

Baker Atlas

FILE NO:	COMPANY	PARAMOUNT RESOURCES LTD.
WELL	WELL	PARAMOUNT ET AL LARD K-29A
API NO:	FIELD	FORT LARD
	PROVINCE	NORTHWEST TERRITORIES
Ver. 3.87	LOCATION:	OTHER SERVICES
UWI: 300K296030123303	LIC#: 1125	ZDL-CN-CR
	RIG: AKITA 58	HDIL-CR
	GRID: 60-30-123-30	HDIP/CBIL
		DSL
PERMANENT DATUM	G.L. ELEVATION	ELEVATIONS:
LOG MEASURED FROM	K.B. 6.8 M ABOVE P.D.	KB 416.4 M
DRILL MEAS. FROM	KELLY BUSHING	DF 409.6 M
GL 409.6 M		
DATE	16-OCT-2005	
RUN	TRIP	
SERVICE ORDER	203169	1
DEPTH DRILLER	3620 M	
DEPTH LOGGER	3618.2 M	
BOTTOM LOGGED INTERVAL	3600.6 M	
TOP LOGGED INTERVAL	2480 M	
CASING DRILLER	177.8 M	2567 M
CASING LOGGER	2568 M	
BIT SIZE	156 MM	
TYPE OF FLUID IN HOLE	GELCHEM	
DENSITY	1070 G/CC	38 S
PH	10.5	9.1 C3
SOURCE OF SAMPLE	FLOWLINE	
RM AT MEAS. TEMP.	1.89 OHMM	20.5 DEGC
RM AT MEAS. TEMP.	1.84 OHMM	20.5 DEGC
RM AT MEAS. TEMP.	2.15 OHMM	20.5 DEGC
SOURCE OF RMC	MEAS	MEAS
RM AT BHT	0.47 OHMM	145.4 DEGC
TIME SINCE CIRCULATION	29.25	
MAX. RECORDED TEMP.	145.4 DEGC	
EQUIP. NO.	ES544	G. PRAIRIE
RECORDED BY	D. BUSKER / T. FISHER	
WITNESSED BY	K. ROBERTSON	

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 2 TRIP 1: LOG RECORDED VIA PIPE CONVEYED WITH THE NAUTILUS HITEMP HDIL/XMAC/DEN/CN/DSL IN A HIGH RESOLUTION MODE ON A DOWNLOG AND AN UPLUG. THE DOWNLOG WAS RECORDED AS A GRANDSLAM WITH AN XMAX IN THE MONOPOLE/DIPOLE SETTING AND THE UPLUG AS A GRANDSLAM AND XMAC IN A X-DIPOLE MODE. NO CALIPER COULD BE RUN WITH THE NAUTILUS DENSITY DUE TO HIGH ANGLE. SPIKES ON GR ARE CREATED NOW & THEN DUE TO MAKING A PIPE CONNECTION.

LOST COMMUNICATION WITH TOOL STRING AT 2850 M WHILE COMING UP WITH MAIN PASS DUE TO LINE GETTING KINKED. AFTER CORRECTING PROBLEM, MADE ANOTHER RUN IN THE HOLE TO LOG SECTION MISSED. BOTH LOGS WERE SPLICED TOGETHER FOR FINAL PRESENTATION. USED DOWN LOG AS REPEAT PASS. PRESENTED DELTA T ON A 100-300 USEC/M SCALE.

CIRCULATION STOPPED @ 1430 13-OCT-05.
MAX DEVIATION = 84.8 DEGS.
LOG WAS TIED INTO RUN 1 DATED 21-SEP-05.

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
2	1	SWVL	3944XC	094415	FREE
2	1	PWRSUB	4430XB	389992	FREE
2	1	TTRM	3981XA	10080042	FREE
2	1	COMR	3514XA	10051809	FREE
2	1	GR	1329XA	172708	DECENT
2	1	CN	2447XA	10040679	DECENT
2	1	DEN	2233EA	10077790	DECENT
2	1	DEN	2233MA	10129053	DECENT
2	1	XMAC	1867EA	119772	CENT
2	1	XMAC	1878MA	188383	CENT
2	1	XMAC	1878PB	10141932	CENT
2	1	XMAC	1868BA	154071	CENT
2	1	HDIL	1515EA	10084999	38MM S.O.
2	1	HDIL	1515MA	10084999	38MM S.O.

INSTRUMENT CONFIGURATION

Source File: /data/pass/paramount_lard/xmac-tdg

PIPE CONVEYANCE

Series : CABLPCL
Mnemonic : PCL
Diameter : 5.00"
Weight : 45.5 kg
Length : 231.8 cm

DOWNHOLE POWER ADAPTER

Series : 4430GB
Mnemonic : DHPA
Diameter : 3.62"
Weight : 38.4 kg
Length : 180.5 cm

SWIVEL

Series : 3944XD
Mnemonic : SWVL
Diameter : 3.50"
Weight : 29.5 kg
Length : 108.7 cm

HP TTRM SUB

Series : 3981XA
Mnemonic : TTRM
Diameter : 3.63"
Weight : 38.4 kg
Length : 116.8 cm
Measure Point: 42.2 cm: TEMP MP
Measure Point: 34.5 cm: RM MP

HT/HP WTS COMMON REMOTE

Series : 3514XA
Mnemonic : WTS
Diameter : 4.17"
Weight : 126.8 kg
Length : 276.9 cm

HT/HP DIGITAL SPECTRALOG

Series : 1329XA
Mnemonic : DSL
Diameter : 4.17"
Weight : 126.8 kg
Length : 281.9 cm
Measure Point: 79.2 cm: GR MP

47.73 m

TEMP MP 42.00 m
RM MP 41.92 m

NAUTILUS COMPENSATED NEUTRON
Series : 2447XA
Mnemonic : CN
Diameter : 4.17"
Weight : 118.9 kg
Length : 285.2 cm
Source Type : N/A
Strength : N/A
Measure Point: 80.3 cm: LSN MP
Measure Point: 88.1 cm: SSN MP

TOOL TURNER
Series : N/A
Mnemonic : N/A
Diameter : 3.83"
Weight : 11.4 kg
Length : 63.5 cm

NAUTILUS SLICK DENSITY ELECTRONICS
Series : 2233EA
Mnemonic : HTD
Diameter : 4.18"
Weight : 97.7 kg
Length : 281.7 cm

NAUTILUS SLICK DENSITY MANDREL
Series : 2233MA
Mnemonic : HTD
Diameter : 4.18"
Weight : 97.7 kg
Length : 287.0 cm
Source Type : N/A
Strength : N/A
Measure Point: 109.5 cm: LSD MP
Measure Point: 96.5 cm: SSD MP

HT/HP DIGITAL ORIENTATION
Series : 4401XB
Mnemonic : ORIT
Diameter : 3.88"
Weight : 140.9 kg
Length : 388.6 cm
Measure Point: 6.6 cm: ORIENT MP

HT/HP ARRAY ACOUSTILOG ELECTRONICS
Series : 1887EA
Mnemonic : XMAC
Diameter : 3.88"
Weight : 116.4 kg
Length : 297.2 cm

HT/HP CROSS MULTI-POLE ARRAY ACOUSTILOG
Series : 1878MA
Mnemonic : XMAC
Diameter : 3.88"
Weight : 180.2 kg
Length : 431.8 cm
Measure Point: 187.6 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: 78.2 cm: R2
Measure Point: 61.0 cm: R1

SHEAR WAVE ACOUSTILOG
Series : 1878PB
Mnemonic : XMAC
Diameter : 3.63"
Weight : 81.4 kg
Length : 152.4 cm

HP/HT MULTI-POLE ARRAY ACOUSTIC
Series : 1888EA
Mnemonic : MAC
Diameter : 3.62"
Weight : 79.5 kg
Length : 210.8 cm
Measure Point: 185.1 cm: MONOPOLE T2 MP
Measure Point: 142.2 cm: DIPOLE T4 MP
Measure Point: 111.8 cm: DIPOLE T3 MP
Measure Point: 88.9 cm: MONOPOLE T1 MP

GR MP — 36.78 m

LSN MP — 33.94 m
SSN MP — 33.82 m

LSD MP — 28.11 m
SSD MP — 27.98 m

ORIENT MP — 23.19 m

RB — 17.51 m
R7 — 17.36 m
R8 — 17.21 m
R5 — 17.08 m
R4 — 16.91 m
R3 — 16.75 m
R2 — 16.60 m
R1 — 16.45 m

MONOPOLE T2 MP — 13.86 m
DIPOLE T4 MP — 13.63 m
DIPOLE T3 MP — 13.32 m
MONOPOLE T1 MP — 13.10 m

HT/HP MULTI-POLE ARRAY ACOUSTIC
Series : 1888FA
Mnemonic : MAC
Diameter : 3.88"
Weight : 70.5 kg
Length : 190.5 cm

HP/HT HIGH DEFINITION INDUCTION TOOL
Series : 1515XA
Mnemonic : HDIL
Diameter : 4.17"
Weight : 200.5 kg
Length : 1030.2 cm
Measure Point: 557.3 cm: RXCB MP
Measure Point: 310.9 cm: XMTR MP

RXCB MP 5.57 m

XMTR MP 3.11 m

BULL PLUG 3 1/8

TOTAL LENGTH: 47.80 m
TOTAL WEIGHT: 1585.0 kg
MAX DIAMETER: 0'5.00"

0.00 m

MAIN UP LOG - UPPER PRESENTATION

eXpress Unknown eXpress 3.1 last updated 28Sep2005 17:22 Sep 28, 2005 Cplot 8.1 Fri Oct 21 02:02:43 2005
Updates: 1 Pcrplt /main/61 Pdf_Cpp /main/16 Fileview 4.34

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:CHT	CHT	Oct 16 11:06:41 2005	CABLE HEAD TENSION
F1:DT24QI	DTC.I	Oct 16 11:06:41 2005	INTERVAL TRANSIT TIME OVER 24 INCH INTERVAL
F1:GR	GR	Oct 16 11:06:42 2005	GAMMA RAY
F1:MMRK	MMRK	Oct 16 11:06:42 2005	MINUTE MARK
F1:TEN	TEN	Oct 16 11:08:44 2005	DIFFERENTIAL TENSION
F1:TT	TT	Oct 16 12:23:31 2005	INTEGRATED TRAVEL TIME FROM ACOUSTIC DELTA-T

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	0.00	DT24QI	14.48	GR	36.77	TEN	0.00

Project : /data/ddc/203169
User : jlanwel
Presentation : calsunsv2:/data/ddc/203169/mac_upper.pdf [1:800 Scale]
Plot Interval : 2451.35 - 3620 Meters

Data File 1 : F1 : calsunsv2:/data/ddc/203169/splice_up.xtf
Created On : Oct 14 19:37:00 2005
Company : PARAMOUNT RESOURCES LTD
Well : PARAMOUNT ET AL LIARD K-29A
Field : FORT LIARD
File Interval : 2451.35 - 3618.89 Meters
Oct : 187ba

GR BACKUP

TOOL STICKING

GAMMA RAY [gr]

(gAPI)

DIFF. TENSION [ten]
1900 100
(kgf)

CH-TENSION [cht]
5300 300
(kgf)

MINUTE MARK

-1

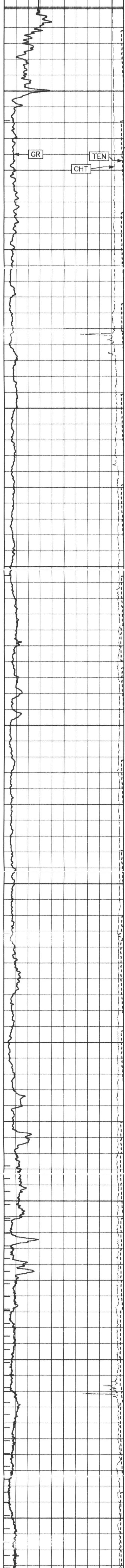
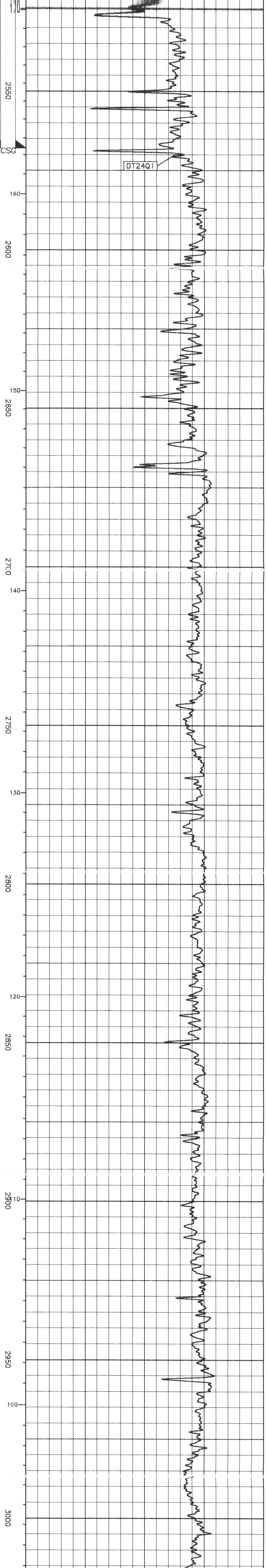
METERS

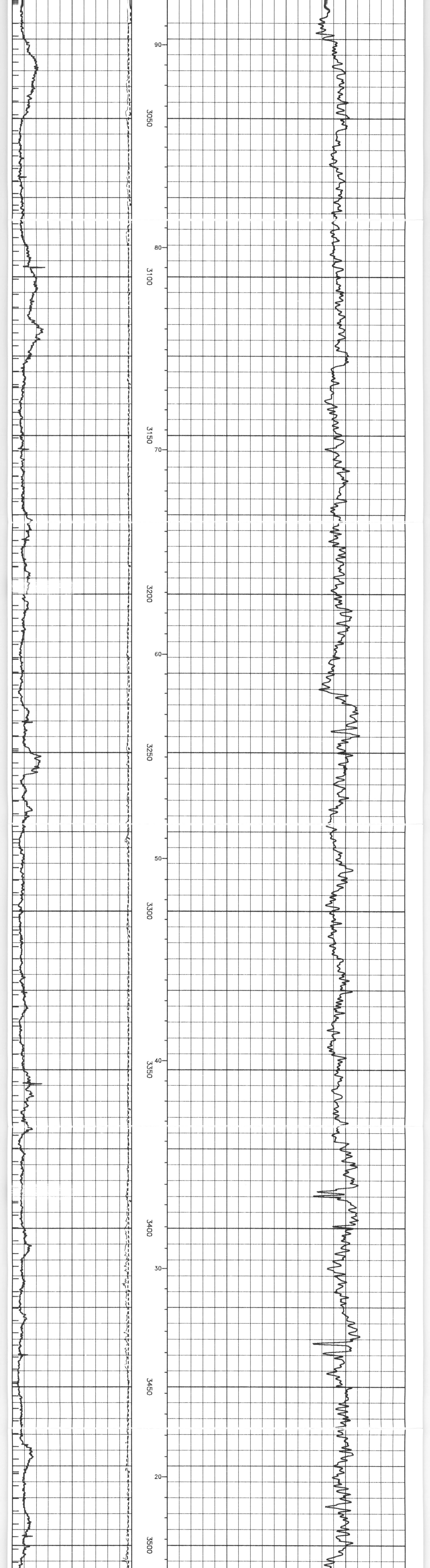
TT
1
10
100

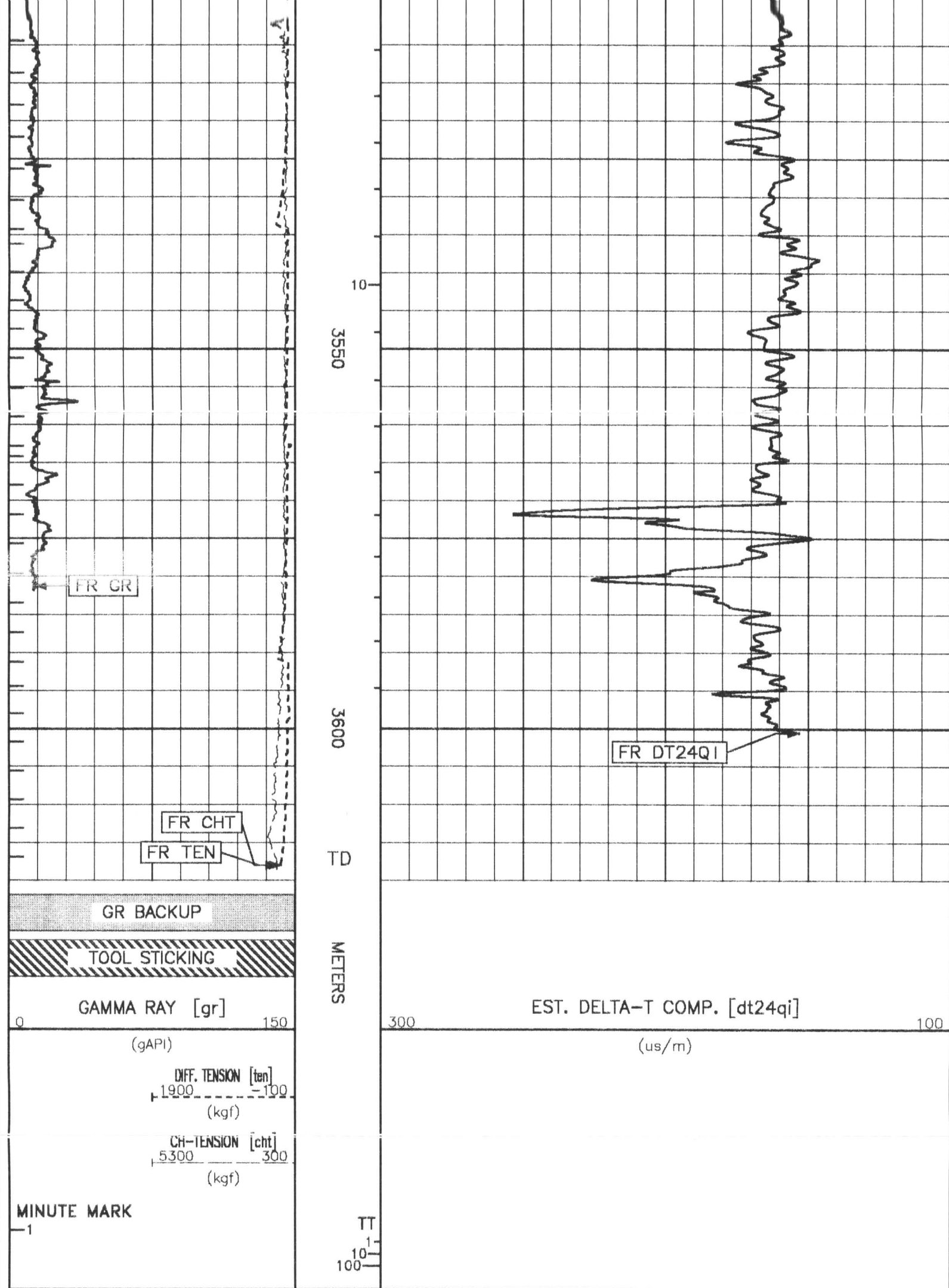
2500

EST. DELTA-T COMP. [dt24qi]

(us/m)







MAIN UP LOG

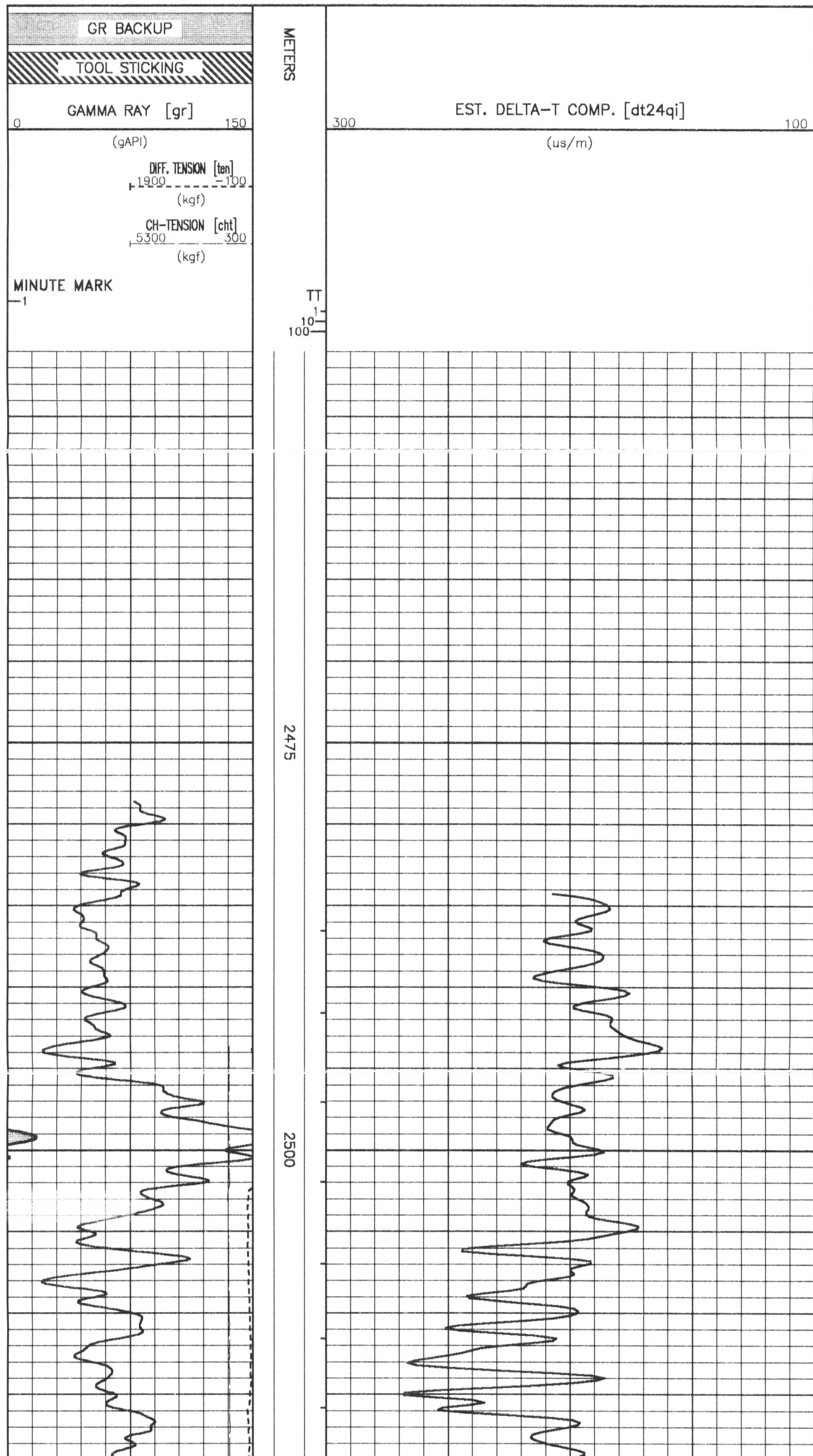
eXpress Unknown eXpress 3.1 last updated 28Sep2005 17:22 Sep 28, 2005 Cplot 8.1 Fri Oct 21 02:03:00 2005
Updates: 1 Pcrpt /main/61 Pdf_Cpp /main/16 Fileview 4.34

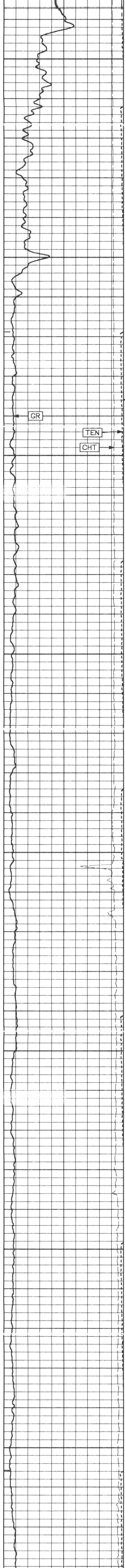
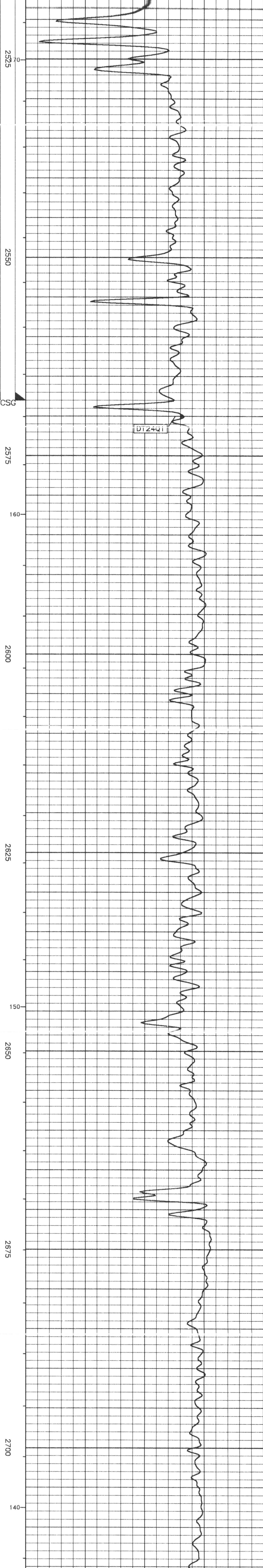
CURVE DESCRIPTION REPORT				
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION	
F1:CHT	CHT	Oct 16 11:08:41 2005	CABLE HEAD TENSION	
F1:DT24QI	DTC.I	Oct 16 11:06:41 2005	INTERVAL TRANSIT TIME OVER 24 INCH INTERVAL	
F1:GR	GR	Oct 16 11:08:42 2005	GAMMA RAY	
F1:MMRK	MMRK	Oct 16 11:08:42 2005	MINUTE MARK	
F1:TEN	TEN	Oct 16 11:08:44 2005	DIFFERENTIAL TENSION	
F1:TT	TT	Oct 16 12:23:31 2005	INTEGRATED TRAVEL TIME FROM ACOUSTIC DELTA-T	

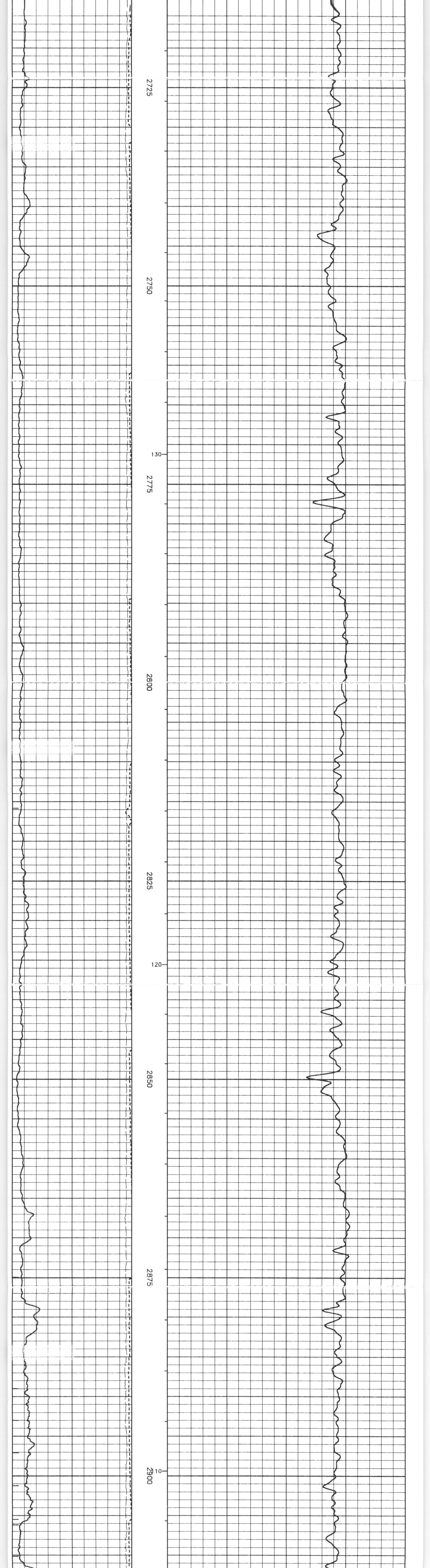
CURVE MEASURE POINT OFFSET					
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	0.00	DT24QI	14.48	GR	36.77
TEN	0.00				

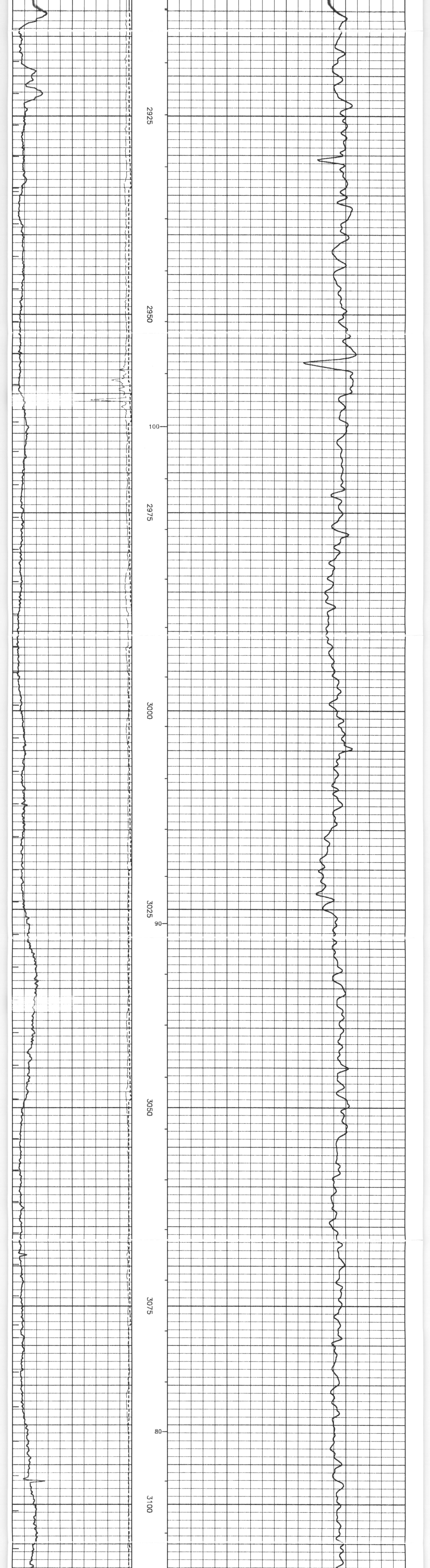
Project : /data/ddc/203169
User : [lanwei]
Presentation : calsunrv2:/data/ddc/203169/mac_main_up.pdf [1:240 Scale]
Plot Interval : 2451.35 - 3620 Meters

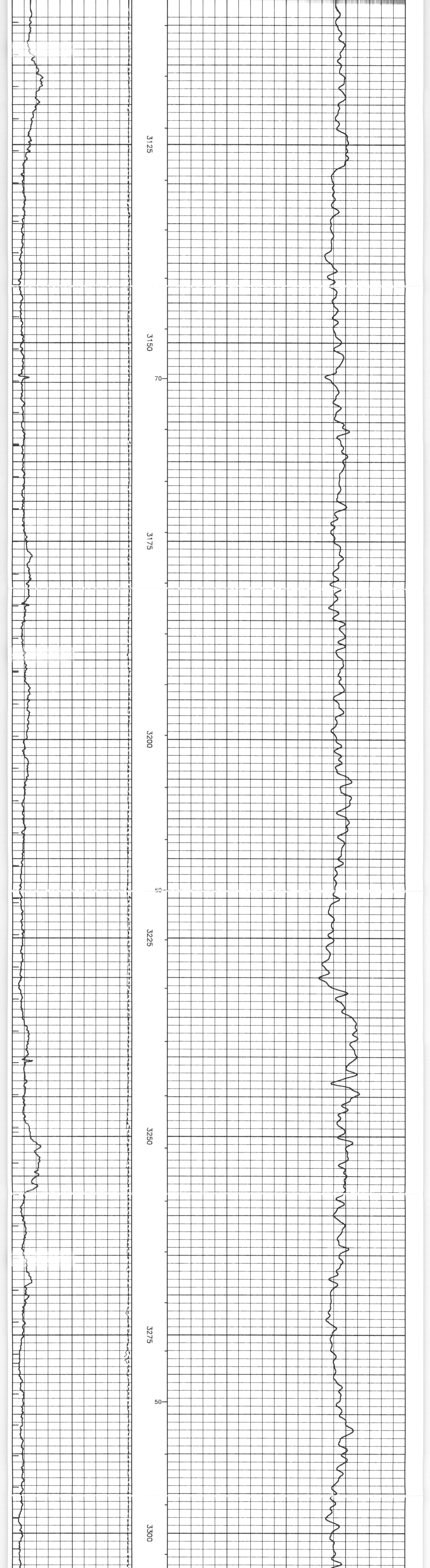
Data File 1 : F1 : calsunrv2:/data/ddc/203169/splice_up.xtf
Created On : Oct 14 19:37:00 2005
Company : PARAMOUNT RESOURCES LTD
Well : PARAMOUNT ET AL LIARD K-29A
Field : FORT LIARD
File Interval : 2451.35 - 3618.89 Meters
Oct : i87ba

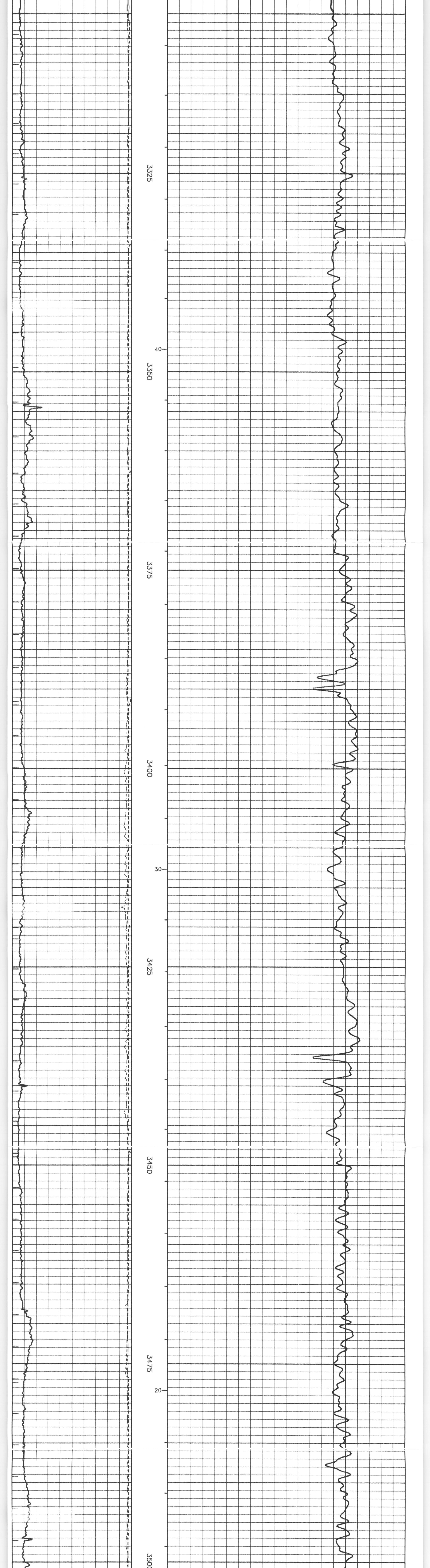


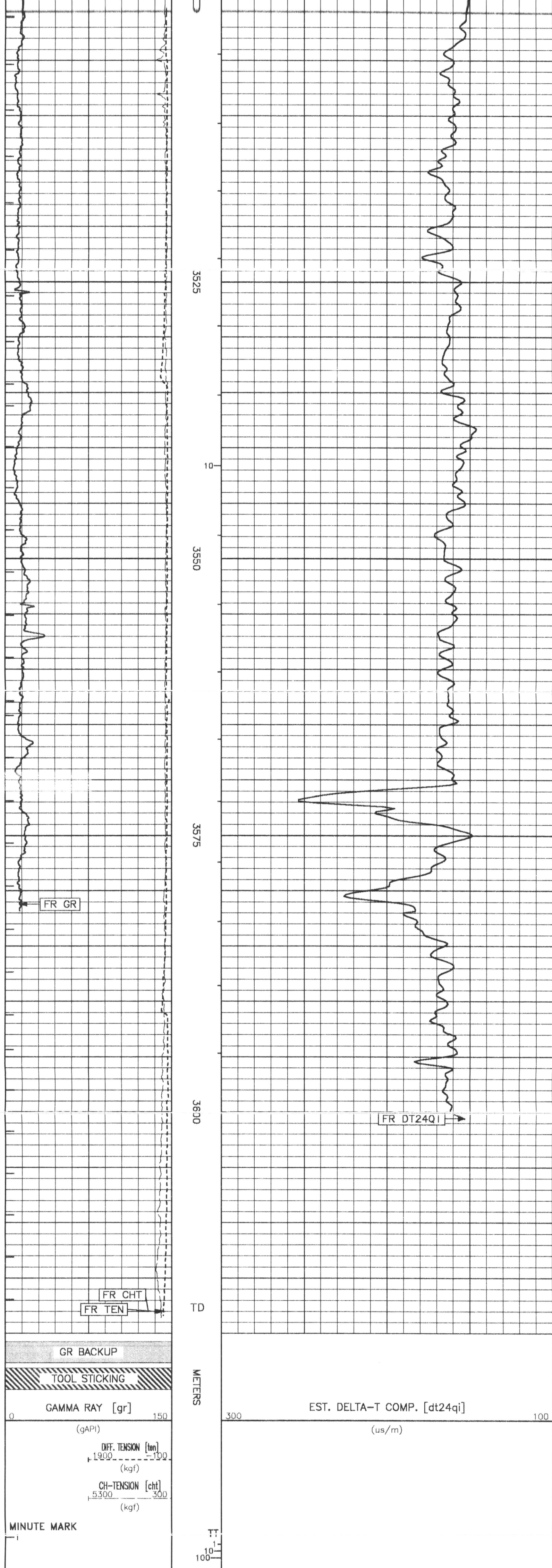












REPEAT DOWN LOG

eXpress Unknown eXpress 3.1 last updated 28Sep2005 17:22 Sep 28, 2005 Cplot 8.1
Updates: 1 Perplot /main/61 Pdf_Cpp /main/16

Fri Oct 21 02:03:16 2005
Fileview 4.34

CURVE DESCRIPTION REPORT

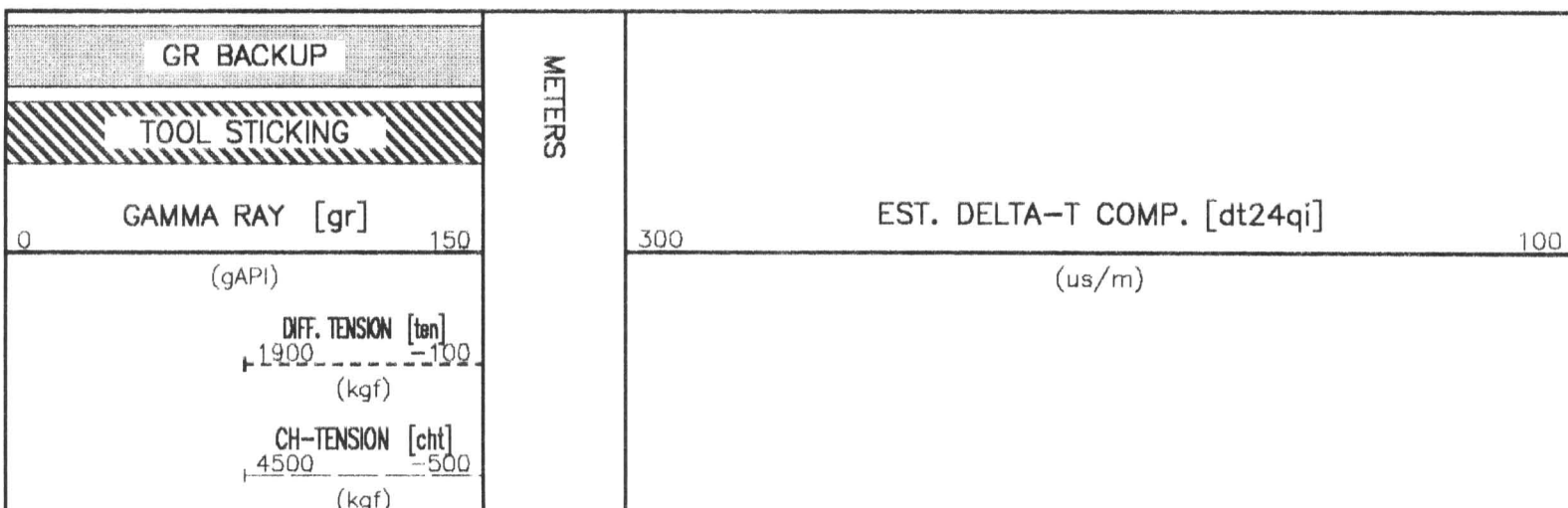
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:CHT	CHT	Oct 14 13:31:21 2005	CABLE HEAD TENSION
F1:DT24QI	DTC.I	Oct 14 13:31:21 2005	INTERVAL TRANSIT TIME OVER 24 INCH INTERVAL
F1:GR	GR	Oct 15 02:30:58 2005	GAMMA RAY
F1:MMRK	MMRK	Oct 14 13:31:21 2005	MINUTE MARK
F1:TEN	TEN	Oct 14 13:31:21 2005	DIFFERENTIAL TENSION

CURVE MEASURE POINT OFFSET

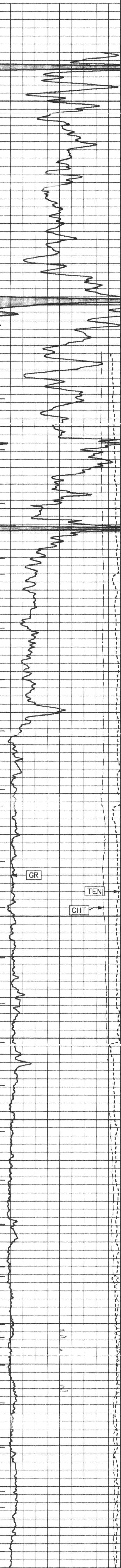
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	0.00	DT24QI	14.48	GR	36.77	TEN	0.00

Project : /data/ddc/203169
User : jlanwei
Presentation : calsunsv2:/data/ddc/203169/mac_main_down.pdf [1:240 Scale]
Plot Interval : 2463.7 - 3626.97 Meters

Data File 1 : F1 : calsunsv2:/data/ddc/203169/i87ba01.xtf
Created On : Oct 14 13:31:21 2005
Company : PARAMOUNT RESOURCES LTD
Well : PARAMOUNT ET AL LIARD K-29A
Field : FORT LIARD
File Interval : 2463.7 - 3626.97 Meters
Oct : i87ba



MINUTE MARK



2475 2500 2525 2550 2575 2600 2625 2650

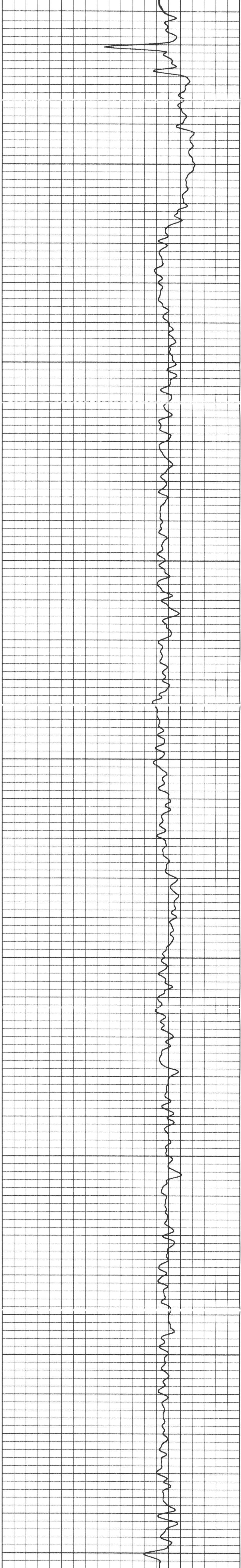
CSG

GR

TEN

CHT

DT24Q1



2675

2700

2725

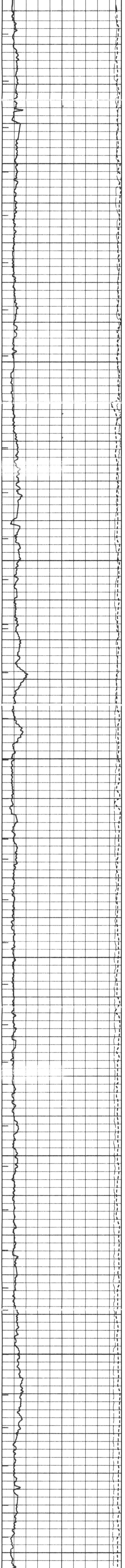
2750

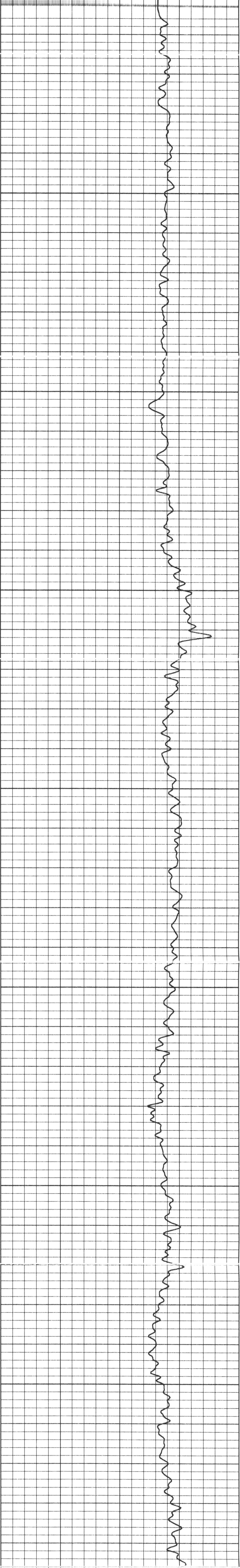
2775

2800

2825

2850





2875

2900

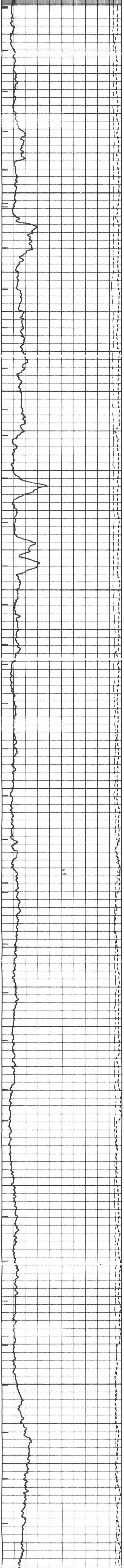
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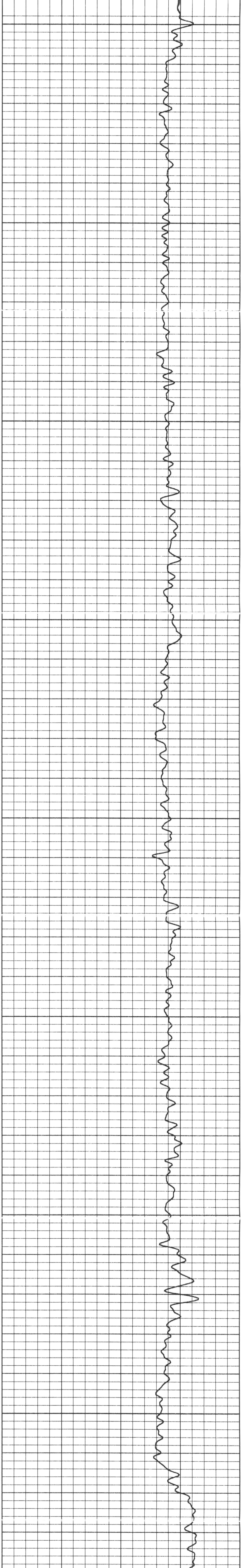
2950

2975

3000

3025





3050

3075

3100

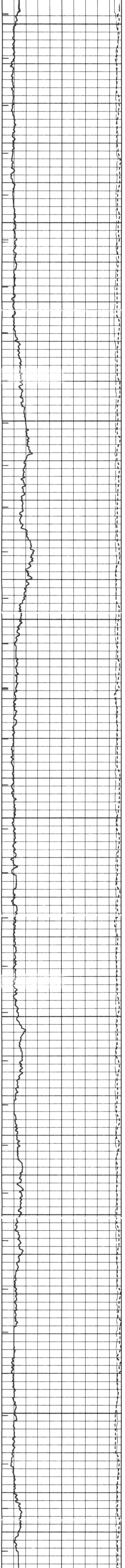
3125

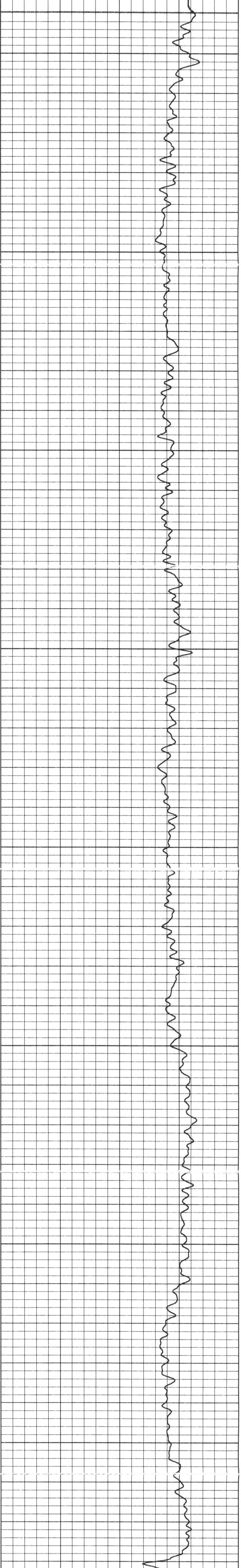
3150

3175

3200

3225





3250

3275

3300

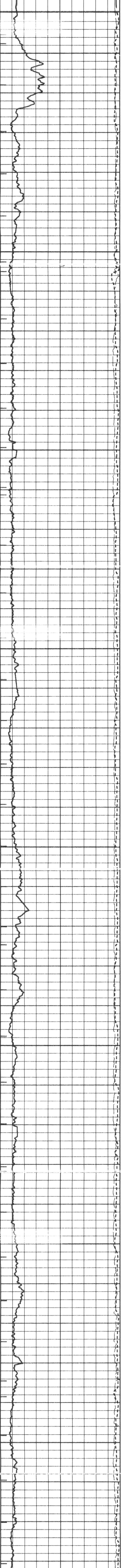
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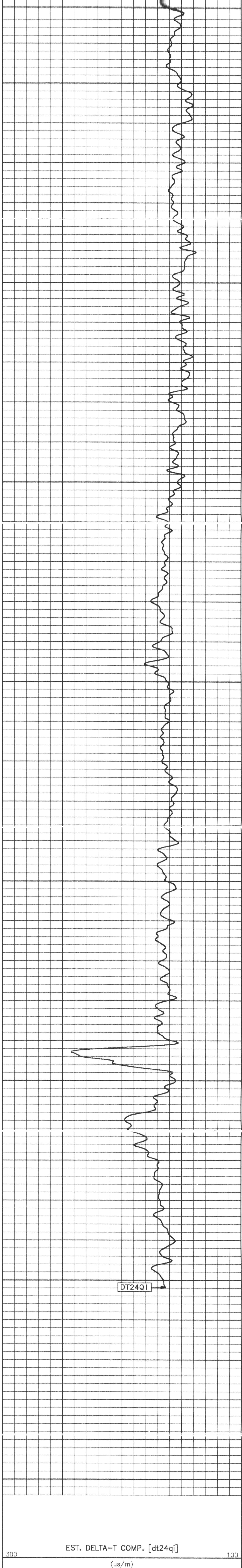
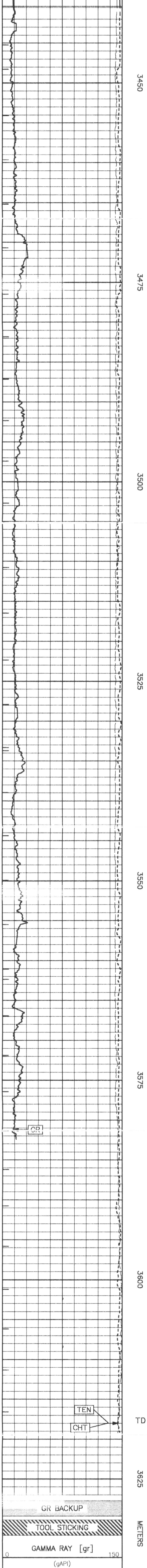
3350

3375

3400

3425





CH-TENSION [cht]
 1900 - 100
 (kgf)
 4500 - 500
 (kgf)

MINUTE MARK

—1



COMPANY
WELL
FIELD
PROVINCE

PARAMOUNT RESOURCES LTD.
 PARAMOUNT ET AL LIARD K-29A
 FORT LIARD
 NORTHWEST TERRITORIES

FILE NO:

API NO:

Baker Atlas

LOCATION:

LIC#: 1125
RIG: AKITA 58

GRID: 60-30-123-30

ELEVATIONS:

KR 416.4 M

DF

GL 409.6 M

UWI:

300K296030123303

DATE

16-OCT-2005