

Company: Esso Australia Pty Ltd

Well: CBA F4

Field: Cobia

Rig: Rig 22

Country: Australia

RST-C  
Sigma & IC Log  
24-Nov-2007

Rig 22  
Cobia  
Gippsland  
CBA F4

Company: Esso Australia Pty Ltd

LOCATION  
Gippsland  
Basin  
Bass Strait  
Elev.: K.B. 32.4 m  
G.L. -79 m  
D.F. 32.4 m  
Permanent Datum: MSL  
Log Measured From: DF  
Drilling Measured From: DF  
Elev.: 0 m  
32.4 m above Perm. Datum

State: Victoria  
Max. Well Deviation 55 deg  
Longitude 148° 18' 28.3" E  
Latitude 38° 27' 03.5" S

Logging Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Fluid Type

Salinity

Density

Fluid Level

BIT/CASING/TUBING STRING

Bit Size

From

To

Casing/Tubing Size

Weight

Grade

From

To

Maximum Recorded Temperatures

Logger On Bottom

Unit Number

Recorded By

Witnessed By

PVT DATA

Oil Density

Water Salinity

Gas Gravity

Bo

Bw

1/Bg

Bubble Point Pressure

Bubble Point Temperature

Solution GOR

Maximum Deviation

CEMENTING DATA

Primary/Squeeze

Casing String No

Lead Cement Type

Volume

Density

Water Loss

Additives

Tail Cement Type

Volume

Density

Water Loss

Additives

Expected Cement Top

Logging Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Fluid Type

Salinity

Density

Fluid Level

BIT/CASING/TUBING STRING

Bit Size

From

To

Casing/Tubing Size

Weight

Grade

From

To

Maximum Recorded Temperatures

Logger On Bottom

Unit Number

Recorded By

Witnessed By

Run 1

Run 2

Date Created: 24-NOV-2007 12:17:39

## Logging Cable

Type:	2-32ZT
Serial Number:	24187
Length:	6239.87 M
Conveyance Method:	Wireline
Rig Type:	Offshore Fixed

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Solar Composite
Reference Log Run Number:	Not Provided
Reference Log Date:	Not Provided

1. IDW used as primary depth control
2. Z Chart used as a secondary depth control
3. Log correlated to Solar composite log provided by client
- 4.
- 5.
- 6.

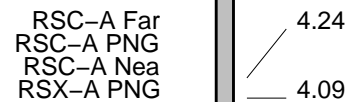
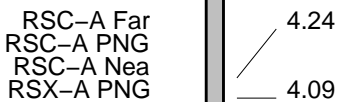
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES2  
OS1:  
OS2:  
OS3:  
OS4:  
OS5:

Log correlated to Solar Composite Log undated, provided by client.

Matrix = Sandstone, BS= 9-7/8", CSIZ= 7-5/8", CWEI= 27.9 lb/ft

Crew: (Days) M.Hancock & B. Glover					
(Nights) D. Stucky & S. Kiss					
RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
15C0-309					
0 m					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT			SURFACE EQUIPMENT		
WITM-A			WITM-A		
PSC_16MHZ			PSC_16MHZ		
DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
AH-SWBS YEL1			AH-SWBS YEL1		
AH-SWBS 785			AH-SWBS 785		
12.03			12.03		
AH-SWBS YEL1			AH-SWBS YEL1		
AH-SWBS 786			AH-SWBS 786		
11.33			11.33		
AH-SWBS YEL1			AH-SWBS YEL1		
AH-SWBS 787			AH-SWBS 787		
10.63			10.63		
AH-SWHS YEL1			AH-SWHS YEL1		
AH-SWHS 759			AH-SWHS 759		
9.93			9.93		
PSPT-B ORA1			PSPT-B ORA1		
PSC-A 1768			PSC-A 1768		
PSPT-B			PSPT-B		
PSTC 1768			PSTC 1768		
PBMS-B 1747			PBMS-B 1747		
CQG_F_Mano			CQG_F_Mano		
RTD_Thermometer			RTD_Thermometer		
GR			GR		
CCL			CCL		
PBMS-B 1747			PBMS-B 1747		
Well_Temp			Well_Temp		
CQG Manom			CQG Manom		
CCL			CCL		
PBMS PSTC			PBMS PSTC		
7.48			7.48		
7.37			7.37		
7.25			7.25		
7.02			7.02		
RST-C			RST-C ORA1		
RSCH-A 98			RSCH-A 111		
RSC-CA 116			RSC-CA 132		
RSS-A 94			RSS-A 108		
RSXH-A 179			RSXH-A 145		
RSX-CA 101			RSX-CA 132		
7.02			7.02		



Tension HV 0.00 TOOL ZERO

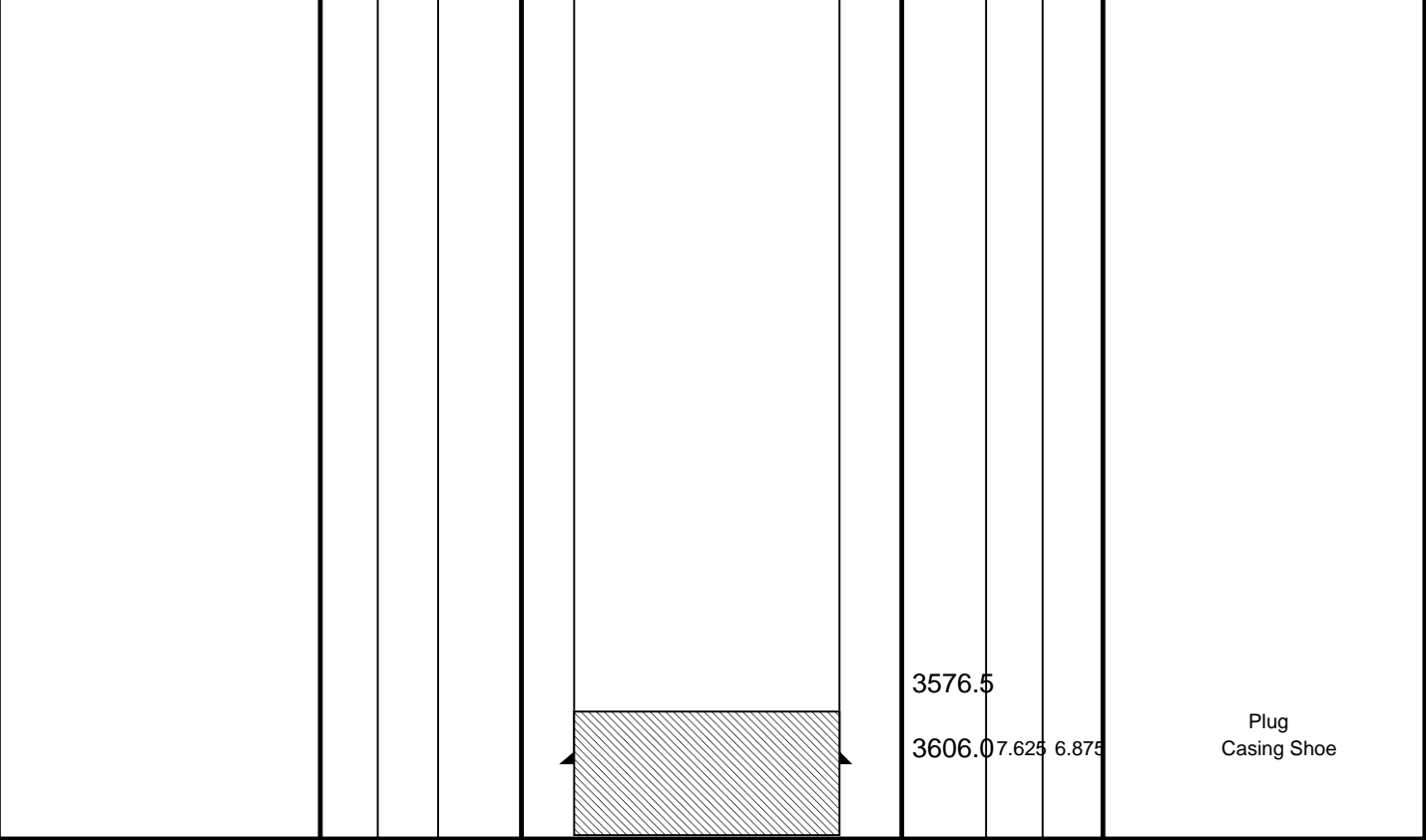
MAXIMUM STRING DIAMETER 1.72 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN METERS

Tension HV 0.00 TOOL ZERO

MAXIMUM STRING DIAMETER 1.72 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN METERS

Production String	(in)	(m)	Well Schematic	(m)	(in)	Casing String
OD	ID	MD		MD	OD	ID

[illegible]



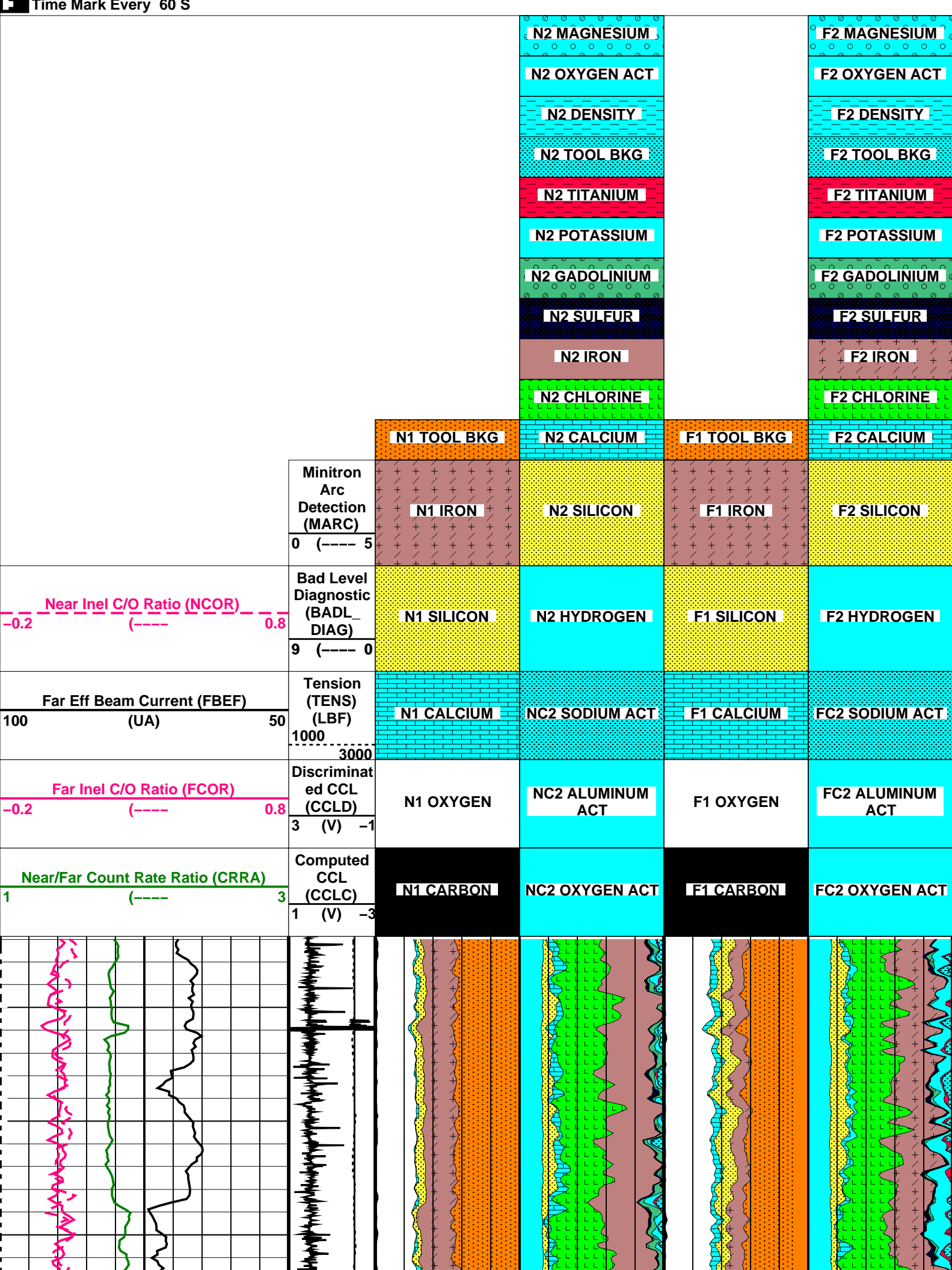
CO Mode Pass 6, 100ft/hr

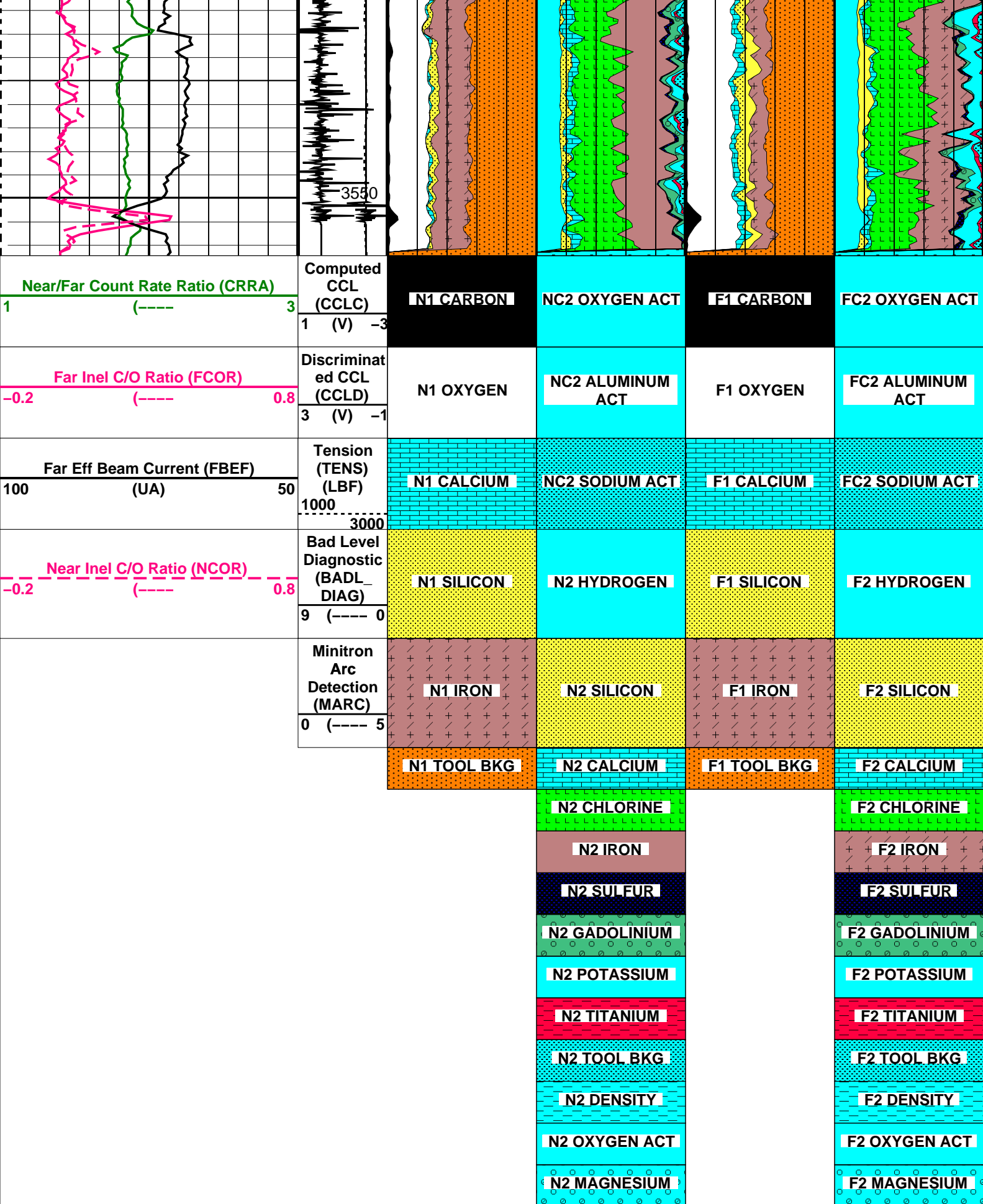
MAXIS Field Log

Company: Esso Australia Pty Ltd Well: CBA F4

Input DLIS Files					
DEFAULT	RST_PSP_058LUP	FN:72	PRODUCER	24-Nov-2007 15:48	3557.9 M 3521.7 M
Output DLIS Files					
DEFAULT	RST_PSP_058PUP	FN:74	PRODUCER	24-Nov-2007 15:53	3552.4 M 3526.8 M

OP System Version: 15C0-309					
MCM					
RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007		






PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
TIER_IC	RST-C: Reservoir Saturation Pro Tool C RST IC Acquisition Mode System and Miscellaneous	0_CO_Yield_and_Spectrolith
DO	Depth Offset for Playback	0.3 M
PP	Playback Processing	NORMAL
Format: RST_YIELDS    Vertical Scale: 1:200		Graphics File Created: 24-Nov-2007 15:53
<b>OP System Version: 15C0-309</b> MCM		
RST-C	SRPC-3474-Q4_2007	PSPT-B      SRPC-3474-Q4_2007
<b>Input DLIS Files</b>		
DEFAULT	RST_PSP_058LUP	FN:72    PRODUCER    24-Nov-2007 15:48    3557.9 M    3521.7 M
<b>Output DLIS Files</b>		
DEFAULT	RST_PSP_058PUP	FN:74    PRODUCER    24-Nov-2007 15:53



CO Mode Pass 5, 100ft/hr

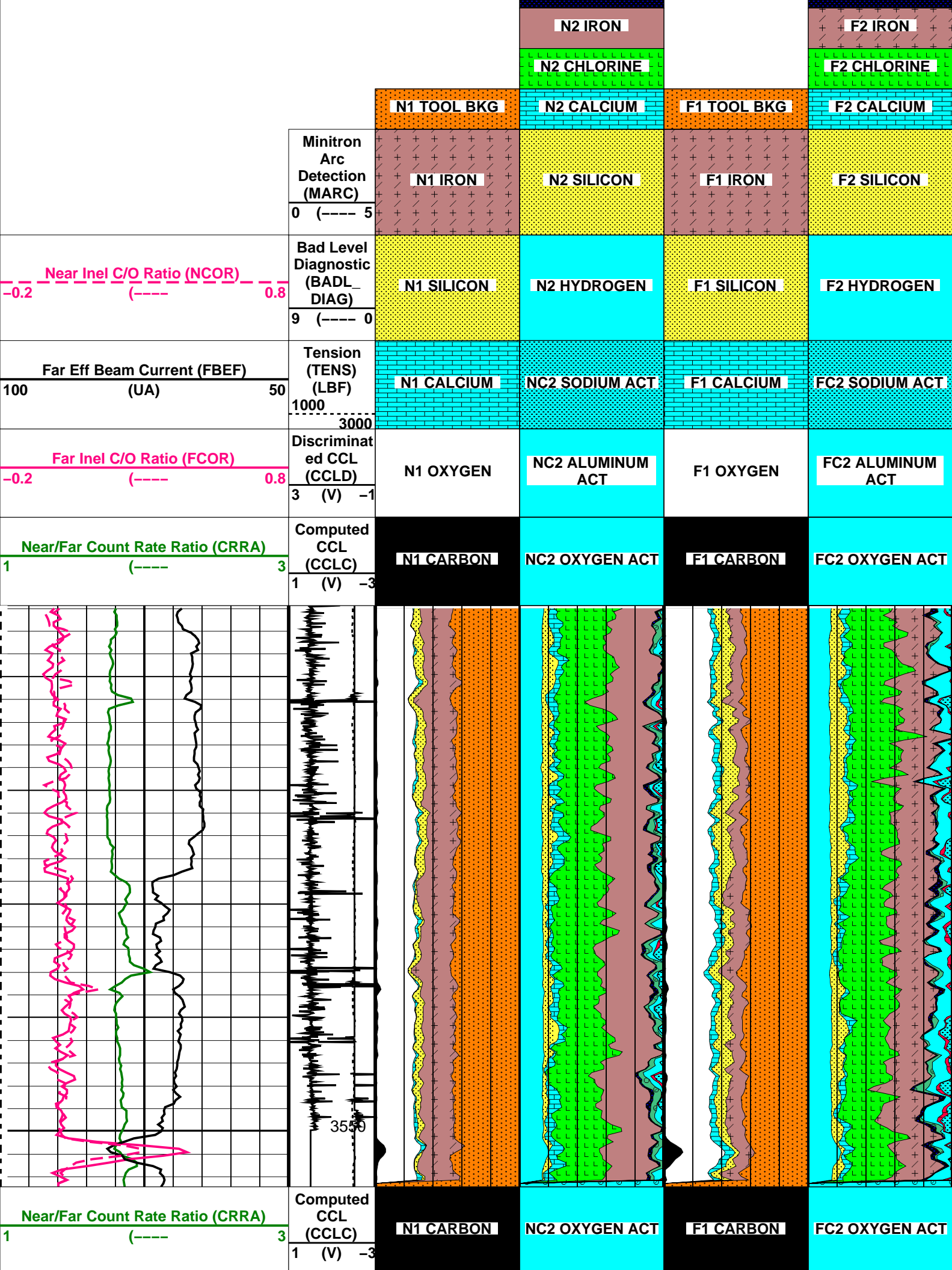
MAXIS Field Log

Company: Esso Australia Pty Ltd						Well: CBA F4	
Input DLIS Files							
DEFAULT	RST_PSP_057LUP	FN:71	PRODUCER	24-Nov-2007 14:51	3556.9 M	3520.9 M	
Output DLIS Files							
DEFAULT	RST_PSP_057PUP	FN:73	PRODUCER	24-Nov-2007 14:58	3552.4 M	3526.8 M	
OP System Version: 15C0-309							
MCM							
RST-C	SRPC-3474-Q4_2007	PSPT-B		SRPC-3474-Q4_2007			

PIP SUMMARY	
	Time Mark Every 60 S

	<div>N2 MAGNESIUM</div> <div>N2 OXYGEN ACT</div> <div>N2 DENSITY</div> <div>N2 TOOL BKG</div> <div>N2 TITANIUM</div> <div>N2 POTASSIUM</div> <div>N2 GADOLINIUM</div> <div>N2 SULFUR</div>		<div>F2 MAGNESIUM</div> <div>F2 OXYGEN ACT</div> <div>F2 DENSITY</div> <div>F2 TOOL BKG</div> <div>F2 TITANIUM</div> <div>F2 POTASSIUM</div> <div>F2 GADOLINIUM</div> <div>F2 SULFUR</div>
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Far Inel C/O Ratio (FCOR) -0.2 (----) 0.8	Discriminat ed CCL (CCLD) 3 (V) -1	N1 OXYGEN	NC2 ALUMINUM ACT	F1 OXYGEN	FC2 ALUMINUM ACT
Far Eff Beam Current (FBEF) 100 (UA) 50	Tension (TENS) (LBF) 1000 ----- 3000	N1 CALCIUM	NC2 SODIUM ACT	F1 CALCIUM	FC2 SODIUM ACT
Near Inel C/O Ratio (NCOR) -0.2 (----) 0.8	Bad Level Diagnostic (BADL_ DIAG) 9 (---- 0	N1 SILICON	N2 HYDROGEN	F1 SILICON	F2 HYDROGEN
	Minitron Arc Detection (MARC) 0 (---- 5	N1 IRON	N2 SILICON	F1 IRON	F2 SILICON
		N1 TOOL BKG	N2 CALCIUM	F1 TOOL BKG	F2 CALCIUM
			N2 CHLORINE		F2 CHLORINE
			N2 IRON		F2 IRON
			N2 SULFUR		F2 SULFUR
			N2 GADOLINIUM		F2 GADOLINIUM
			N2 POTASSIUM		F2 POTASSIUM
			N2 TITANIUM		F2 TITANIUM
			N2 TOOL BKG		F2 TOOL BKG
			N2 DENSITY		F2 DENSITY
			N2 OXYGEN ACT		F2 OXYGEN ACT
			N2 MAGNESIUM		F2 MAGNESIUM

PIP SUMMARY					
Time Mark Every 60 S					
Parameters					
DLIS Name		Description		Value	
RST-C: Reservoir Saturation Pro Tool C					
TIER_IC	RST IC Acquisition Mode		0_CO_Yield_and_Spectrolith		
System and Miscellaneous					
DO	Depth Offset for Playback		0.3	M	
PP	Playback Processing		NORMAL		
Format: RST_YIELDS		Vertical Scale: 1:200		Graphics File Created: 24-Nov-2007 14:58	
OP System Version: 15C0-309					
MCM					
RST-C	SRPC-3474-Q4_2007		PSPT-B	SRPC-3474-Q4_2007	
Input DLIS Files					
DEFAULT	RST_PSP_057LUP	FN:71	PRODUCER	24-Nov-2007 14:51	3556.9 M 3520.9 M
Output DLIS Files					

**Schlumberger****CO Mode Pass 4, 100ft/hr**

MAXIS Field Log

Company: Esso Australia Pty Ltd

Well: CBA F4

**Input DLIS Files**

DEFAULT	RST_PSP_056LUP	FN:69	PRODUCER	24-Nov-2007 13:46	3557.3 M	3521.2 M
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**Output DLIS Files**

DEFAULT	RST_PSP_056PUP	FN:71	PRODUCER	24-Nov-2007 13:48	3552.4 M	3526.8 M
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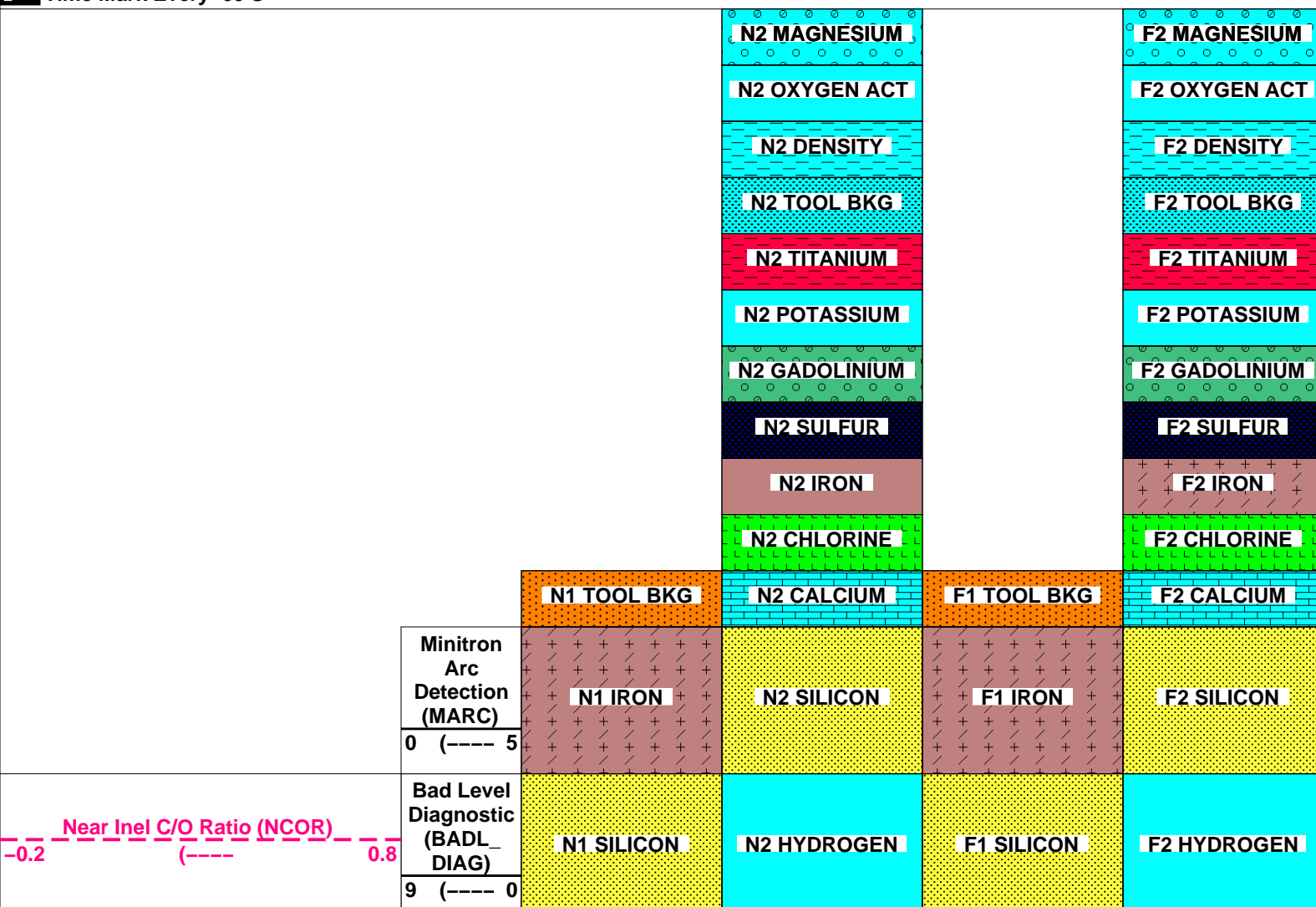
**OP System Version: 15C0-309**

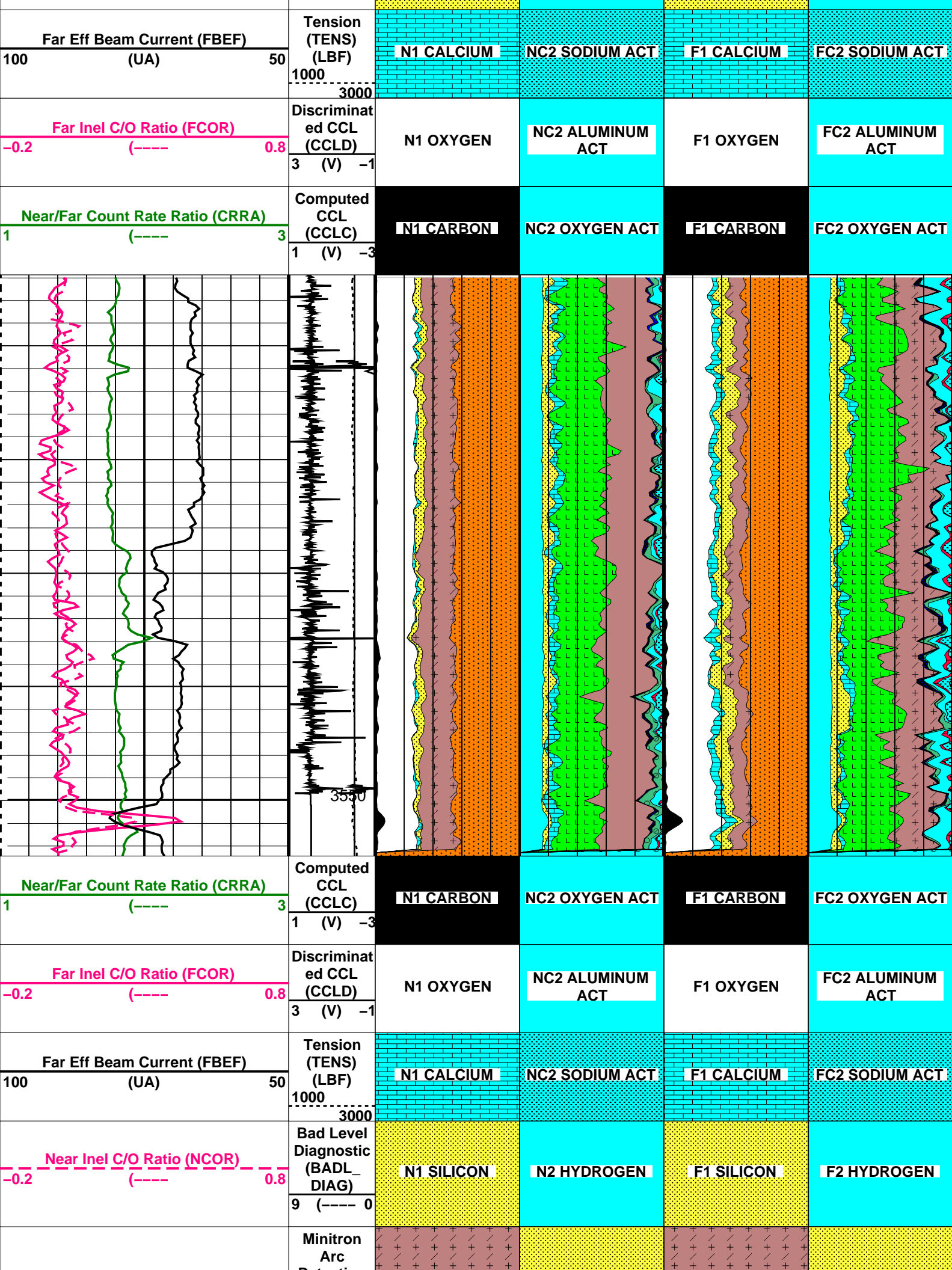
MCM

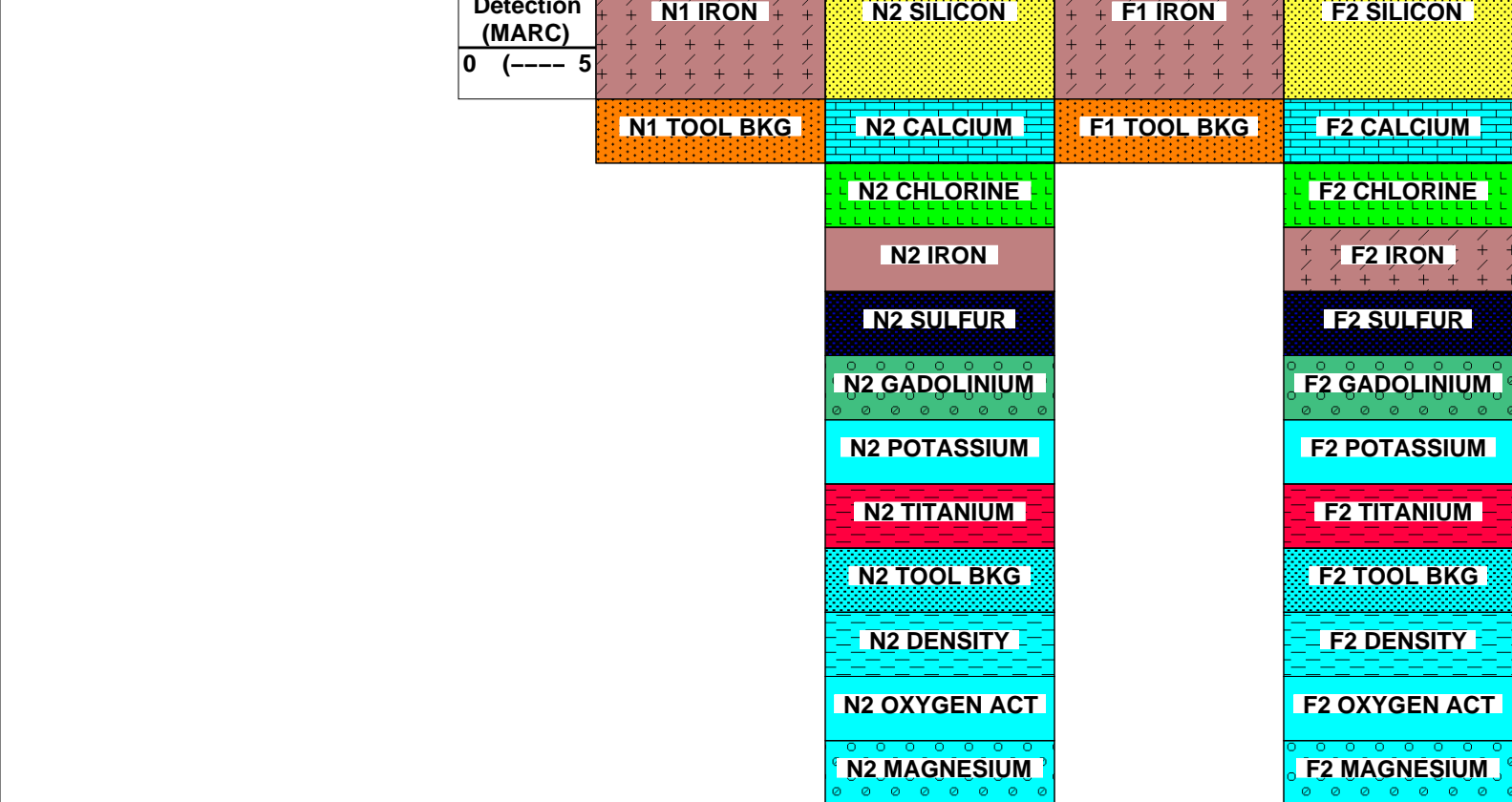
RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007
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**PIP SUMMARY**

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
RST-C: Reservoir Saturation Pro Tool C			
TIER_IC	RST IC Acquisition Mode	0_CO_Yield_and_Spectrolith	
DO	System and Miscellaneous		
PP	Depth Offset for Playback	0.1	M
	Playback Processing	NORMAL	

Format: RST\_YIELDS    Vertical Scale: 1:200    Graphics File Created: 24-Nov-2007 13:48

OP System Version: 15C0-309			
MCM			
RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007

Input DLIS Files					
DEFAULT	RST_PSP_056LUP	FN:69	PRODUCER	24-Nov-2007 13:46	3557.3 M    3521.2 M
Output DLIS Files					
DEFAULT	RST_PSP_056PUP	FN:71	PRODUCER	24-Nov-2007 13:48	



CO Mode Pass 3, 100ft/hr

MAXIS Field Log



# Input DLIS Files

DEFAULT RST\_PSP\_053LUP FN:60 PRODUCER 24-Nov-2007 12:43 3557.0 M 3521.7 M

# Output DLIS Files

DEFAULT RST\_PSP\_053PUP FN:70 PRODUCER 24-Nov-2007 12:47 3552.4 M 3526.8 M

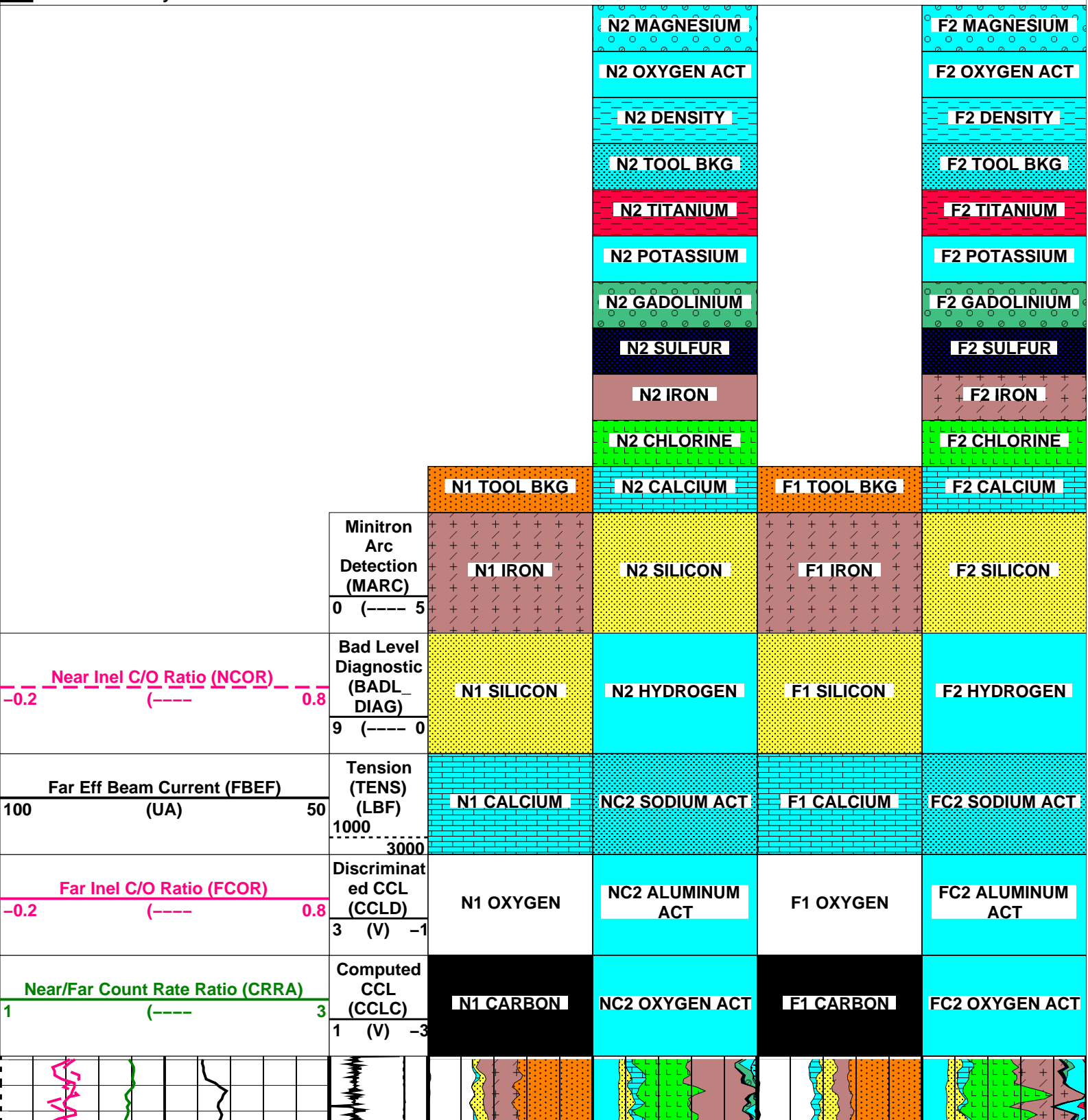
## OP System Version: 15C0-309

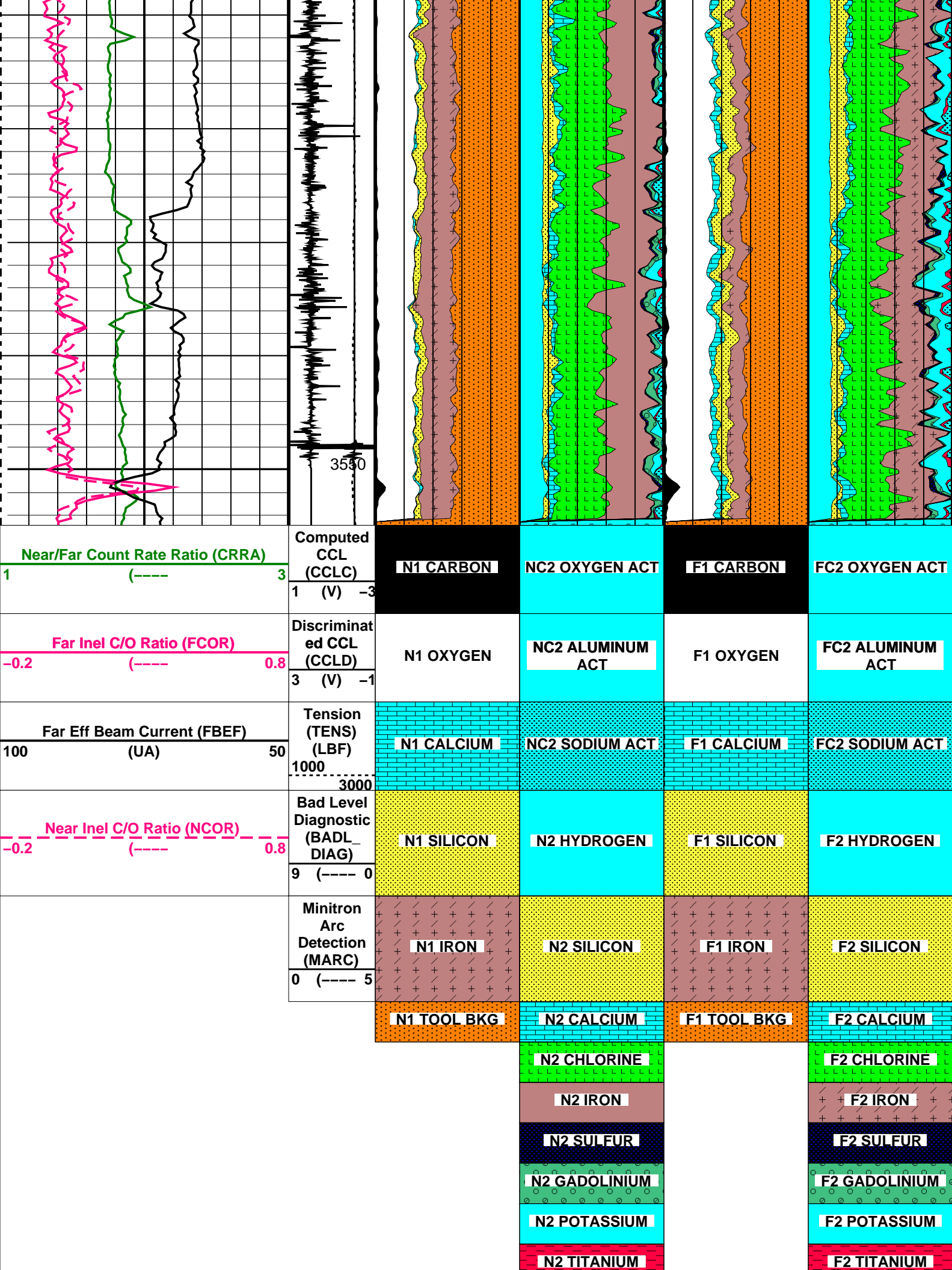
MCM

RST-C SRPC-3474-Q4\_2007 PSPT-B SRPC-3474-Q4\_2007

### PIP SUMMARY

Time Mark Every 60 S





	N2 TOOL BKG		F2 TOOL BKG
	N2 DENSITY		F2 DENSITY
	N2 OXYGEN ACT		F2 OXYGEN ACT
	N2 MAGNESIUM		F2 MAGNESIUM

PIP SUMMARY			
Time Mark Every 60 S			

Parameters			
DLIS Name	Description	Value	
RST-C: Reservoir Saturation Pro Tool C			
TIER_IC	RST IC Acquisition Mode	0_CO_Yield_and_Spectrolith	
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	
Format: RST_YIELDS		Vertical Scale: 1:200	
		Graphics File Created: 24-Nov-2007 12:47	

OP System Version: 15C0-309			
MCM			
RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007
Input DLIS Files			
DEFAULT	RST_PSP_053LUP	FN:60	PRODUCER 24-Nov-2007 12:43 3557.0 M 3521.7 M
Output DLIS Files			
DEFAULT	RST_PSP_053PUP	FN:70	PRODUCER 24-Nov-2007 12:47

Schlumberger

CO Mode Pass 2, 100ft/hr

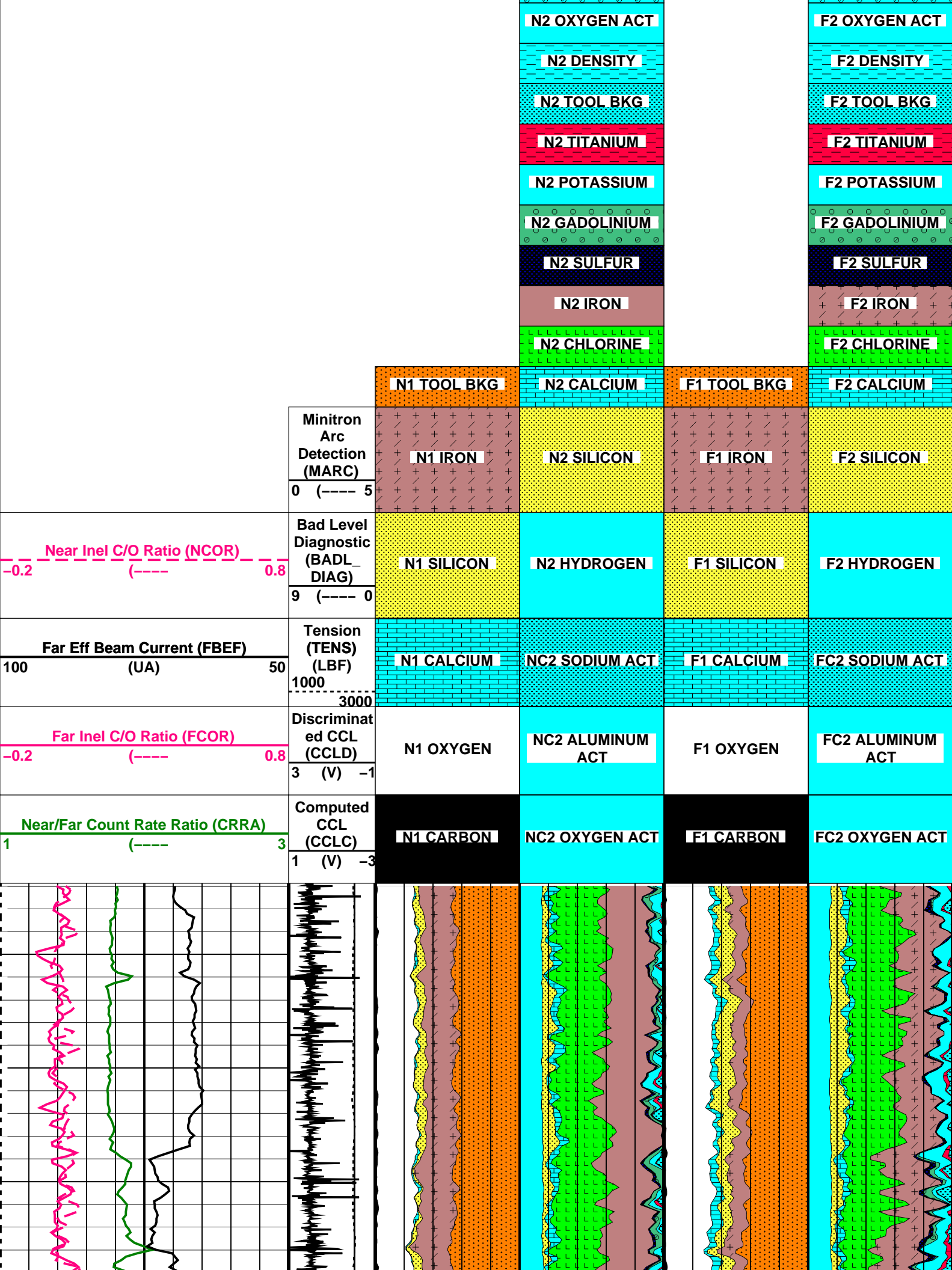
MAXIS Field Log

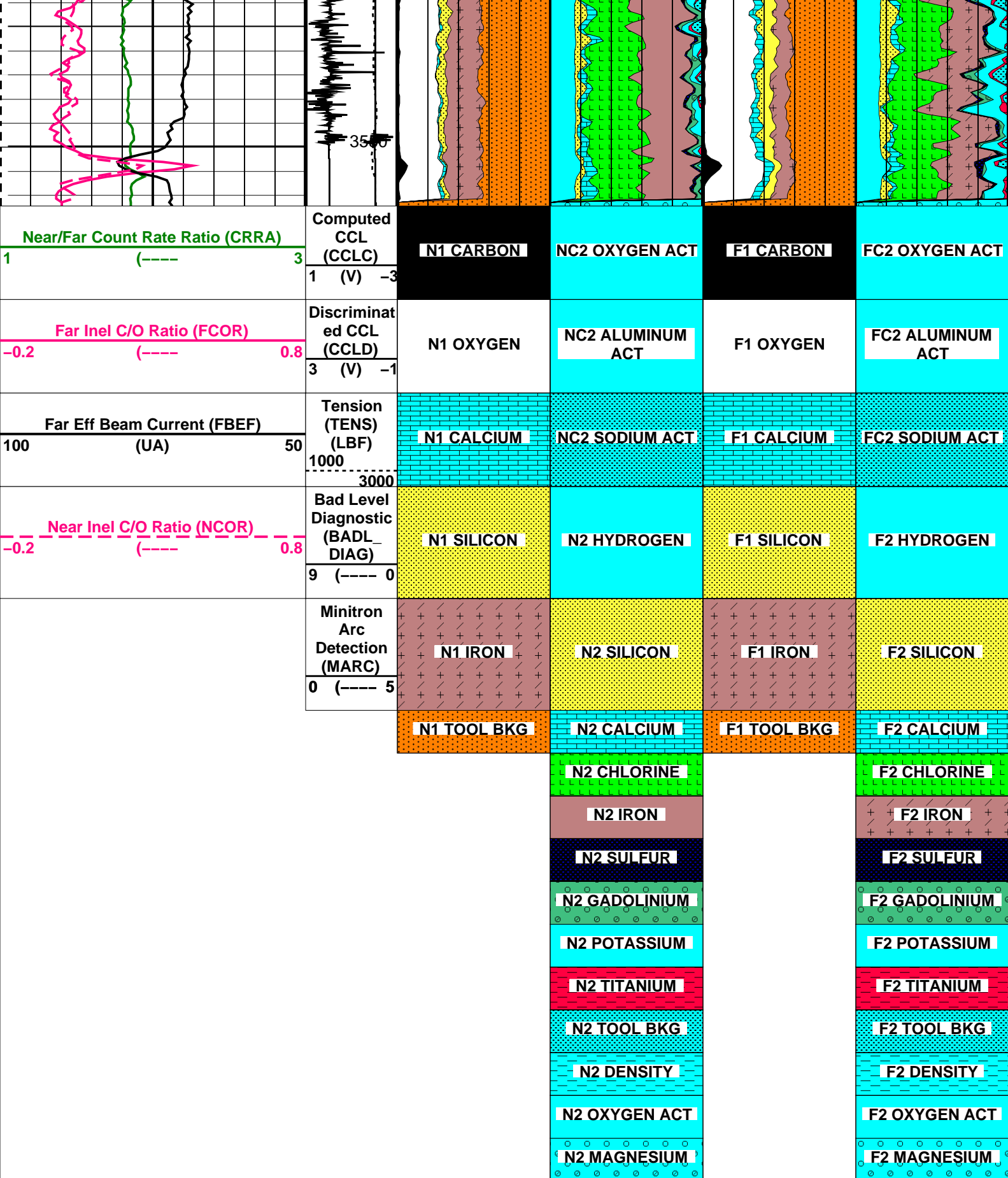
Company: Esso Australia Pty Ltd			Well: CBA F4
Input DLIS Files			
DEFAULT	RST_PSP_052LUP	FN:57	PRODUCER 24-Nov-2007 11:42 3557.6 M 3521.4 M
Output DLIS Files			
DEFAULT	RST_PSP_052PUP	FN:62	PRODUCER 24-Nov-2007 11:48 3552.4 M 3526.8 M
OP System Version: 15C0-309			
MCM			
RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007

PIP SUMMARY			
Time Mark Every 60 S			

	N2 MAGNESIUM		F2 MAGNESIUM
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PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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RST-C: Reservoir Saturation Pro Tool C		
TIER IC	RST IC Acquisition Mode	0 CO Yield and Spectrolith

OP System Version: 15C0-309						
MCM						
RST-C	SRPC-3474-Q4_2007	PSPT-B		SRPC-3474-Q4_2007		
Input DLIS Files						
DEFAULT	RST_PSP_052LUP	FN:57	PRODUCER	24-Nov-2007 11:42	3557.6 M	3521.4 M
Output DLIS Files						
DEFAULT	RST_PSP_052PUP	FN:62	PRODUCER	24-Nov-2007 11:48		

Schlumberger

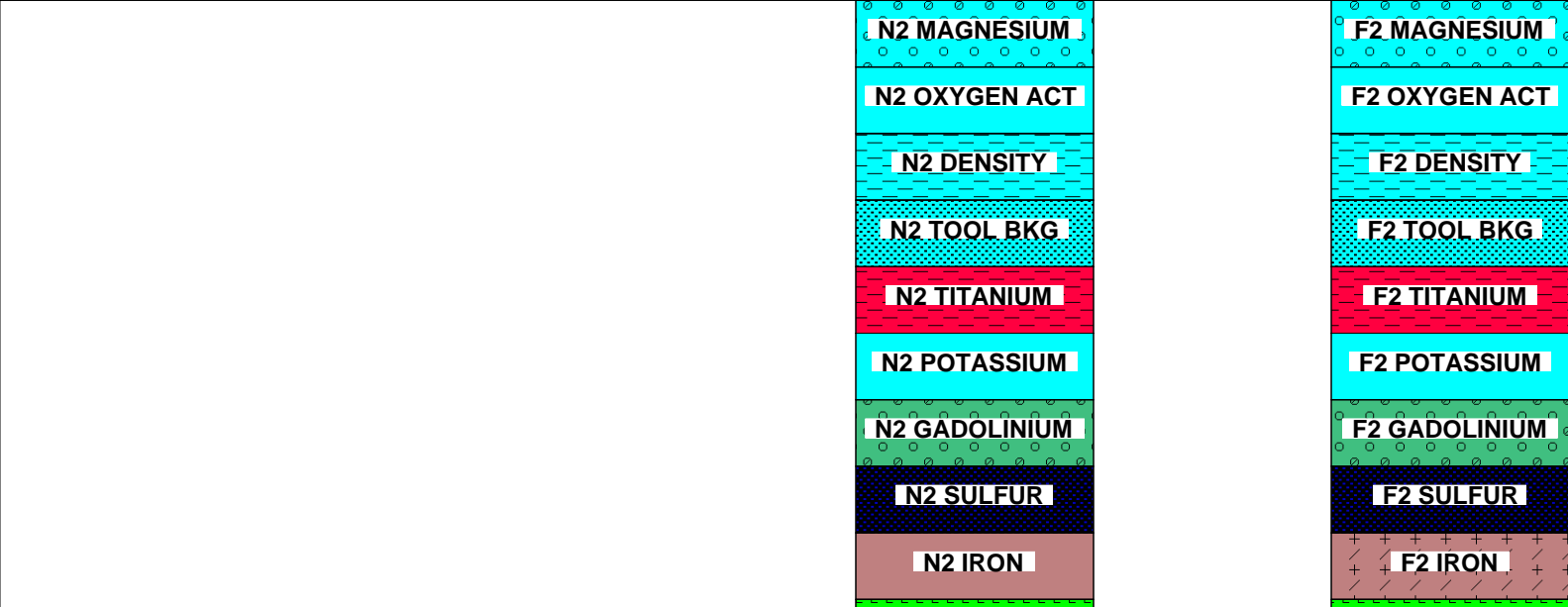
CO Mode Pass 1, 100ft/hr

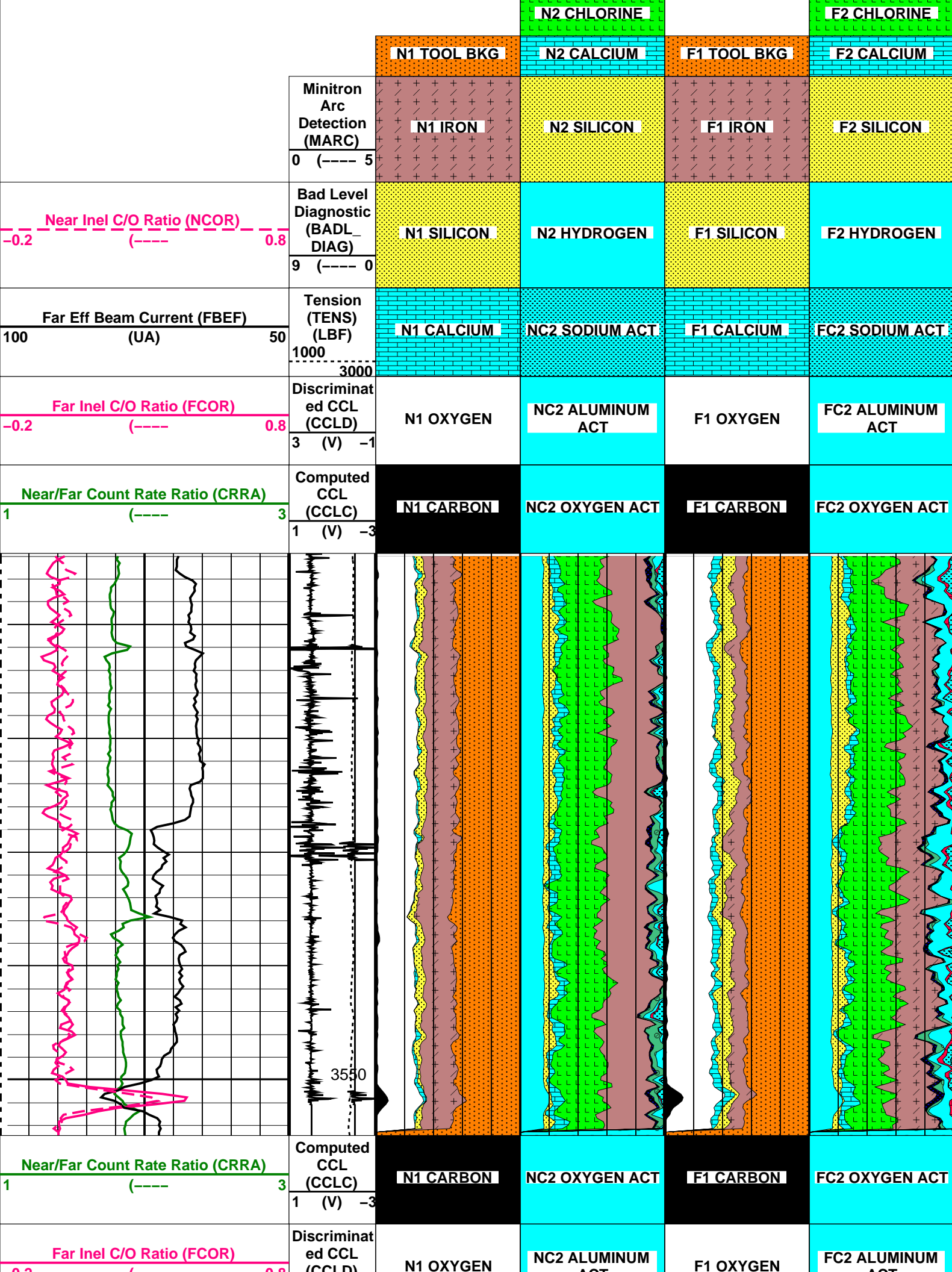
MAXIS Field Log

Input DLIS Files						
DEFAULT	RST_PSP_051LUP	FN:55	PRODUCER	24-Nov-2007 10:48	3560.4 M	3521.2 M
Output DLIS Files						
DEFAULT	RST_PSP_051PUP	FN:59	PRODUCER	24-Nov-2007 10:54	3552.4 M	3526.8 M
OP System Version: 15C0-309						
MCM						
RST-C	SRPC-3474-Q4_2007	PSPT-B		SRPC-3474-Q4_2007		

PIP SUMMARY

Time Mark Every 60 S





0.2 (-----)	0.8 (-----)	3 (V) -1		ACT		ACT
Far Eff Beam Current (FBEF)		Tension (TENS) (LBF)	N1 CALCIUM	NC2 SODIUM ACT	F1 CALCIUM	FC2 SODIUM ACT
100 (UA)	50	1000 ----- 3000				
Near Inel C/O Ratio (NCOR)		Bad Level Diagnostic (BADL_	N1 SILICON	N2 HYDROGEN	F1 SILICON	F2 HYDROGEN
-0.2 (-----)	0.8 (-----)	9 (-----) 0				
		Minitron Arc Detection (MARC)	N1 IRON	N2 SILICON	F1 IRON	F2 SILICON
		0 (-----) 5				
			N1 TOOL BKG	N2 CALCIUM	F1 TOOL BKG	F2 CALCIUM
				N2 CHLORINE		F2 CHLORINE
				N2 IRON		F2 IRON
				N2 SULFUR		F2 SULFUR
				N2 GADOLINIUM		F2 GADOLINIUM
				N2 POTASSIUM		F2 POTASSIUM
				N2 TITANIUM		F2 TITANIUM
				N2 TOOL BKG		F2 TOOL BKG
				N2 DENSITY		F2 DENSITY
				N2 OXYGEN ACT		F2 OXYGEN ACT
				N2 MAGNESIUM		F2 MAGNESIUM

PIP SUMMARY

Time Mark Every 60 S

Parameters						
DLIS Name		Description			Value	
RST-C: Reservoir Saturation Pro Tool C						
TIER_IC	RST IC Acquisition Mode			0_CO_Yield_and_Spectrolith		
System and Miscellaneous						
DO	Depth Offset for Playback			0.3 M		
PP	Playback Processing			NORMAL		
Format: RST_YIELDS		Vertical Scale: 1:200		Graphics File Created: 24-Nov-2007 10:54		
OP System Version: 15C0-309						
MCM						
RST-C	SRPC-3474-Q4_2007		PSPT-B		SRPC-3474-Q4_2007	
Input DLIS Files						
DEFAULT	RST_PSP_051LUP	FN:55	PRODUCER	24-Nov-2007 10:48	3560.4 M	3521.2 M
Output DLIS Files						
DEFAULT	RST_PSP_051PUP	FN:59	PRODUCER	24-Nov-2007 10:54		

Company: Esso Australia Pty Ltd

Well: CBA F4

## Input DLIS Files

DEFAULT	RST_PSP_049PUP	FN:54	PRODUCER	24-Nov-2007 08:56	3582.2 M	3430.4 M
DEFAULT	RST_PSP_050PUP	FN:55	PRODUCER	24-Nov-2007 09:38	3582.5 M	3430.4 M

## Output DLIS Files

DEFAULT	RST_PSP_051PUP	FN:56	PRODUCER	24-Nov-2007 09:48	3582.2 M	3430.8 M
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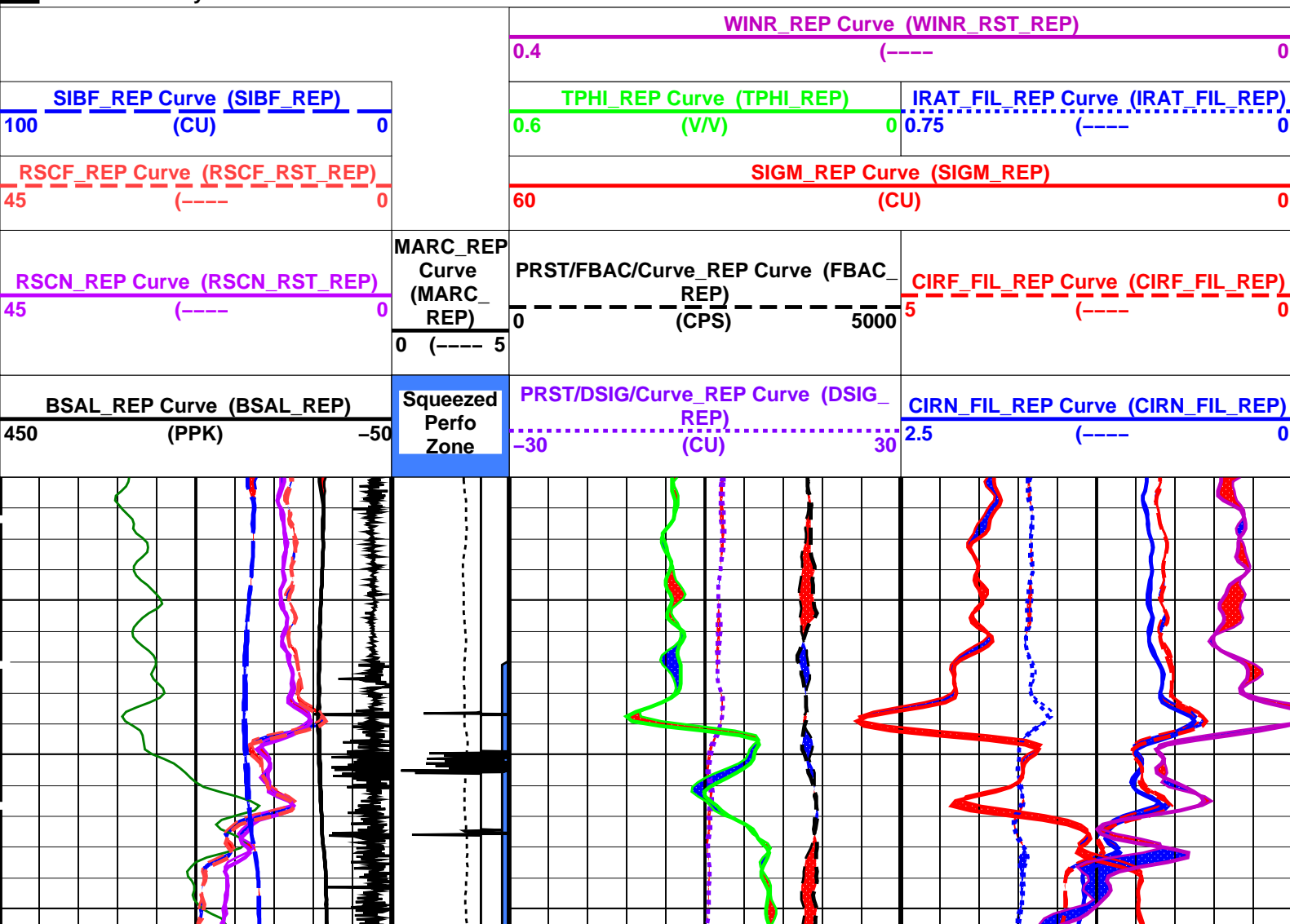
## OP System Version: 15C0-309

MCM

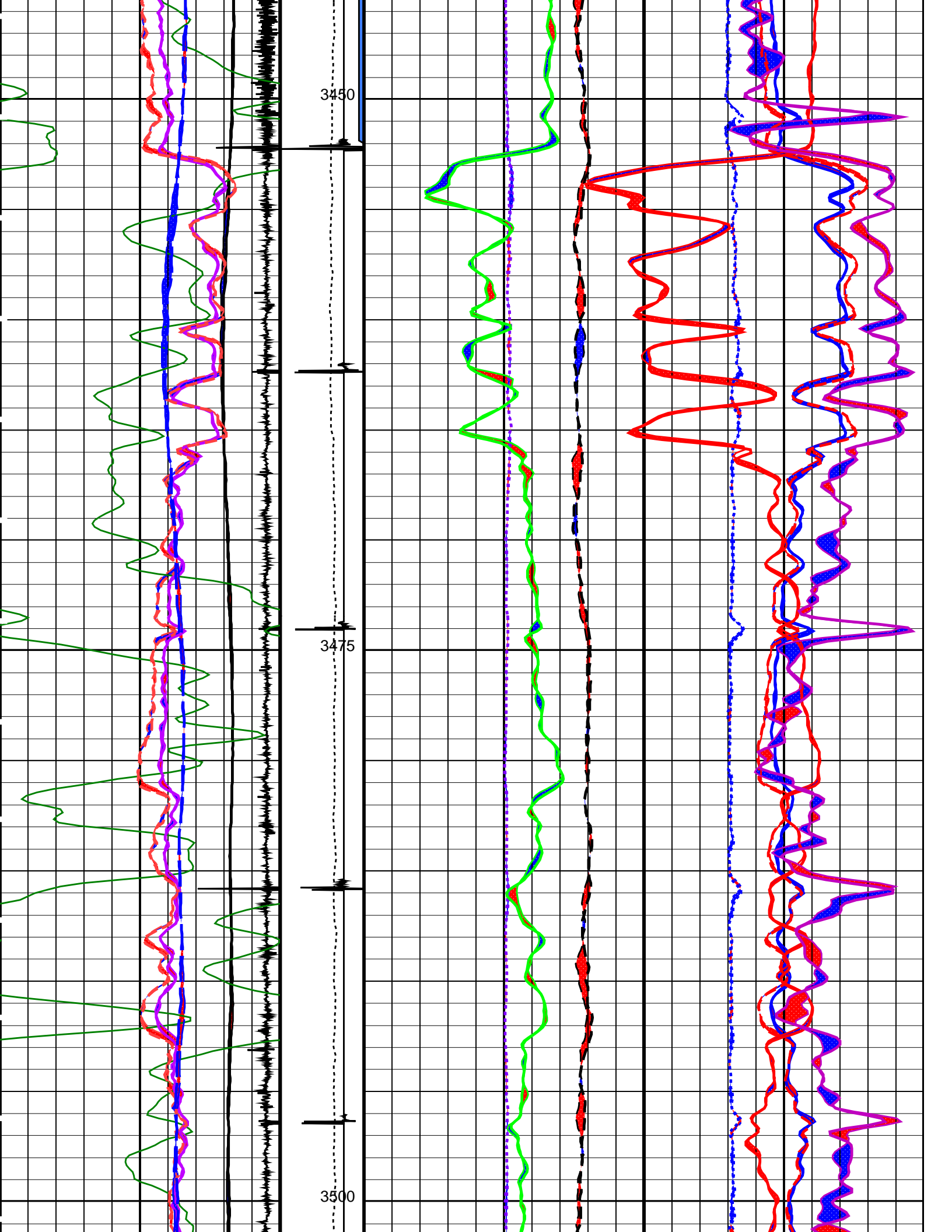
RST-C      SRPC-3474-Q4\_2007      PSPT-B      SRPC-3474-Q4\_2007

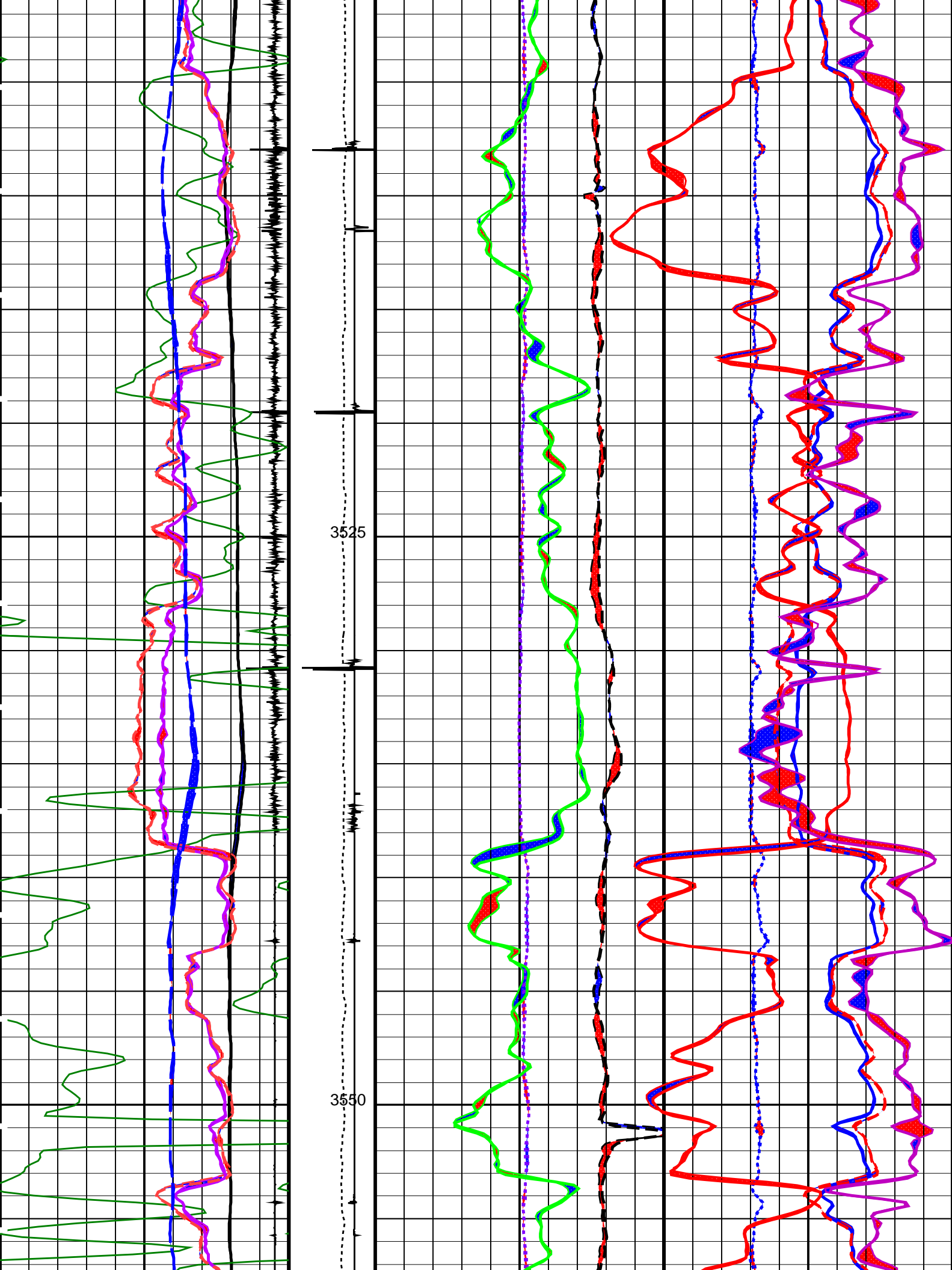
## PIP SUMMARY

Time Mark Every 60 S

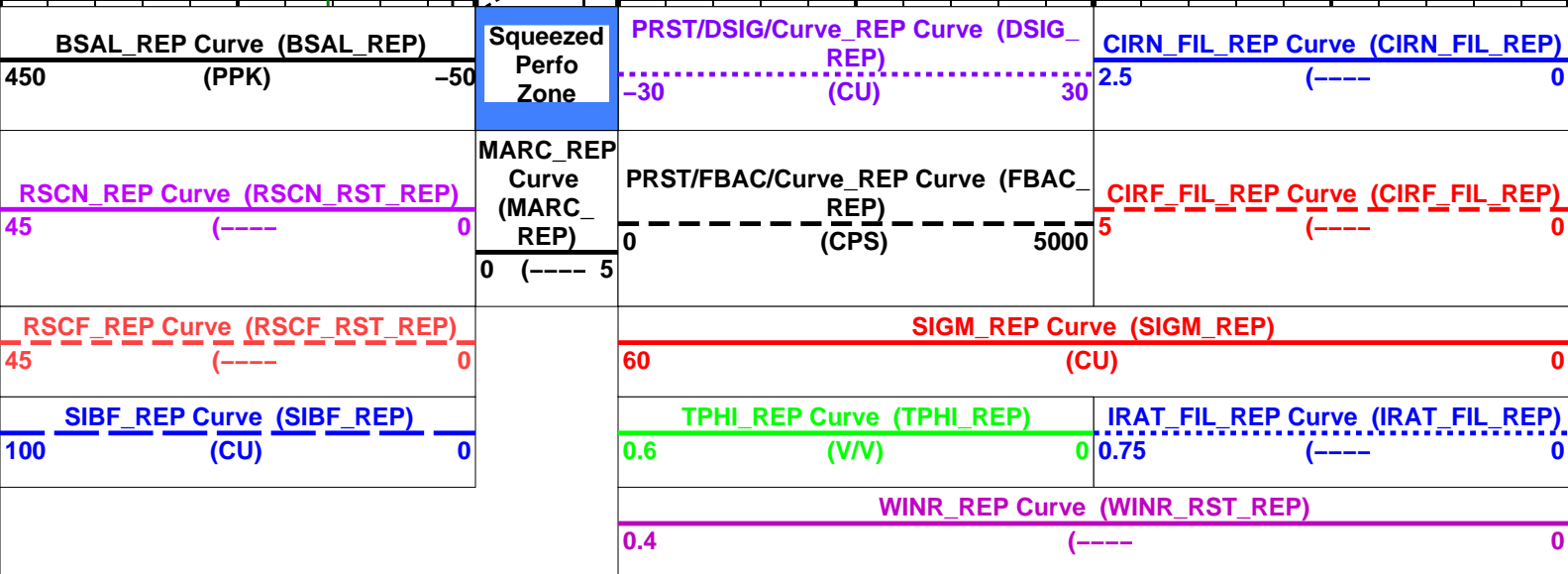
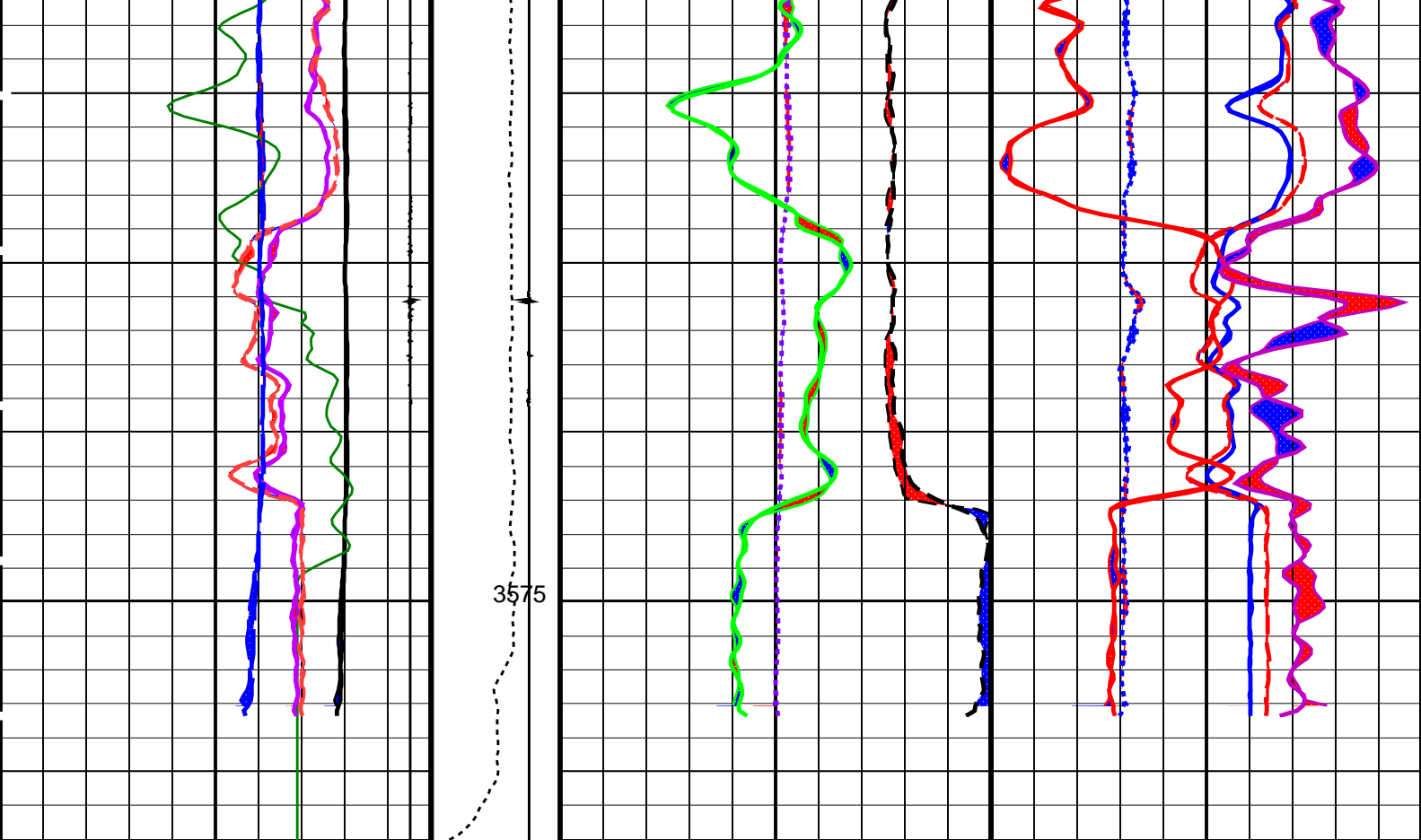












PIP SUMMARY

Time Mark Every 60 S

Format: RST\_SIG\_ANSW\_REP Vertical Scale: 1:200

Graphics File Created: 24-Nov-2007 09:48

OP System Version: 15C0-309  
MCM

RST-C SRPC-3474-Q4\_2007 PSPT-B SRPC-3474-Q4\_2007

Input DLIS Files

DEFAULT	RST_PSP_049PUP	FN:54	PRODUCER	24-Nov-2007 08:56	3582.2 M	3430.4 M
DEFAULT	RST_PSP_050PUP	FN:55	PRODUCER	24-Nov-2007 09:38	3582.5 M	3430.4 M

Output DLIS Files

DEFAULT	RST_PSP_051PUP	FN:56	PRODUCER	24-Nov-2007 09:48
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Company: Esso Australia Pty Ltd

Well: CBA F4

## Input DLIS Files

DEFAULT	RST_PSP_050LUP	FN:54	PRODUCER	24-Nov-2007 09:34	3581.7 M	3420.0 M
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## Output DLIS Files

DEFAULT	RST_PSP_050PUP	FN:55	PRODUCER	24-Nov-2007 09:38	3582.5 M	3430.4 M
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## OP System Version: 15C0-309

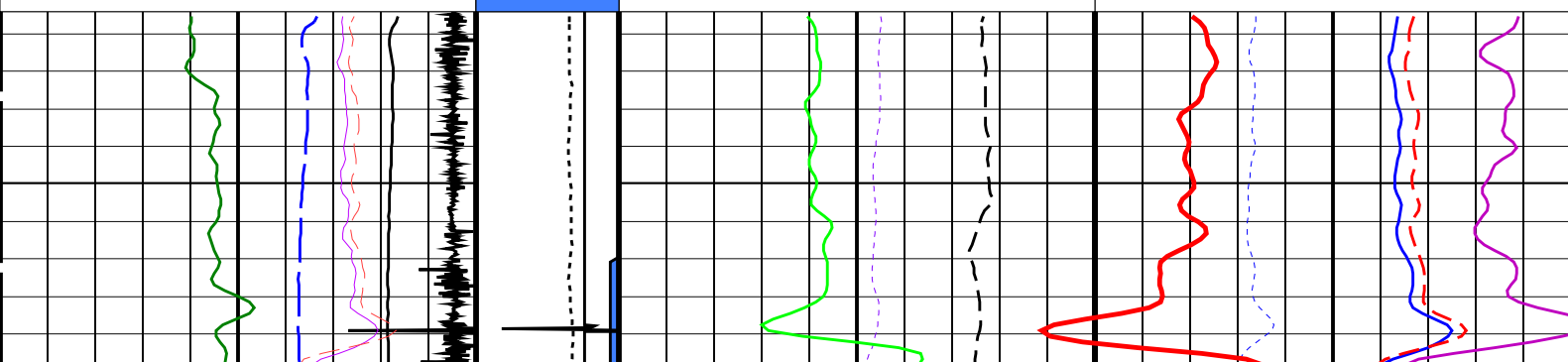
MCM

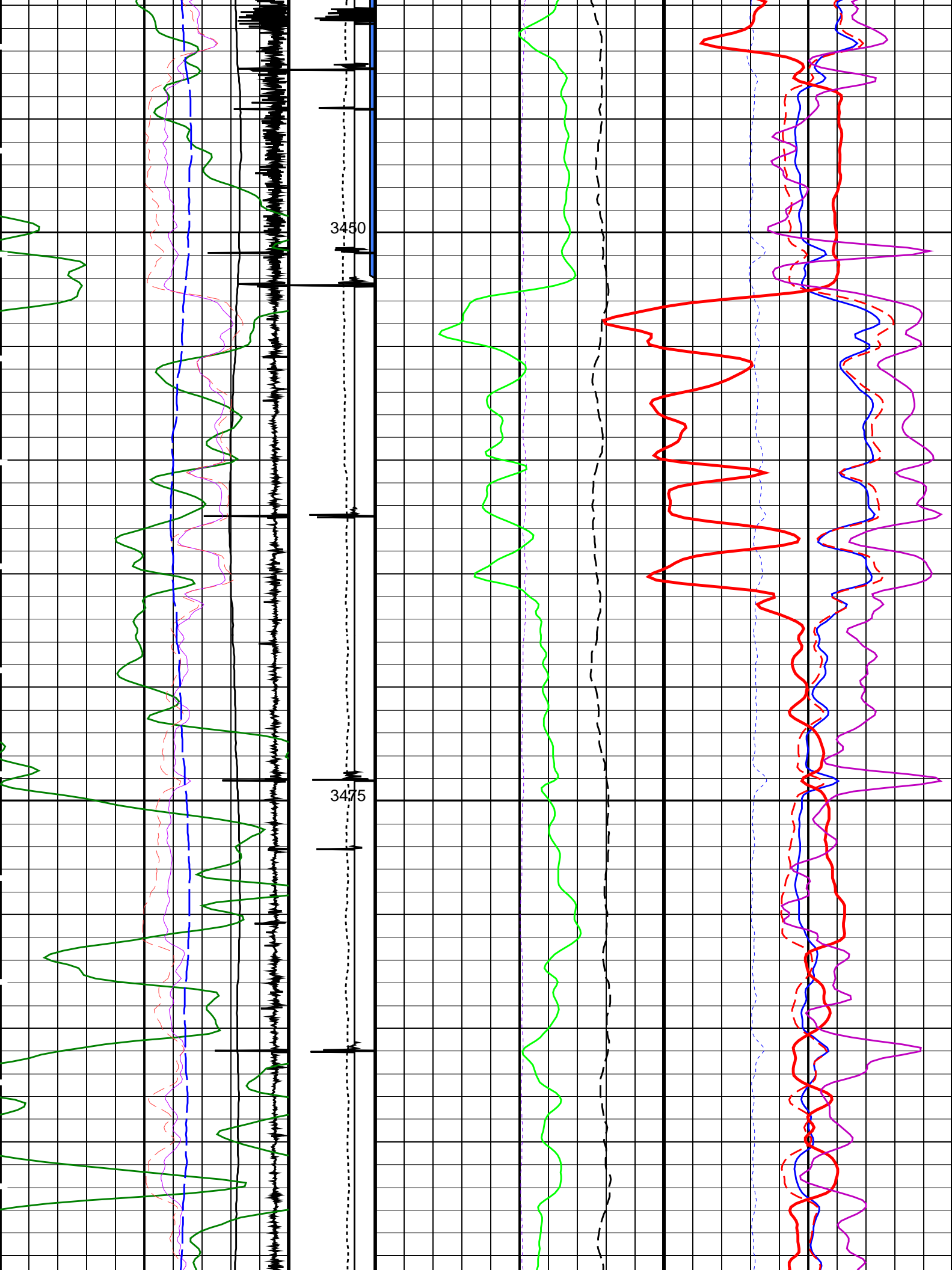
RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007
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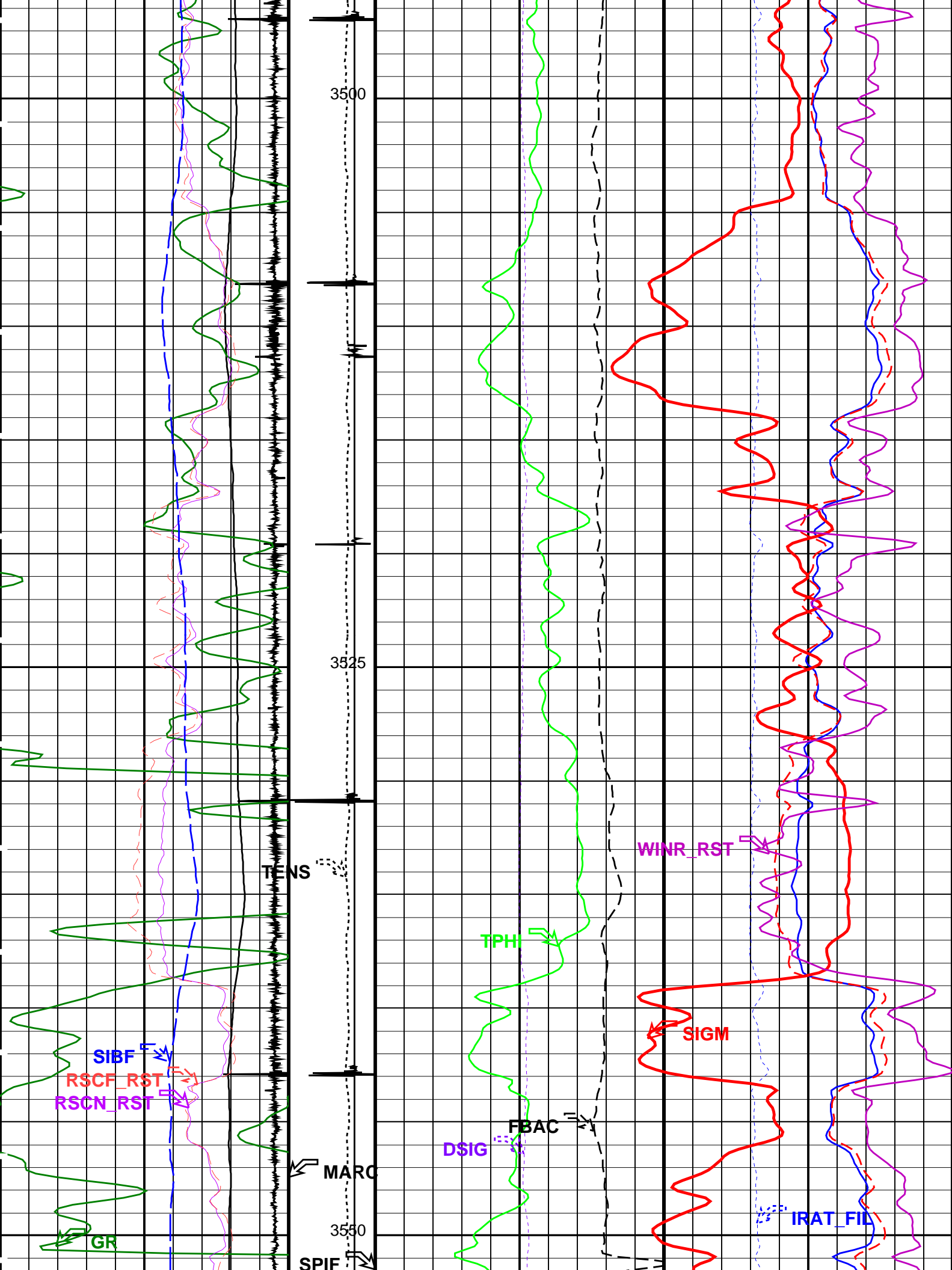
## PIP SUMMARY

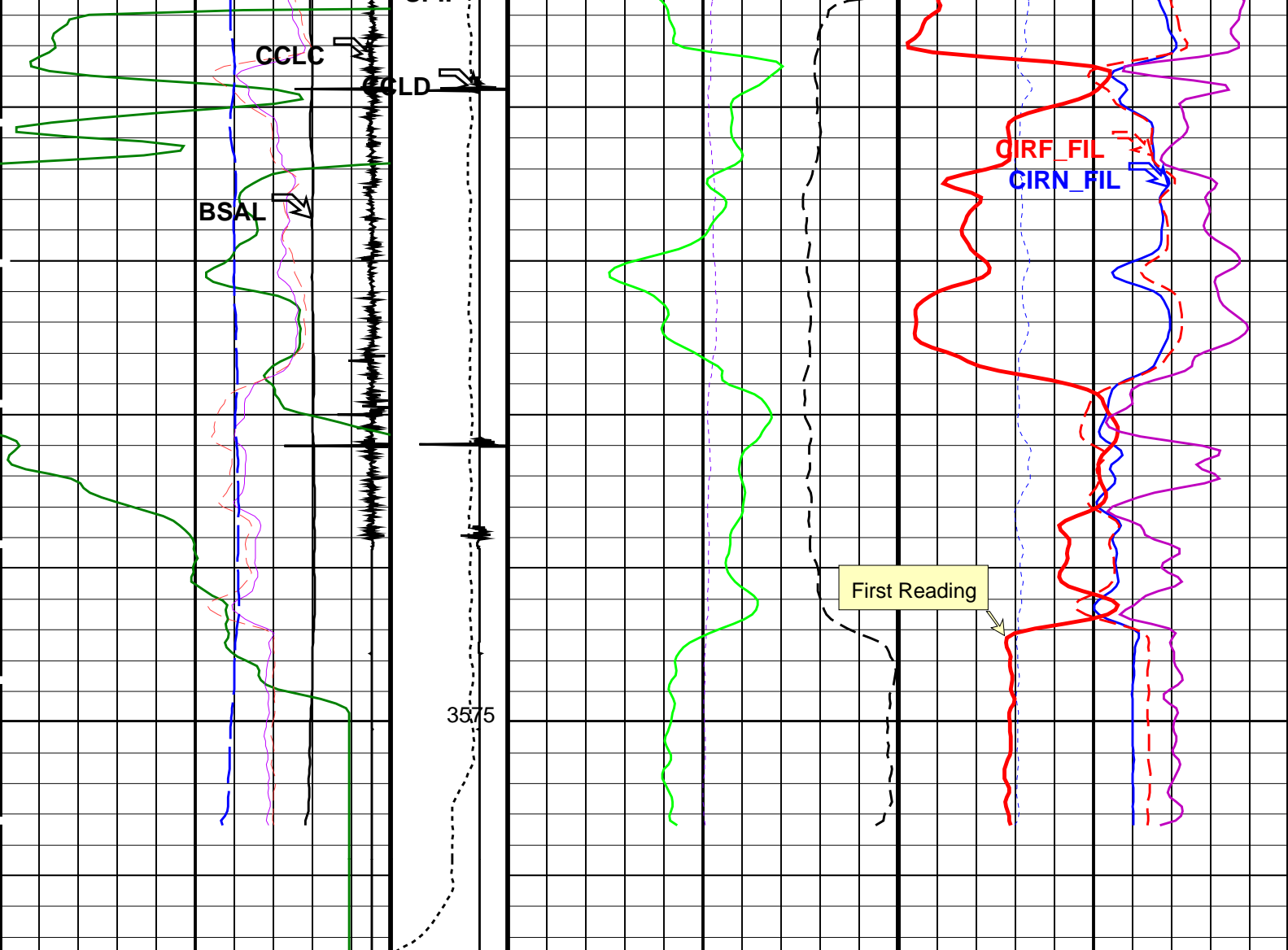
Time Mark Every 60 S

RST Far Effective Capture CR (RSCF_RST)		RST Weighted Inelastic Ratio (WINR_RST)	
45	(----) 0	0.4	(----) 0
RST Near Effective Capture CR (RSCN_RST)			
45	(----) 0		
RST Sigma Borehole Fluid (SIBF)	Minitron Arc Detection (MARC)	RST Porosity (TPHI)	RST Inelastic Ratio (IRAT_FIL)
100 (CU)		0.6 (V/V)	0.75 (----) 0
	0 (----) 5		
Gamma Ray (GR)	Tension (TENS) (LBF)	RST Sigma (SIGM)	
0 (GAPI) 150		60 (CU)	0
	1000		
	3000		
Computed CCL (CCLC)	Discriminated CCL (CCLD)	MCS Far Background (filtered) (FBAC)	RST Capture to Inelastic Ratio Far (CIRF_FIL)
-19 (V) 1		0 (CPS) 5000	5 (----) 0
	3 (V) -1		
RST Borehole Salinity (BSAL)	Squeezed Perfo Zone	RST Sigma Difference (DSIG)	RST Capture to Inelastic Ratio Near (CIRN_FIL)
450 (PPK) -50		-30 (CU) 30	2.5 (----) 0









RST Borehole Salinity (BSAL) (PPK)	Squeezed Perfo Zone	RST Sigma Difference (DSIG) (CU)	RST Capture to Inelastic Ratio Near (CIRN_FIL)
450 -50		-30 30	2.5 0
Computed CCL (CCLC) (V)	Discriminat ed CCL (CCLD) (V)	MCS Far Background (filtered) (FBAC) (CPS)	RST Capture to Inelastic Ratio Far (CIRF_FIL)
-19 1	3 -1	0 5000	5 0
Gamma Ray (GR) (GAPI)	Tension (TENS) (LBF)	RST Sigma (SIGM) (CU)	
0 150	1000 3000	60 0	
RST Sigma Borehole Fluid (SIBF) (CU)	Minitron Arc Detection (MARC)	RST Porosity (TPHI) (V/V)	RST Inelastic Ratio (IRAT_FIL)
100 0	0 5	0.6 0	0.75 0
RST Near Effective Capture CR (RSCN_RST)	RST Weighted Inelastic Ratio (WINR_RST)		
45 0	0.4 0		
RST Far Effective Capture CR (RSCF_RST)			
45 0			

# PIP SUMMARY

Time Mark Every 60 S

Format: RST\_SIG\_ANSW Vertical Scale: 1:200

Graphics File Created: 24-Nov-2007 09:38

RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007
Input DLIS Files			
DEFAULT	RST_PSP_050LUP	FN:54 PRODUCER	24-Nov-2007 09:34 3581.7 M 3420.0 M
Output DLIS Files			
DEFAULT	RST_PSP_050PUP	FN:55 PRODUCER	24-Nov-2007 09:38

Schlumberger

Sigma Pass 1, 900ft/hr

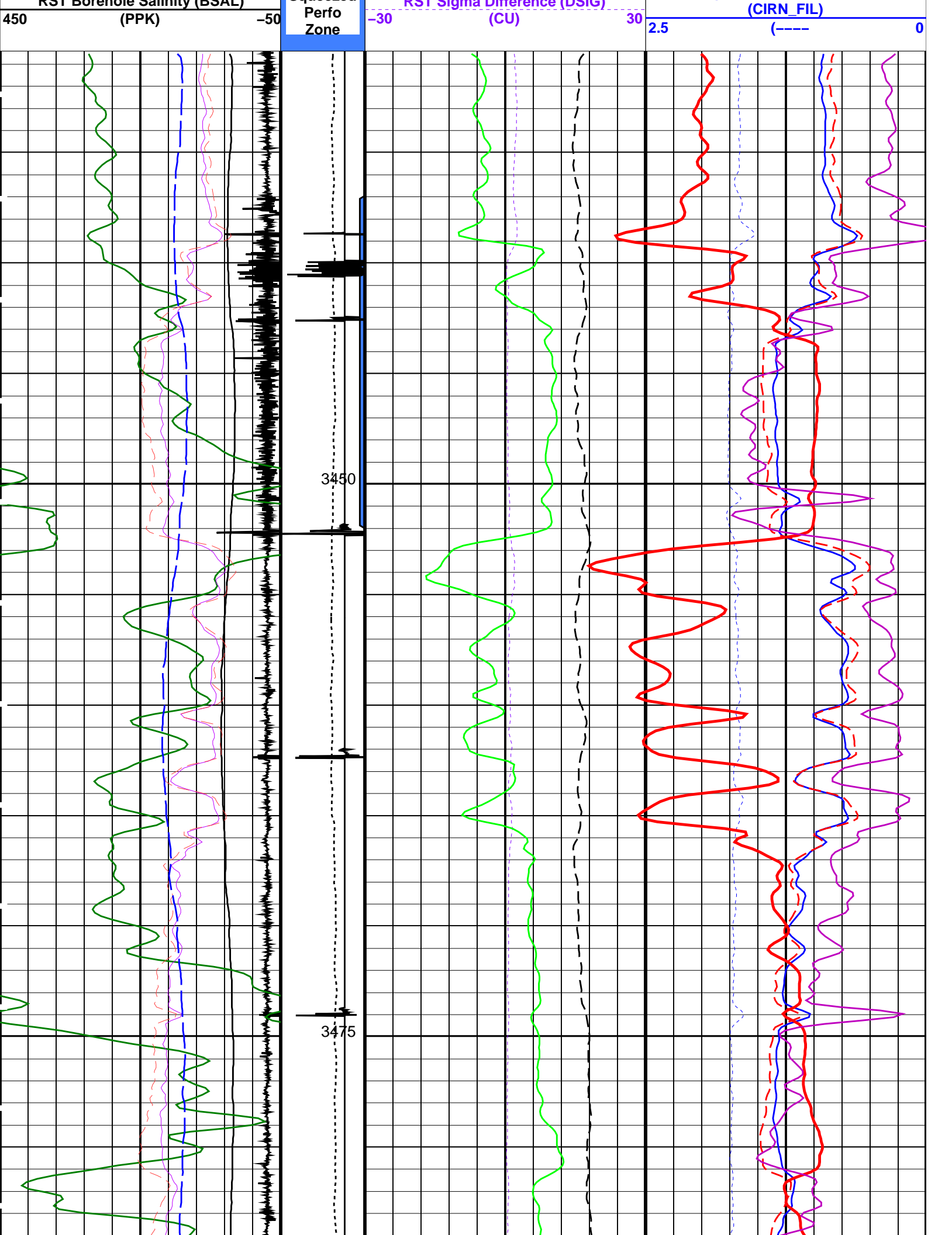
MAXIS Field Log

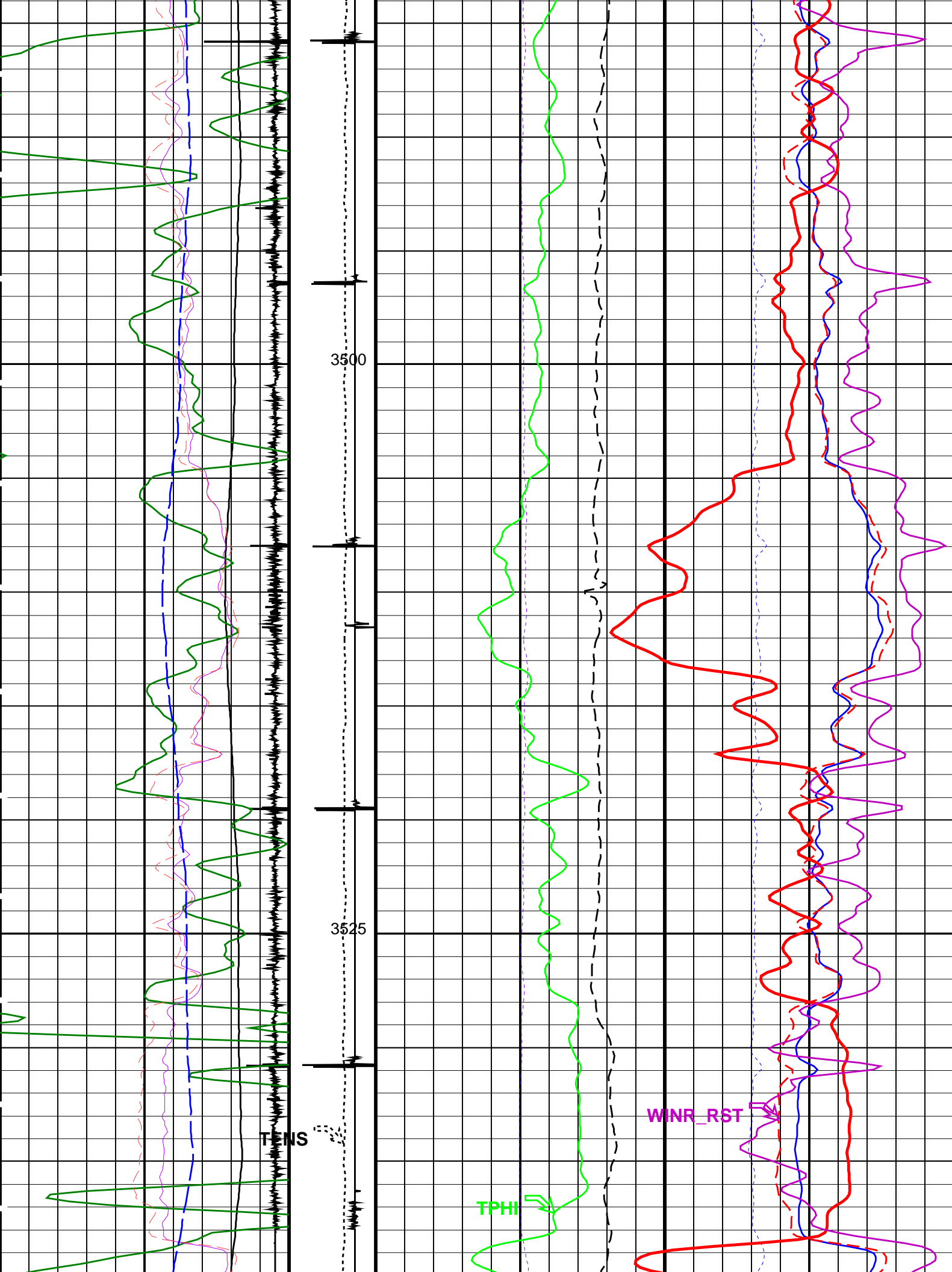
Company: Esso Australia Pty Ltd						Well: CBA F4
Input DLIS Files						
DEFAULT	RST_PSP_049LUP	FN:58	PRODUCER	24-Nov-2007 08:50	3577.9 M	3419.4 M
Output DLIS Files						
DEFAULT	RST_PSP_049PUP	FN:54	PRODUCER	24-Nov-2007 08:56	3582.2 M	3430.4 M

RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007
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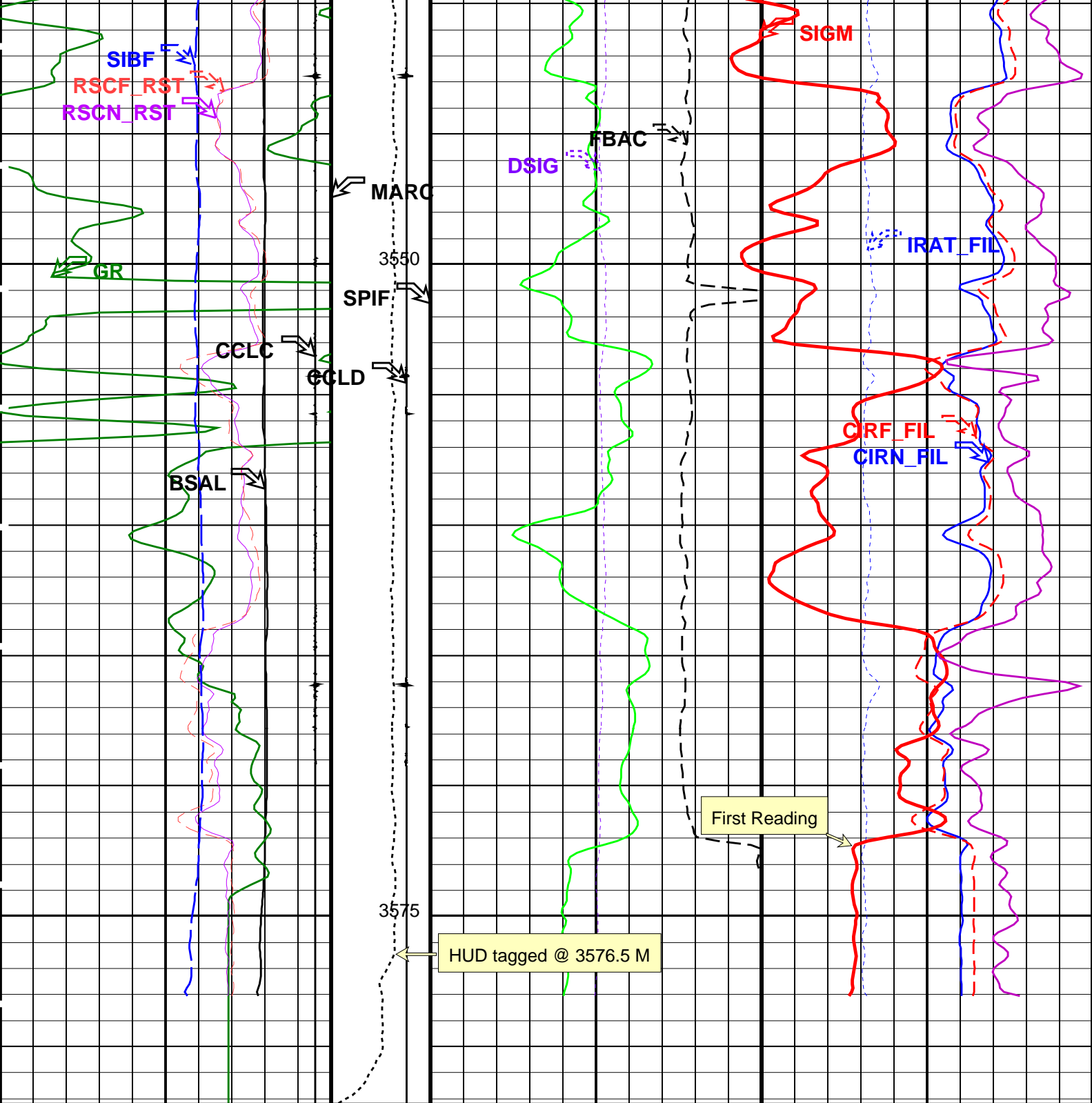
PIP SUMMARY

Time Mark Every 60 S			
RST Far Effective Capture CR (RSCF_RST)			
45	(-----) 0		
RST Near Effective Capture CR (RSCN_RST)		RST Weighted Inelastic Ratio (WINR_RST)	
45	(-----) 0	0.4	(-----) 0
RST Sigma Borehole Fluid (SIBF)		Minitron Arc Detection (MARC)	RST Porosity (TPHI)
100	(CU) 0		
		0 (----) 5	0.75 (----) 0
Gamma Ray (GR)		RST Sigma (SIGM)	
0	(GAPI) 150	60	(CU) 0
		1000	
		3000	
Computed CCL (CCLC)		RST Capture to Inelastic Ratio Far	
-19	(V) 1	MCS Far Background (filtered) (FBAC)	(CIRF_FIL)
		0 (CPS) 5000	(-----) 0
		3 (V) -1	
RST Borehole Salinity (BSAL)		Squeezed	RST Capture to Inelastic Ratio Near
		RST Sigma Difference (DSIG)	









RST Borehole Salinity (BSAL) (PPK)	Squeezed Perfo Zone	RST Sigma Difference (DSIG) (CU)	RST Capture to Inelastic Ratio Near (CIRN_FIL)
450 -50		-30 30	2.5 0
Computed CCL (CCLC) (V)	Discriminat ed CCL (CCLD) (V)	MCS Far Background (filtered) (FBAC) (CPS)	RST Capture to Inelastic Ratio Far (CRF_FIL)
-19 1	3 -1	0 5000	5 0
Gamma Ray (GR) (GAPI)	Tension (TENS) (LBF)	RST Sigma (SIGM) (CU)	
0 150	1000 3000	60 0	
RST Sigma Borehole Fluid (SIBF) (CU)	Minitron Arc Detection	RST Porosity (TPHI) (V/V)	RST Inelastic Ratio (IRAT_FIL)
100 0		0.6 0.75	0 0

(CU)	0	(MARC)	0.6	(V/V)	0.75	(----	0
RST Near Effective Capture CR (RSCN_RST)	0			RST Weighted Inelastic Ratio (WINR_RST)			0
45	(----	0	0.4	(----			0
RST Far Effective Capture CR (RSCF_RST)							
45	(----	0					

	PIP SUMMARY
Time Mark Every 60 S	

Parameters			
DLIS Name	Description	Value	
RST-C: Reservoir Saturation Pro Tool C			
AIRB	RST Air Borehole	No	
BHS	Borehole Status	CASED	
BSALOPT	RST Borehole Salinity Option	Unknown	
BSFL	RST Borehole Salinity Filter Length	51	
DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	CU
RGAI	Near/Far Gain Calibration Ratio	1	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
PSPT-B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
System and Miscellaneous			
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	7.625	IN
CWEI	Casing Weight	29.70	LB/F
DO	Depth Offset for Playback	4.2	M
PP	Playback Processing	NORMAL	

Format: RST_SIG_ANSW	Vertical Scale: 1:200	Graphics File Created: 24-Nov-2007 08:57
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OP System Version: 15C0-309			
MCM			
RST-C	SRPC-3474-Q4_2007	PSPT-B	SRPC-3474-Q4_2007

Input DLIS Files						
DEFAULT	RST_PSP_049LUP	FN:58	PRODUCER	24-Nov-2007 08:50	3577.9 M	3419.4 M
Output DLIS Files						
DEFAULT	RST_PSP_049PUP	FN:54	PRODUCER	24-Nov-2007 08:56		

Schlumberger

Correlation Pass

Gamma Ray Baseline

MAXIS Field Log

Company: Esso Australia Pty Ltd	Well: CBA F4
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Input DLIS Files						
DEFAULT	RST PSP 040LUP	FN:37	PRODUCER	24-Nov-2007 02:54	3578.7 M	3387.1 M

Output DLIS Files

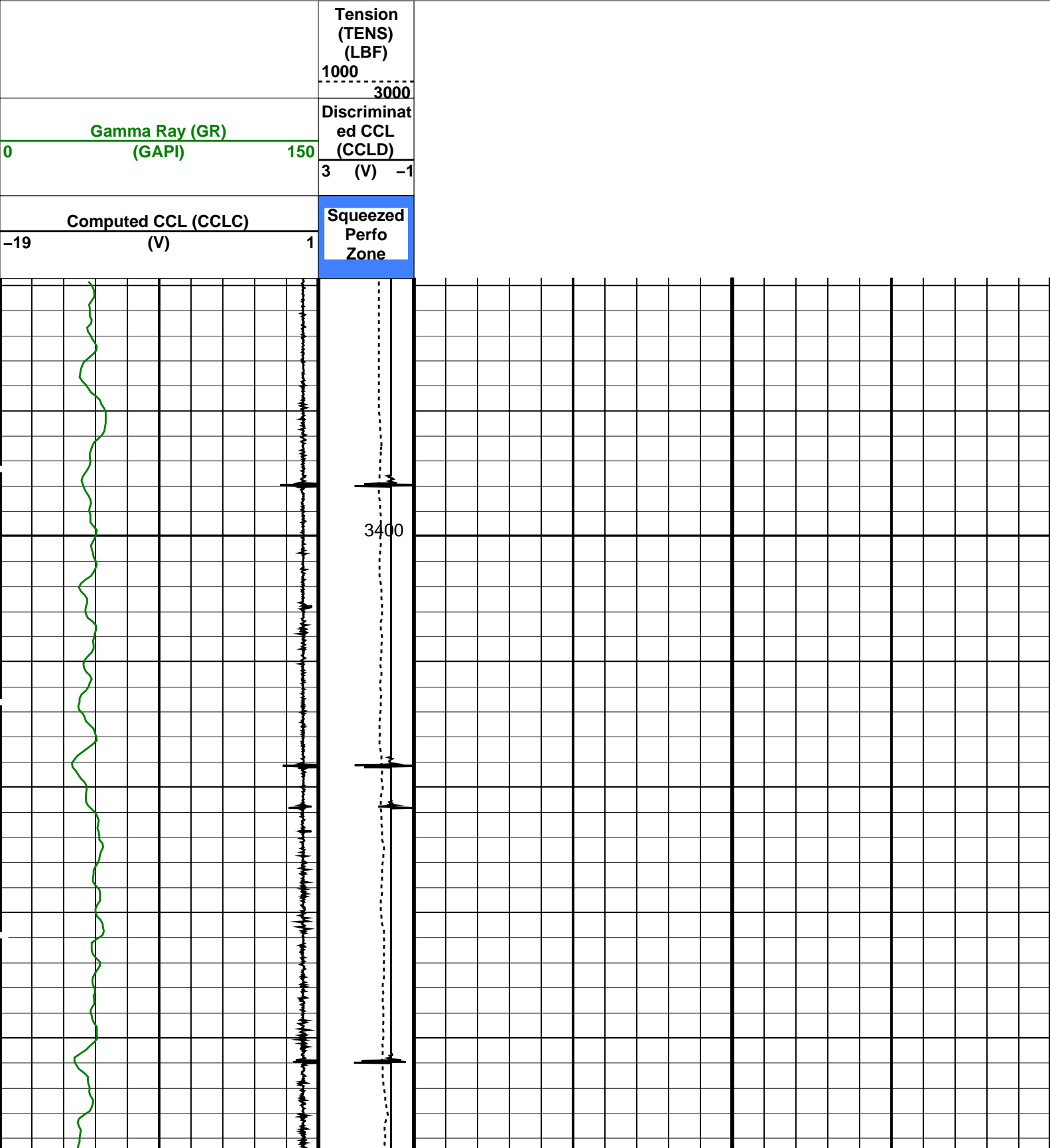
DEFAULT RST\_PSP\_040PUP FN:42 PRODUCER 24-Nov-2007 03:43

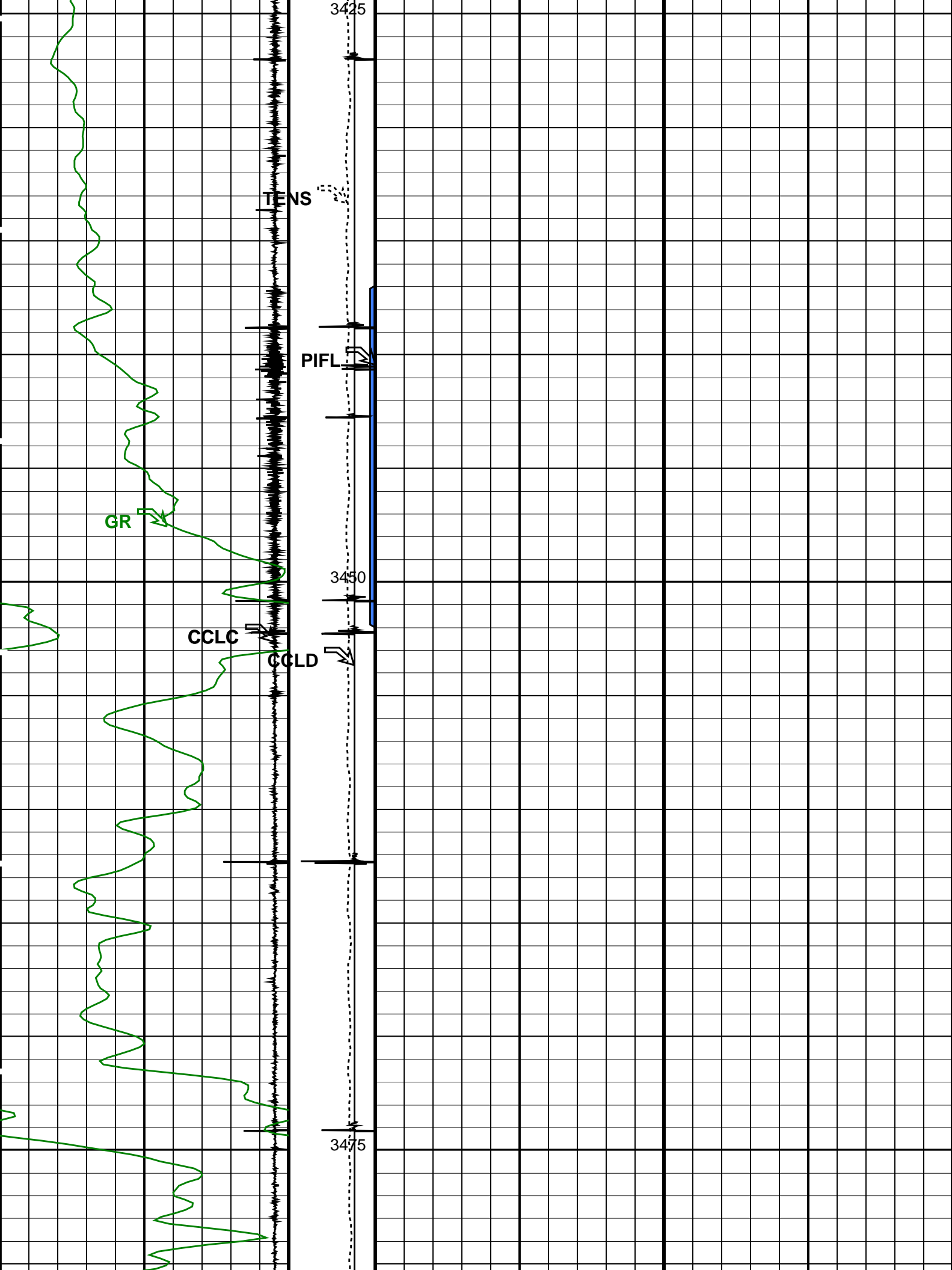
OP System Version: 15C0-309  
MCM

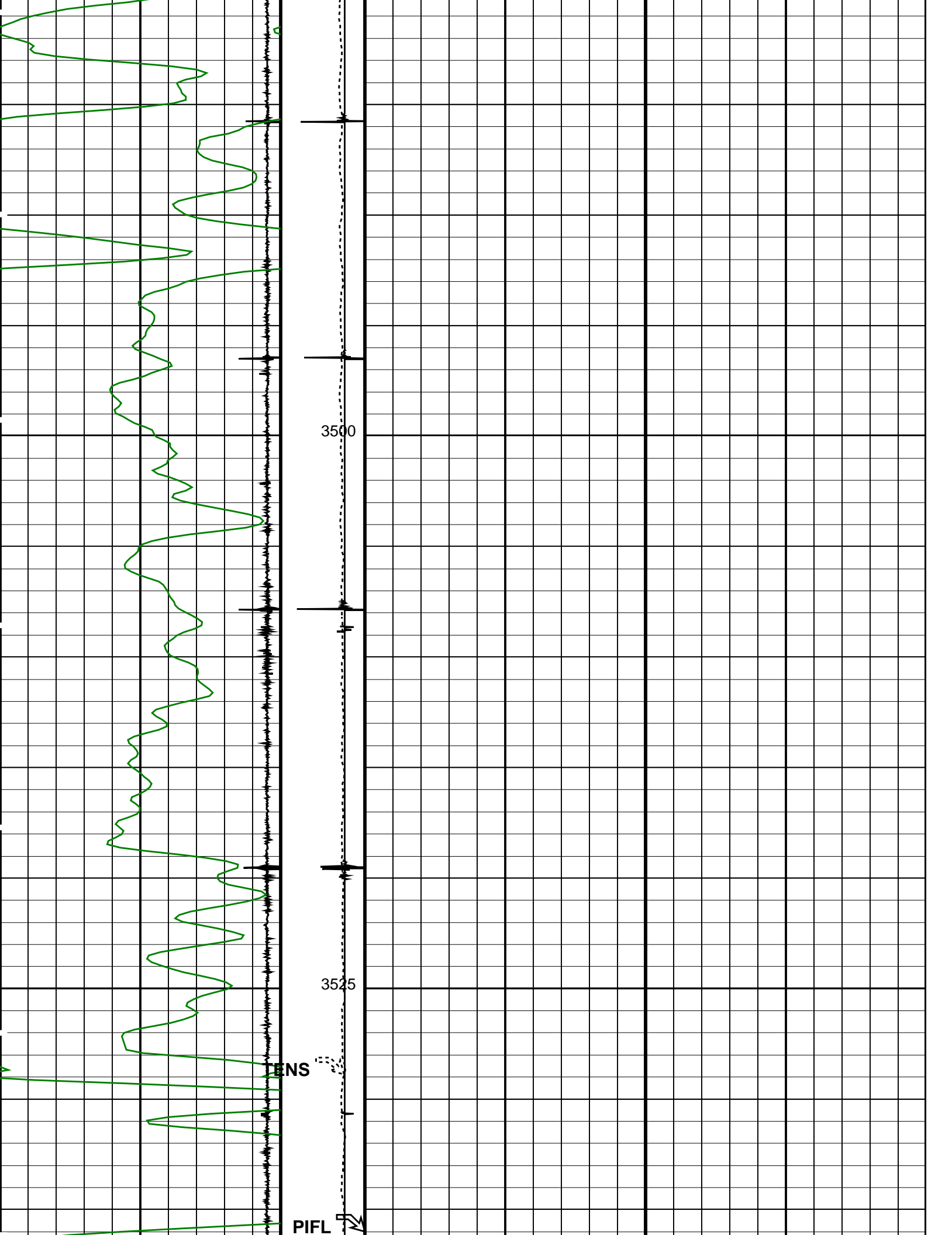
RST-C SRPC-3474-Q4\_2007 PSPT-B SRPC-3474-Q4\_2007

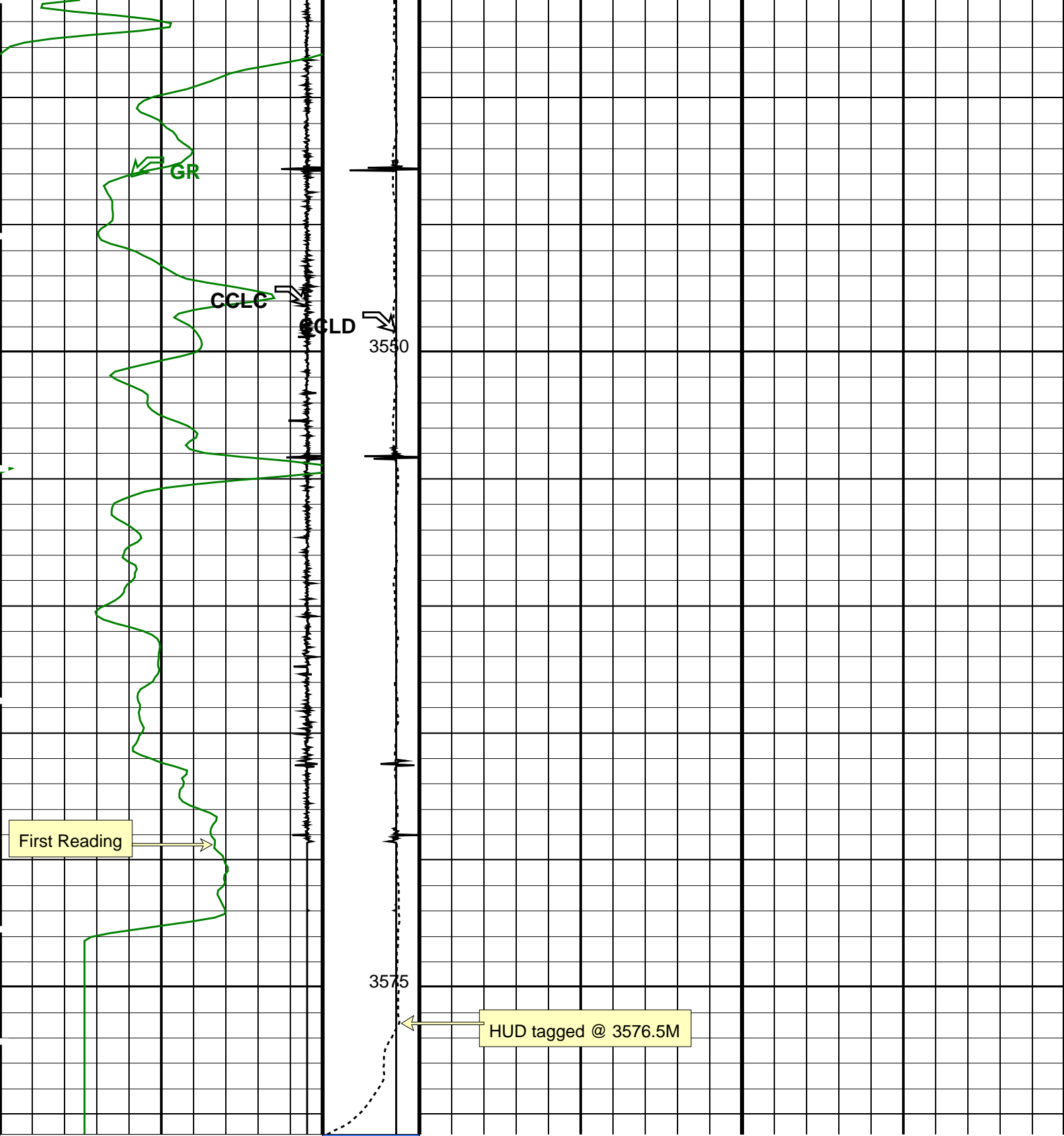
PIP SUMMARY

Time Mark Every 60 S









Computed CCL (CCLC) (V)	-19	1
Gamma Ray (GR) (GAPI)	0	150
Squeezed Perfo Zone		
Discriminat ed CCL (CCLD) (V)	3	-1
Tension (TENS) (LBF)	1000	3000



Company: **Esso Australia Pty Ltd**

**Schlumberger**

Well: **CBA F4**

Field: **Cobia**

Rig: **Rig 22**

Country: **Australia**

RST-C

Sigma & IC Log

24-Nov-2007