Co
W
Fie
Ri

Rig : Prod4 / Crane

Field: Cobia

Logg	
Run	
Dept	
Schl	
Botto	
Top L	
Casi	
Salin	
Dens	
Fluid	
BIT	
Bit S	
From	
To	
Casi	
Weig	
Grad	
From	
To	
Maxi	
Logg	
Unit	
Reco	
Witne	

Schlumberger

ompany: **Esso Australia Pty Ltd.**

ell: **F−11a**
eld: **Cobia**
g : **Prod4 / Crane** Country: **Australia**

Dual Deft / Spinner
GR−PLT−PGMC
Survey

Location: Gippsland
Well: F−11a
Company: Esso Australia Pty Ltd.

LOCATION

Gippsland	Elev.:	K.B.	32.4 m
Basin		G.L.	−79 m
Bass Strait		D.F.	32.4 m

Permanent Datum:	M.S.L	Elev.:	0 m
Log Measured From:	D.F	32.4 m	above Perm. Datum
Drilling Measured From:	D.F		

State:	Max. Well Deviation	Longitude	Latitude
Victoria	63 deg	148 18'32.566"E	038 26'57.593"S

ing Date	5−Jun−2007			Logging Date	
Number	One			Run Number	
h Driller	3765 m			Depth Driller	
umberger Depth	3760 m			Schlumberger Depth	
om Log Interval	3760 m			Bottom Log Interval	
Log Interval	3725 m			Top Log Interval	
ng Fluid Type	Production Fluids			Casing Fluid Type	
ity				Salinity	
sity				Density	
Level	124 m			Fluid Level	
/CASING/TUBING STRING				BIT/CASING/TUBING STRING	
ize	9.785 in			Bit Size	
				From	
				To	
ng/Tubing Size	7.625 in			Casing/Tubing Size	
ht	29.7 lbm/ft			Weight	
e	L−80			Grade	
	18.75 m			From	
	3987.23 m			To	
mum Recorded Temperatures	224 degF			Maximum Recorded Temperatures	
er On Bottom Time	30−May−2007	9:30		Logger On Bottom Time	
Number Location	889	Prod4 / Crane		Unit Number Location	
orded By	G Wright. S Gilbert			Recorded By	
essed By	G Rimmer. R Morris			Witnessed By	

PVT DATA	Run 1
Oil Density	
Water Salinity	
Gas Gravity	
Bo	
Bw	
1/Bg	
Bubble Point Pressure	
Bubble Point Temperature	
Solution GOR	
Maximum Deviation	63 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	

DEPTH SUMMARY LISTING

Date Created: 29−MAY−2007 7:27:44

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:	0.00 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:	Offshore_Fixed
Wheel Correction 2:	−4				

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	ExxonMobil Correlation Logs
Reference Log Run Number:	1
Reference Log Date:	May−2007

Depth Control Remarks

1. IDW used as primary depth control.
2. Z chart as secondary back−up.
3.
4.
5.
6.

OTHER SERVICES1
OS1: None
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 1
Log correlated to ExxonMobil Solar composite supplied with program.
Maximum well deviation = 63 degrees at 2892m MDKB.
Objectives:Conduct a PLT D/DEFT survey form HUD to 3730m MDKB
making 6 static & flowing passes at varying speeds
Had trouble completing the static and flowing down passes
due to well conditions .
SBHP: 3054 psia SBHT: 223 degf
FBHP: 2997 psia FBHT: 224 degf
STATIC−PAP: 5625 kpa THP: 107 kpa
FLOWING−PAP: 9570 kpa FTHP: 2160 wth 32km3 of Gas lift

Crew : Andrew Hall & John Light. (Days)
Chris Shiells & David Stucky (Nights)

RUN 1

SERVICE ORDER #: Ausl07328228
PROGRAM VERSION: 14C0−302
FLUID LEVEL: 124 m

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

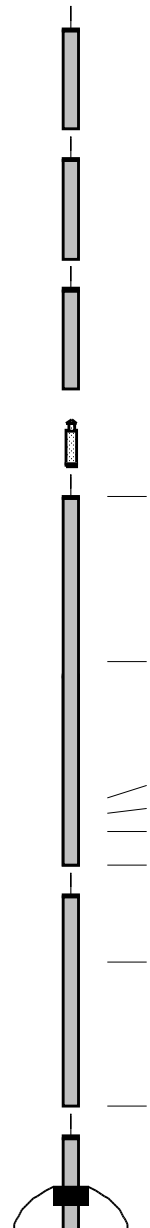
EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

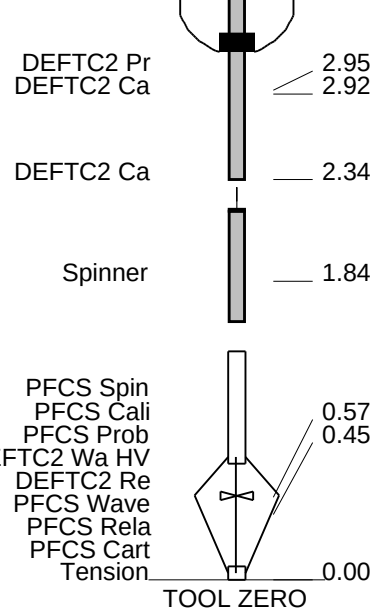
WITM−A 1
PSC_16MHZ 806

DOWNHOLE EQUIPMENT



SWBS−B 761 — 10.55
SWBS−B 762 — 9.86
SWBS−B 763 — 9.17
MH−SWHS−A 753 — 8.49
MH−SWHS−A 753
Detail MT
TelStatus
CTEM — 8.16
PSPT−A/B 827 — 8.16
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 — 7.03
Well_Temp — 6.10
CQG Manom — 5.99
CCL — 5.87
PBMS PSTC — 5.64
PGMC−A/B 826 — 5.64
PGMC−A 826
PSOI_Gradio 1926
Gradioman — 5.18
PGMC — 4.19
DEFT−C2 718 — 4.19
Flowmeter Probes−4 716
Relative Bearing−1 716
Caliper−1 716

DFCC−C 716
DFCH−C 716



PILS−A 839 — 2.34

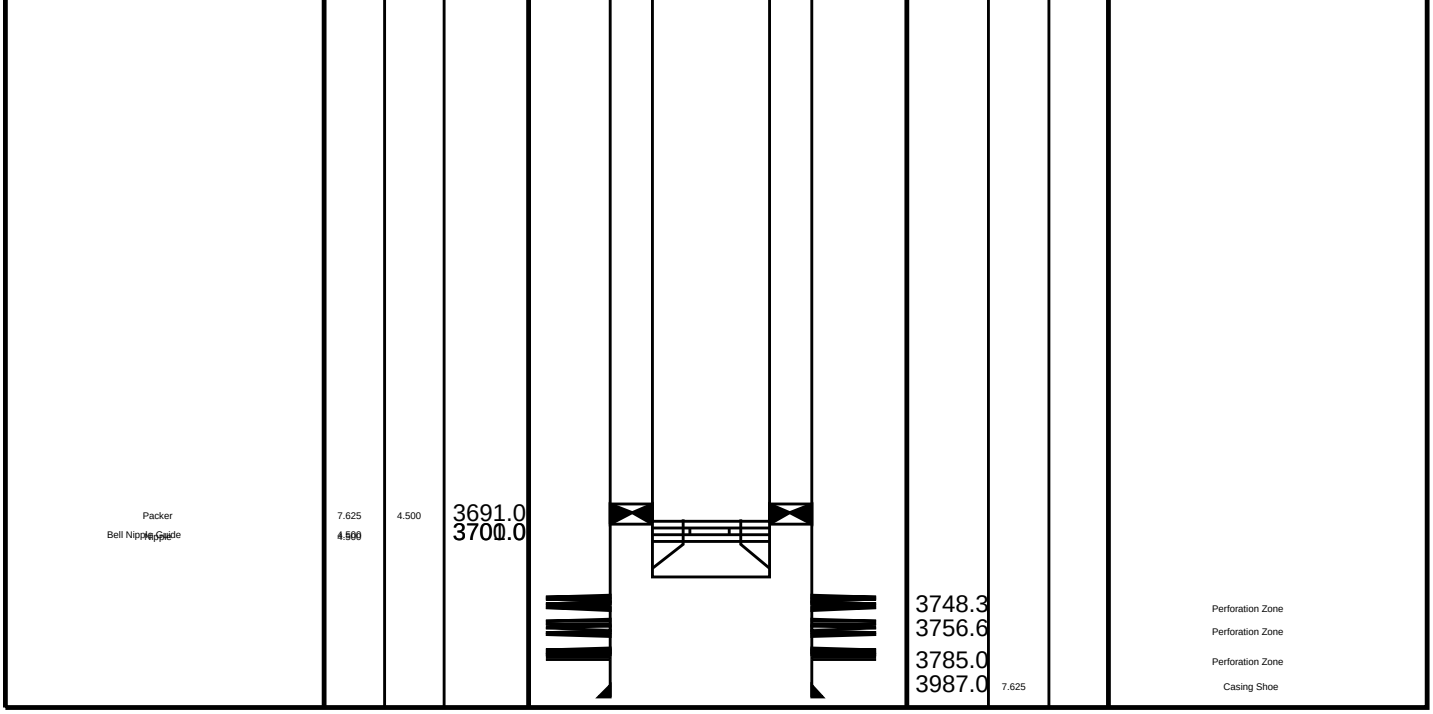
PILS−A 839

PFCS−A 799 — 1.57

Holdup Probes 799
Spinner 3.5 799
Relative Bearing 799
Caliper 799
PFCC−A 799
PFCH−A 799

MAXIMUM STRING DIAMETER 4.50 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String	OD (in)	ID (in)	MD (m)	Well Schematic	MD (m)	OD (in)	ID (in)	Casing String
Tubing Hanger Tubing	7.625 4.500	4.500	15.0 18.7		18.7	10.750	7.625	Casing String Liner Hanger
Shutin Valve	4.500		453.0					
					604.5	10.750		Casing Shoe
Gas Lift Mandrel	4.500		846.0					
Gas Lift Mandrel	4.500		1313.0					



Schlumberger

Job Event Summary

MAXIS Field Log

Schlumberger Job Event Summary

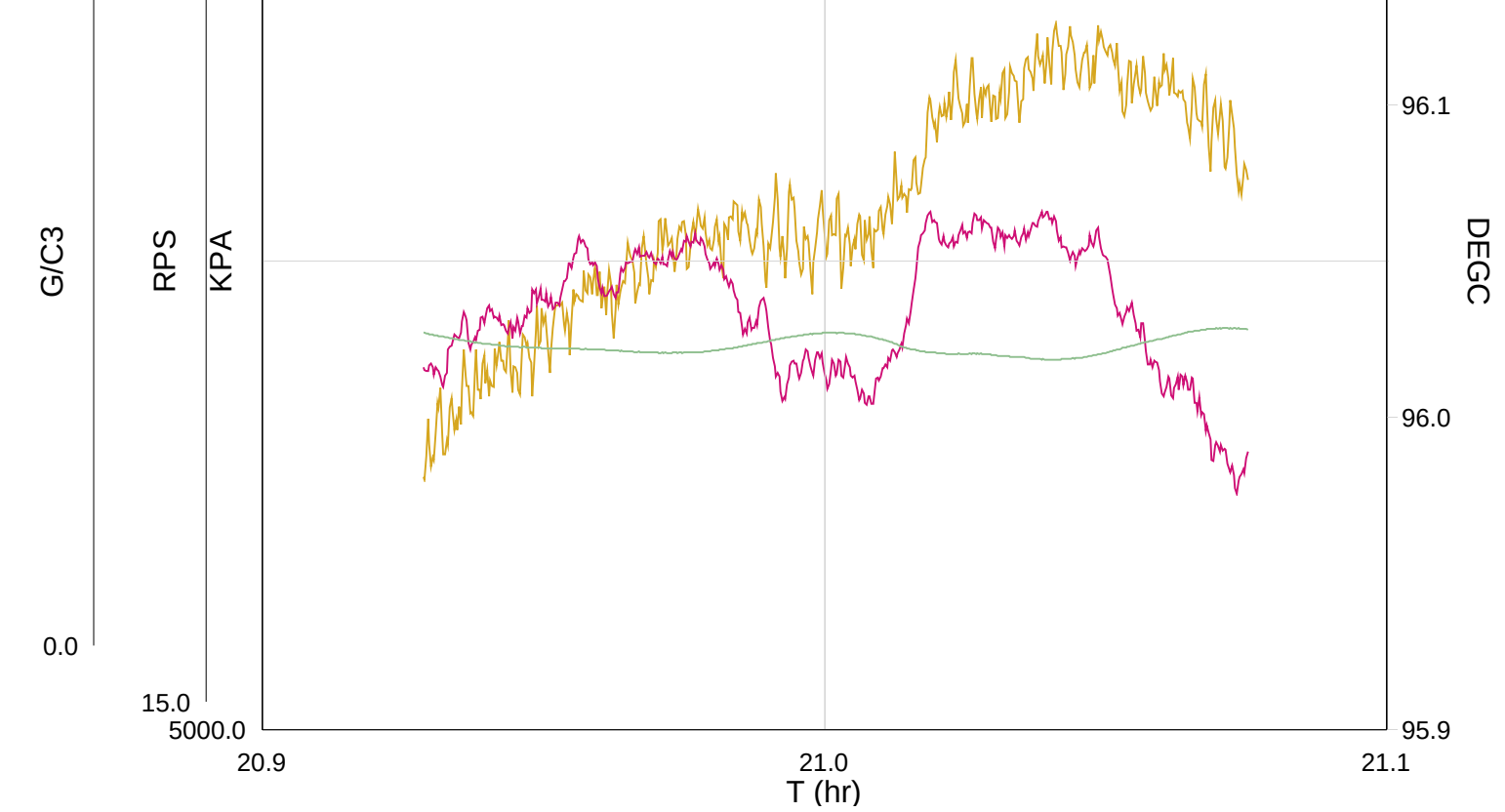
	Time	Elapsed Time	Depth (M)	File
Before Calibration Completed	28−May−2007 13:53			
Simulated Log	28−May−2007 13:54	000:33		FCS_ILS_DEFT_GMS_005LUP
Simulated Log	5−Jun−2007 4:31	000:07		FCS_ILS_DEFT_GMS_010LUP
Station Log	5−Jun−2007 5:03	000:35	8.0 − 5.3	FCS_ILS_DEFT_GMS_011LTP
Simulated Log	5−Jun−2007 6:20	000:09		FCS_ILS_DEFT_GMS_012LUP
Log Pass (down)	5−Jun−2007 6:29	000:09	0.0 − 84.9	FCS_ILS_DEFT_GMS_013LDP
Station Log	5−Jun−2007 6:38	000:07	56.0 − 1.1	FCS_ILS_DEFT_GMS_014LTP
Log Pass (down)	5−Jun−2007 6:49	000:21	122.1 − 1013.5	FCS_ILS_DEFT_GMS_015LDP
Station Log	5−Jun−2007 7:11	000:08	1006.0 − 1.1	FCS_ILS_DEFT_GMS_016LTP
Log Pass (down)	5−Jun−2007 7:20	000:19	1075.5 − 2006.0	FCS_ILS_DEFT_GMS_017LDP
Station Log	5−Jun−2007 7:40	000:07	2006.0 − 1.0	FCS_ILS_DEFT_GMS_018LTP
Log Pass (down)	5−Jun−2007 7:48	000:17	2073.1 − 3005.9	FCS_ILS_DEFT_GMS_019LDP
Station Log	5−Jun−2007 8:05	000:01	3006.0 − 0.0	FCS_ILS_DEFT_GMS_020LTP
Station Log	5−Jun−2007 8:06	000:06	3006.0 − 0.9	FCS_ILS_DEFT_GMS_021LTP
Log Pass (down)	5−Jun−2007 8:16	000:12	3107.7 − 3674.2	FCS_ILS_DEFT_GMS_022LDP
Log Pass (down)	5−Jun−2007 8:30	000:07	3666.1 − 3723.9	FCS_ILS_DEFT_GMS_023LDP
Log Pass (down)	5−Jun−2007 8:41	000:03	3688.2 − 3723.7	FCS_ILS_DEFT_GMS_024LDP
Log Pass (down)	5−Jun−2007 8:59	000:06	3664.5 − 3743.4	FCS_ILS_DEFT_GMS_025LDP
Log Pass (down)	5−Jun−2007 9:08	000:02	3658.2 − 3720.2	FCS_ILS_DEFT_GMS_026LDP
Log Pass (down)	5−Jun−2007 9:11	000:06	3698.2 − 3751.6	FCS_ILS_DEFT_GMS_027LDP

Log Pass (down)	5−Jun−2007	9:11	000:06	3698.3 −	3751.6	FCS_ILS_DEFT_GMS_027LDP
Log Pass (up)	5−Jun−2007	9:19	000:06	3751.2 −	3687.3	FCS_ILS_DEFT_GMS_028LUP
Log Pass (down)	5−Jun−2007	9:25	000:02	3687.5 −	3716.3	FCS_ILS_DEFT_GMS_029LDP
Log Pass (down)	5−Jun−2007	9:30	000:02	3671.3 −	3709.7	FCS_ILS_DEFT_GMS_030LDP
Log Pass (down)	5−Jun−2007	9:44	000:02	3660.8 −	3703.5	FCS_ILS_DEFT_GMS_031LDP
Log Pass (down)	5−Jun−2007	9:48	000:03	3638.9 −	3691.6	FCS_ILS_DEFT_GMS_032LDP
Log Pass (down)	5−Jun−2007	9:53	000:02	3641.0 −	3708.3	FCS_ILS_DEFT_GMS_033LDP
Log Pass (down)	5−Jun−2007	9:56	000:02	3664.5 −	3749.2	FCS_ILS_DEFT_GMS_034LDP
Log Pass (up)	5−Jun−2007	9:59	000:03	3747.5 −	3702.3	FCS_ILS_DEFT_GMS_035LUP
Log Pass (down)	5−Jun−2007	10:02	000:01	3702.3 −	3737.5	FCS_ILS_DEFT_GMS_036LDP
Log Pass (down)	5−Jun−2007	10:05	000:01	3706.1 −	3730.0	FCS_ILS_DEFT_GMS_037LDP
Log Pass (down)	5−Jun−2007	10:07	000:01	3704.5 −	3728.0	FCS_ILS_DEFT_GMS_038LDP
Log Pass (up)	5−Jun−2007	10:08	000:05	3723.0 −	3631.8	FCS_ILS_DEFT_GMS_039LUP
Log Pass (down)	5−Jun−2007	10:13	000:02	3636.4 −	3722.8	FCS_ILS_DEFT_GMS_040LDP
Log Pass (down)	5−Jun−2007	10:20	000:01	3609.4 −	3659.4	FCS_ILS_DEFT_GMS_041LDP
Log Pass (down)	5−Jun−2007	10:23	000:03	3613.3 −	3775.3	FCS_ILS_DEFT_GMS_042LDP
Log Pass (up)	5−Jun−2007	10:27	000:11	3775.1 −	3714.4	FCS_ILS_DEFT_GMS_043LUP
Log Pass (down)	5−Jun−2007	10:43	000:05	3714.4 −	3752.7	FCS_ILS_DEFT_GMS_047LDP
Log Pass (down)	5−Jun−2007	10:50	000:02	3714.6 −	3748.1	FCS_ILS_DEFT_GMS_048LDP
Station Log	5−Jun−2007	11:14	000:09	3757.3 −	1.3	FCS_ILS_DEFT_GMS_049LTP
Station Log	5−Jun−2007	11:23	000:12	3753.0 −	1.7	FCS_ILS_DEFT_GMS_051LTP
Log Pass (up)	5−Jun−2007	11:39	000:03	3767.2 −	3716.4	FCS_ILS_DEFT_GMS_052LUP
Station Log	5−Jun−2007	11:42	000:13	3724.0 −	2.0	FCS_ILS_DEFT_GMS_053LTP
Station Log	5−Jun−2007	12:01	000:10	3757.3 −	1.5	FCS_ILS_DEFT_GMS_054LTP
Log Pass (up)	5−Jun−2007	12:15	000:05	3766.9 −	3710.3	FCS_ILS_DEFT_GMS_055LUP
Station Log	5−Jun−2007	12:33	003:02	3736.0 −	27.6	FCS_ILS_DEFT_GMS_056LTP
Log Pass (down)	5−Jun−2007	15:48	000:07	3708.5 −	3770.7	FCS_ILS_DEFT_GMS_057LDP
Log Pass (up)	5−Jun−2007	15:55	000:10	3771.0 −	3713.2	FCS_ILS_DEFT_GMS_058LUP
Log Pass (down)	5−Jun−2007	16:06	000:03	3713.4 −	3770.7	FCS_ILS_DEFT_GMS_059LDP
Log Pass (up)	5−Jun−2007	16:10	000:05	3772.1 −	3712.8	FCS_ILS_DEFT_GMS_060LUP
Log Pass (up)	5−Jun−2007	16:18	000:02	3771.7 −	3712.0	FCS_ILS_DEFT_GMS_061LUP
Log Pass (down)	5−Jun−2007	16:22	000:02	3712.2 −	3771.6	FCS_ILS_DEFT_GMS_062LDP
Station Log	5−Jun−2007	16:39	000:08	3755.3 −	1.2	FCS_ILS_DEFT_GMS_064LTP
Station Log	5−Jun−2007	16:49	000:04	3747.0 −	0.5	FCS_ILS_DEFT_GMS_066LTP
Log Pass (up)	5−Jun−2007	16:56	000:10	3766.9 −	3714.6	FCS_ILS_DEFT_GMS_068LUP
Log Pass (down)	5−Jun−2007	17:06	000:03	3714.8 −	3773.6	FCS_ILS_DEFT_GMS_069LDP
Log Pass (up)	5−Jun−2007	17:23	000:07	3773.6 −	3703.3	FCS_ILS_DEFT_GMS_070LUP
Log Pass (down)	5−Jun−2007	17:31	000:07	3703.6 −	3780.7	FCS_ILS_DEFT_GMS_071LDP
Log Pass (up)	5−Jun−2007	17:39	000:03	3780.7 −	3711.4	FCS_ILS_DEFT_GMS_072LUP
Station Log	5−Jun−2007	17:45	000:12	3759.0 −	1.8	FCS_ILS_DEFT_GMS_073LTP
Station Log	5−Jun−2007	18:00	000:12	3757.3 −	1.8	FCS_ILS_DEFT_GMS_074LTP
Station Log	5−Jun−2007	18:13	000:13	3753.0 −	2.0	FCS_ILS_DEFT_GMS_075LTP
Log Pass (down)	5−Jun−2007	18:31	000:04	3716.4 −	3768.4	FCS_ILS_DEFT_GMS_076LDP
Log Pass (up)	5−Jun−2007	18:38	000:05	3768.2 −	3716.3	FCS_ILS_DEFT_GMS_077LUP
Log Pass (down)	5−Jun−2007	18:43	000:02	3713.8 −	3750.7	FCS_ILS_DEFT_GMS_078LDP
Log Pass (down)	5−Jun−2007	18:47	000:03	3716.1 −	3771.1	FCS_ILS_DEFT_GMS_079LDP
Log Pass (up)	5−Jun−2007	18:50	000:04	3771.1 −	3716.1	FCS_ILS_DEFT_GMS_080LUP
Log Pass (down)	5−Jun−2007	18:55	000:05	3716.3 −	3740.4	FCS_ILS_DEFT_GMS_081LDP
Log Pass (up)	5−Jun−2007	19:00	001:20	3736.7 −	1260.3	FCS_ILS_DEFT_GMS_082LUP
Log Pass (down)	5−Jun−2007	20:20	000:02	1269.0 −	1330.1	FCS_ILS_DEFT_GMS_083LDP
Log Pass (up)	5−Jun−2007	20:23	002:05	1330.1 −	−0.5	FCS_ILS_DEFT_GMS_084LUP
Station Log	5−Jun−2007	20:43	000:07	854.1 −	1.0	FCS_ILS_DEFT_GMS_086LTP
Station Log	5−Jun−2007	20:55	000:09	851.5 −	1.4	FCS_ILS_DEFT_GMS_087LTP

Schlumberger

Flowing Station
845.7m MDKB 791.7m TVD

MAXIS Field Log

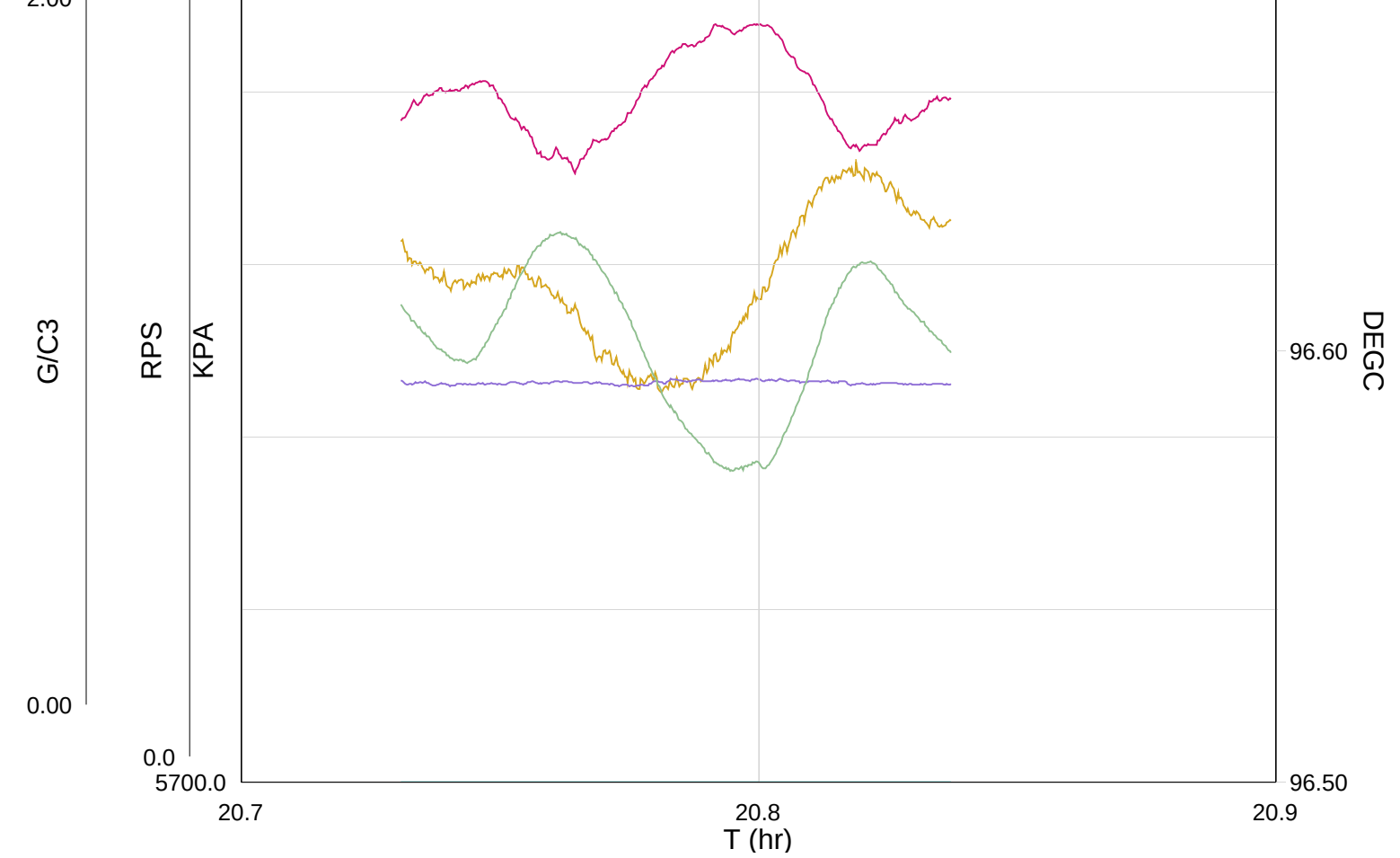


TIME	TOJ	WTEP_SL	WPRE_SL
15420.0000	20.9303	204.7770	847.5601
15480.0000	20.9470	204.8416	843.6657
15540.0000	20.9636	204.8725	842.4906
15600.0000	20.9803	204.9033	842.5985
15660.0000	20.9970	204.9041	847.6797
15720.0000	21.0136	204.9332	843.9163
15780.0000	21.0303	204.9838	841.1561
15840.0000	21.0470	205.0000	840.9165
15900.0000	21.0636	204.9878	847.8386

Schlumberger

Flowing Station
848m MDKB 793.7m TVD

MAXIS Field Log

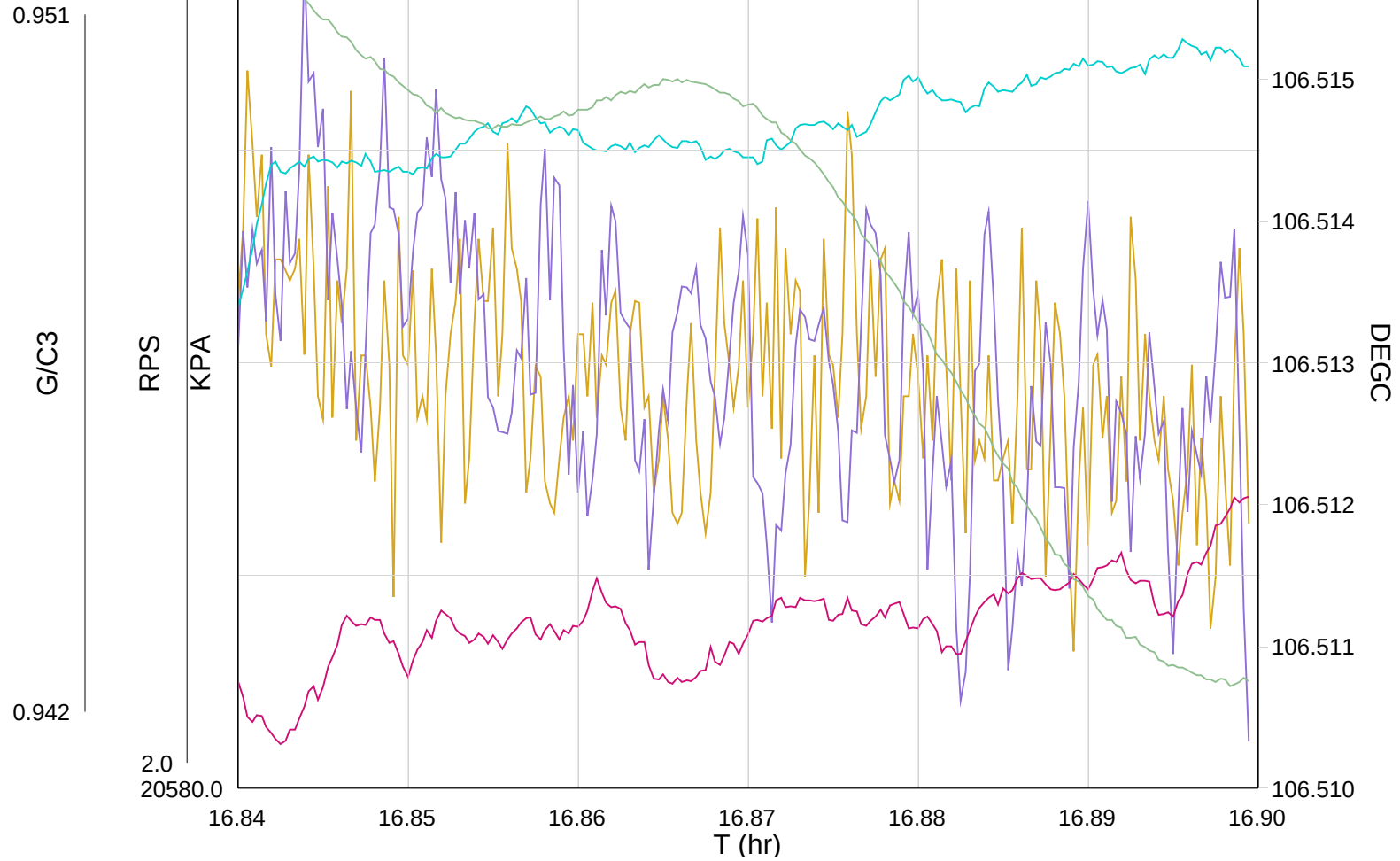


TIME	TOJ	WTEP_SL	WPRE_SL
14700.0000	20.7281	205.8987	866.7522
14760.0000	20.7470	205.9100	863.3409
14820.0000	20.7636	205.8961	872.5640
14880.0000	20.7803	205.8685	860.4000
14940.0000	20.7970	205.8938	853.0219
15000.0000	20.8136	205.9501	866.5550
15060.0000	20.8303	205.9372	865.9956

Schlumberger

Flowing Station
3747m MDKB 2345.5m TVD

MAXIS Field Log

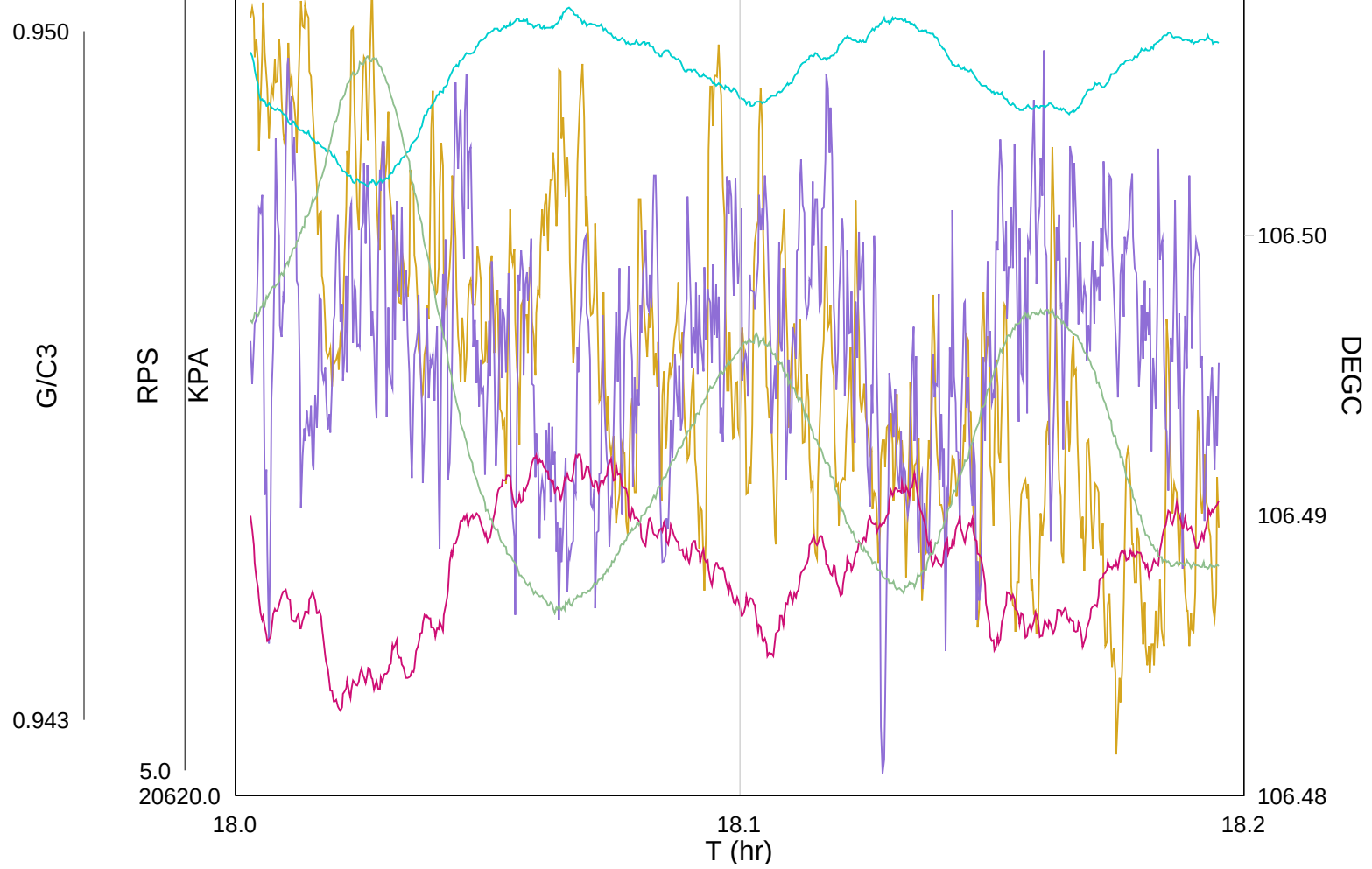


TIME	TOJ	WTEP_SL	WPRE_SL
5640.0000	18.0610	221.6842	2960.4752
5760.0000	18.2469	223.7358	2988.9422
5880.0000	18.2802	223.7339	2989.4320
6000.0000	18.3136	223.7367	2988.8843
6120.0000	18.3469	223.7343	2988.7428
6240.0000	18.3802	223.7346	2989.2608
6360.0000	18.4136	223.7342	2988.7984

Schlumberger

Flowing Station
3751.3m MDKB 2347.6m TVD

MAXIS Field Log

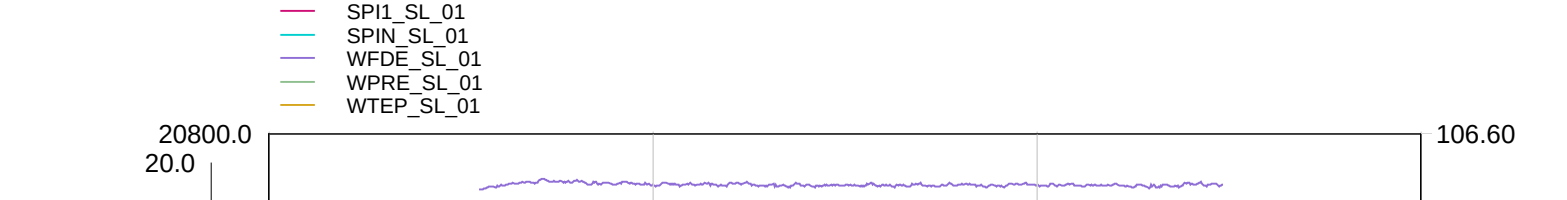


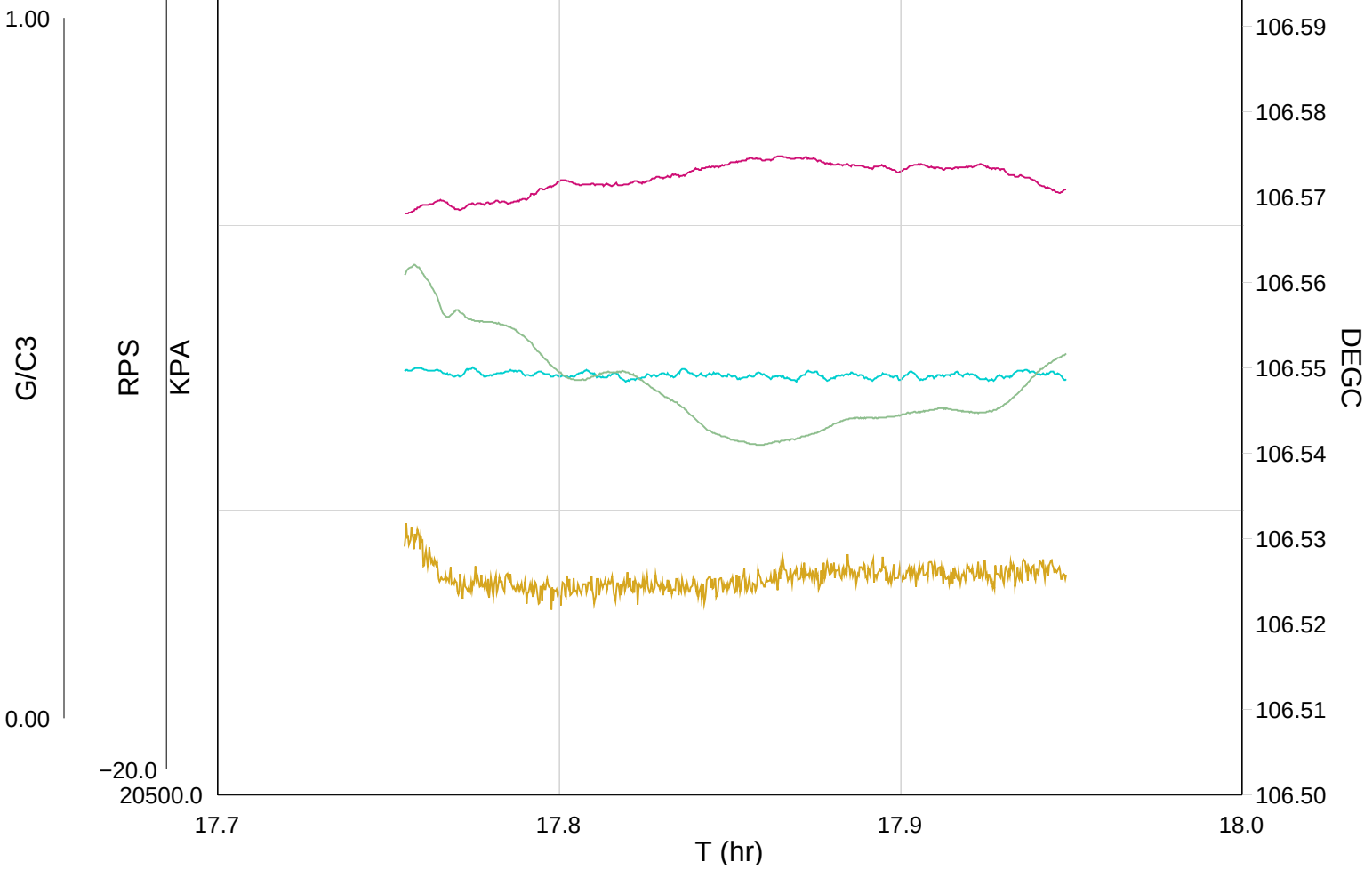
TIME	TOJ	WTEP_SL	WPRE_SL
4920.0000	18.0135	223.7134	2994.6020
5040.0000	18.0468	223.6965	2992.9854
5160.0000	18.0801	223.7024	2992.5589
5280.0000	18.1135	223.6903	2993.2837
5400.0000	18.1468	223.6803	2993.2030
5520.0000	18.1801	223.6750	2992.5198

Schlumberger

Flowing Station
3755m MDKB 2349.3m TVD

MAXIS Field Log





TIME	TOJ	WTEP_SL	WPRE_SL
3960.0000	17.6263	222.1341	2978.0709
4080.0000	17.7800	223.7457	2997.3790
4200.0000	17.8134	223.7445	2994.8192
4320.0000	17.8467	223.7452	2991.6379
4440.0000	17.8800	223.7471	2992.1274
4560.0000	17.9134	223.7455	2992.9640
4680.0000	17.9467	223.7470	2995.5876

Schlumberger

Multipass Up Logs
Flowing

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: F−11a**

PLQL Data Manager Files

Pass # 1
Pass # 2
Pass # 3
Pass # 4

Company: Esso Australia Pty Ltd. Well: F−11a

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_129PUP FN:123 PRODUCER 06−Jun−2007 11:13 3767.2 M 3709.7 M

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Well Pressure [01] (P01LPR)
2900 (PSIA) 3100

Gamma−Ray [01] (P01LGR)
0 (GAPI) 150

Gamma−Ray [02] (P02LGR)
0 (GAPI) 150

Gamma−Ray [03] (P03LGR)
0 (GAPI) 150

Gamma−Ray [04] (P04LGR)
0 (GAPI) 150

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

Diameter [01] (P01DIA)
6 (IN) 8

Squeezed Perfo Zone From SQZPERF_CURVE to D3T

Perfo Zone From PERFO_CURVE to D3T

Squeezed Perfo Zone (SPIF_DM)
30 (−−−− 0

Perfo Zone (PIFL_DM)
20 (−−−− 0

CCL [01] (P01CCL)
−3 (V) 3

Fluid Temperature [01] (P01TMP)
223 (DEGF) 225

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

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

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

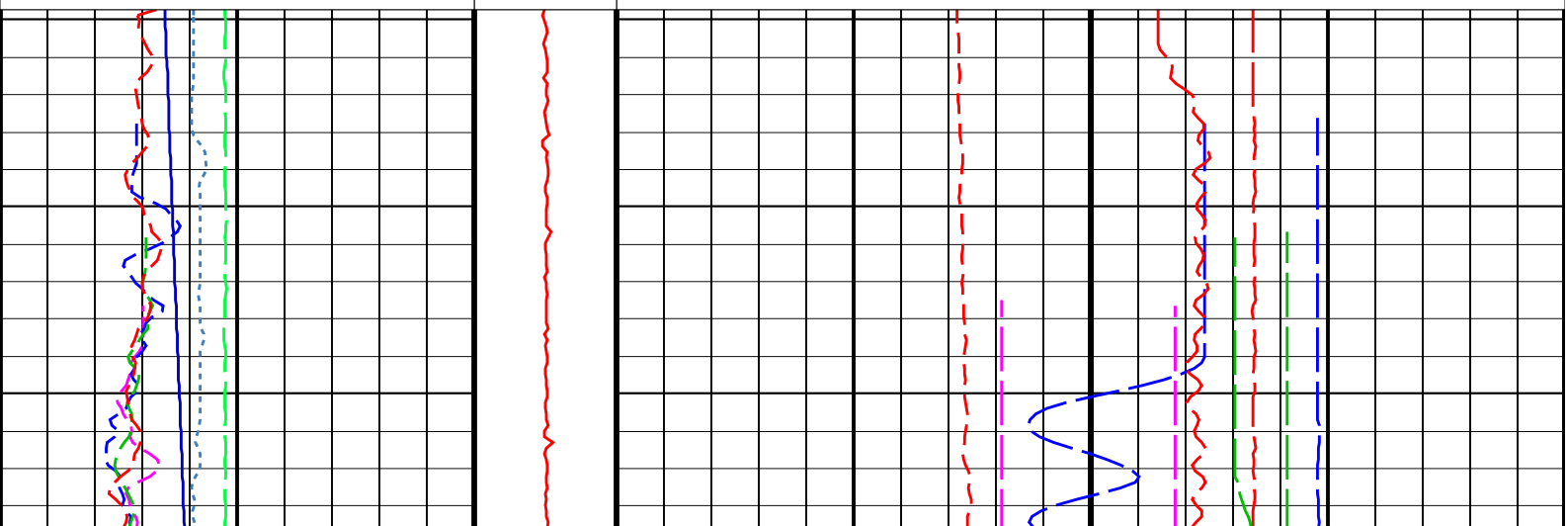
Spinner Rotational Velocity [04] (P04SPIN)
−20 (RPS) 20

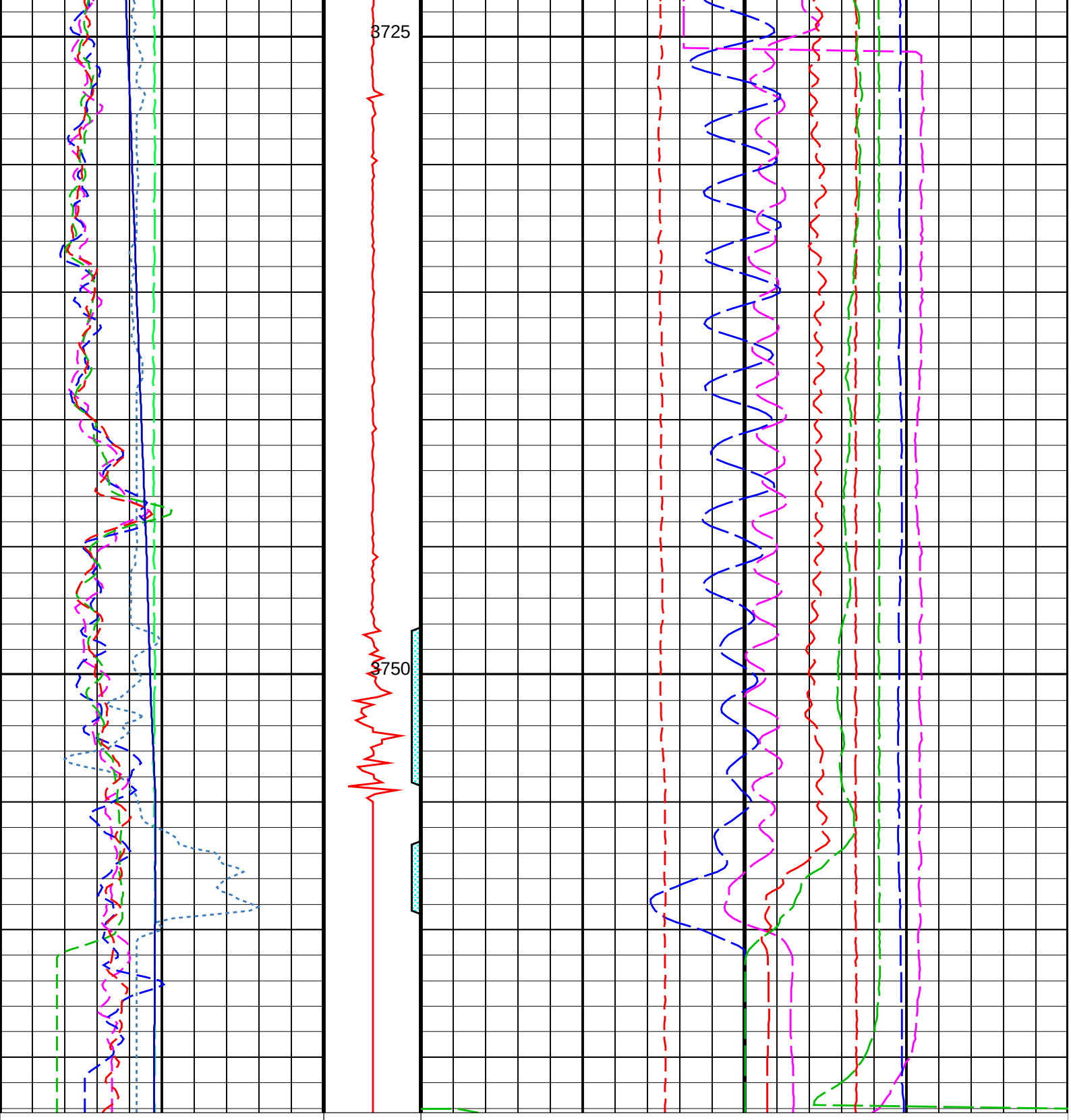
Cable Velocity [01] (P01CVL)
0 (M/MN) −15

Cable Velocity [02] (P02CVL)
0 (M/MN) −7

Cable Velocity [03] (P03CVL)
0 (M/MN) −40

Cable Velocity [04] (P04CVL)
0 (M/MN) −26





Diameter [01] (P01DIA)
6 (IN) 8

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

Gamma−Ray [04] (P04LGR)
0 (GAPI) 150

CCL [01] (P01CCL)
−3 (V) 3

Perfo Zone (PIFL_DM)
20 (−−−− 0

Squeezed Perfo Zone (SPIF_DM)
30 (−−−− 0

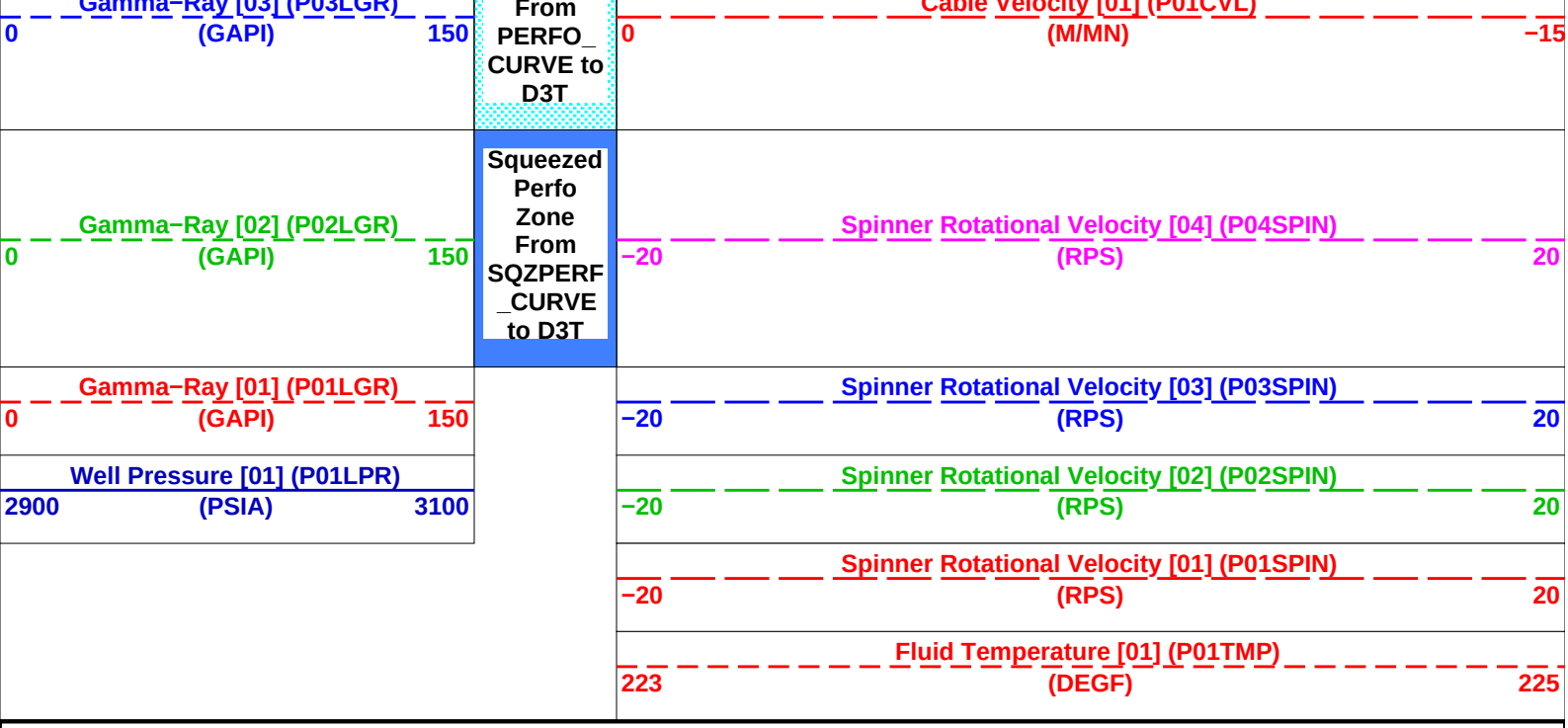
Perfo Zone

Cable Velocity [04] (P04CVL)
0 (M/MN) −26

Cable Velocity [03] (P03CVL)
0 (M/MN) −40

Cable Velocity [02] (P02CVL)
0 (M/MN) −7

Cable Velocity [01] (P01CVL)



Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
CSID	Casing Size I.D.	6.875	IN
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875	IN
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875	IN
	PSPT−A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875	IN
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	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	

Format: PLQLMultipasses **Vertical Scale: 1:200** **Graphics File Created: 06−Jun−2007 11:13**

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Output DLIS Files

DEFAULT **FCS_ILS_DEFT_GMS_129PUP** **FN:123** **PRODUCER** **06−Jun−2007 11:13**

Schlumberger

Flowing Pass
Log Down @ 5900 ft/hr

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_094LUP	PRODUCER	06−Jun−2007 04:03	3773.6 M	3714.8 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_102PUP	FN:99	PRODUCER	06−Jun−2007 06:55	3769.2 M	3702.6 M

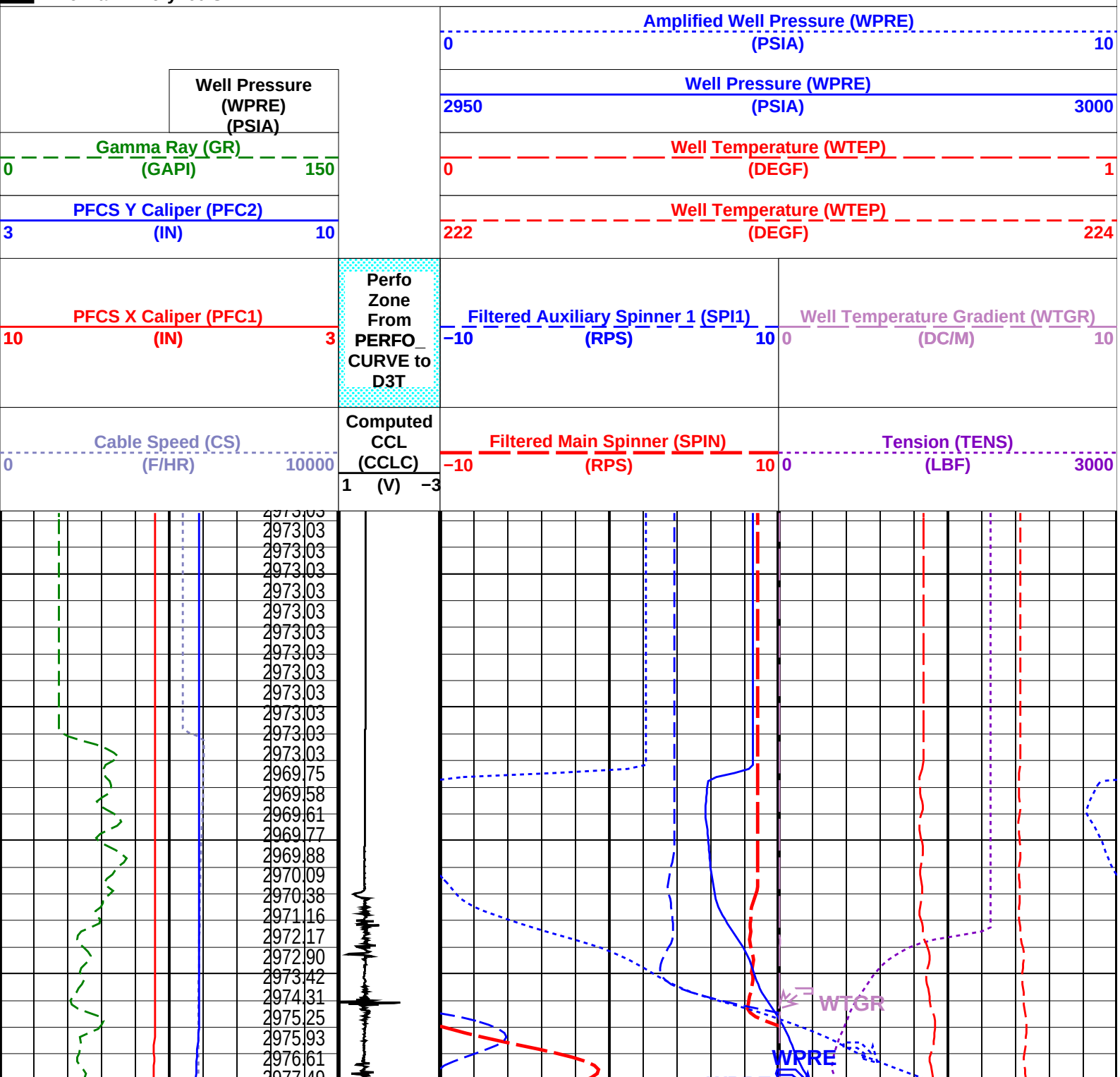
OP System Version: 14C0−302

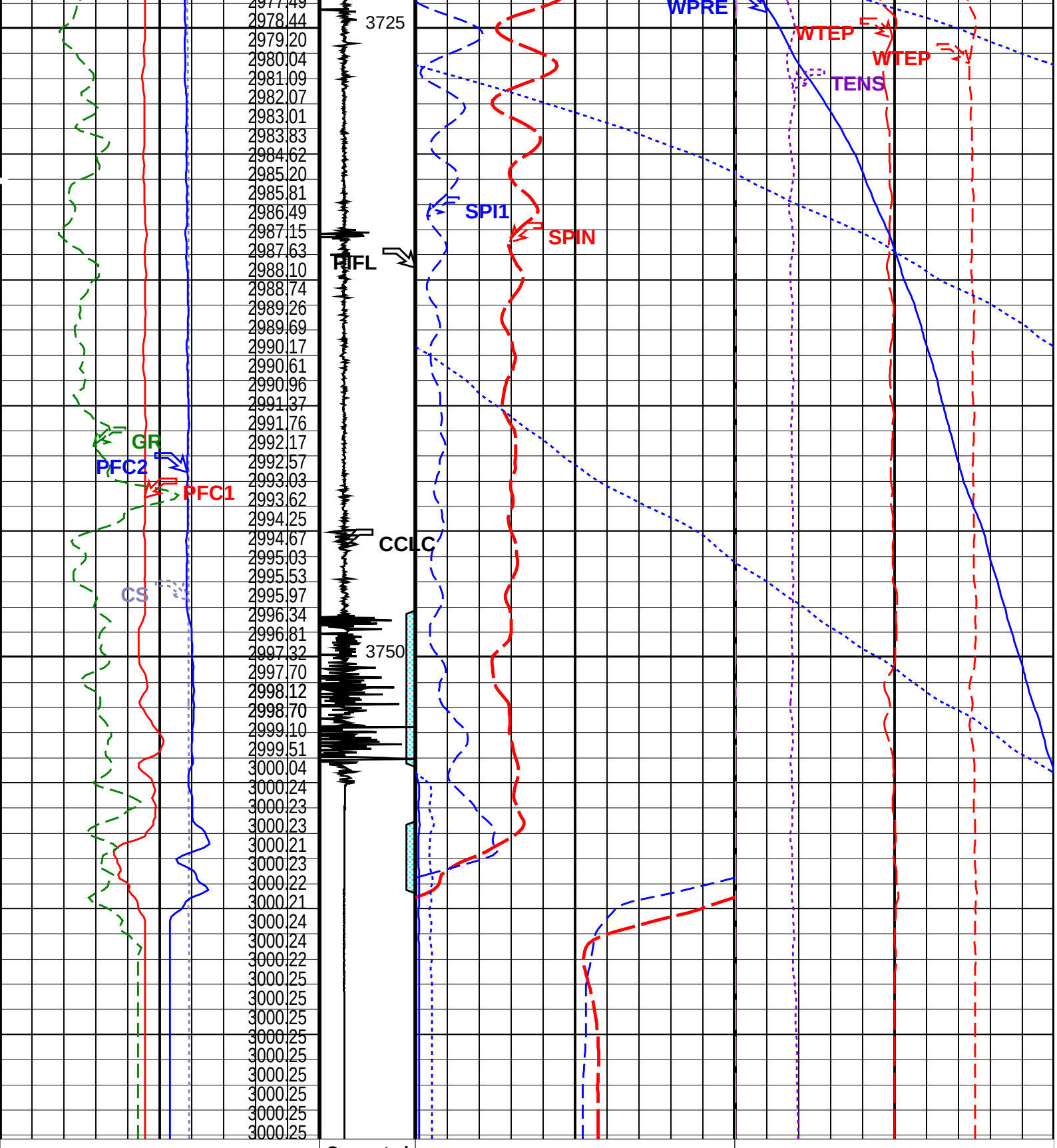
MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

PIP SUMMARY

Time Mark Every 60 S





Cable Speed (CS) 0 (F/HR) 10000	Computed CCL (CCLC) 1 (V) −3	Filtered Main Spinner (SPIN) −10 (RPS) 10
Tension (TENS) 0 (LBF) 3000		
PFCS X Caliper (PFC1) 10 (IN) 3	Perfo Zone From PERFO_ CURVE to D3T	Filtered Auxiliary Spinner 1 (SPI1) −10 (RPS) 10
Well Temperature Gradient (WTGR) 0 (DC/M) 10		
PFCS Y Caliper (PFC2)		Well Temperature (WTEP)

3	(IN)	10
222	(DEGF)	224

Gamma Ray (GR)		
0	(GAPI)	150
Well Temperature (WTEP)		
0	(DEGF)	1
Well Pressure (WPRE)		
2950	(PSIA)	3000
Amplified Well Pressure (WPRE)		
0	(PSIA)	10

Well Pressure (WPRE) (PSIA)

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 06-Jun-2007 06:55

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

Parameters

DLIS Name	Description	Value	
	PFCS-A: PSP Flow and caliper Tool		
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	
	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	
	System and Miscellaneous		
DO	Depth Offset for Playback	-4.4	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_094LUP	PRODUCER	06-Jun-2007 04:03	3773.6 M	3714.8 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_102PUP	FN:99	PRODUCER	06-Jun-2007 06:55		

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_094LUP	PRODUCER	06-Jun-2007 04:03	3773.6 M	3714.8 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_102PUP	FN:99	PRODUCER	06-Jun-2007 06:55	3769.2 M	3702.6 M

OP System Version: 14C0-302

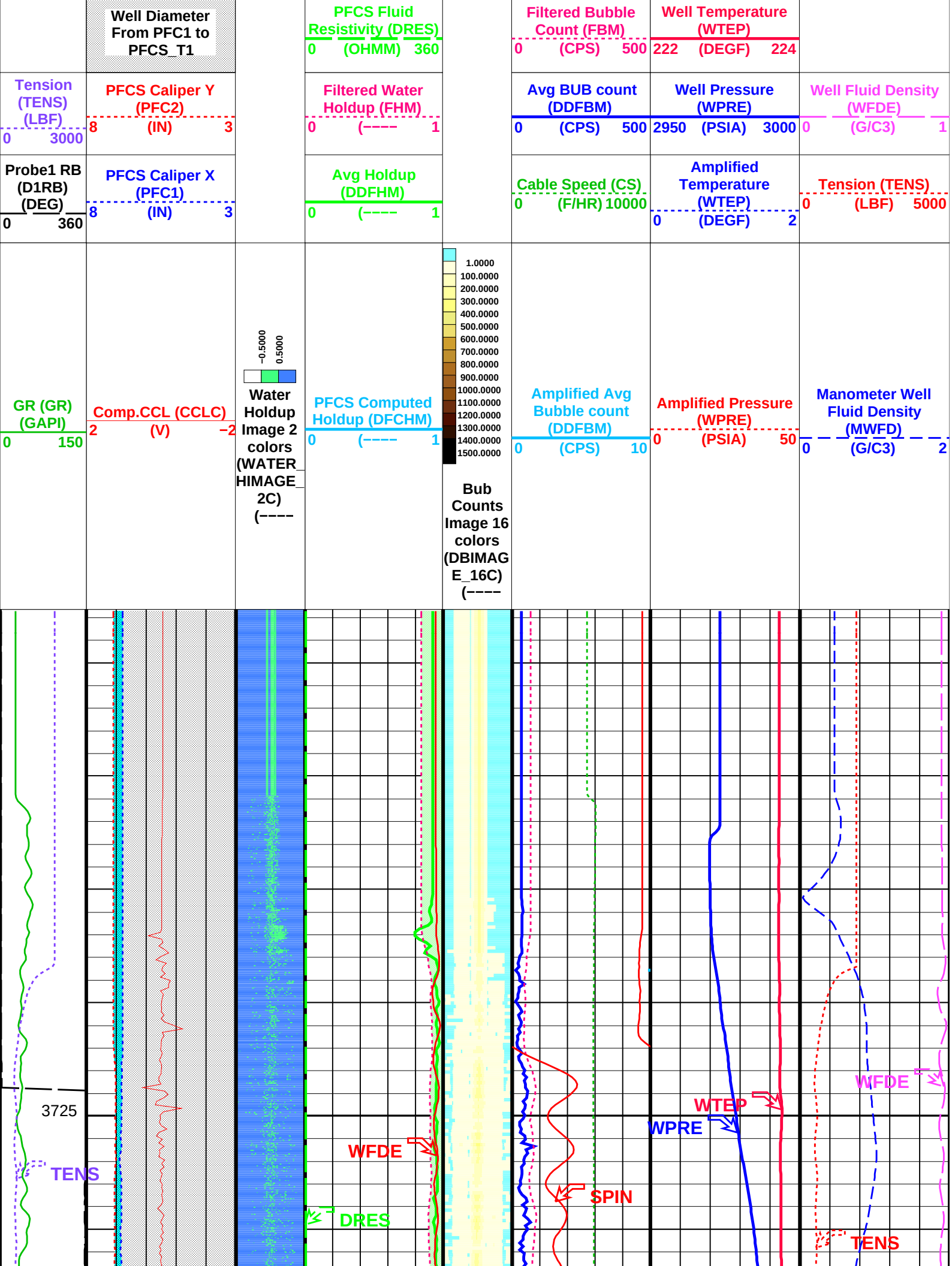
MCM

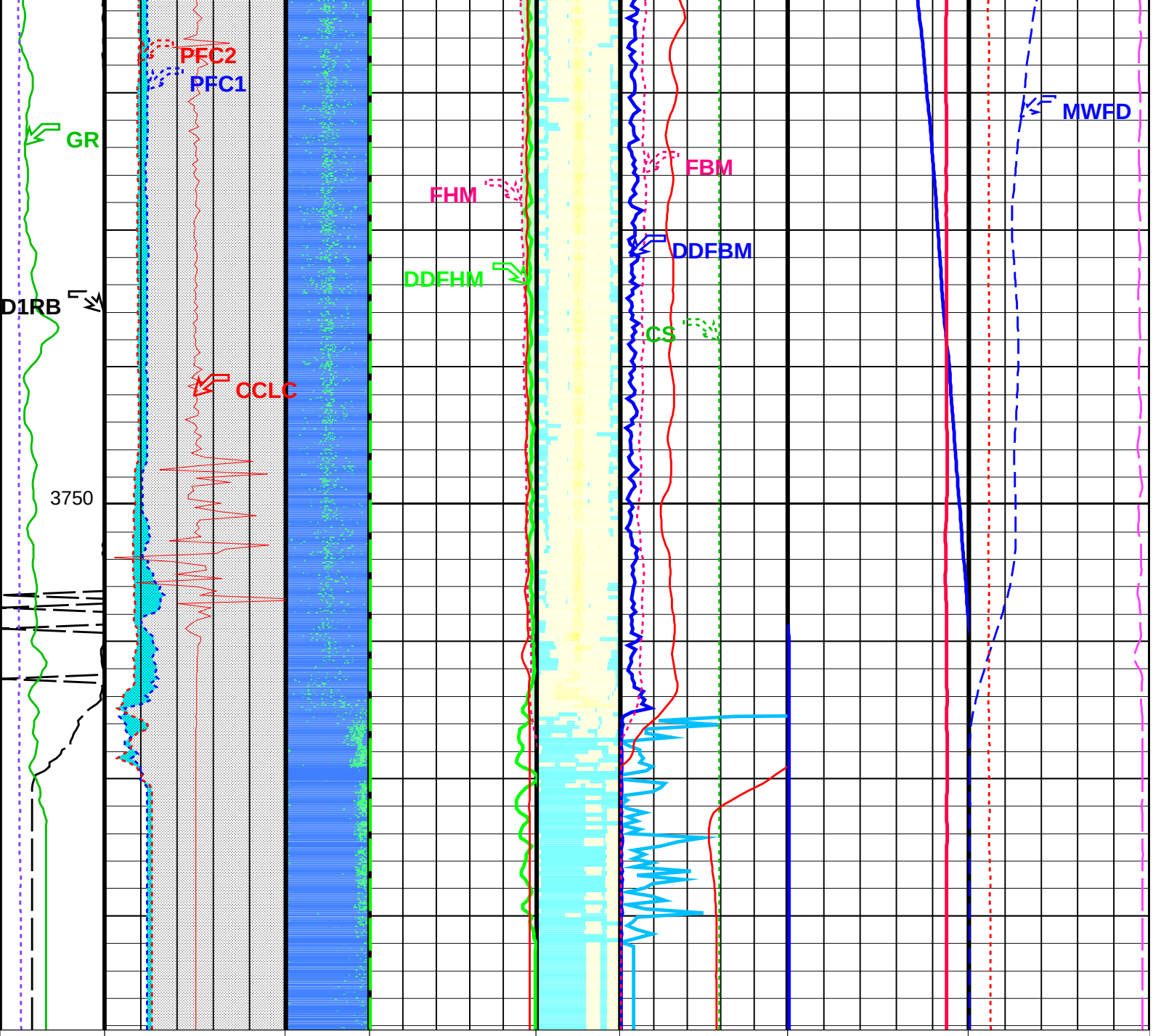
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

Pipe Ovalisation Between PFC1 and PFC2

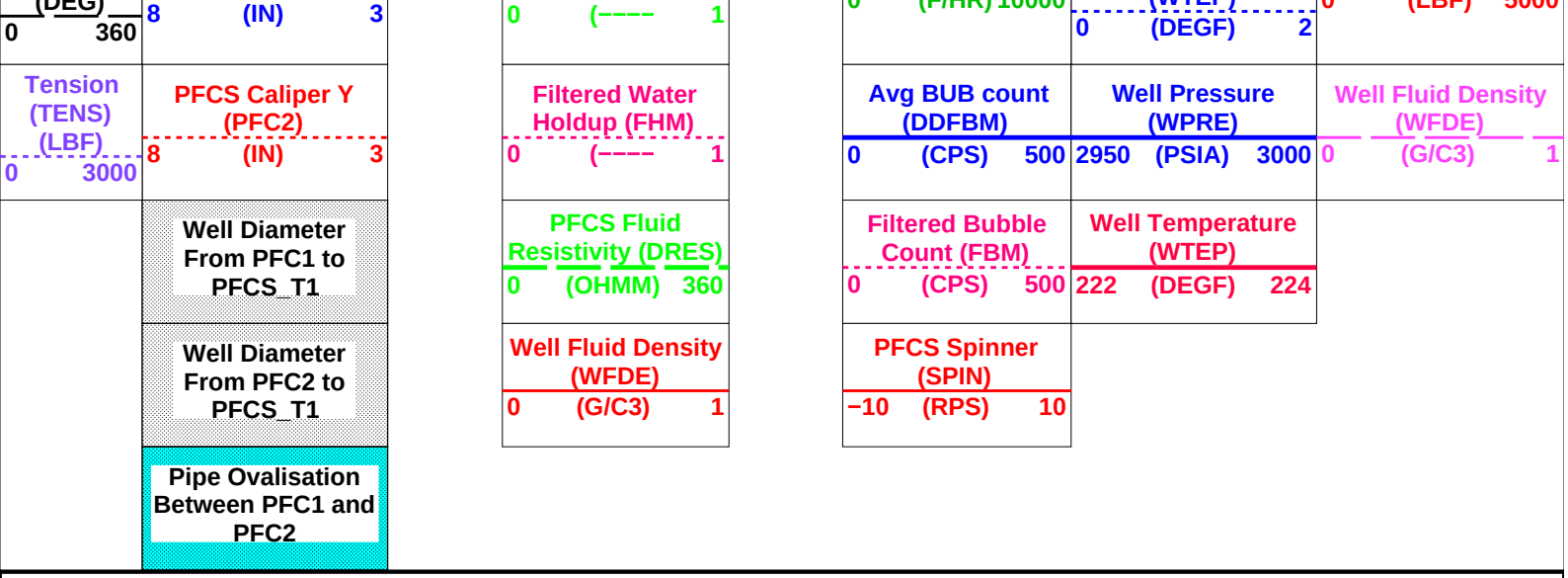
Well Diameter From PFC2 to PFCS_T1

Well Fluid Density (WFDE)		
0	(G/C3)	1
PFCS Spinner (SPIN)		
-10	(RPS)	10


Well Diameter From PFC1 to PFCS_T1
PFCS Fluid Resistivity (DRES)
0 (OHMM) 360
Filtered Bubble Count (FBM)
0 (CPS) 500
Well Temperature (WTEP)
222 (DEGF) 224
Tension (TENS) (LBF)
0 3000
PFCS Caliper Y (PFC2)
8 (IN) 3
Filtered Water Holdup (FHM)
0 (----- 1
Avg BUB count (DDFBM)
0 (CPS) 500
Well Pressure (WPRE)
2950 (PSIA) 3000
Well Fluid Density (WFDE)
0 (G/C3) 1
Probe1 RB (D1RB) (DEG)
0 360
PFCS Caliper X (PFC1)
8 (IN) 3
Avg Holdup (DDFHM)
0 (----- 1
Cable Speed (CS)
0 (F/HR) 10000
Amplified Temperature (WTEP)
0 (DEGF) 2
Tension (TENS)
0 (LBF) 5000
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 (PSIA) 50
Manometer Well Fluid Density (MWFD)
0 (G/C3) 2
3725
TENS
WFDE
DRES
SPIN
WTEP
WPRE
WFDE
TENS



GR (GR) (GAPI)	Comp.CCL (CCLC)	Water Holdup Image 2 colors (WATER_HIMAGE_2C) (-----	PFCS Computed Holdup (DFCHM)	Bub Counts Image 16 colors (DBIMAGE_16C) (----	Amplified Avg Bubble count (DDFBM)	Amplified Pressure (WPRE)	Manometer Well Fluid Density (MWFD)
0 150	2 (V) −2	−0.5000 0.5000	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	0 (CPS) 10	0 (PSIA) 50	0 (G/C3) 2
Probe1 RB (D1RB) (DFC	PFCS Caliper X (PFC1)		Avg Holdup (DDFHM)		Cable Speed (CS) 0 (F/HR) 10000	Amplified Temperature (WTEP)	Tension (TENS) 0 (LBF) 5000



Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 06−Jun−2007 06:55

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	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	A	
GDEV	Average Angular Deviation of Borehole from Normal	35	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	
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	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875	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)	C	
PFGC	PFCS Geometrical coefficient	1200	
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875	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.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	IN
	System and Miscellaneous		
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	−4.4	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_094LUP		PRODUCER	06−Jun−2007 04:03	3773.6 M	3714.8 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_102PUP	FN:99	PRODUCER	06−Jun−2007 06:55		

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_094LUP		PRODUCER	06−Jun−2007 04:03	3773.6 M	3714.8 M

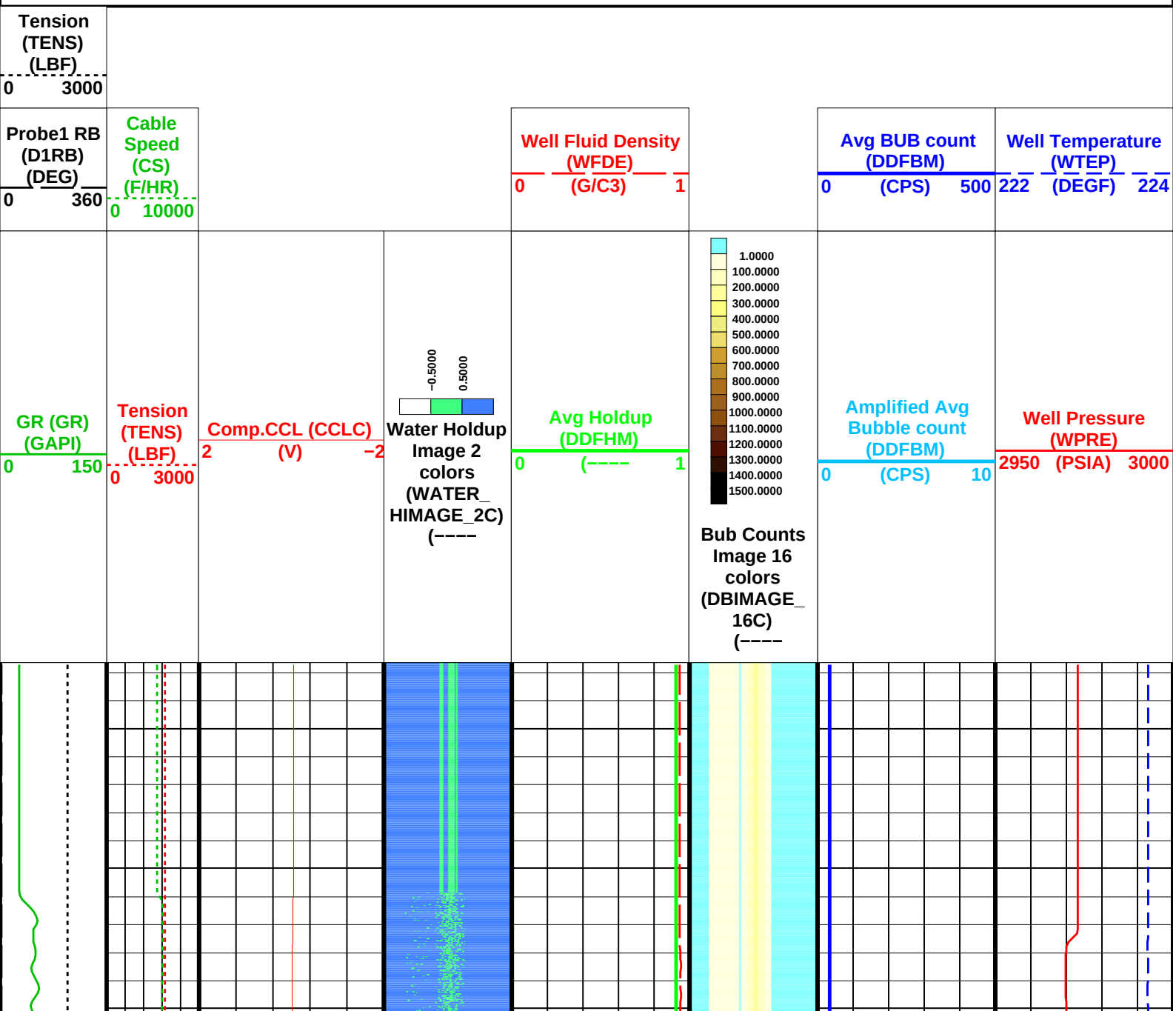
Output DLIS Files

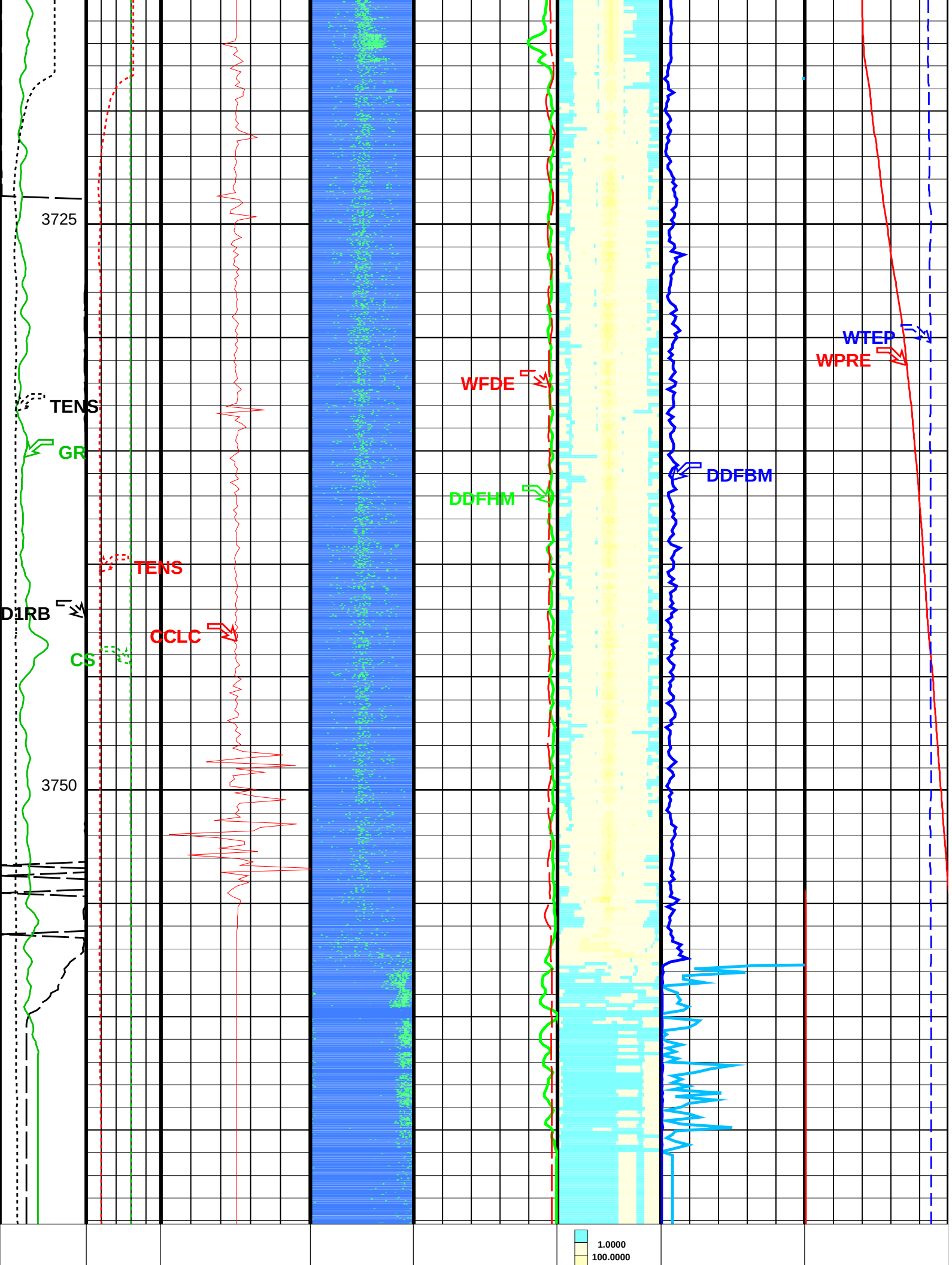
DEFAULT	FCS_ILS_DEFT_GMS_102PUP	FN:99	PRODUCER	06−Jun−2007 06:55	3769.2 M	3702.6 M

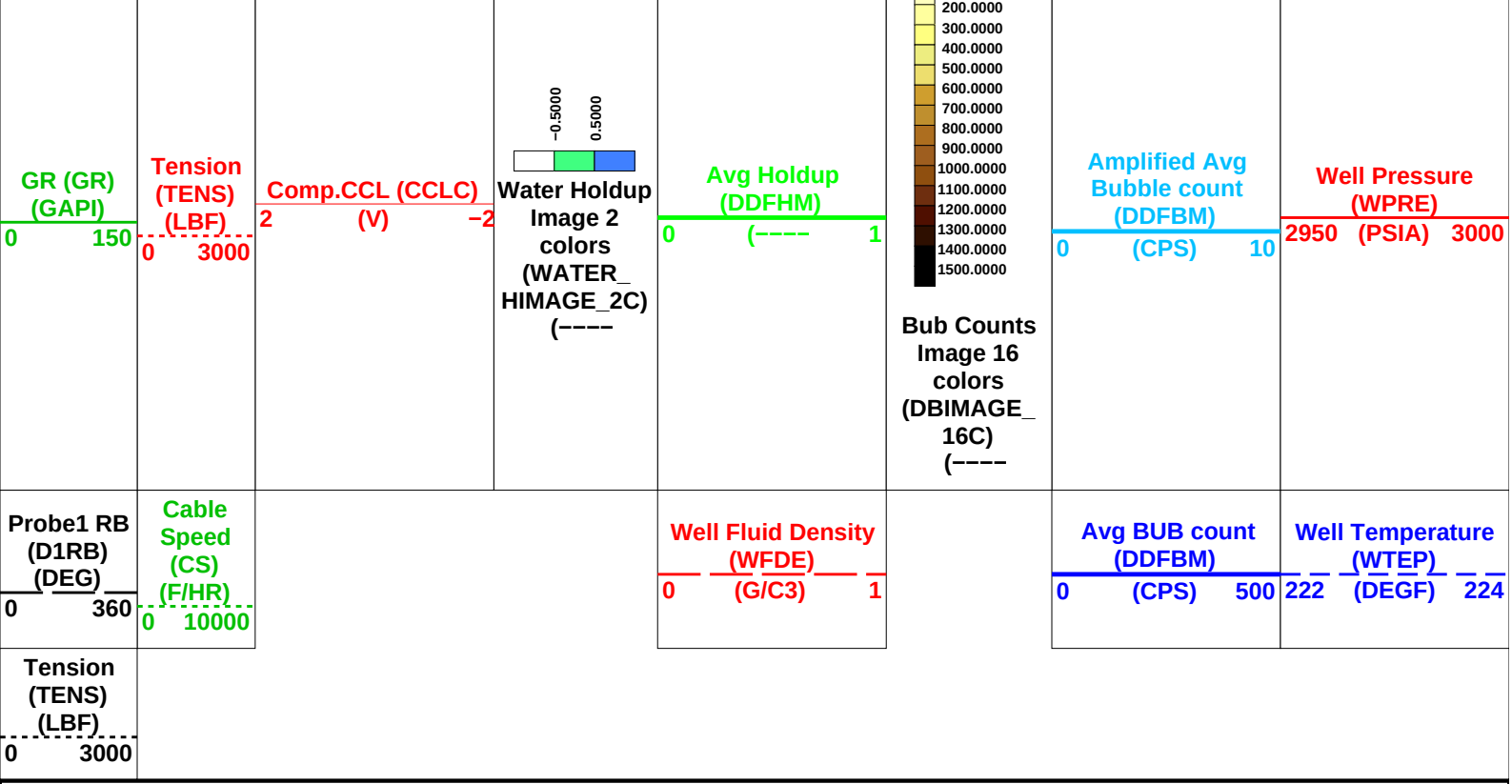
OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		




3725
TENS
GR
TENS
D1RB
CCLC
CS
3750
WFDE
DDFHM
DDFBM
WTEP
WPRE
1.0000
100.0000



Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 06−Jun−2007 06:55

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
CSID	Casing Size I.D.	6.875	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	A	
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875	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.	6.875	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.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	IN
	System and Miscellaneous		
DO	Depth Offset for Playback	−4.4	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_094LUP	PRODUCER	06−Jun−2007 04:03	3773.6 M	3714.8 M

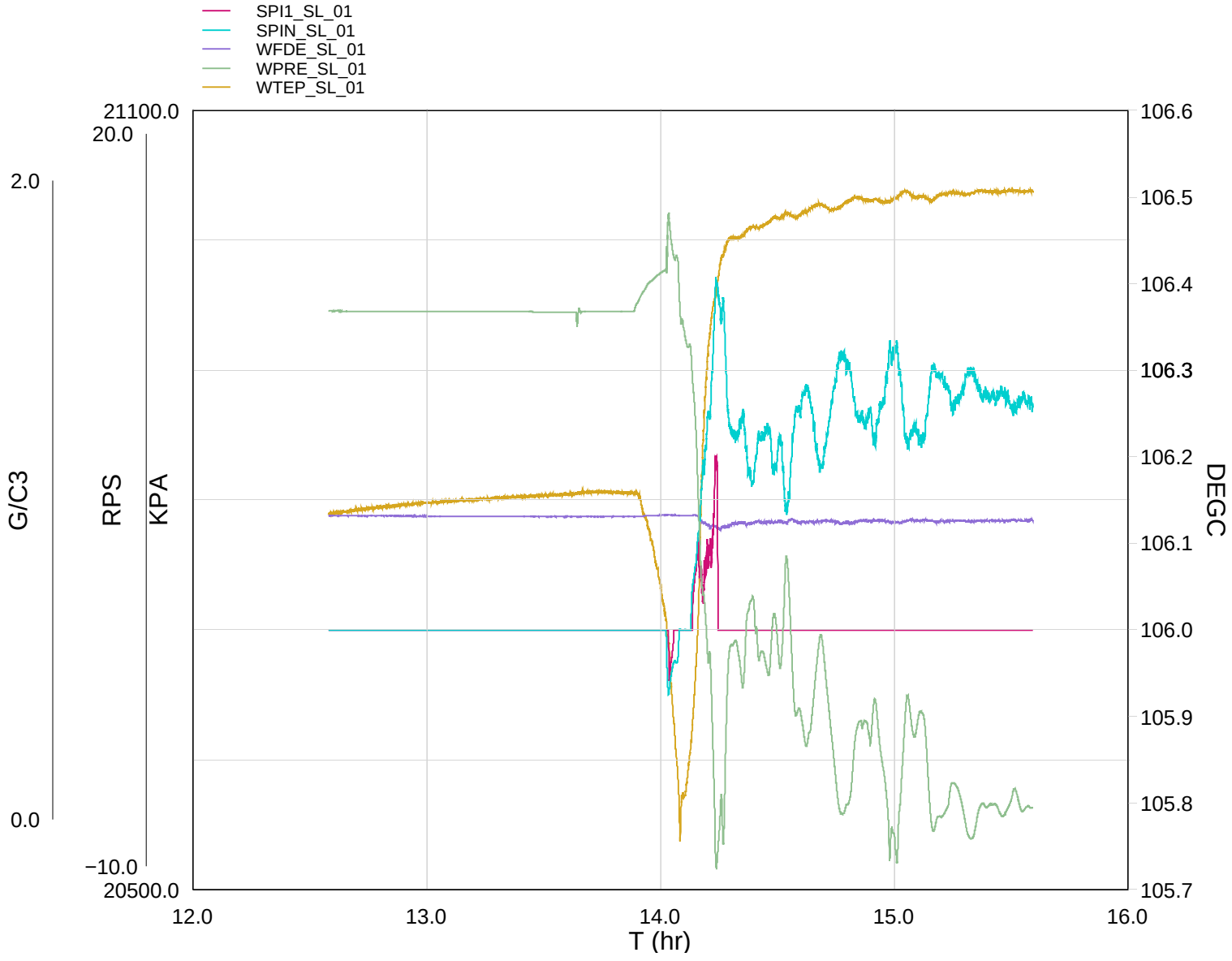
Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_102PUP FN:99 PRODUCER 06−Jun−2007 06:55

Schlumberger

Well Drawdown @ 3730m MDKB

MAXIS Field Log



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13200.0000	12.5946	223.0397	3037.8900	−0.0064	1.0000	

1.0000
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1.0000
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1.0000
13380.0000 12.6446 223.0463 3037.8789 0.0000 1.0000
1.0000
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1.0000
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1.0000
13560.0000 12.6946 223.0487 3037.8742 0.0000 1.0000
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16320.0000 13.4613 223.0769 3037.7949 0.0000 1.0000
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16380.0000 13.4780 223.0802 3037.7929 0.0000 1.0000
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16440.0000 13.4946 223.0805 3037.7846 0.0000 1.0000
1.0000
16500.0000 13.5113 223.0817 3037.7901 0.0000 1.0000
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16560.0000 13.5280 223.0815 3037.7925 0.0000 1.0000
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16620.0000 13.5446 223.0805 3037.7911 0.0000 1.0000
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16680.0000 13.5613 223.0806 3037.7826 0.0000 1.0000
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16740.0000 13.5780 223.0809 3037.7838 0.0000 1.0000
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16800.0000 13.5946 223.0807 3037.7879 0.0000 1.0000
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16860.0000 13.6113 223.0798 3037.7847 0.0000 1.0000
1.0000

1.0000
16920.0000 13.6280 223.0825 3037.7839 0.0000 1.0000
1.0000
16980.0000 13.6446 223.0834 3036.5016 0.0000 1.0000
1.0000
17040.0000 13.6613 223.0856 3037.7111 0.0000 1.0000
1.0000
17100.0000 13.6780 223.0850 3037.8017 0.0000 1.0000
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17160.0000 13.6946 223.0853 3037.8229 0.0000 1.0000
1.0000
17220.0000 13.7113 223.0871 3037.8165 0.0000 1.0000
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17280.0000 13.7280 223.0885 3037.8146 0.0000 1.0000
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17340.0000 13.7446 223.0864 3037.8083 0.0000 1.0000
1.0000
17400.0000 13.7613 223.0883 3037.8110 0.0000 1.0000
1.0000
17460.0000 13.7780 223.0874 3037.8081 0.0000 1.0000
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17700.0000 13.8446 223.0854 3037.8093 0.0000 1.0000
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17820.0000 13.8780 223.0855 3037.8086 0.0000 1.0000
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17880.0000 13.8946 223.0829 3038.5482 0.0000 1.0000
1.0000
17940.0000 13.9113 223.0754 3039.3517 0.0000 1.0000
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18060.0000 13.9446 223.0158 3040.8666 0.0000 1.0000
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18240.0000 13.9946 222.9067 3042.0259 0.0000 1.0000
1.0000
18300.0000 14.0113 222.8547 3042.3295 0.0000 1.0000
1.0000
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1.0000
18420.0000 14.0446 222.6909 3045.9466 −1.7746 1.0000
1.0000
18480.0000 14.0613 222.5806 3043.6609 −1.1836 1.0000
1.0000
18540.0000 14.0780 222.4591 3041.2624 −0.4708 1.0000
1.0000
18600.0000 14.0946 222.4553 3036.8371 0.0000 1.0000
1.0000
18660.0000 14.1113 222.4799 3034.2568 0.0000 1.0000
1.0000
18720.0000 14.1280 222.5487 3034.0073 0.0000 1.0000

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1.0000					
18840.0000	14.1613	222.8230	3017.1040	3.6989	0.9937
1.0000					
18900.0000	14.1780	223.1226	3007.0700	5.7424	0.8987
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18960.0000	14.1946	223.3147	3002.8870	6.9439	0.7230
0.9958					
19020.0000	14.2113	223.4170	2999.7615	8.2945	0.7636
0.9807					
19080.0000	14.2280	223.4804	2985.9189	11.4783	0.7674
0.9701					
19140.0000	14.2446	223.5240	2977.3862	13.0001	0.7940
0.9214					
19200.0000	14.2613	223.5724	2983.6565	11.8791	0.7840
0.8990					
19260.0000	14.2780	223.5955	2988.1686	10.6007	0.8034
0.9388					
19320.0000	14.2946	223.6146	2999.8472	7.8965	0.8270
0.9466					
19380.0000	14.3113	223.6125	3000.6380	7.4589	0.7548
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19440.0000	14.3280	223.6162	3000.5375	7.4786	0.8598
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19500.0000	14.3446	223.6171	2997.2981	7.9778	0.8282
0.9786					
19560.0000	14.3613	223.6251	2999.2046	7.5523	0.8427
0.9920					
19620.0000	14.3780	223.6350	3004.5730	6.0894	0.6442
0.9877					
19680.0000	14.3946	223.6383	3006.0785	5.6575	0.8811
0.9854					
19740.0000	14.4113	223.6396	3002.5786	6.7375	0.8682
0.9928					
19800.0000	14.4280	223.6402	2999.6864	7.3078	0.8468
0.9767					
19860.0000	14.4446	223.6413	2999.2494	7.3880	0.8759
0.9558					
19920.0000	14.4613	223.6461	2997.1933	7.5332	0.8651
0.9783					
19980.0000	14.4780	223.6540	3002.5261	6.2346	0.7915
0.9611					
20040.0000	14.4946	223.6586	3002.9487	6.2002	0.6148
0.9944					
20100.0000	14.5113	223.6561	2997.9723	7.5008	0.8422
0.9729					
20160.0000	14.5280	223.6629	3004.5841	5.6222	0.8523
0.9726					
20220.0000	14.5446	223.6636	3009.2643	4.7629	0.8971
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20280.0000	14.5613	223.6604	2999.7652	6.5866	0.8998
0.9796					
20340.0000	14.5780	223.6563	2992.7285	8.4095	0.8589
0.9832					
20400.0000	14.5946	223.6631	2993.4593	8.5467	0.8465
0.9786					
20460.0000	14.6113	223.6696	2991.0645	9.0145	0.6482
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20520.0000	14.6280	223.6714	2989.5708	9.2803	0.8827
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20580.0000	14.6446	223.6757	2991.7433	8.5817	0.8265
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20640.0000	14.6613	223.6825	2996.5595	7.3151	0.8680
0.9869					
20700.0000	14.6780	223.6882	3000.7788	6.5844	0.8857
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20760.0000	14.6946	223.6833	3000.5087	6.3920	0.8683
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20820.0000	14.7113	223.6784	2995.8822	7.5404	0.8803
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20940.0000	14.7446	223.6733	2987.0916	9.3300	0.8636
0.9939					
21000.0000	14.7613	223.6770	2982.8351	10.2988	0.6424
0.9874					
21060.0000	14.7780	223.6837	2981.7683	10.5181	0.7374
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21120.0000	14.7946	223.6909	2982.7124	9.8630	0.8389
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21180.0000	14.8113	223.6938	2983.6032	9.9482	0.8598
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21240.0000	14.8280	223.6968	2988.8544	8.8923	0.8817
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21300.0000	14.8446	223.6966	2991.6738	8.1561	0.6233
0.9901					
21360.0000	14.8613	223.6949	2991.6201	8.3065	0.8872
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21420.0000	14.8780	223.6936	2992.1094	7.7839	0.7256
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21480.0000	14.8946	223.6935	2990.1926	8.3076	0.8836
0.9660					
21540.0000	14.9113	223.6927	2993.8688	7.2478	0.8655
0.9898					
21600.0000	14.9280	223.6935	2992.3274	7.9519	0.8750
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21660.0000	14.9446	223.6915	2988.1324	8.5817	0.6438
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21720.0000	14.9613	223.6881	2985.2668	9.3232	0.8837
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21780.0000	14.9780	223.6897	2978.6717	10.6565	0.8366
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21840.0000	14.9946	223.6944	2979.6050	10.8704	0.8136
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21900.0000	15.0113	223.6984	2976.2605	11.1110	0.7919
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21960.0000	15.0280	223.7064	2983.9563	9.5690	0.8532
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22020.0000	15.0446	223.7118	2991.6973	7.4604	0.8759
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22080.0000	15.0613	223.7108	2994.5906	7.0385	0.8919
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22140.0000	15.0780	223.6997	2991.0120	7.4920	0.8663
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22200.0000	15.0946	223.6998	2991.1400	7.6472	0.8290
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22260.0000	15.1113	223.7018	2993.1952	7.4012	0.8839
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22320.0000	15.1280	223.7014	2992.3628	7.5115	0.8457
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22380.0000	15.1446	223.6957	2985.9275	8.6563	0.8788

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22440.0000	15.1613	223.6901	2980.2715	10.0833	0.8712
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22500.0000	15.1780	223.6989	2980.7131	10.0098	0.8258
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22560.0000	15.1946	223.7036	2981.4338	9.7345	0.8440
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22620.0000	15.2113	223.7053	2981.6576	9.5399	0.8627
0.9883					
22680.0000	15.2280	223.7078	2982.4796	9.4539	0.8664
0.9905					
22740.0000	15.2446	223.7104	2985.0739	8.4733	0.8730
0.9871					
22800.0000	15.2613	223.7082	2985.0165	8.6563	0.7337
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22860.0000	15.2780	223.7092	2984.0707	8.8254	0.8803
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22920.0000	15.2946	223.7068	2982.1468	9.2904	0.8654
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22980.0000	15.3113	223.7046	2979.8146	9.8211	0.8832
0.9947					
23040.0000	15.3280	223.7066	2978.8971	10.0825	0.8761
0.9846					
23100.0000	15.3446	223.7095	2979.8812	9.6703	0.8169
0.9903					
23160.0000	15.3613	223.7142	2982.1297	9.2570	0.8451
0.9852					
23220.0000	15.3780	223.7130	2982.9210	8.8792	0.8982
0.9882					
23280.0000	15.3946	223.7117	2982.4374	8.9161	0.8815
0.9956					
23340.0000	15.4113	223.7124	2982.8446	8.7840	0.7795
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23400.0000	15.4280	223.7100	2982.8349	9.1342	0.8852
0.9935					
23460.0000	15.4446	223.7117	2982.2834	8.9198	0.8773
0.9914					
23520.0000	15.4613	223.7111	2981.4262	9.1542	0.9019
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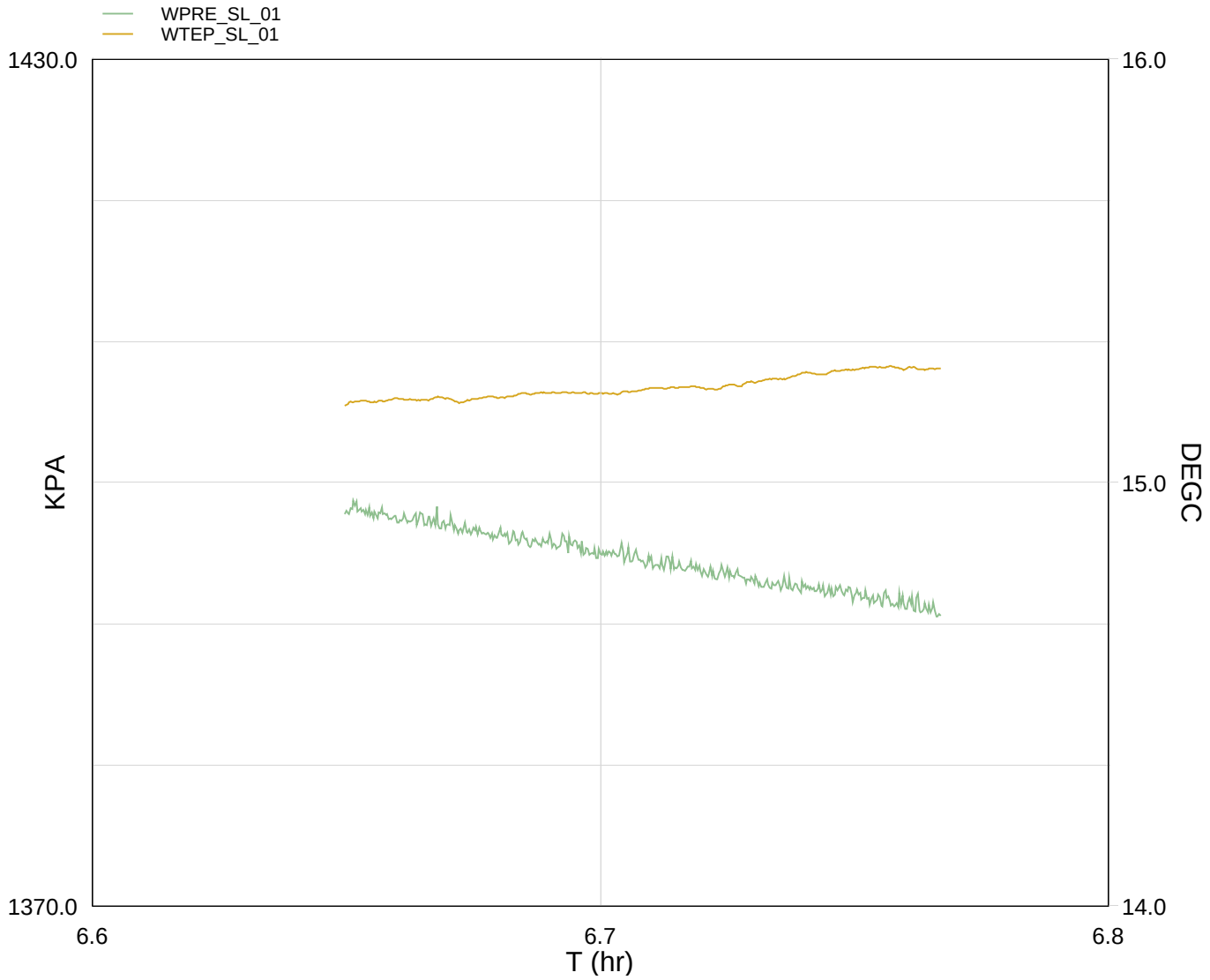
23580.0000	15.4780	223.7113	2981.9586	8.6678	0.8845
0.9911					
23640.0000	15.4946	223.7147	2982.8694	8.7048	0.8554
0.9915					
23700.0000	15.5113	223.7151	2984.4807	8.3854	0.9040
0.9933					
23760.0000	15.5280	223.7147	2983.6275	8.8776	0.9035
0.9903					
23820.0000	15.5446	223.7102	2982.0795	8.9281	0.8961
0.9910					
23880.0000	15.5613	223.7122	2982.3582	8.7322	0.8344
0.9959					
23940.0000	15.5780	223.7137	2982.5380	8.8064	0.8608
0.9917					
24000.0000	15.5946	223.7122	2982.4614	8.9859	0.8755
0.9972					

Schlumberger

Static Station
0m MDKB 0m TVD

MAXIS Field Log

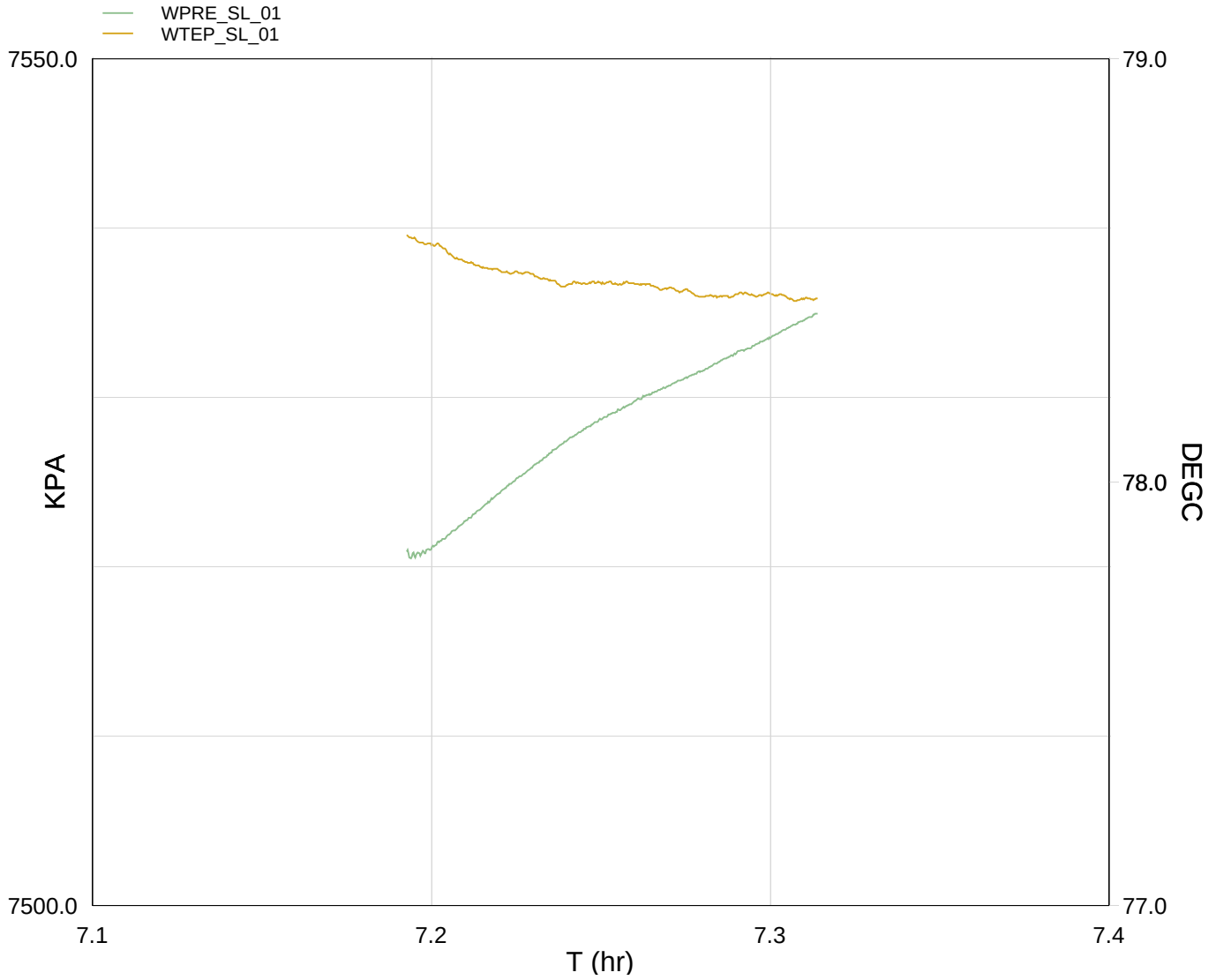


TIME	TOJ	DEGF	PSIA
5820.0000	6.6571	59.3483	202.7652
5880.0000	6.6738	59.3503	202.5427
5940.0000	6.6904	59.3836	202.4247
6000.0000	6.7071	59.3873	202.3426
6060.0000	6.7238	59.4029	202.1832
6120.0000	6.7404	59.4696	201.9860
6180.0000	6.7571	59.4960	201.8122

Schlumberger

Static Station
1000m MDKB 920.9m TVD

MAXIS Field Log

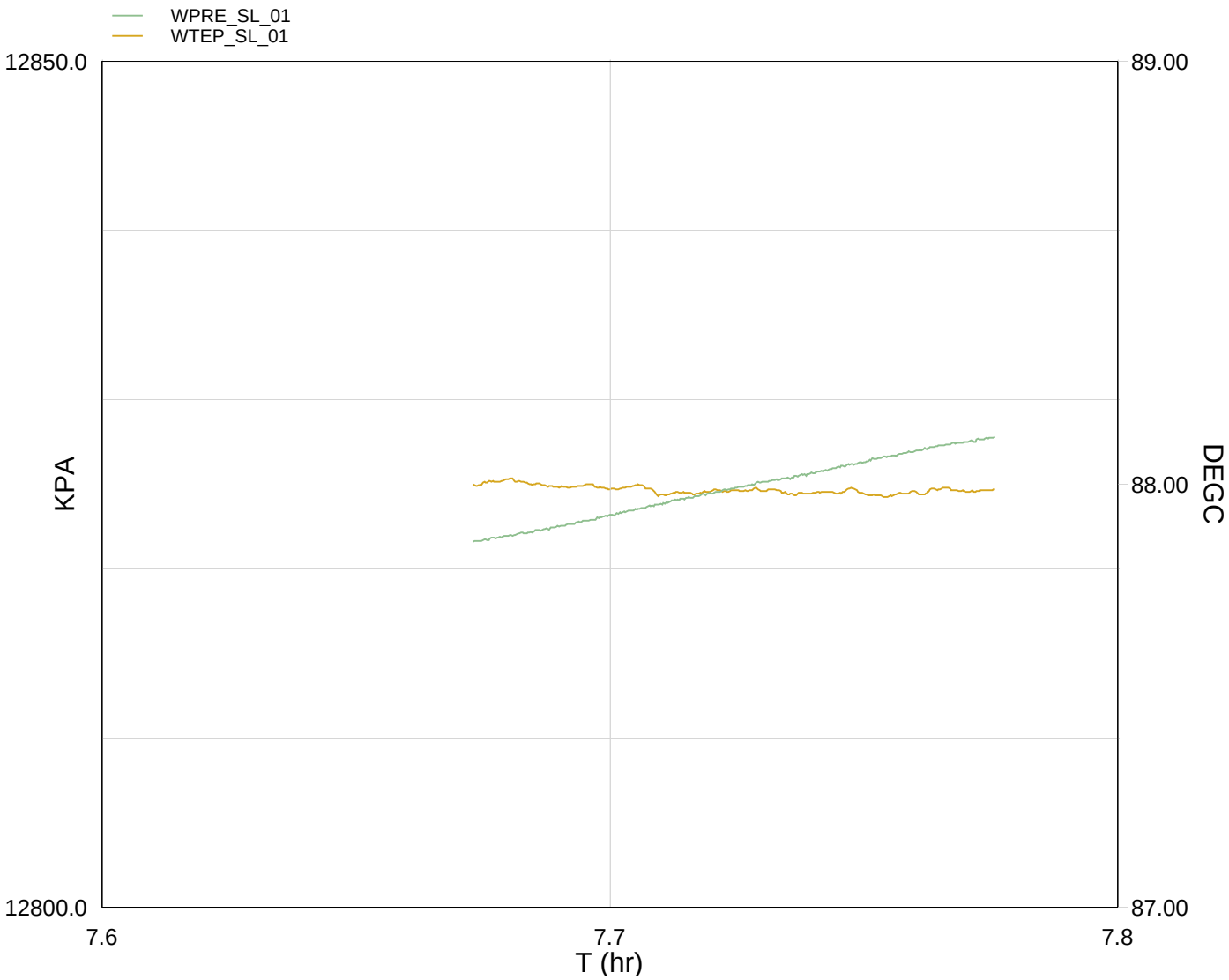


TIME	TOJ	DEGF	PSIA
7740.0000	7.1846	173.2518	1089.5697
7800.0000	7.2070	173.3516	1090.9989
7860.0000	7.2237	173.2854	1091.3977
7920.0000	7.2403	173.2396	1091.7700
7980.0000	7.2570	173.2476	1092.0506
8040.0000	7.2737	173.2098	1092.2813
8100.0000	7.2903	173.2001	1092.5235
8160.0000	7.3070	173.1704	1092.7580

Schlumberger

Static Station
2000m MDKB 1503m TVD

MAXIS Field Log



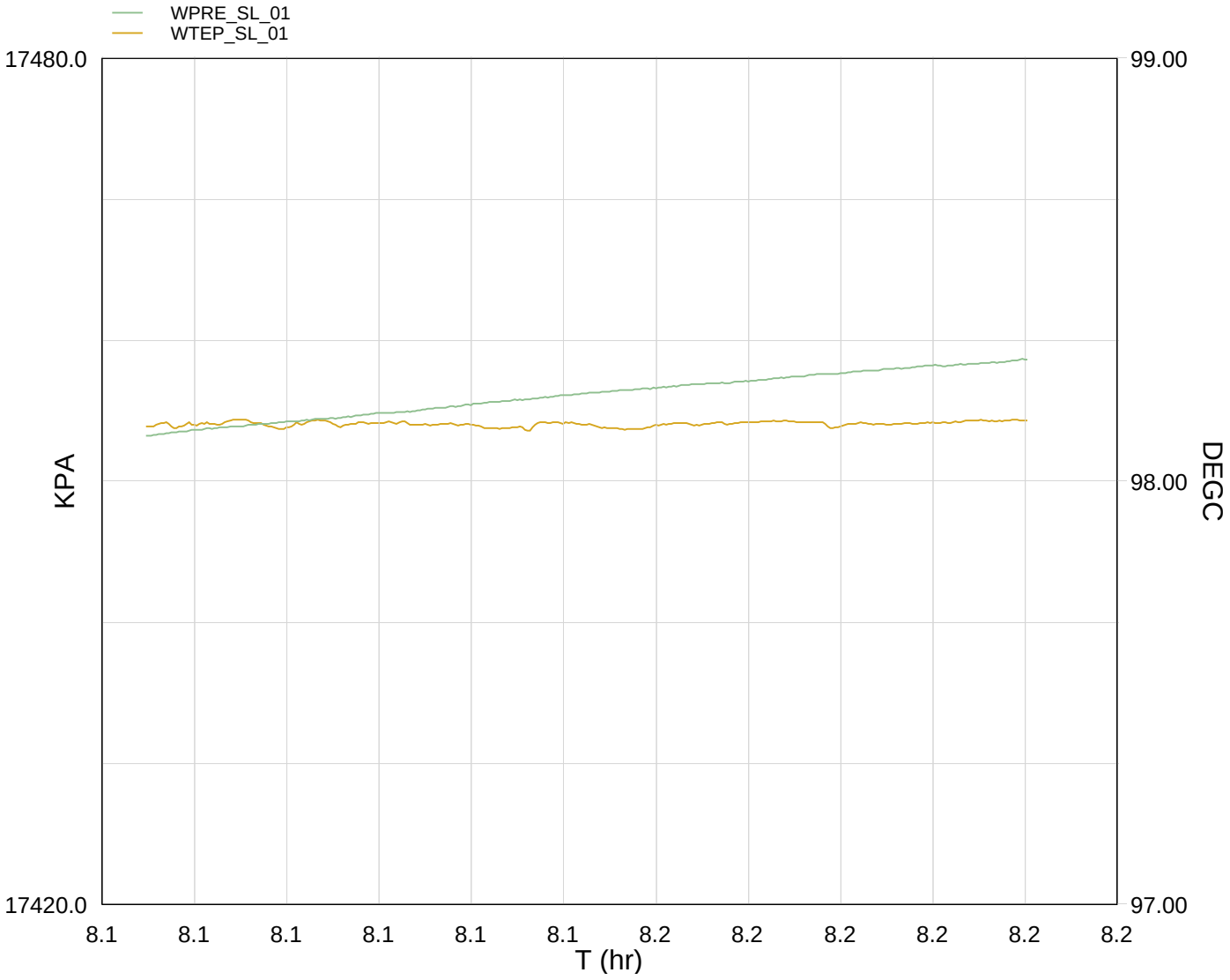
TIME	TOJ	DEGF	PSIA
9480.0000	7.6736	190.3946	1859.6215
9540.0000	7.6903	190.3880	1859.7512
9600.0000	7.7070	190.3837	1859.9087
9660.0000	7.7236	190.3701	1860.0639
9720.0000	7.7403	190.3649	1860.2035

9780.0000	7.7570	190.3632	1860.3725
9840.0000	7.7736	190.3750	1860.4956

Schlumberger

Static Station
3000m MDKB 1979.7m TVD

MAXIS Field Log



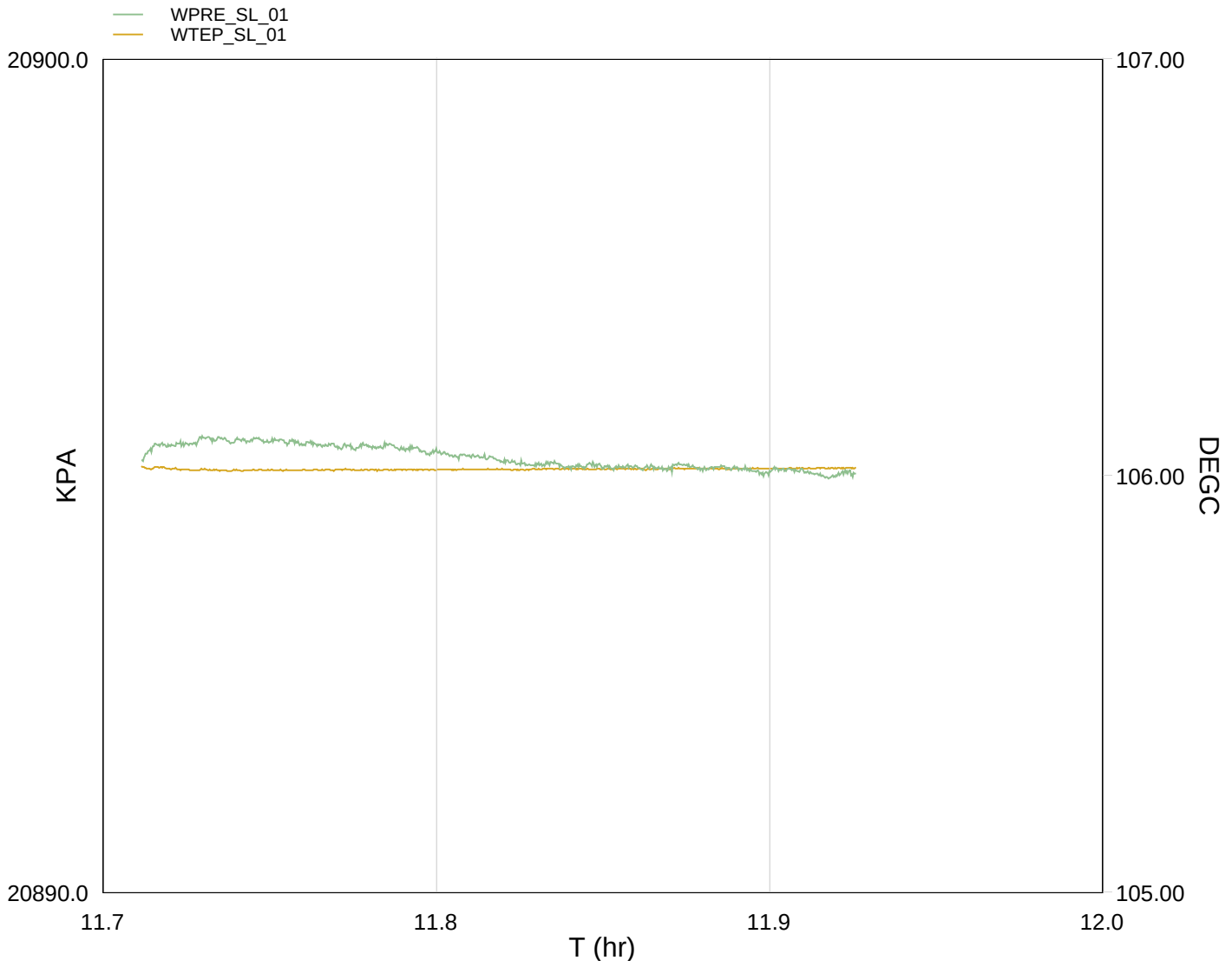
TIME	TOJ	DEGF	PSIA
11040.0000	8.1070	208.6500	2531.4011
11100.0000	8.1237	208.6600	2531.5508
11160.0000	8.1404	208.6393	2531.7059
11220.0000	8.1570	208.6230	2531.8463

11280.0000	8.1737	208.6568	2531.9731
11340.0000	8.1904	208.6472	2532.1023

Schlumberger

Static Station
3718m MDKB 2331.6m TVD

MAXIS Field Log



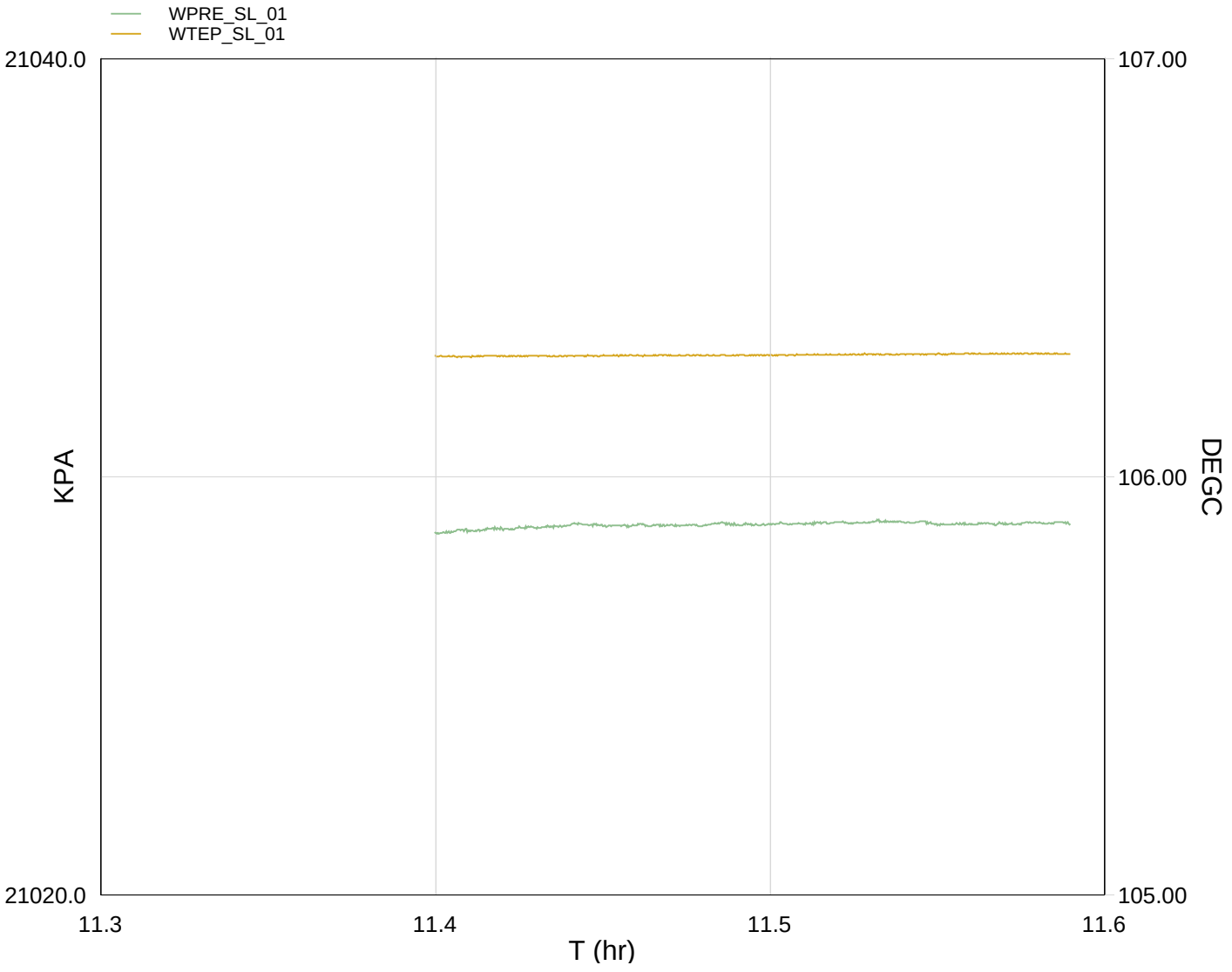
TIME	TOJ	DEGF	PSIA
10020.0000	11.7108	222.8313	3030.4370
10080.0000	11.7279	222.8244	3030.6179
10140.0000	11.7446	222.8248	3030.6249
10200.0000	11.7612	222.8247	3030.6211

10260.0000	11.7779	222.8257	3030.6193
10320.0000	11.7946	222.8275	3030.6108
10380.0000	11.8112	222.8278	3030.5976
10440.0000	11.8279	222.8275	3030.5823
10500.0000	11.8446	222.8299	3030.5770
10560.0000	11.8612	222.8313	3030.5751
10620.0000	11.8779	222.8328	3030.5769
10680.0000	11.8946	222.8322	3030.5713
10740.0000	11.9112	222.8328	3030.5693
10800.0000	11.9279	222.8354	3030.5639

Schlumberger

Static Station
3747m MDKB 2345.5m TVD

MAXIS Field Log

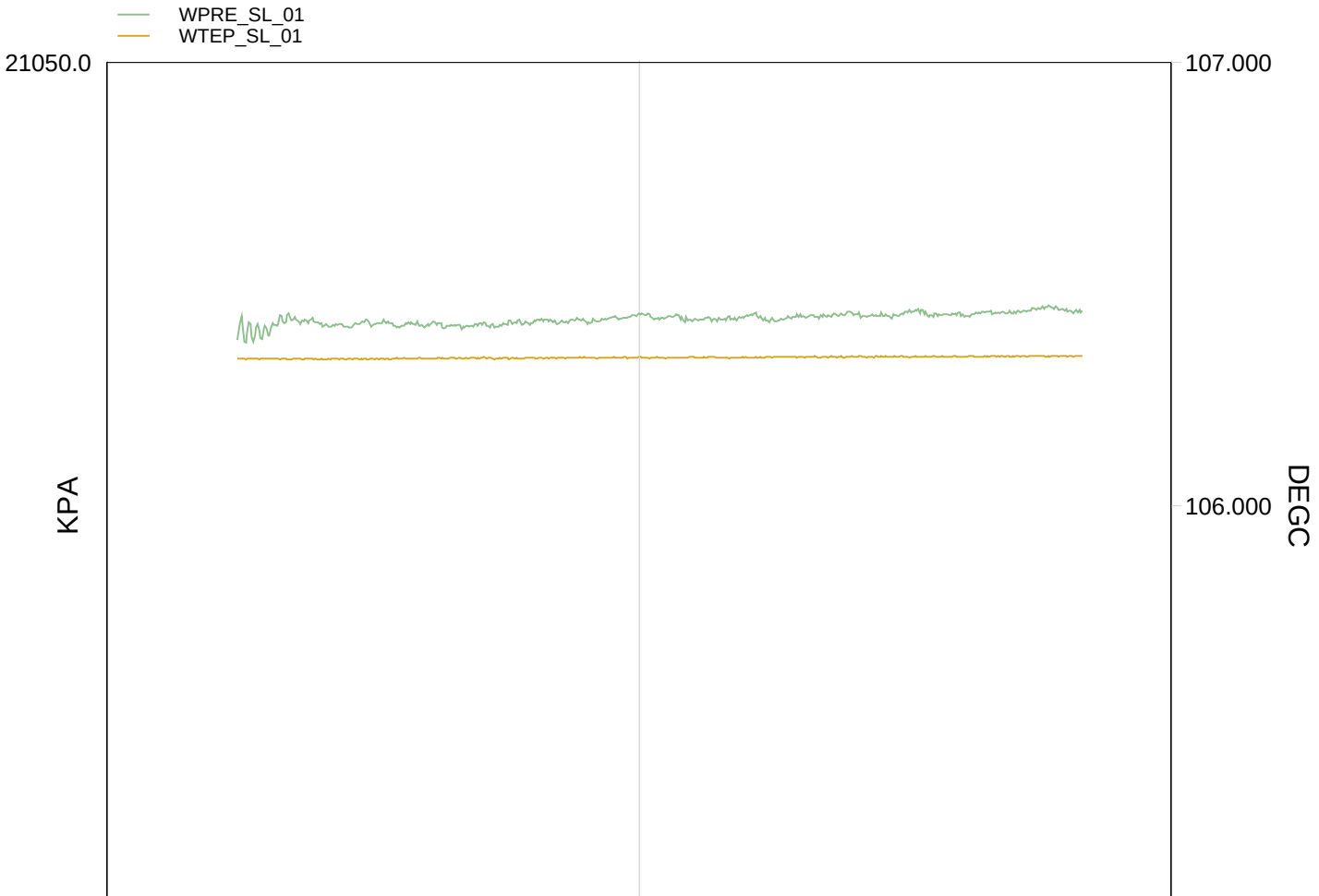


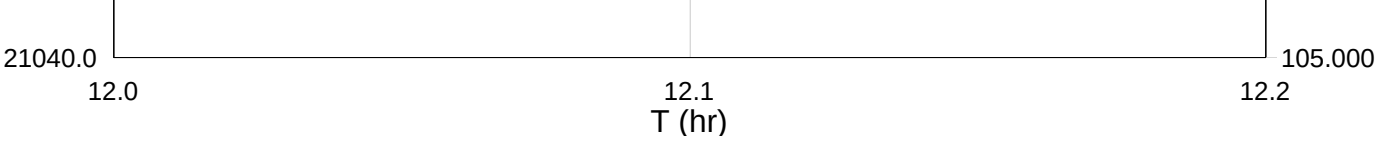
TIME	TOJ	WTEP_SL	WPRE_SL
8880.0000	11.3765	222.8654	3043.7284
8940.0000	11.4113	223.3195	3049.9553
9000.0000	11.4280	223.3228	3049.9694
9060.0000	11.4447	223.3217	3049.9774
9120.0000	11.4613	223.3215	3049.9787
9180.0000	11.4780	223.3239	3049.9771
9240.0000	11.4947	223.3248	3049.9768
9300.0000	11.5113	223.3258	3049.9801
9360.0000	11.5280	223.3273	3049.9852
9420.0000	11.5447	223.3280	3049.9871
9480.0000	11.5613	223.3309	3049.9778
9540.0000	11.5780	223.3285	3049.9839

Schlumberger

Static Station
3751.3m MDKB 2347.6m TVD

MAXIS Field Log





TIME	TOJ	DEGF	PSIA
11160.0000	12.0280	223.3971	3052.6069
11220.0000	12.0447	223.3955	3052.6115
11280.0000	12.0613	223.3970	3052.6194
11340.0000	12.0780	223.3988	3052.6145
11400.0000	12.0947	223.4007	3052.6255
11460.0000	12.1113	223.4013	3052.6224
11520.0000	12.1280	223.4038	3052.6273
11580.0000	12.1447	223.4072	3052.6289
11640.0000	12.1613	223.4053	3052.6282
11700.0000	12.1780	223.4076	3052.6397

Schlumberger

Multipass Up Logs
Shut−In

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: F−11a**

PLQL Data Manager Files

Pass # 1
Pass # 2
Pass # 3

Company: Esso Australia Pty Ltd. **Well: F−11a**

Output DLIS Files

DEFAULT **FCS_ILS_DEFT_GMS_120PUP** **FN:114** **PRODUCER** **06−Jun−2007 09:33** **3767.2 M** **3701.2 M**

OP System Version: 14C0−302

MCM

PFCS−A	**14C0−302**	**PILS−A**	**14C0−302**
DEFT−C2	**14C0−302**	**PGMC−A/B**	**14C0−302**
PSPT−A/B	**14C0−302**		

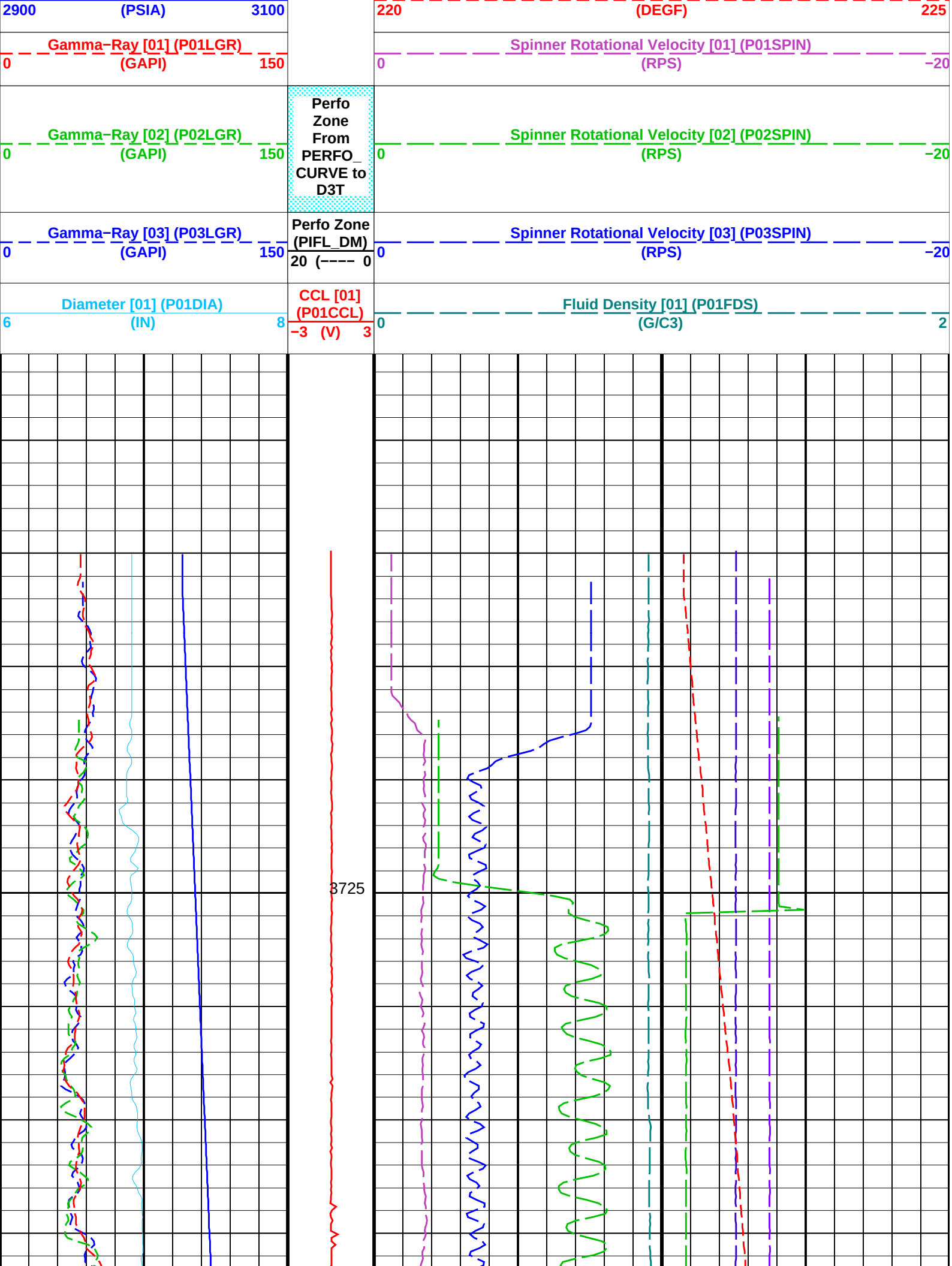
Cable Velocity [01] (P01CVL)
−10 **(M/MN)** **10**

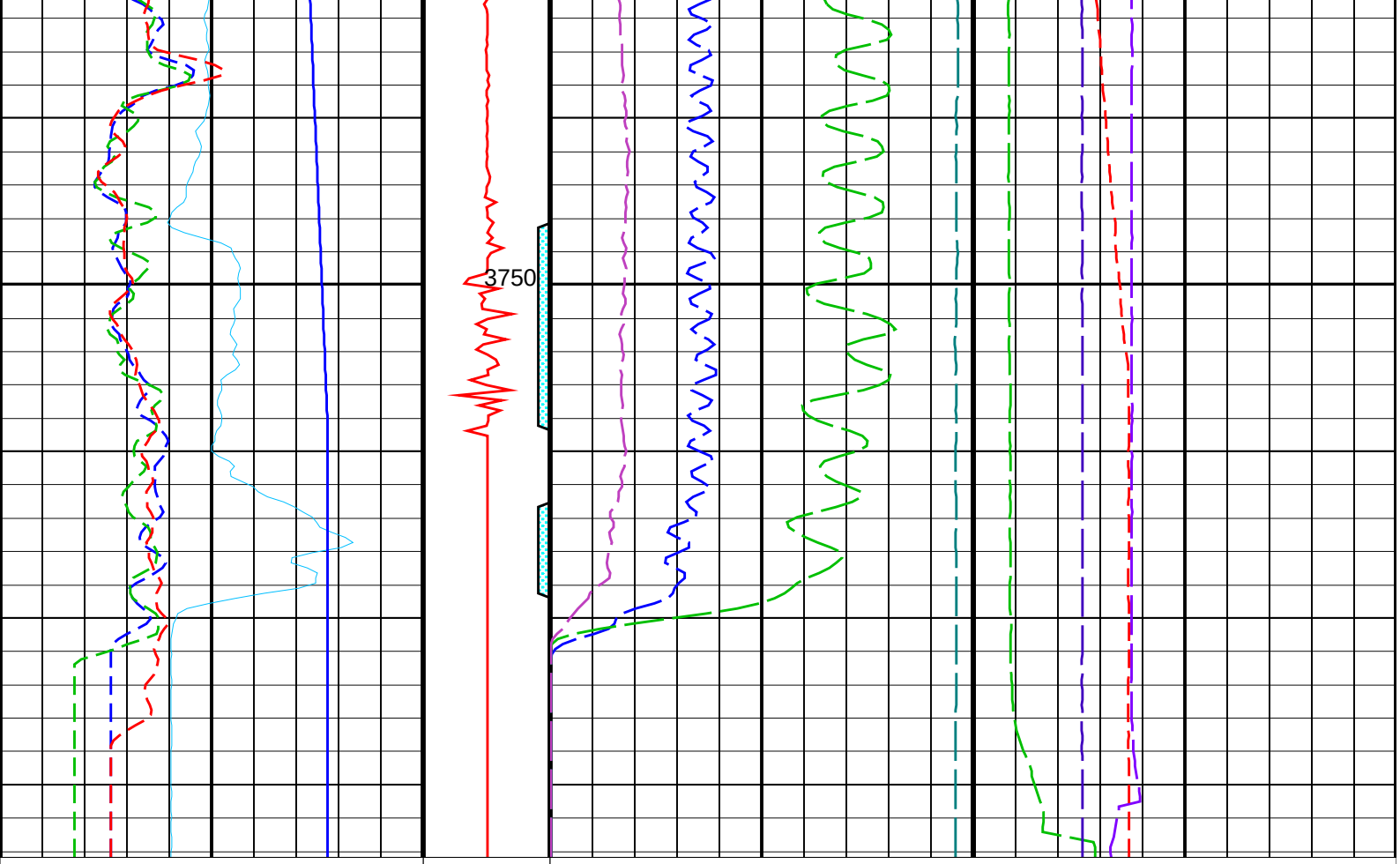
Cable Velocity [02] (P02CVL)
−25 **(M/MN)** **25**

Cable Velocity [03] (P03CVL)
−40 **(M/MN)** **40**

Well Pressure [01] (P01LPR)

Fluid Temperature [01] (P01TMP)


2900 (PSIA) 3100
220 (DEGF) 225
Gamma−Ray [01] (P01LGR)
0 (GAPI) 150
Spinner Rotational Velocity [01] (P01SPIN)
0 (RPS) −20
Gamma−Ray [02] (P02LGR)
0 (GAPI) 150
Perfo Zone From PERFO_ CURVE to D3T
Spinner Rotational Velocity [02] (P02SPIN)
0 (RPS) −20
Gamma−Ray [03] (P03LGR)
0 (GAPI) 150
Perfo Zone (PIFL_DM)
20 (−−−− 0
Spinner Rotational Velocity [03] (P03SPIN)
0 (RPS) −20
Diameter [01] (P01DIA)
6 (IN) 8
CCL [01] (P01CCL)
−3 (V) 3
Fluid Density [01] (P01FDS)
0 (G/C3) 2
3725



Diameter [01] (P01DIA)
6 (IN) 8

CCL [01] (P01CCL)
−3 (V) 3

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

Gamma−Ray [03] (P03LGR)
0 (GAPI) 150

Perfo Zone (PIFL_DM)
20 (−−−− 0

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

Gamma−Ray [02] (P02LGR)
0 (GAPI) 150

Perfo Zone From PERFO_ CURVE to D3T

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

Gamma−Ray [01] (P01LGR)
0 (GAPI) 150

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

Well Pressure [01] (P01LPR)
2900 (PSIA) 3100

Fluid Temperature [01] (P01TMP)
220 (DEGF) 225

Cable Velocity [03] (P03CVL)
−40 (M/MN) 40

Cable Velocity [02] (P02CVL)
−25 (M/MN) 25

Cable Velocity [01] (P01CVL)
−10 (M/MN) 10

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
CSID	Casing Size I.D.	6.875	IN
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875	IN

	PGMC−A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875	IN
	PSPT−A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875	IN
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	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	−8.8	M
PP	Playback Processing	NORMAL	

Format: PLQLMultipasses Vertical Scale: 1:200 Graphics File Created: 06−Jun−2007 09:33

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_120PUP	FN:114	PRODUCER	06−Jun−2007 09:33		

Schlumberger

Static Pass
Log Up @ 980 ft/hr

MAXIS Field Log

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_043LUP	FN:42	PRODUCER	05−Jun−2007 10:27	3775.1 M	3714.4 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_046PUP	FN:45	PRODUCER	05−Jun−2007 10:42	3770.1 M	3701.6 M

OP System Version: 14C0−302

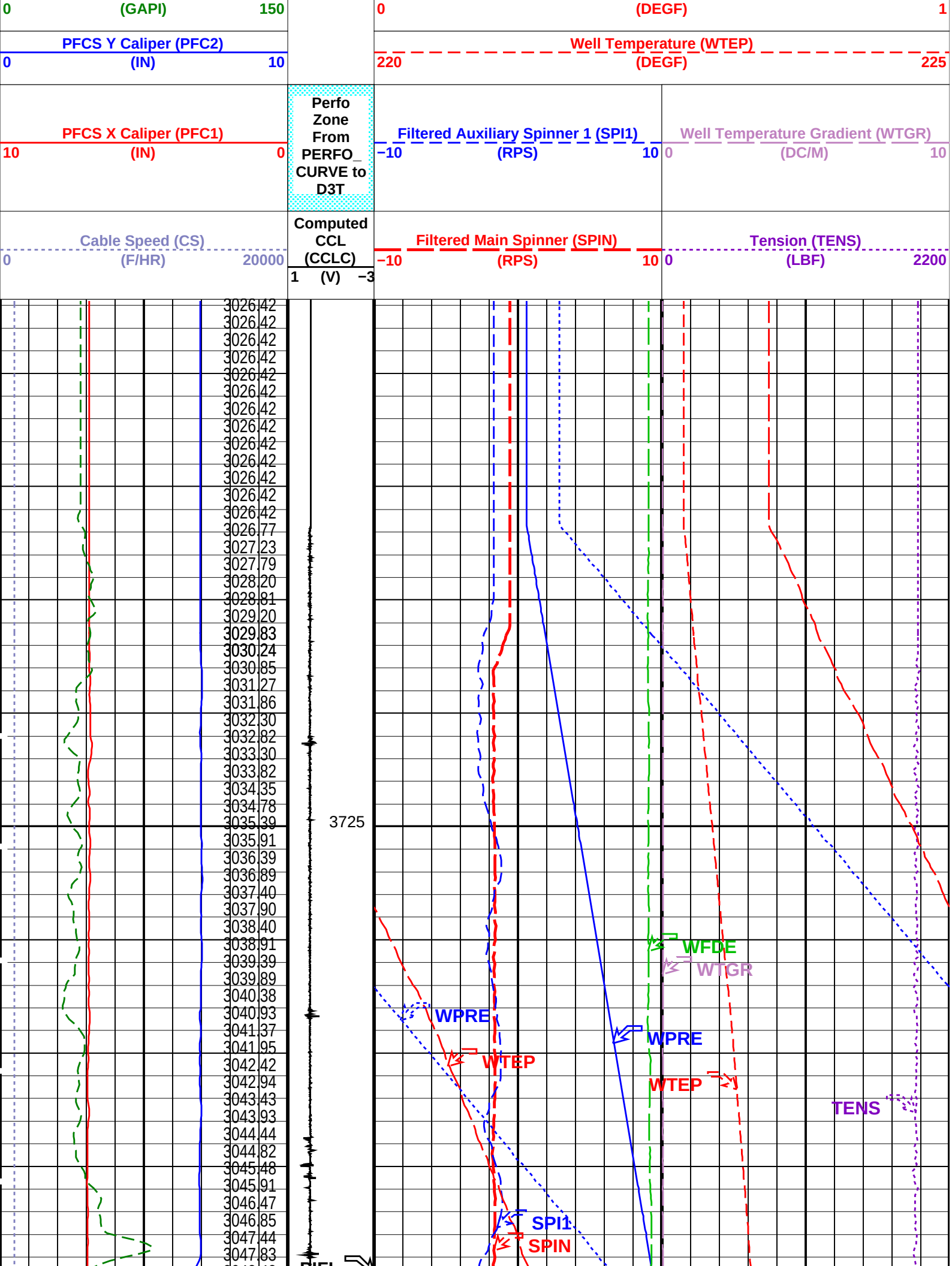
MCM

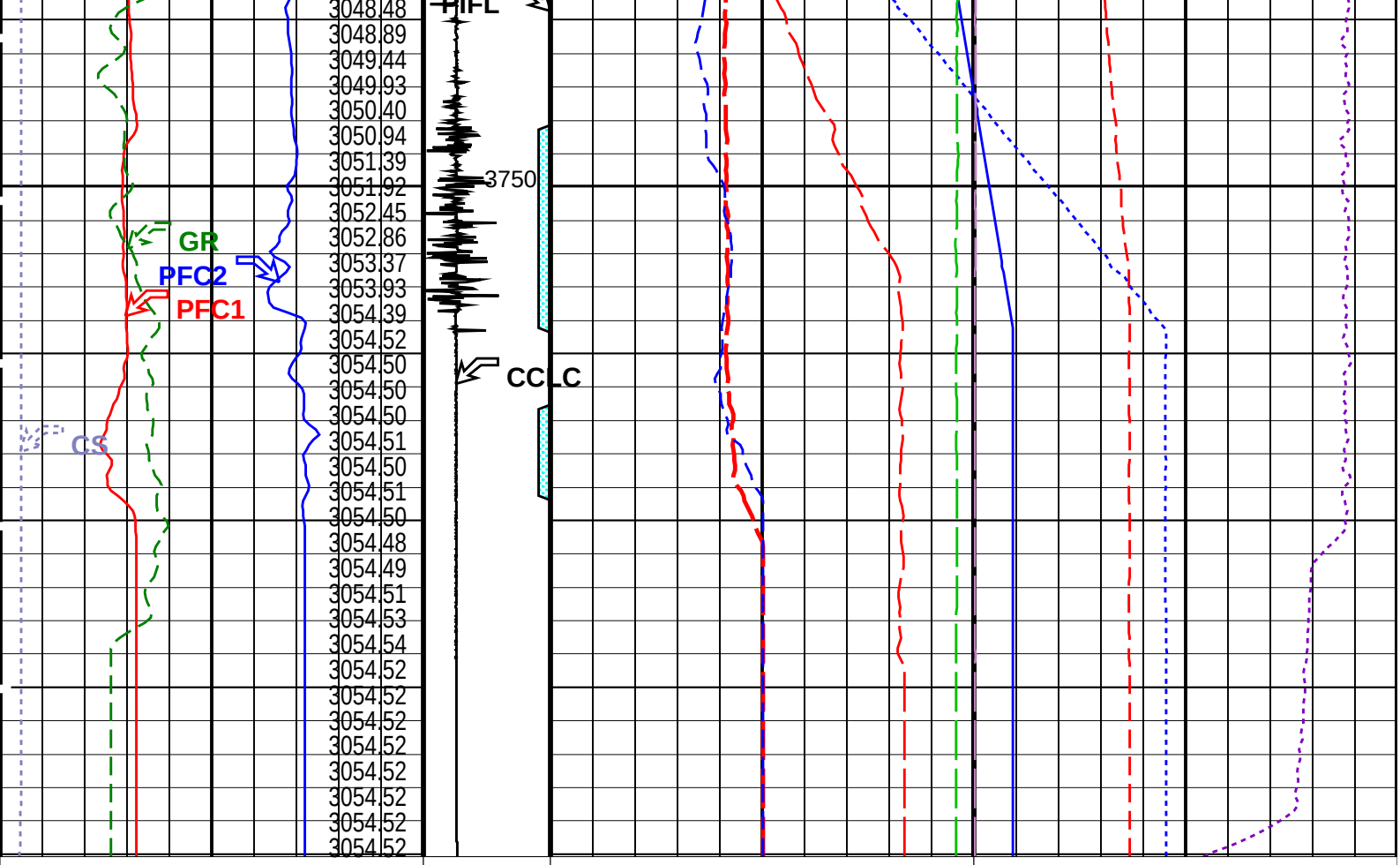
PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

PIP SUMMARY

Time Mark Every 60 S

	Well Fluid Density (WFDE)	
	0 (G/C3)	2
	Amplified Well Pressure (WPRE)	
	0 (PSIA)	20
Well Pressure (WPRE) (PSIA)	Well Pressure (WPRE)	
	3000 (PSIA)	3100
Gamma Ray (GR)	Well Temperature (WTEP)	


0 (GAPI) 150
PFCS Y Caliper (PFC2)
0 (IN) 10
PFCS X Caliper (PFC1)
10 (IN) 0
Cable Speed (CS)
0 (F/HR) 20000
Perfo Zone From PERFO_ CURVE to D3T
Computed CCL (CCLC)
1 (V) −3
0 (DEGF) 1
Well Temperature (WTEP)
220 (DEGF) 225
Filtered Auxiliary Spinner 1 (SPI1)
−10 (RPS) 10
Filtered Main Spinner (SPIN)
−10 (RPS) 10
Well Temperature Gradient (WTGR)
0 (DC/M) 10
Tension (TENS)
0 (LBF) 2200
3026.42
3026.42
3026.42
3026.42
3026.42
3026.42
3026.42
3026.42
3026.42
3026.42
3026.42
3026.42
3026.77
3027.23
3027.79
3028.20
3028.81
3029.20
3029.83
3030.24
3030.85
3031.27
3031.86
3032.30
3032.82
3033.30
3033.82
3034.35
3034.78
3035.39
3725
3035.91
3036.39
3036.89
3037.40
3037.90
3038.40
3038.91
3039.39
3039.89
3040.38
3040.93
3041.37
3041.95
3042.42
3042.94
3043.43
3043.93
3044.44
3044.82
3045.48
3045.91
3046.47
3046.85
3047.44
3047.83
WFDE
WTGR
WPRE
WPRE
WTEP
WTEP
TENS
SPI1
SPIN



Cable Speed (CS)
0 (F/HR) 20000

Computed CCL (CCLC)
1 (V) −3

Filtered Main Spinner (SPIN)
−10 (RPS) 10

Tension (TENS)
0 (LBF) 2200

PFCS X Caliper (PFC1)
10 (IN) 0

Perfo Zone From PERFO_ CURVE to D3T

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

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

PFCS Y Caliper (PFC2)
0 (IN) 10

Well Temperature (WTEP)
220 (DEGF) 225

Gamma Ray (GR)
0 (GAPI) 150

Well Temperature (WTEP)
0 (DEGF) 1

Well Pressure (WPRE) (PSIA)

Well Pressure (WPRE)
3000 (PSIA) 3100

Amplified Well Pressure (WPRE)
0 (PSIA) 20

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

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 05−Jun−2007 10:42

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

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	35	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	35	DEG
	System and Miscellaneous		
DO	Depth Offset for Playback	−5.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_043LUP	FN:42	PRODUCER	05−Jun−2007 10:27	3775.1 M	3714.4 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_046PUP	FN:45	PRODUCER	05−Jun−2007 10:42		

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_043LUP	FN:42	PRODUCER	05−Jun−2007 10:27	3775.1 M	3714.4 M

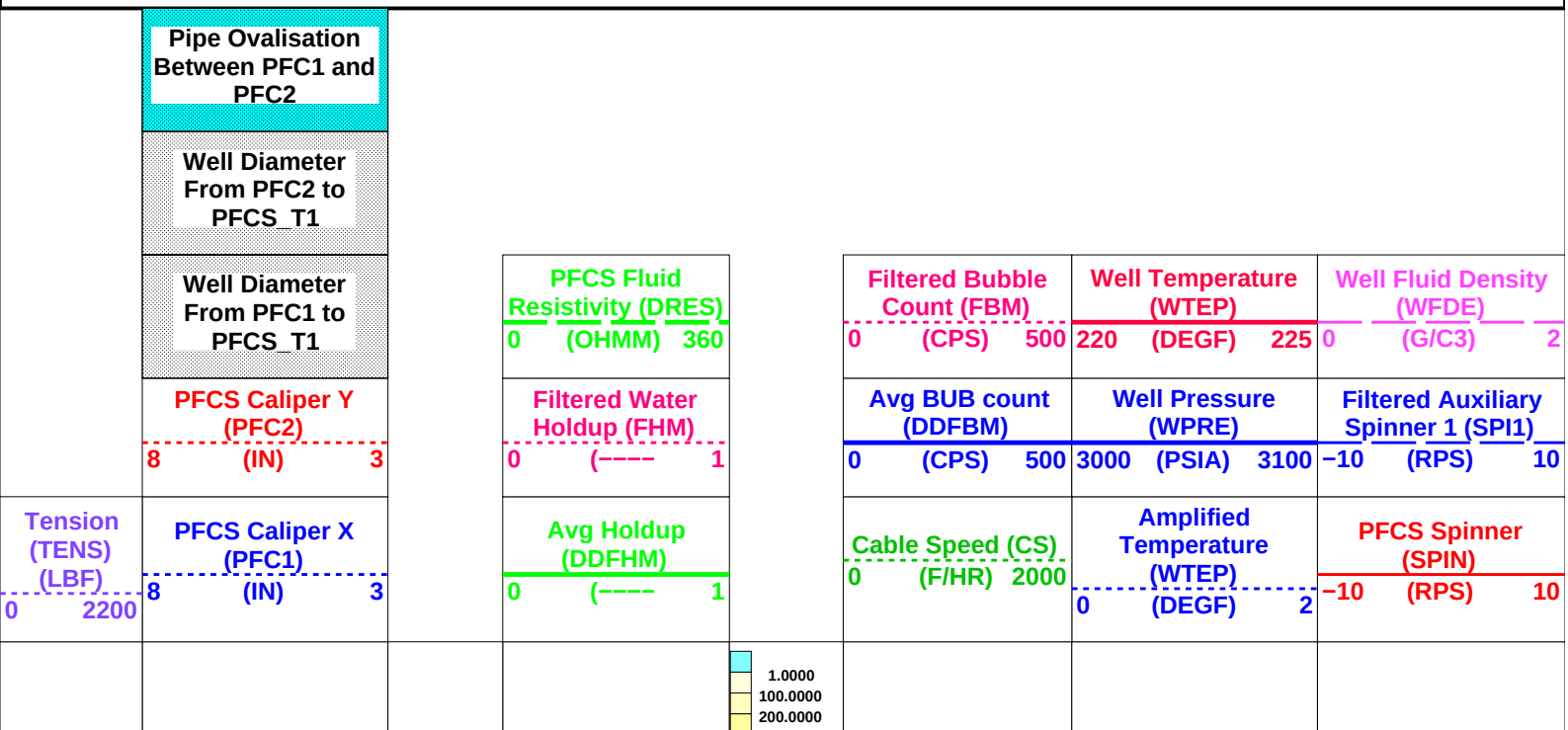
Output DLIS Files

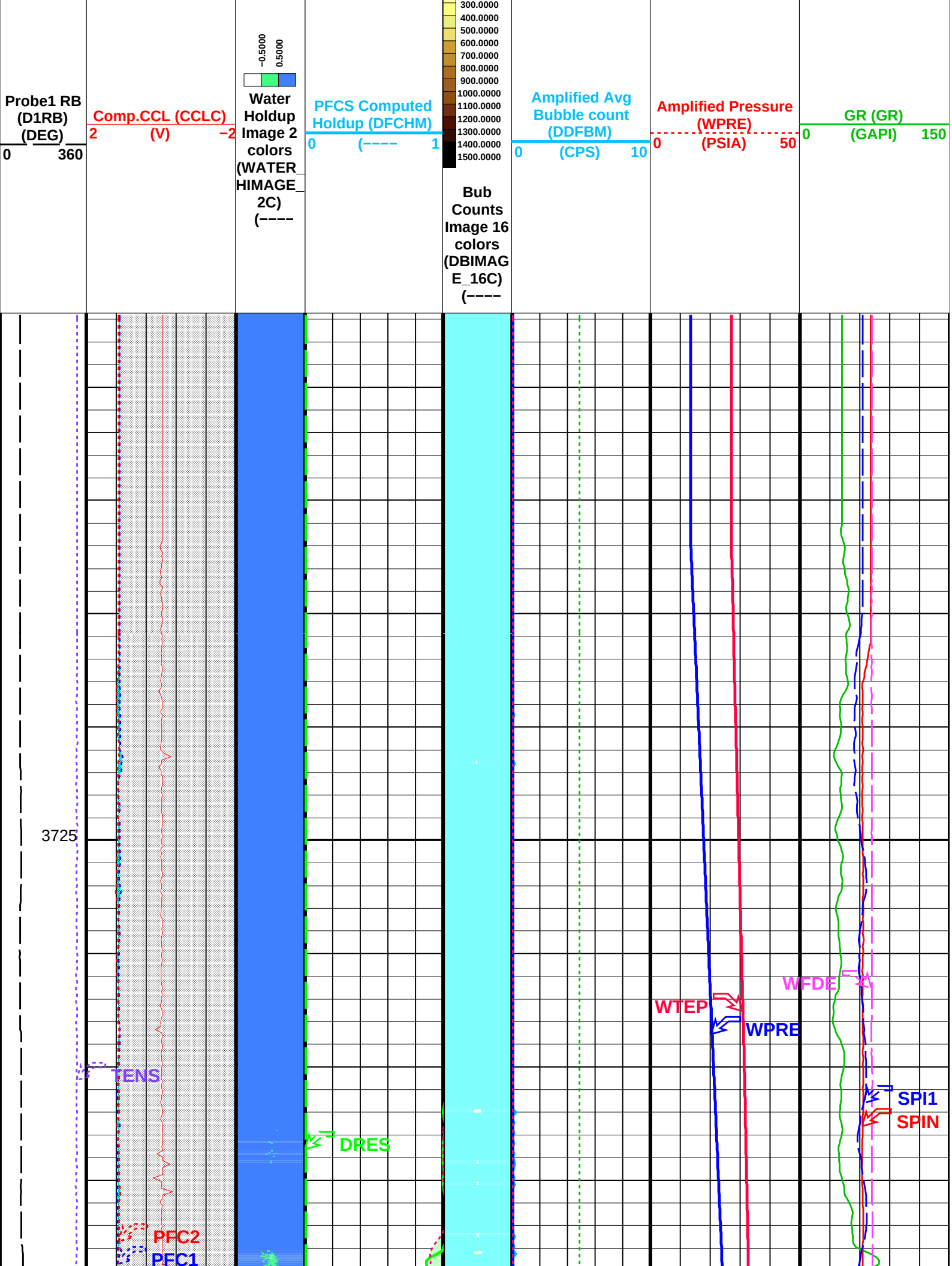
DEFAULT	FCS_ILS_DEFT_GMS_046PUP	FN:45	PRODUCER	05−Jun−2007 10:42	3770.1 M	3701.6 M

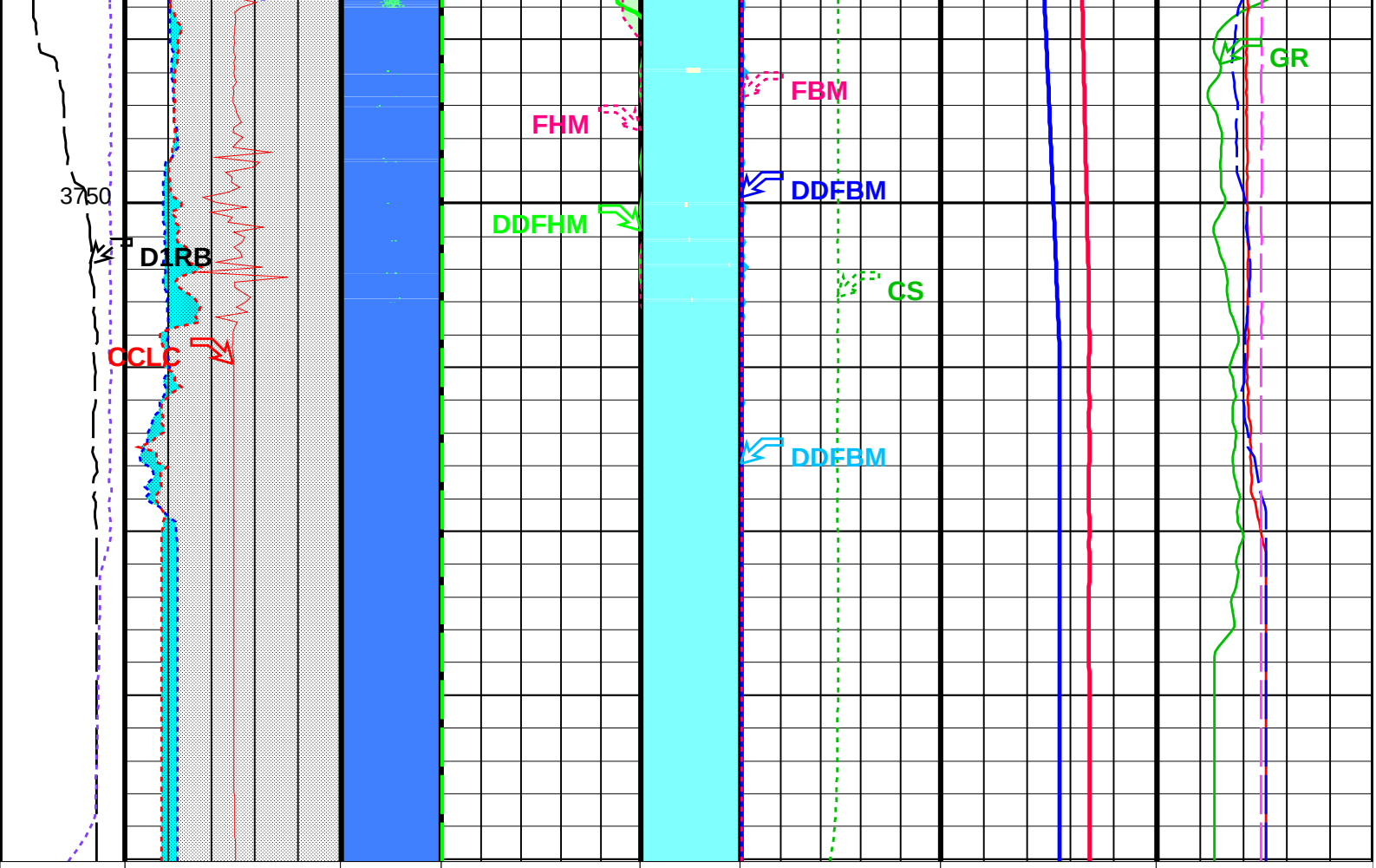
OP System Version: 14C0−302

MCM

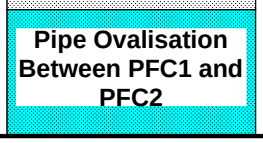
PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		




Probe1 RB (D1RB) (DEG)
0
360
Comp.CCL (CCLC)
2
(V)
−2
−0.5000
0.5000
Water Holdup Image 2 colors (WATER_HIMAGE_2C) (----
PFCS Computed Holdup (DFCHM)
0
(----
1
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
(PSIA)
50
GR (GR)
0
(GAPI)
150
3725
TENS
PFC2
PFC1
DRES
WTEP
WPRE
WFDE
SPI1
SPIN



Probe1 RB (D1RB) (DEG)	Comp.CCL (CCLC)	Water Holdup Image 2 colors (WATER_HIMAGE_2C) (-----	PFCS Computed Holdup (DFCHM)	Bub Counts Image 16 colors (DBIMAGE_16C) (----	Amplified Avg Bubble count (DDFBM)	Amplified Pressure (WPRE)	GR (GR)
0 360	2 (V) −2	−0.5000 0.5000	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	0 (CPS) 10	0 (PSIA) 50	0 (GAPI) 150
Tension (TENS) (LBF)	PFCS Caliper X (PFC1)		Avg Holdup (DDFHM)		Cable Speed (CS)	Amplified Temperature (WTEP)	PFCS Spinner (SPIN)
0 2200	8 (IN) 3		0 (---- 1		0 (F/HR) 2000	0 (DEGF) 2	−10 (RPS) 10
	PFCS Caliper Y (PFC2)		Filtered Water Holdup (FHM)		Avg BUB count (DDFBM)	Well Pressure (WPRE)	Filtered Auxiliary Spinner 1 (SPI1)
	8 (IN) 3		0 (---- 1		0 (CPS) 500	3000 (PSIA) 3100	−10 (RPS) 10
	Well Diameter From PFC1 to PFCS_T1		PFCS Fluid Resistivity (DRES)		Filtered Bubble Count (FBM)	Well Temperature (WTEP)	Well Fluid Density (WFDE)
			0 (OHMM) 360		0 (CPS) 500	220 (DEGF) 225	0 (G/C3) 2
	Well Diameter From PFC2 to PFCS_T1						



Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 05−Jun−2007 10:42

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	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	A	
GDEV	Average Angular Deviation of Borehole from Normal	35	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.	6.875	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)	C	
PFGC	PFCS Geometrical coefficient	1200	
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875	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.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	IN
	System and Miscellaneous		
DO	Depth Offset for Playback	−5.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_043LUP	FN:42	PRODUCER	05−Jun−2007 10:27	3775.1 M	3714.4 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_046PUP	FN:45	PRODUCER	05−Jun−2007 10:42

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_043LUP	FN:42	PRODUCER	05−Jun−2007 10:27	3775.1 M	3714.4 M

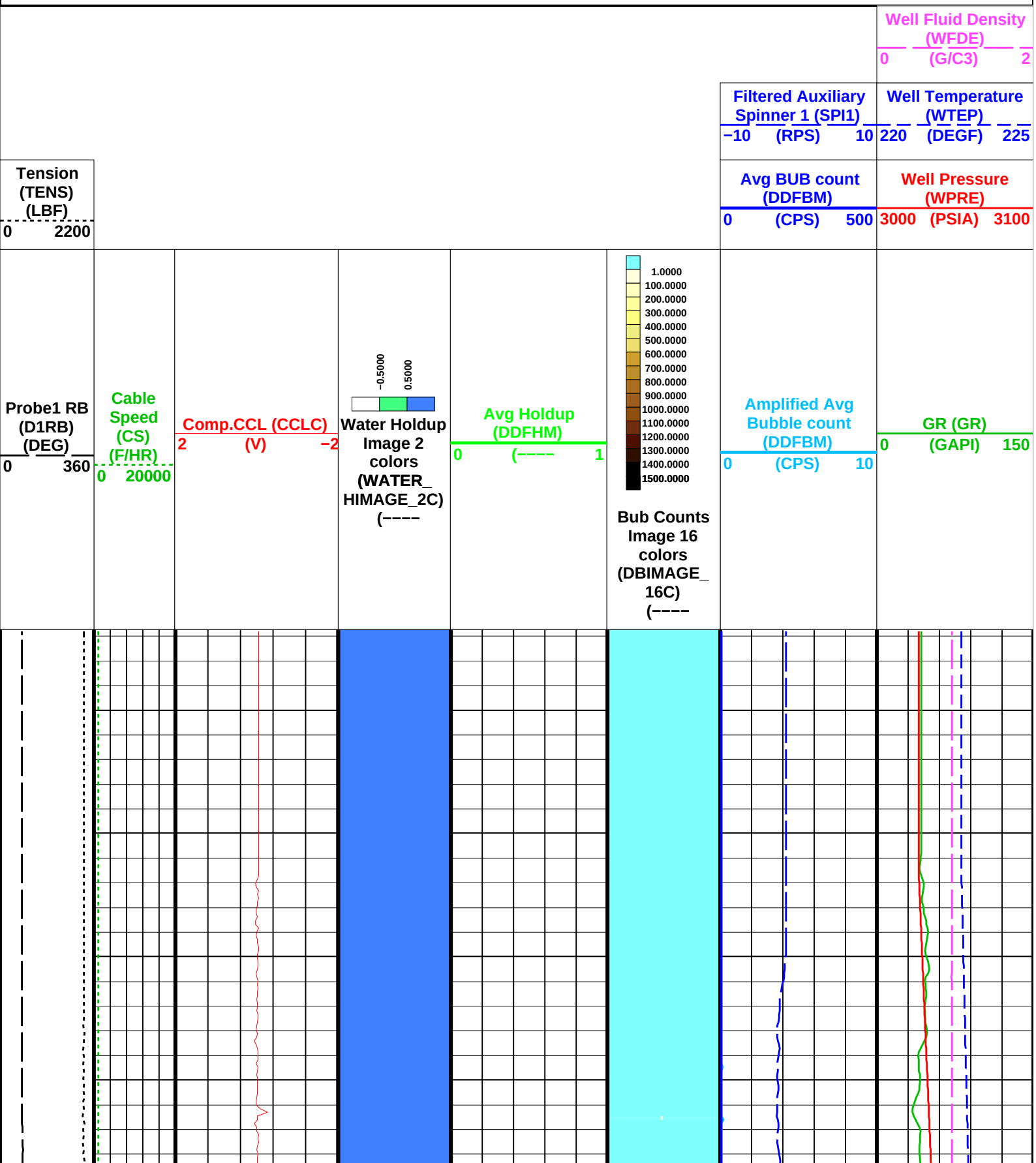
Output DLIS Files

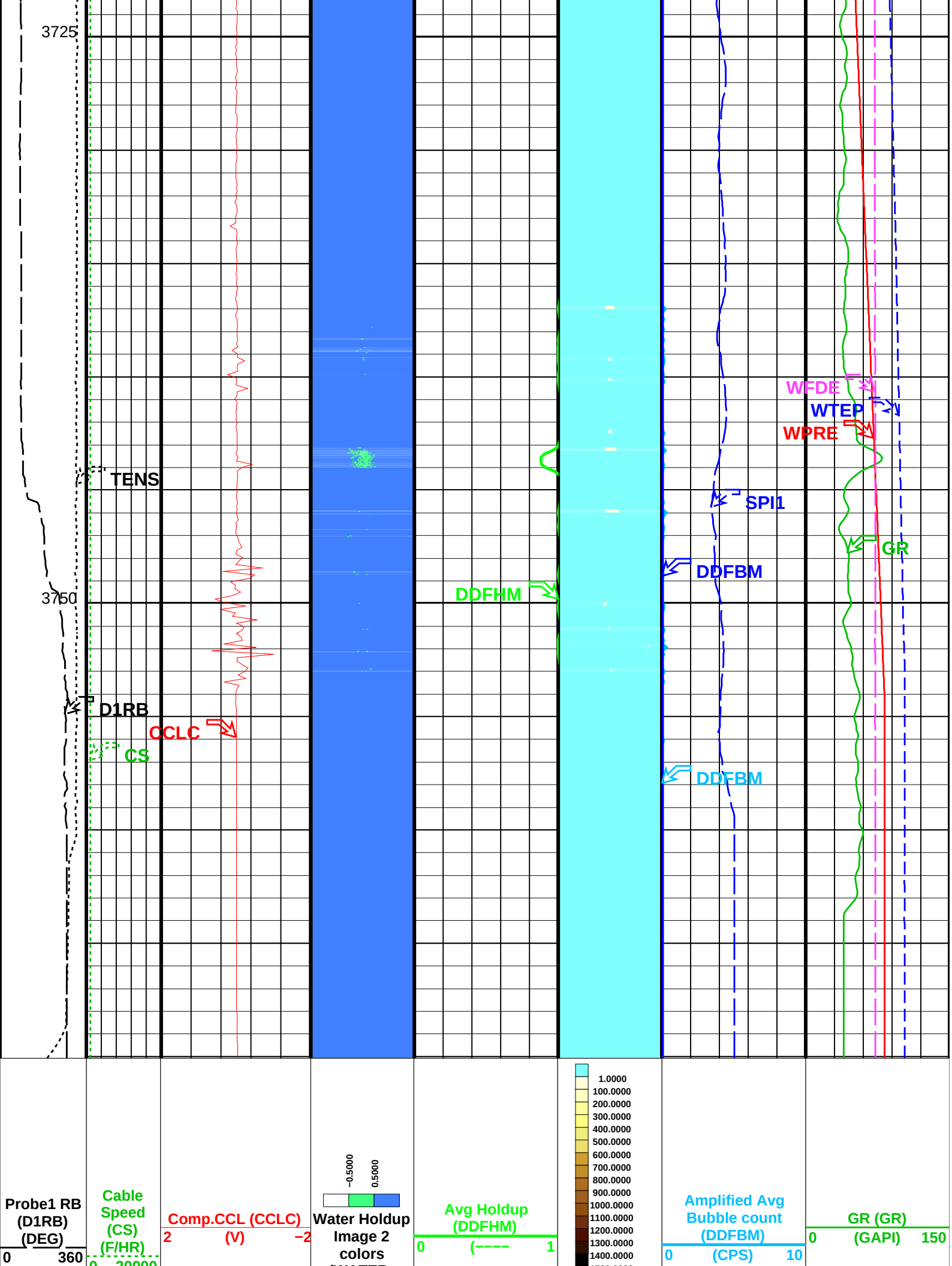
DEFAULT	FCS_ILS_DEFT_GMS_046PUP	FN:45	PRODUCER	05−Jun−2007 10:42	3770.1 M	3701.6 M

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		




3725
3750
TENS
D1RB
CCLC
CS
DDFHM
DDFBM
SPI1
DDFBM
WFDE
WTEP
WPRE
GR
Probe1 RB (D1RB) (DEG)
0
360
Cable Speed (CS) (F/HR)
0
20000
Comp.CCL (CCLC)
2
(V)
−2
−0.5000
0.5000
Water Holdup Image 2 colors
Avg Holdup (DDFHM)
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
Amplified Avg Bubble count (DDFBM)
0
(CPS)
10
GR (GR)
0
(GAPI)
150

	0 20000		(WATER_ HIMAGE_2C) (-----		1500.0000 Bub Counts Image 16 colors (DBIMAGE_ 16C) (----			
Tension (TENS) (LBF) 0 2200						Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 3000 (PSIA) 3100	
						Filtered Auxiliary Spinner 1 (SPI1) −10 (RPS) 10	Well Temperature (WTEP) 220 (DEGF) 225	
							Well Fluid Density (WFDE) 0 (G/C3) 2	

Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 05−Jun−2007 10:42

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	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	A	
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
	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	
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875	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.	6.875	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.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	IN
	System and Miscellaneous		
DO	Depth Offset for Playback	−5.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_043LUP	FN:42	PRODUCER	05−Jun−2007 10:27	3775.1 M	3714.4 M

Output DLIS Files

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_046PUP	FN:45	PRODUCER	05−Jun−2007 10:42	

Schlumberger

Static Pass
Log Down @ 14000 ft/hr

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_112LUP	PRODUCER	06−Jun−2007 07:35	3775.3 M	3613.3 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_115PUP	FN:109	PRODUCER	06−Jun−2007 07:42	3766.4 M	3596.6 M

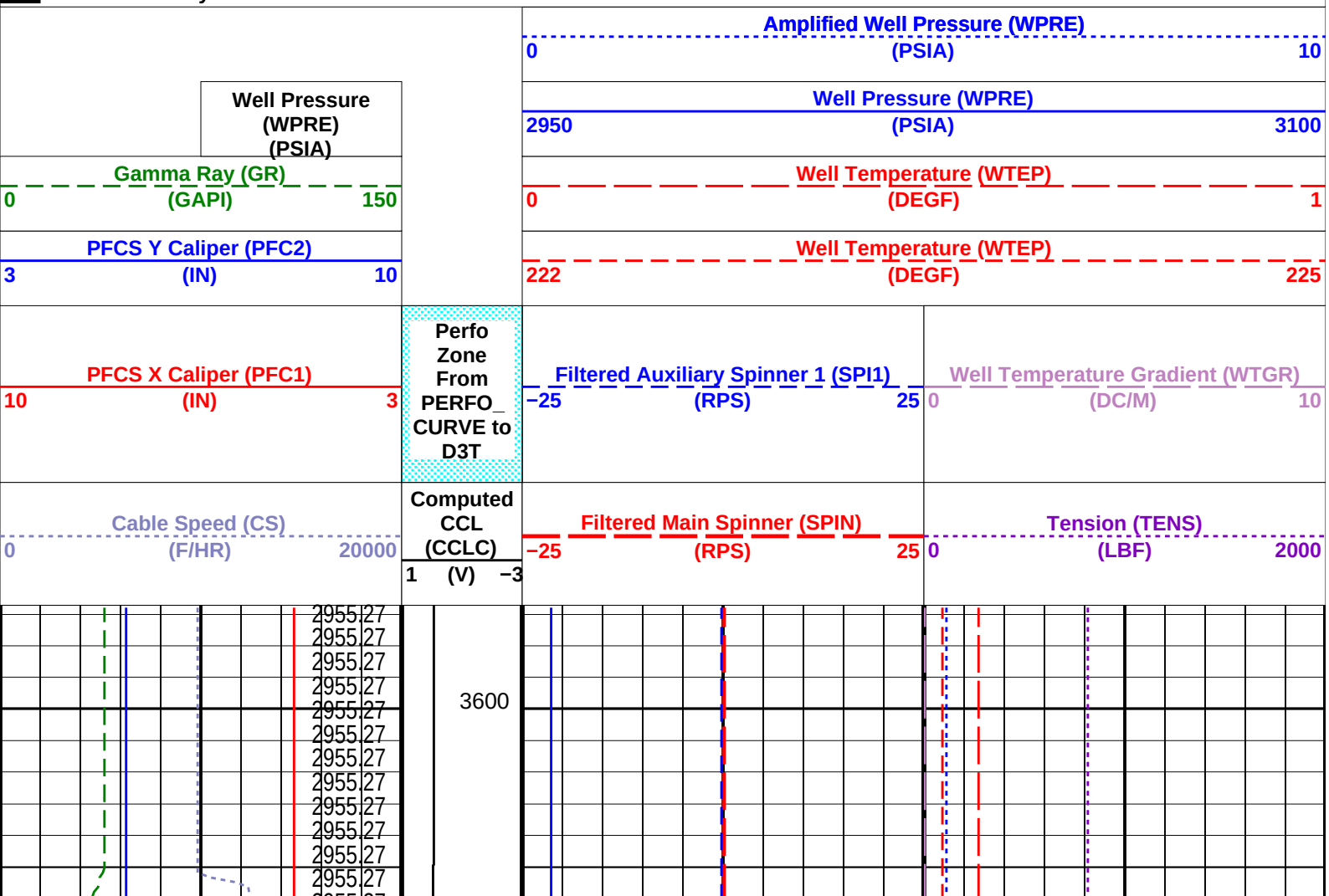
OP System Version: 14C0−302

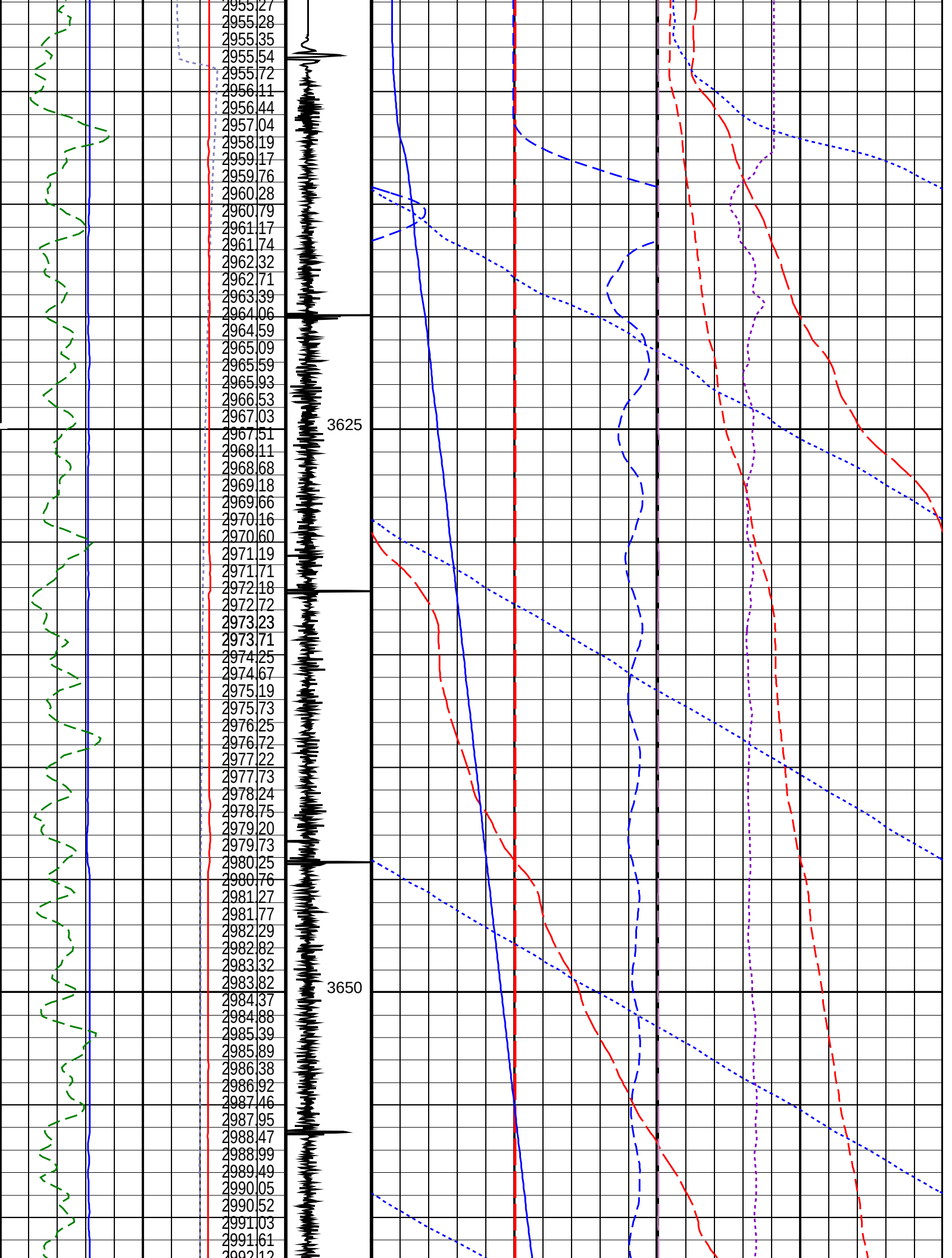
MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

PIP SUMMARY

Time Mark Every 60 S




2955.27
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2955.35
2955.54
2955.72
2956.11
2956.44
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2958.19
2959.17
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2960.79
2961.17
2961.74
2962.32
2962.71
2963.39
2964.06
2964.59
2965.09
2965.59
2965.93
2966.53
2967.03
3625
2967.51
2968.11
2968.68
2969.18
2969.66
2970.16
2970.60
2971.19
2971.71
2972.18
2972.72
2973.23
2973.71
2974.25
2974.67
2975.19
2975.73
2976.25
2976.72
2977.22
2977.73
2978.24
2978.75
2979.20
2979.73
2980.25
2980.76
2981.27
2981.77
2982.29
2982.82
2983.32
2983.82
3650
2984.37
2984.88
2985.39
2985.89
2986.38
2986.92
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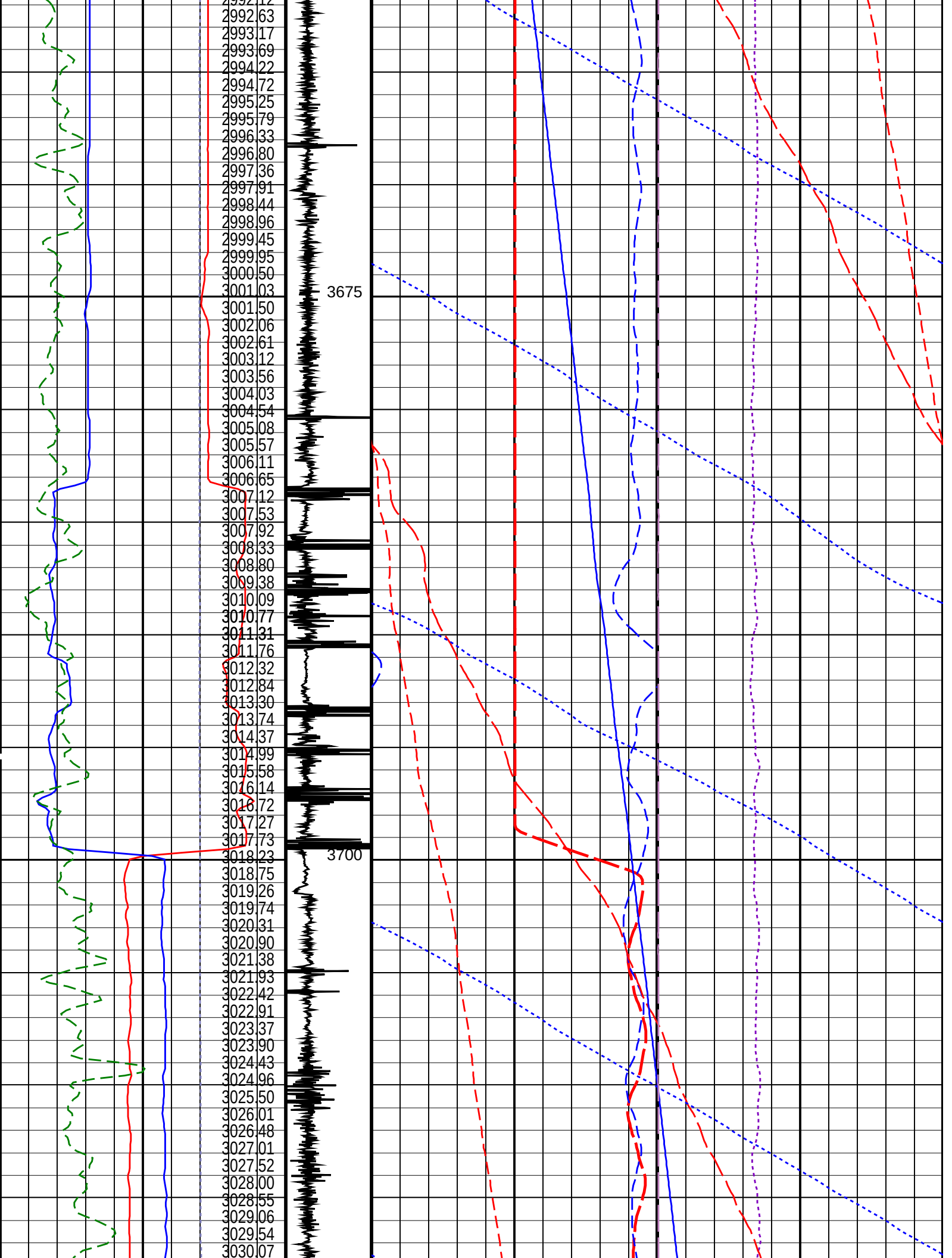
2988.47
2988.99
2989.49
2990.05
2990.52
2991.03
2991.61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2996.80
2997.36
2997.91
2998.44
2998.96
2999.45
2999.95
3000.50
3001.03
3675
3001.50
3002.06
3002.61
3003.12
3003.56
3004.03
3004.54
3005.08
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3006.11
3006.65
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3007.92
3008.33
3008.80
3009.38
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3010.77
3011.31
3011.76
3012.32
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3016.14
3016.72
3017.27
3017.73
3018.23
3700
3018.75
3019.26
3019.74
3020.31
3020.90
3021.38
3021.93
3022.42
3022.91
3023.37
3023.90
3024.43
3024.96
3025.50
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3026.48
3027.01
3027.52
3028.00
3028.55
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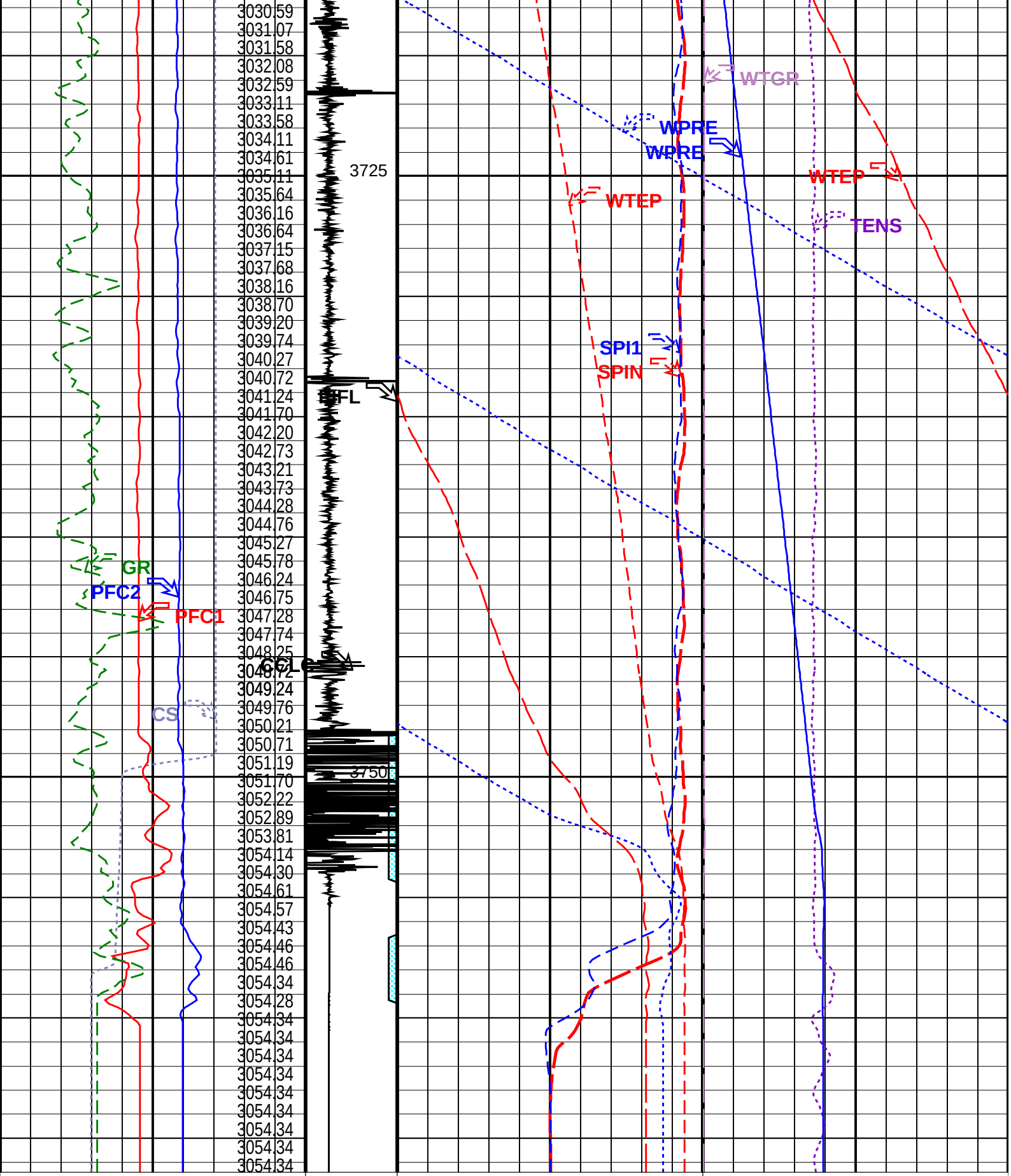
3029.54
3030.07



Cable Speed (CS)	Computed CCL (CCLC)	Filtered Main Spinner (SPIN)	Tension (TENS)
0 (F/HR) 20000	1 (V) −3	−25 (RPS) 25	0 (LBF) 2000
PFCS X Caliper (PFC1)	**Perfo Zone From PERFO**	**Filtered Auxiliary Spinner 1 (SPI1)**	**Well Temperature Gradient (WTGR)**
10 (IN) 3		−25 (RPS) 25	0 (DC/M) 10

CURVE to D3T

PFCS Y Caliper (PFC2)
3 (IN) 10

Gamma Ray (GR)
0 (GAPI) 150

Well Pressure (WPRE) (PSIA)

Well Temperature (WTEP)
222 (DEGF) 225

Well Temperature (WTEP)
0 (DEGF) 1

Well Pressure (WPRE)
2950 (PSIA) 3100

Amplified Well Pressure (WPRE)
0 (PSIA) 10

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 06-Jun-2007 07:42

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

Parameters

DLIS Name	Description	Value	
	PFCS-A: PSP Flow and caliper Tool		
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	
	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	
	System and Miscellaneous		
DO	Depth Offset for Playback	-8.8	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_112LUP		PRODUCER	06-Jun-2007 07:35	3775.3 M	3613.3 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_115PUP	FN:109	PRODUCER	06-Jun-2007 07:42		

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_112LUP		PRODUCER	06-Jun-2007 07:35	3775.3 M	3613.3 M

Output DLIS Files

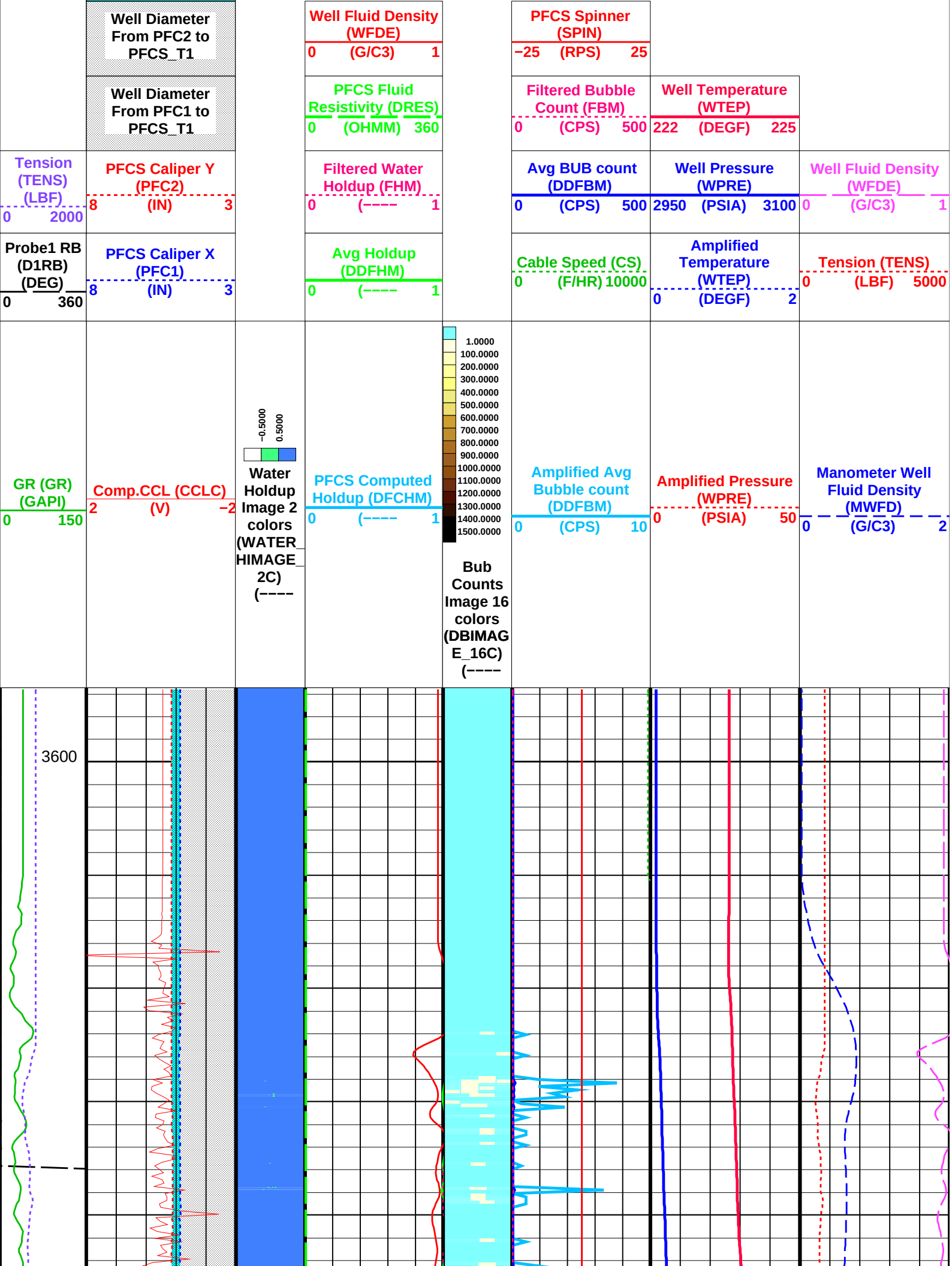
DEFAULT	FCS_ILS_DEFT_GMS_115PUP	FN:109	PRODUCER	06-Jun-2007 07:42	3766.4 M	3596.6 M

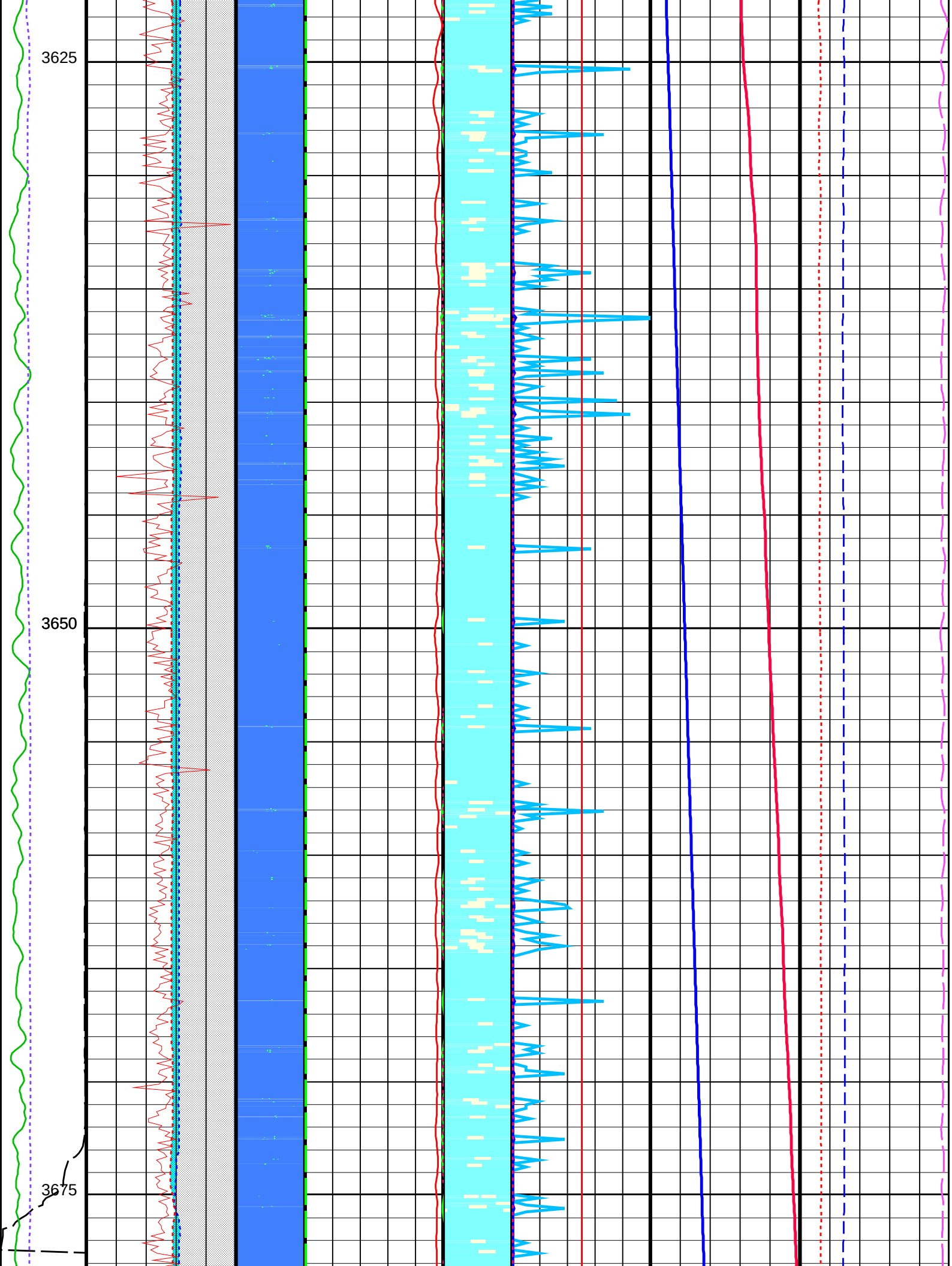
OP System Version: 14C0-302

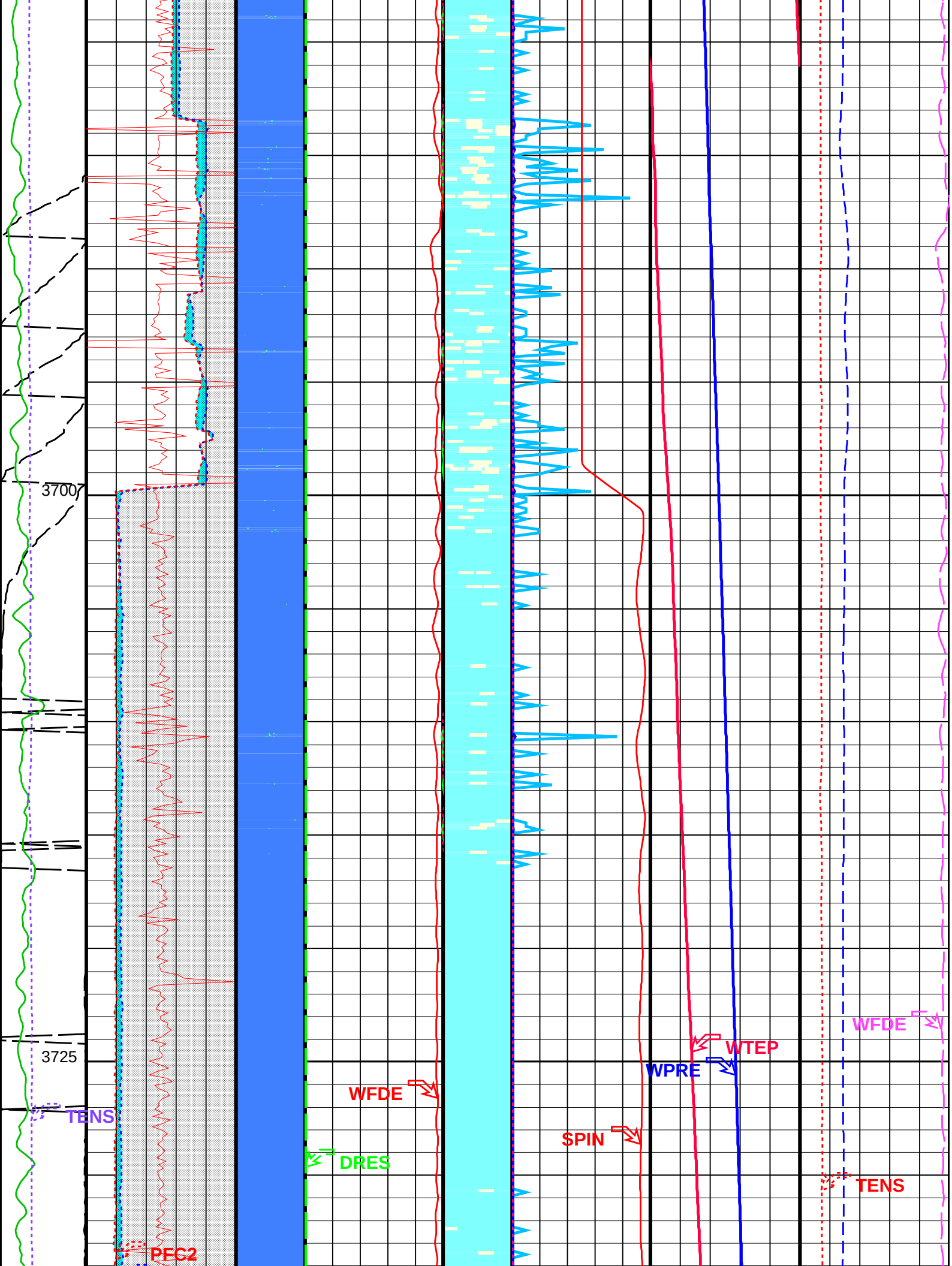
MCM

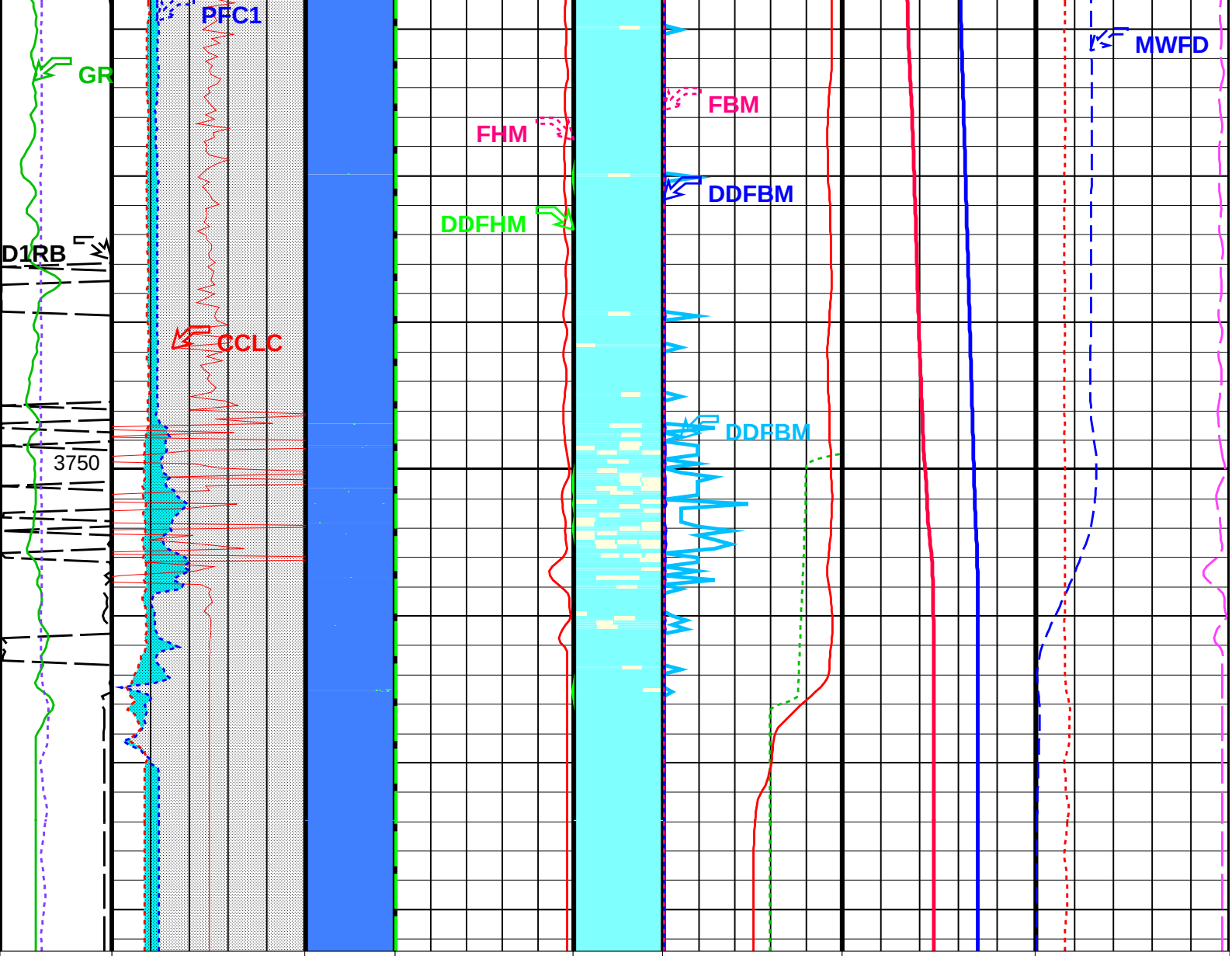
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

Pipe Ovalisation Between PFC1 and PFC2

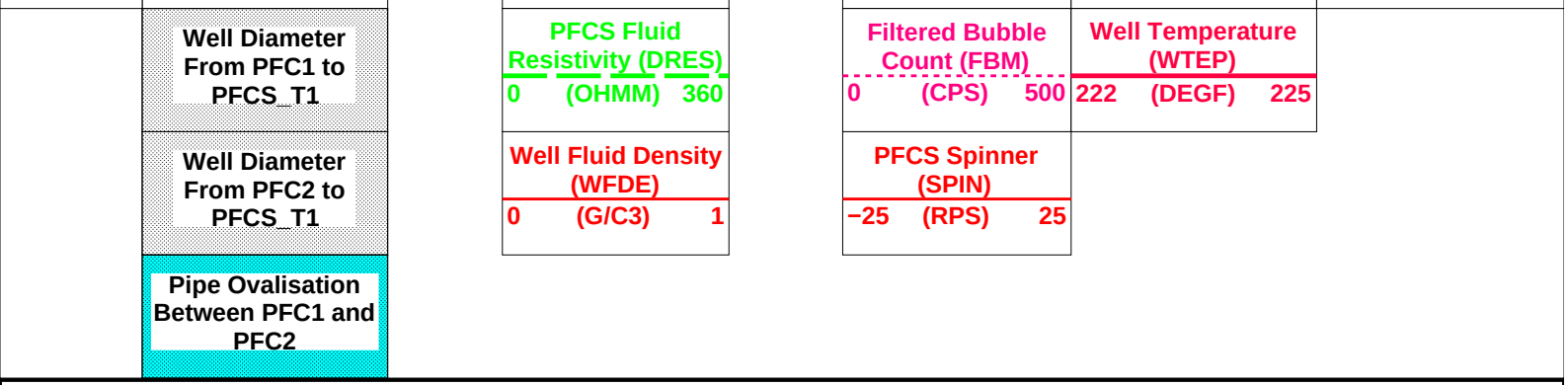

Well Diameter From PFC2 to PFCS_T1
Well Diameter From PFC1 to PFCS_T1
Well Fluid Density (WFDE)
0 (G/C3) 1
PFCS Spinner (SPIN)
−25 (RPS) 25
PFCS Fluid Resistivity (DRES)
0 (OHMM) 360
Filtered Bubble Count (FBM)
0 (CPS) 500
Well Temperature (WTEP)
222 (DEGF) 225
Tension (TENS) (LBF)
0 2000
PFCS Caliper Y (PFC2)
8 (IN) 3
Filtered Water Holdup (FHM)
0 (---- 1
Avg BUB count (DDFBM)
0 (CPS) 500
Well Pressure (WPRE)
2950 (PSIA) 3100
Well Fluid Density (WFDE)
0 (G/C3) 1
Probe1 RB (D1RB) (DEG)
0 360
PFCS Caliper X (PFC1)
8 (IN) 3
Avg Holdup (DDFHM)
0 (---- 1
Cable Speed (CS)
0 (F/HR) 10000
Amplified Temperature (WTEP)
0 (DEGF) 2
Tension (TENS)
0 (LBF) 5000
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 (PSIA) 50
Manometer Well Fluid Density (MWFD)
0 (G/C3) 2
3600


3625
3650
3675


3700
3725
TENS
PEC2
WFDE
DRES
SPIN
WPRE
WTEP
WFDE
TENS



GR (GR) (GAPI) 0 150	Comp.CCL (CCLC) 2 (V) −2	Water Holdup Image 2 colors (WATER_HIMAGE_2C) (---- −0.5000 0.5000	PFCS Computed Holdup (DFCHM) 0 (---- 1	Bub Counts Image 16 colors (DBIMAGE_16C) (---- 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	Amplified Avg Bubble count (DDFBM) 0 (CPS) 10	Amplified Pressure (WPRE) 0 (PSIA) 50	Manometer Well Fluid Density (MWFD) 0 (G/C3) 2
Probe1 RB (D1RB) (DEG) 0 360	PFCS Caliper X (PFC1) 8 (IN) 3		Avg Holdup (DDFHM) 0 (---- 1		Cable Speed (CS) 0 (F/HR) 10000	Amplified Temperature (WTEP) 0 (DEGF) 2	Tension (TENS) 0 (LBF) 5000
Tension (TENS) (LBF) 0 2000	PFCS Caliper Y (PFC2) 8 (IN) 3		Filtered Water Holdup (FHM) 0 (---- 1		Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 2950 (PSIA) 3100	Well Fluid Density (WFDE) 0 (G/C3) 1



Format: PFCS_Image_DL **Vertical Scale: 1:200** **Graphics File Created: 06−Jun−2007 07:42**

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	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	A	
GDEV	Average Angular Deviation of Borehole from Normal	35	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	
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	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_3.5	
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875	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)	C	
PFGC	PFCS Geometrical coefficient	1200	
	PGMC−A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875	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.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	IN
	System and Miscellaneous		
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	−8.8	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_112LUP	PRODUCER	06−Jun−2007 07:35	3775.3 M	3613.3 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_115PUP	FN:109	PRODUCER	06−Jun−2007 07:42	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_112LUP		PRODUCER	06−Jun−2007 07:35	3775.3 M 3613.3 M

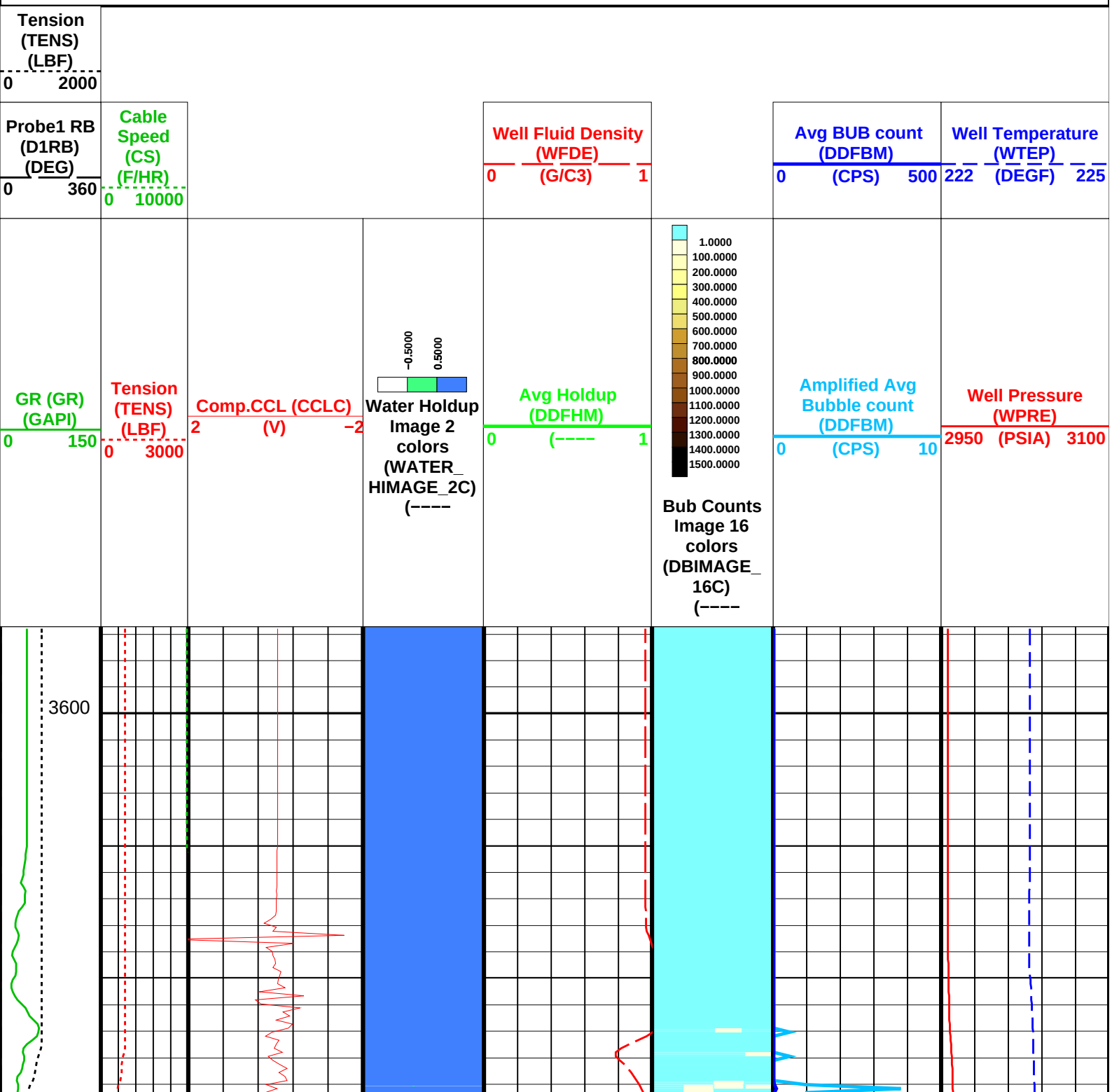
Output DLIS Files

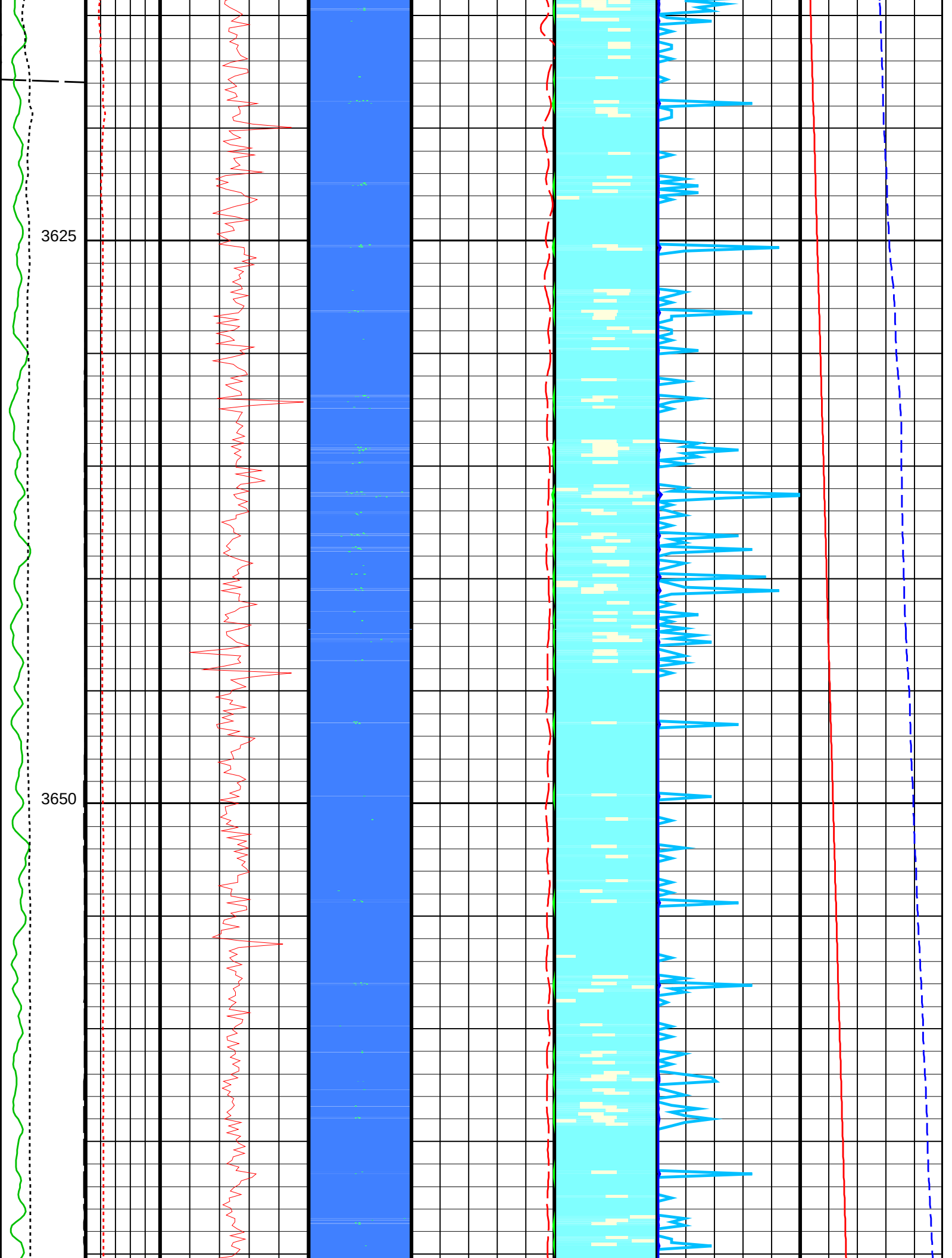
DEFAULT	FCS_ILS_DEFT_GMS_115PUP	FN:109	PRODUCER	06−Jun−2007 07:42	3766.4 M 3596.6 M

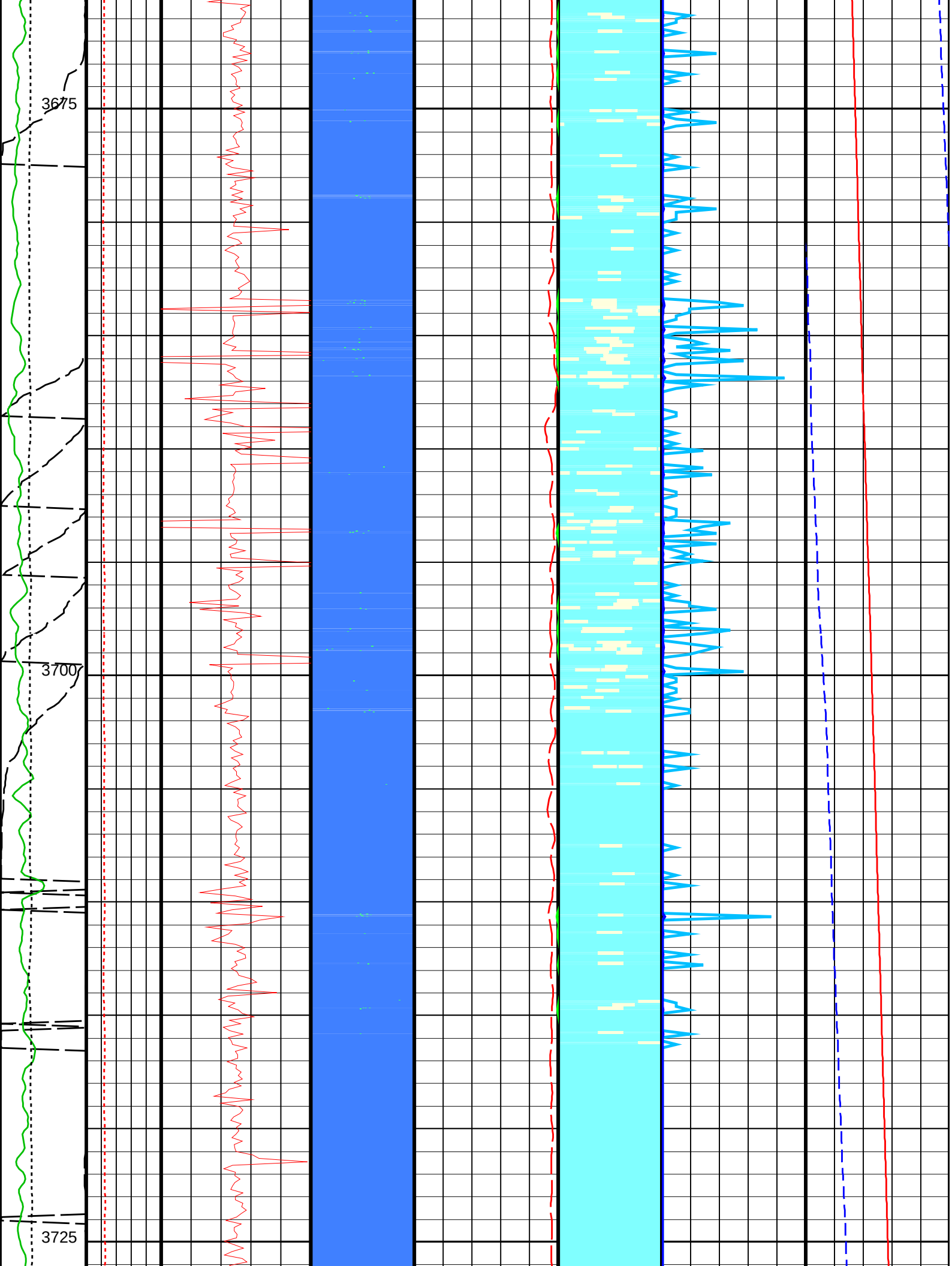
OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		




3625
3650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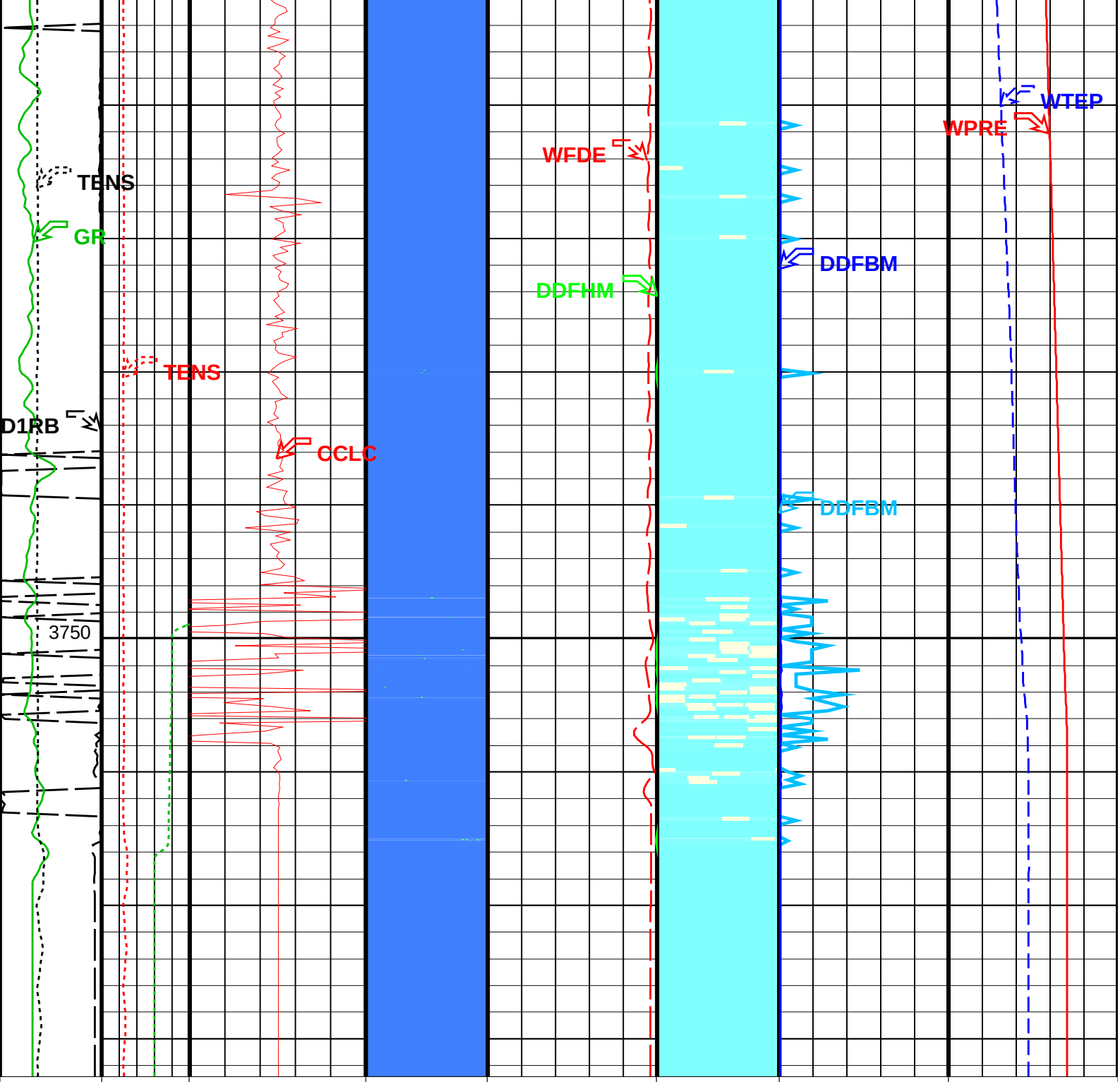
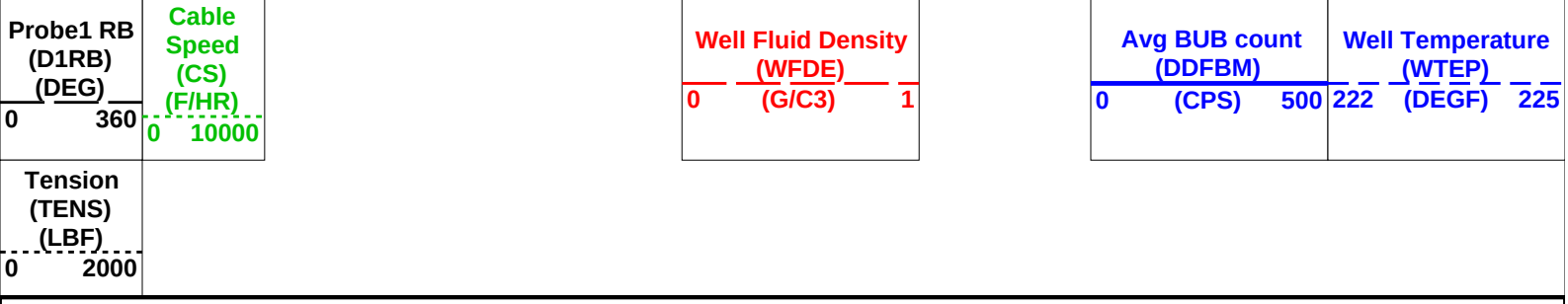
3700
3725



GR (GR) (GAPI)	Tension (TENS) (LBF)	Comp.CCL (CCLC) (V)	Water Holdup Image 2 colors (WATER_HIMAGE_2C) (-----	Avg Holdup (DDFHM) (-----	Bub Counts Image 16 colors (DBIMAGE_16C) (-----	Amplified Avg Bubble count (DDFBM) (CPS)	Well Pressure (WPRE) (PSIA)
0 150	0 3000	2 −2	−0.5000 0.5000	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	0 10	2950 3100



Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 06−Jun−2007 07:42

OP System Version: 14C0−302

MCM

PFCS−A	14C0−302	PILS−A	14C0−302
DEFT−C2	14C0−302	PGMC−A/B	14C0−302
PSPT−A/B	14C0−302		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
CSID	Casing Size I.D.	6.875	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	A	
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
	DEFT−C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875	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.	6.875	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.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	35	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	IN
	System and Miscellaneous		
DO	Depth Offset for Playback	−8.8	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_112LUP	PRODUCER	06−Jun−2007 07:35	3775.3 M	3613.3 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_115PUP	FN:109	PRODUCER	06−Jun−2007 07:42

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: 28−May−2007 13:51							
PFCS CaliperX Small Ring	5.500	N/A	5.535	N/A	N/A	N/A	IN
PFCS CaliperX Large Ring	8.000	N/A	8.148	N/A	N/A	N/A	IN
PFCS CaliperY Small Ring	5.500	N/A	5.459	N/A	N/A	N/A	IN
PFCS CaliperY Large Ring	8.000	N/A	8.110	N/A	N/A	N/A	IN
DEFT_C Tool Wellsite Calibration − DEFT_C2 Caliper Calibration							
Before: 28−May−2007 13:51							
DEFT−C2 Caliper Small Ring	5.500	N/A	5.570	N/A	N/A	N/A	IN
DEFT−C2 Caliper Large Ring	8.000	N/A	8.000	N/A	N/A	N/A	IN
Production Services Logging Platform Wellsite Calibration − Detector Calibration							
Before: 21−May−2007 15:33							
Gamma−Ray Jig−Bkg	125.0	N/A	118.8	N/A	N/A	N/A	GAPI

PSP Flow and caliper Tool / Equipment Identification

Primary Equipment:			
PFCS Cartridge	PFCC − A	799	799
PFCS Caliper	Cali −	799	799
PFCS Relative Bearing	Rela −	799	799
PFCS 3.5 Spinner Diameter	Spin −	799	799
PFCS Fluid Holdup Electric Probes	Hold −	799	799
Auxiliary Equipment:			
PFCS Cartridge Housing	PFCH − A	799	799

PSP Flow and caliper Tool Wellsite Calibration

PFCS Caliper Calibration

Phase	PFCS CaliperX Small Ring IN	Value
Before		5.535
	N/A (Minimum) / 5.500 (Nominal) / N/A (Maximum)	

Phase	PFCS CaliperX Large Ring IN	Value
Before		8.148
	N/A (Minimum) / 8.000 (Nominal) / N/A (Maximum)	

Phase	PFCS CaliperY Small Ring IN	Value
Before		5.459
	N/A (Minimum) / 5.500 (Nominal) / N/A (Maximum)	

Phase	PFCS CaliperY Large Ring IN	Value
Before		8.110
	N/A (Minimum) / 8.000 (Nominal) / N/A (Maximum)	

Before: 28−May−2007 13:51

DEFT_C Tool / Equipment Identification

Primary Equipment:			
DEFTC Cartridge	DFCC − C	716	716
DEFT_C Caliper	Cali − 1	716	716
DEFT_C2 Relative Bearing	Rela − 1	716	716
DEFT_C Flowmeter probes	Flow − 4	716	716
Auxiliary Equipment:			
DEFTC Cartridge Housing	DFCH − C	716	716

DEFT_C Tool Wellsite Calibration

DEFT_C2 Caliper Calibration

Phase	DEFT−C2 Caliper Small Ring IN	Value
Before		5.570
	N/A (Minimum) / 5.500 (Nominal) / N/A (Maximum)	

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

Before: 28−May−2007 13:51

Production Services Logging Platform / Equipment Identification

Primary Equipment:

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		4.628	Before		118.8
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			110.0 (Minimum) 125.0 (Nominal) 140.0 (Maximum)	

Before: 21−May−2007 15:33

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **F−11a**
Field: **Cobia**
Rig : **Prod4 / Crane**
Country: **Australia**

Dual Deft / Spinner
GR−PLT−PGMC
Survey