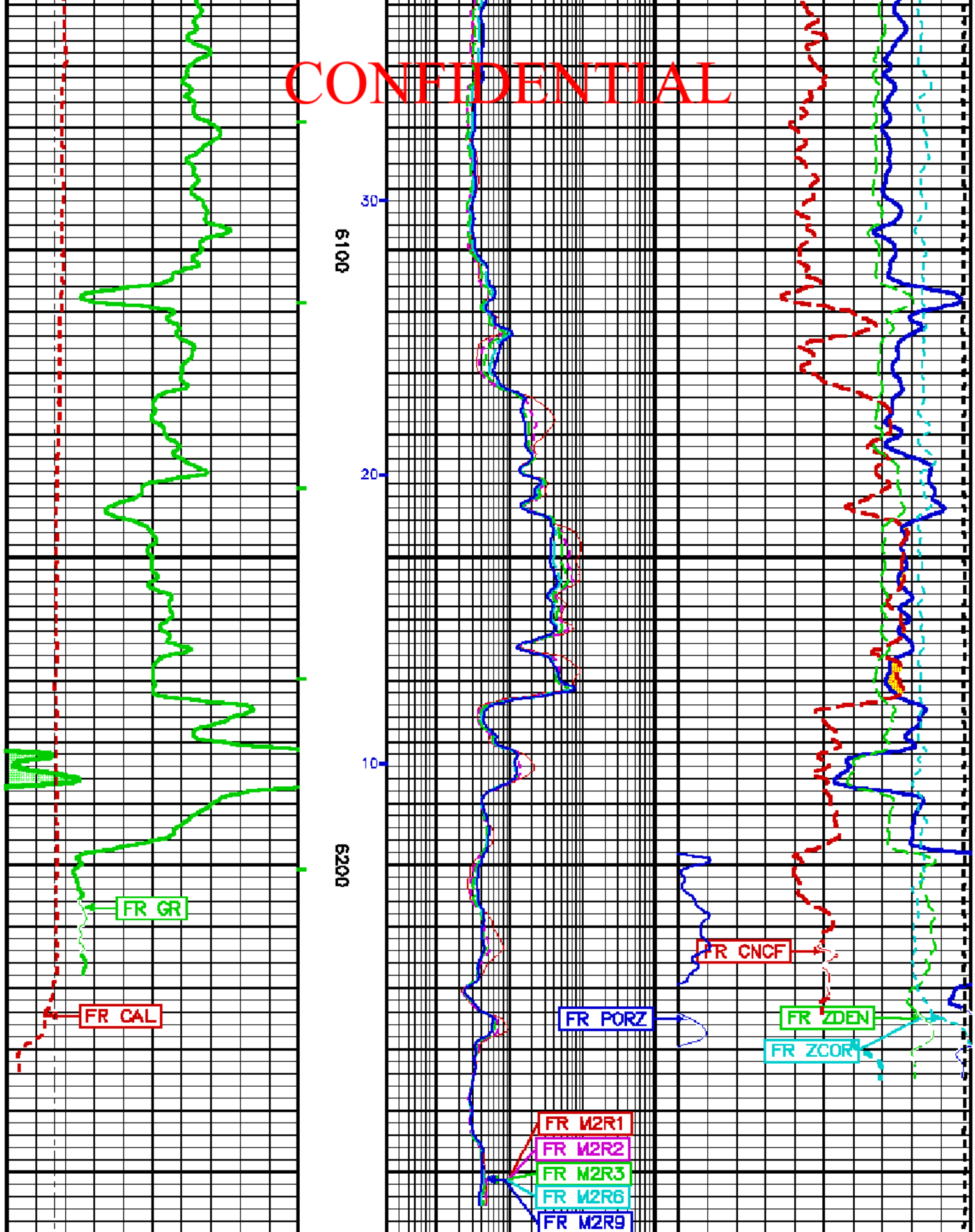
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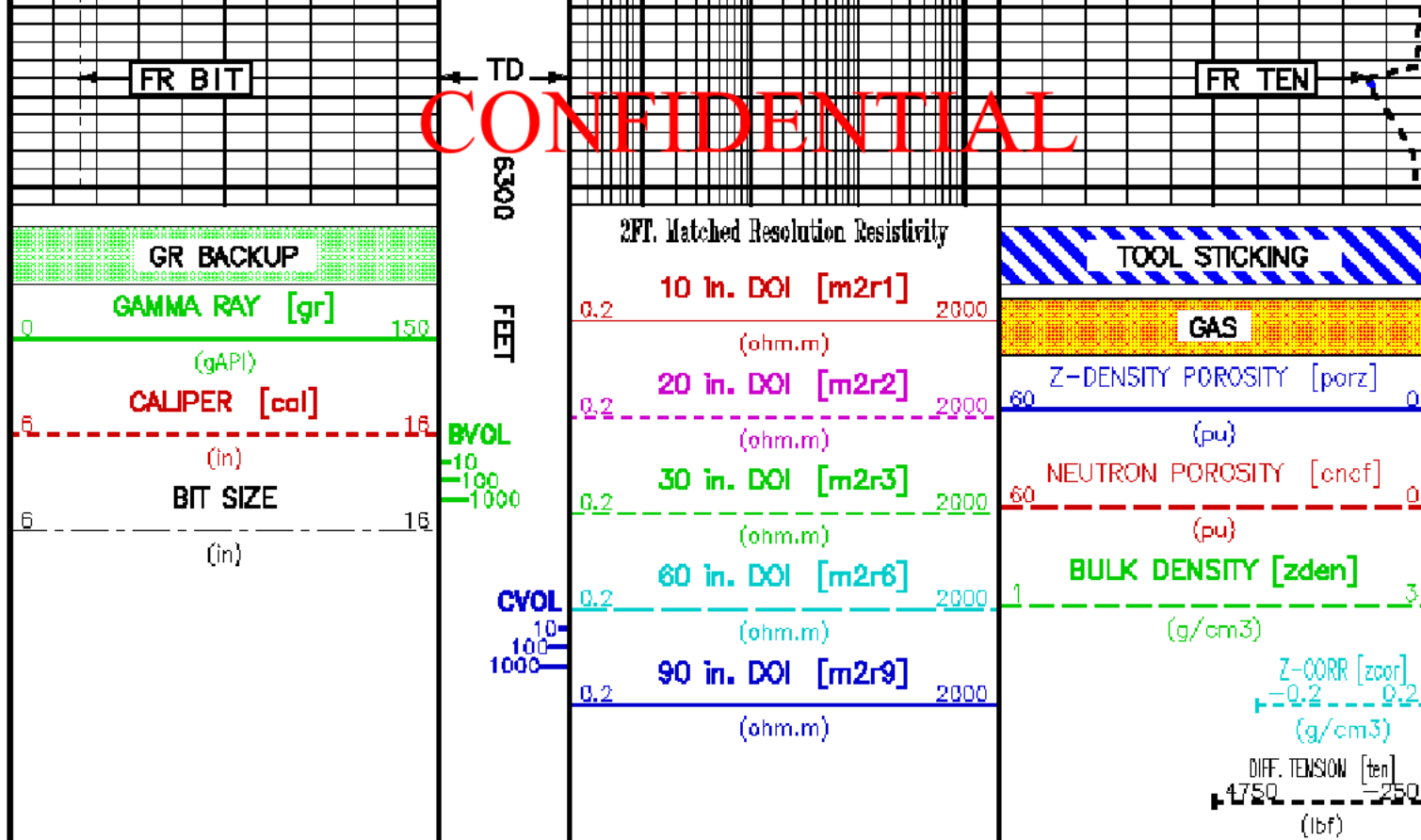
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REPEAT LOG

ECLIPS 6.11 Aug 06, 2010

Wed Nov 3 22:31:25 2010

Perfit /main/62

Cplot

Pdf\_Cpp /main/16

Fileview 5.50

PARAMETER AND FILTER SUMMARY REPORT

File: /dat1a/987142/m77cv\_DAL05.prm  
 Logging Mode: DEPTH      Direction: UP  
 Top Depth: 5907.750 ft      Bottom Depth: 6292.500 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
Y AXIS CALIPER	FILTER ( )	medium (1)		TOP      BOTTOM
TENSION	FILTER ( )	medium (1)		"      "
GR	FILTER ( )	medium (1)		"      "
CN	FILTER ( )	medium (1)		"      "
CALIPER	FILTER ( )	medium (1)		"      "
	FILTER (.h)	medium (1)		"      "
	FILTER (.l)	medium (1)		"      "
ZDL MED RES	FILTER (hrd1*)	medium		"      "
	FILTER (hrd1a*)	medium		"      "
	FILTER (hrd1b*)	medium		"      "
	FILTER (hrd2*)	medium		"      "

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BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	4.500	in	TOP      BOTTOM

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BIT SIZE	BIT SIZE	0.000	1m	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (msh*)	USE CALIPER		''	''
BOREHOLE CORR DIAMETER	CALIPER/FIXED DIA. (msh*)	USE CALIPER		''	''
	FIXED DIAMETER (msh*)	7.625	1m	''	''
	FIXED DIAMETER (msh*)	7.625	1m	''	''
BH MUD RESISTIVITY SOURCE	RMD SOURCE (HDIL)	OIL BASE MUD		''	''

**CN PROCESSING**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
2448 CN MATRIX	2448 MATRIX	SANDSTONE		TCP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	''	''
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		''	''
	BIT SIZE BEHIND CSMB	7.675	1m	''	''

**ZDL PROCESSING**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DENSITY POROSITY	RHOmatrix	2.650	g/cm3	TCP	BOTTOM
	RHOfluid	0.900	g/cm3	''	''
ZDL	DEIX TRACKING	ON		''	''

**HDIL PROCESSING**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TCP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		''	''
	ABC to CALCULATE	STANDOFF		''	''
	STANDOFF	0.70	1m	''	''
	TOOL POSITION	ECCENTERED		''	''
	Rmsd MULTIPLIER	1.000		''	''

**CURVE DESCRIPTION REPORT**

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Nov 3 22:14:18 2010	BIT SIZE
F1:BVOL	Nov 3 22:14:18 2010	BOREHOLE VOLUME
F1:CAL	Nov 3 22:14:18 2010	CALIPER
F1:CMCF	Nov 3 22:14:18 2010	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Nov 3 22:14:18 2010	CEMENT VOLUME
F1:GR	Nov 3 22:14:18 2010	GAMMA RAY
F1:M2R1	Nov 3 22:14:18 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Nov 3 22:14:18 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Nov 3 22:14:18 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Nov 3 22:14:18 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Nov 3 22:14:18 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PORZ	Nov 3 22:14:18 2010	POROSITY FOR SELECTABLE MATRIX
F1:TEN	Nov 3 22:14:18 2010	DIFFERENTIAL TENSION
F1:ZCOR	Nov 3 22:14:18 2010	DENSITY CORRECTION
F1:ZDEN	Nov 3 22:14:18 2010	FORMATION BULK DENSITY

**CURVE MEASURE POINT OFFSET**

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M2R1	36.75	M2R9	36.75	ZDEN	83.00
CAL	83.50	M2R2	36.75	PORZ	83.00		
CMCF	74.00	M2R3	36.75	TEN	0.00		
GR	81.00	M2R6	36.75	ZCOR	83.00		

Presentation : rta6728/dst1a/587142/SLAM\_RPT.pdf [5"/100' Scale]  
 Plot Interval : 5825 - 6292.5 Feet

Data File 1 : F1 : rta6728/dst1a/587142/m77eq\_DALD3.off  
 Created On : Nov 3 22:14:18 2010  
 Company : BRIDGE ENERGY, INC.  
 Well : OJS PROPERTIES 1-15  
 Field : WILDCAT  
 File Interval : 5813.25 - 6292.5 Feet  
 Del : m77eq\_DA

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GR BACKUP

GAMMA RAY [gr]

0 150

(gAPI)

CALIPER [cal]

6 16

(in)

BIT SIZE

6 16

(in)

FEET

BYOL  
-10  
100  
1000

CVOL

10  
100  
1000

10 in. DOI [m2r1]

0.2 2000

(ohm.m)

20 in. DOI [m2r2]

0.2 2000

(ohm.m)

30 in. DOI [m2r3]

0.2 2000

(ohm.m)

60 in. DOI [m2r6]

0.2 2000

(ohm.m)

90 in. DOI [m2r9]

0.2 2000

(ohm.m)

TOOL STICKING

GAS

Z-DENSITY POROSITY [porz]

60 0

(pu)

NEUTRON POROSITY [cnrf]

60 0

(pu)

BULK DENSITY [zden]

1 3

(g/cm3)

Z-CORR [zcor]

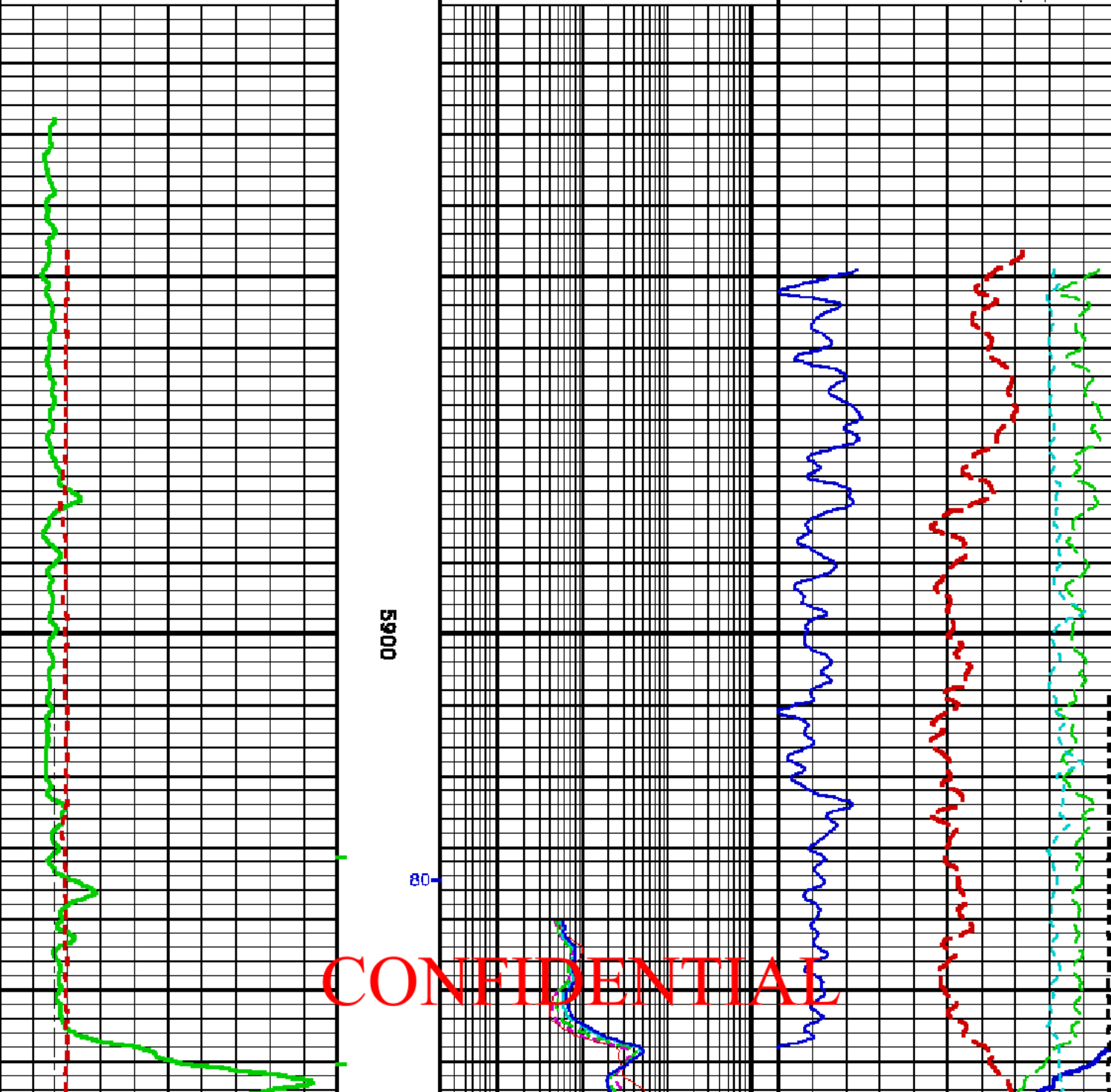
-0.2 0.2

(g/cm3)

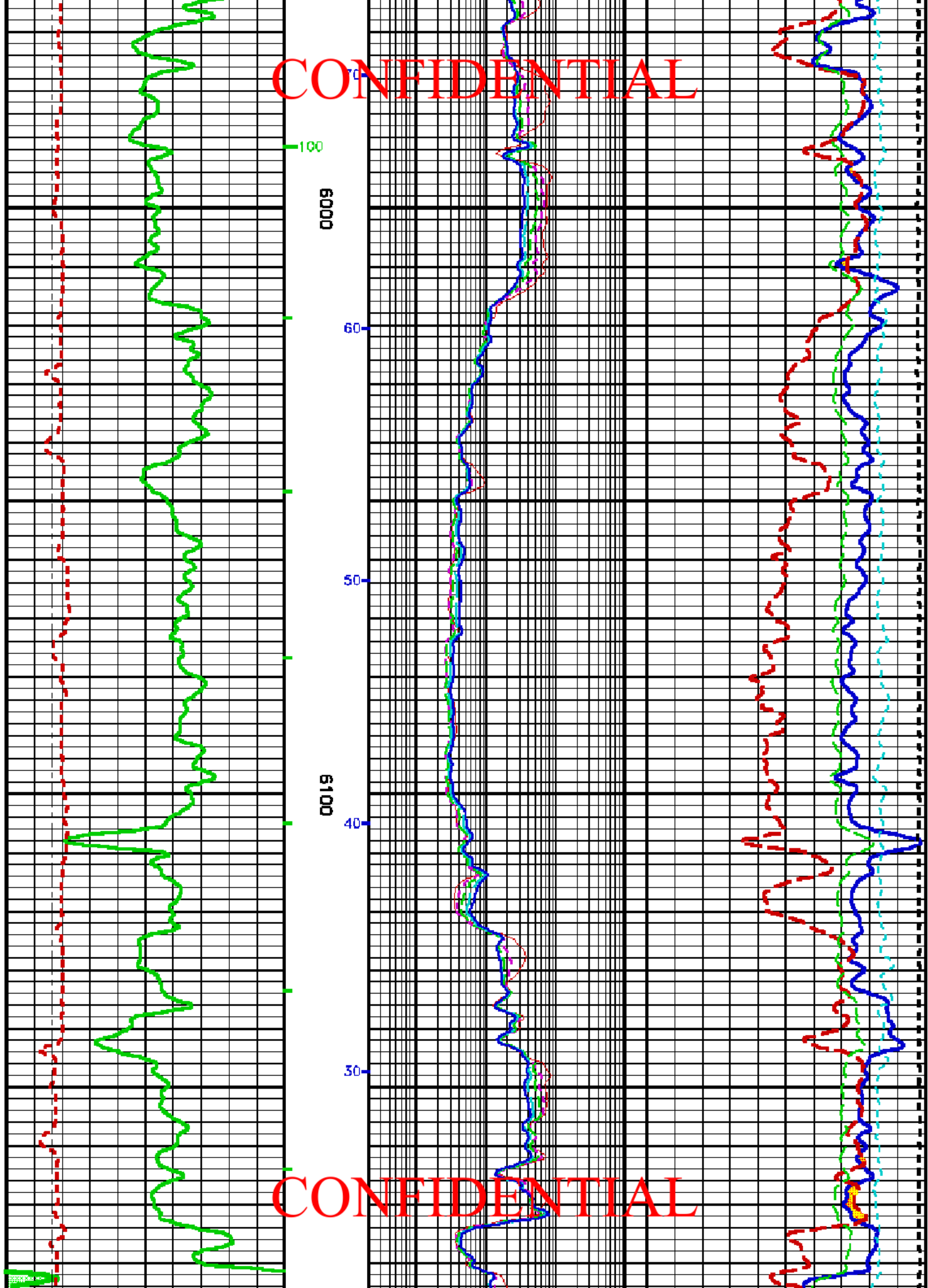
DIFF. TENSION [ten]

4750 250

(lbf)

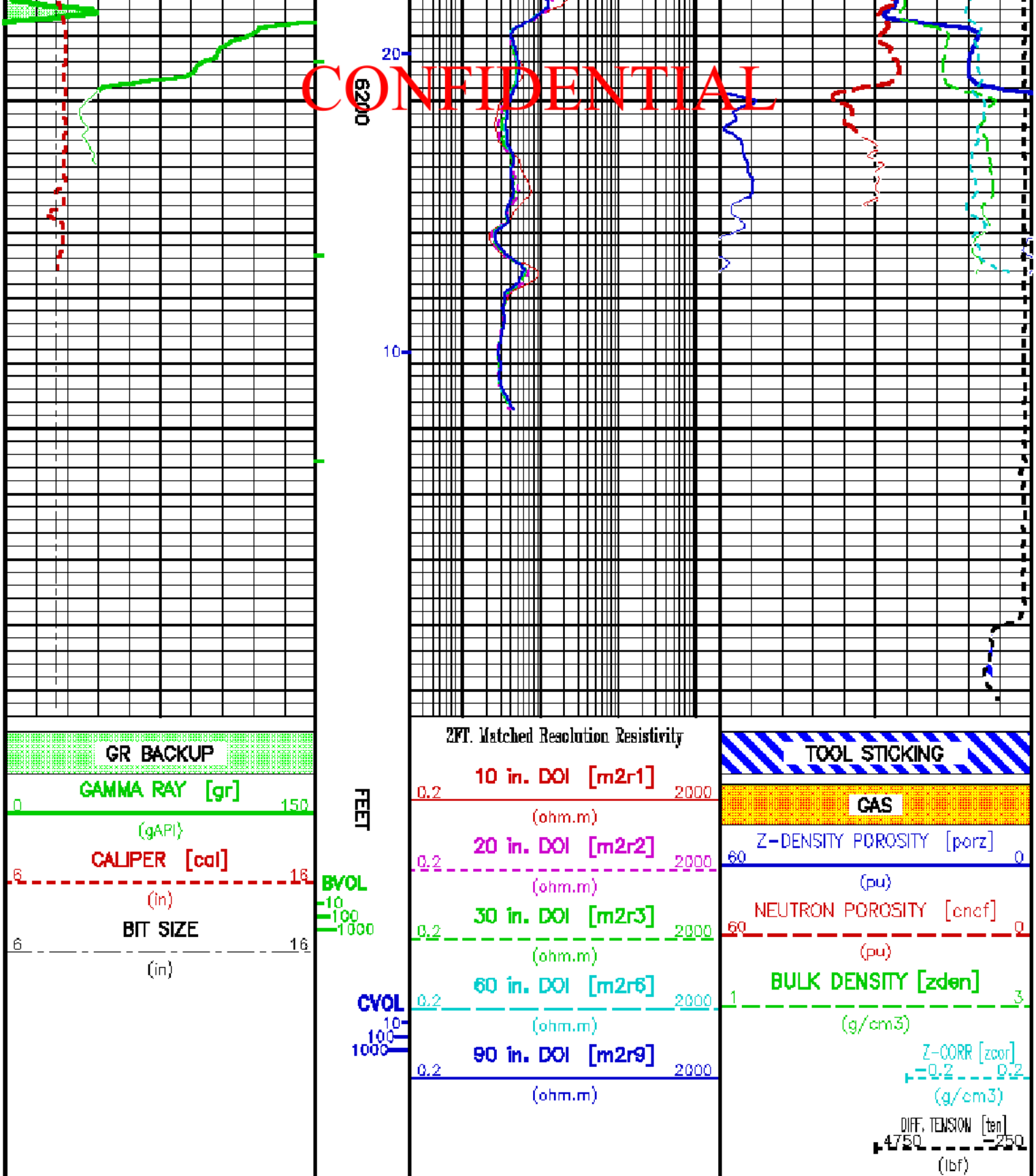


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REPEAT LOG NUMBER 2  
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## PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/587142/m77ex\_DAL06.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 888.750 ft BOTTOM DEPTH: 4104.250 ft

### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
Y AXIS CALIPER	FILTER ( )	medium (1)		TOP	BOTTOM
TENSION	FILTER ( )	medium (1)		"	"
CR	FILTER ( )	medium (1)		"	"
CN	FILTER ( )	medium (1)		"	"
CALIPER	FILTER ( )	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
ZDL MED RES	FILTER (hrd1*)	medium		"	"
	FILTER (hrd1a*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2a*)	medium		"	"

### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	4.500	1in	TOP	BOTTOM
	CASING THICKNESS	0.000	1in	"	"
BIT SIZE	BIT SIZE	7.875	1in	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (amb*)	USE CALIPER		"	"
	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (amb*)	7.875	1in	"	"
	FIXED DIAMETER (mbh*)	7.875	1in	"	"
BH MUD RESISTIVITY SOURCE	RMD SOURCE (HDIL)	OIL BASE MUD		"	"

### CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
2448 CN MATRIX	2448 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	"	"
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	7.875	1in	"	"

### ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DENSITY POROSITY	RHDmatrix	2.850	g/cm3	TOP	BOTTOM
	RHDfluid	0.900	g/cm3	"	"
ZDL	DECK TRACKING	ON		"	"

### HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	STANDOFF		"	"
	STANDOFF	0.70	1in	"	"
	TOOL POSITION	ECCENTRICED		"	"
	Rmsd MULTIPLIER	1.000		"	"

### CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Nov 4 00:21:30 2010	BIT SIZE
F1:BVOL	Nov 4 00:21:30 2010	BOREHOLE VOLUME
F1:CAL	Nov 4 00:21:30 2010	CALIPER
F1:CMCF	Nov 4 00:21:30 2010	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Nov 4 00:21:30 2010	CEMENT VOLUME
F1:CR	Nov 4 00:21:30 2010	GAMMA RAY
F1:M2R1	Nov 4 00:21:30 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI

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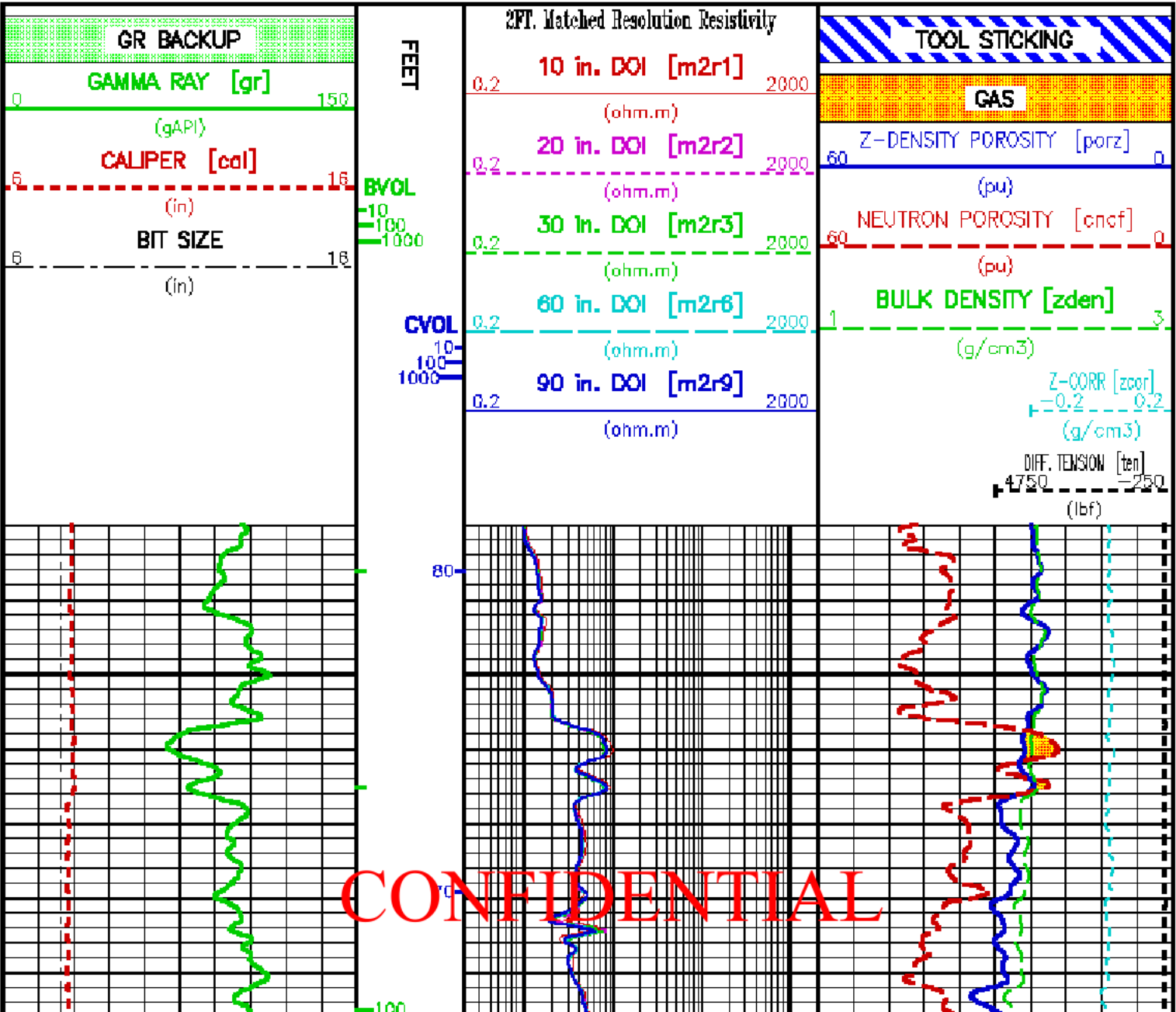
F1:M2R2 Nov 4 00:21:30 2010 VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI  
 F1:M2R3 Nov 4 00:21:30 2010 VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI  
 F1:M2R6 Nov 4 00:21:30 2010 VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI  
 F1:M2R8 Nov 4 00:21:30 2010 VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI  
 F1:PORZ Nov 4 00:21:30 2010 POROSITY FOR SELECTABLE MATRIX  
 F1:TEM Nov 4 00:21:30 2010 DIFFERENTIAL TENSION  
 F1:ZCOR Nov 4 00:21:30 2010 DENSITY CORRECTION  
 F1:ZDEN Nov 4 00:21:30 2010 FORMATION BULK DENSITY

**CURVE MEASURE POINT OFFSET**

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M2R1	36.75	M2R8	36.75	ZDEN	63.00
CAL	63.50	M2R2	36.75	PORZ	63.00		
CNCF	74.00	M2R3	36.75	TEM	0.00		
GR	81.00	M2R6	36.75	ZCOR	63.00		

Presentation : rka6726/dal1a/587142/SLAM\_RPT2.pdf [5"/100' Scale]  
 Plot Interval : 37.50 - 4104.25 Feet

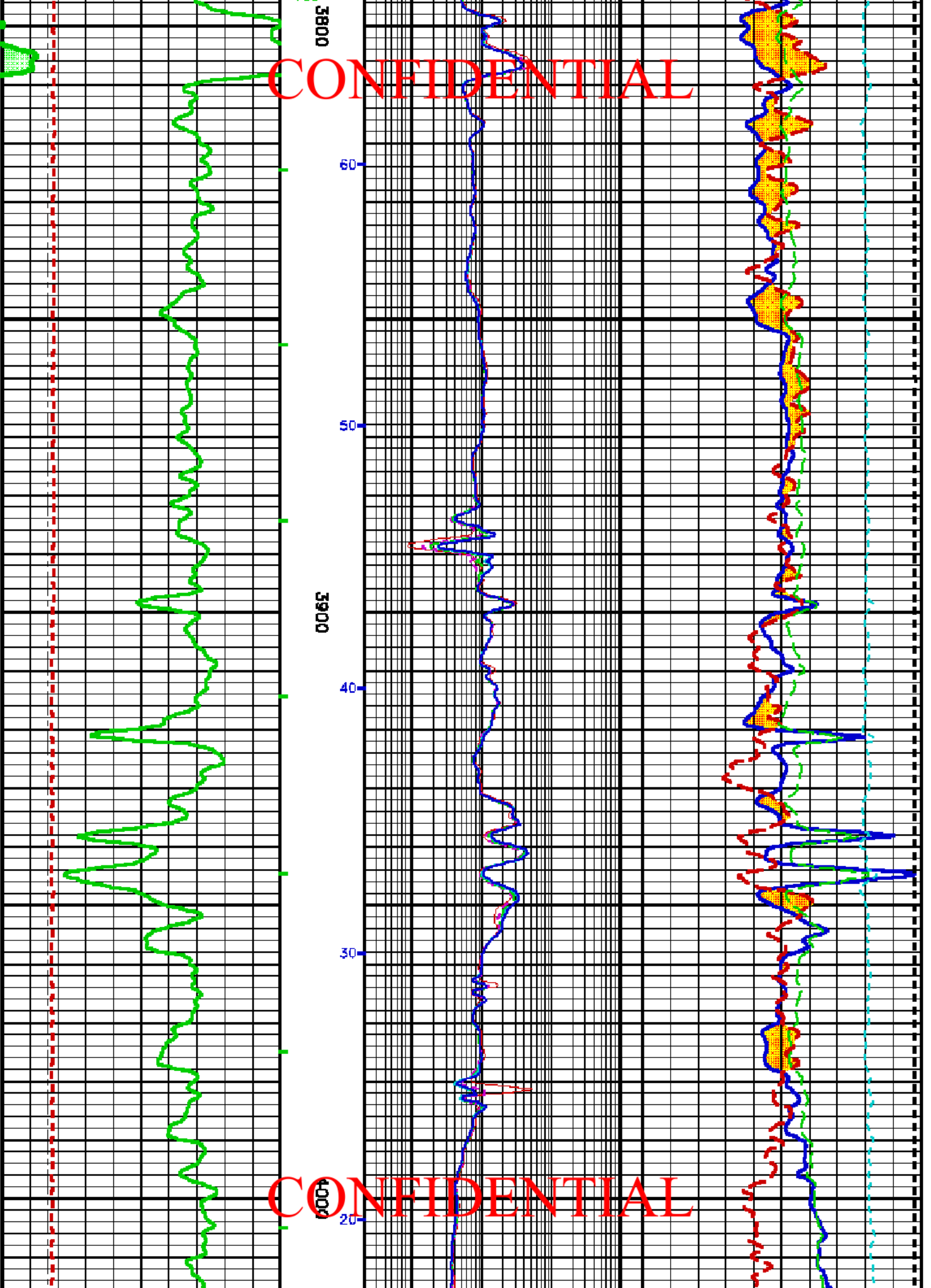
Data File 1 : F1 : rka6726/dal1a/587142/m77op\_DALD6.off  
 Created On : Nov 4 00:21:30 2010  
 Company : BRIDGE ENERGY, INC.  
 Well : OJS PROPERTIES 1-15  
 Field : WILDCAT  
 File Interval : 715 - 4104.25 Feet  
 Oct : m77op\_DA



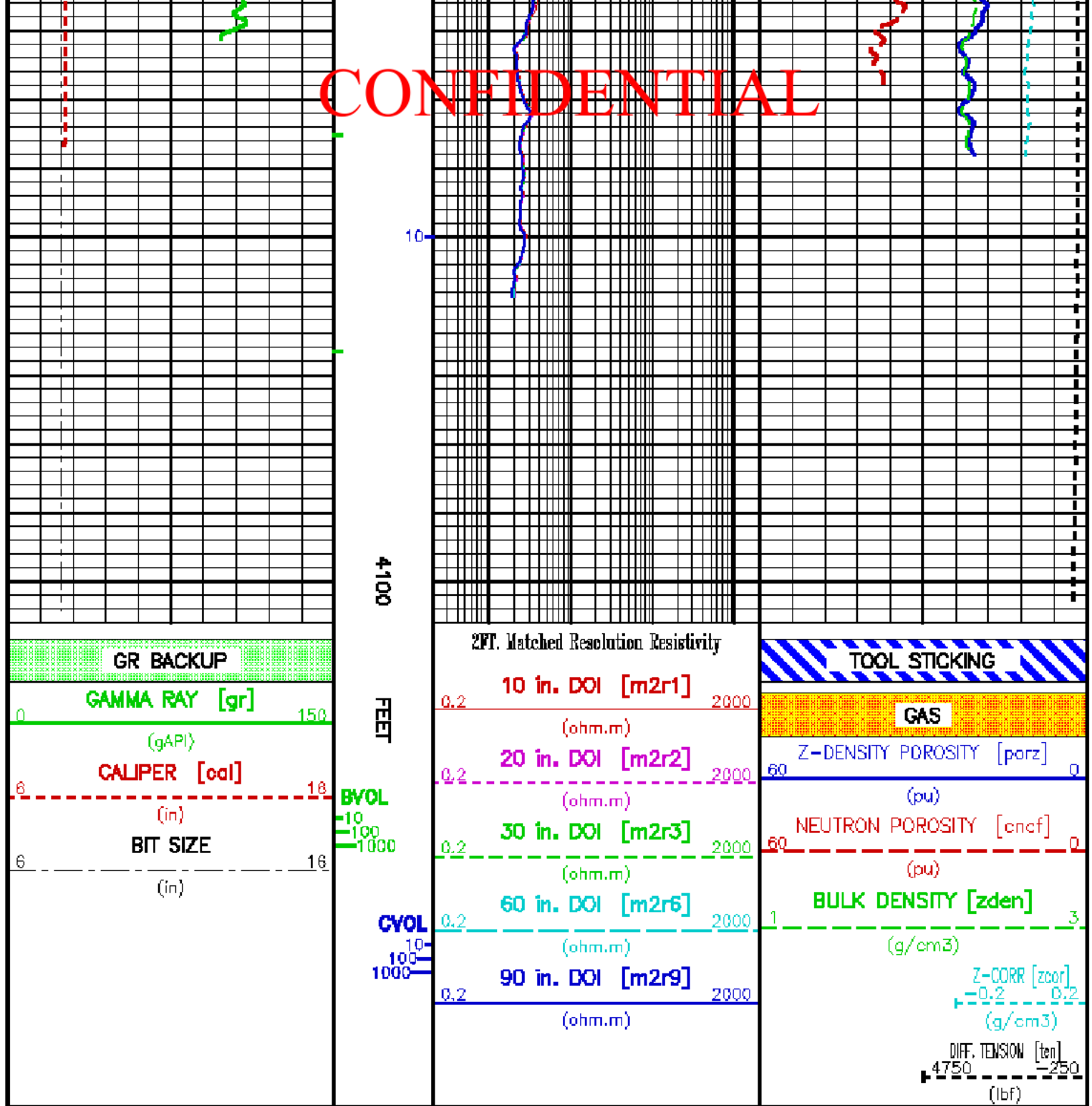
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**CALIBRATION / VERIFICATION SUMMARY**

Source File: /cal/c/007142/m77w.DAL.in1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 10196 95 DATE/TIME PERFORMED: Feb 05 15 18:05:07 2010

UNIT #: 3885TD HL6726 CALB JIG #: 4702NK DA-501

BACKGROUND CALBRTR ON GR DIFF MULT BACKGROUND CALBRTR ON CALBRTR  
(cts/s) (cts/s) (cts/s) (gAPI) (gAPI) (gAPI)

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GR 282.02 1138.91 858.9 0.175 49.37 199.37 150

SSD.D 860.0

# CONFIDENTIAL

TOOL #: 1329XA 10196895 DATE/TIME PERFORMED: Fri Oct 15 16:12:18 2010

UNIT #: 3885TD HL6726 VERI JIG #: 4702NK DA-501

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	286.67	1117.44	0.175	50.18	195.61	145.43
						140.00 190.00

## GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10196895 DATE/TIME PERFORMED: Wed Nov 3 20:42:18 2010 DAYS SINCE CAL: 19

UNIT #: 3885TD HL6726 VERI JIG #: 4702NK DA-501

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	210.31	1030.80	0.175	36.82	180.41	143.59
						135.43 155.43

## GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10196895 DATE/TIME PERFORMED: Thu Nov 4 02:49:18 2010 DAYS SINCE CAL: 19

UNIT #: 3885TD HL6726 VERI JIG #: 4702NK DA-501

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	155.51	990.87	0.175	27.22	173.48	146.23
						133.80 183.60

## CN PRIMARY CALIBRATION SUMMARY

TOOL #: 2446XA 153114 DATE/TIME PERFORMED: Tue Oct 12 16:19:51 2010

UNIT #: 3885TD HL6726 CALIBRATOR #: 2437XB 112864 SOURCE #: 4717XS DN-918

	MEASURED CPS	DEADTM CPS	CORR	DTC SSN/LSN	NOMINAL SSN/LSN	CORRECTION FACTOR	POROSITY (pu)
LSN	603.52		612.39				
SSN	1572.81		1623.89				
RATIO				2.85171	2.75100	1.03745	
						0.97000 1.07000	
CN							21.358

## CN PRIMARY VERIFICATION SUMMARY

TOOL #: 2446XA 153114 DATE/TIME PERFORMED: Tue Oct 12 16:28:31 2010

UNIT #: 3885TD HL6726 ICE BLOCK #: 4717ND 00-036

	MEASURED CPS	DEADTM CPS	CORR	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1883.45		1972.66				
SSN	4271.34		4670.40				
RATIO				2.36750	1.03745	2.1741	
CN							17.287

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TOOL #: 2446XA 153114 DATE/TIME PERFORMED: Wed Nov 3 20:36:21 2010 DAYS SINCE CAL: 22

UNIT #: 3885TD HL6726 ICE BLOCK #: 4717ND OD-038

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	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1872.73	1960.91				
SSN	4243.74	4637.42				
RATIO			2.36493	1.03745	2.45479	
ON						17.251 15.287 18.287

ON AFTER LOG VERIFICATION SUMMARY

TOOL #: 2446XA 153114 DATE/TIME PERFORMED: Thu Nov 4 02:45:19 2010 DAYS SINCE CAL: 22

UNIT #: 3885TD HL6726 ICE BLOCK #: 4717ND OD-038

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1865.30	1952.76				
SSN	4253.69	4625.43				
RATIO			2.36866	1.03745	2.45878	
ON						17.306 15.251 18.251

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2234XA 10415656 DATE/TIME PERFORMED: Wed Oct 13 10:43:38 2010

UNIT #: 3885TD HL6726

	SMALL RING	LARGE RING	MULT	ADD	SMALL RING (in)	LARGE RING (in)
CALIPER	1282.8	2062.8	0.00785	-2.19827	7.875	14.000

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10415656 DATE/TIME PERFORMED: Wed Nov 3 21:01:50 2010 DAYS SINCE CAL: 21

UNIT #: 3885TD HL6726

	I.D.	MULT	ADD	I.D. (in)
CALIPER	1341.6	0.00785	-2.43800	8.097

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10415656 DATE/TIME PERFORMED: Thu Nov 4 02:04:09 2010 DAYS SINCE CAL: 21

UNIT #: 3885TD HL6726

	I.D.	MULT	ADD	I.D. (in)
CALIPER	1348.8	0.00785	-2.43800	8.154 7.997 8.597

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ZDL PRIMARY CALIBRATION SUMMARY

TOOL #: 2234XA 10415656 DATE/TIME PERFORMED: Wed Nov 3 10:59:14 2010

TOOL #: 2234XA 10415656

DATE/TIME PERFORMED: Wed Oct 13 11:22:11 2010

UNIT #: 3885TD HL6726

CALB BLKS: 2225XA 094299

CS SRC: 4703NT 277608

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	SS (Channel)	LS (Channel)	SS BKD (cps)	LS BKD (cps)	DEN (g/cm <sup>3</sup> )	CORR (g/cm <sup>3</sup> )	PE (b/e)
MG (LO PE)	225.6 220.0 226.0	226.0 220.0 226.0	1315.8	1850.3	1.699	0.003	2.150
AL	14489.7	1277.4	0.065	0.065	2.696	-0.009	
AL + SHIM	20080.8	2266.0			2.613	0.157	
MG + SHIM (HI PE)	12176.7	6106.3	0.254 0.215 0.270				8.700
RATIO AL + SHIM/AL	1.39 1.32 1.42	1.77 1.64 1.84					
RATIO MG/AL	1.73 1.65 1.78	10.07 9.46 10.30					

ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10415656

DATE/TIME PERFORMED: Wed Nov 3 20:38:28 2010

DAYS SINCE CAL: 21

UNIT #: 3885TD HL6726

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	1866.6 1560.3 1790.3	226.6 220.0 230.0	1232.0 1100.0 1350.0
SS	1310.8 1215.6 1415.6	225.5 220.0 230.0	1196.1 1100.0 1290.0
	LV (V)	PAD CURRENT (mA)	
	5.0 4.8 5.2	66.1 50.0 120.0	

ZDL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10415656

DATE/TIME PERFORMED: Thu Nov 4 02:44:49 2010

DAYS SINCE CAL: 21

UNIT #: 3885TD HL6726

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	1868.5 1560.3 1790.3	225.9 220.0 230.0	1231.5 1100.0 1350.0
SS	1304.0 1215.6 1415.6	225.2 220.0 230.0	1190.2 1100.0 1290.0
	LV (V)	PAD CURRENT (mA)	
	5.0 4.8 5.2	62.3 50.0 120.0	

HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1515MA 185559

DATE/TIME PERFORMED: Wed Jun 16 09:28:16 2010

UNIT #: 5700XX 000001

GROUND ID & DATE: 18 083096

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	-0.003 -0.200 0.200	-0.000 -0.100 0.100	0.000 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	0.001 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100
Coil 0 Q	0.007 -1.000 1.000	0.009 -0.200 0.200	0.002 -0.100 0.100	0.002 -0.100 0.100	0.003 -0.100 0.100	0.001 -0.100 0.100	0.001 -0.100 0.100	0.001 -0.100 0.100
Coil 1 R	0.007 -0.200 0.200	0.007 -0.100 0.100	0.008 -0.100 0.100	0.011 -0.100 0.100	0.009 -0.100 0.100	0.007 -0.100 0.100	0.006 -0.100 0.100	0.003 -0.100 0.100

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