BAKER HUGHES

Baker Atlas

HIGH DEFINITION INDUCTION LOG SM
COMPENSATED Z-DENSILOG SM
COMPENSATED NEUTRON LOG
GAMMA RAY LOG
CALIPER LOG

FILE NO: 15256

API NO:

COMPANY BRIDGE ENERGY, INC.
WELL WHITE 1-10
FIELD HAMILTON PROSPECT
COUNTY PAYETTE STATE IDAHO

Ver. 3.87

LOCATION:

SEC 10 TWP 7N RGE 4W

OTHER SERVICES
DAL
SWC

PERMANENT DATUM G.L. ELEVATION 2260 FT
LOG MEASURED FROM K.B. 23 FT ABOVE P.D.
DRILL. MEAS. FROM K.B.

ELEVATIONS:
KB 2283 FT
DF
GL 2260 FT

DATE		01-Sep-2010			
RUN	TRIP	1	1		
SERVICE ORDER		571023			
DEPTH DRILLER		2415 FT			
DEPTH LOGGER		2414 FT			
BOTTOM LOGGED INTERVAL		2414 FT			
TOP LOGGED INTERVAL		0 FT			
CASING DRILLER		9.625 IN @687 FT		@	
CASING LOGGER		683 FT			
BIT SIZE		8.75 IN			
TYPE OF FLUID IN HOLE		INVERT			
DENSITY	VISCOSITY	9.9 LB/G	54 S		
PH	FLUID LOSS	NA	NA		
SOURCE OF SAMPLE		NA			
RM AT MEAS. TEMP.		NA @NA		@	
RMF AT MEAS. TEMP.		NA @NA		@	
RMC AT MEAS. TEMP.		NA @NA		@	
SOURCE OF RMF	RMC	NA	NA		
RM AT BHT		NA @NA		@	
TIME SINCE CIRCULATION		6 HOURS			
MAX. RECORDED TEMP.		129 DEGF			
EQUIP. NO.	LOCATION	HL-6685	ROCK SPRGS.		
RECORDED BY		C. PEAVEY			
WITNESSED BY		R. RICHARDS / JC NERUD			

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 :
CVOL COMPUTED USING 5.5" CASING
CVOL AND BVOL PRESENTED IN CUBIC FEET
CALIPER WAS VERIFIED IN CASING

MATRIX = SANDSTONE
RHO M: 2.65 G/CC AND RHO F: 0.9 G/CC

STAND-OFFS RUN ON THE HDIL
DE-CENTRALIZER RUN FOR CN TOOL

THANK YOU FOR CHOOSING BAKER ATLAS!
CREW: J. WILLIS AND D. KERN
RIG: RAZORBACK

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EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	SWL	3944XD	10487413	SWIVEL

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1	1	TTRM	3981XA	10195614	FREE
1	1	WTS COM.	3514XB	10268508	FREE
1	1	DSL	1329XA	121838	FREE
1	1	CN	2446XA	10202034	DE-CENTRALIZED
1	1	ZDL	2284XA	10495292	DE-CENTRALIZED / PAD
1	1	DKNJT	3939XA	10171013	DOUBLE KNUCKLE
1	1	HDIL	1515EA/MA	10197814	0.7" STAND-OFF
1	1	DKNJT	3939XA	10210416	DOUBLE KNUCKLE
1	1	CENT	4341XA	10500017	CENTRALIZED
1	1	DAL	1677EA/1680MA	10366234/10383923	CENTRALIZED
1	1	CENT	4341XA	10239054	CENTRALIZED

MAIN LOG 5"/100FT SCALE

ECLIPS 6.1i Aug 06, 2010 Wed Sep 1 06:25:24 2010

Perplt /main/62 Cplot Pdf_Cpp /main/16 Fileview 5.50

PARAMETER AND FILTER SUMMARY REPORT

File: /data/a/15256/m777103.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 599.000 ft BOTTOM DEPTH: 2418.000 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
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 (.i)	medium (1)		''	''
ZDL MED RES	FILTER (hrd1*)	medium		''	''
	FILTER (hrd1s*)	medium		''	''
	FILTER (hrd2*)	medium		''	''
	FILTER (hrd2s*)	medium		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	5.500	in	TOP	BOTTOM
	CASING THICKNESS	0.000	in	''	''
BIT SIZE	BIT SIZE	8.750	in	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		''	''
	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	8.750	in	''	''
	FIXED DIAMETER (mbh*)	8.750	in	''	''
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	OIL BASE MUD		''	''

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
2446 CN MATRIX	2446 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	''	''
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		''	''
	BIT SIZE BEHIND CSNG	7.875	in	''	''

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
DENSITY POROSITY	RHOmatrix	2.650	g/cm3	TOP	BOTTOM
	RHOfluid	0.900	g/cm3	''	''

ZDL	DENX TRACKING	ON		''	''

HDIL PROCESSING

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

CURVE DESCRIPTION REPORT

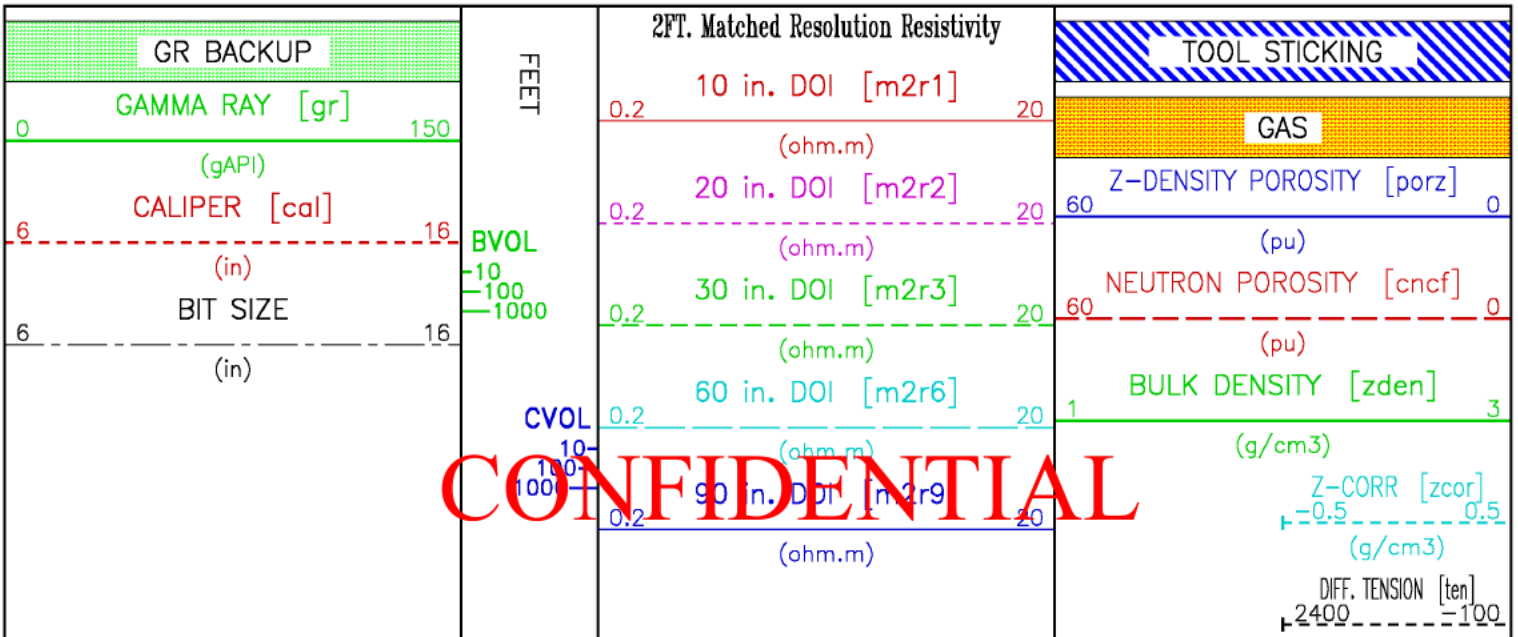
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Sep 1 04:38:05 2010	BIT SIZE
F1:BVOL	Sep 1 04:38:05 2010	BOREHOLE VOLUME
F1:CAL	Sep 1 04:38:05 2010	CALIPER
F1:CNCF	Sep 1 04:38:05 2010	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Sep 1 04:38:05 2010	CEMENT VOLUME
F1:GR	Sep 1 04:38:05 2010	GAMMA RAY
F1:M2R1	Sep 1 04:38:05 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Sep 1 04:38:05 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Sep 1 04:38:05 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Sep 1 04:38:05 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Sep 1 04:38:05 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PORZ	Sep 1 04:38:05 2010	POROSITY FOR SELECTABLE MATRIX
F1:TEN	Sep 1 04:38:05 2010	DIFFERENTIAL TENSION
F1:ZCOR	Sep 1 04:38:05 2010	DENSITY CORRECTION
F1:ZDEN	Sep 1 04:38:05 2010	FORMATION BULK DENSITY

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M2R1	41.50	M2R9	41.50	ZDEN	67.75
CAL	68.00	M2R2	41.50	PORZ	67.75		
CNCF	78.75	M2R3	41.50	TEN	0.00		
GR	85.62	M2R6	41.50	ZCOR	67.75		

Presentation : rks6685:/dat1a/15256/HDILZDLCNGR_MAIN.pdf [5"/100' Scale]
Plot Interval : 23.25 - 2418 Feet

Data File 1 : F1 : rks6685:/dat1a/15256/8_MAIN.xtf
Created On : Sep 1 04:38:05 2010
Company : BRIDGE ENERGY, INC.
Well : WHITE 1-10
Field : HAMILTON PROSPECT
File Interval : 23.25 - 2418 Feet
Oct : m777I



(lbf)

GR

100

200

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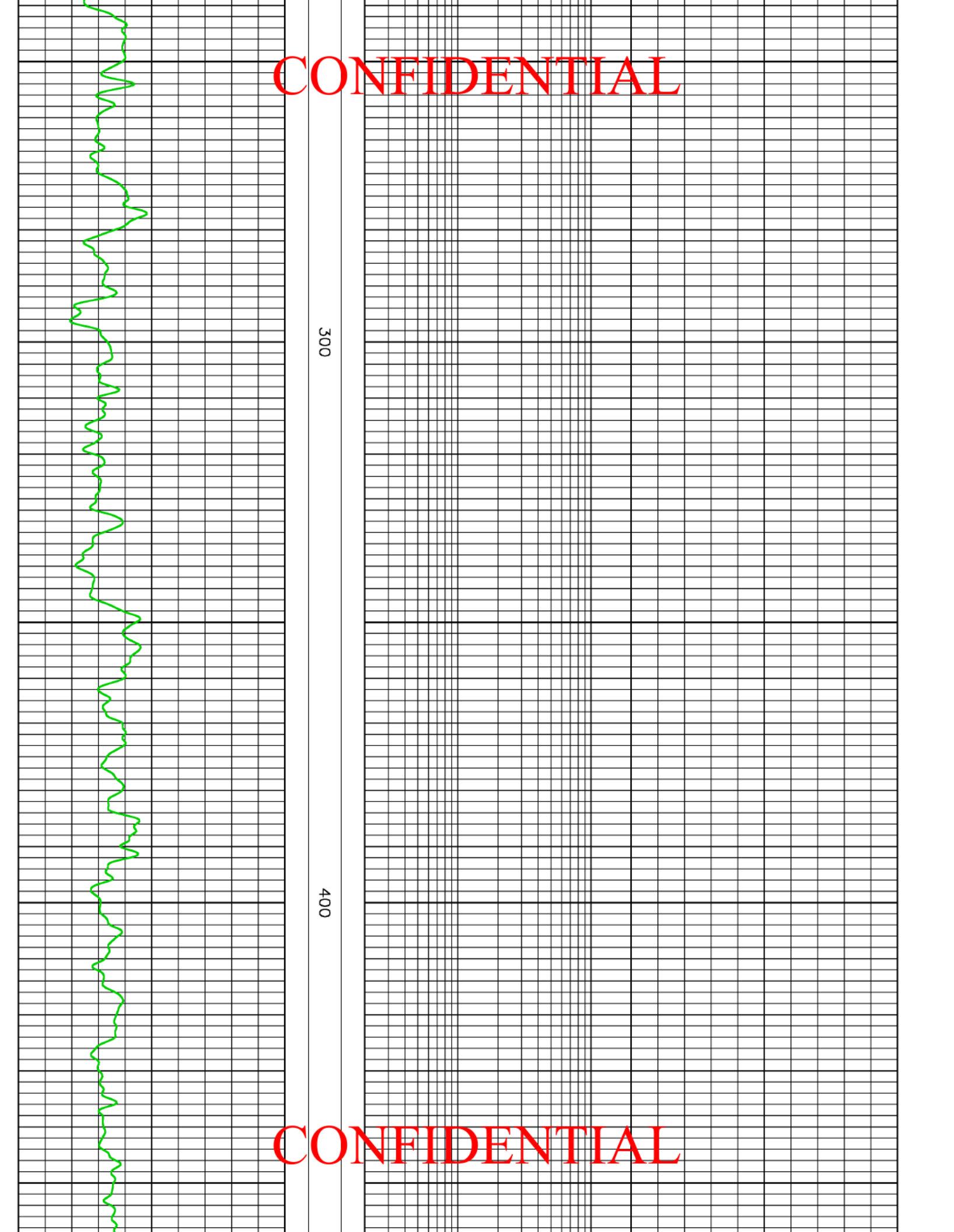

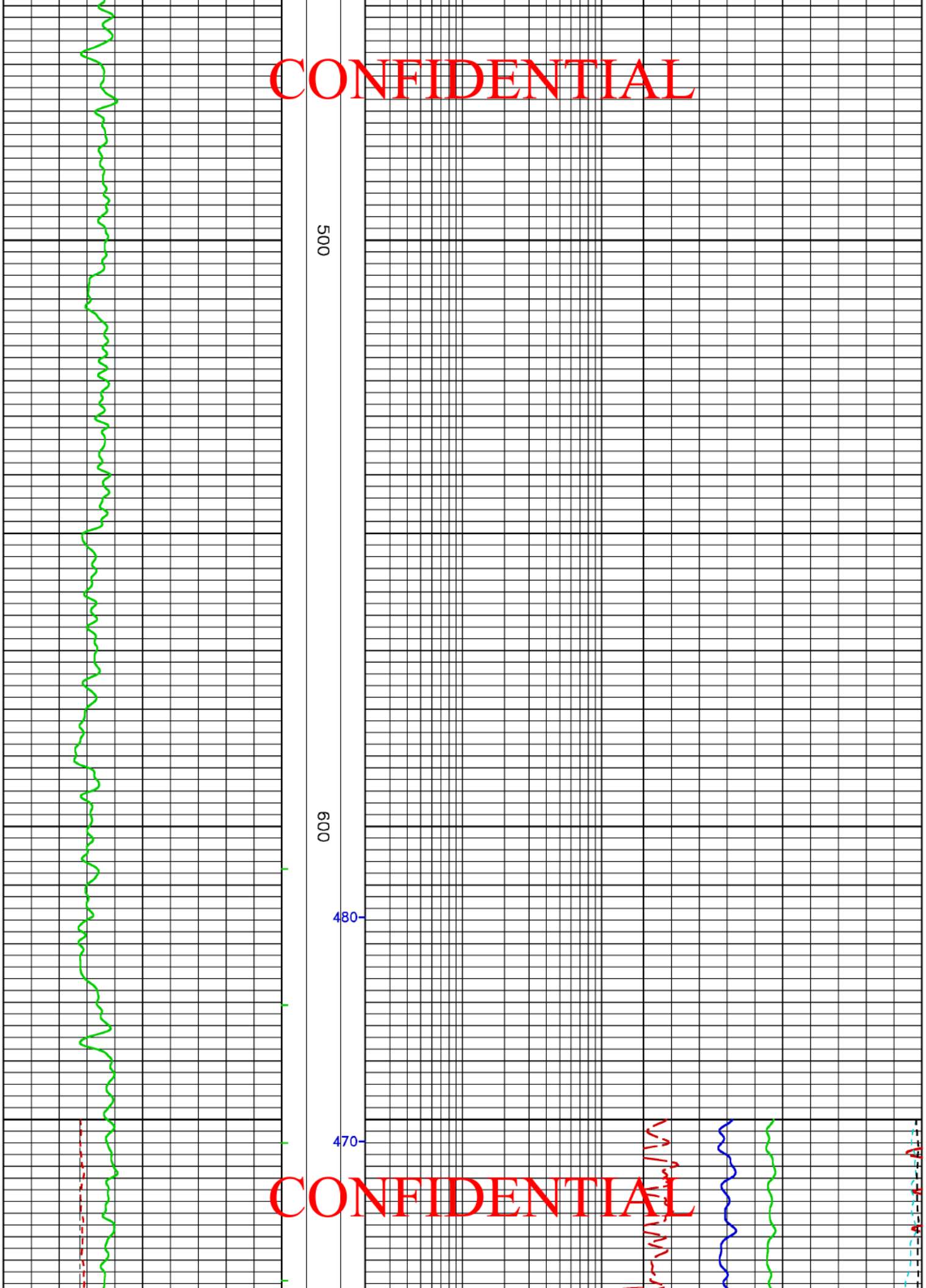

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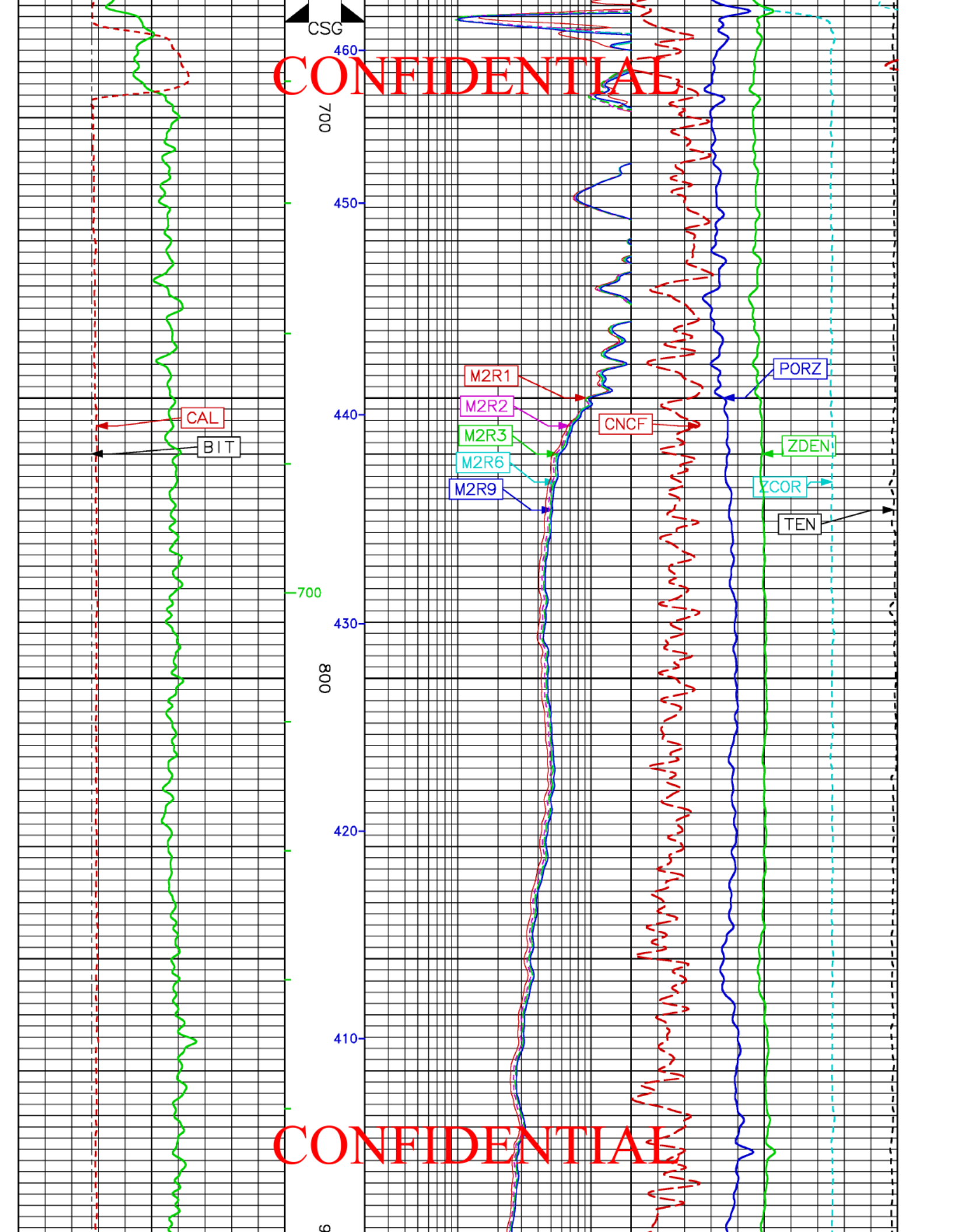

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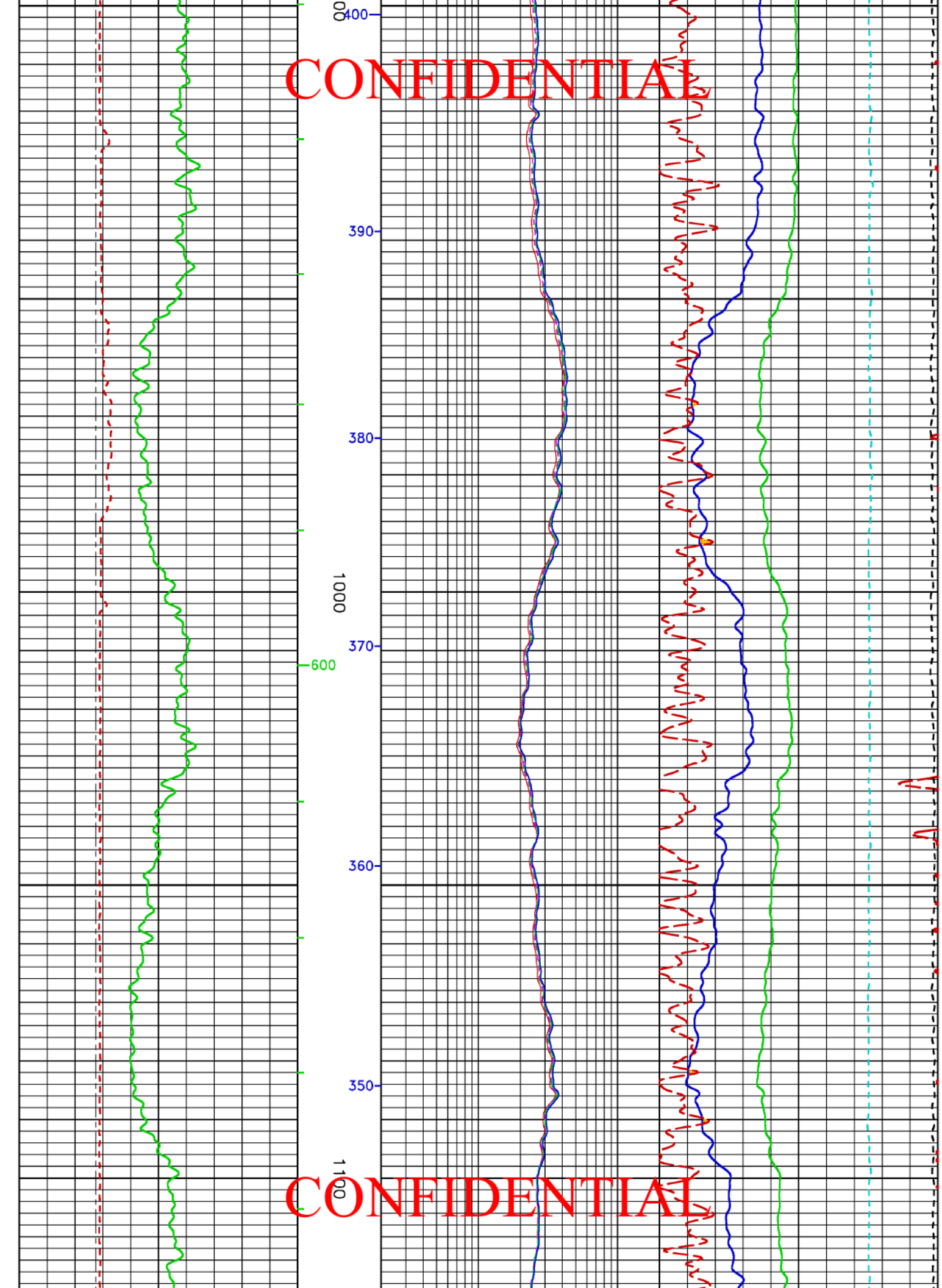

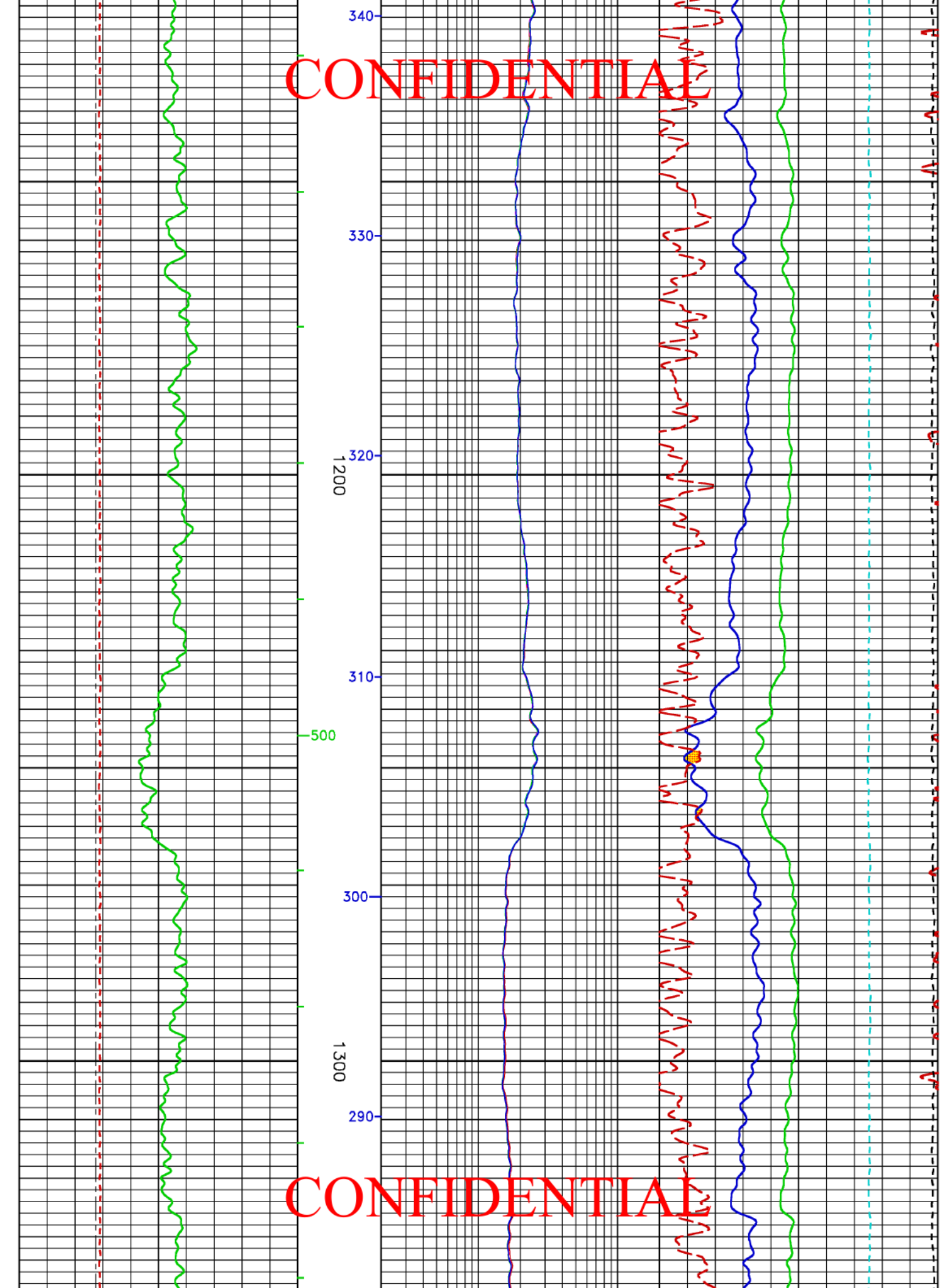
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300
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290
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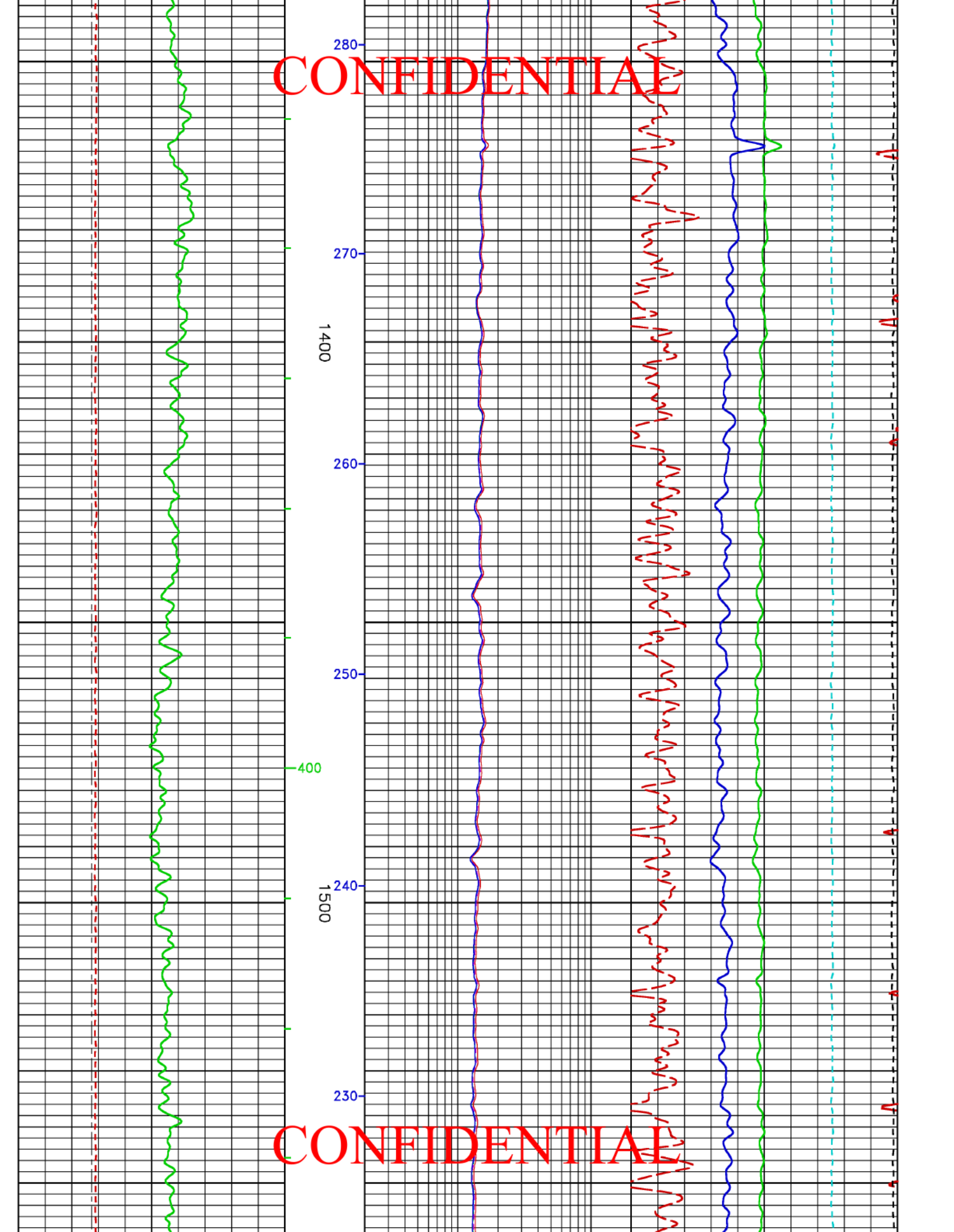
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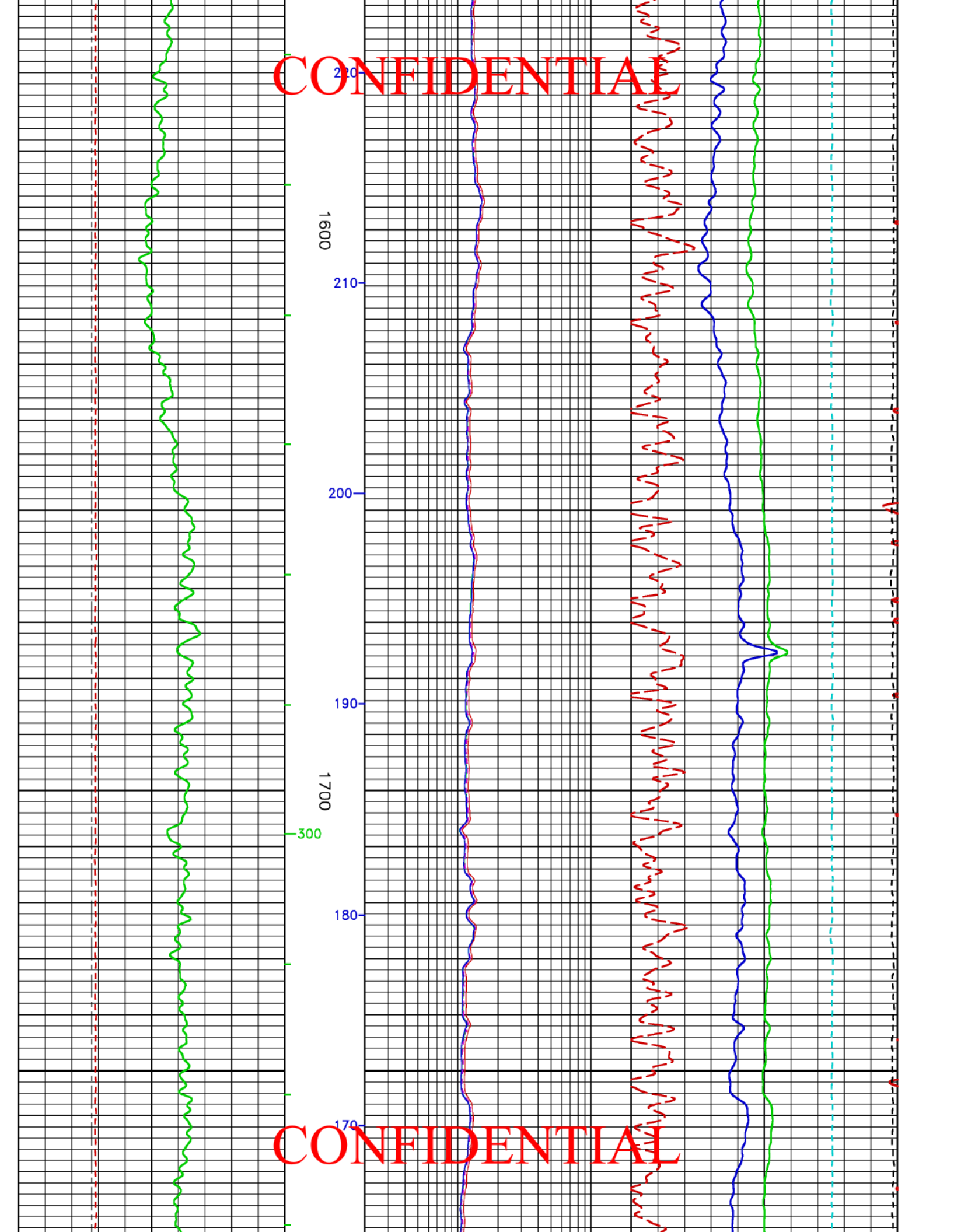
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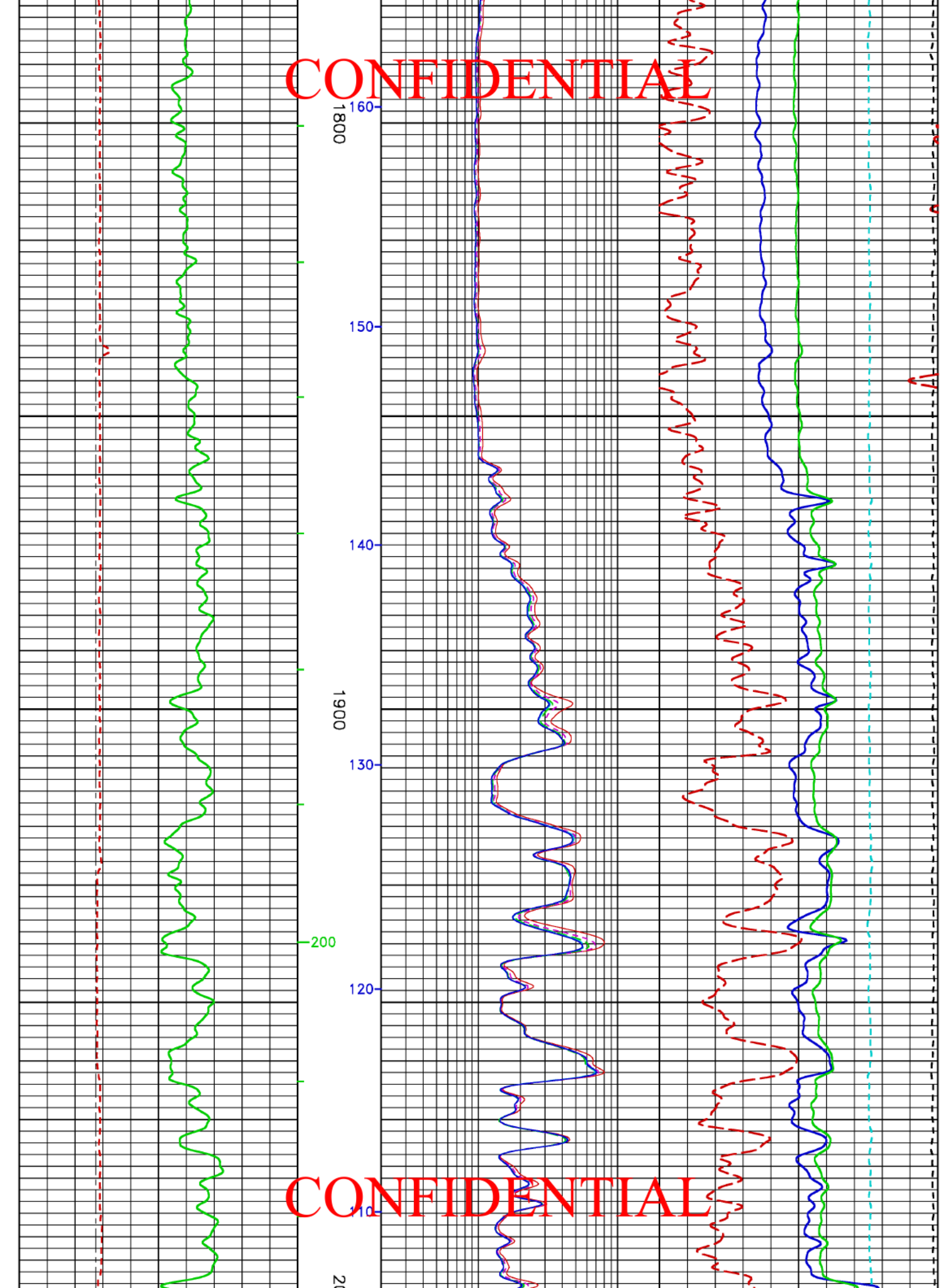
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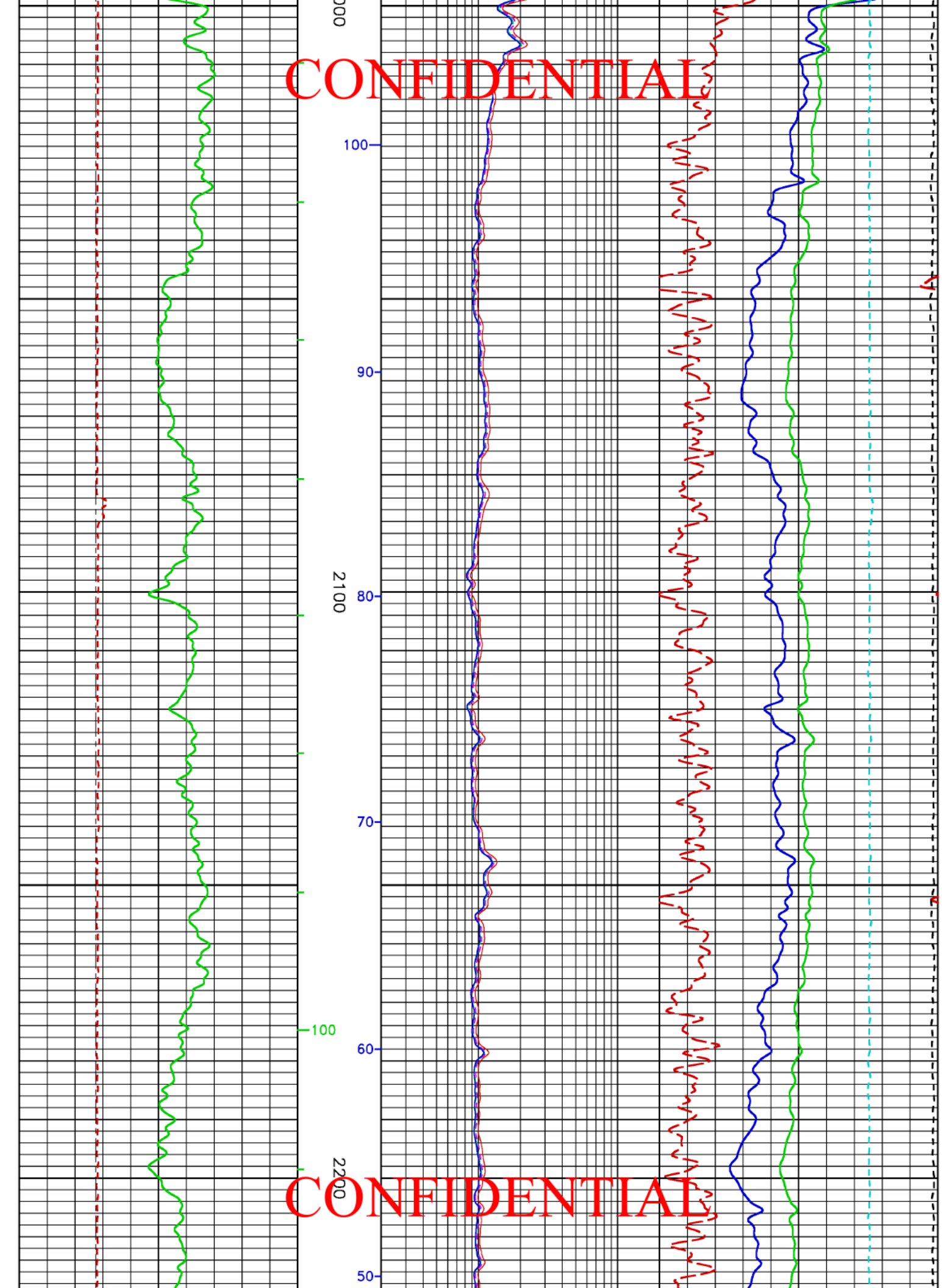
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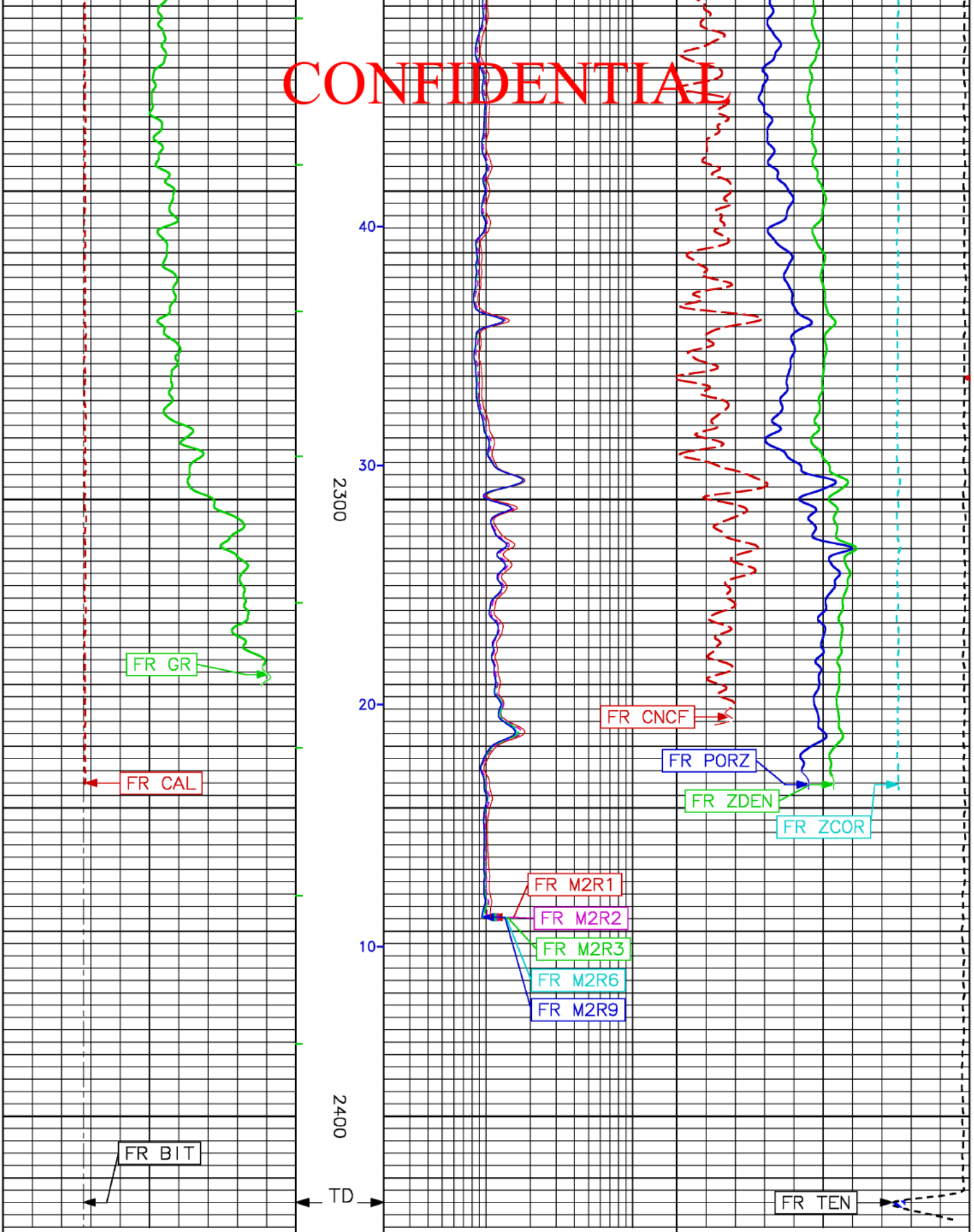

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GR BACKUP

GAMMA RAY [gr]

0 150

(gAPI)

FEET

SFT. Matched Resolution Resistivit

10 in. DOI [m2r1]

0.2 20

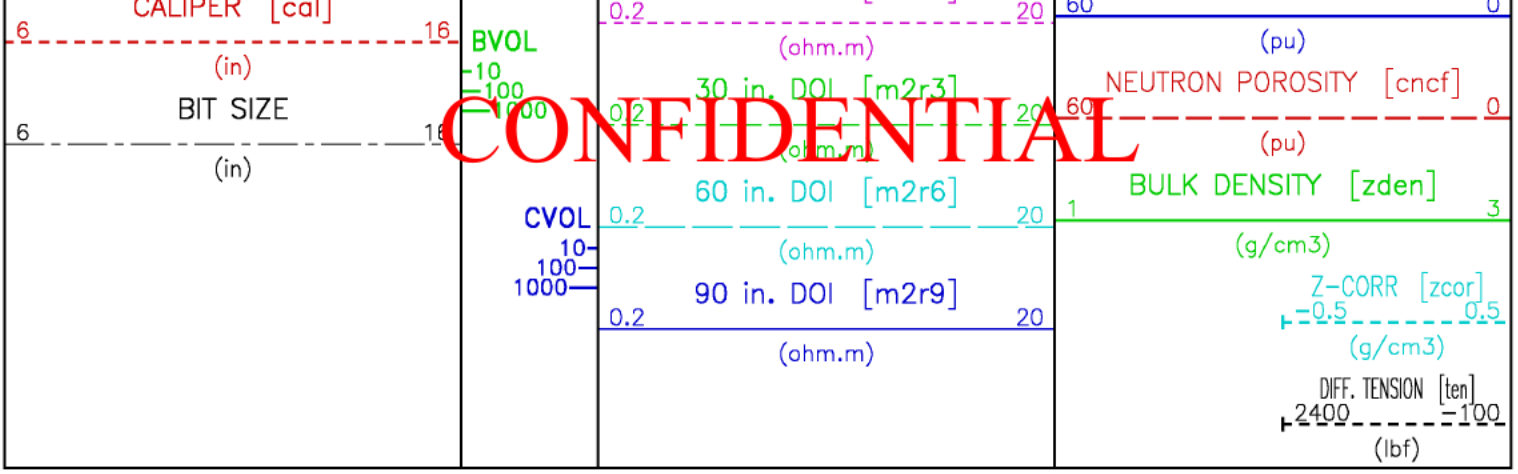
(ohm.m)

20 in. DOI [m2r2]

TOOL STICKING

GAS

Z-DENSITY POROSITY [porz]



REPEAT LOG

ECLIPS 6.1i Aug 06, 2010 Wed Sep 1 06:18:27 2010

Pcrplt /main/62 Cplot Pdf_Cpp /main/16 Fileview 5.50

PARAMETER AND FILTER SUMMARY REPORT

File: /dat1a/15256/m777102.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1766.000 ft BOTTOM DEPTH: 2421.250 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
Y AXIS CALIPER	FILTER ()	medium (1)		TOP	BOTTOM
SPEED	FILTER ()	medium (1)		''	''
TENSION	FILTER ()	medium (1)		''	''
GR	FILTER ()	medium (1)		''	''
CN	FILTER ()	medium (1)		''	''
CALIPER	FILTER ()	medium (1)		''	''
	FILTER (.h)	medium (1)		''	''
	FILTER (.i)	medium (1)		''	''
ZDL MED RES	FILTER (hrd1*)	medium		''	''
	FILTER (hrd1s*)	medium		''	''
	FILTER (hrd2*)	medium		''	''
	FILTER (hrd2s*)	medium		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	5.500	in	TOP	BOTTOM
	CASING THICKNESS	0.000	in	''	''
BIT SIZE	BIT SIZE	8.750	in	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		''	''
	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	8.750	in	''	''
	FIXED DIAMETER (mbh*)	8.750	in	''	''
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	OIL BASE MUD		''	''

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
2446 CN MATRIX	2446 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	''	''

CN CASING & CEMENT CORRECTION	CORRECTION	OFF		''	''
	BIT SIZE BEHIND CSNG	7.875	in	''	''

ZDL PROCESSING

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

HDIL PROCESSING

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

CURVE DESCRIPTION REPORT

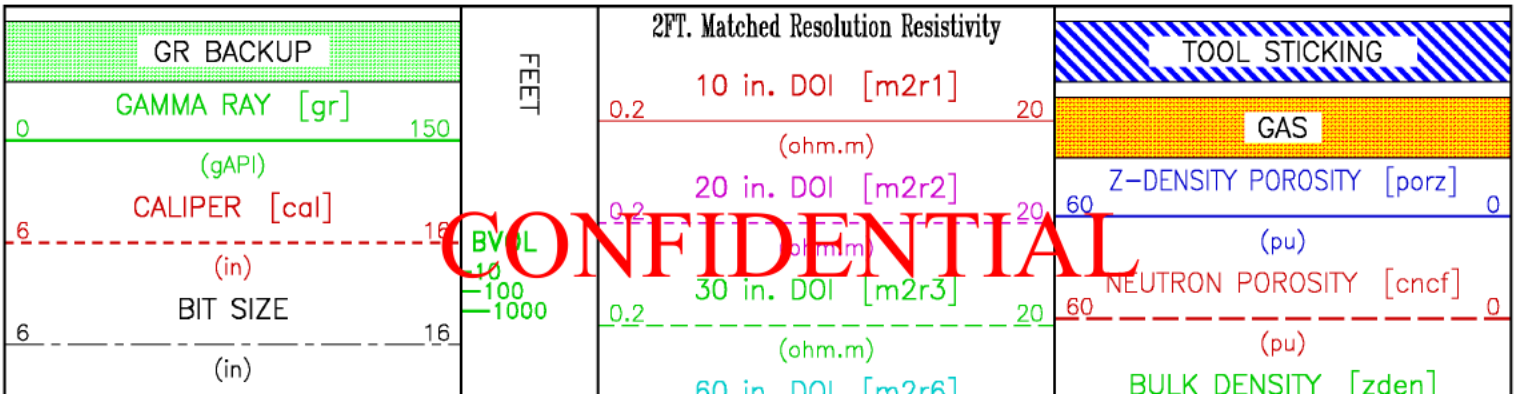
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Sep 1 03:56:36 2010	BIT SIZE
F1:BVOL	Sep 1 03:56:36 2010	BOREHOLE VOLUME
F1:CAL	Sep 1 03:56:36 2010	CALIPER
F1:CNCF	Sep 1 03:56:36 2010	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Sep 1 03:56:36 2010	CEMENT VOLUME
F1:GR	Sep 1 03:56:36 2010	GAMMA RAY
F1:M2R1	Sep 1 03:56:36 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Sep 1 03:56:36 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Sep 1 03:56:36 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Sep 1 03:56:36 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Sep 1 03:56:36 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PORZ	Sep 1 03:56:36 2010	POROSITY FOR SELECTABLE MATRIX
F1:SPD	Sep 1 03:56:36 2010	SPEED
F1:TEN	Sep 1 03:56:36 2010	DIFFERENTIAL TENSION
F1:ZCOR	Sep 1 03:56:36 2010	DENSITY CORRECTION
F1:ZDEN	Sep 1 03:56:36 2010	FORMATION BULK DENSITY

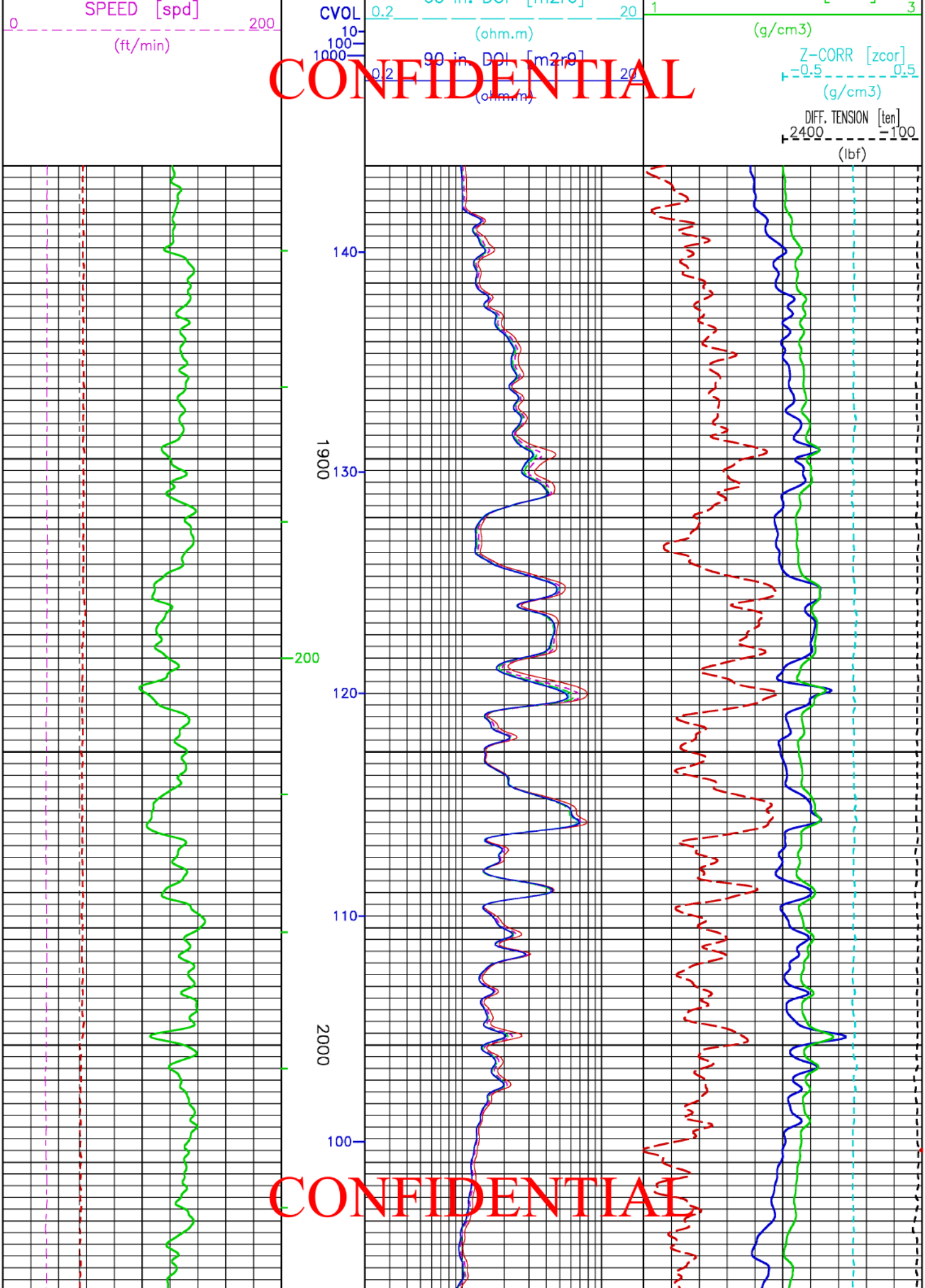
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M2R1	41.50	M2R9	41.50	ZCOR	67.75
CAL	68.00	M2R2	41.50	PORZ	67.75	ZDEN	67.75
CNCF	78.75	M2R3	41.50	SPD	0.00		
GR	85.62	M2R6	41.50	TEN	0.00		

Presentation : rks6685:/dat1a/15256/HDILZDLCNGR_REPEAT.pdf [5"/100' Scale]
Plot Interval : 1850 - 2050 Feet

Data File 1 : F1 : rks6685:/dat1a/15256/8_REPEAT.xtf
Created On : Sep 1 03:56:36 2010
Company : BRIDGE ENERGY, INC.
Well : WHITE 1-10
Field : HAMILTON PROSPECT
File Interval : 1662 - 2415.25 Feet
Oct : m7771

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200
(ft/min)
CVOL
10
100
1000
90 in. DOI [m2r9]
0.2
20
(ohm.m)
90 in. DOI [m2r9]
0.2
20
(ohm.m)
1
3
(g/cm3)
Z-CORR [zcor]
-0.5
0.5
(g/cm3)
DIFF. TENSION [ten]
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-100
(lbf)
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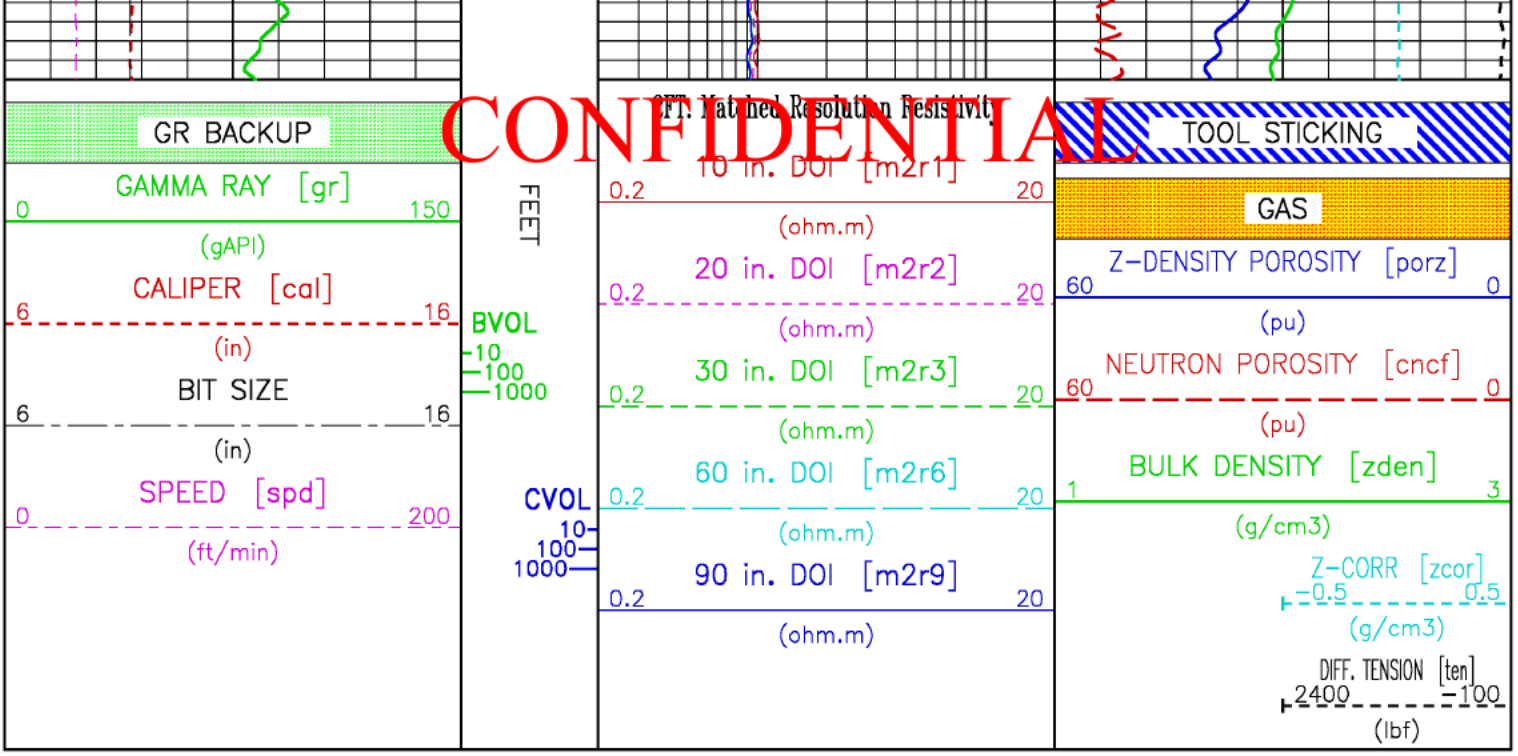
CONFIDENTIAL
CONFIDENTIAL



CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/15256/m777l.tp1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 121838 DATE/TIME PERFORMED: Tue Aug 3 15:43:43 2010

UNIT #: 3882TD HL6685 CALB JIG #: 4702NK WA-641

	BACKGROUND CALBRTR ON (cts/s)	CALBRTR ON (cts/s)	CR DIFF (cts/s)	MULT	BACKGROUND CALBRTR ON (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	625.33	1535.16	909.8 (830.0 960.0)	0.165	103.10	253.10	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 121838 DATE/TIME PERFORMED: Tue Aug 3 15:56:10 2010

UNIT #: 3882TD HL6685 VERI JIG #: 4702NK WA-641

	BACKGROUND CALBRTR ON (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND CALBRTR ON (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	499.51	1379.33	0.165	82.35	227.41	145.05 (140.00 160.00)

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 121838 DATE/TIME PERFORMED: Wed Sep 1 02:53:17 2010 DAYS SINCE CAL: 28

UNIT #: 3885TC HL6685 VERI JIG #: 4702NK WA-641

	BACKGROUND CALBRTR ON (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND CALBRTR ON (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	189.20	1077.98	0.165	31.19	177.72	146.53 (135.05 155.05)

GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 121838 DATE/TIME PERFORMED: Wed Sep 1 07:09:00 2010 DAYS SINCE CAL: 28

UNIT #: 3885TC HL6685 VERI JIG #: 4702NK WA-641

	BACKGROUND (cts/s)	CALBRTN ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTN ON (gAPI)	DIFF. (gAPI)
GR	194.73	1097.80	0.165	32.11	180.99	148.89 (136.53 156.53)

CN PRIMARY CALIBRATION SUMMARY

TOOL #: 2446XA 10202034 DATE/TIME PERFORMED: Tue Aug 3 15:09:37 2010

UNIT #: 3882TD HL6685 CALIBRATOR #: 2437XB 112664 SOURCE #: 4717XS ON-943

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	NOMINAL SSN/LSN	CORRECTION FACTOR	POROSITY (pu)
LSN	616.92	626.19				
SSN	1625.20	1679.80				
RATIO			2.68255	2.75100	1.02552 (0.97000 1.07000)	
CN						21.358

CN PRIMARY VERIFICATION SUMMARY

TOOL #: 2446XA 10202034 DATE/TIME PERFORMED: Tue Aug 3 15:15:12 2010

UNIT #: 3882TD HL6685 ICE BLOCK #: 4717ND OD-070

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1925.84	2019.21				
SSN	4285.68	4687.55				
RATIO			2.32148	1.02552	2.38181	
CN						16.286

CN BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2446XA 10202034 DATE/TIME PERFORMED: Wed Sep 1 02:56:11 2010 DAYS SINCE CAL: 28

UNIT #: 3885TC HL6685 ICE BLOCK #: 4717ND OD-070

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1863.98	1951.32				
SSN	4285.40	4687.22				
RATIO			2.40207	1.02552	2.46473	
CN						17.384 (14.286 18.286)

CN AFTER LOG VERIFICATION SUMMARY

TOOL #: 2446XA 10202034 DATE/TIME PERFORMED: Wed Sep 1 07:05:27 2010 DAYS SINCE CAL: 28

UNIT #: 3885TC HL6685 ICE BLOCK #: 4717ND OD-070

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1859.66	1946.58				
SSN	4280.16	4680.93				

RATIO	2.40470	1.02552	2.46745
CN			17.421 (15.384 – 19.384)

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2234XA 10495292 DATE/TIME PERFORMED: Tue Aug 3 13:49:11 2010

UNIT #: 3882TD HL6685

	SMALL RING	LARGE RING	MULT	ADD	SMALL RING (in)	LARGE RING (in)
CALIPER	2003.2	2800.8	0.00768	-7.50815	7.875	14.000

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10495292 DATE/TIME PERFORMED: Wed Sep 1 03:29:21 2010 DAYS SINCE CAL: 28

UNIT #: 3885TC HL6685

	I.D.	MULT	ADD	I.D. (in)
CALIPER	2182.8	0.00768	-7.84135	8.921

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10495292 DATE/TIME PERFORMED: Wed Sep 1 05:33:42 2010 DAYS SINCE CAL: 28

UNIT #: 3885TC HL6685

	I.D.	MULT	ADD	I.D. (in)
CALIPER	2188.8	0.00768	-7.84135	8.967 (8.421 – 9.421)

ZDL PRIMARY CALIBRATION SUMMARY

TOOL: 2234XA 10495292 DATE/TIME PERFORMED: Tue Aug 3 14:11:04 2010

UNIT: 3882TD HL6685 CALB BLKS: 2225XA 094299 CS SRC: 4705XA 3046GW

SS CS PK (Channel)	LS CS PK (Channel)	SS_BKGD (cps)	LS BKGD (cps)
224.6 (220.0 – 230.0)	224.5 (220.0 – 230.0)	1346.2	1668.3

	SS (cps)	LS (cps)	SHR	DEN (g/cm3)	CORR (g/cm3)	PE (b/e)
MG (LO PE)	20110.2	10647.0	0.621 (0.565 – 0.665)	1.699	0.003	2.150
AL	11767.7	1068.2		2.695	-0.009	
AL + SHIM	16276.4	1866.8		2.613	0.157	
MG + SHIM (HI PE)	9806.6	5064.7	0.243 (0.210 – 0.270)			8.700
RATIO AL + SHIM/AL	1.38 (1.32 – 1.42)	1.75 (1.64 – 1.84)				
RATIO MG/AL	1.71 (1.65 – 1.78)	9.97 (9.40 – 10.20)				

ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10495292 DATE/TIME PERFORMED: Wed Sep 1 02:52:20 2010 DAYS SINCE CAL: 28

UNIT #: 3885TC HL6685

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	1662.6	224.0	1217.9
	1568.3 1768.3	220.0 230.0	1100.0 1550.0
SS	1344.4	226.4	1250.2
	1246.2 1446.2	220.0 230.0	1100.0 1550.0

LV (V)	PAD CURRENT (mA)
5.0	73.0
4.8 5.2	50.0 120.0

ZDL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10495292 DATE/TIME PERFORMED: Wed Sep 1 07:05:33 2010 DAYS SINCE CAL: 28

UNIT #: 3885TC HL6685

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	1660.2	225.4	1213.9
	1568.3 1768.3	220.0 230.0	1100.0 1550.0
SS	1339.8	225.7	1248.0
	1246.2 1446.2	220.0 230.0	1100.0 1550.0

LV (V)	PAD CURRENT (mA)
5.0	68.0
4.8 5.2	50.0 120.0

HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1515MA 185566 DATE/TIME PERFORMED: Tue Jun 15 15:08:02 2010

UNIT #: 5700XX 000001 GRCOND 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	-0.004	-0.002	-0.000	-0.001	-0.002	0.001	-0.000	-0.001
	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 0 Q	0.007	0.010	0.001	0.000	0.002	0.002	0.001	0.002
	-1.000 1.000	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 1 R	0.002	0.002	0.001	0.005	0.006	0.007	0.006	0.004
	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 1 Q	-0.007	-0.008	-0.006	-0.004	-0.003	-0.001	0.001	0.004
	-1.000 1.000	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 2 R	-0.009	-0.000	0.001	-0.004	-0.004	-0.001	0.001	0.004
	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 2 Q	0.002	0.002	0.003	0.001	-0.003	-0.001	-0.005	-0.001
	-1.000 1.000	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 3 R	0.008	0.004	0.001	0.008	0.005	0.003	0.002	0.002
	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 3 Q	-0.017	-0.013	-0.000	-0.001	0.001	0.001	0.003	0.001
	-0.500 0.500	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 4 R	-0.013	0.001	-0.005	-0.007	-0.003	0.001	0.007	0.007
	-0.200 0.200	-0.200 0.200	-0.200 0.200	-0.200 0.200	-0.200 0.200	-0.200 0.200	-0.200 0.200	-0.200 0.200
Coil 4 Q	-0.019	-0.008	-0.006	-0.005	-0.005	-0.010	-0.003	0.001
	-1.000 1.000	-0.400 0.400	-0.200 0.200	-0.200 0.200	-0.200 0.200	-0.200 0.200	-0.200 0.200	-0.200 0.200
Coil 5 R	-0.011	-0.007	0.006	0.004	0.005	0.002	-0.002	-0.000
	-0.400 0.400	-0.400 0.400	-0.400 0.400	-0.400 0.400	-0.400 0.400	-0.400 0.400	-0.400 0.400	-0.400 0.400
Coil 5 Q	-0.008	-0.003	-0.014	-0.002	0.007	-0.001	0.000	-0.006
	-2.000 2.000	-0.800 0.800	-0.400 0.400	-0.400 0.400	-0.400 0.400	-0.400 0.400	-0.400 0.400	-0.400 0.400
Coil 6 R	-0.003	-0.018	-0.002	-0.018	0.010	-0.001	0.043	0.020
	-1.000 1.000	-1.000 1.000	-1.000 1.000	-1.000 1.000	-1.000 1.000	-1.000 1.000	-1.000 1.000	-1.000 1.000
Coil 6 Q	0.016	-0.005	0.002	-0.021	-0.025	-0.023	-0.006	-0.006
	-5.000 5.000	-2.000 2.000	-1.000 1.000	-1.000 1.000	-1.000 1.000	-1.000 1.000	-1.000 1.000	-1.000 1.000

ELEC. GAINS	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	126.18	124.69	122.32	118.51	114.20	108.25	101.49	93.32
	100.00 150.00	100.00 150.00	98.00 150.00	96.00 140.00	92.00 140.00	87.00 130.00	82.00 120.00	76.00 110.00
Coil 0 P	7.754	24.350	40.644	56.903	73.199	89.547	105.809	122.161
	6.000 9.000	19.000 28.000	32.000 47.000	44.000 66.000	57.000 85.000	70.000 100.000	82.000 120.000	95.000 140.000
Coil 1 M	218.21	215.74	211.72	205.67	198.22	188.29	177.13	163.19
	180.00 270.00	180.00 270.00	170.00 260.00	170.00 250.00	160.00 250.00	160.00 230.00	150.00 220.00	140.00 200.00

Coil 1 P	7.678 6.000 9.000	24.091 19.000 28.000	40.183 32.000 48.000	56.273 45.000 67.000	72.405 57.000 86.000	88.640 70.000 110.000	104.764 83.000 120.000	120.994 96.000 140.000
Coil 2 M	434.66 360.00 540.00	429.18 380.00 540.00	420.13 350.00 530.00	406.80 340.00 510.00	390.39 330.00 500.00	369.24 310.00 470.00	345.60 300.00 440.00	317.09 270.00 410.00
Coil 2 P	8.046 6.000 9.000	25.186 19.000 29.000	41.787 32.000 49.000	58.740 45.000 67.000	75.450 58.000 87.000	92.220 71.000 110.000	108.778 84.000 130.000	125.458 96.000 140.000
Coil 3 M	707.96 590.00 880.00	700.25 580.00 870.00	688.02 570.00 850.00	668.93 550.00 830.00	645.26 530.00 800.00	613.30 500.00 760.00	576.48 470.00 710.00	531.10 440.00 650.00
Coil 3 P	7.844 6.000 10.000	24.600 20.000 29.000	41.062 33.000 49.000	57.547 46.000 69.000	74.110 59.000 89.000	90.827 72.000 110.000	107.417 85.000 130.000	124.109 98.000 150.000
Coil 4 M	1136.8 900.0 1400.0	1122.4 900.0 1300.0	1099.8 900.0 1300.0	1065.7 850.0 1300.0	1025.9 800.0 1200.0	973.6 800.0 1200.0	916.6 750.0 1100.0	846.9 700.0 1000.0
Coil 4 P	8.042 6.000 10.000	25.193 20.000 30.000	41.937 33.000 50.000	58.655 46.000 70.000	75.298 60.000 90.000	91.985 73.000 110.000	108.539 86.000 130.000	125.184 99.000 150.000
Coil 5 M	2330.5 1900.0 2800.0	2301.1 1800.0 2800.0	2251.7 1800.0 2700.0	2177.8 1800.0 2600.0	2089.4 1700.0 2500.0	1974.3 1600.0 2400.0	1846.2 1500.0 2200.0	1692.2 1400.0 2100.0
Coil 5 P	8.477 6.000 10.000	26.474 20.000 31.000	44.101 34.000 51.000	61.699 48.000 72.000	79.239 62.000 93.000	96.860 76.000 110.000	114.273 89.000 130.000	131.771 100.000 150.000
Coil 6 M	5951.7 4700.0 7100.0	5857.4 4700.0 7000.0	5703.9 4600.0 6900.0	5484.0 4400.0 6600.0	5228.2 4200.0 6400.0	4915.0 4000.0 6000.0	4581.2 3700.0 5600.0	4199.9 3400.0 5100.0
Coil 6 P	8.468 7.000 10.000	26.693 22.000 32.000	44.395 36.000 54.000	61.889 51.000 76.000	79.206 65.000 98.000	96.444 80.000 120.000	113.348 94.000 140.000	130.308 110.000 160.000

AM Factor	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	423 -200 800	-119 -500 200	-189 -600 100	-208 -600 50	-215 -500 20	-216 -500 20	-216 -500 20	-215 -500 20
Coil 0 Q	2097 -3000 6000	760 -1000 2000	426 -1000 1200	263 -500 900	161 -400 700	87 -400 600	29 -400 500	-19 -400 400
Coil 1 R	548 450 650	76 20 130	13 -30 60	-8 -50 40	-19 -55 30	-24 -60 20	-27 -60 10	-29 -60 10
Coil 1 Q	1185 0 2500	476 0 900	297 0 600	213 0 450	162 0 350	128 0 300	104 0 250	85 0 250
Coil 2 R	194.9 140.0 230.0	33.9 0.0 51.0	12.6 -10.0 25.0	4.9 -15.0 15.0	1.0 -16.0 10.0	-1.4 -16.0 7.0	-3.3 -16.0 5.0	-4.1 -16.0 3.0
Coil 2 Q	316.1 -200.0 1000.0	135.3 0.0 350.0	89.1 0.0 220.0	68.0 0.0 160.0	56.2 0.0 130.0	48.8 0.0 110.0	43.6 0.0 100.0	39.9 0.0 90.0
Coil 3 R	48.3 37.0 62.0	8.6 0.0 12.0	3.1 -3.0 6.0	1.2 -4.0 4.0	0.1 -5.0 2.0	-1.1 -5.0 1.0	-1.7 -6.0 1.0	-1.8 -6.0 1.0
Coil 3 Q	58.0 -140.0 280.0	29.8 -40.0 100.0	23.1 -20.0 70.0	21.1 -10.0 60.0	20.8 -10.0 50.0	21.2 -10.0 50.0	21.5 -10.0 50.0	22.2 -10.0 50.0
Coil 4 R	10.09 2.00 18.00	1.06 -3.00 6.00	-0.41 -3.50 3.00	-0.92 -3.90 2.00	-1.12 -4.20 2.00	-1.32 -4.50 2.00	-1.35 -4.70 2.00	-1.32 -5.00 2.00
Coil 4 Q	8.58 -100.00 100.00	8.06 -30.00 50.00	8.96 -20.00 40.00	10.58 -10.00 40.00	12.63 -10.00 40.00	14.51 -10.00 45.00	16.71 -10.00 50.00	18.80 -10.00 60.00
Coil 5 R	1.01 -2.00 5.80	-0.35 -3.20 2.40	-0.75 -4.50 3.10	-0.89 -4.70 3.20	-0.96 -4.80 3.20	-1.00 -5.00 3.30	-1.08 -5.20 3.40	-1.15 -5.40 3.50
Coil 5 Q	5.96 -60.00 70.00	5.69 -20.00 30.00	7.18 -20.00 30.00	9.06 -20.00 35.00	11.21 -20.00 45.00	13.21 -20.00 50.00	15.35 -20.00 60.00	17.38 -30.00 70.00
Coil 6 R	-2.03 -4.80 1.00	-0.85 -5.70 3.80	-0.81 -6.50 4.90	-0.77 -6.90 5.40	-0.75 -7.30 5.80	-0.78 -7.50 6.00	-0.67 -7.70 6.10	-0.73 -7.90 6.30
Coil 6 Q	-0.96 -30.00 30.00	2.43 -20.00 25.00	5.11 -20.00 35.00	7.32 -30.00 50.00	9.65 -35.00 60.00	11.88 -40.00 70.00	14.16 -50.00 80.00	16.42 -60.00 100.00

MM Factor	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	1.030 0.900 1.100	1.028 0.900 1.100	1.025 0.900 1.100	1.024 0.900 1.100	1.025 0.900 1.100	1.022 0.900 1.100	1.021 0.900 1.100	1.023 0.900 1.100
Coil 0 P	0.040 -2.000 2.000	0.137 -2.000 2.000	0.262 -2.000 2.000	0.214 -2.000 2.000	0.183 -2.000 2.000	0.202 -2.000 2.000	0.093 -2.000 2.000	0.203 -2.000 2.000
Coil 1 M	1.023 0.900 1.100	1.021 0.900 1.100	1.017 0.900 1.100	1.016 0.900 1.100	1.014 0.900 1.100	1.012 0.900 1.100	1.011 0.900 1.100	1.010 0.900 1.100
Coil 1 P	0.094 -2.000 2.000	0.253 -2.000 2.000	0.333 -2.000 2.000	0.354 -2.000 2.000	0.344 -2.000 2.000	0.311 -2.000 2.000	0.230 -2.000 2.000	0.206 -2.000 2.000
Coil 2 M	1.024 0.900 1.100	1.022 0.900 1.100	1.021 0.900 1.100	1.020 0.900 1.100	1.019 0.900 1.100	1.017 0.900 1.100	1.016 0.900 1.100	1.014 0.900 1.100
Coil 2 P	0.032 -2.000 2.000	0.060 -2.000 2.000	0.086 -2.000 2.000	0.129 -2.000 2.000	0.136 -2.000 2.000	0.150 -2.000 2.000	0.069 -2.000 2.000	0.129 -2.000 2.000
Coil 3 M	1.026 0.900 1.100	1.025 0.900 1.100	1.025 0.900 1.100	1.023 0.900 1.100	1.023 0.900 1.100	1.022 0.900 1.100	1.023 0.900 1.100	1.023 0.900 1.100
Coil 3 P	0.039 -2.000 2.000	0.049 -2.000 2.000	0.083 -2.000 2.000	0.080 -2.000 2.000	0.056 -2.000 2.000	-0.005 -2.000 2.000	-0.025 -2.000 2.000	0.016 -2.000 2.000
Coil 4 M	1.044 0.900 1.100	1.043 0.900 1.100	1.043 0.900 1.100	1.042 0.900 1.100	1.043 0.900 1.100	1.041 0.900 1.100	1.041 0.900 1.100	1.040 0.900 1.100
Coil 4 P	0.100 -2.000 2.000	0.191 -2.000 2.000	0.184 -2.000 2.000	0.160 -2.000 2.000	0.168 -2.000 2.000	0.158 -2.000 2.000	0.124 -2.000 2.000	0.079 -2.000 2.000
Coil 5 M	1.058 0.900 1.100	1.058 0.900 1.100	1.058 0.900 1.100	1.056 0.900 1.100	1.056 0.900 1.100	1.057 0.900 1.100	1.056 0.900 1.100	1.055 0.900 1.100
Coil 5 P	0.070 -2.000 2.000	0.011 -2.000 2.000	0.033 -2.000 2.000	0.039 -2.000 2.000	-0.005 -2.000 2.000	-0.063 -2.000 2.000	-0.080 -2.000 2.000	-0.091 -2.000 2.000

CONFIDENTIAL

Coil 6 M	1.029 0.900 1.100	1.030 0.900 1.100	1.029 0.900 1.100	1.026 0.900 1.100	1.027 0.900 1.100	1.031 0.900 1.100	1.031 0.900 1.100	1.030 0.900 1.100
Coil 6 P	0.015 -2.000 2.000	0.167 -2.000 2.000	0.136 -2.000 2.000	0.212 -2.000 2.000	0.140 -2.000 2.000	0.069 -2.000 2.000	0.059 -2.000 2.000	-0.061 -2.000 2.000

PARMS	TCMD	TCDI	Cal Temp (degF)	T Factor
IDs	1.571	0.756	92.2	1.04

HDIL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1515MA 185566 DATE/TIME PERFORMED: Wed Sep 1 03:56:18 2010 DAYS SINCE CAL: 77

UNIT #: 3885TC HL6685

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	0.005 -0.100 0.100	0.006 -0.100 0.100	0.007 -0.100 0.100	0.009 -0.100 0.100	0.010 -0.100 0.100	0.010 -0.100 0.100	0.007 -0.100 0.100
Coil 0 Q	0.002 -1.000 1.000	0.003 -0.200 0.200	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.000 -0.100 0.100	-0.000 -0.100 0.100	0.000 -0.100 0.100	0.003 -0.100 0.100
Coil 1 R	0.000 -0.200 0.200	0.003 -0.100 0.100	0.006 -0.100 0.100	0.007 -0.100 0.100	0.009 -0.100 0.100	0.009 -0.100 0.100	0.008 -0.100 0.100	0.003 -0.100 0.100
Coil 1 Q	-0.002 -1.000 1.000	0.002 -0.200 0.200	-0.003 -0.100 0.100	-0.003 -0.100 0.100	0.000 -0.100 0.100	0.002 -0.100 0.100	0.003 -0.100 0.100	0.005 -0.100 0.100
Coil 2 R	0.007 -0.200 0.200	0.005 -0.100 0.100	0.006 -0.100 0.100	0.003 -0.100 0.100	0.006 -0.100 0.100	0.005 -0.100 0.100	0.008 -0.100 0.100	0.014 -0.100 0.100
Coil 2 Q	-0.005 -1.000 1.000	-0.005 -0.200 0.200	-0.004 -0.100 0.100	-0.003 -0.100 0.100	-0.005 -0.100 0.100	-0.006 -0.100 0.100	-0.005 -0.100 0.100	-0.003 -0.100 0.100
Coil 3 R	0.002 -0.100 0.100	0.006 -0.100 0.100	0.009 -0.100 0.100	0.010 -0.100 0.100	0.009 -0.100 0.100	0.007 -0.100 0.100	0.009 -0.100 0.100	0.008 -0.100 0.100
Coil 3 Q	-0.008 -0.500 0.500	-0.010 -0.200 0.200	-0.002 -0.100 0.100	-0.005 -0.100 0.100	0.000 -0.100 0.100	0.002 -0.100 0.100	-0.001 -0.100 0.100	-0.000 -0.100 0.100
Coil 4 R	-0.005 -0.200 0.200	0.005 -0.200 0.200	0.007 -0.200 0.200	0.004 -0.200 0.200	0.005 -0.200 0.200	0.014 -0.200 0.200	0.015 -0.200 0.200	0.013 -0.200 0.200
Coil 4 Q	-0.010 -1.000 1.000	-0.002 -0.400 0.400	-0.007 -0.200 0.200	-0.010 -0.200 0.200	-0.004 -0.200 0.200	-0.010 -0.200 0.200	-0.005 -0.200 0.200	0.002 -0.200 0.200
Coil 5 R	-0.009 -0.400 0.400	0.005 -0.400 0.400	0.012 -0.400 0.400	0.011 -0.400 0.400	0.012 -0.400 0.400	0.007 -0.400 0.400	0.006 -0.400 0.400	0.007 -0.400 0.400
Coil 5 Q	-0.005 -2.000 2.000	-0.004 -0.800 0.800	-0.001 -0.400 0.400	-0.007 -0.400 0.400	0.002 -0.400 0.400	-0.002 -0.400 0.400	-0.004 -0.400 0.400	0.000 -0.400 0.400
Coil 6 R	0.004 -1.000 1.000	-0.026 -1.000 1.000	-0.037 -1.000 1.000	-0.004 -1.000 1.000	-0.013 -1.000 1.000	0.005 -1.000 1.000	0.007 -1.000 1.000	0.010 -1.000 1.000
Coil 6 Q	-0.033 -5.000 5.000	0.002 -2.000 2.000	-0.007 -1.000 1.000	-0.031 -1.000 1.000	-0.034 -1.000 1.000	-0.049 -1.000 1.000	-0.006 -1.000 1.000	-0.002 -1.000 1.000

ELEC. GAINS	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	126.45 100.00 150.00	124.98 100.00 150.00	122.51 98.00 150.00	118.91 96.00 140.00	114.34 92.00 140.00	108.47 87.00 130.00	101.66 82.00 120.00	93.48 76.00 110.00
Coil 0 P	7.814 6.000 9.000	24.514 19.000 28.000	40.877 32.000 47.000	57.236 44.000 66.000	73.595 57.000 85.000	90.076 70.000 100.000	106.439 82.000 120.000	122.816 95.000 140.000
Coil 1 M	217.07 180.00 270.00	214.59 180.00 270.00	210.47 170.00 260.00	204.40 170.00 250.00	196.96 160.00 250.00	187.12 160.00 230.00	175.93 150.00 220.00	162.24 140.00 200.00
Coil 1 P	7.830 6.000 9.000	24.522 19.000 28.000	40.879 32.000 48.000	57.268 45.000 67.000	73.641 57.000 86.000	90.090 70.000 110.000	106.562 83.000 120.000	123.045 96.000 140.000
Coil 2 M	435.63 360.00 540.00	430.10 360.00 540.00	420.78 350.00 530.00	407.52 340.00 510.00	390.90 330.00 500.00	369.99 310.00 470.00	345.97 300.00 440.00	317.64 270.00 410.00
Coil 2 P	8.029 6.000 9.000	25.117 19.000 29.000	41.856 32.000 48.000	58.544 45.000 67.000	75.181 58.000 87.000	91.894 71.000 110.000	108.417 84.000 130.000	124.996 96.000 140.000
Coil 3 M	707.11 590.00 880.00	699.37 580.00 870.00	686.66 570.00 850.00	667.79 550.00 830.00	643.91 530.00 800.00	612.23 500.00 760.00	575.13 470.00 710.00	529.87 440.00 650.00
Coil 3 P	7.976 6.000 10.000	24.963 20.000 29.000	41.653 33.000 49.000	58.373 48.000 69.000	75.147 59.000 89.000	92.061 72.000 110.000	108.914 85.000 130.000	125.860 98.000 150.000
Coil 4 M	1139.5 900.0 1400.0	1125.1 900.0 1300.0	1101.6 900.0 1300.0	1067.7 850.0 1300.0	1026.4 800.0 1200.0	974.8 800.0 1200.0	916.5 750.0 1100.0	847.3 700.0 1000.0
Coil 4 P	8.027 6.000 10.000	25.141 20.000 30.000	41.863 33.000 50.000	58.515 46.000 70.000	75.098 60.000 90.000	91.744 73.000 110.000	108.279 86.000 130.000	124.888 99.000 150.000
Coil 5 M	2329.2 1900.0 2800.0	2298.9 1800.0 2800.0	2248.5 1800.0 2700.0	2175.1 1800.0 2600.0	2084.9 1700.0 2500.0	1970.6 1600.0 2400.0	1841.4 1500.0 2200.0	1688.0 1400.0 2100.0
Coil 5 P	8.470 6.000 10.000	26.445 20.000 31.000	44.051 34.000 51.000	61.605 48.000 72.000	79.125 61.000 93.000	96.687 76.000 110.000	114.123 89.000 130.000	131.565 100.000 150.000
Coil 6 M	5933.9 4700.0 7100.0	583.9 4700.0 7000.0	5680.9 4600.0 6900.0	5422.5 4400.0 6600.0	5204.8 4200.0 6400.0	4893.7 4000.0 6000.0	4561.9 3700.0 5800.0	4181.7 3400.0 5100.0
Coil 6 P	8.496 7.000 10.000	26.742 22.000 32.000	44.445 36.000 54.000	61.951 51.000 76.000	79.255 65.000 98.000	96.435 80.000 120.000	113.417 94.000 140.000	130.353 110.000 160.000

HDIL AFTER LOG VERIFICATION SUMMARY

TOOL #: 1515MA 185566 DATE/TIME PERFORMED: Wed Sep 1 05:39:18 2010 DAYS SINCE CAL: 77

UNIT #: 13685TC HI6685

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	0.005 -0.077 0.083	0.006 -0.055 0.065	0.006 -0.024 0.036	0.008 -0.023 0.037	0.007 -0.021 0.039	0.009 -0.020 0.040	0.010 -0.020 0.040	0.007 -0.023 0.037
Coil 0 Q	0.002 -0.038 0.042	0.003 -0.117 0.123	-0.003 -0.031 0.029	-0.002 -0.032 0.028	-0.001 -0.030 0.030	-0.001 -0.030 0.030	0.000 -0.030 0.030	0.002 -0.027 0.033
Coil 1 R	0.001 -0.080 0.080	0.004 -0.047 0.053	0.006 -0.024 0.036	0.008 -0.023 0.037	0.008 -0.021 0.039	0.008 -0.021 0.039	0.008 -0.022 0.038	0.004 -0.027 0.033
Coil 1 Q	-0.000 -0.402 0.398	-0.001 -0.098 0.102	-0.004 -0.033 0.027	-0.002 -0.033 0.027	-0.001 -0.030 0.030	0.002 -0.028 0.032	0.003 -0.027 0.033	0.004 -0.025 0.035
Coil 2 R	0.006 -0.063 0.077	0.006 -0.025 0.035	0.003 -0.024 0.036	0.004 -0.027 0.033	0.005 -0.024 0.036	0.007 -0.025 0.035	0.007 -0.022 0.038	0.012 -0.016 0.044
Coil 2 Q	-0.007 -0.355 0.345	-0.007 -0.105 0.095	-0.001 -0.034 0.026	-0.002 -0.033 0.027	-0.004 -0.035 0.025	-0.005 -0.036 0.024	-0.005 -0.035 0.025	-0.004 -0.033 0.027
Coil 3 R	0.003 -0.038 0.042	0.009 -0.034 0.046	0.011 -0.031 0.049	0.012 -0.030 0.050	0.009 -0.031 0.049	0.006 -0.033 0.047	0.005 -0.031 0.049	0.010 -0.032 0.048
Coil 3 Q	-0.006 -0.208 0.192	-0.011 -0.090 0.070	-0.003 -0.042 0.038	-0.003 -0.045 0.035	-0.002 -0.040 0.040	0.002 -0.038 0.042	0.001 -0.041 0.039	0.000 -0.040 0.040
Coil 4 R	-0.010 -0.085 0.055	0.007 -0.055 0.085	0.003 -0.053 0.067	0.004 -0.056 0.064	0.005 -0.055 0.065	0.012 -0.046 0.074	0.015 -0.045 0.075	0.015 -0.047 0.073
Coil 4 Q	-0.010 -0.310 0.290	0.002 -0.102 0.098	-0.008 -0.067 0.053	-0.007 -0.070 0.050	-0.012 -0.064 0.056	-0.010 -0.070 0.050	-0.004 -0.065 0.055	0.001 -0.058 0.062
Coil 5 R	-0.010 -0.129 0.111	-0.003 -0.115 0.125	0.011 -0.108 0.132	0.016 -0.109 0.131	0.006 -0.108 0.132	0.005 -0.113 0.127	0.007 -0.114 0.126	0.001 -0.113 0.127
Coil 5 Q	-0.001 -0.605 0.595	-0.014 -0.254 0.246	-0.016 -0.121 0.119	-0.001 -0.127 0.113	0.011 -0.118 0.122	-0.000 -0.122 0.118	0.001 -0.124 0.116	0.004 -0.120 0.120
Coil 6 R	0.005 -0.296 0.304	0.003 -0.326 0.274	-0.034 -0.337 0.263	-0.020 -0.304 0.296	-0.030 -0.313 0.287	0.012 -0.295 0.305	0.009 -0.293 0.307	0.019 -0.290 0.310
Coil 6 Q	-0.017 -1.533 1.487	0.011 -0.598 0.602	0.001 -0.307 0.293	0.004 -0.331 0.269	-0.014 -0.334 0.266	-0.025 -0.349 0.251	-0.008 -0.308 0.294	-0.002 -0.302 0.298

ELEC. GAINS	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	126.51 123.92 128.98	125.06 122.48 127.48	122.57 120.06 124.96	118.95 116.53 121.28	114.37 112.05 116.63	108.47 106.30 110.64	101.61 99.62 103.69	93.44 91.61 95.35
Coil 0 P	7.815 4.814 10.814	24.549 21.514 27.514	40.924 37.877 43.877	57.301 54.236 60.236	73.713 70.595 76.595	90.196 87.076 93.076	106.569 103.439 109.439	122.943 119.818 125.818
Coil 1 M	217.16 212.73 221.41	214.70 210.30 218.88	210.54 206.26 214.68	204.48 200.31 208.49	196.99 193.02 200.89	187.16 183.38 190.87	175.82 172.41 179.45	162.06 159.00 165.49
Coil 1 P	7.832 4.830 10.830	24.561 21.522 27.522	40.932 37.879 43.879	57.333 54.268 60.268	73.721 70.641 76.641	90.248 87.090 93.090	106.692 103.562 109.562	123.187 120.045 126.045
Coil 2 M	435.89 426.92 444.34	430.37 421.50 438.70	420.95 412.36 429.19	407.68 399.37 415.67	390.87 383.09 398.72	369.86 362.59 377.39	345.94 339.05 352.89	317.14 311.28 323.99
Coil 2 P	8.035 5.029 11.029	25.163 22.117 28.117	41.910 38.856 44.856	58.629 55.544 61.544	75.270 72.181 78.181	92.029 88.894 94.894	108.571 105.417 111.417	125.110 121.996 127.996
Coil 3 M	707.69 692.97 721.25	700.04 685.39 713.36	687.10 672.93 700.40	668.34 654.44 681.15	644.23 631.03 656.78	612.46 599.98 624.47	575.06 563.62 586.63	529.64 519.27 540.47
Coil 3 P	7.979 4.976 10.976	25.001 21.963 27.963	41.706 38.653 44.653	58.444 55.373 61.373	75.234 72.147 78.147	92.195 89.061 95.061	109.069 105.914 111.914	126.015 122.860 128.860
Coil 4 M	1140.2 1116.7 1162.3	1125.8 1102.6 1147.6	1102.0 1079.6 1123.7	1068.2 1048.3 1089.1	1026.5 1005.9 1047.0	974.7 955.3 994.3	916.1 898.2 934.9	846.4 830.4 864.2
Coil 4 P	8.033 5.027 11.027	25.187 22.141 28.141	41.934 38.883 44.883	58.604 55.515 61.515	75.196 72.098 78.098	91.884 88.744 94.744	108.439 105.279 111.279	125.040 121.888 127.888
Coil 5 M	2331.2 2282.6 2375.8	2301.2 2252.9 2344.9	2250.3 2203.5 2293.5	2177.1 2131.6 2218.6	2086.1 2043.2 2126.6	1971.4 1931.2 2010.1	1841.3 1804.5 1878.2	1687.3 1654.3 1721.8
Coil 5 P	8.473 5.470 11.470	26.487 23.445 29.445	44.108 41.051 47.051	61.693 58.605 64.605	79.241 76.125 82.125	96.842 93.687 99.687	114.291 111.123 117.123	131.739 128.565 134.565
Coil 6 M	5932.7 5815.2 6052.5	5837.6 5721.2 5954.7	5678.7 5567.3 5794.5	5458.5 5353.2 5571.7	5199.3 5100.8 5308.9	4887.2 4795.8 4991.6	4554.4 4470.7 4653.1	4170.8 4098.0 4265.3
Coil 6 P	8.503 5.496 11.496	26.798 23.742 29.742	44.531 41.445 47.445	62.070 58.951 64.951	79.395 76.255 82.255	96.617 93.435 99.435	113.598 110.417 116.417	130.526 127.353 133.353

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INSTRUMENT CONFIGURATION

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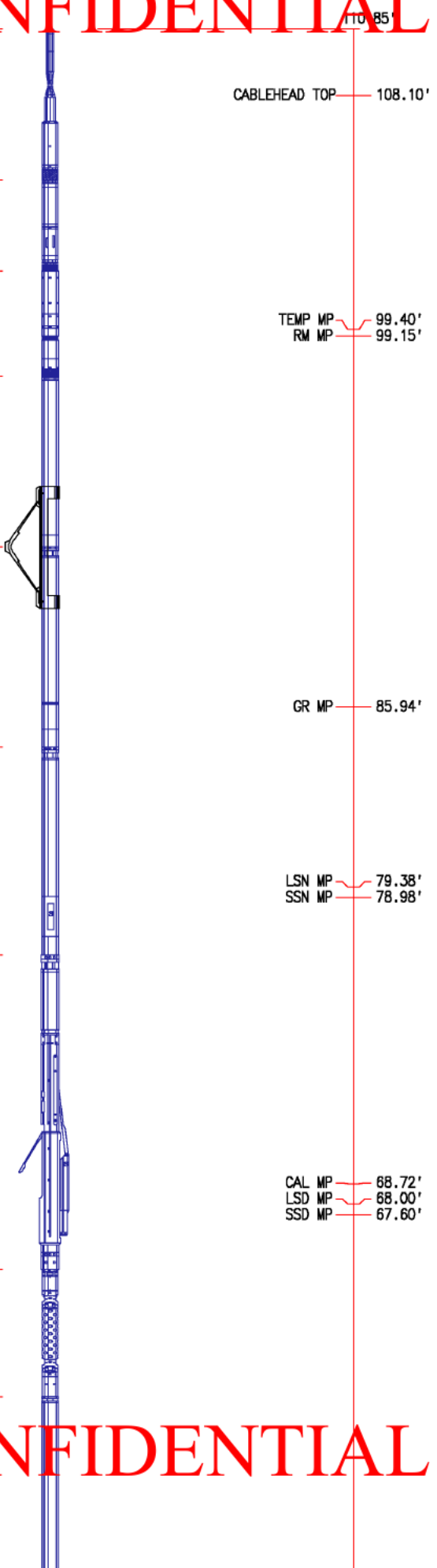

CABLEHEAD
- Diameter : 3.38"
- Length : 5.50'
- Weight : 24 lbs
- Series : CABL338
- Mnemonic : CBLH
- Measure Point: 2.75': CABLEHEAD TOP

SWIVEL
- Diameter : 3.38"
- Length : 3.50'
- Weight : 68 lbs
- Series : 3944XD

TTRM SUB
- Diameter : 3.63"
- Length : 3.83'
- Weight : 62 lbs
- Series : 3981XA
- Mnemonic : TTRM

WTS COMMON REMOTE
- Diameter : 3.63"
- Length : 6.36'
- Weight : 126 lbs
- Series : 3514XB
- Mnemonic : WTS

DIGITAL SPECTRALOG
- Diameter : 3.63"
- Length : 7.31'
- Weight : 130 lbs
- Series : 1329XA
- Mnemonic : DSL
- Measure Point: 1.60': GR MP

COMPENSATED NEUTRON
- Diameter : 3.63"
- Length : 7.59'
- Weight : 150 lbs
- Series : 2446XA
- Mnemonic : CN
- Measure Point: 2.63': LSN MP
- Measure Point: 2.24': SSN MP

Z-DENSILOG
- Diameter : 4.88"
- Length : 11.22'
- Weight : 360 lbs
- Series : 2234XA
- Mnemonic : ZDL
- Measure Point: 3.19': CAL MP
- Measure Point: 2.47': LSD MP
- Measure Point: 2.07': SSD MP

KNUCKLE JOINT (DOUBLE)
- Diameter : 3.38"
- Length : 4.65'
- Weight : 90 lbs
- Series : 3939XA
- Mnemonic : KNJT

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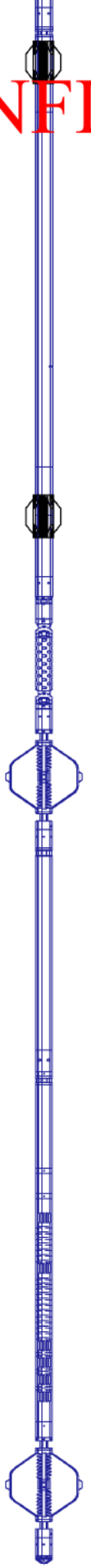

HIGH DEFINITION INDUCTION TOOL
- Diameter : 3.62"
- Length : 27.13'
- Weight : 415 lbs
- Series : 1515XA
- Mnemonic : HDIL
- Measure Point: 13.91': SP MP
- Measure Point: 7.44': XMTR MP

SP MP — 47.65'

XMTR MP — 41.18'

KNUCKLE JOINT (DOUBLE)
- Diameter : 3.38"
- Length : 4.65'
- Weight : 90 lbs
- Series : 3939XA
- Mnemonic : KNJT

4 ARM BOW SPRING CENTRALIZER
- Diameter : 3.38"
- Length : 4.12'
- Weight : 72 lbs
- Series : 4341XA
- Mnemonic : CENT

ARRAY ACOUSTILOG ELECTRONICS, 8 CHANNEL
- Diameter : 3.38"
- Length : 7.82'
- Weight : 102 lbs
- Series : 1677EA
- Mnemonic : XMAC

DIGITAL ACOUSTILOG
- Diameter : 3.38"
- Length : 12.76'
- Weight : 145 lbs
- Series : 1680MA
- Mnemonic : DAL
- Measure Point: 7.95': T1 MP
- Measure Point: 5.95': T2 MP
- Measure Point: 2.95': R1 MP

T1 MP — 12.35'

T2 MP — 10.35'

R1 MP — 7.35'

4 ARM BOW SPRING CENTRALIZER
- Diameter : 3.38"
- Length : 4.12'
- Weight : 72 lbs
- Series : 4341XA
- Mnemonic : CENT

BULL PLUG 3 3/8

0.00'

TOTAL LENGTH: 110.85'
TOTAL WEIGHT: 1927 lbs
MAX DIAMETER: 0'4.88"

CONFIDENTIAL

BAKER HUGHES

Baker Atlas

EOLIPS

COMPANY	BRIDGE ENERGY, INC.	FILE NO: 15256
WELL	WHITE 1-10	
FIELD	HAMILTON PROSPECT	API NO:
COUNTY	PAYETTE STATE IDAHO	

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LOCATION:

SEC 10 TWP 7N RGE 4W

ELEVATIONS:

KB 2283 FT

DF

GL 2260 FT

DATE 01-Sep-2010

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