Schlumberger

Company: **Esso Australia Pty Ltd.**

Well: **A−6**

Field: **Flounder**

Rig : **Prod4** Country: **Australia**

RST−C

Sigma Survey

14−Sep−2009

Rig : Prod4
Field: Flounder
Location: Gippsland
Well: A−6
Company: Esso Australia Pty Ltd.

LOCATION

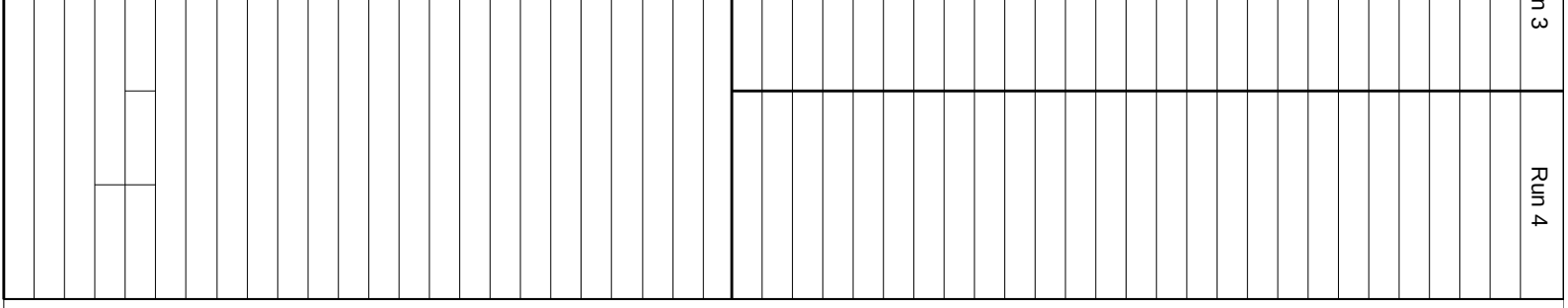
Gippsland		Elev.: K.B.	34.20 m
Basin		G.L.	−94.00 m
Bass Strait		D.F.	34.20 m
Permanent Datum:	M.S.L	Elev.:	0.00 m
Log Measured From:	D.F	40.80 m	above Perm. Datum
Drilling Measured From:	D.F		

State:	Max. Well Deviation	Longitude	Latitude
Victoria	64.5 deg	148 06'15.1"E	038 18'45.24"S

Logging Date		13−Sep−2009				
Run Number		One				
Depth Driller		4146 m				
Schlumberger Depth		4084 m				
Bottom Log Interval		4084 m				
Top Log Interval		4030.1 m				
Casing Fluid Type		Production Fluids				
Salinity						
Density						
Fluid Level		870 m				
BIT/CASING/TUBING STRING						
Bit Size		12.250 in				
From		13 m				
To		4040 m				
Casing/Tubing Size		7.000 in				
Weight		26 lbm/ft				
Grade		N−80				
From		360 m				
To		4146 m				
Maximum Recorded Temperatures		111 degC				
Logger On Bottom	Time	14−Sep−2009	14:15			
Unit Number	Location	889	Prod4			
Recorded By		O Darby				
Witnessed By		B Robinson				

	Run 1	Run 2	Run
PVT DATA			
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	64.5 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						
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	Time					
Unit Number	Location					
Recorded By						
Witnessed By						



DEPTH SUMMARY LISTING

Depth System Equipment

Date Created: 13−SEP−2009 16:19:58

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−EB	Type:	PSDS/OSDS	Type:	2−32ZT
Serial Number:	6373	Serial Number:	325357	Serial Number:	207505
Calibration Date:	2−Dec−2008	Calibration Date:	20−7−2009	Length:	6421 M
Calibrator Serial Number:	30	Calibrator Serial Number:	854		
Calibration Cable Type:	2−32ZT	Number of Calibration Points:	10	Conveyance Method:	Wireline
Wheel Correction 1:	−1	Calibration RMS:	281	Rig Type:	Offshore Fixed
Wheel Correction 2:	−2	Calibration Peak Error:	454		

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	ExxonMobil Petrophysical Analysis
Reference Log Run Number:	
Reference Log Date:	8−sep−2008
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. IDW used as primary depth control
2. Z−Chart used as back−up
3.
4.
5. All depths are drillers depths
6.

OTHER SERVICES1	OTHER SERVICES2
OS1: 4 1/2" Mpbt Plug	OS1:
OS2: 2 1/8" Powerjet	OS2:
OS3: MWPT Perforation	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Log correlated to Flounder A−6 composite supplied with logging program.	
Maximum well deviation = 64.5 degrees at 750m MDKB.	
Objective:	
Make up RST−A GR/CCL toolstring, RIH and position tools @ HUD, Correlate on	
depth. Start mintron and allow tool to stabilise for 15mins. With well shut−in,	
complete two passes over the interval 4030.1m to 4086.5m MDKB in sigma mode @	
900 ft/hr. POOH.	

900 ft/hr: POOH

SBHP: 3335 Pisa

SBHT: 3274 DegF

Crew : Andrew Hall & Chris Shiells.

RUN 1			RUN 2		
SERVICE ORDER #:		B69I−0000	SERVICE ORDER #:		
PROGRAM VERSION:		17C0−154	PROGRAM VERSION:		
FLUID LEVEL:		870 m	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

WITM−A 806
PSC_16MHZ 806

DOWNHOLE EQUIPMENT

AH−SWBS−B 789 13.30
AH−SWBS−B 789

AH−SWBS−B 788 12.61
AH−SWBS−B 788

AH−SWBS−B 787 11.93
AH−SWBS−B 787

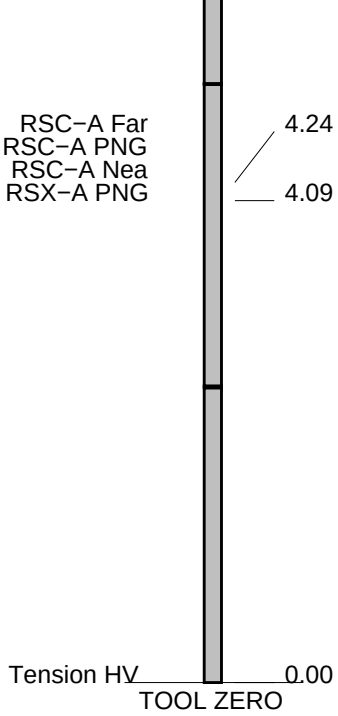
AH−SWBS−B 786 11.24
AH−SWBS−B 786

AH−SWBS−B 785 10.55
AH−SWBS−B 785

MH−SWHS−A 759 9.87
MH−SWHS−A 759
Detail MT
TelStatus
CTEM 9.54

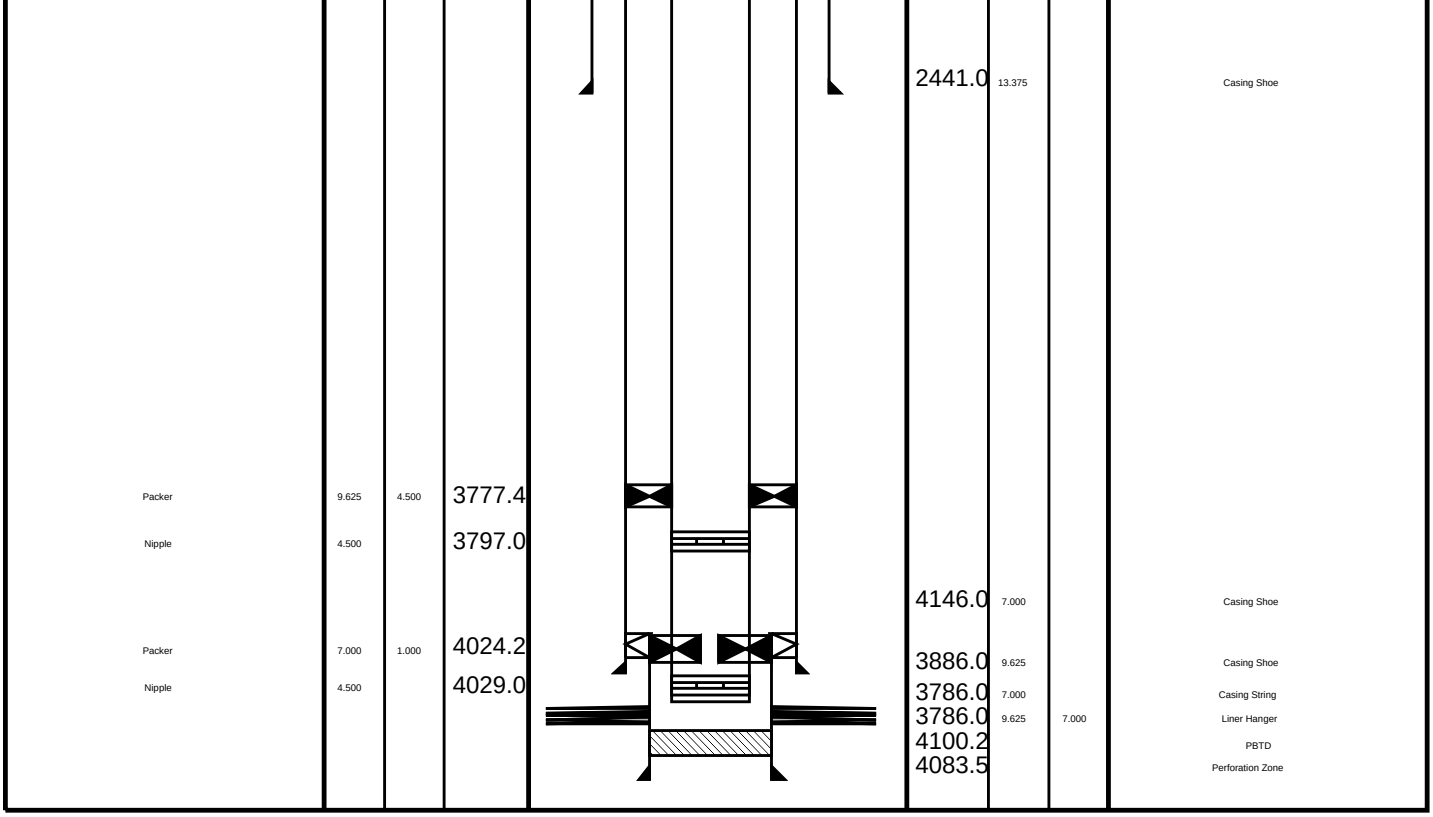
PSPT−A/B 827 9.54
PSC−A 806
PSPT−B 827
PSTC 806
PBMS−B 827
CQG_F_Mano 827
RTD_Thermometer 827
GR 827
CCL 827
PBMS 827
GR 8.41
Well_Temp 7.48
CQG Manom 7.37
CCL 7.25
PBMS PSTC 7.02

RST−C 0 7.02
RSCH−A 471
RSC−C 471
RSS−A 463
RSXH−A 500
RSX−C 500



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	4.500		12.8		16.0	18.625		Casing String
Tubing Hanger	9.625	4.500	11.0		16.0	18.000	19.625	Liner Hanger
Shutin Valve	4.500		457.0					
					687.0	16.000		Casing Shoe
Gas Lift Mandrel	4.500		969.0					
Gas Lift Mandrel	4.500		1874.3					
Nipple	4.500		1890.0					



Schlumberger

Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Simulated Log OP checked toolstring	14-Sep-2009 8:14	000:01		RST_PSP_014LUP
Log Pass (up) RST Correlation pass	14-Sep-2009 9:15	000:08	4086.1 - 4012.8	RST_PSP_016LUP
Log Pass (up) RST Sigma pass # 1	14-Sep-2009 9:46	000:15	4087.8 - 4015.9	RST_PSP_018LUP
Log Pass (up) RST Sigma pass # 2	14-Sep-2009 10:08	000:15	4088.0 - 4015.0	RST_PSP_020LUP

Schlumberger

RST−C Sigma Survey
Repeat selection

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: A−6**

Input DLIS Files

DEFAULT	RST_PSP_032PUP	FN:30	PRODUCER	14−Sep−2009 15:38	4088.0 M	4024.4 M
DEFAULT	RST_PSP_031PUP	FN:29	PRODUCER	14−Sep−2009 15:36	4087.8 M	4024.4 M

Output DLIS Files

DEFAULT	RST_PSP_033PUP	FN:31	PRODUCER	14−Sep−2009 15:39	4088.0 M	4024.4 M

OP System Version: 17C0−154

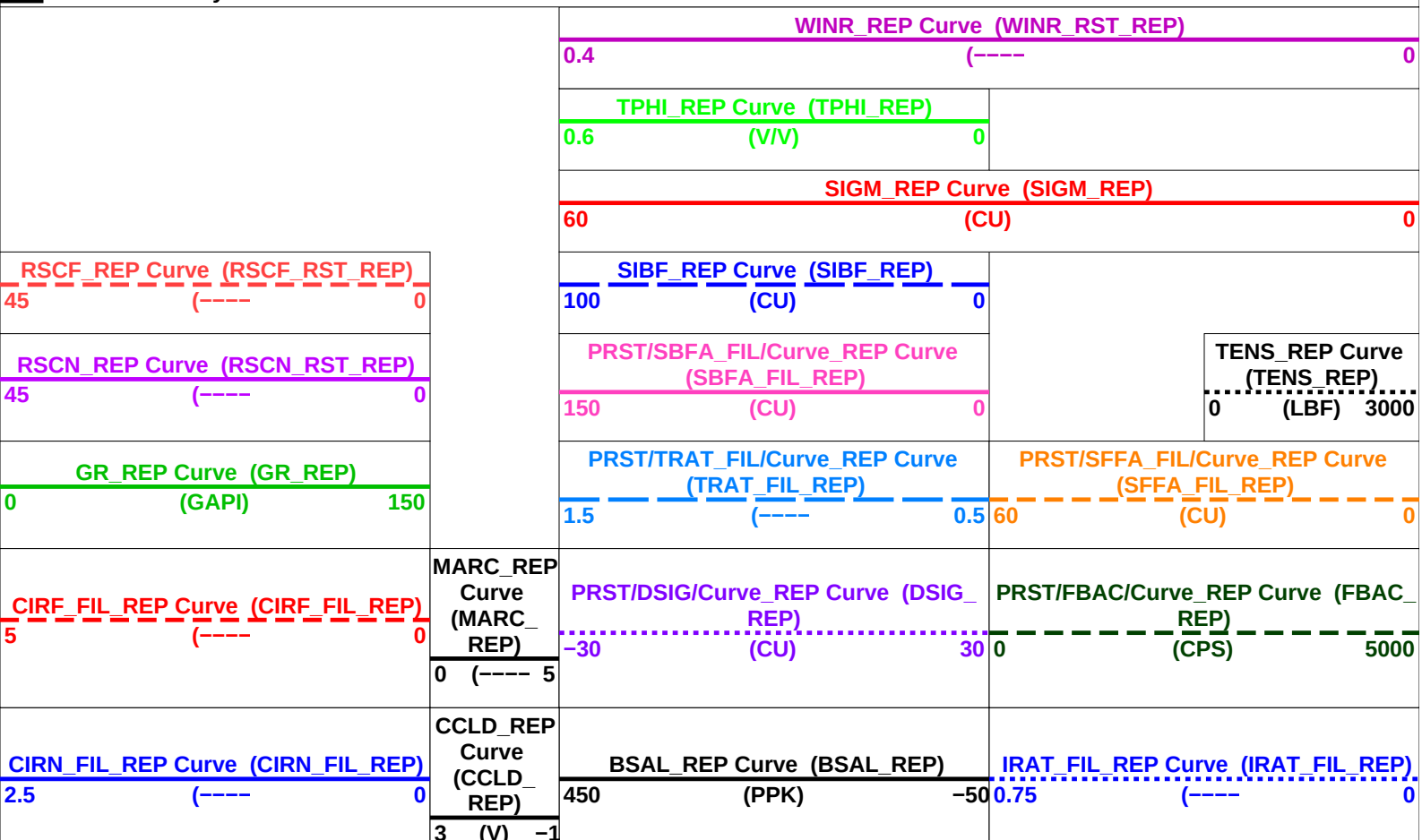
RST−C	17C0−154	PSPT−A/B	17C0−154

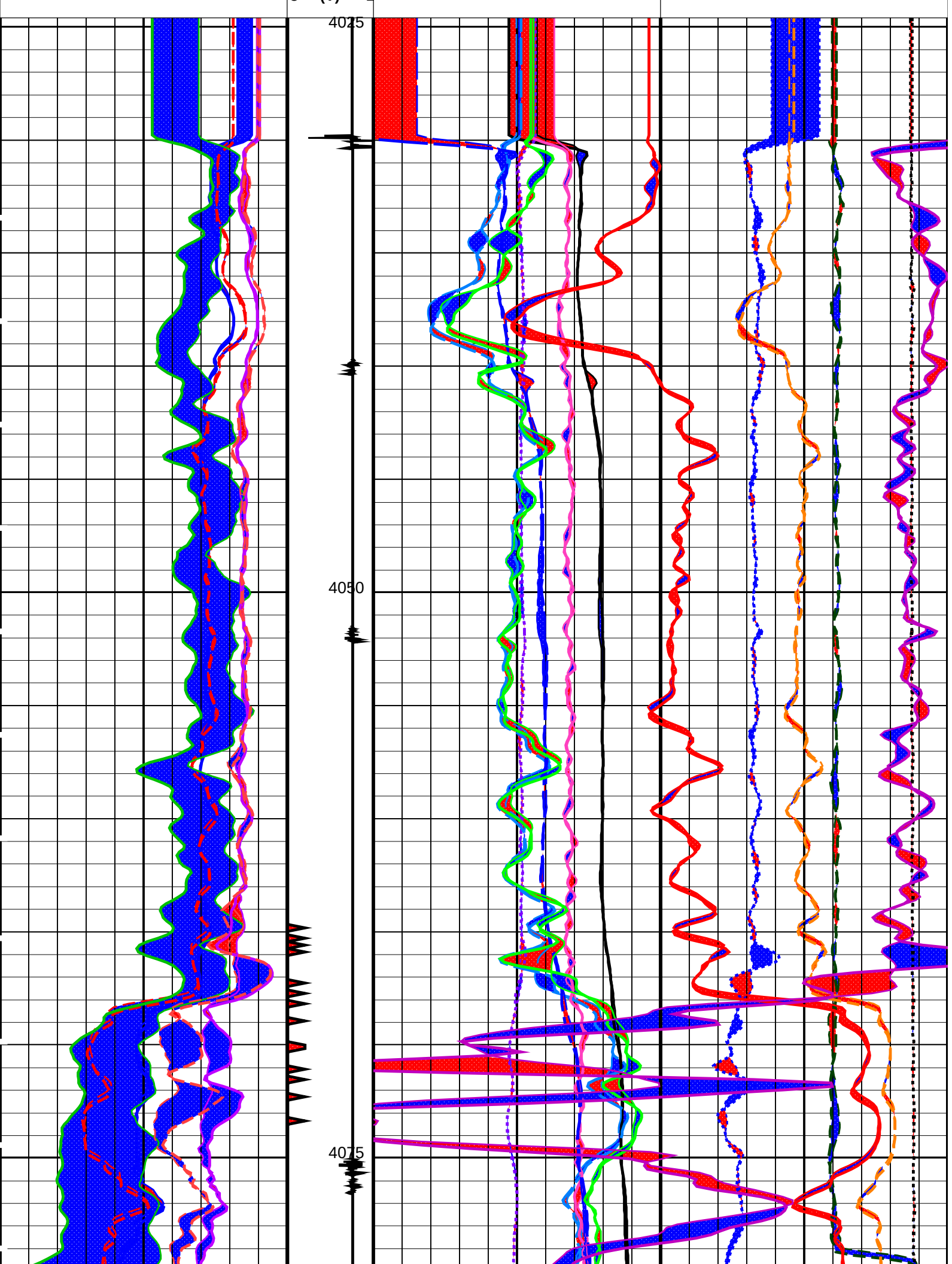
Changed Parameter Summary

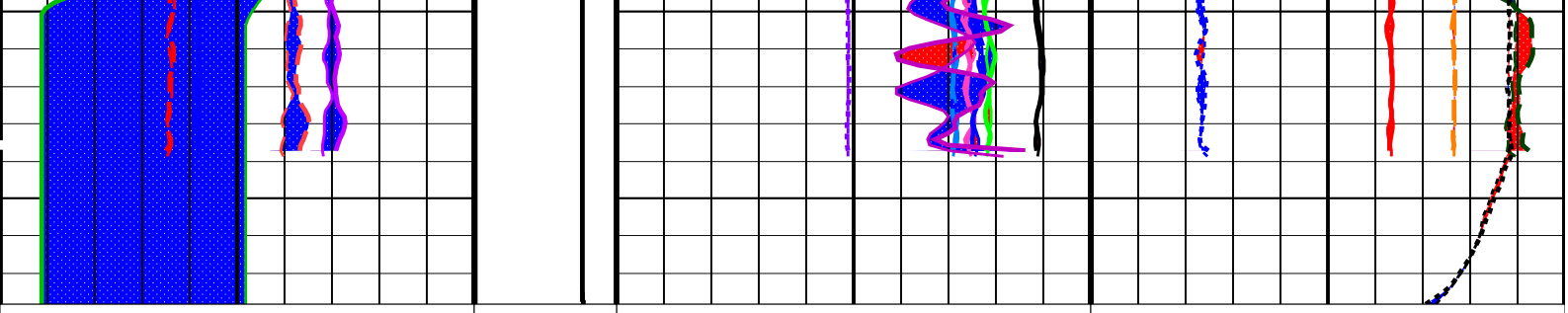
DLIS Name	New Value	Previous Value	Depth & Time
BS	8.500 IN	12.250 IN	4088.0 15:39:47
	12.250 IN	8.500 IN	4040.0 15:39:51

PIP SUMMARY

Time Mark Every 60 S




4025
4050
4075



CIRN_FIL_REP Curve (CIRN_FIL_REP)
2.5 (---- 0

CCLD_REP Curve (CCLD_REP)
3 (V) −1

BSAL_REP Curve (BSAL_REP)
450 (PPK) −50

IRAT_FIL_REP Curve (IRAT_FIL_REP)
0.75 (---- 0

CIRF_FIL_REP Curve (CIRF_FIL_REP)
5 (---- 0

MARC_REP Curve (MARC_REP)
0 (---- 5

PRST/DSIG/Curve_REP Curve (DSIG_REP)
−30 (CU) 30

PRST/FBAC/Curve_REP Curve (FBAC_REP)
0 (CPS) 5000

GR_REP Curve (GR_REP)
0 (GAPI) 150

PRST/TRAT_FIL/Curve_REP Curve (TRAT_FIL_REP)
1.5 (---- 0.5

PRST/SFFA_FIL/Curve_REP Curve (SFFA_FIL_REP)
60 (CU) 0

RSCN_REP Curve (RSCN_RST_REP)
45 (---- 0

PRST/SBFA_FIL/Curve_REP Curve (SBFA_FIL_REP)
150 (CU) 0

TENS_REP Curve (TENS_REP)
0 (LBF) 3000

RSCF_REP Curve (RSCF_RST_REP)
45 (---- 0

SIBF_REP Curve (SIBF_REP)
100 (CU) 0

SIGM_REP Curve (SIGM_REP)
60 (CU) 0

TPHI_REP Curve (TPHI_REP)
0.6 (V/V) 0

WINR_REP Curve (WINR_RST_REP)
0.4 (---- 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−A/B: Production Services Logging Platform		
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
	System and Miscellaneous		
BS	Bit Size	12.250	IN
BSAL	Borehole Salinity	−50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	0.0	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	NORMAL	

Format: RST_SIG_ANSW_REP Vertical Scale: 1:200 Graphics File Created: 14−Sep−2009 15:39

OP System Version: 17C0−154

RST−C	17C0−154	PSPT−A/B	17C0−154

Input DLIS Files

DEFAULT	RST_PSP_032PUP	FN:30	PRODUCER	14−Sep−2009 15:38	4088.0 M	4024.4 M
DEFAULT	RST_PSP_031PUP	FN:29	PRODUCER	14−Sep−2009 15:36	4087.8 M	4024.4 M

Output DLIS Files

DEFAULT	RST_PSP_033PUP	FN:31	PRODUCER	14−Sep−2009 15:39		

Schlumberger

RST−C Sigma Pass # 2
4030m − 4084m MDKB

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A−6

Input DLIS Files

DEFAULT	RST_PSP_022PUP	FN:21	PRODUCER	14−Sep−2009 10:28	4088.0 M	4024.4 M

Output DLIS Files

DEFAULT	RST_PSP_032PUP	FN:30	PRODUCER	14−Sep−2009 15:38	4088.0 M	4024.4 M

OP System Version: 17C0−154

RST−C	17C0−154	PSPT−A/B	17C0−154

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
BS	8.500 IN	12.250 IN	4088.0 15:38:13
	12.250 IN	8.500 IN	4040.0 15:38:18

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 Far Effective Capture CR (RSCF_RST)
45 (−−−− 0

RST Sigma Borehole Fluid (SIBF)
100 (CU) 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

4025

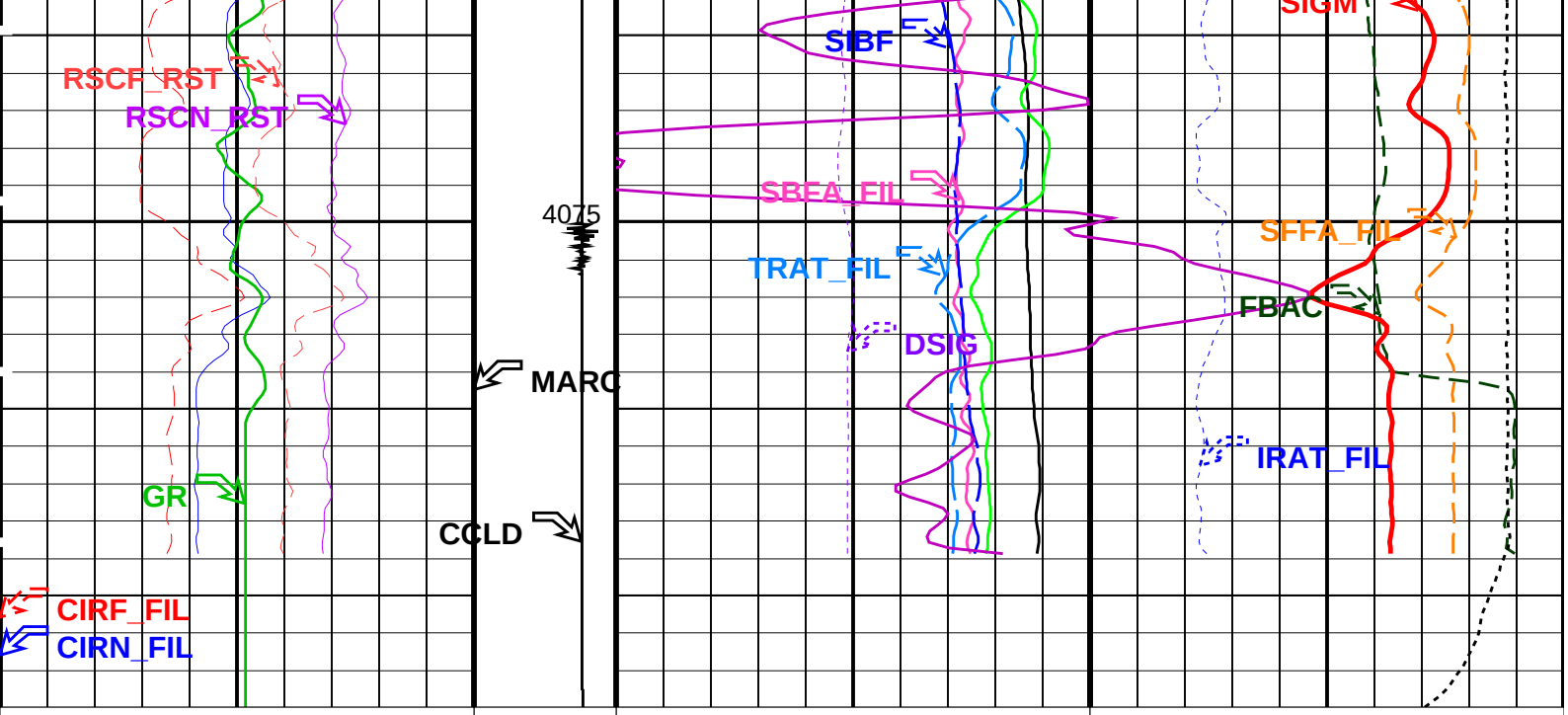
4050

WINR_RST

TENS

TPHI

SIGM



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	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	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 Near Effective Capture CR (RSCN_RST) 45 (----- 0
Sigma Borehole Far Apparent (SBFA_FIL) 150 (CU) 0	Tension (TENS) 0 (LBF) 3000	RST Far Effective Capture CR (RSCF_RST) 45 (----- 0
RST Sigma Borehole Fluid (SIBF) 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	60 CU

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−A/B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
System and Miscellaneous			
BS	Bit Size	12.250	IN
BSAL	Borehole Salinity	−50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: RST_SIG_ANSW Vertical Scale: 1:200 Graphics File Created: 14−Sep−2009 15:38

OP System Version: 17C0−154

RST−C	17C0−154	PSPT−A/B	17C0−154

Input DLIS Files

DEFAULT	RST_PSP_022PUP	FN:21	PRODUCER	14−Sep−2009 10:28	4088.0 M	4024.4 M

Output DLIS Files

DEFAULT	RST_PSP_032PUP	FN:30	PRODUCER	14−Sep−2009 15:38		

Schlumberger

RST−C Sigma Pass # 1
4030m − 4084m MDKB

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A−6

Input DLIS Files

DEFAULT	RST_PSP_021PUP	FN:20	PRODUCER	14−Sep−2009 10:27	4087.8 M	4024.4 M

Output DLIS Files

DEFAULT	RST_PSP_031PUP	FN:29	PRODUCER	14−Sep−2009 15:36	4087.8 M	4024.4 M

OP System Version: 17C0−154

RST−C	17C0−154	PSPT−A/B	17C0−154

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
BS	8.500 IN	12.250 IN	4087.8 15:36:07
	12.250 IN	8.500 IN	4040.0 15:36:12

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

RST Sigma Borehole Fluid (SIBF)
100 (CU) 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

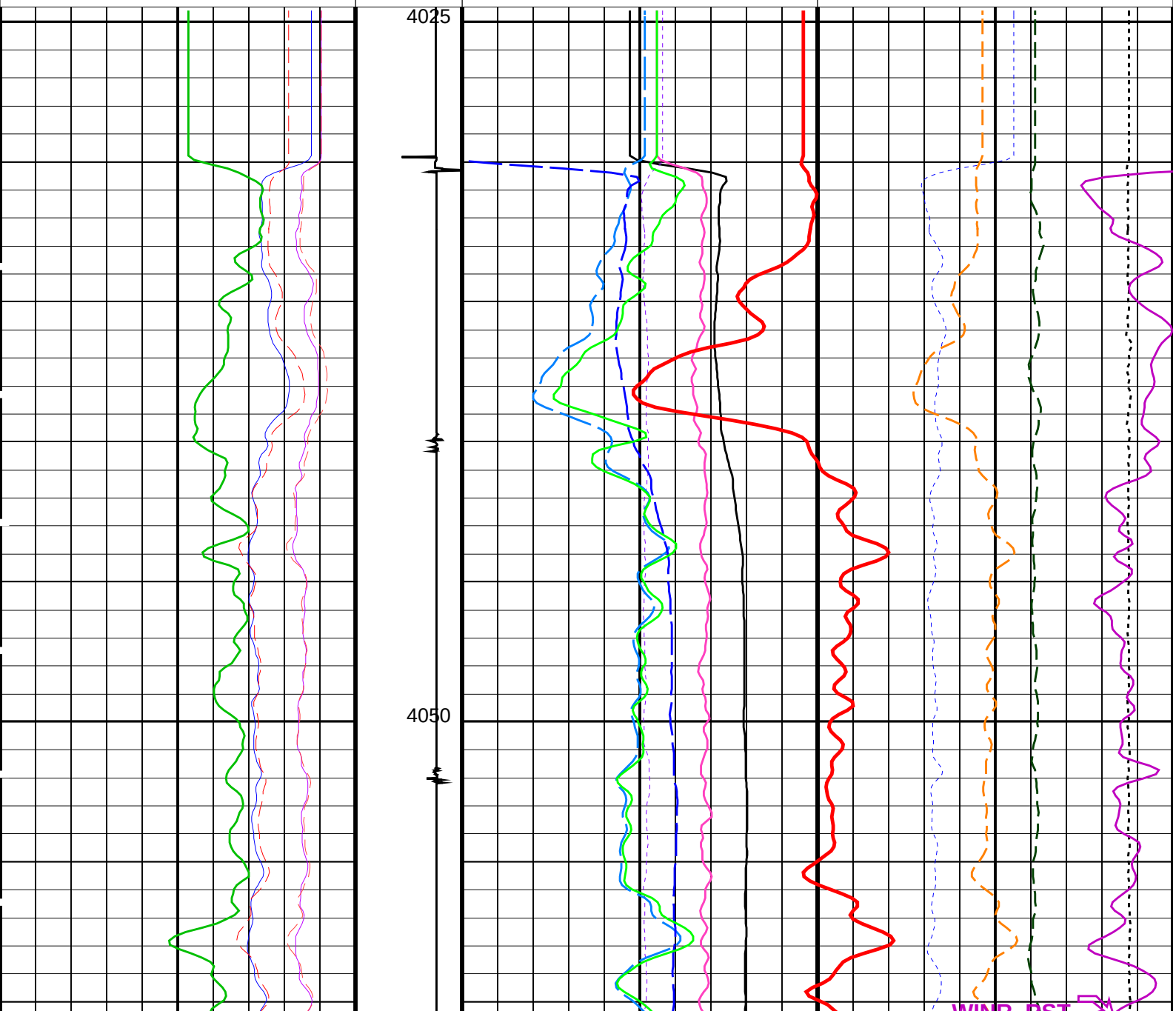
MCS Far Background (filtered) (FBAC)
0 (CPS) 5000

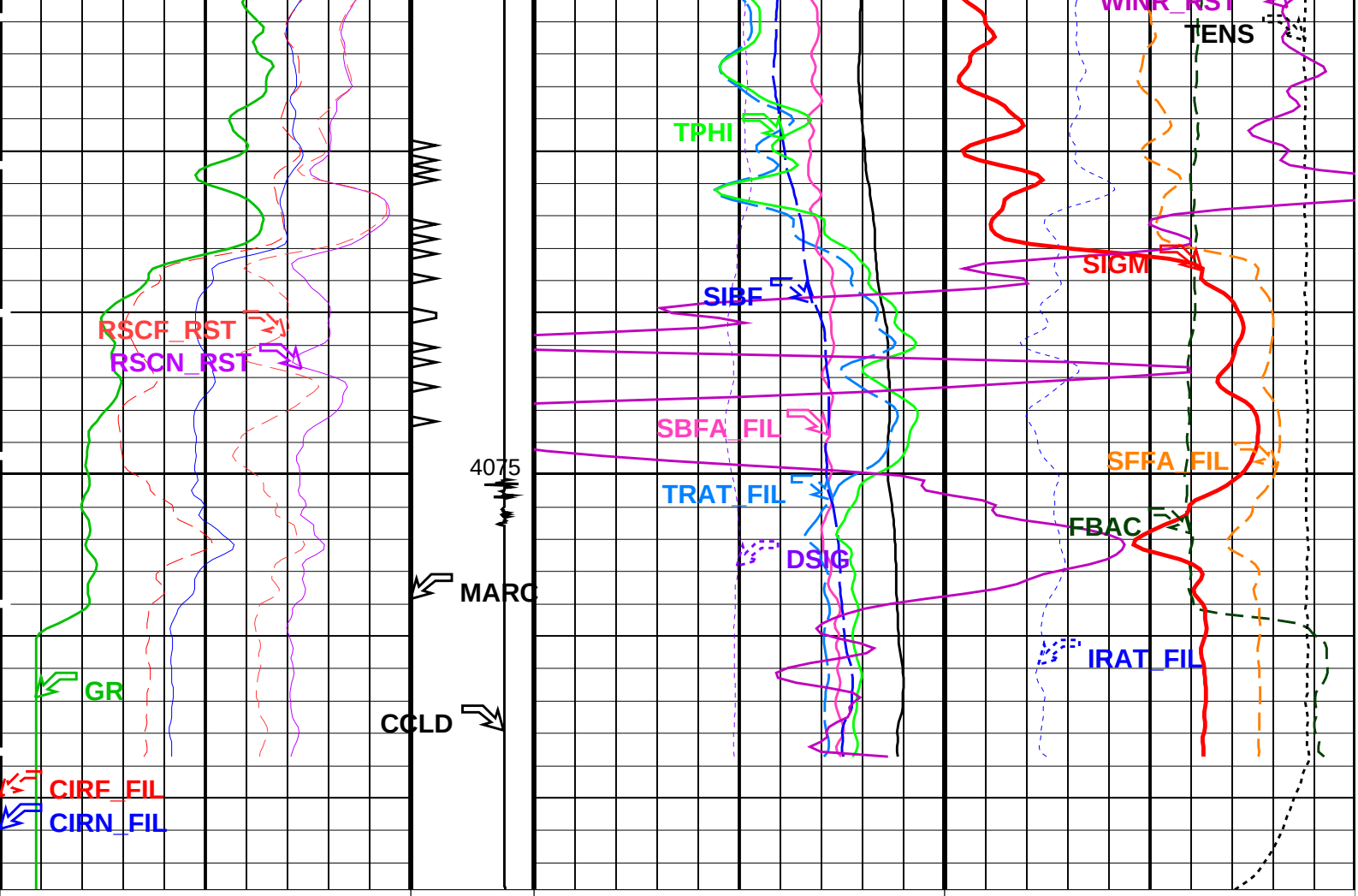
Gamma Ray (GR)
0 (GAPI) 150

Discriminated CCL (CCLD)
3 (V) −1

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

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





Gamma Ray (GR) 0 (GAPI) 150	Discriminated CCL (CCLD) 3 (V) −1	RST Borehole Salinity (BSAL) 450 (PPK) −50
RST Capture to Inelastic Ratio Near (CIRN_FIL) 2.5 (---- 0	Minitron Arc Detection (MARC) 0 (---- 5	RST Sigma Difference (DSIG) −30 (CU) 30
RST Capture to Inelastic Ratio Far (CIRF_FIL) 5 (---- 0		RST Capture Ratio (TRAT_FIL) 1.5 (---- 0.5
RST Near Effective Capture CR (RSCN_RST) 45 (---- 0		Sigma Borehole Far Apparent (SBFA_FIL) 150 (CU) 0
RST Far Effective Capture CR (RSCF_RST) 45 (---- 0		RST Sigma Borehole Fluid (SIBF) 100 (CU) 0
		RST Porosity (TPHI) 0.6 (V/V) 0

RST Inelastic Ratio (IRAT_FIL) 0.75 (---- 0	
MCS Far Background (filtered) (FBAC) 0 (CPS) 5000	
Sigma Formation Far Apparent (SFFA_FIL) 60 (CU) 0	
Tension (TENS) 0 (LBF) 3000	
RST Weighted Inelastic Ratio (WINR_RST) 0.4 (---- 0	
RST Sigma (SIGM) 60 (CU) 0	

PIP SUMMARY

Time Mark Every 60 S

Parameters

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−A/B: Production Services Logging Platform		
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
	System and Miscellaneous		
BS	Bit Size	12.250	IN
BSAL	Borehole Salinity	−50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: RST_SIG_ANSW **Vertical Scale: 1:200** **Graphics File Created: 14−Sep−2009 15:36**

OP System Version: 17C0−154

RST−C	**17C0−154**	**PSPT−A/B**	**17C0−154**

Input DLIS Files

DEFAULT	**RST_PSP_021PUP**	**FN:20**	**PRODUCER**	**14−Sep−2009 10:27**	**4087.8 M**	**4024.4 M**

Output DLIS Files

DEFAULT	**RST_PSP_031PUP**	**FN:29**	**PRODUCER**	**14−Sep−2009 15:36**

Schlumberger

RST−C Sigma Survey
Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: A−6**

Input DLIS Files

DEFAULT	**RST_PSP_017PUP**	**FN:16**	**PRODUCER**	**14−Sep−2009 09:24**	**4088.1 M**	**4009.3 M**

Output DLIS Files

DEFAULT	**RST_PSP_019PUP**	**FN:18**	**PRODUCER**	**14−Sep−2009 10:05**	**4088.0 M**	**4003.7 M**

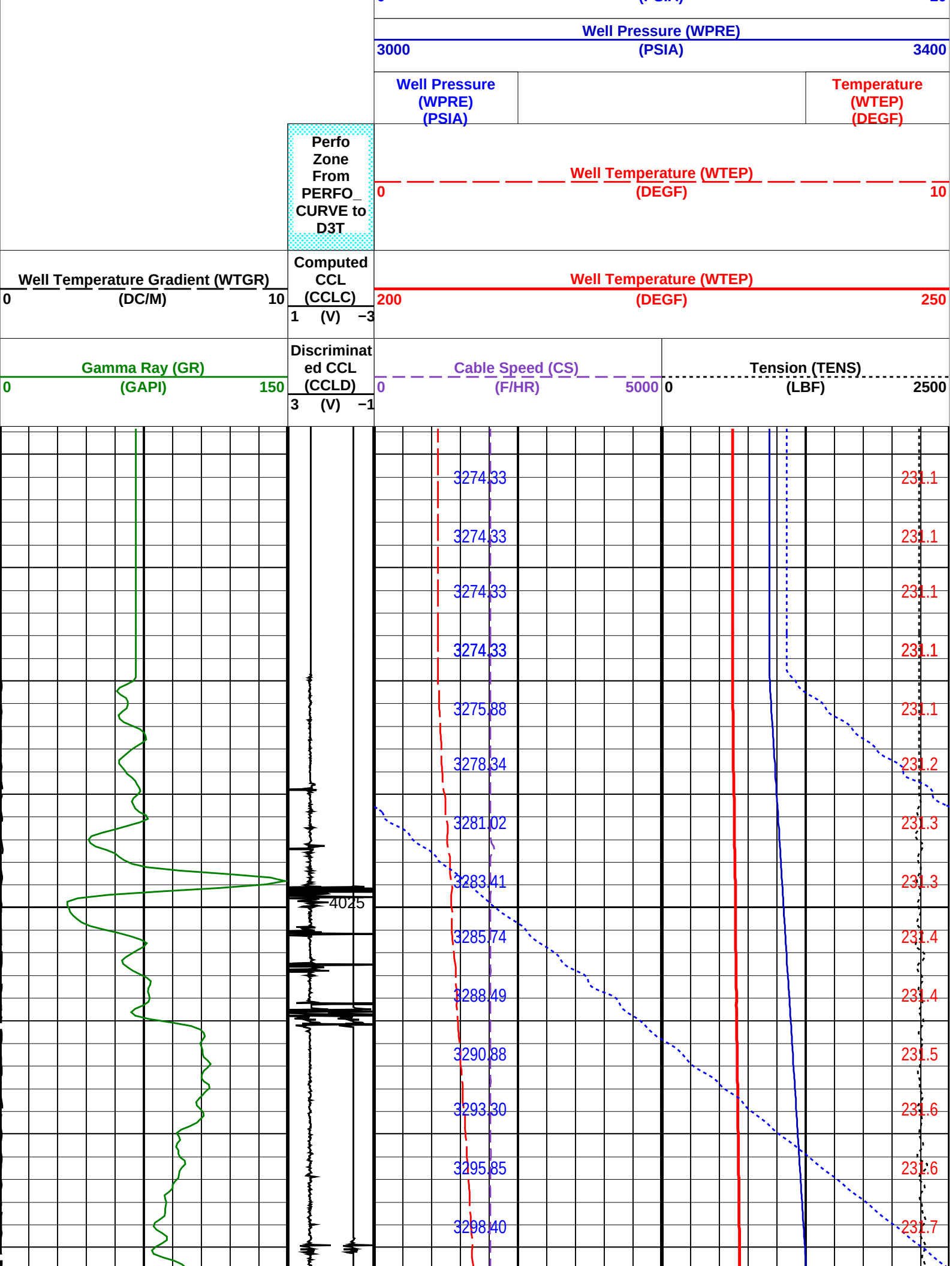
OP System Version: 17C0−154

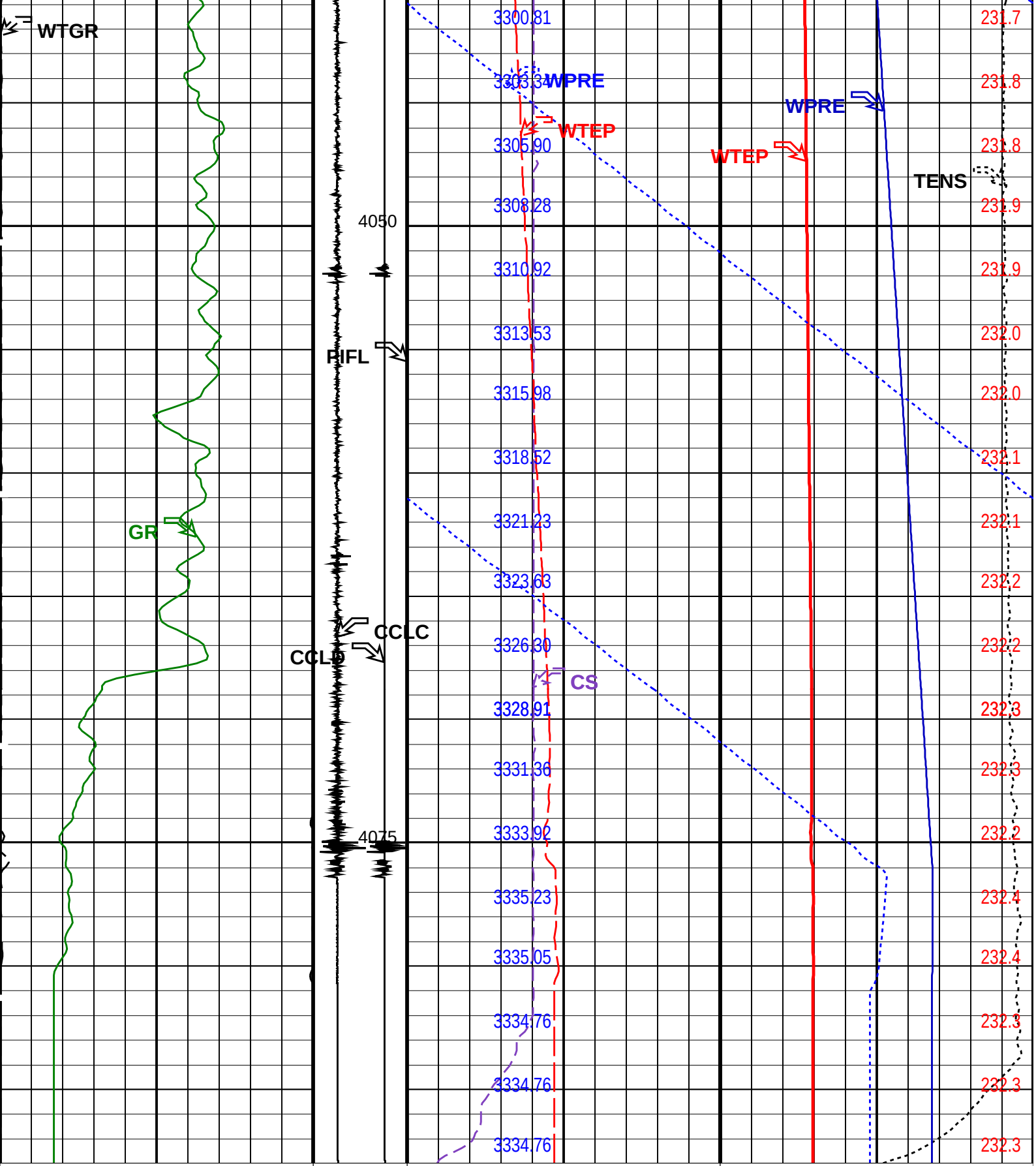
RST−C	**17C0−154**	**PSPT−A/B**	**17C0−154**

PIP SUMMARY

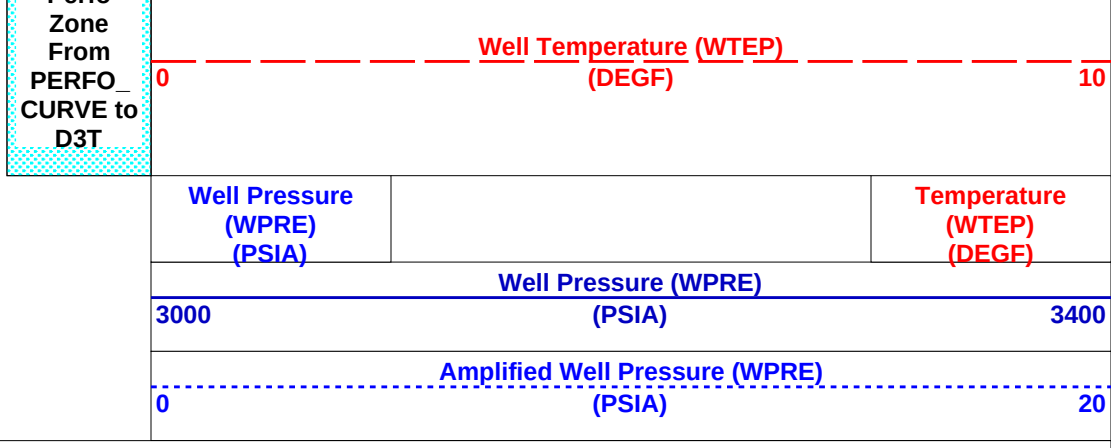
Time Mark Every 60 S

	Amplified Well Pressure (WPRE)
	0 (PSIA) 20


Well Pressure (WPRE)
3000
(PSIA)
3400
Well Pressure (WPRE) (PSIA)
Temperature (WTEP) (DEGF)
Perfo Zone From PERFO_ CURVE to D3T
Well Temperature (WTEP)
0
(DEGF)
10
Well Temperature Gradient (WTGR)
0
(DC/M)
10
Computed CCL (CCLC)
1
(V)
−3
Well Temperature (WTEP)
200
(DEGF)
250
Gamma Ray (GR)
0
(GAPI)
150
Discriminated CCL (CCLD)
3
(V)
−1
Cable Speed (CS)
0
(F/HR)
5000
Tension (TENS)
0
(LBF)
2500
3274.33
3274.33
3274.33
3274.33
3275.88
3278.34
3281.02
3283.41
4025
3285.74
3288.49
3290.88
3293.30
3295.85
3298.40
231.1
231.1
231.1
231.1
231.1
231.2
231.3
231.3
231.4
231.4
231.5
231.6
231.6
231.7



Gamma Ray (GR) 0 (GAPI) 150	Discriminated CCL (CCLD) 3 (V) −1	Cable Speed (CS) 0 (F/HR) 5000	Tension (TENS) 0 (LBF) 2500
Well Temperature Gradient (WTGR) 0 (DC/M) 10	Computed CCL (CCLC) 1 (V) −3	Well Temperature (WTEP) 200 (DEGF) 250	
	Perfo		



PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 **Vertical Scale: 1:200** **Graphics File Created: 14−Sep−2009 10:05**

OP System Version: 17C0−154

RST−C	**17C0−154**	**PSPT−A/B**	**17C0−154**

Parameters

DLIS Name	Description	Value
	System and Miscellaneous	
DO	**Depth Offset for Playback**	**−0.2 M**
PP	**Playback Processing**	**NORMAL**

Input DLIS Files

DEFAULT	**RST_PSP_017PUP**	**FN:16**	**PRODUCER**	**14−Sep−2009 09:24**	**4088.1 M**	**4009.3 M**

Output DLIS Files

DEFAULT	**RST_PSP_019PUP**	**FN:18**	**PRODUCER**	**14−Sep−2009 10:05**

Schlumberger

PBMS − GR Calibration

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Production Services Logging Platform Wellsite Calibration − Detector Calibration							
Before: 13−Sep−2009 10:04 After: 13−Sep−2009 10:08							
Gamma−Ray Jig−Bkg	110.0	N/A	106.2	108.7	2.486	N/A	GAPI

Production Services Logging Platform / Equipment Identification

Primary Equipment:

Production Logging Platform (COG_F)	PSPT_B	827	827

Production Logging Platform (CQG−F)	PSPT − B	827	827
PSP Basic Measurement Sonde (CQG_F)	PBMS − B	827	827
PSP Basic measurement module	PBMS −	827	827
PSP CCL	CCL −	827	827
PSP GR	GR −	827	827
PSP RTD Well Temperature	RTD_ −	827	827
PSP Crystal Quartz Gauge Type F	CQG_ −	827	827
PSP Telemetry and bus master cartridge	PSTC −	806	806

Auxiliary Equipment:

Production Services Logging Platform Wellsite Calibration

Detector Calibration

Phase	Gamma−Ray Background GAPI	Value	Phase	Gamma−Ray Jig−Bkg GAPI	Value
Before		4.327	Before		106.2
After		4.023	After		108.7
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			95.00 (Minimum) 110.0 (Nominal) 125.0 (Maximum)	

Before: 13−Sep−2009 10:04 After: 13−Sep−2009 10:08

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **A−6**
Field: **Flounder**
Rig : **Prod4**
Country: **Australia**

RST−C
Sigma Survey
14−Sep−2009