Rig : Prod 4 / Crane

Schlumberger

Company: **Esso Australia Pty Ltd**

Well: **A−23**

Field: **Mackerel**

Rig : **Prod 4 / Crane** Country: **Australia**

Dual Deft / Spinner
GR−PLT−Gradic
Survey

Field: Mackerel
Location: Gippsland
Well: A−23
Company: Esso Australia Pty Ltd

LOCATION

Gippsland	Elev.:	K.B.	39.5 m
Basin		G.L.	−93 m
Bass Strait		D.F.	39.5 m
Permanent Datum: MSL	Elev.: 39.5 m		
Log Measured From: DF	−39.5 m above Perm. Datum		
Drilling Measured From: DF			

State:	Max. Well Deviation	Longitude	Latitude
Victoria	33 deg	140 20' 33.955"E	038 28' 44.7719"S

ogging Date		30−Jul−2008				
un Number		One				
epth Driller		2732 m				
chlumberger Depth		2667 m				
ottom Log Interval		2595 m				
op Log Interval		2625 m				
asing Fluid Type		Production Fluids				
alinity						
ensity		1 g/cm3				
uid Level						
BIT/CASING/TUBING STRING						
it Size		9.785 in				
rom		21 m				
o		2732 m				
asing/Tubing Size		7.625 in				
eight		29.7 lbm/ft				
rade		L−80				
rom		21.7 m				
o		2707.42 m				
aximum Recorded Temperatures		104 degC				
ogger On Bottom	Time	26−Jul−2008	10:54			
nit Number	Location	889	AUSL / Prod4			
ecorded By		Gordon Wright				
itnessed By		Barrie White				

PVT DATA		Run 1
	Oil Density	
	Water Salinity	
	Gas Gravity	
	Bo	
	Bw	
	1/Bg	
	Bubble Point Pressure	
	Bubble Point Temperature	
	Solution GOR	
	Maximum Deviation	33 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

Date Created: 29−JUL−2008 14:01:20

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−BE	Type:	PSDS/OSDS	Type:	2−32ZT
Serial Number:	6373	Serial Number:	325357	Serial Number:	24425
Calibration Date:	05−Jul−2006	Calibration Date:	26−Apr−2007	Length:	7000.04 M
Calibrator Serial Number:	9	Calibrator Serial Number:	1174		
Calibration Cable Type:	2−32ZT	Calibration Gain:	0.91	Conveyance Method:	Wireline
Wheel Correction 1:	−2	Calibration Offset:	217.00	Rig Type:	Rigless
Wheel Correction 2:	−4				

Depth Control Parameters

Log Sequence: Subsequent Log In the Well

Reference Log Name: Solar Composite Correlation
Reference Log Run Number: 1

Depth Control Remarks

1. IDW used as primary depth control.
2. Z chart as secondary back−up.

OTHER SERVICES1
OS1: None

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Log correlated to ExxonMobil solar composite provided by client.	
Maximum well deviation = 33 Degrees @ 2518.0m MDKB	
Dual deft, PLT survey conducted from 2595.0m to 2625.0m MDKB	
4 static and 4 flowing passes logged at differing speeds.	
SBHP = 3300.0Psia, SBHT = 222DegF	
FBHP = 3233.0Psia, FBHT = 222 DegF	
Well test results during XXmin test :	
Total fluids = 56 kl/d.	
Gas lift in = 25 Km3/d, Gas out = .3 km3/d	

Flt 93 = DegC

Crew

John Light & Chris Shiells

RUN 1			RUN 2		
SERVICE ORDER #: Ausl 08509130			SERVICE ORDER #:		
PROGRAM VERSION: 15C0−309			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

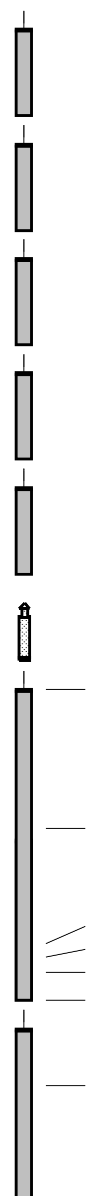
RUN 1

RUN 2

SURFACE EQUIPMENT

WITM−A 827
PSC_16MHZ 827

DOWNHOLE EQUIPMENT



AH−SWBS−B 783 0 — 12.14
AH−SWBS−B 783

AH−SWBS−B 784 0 — 11.44
AH−SWBS−B 784

AH−SWBS−B 785 0 — 10.74
AH−SWBS−B 785

AH−SWBS−B 786 0 — 10.04
AH−SWBS−B 786

AH−SWBS−B 787 0 — 9.34
AH−SWBS−B 787

MH−SWHS−A 759 0 — 8.64
MH−SWHS−A 759

Detail MT
TelStatus
CTEM — 8.16

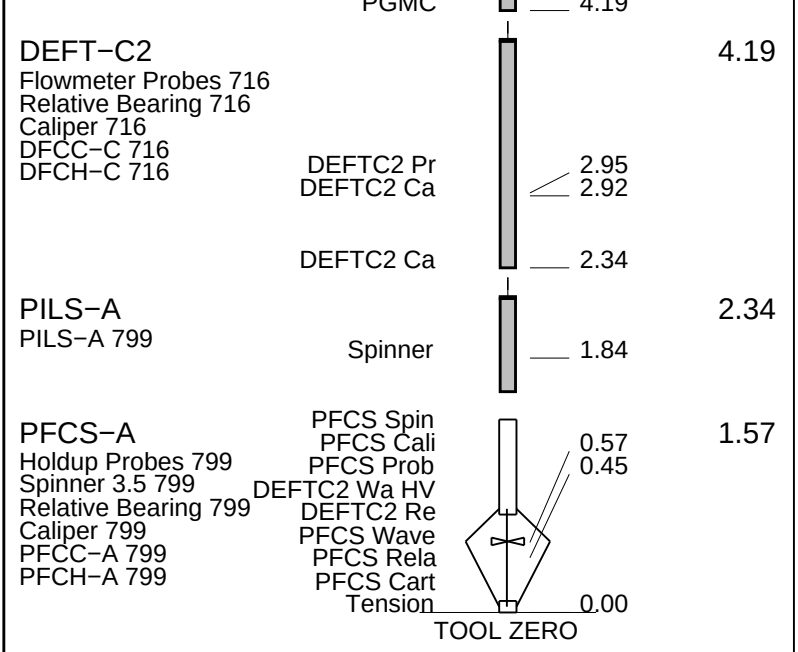
PSPT−A/B — 8.16
PSC−A 806
PSPT−B 827
PSTC 827
PBMS−B 827
CQG_F_Mano 827
RTD_Thermometer 827
GR 827
CCL 827
PBMS 827

GR — 7.03
Well_Temp — 6.10
CQG Manom — 5.99
CCL — 5.87
PBMS PSTC — 5.64

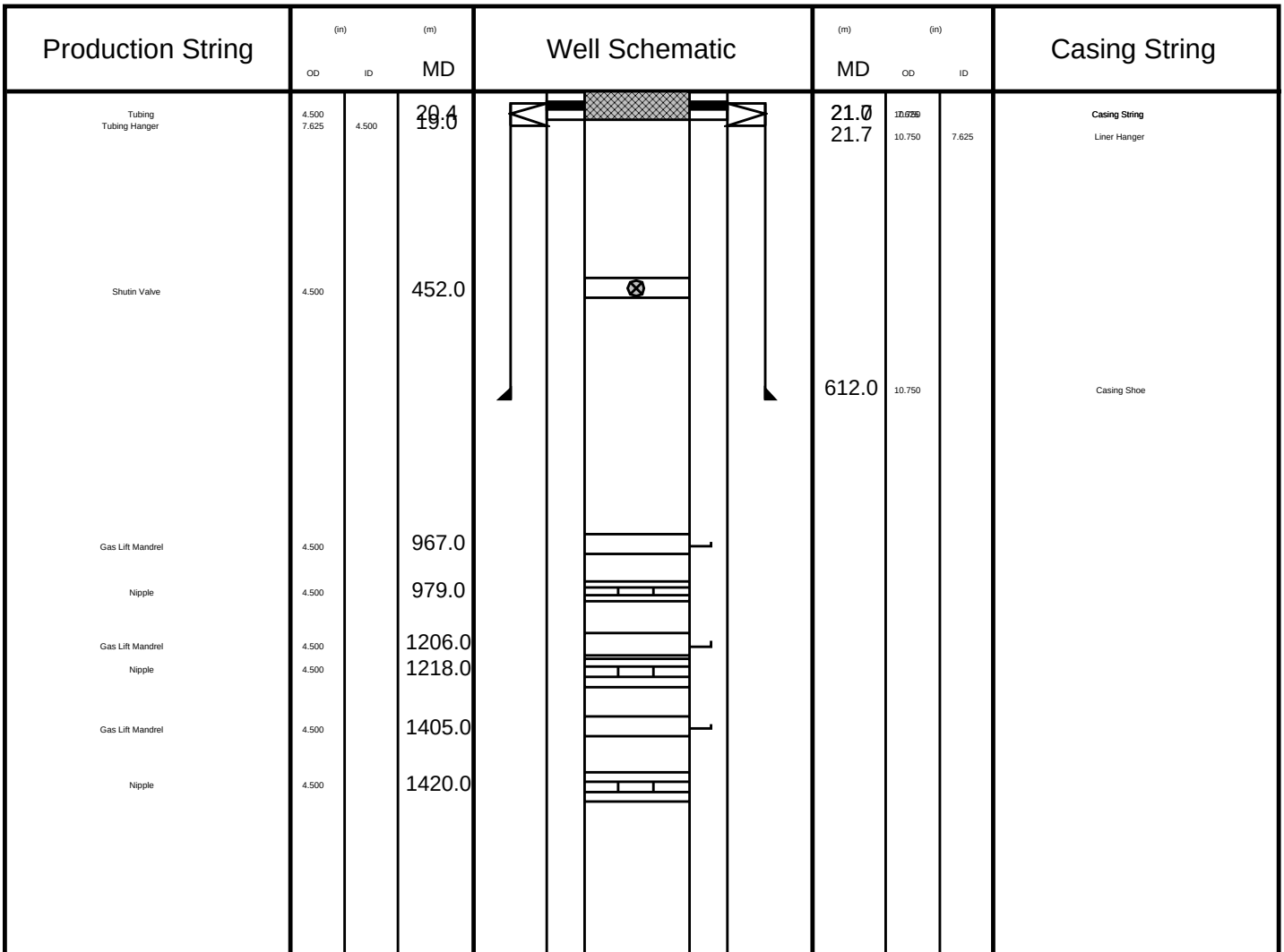
PGMC−A/B — 5.64
PGMC−A 826
PSOI_Gradio 1926

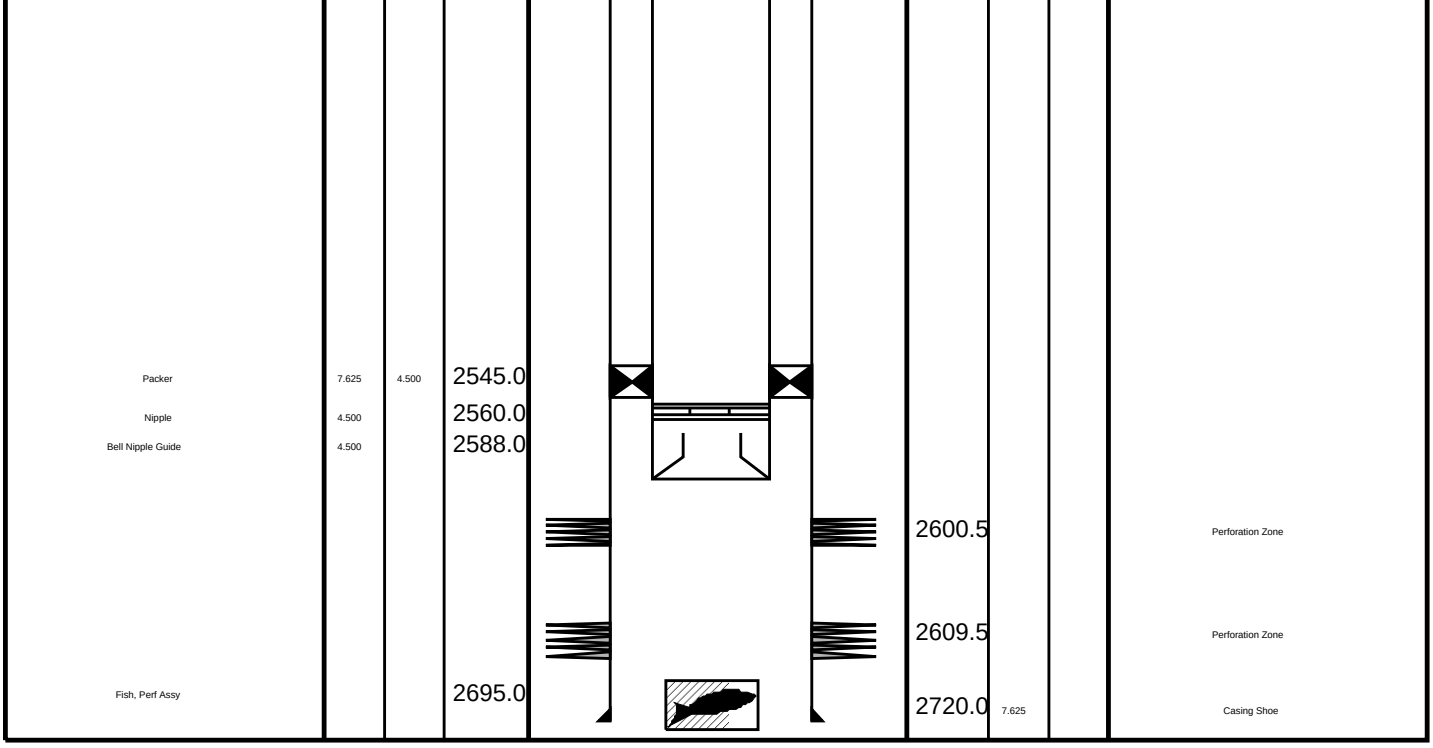
Gradioman — 5.18

PGMC — 4.19



MAXIMUM STRING DIAMETER 1.69 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS





Schlumberger

Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

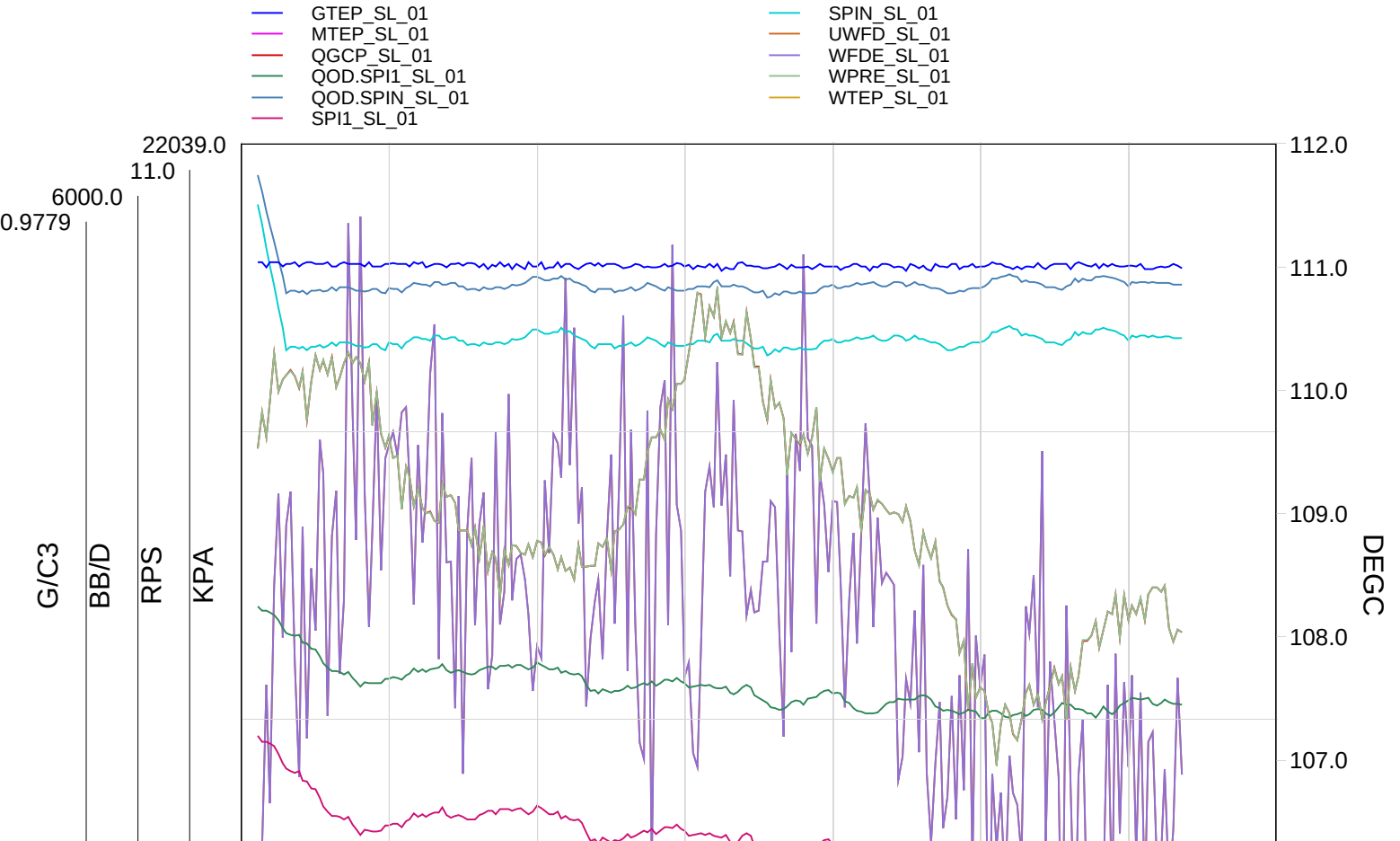
	Time	Elapsed Time	Depth (M)	File
Before Calibration Completed	29−Jul−2008 17:25			
Simulated Log	29−Jul−2008 17:27	000:01		FCS_ILS_DEFT_GMS_018LDP
OP Checked toolstring				
Log Pass (down)	30−Jul−2008 8:31	000:55	4.9 − 2566.6	FCS_ILS_DEFT_GMS_023LDP
RIH				
Log Pass (down)	30−Jul−2008 9:26	000:09	2559.7 − 2654.5	FCS_ILS_DEFT_GMS_024LDP
Log down @ 1970ft/hr Shut in				
Log Pass (up)	30−Jul−2008 9:36	000:07	2654.4 − 2582.6	FCS_ILS_DEFT_GMS_025LUP
Log up @ 1970ft/hr Shut in				
Log Pass (down)	30−Jul−2008 9:43	000:04	2574.3 − 2654.7	FCS_ILS_DEFT_GMS_026LDP
Log down @ 3940ft/hr Shut in				
Log Pass (up)	30−Jul−2008 9:47	000:04	2654.5 − 2590.3	FCS_ILS_DEFT_GMS_027LUP
Log up @ 3940ft/hr Shut in				
Log Pass (down)	30−Jul−2008 9:52	000:03	2582.1 − 2659.5	FCS_ILS_DEFT_GMS_028LDP
Log down @ 5900ft/hr Shut in				
Log Pass (up)	30−Jul−2008 9:55	000:03	2659.4 − 2591.9	FCS_ILS_DEFT_GMS_029LUP
Log up @ 5900ft/hr Shut in				
Log Pass (up)	30−Jul−2008 10:04	000:14	2655.0 − 2589.4	FCS_ILS_DEFT_GMS_030LUP

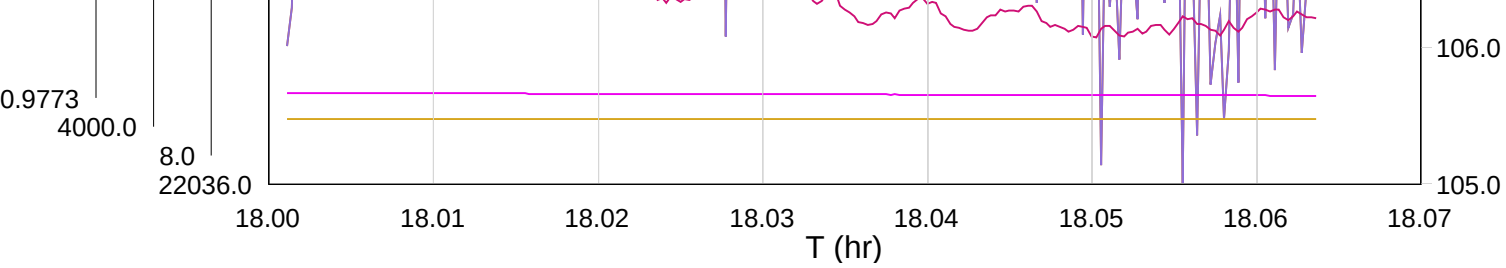
Log up @ 980ft/hr Shut in
Log Pass (down) 30−Jul−2008 10:34 000:11 2585.2 − 2629.2 FCS_ILS_DEFT_GMS_032LDP
Log down @ 980ft/hr Shut in
Station Log 30−Jul−2008 11:41 005:37 2630.0 − 51.3 FCS_ILS_DEFT_GMS_044LTP
Station log while opening/flowing the well @ 2630.0m MDKB
Log Pass (up) 30−Jul−2008 17:19 000:08 2630.0 − 2592.0 FCS_ILS_DEFT_GMS_045LUP
Log up @ 980ft/hr Flowing
Log Pass (down) 30−Jul−2008 17:27 000:08 2583.9 − 2635.1 FCS_ILS_DEFT_GMS_046LDP
Log down @ 980ft/hr Flowing
Log Pass (up) 30−Jul−2008 17:35 000:04 2634.8 − 2592.8 FCS_ILS_DEFT_GMS_047LUP
Log up @ 1970ft/hr Flowing
Log Pass (down) 30−Jul−2008 17:39 000:05 2584.7 − 2635.1 FCS_ILS_DEFT_GMS_048LDP
Log down @ 1970ft/hr Flowing
Log Pass (up) 30−Jul−2008 17:44 000:03 2635.1 − 2592.3 FCS_ILS_DEFT_GMS_049LUP
Log up @ 3940ft/hr Flowing
Log Pass (down) 30−Jul−2008 17:47 000:02 2584.4 − 2635.5 FCS_ILS_DEFT_GMS_050LDP
Log down @ 3940ft/hr Flowing
Log Pass (up) 30−Jul−2008 17:49 000:02 2635.5 − 2592.3 FCS_ILS_DEFT_GMS_051LUP
Log up @ 5900ft/hr Flowing
Log Pass (down) 30−Jul−2008 17:51 000:02 2584.2 − 2635.9 FCS_ILS_DEFT_GMS_052LDP
Log down @ 5900ft/hr Flowing
Station Log 30−Jul−2008 17:53 000:05 2607.9 − 0.6 FCS_ILS_DEFT_GMS_053LTP
Station log @ 2608.0m MDKB
Station Log 30−Jul−2008 17:59 000:04 2598.0 − 0.6 FCS_ILS_DEFT_GMS_054LTP
Station log @ 2598.0m MDKB
Log Pass (up) 30−Jul−2008 19:03 000:09 313.9 − 8.9 FCS_ILS_DEFT_GMS_075LUP
POOH

Schlumberger

Station Log above perforation zone 2600.5m − 2605.0m MDKB

MAXIS Field Log



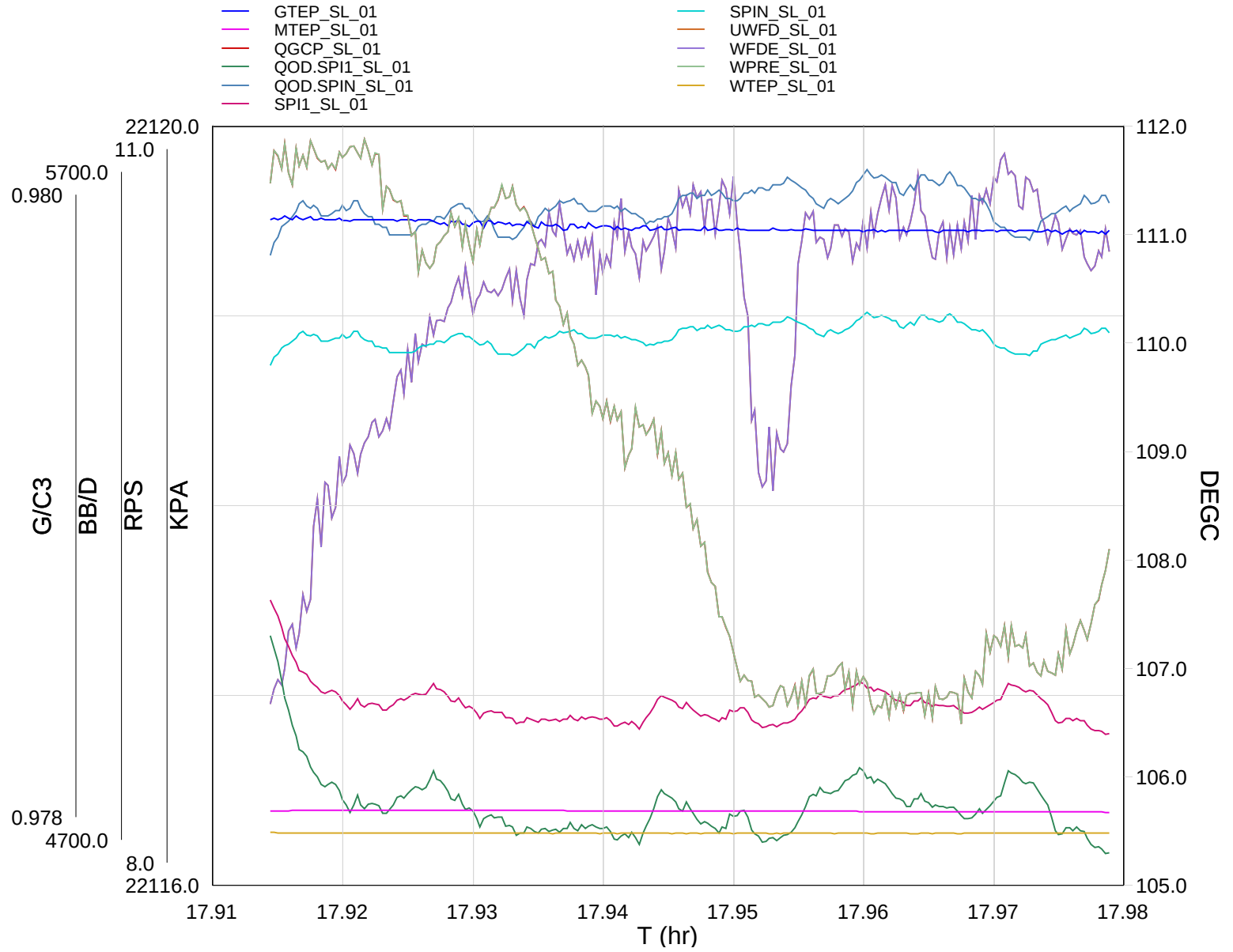


TIME	SPIN	SPI1	WFDE	WTEP−DEGF	WPRE−PSIA
25255.0	10.7669	8.9346	0.9774	221.8613	3196.3381
25260.0	10.4070	8.8688	0.9776	221.8593	3196.3627
25265.0	10.2918	8.8078	0.9775	221.8560	3196.3652
25270.0	10.2976	8.7167	0.9777	221.8555	3196.3731
25275.0	10.3100	8.6568	0.9775	221.8547	3196.3699
25280.0	10.2950	8.6032	0.9778	221.8545	3196.3718
25285.0	10.2878	8.6176	0.9776	221.8555	3196.3369
25290.0	10.2966	8.6316	0.9777	221.8552	3196.3088
25295.0	10.3223	8.6655	0.9776	221.8548	3196.3009
25300.0	10.3223	8.6839	0.9777	221.8563	3196.3117
25305.0	10.3110	8.6565	0.9775	221.8558	3196.2905
25310.0	10.3074	8.6754	0.9776	221.8553	3196.2846
25315.0	10.3054	8.6865	0.9776	221.8543	3196.2779
25320.0	10.3327	8.6746	0.9776	221.8533	3196.2802
25325.0	10.3411	8.6774	0.9776	221.8535	3196.2795
25330.0	10.3466	8.6596	0.9778	221.8546	3196.2706
25335.0	10.3094	8.5952	0.9775	221.8562	3196.2722
25340.0	10.3032	8.5752	0.9776	221.8547	3196.2810
25345.0	10.3054	8.5960	0.9776	221.8545	3196.3025
25350.0	10.3265	8.6094	0.9776	221.8550	3196.3326
25355.0	10.3078	8.6232	0.9777	221.8552	3196.3550
25360.0	10.3036	8.5939	0.9775	221.8540	3196.3849
25365.0	10.3177	8.5991	0.9777	221.8548	3196.4018
25370.0	10.3169	8.5692	0.9776	221.8545	3196.3920
25375.0	10.2934	8.5816	0.9776	221.8555	3196.3821
25380.0	10.2764	8.5065	0.9777	221.8559	3196.3615
25385.0	10.2848	8.5318	0.9776	221.8553	3196.3386
25390.0	10.2863	8.5504	0.9776	221.8557	3196.3428
25395.0	10.3176	8.5664	0.9777	221.8554	3196.3223
25400.0	10.3241	8.4983	0.9776	221.8545	3196.3088
25405.0	10.3303	8.4825	0.9776	221.8544	3196.3025
25410.0	10.3347	8.5346	0.9775	221.8542	3196.2993
25415.0	10.3290	8.5449	0.9775	221.8537	3196.2780
25420.0	10.3070	8.5073	0.9775	221.8547	3196.2781
25425.0	10.2922	8.4838	0.9775	221.8538	3196.2400
25430.0	10.3092	8.4802	0.9775	221.8545	3196.2079
25435.0	10.3496	8.4897	0.9774	221.8554	3196.1795
25440.0	10.3477	8.4798	0.9774	221.8565	3196.1884
25445.0	10.3265	8.4984	0.9776	221.8559	3196.2035
25450.0	10.3025	8.5128	0.9774	221.8540	3196.2142
25455.0	10.3391	8.4997	0.9775	221.8570	3196.2231
25460.0	10.3560	8.4916	0.9774	221.8550	3196.2344
25465.0	10.3393	8.5191	0.9775	221.8553	3196.2437
25470.0	10.3351	8.5428	0.9775	221.8551	3196.2525
25475.0	10.3293	8.5308	0.9774	221.8532	3196.2605

Schlumberger

Station Log above perforation zone
2606.5m − 2614.5m MDKB

MAXIS Field Log



TIME	SPIN	SPI1	WFDE	WTEP−DEGF	WPRE−PSIA
24945.0	10.0996	9.0645	0.9785	221.8737	3208.2112
24950.0	10.1634	8.8832	0.9786	221.8701	3208.2163
24955.0	10.1770	8.7946	0.9789	221.8702	3208.2166
24960.0	10.1579	8.7703	0.9790	221.8702	3208.2050
24965.0	10.1694	8.6969	0.9792	221.8679	3208.2175
24970.0	10.1504	8.7175	0.9792	221.8676	3208.2152
24975.0	10.1248	8.6945	0.9792	221.8642	3208.1873
24980.0	10.1060	8.7322	0.9793	221.8658	3208.1654
24985.0	10.1315	8.7528	0.9794	221.8661	3208.1390
24990.0	10.1503	8.7738	0.9795	221.8661	3208.1452

24995.0	10.1822	8.7401	0.9796	221.8638	3208.1635
25000.0	10.1441	8.6808	0.9795	221.8666	3208.1545
25005.0	10.1194	8.6831	0.9796	221.8645	3208.1714
25010.0	10.0937	8.6605	0.9795	221.8666	3208.1877
25015.0	10.1380	8.6566	0.9796	221.8673	3208.1595
25020.0	10.1636	8.6508	0.9798	221.8648	3208.1210
25025.0	10.1878	8.6573	0.9797	221.8646	3208.0907
25030.0	10.1696	8.6581	0.9797	221.8656	3208.0496
25035.0	10.1758	8.6566	0.9796	221.8647	3208.0101
25040.0	10.1636	8.6390	0.9798	221.8646	3208.0151
25045.0	10.1508	8.6191	0.9796	221.8666	3208.0038
25050.0	10.1439	8.7349	0.9797	221.8639	3207.9834
25055.0	10.1757	8.7227	0.9797	221.8672	3207.9837
25060.0	10.2078	8.6944	0.9798	221.8661	3207.9260
25065.0	10.2015	8.6629	0.9798	221.8656	3207.8848
25070.0	10.1950	8.6927	0.9798	221.8631	3207.8438
25075.0	10.2078	8.6850	0.9795	221.8657	3207.8101
25080.0	10.2143	8.6268	0.9791	221.8665	3207.7932
25085.0	10.2321	8.6413	0.9791	221.8634	3207.8049
25090.0	10.2206	8.6907	0.9797	221.8651	3207.8091
25095.0	10.1759	8.7568	0.9797	221.8635	3207.8003
25100.0	10.1819	8.7492	0.9797	221.8650	3207.8203
25105.0	10.2328	8.7905	0.9797	221.8642	3207.8164
25110.0	10.2446	8.7679	0.9797	221.8613	3207.7847
25115.0	10.2334	8.7426	0.9798	221.8632	3207.7996
25120.0	10.2268	8.7105	0.9797	221.8626	3207.8003
25125.0	10.2395	8.7208	0.9797	221.8632	3207.7999
25130.0	10.2519	8.7071	0.9797	221.8650	3207.7971
25135.0	10.2206	8.6815	0.9797	221.8648	3207.8112
25140.0	10.1950	8.6946	0.9798	221.8647	3207.8070
25145.0	10.1249	8.7365	0.9799	221.8650	3207.8362
25150.0	10.0997	8.7825	0.9798	221.8631	3207.8371
25155.0	10.1124	8.7538	0.9798	221.8658	3207.8165
25160.0	10.1567	8.6519	0.9798	221.8680	3207.8140
25165.0	10.1694	8.6520	0.9797	221.8653	3207.8364
25170.0	10.1816	8.6180	0.9796	221.8637	3207.8534
25175.0	10.1829	8.5989	0.9797	221.8665	3207.9102
25180.0	10.2019	8.5813	0.9799	221.8653	3207.9277
25185.0	10.1963	8.5791	0.9798	221.8650	3207.9429

Schlumberger

Single Pass Interpretation
Flowing

MAXIS Field Log

Company: Esso Australia Pty Ltd **Well: A−23**

Input DLIS Files

DEFAULT	**FCS_ILS_DEFT_GMS_070PUP**	**FN:47**	**PRODUCER**	**30−Jul−2008 18:59**	**2633.0 M**	**2583.0 M**

Output DLIS Files

DEFAULT | FCS_ILS_DEFT_GMS_135PUP | FN:112 | PRODUCER | 31-Jul-2008 14:12 | 2633.0 M | 2583.5 M

OP System Version: 15C0-309

MCM

PFCS-A	SRPC-3546-Q1_2008_OP15	PILS-A	SRPC-3546-Q1_2008_OP15
DEFT-C2	SRPC-3546-Q1_2008_OP15	PGMC-A/B	SRPC-3546-Q1_2008_OP15
PSPT-A/B	SRPC-3546-Q1_2008_OP15		

Well Diameter From PFC2 to PFCS_T1

Well Diameter From PFC1 to PFCS_T1

Well Fluid Density (WFDE) 0.2 (G/C3) 1.2

Well Pressure (WPRE) 3190 (PSIA) 3250

PFCS Caliper Y (PFC2) 3 (IN) 8

Friction Corrected Well Fluid Density (FCFD_SPRI) 0 (G/C3) 6

Filtered Auxiliary Spinner 1 (SPI1) -10 (RPS) 20

Well Temperature (WTEP) 217 (DEGF) 219

Probe1 RB (D1RB) (DEG) 0 360

PFCS Caliper X (PFC1) 3 (IN) 8

Eprobe Water Holdup (FHM) 0.4 (---- 1.4

Filtered Main Spinner (SPIN) -10 (RPS) 20

Eprobe Bubble Rate (QHBD_SPRI) 0 (BB/D) 15000

Water Flowrate

Perfo Zone (PIFL) 20 (---- 0

Cable Speed (CS) 0 (F/HR) 5000

Corrected Gradio Heavy Phase Holdup (CGHPH) -1 (---- 2

Apparent spinner pitch (ASPI) 6 (IN) 1

Eprobe Standalone Computed Bubble size (EENBS) 0 (MM) 15

Oil

GR (GR) (GAPI) 0 150

Comp.CCL (CCLC) -1 (V) 4

-0.5000 0.5000

Water Holdup Image 2 colors (WATER_HIMAGE_2C) (----

Eprobe Corrected Water Holdup (CFWH) 0 (---- 1

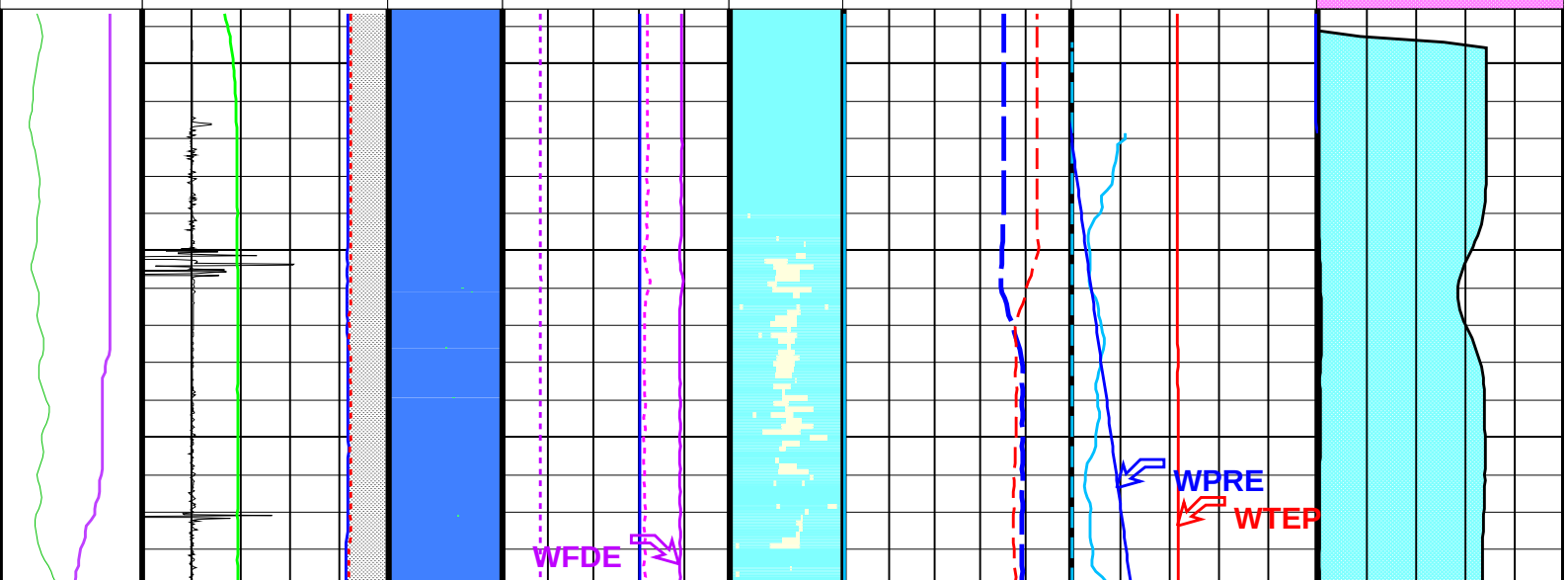
1.0000
100.0000
200.0000
300.0000
400.0000
500.0000
600.0000
700.0000
800.0000
900.0000
1000.0000
1100.0000
1200.0000
1300.0000
1400.0000
1500.0000

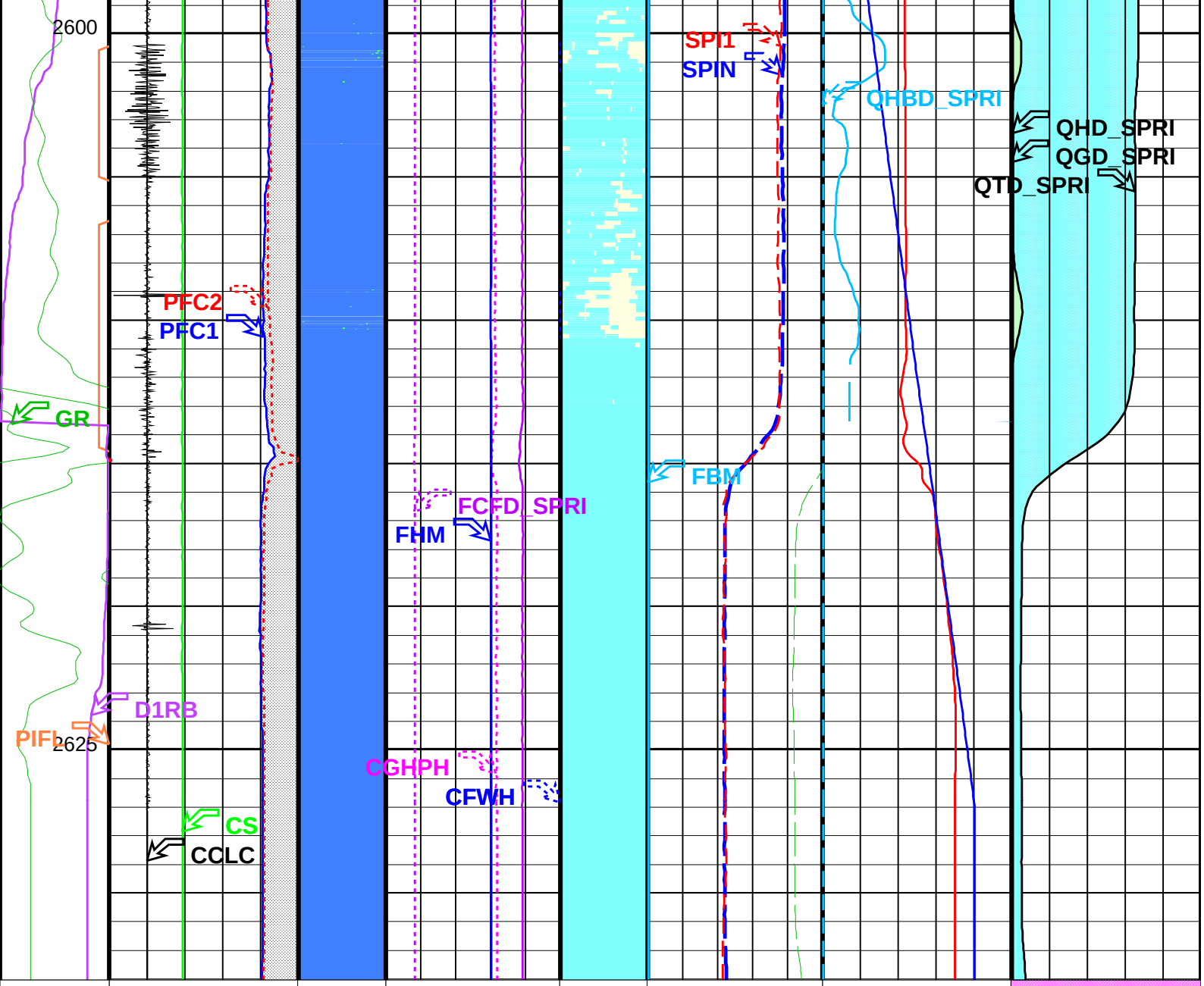
Bub Counts Image 16 colors (DBIMAGE_16C) (----

Eprobe Bubble Count (FBM) 0 (CPS) 1500

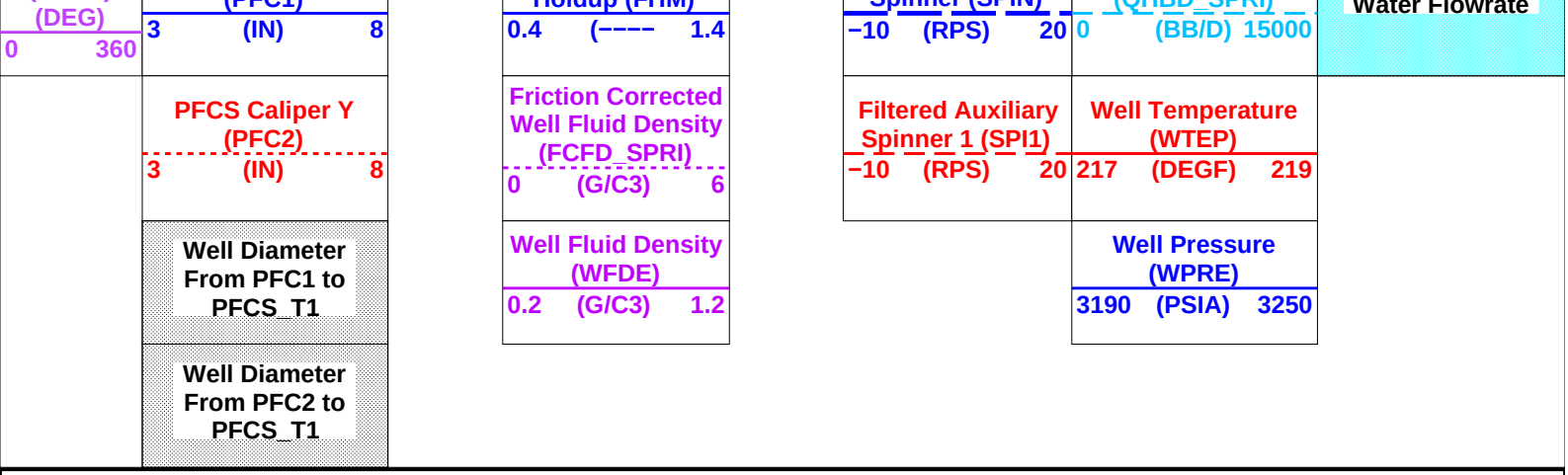
Eprobe Bubble size (EEBS) 0 (MM) 15

Gas





GR (GR) (GAPI) 0 150	Comp.CCL (CCLC) −1 (V) 4	−0.5000 0.5000 Water Holdup Image 2 colors (WATER_HIMAGE_2C) (-----	Eprobe Corrected Water Holdup (CFWH) 0 (---- 1	1.0000 100.0000 200.0000 300.0000 400.0000 500.0000 600.0000 700.0000 800.0000 900.0000 1000.0000 1100.0000 1200.0000 1300.0000 1400.0000 1500.0000 Bub Counts Image 16 colors (DBIMAGE_16C) (----	Eprobe Bubble Count (FBM) 0 (CPS) 1500	Eprobe Bubble size (EEBS) 0 (MM) 15	Gas
Perfo Zone (PIFL) 20 (---- 0	Cable Speed (CS) 0 (F/HR) 5000		Corrected Gradio Heavy Phase Holdup (CGHPH) −1 (---- 2		Apparent spinner pitch (ASPI) 6 (IN) 1	Eprobe Standalone Computed Bubble size (EENBS) 0 (MM) 15	Oil
Probe1 RB (D1RB)	PFCS Caliper X (PFC1)		Eprobe Water Holdup (FHM)		Filtered Main Spinner (SPIN)	Eprobe Bubble Rate (QHBD_SPRI)	Water Flowrate



Format: SPRINT_PFCSImage_DL Vertical Scale: 1:200 Graphics File Created: 31-Jul-2008 14:12

OP System Version: 15C0-309

MCM

PFCS-A	SRPC-3546-Q1_2008_OP15	PILS-A	SRPC-3546-Q1_2008_OP15
DEFT-C2	SRPC-3546-Q1_2008_OP15	PGMC-A/B	SRPC-3546-Q1_2008_OP15
PSPT-A/B	SRPC-3546-Q1_2008_OP15		

Parameters

DLIS Name	Description	Value	
	PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
	PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
	DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
	PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.969	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
	PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.969	IN
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
	SPRI: Single Pass Rate Interpretation		
DENS_SEL	SPRint Density Selector	WFDE	
DGHC	Deft Ghost Probe Holdup Correction	MANU	
ESBS	Electrical-probe Stand-alone Bubble Size	0.06	IN
FLOWVIEW_FLAG	FlowView Water Holdup Used Flag	YES	
GDD_SPRI	Gas Downhole Density	0.15	G/C3
GFECF	Gradio Friction Effect Correction Factor	1	
GHCF	GHOST Gas Holdup Correction Factor	0	
GHOST_FLAG	Ghost Gas Holdup Used Flag	NO	
GOR_SPRI	Gas Oil Ratio	89.0538	M3M3
GRADIO_FLAG	Gradiomaometer Holdup Used Flag	NO	
ODD_SPRI	Oil Downhole Density	0.8	G/C3
OGRA_SPRI	Gravity of Oil	40	DAPI
OSBS	Optical-probe Stand-alone Bubble Size	0.06	IN
PVT_DDENS_FLAG	Compute Downhole Densities from PVT Data	NO	

SEFF	Spinner Efficiency	1	
SPINNER_PITCH	Spinner Pitch	2.5	IN
SPIN_SEL	SPRint Spinner Selector	SPIN	
SPRI_INTPR_TYPE	SPRInt Type of Interpretation	WATER_OIL_FLOW	
SURFACE_SPRI	Surface Flowrates Computation	NO	
THRE	Spinner Threshold	1.2192	M/MN
WDD_SPRI	Water Downhole Density	1	G/C3
WHCF	PFCS/DEFT Water Holdup Correction Factor	0	
WSAL_SPRI	Water Salinity	50000	PPM
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.969	IN
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:47	PRODUCER	30−Jul−2008 18:59	2633.0 M	2583.0 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_135PUP	FN:112	PRODUCER	31−Jul−2008 14:12	

Schlumberger

Spinners Multipass Flowing

MAXIS Field Log

Company: Esso Australia Pty Ltd — Well: A−23

Company: Esso Australia Pty Ltd — Well: A−23

PLQL Data Manager Files

Pass # 1
Pass # 2
Pass # 3
Pass # 4
Pass # 5
Pass # 6
Pass # 7
Pass # 8

Company: Esso Australia Pty Ltd — Well: A−23

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_131PUP	FN:108	PRODUCER	31−Jul−2008 14:00	2629.8 M	2593.1 M

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Spinner Rotational Velocity [01] (P01SPIN)
−10 (RPS) 20

Gamma−Ray [01] (P01LGR)
0 (GAPI) 150

Spinner Rotational Velocity [02] (P02SPIN)
−10 (RPS) 20

Gamma−Ray [02] (P02LGR)
0 (GAPI) 100

Spinner Rotational Velocity [03] (P03SPIN)
−10 (RPS) 20

Gamma−Ray [03] (P03LGR)
0 (GAPI) 100

Gamma−Ray [04] (P04LGR)
0 (GAPI) 100

Gamma−Ray [05] (P05LGR)
0 (GAPI) 100

Gamma−Ray [06] (P06LGR)
0 (GAPI) 100

Gamma−Ray [07] (P07LGR)
0 (GAPI) 100

Gamma−Ray [08] (P08LGR)
0 (GAPI) 100

Cable Velocity [01] (P01CVL)
−40 (M/MN) 40

Spinner Rotational Velocity [04] (P04SPIN)
−10 (RPS) 20

Spinner Rotational Velocity [05] (P05SPIN)
−10 (RPS) 20

Spinner Rotational Velocity [06] (P06SPIN)
−10 (RPS) 20

Interpretation Zone From ZONE_ CURVE to D3T

Spinner Rotational Velocity [07] (P07SPIN)
−10 (RPS) 20

Perfo Zone From PERFO_ CURVE to D3T

Spinner Rotational Velocity [08] (P08SPIN)
−10 (RPS) 20

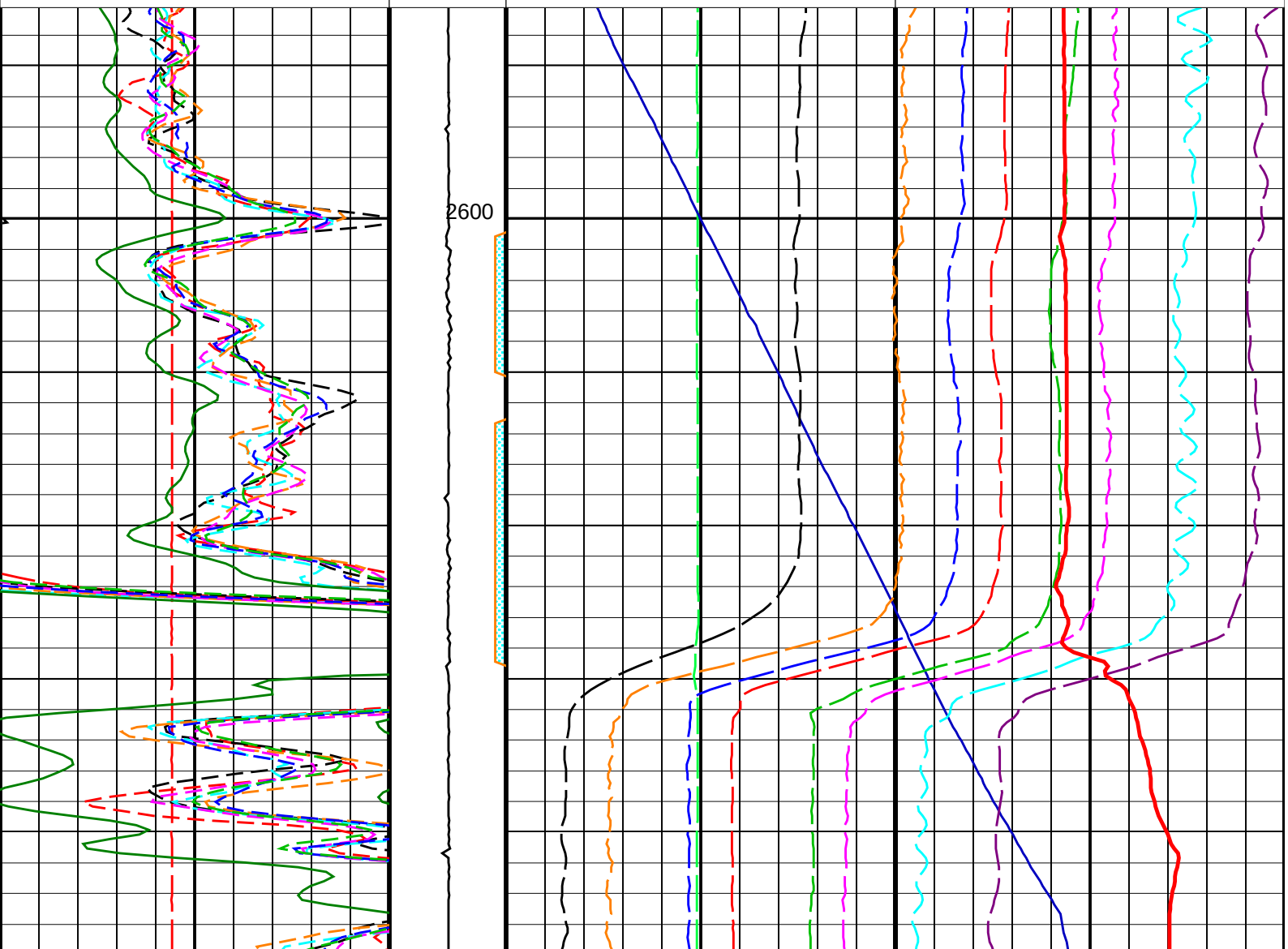
Perfo Zone (PIFL_DM)
20 (---- 0

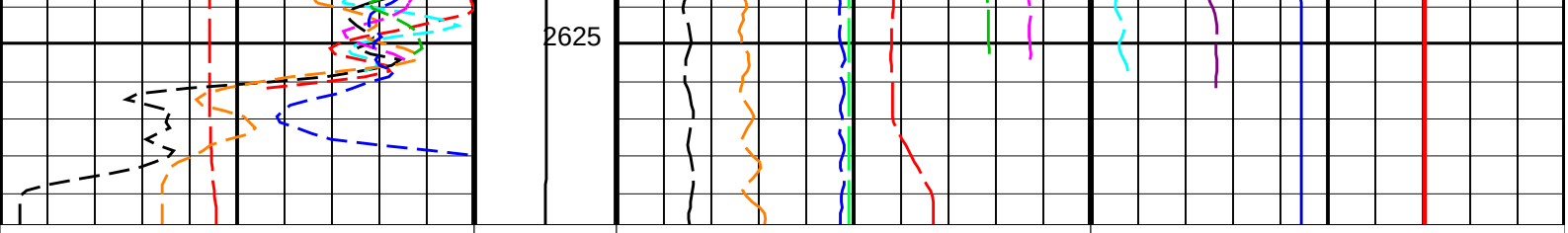
Well Pressure [01] (P01LPR)
3190 (PSIA) 3250

CCL [01] (P01CCL)
−3 (V) 3

Fluid Density [01] (P01FDS)
0 (G/C3) 2

Fluid Temperature [01] (P01TMP)
217 (DEGF) 219





Cable Velocity [01] (P01CVL)	CCL [01] (P01CCL)	Fluid Density [01] (P01FDS)	Fluid Temperature [01] (P01TMP)
−40 (M/MN) 40	−3 (V) 3	0 (G/C3) 2	217 (DEGF) 219
Gamma−Ray [08] (P08LGR)	Perfo Zone (PIFL_DM)	Well Pressure [01] (P01LPR)	
0 (GAPI) 100	20 (---- 0	3190 (PSIA) 3250	
Gamma−Ray [07] (P07LGR)	Perfo Zone From PERFO_ CURVE to D3T	Spinner Rotational Velocity [08] (P08SPIN)	
0 (GAPI) 100		−10 (RPS) 20	
Gamma−Ray [06] (P06LGR)	Interpretation Zone From ZONE_ CURVE to D3T	Spinner Rotational Velocity [07] (P07SPIN)	
0 (GAPI) 100		−10 (RPS) 20	
Gamma−Ray [05] (P05LGR)		Spinner Rotational Velocity [06] (P06SPIN)	
0 (GAPI) 100		−10 (RPS) 20	
Gamma−Ray [04] (P04LGR)		Spinner Rotational Velocity [05] (P05SPIN)	
0 (GAPI) 100		−10 (RPS) 20	
Gamma−Ray [03] (P03LGR)		Spinner Rotational Velocity [04] (P04SPIN)	
0 (GAPI) 100		−10 (RPS) 20	
Gamma−Ray [02] (P02LGR)		Spinner Rotational Velocity [03] (P03SPIN)	
0 (GAPI) 100		−10 (RPS) 20	
Gamma−Ray [01] (P01LGR)		Spinner Rotational Velocity [02] (P02SPIN)	
0 (GAPI) 150		−10 (RPS) 20	
		Spinner Rotational Velocity [01] (P01SPIN)	
		−10 (RPS) 20	

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
CSID	Casing Size I.D.	6.969	IN
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.969	IN
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.969	IN
	PSPT−A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.969	IN
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.969	IN
	PLQL: Production Logging Quick Look		
CCLS	CCL Selector	CCLC	
FCHD	Cased Hole Diameter Selector	PFC1	
PCVS	CVEL Selector	CVEL	
PGRS	GR Selector	GR	
PGS	Pressure Gauge Selector	WPRE	
PWHS	PLQL Water HoldUp Selector	DFHM	
RHOS	Fluid Density Selector	WFDE	
SPIS	Spinner Selector	SPIN	
TMPS	Temperature Selector	WTEP	
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M

PP	Playback Processing	RECOMPUTE

Format: PLQLMultiPassWithInsert_1 Vertical Scale: 1:200 Graphics File Created: 31−Jul−2008 14:00

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_131PUP	FN:108	PRODUCER	31−Jul−2008 14:00	

Schlumberger

Down Log @ 1970 ft/hr
Flowing

MAXIS Field Log

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:47	PRODUCER	30−Jul−2008 18:59	2633.0 M	2583.0 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_125PUP	FN:102	PRODUCER	31−Jul−2008 13:41	2633.0 M	2583.5 M

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Tension (TENS) (LBF) 0 2500

Probe1 RB (D1RB) (DEG) 0 360

Filtered Main Spinner (SPIN) −7 (RPS) 19

Well Fluid Density (WFDE) 0.1 (G/C3) 2.1

Avg BUB count (DDFBM) 0 (CPS) 500

Comp.CCL (CCLC) 2 (V) −2

Well Temperature (WTEP) 220 (DEGF) 223

Well Pressure (WPRE) 3150 (PSIA) 3250

Perfo Zone (PIFL) 20 (−−−− 0

Cable Speed (CS) (F/HR) 0 5000

Filtered Auxiliary Spinner 1 (SPI1) −5 (RPS) 17

−0.5000 0.5000

Water Holdup Image 2 colors (WATER_HIMAGE_2C) (−−−−

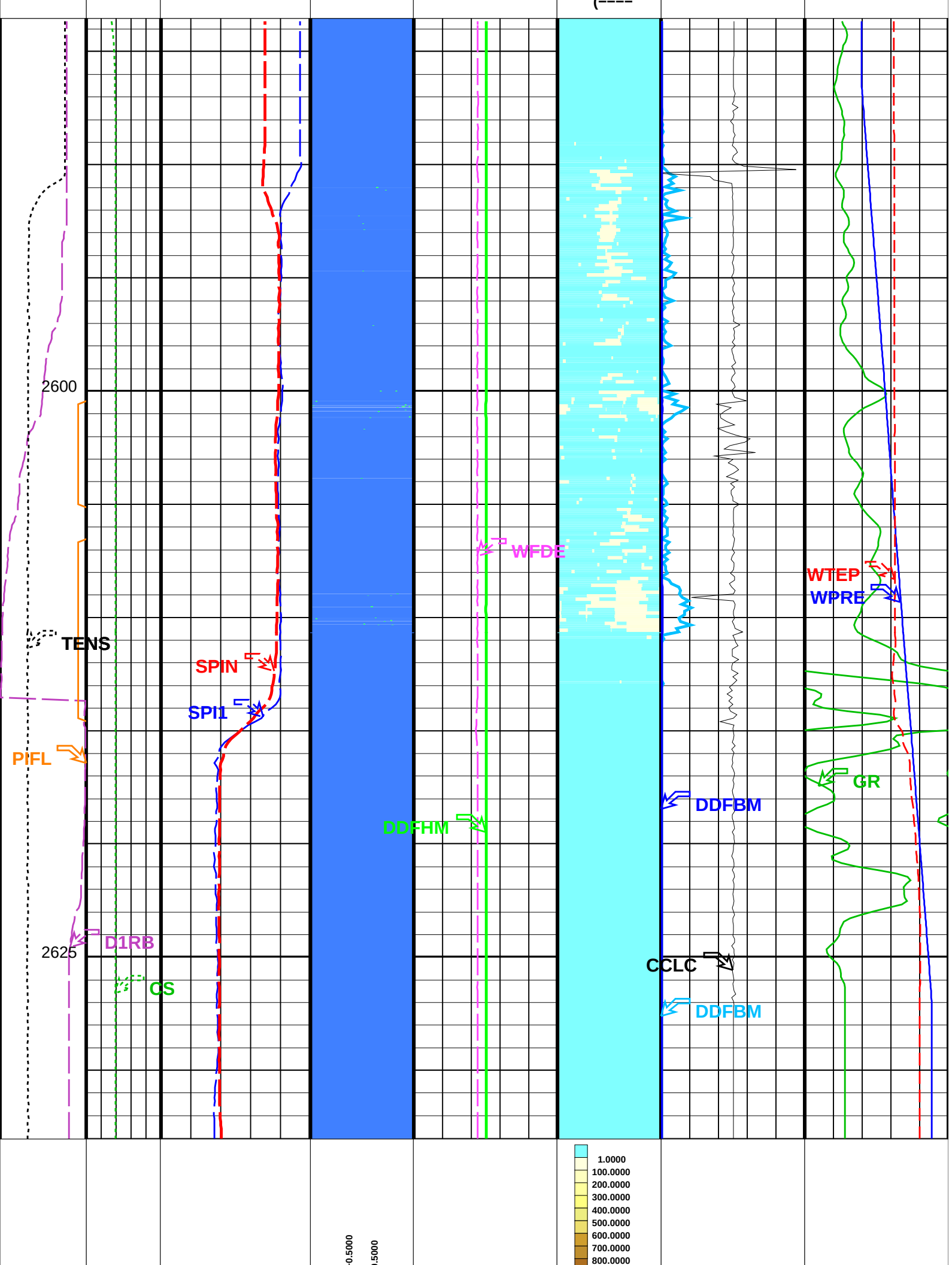
Avg Holdup (DDFHM) 0 (−−−− 2

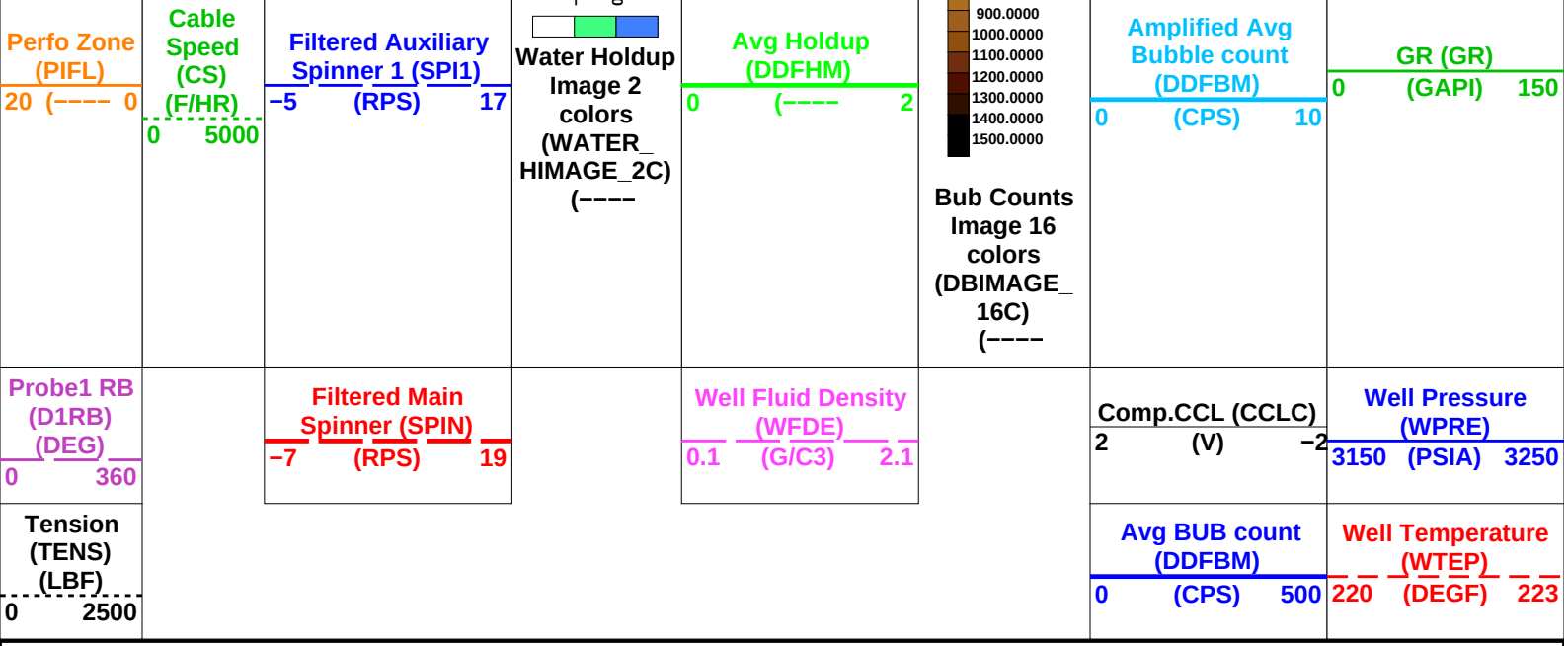
1.0000
100.0000
200.0000
300.0000
400.0000
500.0000
600.0000
700.0000
800.0000
900.0000
1000.0000
1100.0000
1200.0000
1300.0000
1400.0000
1500.0000

Bub Counts Image 16 colors (DBIMAGE_16C) (

Amplified Avg Bubble count (DDFBM) 0 (CPS) 10

GR (GR) 0 (GAPI) 150


2600
2625
TENS
SPIN
SPI1
PIFL
D1RB
CS
WFDE
DDFHM
DDFBM
CCLC
DDFBM
WTEP
WPRE
GR
1.0000
100.0000
200.0000
300.0000
400.0000
500.0000
600.0000
700.0000
800.0000
-0.5000
0.5000



Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 31-Jul-2008 13:41

OP System Version: 15C0-309

MCM

PFCS-A	SRPC-3546-Q1_2008_OP15	PILS-A	SRPC-3546-Q1_2008_OP15
DEFT-C2	SRPC-3546-Q1_2008_OP15	PGMC-A/B	SRPC-3546-Q1_2008_OP15
PSPT-A/B	SRPC-3546-Q1_2008_OP15		

Parameters

DLIS Name	Description	Value	
	PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
	PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
	DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
	PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.969	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
	PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.969	IN
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.969	IN
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:47	PRODUCER	30−Jul−2008 18:59	2633.0 M	2583.0 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_125PUP	FN:102	PRODUCER	31−Jul−2008 13:41		

Company: Esso Australia Pty Ltd — Well: A−23

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:47	PRODUCER	30−Jul−2008 18:59	2633.0 M	2583.0 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_125PUP	FN:102	PRODUCER	31−Jul−2008 13:41	2633.0 M	2583.5 M

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Well Fluid Density (WFDE) 0.3 (G/C3) 2.3

Pipe Ovalisation Between PFC1 and PFC2

Well Fluid Density (WFDE) 0 (G/C3) 2

Well Diameter From PFC2 to PFCS_T1

PFCS Fluid Resistivity (DRES) 0 (OHMM) 360

Well Diameter From PFC1 to PFCS_T1

Manometer Well Fluid Density (MWFD) 0 (G/C3) 2

Filtered Bubble Count (FBM) 0 (CPS) 500

Well Temperature (WTEP) 220 (DEGC) 223

Probe1 RB (D1RB) (DEG) 0 360

PFCS Caliper Y (PFC2) 8 (IN) 3

Filtered Water Holdup (FHM) 0 (−−−− 1

Avg BUB count (DDFBM) 0 (CPS) 500

Well Pressure (WPRE) 3150 (PSIA) 3250

Perfo Zone (PIFL) 20 (−−−− 0

PFCS Caliper X (PFC1) 8 (IN) 3

Avg Holdup (DDFHM) 0.1 (−−−− 2.1

Cable Speed (CS) 0 (M/HR) 1000

Amplified Temperature (WTEP) 0 (DEGC) 1

Filtered Auxiliary Spinner 1 (SPI1) −5 (RPS) 17

GR (GR) (GAPI) 0 150

Comp.CCL (CCLC) 2 (V) −2

−0.5000 0.5000

Water Holdup Image 2 colors (WATER_HIMAGE_2C) (−−−−

PFCS Computed Holdup (DFCHM) 0 (−−−− 1

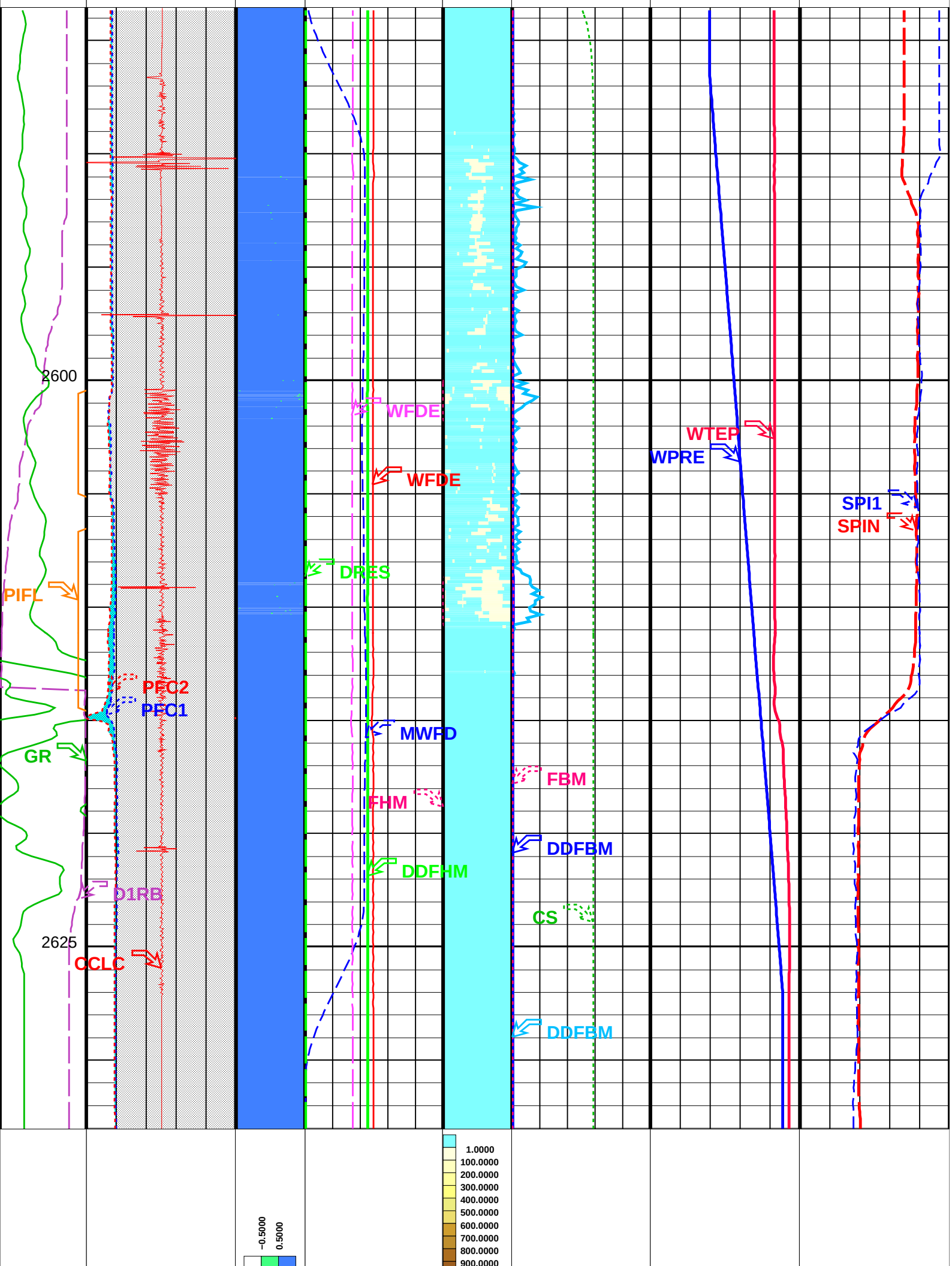
1.0000
100.0000
200.0000
300.0000
400.0000
500.0000
600.0000
700.0000
800.0000
900.0000
1000.0000
1100.0000
1200.0000
1300.0000
1400.0000
1500.0000

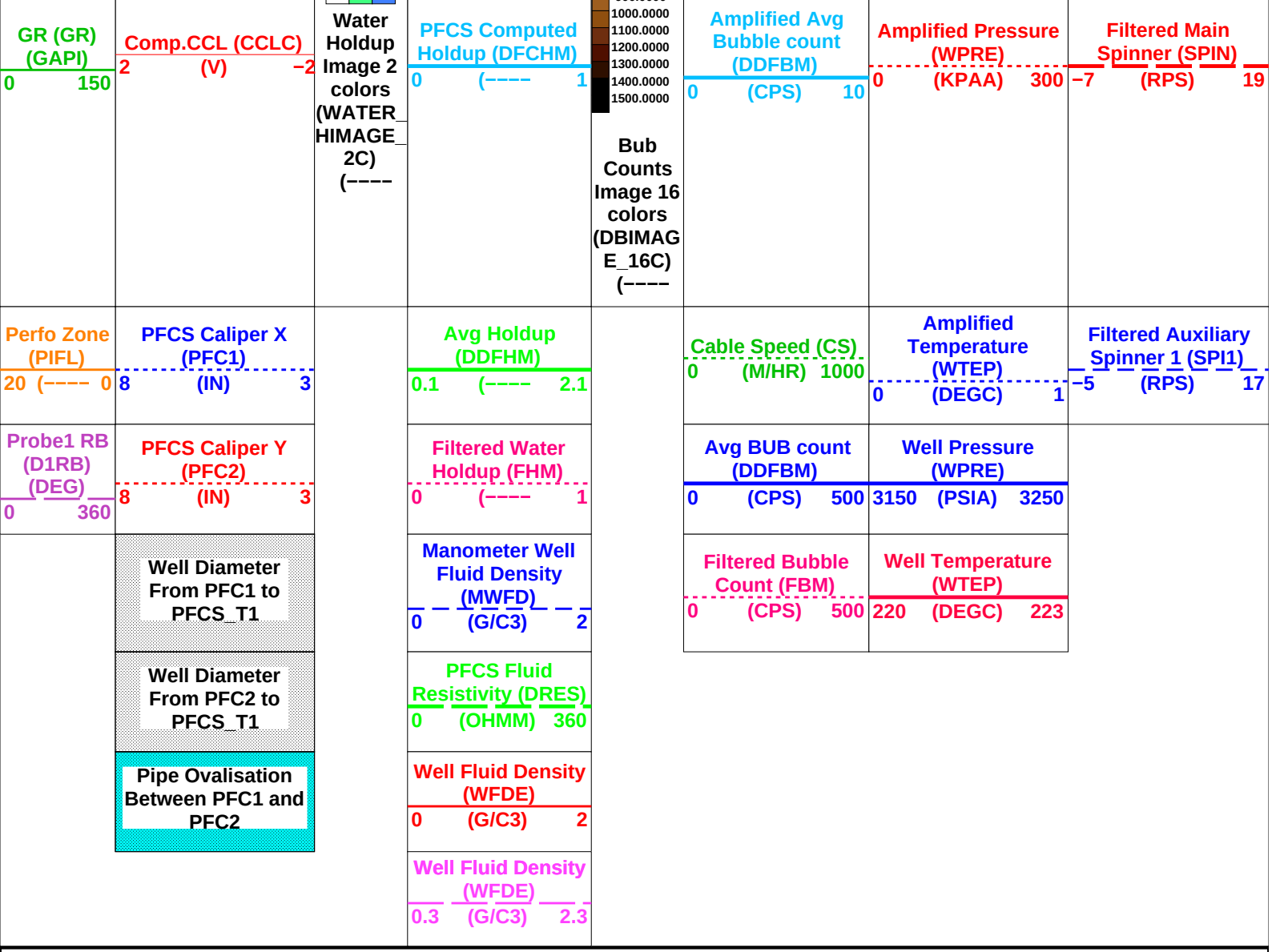
Bub Counts Image 16 colors (DBIMAGE_16C) (−−−−

Amplified Avg Bubble count (DDFBM) 0 (CPS) 10

Amplified Pressure (WPRE) 0 (KPAA) 300

Filtered Main Spinner (SPIN) −7 (RPS) 19


2600
2625
PIFL
GR
PEC2
PEC1
D1RB
CCLC
WFDE
WFDE
DRES
MWFD
FHM
DDFHM
FBM
DDFBM
CS
DDFBM
WTEP
WPRE
SPI1
SPIN
-0.5000
0.5000
1.0000
100.0000
200.0000
300.0000
400.0000
500.0000
600.0000
700.0000
800.0000
900.0000



Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 31−Jul−2008 13:41

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2−D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	PILS−A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	

SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
DEFT−C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2−D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP2	Probes Arm Position (2nd tool)	A	
PFGC	PFCS Geometrical coefficient	1200	
PGMC−A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.969	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT−A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.969	IN
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.969	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:47	PRODUCER	30−Jul−2008 18:59	2633.0 M	2583.0 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_125PUP	FN:102	PRODUCER	31−Jul−2008 13:41	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:47	PRODUCER	30−Jul−2008 18:59	2633.0 M	2583.0 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_125PUP	FN:102	PRODUCER	31−Jul−2008 13:41	2633.0 M	2583.5 M

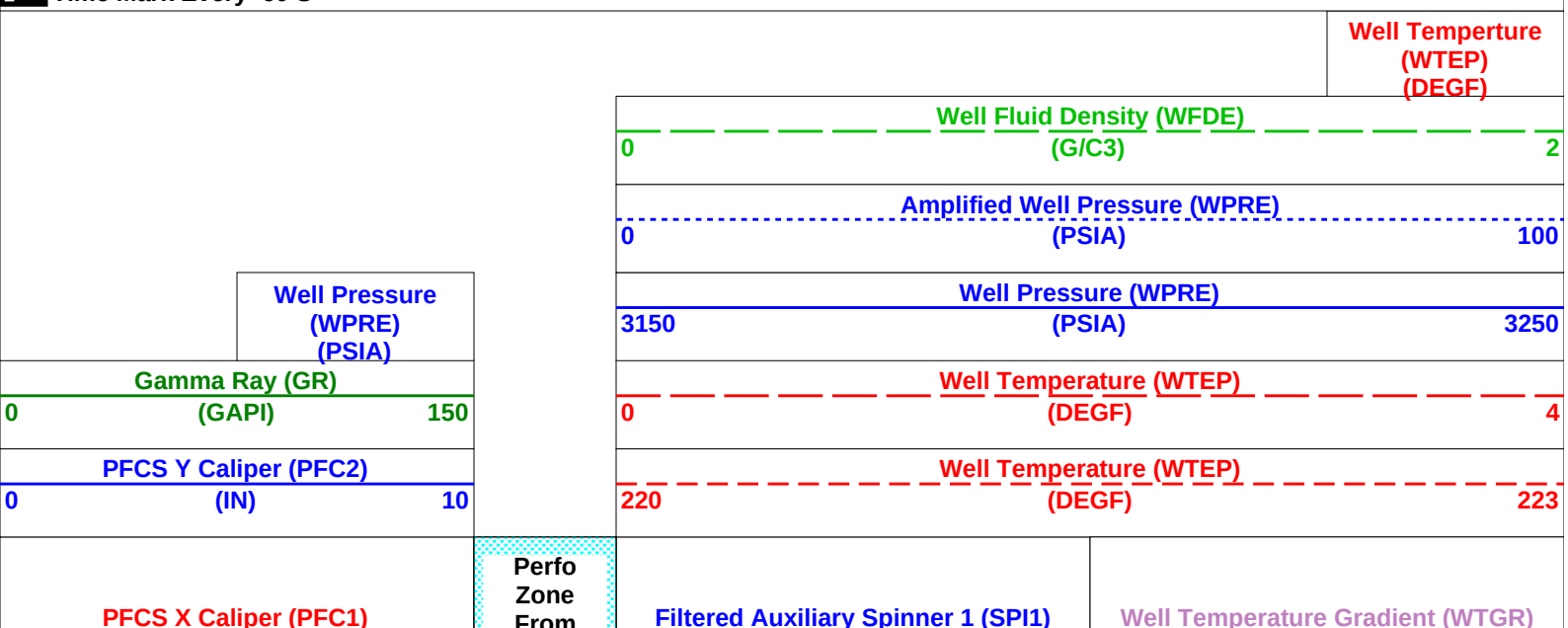
OP System Version: 15C0−309

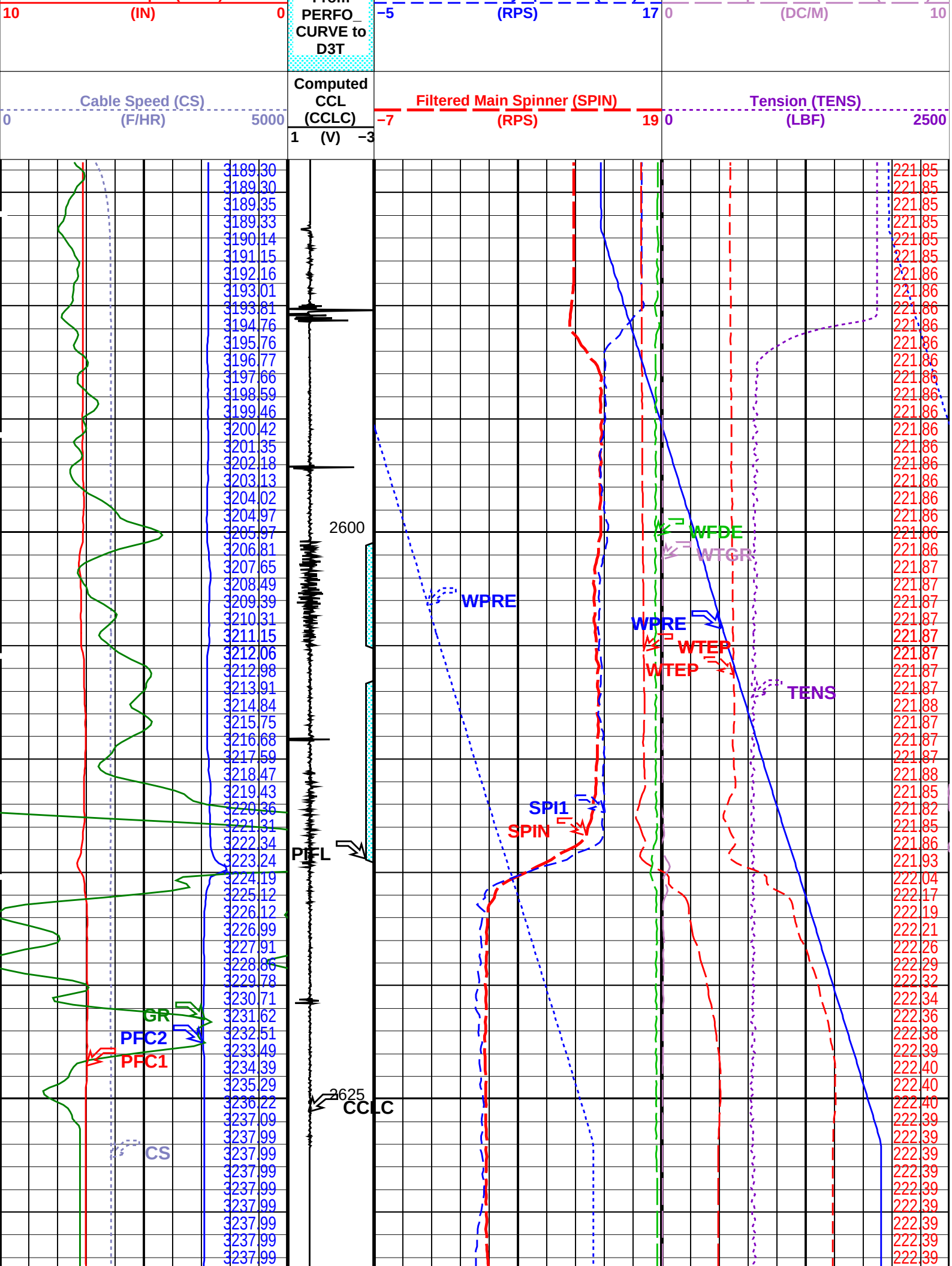
MCM

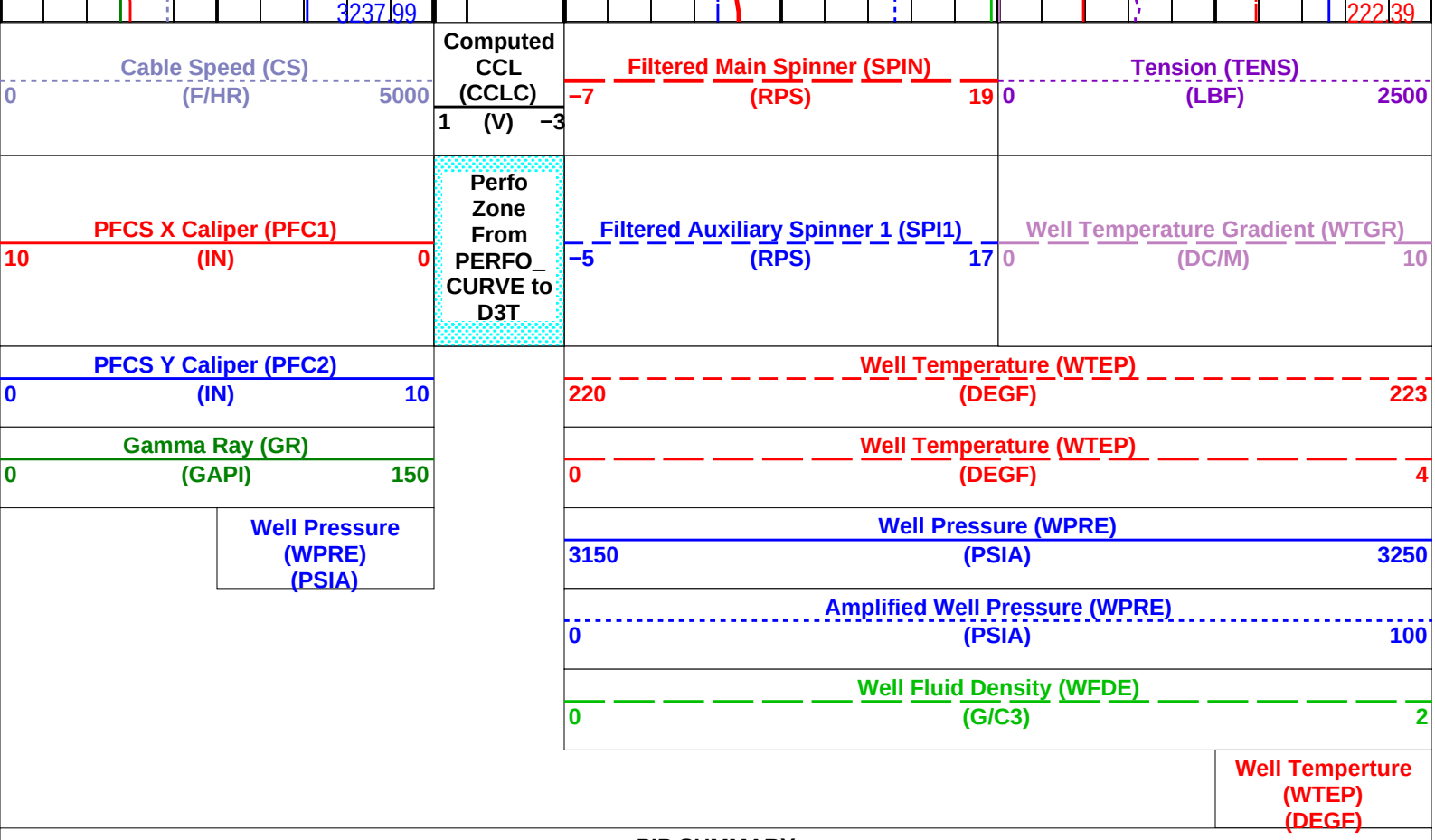
PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

PIP SUMMARY

Time Mark Every 60 S




10
(IN)
0
PERFO_ CURVE to D3T
−5
(RPS)
17
0
(DC/M)
10
Cable Speed (CS)
0
(F/HR)
5000
Computed CCL (CCLC)
1
(V)
−3
Filtered Main Spinner (SPIN)
−7
(RPS)
19
Tension (TENS)
0
(LBF)
2500
3189.30
3189.30
3189.35
3189.33
3190.14
3191.15
3192.16
3193.01
3193.81
3194.76
3195.76
3196.77
3197.66
3198.59
3199.46
3200.42
3201.35
3202.18
3203.13
3204.02
3204.97
3205.97
3206.81
3207.65
3208.49
3209.39
3210.31
3211.15
3212.06
3212.98
3213.91
3214.84
3215.75
3216.68
3217.59
3218.47
3219.43
3220.36
3221.31
3222.34
3223.24
3224.19
3225.12
3226.12
3226.99
3227.91
3228.86
3229.78
3230.71
3231.62
3232.51
3233.49
3234.39
3235.29
3236.22
3237.09
3237.99
3237.99
3237.99
3237.99
3237.99
3237.99
3237.99
3237.99
2600
2625
PFCL
CCLC
GR
PFC2
PFC1
CS
WPRE
WFDE
WTGR
WPRE
WTEP
WTEP
TENS
SPI1
SPIN
221.85
221.85
221.85
221.85
221.85
221.85
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.86
221.87
221.87
221.87
221.87
221.87
221.87
221.87
221.87
221.88
221.87
221.87
221.87
221.88
221.85
221.82
221.85
221.86
221.93
222.04
222.17
222.19
222.21
222.26
222.29
222.32
222.34
222.36
222.38
222.39
222.40
222.40
222.39
222.39
222.39
222.39
222.39
222.39
222.39
222.39
222.39



Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 31−Jul−2008 13:41

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	PILS−A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
	PSPT−A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:47	PRODUCER	30−Jul−2008 18:59	2633.0 M	2583.0 M

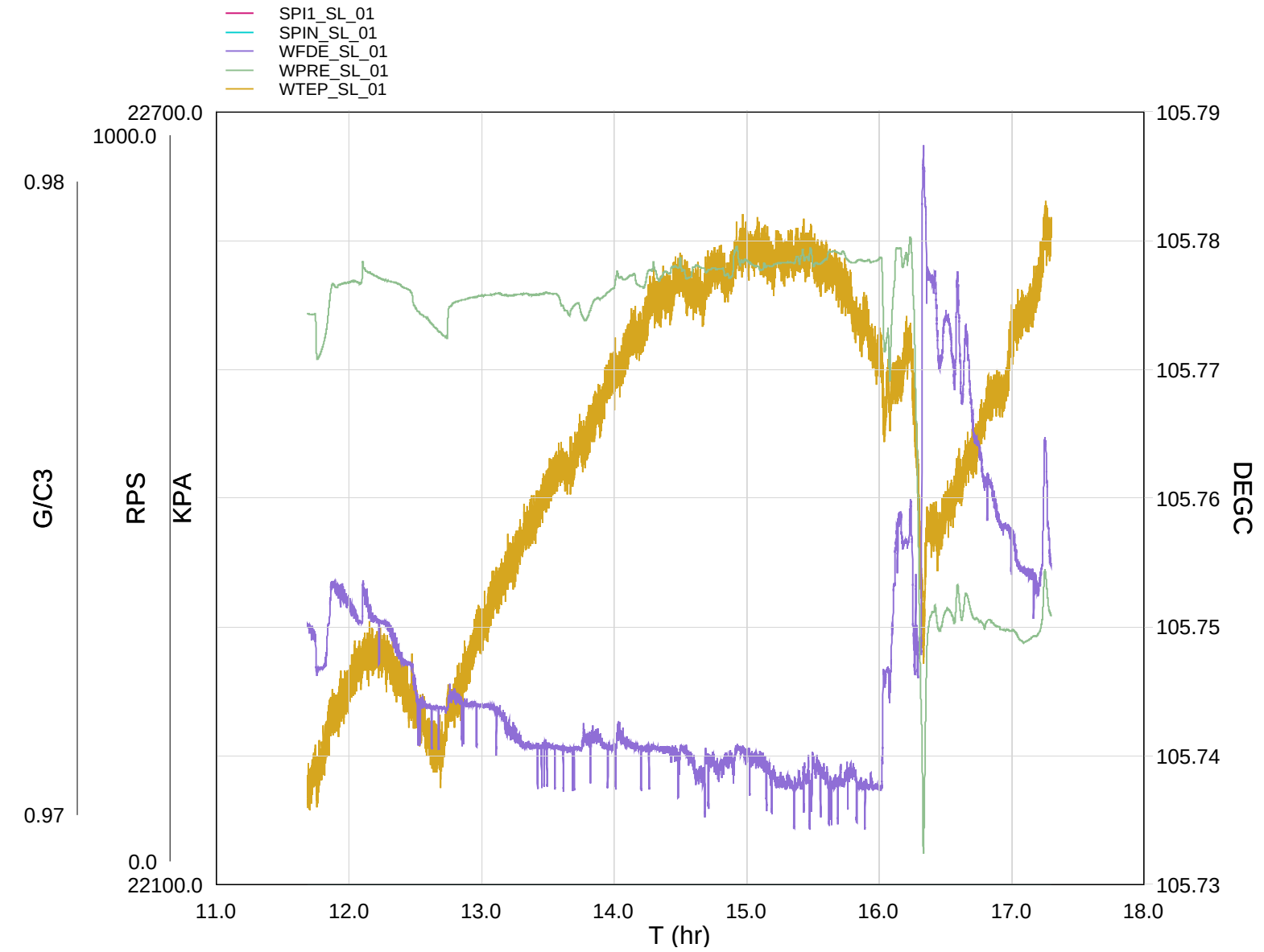
Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_125PUP	FN:102	PRODUCER	31−Jul−2008 13:41		

Schlumberger

Station Log @ 2930.0 MDKB
Opening / Flowing Well

MAXIS Field Log



TIME	SPIN	SPI1	WFDE	WTEP−PSIA	WPRE−DEGF
2400.0	0.0000	0.0000	0.9767	222.3247	3269.5688
2700.0	0.0000	0.0000	0.9766	222.3294	3269.5427
3000.0	0.0000	0.0000	0.9761	222.3304	3266.9181
3300.0	0.0000	0.0000	0.9772	222.3391	3272.6215
3600.0	0.0000	0.0000	0.9770	222.3398	3273.1175
3900.0	0.0000	0.0000	0.9768	222.3445	3273.1297
4200.0	0.0000	0.0000	0.9768	222.3474	3274.3149
4500.0	0.0000	0.0000	0.9767	222.3475	3273.6484
4800.0	0.0000	0.0000	0.9766	222.3430	3273.2468

5100.0	0.0000	0.0000	0.9762	222.3437	3272.6650
5400.0	0.0000	0.0000	0.9759	222.3408	3270.8212
5700.0	0.0000	0.0000	0.9756	222.3382	3269.3101
6000.0	0.0000	0.0000	0.9755	222.3313	3268.0704
6300.0	0.0000	0.0000	0.9755	222.3360	3266.9763
6600.0	0.0000	0.0000	0.9756	222.3416	3271.0491
6900.0	0.0000	0.0000	0.9756	222.3436	3271.3599
7200.0	0.0000	0.0000	0.9755	222.3506	3271.6283
7500.0	0.0000	0.0000	0.9756	222.3550	3271.7491
7800.0	0.0000	0.0000	0.9754	222.3587	3271.8293
8100.0	0.0000	0.0000	0.9752	222.3583	3271.7575
8400.0	0.0000	0.0000	0.9750	222.3638	3271.8390
8700.0	0.0000	0.0000	0.9750	222.3644	3271.7924
9000.0	0.0000	0.0000	0.9750	222.3687	3272.0498
9300.0	0.0000	0.0000	0.9750	222.3717	3271.8601
9600.0	0.0000	0.0000	0.9749	222.3714	3269.7547
9900.0	0.0000	0.0000	0.9750	222.3742	3270.7874
10200.0	0.0000	0.0000	0.9752	222.3788	3269.9462
10500.0	0.0000	0.0000	0.9750	222.3808	3271.3656
10800.0	0.0000	0.0000	0.9750	222.3848	3272.4153
11100.0	0.0000	0.0000	0.9750	222.3859	3273.5099
11400.0	0.0000	0.0000	0.9750	222.3903	3274.1458
11700.0	0.0000	0.0000	0.9749	222.3918	3272.9316
12000.0	0.0000	0.0000	0.9750	222.3950	3274.3802
12300.0	0.0000	0.0000	0.9749	222.3961	3274.3401
12600.0	0.0000	0.0000	0.9742	222.3988	3274.7561
12900.0	0.0000	0.0000	0.9748	222.3969	3273.7269
13200.0	0.0000	0.0000	0.9746	222.3944	3274.8543
13500.0	0.0000	0.0000	0.9747	222.3989	3274.7166
13800.0	0.0000	0.0000	0.9746	222.4006	3274.7278
14100.0	0.0000	0.0000	0.9745	222.4003	3275.1512
14400.0	0.0000	0.0000	0.9749	222.4036	3275.7227
14700.0	0.0000	0.0000	0.9748	222.4026	3274.9834
15000.0	0.0000	0.0000	0.9740	222.4026	3274.9408
15300.0	0.0000	0.0000	0.9744	222.4025	3275.3260
15600.0	0.0000	0.0000	0.9745	222.4013	3275.3923
15900.0	0.0000	0.0000	0.9745	222.4007	3275.2532
16200.0	0.0000	0.0000	0.9744	222.4043	3277.0526
16500.0	0.0000	0.0000	0.9746	222.4017	3275.3527
16800.0	0.0000	0.0000	0.9744	222.4006	3276.6997
17100.0	0.0000	0.0000	0.9744	222.3995	3276.5290
17400.0	0.0000	0.0000	0.9746	222.3925	3275.3816
17700.0	0.0000	0.0000	0.9744	222.3937	3275.5837
18000.0	0.0000	0.0000	0.9744	222.3865	3275.6352
18300.0	0.0000	0.0000	0.9761	222.3842	3267.8087
18600.0	0.0000	0.0000	0.9781	222.3865	3276.9888
18900.0	0.0000	0.0000	0.9783	222.3899	3278.2590
19200.0	0.0000	0.0000	0.9763	222.3580	3225.4401
19500.0	0.0000	0.0000	0.9816	222.3624	3235.9798
19800.0	0.0000	0.0000	0.9808	222.3649	3235.3265
20100.0	0.0000	0.0000	0.9803	222.3671	3234.7566
20400.0	0.0000	0.0000	0.9809	222.3754	3237.9795
20700.0	0.0000	0.0000	0.9793	222.3763	3235.3353
21000.0	0.0000	0.0000	0.9782	222.3810	3235.0409
21300.0	0.0000	0.0000	0.9783	222.3823	3234.3972
21600.0	0.0000	0.0000	0.9780	222.3877	3233.8970
21900.0	0.0000	0.0000	0.9775	222.3917	3232.8640
22200.0	0.0000	0.0000	0.9774	222.3967	3233.1726
22500.0	0.0000	0.0000	0.9776	222.4007	3235.6652

Schlumberger

Spinners Multipass Shut In

MAXIS Field Log

Company: Esso Australia Pty Ltd **Well: A−23**

Company: Esso Australia Pty Ltd **Well: A−23**

PLQL Data Manager Files

Pass # 1
Pass # 2
Pass # 3
Pass # 4
Pass # 5
Pass # 6
Pass # 7
Pass # 8

Company: Esso Australia Pty Ltd **Well: A−23**

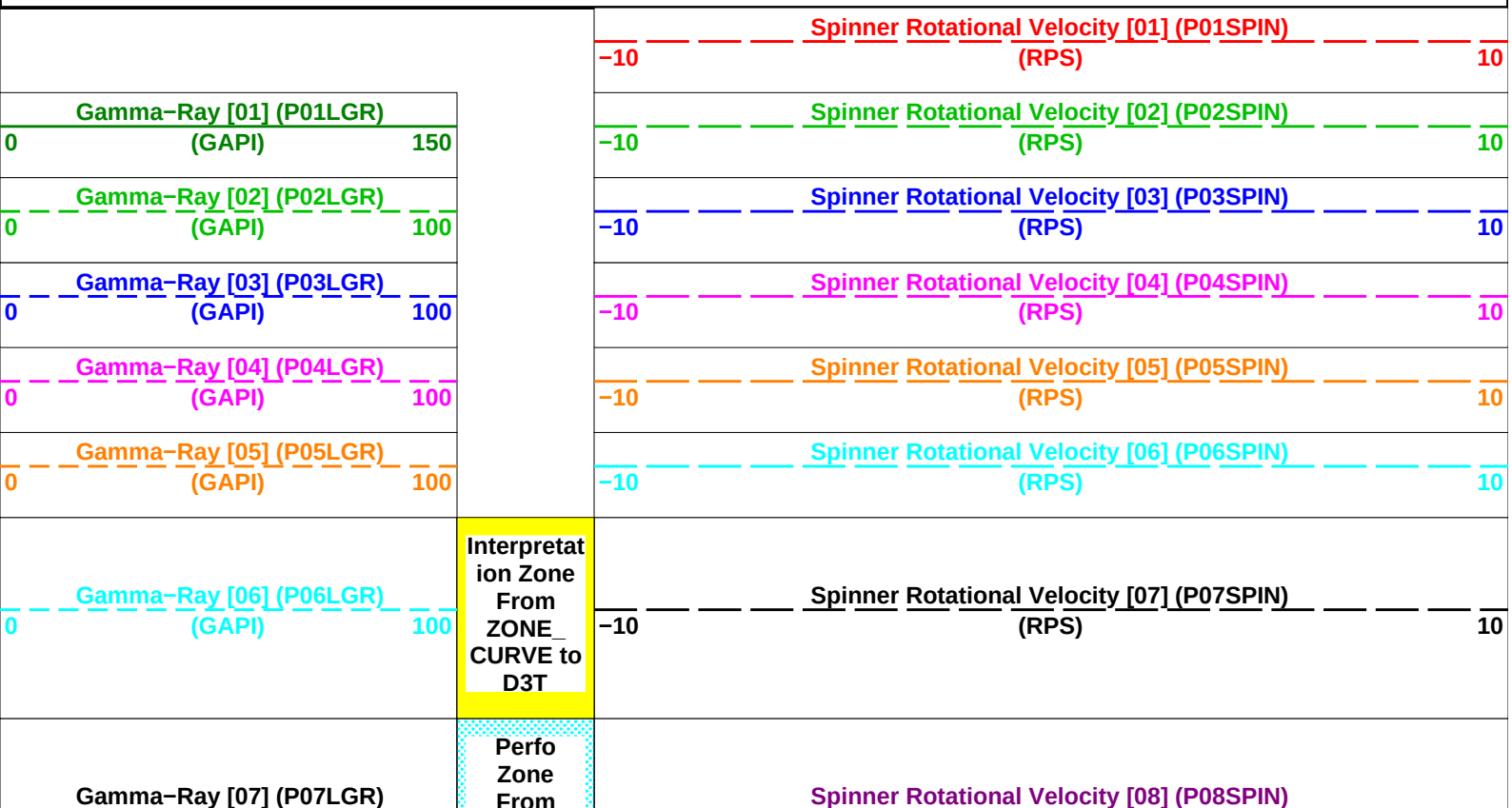
Output DLIS Files

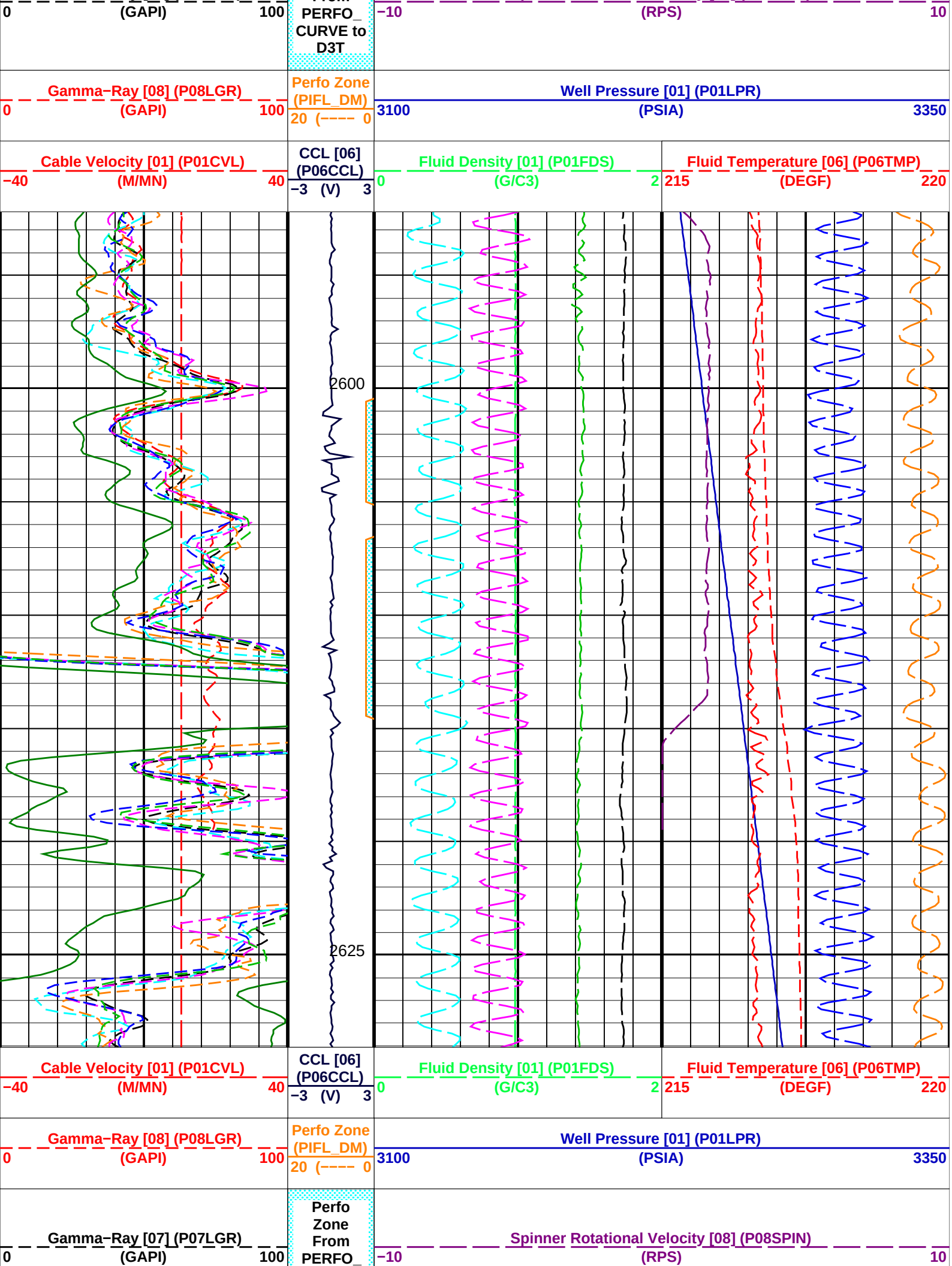
DEFAULT	FCS_ILS_DEFT_GMS_111PUP	FN:88	PRODUCER	31−Jul−2008 12:45	2629.1 M	2592.2 M

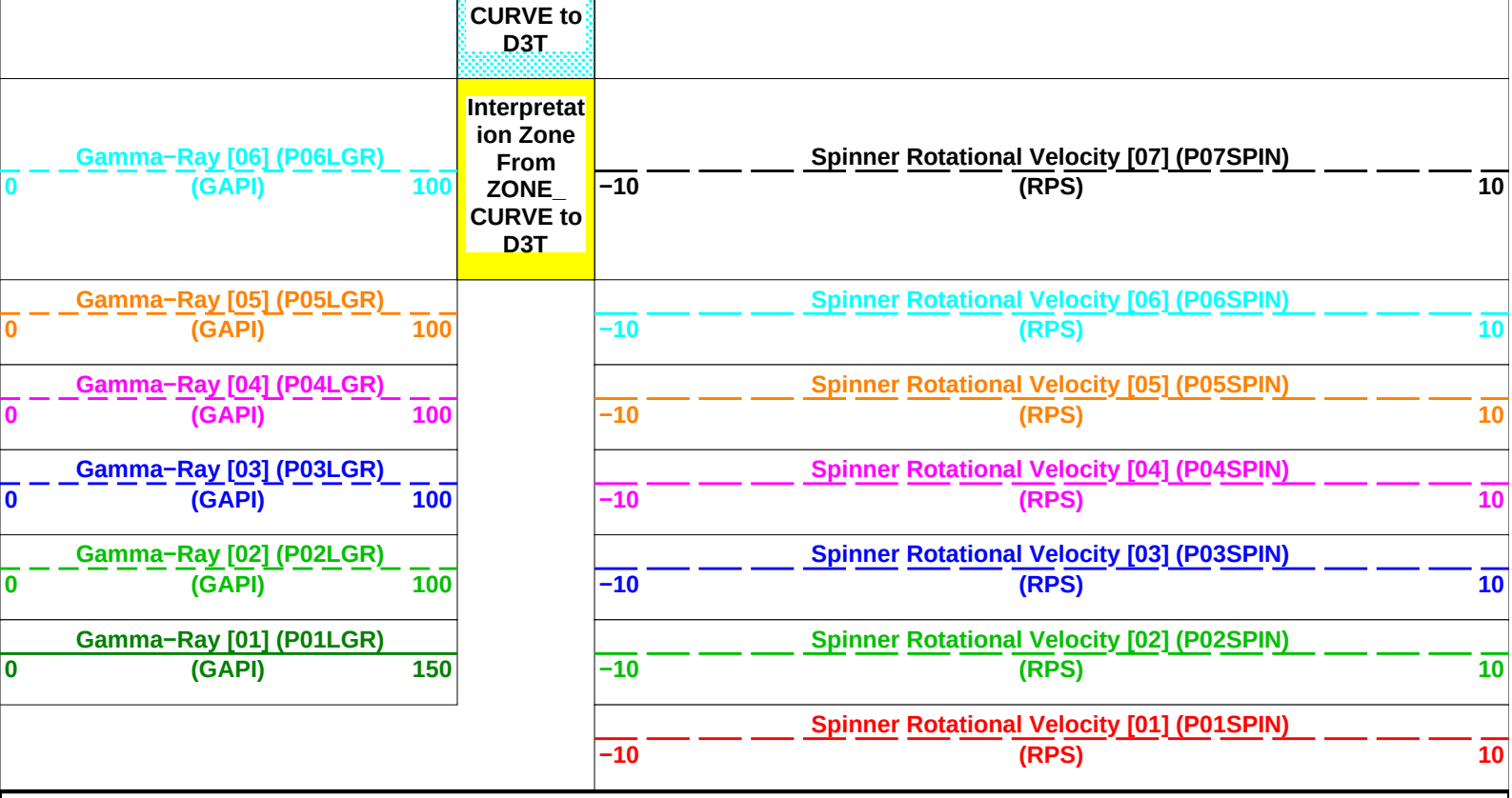
OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		




0
(GAPI)
100
Perfo
PERFO_
CURVE to
D3T
−10
(RPS)
10
Gamma−Ray [08] (P08LGR)
0
(GAPI)
100
Perfo Zone
(PIFL_DM)
20 (−−−− 0
Well Pressure [01] (P01LPR)
3100
(PSIA)
3350
Cable Velocity [01] (P01CVL)
−40
(M/MN)
40
CCL [06]
(P06CCL)
−3 (V) 3
Fluid Density [01] (P01FDS)
0
(G/C3)
2
Fluid Temperature [06] (P06TMP)
215
(DEGF)
220
2600
2625
Cable Velocity [01] (P01CVL)
−40
(M/MN)
40
CCL [06]
(P06CCL)
−3 (V) 3
Fluid Density [01] (P01FDS)
0
(G/C3)
2
Fluid Temperature [06] (P06TMP)
215
(DEGF)
220
Gamma−Ray [08] (P08LGR)
0
(GAPI)
100
Perfo Zone
(PIFL_DM)
20 (−−−− 0
Well Pressure [01] (P01LPR)
3100
(PSIA)
3350
Gamma−Ray [07] (P07LGR)
0
(GAPI)
100
Perfo
Zone
From
PERFO_
Spinner Rotational Velocity [08] (P08SPIN)
−10
(RPS)
10



Parameters

DLIS Name	Description	Value	
	PFCS-A: PSP Flow and caliper Tool		
CSID	Casing Size I.D.	6.969	IN
	DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.969	IN
	PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.969	IN
	PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.969	IN
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.969	IN
	PLQL: Production Logging Quick Look		
CCLS	CCL Selector	CCLC	
FCHD	Cased Hole Diameter Selector	PFC1	
PCVS	CVEL Selector	CVEL	
PGRS	GR Selector	GR	
PGS	Pressure Gauge Selector	WPRE	
PWHS	PLQL Water HoldUp Selector	DFHM	
RHOS	Fluid Density Selector	WFDE	
SPIS	Spinner Selector	SPIN	
TMPS	Temperature Selector	WTEP	
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: PLQLMultiPassWithInsert_1 **Vertical Scale: 1:200** **Graphics File Created: 31-Jul-2008 12:45**

OP System Version: 15C0-309

MCM

PFCS-A	SRPC-3546-Q1_2008_OP15	PILS-A	SRPC-3546-Q1_2008_OP15
DEFT-C2	SRPC-3546-Q1_2008_OP15	PGMC-A/B	SRPC-3546-Q1_2008_OP15
PSPT-A/B	SRPC-3546-Q1_2008_OP15		

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_111PUP	FN:88	PRODUCER	31-Jul-2008 12:45

Schlumberger

Down Log @ 1970 ft/hr
Shut In

Shut-in

MAXIS Field Log

Company: Esso Australia Pty Ltd **Well: A−23**

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_062PUP	FN:39	PRODUCER	30−Jul−2008 18:51	2652.7 M	2572.8 M

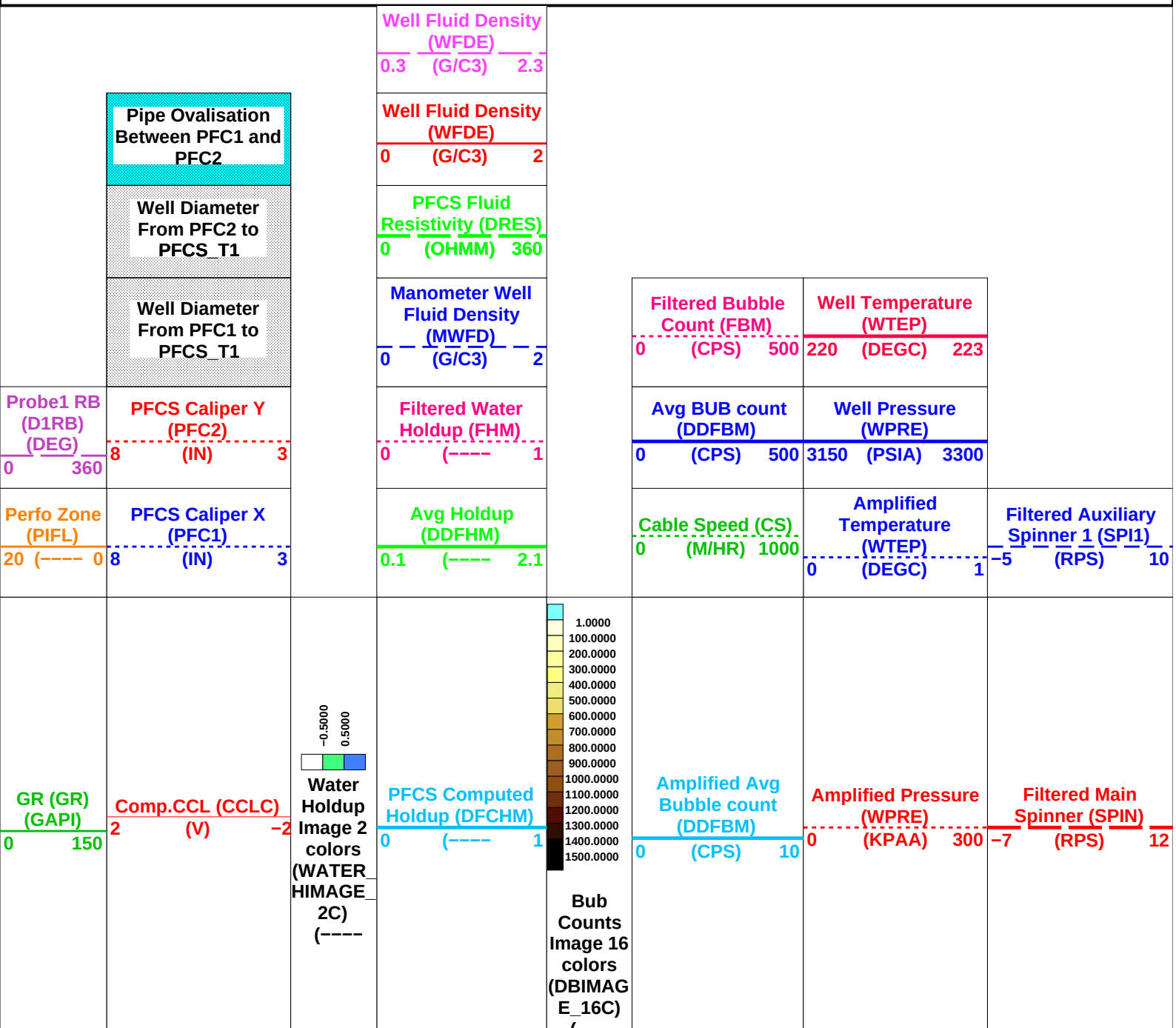
Output DLIS Files

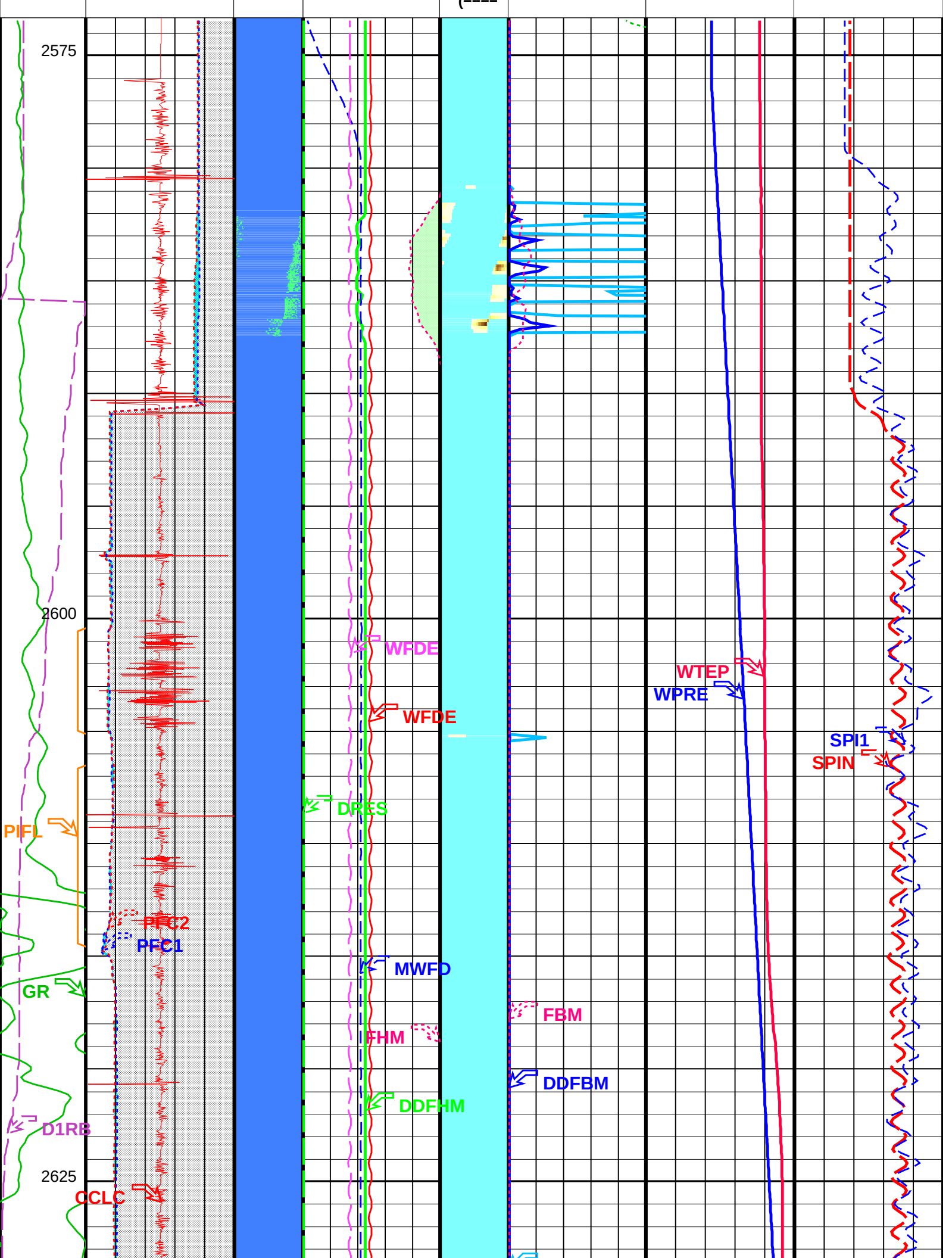
DEFAULT	FCS_ILS_DEFT_GMS_117PUP	FN:94	PRODUCER	31−Jul−2008 13:15	2652.7 M	2573.3 M

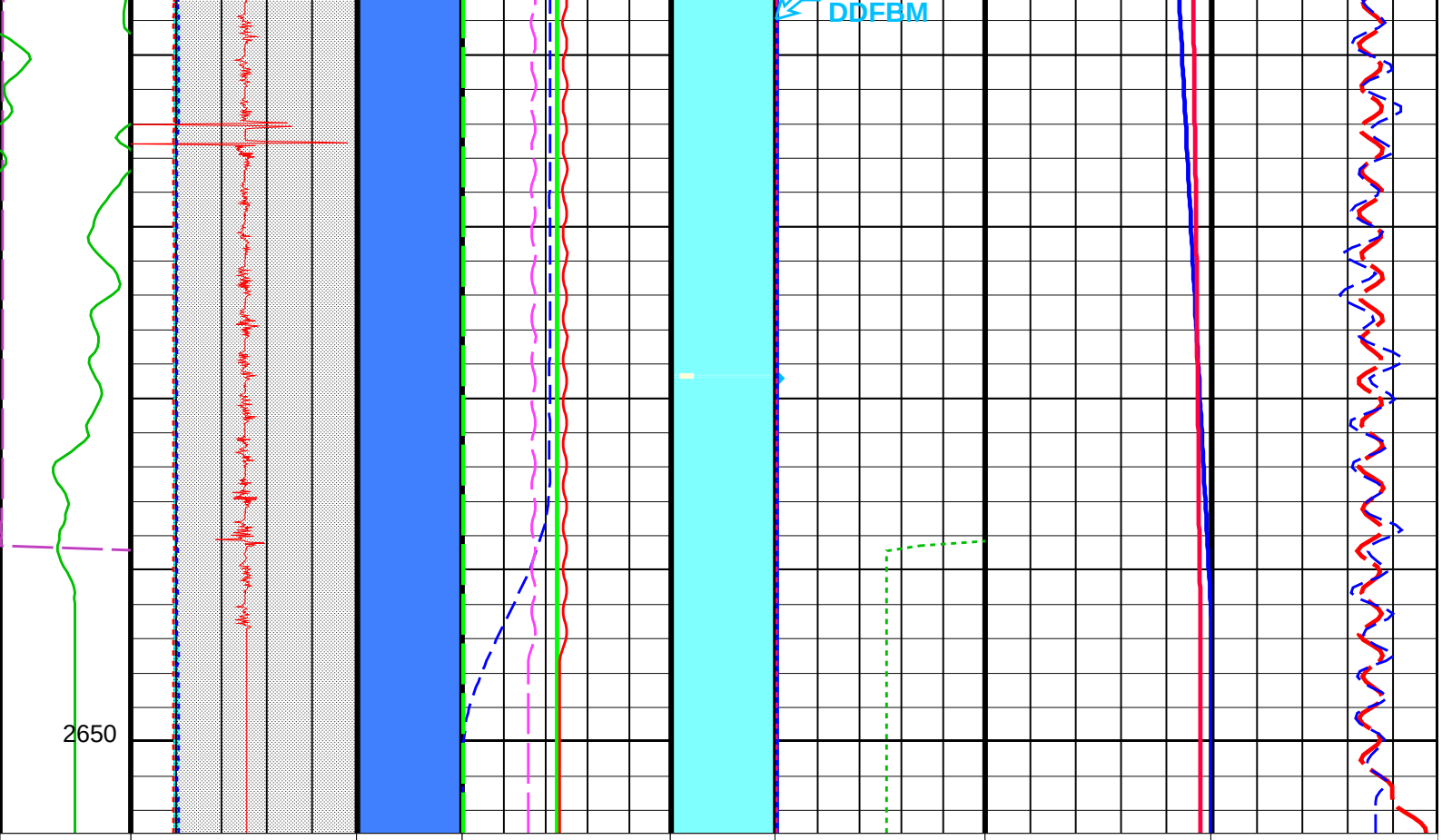
OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		




2575
2600
2625
WFDE
WFDE
DRES
PIFL
PFC2
PFC1
MWFD
GR
FBM
FHM
DDFBM
DDFHM
D1RB
CCLC
WTEP
WPRE
SPI1
SPIN



GR (GR) (GAPI)
0 150

Comp.CCL (CCLC)
2 (V) −2

−0.5000 0.5000
Water Holdup Image 2 colors (WATER_HIMAGE_2C) (----

PFCS Computed Holdup (DFCHM)
0 (---- 1

1.0000
100.0000
200.0000
300.0000
400.0000
500.0000
600.0000
700.0000
800.0000
900.0000
1000.0000
1100.0000
1200.0000
1300.0000
1400.0000
1500.0000
Bub Counts Image 16 colors (DBIMAGE_16C) (----

Amplified Avg Bubble count (DDFBM)
0 (CPS) 10

Amplified Pressure (WPRE)
0 (KPAA) 300

Filtered Main Spinner (SPIN)
−7 (RPS) 12

Perfo Zone (PIFL)
20 (---- 0

PFCS Caliper X (PFC1)
8 (IN) 3

Avg Holdup (DDFHM)
0.1 (---- 2.1

Cable Speed (CS)
0 (M/HR) 1000

Amplified Temperature (WTEP)
0 (DEGC) 1

Filtered Auxiliary Spinner 1 (SPI1)
−5 (RPS) 10

Probe1 RB (D1RB) (DEG)
0 360

PFCS Caliper Y (PFC2)
8 (IN) 3

Filtered Water Holdup (FHM)
0 (---- 1

Avg BUB count (DDFBM)
0 (CPS) 500

Well Pressure (WPRE)
3150 (PSIA) 3300

Well Diameter From PFC1 to PFCS_T1

Manometer Well Fluid Density (MWFD)
0 (G/C3) 2

Filtered Bubble Count (FBM)
0 (CPS) 500

Well Temperature (WTEP)
220 (DEGC) 223

Well Diameter From PFC2 to PFCS_T1

PFCS Fluid Resistivity (DRES)
0 (OHMM) 360

Pipe Qualification

Well Fluid Density

Pipe Ovalisation Between PFC1 and PFC2

Well Fluid Density (WFDE)
0 (G/C3) 2

Well Fluid Density (WFDE)
0.3 (G/C3) 2.3

Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 31−Jul−2008 13:15

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2−D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	PILS−A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2−D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP2	Probes Arm Position (2nd tool)	A	
PFGC	PFCS Geometrical coefficient	1200	
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.969	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
	PSPT−A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.969	IN
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.969	IN
	System and Miscellaneous		
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_062PUP	FN:39	PRODUCER	30−Jul−2008 18:51	2652.7 M	2572.8 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_117PUP	FN:94	PRODUCER	31−Jul−2008 13:15

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_062PUP	FN:39	PRODUCER	30−Jul−2008 18:51	2652.7 M	2572.8 M

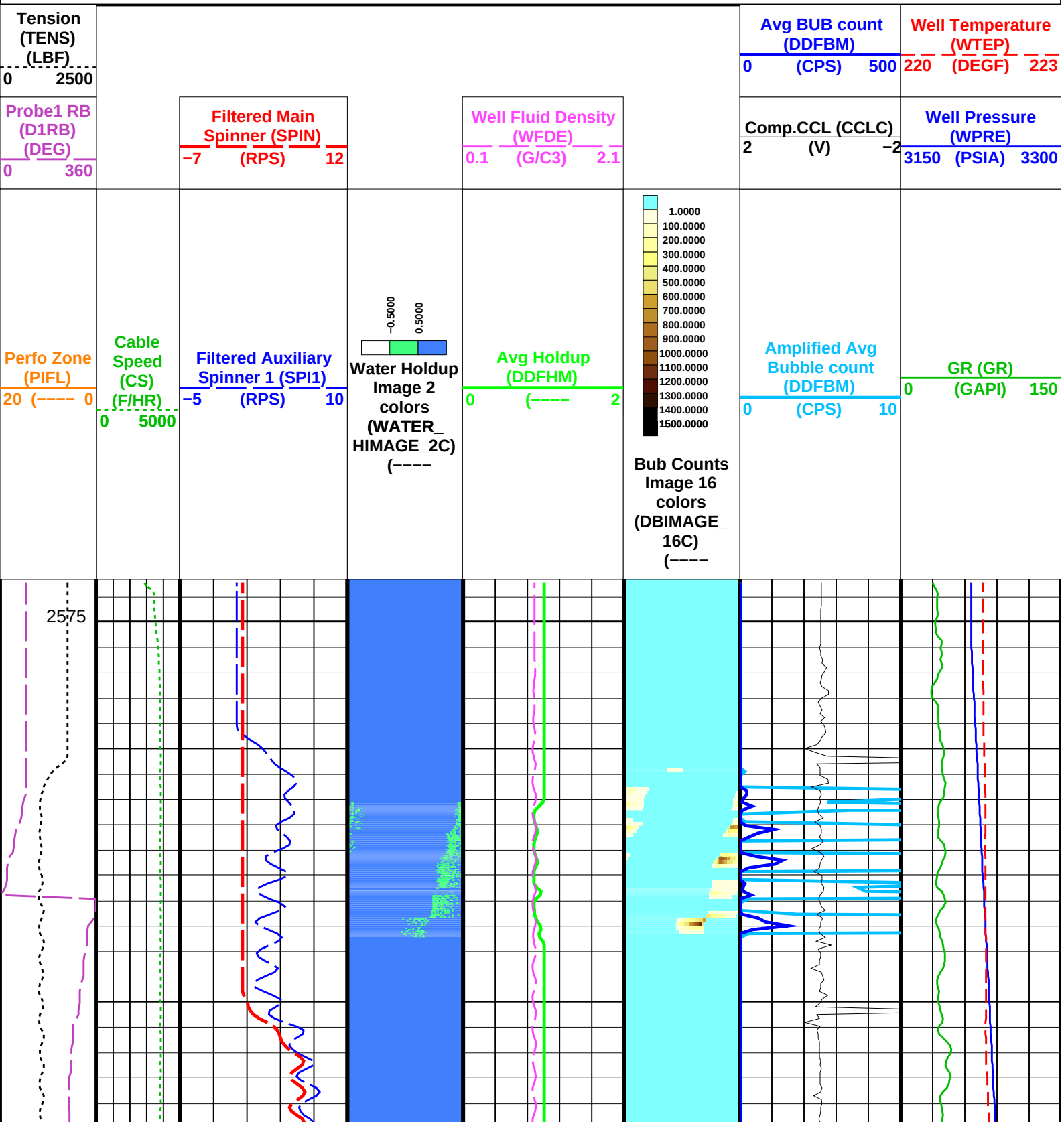
Output DLIS Files

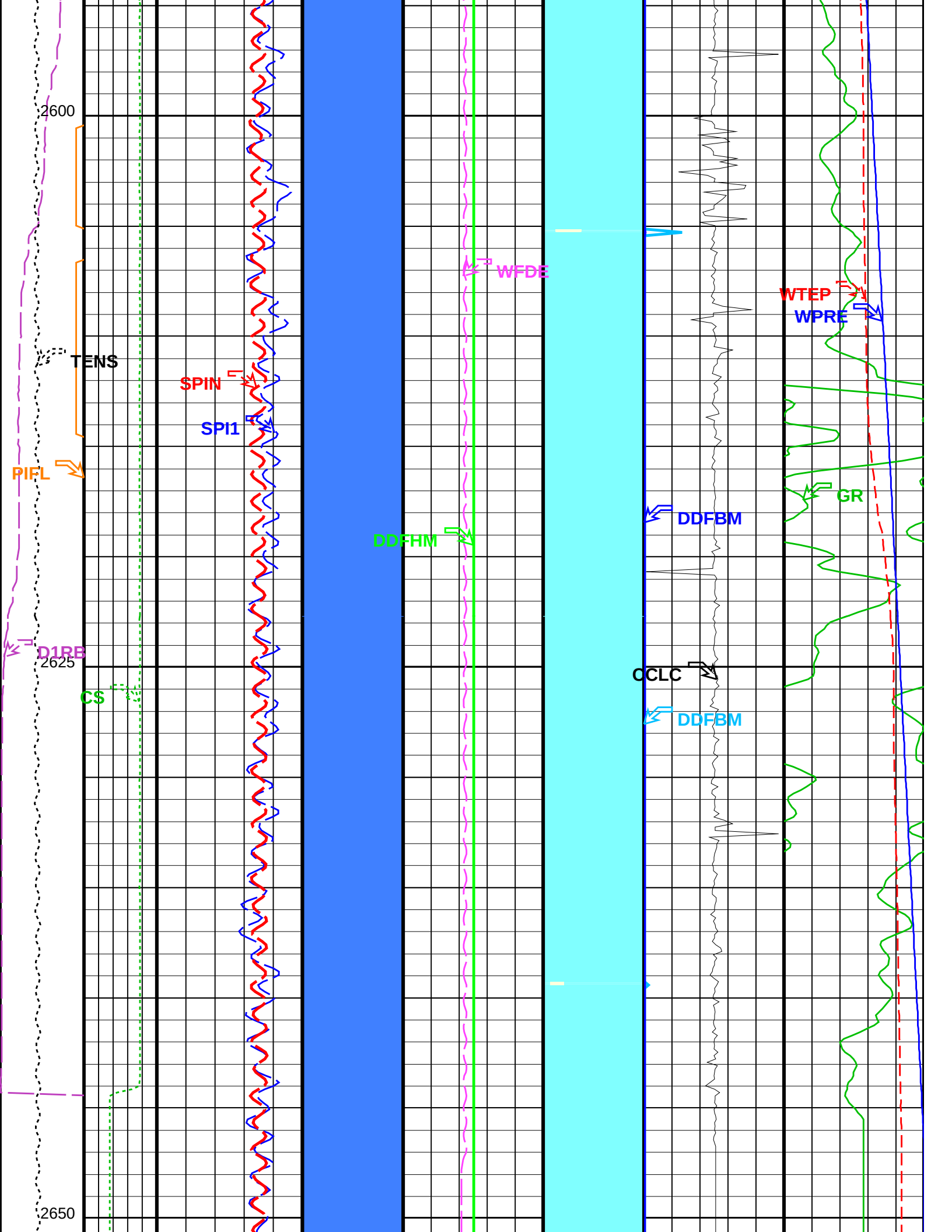
DEFAULT	FCS_ILS_DEFT_GMS_120PUP	FN:97	PRODUCER	31−Jul−2008 13:30	2652.7 M	2573.3 M

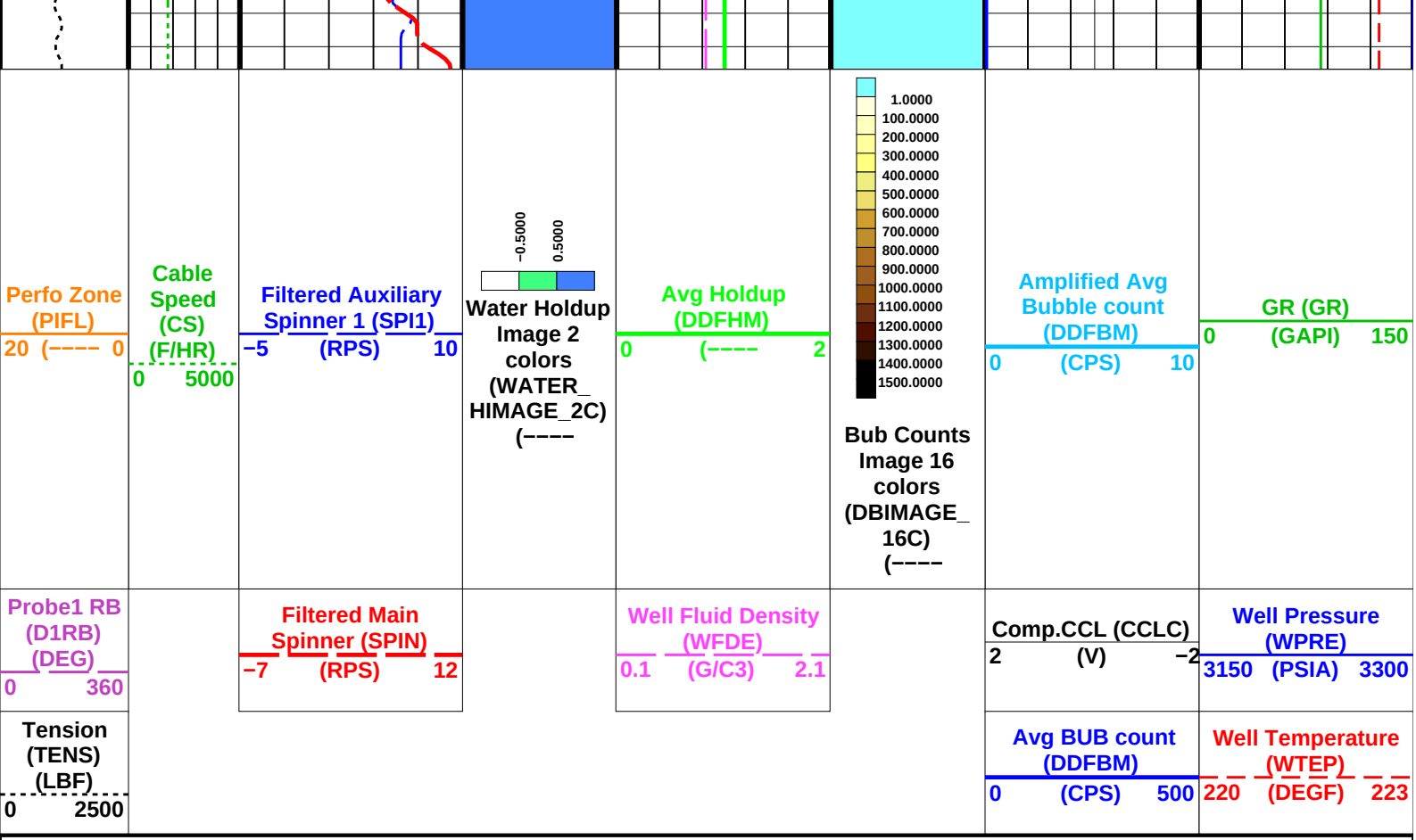
OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		




2600
TENS
SPIN
SPI1
PIFL
D1RB
2625
CS
WFDE
DDFHM
DDFBM
CCLC
DDFBM
WTEP
WPRE
GR
2650



Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 31−Jul−2008 13:30

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2−D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	PILS−A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.969	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2−D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.969	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3

	PSPT−A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.969	IN
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.969	IN
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_062PUP	FN:39	PRODUCER	30−Jul−2008 18:51	2652.7 M	2572.8 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_120PUP	FN:97	PRODUCER	31−Jul−2008 13:30		

Schlumberger

Correlation Pass

MAXIS Field Log

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_062PUP	FN:39	PRODUCER	30−Jul−2008 18:51	2652.7 M	2572.8 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_098PUP	FN:75	PRODUCER	31−Jul−2008 11:22	2652.7 M	2573.3 M

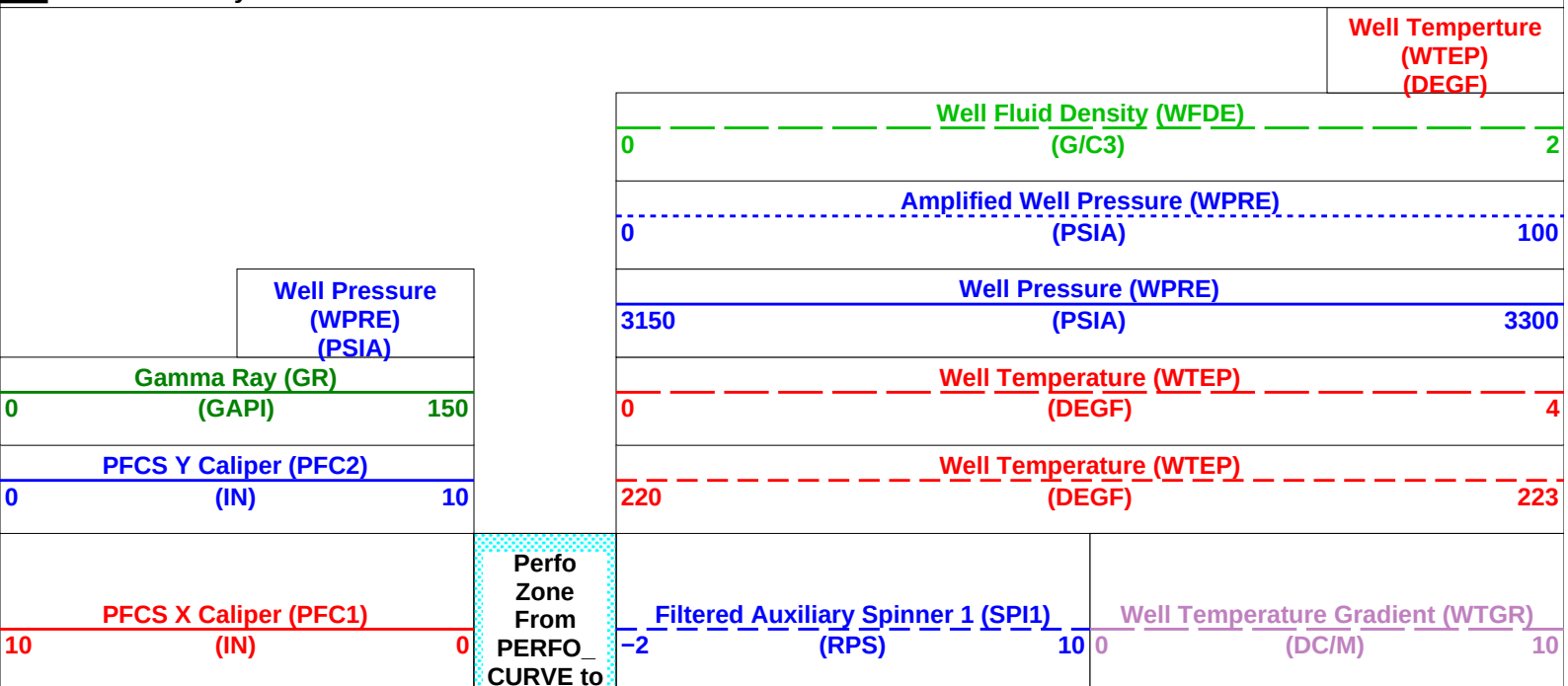
OP System Version: 15C0−309

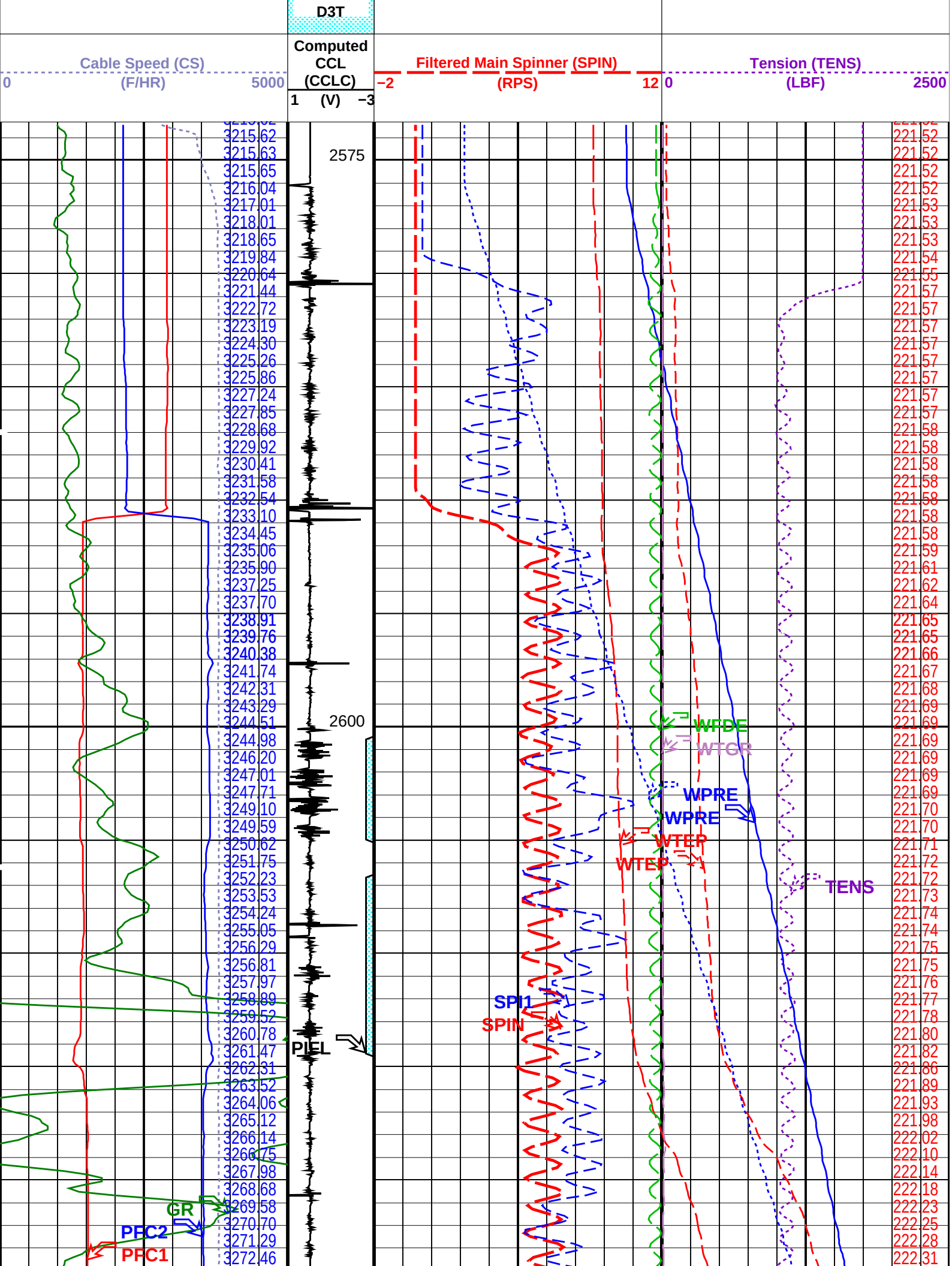
MCM

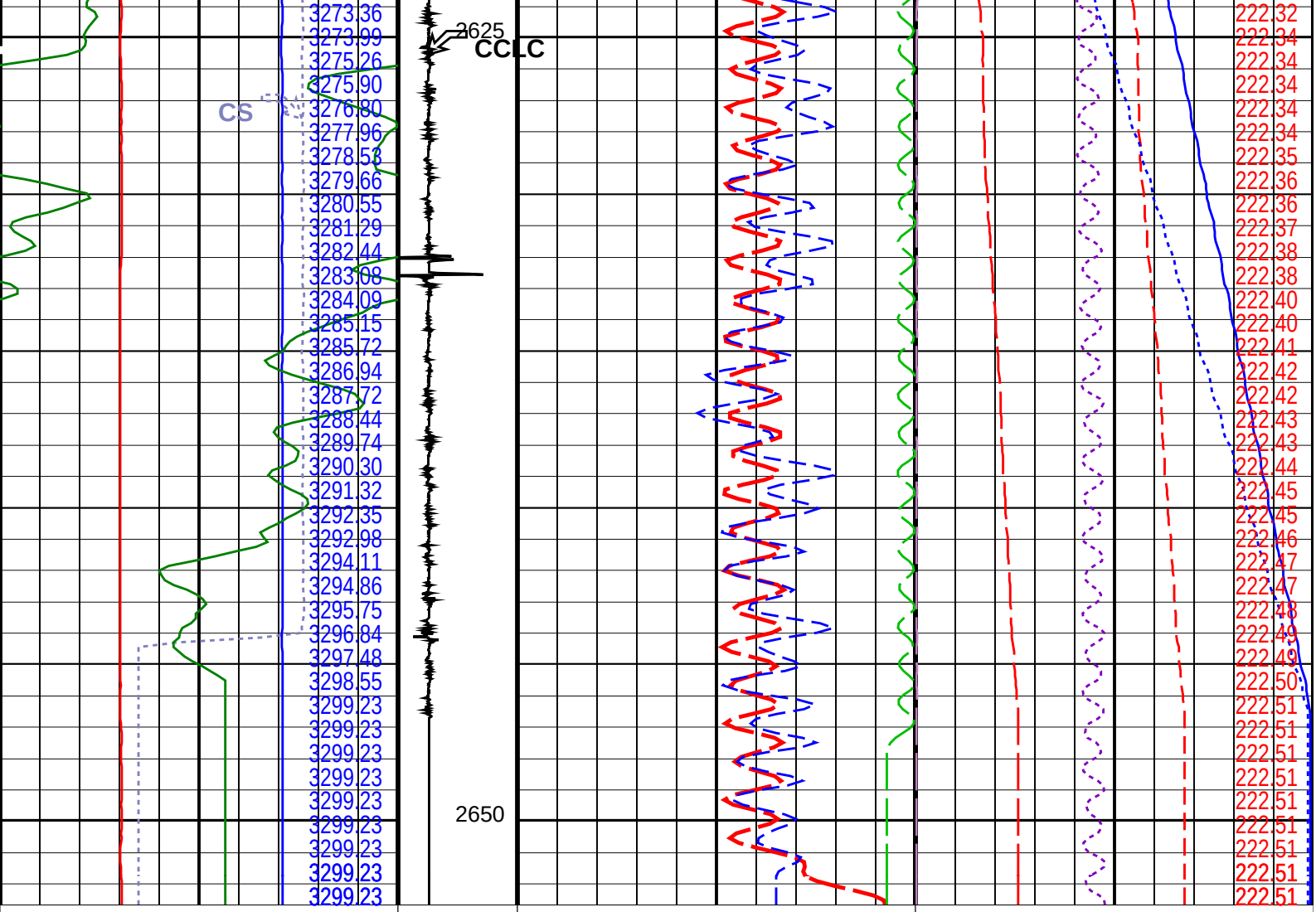
PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

PIP SUMMARY

Time Mark Every 60 S




D3T
Cable Speed (CS)
0
(F/HR)
5000
Computed CCL (CCLC)
1
(V)
−3
Filtered Main Spinner (SPIN)
−2
(RPS)
12
Tension (TENS)
0
(LBF)
2500
2575
2600
PIEL
GR
PFC2
PFC1
SPI1
SPIN
WPDE
WTGR
WPRE
WPRE
WTEP
WTEP
TENS



Cable Speed (CS)
0 (F/HR) 5000

Computed CCL (CCLC)
1 (V) −3

Filtered Main Spinner (SPIN)
−2 (RPS) 12

Tension (TENS)
0 (LBF) 2500

PFCS X Caliper (PFC1)
10 (IN) 0

Perfo Zone From PERFO_ CURVE to D3T

Filtered Auxiliary Spinner 1 (SPI1)
−2 (RPS) 10

Well Temperature Gradient (WTGR)
0 (DC/M) 10

PFCS Y Caliper (PFC2)
0 (IN) 10

Well Temperature (WTEP)
220 (DEGF) 223

Gamma Ray (GR)
0 (GAPI) 150

Well Temperature (WTEP)
0 (DEGF) 4

Well Pressure (WPRE) (PSIA)

Well Pressure (WPRE)
3150 (PSIA) 3300

Amplified Well Pressure (WPRE)
0 (PSIA) 100

Well Fluid Density (WFDE)
0 (G/C3) 2

Well Temperture (WTEP) (DEGF)

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 31−Jul−2008 11:22

OP System Version: 15C0−309

MCM

PFCS−A	SRPC−3546−Q1_2008_OP15	PILS−A	SRPC−3546−Q1_2008_OP15
DEFT−C2	SRPC−3546−Q1_2008_OP15	PGMC−A/B	SRPC−3546−Q1_2008_OP15
PSPT−A/B	SRPC−3546−Q1_2008_OP15		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	PILS−A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
	PSPT−A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_062PUP	FN:39	PRODUCER	30−Jul−2008 18:51	2652.7 M	2572.8 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_098PUP	FN:75	PRODUCER	31−Jul−2008 11:22

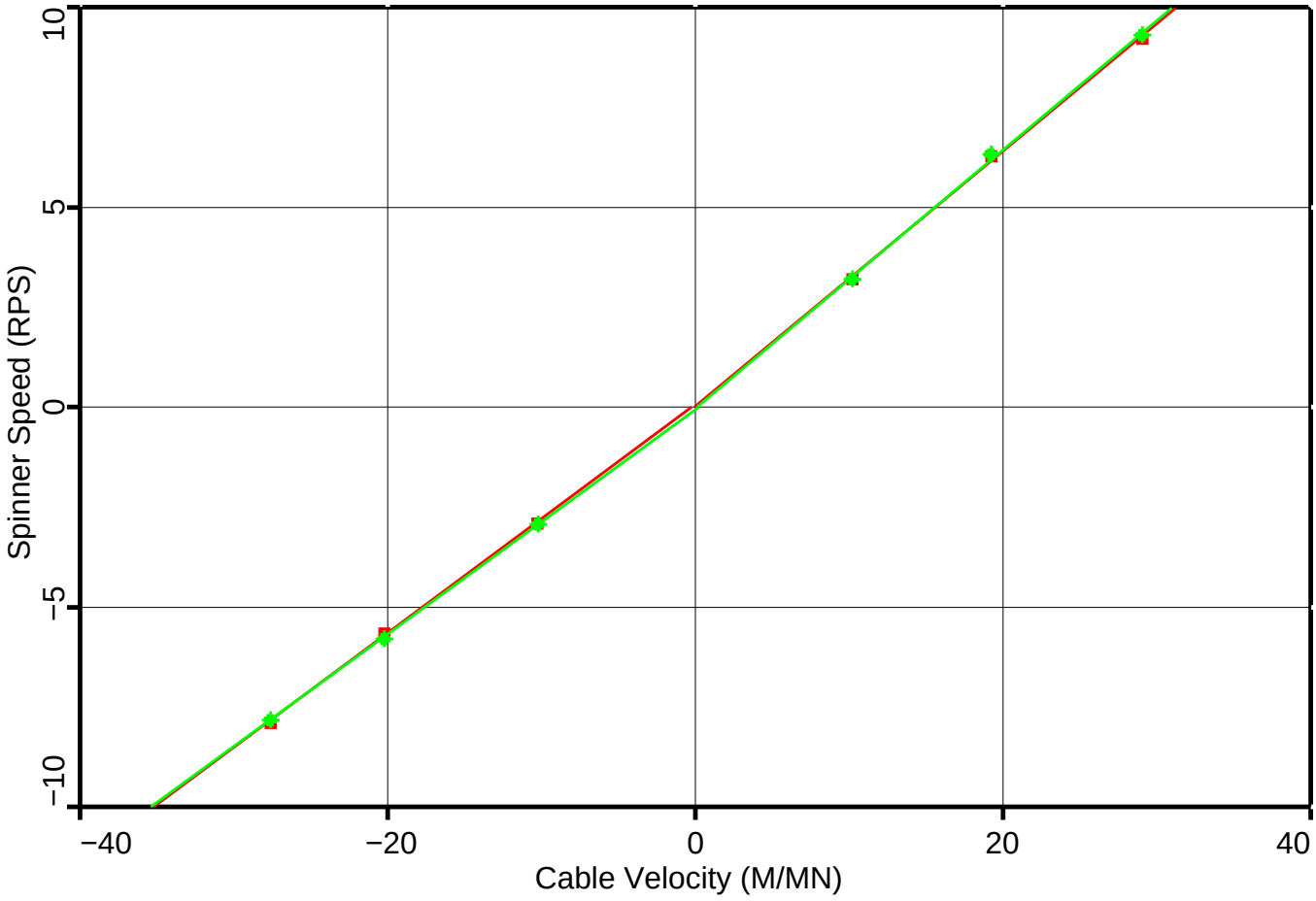
Schlumberger

Spinner Calibration

MAXIS Field Log

Production Logging Quicklook Spinner Calibration

	Zone Depth (M)	Fluid Vel. (M/MN)	Positive Spinner Slope (RSMM)	Positive Spinner Intercept (M/MN)	Positive Spinner Correl.	Negative Spinner Slope (RSMM)	Negative Spinner Intercept (M/MN)	Negative Spinner Correl.
Zone 1	2625.0 − 2620.0 :	−1.$	0.3198	−0	0.999	0.2864	−0.2	1
Zone 2	2635.0 − 2630.0 :	1.$	0.324	0.1	0.999	0.2807	0.3	1



Schlumberger

Calibration Listing

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
PSP Flow and caliper Tool Wellsite Calibration − PFCS Caliper Calibration							
Before: 26−Jul−2008 9:44							
PFCS CaliperX Small Ring	5.500	N/A	5.308	N/A	N/A	N/A	IN
PFCS CaliperX Large Ring	8.000	N/A	8.035	N/A	N/A	N/A	IN
PFCS CaliperY Small Ring	5.500	N/A	5.611	N/A	N/A	N/A	IN
PFCS CaliperY Large Ring	8.000	N/A	8.262	N/A	N/A	N/A	IN
DEFT_C Tool Wellsite Calibration − DEFT_C2 Caliper Calibration							
Before: 26−Jul−2008 9:49							
DEFT−C2 Caliper Small Ring	5.500	N/A	5.390	N/A	N/A	N/A	IN
DEFT−C2 Caliper Large Ring	8.000	N/A	7.955	N/A	N/A	N/A	IN
Production Services Logging Platform Wellsite Calibration − Detector Calibration							
Before: 26−Jul−2008 10:05							
Gamma−Ray Jig−Bkg	125.0	N/A	117.2	N/A	N/A	N/A	GAPI

PSP Flow and caliper Tool / Equipment Identification

PSP Flow and caliper Tool / Equipment Identification

Primary Equipment:

PFCS Cartridge	PFCC − A	799
PFCS Caliper	Cali −	799
PFCS Relative Bearing	Rela −	799
PFCS 3.5 Spinner Diameter	Spin −	799
PFCS Fluid Holdup Electric Probes	Hold −	799

Auxiliary Equipment:

PFCS Cartridge Housing	PFCH − A	799

PSP Flow and caliper Tool Wellsite Calibration

PFCS Caliper Calibration

Phase	PFCS CaliperX Small Ring IN	Value
Before		5.308
	N/A (Minimum) 5.500 (Nominal) N/A (Maximum)	

Phase	PFCS CaliperX Large Ring IN	Value
Before		8.035
	N/A (Minimum) 8.000 (Nominal) N/A (Maximum)	

Phase	PFCS CaliperY Small Ring IN	Value
Before		5.611
	N/A (Minimum) 5.500 (Nominal) N/A (Maximum)	

Phase	PFCS CaliperY Large Ring IN	Value
Before		8.262
	N/A (Minimum) 8.000 (Nominal) N/A (Maximum)	

Before: 26−Jul−2008 9:44

DEFT_C Tool / Equipment Identification

Primary Equipment:

DEFTC Cartridge	DFCC − C	716
DEFT_C Caliper	Cali −	716
DEFT_C2 Relative Bearing	Rela −	716
DEFT_C Flowmeter probes	Flow −	716

Auxiliary Equipment:

DEFTC Cartridge Housing	DFCH − C	716

DEFT_C Tool Wellsite Calibration

DEFT_C2 Caliper Calibration

Phase	DEFT−C2 Caliper Small Ring IN	Value
Before		5.390
	N/A (Minimum) 5.500 (Nominal) N/A (Maximum)	

Phase	DEFT−C2 Caliper Large Ring IN	Value
Before		7.955
	N/A (Minimum) 8.000 (Nominal) N/A (Maximum)	

Before: 26−Jul−2008 9:49

Production Services Logging Platform / Equipment Identification

Primary Equipment:

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

Auxiliary Equipment:

Production Services Logging Platform Wellsite Calibration

Detector Calibration

Phase	Gamma−Ray Background GAPI	Value
Before		20.19
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)	

Phase	Gamma−Ray Jig−Bkg GAPI	Value
Before		117.2
	110.0 (Minimum) 125.0 (Nominal) 140.0 (Maximum)	

Before: 26−Jul−2008 10:05

Company:	**Esso Australia Pty Ltd**
Well:	**A−23**
Field:	**Mackerel**
Rig :	**Prod 4 / Crane**
Country:	**Australia**

Schlumberger

Dual Deft / Spinner
GR−PLT−Gradic
Survey