



COMPENSATED Z-DENS LOG
COMPENSATED NEUTRON LOG
GAMMA RAY LOG
CALIPER LOG

Baker Atlas

FILE NO:	COMPANY	PARAMOUNT RESOURCES LTD.
API NO:	WELL	PARAMOUNT ET AL LIARD K-29A
	FIELD	LIARD
	PROVINCE	NORTH WEST TERRITORIES
Ver. 3.87 LWI: 300K296030123503	LOCATION: LIC #: 1125	OTHER SERVICES XMAC-GR-CAL HDIL-GR-CAL EI-CBIL-GR C/L
PERMANENT DATUM	G.L.	ELEVATION 409.6 M
LOG MEASURED FROM	K.B.	5.8 M ABOVE P.D.
DRILL MEAS. FROM	KELLY BUSHING	ELEVATIONS: KB 416.4 M DF GL 409.6 M
DATE	21-Sep-2005	
RUN	TRIP	1 1
SERVICE ORDER	203168	
DEPTH DRILLER	2566.0 M	
DEPTH LOGGER	2566.0 M	
BOTTOM LOGGED INTERVAL	2541.1 M	
TOP LOGGED INTERVAL	1853.0 M	
CASING DRILLER	244.5 MM	1853-59 M
CASING LOGGER	1853-60 M	
BIT SIZE	216.0 MM	
TYPE OF FLUID IN HOLE	INVERT	
DENSITY	1245.0 G/L	65.0 S
PH	N/A	N/A
SOURCE OF SAMPLE	FLOWLINE	
RM AT MEAS. TEMP.	N/A	3
RM AT MEAS. TEMP.	N/A	3
RM AT MEAS. TEMP.	N/A	3
SOURCE OF RMF	RMC	MEASURED
RM AT BHT	N/A	3
TIME SINCE CIRCULATION	6.25 HRS	
MAX. RECORDED TEMP.	113.9 DEGC	
EQUIP. NO.	HL 6558	G. PRAIRIE
RECORDED BY	TIM FISHER	
WITNESSED BY	KEN GLOVER	

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: TIME STOPPED CIRCULATING: 19:00, 22-SEP-2005
MAXIMUM DEVIATION: 52.4 DEGREES AT 2566.0 M

CNC AND PORZ PRESENTED ON LIMESTONE AND DOLOMITE MATRIX

CUT WINDOW IN CASING FROM 1853.0 - 1859.0 M
TIED INTO SCHLUMBERGER INDUCTION LOG RECORDED 14-MAR-1999 AT A DEPTH OF 1800-1850 M
DID REPEAT BELOW CASING SHOE TO HELP KEEP TOOLS FROM GETTING TO HOT
REMOVED 10 IN INDUCTION CURVE BECAUSE SOMEWHAT ERRATIC
SHUT CALIPER AT 1874.6 M TO GET THROUGH TIGHT SPOT
STOPPING TOOLS TO SHUT CALIPER CREATED A HOT SPOT ON THE GAMMA RAY LOG AT 1900 M
ZDL AFTER LOG VERIFICATIONS OUT OF TOLERANCE BECAUSE LONG SPACE WINDOW DAMAGED WHILE LOGGING

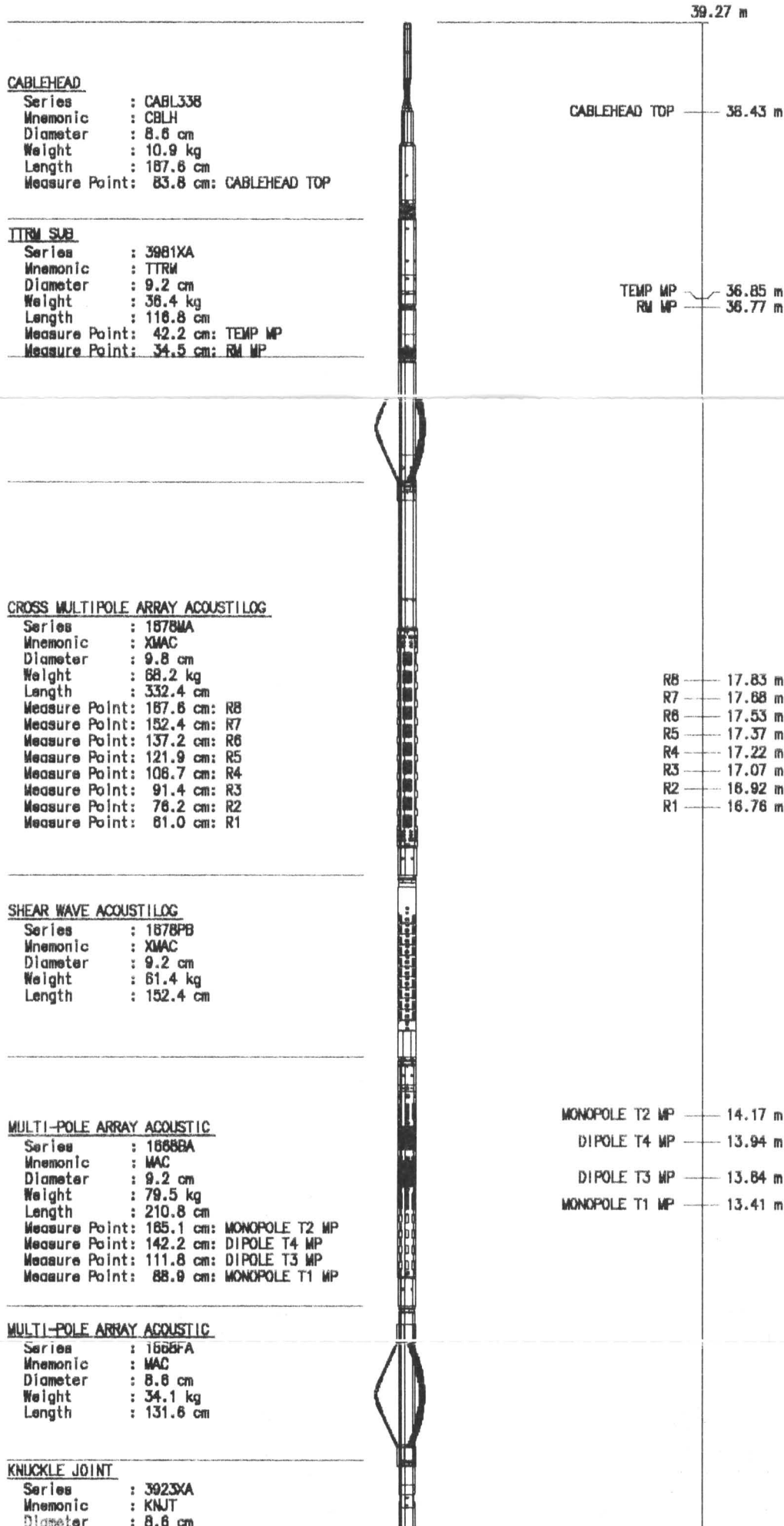
CREW: N. MCDERMID, L. KAUPP
RIG: AKITA 5B

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	TTRM	3981XA	10046849	FREE
1	1	COM REMOT	3514XB	153396	FREE
1	1	KNJT	3923XA		KNUCKLE JOINT
1	1	SN	2446XA	155844	DECENTRALIZED
1	1	ZDL	2228FA/2228MA	185952/120009	PAD DEVICE
1	1	ORIENT	4401XB	10118896	FREE
1	1	DAL ELEC	1667EA	166548	FREE
1	1	XMAC	1678MA	188711	CENTRALIZED
1	1	XMAC	1668PA	121635	CENTRALIZED
1	1	XMAC	1668BA	153828	CENTRALIZED
1	1	XMAC	1668FA	121039	CENTRALIZED
1	1	CENT	4341XA	369755	CENTRALIZER
1	1	HDIL	1515FA/1515MA	179449/167570	38 MM STANDOFF
1	1	DGR	1329XA	153174	FREE

INSTRUMENT CONFIGURATION

Source File: /data/pass/paramount_k-29a/zdl-tdg



HIGH DEFINITION INDUCTION TOOL

Series : 1315XA
Mnemonic : HDIL
Diameter : 9.2 cm
Weight : 200.5 kg
Length : 827.0 cm
Measure Point: 423.9 cm: SP MP
Measure Point: 226.8 cm: XMTR MP

SP MP 6.47 m

XMTR MP 4.50 m

DIGITAL SPECTRALOG

Series : 1329XA
Mnemonic : DSL
Diameter : 9.2 cm
Weight : 84.5 kg
Length : 222.8 cm
Measure Point: 48.8 cm: GR MP

GR MP 0.49 m

0.00 m

BULL PLUG 3 1/8

TOTAL LENGTH: 39.34 m
TOTAL WEIGHT: 1099.5 kg
MAX DIAMETER: 12.4 cm

MAIN LOG - UPPER PRESENTATION

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

Perpl /main/59

Cplot 7.13
Pdf_Cpp /main/16

Thu Sep 22 03:43:19 2005
Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

File: /data/pass/paramount_k-29a/187dvx02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1836.134 m BOTTOM DEPTH: 2576.131 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
CHT	FILTER ()	medium (1)		"	"
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	177.800	mm	TOP	BOTTOM
BIT SIZE	BIT SIZE	216.000	mm	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		"	"
ZDL	ZDL TRACKING	ON		"	"

CURVE DESCRIPTION REPORT

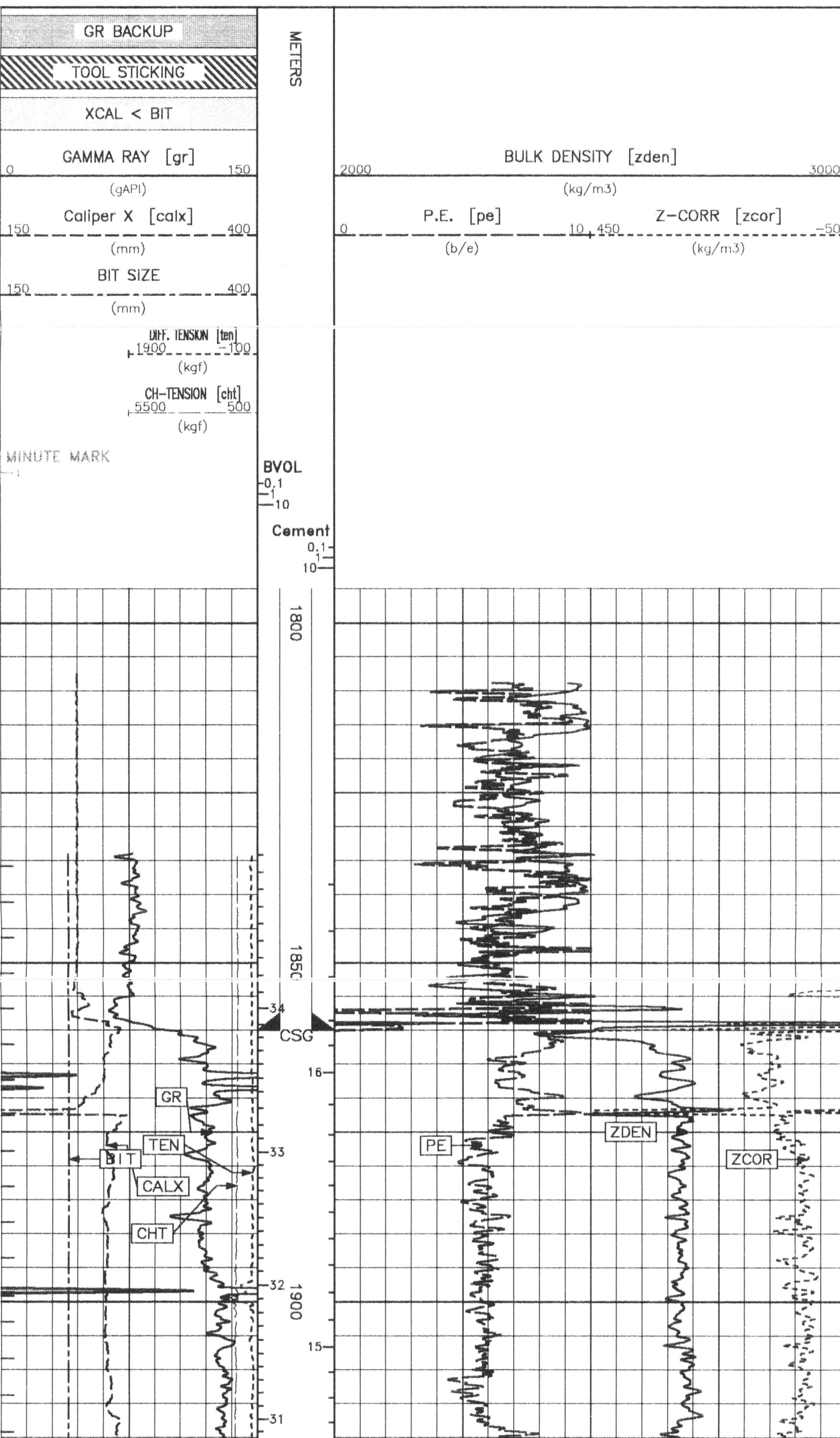
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Sep 22 01:08:49 2005	BIT SIZE
F1:BVOL	BVOL	Sep 22 01:08:49 2005	BOREHOLE VOLUME
F1:CALX	CALX	Sep 22 01:08:49 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Sep 22 01:08:49 2005	CABLE HEAD TENSION
F1:CVOL	CVOL	Sep 22 01:08:49 2005	CEMENT VOLUME
F1:GR	GR	Sep 22 01:08:49 2005	GAMMA RAY
F1:MMRK	MMRK	Sep 22 01:08:49 2005	MINUTE MARK
F1:PE	PE	Sep 22 01:08:49 2005	PHOTO ELECTRIC CROSS-SECTION
F1:TEN	TEN	Sep 22 01:08:49 2005	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Sep 22 01:08:49 2005	DENSITY CORRECTION
F1:ZDEN	ZDEN	Sep 22 01:08:49 2005	FORMATION BULK DENSITY

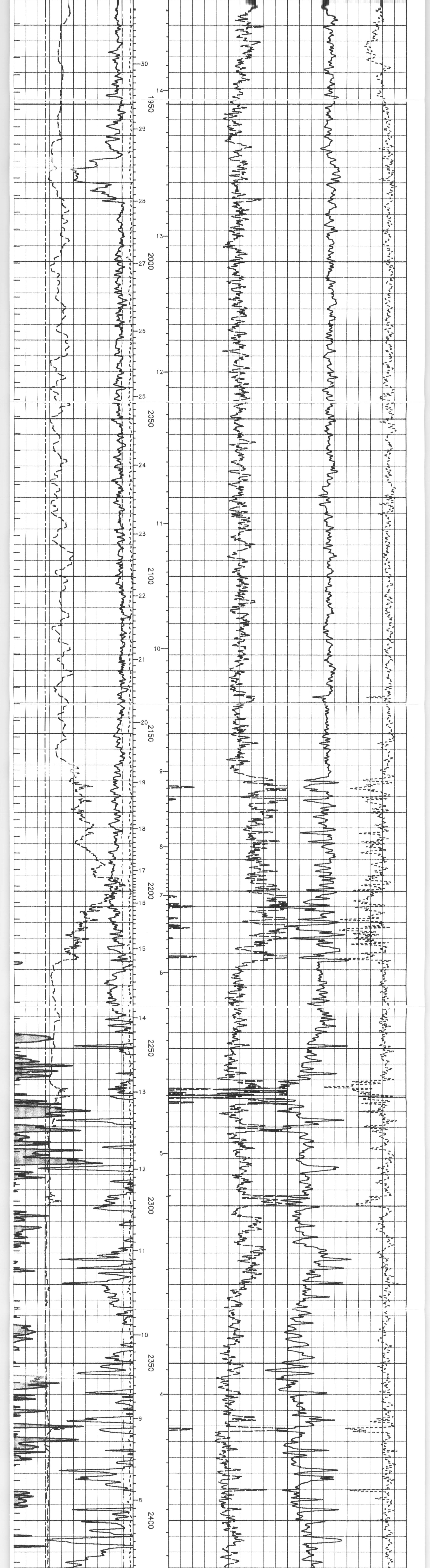
CURVE MEASURE POINT OFFSET

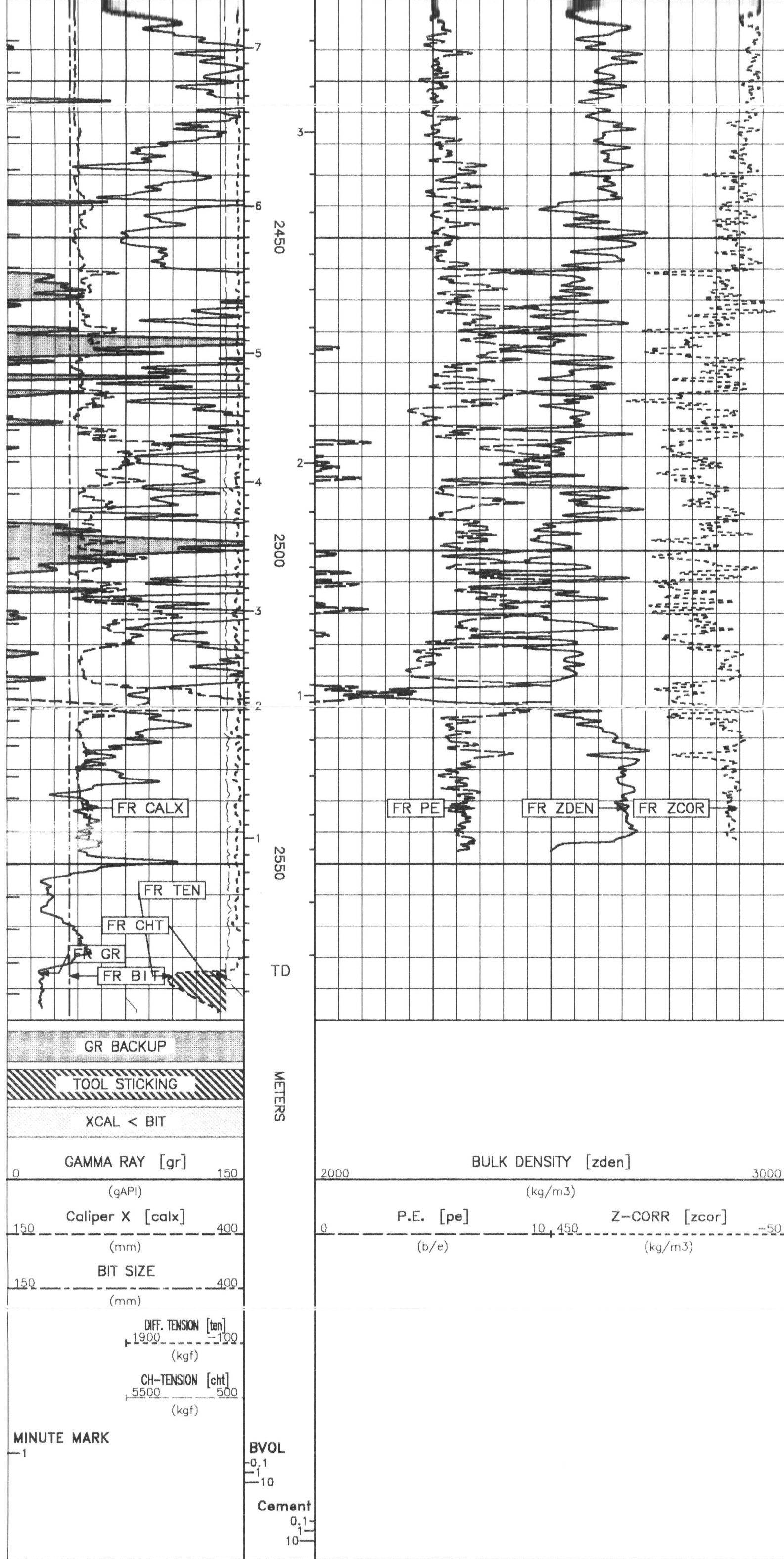
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CHT	0.00	PE	26.82	ZCOR	26.82
CALX	26.82	GR	0.46	TEN	0.00	ZDEN	26.82

Presentation : cpu1:/data/pass/paramount_k-29a/zd_up.pdf [1:600 Scale]
Plot Interval : 1797.48 - 2574.19 Meters

Data File 1 : F1 : cpu1:/data/pass/paramount_k-29a/187dvx02.tif
Created On : Sep 22 01:08:49 2005
Company : PARAMOUNT RESOURCES LTD.
Well : PARAMOUNT ET AL LIARD k-29A
Field : LIARD
File Interval : 1797.41 - 2574.34 Meters
Oct : 187dvx







MAIN LOG - LIMESTONE MATRIX

ECLIPS 5.0i Dec 17, 2003
Updates: 1,2,3,32

Pcrplt /main/59

Cplot 7.13
Pdf_Cpp /main/16

Thu Sep 22 03:42:11 2005
Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

File: /data/pass/paramount_k-29a/187dvx02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1836.134 m BOTTOM DEPTH: 2576.131 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X AXIS CALIPER	FILTER ()	light (Z)		TOP	BOTTOM
CHT	FILTER ()	medium (1)		"	"
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	177.800	mm	TOP	BOTTOM
	CASING THICKNESS	0.000	mm	"	"
BIT SIZE	BIT SIZE	218.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	218.000	mm	"	"

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	200.025	mm	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (lme)	2.710	g/cm3	"	"
ZDL	ZDL TRACKING	ON		"	"

CURVE DESCRIPTION REPORT

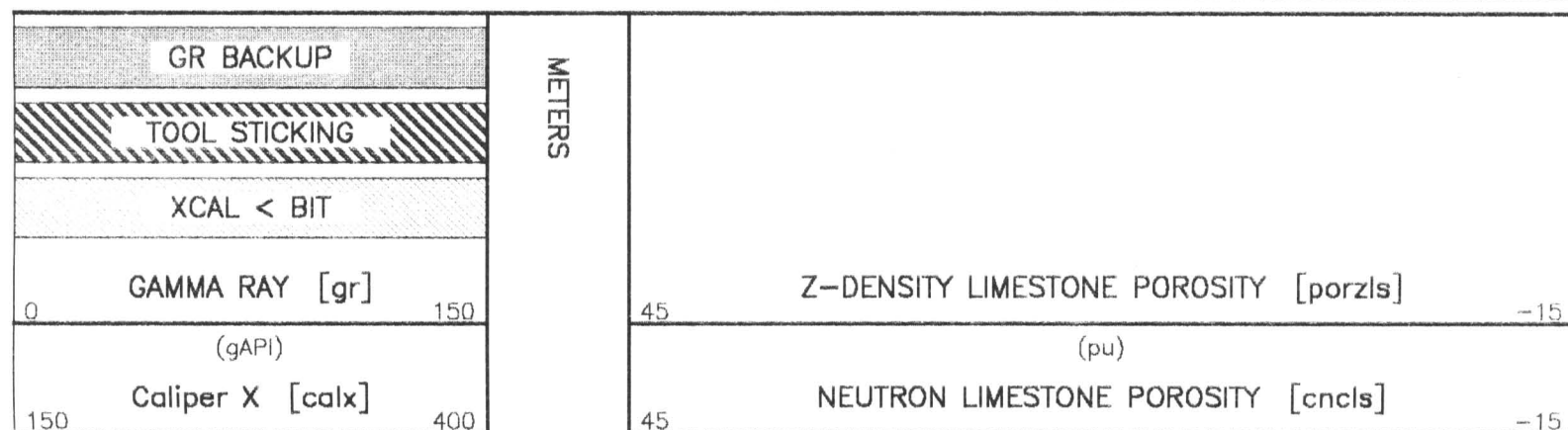
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Sep 22 01:08:49 2005	BIT SIZE
F1:BVOL	BVOL	Sep 22 01:08:49 2005	BOREHOLE VOLUME
F1:CALX	CALX	Sep 22 01:08:49 2005	CALIPER FROM X-AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Sep 22 01:08:49 2005	CABLE HEAD TENSION
F1:CNCLS	CNCLS	Sep 22 01:08:49 2005	BH SIZE CORR. LIMESTONE COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Sep 22 01:08:49 2005	CEMENT VOLUME
F1:GR	GR	Sep 22 01:08:49 2005	GAMMA RAY
F1:MMRK	MMRK	Sep 22 01:08:49 2005	MINUTE MARK
F1:PE	PE	Sep 22 01:08:49 2005	PHOTO ELECTRIC CROSS-SECTION
F1:PORZLS	PORZLS	Sep 22 01:08:49 2005	POROSITY FOR LIMESTONE MATRIX
F1:TEN	TEN	Sep 22 01:08:49 2005	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Sep 22 01:08:49 2005	DENSITY CORRECTION

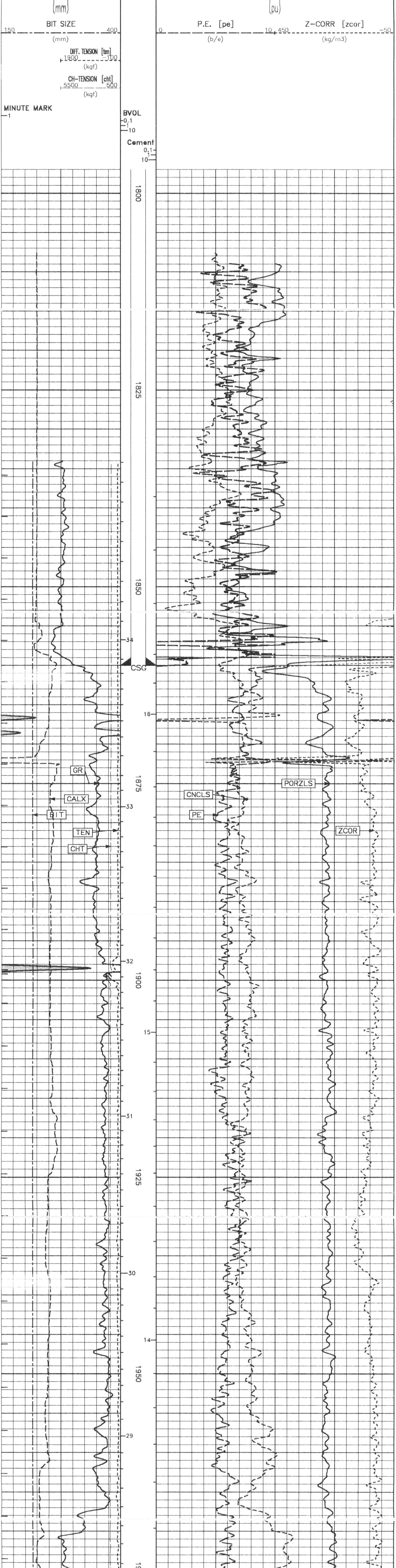
CURVE MEASURE POINT OFFSET

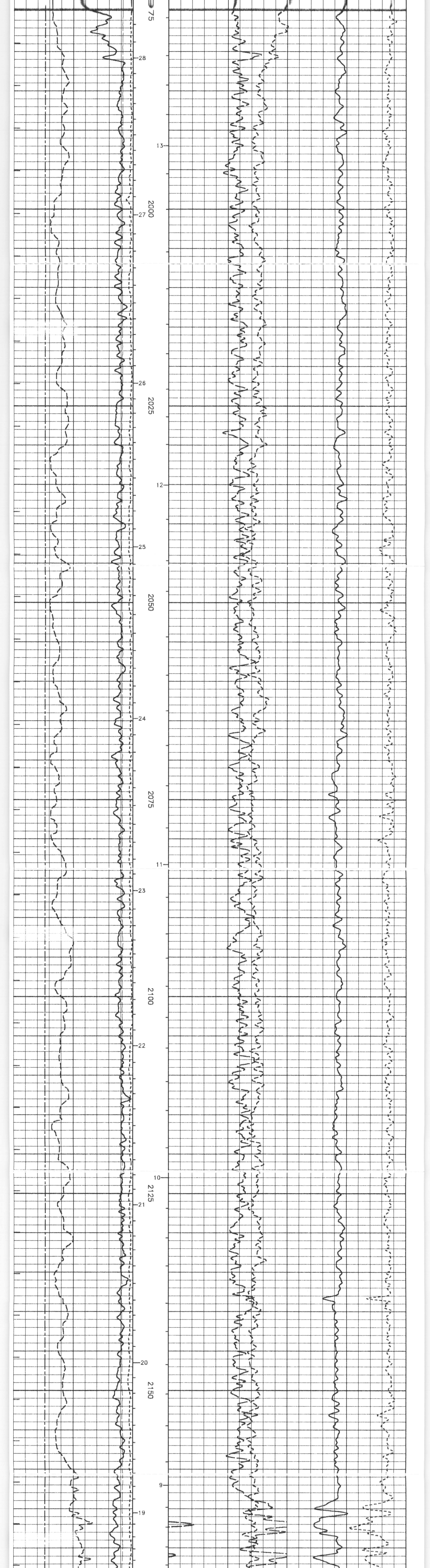
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCLS	32.19	PORZLS	26.82		
CALX	26.82	GR	0.46	TEN	0.00		
CHT	0.00	PE	26.82	ZCOR	26.82		

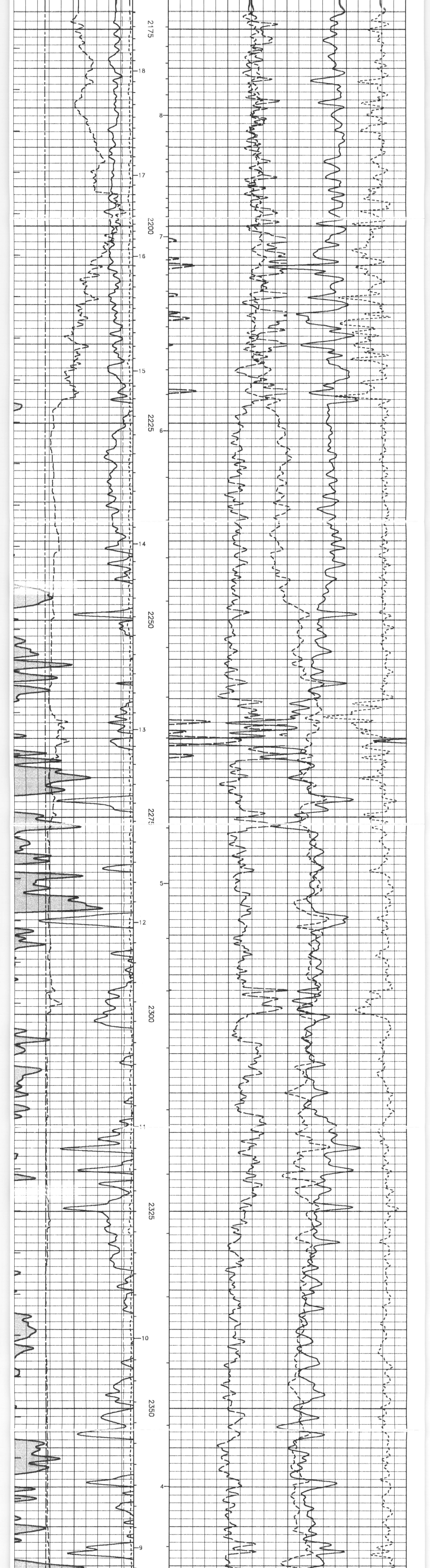
Presentation : cpu1:/data/pass/paramount_k-29a/zdl_main.js.pdf [1:240 Scale]
Plot Interval : 1797.48 - 2574.19 Meters

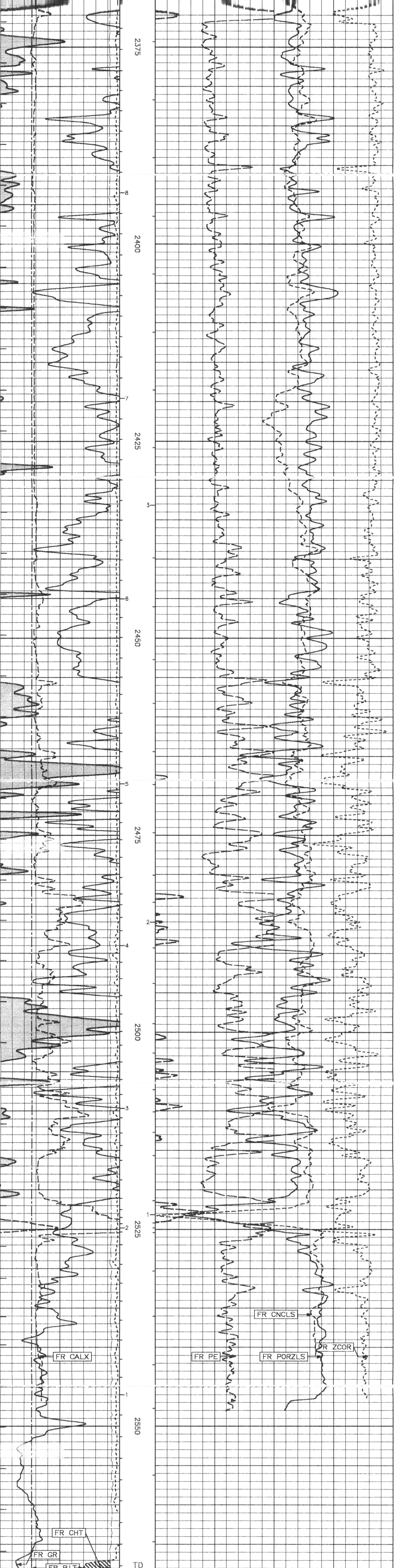
Data File 1 : F1 : cpu1:/data/pass/paramount_k-29a/187dvx02.xtf
Created On : Sep 22 01:08:49 2005
Company : PARAMOUNT RESOURCES LTD.
Well : PARAMOUNT ET AL LIARD k-29A
Field : LIARD
File Interval : 1797.41 - 2574.34 Meters
Oct : 187dvx

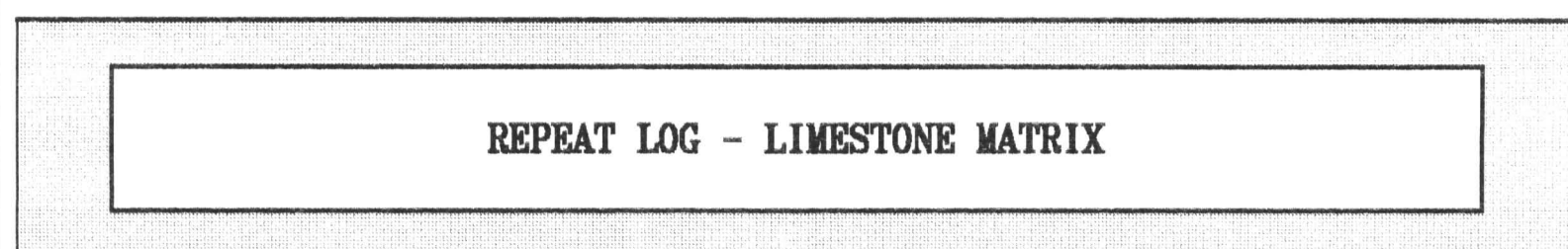




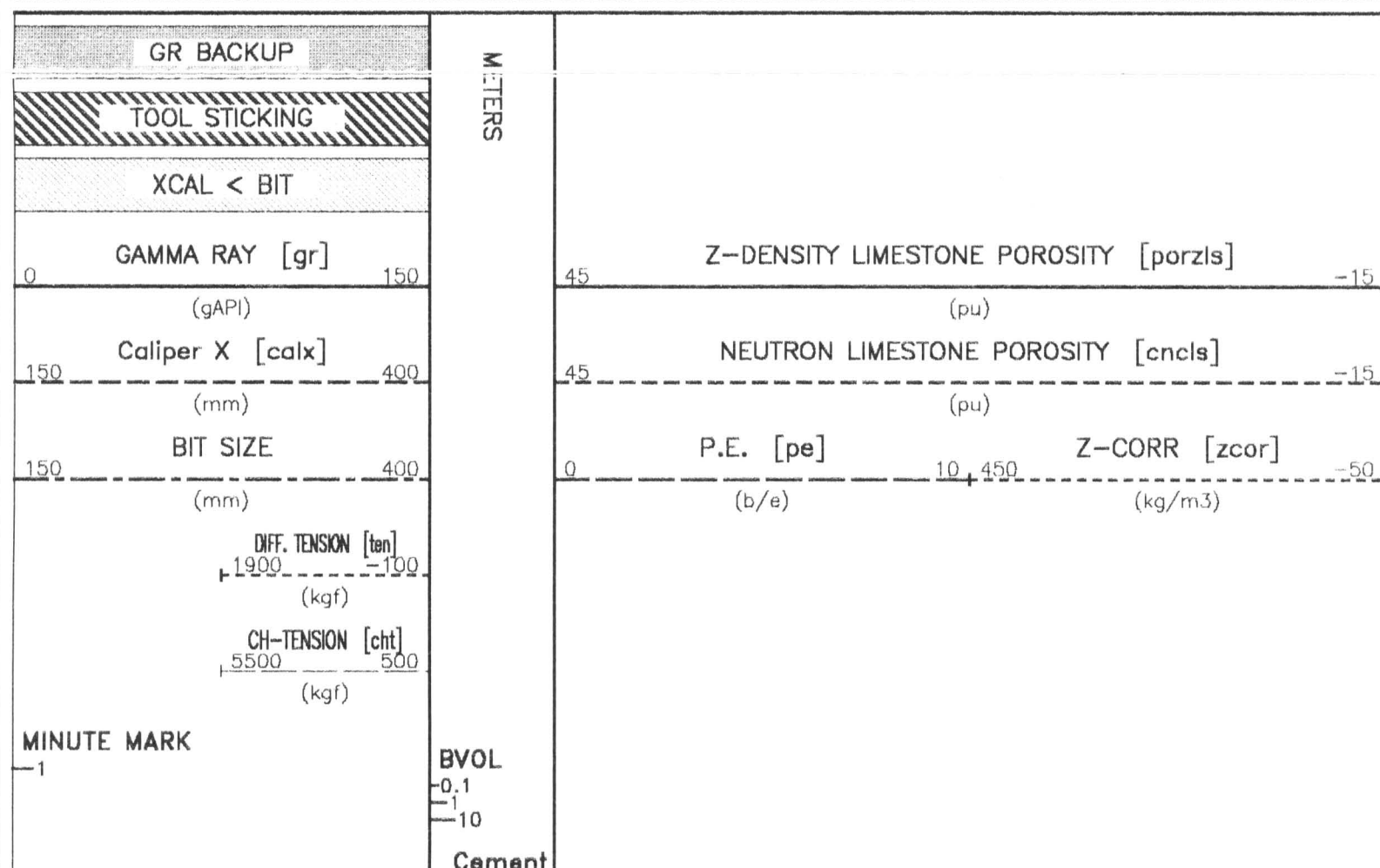








Thu Sep 22 04:13:33 2005
Fileview 4.67



0.1
10

1825

1850

CSG

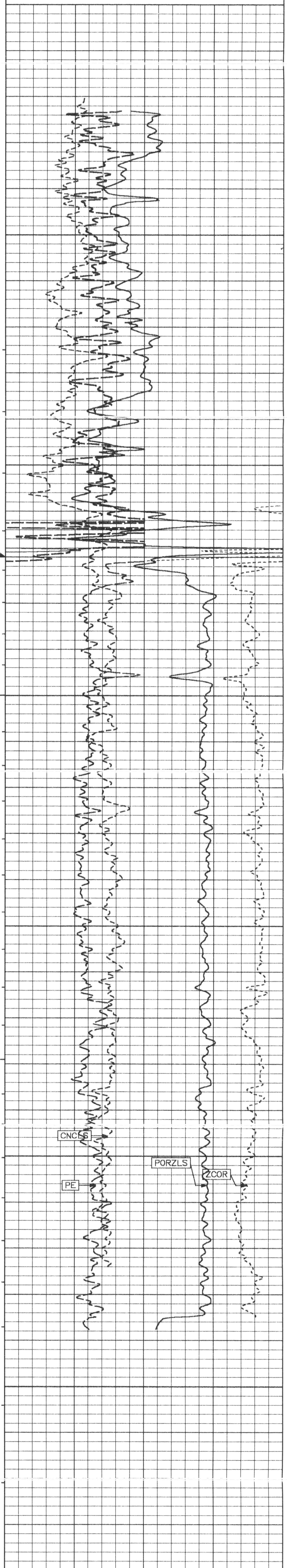
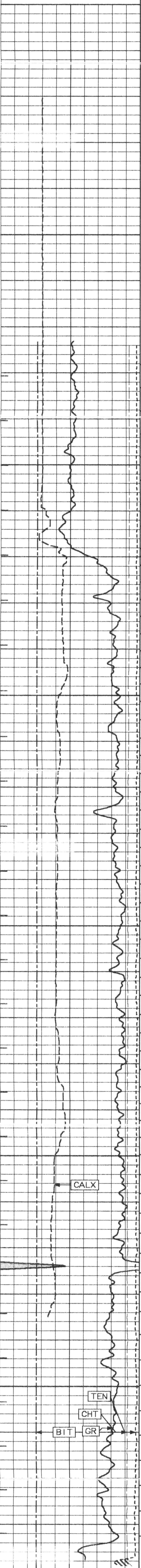
1875

1900

1925

1950

METERS



(kgf)

MINUTE MARK	BVOL
1	0.1
	1
	10
	Cement
	0.1
	1
	10

HIGH RESOLUTION LOG - LIMESTONE MATRIX
2100 - 2000 M

ECLIPS 5.01 Dec 17, 2003 Cplot 7.13 Thu Sep 22 04:01:04 2005
Updates: 1,2,3,32 Pcrplt /main/59 Pdf_Cpp /main/16 Fileview 4.67

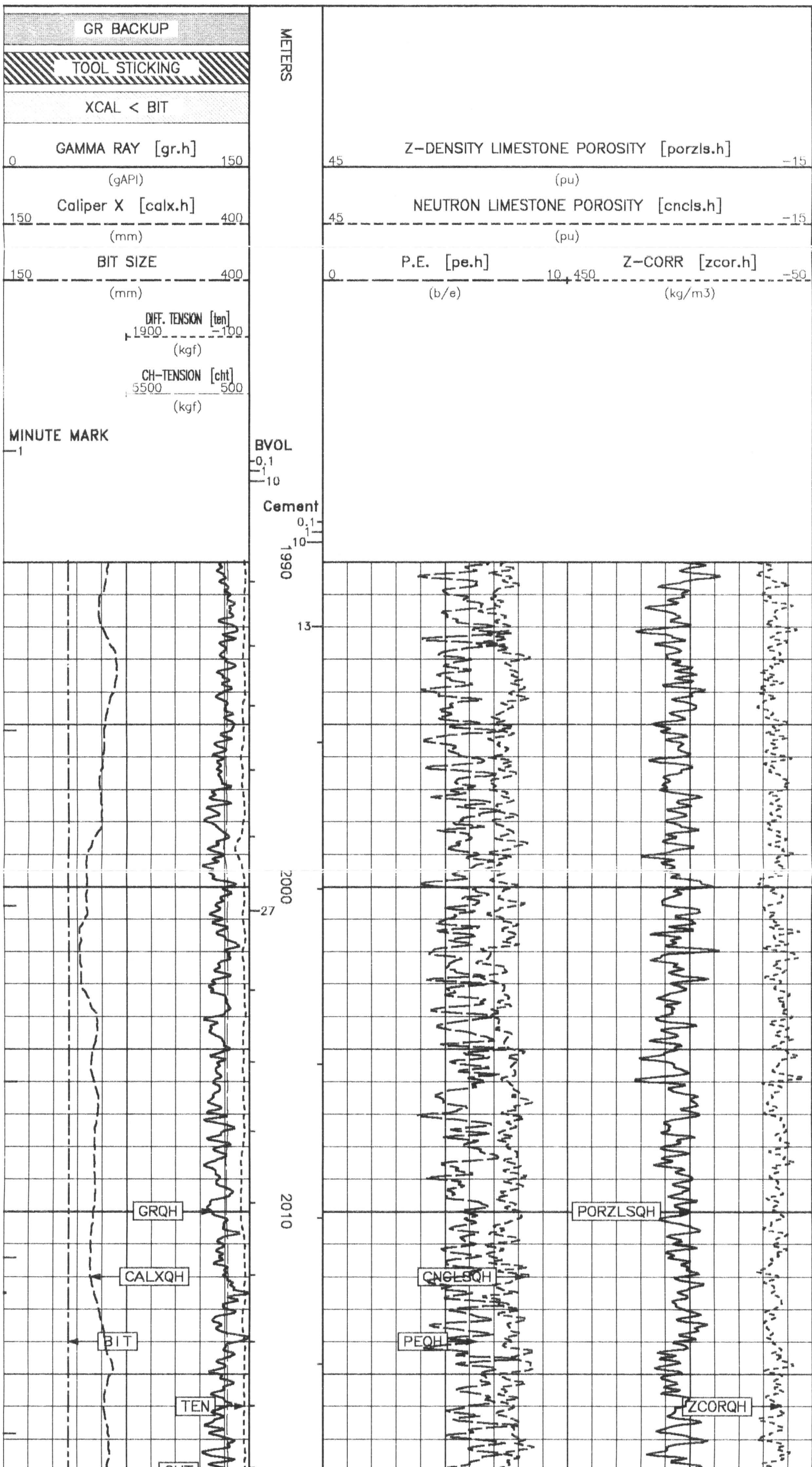
PARAMETER AND FILTER SUMMARY REPORT					
File: /data/pass/paramount_k-29a/187dvx02.prm					
LOGGING MODE: DEPTH DIRECTION: UP					
TOP DEPTH: 1836.134 m BOTTOM DEPTH: 2576.131 m					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
	FILTER (.h)	light (2)		"	"
CHT	FILTER ()	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
SPEED	FILTER ()	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
TENSION	FILTER ()	light (2)		"	"
	FILTER (.h)	light (2)		"	"
GR	FILTER ()	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
SL-II	FILTER ()	light (2)		"	"
	FILTER (.h)	light (2)		"	"
CN	FILTER ()	light (2)		"	"
	FILTER (.h)	light (2)		"	"
ZDL	FILTER (.h)	light (2)		"	"
BOREHOLE & CEMENT					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	177.800	mm	TOP	BOTTOM
	CASING THICKNESS	0.000	mm	"	"
BIT SIZE	BIT SIZE	216.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
	FIXED DIAMETER (cnbh*)	216.000	mm	"	"
SLII PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
E MATRIX	OPEN/CASED HOLE	OPEN HOLE		TOP	BOTTOM
SLII AUTO GAIN	AUTO GAIN	AUTO GAIN ON		"	"
SLII ENERGY RANGE	ENERGY RANGE	.15-3.0 MeV		"	"
CN PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	200.025	mm	"	"
ZDL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM (.h)	OFF		TOP	BOTTOM
	PE CHISM (.h)	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (lime)	2.710	g/cm3	"	"

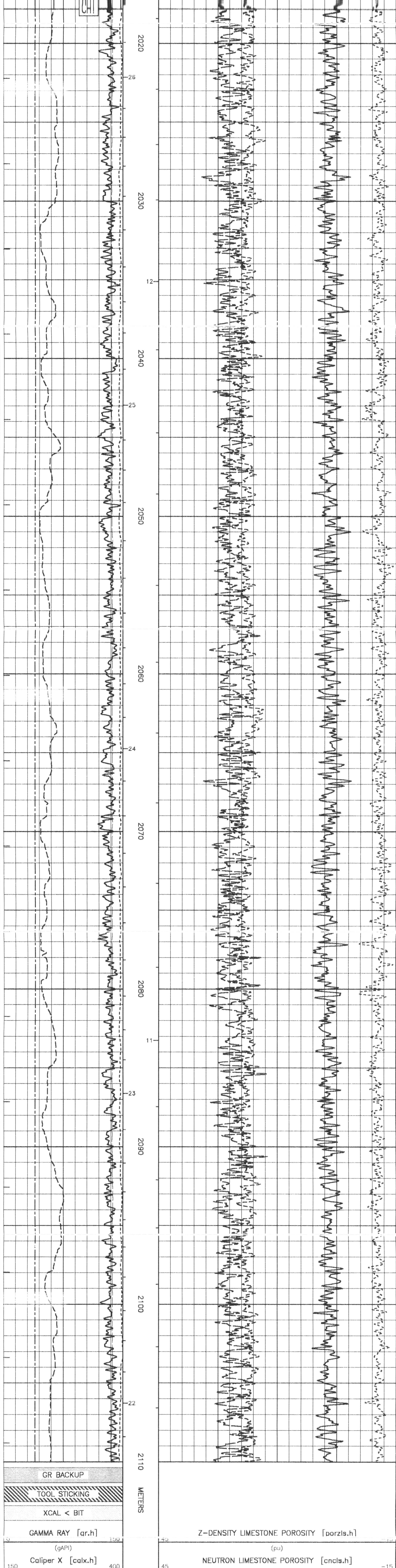
CURVE DESCRIPTION REPORT				
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION	
F1:BIT	BIT	Sep 22 01:08:49 2005	BIT SIZE	
F1:BVOL	BVOL	Sep 22 01:08:49 2005	BOREHOLE VOLUME	
F1:CALXQH	CALX.H	Sep 22 01:08:49 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)	
F1:CHT	CHT	Sep 22 01:08:49 2005	CABLE HEAD TENSION	
F1:CNCLSQH	CNCLS.H	Sep 22 01:08:49 2005	BH SIZE CORR. LIMESTONE COMPENSATED NEUTRON POROSITY	
F1:CVOL	CVOL	Sep 22 01:08:49 2005	CEMENT VOLUME	
F1:GRQH	GR.H	Sep 22 01:08:49 2005	GAMMA RAY	
F1:MMRK	MMRK	Sep 22 01:08:49 2005	MINUTE MARK	
F1:PEQH	PE.H	Sep 22 01:08:49 2005	PHOTO ELECTRIC CROSS-SECTION	
F1:PORZLSQH	PORZLS.H	Sep 22 01:08:49 2005	POROSITY FOR LIMESTONE MATRIX	
F1:TEN	TEN	Sep 22 01:08:49 2005	DIFFERENTIAL TENSION	
F1:ZCORQH	ZCOR.H	Sep 22 01:08:49 2005	DENSITY CORRECTION	

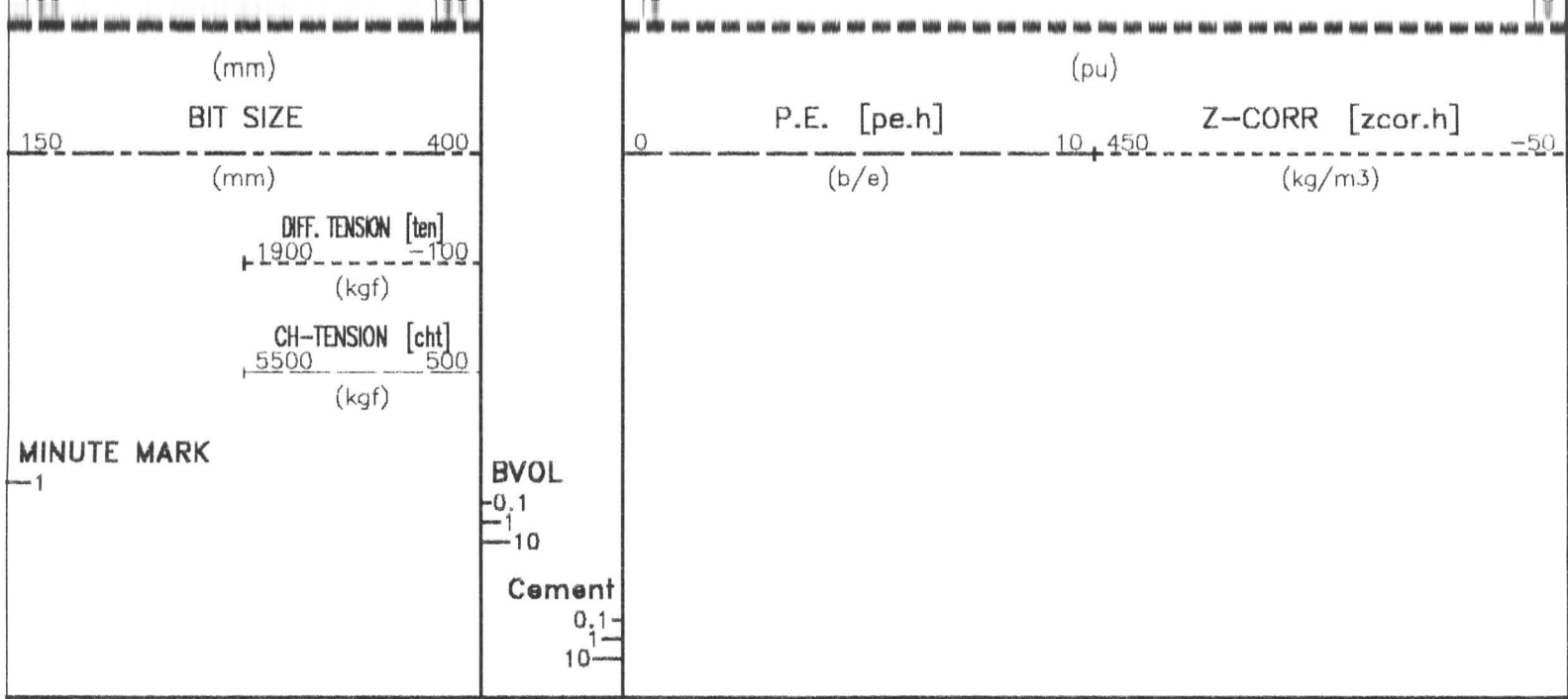
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCLSQH	32.19	PORZLSQH	26.82		
CALXQH	26.82	GRQH	0.50	TEN	0.00		
CHT	0.00	PEQH	26.82	ZCORQH	26.82		

Presentation : cpu1:/data/pass/paramount_k-29a/zdl_hires_ls3.pdf [1:120 Scale]
Plot Interval : 1990 - 2110 Meters

Data File 1 : F1 : cpu1:/data/pass/paramount_k-29a/187dvx02.xtf
Created On : Sep 22 01:08:49 2005
Company : PARAMOUNT RESOURCES LTD.
Well : PARAMOUNT ET AL LIARD k-29A
Field : LIARD
File Interval : 1797.41 - 2574.34 Meters
Oct : 187dvx







HIGH RESOLUTION LOG - LIMESTONE MATRIX
2200 - 2150 M

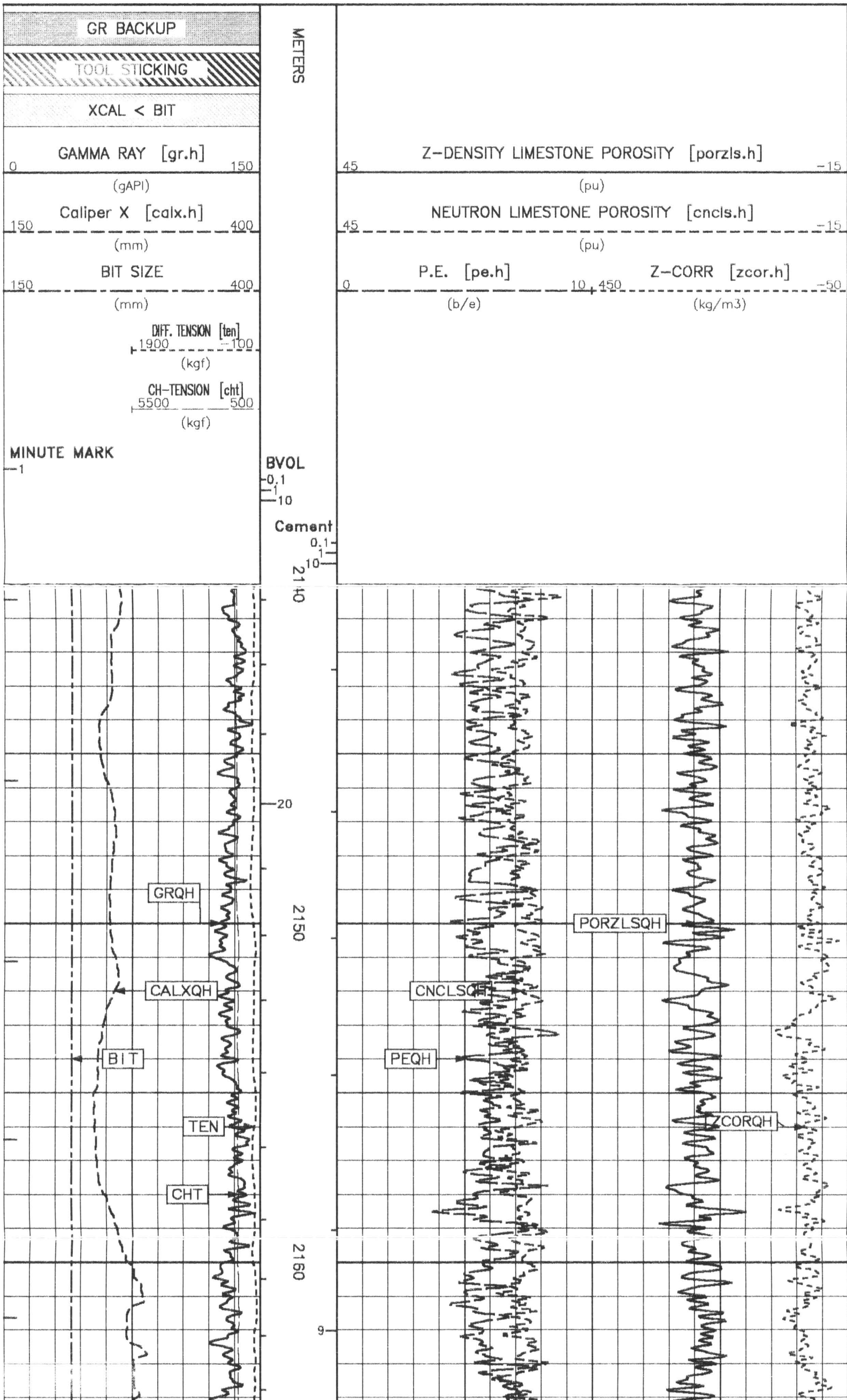
ECIPS 5.0i Dec 17, 2003 Updates: 1,2,3,32 Perplt /main/59 Cplot 7.13 Pdf_Cpp /main/16 Thu Sep 22 03:59:49 2005 Fileview 4.67

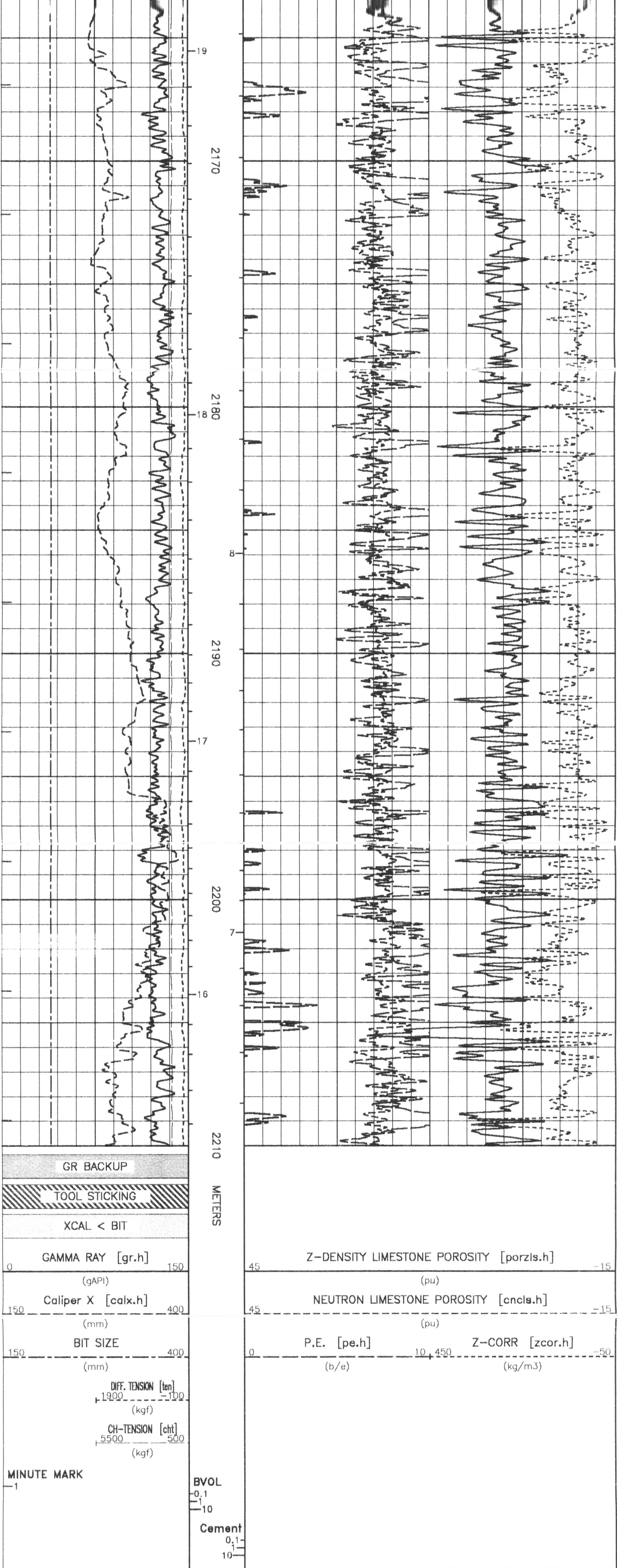
PARAMETER AND FILTER SUMMARY REPORT					
File: /data/pass/paramount_k-29a/187dvx02.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: 1836.134 m BOTTOM DEPTH: 2576.131 m					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
	FILTER (.h)	light (2)		"	"
CHT	FILTER ()	medium (1)		"	"
SPEED	FILTER (.h)	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER (.h)	light (2)		"	"
SL-II	FILTER	medium (1)		"	"
CN	FILTER (.h)	light (2)		"	"
ZDL	FILTER (.h)	light (2)		"	"
BOREHOLE & CEMENT					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	177.800	mm	TOP	BOTTOM
	CASING THICKNESS	0.000	mm	"	"
BIT SIZE	BIT SIZE	216.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	216.000	mm	"	"
SLII PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
E MATRIX	OPEN/CASED HOLE	OPEN HOLE		TOP	BOTTOM
SLII AUTOGAIN	AUTO GAIN	AUTO GAIN ON		"	"
SLII ENERGY RANGE	ENERGY RANGE	.15-3.0 MeV		"	"
CN PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	200.025	mm	"	"
ZDL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM (.h)	OFF		TOP	BOTTOM
	PE CHISM (.h)	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOfmatrix (lime)	2.710	g/cm3	"	"

CURVE DESCRIPTION REPORT			
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Sep 22 01:08:49 2005	BIT SIZE
F1:BVOL	BVOL	Sep 22 01:08:49 2005	BOREHOLE VOLUME
F1:CALXQH	CALX.H	Sep 22 01:08:49 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Sep 22 01:08:49 2005	CABLE HEAD TENSION
F1:CNCLSQH	CNCLS.H	Sep 22 01:08:49 2005	BH SIZE CORR. LIMESTONE COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Sep 22 01:08:49 2005	CEMENT VOLUME
F1:GRQH	GR.H	Sep 22 01:08:49 2005	GAMMA RAY
F1:MMRK	MMRK	Sep 22 01:08:49 2005	MINUTE MARK
F1:PEQH	PE.H	Sep 22 01:08:49 2005	PHOTO ELECTRIC CROSS-SECTION
F1:PORZLSQH	PORZLS.H	Sep 22 01:08:49 2005	POROSITY FOR LIMESTONE MATRIX
F1:TEN	TEN	Sep 22 01:08:49 2005	DIFFERENTIAL TENSION
F1:ZCORQH	ZCOR.H	Sep 22 01:08:49 2005	DENSITY CORRECTION

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCLSQH	32.19	PORZLSQH	26.82		
CALXQH	26.82	GRQH	0.50	TEN	0.00		
CHT	0.00	PEQH	26.82	ZCORQH	26.82		

Presentation : cpu1:/data/pass/paramount_k-29a/zdl_hires_ls2.pdf [1:120 Scale]
Plot Interval : 2140 - 2210 Meters
Data File 1 : F1 : cpu1:/data/pass/paramount_k-29a/187dvx02.xtf
Created On : Sep 22 01:08:49 2005
Company : PARAMOUNT RESOURCES LTD.
Field : LIARD
File Interval : 1797.41 - 2574.34 Meters
Oct : 187dvx





HIGH RESOLUTION LOG - LIMESTONE MATRIX
2505 - 2445 M

ECLIPS 5.01 Dec 17, 2003 Cplot 7.13 Thu Sep 22 03:59:00 2005
Updates: 1,2,3,32 Percplt /main/59 Pdf_Cpp /main/16 Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

File: /data/pss/paramount_k-2505/18/dv02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1836.134 m BOTTOM DEPTH: 2576.131 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
	FILTER (.h)	light (2)		"	"
CHT	FILTER ()	medium (1)		"	"
SPEED	FILTER (.h)	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER (.h)	light (2)		"	"
SL-II	FILTER	medium (1)		"	"
CN	FILTER (.h)	light (2)		"	"
ZDL	FILTER (.h)	light (2)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	177.800	mm	TOP	BOTTOM
	CASING THICKNESS	0.000	mm	"	"
BIT SIZE	BIT SIZE	216.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	216.000	mm	"	"

SLII PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
E MATRIX	OPEN/CASED HOLE	OPEN HOLE		TOP	BOTTOM
SLII AUTO GAIN	AUTO GAIN	AUTO GAIN ON		"	"
SLII ENERGY RANGE	ENERGY RANGE	.15-3.0 MeV		"	"

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	200.025	mm	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM (.h)	OFF		TOP	BOTTOM
	PE CHISM (.h)	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (lime)	2.710	g/cm3	"	"

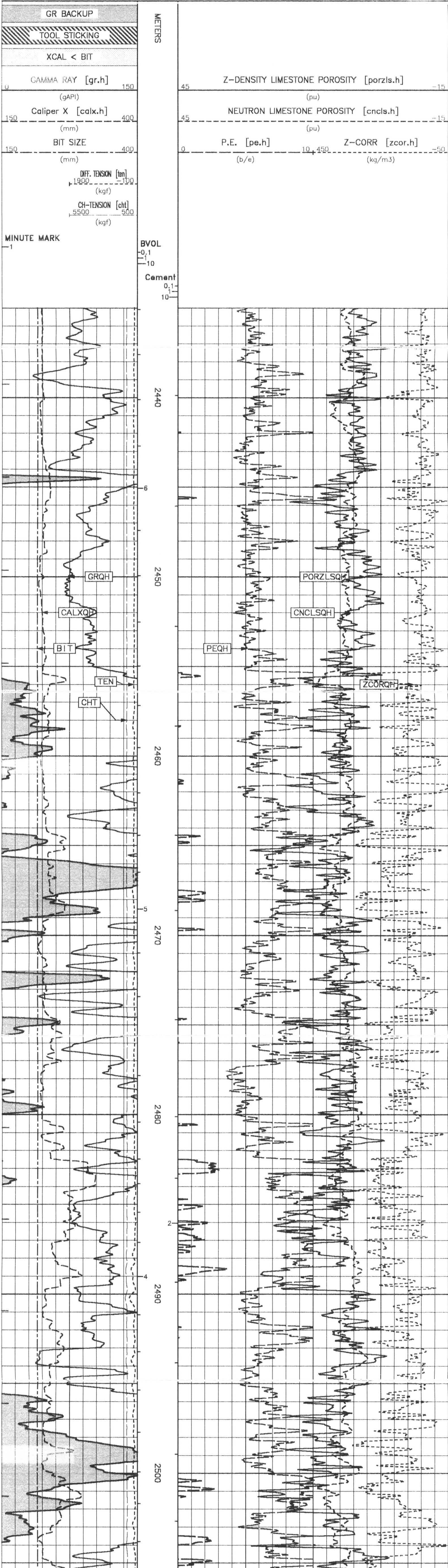
CURVE DESCRIPTION REPORT

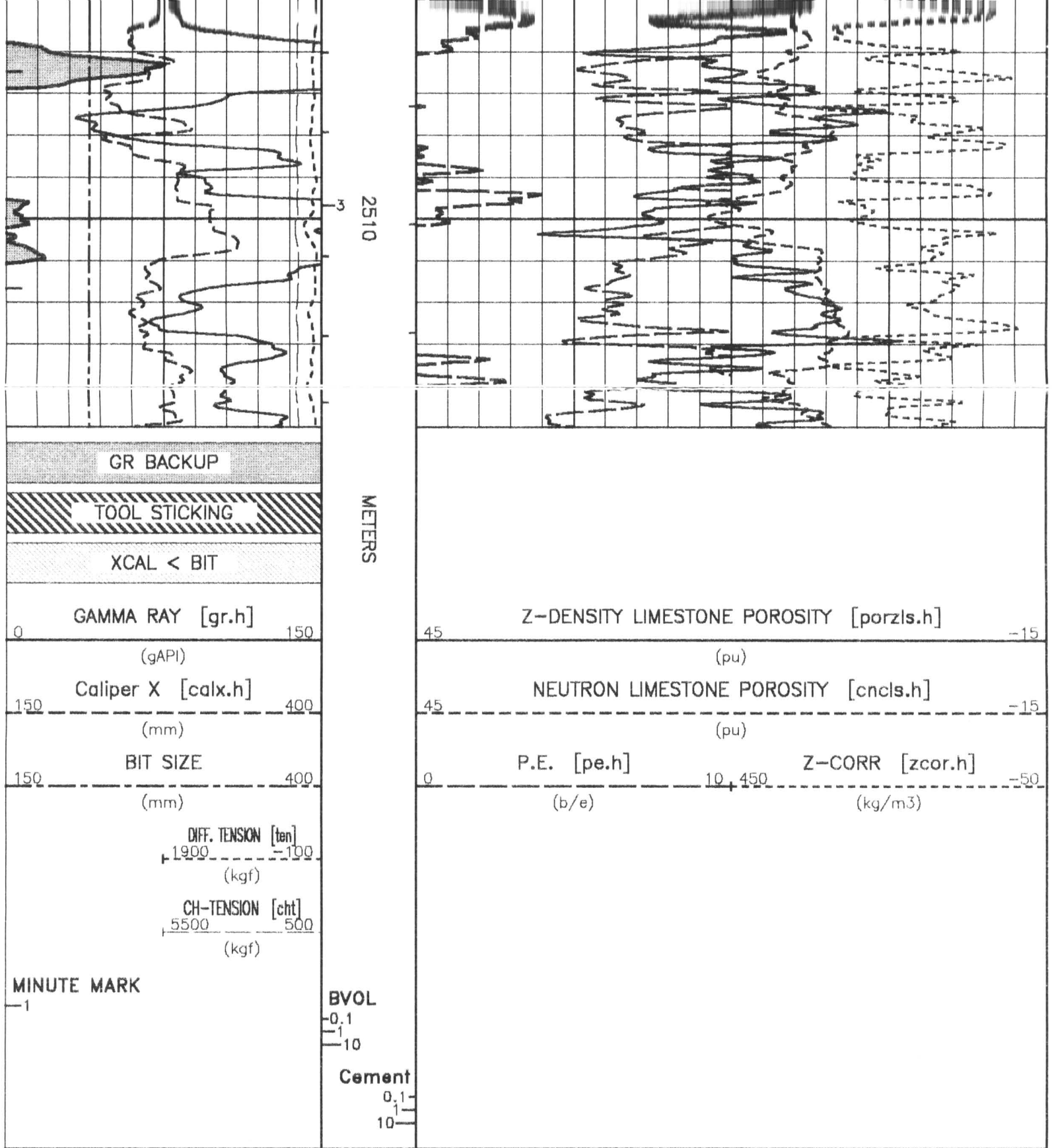
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Sep 22 01:08:49 2005	BIT SIZE
F1:BVOL	BVOL	Sep 22 01:08:49 2005	BOREHOLE VOLUME
F1:CALXQH	CALX.H	Sep 22 01:08:49 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Sep 22 01:08:49 2005	CABLE HEAD TENSION
F1:CNCLSQH	CNCLS.H	Sep 22 01:08:49 2005	BN SIZE CORR. LIMESTONE COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Sep 22 01:08:49 2005	CEMENT VOLUME

F1:GRQH	GR.H	Sep 22 01:08:49 2005	GAMMA RAY
F1:MMRK	MMRK	Sep 22 01:08:49 2005	MINUTE MARK
F1:PEQH	PE.H	Sep 22 01:08:49 2005	PHOTO ELECTRIC CROSS-SECTION
F1:PORZLSQH	PORZLS.H	Sep 22 01:08:49 2005	POROSITY FOR LIMESTONE MATRIX
F1:TEN	TEN	Sep 22 01:08:49 2005	DIFFERENTIAL TENSION
F1:ZCORQH	ZCOR.H	Sep 22 01:08:49 2005	DENSITY CORRECTION

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCLSQH	32.19	PORZLSQH	26.82		
CALXQH	26.82	GRQH	0.50	TEN	0.00		
CHT	0.00	PEQH	26.82	ZCORQH	26.82		

Presentation	: cput:/data/pass/paramount_k-29a/zdLhires.la1.pdf [1:120 Scale]
Plot Interval	: 2435 - 2515 Meters
Data File 1	: F1 : cput:/data/pass/paramount_k-29a/187dvx02.xtf
Created On	: Sep 22 01:08:49 2005
Company	: PARAMOUNT RESOURCES LTD.
Well	: PARAMOUNT ET AL LIARD k-29A
Field	: LIARD
File Interval	: 1797.41 - 2574.34 Meters
Oct	: 187dvx





MAIN LOG - DOLOMITE MATRIX

ECLIPS 5.0! Dec 17, 2003
Updates: 1,2,3,32

Perpl /main/59

Cplot 7.13
Pdf_Cpp /main/16

Thu Sep 22 03:44:21 2005
Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

File: /data/pass/paramount_k-29a/187dvx02.prm
LOGGING MODE: DEPTH
TOP DEPTH: 1836.134 m
DIRECTION: UP
BOTTOM DEPTH: 2576.131 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
CHT	FILTER ()	medium (1)		"	"
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	177.800	mm	TOP	BOTTOM
	CASING THICKNESS	0.000	mm	"	"
BIT SIZE	BIT SIZE	216.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	216.000	mm	"	"

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	200.025	mm	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (dolo)	2.860	g/cm3	"	"
ZDL	ZDL TRACKING	ON		"	"

CURVE DESCRIPTION REPORT

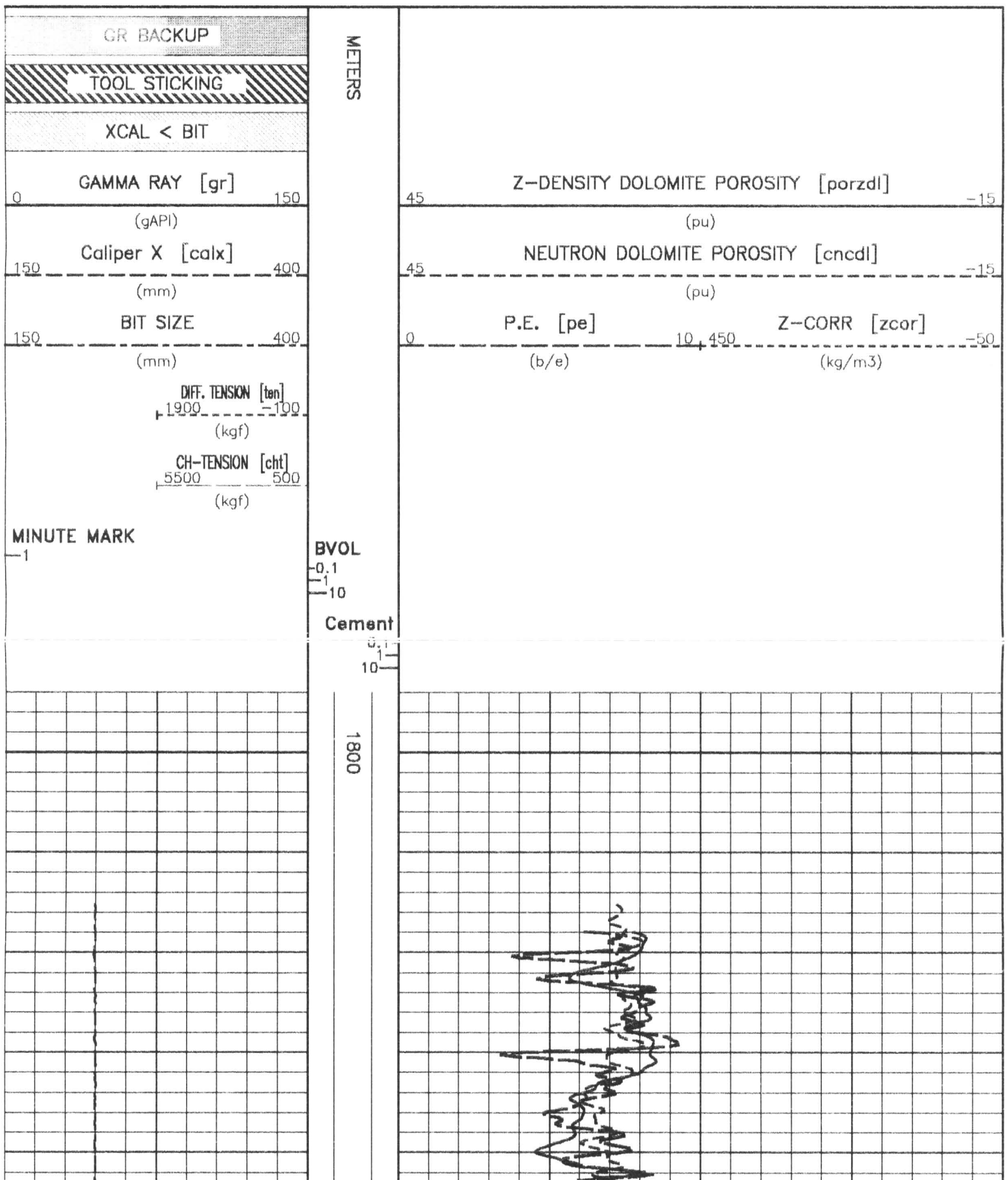
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Sep 22 01:08:49 2005	BIT SIZE
F1:BVOL	BVOL	Sep 22 01:08:49 2005	BOREHOLE VOLUME
F1:CALX	CALX	Sep 22 01:08:49 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Sep 22 01:08:49 2005	CABLE HEAD TENSION
F1:CNCDL	CNCDL	Sep 22 01:08:49 2005	BH SIZE CORR. DOLOMITE COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Sep 22 01:08:49 2005	CEMENT VOLUME
F1:GR	GR	Sep 22 01:08:49 2005	GAMMA RAY
F1:MMRK	MMRK	Sep 22 01:08:49 2005	MINUTE MARK
F1:PE	PE	Sep 22 01:08:49 2005	PHOTO ELECTRIC CROSS-SECTION
F1:PORZDL	PORZDL	Sep 22 01:08:49 2005	POROSITY FOR DOLOMITE MATRIX
F1:TEN	TEN	Sep 22 01:08:49 2005	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Sep 22 01:08:49 2005	DENSITY CORRECTION

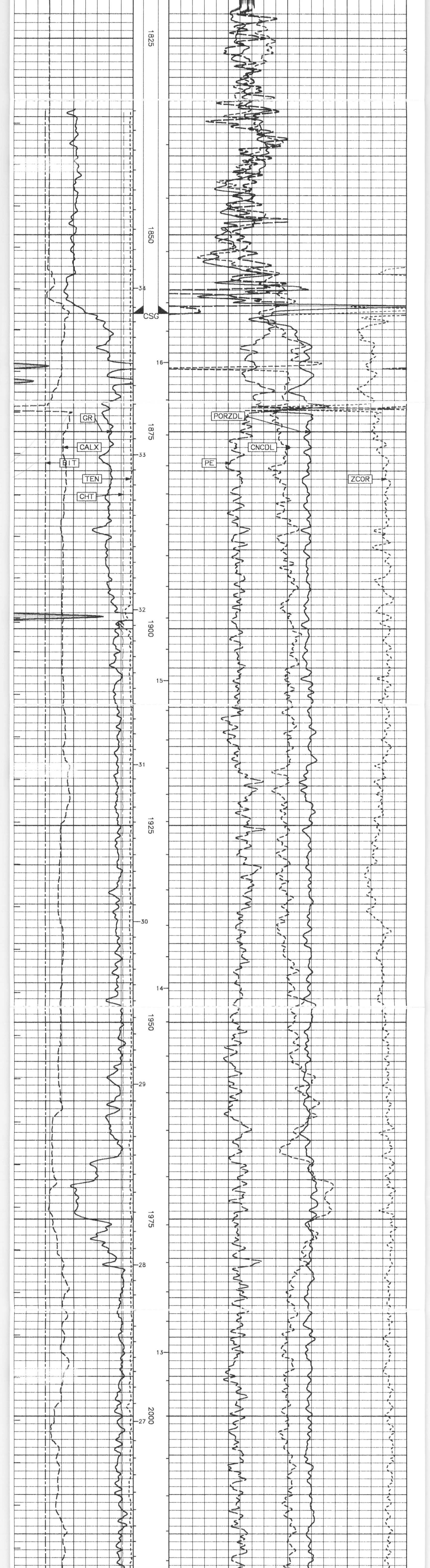
CURVE MEASURE POINT OFFSET

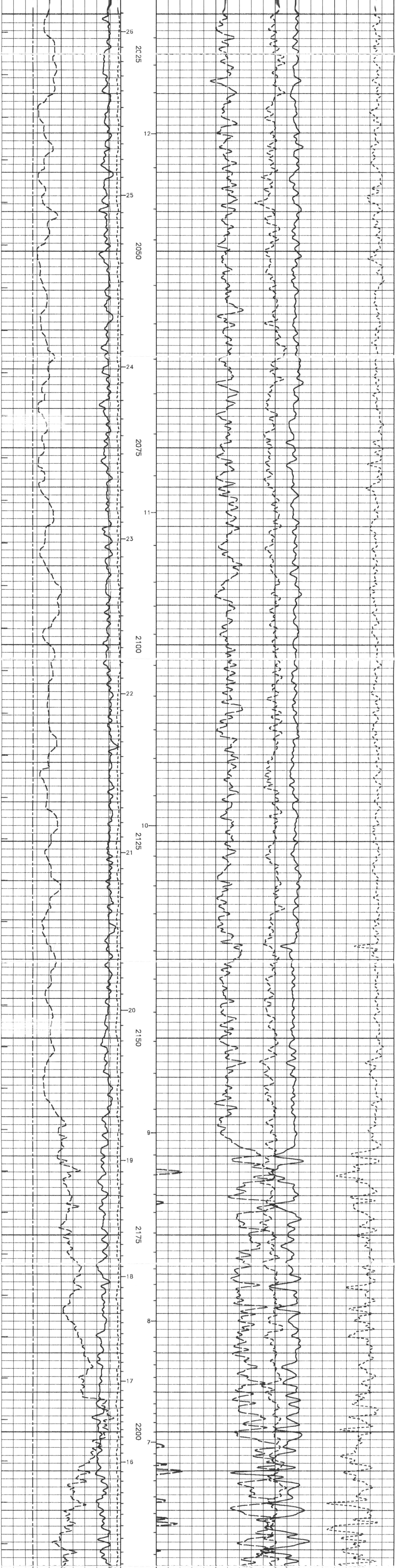
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCDL	32.19	PORZDL	26.82		
CALX	26.82	GR	0.46	TEN	0.00		
CHT	0.00	PE	26.82	ZCOR	26.82		

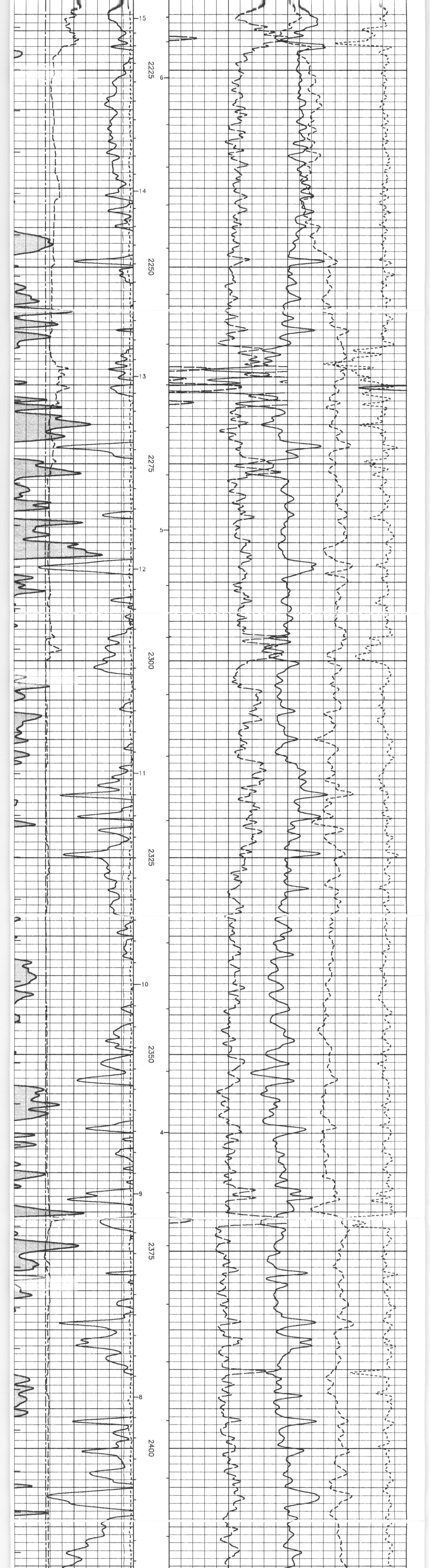
Presentation : cput:/data/pass/paramount_k-29a/zdl_main_dl.pdf [1:240 Scale]
Plot Interval : 1797.48 - 2574.19 Meters

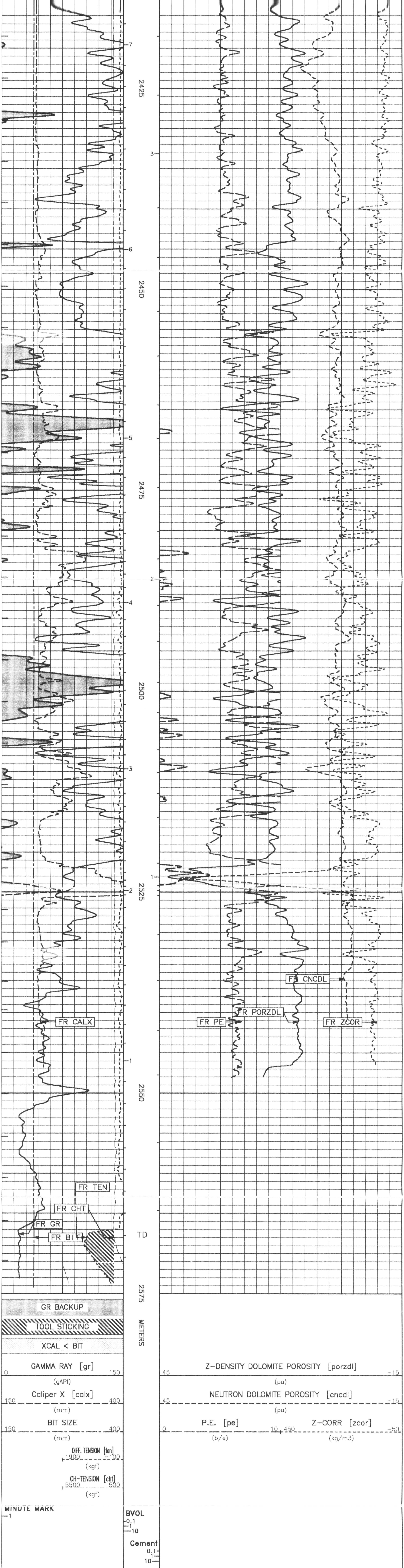
Data File : F1 : cput:/data/pass/paramount_k-29a/187dvx02.atf
Created On : Sep 22 01:08:49 2005
Company : PARAMOUNT RESOURCES LTD.
Well : PARAMOUNT ET AL LIARD k-29A
Field : LIARD
File Interval : 1797.41 - 2574.34 Meters
Oct : 187dvx











MAIN PASS - SANDSTONE MATRIX

CURVE DESCRIPTION REPORT

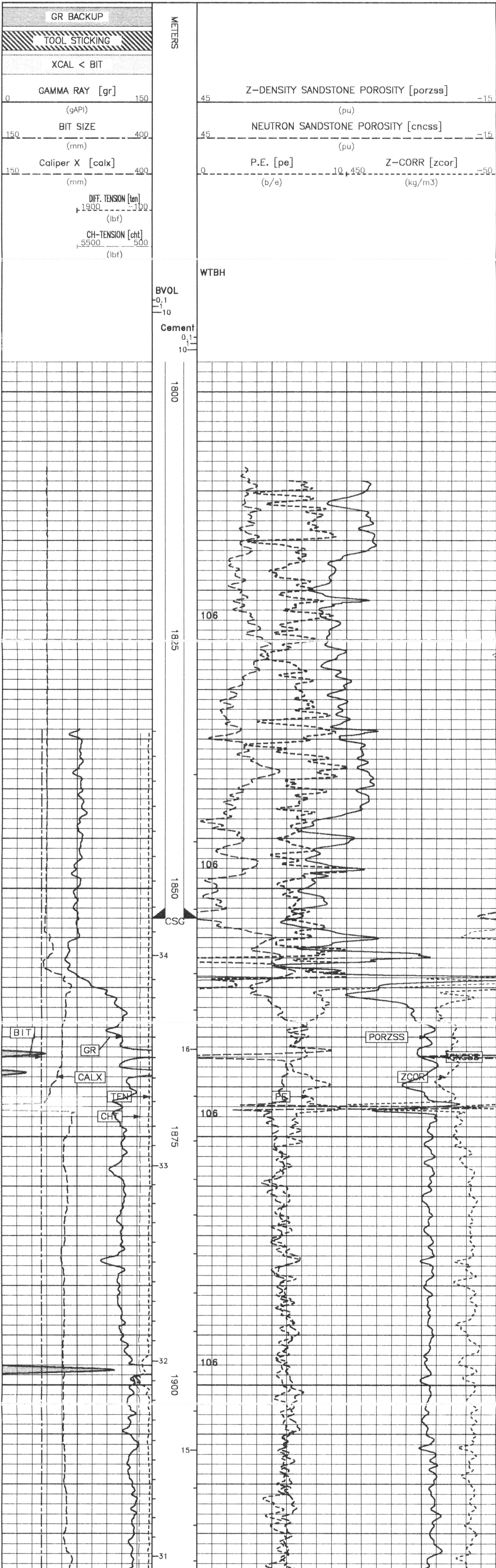
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Sep 22 01:08:49 2005	BIT SIZE
F1:BVOL	BVOL	Sep 22 01:08:49 2005	BOREHOLE VOLUME
F1:CALX	CALX	Sep 22 01:08:49 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Sep 22 01:08:49 2005	CABLE HEAD TENSION
F1:CNCSS	CNCSS	Sep 22 01:08:49 2005	BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Sep 22 01:08:49 2005	CEMENT VOLUME
F1:GR	GR	Sep 22 01:08:49 2005	GAMMA RAY
F1:PE	PE	Sep 22 01:08:49 2005	PHOTO ELECTRIC CROSS-SECTION
F1:PORZSS	PORZSS	Sep 22 01:08:49 2005	POROSITY FOR SANDSTONE MATRIX
F1:TEN	TEN	Sep 22 01:08:49 2005	DIFFERENTIAL TENSION
F1:WTBH	WTBH	Sep 22 01:08:49 2005	TEMPERATURE OF THE BOREHOLE
F1:ZCOR	ZCOR	Sep 22 01:08:49 2005	DENSITY CORRECTION

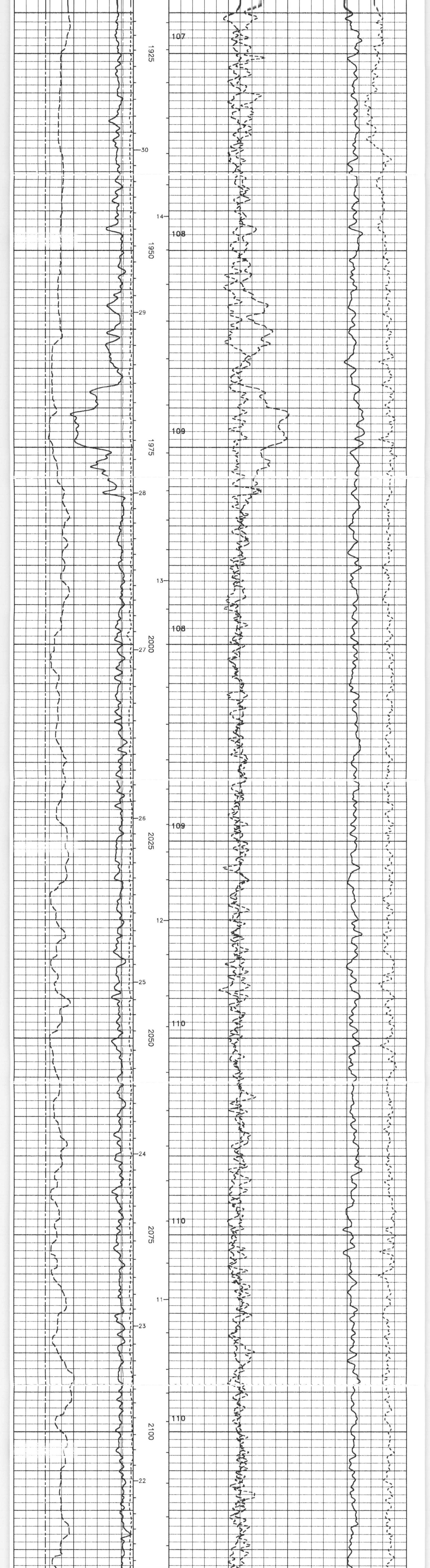
CURVE MEASURE POINT OFFSET

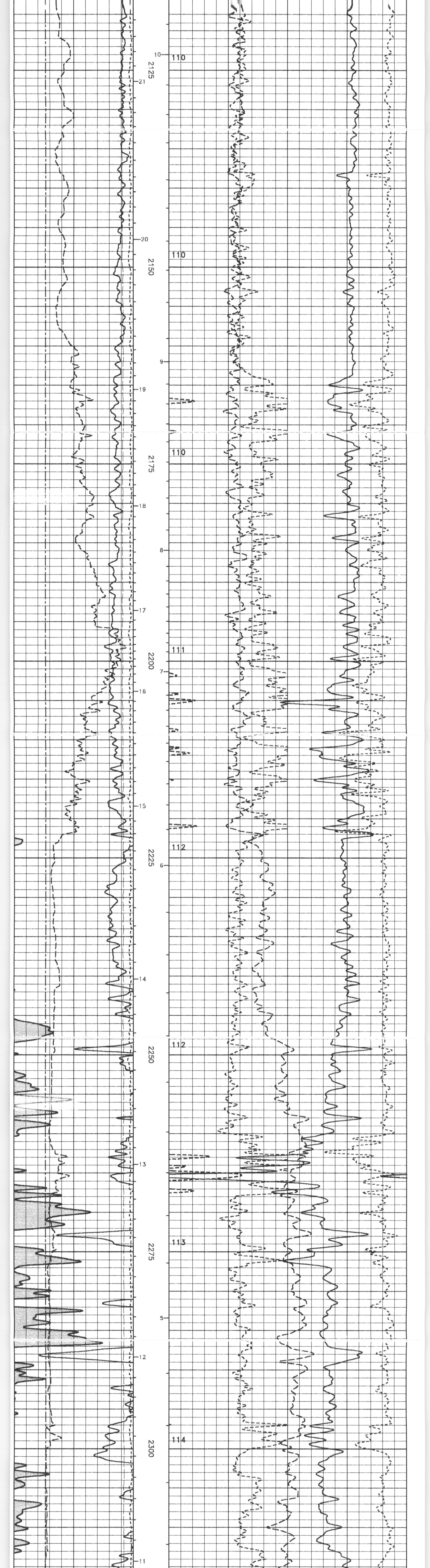
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCSS	32.19	PORZSS	26.82		
CALX	26.82	GR	0.46	TEN	0.00		
CHT	0.00	PE	26.82	ZCOR	26.82		

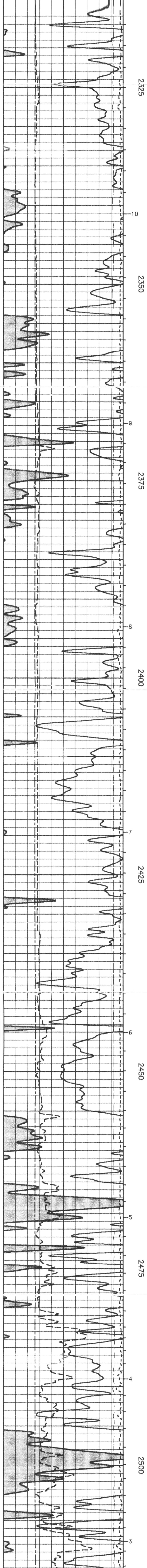
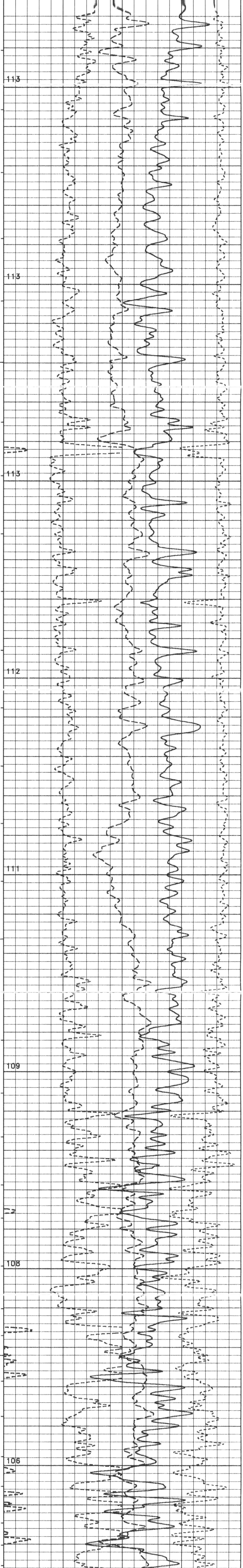
Project : /data/ddc/203168
User : bergjos
Presentation : calsunrv2:/data/ddc/203168/zdl_mainss.pdf [1:240 Scale]
Plot Interval : 1797.48 - 2574.19 Meters

Data File 1 : F1 : calsunrv2:/data/ddc/203168/l87dvx02.tif
Created On : Sep 22 01:08:49 2005
Company : PARAMOUNT RESOURCES LTD.
Well : PARAMOUNT ET AL LIARD k-29A
Field : LIARD
File Interval : 1797.41 - 2574.34 Meters
Oct : l87dvx









CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2228MA 120009

DATE/TIME PERFORMED: Wed Aug 17 09:53:09 2005

UNIT #: 3880TC 006558

	SMALL RING (raw)	LARGE RING (raw)	MULT	ADD	SMALL RING (mm)	LARGE RING (mm)
CALIPER	1720.8	2362.4	0.15835	-69.29581	203.200	304.800

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2228MA 120009

DATE/TIME PERFORMED: Wed Sep 21 06:17:37 2005

UNIT #: 3880TC 006558

	I.D. (raw)	MULT	ADD	I.D. (mm)
CALIPER	1876.2	0.15835	-69.29606	227.808

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2228MA 120009

DATE/TIME PERFORMED: Wed Sep 21 10:42:46 2005

UNIT #: 3880TC 006558

	I.D. (raw)	MULT	ADD	I.D. (mm)
CALIPER	1848.4	0.15835	-69.29606	223.406
				215.108 240.508

ZDL PRIMARY CALIBRATION SUMMARY

TOOL #: 2228MA 120009

DATE/TIME PERFORMED: Wed Aug 17 09:41:25 2005

UNIT #: 3880TC 006558

CALB. BLOCK SET: 2225XA 150415

CS SOURCE #: 4703NT 000792

	SSD-NDTC (cts/s)	HRD1-NDTC (cts/s)	HRD2-NDTC (cts/s)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
MG BLOCK (LO PE)	9403.4	4005.3	4943.3	0.677 0.625 0.725	1687.000	7.000	2.293
AL BLOCK	4651.5	402.3	517.7		2686.000	-13.000	
AL+SHIM (CORR)	6477.7	698.8	884.0		2601.000	166.000	
MG+SHIM (HI PE)		1897.7	2494.2	0.274 0.280 0.310			10.580
RATIO MG/AL	2.02 1.97 2.07	9.96 8.80 10.40	9.55 8.75 9.75				

BACKGROUND (cts/s)	CS PEAK CHANNEL #	AM PEAK CHANNEL #
1057.4	232.8 225.0 235.0	22.9 21.0 25.0

ZDL PRIMARY VERIFICATION SUMMARY

TOOL #: 2228MA 120009

DATE/TIME PERFORMED: Wed Aug 17 09:49:02 2005

UNIT #: 3880TC 006558

VERI. JIG #: 4704NA v1010/1033

	SSD-NDTC (cts/s)	HRD1-NDTC (cts/s)	HRD2-NDTC (cts/s)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
FIELD BLOCK	7997.6	1888.6	4567.8	0.183	1791.999	-46.071	15.482

ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2228MA 120009

DATE/TIME PERFORMED: Wed Sep 21 05:17:47 2005

UNIT #: 3880TC 006558

VERI. JIG #: 4704NA v1010/1033

	SSD-NDTC (cts/s)	HRD1-NDTC (cts/s)	HRD2-NDTC (cts/s)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
FIELD BLOCK	8046.8	1868.5	4508.6	0.186 0.163 0.203	1806.576 1766.999 1816.999	-37.006 -71.071 -21.071	15.325

ZDL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2228MA 120009

DATE/TIME PERFORMED: Thu Sep 22 04:48:20 2005

UNIT #: 3880TC 006558

VERI. JIG #: 4704NA v1010/1033

	SSD-NDTC (cts/s)	HRD1-NDTC (cts/s)	HRD2-NDTC (cts/s)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
FIELD BLOCK	8189.8	1787.1	4409.0	0.180 0.166 0.206	1844.000 1781.576 1831.576	-12.633 -62.006 -12.006	15.662

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 153174

DATE/TIME PERFORMED: Wed Aug 17 14:00:43 2005

UNIT #: 3880TC 006558

CALB JIG #: 4702NK DA-303

	BACKGROUND (cts/s)	CALBTR ON (cts/s)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBTR ON (gAPI)	CALBTR (gAPI)
GR	425.87	1305.67	879.8 870.0 960.0	0.170	72.61	222.61	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 153174

DATE/TIME PERFORMED: Wed Aug 17 14:07:10 2005

UNIT #: 3880TC 006558

VERI JIG #: 4702NK DA-303

	BACKGROUND (cts/s)	CALBTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBTR ON (gAPI)	DIFF. (gAPI)
GR	429.64	1288.24	0.170	73.25	219.64	146.39 140.00 160.00

GR BEFORE LOG VERIFICATION SUMMARY

NOT DONE

GR AFTER LOG VERIFICATION SUMMARY

NOT DONE



Baker Atlas

COMPANY
WELL
FIELD
PROVINCEPARAMOUNT RESOURCES LTD.
PARAMOUNT ET AL LIARD k-29A
LIARD
NORTH WEST TERRITORIESLOCATION:
LIC #: 1125ELEVATIONS:
KB 416.4 M
DF
GL 409.6 M

FILE NO:

API NO:

UWI:
300k296030123303

DATE 21-Sep-2005