



Baker Atlas



FILE NO: \_\_\_\_\_ COMPANY: **YULCAN MINERALS INC.**  
 WELL: **FLAT BAY NO. 3**  
 FIELD: **FLAT BAY**  
 PROVINCE: **NEWFOUNDLAND**

Ver: 3.87 LOCATION: LIC: 98-103  
 ST. GEORGES BAY  
 LAT 48.383334 N LONG 58.580253 W

PERMANENT DATUM: G.L. \_\_\_\_\_ ELEVATION: 50.0 M  
 LOG MEASURED FROM: K.B. \_\_\_\_\_ 3.3 M ABOVE P.D.  
 DRILL MEAS. FROM: KELLY BUSHING

OTHER SERVICES: ZIL-CM-GR  
 ELEVATIONS: KB 53.3 M  
 DF \_\_\_\_\_  
 OL 50.0 M

DATE	13-OCT-2005	TRIP	1
SERVICE ORDER	201902		
DEPTH DRILLER	570.5 M		
DEPTH LOGGER	570.2 M		
BOTTOM LOGGED INTERVAL	387.0 M		
TOP LOGGED INTERVAL	140.7 M		
CASING DRILLER	177.8 M		Ø 140.9 M
CASING LOGGER	140.7 M		
BIT SIZE	189.0 MM		
TYPE OF FLUID IN HOLE	AIR		
DENSITY	N/A	VISCOSITY	N/A
PH	N/A	FLUID LOSS	N/A
SOURCE OF SAMPLE	N/A		
RM AT MEAS. TEMP.	N/A		Ø N/A
RMF AT MEAS. TEMP.	N/A		Ø
RMG AT MEAS. TEMP.	N/A		Ø
SOURCE OF RMF	N/A	RMG	N/A
RM AT BHT	N/A		Ø N/A
TIME SINCE CIRCULATION	N/A		
MAX. RECORDED TEMP.	4.0 DEGC		
EQUIP. NO.	HSL 8816	LOCATION	SARINIA
RECORDED BY	Y. OBIRI		
WITNESSED BY	P. LAROCK		

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.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
158.0 MM	140.87 M	570.5 M

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
244.5 MM	35.8 KG/M	K-55	0 M	29.01 M
177.8 MM	28.8 KG/M	H-40	29.01 M	140.87 M

**REMARKS**

RUN 1 TRIP 1: DRILLING COMPLETED: 21:00 HRS. 12-OCT-05  
 WELL WAS AIR DRILLED.

TIME ENTERING HOLE: 23:10 HRS. 13-OCT-05  
 TIME AT BOTTOM: 23:30 HRS. 13-OCT-05  
 TIME LAST ON BOTTOM: 23:50 HRS. 13-OCT-05  
 TIME EXITING HOLE: 01:00 HRS. 14-OCT-05

HDIL/ZDL/CM/GR RUN IN COMBINATION.

\*\*\*\*\*  
 TRUE RESOLUTION - QUALITY PLOT: DISPLAYS THE TRUE RESOLUTION MATCHED (TRF)  
 CURVES WITH 10" 20" 30" 80" 90" 120" MEDIAN DEPTH OF INVESTIGATION

CURTED WITH 10, 20, 30, 40, 50, 120 METER DEPTH W INVESTIGATION  
 THEIR VERTICAL RESOLUTION DIFFERS FROM CURVE TO CURVE AS IT DEPENDS ON THE  
 DEPTH OF INVESTIGATION (DOI) - VARYING BETWEEN 1.0 AND 2.0 TIMES THE DOI.  
 THESE TRF CURVES PROVIDE AN EXCELLENT QUALITY CHECK AND SHOULD BE EXAMINED  
 WHENEVER UNEXPLAINED SPIKES OR ANOMALIES APPEAR ON THE MAIN VERTICAL RESOLUTION  
 MATCHED (VRM) CURVES - DUE TO BAD BOREHOLE CONDITIONS AND/OR WHEN VERY  
 CONDUCTIVE INVASION EXISTS.  
 \*\*\*\*\*

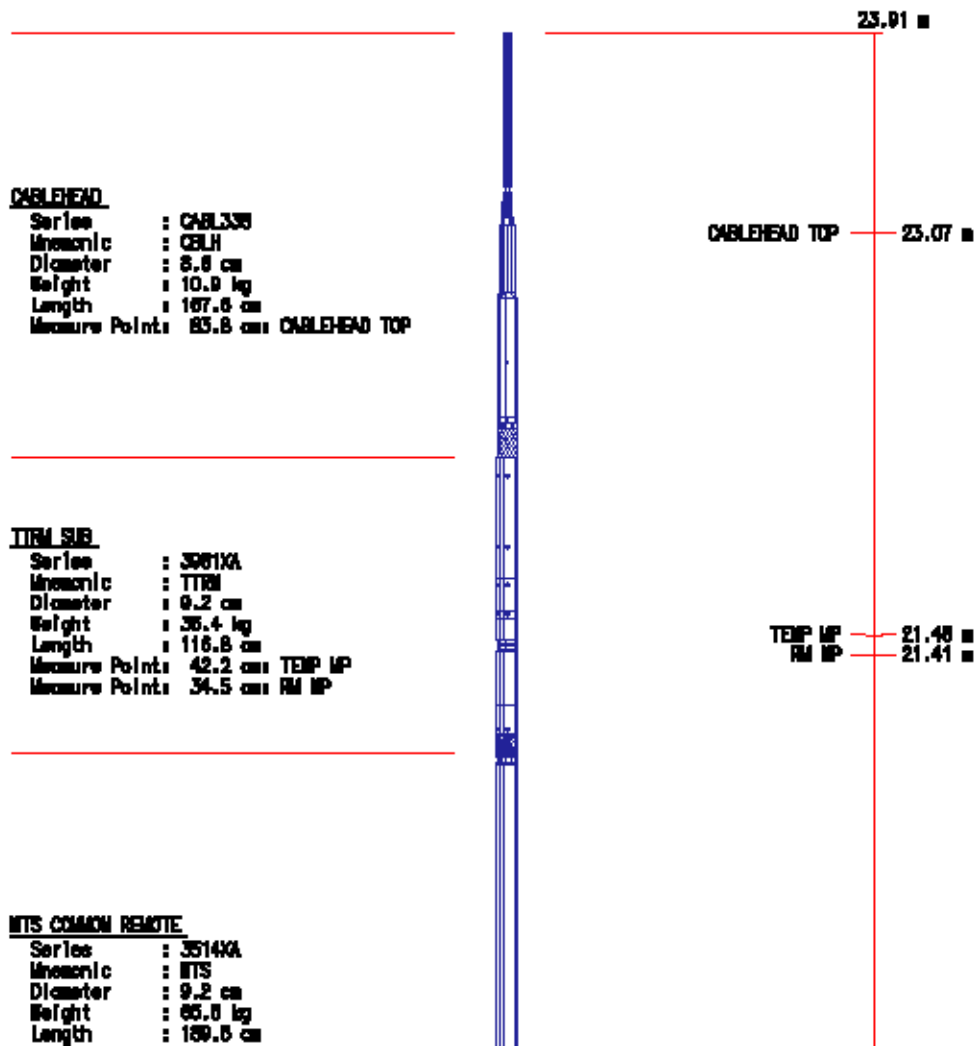
CREW : D.KIRWAN\*P. POMERLEAU

**EQUIPMENT DATA**

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	TTRM	3681XA	178328	FREE
1	1	COM REM	3514XA	153384	FREE
1	1	DGR	1328XA	153172	FREE
1	1	KNJT	3623XA	186278	KNUCKLE JOINT
1	1	ZDL E	2228EA	156337	DECENTRALIZED
1	1	ZDL M	2228MA	153038	PAD DEVICE X-AXIS
1	1	CN	2446XA	173080	DECENTRALIZED
1	1	HDIL E	1515EA	177888	FREE
1	1	HDIL M	1515MA	167583	25.4 MM STAND-OFF

**INSTRUMENT CONFIGURATION**

Source File: /colla/pasa/ru\_LMS/hdl-tdg



**DIGITAL SPECTRUM LOG**

Series : 13280A  
Mnemonic : DSL  
Diameter : 9.2 cm  
Weight : 84.5 kg  
Length : 222.8 cm  
Measure Point: 48.8 cm: GR MP

GR MP — 17.43 m

**COMPENSATED NEUTRON**

Series : 24400A  
Mnemonic : CN  
Diameter : 9.2 cm  
Weight : 66.2 kg  
Length : 231.4 cm  
Source Type : AM241BE  
Strength : 16 curies  
Measure Point: 60.3 cm: LSN MP  
Measure Point: 66.2 cm: SSN MP

LSN MP — 16.43 m

SSN MP — 16.31 m

**Z-DENS LOG**

Series : 22280A  
Mnemonic : ZDL  
Diameter : 12.4 cm  
Weight : 213.6 kg  
Length : 664.6 cm  
Source Type : CS137

Strength : 2.0 curies  
Measure Points: 107.7 cms SSD MP  
Measure Points: 87.3 cms CAL / ZSPEC MP

SSD MP : 10.08 m  
CAL / ZSPEC MP : 9.95 m

**KNUCKLE JOINT**

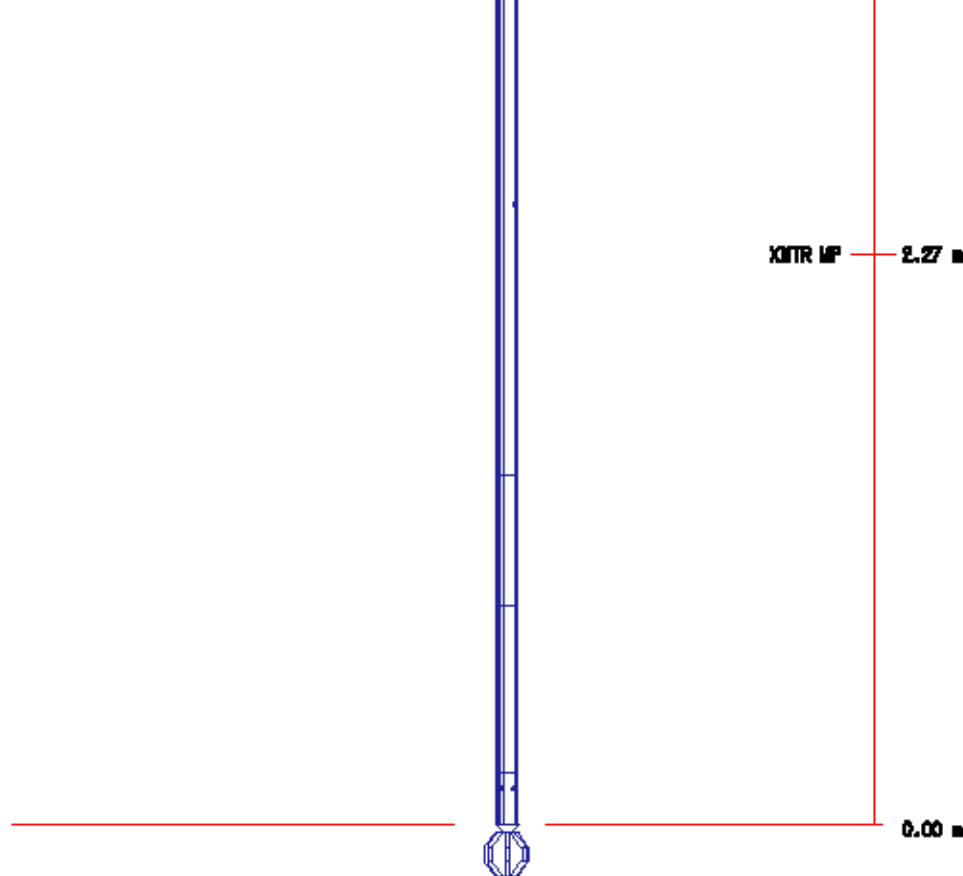
Series : J0230A  
Manoia : KAJT  
Diameter : 8.6 cm  
Height : 21.8 kg  
Length : 70.8 cm

**HIGH DEFINITION INDUCTION TOOL**

Series : 16150A  
Manoia : HDIL  
Diameter : 8.2 cm  
Height : 200.5 kg  
Length : 827.0 cm  
Measure Points: 425.8 cms SP MP  
Measure Points: 226.8 cms XMR MP

SP MP : 4.24 m





TOTAL LENGTH: 24.11 m  
 TOTAL WEIGHT: 883.2 kg  
 MAX DIAMETER: 16.2 cm

## MAIN LOG - UPPER PRESENTATION

ECLIPS 5.01 Dec 17, 2003  
 Updates: 1,2,3,32

Perpl /main/59

Cplot 7.09  
 Pdf\_Cpp /main/16

Fri Oct 14 01:48:33 2005  
 Fileview 4.67

### PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pasa/vul\_filt/1777-Jc03.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 0.000 m BOTTOM DEPTH: 0.000 m

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
TTM	FILTER ( )	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
Y AXIS CALIPER	FILTER ( )	light (2)		"	"
TENSION	FILTER ( )	medium (1)		"	"
GR	FILTER ( )	medium (1)		"	"

#### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	m	TOP	BOTTOM
BIT SIZE	BIT SIZE	159.000	m	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh°)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh°)	162.500	m	"	"

MUD VALUES SOURCE	RMD SOURCE (HDIL)	TOOL MEASURED			
MUD VALUES	MUD SAMPLE TEMP	23.9	degC		
	MUD SAMPLE RES	1.000	ohm.m		
	MUD REFERENCE TEMP	23.9	degC		
	TEMP GRADIENT	2.187	0.01 degC/m		

### HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RKTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON			
	ABC to CALCULATE	MUD CONDUCTIVITY			
	STANDOFF	25.40	mm		
	TOOL POSITION	ECCENTERED			
	Rmsd MULTIPLIER	1.000			

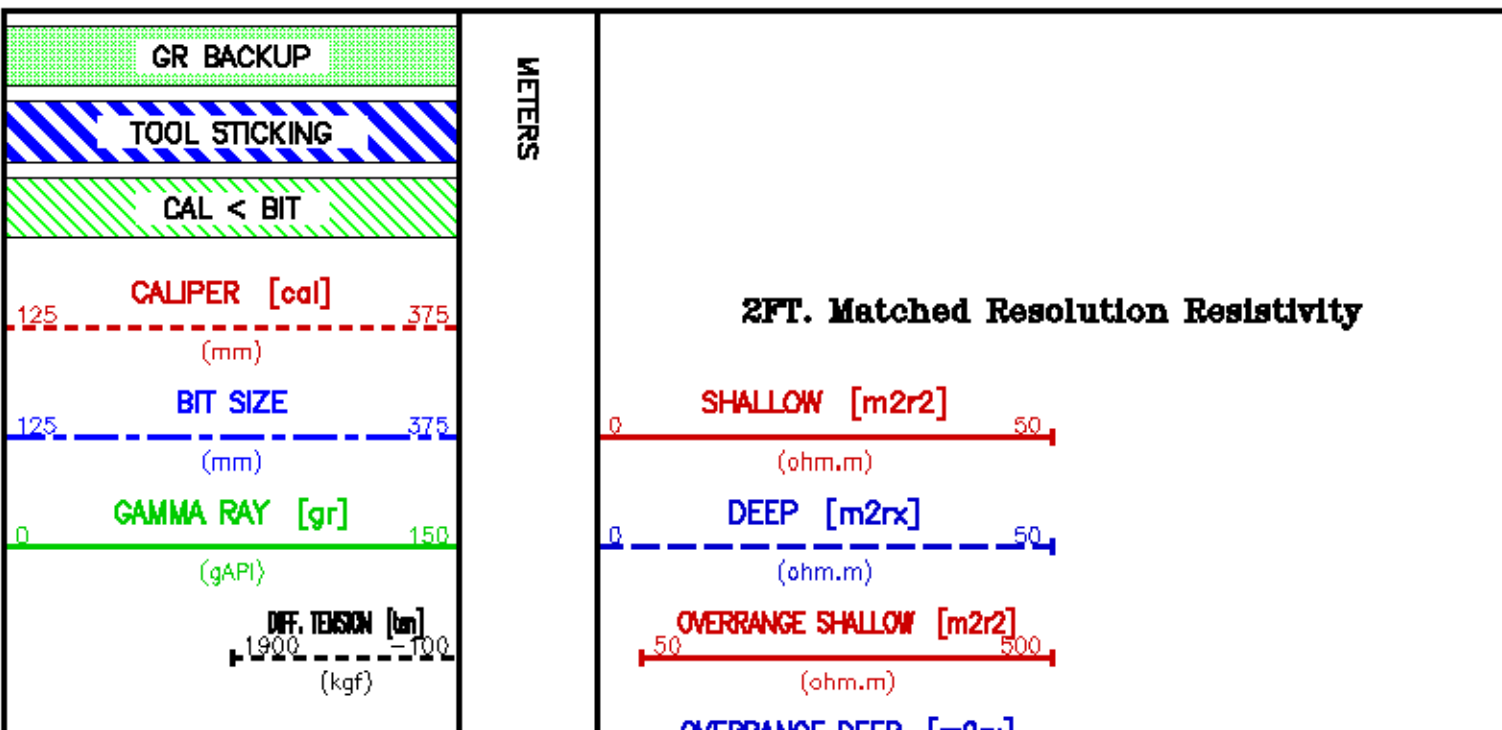
### CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Oct 13 23:51:57 2005	BIT SIZE
F1:BVOL	BVOL	Oct 13 23:51:57 2005	BOREHOLE VOLUME
F1:CAL	CAL	Oct 13 23:51:57 2005	CALIPER
F1:DEPTH	MATCH_2_RES_DATA	Oct 13 23:51:57 2005	SYSTEM DEPTH
F1:GR	GR	Oct 13 23:51:57 2005	GAMMA RAY
F1:M2R2	M2R2V	Oct 13 23:51:57 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH
F1:M2RX	M2RXL	Oct 13 23:51:57 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 120 INCH
F1:MMRK	MMRK	Oct 13 23:51:57 2005	MINUTE MARK
F1:TEN	TEN	Oct 13 23:51:57 2005	DIFFERENTIAL TENSION
F1:WTH	WTH	Oct 13 23:51:57 2005	TEMPERATURE OF THE BOREHOLE

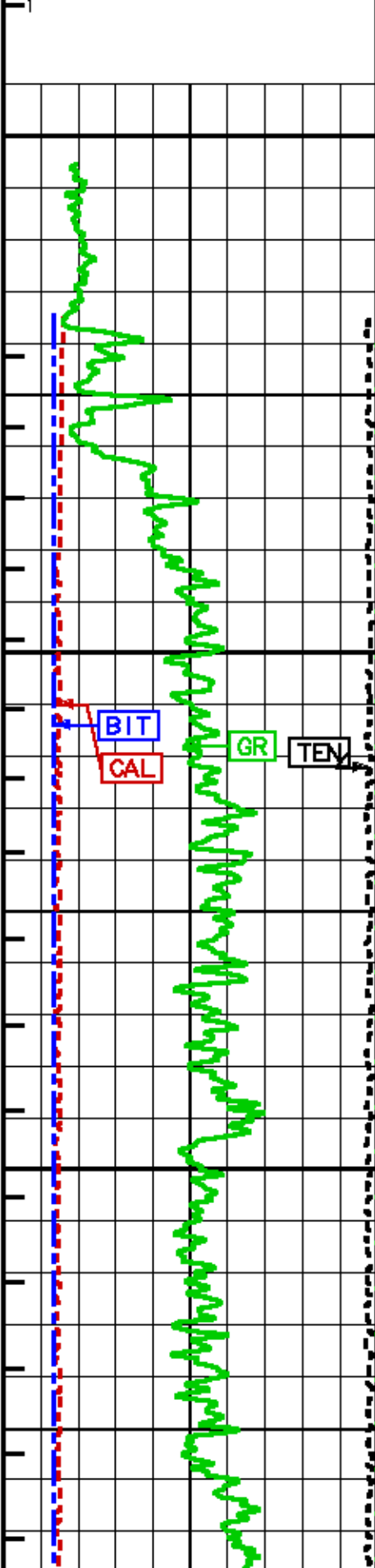
### CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	GR	17.41	M2RX	2.44		
CAL	9.94	M2R2	2.44	TEN	0.00		

Presentation : c:\p1\data\pasm\val\_513\hdil\_upper.pdf [1:600 Scale]  
 Plot Interval : 98.1644 - 372.181 Meters  
  
 Data File 1 : F1 : c:\p1\data\pasm\val\_513\1777.k03.xdf  
 Created On : Oct 13 23:51:57 2005  
 Company : VULCAN MINERALS INC.  
 Well : FLAT BAY #3  
 Field : FLAT BAY  
 File Interval : 98.1644 - 372.181 Meters  
 Oct : 1777.k



MINUTE MARK



BVOL  
0.1  
10

100

CSG

150

BIT  
CAL

GR

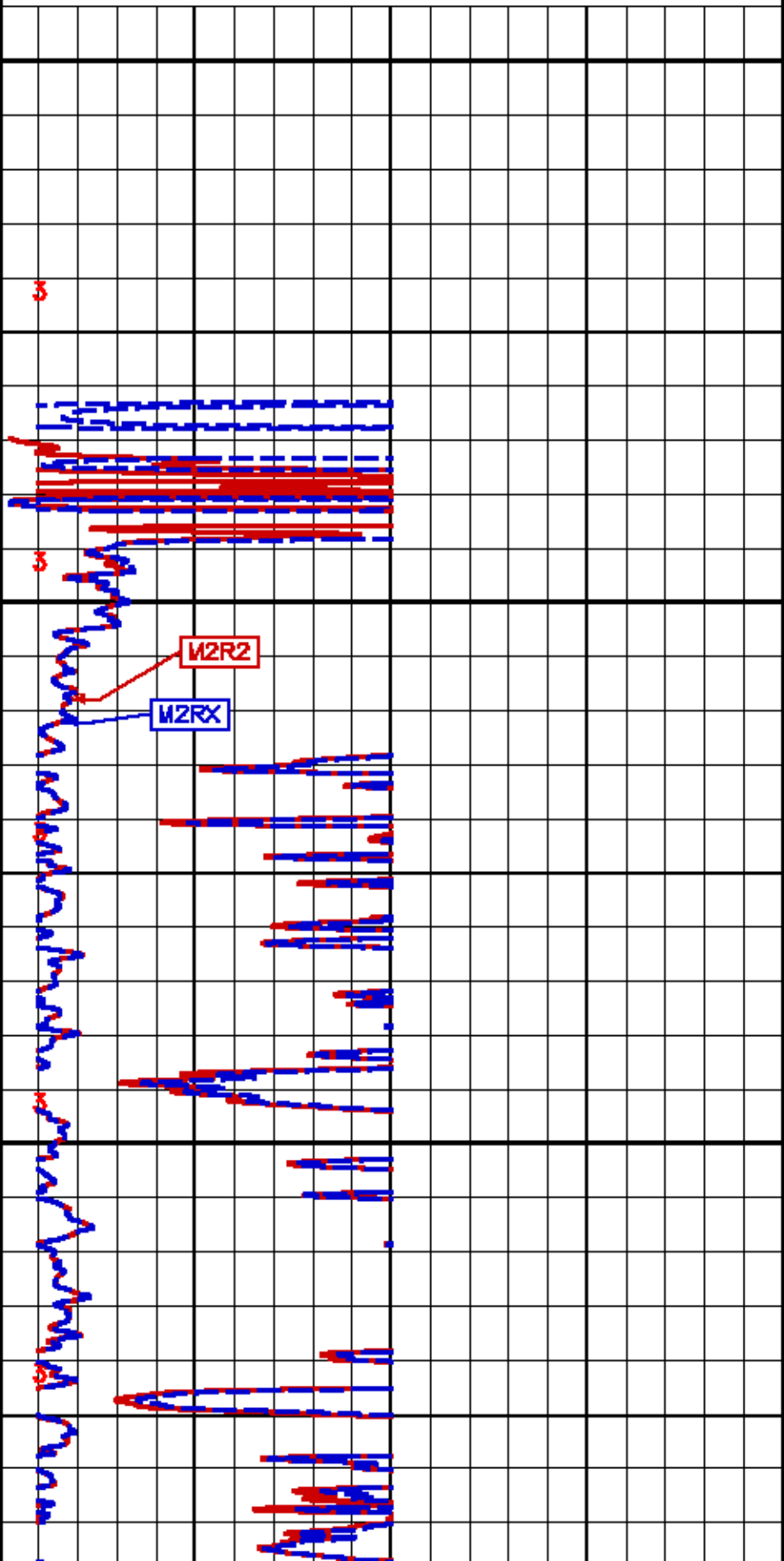
TEN

200

50

OVERRRANGE DEEP [mZRX]  
50 500  
(ohm.m)

WTBH  
(degC)



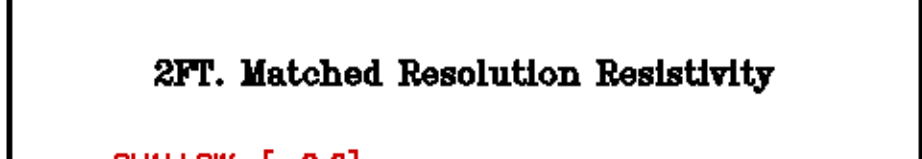
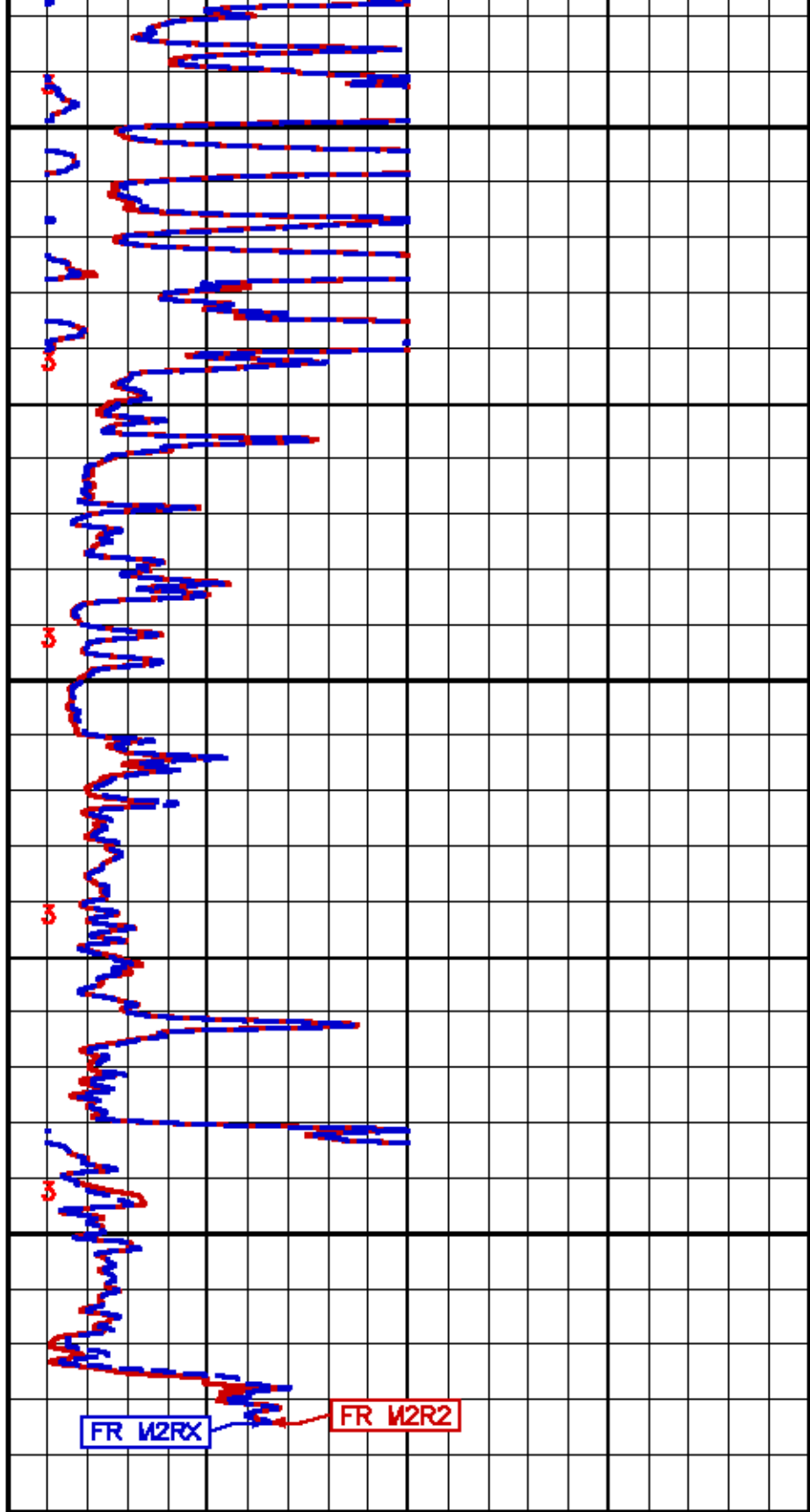
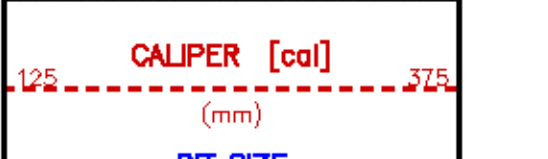
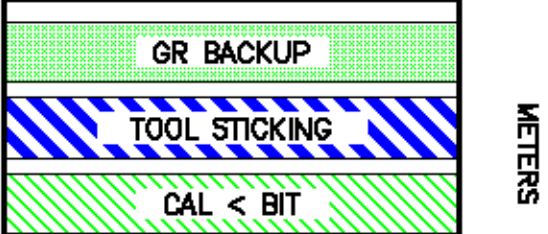
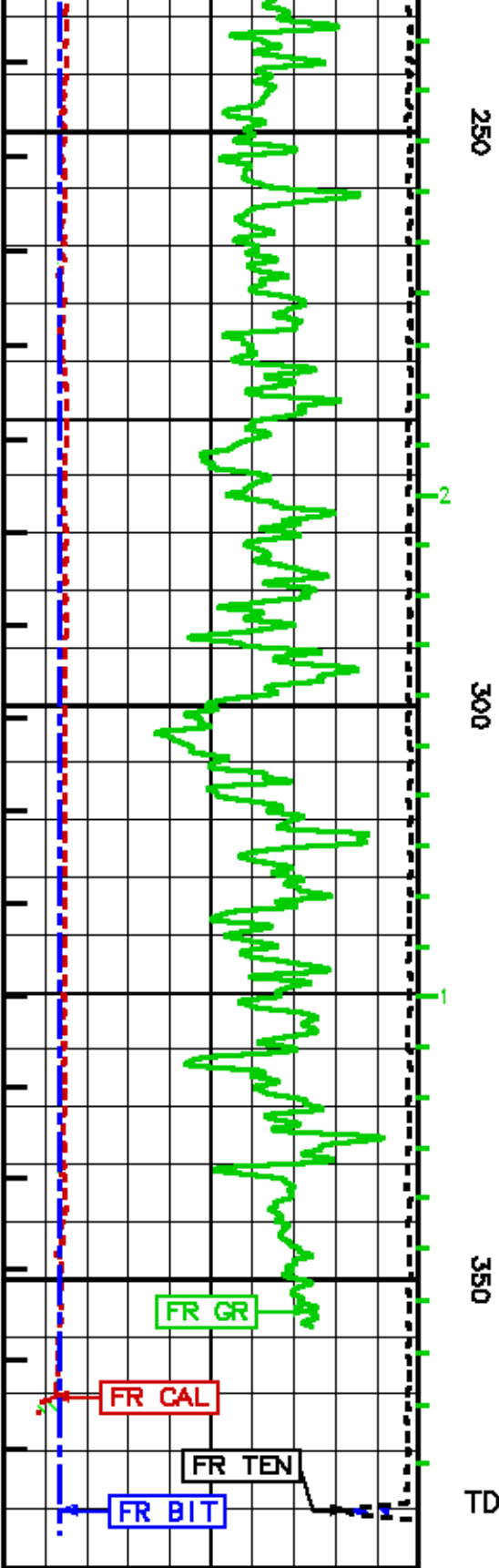
S

M2R2

M2RX

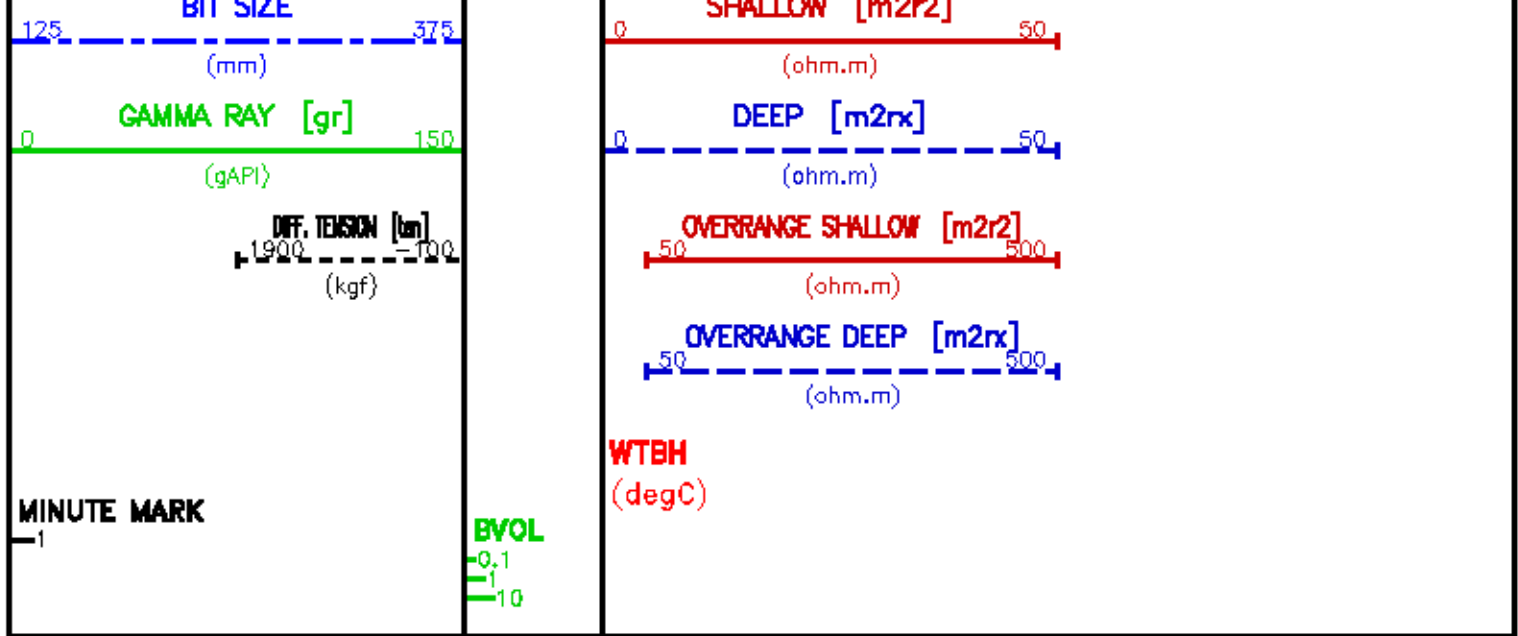
S

S



2FT. Matched Resolution Resistivity





## MAIN LOG

ECLIPS 5.01 Dec 17, 2003  
 Updates: 1,2,3,32

Perplot /main/59

Cplot 7.09  
 Pdf\_Cpp /main/16

Fri Oct 14 01:18:57 2005  
 Fileview 4.67

### PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/pasa/vul\_fil3/1777.h03.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 0.000 m BOTTOM DEPTH: 0.000 m

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
TTM	FILTER ( )	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
Y AXIS CALIPER	FILTER ( )	light (2)		"	"
TENSION	FILTER ( )	medium (1)		"	"
GR	FILTER ( )	medium (1)		"	"

#### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	m	TOP	BOTTOM
BIT SIZE	BIT SIZE	158.000	m	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mht*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mht*)	182.500	m	"	"
MUD VALUES SOURCE	RUID SOURCE (HDIL)	TOOL MEASURED		"	"
MUD VALUES	MUD SAMPLE TEMP	23.9	degC	"	"
	MUD SAMPLE RES	1.000	ohm.m	"	"
	MUD REFERENCE TEMP	23.9	degC	"	"
	TEMP GRADIENT	2.187	0.01 degC/m	"	"

#### HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	MUD CONDUCTIVITY		"	"
	STANDARD	DE 40		"	"

### CURVE DESCRIPTION REPORT

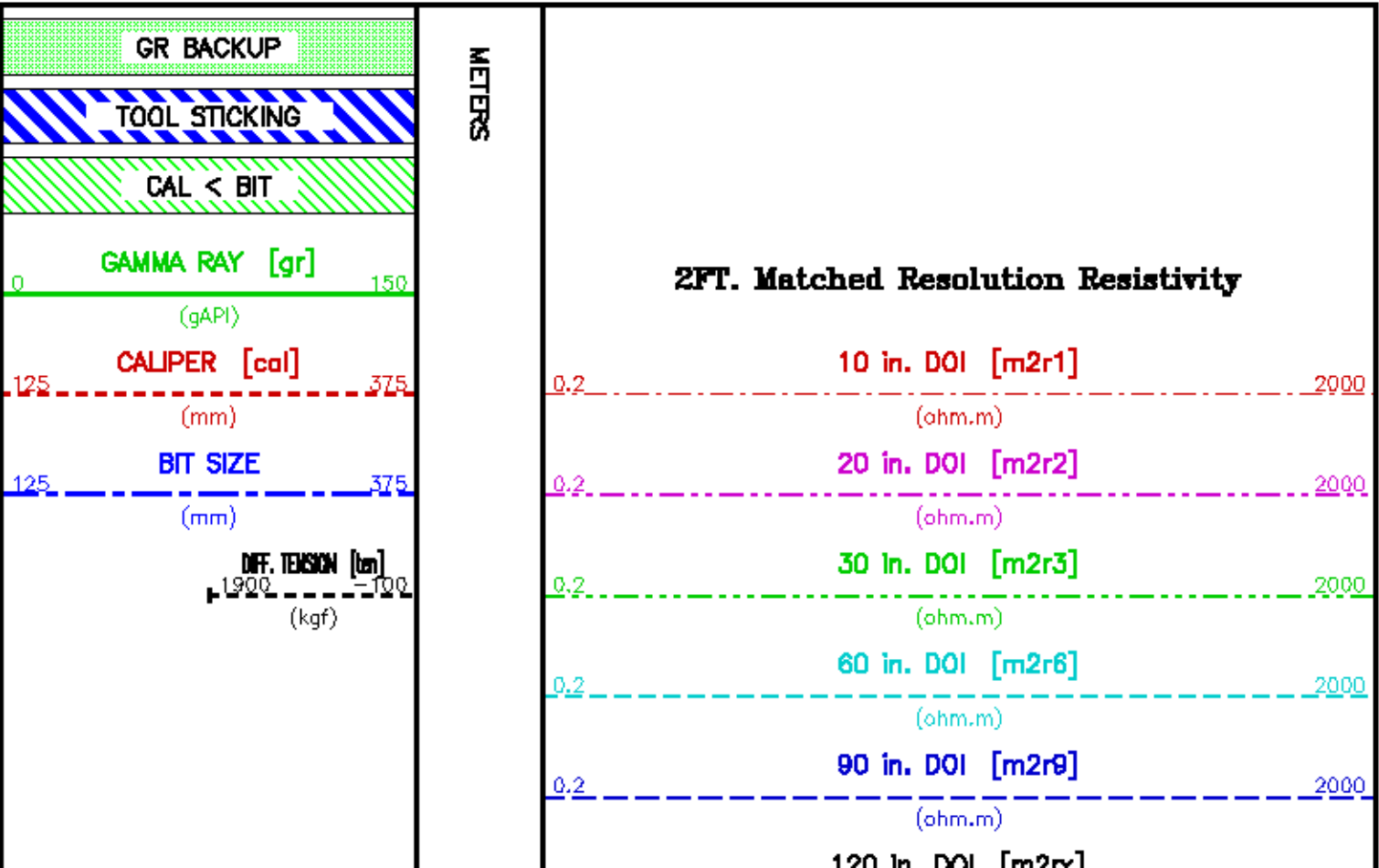
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Oct 13 25:51:57 2005	BIT SIZE
F1:BVOL	BVOL	Oct 13 25:51:57 2005	BOREHOLE VOLUME
F1:CAL	CAL	Oct 13 25:51:57 2005	CALIPER
F1:DEPTH	MATCH_2_RES_DAW	Oct 13 25:51:57 2005	SYSTEM DEPTH
F1:GR	GR	Oct 13 25:51:57 2005	GAMMA RAY
F1:M2R1	M2R1	Oct 13 25:51:57 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 10 INCH
F1:M2R2	M2R2	Oct 13 25:51:57 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH
F1:M2R3	M2R3	Oct 13 25:51:57 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 30 INCH
F1:M2R6	M2R6	Oct 13 25:51:57 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 60 INCH
F1:M2R9	M2R9	Oct 13 25:51:57 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 90 INCH
F1:M2RX	M2RX	Oct 13 25:51:57 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 120 INCH
F1:MMRK	MMRK	Oct 13 25:51:57 2005	MINUTE MARK
F1:TEN	TEN	Oct 13 25:51:57 2005	DIFFERENTIAL TENSION
F1:WTBH		Oct 13 25:51:57 2005	TEMPERATURE OF THE BOREHOLE

### CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	M2R1	2.44	M2R6	2.44	TEN	0.00
CAL	9.94	M2R2	2.44	M2R9	2.44		
GR	17.41	M2R3	2.44	M2RX	2.44		

Presentation : opul:/data/pass/vul\_f113/hd11\_maha.pdf [1:240 Scale]  
 Plot Interval : 96.1644 - 372.161 Meters

Data File 1 : F1 : opul:/data/pass/vul\_f113/1777.kr03.xdf  
 Created On : Oct 13 25:51:57 2005  
 Company : VULCAN MINERALS INC.  
 Well : FLAT BAY #3  
 Field : FLAT BAY  
 File Interval : 96.1644 - 372.161 Meters  
 Oct : 1777.kr



0.2

120 in. DSI [m2/A]

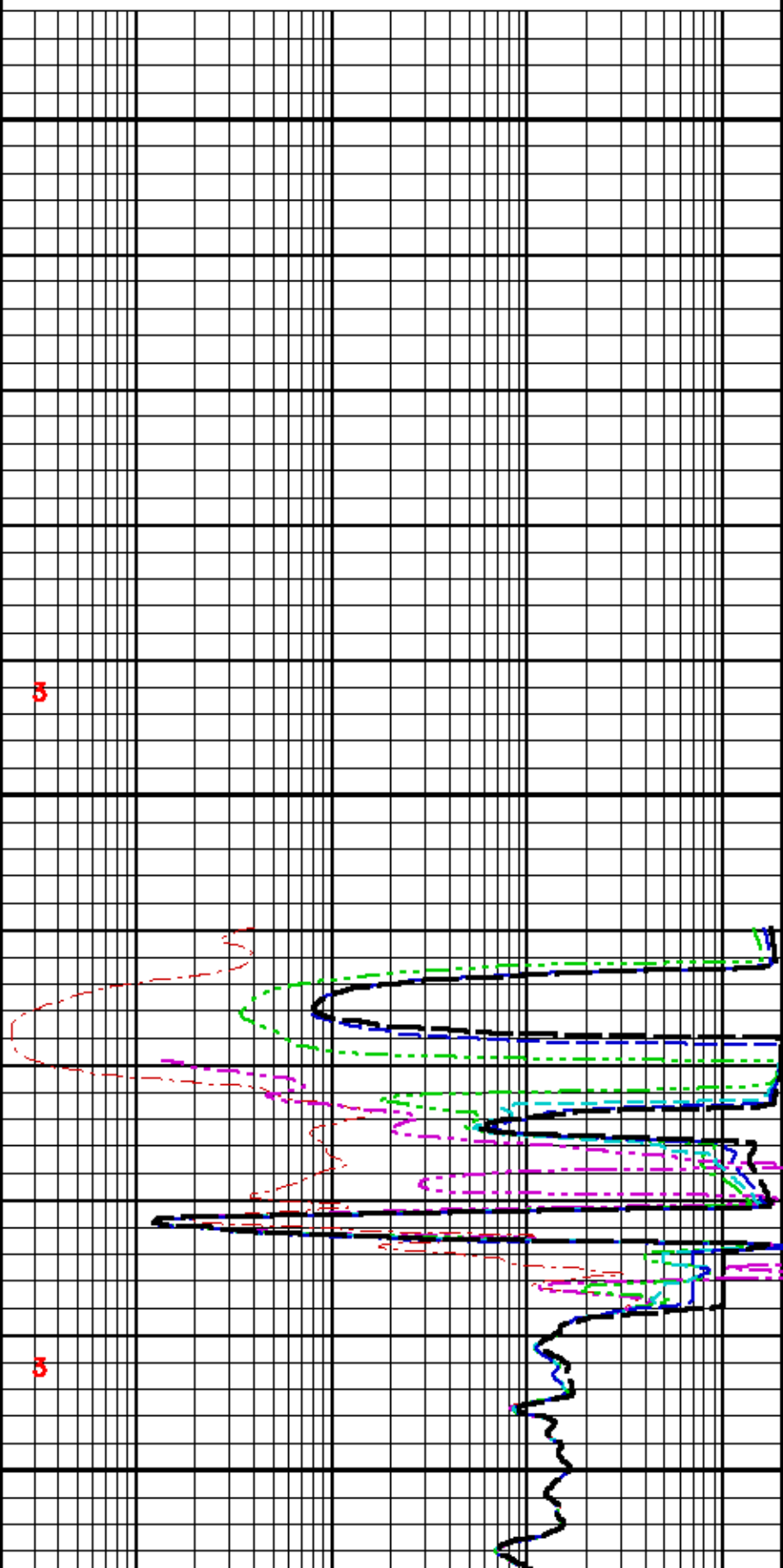
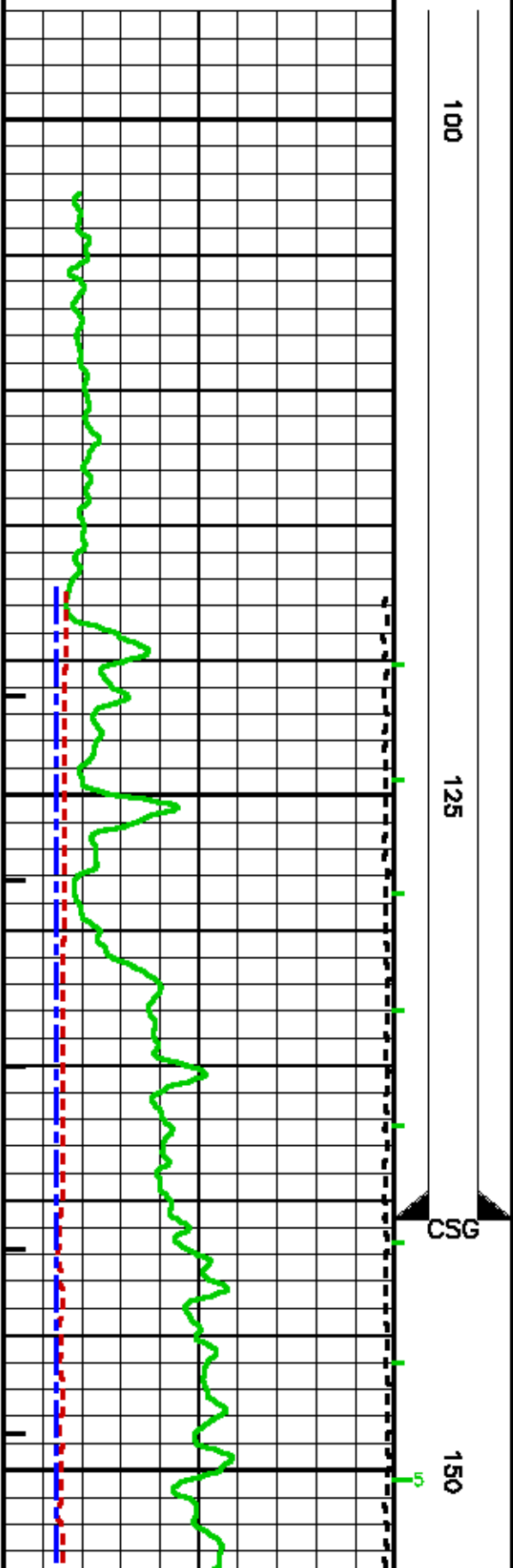
2000

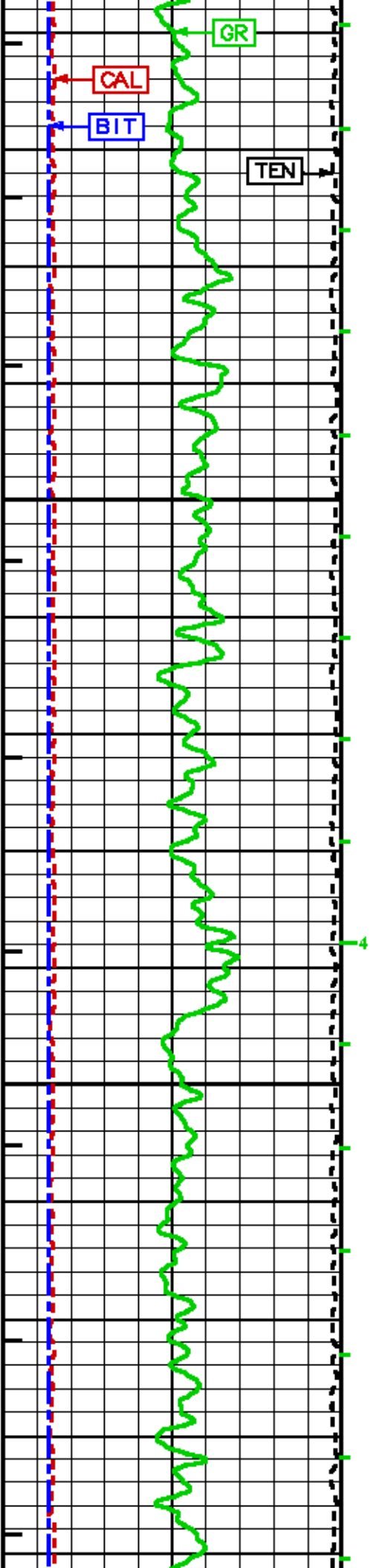
(ohm.m)

WTBH  
(degC)

MINUTE MARK

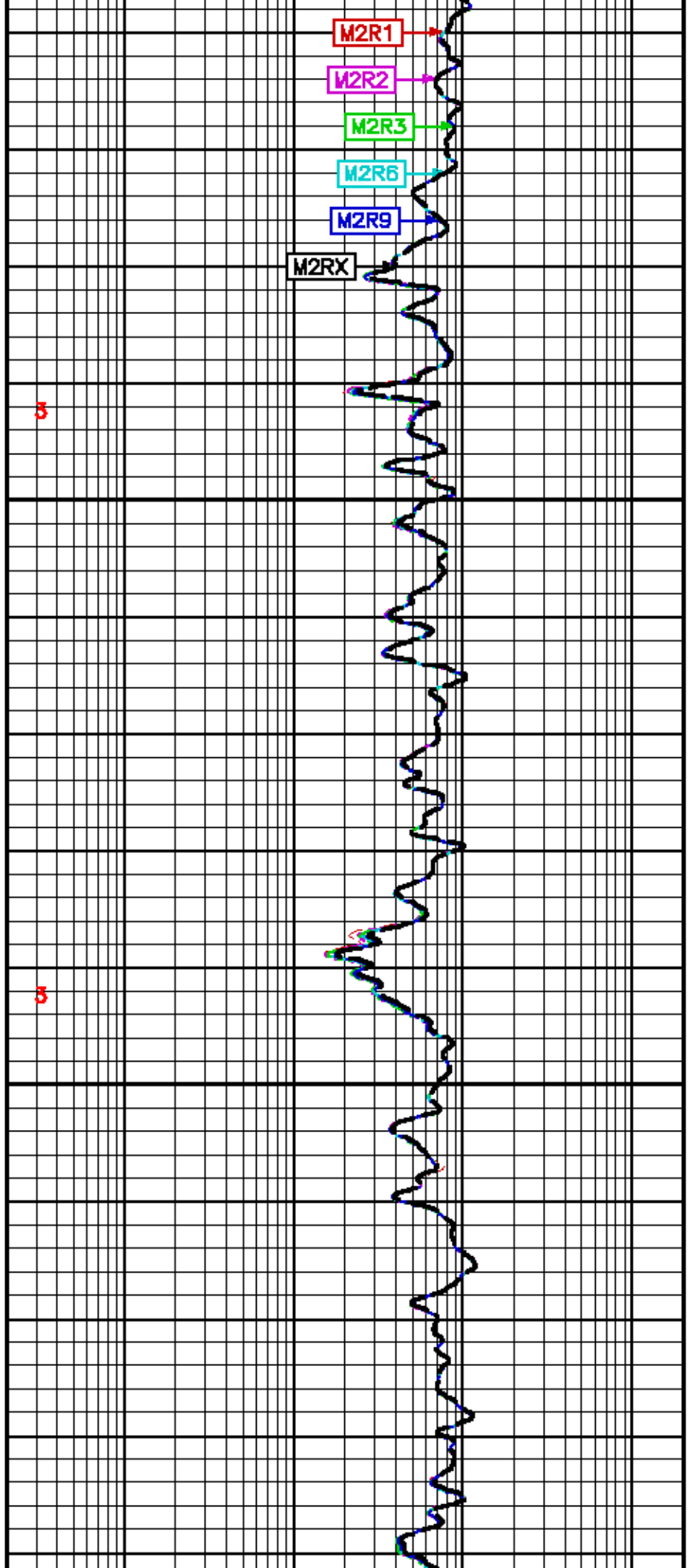
BVOL  
0.1  
1  
10

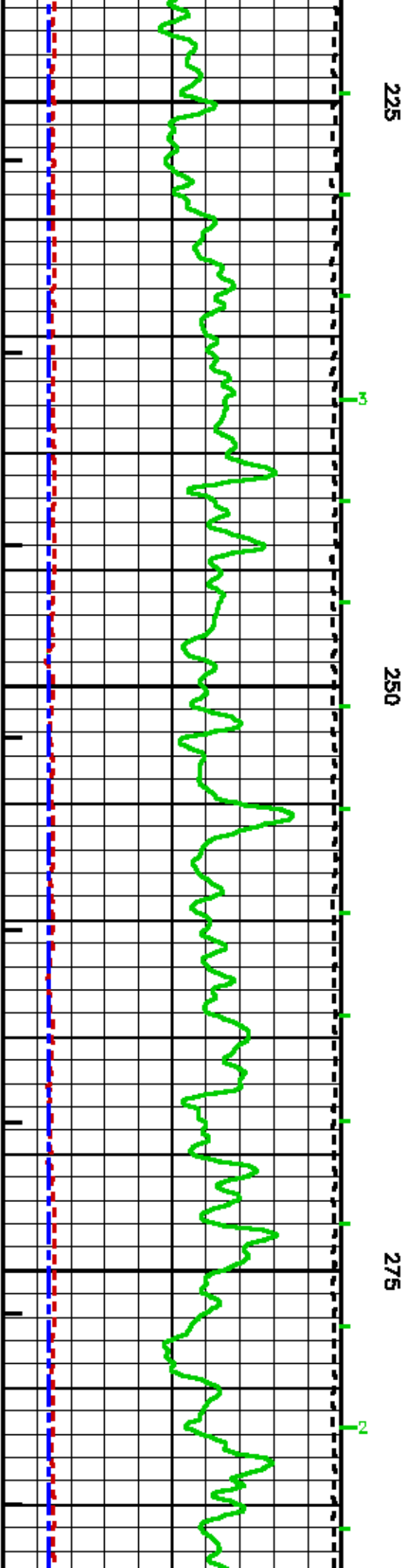
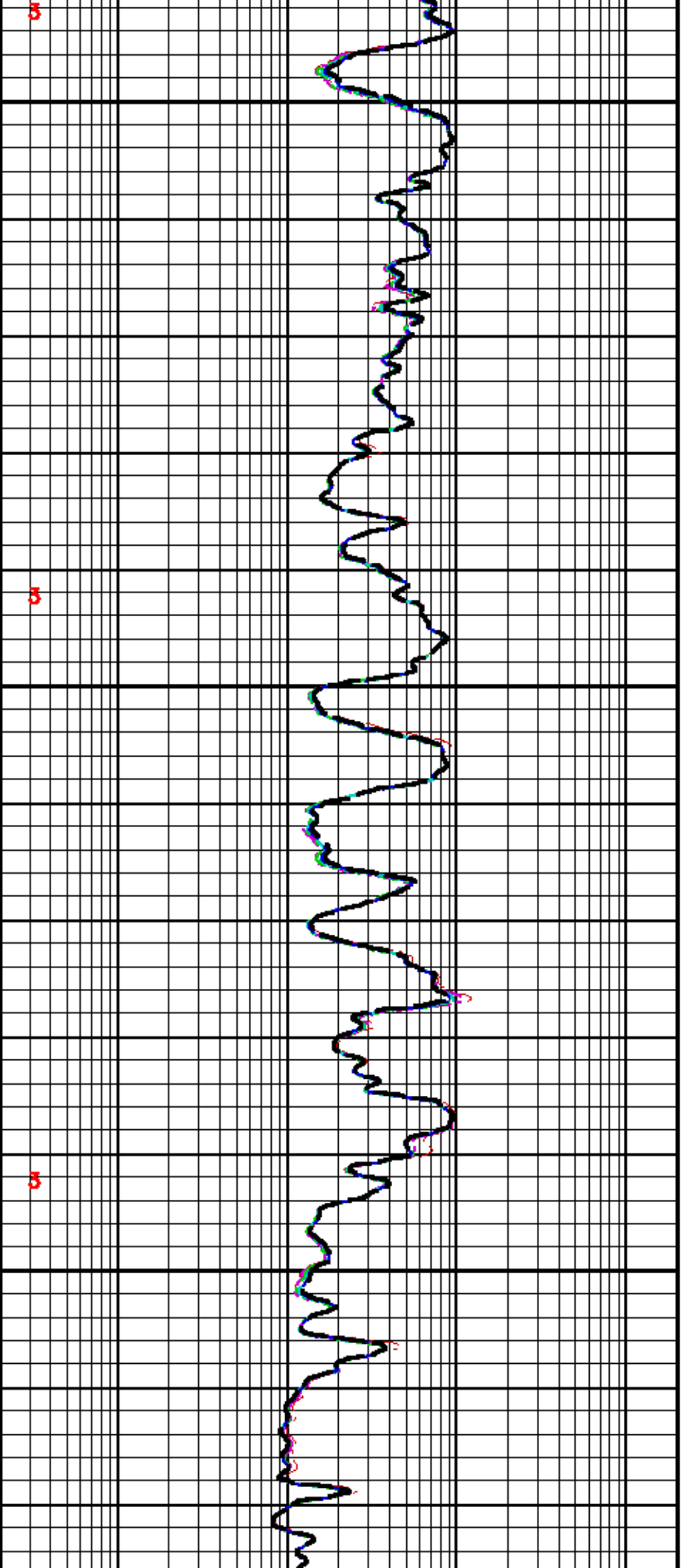


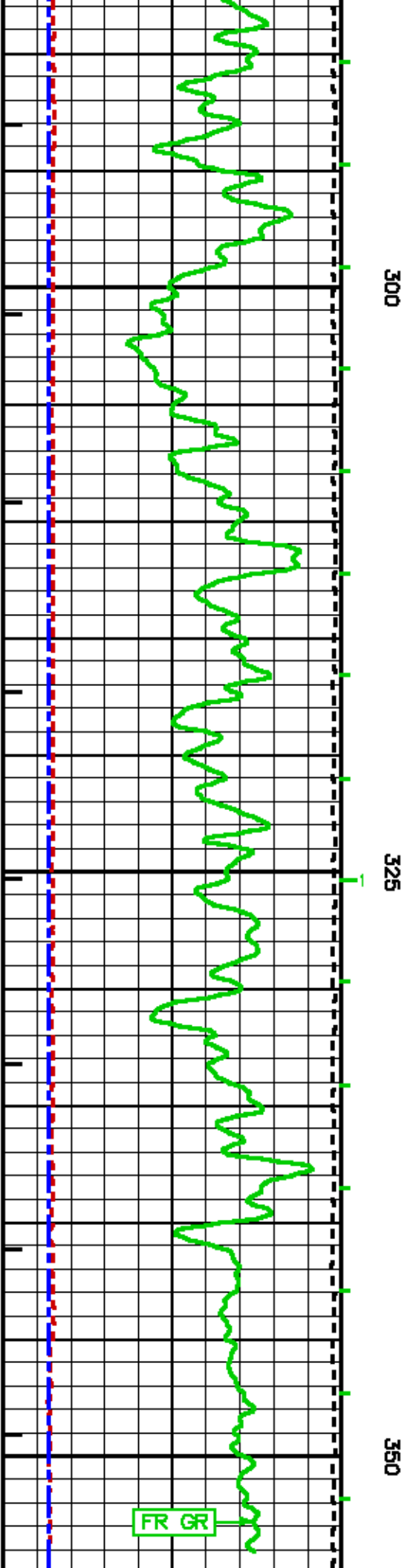
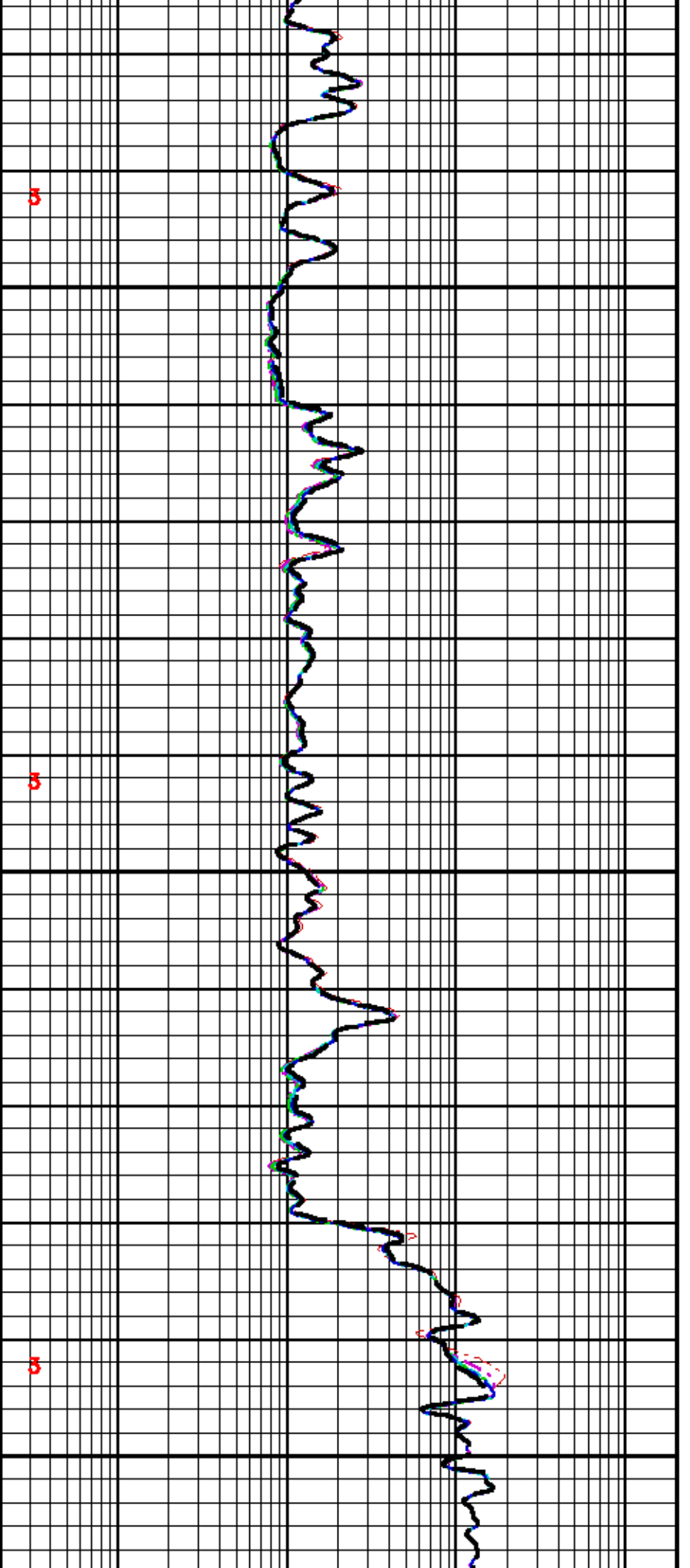


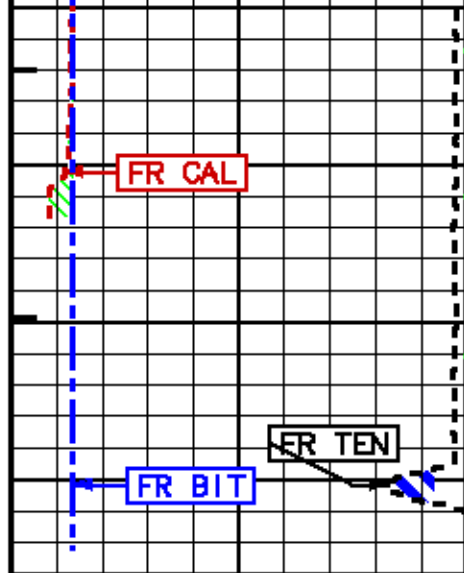
175

200









GR BACKUP

TOOL STICKING

CAL < BIT

GAMMA RAY [gr]

(gAPI)

CALIPER [cal]

(mm)

BIT SIZE

(mm)

DIFF. TENSION [tm]

(kgf)

MINUTE MARK

BVOL

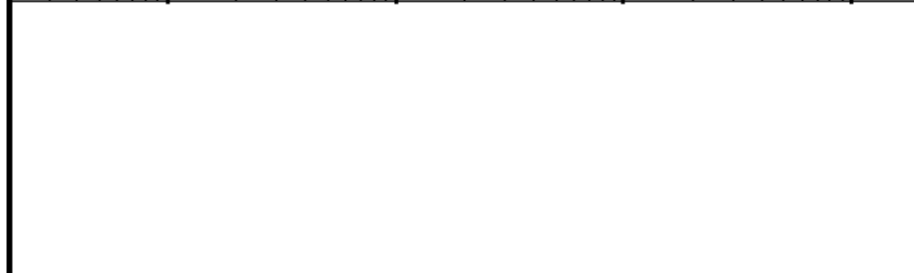
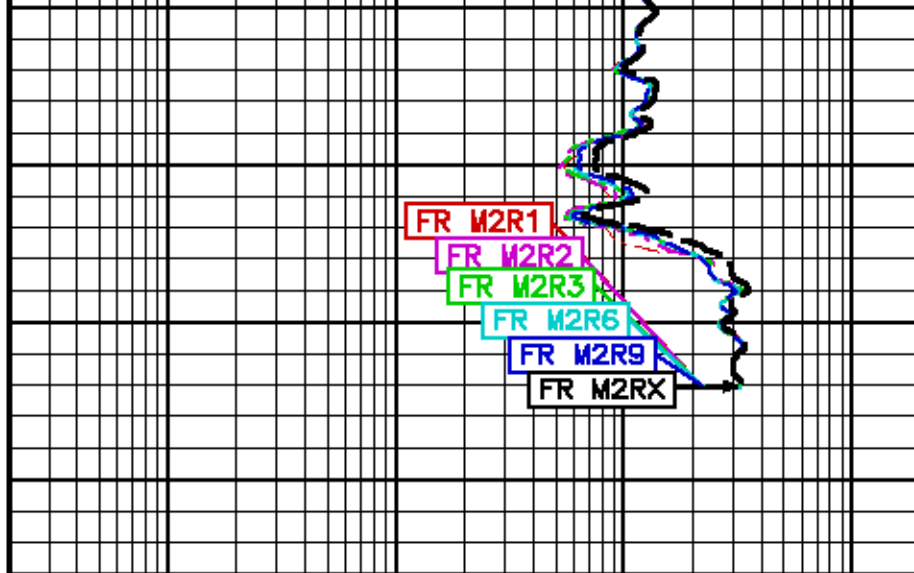
0.1

1

10

TD

METERS



10 in. DOI [m2r1]

(ohm.m)

20 in. DOI [m2r2]

(ohm.m)

30 in. DOI [m2r3]

(ohm.m)

60 in. DOI [m2r6]

(ohm.m)

90 in. DOI [m2r9]

(ohm.m)

120 in. DOI [m2rx]

(ohm.m)

WTBH

(degC)

**REPEAT LOG**

### PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/pasa/vul\_fil3/1777.hc801.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 278.816 m BOTTOM DEPTH: 388.427 m

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
TTRM	FILTER ( )	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
Y AXIS CALIPER	FILTER ( )	light (2)		"	"
TENSION	FILTER ( )	medium (1)		"	"
GR	FILTER ( )	medium (1)		"	"

#### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASINO - BOREHOLE & CEMENT VOLUME	CASINO O.D.	114.300	mm	TOP	BOTTOM
BIT SIZE	BIT SIZE	159.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	162.500	mm	"	"
MUD VALUES SOURCE	RUID SOURCE (HDIL)	TOOL MEASURED		"	"
MUD VALUES	MUD SAMPLE TEMP	23.9	degC	"	"
	MUD SAMPLE RES	1.000	ohm.m	"	"
	MUD REFERENCE TEMP	23.9	degC	"	"
	TEMP GRADIENT	2.187	0.01 degC/m	"	"

#### HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	MUD CONDUCTIVITY		"	"
	STANDOFF	25.40	mm	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rrud MULTIPLIER	1.000		"	"

### CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Oct 13 23:48:42 2005	BIT SIZE
F1:BYOL	BYOL	Oct 13 23:48:42 2005	BOREHOLE VOLUME
F1:CAL	CAL	Oct 13 23:48:42 2005	CALIPER
F1:DEPTH	MATCH_2_RES_DATA	Oct 13 23:48:42 2005	SYSTEM DEPTH
F1:GR	GR	Oct 13 23:48:42 2005	GAMMA RAY
F1:M2R1	M2R1	Oct 13 23:48:42 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 10 INCH
F1:M2R2	M2R2	Oct 13 23:48:42 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH
F1:M2R3	M2R3	Oct 13 23:48:42 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 30 INCH
F1:M2R6	M2R6	Oct 13 23:48:42 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 80 INCH
F1:M2R9	M2R9	Oct 13 23:48:42 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 90 INCH
F1:M2RX	M2RX	Oct 13 23:48:42 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 120 INCH
F1:MMRK	MMRK	Oct 13 23:48:42 2005	MINUTE MARK
F1:TEN	TEN	Oct 13 23:48:42 2005	DIFFERENTIAL TENSION
F1:WTH	WTH	Oct 13 23:48:42 2005	TEMPERATURE OF THE BOREHOLE

#### CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	M2R1	2.44	M2R6	2.44	TEN	0.00
CAL	9.94	M2R2	2.44	M2R9	2.44		
GR	17.41	M2R3	2.44	M2RX	2.44		



Data File 1 : F1 : epul:/data/pasa/vul\_fms/1777.b001.off  
 Created On : Oct 13 23:48:42 2005  
 Company : VULCAN MINERALS INC.  
 Well : FLAT BAY #3  
 Field : FLAT BAY  
 File Interval : 256.87 - 372.161 Meters  
 Out : 1777.kx

GR BACKUP

TOOL STICKING

CAL < BIT

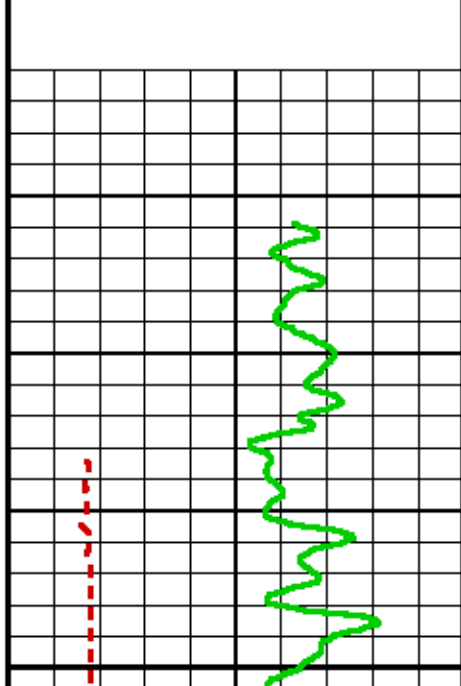
GAMMA RAY [gr]  
(gAPI)

CALIPER [cal]  
(mm)

BIT SIZE  
(mm)

DIFF. TENSION [ton]  
(kgf)

MINUTE MARK



METERS

275

BVOL  
-0.1  
1  
10

2FT. Matched Resolution Resistivity

10 in. DOI [m2r1] 2000  
(ohm.m)

20 in. DOI [m2r2] 2000  
(ohm.m)

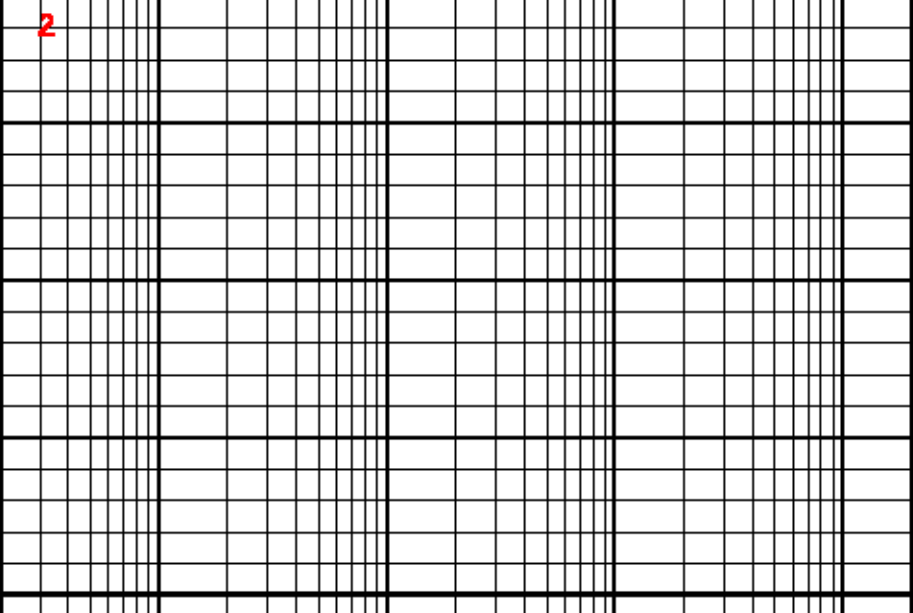
30 in. DOI [m2r3] 2000  
(ohm.m)

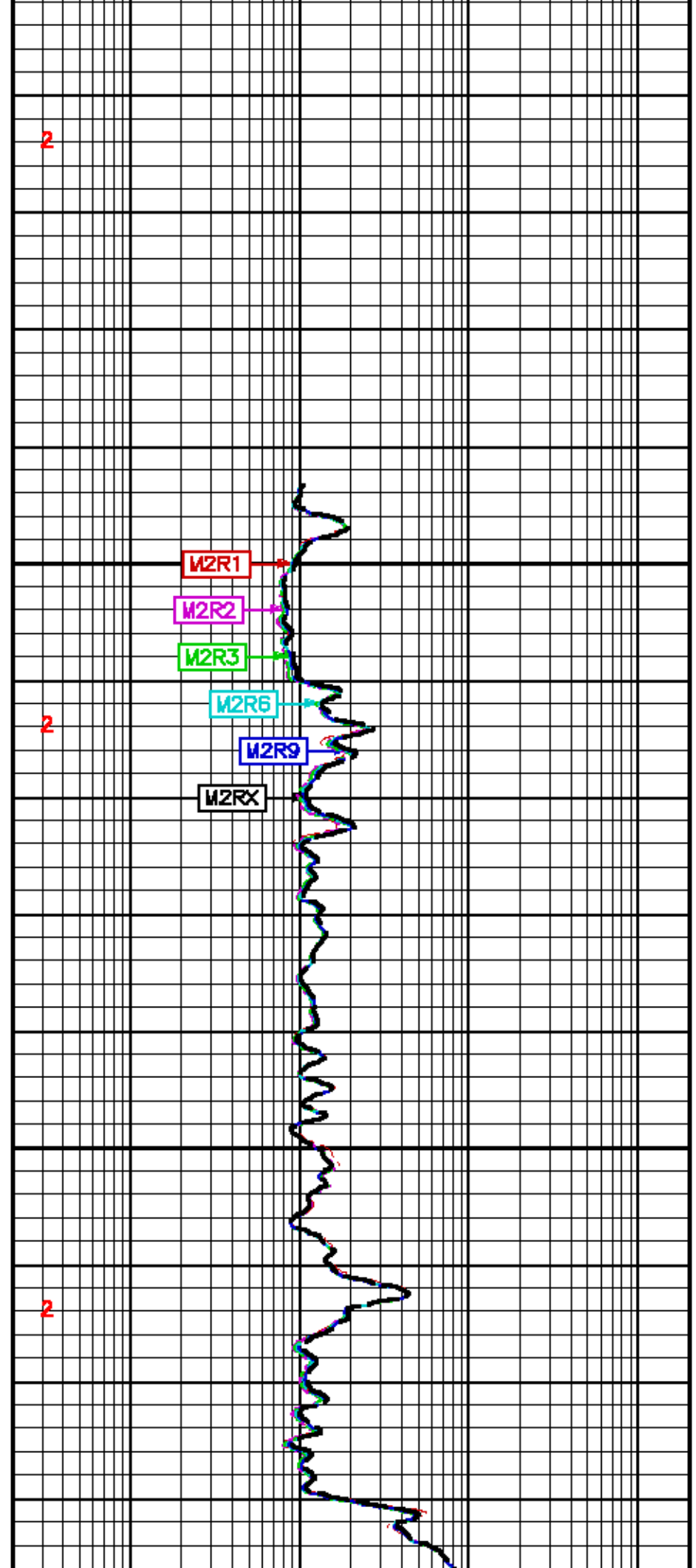
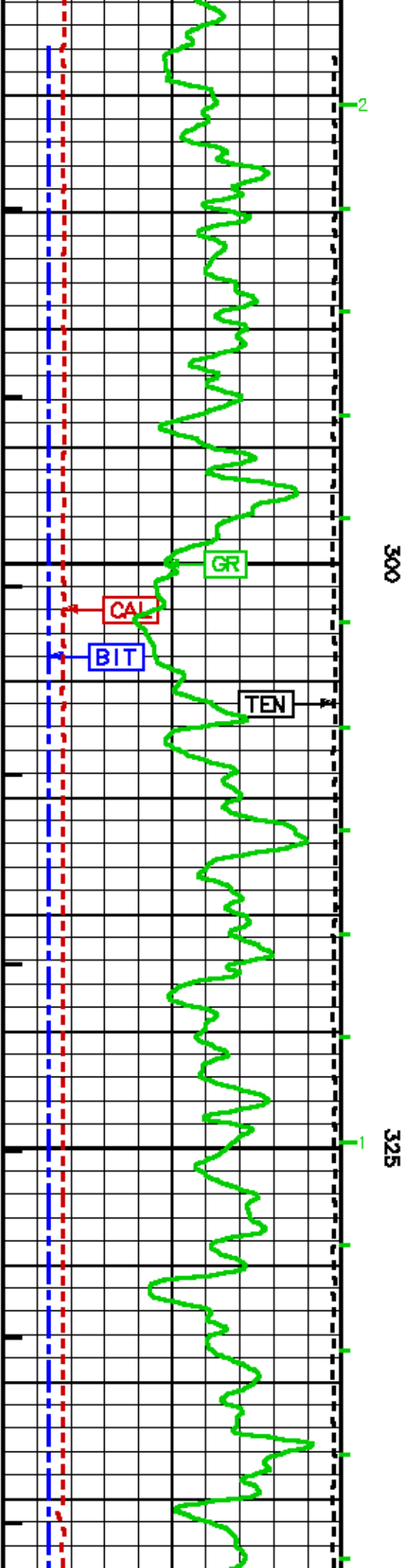
60 in. DOI [m2r6] 2000  
(ohm.m)

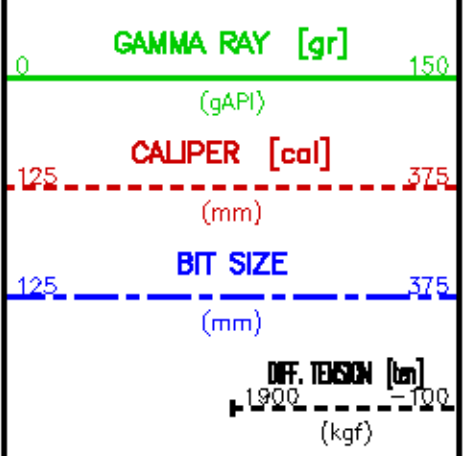
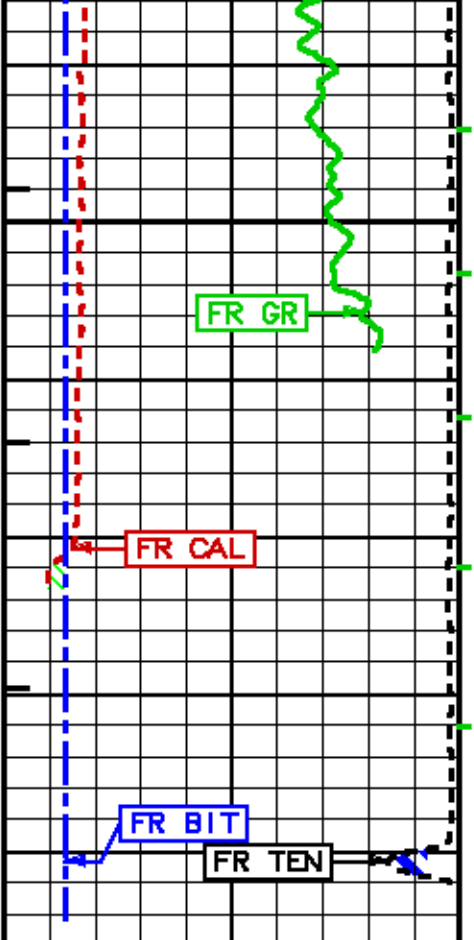
90 in. DOI [m2r9] 2000  
(ohm.m)

120 in. DOI [m2rx] 2000  
(ohm.m)

WTBH  
(degC)

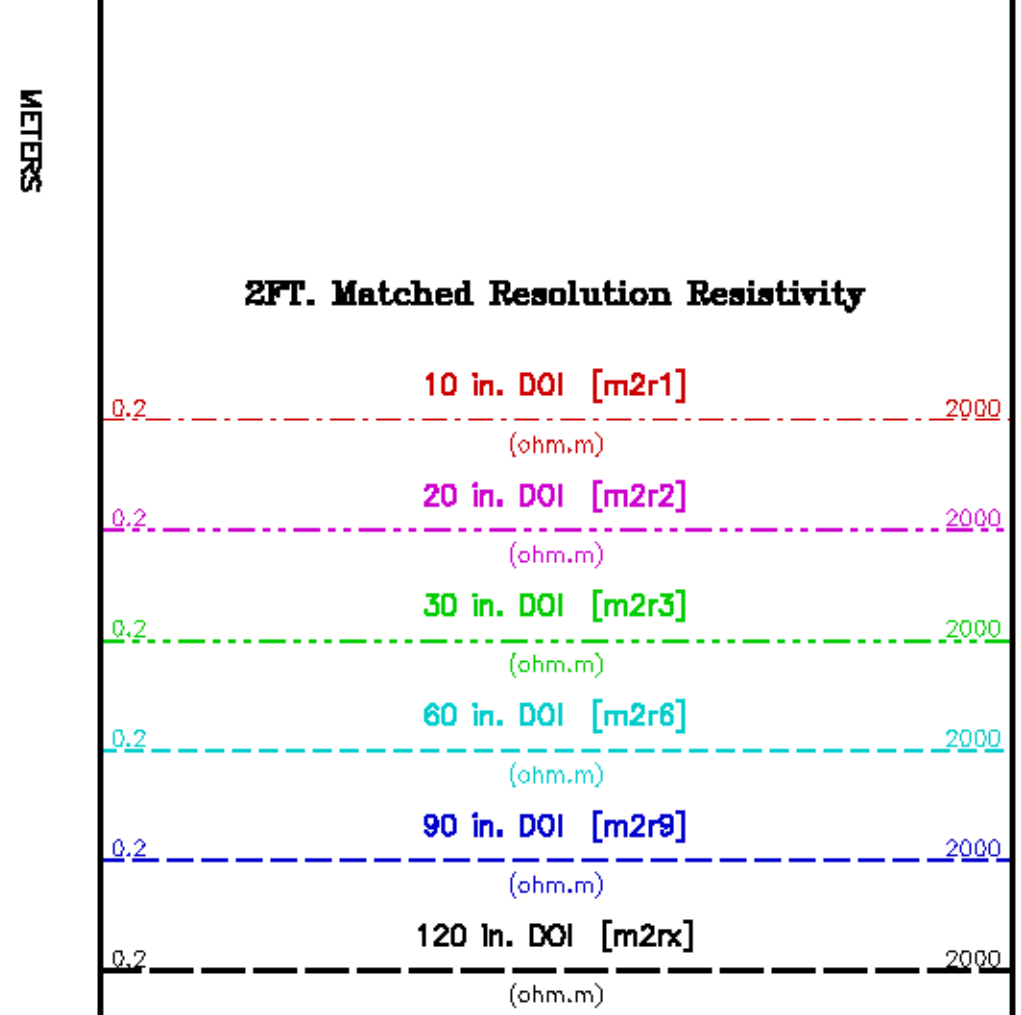
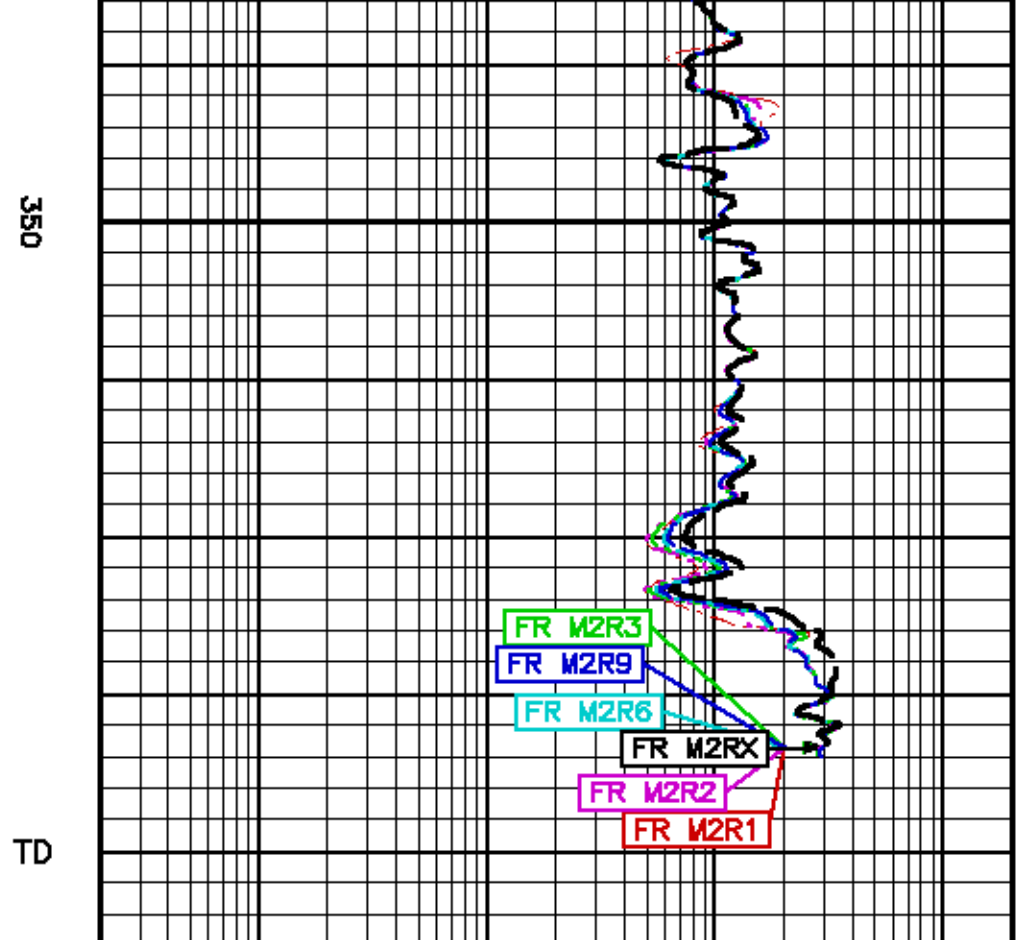






MINUTE MARK

BVOL



WTBH  
(degC)

# QUALITY CONTROL PRESENTATION

ECLIPS 5.01 Dec 17, 2003  
Updates: 1,2,3,32

Perpht /main/59

Cplot 7.09  
Pdf\_Cpp /main/16

Fri Oct 14 01:46:53 2005  
Fileview 4.67

## PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pasa/vul\_fit3/1777-hd03.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 0.000 ■ BOTTOM DEPTH: 0.000 ■

### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
TTM	FILTER ( )	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		''	''
	FILTER (.l)	medium (1)		''	''
Y AXIS CALIPER	FILTER ( )	light (2)		''	''
TENSION	FILTER ( )	medium (1)		''	''
GR	FILTER ( )	medium (1)		''	''

### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	■	TOP	BOTTOM
BIT SIZE	BIT SIZE	158.000	■	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh°)	USE CALIPER		''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh°)	182.500	■	''	''
MUD VALUES SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		''	''
MUD VALUES	MUD SAMPLE TEMP	23.9	degC	''	''
	MUD SAMPLE RES	1.000	ohm.■	''	''
	MUD REFERENCE TEMP	23.9	degC	''	''
	TEMP GRADIENT	2.187	0.01 degC/m	''	''

### HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		''	''
	ABC to CALCULATE	MUD CONDUCTIVITY		''	''
	STANDOFF	25.40	■	''	''
	TOOL POSITION	ECCENTERED		''	''
	Rmsd MULTIPLIER	1.000		''	''
HDIL DIFF TEN LIMIT	DIFF TENSION LIMIT	500		''	''

### CURVE DESCRIPTION REPORT

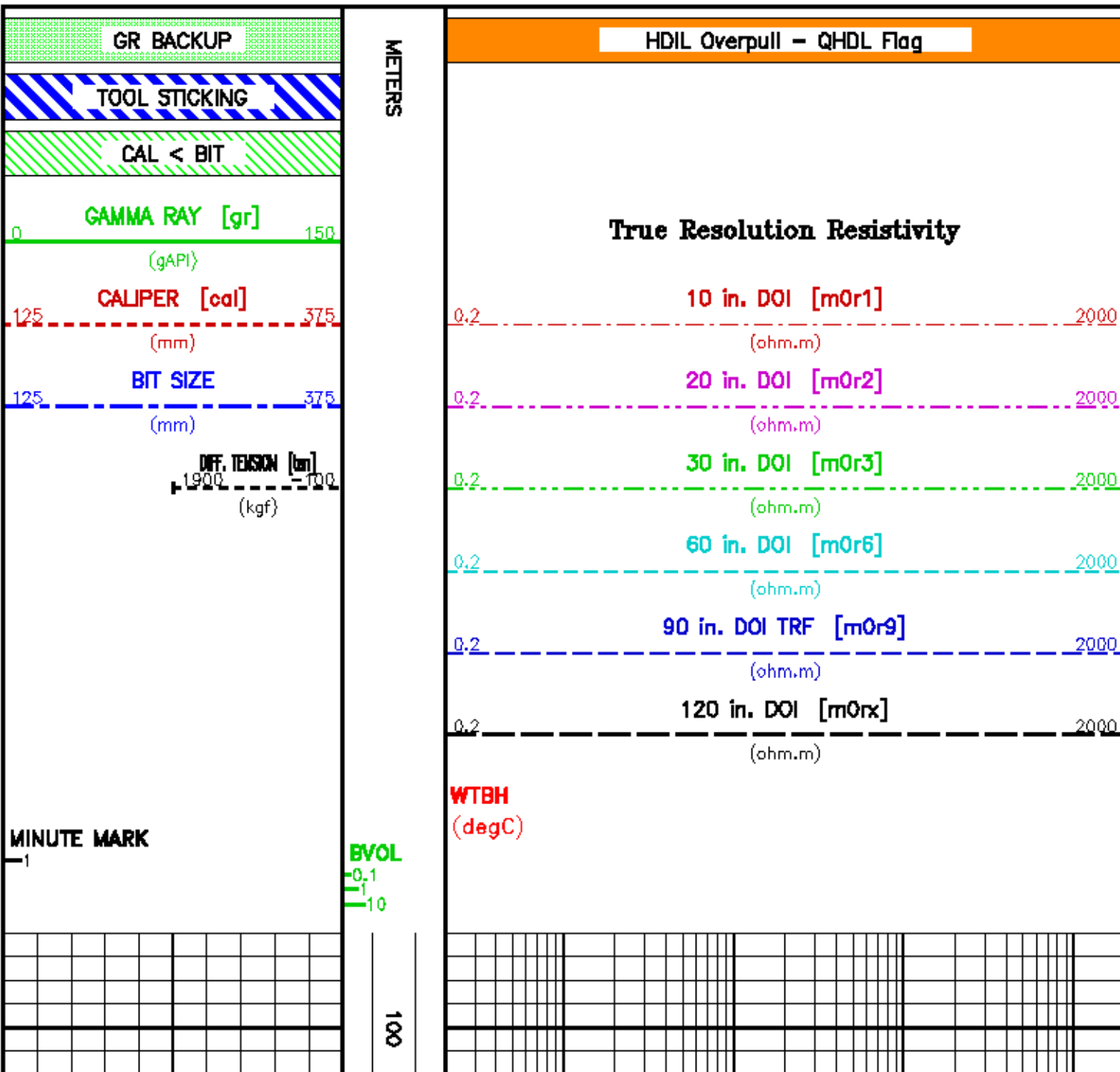
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Oct 13 23:51:57 2005	BIT SIZE
F1:BVOL	BVOL	Oct 13 23:51:57 2005	BOREHOLE VOLUME
F1:CAL	CAL	Oct 13 23:51:57 2005	CALIPER
F1:DEPTH	TRUE_RES_DATA	Oct 13 23:51:57 2005	SYSTEM DEPTH
F1:GR	GR	Oct 13 23:51:57 2005	GAMMA RAY
F1:MOR1	MOR1	Oct 13 23:51:57 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 10 INCH
F1:MOR2	MOR2	Oct 13 23:51:57 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 20 INCH
F1:MOR3	MOR3	Oct 13 23:51:57 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 30 INCH
F1:MOR6	MOR6	Oct 13 23:51:57 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 60 INCH
F1:MOR9	MOR9	Oct 13 23:51:57 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 90 INCH
F1:MORC	MORC	Oct 13 23:51:57 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 120 INCH

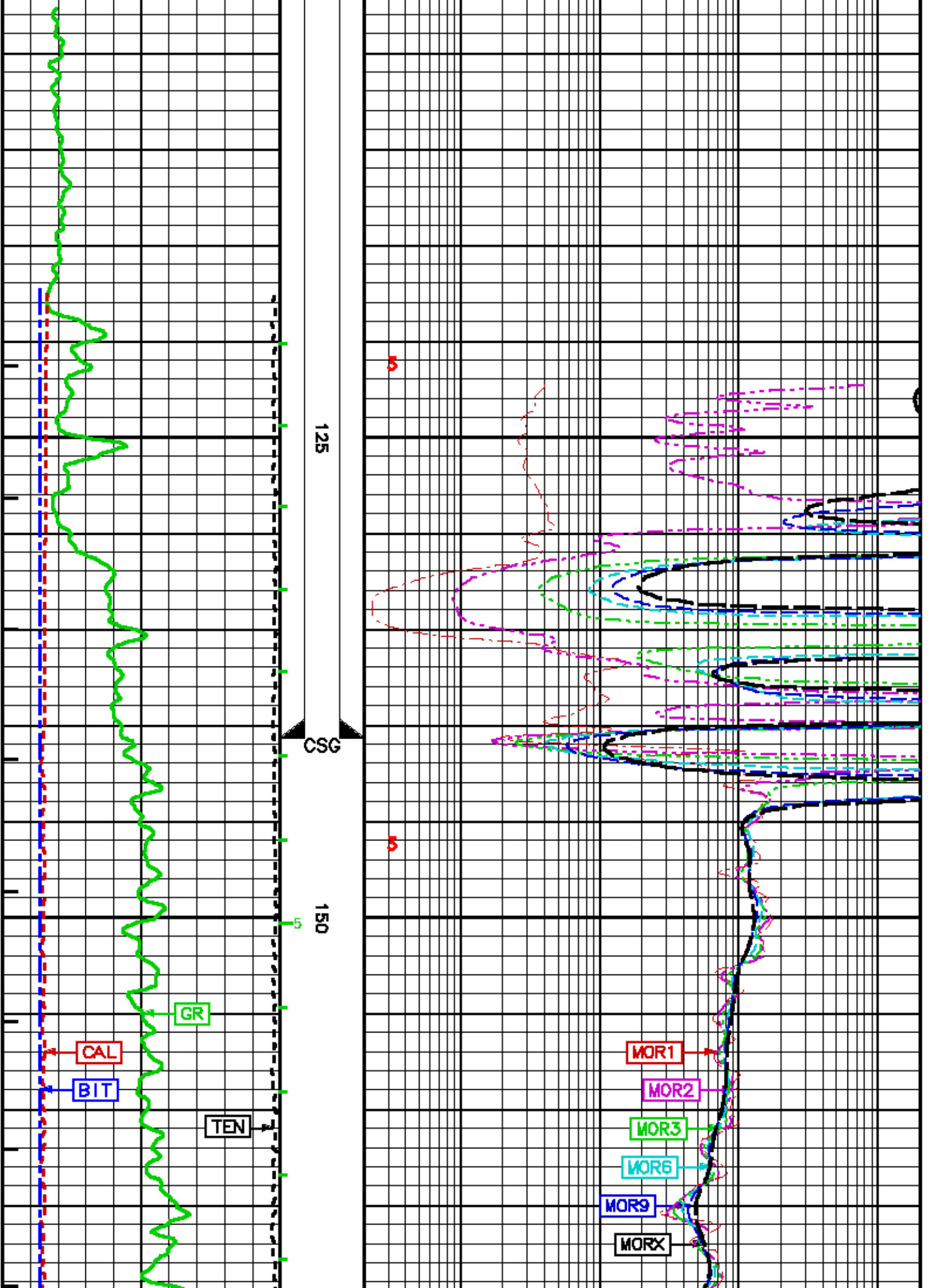
F1:MMRK	MMRK	Oct 13 23:51:57 2005	MINUTE MARK
F1:QHDL	QHDL	Oct 13 23:51:57 2005	QUALITY FOR FOR DIFFERENTIAL TENSION PULLS FOR HDIL
F1:TEM	TEM	Oct 13 23:51:57 2005	DIFFERENTIAL TENSION
F1:WTBH	WTBH	Oct 13 23:51:57 2005	TEMPERATURE OF THE BOREHOLE

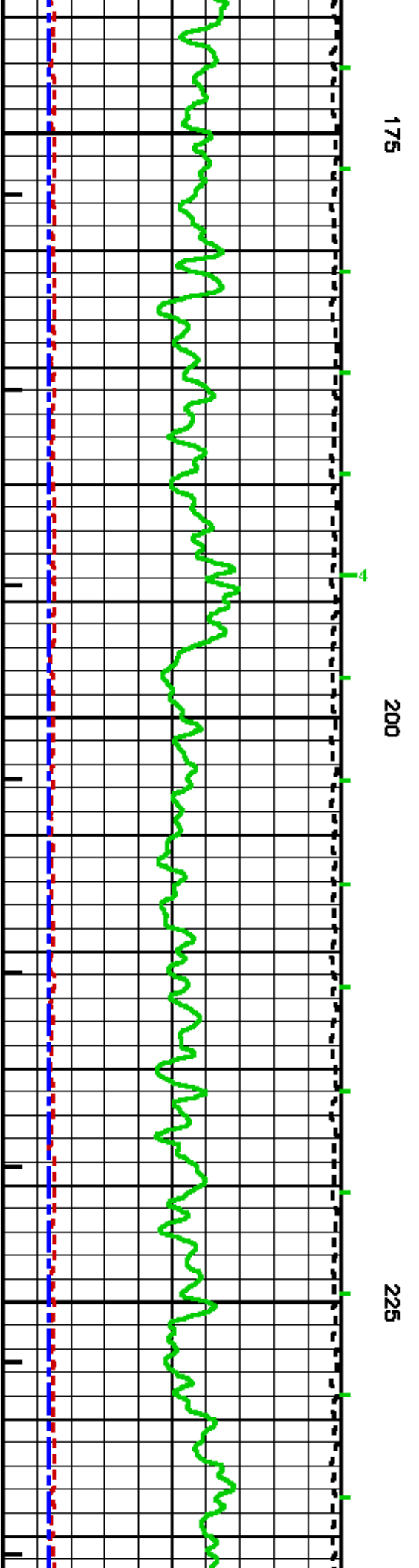
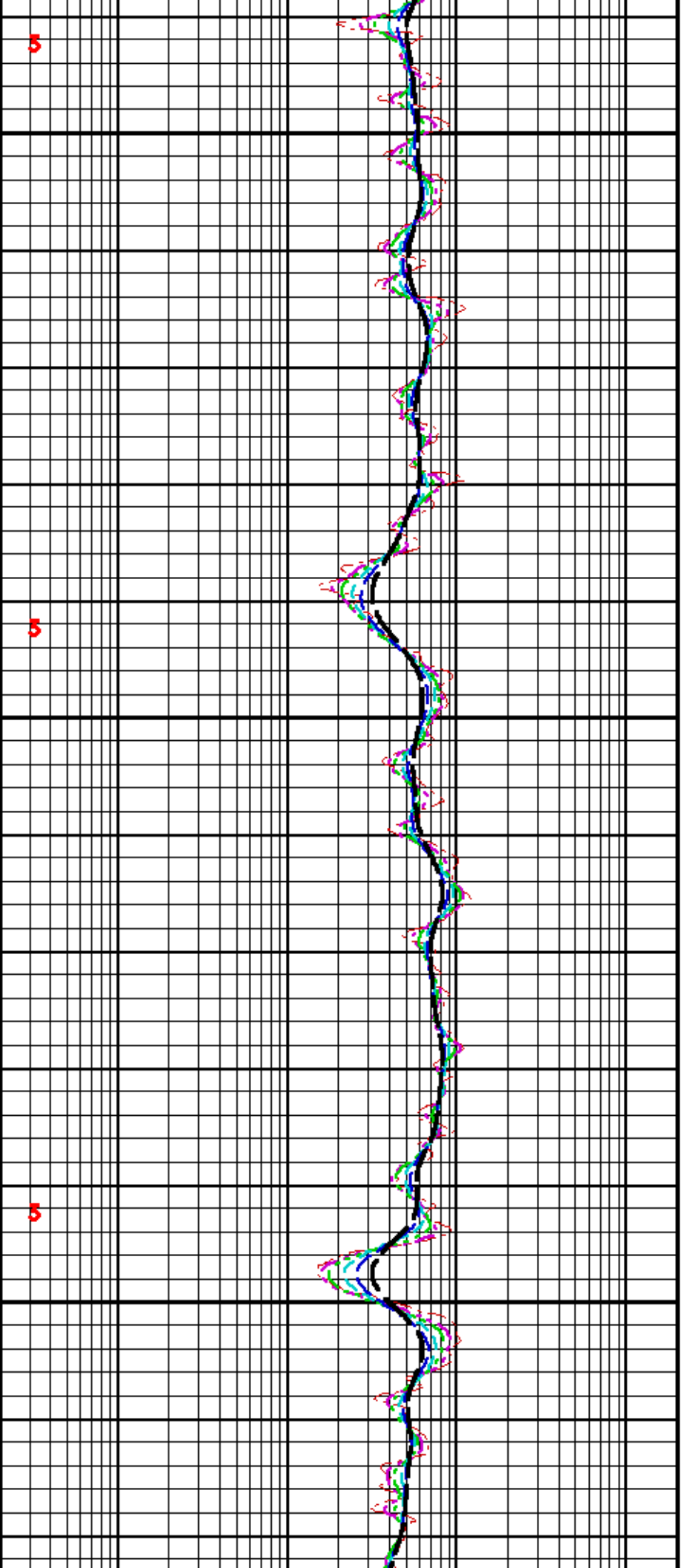
### CURVE MEASURE POINT OFFSET

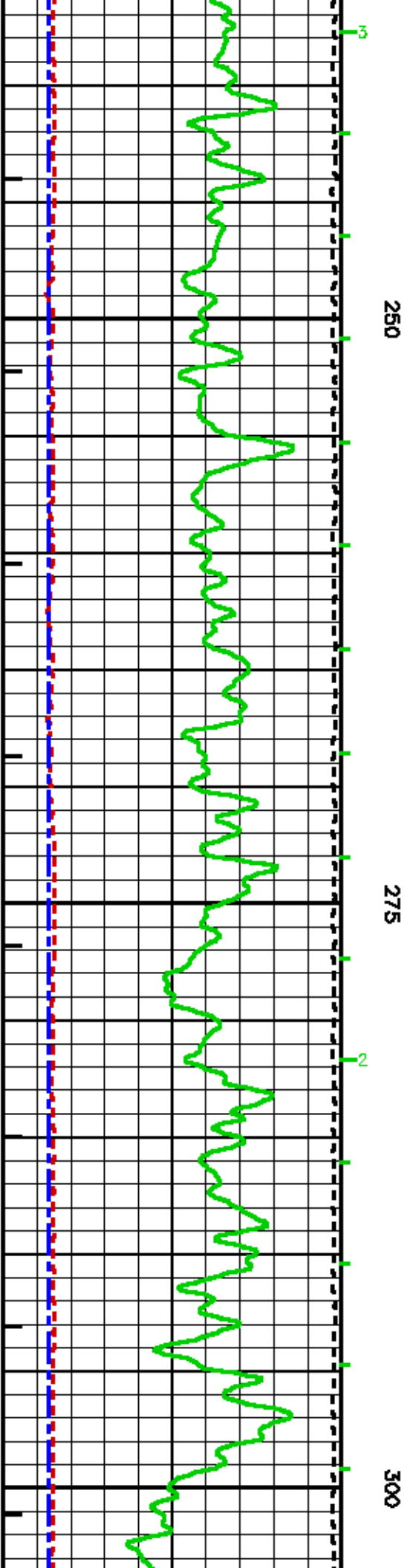
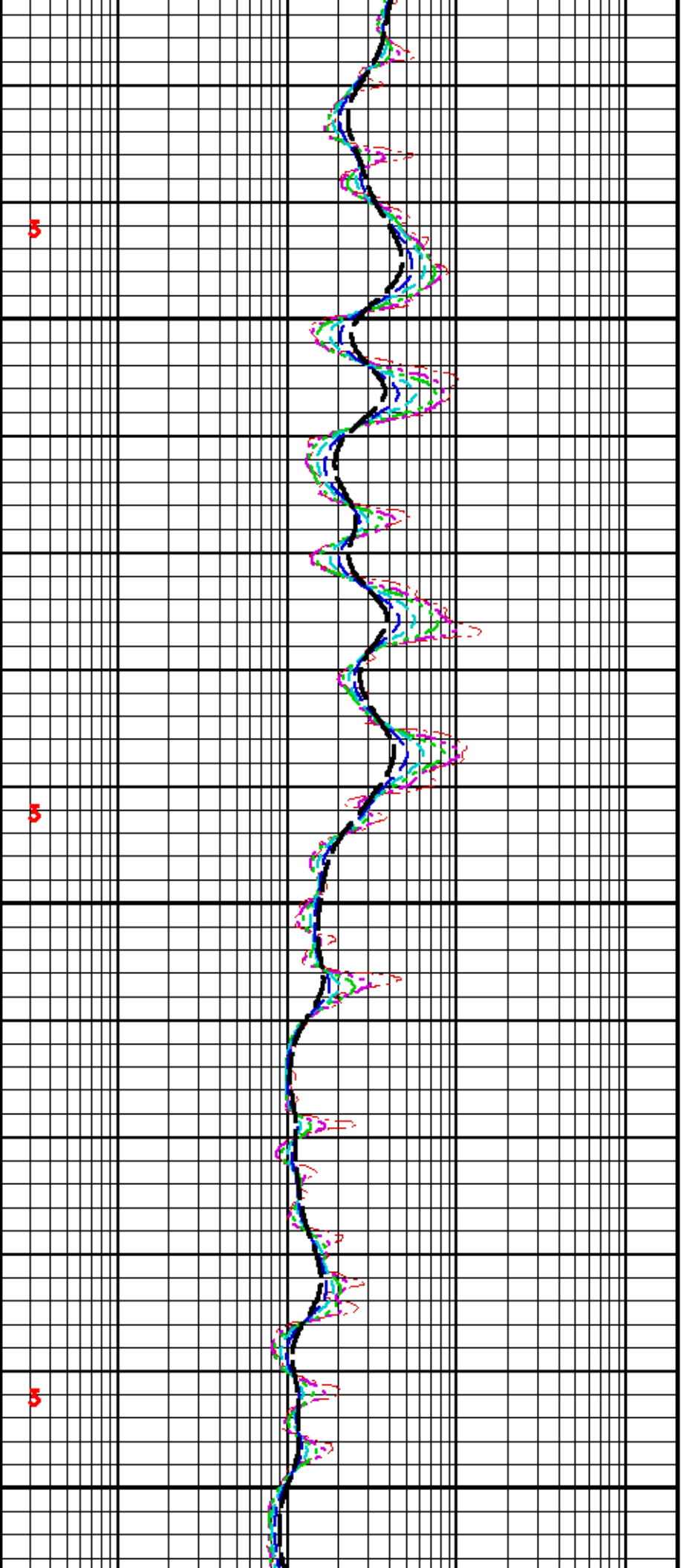
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	MOR1	2.44	MOR6	2.44	QHDL	3.66
CAL	9.94	MOR2	2.44	MOR9	2.44	TEM	0.00
GR	17.41	MOR3	2.44	MORx	2.44		

Presentation : epul:/dat/a/pass/vul\_mis/hdil.qc.pdf [1:240 Scale]  
 Plot Interval : 98.1644 - 372.181 Meters  
  
 Data File 1 : F1 : epul:/dat/a/pass/vul\_mis/1777.k03.pdf  
 Created On : Oct 13 23:51:57 2005  
 Company : VULCAN MINERALS INC.  
 Well : FLAT BAY B3  
 Field : FLAT BAY  
 File Interval : 98.1644 - 372.181 Meters  
 Oct : 1777.kx

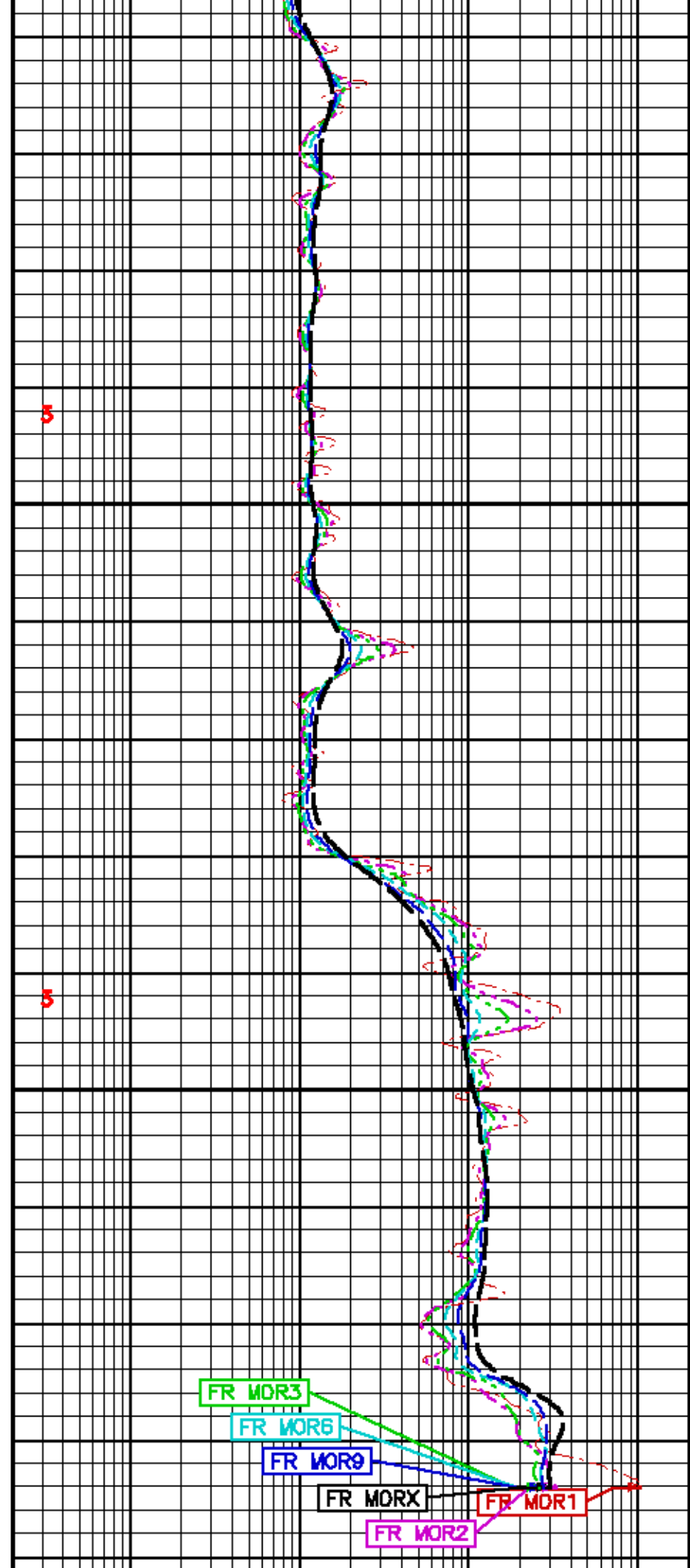
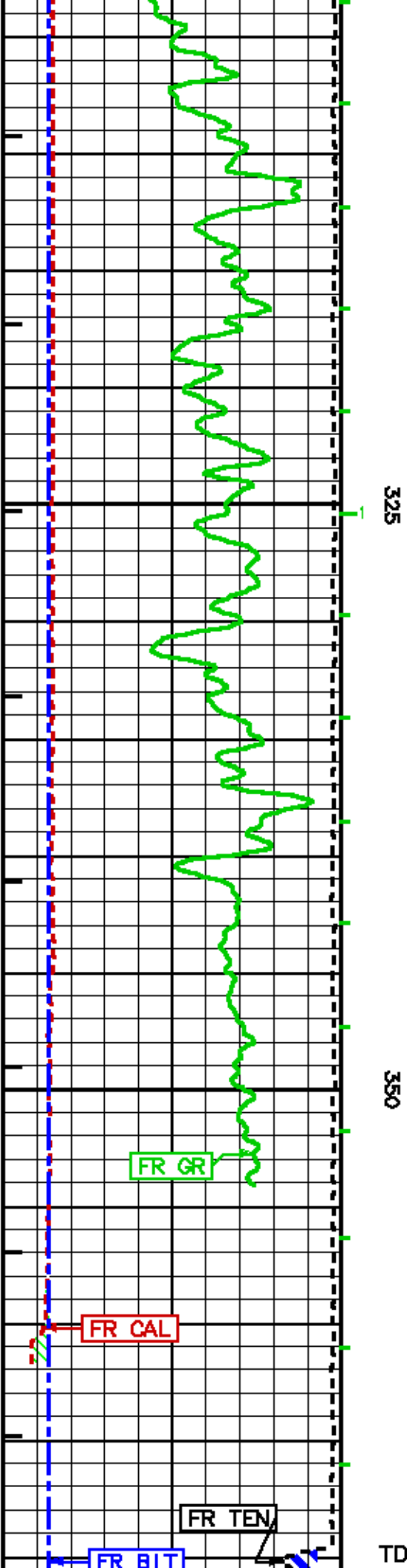


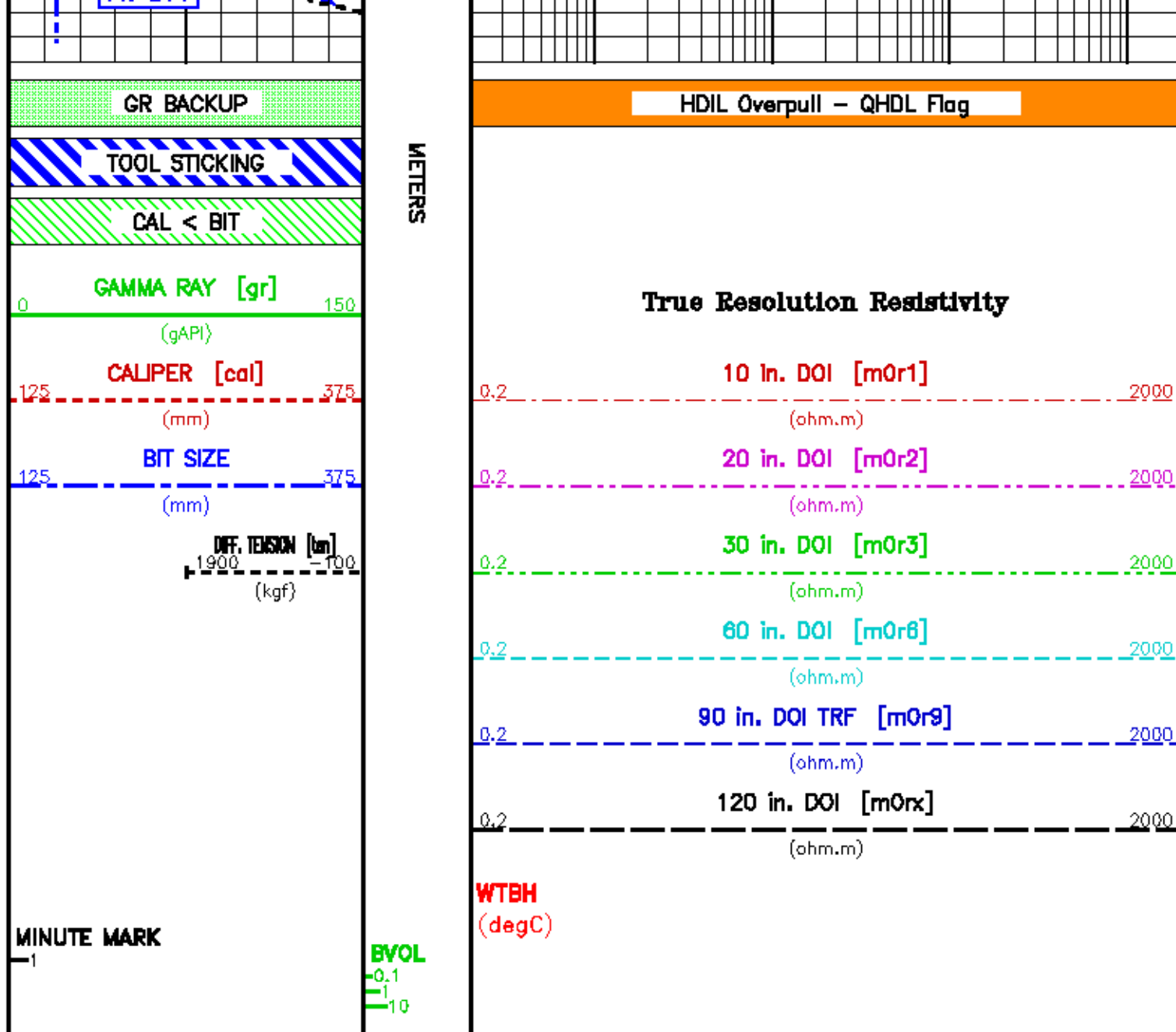












## CALIBRATION / VERIFICATION SUMMARY

Source File: /cal/a/pass/vul\_183/1777.bc.pl

### GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 153127

DATE/TIME PERFORMED: Fri Sep 23 16:47:10 2005

UNIT #: 3807TA 008616

CALB JIG #: 4702NK 01-304

	BACKGROUND CALBRTR ON	CR DIFF	MULT	BACKGROUND CALBRTR ON	CALBRTR
	(cts/s)	(cts/s)		(gAPI)	(gAPI)
CR	142.08	1089.78	0.180	23.17	173.17
		025.8			150

GR 142.98 1068.70 923.8 0.162 23.17 173.17 130  
 870.0 880.0

### GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 153127 DATE/TIME PERFORMED: Fri Sep 23 16:53:36 2005

UNIT #: 3807TA 008616 VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	139.98	1062.42	0.162	22.68	172.14	149.46
						140.00 188.00

### GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 153127 DATE/TIME PERFORMED: Thu Oct 13 20:13:13 2005

UNIT #: 3807TA 008616 VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	94.73	1027.67	0.162	15.35	166.51	151.16
						138.48 158.48

### GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 153127 DATE/TIME PERFORMED: Fri Oct 14 02:09:42 2005

UNIT #: 3807TA 008616 VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	92.51	1000.93	0.162	14.99	162.18	147.19
						141.16 181.16

### CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2228MA 153038 DATE/TIME PERFORMED: Fri Sep 23 18:29:49 2005

UNIT #: 3807TA 008616

	SMALL RING (raw)	LARGE RING (raw)	MULT	ADD	SMALL RING (mm)	LARGE RING (mm)
CALIPER	1415.0	2361.5	0.16101	-75.43520	152.400	304.800

### CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Thu Oct 13 23:23:00 2005

UNIT #: 3807TA 008616

	I.D. (raw)	MULT	ADD	I.D. (mm)
CALIPER	1477.4	0.16101	-75.43520	162.447

## CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Fri Oct 14 00:36:17 2005

UNIT #: 3807TA 008616

	I.D. (raw)	MULT	ADD	I.D. (mm)
CALIPER	1552.3	0.16101	-75.43520	174.507
				148.747 175.147

## HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1515MA 167593

DATE/TIME PERFORMED: Wed Apr 20 10:51:49 2005

UNIT #: 5753XA 10067203 GRCOND ID &amp; DATE: Nisku 0513102

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
---------------	--------	--------	--------	--------	--------	---------	---------	---------

Coil 0 R	-0.001 -0.200 0.200	-0.002 -0.100 0.100	-0.001 -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	-0.006 -0.100 0.100
Coil 0 Q	0.010 -1.000 1.000	0.011 -0.200 0.200	0.002 -0.100 0.100	0.002 -0.100 0.100	0.003 -0.100 0.100	0.002 -0.100 0.100	0.000 -0.100 0.100	0.000 -0.100 0.100
Coil 1 R	0.003 -0.200 0.200	0.002 -0.100 0.100	-0.002 -0.100 0.100	-0.005 -0.100 0.100	-0.008 -0.100 0.100	-0.006 -0.100 0.100	-0.002 -0.100 0.100	-0.001 -0.100 0.100
Coil 1 Q	0.004 -1.000 1.000	0.006 -0.200 0.200	0.004 -0.100 0.100	0.003 -0.100 0.100	-0.000 -0.100 0.100	-0.003 -0.100 0.100	-0.006 -0.100 0.100	-0.005 -0.100 0.100
Coil 2 R	0.001 -0.200 0.200	0.003 -0.100 0.100	-0.002 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.002 -0.100 0.100	0.000 -0.100 0.100	0.000 -0.100 0.100
Coil 2 Q	-0.009 -1.000 1.000	-0.006 -0.200 0.200	0.000 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.002 -0.100 0.100	-0.005 -0.100 0.100	-0.002 -0.100 0.100
Coil 3 R	0.001 -0.100 0.100	0.001 -0.100 0.100	-0.008 -0.100 0.100	-0.006 -0.100 0.100	-0.007 -0.100 0.100	-0.004 -0.100 0.100	-0.002 -0.100 0.100	-0.003 -0.100 0.100
Coil 3 Q	0.033 -0.500 0.500	0.006 -0.200 0.200	0.009 -0.100 0.100	0.005 -0.100 0.100	-0.000 -0.100 0.100	-0.001 -0.100 0.100	-0.007 -0.100 0.100	-0.006 -0.100 0.100
Coil 4 R	-0.003 -0.200 0.200	-0.010 -0.200 0.200	-0.019 -0.200 0.200	-0.023 -0.200 0.200	-0.020 -0.200 0.200	-0.012 -0.200 0.200	-0.002 -0.200 0.200	0.006 -0.200 0.200
Coil 4 Q	0.089 -1.000 1.000	0.036 -0.400 0.400	0.019 -0.200 0.200	0.006 -0.200 0.200	-0.005 -0.200 0.200	-0.011 -0.200 0.200	-0.010 -0.200 0.200	-0.016 -0.200 0.200
Coil 5 R	-0.013 -0.400 0.400	-0.014 -0.400 0.400	-0.011 -0.400 0.400	-0.003 -0.400 0.400	-0.014 -0.400 0.400	-0.021 -0.400 0.400	-0.027 -0.400 0.400	-0.015 -0.400 0.400



Coil 4 R	12.97	1.84	0.29	-0.32	-0.62	-0.74	-0.85	-0.92
	5.00 18.00	-1.00 4.00	-2.00 2.00	-2.20 2.00	-2.50 2.00	-3.00 2.00	-3.00 2.00	-4.00 2.00
Coil 4 Q	23.78	14.59	14.99	17.25	20.21	23.57	27.10	30.46
	-100.00 100.00	-30.00 50.00	-20.00 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	2.44	-0.68	-1.28	-1.60	-1.69	-1.72	-1.98	-1.84
	-2.00 5.80	-3.20 2.40	-4.50 3.10	-4.70 3.20	-4.80 3.20	-5.00 3.30	-6.20 3.40	-5.40 3.50
Coil 5 Q	8.26	8.38	11.78	15.60	19.66	23.96	28.19	32.71
	-60.00 70.00	-20.00 30.00	-20.00 30.00	-20.00 35.00	-20.00 45.00	-20.00 50.00	-20.00 60.00	-30.00 70.00
Coil 6 R	-1.59	-1.92	-2.36	-2.55	-2.66	-2.76	-2.94	-3.10
	-4.80 1.00	-5.70 3.80	-6.50 4.90	-6.90 5.40	-7.30 5.80	-7.50 6.00	-7.70 6.10	-7.90 6.30
Coil 6 Q	-5.62	4.27	10.17	15.57	21.14	26.76	32.24	37.95
	-30.00 30.00	-20.00 25.00	-20.00 35.00	-30.00 50.00	-35.00 60.00	-40.00 70.00	-50.00 80.00	-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	1.010	1.008	1.004	1.004	1.003	1.001	1.001	1.002
	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100
Coil 0 P	0.040	0.196	0.303	0.315	0.303	0.265	0.227	0.228
	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000
Coil 1 M	0.994	0.992	0.989	0.988	0.986	0.986	0.985	0.986
	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100
Coil 1 P	0.073	0.242	0.304	0.334	0.296	0.283	0.263	0.218
	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000
Coil 2 M	1.015	1.012	1.011	1.011	1.011	1.011	1.011	1.010
	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100
Coil 2 P	-0.005	0.041	0.070	0.121	0.141	0.174	0.211	0.221
	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000
Coil 3 M	1.024	1.023	1.023	1.023	1.022	1.022	1.021	1.020
	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100
Coil 3 P	0.013	0.063	0.139	0.189	0.204	0.224	0.232	0.244
	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000
Coil 4 M	1.027	1.026	1.026	1.026	1.025	1.025	1.024	1.023
	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100
Coil 4 P	-0.008	0.060	0.087	0.144	0.138	0.185	0.162	0.167
	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000
Coil 5 M	1.019	1.019	1.020	1.018	1.018	1.019	1.018	1.017
	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100
Coil 5 P	0.053	-0.008	0.060	0.084	0.067	0.058	0.120	0.121
	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000
Coil 6 M	1.023	1.025	1.024	1.022	1.021	1.026	1.025	1.022
	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100
Coil 6 P	0.009	0.090	0.045	0.136	0.050	0.006	0.079	0.008
	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000

PARMS      TCID 0      TCID 1      Cal Temp      T Factor  
deg C  
IDs                       

### HDIL BEFORE LOG VERIFICATION SUMMARY

TOOL #:

DATE/TIME PERFORMED:

UNIT #:

ZERO DATA(mv)    10 KHz    30 KHz    50 KHz    70 KHz    90 KHz    110 KHz    130 KHz    150 KHz

Coil 0 R	-0.004	-0.003	-0.000	-0.002	-0.006	-0.002	-0.003	-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 0 Q	0.013	0.013	0.002	0.001	0.003	0.001	0.000	-0.000
	-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	0.001	-0.003	-0.005	-0.004	-0.004	-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 1 Q	0.007	0.009	0.005	0.001	0.000	-0.005	-0.006	-0.007
	-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	0.002	0.002	-0.003	0.000	-0.001	-0.002	-0.003	0.003
	-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	-0.012	-0.008	-0.000	-0.001	-0.000	-0.002	-0.004	-0.003
	-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	0.004	-0.001	-0.007	-0.008	-0.015	-0.011	-0.003	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	0.025	0.006	0.010	0.006	-0.001	-0.003	-0.006	-0.008
	-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	-0.008	-0.014	-0.012	-0.015	-0.016	-0.009	-0.003	-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	0.088	0.037	0.020	0.004	-0.011	-0.008	-0.011	-0.011
	-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	-0.006	-0.016	-0.017	-0.014	-0.013	-0.009	-0.009	-0.015
	-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	0.135	0.047	0.021	0.010	-0.003	0.002	0.002	0.003
	-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	-0.007	-0.031	-0.011	-0.018	-0.005	-0.021	-0.014	-0.018
	-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	0.185	0.072	0.040	0.021	-0.008	-0.008	-0.023	-0.016
	-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	123.68	122.61	120.51	117.67	113.67	108.85	102.99	96.50
	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	7.083	22.342	37.341	52.360	67.465	82.544	97.701	112.672
	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	218.70	215.87	210.31	202.95	193.31	182.27	169.73	156.56
	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	7.760	24.380	40.644	56.748	72.756	88.547	104.228	119.549
	6.000 9.000	19.000 28.000	32.000 48.000	46.000 67.000	57.000 86.000	70.000 110.000	85.000 120.000	96.000 140.000
Coil 2 M	433.58	428.55	418.95	406.06	389.17	369.50	346.68	321.97
	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	7.769	24.433	40.769	56.986	73.223	89.333	105.502	121.458
	6.000 9.000	19.000 28.000	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	739.64	732.43	718.36	699.37	672.92	641.11	602.44	559.58
	580.00 880.00	580.00 870.00	570.00 860.00	560.00 830.00	530.00 800.00	500.00 780.00	470.00 710.00	440.00 660.00
Coil 3 P	7.785	24.395	40.745	57.125	73.623	90.097	106.691	123.109
	6.000 10.000	20.000 29.000	33.000 49.000	48.000 69.000	59.000 89.000	72.000 110.000	85.000 130.000	98.000 150.000
Coil 4 M	1131.1	1120.5	1098.8	1069.6	1029.3	980.1	920.8	854.5
	800.0 1400.0	900.0 1300.0	900.0 1300.0	860.0 1300.0	800.0 1200.0	800.0 1200.0	750.0 1100.0	700.0 1080.0
Coil 4 P	7.911	24.825	41.482	58.173	74.956	91.753	108.656	125.386
	6.000 10.000	20.000 30.000	33.000 50.000	48.000 70.000	60.000 90.000	73.000 110.000	86.000 130.000	99.000 150.000
Coil 5 M	2291.5	2265.4	2214.3	2145.6	2053.7	1946.1	1819.6	1682.7
	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	25.951	43.307	60.615	77.927	95.175	112.463	129.528
	6.000 10.000	20.000 31.000	34.000 51.000	48.000 72.000	62.000 93.000	78.000 110.000	93.000 130.000	100.000 150.000

Coil 6 M	5839.0 4700.0 7100.0	5792.7 4700.0 7000.0	5700.0 4800.0 5900.0	5571.5 4400.0 6800.0	5387.8 4200.0 6400.0	5159.2 4000.0 6000.0	4872.4 3700.0 5800.0	4544.5 3400.0 5100.0
Coil 6 P	8.180 7.000 10.000	25.698 22.000 32.000	42.996 38.000 54.000	60.393 51.000 76.000	77.950 65.000 98.000	95.649 80.000 120.000	113.538 94.000 140.000	131.373 110.000 180.000

## HDIL AFTER LOG VERIFICATION SUMMARY

TOOL #: 1515MA 167593

DATE/TIME PERFORMED: Fri Oct 14 00:39:40 2005

UNIT #: 3807TA 008616

ZERO DATA(mv)    10 KHz    30 KHz    50 KHz    70 KHz    90 KHz    110 KHz    130 KHz    150 KHz


Coil 0 R	0.000 -0.084 0.078	0.001 -0.063 0.067	0.000 -0.030 0.030	-0.001 -0.032 0.028	-0.005 -0.036 0.024	-0.004 -0.032 0.028	-0.005 -0.033 0.027	-0.005 -0.034 0.028
Coil 0 Q	0.012 -0.027 0.053	0.014 -0.107 0.133	0.005 -0.028 0.032	0.005 -0.029 0.031	0.005 -0.027 0.033	0.003 -0.029 0.031	0.000 -0.030 0.030	0.000 -0.030 0.030
Coil 1 R	0.008 -0.078 0.082	0.005 -0.049 0.061	0.001 -0.033 0.027	-0.005 -0.036 0.025	-0.009 -0.034 0.028	-0.008 -0.034 0.028	-0.005 -0.030 0.030	-0.005 -0.029 0.031
Coil 1 Q	0.007 -0.383 0.407	0.012 -0.091 0.108	0.009 -0.025 0.035	0.008 -0.029 0.031	0.005 -0.030 0.030	-0.000 -0.035 0.025	-0.004 -0.036 0.024	-0.006 -0.037 0.023
Coil 2 R	0.003 -0.088 0.072	0.004 -0.028 0.032	0.001 -0.033 0.027	-0.000 -0.030 0.030	-0.001 -0.031 0.028	-0.005 -0.032 0.028	-0.004 -0.033 0.027	-0.003 -0.027 0.033
Coil 2 Q	-0.009 -0.382 0.338	-0.005 -0.108 0.092	0.001 -0.030 0.030	0.004 -0.031 0.029	0.002 -0.030 0.030	-0.000 -0.032 0.028	-0.001 -0.034 0.026	-0.002 -0.033 0.027
Coil 3 R	0.016 -0.038 0.044	0.006 -0.041 0.038	-0.006 -0.047 0.033	-0.008 -0.048 0.032	-0.012 -0.055 0.025	-0.013 -0.051 0.029	-0.007 -0.043 0.037	-0.000 -0.038 0.042
Coil 3 Q	0.027 -0.175 0.225	0.010 -0.074 0.086	0.014 -0.030 0.050	0.010 -0.034 0.046	0.002 -0.041 0.038	-0.004 -0.043 0.037	-0.008 -0.046 0.034	-0.007 -0.048 0.032
Coil 4 R	0.004 -0.088 0.052	-0.005 -0.074 0.046	-0.011 -0.072 0.046	-0.015 -0.075 0.045	-0.019 -0.076 0.044	-0.018 -0.069 0.051	-0.014 -0.063 0.057	-0.006 -0.081 0.058
Coil 4 Q	0.089 -0.212 0.388	0.043 -0.063 0.137	0.027 -0.040 0.080	0.019 -0.056 0.084	0.006 -0.071 0.048	-0.006 -0.068 0.052	-0.013 -0.071 0.048	-0.013 -0.071 0.048
Coil 5 R	0.005 -0.126 0.114	-0.011 -0.136 0.104	-0.013 -0.137 0.103	-0.019 -0.134 0.108	-0.016 -0.133 0.107	-0.018 -0.129 0.111	-0.011 -0.129 0.111	-0.018 -0.135 0.105
Coil 5 Q	0.149 -0.466 0.736	0.052 -0.203 0.297	0.026 -0.089 0.141	0.014 -0.110 0.130	0.012 -0.123 0.117	-0.003 -0.118 0.122	-0.001 -0.118 0.122	-0.004 -0.117 0.123
Coil 6 R	0.006 -0.307 0.293	0.012 -0.331 0.288	-0.029 -0.311 0.288	-0.028 -0.318 0.282	-0.029 -0.305 0.295	-0.077 -0.321 0.279	-0.022 -0.314 0.286	-0.032 -0.318 0.282
Coil 6 Q	0.185 -1.316 1.885	0.069 -0.528 0.672	0.053 -0.280 0.340	0.047 -0.279 0.321	0.017 -0.308 0.292	0.018 -0.308 0.292	-0.021 -0.323 0.277	-0.035 -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	123.68 121.20 126.15	122.64 120.16 125.07	120.54 118.10 122.92	117.64 115.32 120.03	113.91 111.40 115.95	109.39 106.68 111.03	103.83 100.83 105.04	97.58 94.57 98.43
Coil 0 P	7.071 4.083 10.083	22.315 19.342 25.342	37.306 34.341 40.341	52.226 49.380 55.380	67.237 64.465 70.465	82.280 79.544 85.544	97.476 94.701 100.701	112.525 109.872 115.672
Coil 1 M	218.71 214.32 223.07	215.90 211.55 220.19	210.35 206.11 214.52	202.87 198.89 207.01	193.69 189.44 197.17	183.16 178.62 185.91	171.07 166.34 173.13	158.32 153.42 159.88
Coil 1 P	7.749 4.780 10.780	24.361 21.380 27.380	40.601 37.644 43.644	56.612 53.748 59.748	72.531 69.756 75.756	88.279 85.547 91.547	103.998 101.228 107.228	119.419 116.549 122.549
Coil 2 M	433.67 424.91 442.25	428.68 419.89 437.12	418.97 410.57 427.32	406.07 397.84 414.18	389.95 381.39 396.98	371.40 362.11 376.89	349.46 339.75 353.61	325.69 315.53 328.41



Coil 2 P	7.760 4.789 10.789	24.408 21.433 27.433	40.736 37.760 43.760	56.848 53.988 59.988	72.989 70.223 76.223	89.067 86.333 92.333	105.268 102.502 108.502	121.319 118.469 124.458
Coil 3 M	739.66 724.84 754.43	732.50 717.78 747.08	718.54 703.99 732.72	699.15 685.38 713.35	674.24 659.46 686.38	644.28 628.29 663.93	607.40 590.39 614.49	565.94 548.39 570.77
Coil 3 P	7.776 4.785 10.785	24.370 21.395 27.395	40.718 37.745 43.745	56.992 54.125 60.125	73.380 70.623 76.623	89.831 87.097 93.097	106.462 103.691 109.691	122.981 120.109 128.109
Coil 4 M	1131.2 1108.5 1153.7	1120.6 1099.1 1142.9	1099.3 1078.9 1120.8	1069.6 1048.2 1090.9	1031.2 1008.7 1049.9	985.0 960.5 999.7	928.1 902.3 939.2	864.1 837.4 871.5
Coil 4 P	7.899 4.911 10.911	24.809 21.825 27.825	41.456 38.482 44.482	58.030 55.173 61.173	74.747 71.956 77.956	91.501 88.753 94.753	108.447 105.658 111.658	125.259 122.385 128.385
Coil 5 M	2291.9 2245.8 2337.3	2266.2 2220.1 2310.7	2215.1 2170.0 2258.6	2145.4 2102.7 2189.8	2058.1 2012.7 2094.8	1955.7 1907.1 1985.0	1834.5 1783.2 1855.0	1701.5 1649.0 1716.3
Coil 5 P	8.260 5.271 11.271	25.925 22.951 28.951	43.284 40.307 46.307	60.483 57.615 63.615	77.723 74.927 80.927	94.921 92.175 98.175	112.241 109.483 115.483	129.406 126.529 132.529
Coil 6 M	5841.2 5722.2 5955.7	5795.3 5676.8 5908.5	5701.5 5586.0 5814.0	5572.6 5460.1 5683.0	5400.2 5280.1 5495.6	5186.9 5056.0 5282.4	4912.4 4775.0 4989.9	4596.5 4463.8 4635.3
Coil 6 P	8.169 5.180 11.180	25.681 22.699 28.699	42.968 39.996 45.996	60.259 57.383 63.383	77.738 74.950 80.950	95.411 92.649 98.649	113.324 110.538 118.538	131.242 128.373 134.373

 <b>Baker Atlas</b>	<b>COMPANY</b> <u>VULCAN MINERALS INC.</u> <b>WELL</b> <u>FLAT BAY NO. 3</u> <b>FIELD</b> <u>FLAT BAY</u> <b>PROVINCE</b> <u>NEWFOUNDLAND</u>	<b>FILE NO:</b> <hr/> <b>API NO:</b> <hr/>
	<b>LOCATION:</b> <b>LIC:</b> 96-105 <b>ST. GEORGES BAY</b> <b>LAT</b> 48.385334 N <b>LONG</b> 58.560253 W	<b>ELEVATIONS:</b> <b>KB</b> 53.3 M <b>DF</b> <b>GL</b> 50.0 M <b>DATE</b> 13-OCT-2005

