



FILE NO:	COMPANY	MGM ENERGY CORP	
API NO:	WELL	MGM SHELL EAST MACKAY I-78	
	FIELD	EAST MACKAY	
	PROVINCE	NORTHWEST TERRITORIES	
Ver. 3.87	LOCATION:		
LICENSE: 1202	LAT 64.795	LONG -125.722	OTHER SERVICES 2ZDL-CN-GR-XYCAL HDIL-GR-CAL XMAC-GR
PERMANENT DATUM	G.L.	ELEVATION	155.00 M
LOG MEASURED FROM	K.B.	6.2 M	ABOVE P.D.
DRILL. MEAS. FROM	KELLY BUSHING		
			ELEVATIONS: KB 161.2 M DF GL 155.00 M

DATE	29-JAN-2013	
RUN	TRIP	1
SERVICE ORDER	CA215445	
DEPTH DRILLER	405.2 M	
DEPTH LOGGER	404.0 M	
BOTTOM LOGGED INTERVAL	398.5 M	
TOP LOGGED INTERVAL	23.0 M	
CASING DRILLER	406.4 MM	
CASING LOGGER	22.5 M	
BIT SIZE	311.0 MM	
TYPE OF FLUID IN HOLE	MILL GEL MUD SLURRY	
DENSITY	VISCOSITY	1140.0 G/L 78] S
PH	FLUID LOSS	8.0 10.6 ML
SOURCE OF SAMPLE	FLOWLINE	
RM AT MEAS. TEMP.	1.60 OHMM	
RMF AT MEAS. TEMP.	1.20 OHMM	
RMC AT MEAS. TEMP.	2.20 OHMM	
SOURCE OF RMF	RMC	MEASURED
RM AT BHT	1.40 OHMM	
TIME SINCE CIRCULATION	10.0 HOURS	
MAX. RECORDED TEMP.	26.3 DEGC	
EQUIP. NO.	LOCATION	Z008672 CANADA OPEN
RECORDED BY	I.ZALESIKIH	
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 INFERENCE 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	22.5 M	405.2 M
FROM		TO

CASING RECORD			
SIZE	406.4 MM	WEIGHT	81.8 KG/M
GRADE	NA	FROM	0.0 M
		TO	22.5 M

REMARKS

RUN 1 TRIP 1 : TIME STOPPED CIRCULATION: 29-JAN-2013 11:30 AM

MAXIMUM TEMPERATURE ON THERMOMETERS: 26 AND 26 DEGC
TEMPERATURE LOG WAS RECORDED ON THE WAY DOWN.

HOLE VOLUMES OBTAINED FROM ZDL-X AND Y-AXIS CALIPERS.
INTEGRATED BOREHOLE VOLUME TICS EVERY: 0.1, 1.0 & 10.0 M3.
INTEGRATED CEMENT VOLUME TICS EVERY: 0.1, 1.0, & 10.0 M3.

TOTAL BOREHOLE VOLUME FROM 398.5 M TO 23 M: 27.8 M3
TOTAL CEMENT VOLUME FROM 398.5 M TO 23 M FOR 244.5 MM CSG: 9.9 M3

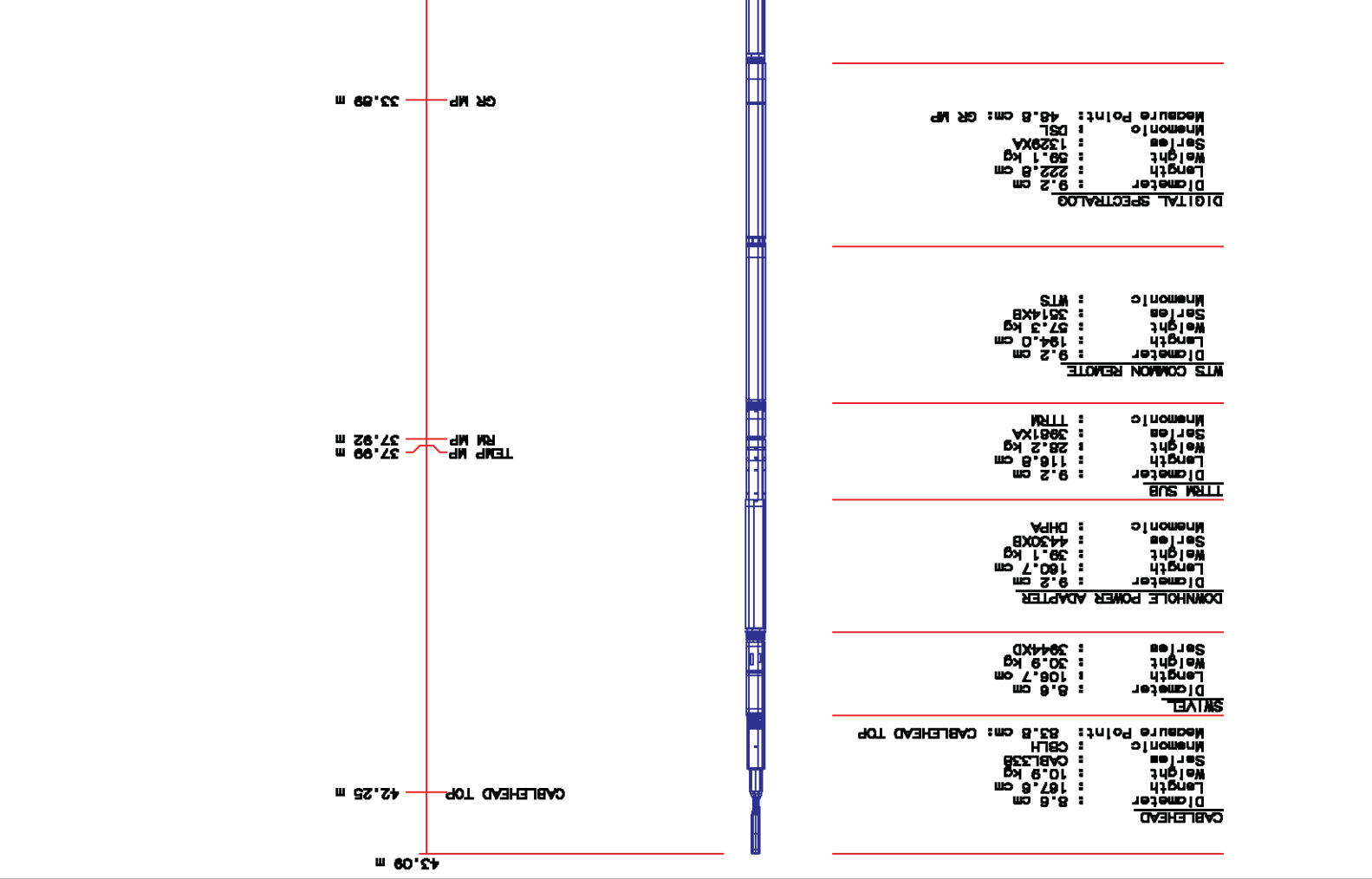
RIG: AKITA #37

CREW: I.ZALESIKIH, J.PEREIRA, N.MCDERMID, K.HASLUK

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	SWIVEL	3944XD	10513050	FREE
1	1	DHPA	4430XB	10390592	FREE
1	1	TTRM SUB	3981XB	10516528	FREE
1	1	COMM	3514XB	10504656	FREE
1	1	WTS DGR/SU	1329XB	10293862	FREE
1	1	ORIT	4401XB	12466129	FREE
1	1	ACOUSTIC EL	1677EA	10383992	CENTRALIZED
1	1	XMAC RX MDR	1678MC	10386815	CENTRALIZED
1	1	XMAC ISO	1678PB	10039369	FREE
1	1	XMAC TX ELC	1678BA	12168167	CENTRALIZED
1	1	XMAC TX ELC	1678FA	12188364	CENTRALIZED
1	1	WTS DBL KNJ	3939XA	12448499	FREE
1	1	FQC/WTS ADP	3527EA	12337591	FREE
1	1	FQC/WTS ADP	3527FA	12494796	FREE
1	1	TMA SUB	3980XA	2402456	FREE
1	1	FOCUS CN	2436XA	10105638	DECENTRALIZED
1	1	FOCUS ZDEN	2223XA	10391896	PAD DEVICE
1	1	DBL KNJ/T	3931XA	10469360	FREE
1	1	ALGNMNT SUB	4408NA	10265502	FREE
1	1	FOCUS ZDEN	2223XA	10102923	PAD DEVICE
1	1	DBL KNJ/T	3931XA	10189700	FREE
1	1	FOCUS HDL	1530XA	10125755	STANDOFF

INSTRUMENT CONFIGURATION

Source File: /data/MGM/run1_oh/m980g_mgm_R1-ldg



DIGITAL ORIENTATION
Diameter : 8.6 cm
Length : 329.4 cm
Weight : 50.0 kg
Series : 4401XB
Mnemonic : OR1T
Measure Point: 0.0 cm: ORIENT MP

ARRAY ACOUSTIC LOG ELECTRONICS, B CHANNEL
Diameter : 8.6 cm
Length : 238.3 cm
Weight : 48.4 kg
Series : 1877EA
Mnemonic : XMAC

CROSS MULTIPOLE ARRAY ACOUSTIC LOG

Diameter : 9.6 cm
Length : 332.4 cm
Weight : 101.8 kg
Series : 1878MC
Mnemonic : XMT1
Measure Point: 187.8 cm: R8
Measure Point: 152.4 cm: R7
Measure Point: 137.2 cm: R6
Measure Point: 121.9 cm: R5
Measure Point: 108.7 cm: R4
Measure Point: 91.4 cm: R3
Measure Point: 76.2 cm: R2
Measure Point: 61.0 cm: R1

SHEAR WAVE ACOUSTIC LOG

Diameter : 9.2 cm
Length : 152.4 cm
Weight : 61.4 kg
Series : 1878PB
Mnemonic : XMAC

MULTI-POLE ARRAY ACOUSTIC

Diameter : 9.8 cm
Length : 241.3 cm
Weight : 77.3 kg
Series : 1878BA
Mnemonic : XMAC
Measure Point: 195.8 cm: QUADRUPOLE T5
Measure Point: 195.8 cm: MONOPOLE T2
Measure Point: 142.2 cm: Y-DIPOLE T4
Measure Point: 142.2 cm: X-DIPOLE T3
Measure Point: 88.9 cm: MONOPOLE T1

MULTI-POLE ARRAY ACOUSTIC

Diameter : 8.6 cm
Length : 131.8 cm
Weight : 28.4 kg
Series : 1878FA
Mnemonic : MAC

KNUCKLE JOINT (DOUBLE)

Diameter : 8.6 cm
Length : 141.8 cm
Weight : 40.9 kg
Series : 3839XA
Mnemonic : KNUJ

MTS FOCUS TELEMETRY TRANSFORMER SUB

Diameter : 9.2 cm
Length : 186.7 cm
Weight : 30.5 kg
Series : 3828EB
Mnemonic : ADAP

MTS FOCUS POWER ADAPTOR

Diameter : 9.2 cm
Length : 110.2 cm
Weight : 70.9 kg
Series : 3828FB
Mnemonic : ADAP

FOCUS TEN/TBMP/MUP RES/ACCEL

Diameter : 8.0 cm
Length : 131.4 cm
Weight : 27.7 kg
Series : 3880XA
Mnemonic : TMA

FOCUS COMPENSATED NEUTRON

Diameter : 8.0 cm
Length : 148.7 cm
Weight : 29.5 kg
Series : 2438XA
Mnemonic : CN

Measure Point: 58.4 cm: LSN MP
Measure Point: 44.5 cm: SSN MP

FOCUS Z-DENS LOG

Diameter : 9.6 cm
Length : 292.1 cm
Weight : 80.9 kg
Series : 2223XA

ORIENT MP 30.11 m

R8 26.08 m
R7 25.93 m
R6 25.77 m
R5 25.62 m
R4 25.47 m
R3 25.32 m
R2 25.17 m
R1 25.01 m

MONOPOLE T2 22.42 m
QUADRUPOLE T5 22.42 m
X-DIPOLE T3 21.89 m
Y-DIPOLE T4 21.89 m

MONOPOLE T1 21.36 m

LSN MP 12.78 m
SSN MP 12.84 m

CR1 MP 10.59 m

CEMENT VOLUME LOG - 244.5 MM CASING

express 3.2 Last updated 03Oct2011 09:44 Oct 03, 2011
Updates: 1
Thu Jan 31 15:52:30 2013

Perph / main/61
Cplot 9.16
Pdf_Cpp / main/16
Fileview 4.97

PARAMETER AND FILTER SUMMARY REPORT			
FILE: /export/data/ddc/215445/m980g07.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: -0.989 m BOTTOM DEPTH: 405.844 m			

SYMMETRIC FILTER			
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS
CHT	FILTER ()	medium (1)	TOP
TENSION	FILTER ()	medium (1)	"
GR	FILTER ()	medium (1)	"
CALIPER	FILTER ()	medium (1)	"
BOREHOLE & CEMENT			
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS
INTERVAL (m)			INTERVAL (m)
244.500			
mm			
TOP			
BOTTOM			

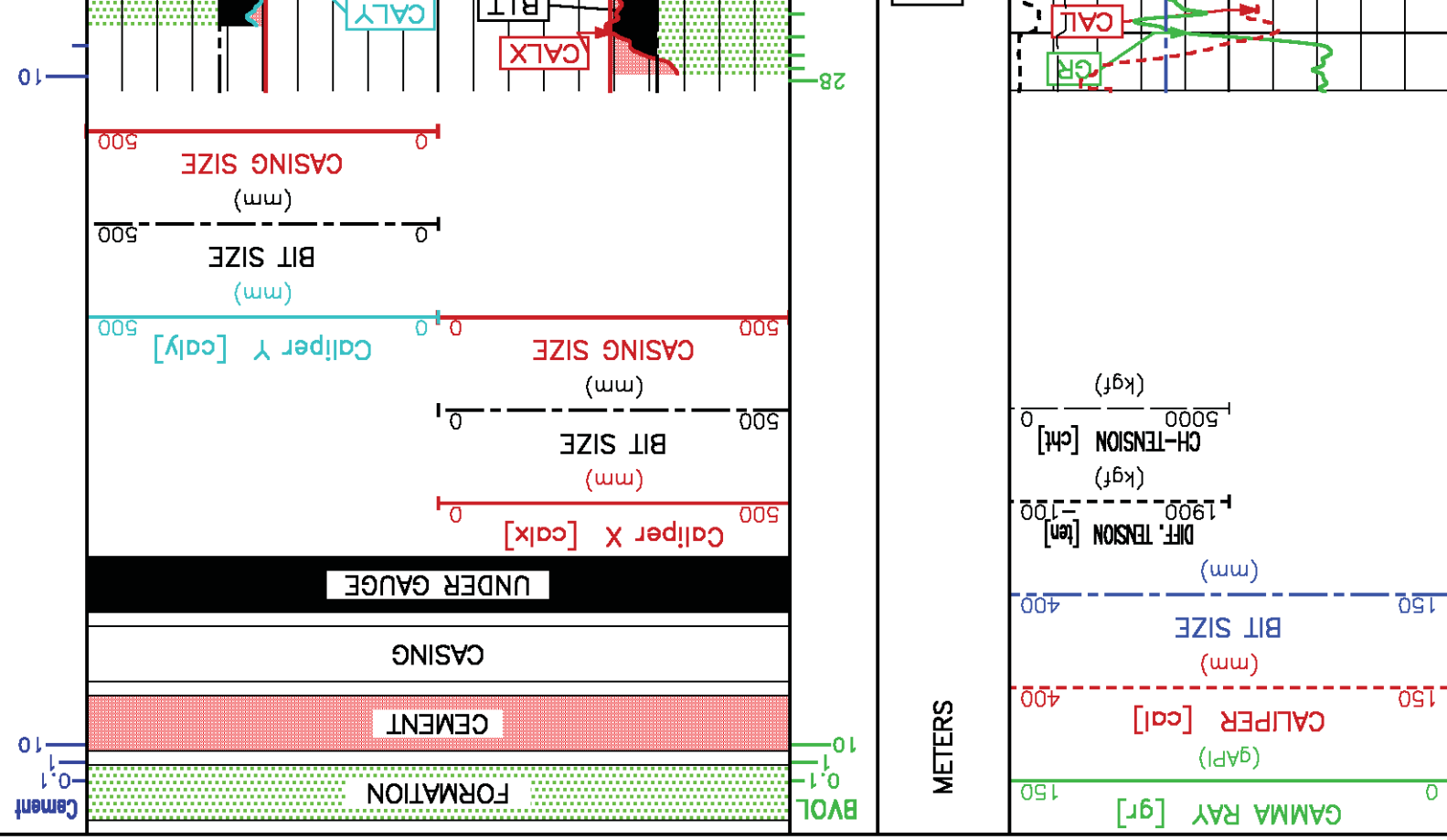
X-Y COMBINED CALIPER PROCESSING	X-Y Caliper	Average	mm	..	..
BIT SIZE	BIT SIZE	311.000		..	..

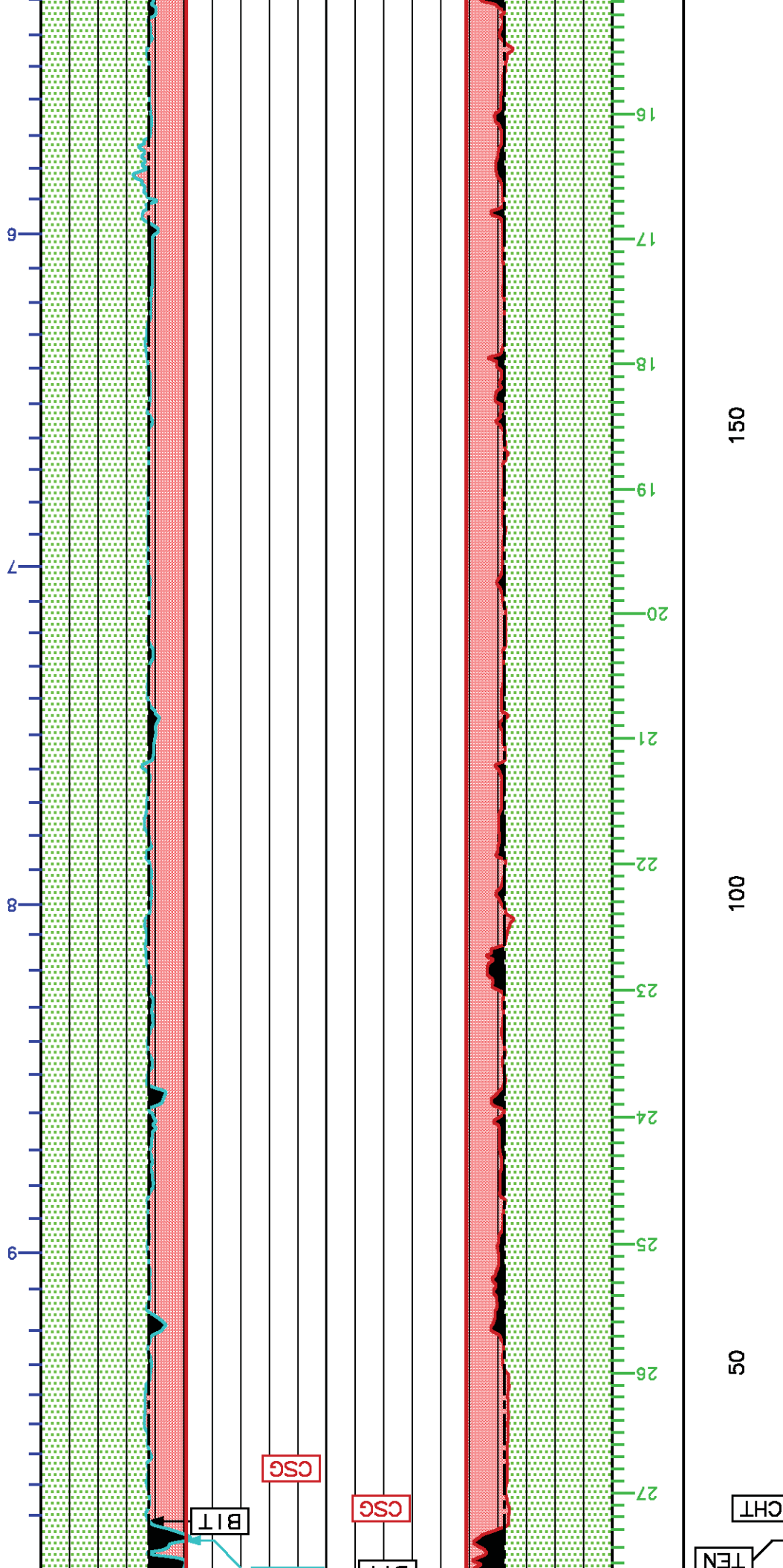
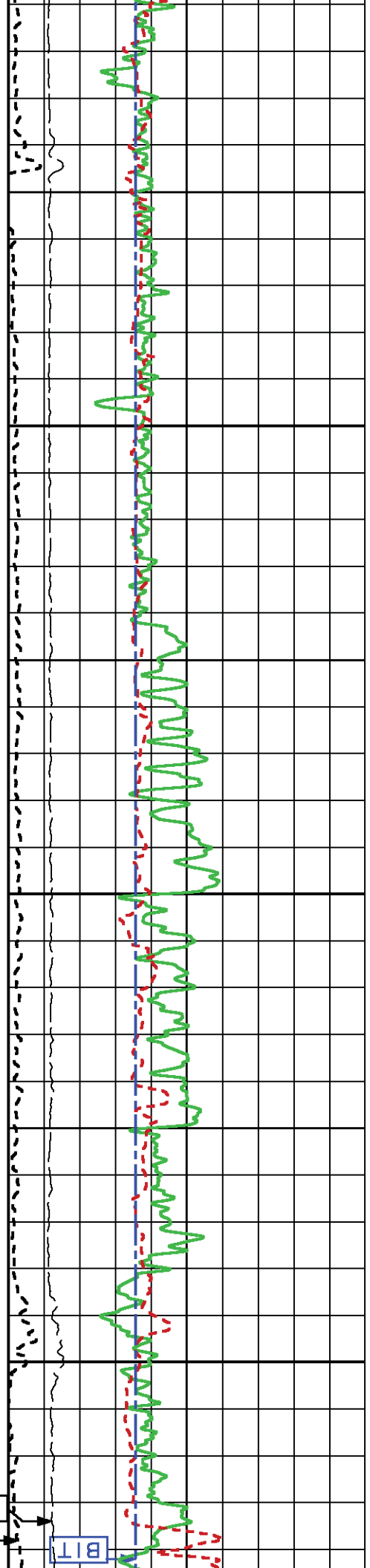
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION OFF	TOP	BOTTOM	

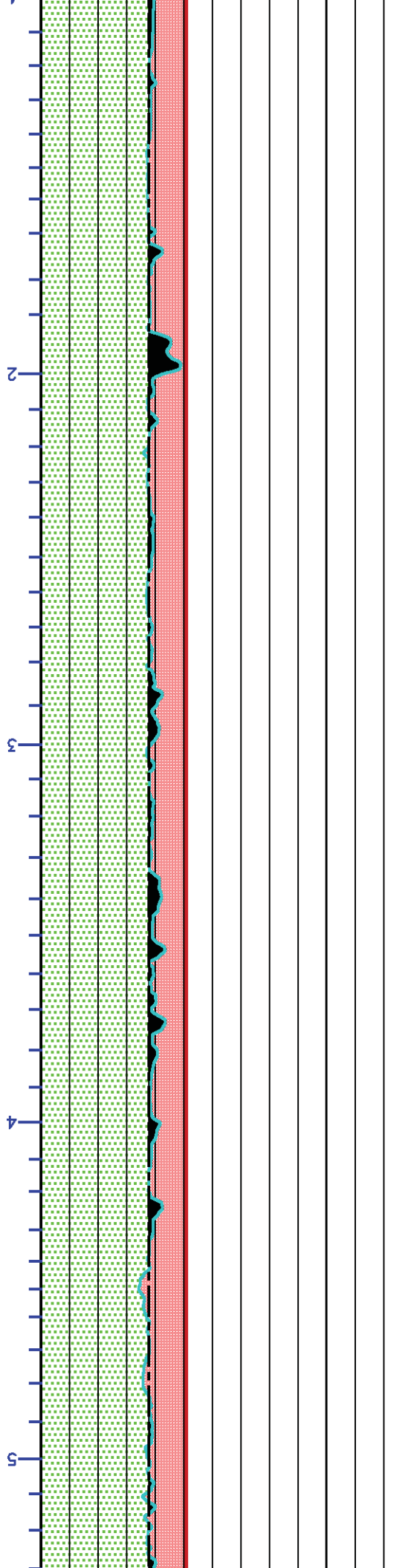
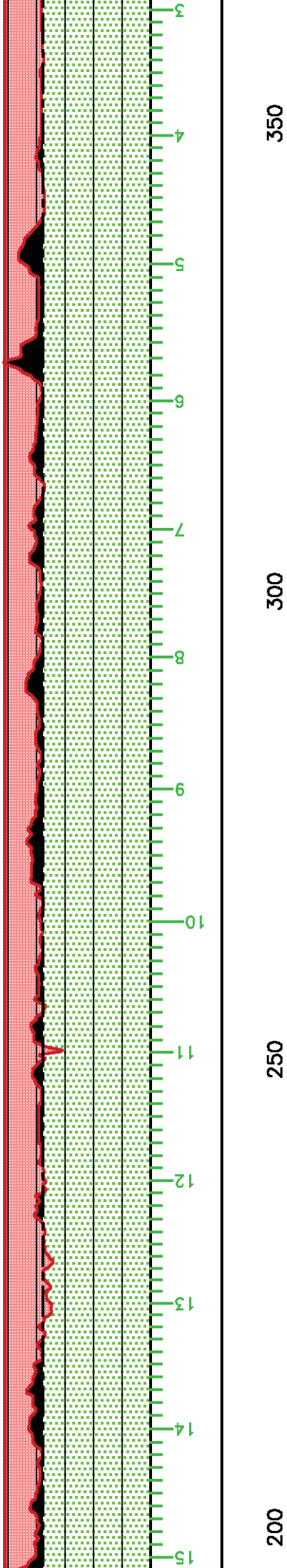
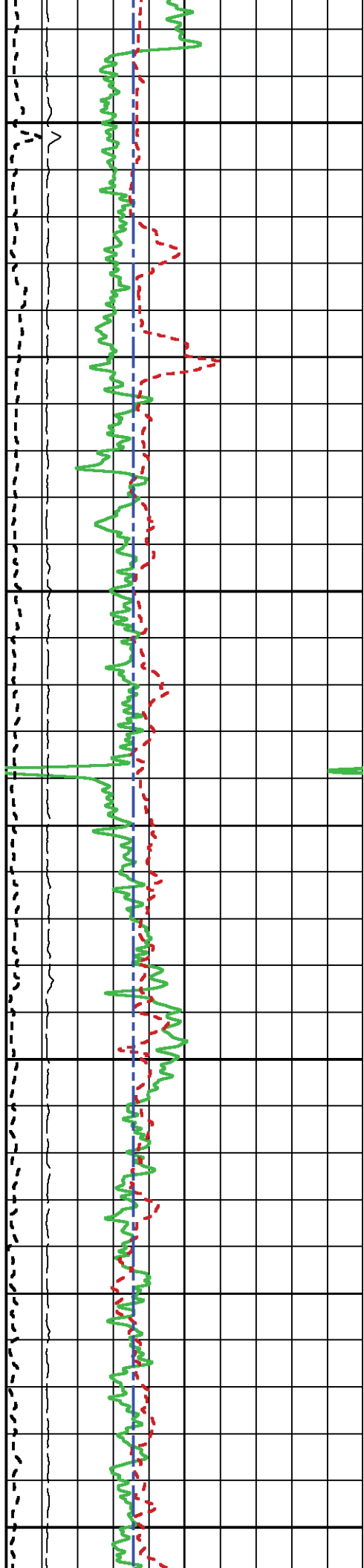
CURVE DESCRIPTION REPORT					
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION		
F1:BIT	BIT	Jan 29 21:27:27 2013	BIT SIZE		
F1:BVOL	BVOL	Jan 29 21:27:27 2013	BOREHOLE VOLUME		
F1:CAL	CAL	Jan 29 21:27:27 2013	CALIPER		
F1:CALX	CALX	Jan 29 21:27:27 2013	CALIPER FROM X AXIS OF X-Y CALIPER(S)		
F1:CALT	CALT	Jan 29 21:27:27 2013	CALIPER FROM Y AXIS OF X-Y CALIPER(S)		
F1:CHT	CHT	Jan 29 21:27:27 2013	CABLE HEAD TENSION		
F1:CVOL	CVOL	Jan 29 21:27:27 2013	CEMENT VOLUME		
F1:GR	GR	Jan 29 21:27:27 2013	GAMMA RAY		
F1:TEN	TEN	Jan 29 21:27:27 2013	DIFFERENTIAL TENSION		

CURVE MEASURE POINT OFFSET					
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CALX	9.64	GR	33.76
CAL	5.52	CALT	5.49	TEN	0.00

Project	/data/ddc/215445
User	: tuyen
Presentation	: calsunsvr3:/data/ddc/215445/bhpxycaL244.5.pdf [1:600 Scale]
Plot Interval	: 20 – 406.146 Meters
Data File 1	: f1 : calsunsvr3:/export/data/ddc/215445/slam_moin.xtf
Created On	: Jan 29 21:27:27 2013
Company	: MGM ENERGY CORP
Well	: MGM SHELL EAST MACKAY I-78
Field	: EAST MACKAY
File Interval	: -37.2618 – 406.184 Meters
Oct	: m980g

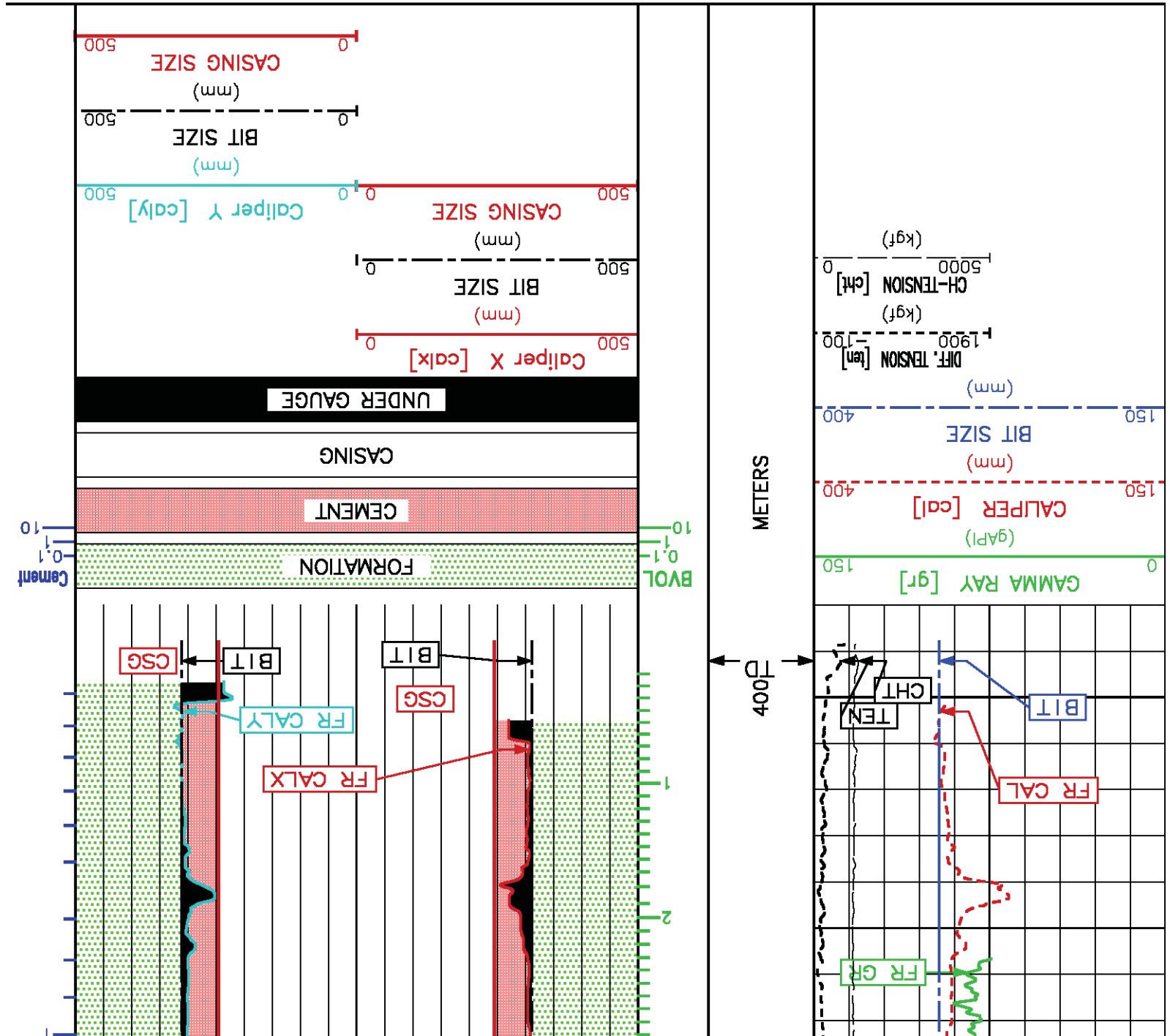






Source File: /data/MGM/run1_oh/m980g_cals.tp1

CALIBRATION / VERIFICATION SUMMARY



CHT
50.00 (raw)
560.75 (raw)
1.96
-97.90
0.00 (kgf)
1000.00 (kgf)

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 10293862 DATE/TIME PERFORMED: Wed Jan 2 15:27:33 2013

UNIT #: 5753XB 10108816 CALB JIG #: 4702NK DA-479

BACKGROUND CALBTR ON CR DIFF MULT BACKGROUND CALBTR ON CALBTR
(cts/s) (cts/s) (cts/s) (gAPI)
149.13 1025.69 876.6 0.171 25.52 175.52 150
850.0 960.0

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 10293862 DATE/TIME PERFORMED: Wed Jan 2 15:30:55 2013

UNIT #: 5753XB 10108816 VERI JIG #: 4702NK DA-479

BACKGROUND CALBTR ON MULT BACKGROUND CALBTR ON DIFF.
(cts/s) (cts/s) (gAPI) (gAPI) (gAPI)
145.09 1035.84 0.171 24.83 177.26 152.43 140.00 160.00

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Fri Jan 18 17:30:07 2013

UNIT #: S23 8672

SIZE VALUE MULTIPLIER ADD
(mm)
SMALL RING (Arm) 177.800 1199.6
LARGE RING (Arm) 279.400 2200.0 0.10156 55.96938
PAD CLOSED 1723.2 0.06350 -109.42319

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Tue Jan 29 22:24:27 2013 DAYS SINCE CAL: 11

UNIT #: 3815SA 008672

TOOL #: 2223XA 10102923 DATE/TIME PERFORMED: Tue Jan 29 22:24:24 2013 DAYS SINCE CAL: 11

CAL[2] BEFORE LOG VERIFICATION SUMMARY

SIZE	VALUE	MULTIPLIER	ADD
SMALL RING (Arm)	177.800	1040.0	
LARGE RING (Arm)	279.400	2060.0	0.09961
PAD CLOSED	1784.0	0.06350	-113.28400

UNIT #: S23 B672

TOOL #: 2223XA 10102923

DATE/TIME PERFORMED: Fri Jan 18 18:11:06 2013

CAL[2] PRIMARY CALIBRATION SUMMARY

VALUE	MULTIPLIER	ADD	SIZE
2401.2	0.10156	55.96938	299.8 (mm)
1708.8	0.06350	-109.42319	-0.9

ACTUAL	MEASURED
311.000 (mm)	313.9 (mm)
DIAMETER (arm+pad) 300.8 321.2	

UNIT #:	38155A 008672
TOOL #:	2223XA 10391896
DATE/TIME PERFORMED:	Tue Jan 29 22:25:39 2013
DAYS SINCE CAL:	11

CAL AFTER LOG VERIFICATION SUMMARY

VALUE	MULTIPLIER	ADD	SIZE
2402.4	0.10156	55.96938	300.0 (mm)
1708.4	0.06350	-109.42319	-0.9

DIAMETER (arm+pad)	ACTUAL (mm)	MEASURED (mm)
311.000	314.0	321.2 300.8

	
LOCATION:	
LAT 64.795	LONG -125.722
DATE 29-JAN-2013	
ELEVATIONS:	
KB 161.2 M	DF
GL 155.00 M	LICENSE: 1202
FILE NO:	
API NO:	
COMPANY	
WELL	
FIELD	
PROVINCE	
MGM ENERGY CORP	
MGM SHELL EAST MACKAY I-78	
EAST MACKAY	
NORTHWEST TERRITORIES	

UNIT #: 38155A 008672	
CAL[2] AFTER LOG VERIFICATION SUMMARY	
TOOL #: 2223XA 10102923	
DATE/TIME PERFORMED: Tue Jan 29 22:25:06 2013	
DAYS SINCE CAL: 11	
VALUE MULTIPLIER ADD SIZE	
ARM 2524.0 0.09961 74.20783 325.6 (mm)	
PAD 2400.0 0.06350 -113.28400 39.1	
ACTUAL MEASURED	
DIAMETER (arm+pad) 380.000 (mm)	
379.7 (mm)	
369.8	
390.2	