Schlumberger

Company: **Esso Australia Pty Ltd.**

Well: **W−29**

Field: **West Kingfish**

Rig: **Prod4 / Crane** Country: **Australia**

RST−C Sigma
Carbon Oxygen
Survey

Rig: Prod4 / Crane
Field: West Kingfish
Location: Gippsland
Well: W−29
Company: Esso Australia Pty Ltd.

LOCATION

Gippsland
Basin
Bass Strait

Elev.: K.B. 32.50 m
G.L. −76.13 m
D.F. 32.50 m

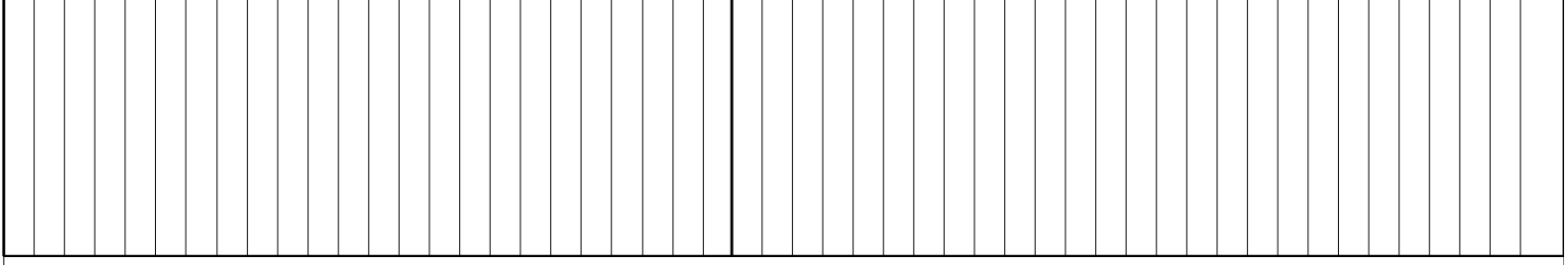
Permanent Datum: M.S.L
Log Measured From: D.F
Drilling Measured From: D.F

Elev.: 0.00 m
32.50 m above Perm. Datum

State:	Max. Well Deviation	Longitude	Latitude
Victoria	28 deg	148 06'15.1"E	038 35'40.7"S

		Run 1
PVT DATA	Oil Density	
	Water Salinity	
	Gas Gravity	
	Bo	
	Bw	
	1/Bg	
	Bubble Point Pressure	
	Bubble Point Temperature	
	Solution GOR	
	Maximum Deviation	28 deg
	CEMENTING DATA	
	Primary/Squeeze	Primary
	Casing String No	
	Lead Cement Type	
	Volume	
	Density	
	Water Loss	
	Additives	
	Tail Cement Type	
	Volume	
	Density	
	Water Loss	
	Additives	
	Expected Cement Top	

Logging Date		6−Nov−2008			Logging Date
Run Number		One			Run Number
Depth Driller		2419 m			Depth Driller
Schlumberger Depth		2419 m			Schlumberger Depth
Bottom Log Interval		2419 m			Bottom Log Interval
Top Log Interval		2385 m			Top Log Interval
Casing Fluid Type		Production Fluids			Casing Fluid Type
Salinity					Salinity
Density					Density
Fluid Level		11 m			Fluid Level
BIT/CASING/TUBING STRING					BIT/CASING/TUBING STRING
Bit Size		9.875 in			Bit Size
From					From
To					To
Casing/Tubing Size		7.625 in			Casing/Tubing Size
Weight		26.4 lbm/ft			Weight
Grade		L−80			Grade
From		12.54 m			From
To		2520 m			To
Maximum Recorded Temperatures		225 degF			Maximum Recorded Temperatures
Logger On Bottom	Time	6−Nov−2008	4:47		Logger On Bottom Time
Unit Number	Location	889	Prod4 / Ausl		Unit Number Location
Recorded By		G Wright & S Gilbert.			Recorded By
Witnessed By		G Rimmer & D Madden.			Witnessed By



DEPTH SUMMARY LISTING

Date Created: 3−NOV−2008 17:01:24

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−EB	Type:	PSDS/OSDS	Type:	2−32ZT
Serial Number:	6373	Serial Number:	325357	Serial Number:	208196
Calibration Date:	04−Jan−2007	Calibration Date:	04−Nov−2008	Length:	4100 M
Calibrator Serial Number:	9	Calibrator Serial Number:	1174		
Calibration Cable Type:	2−32ZT	Calibration Gain:	0.90	Conveyance Method:	Wireline
Wheel Correction 1:	−2	Calibration Offset:	−115.00	Rig Type:	Rigless
Wheel Correction 2:	−4				

Depth Control Parameters

Log Sequence: Subsequent Log In the Well

Reference Log Run Number: 1

.

Depth Control Remarks

1. IDW−EB 6373 used as primary depth control.
2. Z−Chart as back−up.

OTHER SERVICES1

OS1: NONE

REMARKS: RUN NUMBER 1

Log correlated to ExxonMobil petrophysical analysis supplied

with logging program.

Maximum well deviation = 28 degree's at 1530m MDKB.

Pass one was a GR pass from HUD 2419 m to 2390m MDKB.

SBHP = 3057 psia,SBHT = 222 degf.

Pass 2,RST−C Sigma pass over the same interval at 900 ft/hr.

Passes 3 to 7 were RST−C Carbon Oxygen passes over the

same interval at 150 ft/hr.

Pressure and temperature data supplied with each pass.

Crew : J light,J Annear,N Simmons,M Halstead.

RUN 1

SERVICE ORDER #:	Ausl08602243
PROGRAM VERSION:	16C0−147
FLUID LEVEL:	11 m

LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

WITM−A 827
PSC_16MHZ 827

DOWNHOLE EQUIPMENT

AH−SWBS−B 785

AH−SWBS−B 785

AH−SWBS−B 787

AH−SWBS−B 788

AH−SWBS−B 789

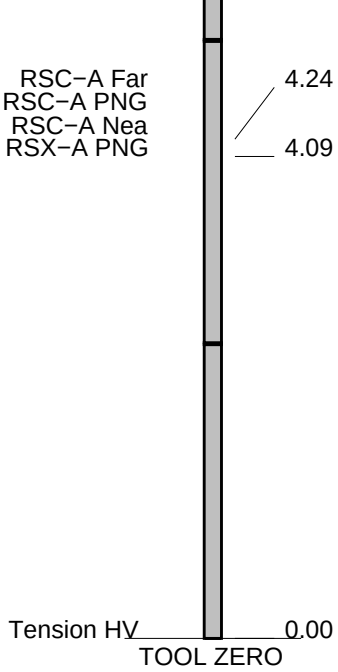
MH−SWHS−A 759

Detail MT
TelStatus
CTEM

PSC−A 827
PSPT−B 827
PSTC 827
PBMS−B 827
CQG_F_Mano 827
RTD_Thermometer 827
GR 827
CCL 827
PBMS 827

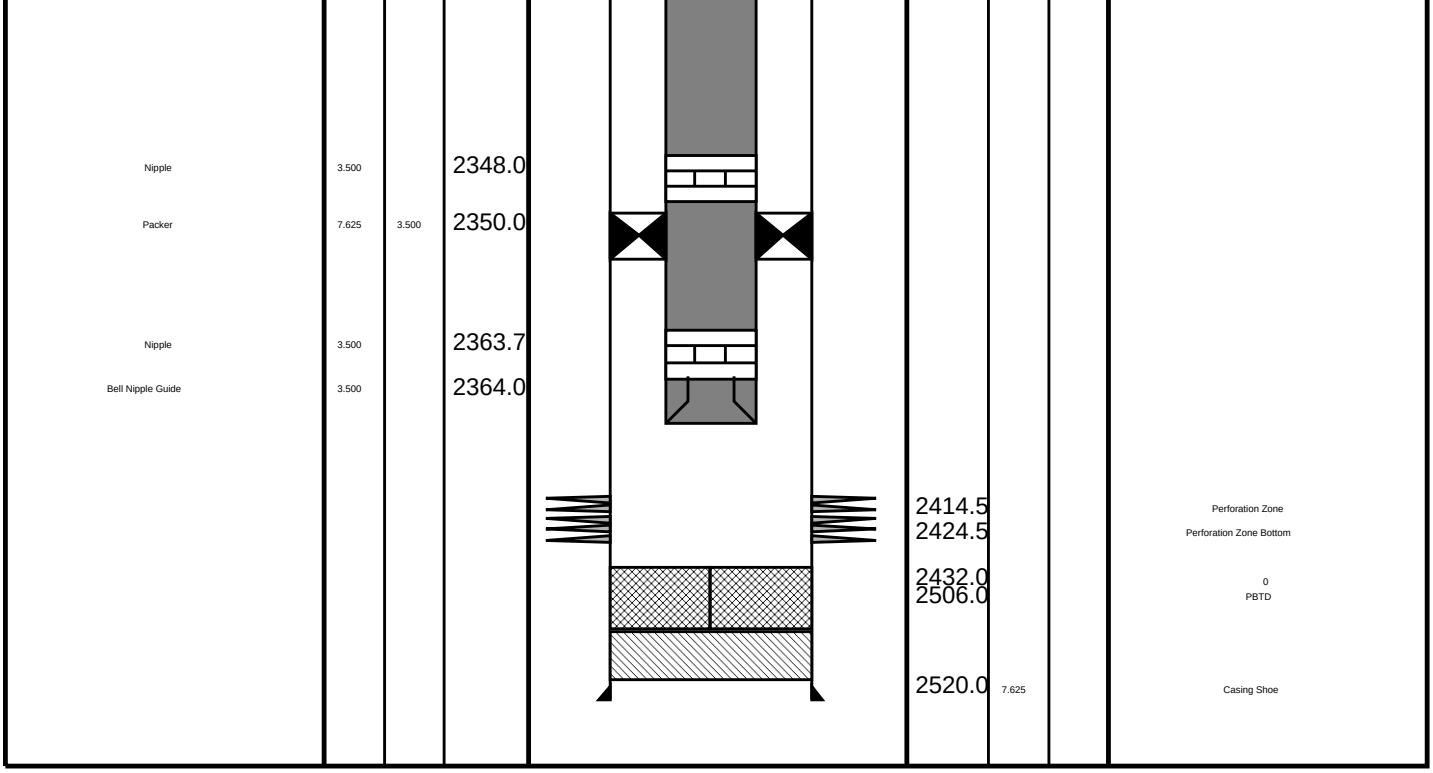
GR
Well_Temp
CQG Manom
CCL
PBMS PSTC

RST−C Red1
RSCH−A 98
RSC−C 116
RSS−A 93
RSXH−A 179
RSX−C 101



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

Production String	(in) OD	(in) ID	(m) MD	Well Schematic	(m) MD	(in) OD	(in) ID	Casing String
Tubing Hanger	7.625	3.500	11.7		12.5	7.625		Casing String
Tubing	3.500		11.7		12.5	10.750	7.625	Liner Hanger
					12.5	10.750		Casing String
Shutin Valve	3.500		450.0					
Gas Lift Mandrel	3.500		759.0					
					804.0	10.750		Casing Shoe
Gas Lift Mandrel	3.500		1030.0					
Gas Lift Mandrel	3.500		1147.0					
Nipple	3.500		1162.0					



Schlumberger

Job Event Summary

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Log Pass (down)	6-Nov-2008 3:59	000:36	-7.3 - 2415.7	RST_PSP_004LDP
Log Pass (up)	6-Nov-2008 4:36	000:07	2419.7 - 2364.6	RST_PSP_005LUP
Log Pass (up)	6-Nov-2008 4:56	000:10	2421.3 - 2373.2	RST_PSP_007LUP
Log Pass (up)	6-Nov-2008 5:09	000:48	2420.6 - 2380.3	RST_PSP_009LUP
Log Pass (up)	6-Nov-2008 6:01	000:45	2420.7 - 2379.1	RST_PSP_010LUP
Log Pass (up)	6-Nov-2008 6:46	000:46	2421.3 - 2378.8	RST_PSP_011LUP
Log Pass (up)	6-Nov-2008 7:33	000:40	2420.3 - 2377.9	RST_PSP_012LUP
Log Pass (up)	6-Nov-2008 8:13	000:40	2420.7 - 2379.3	RST_PSP_013LUP
Log Pass (up)	6-Nov-2008 9:08	000:55	1521.7 - -3.7	RST_PSP_014LUP

Schlumberger

Carbon Oxygen Pass # 5 @ 150 ft/hr

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: W−29**

Output DLIS Files

DEFAULT	RST_PSP_013LUP	FN:12	PRODUCER	06−Nov−2008 08:13

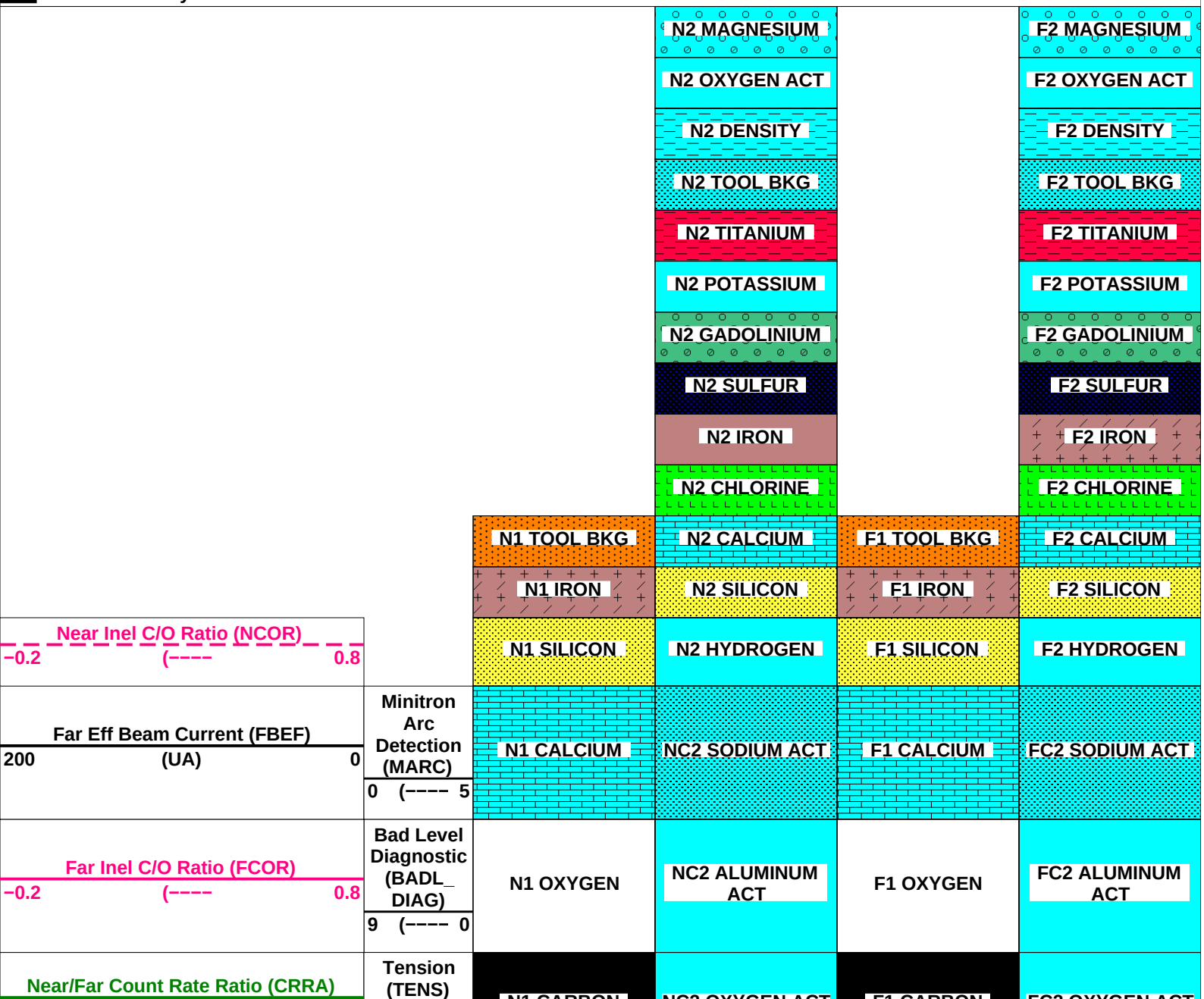
OP System Version: 16C0−147

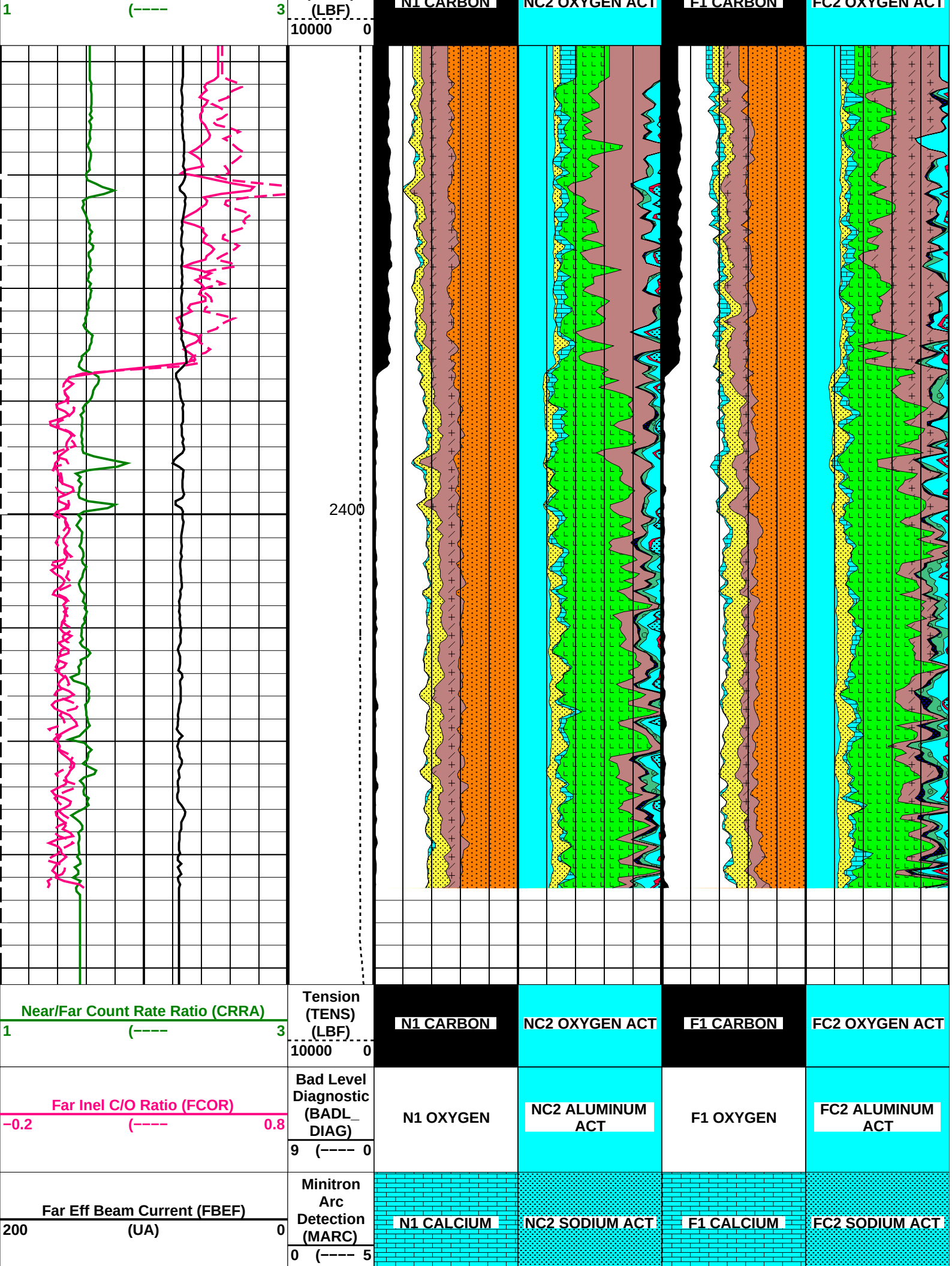
MCM

RST−C	16C0−147	PSPT−B	16C0−147

PIP SUMMARY

Time Mark Every 60 S




1
(----
3
Tension (TENS) (LBF)
10000
0
N1 CARBON
NC2 OXYGEN ACT
F1 CARBON
FC2 OXYGEN ACT
2400
Near/Far Count Rate Ratio (CRRA)
1
(----
3
Tension (TENS) (LBF)
10000
0
N1 CARBON
NC2 OXYGEN ACT
F1 CARBON
FC2 OXYGEN ACT
Far Inel C/O Ratio (FCOR)
-0.2
(----
0.8
Bad Level Diagnostic (BADL_ DIAG)
9
(----
0
N1 OXYGEN
NC2 ALUMINUM ACT
F1 OXYGEN
FC2 ALUMINUM ACT
Far Eff Beam Current (FBEF)
200
(UA)
0
Minitron Arc Detection (MARC)
0
(----
5
N1 CALCIUM
NC2 SODIUM ACT
F1 CALCIUM
FC2 SODIUM ACT

Near Inel C/O Ratio (NCOR)
−0.2 (---- 0.8

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

Format: RST_YIELDS Vertical Scale: 1:200 Graphics File Created: 06−Nov−2008 08:13

OP System Version: 16C0−147

MCM

RST−C	16C0−147	PSPT−B	16C0−147

Output DLIS Files

DEFAULT	RST_PSP_013LUP	FN:12	PRODUCER	06−Nov−2008 08:13		

Schlumberger

Carbon Oxygen Pass # 4
@ 150 ft/hr

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: W−29

Output DLIS Files

DEFAULT	RST_PSP_012LUP	FN:11	PRODUCER	06−Nov−2008 07:33	2420.3 M	2377.9 M

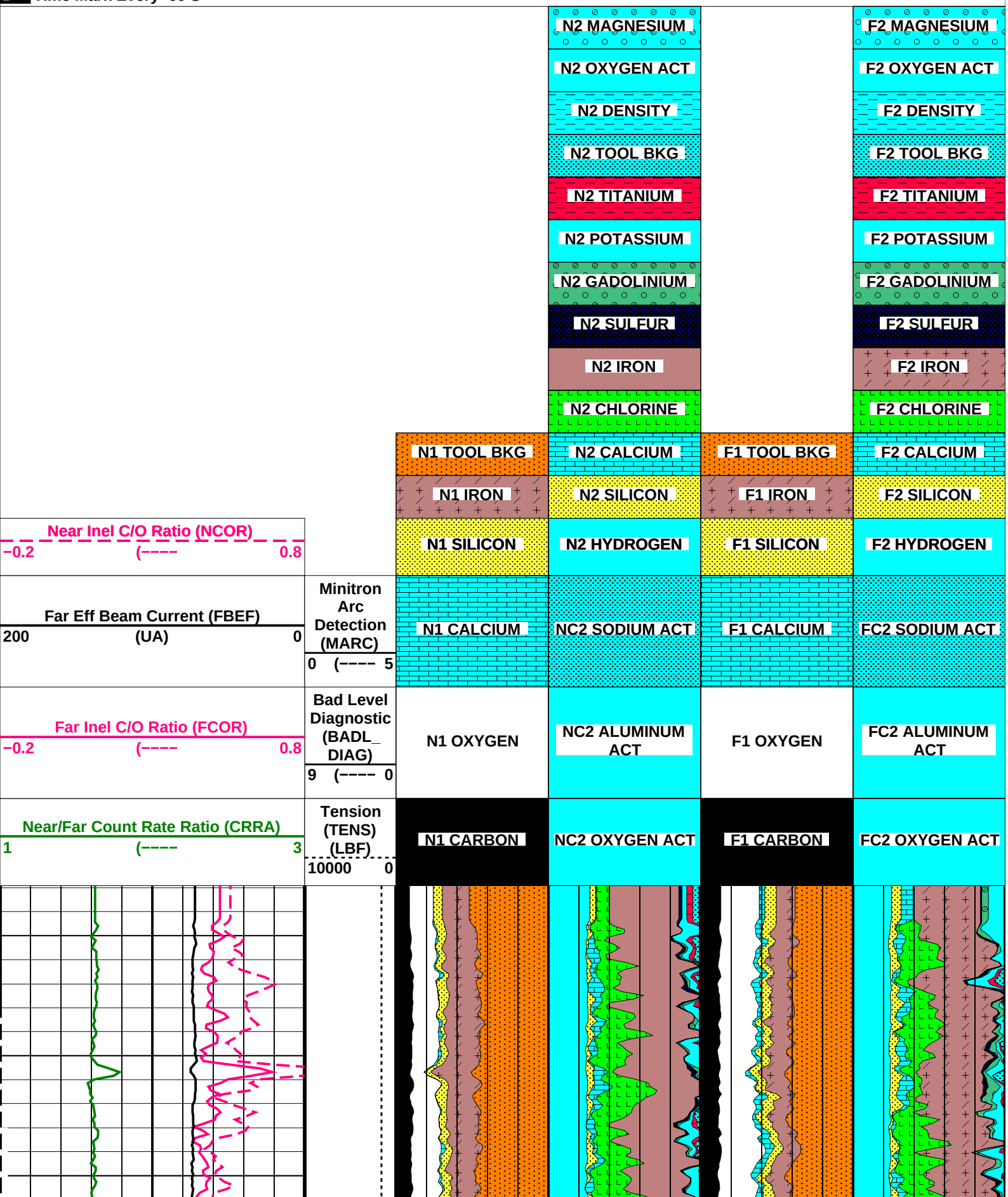
OP System Version: 16C0−147

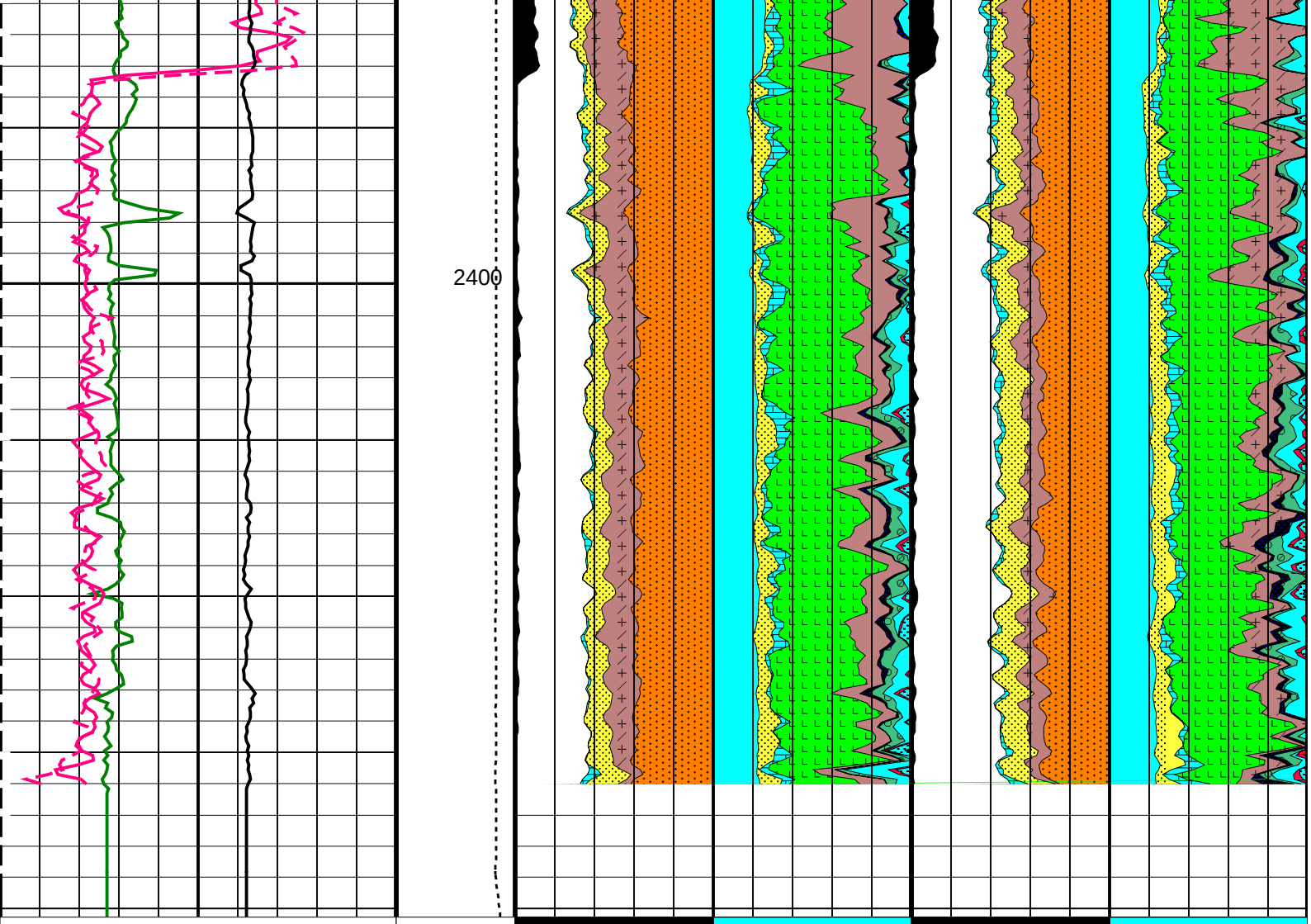
MCM

RST−C 16C0−147 PSPT−B 16C0−147

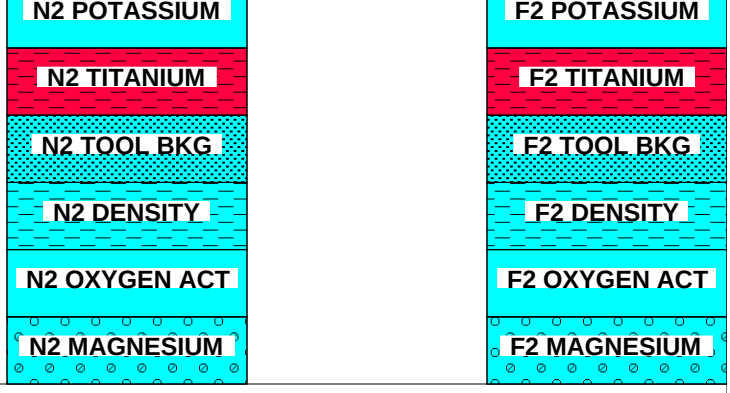
PIP SUMMARY

Time Mark Every 60 S





Near/Far Count Rate Ratio (CRRA) 1 (---- 3	Tension (TENS) (LBF) 10000 0	N1 CARBON	NC2 OXYGEN ACT	F1 CARBON	FC2 OXYGEN ACT
Far Inel C/O Ratio (FCOR) −0.2 (---- 0.8	Bad Level Diagnostic (BADL_DIAG) 9 (---- 0	N1 OXYGEN	NC2 ALUMINUM ACT	F1 OXYGEN	FC2 ALUMINUM ACT
Far Eff Beam Current (FBEF) 200 (UA) 0	Minitron Arc Detection (MARC) 0 (---- 5	N1 CALCIUM	NC2 SODIUM ACT	F1 CALCIUM	FC2 SODIUM ACT
Near Inel C/O Ratio (NCOR) −0.2 (---- 0.8		N1 SILICON	N2 HYDROGEN	F1 SILICON	F2 HYDROGEN
		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



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	0_CO_Yield_and_Spectrolith

Format: RST_YIELDS **Vertical Scale: 1:200** **Graphics File Created: 06−Nov−2008 07:33**

OP System Version: 16C0−147

MCM

RST−C	16C0−147	PSPT−B	16C0−147

Output DLIS Files

DEFAULT	RST_PSP_012LUP	FN:11	PRODUCER	06−Nov−2008 07:33

Schlumberger

Carbon Oxygen Pass # 3 @ 150 ft/hr

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: W−29**

Output DLIS Files

DEFAULT	RST_PSP_011LUP	FN:10	PRODUCER	06−Nov−2008 06:46	2421.3 M	2378.8 M

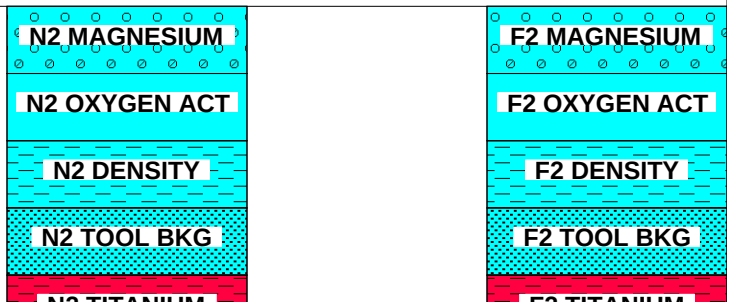
OP System Version: 16C0−147

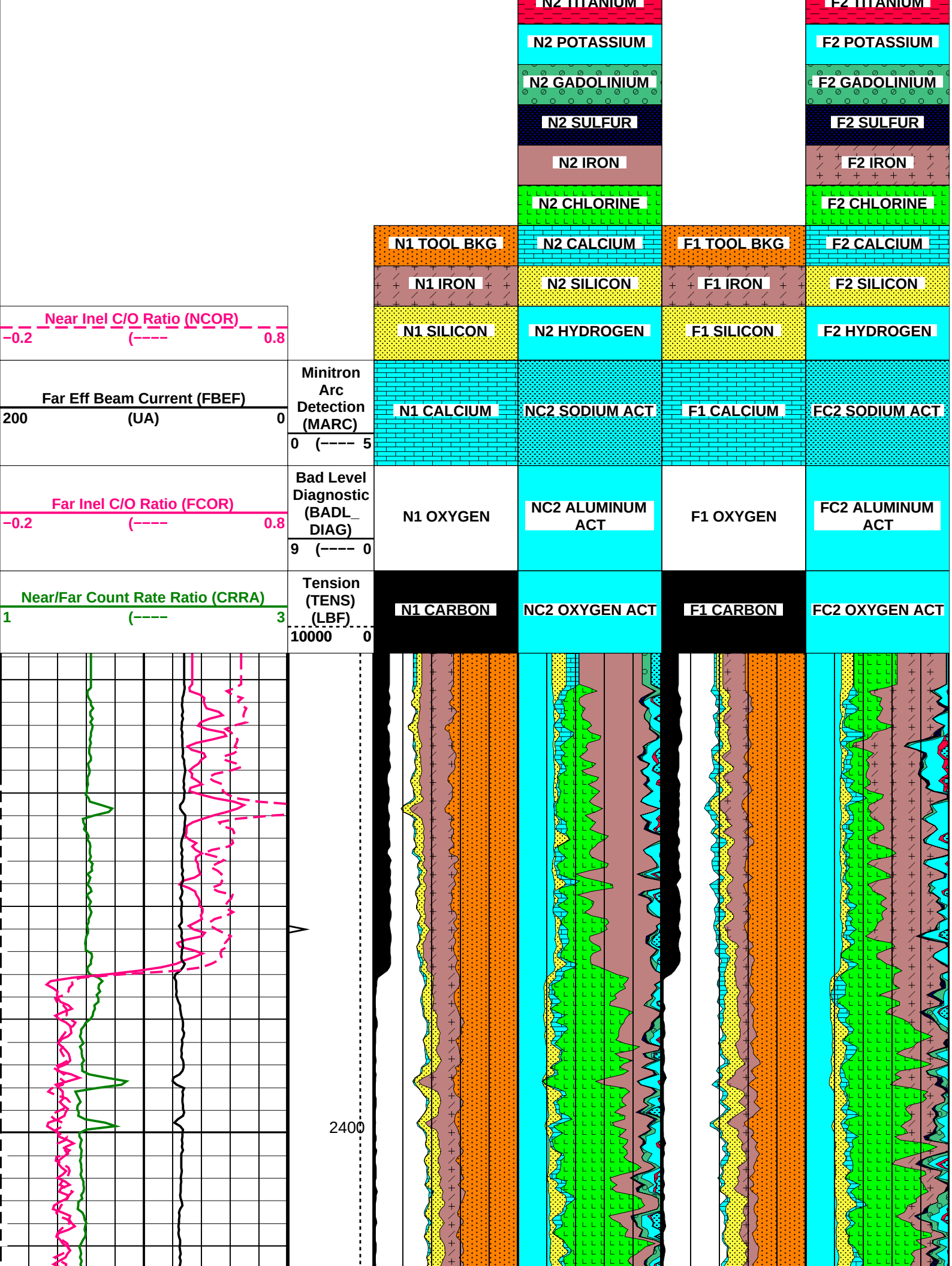
MCM

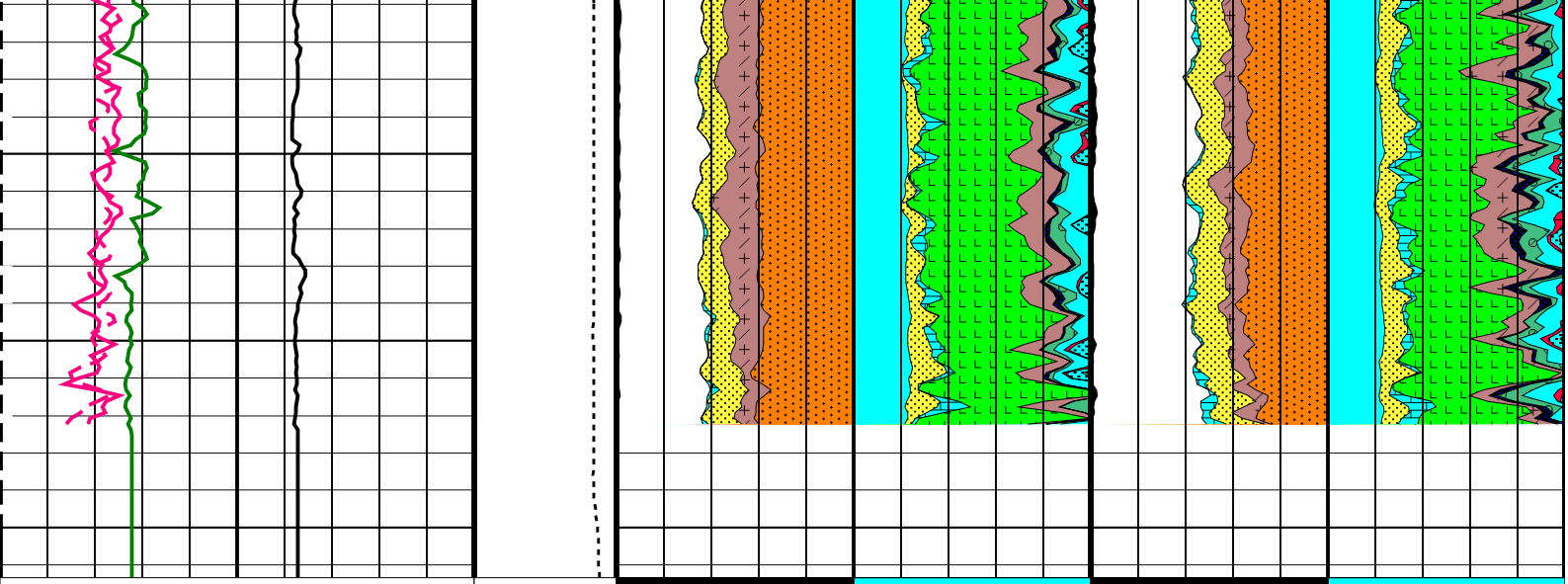
RST−C	16C0−147	PSPT−B	16C0−147

PIP SUMMARY

Time Mark Every 60 S




N2 TITANIUM
F2 TITANIUM
N2 POTASSIUM
F2 POTASSIUM
N2 GADOLINIUM
F2 GADOLINIUM
N2 SULFUR
F2 SULFUR
N2 IRON
F2 IRON
N2 CHLORINE
F2 CHLORINE
N1 TOOL BKG
N2 CALCIUM
F1 TOOL BKG
F2 CALCIUM
N1 IRON
N2 SILICON
F1 IRON
F2 SILICON
N1 SILICON
N2 HYDROGEN
F1 SILICON
F2 HYDROGEN
Near Inel C/O Ratio (NCOR)
−0.2 (---- 0.8
Minitron Arc Detection (MARC)
0 (---- 5
Far Eff Beam Current (FBEF)
200 (UA) 0
N1 CALCIUM
NC2 SODIUM ACT
F1 CALCIUM
FC2 SODIUM ACT
Bad Level Diagnostic (BADL_DIAG)
9 (---- 0
Far Inel C/O Ratio (FCOR)
−0.2 (---- 0.8
N1 OXYGEN
NC2 ALUMINUM ACT
F1 OXYGEN
FC2 ALUMINUM ACT
Tension (TENS) (LBF)
10000 0
Near/Far Count Rate Ratio (CRRA)
1 (---- 3
N1 CARBON
NC2 OXYGEN ACT
F1 CARBON
FC2 OXYGEN ACT
2400



Near/Far Count Rate Ratio (CRRA)	Tension (TENS) (LBF)	N1 CARBON	NC2 OXYGEN ACT	F1 CARBON	FC2 OXYGEN ACT
1 (---- 3	10000 0				
Far Inel C/O Ratio (FCOR)	Bad Level Diagnostic (BADL_ DIAG)	N1 OXYGEN	NC2 ALUMINUM ACT	F1 OXYGEN	FC2 ALUMINUM ACT
−0.2 (---- 0.8	9 (---- 0				
Far Eff Beam Current (FBEF)	Minitron Arc Detection (MARC)	N1 CALCIUM	NC2 SODIUM ACT	F1 CALCIUM	FC2 SODIUM ACT
200 (UA) 0	0 (---- 5				
Near Inel C/O Ratio (NCOR)		N1 SILICON	N2 HYDROGEN	F1 SILICON	F2 HYDROGEN
−0.2 (---- 0.8		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

Format: RST_YIELDS Vertical Scale: 1:200 Graphics File Created: 06−Nov−2008 06:46

OP System Version: 16C0−147

MCM

RST−C	16C0−147	PSPT−B	16C0−147

Output DLIS Files

DEFAULT	RST_PSP_011LUP	FN:10	PRODUCER	06−Nov−2008 06:46

Schlumberger

Carbon Oxygen Pass # 2 @ 150 ft/hr

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: W−29

Output DLIS Files

DEFAULT	RST_PSP_010LUP	FN:9	PRODUCER	06−Nov−2008 06:01

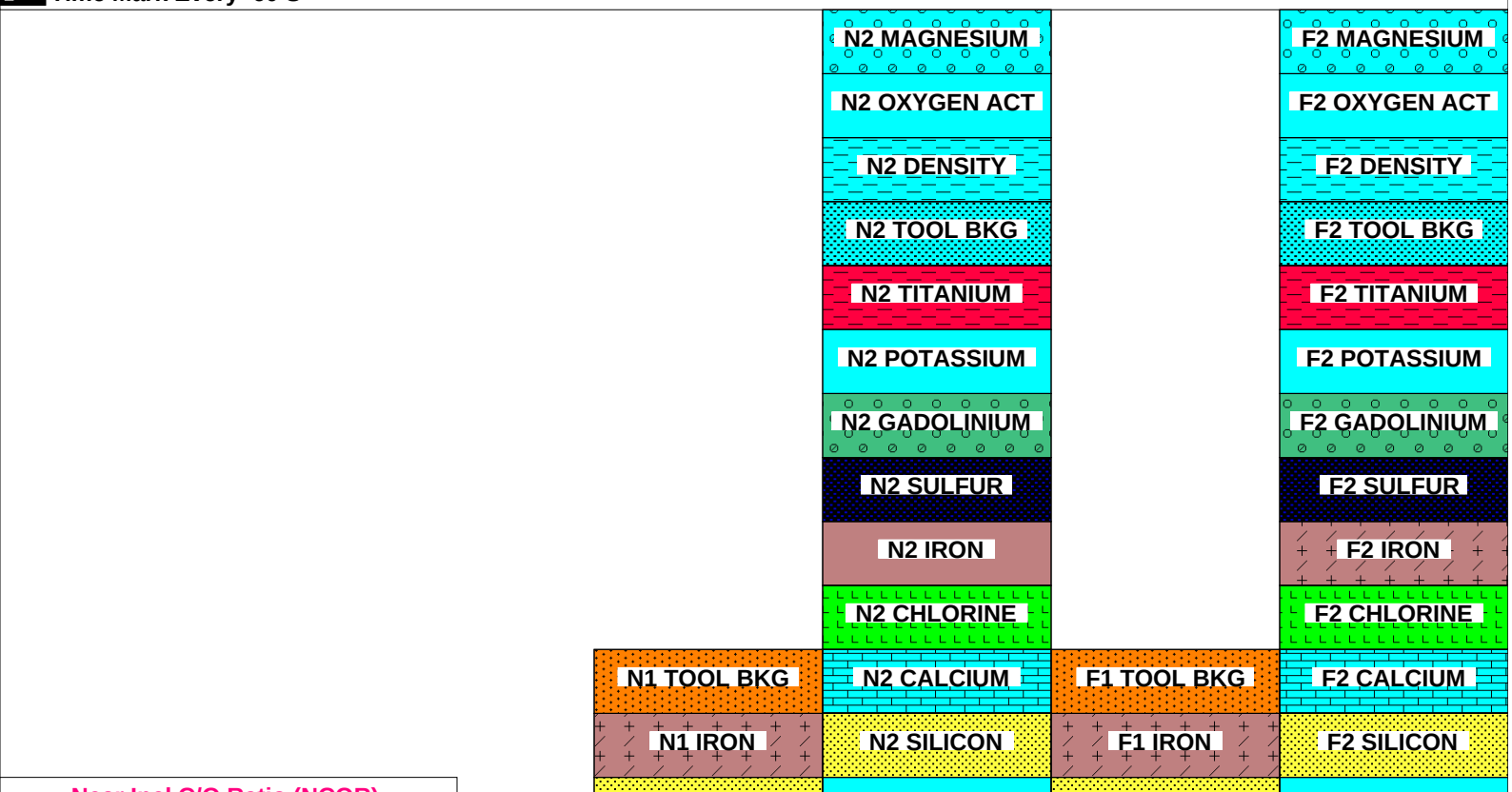
OP System Version: 16C0−147

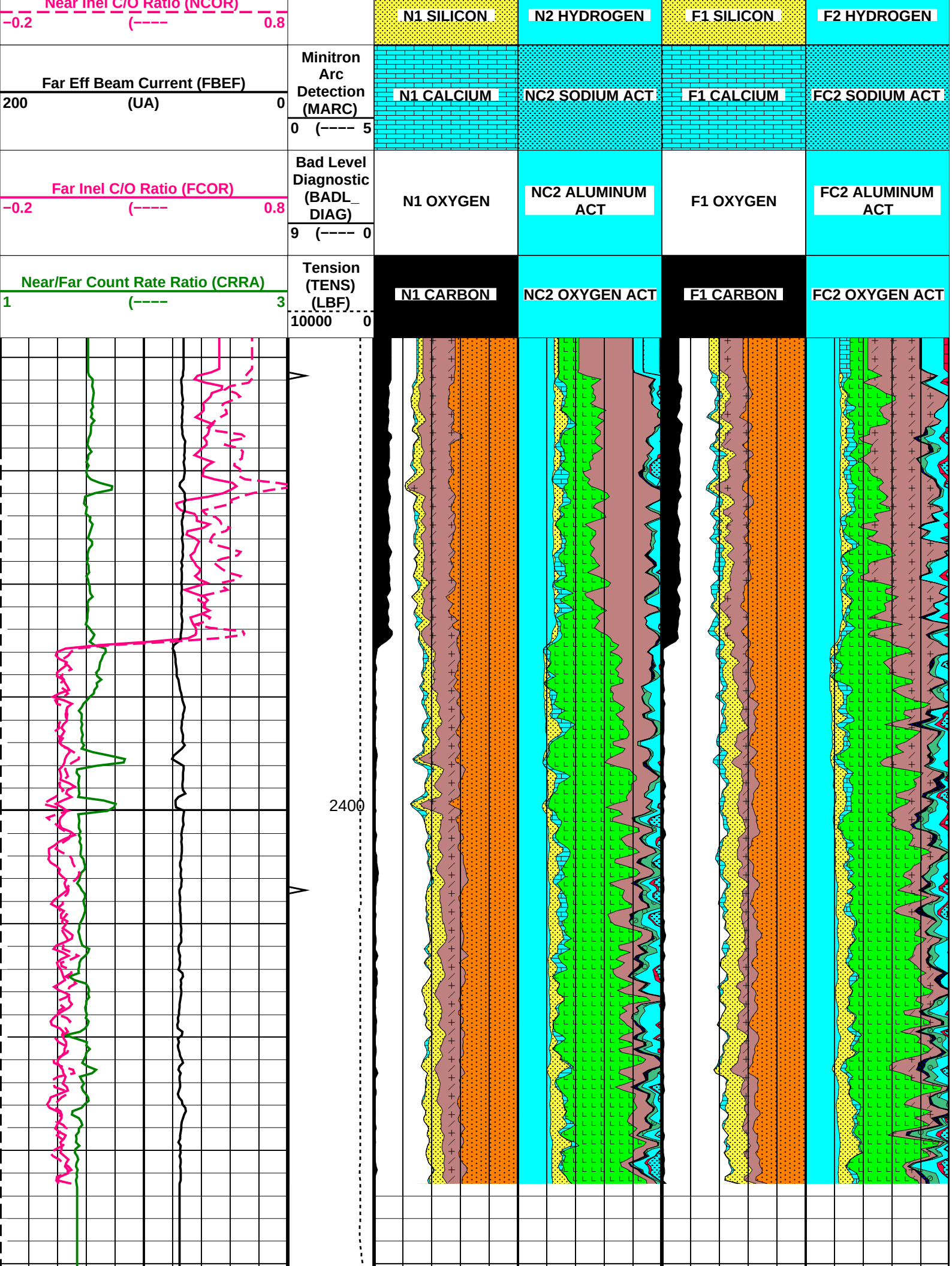
MCM

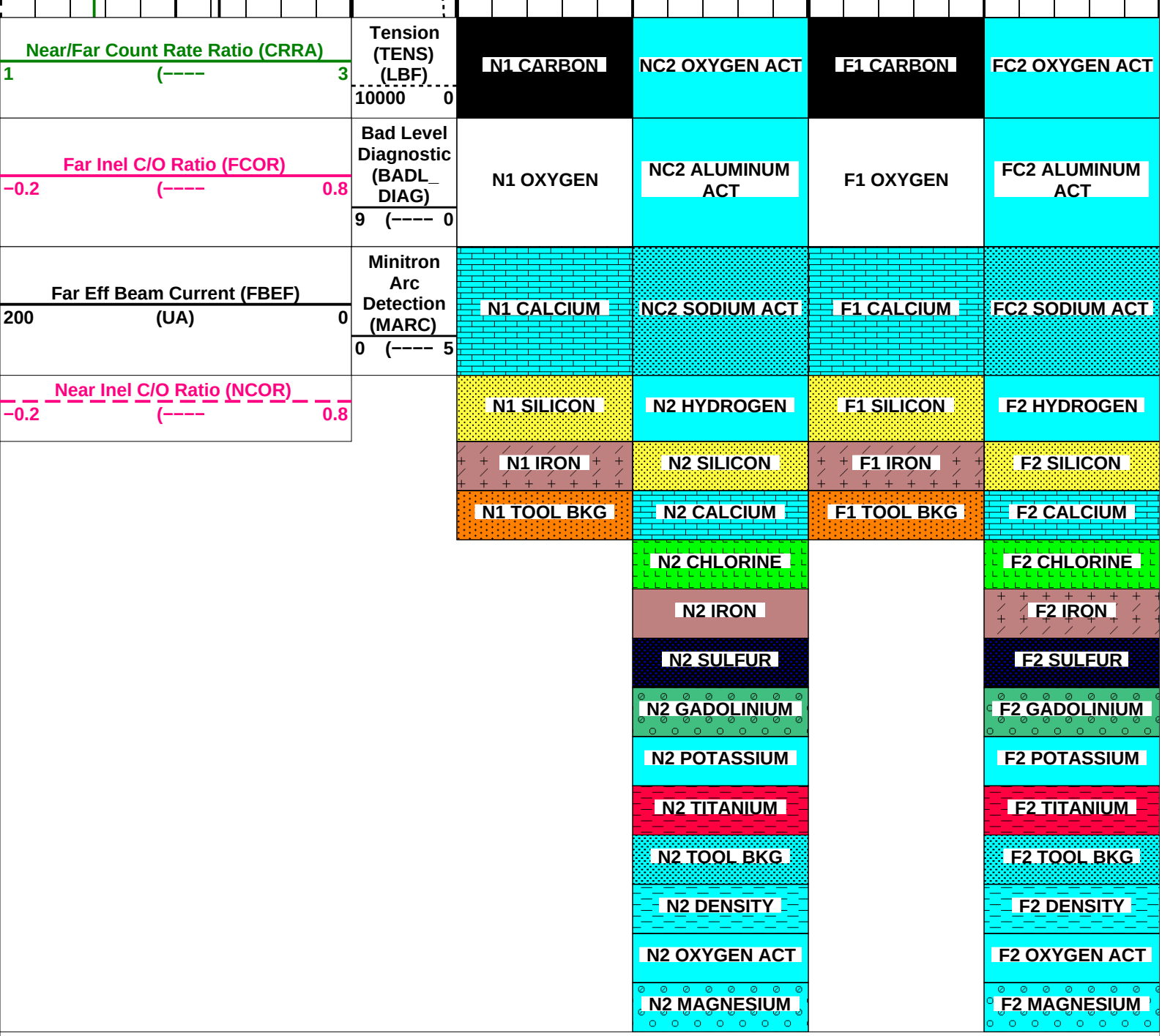
RST−C	16C0−147	PSPT−B	16C0−147

PIP SUMMARY

Time Mark Every 60 S




Near Inel C/O Ratio (NCOR)
−0.2 (---- 0.8
N1 SILICON
N2 HYDROGEN
F1 SILICON
F2 HYDROGEN
Far Eff Beam Current (FBEF)
200 (UA) 0
Minitron Arc Detection (MARC)
0 (---- 5
N1 CALCIUM
NC2 SODIUM ACT
F1 CALCIUM
FC2 SODIUM ACT
Far Inel C/O Ratio (FCOR)
−0.2 (---- 0.8
Bad Level Diagnostic (BADL_ DIAG)
9 (---- 0
N1 OXYGEN
NC2 ALUMINUM ACT
F1 OXYGEN
FC2 ALUMINUM ACT
Near/Far Count Rate Ratio (CRRA)
1 (---- 3
Tension (TENS) (LBF)
10000 0
N1 CARBON
NC2 OXYGEN ACT
F1 CARBON
FC2 OXYGEN ACT
2400



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

Format: RST_YIELDS Vertical Scale: 1:200 Graphics File Created: 06-Nov-2008 06:01

OP System Version: 16C0-147

MCM

RST-C	16C0-147	PSPT-B	16C0-147

Output DLIS Files

DEFAULT	RST_PSP_010LUP	FN:9	PRODUCER	06-Nov-2008 06:01

Schlumberger

Carbon Oxygen Pass # 1 @ 150 ft/hr

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: W−29**

Output DLIS Files

DEFAULT	RST_PSP_009LUP	FN:8	PRODUCER	06−Nov−2008 05:09

OP System Version: 16C0−147

MCM

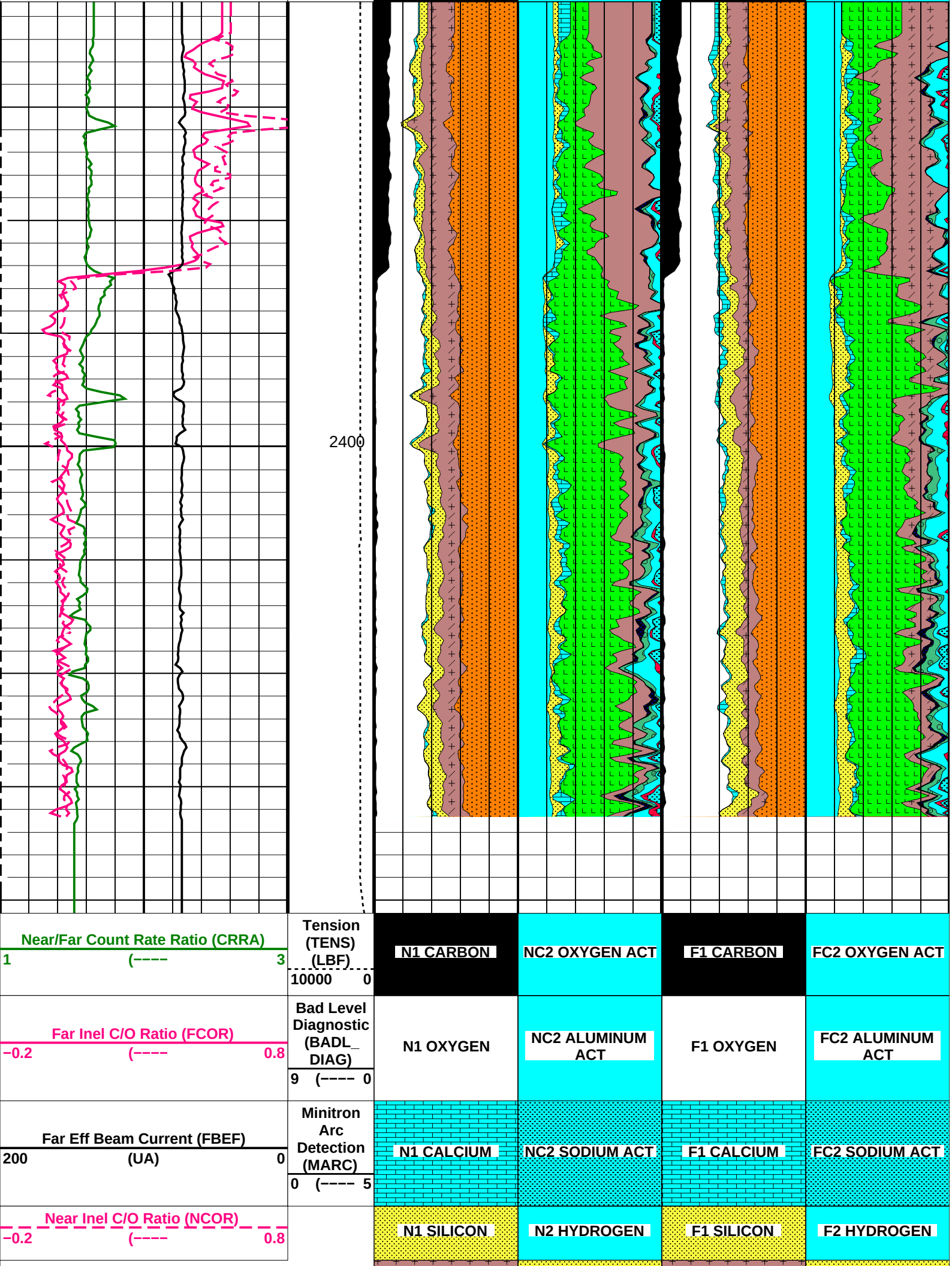
RST−C	16C0−147	PSPT−B	16C0−147

PIP SUMMARY

Time Mark Every 60 S

Near Inel C/O Ratio (NCOR) −0.2 (---- 0.8		N1 SILICON / N2 HYDROGEN / F1 SILICON / F2 HYDROGEN
Far Eff Beam Current (FBEF) 200 (UA) 0	Minitron Arc Detection (MARC) 0 (---- 5	N1 CALCIUM / NC2 SODIUM ACT / F1 CALCIUM / FC2 SODIUM ACT
Far Inel C/O Ratio (FCOR) −0.2 (---- 0.8	Bad Level Diagnostic (BADL_DIAG) 9 (---- 0	N1 OXYGEN / NC2 ALUMINUM ACT / F1 OXYGEN / FC2 ALUMINUM ACT
Near/Far Count Rate Ratio (CRRA) 1 (---- 3	Tension (TENS) (LBF) 10000 0	N1 CARBON / NC2 OXYGEN ACT / F1 CARBON / FC2 OXYGEN ACT

N1 TOOL BKG	N2 MAGNESIUM / N2 CALCIUM	F1 TOOL BKG	F2 MAGNESIUM / F2 CALCIUM
N1 IRON	N2 OXYGEN ACT / N2 SILICON	F1 IRON	F2 OXYGEN ACT / F2 SILICON
	N2 DENSITY		F2 DENSITY
	N2 TOOL BKG		F2 TOOL BKG
	N2 TITANIUM		F2 TITANIUM
	N2 POTASSIUM		F2 POTASSIUM
	N2 GADOLINIUM		F2 GADOLINIUM
	N2 SULFUR		F2 SULFUR
	N2 IRON		F2 IRON
	N2 CHLORINE		F2 CHLORINE


2400
Near/Far Count Rate Ratio (CRRA)
1 (---- 3
Tension (TENS) (LBF)
10000 0
N1 CARBON
NC2 OXYGEN ACT
F1 CARBON
FC2 OXYGEN ACT
Far Inel C/O Ratio (FCOR)
-0.2 (---- 0.8
Bad Level Diagnostic (BADL_ DIAG)
9 (---- 0
N1 OXYGEN
NC2 ALUMINUM ACT
F1 OXYGEN
FC2 ALUMINUM ACT
Far Eff Beam Current (FBEF)
200 (UA) 0
Minitron Arc Detection (MARC)
0 (---- 5
N1 CALCIUM
NC2 SODIUM ACT
F1 CALCIUM
FC2 SODIUM ACT
Near Inel C/O Ratio (NCOR)
-0.2 (---- 0.8
N1 SILICON
N2 HYDROGEN
F1 SILICON
F2 HYDROGEN

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

Format: RST_YIELDS **Vertical Scale: 1:200** **Graphics File Created: 06−Nov−2008 05:09**

OP System Version: 16C0−147

MCM

RST−C	16C0−147	PSPT−B	16C0−147

Output DLIS Files

DEFAULT	RST_PSP_009LUP	FN:8	PRODUCER	06−Nov−2008 05:09

Schlumberger

RST−C Sigma Pass
@ 900 ft/hr

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: W−29**

Output DLIS Files

DEFAULT	RST_PSP_007LUP	FN:6	PRODUCER	06−Nov−2008 04:56

OP System Version: 16C0−147

MCM

RST-C 16C0-147 PSPT-B 16C0-147

PIP SUMMARY

Time Mark Every 60 S

RST Sigma (SIGM)
60 (CU) 0

RST Weighted Inelastic Ratio (WINR_RST)
0.4 (----- 0

RST Porosity (TPHI)
0.6 (V/V) 0

RST Sigma Borehole Fluid (SIBF)
100 (CU) 0

RST Far Effective Capture CR (RSCF_RST)
45 (---- 0

RST Near Effective Capture CR (RSCN_RST)
45 (---- 0

Sigma Borehole Far Apparent (SBFA_FIL)
150 (CU) 0

Tension (TENS)
0 (LBF) 3000

RST Capture to Inelastic Ratio Far (CIRF_FIL)
5 (---- 0

RST Capture Ratio (TRAT_FIL)
1.5 (---- 0.5

Sigma Formation Far Apparent (SFFA_FIL)
60 (CU) 0

RST Capture to Inelastic Ratio Near (CIRN_FIL)
2.5 (---- 0

Minitron Arc Detection (MARC)
0 (---- 5

RST Sigma Difference (DSIG)
-30 (CU) 30

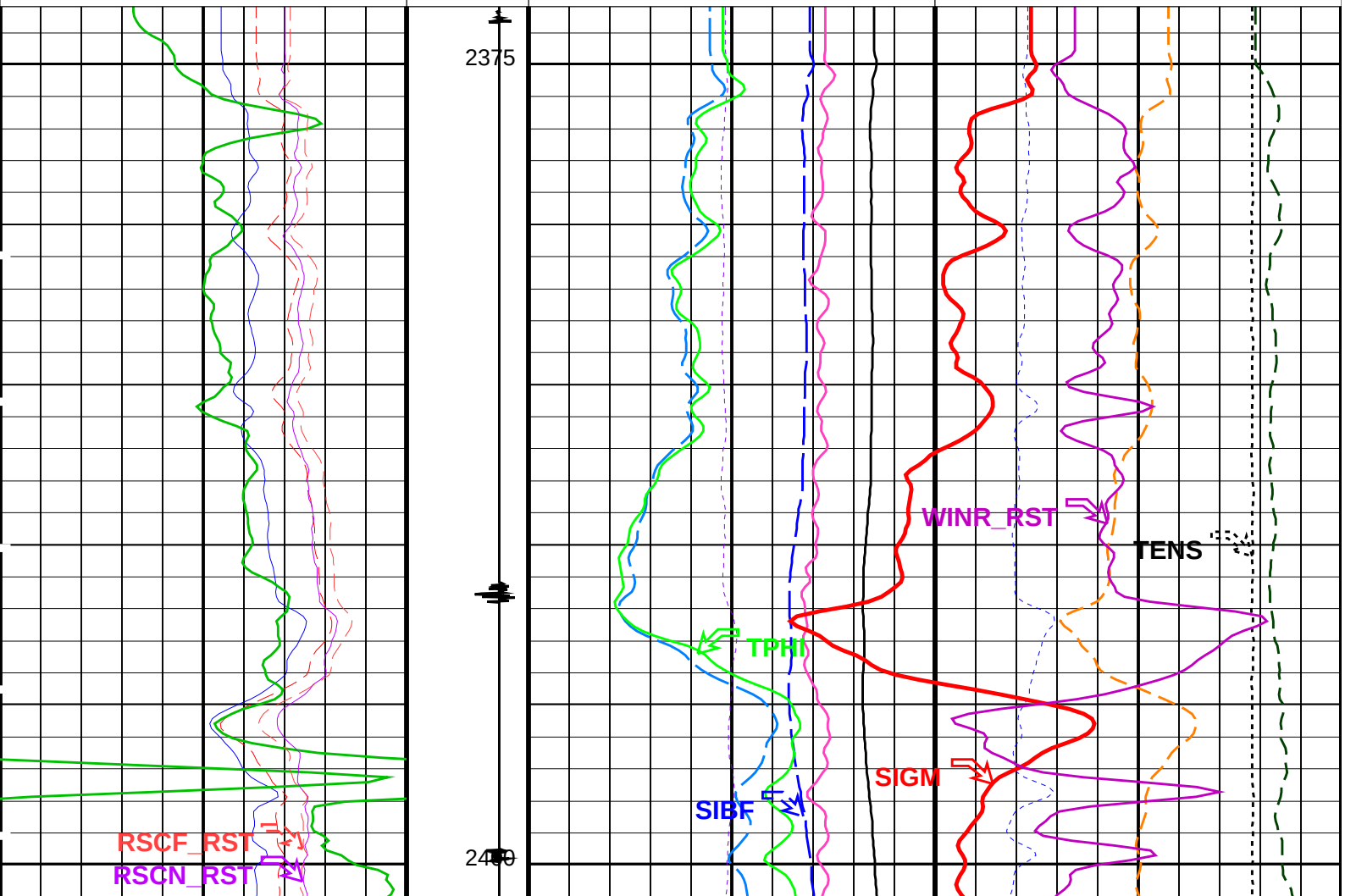
MCS Far Background (filtered) (FBAC)
0 (CPS) 5000

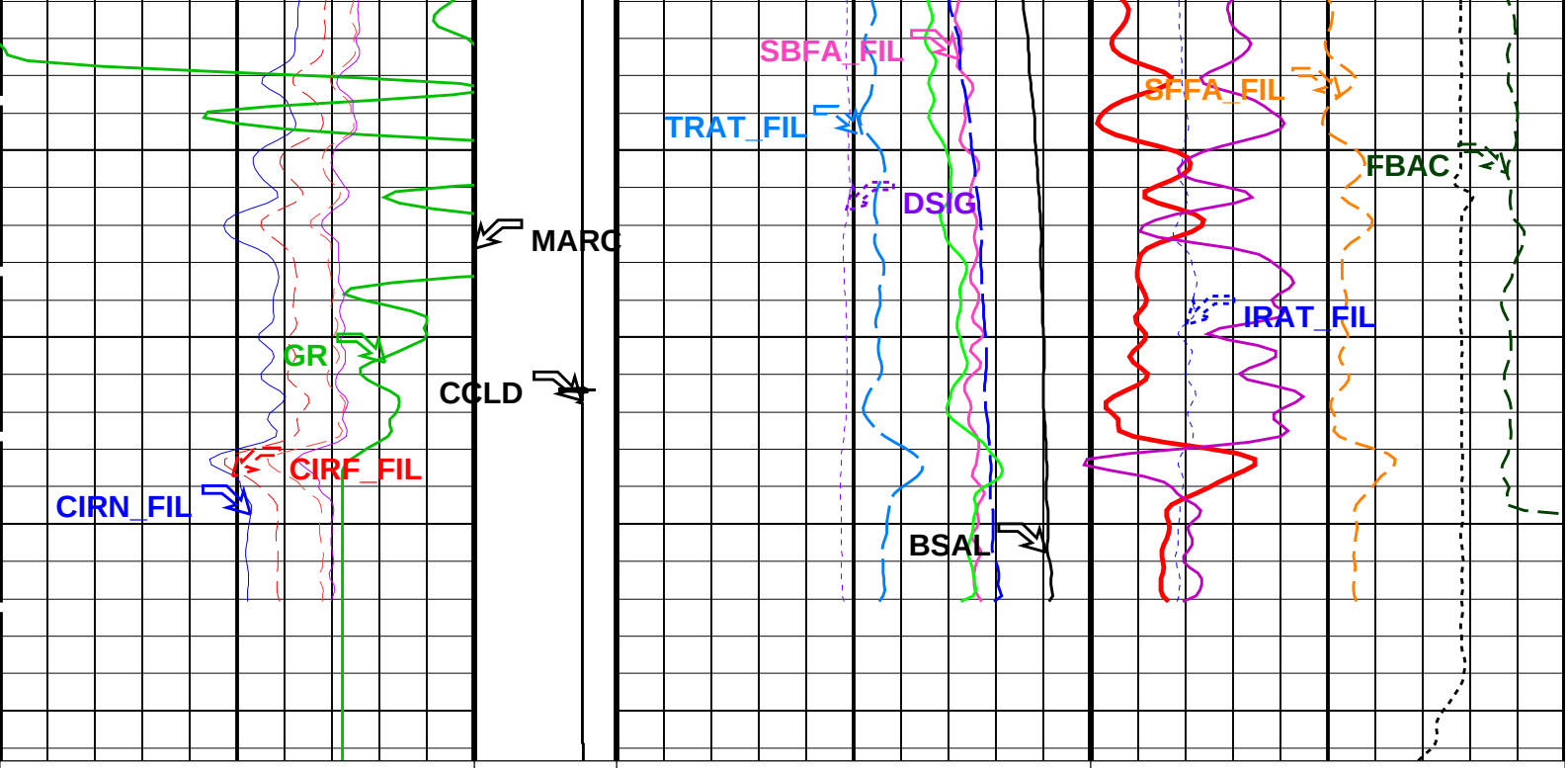
Gamma Ray (GR)
0 (GAPI) 150

Discriminated CCL (CCLD)
3 (V) -1

RST Borehole Salinity (BSAL)
450 (PPK) -50

RST Inelastic Ratio (IRAT_FIL)
0.75 (---- 0





Gamma Ray (GR)	Discriminated CCL (CCLD)	RST Borehole Salinity (BSAL)	RST Inelastic Ratio (IRAT_FIL)
0 (GAPI) 150	3 (V) −1	450 (PPK) −50	0.75 (---- 0
RST Capture to Inelastic Ratio Near (CIRN_FIL)	**Minitron Arc Detection (MARC)**	**RST Sigma Difference (DSIG)**	**MCS Far Background (filtered) (FBAC)**
2.5 (---- 0	0 (---- 5	−30 (CU) 30	0 (CPS) 5000
RST Capture to Inelastic Ratio Far (CIRF_FIL)		**RST Capture Ratio (TRAT_FIL)**	**Sigma Formation Far Apparent (SFFA_FIL)**
5 (---- 0		1.5 (---- 0.5	60 (CU) 0
RST Near Effective Capture CR (RSCN_RST)		**Sigma Borehole Far Apparent (SBFA_FIL)**	**Tension (TENS)**
45 (---- 0		150 (CU) 0	0 (LBF) 3000
RST Far Effective Capture CR (RSCF_RST)		**RST Sigma Borehole Fluid (SIBF)**	
45 (---- 0		100 (CU) 0	
		RST Porosity (TPHI)	
		0.6 (V/V) 0	
		RST Weighted Inelastic Ratio (WINR_RST)	
		0.4 (---- 0	
		RST Sigma (SIGM)	
		60 (CU) 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	26.40	LB/F

Format: RST_SIG_ANSW **Vertical Scale: 1:200** **Graphics File Created: 06−Nov−2008 04:56**

OP System Version: 16C0−147

MCM

RST−C	16C0−147	PSPT−B	16C0−147

Output DLIS Files

DEFAULT	RST_PSP_007LUP	FN:6	PRODUCER	06−Nov−2008 04:56		

Schlumberger

Gamma Ray Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: W−29**

Input DLIS Files

DEFAULT	RST_PSP_005LUP	FN:4	PRODUCER	06−Nov−2008 04:36	2419.7 M	2364.6 M

Output DLIS Files

DEFAULT	RST_PSP_006PUP	FN:5	PRODUCER	06−Nov−2008 04:44	2420.7 M	2360.2 M

OP System Version: 16C0−147

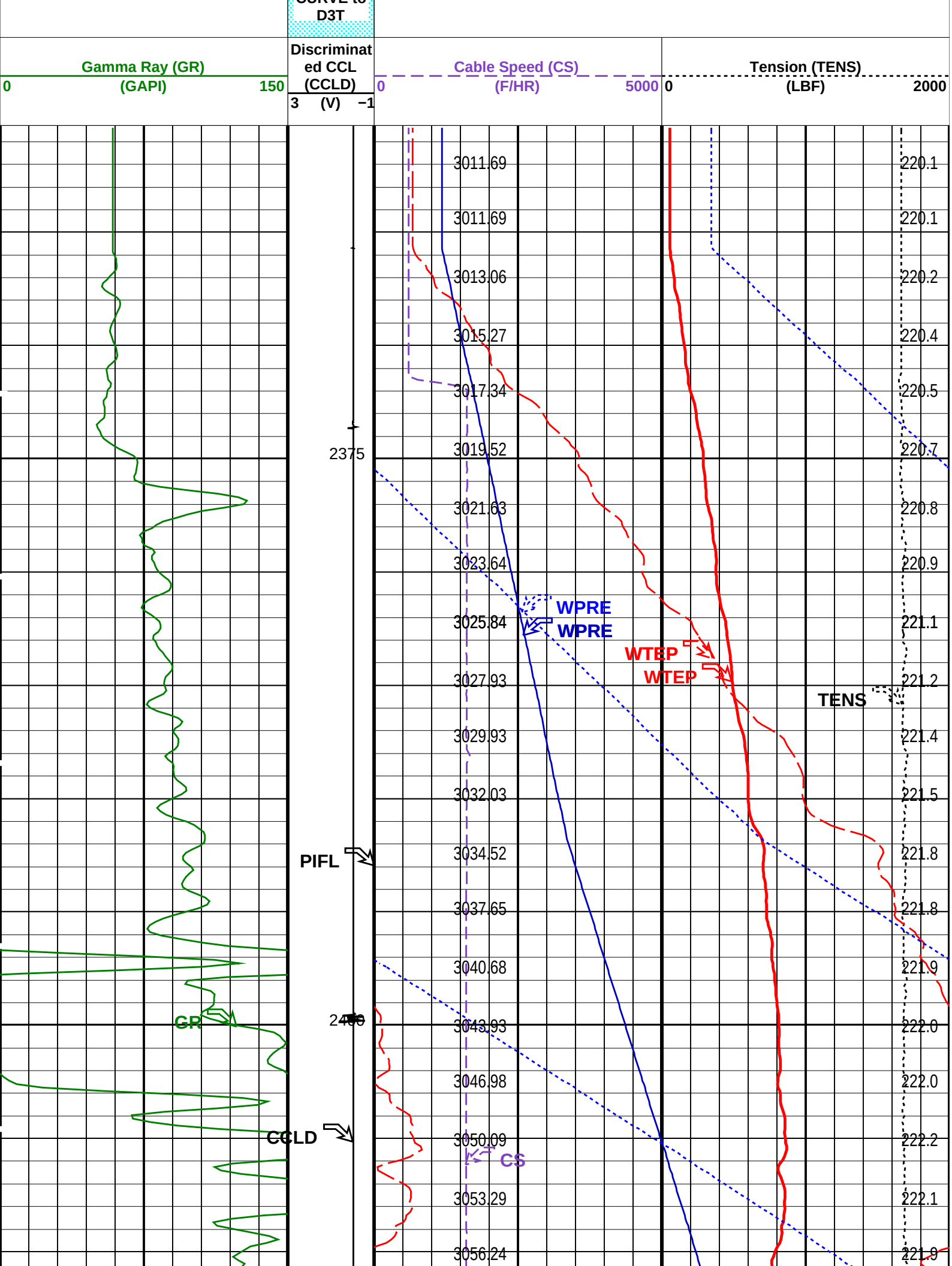
MCM

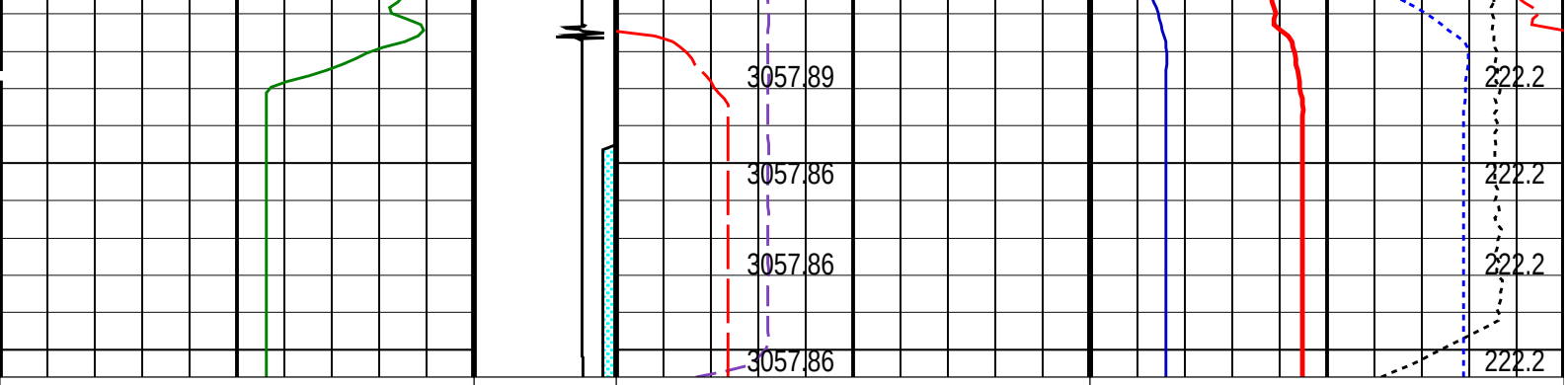
RST−C	16C0−147	PSPT−B	16C0−147

PIP SUMMARY

Time Mark Every 60 S

	Amplified Well Pressure (WPRE)	
	0 (PSIA) 20	
	Well Pressure (WPRE)	
	3000 (PSIA) 3100	
	Well Temperature (WTEP)	
	0 (DEGF) 2	
Well Pressure (WPRE) (PSIA)		Temperature (WTEP) (DEGF)
Perfo Zone From PERFO_ CURVE to	Well Temperature (WTEP)	
	215 (DEGF) 225	


CURVE to D3T
Gamma Ray (GR)
0
(GAPI)
150
Discriminated CCL (CCLD)
3
(V)
−1
Cable Speed (CS)
0
(F/HR)
5000
Tension (TENS)
0
(LBF)
2000
3011.69
3011.69
3013.06
3015.27
3017.34
3019.52
3021.63
3023.64
3025.84
3027.93
3029.93
3032.03
3034.52
3037.65
3040.68
3043.93
3046.98
3050.09
3053.29
3056.24
220.1
220.1
220.2
220.4
220.5
220.7
220.8
220.9
221.1
221.2
221.4
221.5
221.8
221.8
221.9
222.0
222.0
222.2
222.1
221.9
2375
2400
PIFL
CCLD
GR
WPRE
WPRE
WTEP
WTEP
TENS
CS



Gamma Ray (GR)	Discriminated CCL (CCLD)	Cable Speed (CS)	Tension (TENS)
0 (GAPI) 150	3 (V) −1	0 (F/HR) 5000	0 (LBF) 2000

Perfo Zone From PERFO_CURVE to D3T

Well Temperature (WTEP)
215 (DEGF) 225

Well Pressure (WPRE) (PSIA)		Temperature (WTEP) (DEGF)

Well Temperature (WTEP)
0 (DEGF) 2

Well Pressure (WPRE)
3000 (PSIA) 3100

Amplified Well Pressure (WPRE)
0 (PSIA) 20

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1_1 Vertical Scale: 1:200 Graphics File Created: 06−Nov−2008 04:44

OP System Version: 16C0−147

MCM

RST−C	16C0−147	PSPT−B	16C0−147

Parameters

DLIS Name	Description	Value	
	System and Miscellaneous		
DO	Depth Offset for Playback	1.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	RST_PSP_005LUP	FN:4	PRODUCER	06−Nov−2008 04:36	2419.7 M	2364.6 M

Output DLIS Files

DEFAULT	RST_PSP_006PUP	FN:5	PRODUCER	06−Nov−2008 04:44

Company: **Esso Australia Pty Ltd.**

Well: **W−29**

Field: **West Kingfish**

Rig: **Prod4 / Crane**

Schlumberger

Country:	**Australia**
	RST−C Sigma Carbon Oxygen Survey