



FILE NO:	COMPANY	MGM ENERGY CORP	
API NO:	WELL	MGM SHELL EAST MACKAY 1-78	
	FIELD	EAST MACKAY	
	PROVINCE	NORTHWEST TERRITORIES	
Ver. 3.87	LOCATION:		
UID:		OTHER SERVICES	
3001786450125 30		2ZDL-CN-GR-XYCAL	
LICENSE:		STAR-CBIL-GR, CVL	
1202		HDIL-GR-CAL, WREX	
		XMAC-GR, FLEX-DSL	
		DIRSUR	
PERMANENT DATUM	G.L.	ELEVATION	155.00 M
LOG MEASURED FROM	K.B.	6.20 M	ABOVE P.D.
DRILL. MEAS. FROM	KELLY BUSHING		
			ELEVATIONS:
			KB 161.20 M
			DF
			GL 155.00 M
DATE	19-FEB-2013		
RUN	TRIP	4	
SERVICE ORDER	CA215446		
DEPTH DRILLER	2001.0 M		
DEPTH LOGGER	1999.0 M		
BOTTOM LOGGED INTERVAL	1980.5 M		
TOP LOGGED INTERVAL	1650.0 M		
CASING DRILLER	244.5 MM @ 401.8 M		
CASING LOGGER	402.2 M		
BIT SIZE	222.0 MM		
TYPE OF FLUID IN HOLE	GELCHEM		
DENSITY	VISCOSITY	1125.0 G/L	100.0 CP
PH	FLUID LOSS	9.0	6.0 ML
SOURCE OF SAMPLE	TOOL MEASURED		
RM AT MEAS. TEMP.	1.99 OHMM @ 19.0 DEGC		
RMF AT MEAS. TEMP.	1.72 OHMM @ 19.0 DEGC		
RMC AT MEAS. TEMP.	2.39 OHMM @ 19.0 DEGC		
SOURCE OF RMF	RMC	CALCULATED	CALCULATED
RM AT BHT	1.10 OHMM @ 51.7 DEGC		
TIME SINCE CIRCULATION	10.5 HOURS		
MAX. RECORDED TEMP.	56.3 DEGC		
EQUIP. NO.	LOCATION	Z008672	CANADA OPEN
RECORDED BY	J. COLLIER/I. ZALESKIKH		
WITNESSED BY	D. PRIOR		

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
311.0 MM	0.0 M	401.8 M
222.0 MM	401.8 M	2001.0 M

CASING RECORD			
SIZE	WEIGHT	GRADE	FROM
244.5 MM	59.5 KG/M	NA	0.0 M
			401.8 M

REMARKS

RUN 2 TRIP 4 :

TIME STOPPED CIRCULATION: 18-FEB-2013 01:30 PM

CORRELATED TO BAKER HUGHES WIRELINE 29-JAN-2013
GR FAILED NEAR 600M, SPLICED GR FROM DOWNLOG AT 659.0M
STUCK AT 1973.5M, LOGGED UP WHEN TOOLS BECAME FREE, RIG DID WIPER TRIP
AFTER WIPER TRIP RUN TOOLS AS FOLLOW: XMAC/HDIL, STAR/CBIL, FLEX/MREX
DATA RECORDED AND PRESENTED IN STANDARD RESOLUTION.

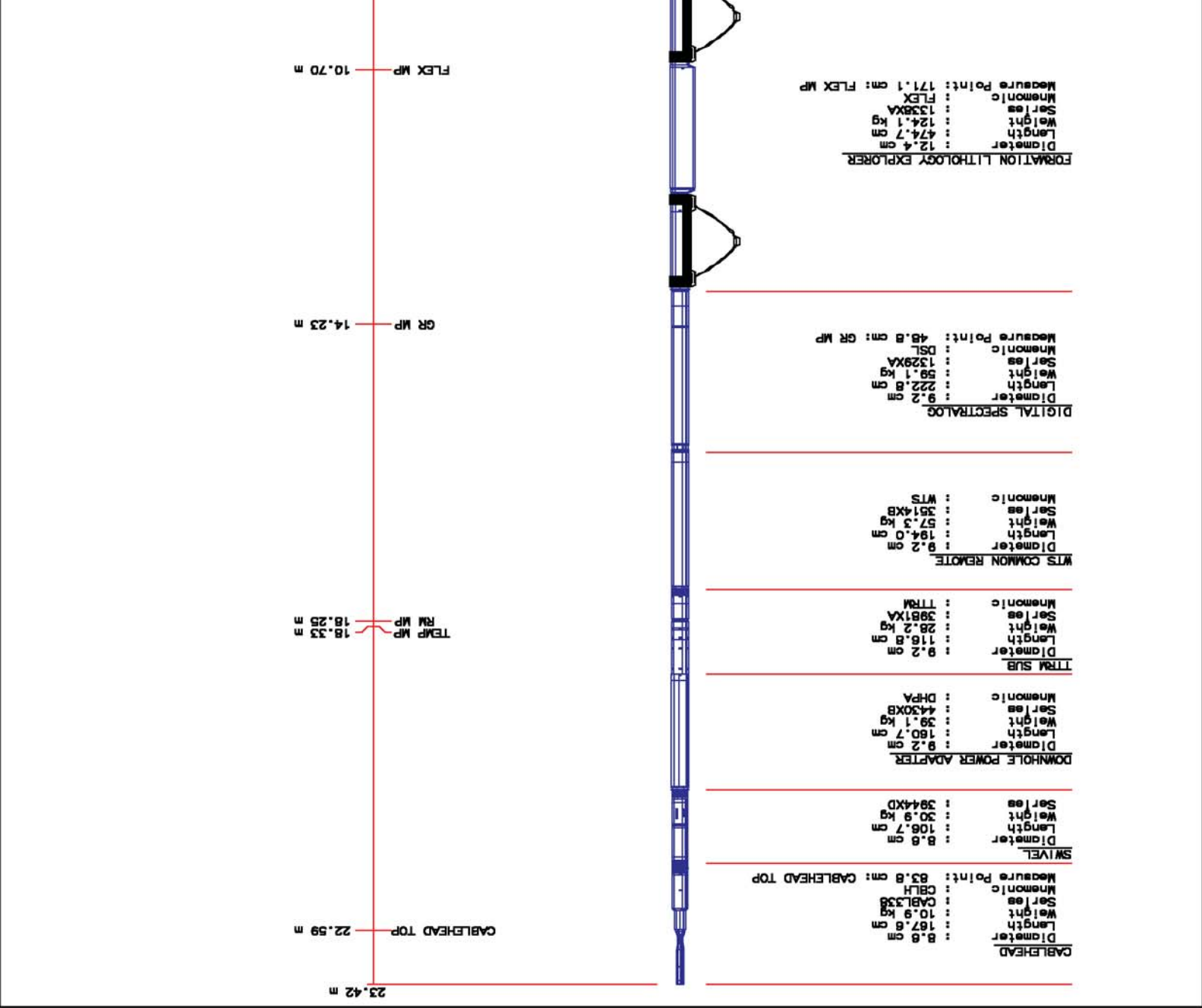
RIG: AKITA 37

CREW: J. COLLIER, I. ZALESKIKH, J. WOODS, N. McDERMID, J. PEREIRA, J. VANDERHONIG, T. N

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
2	4	SWIVEL	3944XD	10513050	FREE
2	4	DHPA	4430XB	10390598	FREE
2	4	TTRM SUB	3981XB	10516528	FREE
2	4	COMM	3514XB	10504656	FREE
2	4	WTS DGR/SU	1329XB	12492319	FREE
2	4	FLEX	1338QA	10201183	DECENTRALIZED
2	4	FLEX	1338EA	10203228	DECENTRALIZED
2	4	WTS DBL KNU	3939XA	12107158	FREE
2	4	MREX CAPAC	3218QA	10075150	DECENTRALIZED
2	4	NTRM ELECT	3218EC	12645483	DECENTRALIZED
2	4	NTRM MANDRE	3218MB	12668017	DECENTRALIZED

INSTRUMENT CONFIGURATION

Source File: /data/MGM/run2_oh/flexmrex-ldg



MAIN LOG

Tue Feb 19 05:07:16 2013

Cplot

Fileview 5.61

FILE:	/data/MGM/run2-oh/m98002.prm
LOGGING MODE:	DEPTH
TOP DEPTH:	336.788 m
BOTTOM DEPTH:	1994.840 m
DIRECTION:	DOWN

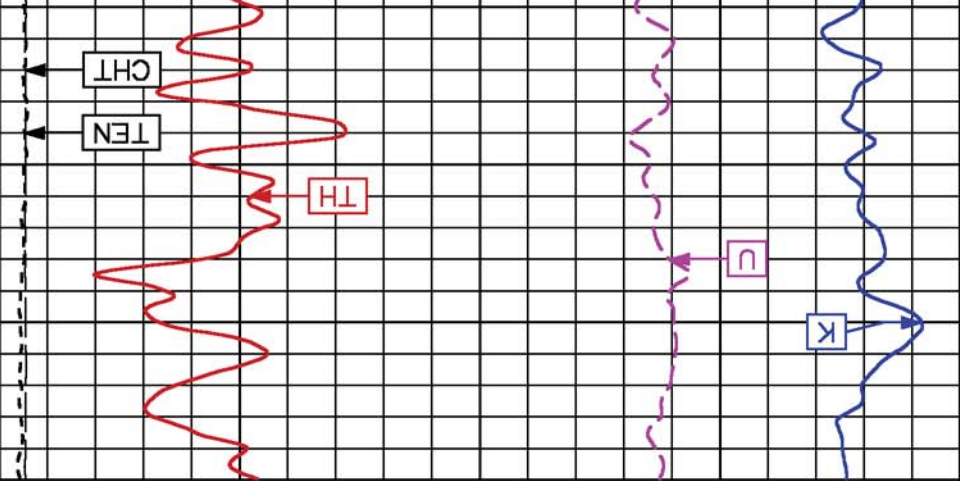
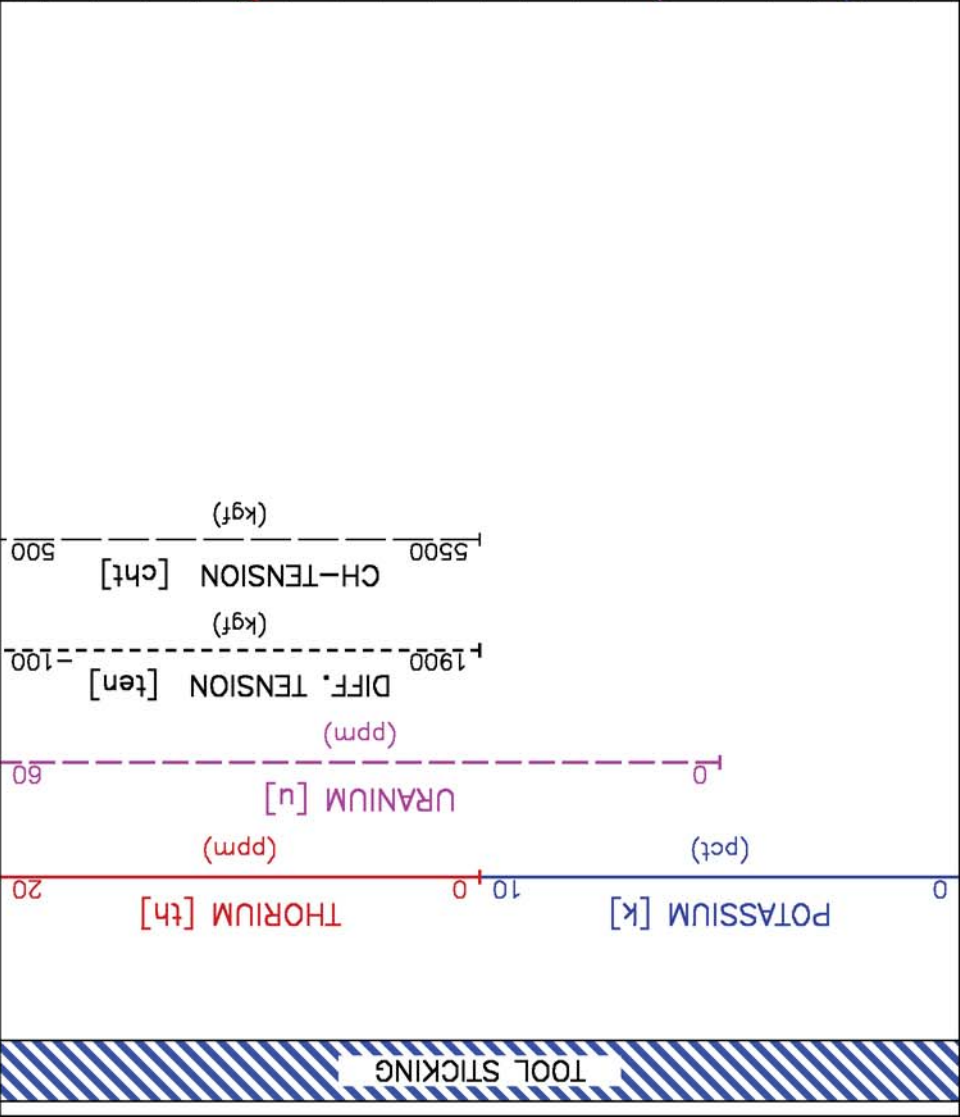
SYMMETRIC FILTER

MEASUREMENT TYPE		PARAMETER	VALUE	UNITS	INTERVAL (m)
CHT	FILTER	(.h)	medium	(1)	TOP
		(.h)	medium	(1)	BOTTOM
SPEED	FILTER	(.1)	medium	(1)	"
		(.h)	medium	(1)	"
TENSION	FILTER	(.1)	medium	(1)	"
		(.h)	medium	(1)	"
GR	FILTER	(.h)	medium	(1)	"
		(.1)	medium	(1)	"
SL	FILTER	(.1)	medium	(1)	"
		(.h)	medium	(1)	"

BOREHOLE & CEMENT

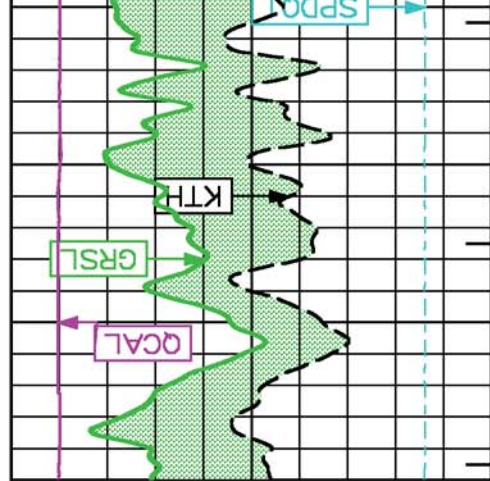
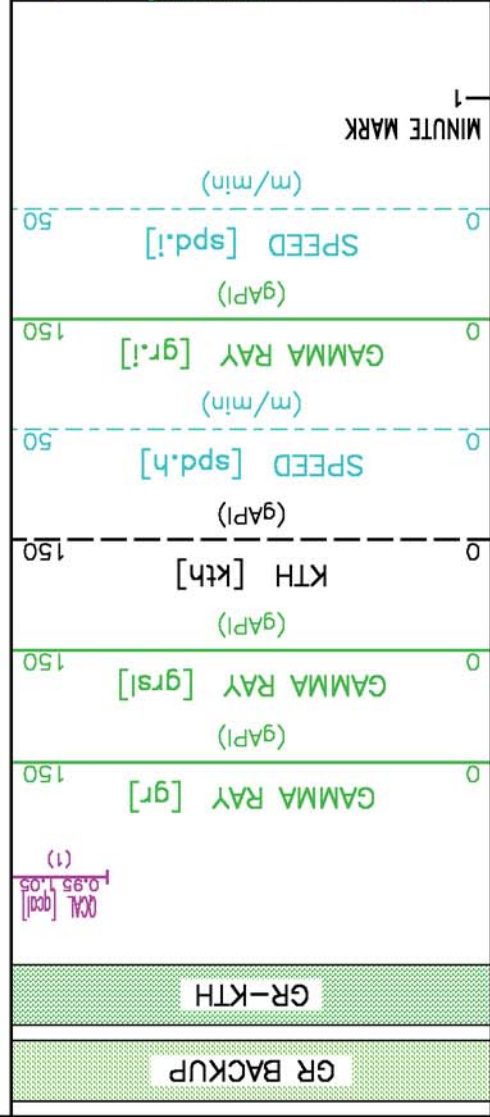
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	0.00	QCAL	33.76	GRSL	33.76	POTASSIUM [k]	0.00	TEN	0.00
GR	33.76	SPDQ1	0.00	K	33.76	TH	33.76	U	33.76
GR01	33.68	SPDQ1	0.00	KTH	33.76	TH	33.76	U	33.76

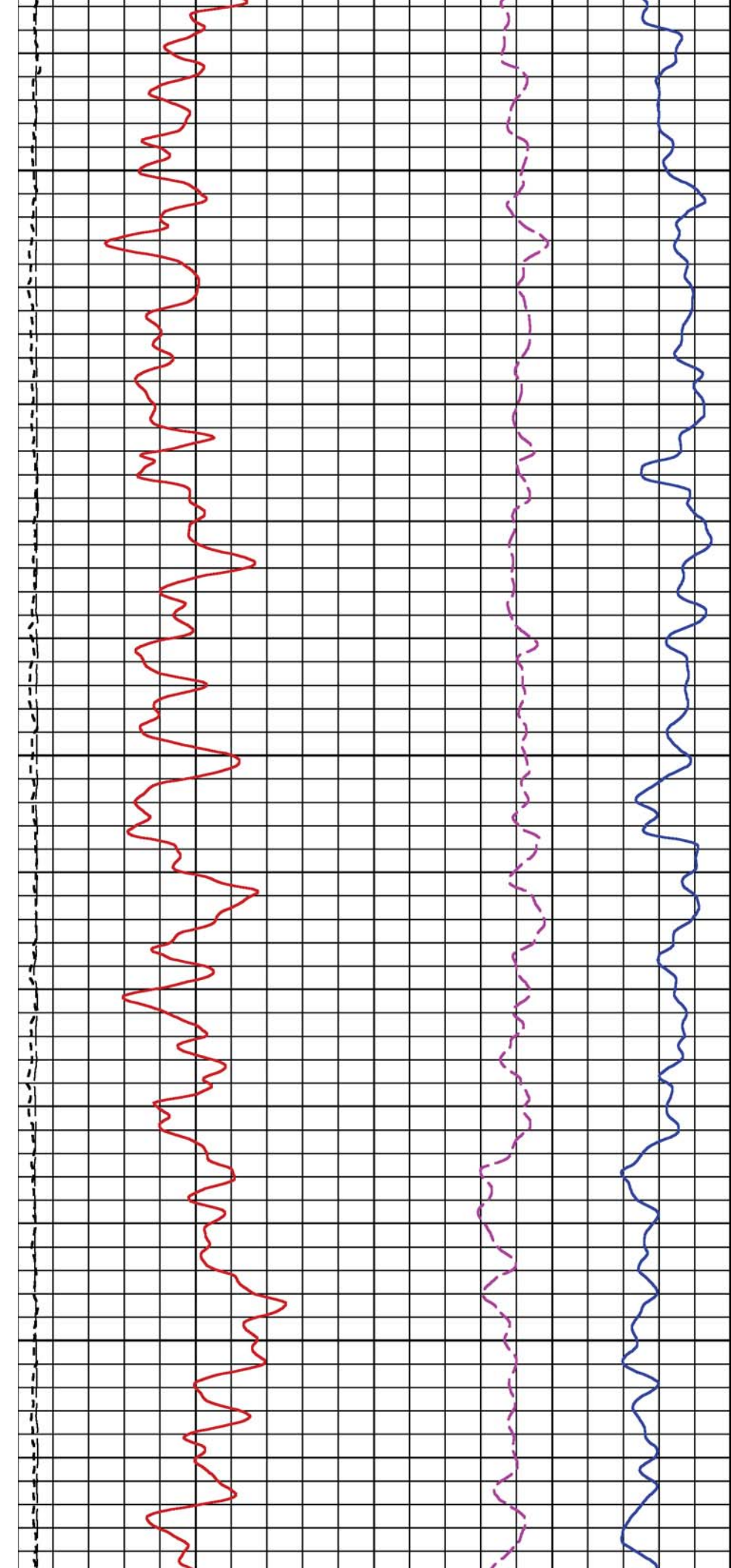
Presentation : sysa:/dat1a/MGM/run2_oh/slmain.pdf [1:240 Scale] Plot Interval : 1650 - 2005.13 Meters	Data File 1 : F1 : sysa:/dat1a/MGM/run2_oh/222_main.xtf Created On : Feb 16 07:26:57 2013 Company : MGM ENERGY CORP Well : MGM SHELL EAST MACKAY I-78 Field : EAST MACKAY File Interval : 317.983 - 2005.13 Meters Oct : m980e
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METERS

1650

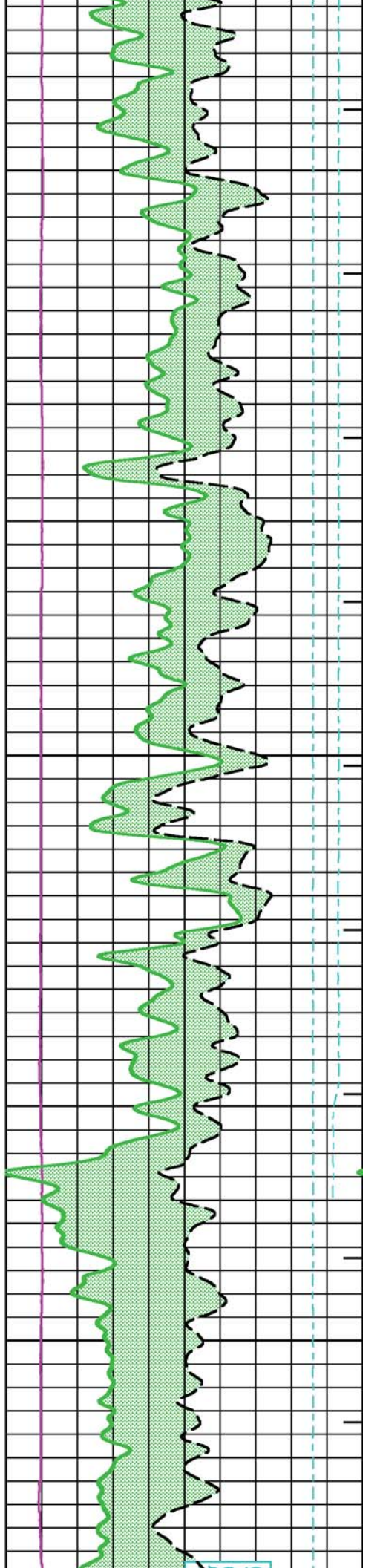


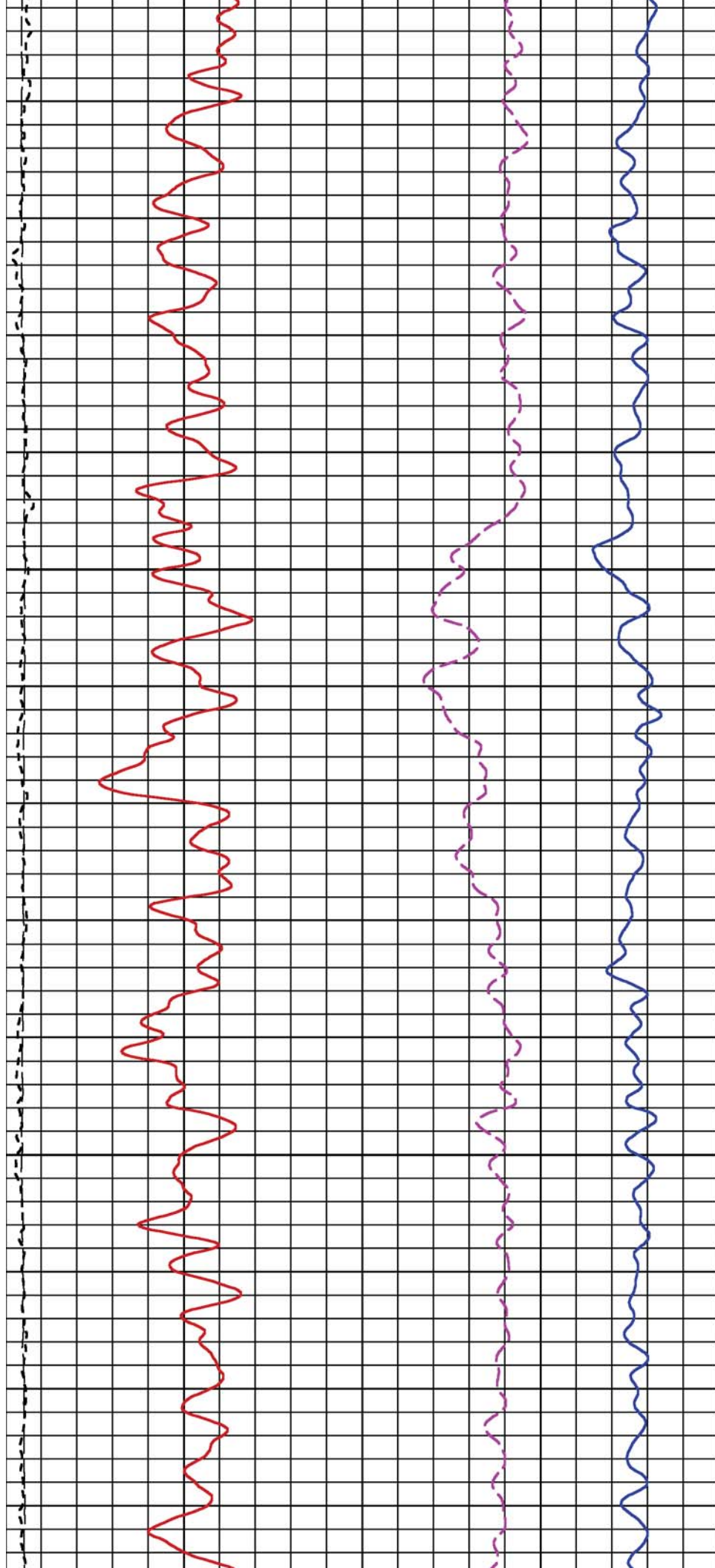


1675

1700

1725

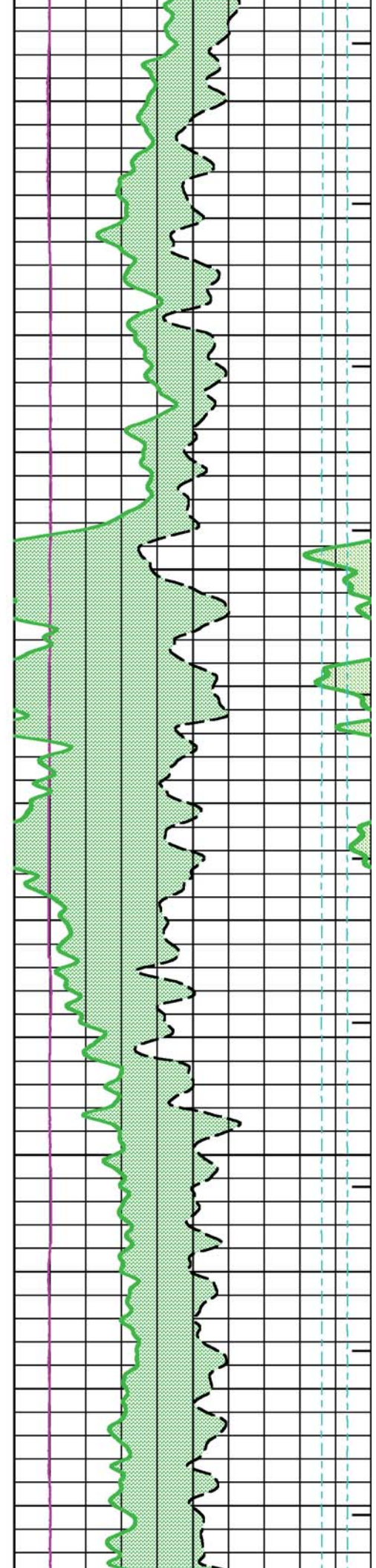


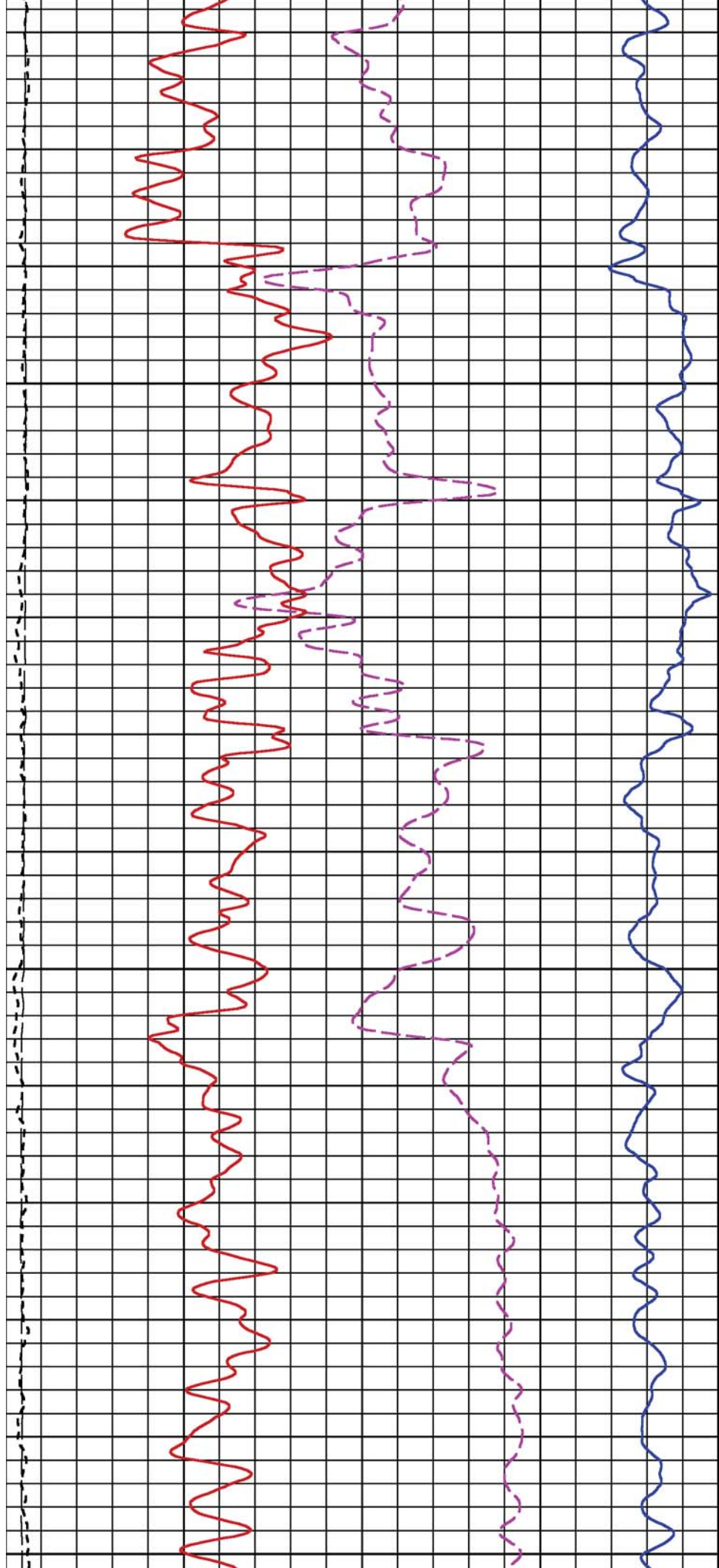


1750

1775

1

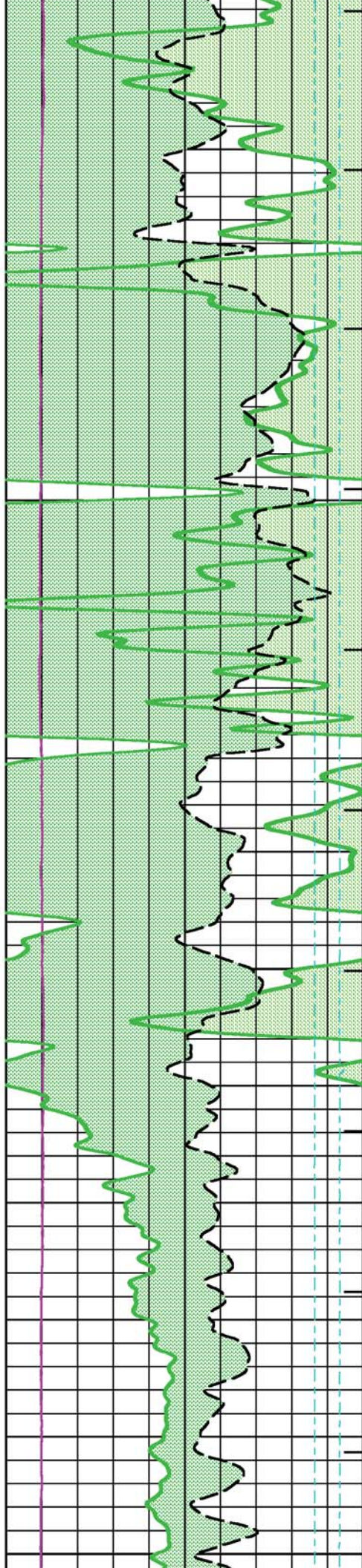


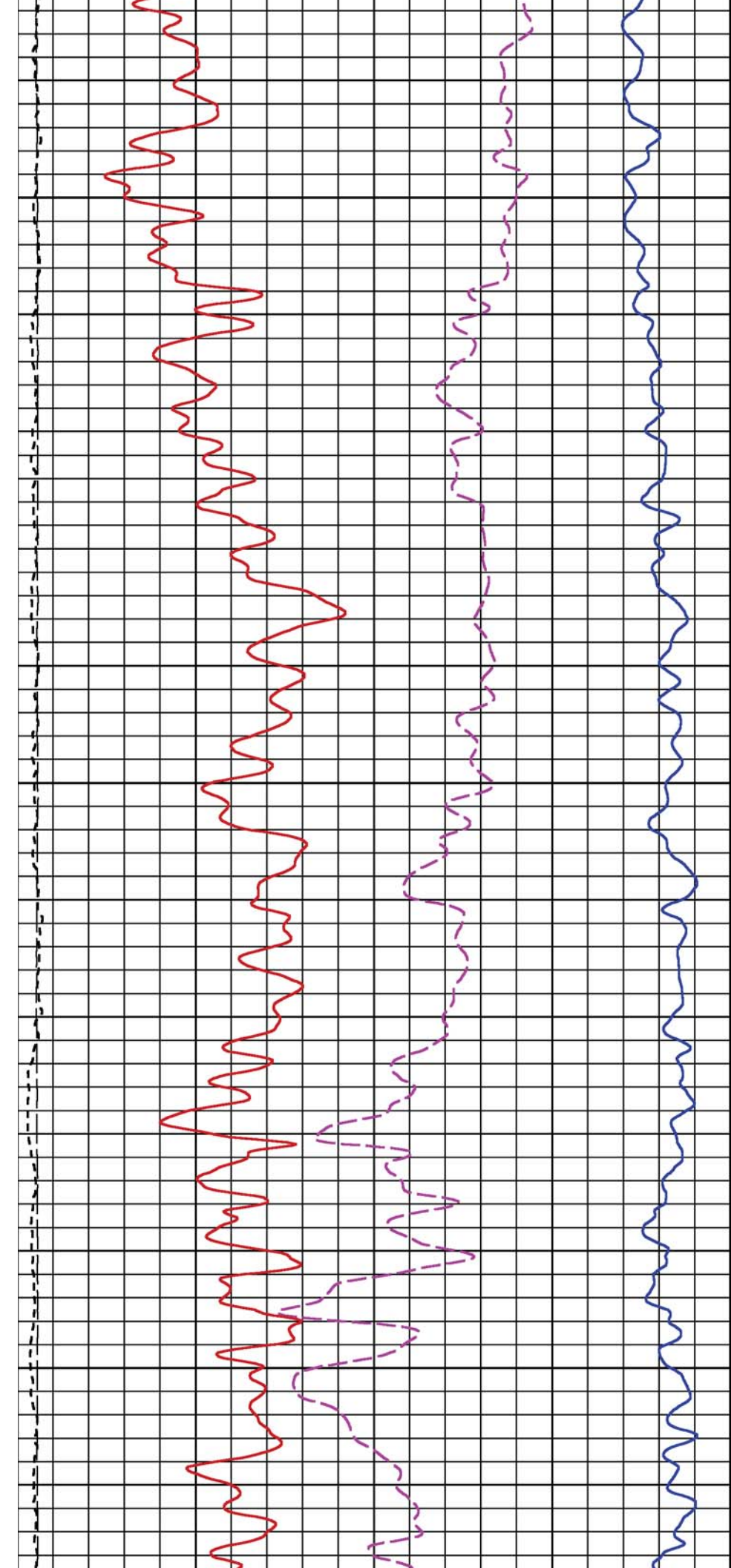


800

1825

1850

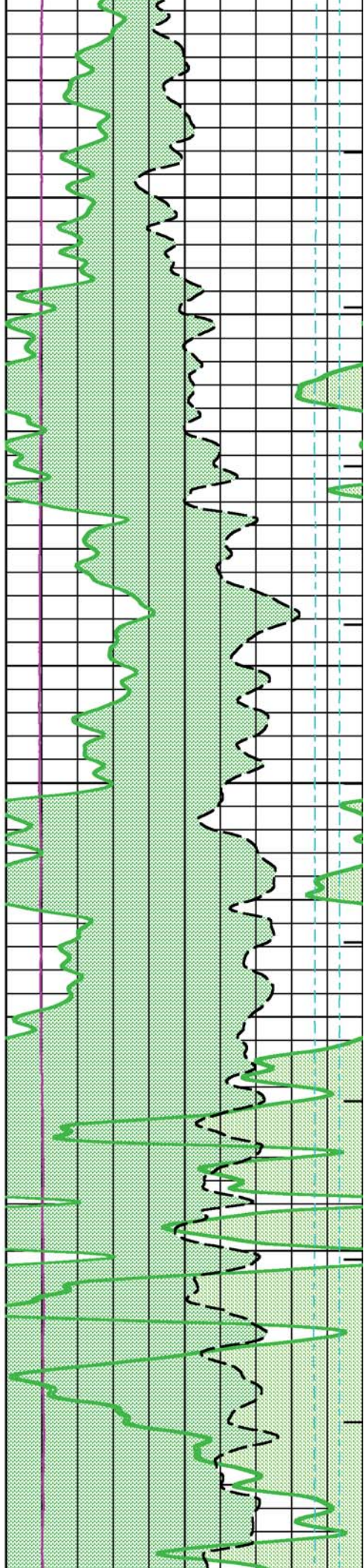


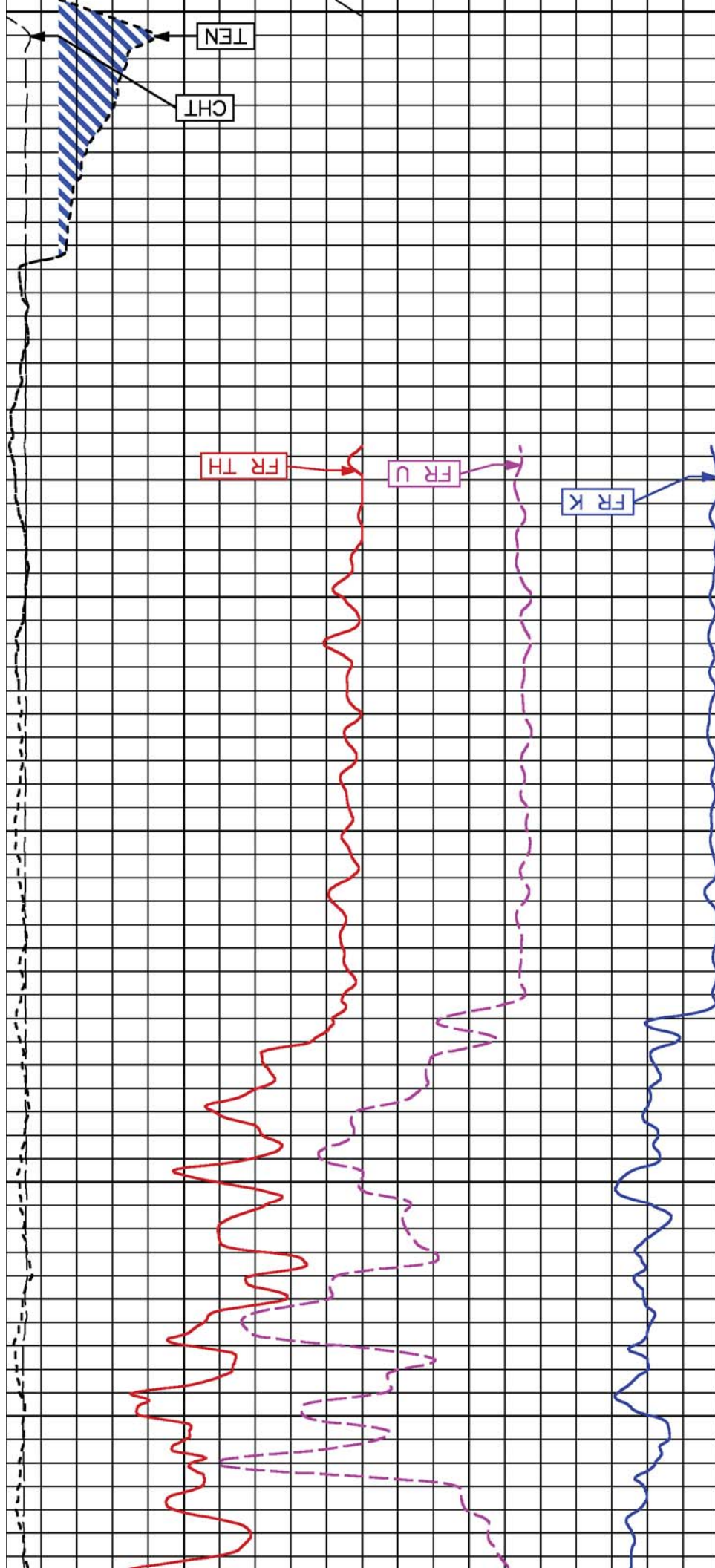


1875

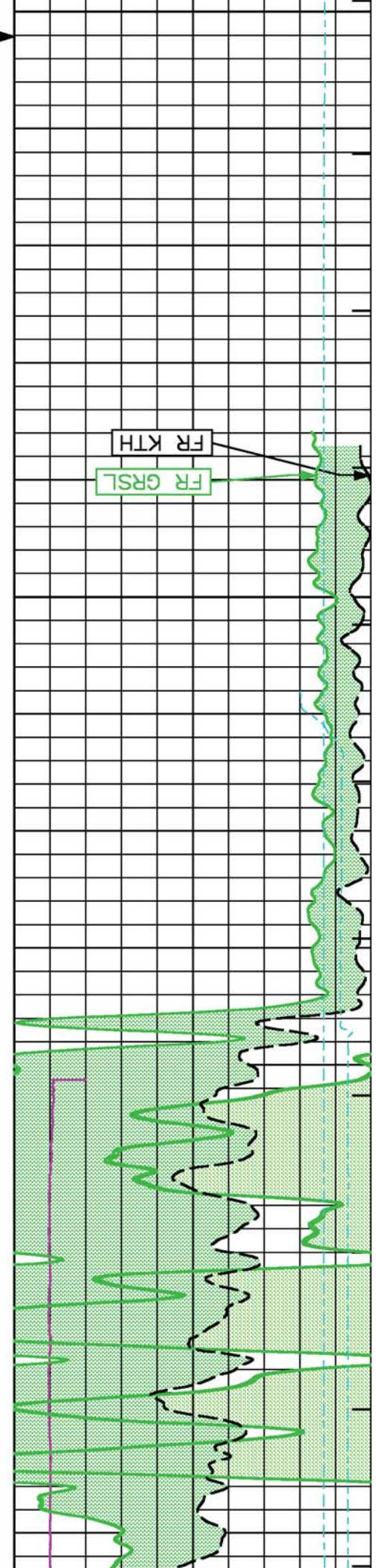
1900

1925



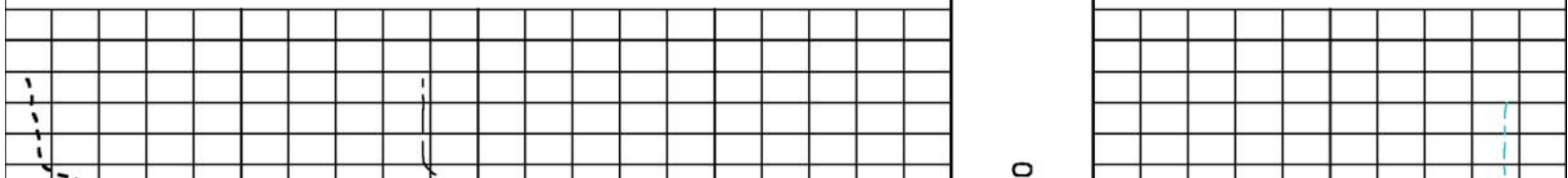


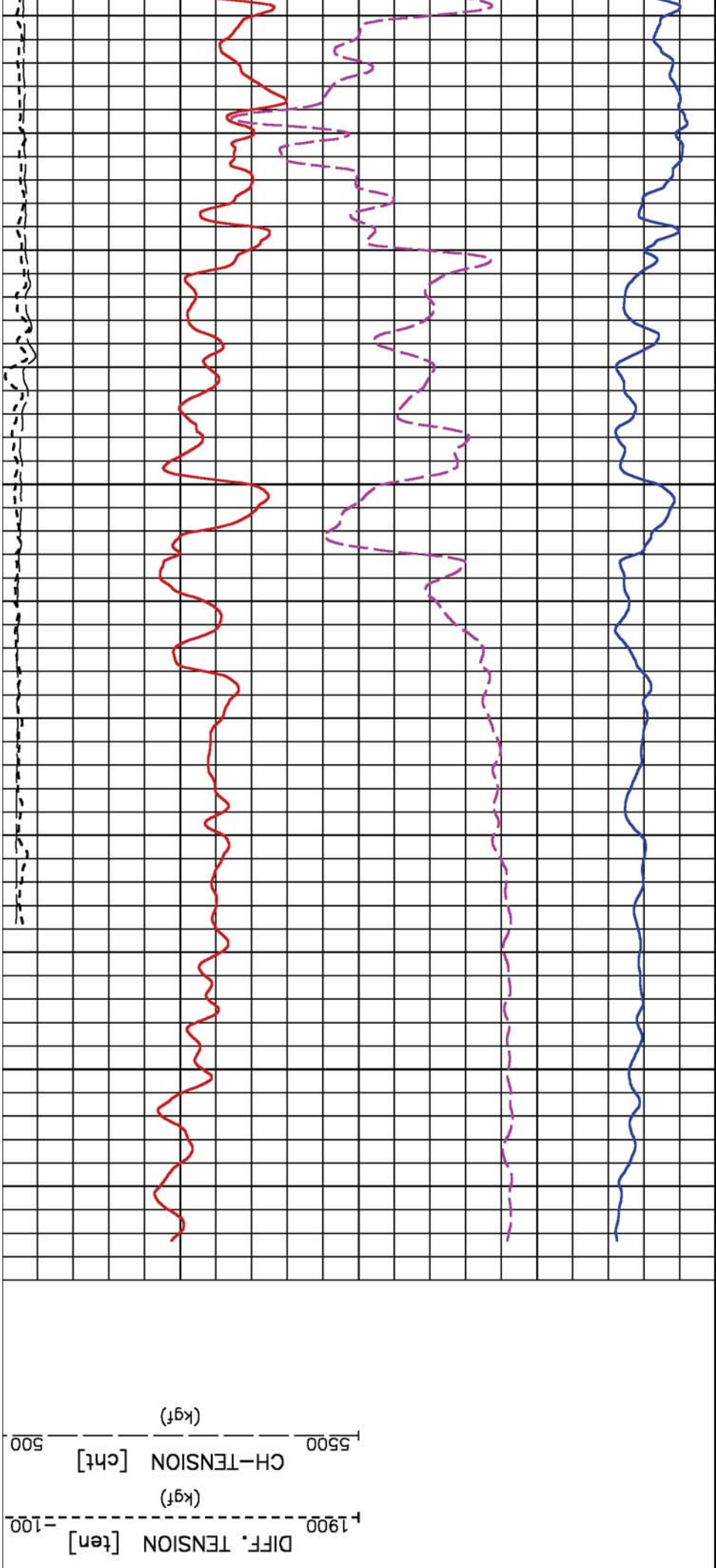
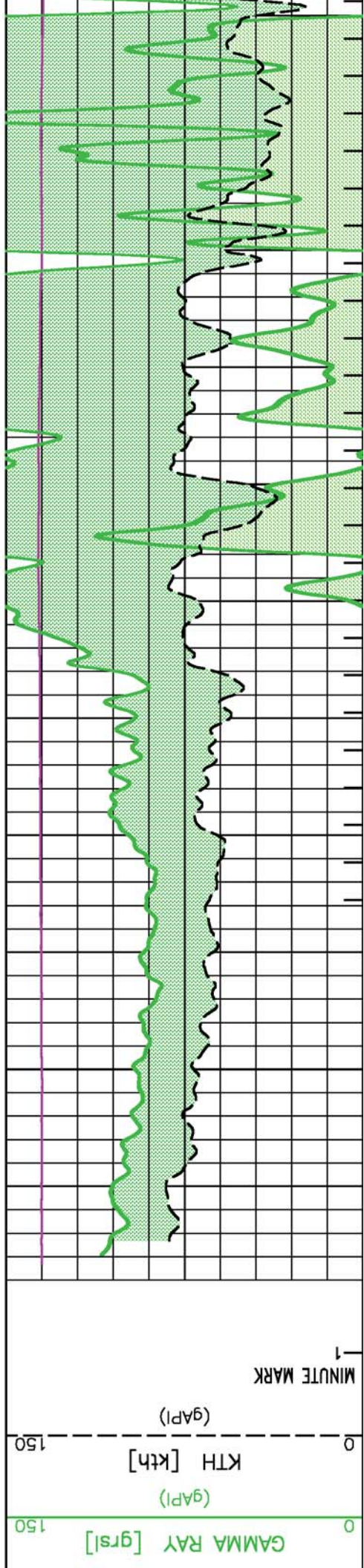
1950 1975 2000

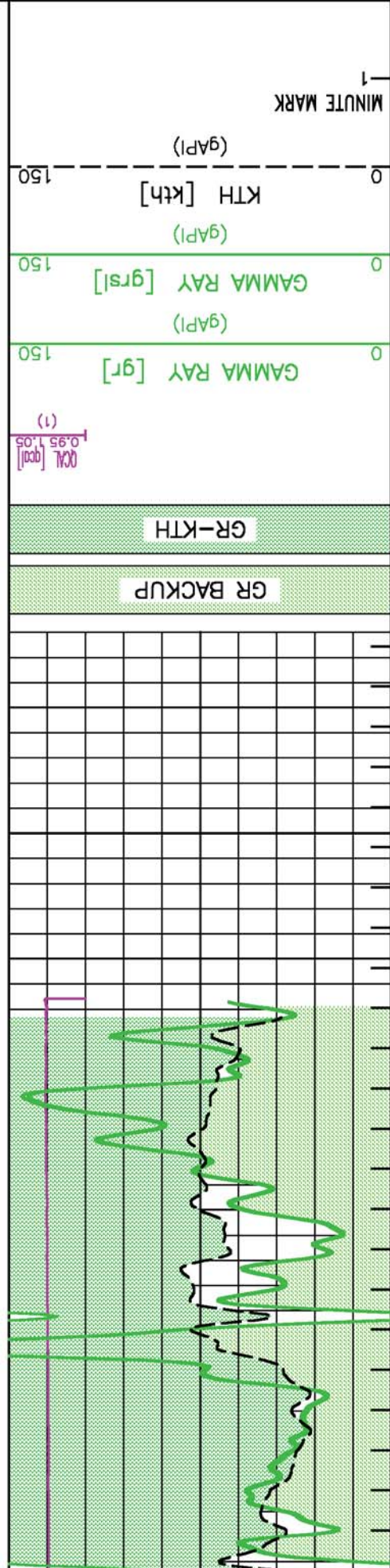


ECLIPS 6.1! Aug 06, 2010	Perph / main/62	Cplot	Pdf_Cpp / main/16	Fileview 5.61
Updates: 1,2 Patches: 3				
Tue Feb 19 04:13:12 2013				

REPEAT LOG



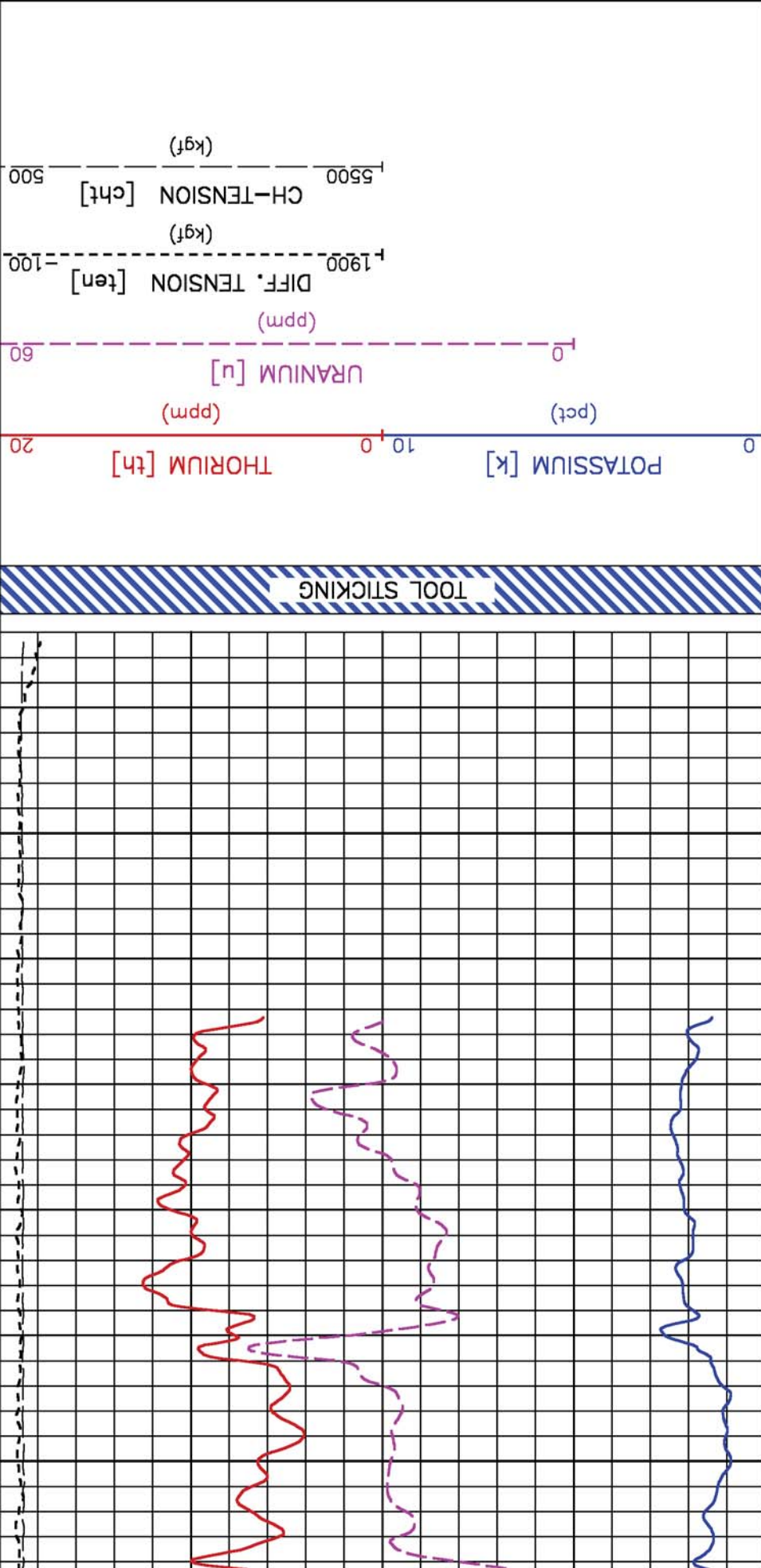




METERS

1875

1850



CALIBRATION / VERIFICATION SUMMARY

Source File: /data/MGM/run2_oh/m770b_flexmex.rpt

CHT PRIMARY CALIBRATION SUMMARY

TOOL #: 3981XA 10516528 DATE/TIME PERFORMED: Sat Feb 16 00:23:59 2013

UNIT #: 3815SA 008672

Signal Low Signal High Scale Mult Scale Add Engr Low Engr High
(raw) (raw) (kgf) (kgf)
50.00 526.78 2.10 -104.87 0.00 1000.00
CHT

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 12492319 DATE/TIME PERFORMED: Sun Feb 17 02:10:04 2013

UNIT #: 3815SA 008672 CALB JIG #: 4702NK DA-477

BACKGROUND CALBTR ON CR DIFF MULT BACKGROUND CALBTR ON CALBTR
(cts/s) (cts/s) (cts/s) (gAP) (gAP) (gAP)
237.47 1119.67 882.2 0.170 40.38 190.38 150
830.0 960.0

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 12492319 DATE/TIME PERFORMED: Sun Feb 17 02:16:45 2013

UNIT #: 3815SA 008672 VERI JIG #: 4702NK DA-477

BACKGROUND CALBTR ON MULT BACKGROUND CALBTR ON DIFF.
(cts/s) (cts/s) (gAP) (gAP) (gAP)
232.27 1125.00 0.170 39.49 191.28 151.79 140.00 160.00

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 12492319 DATE/TIME PERFORMED: Sun Feb 17 17:13:25 2013 DAYS SINCE CAL: 0
UNIT #: 3815SA 008672 VERI JIG #: 4702NK DA-477

BACKGROUND CALBTR ON MULT BACKGROUND CALBTR ON DIFF.
(cts/s) (cts/s) (gAP) (gAP) (gAP)
28.51 969.00 0.170 6.55 164.76 158.21

GR AFTER LOG VERIFICATION SUMMARY									
TOOL # :		1329XA 12492319		DATE/TIME PERFORMED:		Tue Feb 19 04:48:34 2013		DAYS SINCE CAL: 2	
UNIT # :		3815SA 008672		VERI JIG # : 4702NK DA-477					
BACKGROUN CALBTR ON		MULT		BACKGROUN CALBTR ON		DIFF.			
(cts/s)		(cts/s)		(gAPI)		(gAPI)		(gAPI)	
32.80		908.13		0.170		5.58		154.41	
GR								148.83	
								148.21	
								168.21	

OK	38:51	38:58	39:17	39:3	39:17	141.79	161.79
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TOOL # :	1329XA 12492319	DATE/TIME PERFORMED:	Tue Feb 19 04:48:34 2013	DAYS SINCE CAL:	2
UNIT # :	3815SA 008672	VERI JIG # :	4702NK DA-477		

UNIT # :	3815SA 008672	VERI JIG # :	4702NK DA-477
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GR	32.80 (cts/s)	908.13 (cts/s)	0.170	5.58 (gAPI)	154.41 (gAPI)	148.21 148.83 (gAPI)	148.21
	BACKGROUND CALBRTR ON	MULT	BACKGROUND CALBRTR ON	DIFF.			

TOOL # :	1329XA 12492319	DATE/TIME PERFORMED:	Sun Feb 17 02:13:23 2013
UNIT # :	3815SA 008672	CALIBRATOR ID :	4702NA DA-477

UNIT # :	38155A 008672	CALIBRATOR ID :	4702NA DA-477
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App Con	Log Mult	Std Mult	Tool Norm	Meas Rate	Meas Rate	Std Rate	E (.25-3.0)
(pct ppm)			(cts/s)	(cts/s)	(cts/s)	(cts/s)	
			1.030	537.9	554		
			0.900				
			1.100				

TH	0.10135	0.10438	56.100
U	0.03851	0.03966	21.300
K	0.01602	0.01650	8.900

Mult	71.300	1.631	0.248	1.001	3033	8.68
Add	chnl/Mev	chnls	QSA	QCAL	GAIN	U Pk Res
					%	
SPECTRUM						
				0.980 1.020		

	P1	P2	P3	P4	P5
Std Pk	25.80	44.20	81.00	127.40	159.00
	.352 MeV	.609 MeV	1.120 MeV	1.765 MeV	2.204 MeV
Meas Pk	26.27	45.21	82.02	127.53	158.49
	22.80 28.80 40.20 48.20 76.00 86.00				
				121.40 133.40 152.00 166.00	
F1t Pk	26.73	45.05	81.49	127.48	158.78

TOOL #: 1329XA 12492319 DATE/TIME PERFORMED: Sun Feb 17 02:16:41 2013

UNIT #: 3815SA 008672 CALIBRATOR ID: 4702NA DA-477

GR-SL (.06-3.5) Bkgnd Cal ON Mult Bkgnd Cal ON Mult App Con
(cts/s) (cts/s) (gAPI/(cts/s)) (gAPI) (gAPI) (gAPI)
226.07 1115.03 0.171 38.45 189.85 151

Std rate Meas rate Tool norm Std Mult Log Mult App Con
E (.25-3.0) 554 544.3 1.030
(pct ppm)

K 0.01602 0.01650 8.981
U 0.03851 0.03966 21.589
TH 0.01602 0.10438 56.818

Mult Add QSA QCAL GAIN U Pk Res
chnl/MeV chnl/s
71.425 1.474 0.248 1.002 3033 8.93

Std Pk P1 P2 P3 P4 P5
.352 MeV .609 MeV 1.120 MeV 1.765 MeV 2.204 MeV
25.80 44.20 81.00 127.40 159.00
Meas Pk 26.11 45.32 81.74 127.76 158.57
Fit Pk 26.62 44.97 81.47 127.54 158.89

SL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 12492319 DATE/TIME PERFORMED: Sun Feb 17 17:13:35 2013 DAYS SINCE CAL: 0

UNIT #: 3815SA 008672 CALIBRATOR ID: 4702NA DA-477

GR-SL (.06-3.5) Bkgnd Cal ON Mult Bkgnd Cal ON Mult App Con
(cts/s) (cts/s) (gAPI/(cts/s)) (gAPI) (gAPI) (gAPI)
37.93 962.37 0.171 6.44 163.48 157

Std rate Meas rate Tool norm Std Mult Log Mult App Con
E (.25-3.0) 554 545.3 1.030
(pct ppm)

K 0.01602 0.01650 8.997
U 0.03851 0.03966 21.627
TH 0.01602 0.10438 56.818

TH	0.01602	0.10438	56.917	50.490	61.710
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COMPANY	MGM ENERGY CORP	LOCATION:	LAT 64.795 N LONG 125.722 W
WELL	MGM SHELL EAST MACKAY I-78		
FIELD	EAST MACKAY		
PROVINCE	NORTHWEST TERRITORIES	ELEVATIONS:	KB 161.20 M DF GL 155.00 M
FILE NO:	API NO:	UID:	19-FEB-2013
			3001786450125 30 LICENSE: 1202

