BAKER HUGHES

Baker Atlas

HIGH DEFINITION INDUCTION LOG [B1]
COMPENSATED Z-DENSILOG [B1]
COMPENSATED NEUTRON LOG
GAMMA RAY LOG
CALIPER LOG

FILE NO:	COMPANY	BRIDGE ENERGY	
API NO: 11-075-20017	WELL	MAY 1-13	
	FIELD	WILDCAT	
	COUNTY	PAYETTE	STATE IDAHO
Ver. 3.87	LOCATION: NW/4 NE/4	SEC 13 TWP 8N RGE 5W	OTHER SERVICES: XMAC, SWC

PERMANENT DATUM	G.L.	ELEVATION	2169.8 FT	ELEVATIONS: KB	2186.8 FT
LOG MEASURED FROM	K.B.	17.0 FT	ABOVE P.D.	DF	
DRILL. MEAS. FROM	K.B.			GL	2169.8 FT

DATE		02-OCT-2010			
RUN	TRIP	1	1		
SERVICE ORDER		595631			
DEPTH DRILLER		6512 FT			
DEPTH LOGGER		6492 FT			
BOTTOM LOGGED INTERVAL		6442 FT			
TOP LOGGED INTERVAL		630 FT			
CASING DRILLER		9.625 IN @ 630 FT		@	
CASING LOGGER		630 FT			
BIT SIZE		8.75 IN			
TYPE OF FLUID IN HOLE		S.B.M.			
DENSITY	VISCOSITY	9.5 LB/G	62 S		
PH	FLUID LOSS	NA	NA		
SOURCE OF SAMPLE		CIRCULATION TANK			
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 @ 260 DEGF		@	
TIME SINCE CIRCULATION		17 HOURS			
MAX. RECORDED TEMP.		260 DEGF			
EQUIP. NO.	LOCATION	ML-4232	FALLON		
RECORDED BY		VERCIMAK			
WITNESSED BY		C. NERUD / RON RICHARDS			

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 5.50" CASING (BVOL, CVOL UNITS IN CUBIC FEET)
CALIPER VERIFIED IN CASING

RHO M = 2.65 G/CC RHO F = 0.9 G/CC
MATRIX = SANDSTONE
DELT M = 51.3 MICS/FT

THANKS FOR USING BAKER ATLAS
CREW: LAPOINT / DANKLEFSEN
RIG: RAZORBACK

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	MTS	3514XB	10197861	FREE
1	1	GR	1328XB	10203301	DECENTRALIZED
1	1	CN	2446XA	10183301	DECENTRALIZED
1	1	ZDL	22XXA	10292572	DECENTRALIZED / PAD

1	1	KNCKL	3939KA	10143909	FREE
1	1	HDIL	1515EA / MA	10340485 / 10307148	1.5" STANDOFFS
1	1	CENT	4341KA	10182501	CENTRALIZED 4-ARM
1	1	XMAC	1677EA / 1678MC	10076813 / 10338526	CENTRALIZED
1	1	ISO	1678PB	10200307	FREE
1	1	XMAC	1678BA / FA	10109348 / 370675	CENTRALIZED

MAIN LOG 5"/100FT SCALE

ECLIPS 6.1f Aug 06, 2010 Sat Oct 2 16:02:43 2010

Parpit /main/62 Cplot Pdf_Cpp /main/16 Flexview 5.50

PARAMETER AND FILTER SUMMARY REPORT

File: /data/505631/m771104.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 5031.740 ft BOTTOM DEPTH: 6507.405 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 (.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) TOP	BOTTOM
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	5.500	in	TOP	BOTTOM
	CASING THICKNESS	0.000	in	''	''
BIT SIZE	BIT SIZE	6.750	in	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		''	''
	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	6.750	in	''	''
	FIXED DIAMETER (mbh*)	6.750	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)	
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		''	''

PARAMETER AND FILTER SUMMARY REPORT

File: /dat1a/505831/m777r01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 571.750 ft BOTTOM DEPTH: 5537.750 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 (hrd1s*)	medium		''	''
	FILTER (hrd2*)	medium		''	''
	FILTER (hrd2s*)	medium		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
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)	
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	Oct 2 12:00:11 2010	BIT SIZE
F1:BVOL	Oct 2 12:00:11 2010	BOREHOLE VOLUME

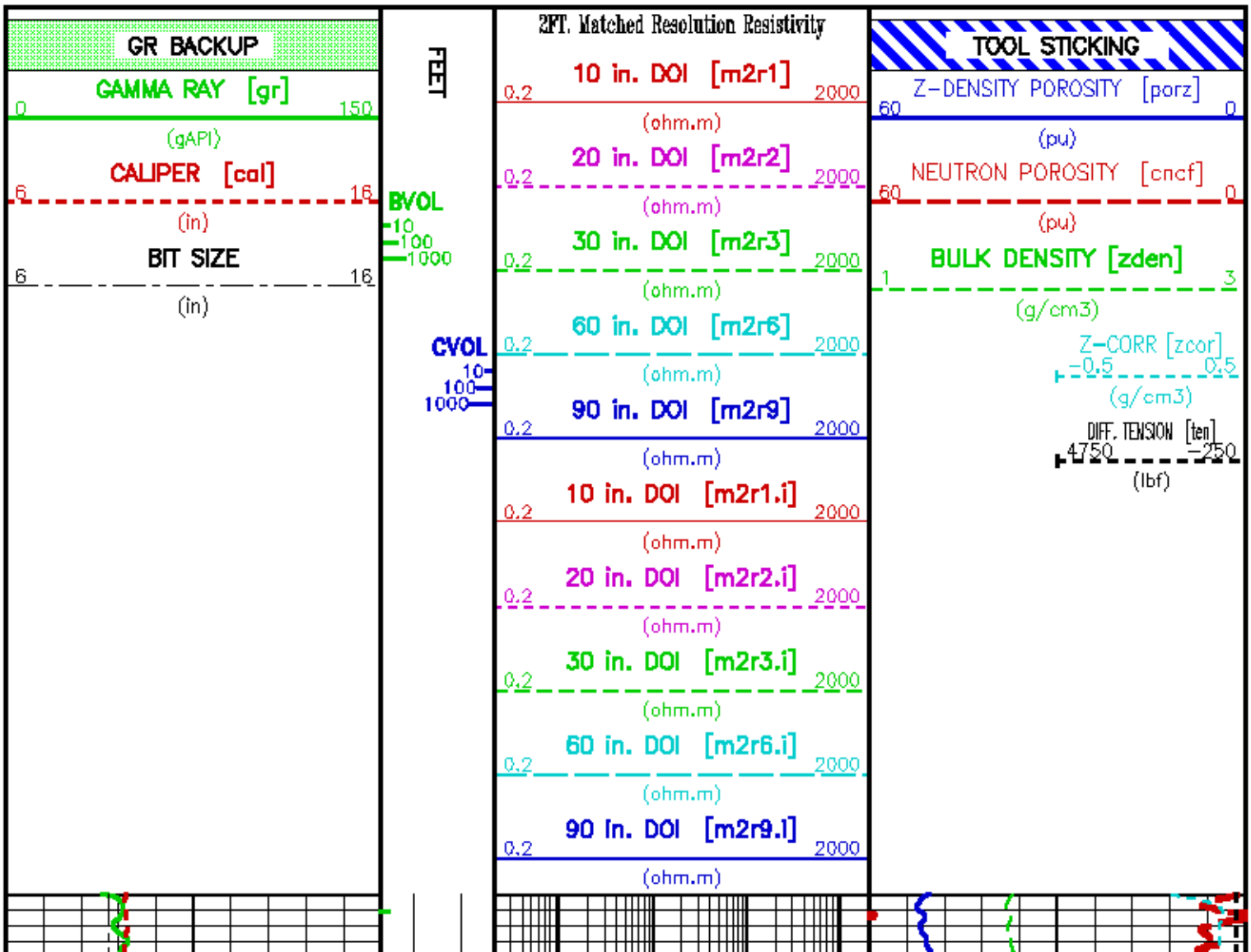
F1:CAL	Oct 2 12:00:11 2010	CALIPER
F1:CNCF	Oct 2 12:00:11 2010	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Oct 2 12:00:11 2010	CEMENT VOLUME
F1:GR	Oct 2 12:00:11 2010	GAMMA RAY
F1:M2R1	Oct 2 12:00:11 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Oct 2 12:00:11 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Oct 2 12:00:11 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Oct 2 12:00:11 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Oct 2 12:00:11 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PORZ	Oct 2 12:00:11 2010	POROSITY FOR SELECTABLE MATRIX
F1:TEN	Oct 2 12:00:11 2010	DIFFERENTIAL TENSION
F1:ZCOR	Oct 2 12:00:11 2010	DENSITY CORRECTION
F1:ZDEN	Oct 2 12:00:11 2010	FORMATION BULK DENSITY

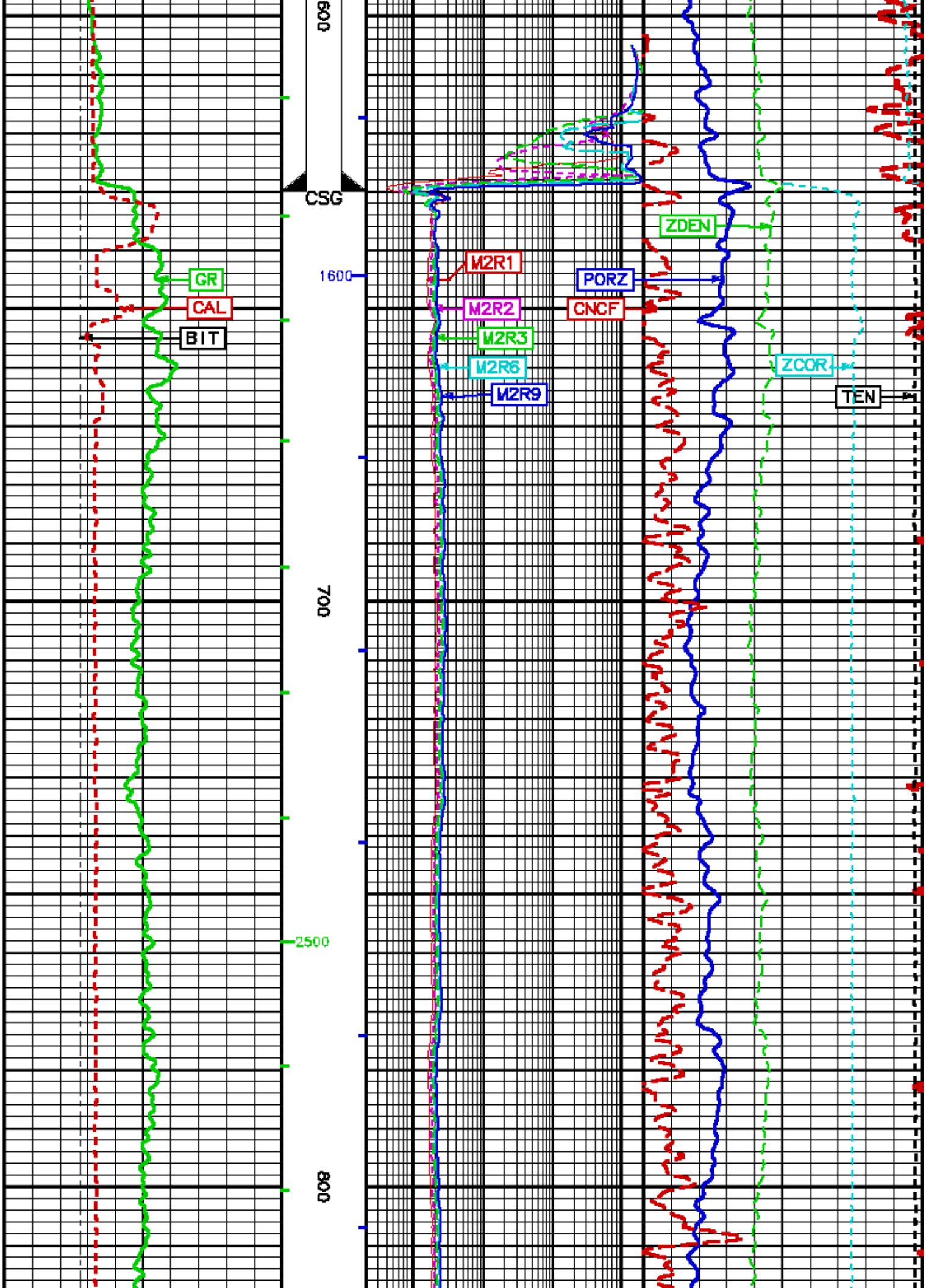
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M2R1QI	49.50	M2R6	48.00	TEN	0.00
CAL	75.00	M2R2	48.00	M2R6QI	49.50	ZCOR	74.25
CNCF	85.25	M2R2QI	49.50	M2R9	48.00	ZDEN	74.25
GR	92.25	M2R3	48.00	M2R9QI	49.50		
M2R1	48.00	M2R3QI	49.50	PORZ	74.25		

Presentation : rice4232:/dat1a/395631/SLAM_MAIN.pdf [5"/100' Scale]
Plot Interval : 590 – 6506 Feet

Data File 1 : F1 : rice4232:/dat1a/395631/GSLAM.xif
Created On : Oct 2 08:03:47 2010
Company : BRIDGE ENERGY
Well : MAY 1-13
Field : WILDCAT
File Interval : 473.5 – 6506 Feet
Out : m777r

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700
2500
800
GR
CAL
BIT
M2R1
M2R2
M2R3
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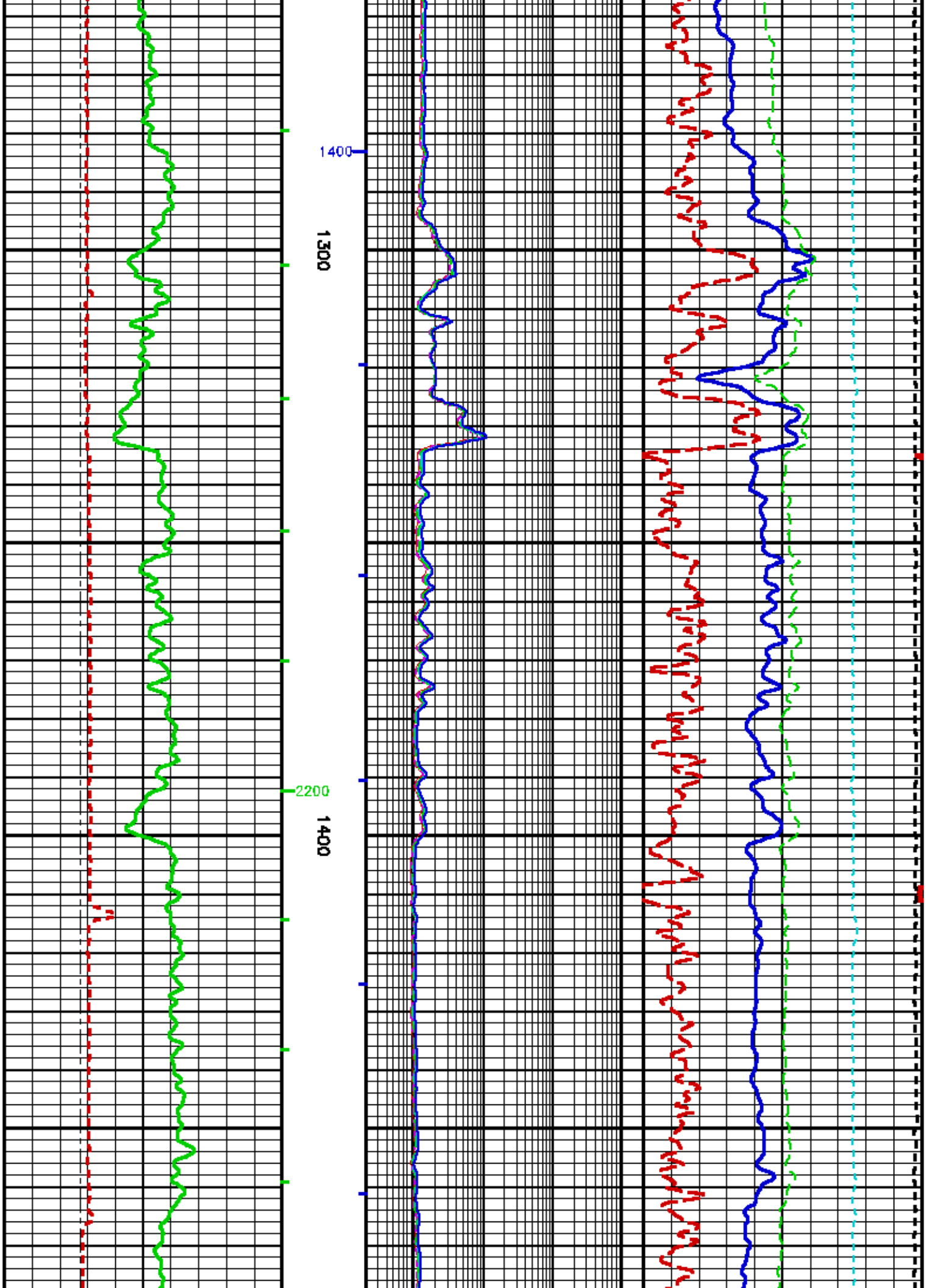
M2R9
PORZ
CNCF
ZDEN
ZCOR
TEN

900
2400
1500
1000

1100
2300
1200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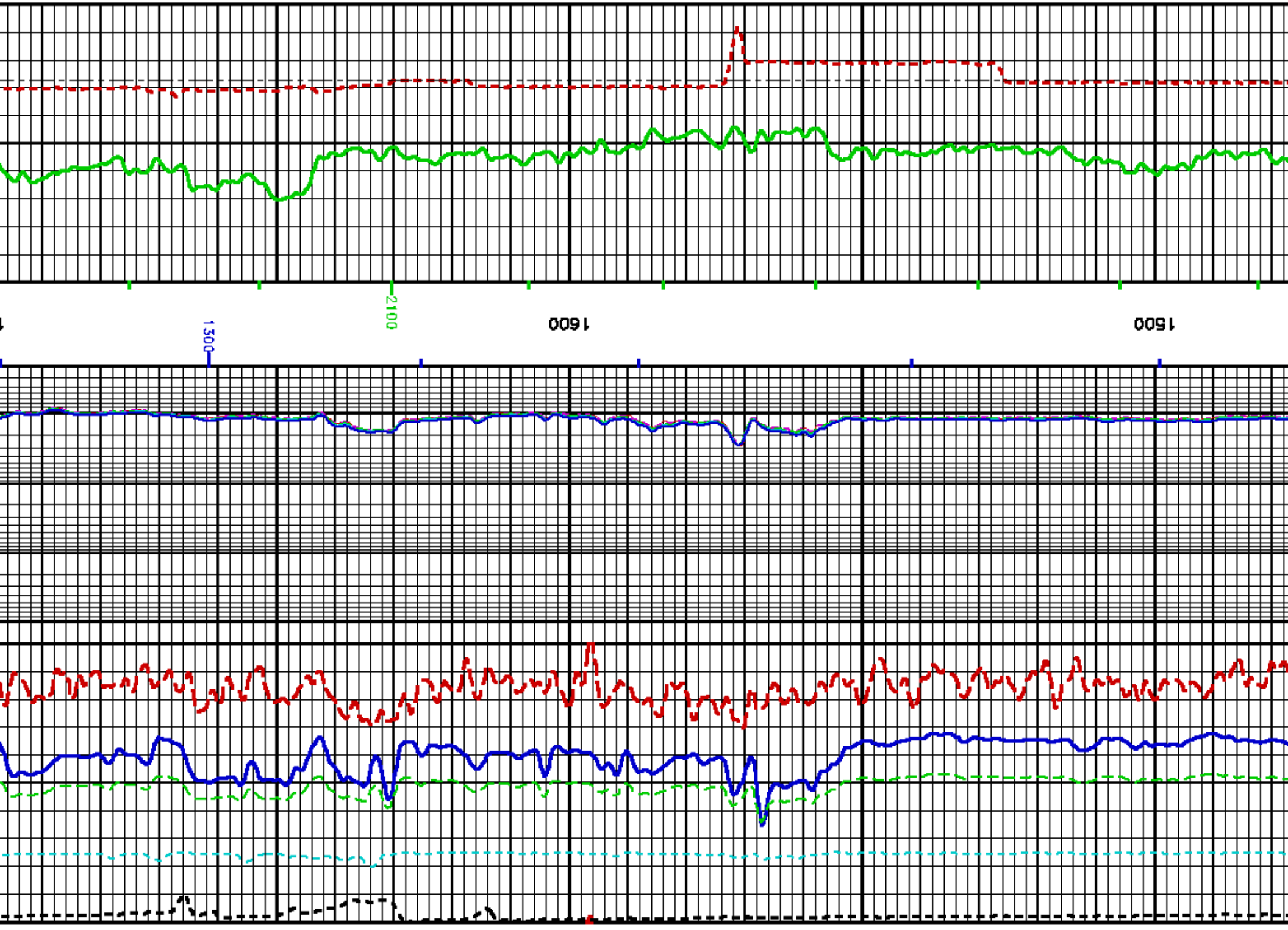
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1700
1800
2000
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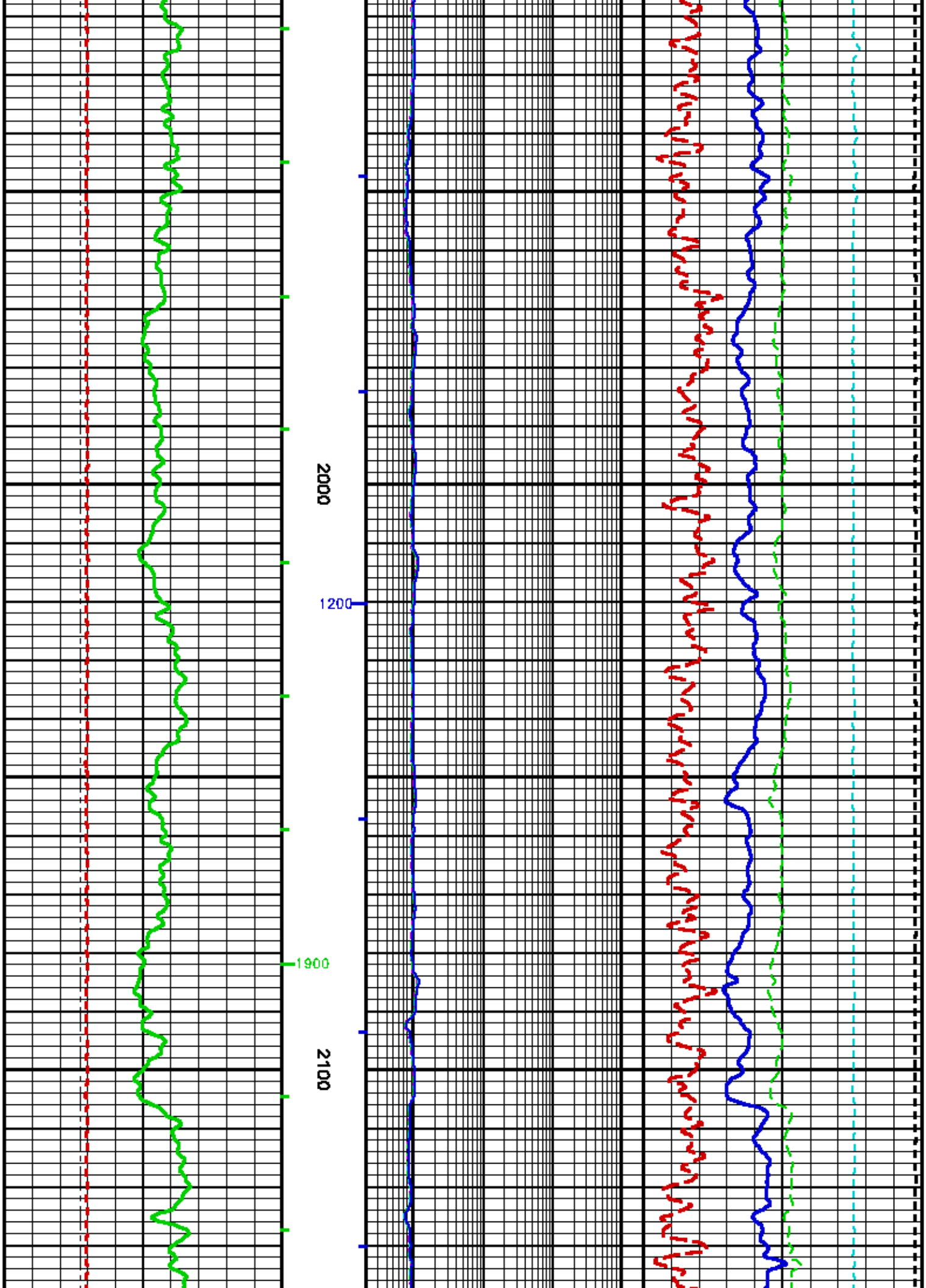
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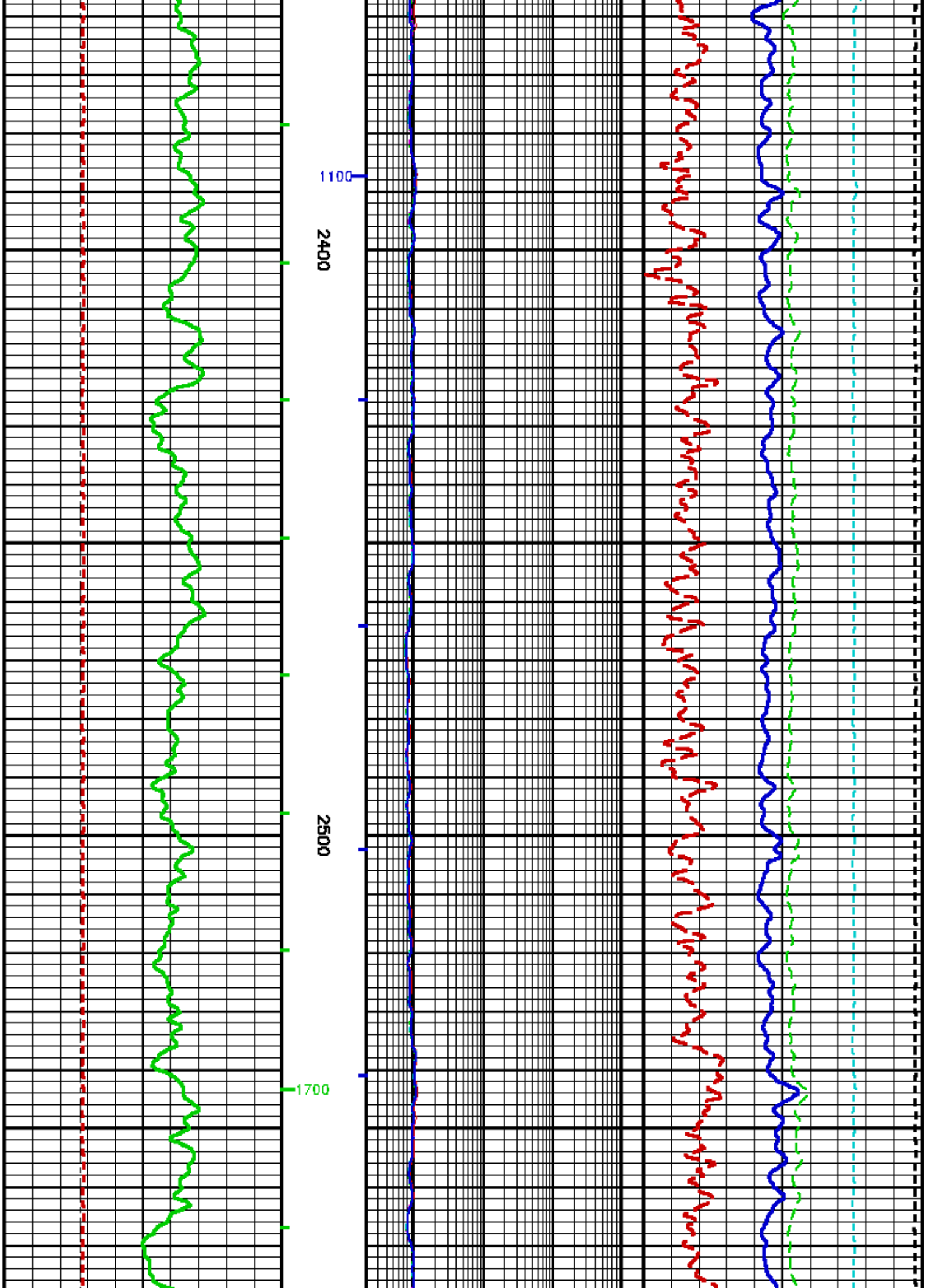
1900
2100

2200
2300
1800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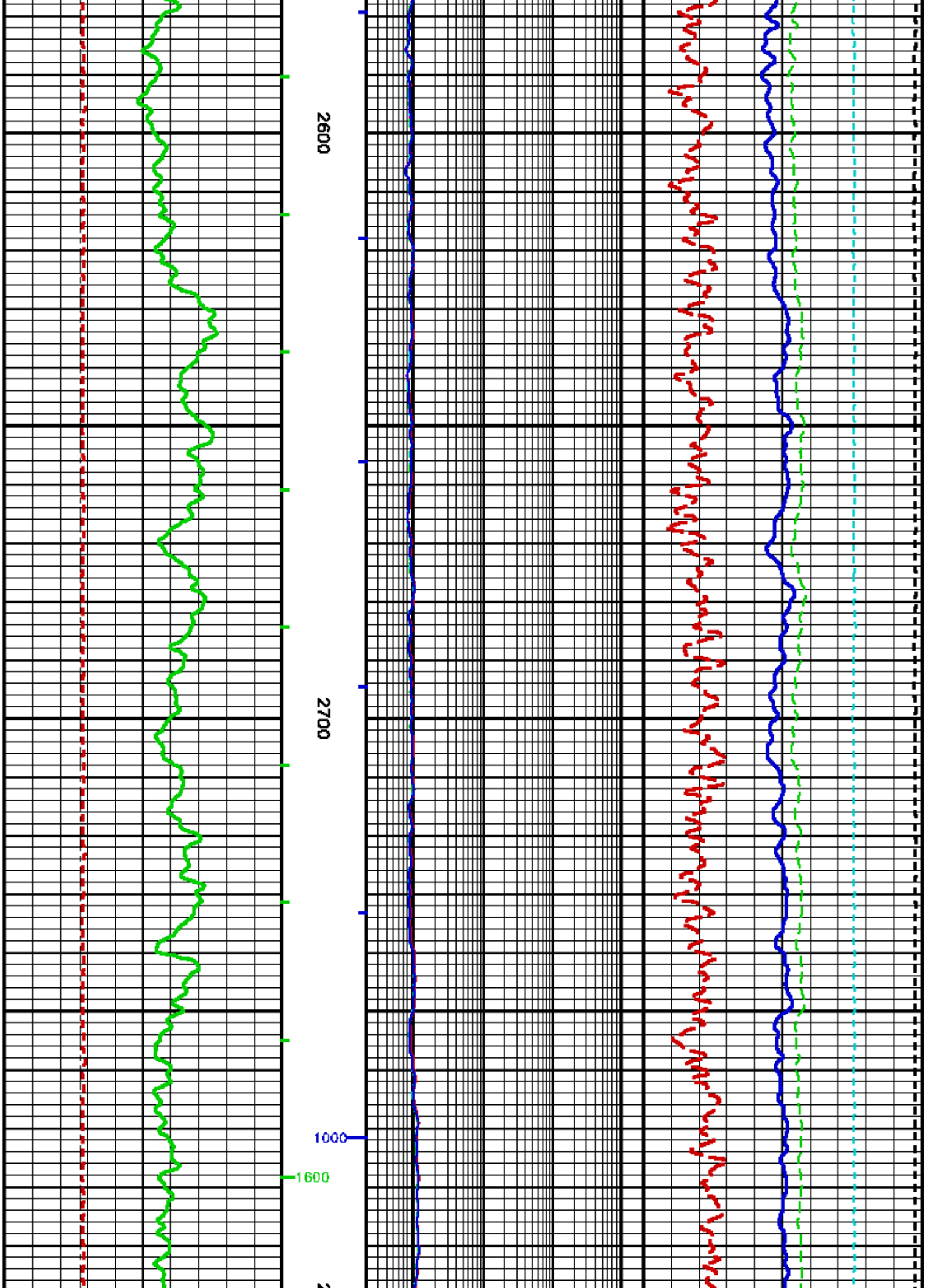
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1500

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900
3200

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3400

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800
3600

3700
120
3800
700

3900
1100
4000
4100

1000
4200
600
4300

900
4400
4500

4600
800
500
4700

4800
700
4900
400

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5200

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400
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5600

200
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300
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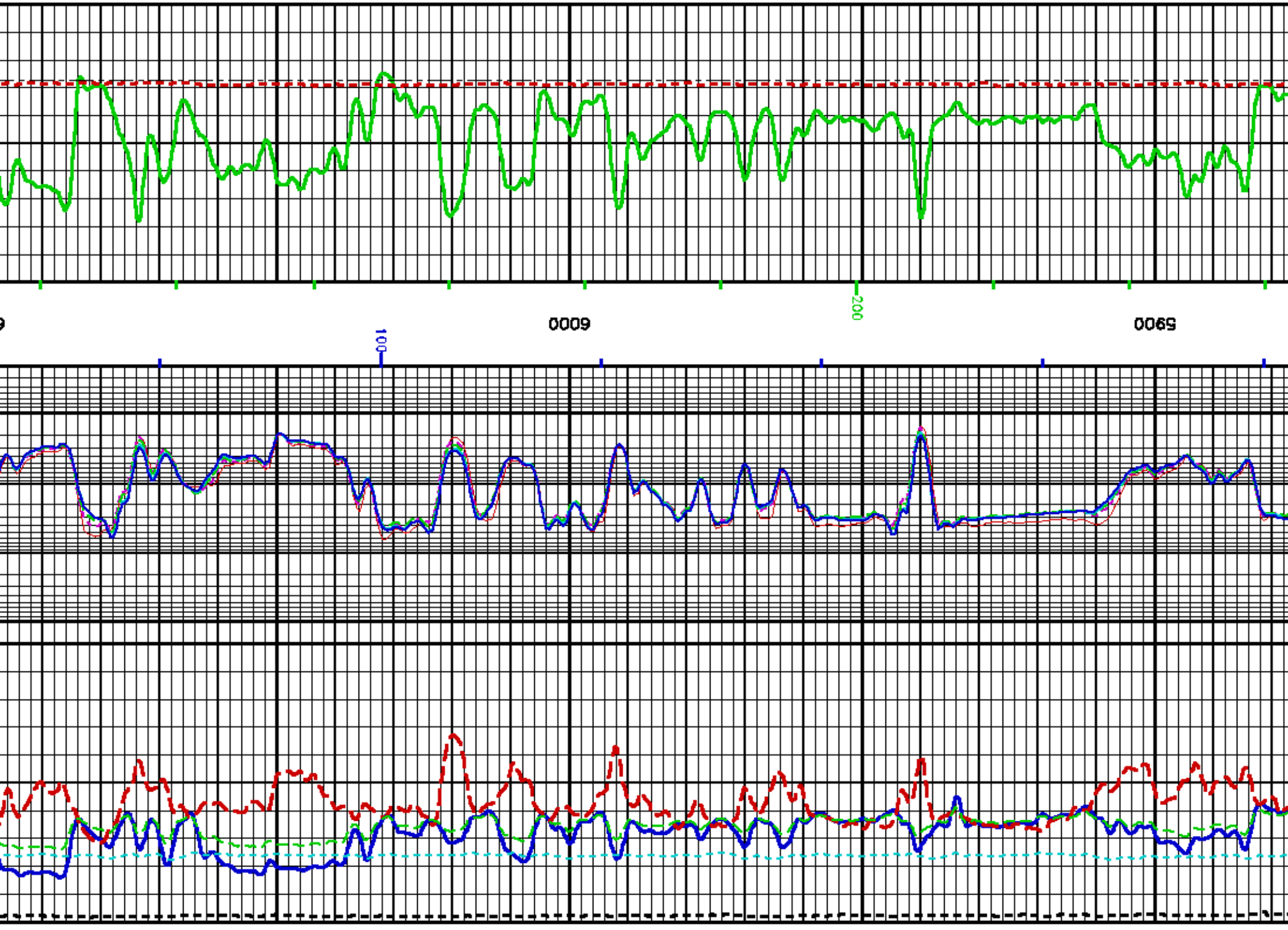
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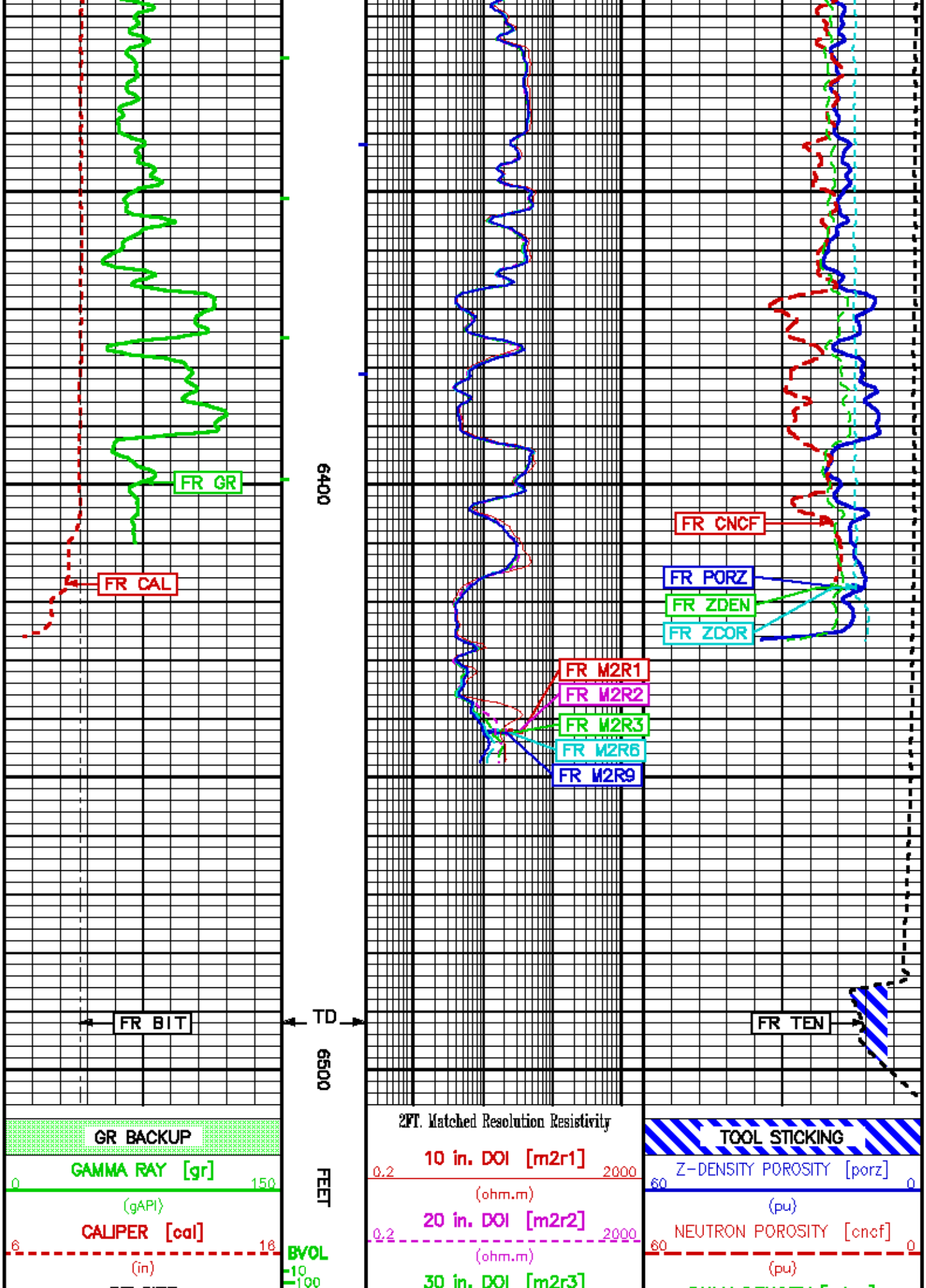
100

6100
100
6200
6300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FR CAL
FR BIT
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6500
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CALIPER [cal]
6
16
(in)
BVOL
10
100
2FT. Matched Resolution Resistivity
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0.2
2000
(ohm.m)
20 in. DOI [m2r2]
0.2
2000
(ohm.m)
30 in. DOI [m2r3]
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FR M2R2
FR M2R3
FR M2R6
FR M2R9
FR CNCF
FR PORZ
FR ZDEN
FR ZCOR
FR TEN
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(pu)
NEUTRON POROSITY [cncf]
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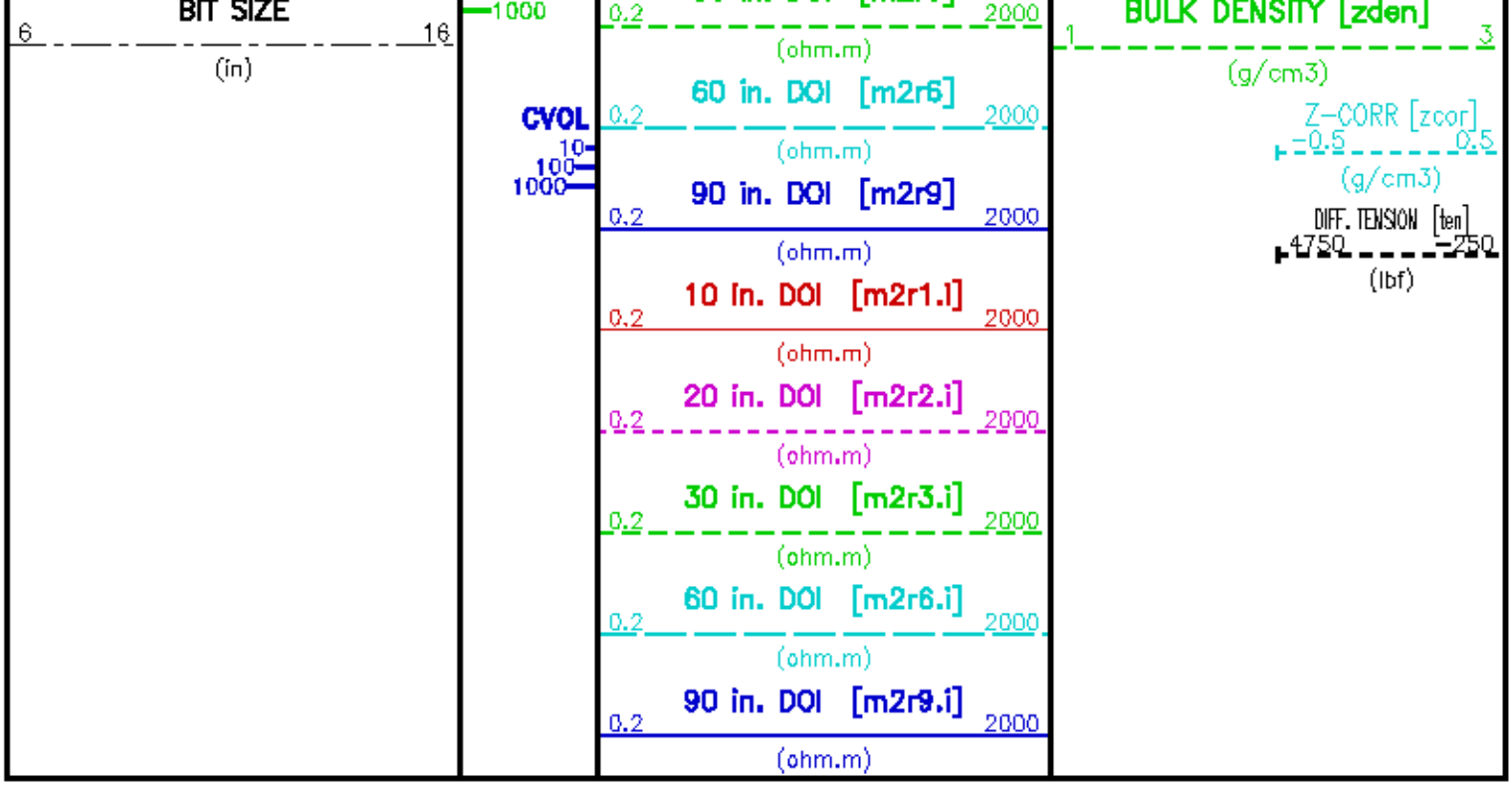
(pu)



REPEAT LOG

ECLIPS 6.11 Aug 06, 2010 Sat Oct 2 16:04:16 2010

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

PARAMETER AND FILTER SUMMARY REPORT

File: /data/595631/m771103.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 6205.250 ft BOTTOM DEPTH: 6512.852 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 (hrd1a*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2a*)	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		TOP	6438.352
		USE FIXED SIZE		6438.352	BOTTOM

	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		TOP	6463.352
		USE FIXED SIZE		6463.352	BOTTOM
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cmbh*)	8.750	in	TOP	BOTTOM
	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)	
2445 CN MATRIX	2445 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	Oct 2 07:43:40 2010	BIT SIZE
F1:BVOL	Oct 2 07:43:40 2010	BOREHOLE VOLUME
F1:CAL	Oct 2 07:43:40 2010	CALIPER
F1:CNCF	Oct 2 07:43:40 2010	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Oct 2 07:43:40 2010	CEMENT VOLUME
F1:GR	Oct 2 07:43:40 2010	GAMMA RAY
F1:M2R1	Oct 2 07:43:40 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Oct 2 07:43:40 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Oct 2 07:43:40 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Oct 2 07:43:40 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Oct 2 07:43:40 2010	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PORZ	Oct 2 07:43:40 2010	POROSITY FOR SELECTABLE MATRIX
F1:TEN	Oct 2 07:43:40 2010	DIFFERENTIAL TENSION
F1:ZCOR	Oct 2 07:43:40 2010	DENSITY CORRECTION
F1:ZDEN	Oct 2 07:43:40 2010	FORMATION BULK DENSITY

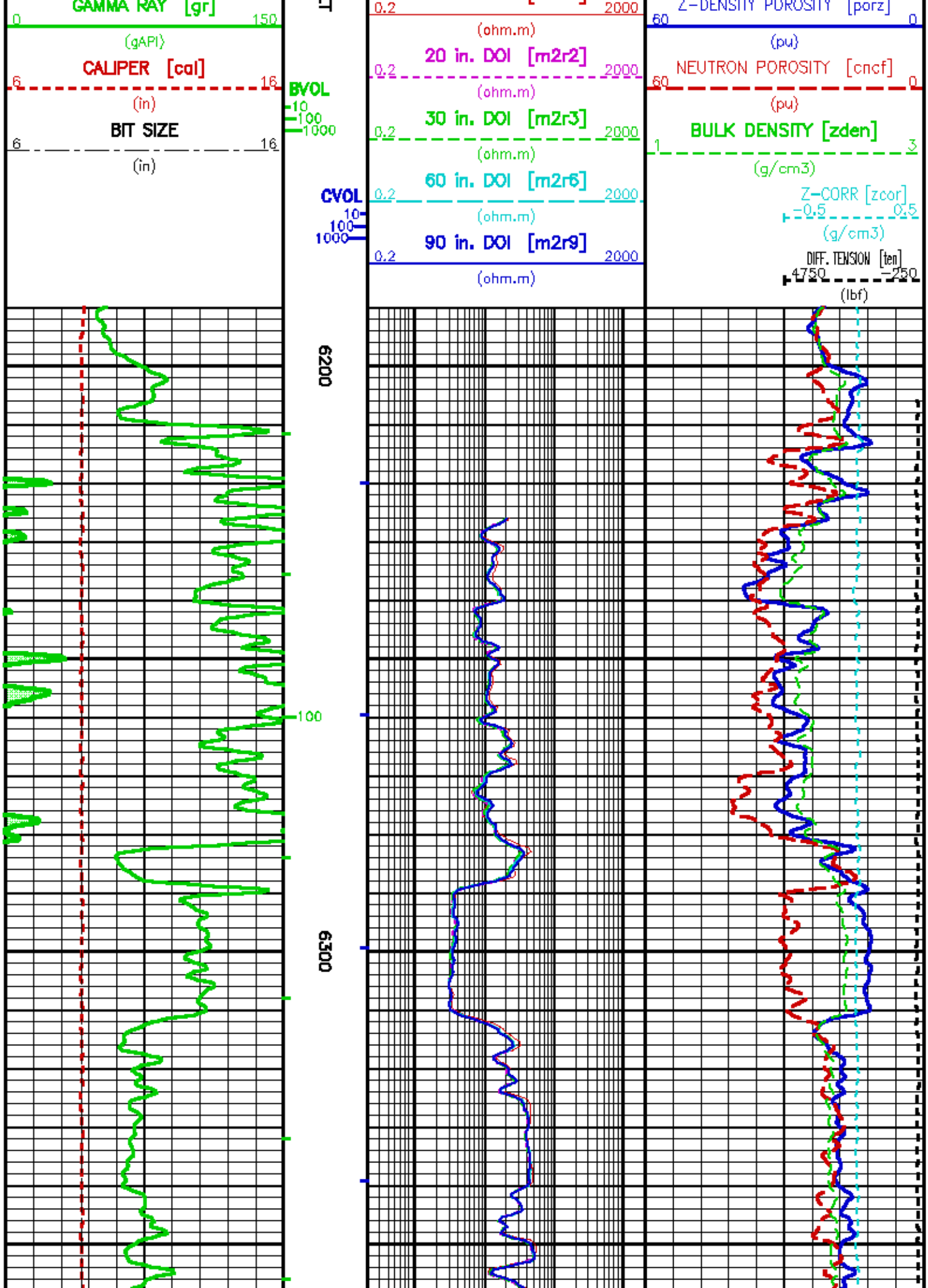
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M2R1	49.50	M2R9	49.50	ZDEN	75.75
CAL	76.50	M2R2	49.50	PORZ	75.75		
CNCF	86.75	M2R3	49.50	TEN	0.00		
GR	93.75	M2R6	49.50	ZCOR	75.75		

Presentation : rice4232:/data/595631/SLAM_REPEAT.pdf [5"/100' Scale]
Plot Interval : 6190 – 6506.5 Feet

Data File 1 : F1 : rice4232:/data/595631/REPEAT.dlis
Created On : Oct 2 07:43:40 2010
Company : BRIDGE ENERGY
Well : MAY 1-13
Field : WILDCAT
File Interval : 0 – 6509 Feet
Set : m7711

GR BACKUP	FEET	2FT. Matched Resolution Resistivity	TOOL STICKING
		10 in. DOI [m2r1]	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150
(gAPI)
CALIPER [cal]
6
16
(in)
BIT SIZE
6
16
(in)
BVOL
10
100
1000
CVOL
10
100
1000
0.2
2000
(ohm.m)
20 in. DOI [m2r2]
0.2
2000
(ohm.m)
30 in. DOI [m2r3]
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2000
(ohm.m)
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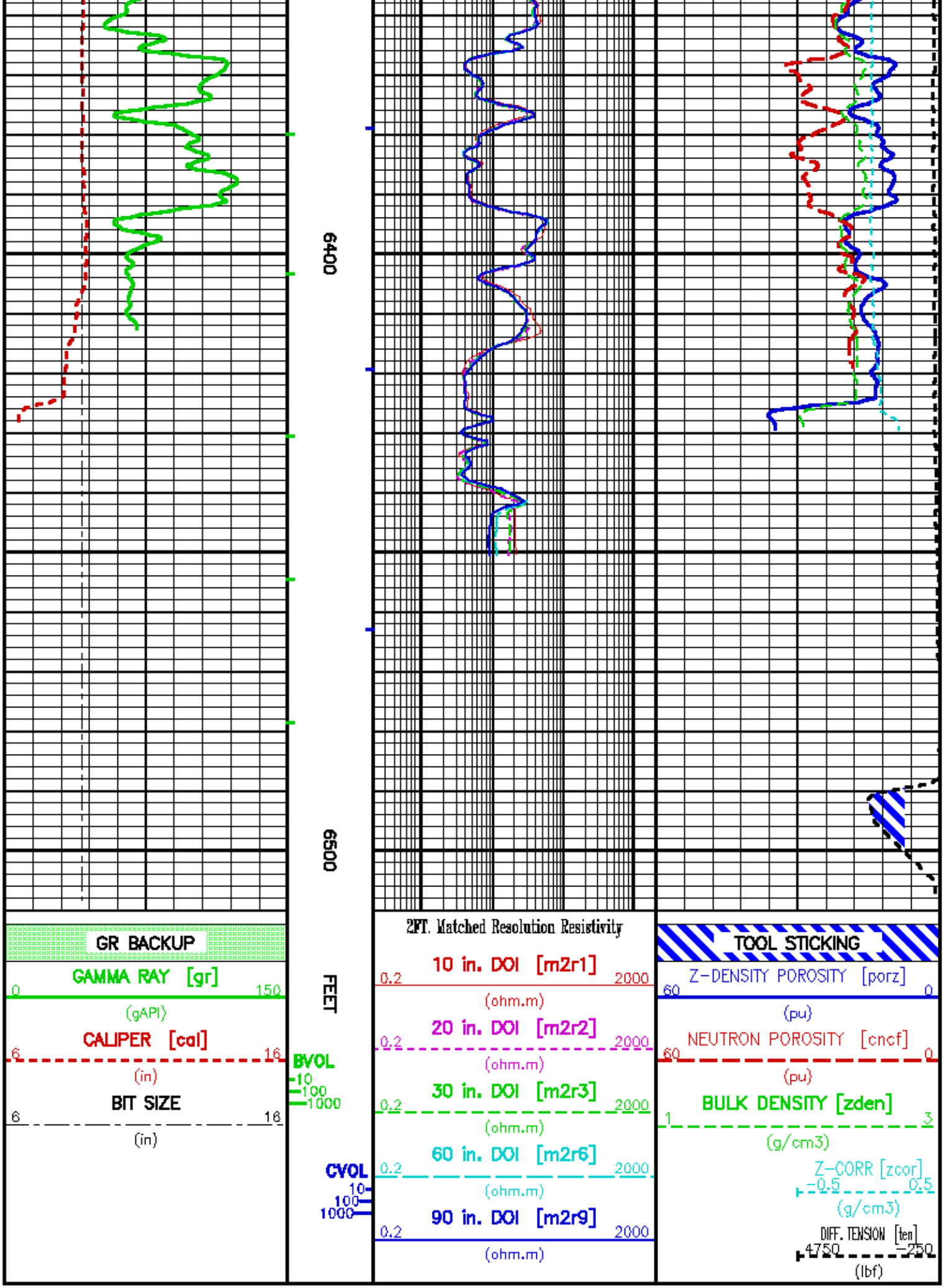
2000
(ohm.m)
90 in. DOI [m2r9]
0.2
2000
(ohm.m)
Z-DENSITY POROSITY [porz]
60
0
(pu)
NEUTRON POROSITY [cncf]
60
0
(pu)
BULK DENSITY [zden]
1
3
(g/cm3)
Z-CORR [zcor]
-0.5
0.5
(g/cm3)
DIFF. TENSION [ten]
4750
-250
(lbf)
6200
100
6300


6400
6500
FEET
GR BACKUP
GAMMA RAY [gr]
0
150
(gAPI)
CALIPER [cal]
6
16
(in)
BIT SIZE
6
16
(in)
BVOL
10
100
1000
CVOL
10
100
1000
2FT. Matched Resolution Resistivity
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
Z-DENSITY POROSITY [porz]
60
0
(pu)
NEUTRON POROSITY [cncf]
60
0
(pu)
BULK DENSITY [zden]
1
3
(g/cm3)
Z-CORR [zcor]
-0.5
0.5
(g/cm3)
DIFF. TENSION [ten]
-475Q
-25Q
(lbf)

HIRES LOG 10"/100FT SCALE

ECLIPS 6.11 Aug 06, 2010 | Sat Oct 2 16:46:07 2010

Perpit /main/62 | Cplot | Pdf_Cpp /main/16 | Fileview 5.50

PARAMETER AND FILTER SUMMARY REPORT

File: /data1a/595631/m777r02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1069.625 ft BOTTOM DEPTH: 1431.250 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
Y AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		''	''
GR	FILTER (.h)	light (2)		''	''
CN	FILTER (.h)	light (2)		''	''
CALIPER	FILTER ()	light (2)		''	''
	FILTER (.h)	light (2)		''	''
	FILTER (.l)	light (2)		''	''
ZDL MED RES	FILTER (hrd1*)	light		''	''
	FILTER (hrd1a*)	light		''	''
	FILTER (hrd2*)	light		''	''
	FILTER (hrd2a*)	light		''	''
ZDL HIGH RES	FILTER (hrd1*)	light		''	''
	FILTER (hrd1a*)	light		''	''
	FILTER (hrd2*)	light		''	''
	FILTER (hrd2a*)	light		''	''

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. (onbh*)	USE CALIPER		''	''
	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (onbh*)	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
2445 CN MATRIX	2445 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	''	''
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		''	''
	BIT SIZE BEHIND CSNG	7.675	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		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

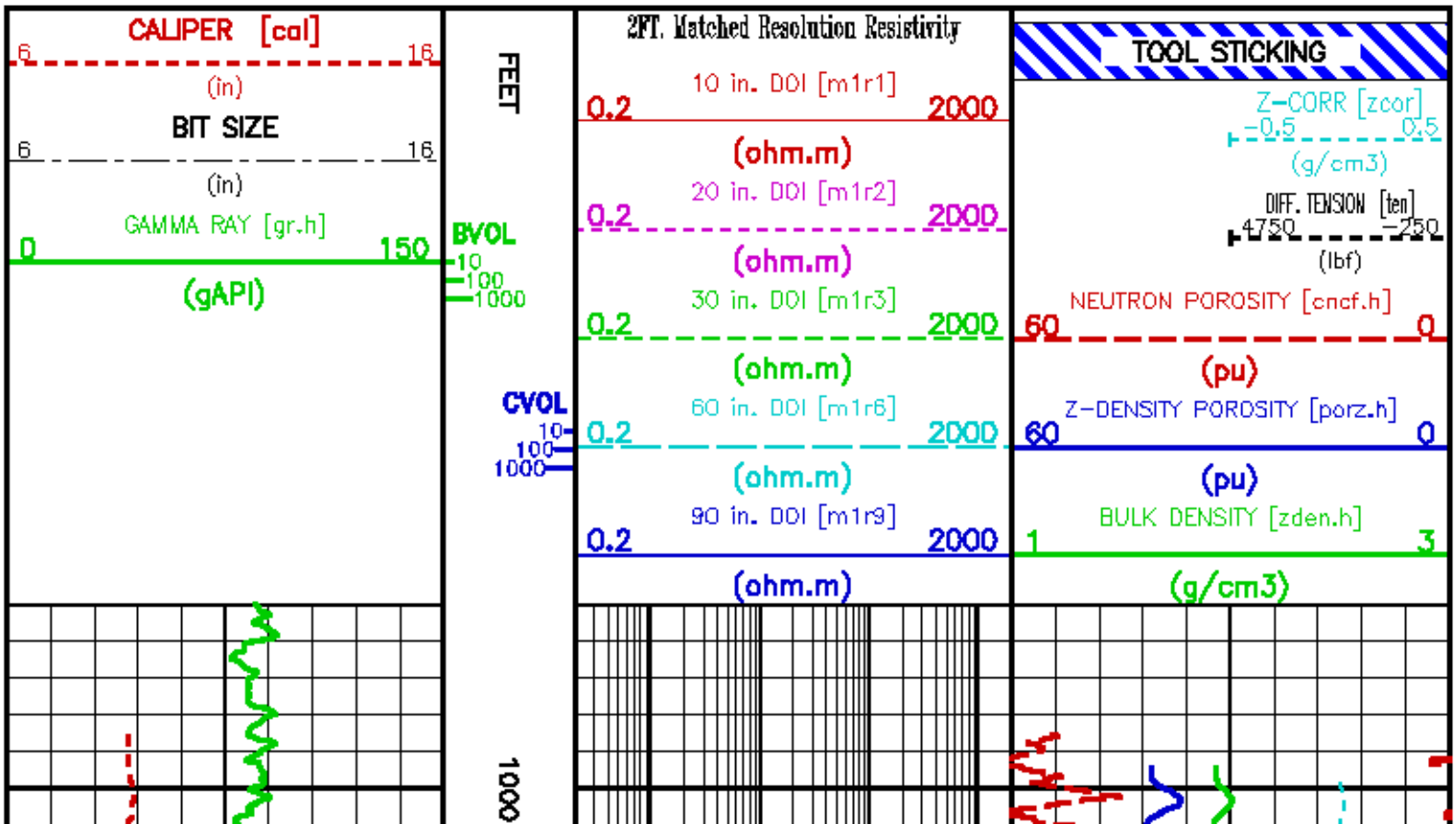
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Oct 2 15:11:53 2010	BIT SIZE
F1:BVOL	Oct 2 15:11:53 2010	BOREHOLE VOLUME
F1:CAL	Oct 2 15:11:53 2010	CALIPER
F1:CNCFQH	Oct 2 15:11:53 2010	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Oct 2 15:11:53 2010	CEMENT VOLUME
F1:GRQH	Oct 2 15:11:53 2010	GAMMA RAY
F1:M1R1	Oct 2 15:11:53 2010	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M1R2	Oct 2 15:11:53 2010	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M1R3	Oct 2 15:11:53 2010	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M1R6	Oct 2 15:11:53 2010	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M1R9	Oct 2 15:11:53 2010	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PORZQH	Oct 2 15:11:53 2010	POROSITY FOR SELECTABLE MATRIX
F1:TEN	Oct 2 15:11:53 2010	DIFFERENTIAL TENSION
F1:ZCOR	Oct 2 15:11:53 2010	DENSITY CORRECTION
F1:ZDENQH	Oct 2 15:11:53 2010	FORMATION BULK DENSITY

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M1R1	48.00	M1R9	48.00	ZDENQH	74.38
CAL	75.00	M1R2	48.00	PORZQH	74.38		
CNCFQH	85.38	M1R3	48.00	TEN	0.00		
GRQH	92.25	M1R6	48.00	ZCOR	74.25		

Presentation : rice4232:/dat1a/585831/SLAM_HIRES.pdf [10"/100' Scale]
Plot Interval : 990 - 1380 Feet

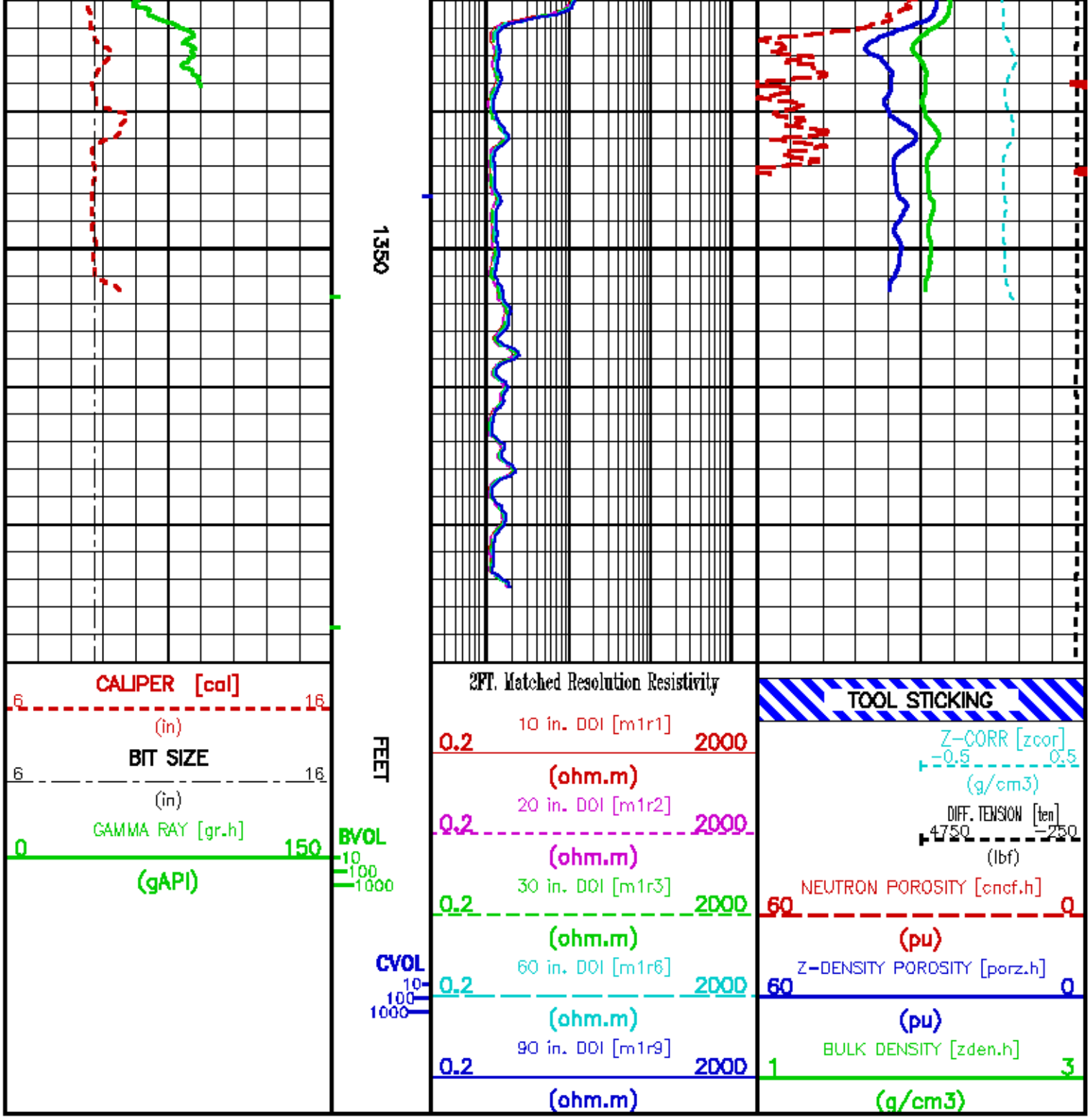
Data File 1 : F1 : rice4232:/dat1a/585831/m777v02.aff
Created On : Oct 2 15:11:53 2010
Company : BRIDGE ENERGY
Well : MAY 1-13
Field : WILDCAT
File Interval : 971.75 - 1431.25 Feet
Dct : m777r



1050
1100

1150
1200
100

1250
1300



CALIBRATION / VERIFICATION SUMMARY

Source Files /dell1a/586631/m777v.lis1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 10203001 DATE/TIME PERFORMED: Mon Sep 20 11:19:51 2010

UNIT #: 3885TD HL6630 CALB JIG #: 4702NK DA-321

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

GR	309.91	1204.18	894.3 (830.0 – 980.0)	0.168	51.98	201.98	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 10203001 DATE/TIME PERFORMED: Mon Sep 20 11:24:43 2010

UNIT #: 3885TD HL6630 VERI JIG #: 4702NK DA-321

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	314.87	1203.71	0.168	52.81	201.90	149.09 (140.00 – 180.00)

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10203001 DATE/TIME PERFORMED: Sat Oct 2 06:11:43 2010 DAYS SINCE CAL: 11

UNIT #: 3885TD ML4232 VERI JIG #: 4702NK DA-321

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	259.87	1125.18	0.168	43.59	188.73	145.14 (139.09 – 159.09)

GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10203001 DATE/TIME PERFORMED: Sat Oct 2 16:19:55 2010 DAYS SINCE CAL: 12

UNIT #: 3885TD ML4232 VERI JIG #: 4702NK DA-321

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	196.00	1073.22	0.168	32.86	180.02	147.14 (135.14 – 155.14)

CN PRIMARY CALIBRATION SUMMARY

TOOL #: 2446XA 10183501 DATE/TIME PERFORMED: Mon Sep 20 14:13:56 2010

UNIT #: 3885TD HL6630 CALIBRATOR #: 2437XB 112664 SOURCE #: 4717XS ON-982

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	NOMINAL SSN/LSN	CORRECTION FACTOR	POROSITY (pu)
LSN	608.80	617.83				
SSN	1595.04	1647.60				
RATIO			2.66676	2.75100	1.03159 (0.97000 – 1.07000)	
CN						21.358

CN PRIMARY VERIFICATION SUMMARY

TOOL #: 2446XA 10183501 DATE/TIME PERFORMED: Mon Sep 20 14:17:52 2010

UNIT #: 3885TD HL6630 ICE BLOCK #: 4717ND OD-112

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1721.71	1795.96				
SSN	3968.98	4311.30				
RATIO			2.40056	1.03159	2.47784	
CN						17.561

CN BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2446XA 10183501 DATE/TIME PERFORMED: Sat Oct 2 06:15:40 2010 DAYS SINCE CAL: 11

UNIT #: 3885TD ML4232 ICE BLOCK #: 4717ND OD-112

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1667.23	1736.77				
SSN	3977.71	4321.59				
RATIO			2.48829	1.03159	2.56850	
CN						18.794 (15.561 – 19.561)

CN AFTER LOG VERIFICATION SUMMARY

TOOL #: 2446XA 10183501 DATE/TIME PERFORMED: Sat Oct 2 16:14:58 2010 DAYS SINCE CAL: 12

UNIT #: 3885TD ML4232 ICE BLOCK #: 4717ND OD-112

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1687.34	1758.60				
SSN	3988.11	4333.86				
RATIO			2.46436	1.03159	2.54356	
CN						18.450 (18.794 – 20.794)

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2234XA 10322532 DATE/TIME PERFORMED: Mon Sep 20 14:54:54 2010

UNIT #: 3885TD HL6630

	SMALL RING	LARGE RING	MULT	ADD	SMALL RING (in)	LARGE RING (in)
CALIPER	1738.4	2536.4	0.00768	-5.46798	7.875	14.000

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10322532 DATE/TIME PERFORMED: Sat Oct 2 06:37:17 2010 DAYS SINCE CAL: 11

UNIT #: 3885TD ML4232

	I.D.	MULT	ADD	I.D. (in)
CALIPER	1932.4	0.00768	-5.91102	8.921

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10322532 DATE/TIME PERFORMED: Sat Oct 2 15:01:11 2010 DAYS SINCE CAL: 12

UNIT #: 3885TD ML4232

	I.D.	MULT	ADD	I.D. (in)
CALIPER	1992.4	0.00768	-5.91102	9.382 (8.421 – 9.421)

ZDL PRIMARY CALIBRATION SUMMARY

TOOL: 2234XA 10322532 DATE/TIME PERFORMED: Mon Sep 20 15:28:40 2010

UNIT: 3885TD HL6630 CALB BLKS: 2225XA 094299 CS SRC: 4703NT 27781B

SS CS PK (Channel)	LS CS PK (Channel)	SS_BKGD (cps)	LS BKGD (cps)
224.7 (220.0 – 230.0)	225.0 (220.0 – 230.0)	1348.8	1695.5

	SS (cps)	LS (cps)	SHR	DEN (g/cm3)	CORR (g/cm3)	PE (b/e)
MG (LO PE)	26353.5	14070.3	0.617 (0.355 – 0.655)	1.699	0.003	2.150
AL	15319.5	1404.0		2.695	-0.009	
AL + SHIM	21201.5	2450.8		2.613	0.157	
MG + SHIM (HI PE)	12870.0	6689.3	0.250 (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	1.72 (1.66 – 1.78)	10.02 (9.40 – 10.20)				

ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10322532 DATE/TIME PERFORMED: Sat Oct 2 06:15:11 2010 DAYS SINCE CAL: 11

UNIT #: 3885TD ML4232

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	1660.3 (1595.5 – 1795.5)	225.1 (220.0 – 230.0)	1237.3 (1100.0 – 1550.0)
SS	1347.1 (1248.8 – 1448.8)	225.7 (220.0 – 230.0)	1184.0 (1100.0 – 1550.0)

LV (V)	PAD CURRENT (mA)
5.0 (4.8 – 5.2)	76.4 (50.0 – 120.0)

ZDL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10322532 DATE/TIME PERFORMED: Sat Oct 2 16:18:25 2010 DAYS SINCE CAL: 12

UNIT #: 3885TD ML4232

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	1658.2 (1595.5 – 1795.5)	224.1 (220.0 – 230.0)	1232.0 (1100.0 – 1550.0)
SS	1342.2 (1248.8 – 1448.8)	224.0 (220.0 – 230.0)	1173.7 (1100.0 – 1350.0)

LV (V)	PAD CURRENT (mA)
5.0 (4.8 – 5.2)	67.1 (50.0 – 120.0)

HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1515MA 10307148 DATE/TIME PERFORMED: Wed Jun 16 09:04:46 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)	-0.001 (-0.100 – 0.100)	0.000 (-0.100 – 0.100)	-0.000 (-0.100 – 0.100)	-0.001 (-0.100 – 0.100)	-0.000 (-0.100 – 0.100)	-0.001 (-0.100 – 0.100)	-0.002 (-0.100 – 0.100)
Coil 0 Q	0.008 (-1.000 – 1.000)	0.010 (-0.200 – 0.200)	0.001 (-0.100 – 0.100)	0.001 (-0.100 – 0.100)	0.002 (-0.100 – 0.100)	0.001 (-0.100 – 0.100)	-0.000 (-0.100 – 0.100)	0.001 (-0.100 – 0.100)
Coil 1 R	0.006 (-0.200 – 0.200)	0.009 (-0.100 – 0.100)	0.008 (-0.100 – 0.100)	0.010 (-0.100 – 0.100)	0.010 (-0.100 – 0.100)	0.008 (-0.100 – 0.100)	0.007 (-0.100 – 0.100)	0.008 (-0.100 – 0.100)

Coil 1 Q	-0.007	-0.007	-0.005	-0.001	-0.001	-0.001	0.001	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 2 R	-0.010	-0.000	0.001	-0.003	-0.003	0.003	0.004	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	0.004	0.003	0.001	-0.004	-0.004	-0.006	-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 3 R	0.010	0.000	0.003	0.005	0.009	0.005	0.001	0.004
	-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	-0.013	-0.017	-0.004	-0.000	0.000	0.001	0.002	-0.002
	-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	-0.015	-0.006	-0.000	-0.005	-0.005	0.002	0.004	0.001
	-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	-0.012	-0.003	0.002	-0.006	-0.007	-0.007	-0.003	0.003
	-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	-0.007	-0.000	0.005	0.009	0.002	0.005	-0.007	-0.005
	-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	-0.006	-0.005	-0.001	0.013	0.007	0.009	0.011	0.005
	-2.000 2.000	-0.600 0.600	-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	-0.019	0.001	0.006	0.003	-0.003	0.003	0.026	0.034
	-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	-0.011	-0.024	-0.001	-0.024	-0.024	0.003	-0.008	-0.007
	-6.000 6.000	-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	126.04	124.79	122.40	119.06	114.56	109.14	102.52	94.94
	100.00 150.00	100.00 150.00	98.00 150.00	94.00 140.00	92.00 140.00	87.00 130.00	82.00 120.00	76.00 110.00
Coil 0 P	7.603	23.904	39.968	55.926	71.926	87.891	103.969	119.767
	5.000 8.000	18.000 28.000	32.000 47.000	44.000 65.000	57.000 85.000	70.000 100.000	82.000 120.000	95.000 140.000
Coil 1 M	221.58	219.68	215.83	210.76	203.70	195.49	185.25	173.59
	180.00 270.00	180.00 270.00	175.00 260.00	170.00 250.00	160.00 240.00	160.00 230.00	150.00 220.00	140.00 200.00
Coil 1 P	7.148	22.544	37.670	52.698	67.768	82.780	97.850	112.742
	5.000 9.000	19.000 28.000	32.000 48.000	45.000 67.000	57.000 86.000	70.000 110.000	83.000 130.000	98.000 140.000
Coil 2 M	439.50	435.22	426.64	415.09	399.34	380.32	356.99	330.24
	360.00 540.00	360.00 540.00	350.00 530.00	340.00 510.00	330.00 500.00	310.00 470.00	300.00 440.00	270.00 410.00
Coil 2 P	7.863	24.605	41.117	57.544	74.014	90.467	106.945	123.245
	5.000 8.000	18.000 29.000	32.000 48.000	46.000 67.000	58.000 87.000	71.000 110.000	84.000 130.000	96.000 140.000
Coil 3 M	722.71	716.14	703.43	686.36	663.20	635.62	602.40	564.10
	590.00 880.00	580.00 870.00	570.00 850.00	560.00 830.00	530.00 800.00	500.00 760.00	470.00 710.00	440.00 650.00
Coil 3 P	7.430	23.333	38.969	54.504	70.064	85.563	101.130	116.531
	5.000 10.000	20.000 29.000	33.000 49.000	46.000 68.000	59.000 89.000	72.000 110.000	85.000 130.000	96.000 150.000
Coil 4 M	1129.7	1118.2	1096.1	1066.0	1024.9	975.4	915.7	847.6
	900.0 1400.0	890.0 1300.0	800.0 1300.0	850.0 1300.0	800.0 1200.0	800.0 1200.0	750.0 1100.0	700.0 1000.0
Coil 4 P	7.975	24.974	41.690	58.356	75.006	91.634	108.248	124.647
	5.000 10.000	20.000 30.000	33.000 50.000	46.000 70.000	60.000 90.000	73.000 110.000	86.000 130.000	99.000 150.000
Coil 5 M	2286.0	2264.0	2219.1	2159.3	2075.7	1978.6	1859.3	1723.4
	1900.0 2800.0	1800.0 2800.0	1800.0 2700.0	1900.0 2600.0	1700.0 2500.0	1600.0 2400.0	1500.0 2200.0	1400.0 2100.0
Coil 5 P	8.210	25.685	42.898	60.045	77.195	94.321	111.507	128.490
	5.000 10.000	20.000 31.000	34.000 51.000	46.000 72.000	62.000 93.000	76.000 110.000	89.000 130.000	100.000 150.000
Coil 6 M	6063.6	5977.1	5811.1	5589.9	5307.1	4984.8	4613.5	4212.9
	4700.0 7100.0	4700.0 7000.0	4600.0 6900.0	4400.0 6800.0	4200.0 6400.0	4000.0 6000.0	3700.0 5800.0	3400.0 5100.0
Coil 6 P	8.661	27.277	45.468	63.407	81.222	98.802	116.241	133.366
	7.000 10.000	22.000 32.000	38.000 54.000	51.000 76.000	65.000 98.000	80.000 120.000	94.000 140.000	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	523	-49	-98	-116	-124	-131	-135	-139
	-200 600	-300 200	-600 100	-600 50	-500 20	-500 20	-300 20	-500 20
Coil 0 Q	1052	397	215	126	68	23	-15	-49
	-3000 6000	-1000 2000	-1000 1200	-800 800	-400 700	-400 600	-400 500	-400 400
Coil 1 R	577	87	24	1	-10	-16	-20	-23
	450 850	25 130	-35 80	-50 40	-55 30	-65 20	-60 10	-60 10
Coil 1 Q	1187	479	299	216	166	133	109	90
	0 2500	0 900	0 500	0 400	0 350	0 300	0 250	0 250
Coil 2 R	185.1	27.2	7.7	1.5	-1.3	-2.7	-4.0	-4.8
	140.0 230.0	0.0 61.0	-10.0 25.0	-15.0 18.0	-16.0 10.0	-15.0 7.0	-16.0 5.0	-16.0 3.0
Coil 2 Q	490.7	190.9	120.5	89.3	72.1	61.5	54.2	49.0
	-200.0 1000.0	0.0 360.0	0.0 220.0	0.0 180.0	0.0 150.0	0.0 110.0	0.0 100.0	0.0 90.0
Coil 3 R	47.2	6.9	1.7	-0.1	-1.0	-1.6	-2.4	-2.3
	37.0 62.0	0.0 12.0	-3.0 6.0	-4.0 4.0	-5.0 2.0	-5.0 1.0	-6.0 1.0	-6.0 1.0
Coil 3 Q	65.5	31.5	23.6	21.0	20.4	20.6	21.3	21.5
	-140.0 280.0	-40.0 100.0	-20.0 70.0	-10.0 60.0	-10.0 50.0	-10.0 50.0	-10.0 50.0	-10.0 50.0
Coil 4 R	11.67	0.98	-0.74	-0.96	-1.32	-1.48	-1.64	-1.58
	2.00 18.00	-3.00 6.00	-3.50 3.00	-3.80 2.00	-4.20 2.00	-4.50 2.00	-4.70 2.00	-5.00 2.00
Coil 4 Q	18.73	11.65	11.35	12.42	14.05	16.04	18.02	20.30
	-100.00 100.00	-30.00 50.00	-25.00 40.00	-10.00 40.00	-10.00 40.00	-10.00 45.00	-10.00 50.00	-10.00 60.00
Coil 5 R	0.83	-0.53	-0.88	-1.06	-1.17	-1.16	-1.29	-1.22
	-2.00 5.80	-3.20 2.40	-4.50 3.10	-4.70 3.20	-4.80 3.20	-5.00 3.30	-5.20 3.40	-5.40 3.50
Coil 5 Q	10.90	7.21	8.15	9.79	11.62	13.72	15.84	17.99
	-60.00 70.00	-20.00 30.00	-20.00 30.00	-20.00 35.00	-20.00 40.00	-20.00 50.00	-20.00 50.00	-30.00 70.00

Coil 6 R	-2.09 (-4.30 1.00)	-0.97 (-5.70 3.80)	-0.97 (-6.50 4.90)	-0.85 (-8.90 5.40)	-0.92 (-7.30 5.80)	-0.92 (-7.50 8.00)	-0.99 (-7.70 8.10)	-1.00 (-7.90 8.30)
Coil 6 Q	4.05 (-30.00 30.00)	4.21 (-20.00 25.00)	6.02 (-20.00 35.00)	7.89 (-30.00 50.00)	9.96 (-35.00 60.00)	12.05 (-40.00 70.00)	14.15 (-50.00 80.00)	16.23 (-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	0.996 (0.800 1.100)	0.996 (0.800 1.100)	0.993 (0.800 1.100)	0.993 (0.800 1.100)	0.993 (0.800 1.100)	0.991 (0.800 1.100)	0.990 (0.800 1.100)	0.991 (0.800 1.100)
Coil 0 P	0.018 (-2.000 2.000)	0.094 (-2.000 2.000)	0.239 (-2.000 2.000)	0.161 (-2.000 2.000)	0.183 (-2.000 2.000)	0.188 (-2.000 2.000)	0.222 (-2.000 2.000)	0.287 (-2.000 2.000)
Coil 1 M	0.995 (0.800 1.100)	0.993 (0.800 1.100)	0.989 (0.800 1.100)	0.989 (0.800 1.100)	0.986 (0.800 1.100)	0.986 (0.800 1.100)	0.984 (0.800 1.100)	0.985 (0.800 1.100)
Coil 1 P	0.070 (-2.000 2.000)	0.223 (-2.000 2.000)	0.318 (-2.000 2.000)	0.321 (-2.000 2.000)	0.318 (-2.000 2.000)	0.256 (-2.000 2.000)	0.247 (-2.000 2.000)	0.186 (-2.000 2.000)
Coil 2 M	1.002 (0.800 1.100)	1.000 (0.800 1.100)	0.999 (0.800 1.100)	0.999 (0.800 1.100)	0.998 (0.800 1.100)	0.997 (0.800 1.100)	0.995 (0.800 1.100)	0.994 (0.800 1.100)
Coil 2 P	-0.016 (-2.000 2.000)	0.009 (-2.000 2.000)	0.053 (-2.000 2.000)	0.079 (-2.000 2.000)	0.120 (-2.000 2.000)	0.093 (-2.000 2.000)	0.129 (-2.000 2.000)	0.091 (-2.000 2.000)
Coil 3 M	1.021 (0.800 1.100)	1.021 (0.800 1.100)	1.020 (0.800 1.100)	1.020 (0.800 1.100)	1.018 (0.800 1.100)	1.018 (0.800 1.100)	1.018 (0.800 1.100)	1.018 (0.800 1.100)
Coil 3 P	0.019 (-2.000 2.000)	0.018 (-2.000 2.000)	0.071 (-2.000 2.000)	0.074 (-2.000 2.000)	0.082 (-2.000 2.000)	0.008 (-2.000 2.000)	0.034 (-2.000 2.000)	0.087 (-2.000 2.000)
Coil 4 M	1.031 (0.800 1.100)	1.031 (0.800 1.100)	1.030 (0.800 1.100)	1.031 (0.800 1.100)	1.030 (0.800 1.100)	1.030 (0.800 1.100)	1.028 (0.800 1.100)	1.028 (0.800 1.100)
Coil 4 P	0.079 (-2.000 2.000)	0.041 (-2.000 2.000)	0.047 (-2.000 2.000)	0.089 (-2.000 2.000)	0.099 (-2.000 2.000)	0.082 (-2.000 2.000)	0.116 (-2.000 2.000)	0.026 (-2.000 2.000)
Coil 5 M	1.032 (0.800 1.100)	1.032 (0.800 1.100)	1.032 (0.800 1.100)	1.032 (0.800 1.100)	1.029 (0.800 1.100)	1.031 (0.800 1.100)	1.029 (0.800 1.100)	1.029 (0.800 1.100)
Coil 5 P	0.049 (-2.000 2.000)	-0.036 (-2.000 2.000)	0.039 (-2.000 2.000)	0.052 (-2.000 2.000)	0.036 (-2.000 2.000)	-0.048 (-2.000 2.000)	0.071 (-2.000 2.000)	-0.029 (-2.000 2.000)
Coil 6 M	1.036 (0.800 1.100)	1.038 (0.800 1.100)	1.036 (0.800 1.100)	1.035 (0.800 1.100)	1.034 (0.800 1.100)	1.040 (0.800 1.100)	1.038 (0.800 1.100)	1.038 (0.800 1.100)
Coil 6 P	0.007 (-2.000 2.000)	0.135 (-2.000 2.000)	0.084 (-2.000 2.000)	0.135 (-2.000 2.000)	0.066 (-2.000 2.000)	-0.078 (-2.000 2.000)	0.002 (-2.000 2.000)	-0.219 (-2.000 2.000)

PARMS	TCID 0	TCID 1	Cal Temp (degF)	T Factor
IDs	1.277	0.880	84.5	1.04

HDIL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1515MA 10307146 DATE/TIME PERFORMED: Sat Oct 2 07:39:46 2010 DAYS SINCE CAL: 107

UNIT #: 3885TD ML4232

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)	-0.001 (-0.100 0.100)	-0.000 (-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)	-0.003 (-0.100 0.100)
Coil 0 Q	0.006 (-1.000 1.000)	0.007 (-0.200 0.200)	0.003 (-0.100 0.100)	0.000 (-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)
Coil 1 R	-0.002 (-0.200 0.200)	0.001 (-0.100 0.100)	0.002 (-0.100 0.100)	0.001 (-0.100 0.100)	-0.000 (-0.100 0.100)	0.000 (-0.100 0.100)	-0.001 (-0.100 0.100)	-0.002 (-0.100 0.100)
Coil 1 Q	0.003 (-1.000 1.000)	0.003 (-0.200 0.200)	0.002 (-0.100 0.100)	0.001 (-0.100 0.100)	0.002 (-0.100 0.100)	0.002 (-0.100 0.100)	0.002 (-0.100 0.100)	0.000 (-0.100 0.100)
Coil 2 R	0.007 (-0.200 0.200)	0.001 (-0.100 0.100)	-0.002 (-0.100 0.100)	-0.004 (-0.100 0.100)	-0.001 (-0.100 0.100)	-0.003 (-0.100 0.100)	0.002 (-0.100 0.100)	0.005 (-0.100 0.100)
Coil 2 Q	-0.003 (-1.000 1.000)	-0.004 (-0.200 0.200)	0.002 (-0.100 0.100)	0.000 (-0.100 0.100)	-0.001 (-0.100 0.100)	-0.005 (-0.100 0.100)	-0.003 (-0.100 0.100)	-0.002 (-0.100 0.100)
Coil 3 R	0.005 (-0.100 0.100)	0.001 (-0.100 0.100)	0.003 (-0.100 0.100)	0.003 (-0.100 0.100)	0.002 (-0.100 0.100)	0.000 (-0.100 0.100)	-0.001 (-0.100 0.100)	0.000 (-0.100 0.100)
Coil 3 Q	-0.009 (-0.800 0.800)	-0.008 (-0.200 0.200)	-0.004 (-0.100 0.100)	0.001 (-0.100 0.100)	-0.003 (-0.100 0.100)	-0.000 (-0.100 0.100)	0.001 (-0.100 0.100)	0.002 (-0.100 0.100)
Coil 4 R	-0.007 (-0.200 0.200)	-0.004 (-0.200 0.200)	-0.005 (-0.200 0.200)	-0.003 (-0.200 0.200)	-0.000 (-0.200 0.200)	0.001 (-0.200 0.200)	0.006 (-0.200 0.200)	0.002 (-0.200 0.200)
Coil 4 Q	-0.006 (-1.000 1.000)	0.006 (-0.400 0.400)	0.001 (-0.200 0.200)	-0.001 (-0.200 0.200)	-0.001 (-0.200 0.200)	-0.005 (-0.200 0.200)	0.003 (-0.200 0.200)	0.001 (-0.200 0.200)
Coil 5 R	-0.007 (-0.400 0.400)	0.006 (-0.400 0.400)	0.009 (-0.400 0.400)	-0.002 (-0.400 0.400)	-0.002 (-0.400 0.400)	-0.007 (-0.400 0.400)	-0.007 (-0.400 0.400)	-0.011 (-0.400 0.400)
Coil 5 Q	-0.006 (-2.000 2.000)	-0.003 (-0.800 0.800)	-0.001 (-0.400 0.400)	0.000 (-0.400 0.400)	-0.002 (-0.400 0.400)	0.009 (-0.400 0.400)	0.012 (-0.400 0.400)	0.008 (-0.400 0.400)
Coil 6 R	-0.022 (-1.000 1.000)	-0.010 (-1.000 1.000)	-0.022 (-1.000 1.000)	-0.034 (-1.000 1.000)	0.027 (-1.000 1.000)	0.007 (-1.000 1.000)	0.012 (-1.000 1.000)	0.032 (-1.000 1.000)
Coil 6 Q	0.013 (-3.000 3.000)	0.028 (-2.000 2.000)	-0.004 (-1.000 1.000)	-0.020 (-1.000 1.000)	-0.044 (-1.000 1.000)	-0.020 (-1.000 1.000)	-0.010 (-1.000 1.000)	-0.016 (-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	127.13	125.75	123.24	119.80	115.26	109.72	103.03	95.31
	100.00 150.00	100.00 150.00	98.00 150.00	98.00 140.00	92.00 140.00	87.00 130.00	82.00 120.00	76.00 110.00
Coil 0 P	7.848	24.650	41.123	57.543	73.992	90.419	106.822	123.185
	8.000 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	222.79	220.58	216.59	211.16	204.14	195.57	185.13	173.38
	160.00 270.00	160.00 270.00	170.00 260.00	170.00 250.00	160.00 250.00	150.00 230.00	150.00 220.00	140.00 200.00
Coil 1 P	7.478	23.524	39.230	54.869	70.488	86.104	101.717	117.246
	5.000 8.000	18.000 28.000	32.000 48.000	46.000 67.000	57.000 86.000	70.000 110.000	83.000 120.000	96.000 140.000
Coil 2 M	443.51	438.64	429.67	417.60	401.34	381.87	358.34	331.14
	380.00 540.00	380.00 540.00	350.00 530.00	340.00 510.00	330.00 500.00	310.00 470.00	300.00 440.00	270.00 410.00
Coil 2 P	8.013	25.119	41.887	58.622	75.339	92.069	108.821	125.422
	5.000 9.000	19.000 29.000	32.000 46.000	43.000 67.000	56.000 87.000	71.000 110.000	84.000 130.000	96.000 140.000
Coil 3 M	722.39	714.97	701.62	683.86	660.49	632.28	598.80	560.20
	580.00 880.00	580.00 870.00	670.00 860.00	560.00 830.00	530.00 800.00	500.00 760.00	470.00 710.00	440.00 660.00
Coil 3 P	7.742	24.283	40.481	56.609	72.705	88.814	104.917	120.937
	8.000 10.000	20.000 29.000	33.000 49.000	48.000 69.000	59.000 89.000	72.000 110.000	86.000 130.000	98.000 150.000
Coil 4 M	1125.0	1112.4	1089.5	1058.6	1017.5	967.7	908.1	840.0
	900.0 1400.0	900.0 1300.0	900.0 1300.0	850.0 1300.0	800.0 1200.0	800.0 1200.0	750.0 1100.0	700.0 1000.0
Coil 4 P	8.160	25.573	42.631	59.649	76.637	93.609	110.564	127.360
	5.000 10.000	20.000 30.000	33.000 50.000	46.000 70.000	60.000 80.000	73.000 110.000	86.000 130.000	99.000 150.000
Coil 5 M	2294.0	2269.0	2222.4	2159.7	2077.3	1977.6	1858.9	1721.3
	1900.0 2800.0	1800.0 2800.0	1800.0 2700.0	1800.0 2600.0	1700.0 2500.0	1600.0 2400.0	1500.0 2200.0	1400.0 2100.0
Coil 5 P	8.271	25.862	43.114	60.310	77.509	94.700	111.909	129.003
	8.000 10.000	20.000 31.000	34.000 51.000	48.000 72.000	62.000 93.000	78.000 110.000	89.000 130.000	100.000 150.000
Coil 6 M	6088.1	5992.9	5821.4	5591.2	5306.2	4977.5	4607.3	4200.9
	4700.0 7100.0	4700.0 7000.0	4600.0 6900.0	4400.0 6600.0	4200.0 6400.0	4000.0 6000.0	3700.0 5600.0	3400.0 5100.0
Coil 6 P	8.883	27.965	46.538	64.883	83.014	100.999	118.818	136.355
	7.000 10.000	22.000 32.000	36.000 54.000	51.000 76.000	65.000 98.000	80.000 120.000	84.000 140.000	110.000 160.000

HDIL AFTER LOG VERIFICATION SUMMARY

TOOL #: 1515MA 10307148 DATE/TIME PERFORMED: Sat Oct 2 15:05:08 2010 DAYS SINCE CAL: 108

UNIT #: 388STD ML4232

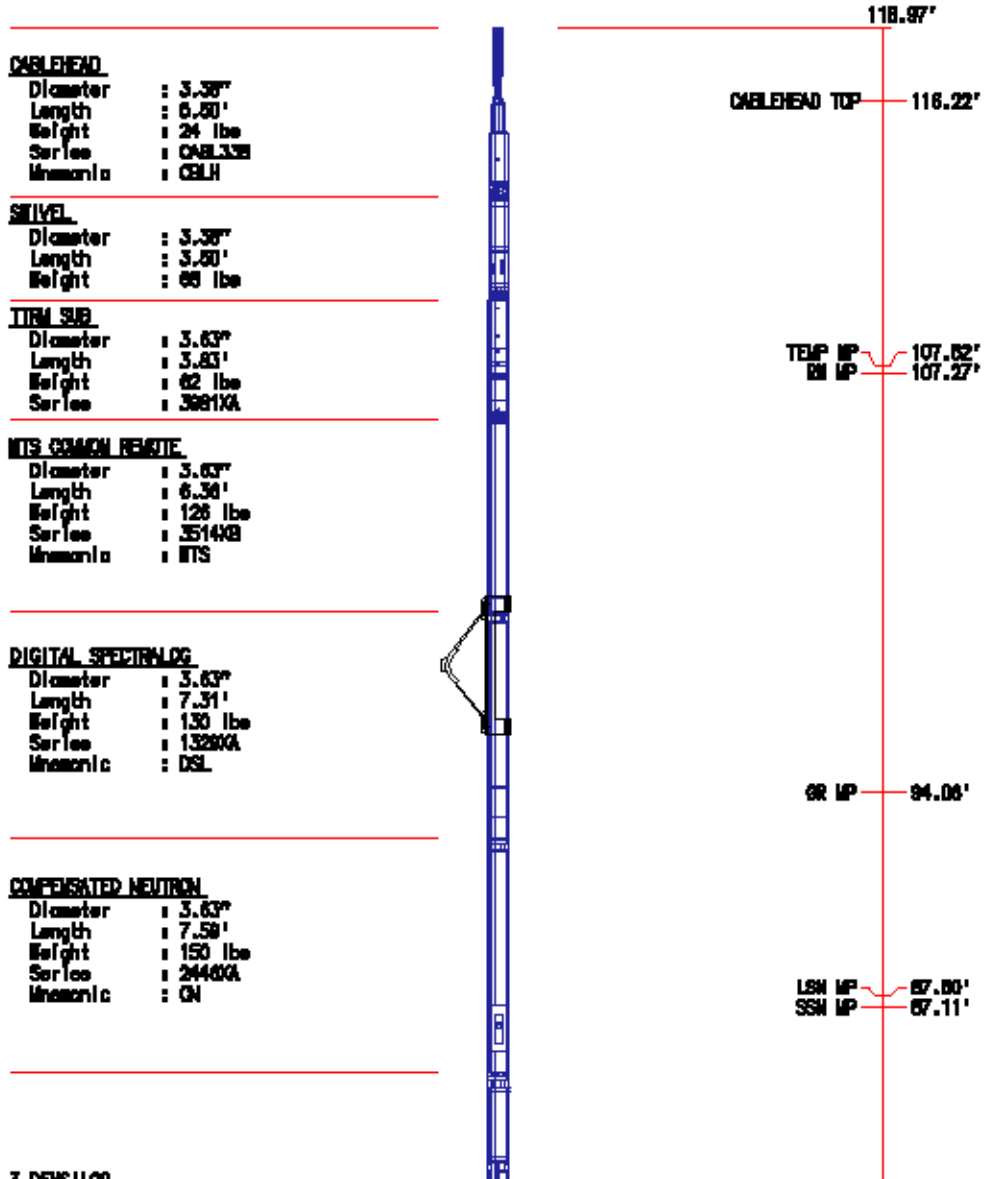
ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	-0.004	0.000	-0.001	-0.003	-0.004	-0.001	-0.001	-0.001
	-0.083 0.077	-0.061 0.058	-0.030 0.030	-0.032 0.028	-0.033 0.027	-0.031 0.029	-0.031 0.029	-0.033 0.027
Coil 0 Q	0.006	0.008	0.003	0.001	0.001	-0.000	-0.000	0.000
	-0.034 0.048	-0.113 0.127	-0.027 0.033	-0.030 0.030	-0.028 0.032	-0.030 0.030	-0.030 0.030	-0.030 0.030
Coil 1 R	-0.000	0.002	0.001	-0.002	-0.002	-0.001	-0.002	-0.004
	-0.082 0.078	-0.049 0.051	-0.028 0.032	-0.029 0.031	-0.030 0.030	-0.030 0.030	-0.031 0.029	-0.032 0.028
Coil 1 Q	0.002	0.006	0.005	0.002	0.001	0.001	0.001	0.000
	-0.397 0.403	-0.097 0.103	-0.028 0.032	-0.029 0.031	-0.028 0.032	-0.028 0.032	-0.028 0.032	-0.030 0.030
Coil 2 R	0.010	0.004	-0.005	-0.008	-0.006	-0.001	0.003	0.007
	-0.083 0.077	-0.029 0.031	-0.032 0.028	-0.034 0.028	-0.031 0.029	-0.033 0.027	-0.028 0.032	-0.026 0.036
Coil 2 Q	-0.006	0.003	0.008	0.002	-0.007	-0.011	-0.006	-0.003
	-0.353 0.347	-0.104 0.098	-0.028 0.032	-0.030 0.030	-0.031 0.029	-0.035 0.025	-0.033 0.027	-0.032 0.028
Coil 3 R	0.015	0.005	-0.003	-0.005	-0.003	0.001	0.001	-0.001
	-0.035 0.045	-0.039 0.041	-0.037 0.043	-0.037 0.043	-0.038 0.042	-0.040 0.040	-0.041 0.039	-0.040 0.040
Coil 3 Q	-0.015	-0.005	0.005	0.000	-0.007	-0.004	-0.001	-0.005
	-0.208 0.181	-0.088 0.072	-0.044 0.036	-0.038 0.041	-0.043 0.037	-0.040 0.040	-0.038 0.041	-0.038 0.042
Coil 4 R	0.006	0.015	-0.008	-0.020	-0.012	-0.002	0.008	0.002
	-0.087 0.083	-0.084 0.068	-0.085 0.066	-0.083 0.067	-0.080 0.080	-0.059 0.081	-0.064 0.088	-0.068 0.082
Coil 4 Q	-0.009	0.021	0.018	0.002	-0.005	-0.009	-0.006	0.003
	-0.306 0.294	-0.094 0.106	-0.059 0.081	-0.061 0.059	-0.061 0.059	-0.065 0.055	-0.057 0.063	-0.059 0.061
Coil 5 R	0.030	0.023	-0.009	-0.019	-0.008	-0.003	0.006	-0.003
	-0.127 0.113	-0.114 0.126	-0.111 0.129	-0.122 0.118	-0.122 0.118	-0.127 0.113	-0.127 0.113	-0.131 0.109
Coil 5 Q	-0.011	0.020	0.025	-0.001	-0.008	-0.008	0.004	0.001
	-0.808 0.564	-0.253 0.247	-0.121 0.119	-0.120 0.120	-0.122 0.118	-0.111 0.129	-0.108 0.132	-0.114 0.126
Coil 6 R	0.057	0.020	-0.053	-0.104	-0.074	-0.002	0.024	0.030
	-0.322 0.278	-0.310 0.290	-0.322 0.278	-0.334 0.266	-0.273 0.327	-0.293 0.307	-0.288 0.312	-0.268 0.332
Coil 6 Q	0.012	0.086	0.064	0.015	-0.059	-0.046	-0.042	-0.005
	-1.487 1.513	-0.572 0.628	-0.304 0.296	-0.320 0.280	-0.344 0.256	-0.320 0.280	-0.310 0.290	-0.316 0.284

ELEC. GAINS	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	126.65	125.34	122.87	119.42	114.87	109.26	102.58	94.75
	124.58 128.68	123.24 128.27	120.78 125.71	117.40 122.18	112.86 117.87	107.53 111.91	100.87 105.10	93.40 97.21
Coil 0 P	7.828	24.570	41.009	57.420	73.849	90.286	106.602	122.878
	4.848 10.848	21.850 27.850	38.123 44.123	54.543 60.543	70.992 76.992	87.419 93.419	103.822 109.822	120.185 126.185
Coil 1 M	222.23	220.16	216.27	210.85	203.86	195.13	184.81	172.86
	215.33 227.24	215.17 225.00	212.25 220.92	206.83 213.36	200.05 206.22	191.58 198.46	181.43 188.54	169.91 175.69
Coil 1 P	7.446	23.408	39.069	54.682	70.282	85.851	101.415	116.848
	4.478 10.478	20.524 26.524	36.230 42.230	51.868 57.868	67.488 73.488	83.104 89.104	98.717 104.717	114.246 120.246
Coil 2 M	442.00	437.39	428.66	416.56	400.46	380.69	357.06	329.87
	434.84 452.38	429.87 447.41	421.07 438.28	409.25 425.95	393.31 409.37	374.23 389.50	351.17 365.50	324.62 337.77

Coil 2 P	8.001 5.013 11.013	25.023 22.119 28.119	41.748 38.867 44.867	58.475 55.622 61.622	75.170 72.339 78.339	91.879 89.089 95.089	108.571 105.821 111.821	125.105 122.422 128.422
Coil 3 M	723.25 707.93 736.84	716.29 700.67 728.27	703.19 687.38 715.06	685.35 670.16 697.53	662.25 647.28 673.70	633.46 619.54 644.93	599.83 586.83 610.76	560.71 548.00 571.41
Coil 3 P	7.705 4.742 10.742	24.154 21.283 27.283	40.289 37.481 43.481	56.387 53.609 59.609	72.427 69.705 75.705	88.481 85.814 91.814	104.517 101.917 107.917	120.483 117.937 123.937
Coil 4 M	1127.4 1102.5 1147.5	1115.5 1090.1 1134.6	1093.1 1067.7 1111.3	1061.7 1037.4 1079.7	1020.7 997.2 1037.9	970.0 948.3 987.0	909.7 889.9 928.2	841.0 823.2 858.8
Coil 4 P	8.134 5.160 11.160	25.467 22.573 28.573	42.482 39.631 45.631	59.484 56.648 62.648	76.447 73.637 79.637	93.387 90.609 96.609	110.260 107.584 113.584	127.020 124.360 130.360
Coil 5 M	2295.4 2246.2 2338.8	2271.8 2223.9 2314.3	2226.3 2178.0 2268.6	2163.3 2116.6 2202.8	2081.1 2035.8 2118.8	1979.9 1938.1 2017.2	1859.8 1821.7 1895.1	1721.8 1686.8 1755.7
Coil 5 P	8.239 5.271 11.271	25.754 22.882 28.882	42.960 40.114 46.114	60.143 57.310 63.310	77.307 74.509 80.509	94.463 91.700 97.700	111.601 108.909 114.909	128.646 126.003 132.003
Coil 6 M	6077.5 5996.3 6208.6	5986.9 5873.1 6112.6	5818.8 5705.0 5937.9	5588.7 5478.4 5703.1	5305.2 5200.0 5412.3	4975.4 4877.9 5077.0	4603.6 4515.2 4699.5	4200.3 4116.8 4285.0
Coil 6 P	8.839 5.853 11.853	27.818 24.955 30.955	46.329 43.538 49.538	64.642 61.883 67.883	82.743 80.014 86.014	100.683 97.998 103.998	118.413 115.818 121.818	135.861 133.356 138.356

INSTRUMENT CONFIGURATION

Source File: /dall0/595631/m771f-tdg



ZONESHUTTLE
Diameter : 4.00"
Length : 11.22'
Weight : 350 lbs
Series : 2234XA
Mnemonic : ZOL

CNL MP — 76.84'
LSD MP — 76.12'
SSD MP — 75.72'

KNUCKLE JOINT (DOUBLE)
Diameter : 3.38"
Length : 4.65'
Weight : 80 lbs
Series : 3938XA
Mnemonic : KNJT

HIGH DEFINITION INDUCTION TOOL
Diameter : 3.62"
Length : 27.13'
Weight : 415 lbs
Series : 1515XA
Mnemonic : HDIL

SP MP — 55.77'

XMTR MP — 49.31'

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

ARRAY ACOUSTILOG ELECTRONICS, 8 CHANNEL
Diameter : 3.38"
Length : 7.82'
Weight : 102 lbs
Series : 1977EA
Mnemonic : XMAC

CROSS MULTIPOLE ARRAY ACOUSTILOG
Diameter : 3.78"
Length : 10.91'
Weight : 224 lbs
Series : 1978MC
Mnemonic : XMF1

R8 — 24.03'
R7 — 24.03'
R6 — 23.53'
R5 — 23.03'
R4 — 22.53'
R3 — 22.03'
R2 — 21.53'
R1 — 21.03'

SHEAR WAVE ACOUSTILOG
Diameter : 3.63"
Length : 5.00'
Weight : 135 lbs
Series : 1678PB
Mnemonic : XMAC

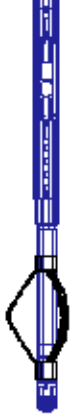
MULTI-POLE ARRAY ACOUSTIC
Diameter : 3.88"
Length : 7.92'
Weight : 170 lbs
Series : 1678BA
Mnemonic : XMAC

MULTI-POLE ARRAY ACOUSTIC
Diameter : 3.38"
Length : 4.32'
Weight : 98 lbs
Series : 1678FA
Mnemonic : MAC

TEMPERATURE
Diameter : 3.38"

BULL PLUG 3 3/8

TOTAL LENGTH: 118.97'
TOTAL WEIGHT: 2261 lbs
MAX DIAMETER: 0'4.88"



QUADRUPOLE T6 — 12.53' / 12.63'
X-DIPOLE T3 — 10.78'
Y-DIPOLE T4 — 10.78'
MONOPOLE T1 — 9.03'
TEMP MP — 8.88'

BAKER HUGHES	COMPANY	BRIDGE ENERGY	FILE NO:
	WELL	MAY 1-13	
	FIELD	WILDCAT	API NO:
	COUNTY	PAYETTE STATE IDAHO	11-075-20017
Baker Atlas	LOCATION: NW/4 NE/4	ELEVATIONS: KB 2188.8 FT, DF, GL 2169.8 FT	
	SEC 13 TWP 8N RGE 5W	DATE 02-OCT-2010	