

Compass

Well:
Field:
Rig :

Rig :
Field:
Location:
Well:

Prod4 / Crane
Cobia
Gippsland
A 16

Logging Data
Run Number
Depth Drilled
Schlumberger
Bottom Log
Top Log Interval
Casing Fluid
Salinity
Density
Fluid Level
BIT/CASING
Bit Size
From
To
Casing/Tub
Weight
Grade
From
To
Maximum R
Logger On
Unit Number
Recorded B
Witnessed I

Company: Esso Australia Pty Ltd.

A-16
Cobia
Prod4 / Crane
Country: Australia

Dual Delft / Spinner
GR-PLT-Gradic
Survey

LOCATION			
Gippsland Basin Bass Strait	Permanent Datum:	M.S.L. _____	
	Log Measured From:	D.F. _____	
	Drilling Measured From:	D.F. _____	
State: Victoria	Max. Well Deviation 39 deg	Longitude 148 18'32.566"E	Latitude 038 26'57.593"S

One	25-May-2007		
2825 m			
2823 m			
2823 m			
2780 m			
Production Fluids			
480 m			
9.785 in			
7.625 in			
29.7 lbm/ft			
K-55			
12.13 m			
2873 m			
225 degf			
25-May-2007			
Time			8:15
Location			
889	Prod4 / Crane		
G Wright & S Gilbert.			
B White & B Robinson.			

			Run 1
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	39 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: 20-MAY-2007 13:01:26

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-EB Serial Number: -999 Calibration Date: 05-JUL-2006 Calibrator Serial Number: 9 Calibration Cable Type: 2-32ZT Wheel Correction 1: -2 Wheel Correction 2: -4	Type: PSDS/OSDS Serial Number: 325357 Calibration Date: 28-Apr-2007 Calibrator Serial Number: 1176 Calibration Gain: 0.91 Calibration Offset: 217.00	Type: 2-32ZT Serial Number: 24425 Length: 6590.08 M Conveyance Method: Wireline Rig Type: Offshore_Fixed

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Solar Composite
Reference Log Run Number:	1
Reference Log Date:	May-2007

Depth Control Remarks

1. Primary depth control was the IDW-EB 6373.
2. Z chart used as secondary depth control.
3.
4.
5.
6.

DISCLAIMER

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OTHER SERVICES1
OS1: None

REMARKS: RUN NUMBER 1
Log correlated to ExxonMobil Solar composite supplied with program.
Maximum well deviation = 39 degrees at 575.2m MDKB.
Dual Deft,PLT survey logged from HUD @ 2823m MDKB to 2780m MDKB.
Static and flowing data recorded over a two day period due to platform activities and personel problems.
SBHP @ HUD = 3275 psia.
FBHP @ HUD = 3235 psia.
SBHT = 225 degf,FBHT = 225 degf.
Perforation zone 2793.5m to 2797m MDKB appears to be the main source of production.

Crew : Jake Annear & Chris Shiells day's.
Andy Hall & Peter Lawrence night's.

RUN 1	
SERVICE ORDER #:	AusI07328225
PROGRAM VERSION:	14C0-302
FLUID LEVEL:	480 m

LOGGED INTERVAL	START	STOP
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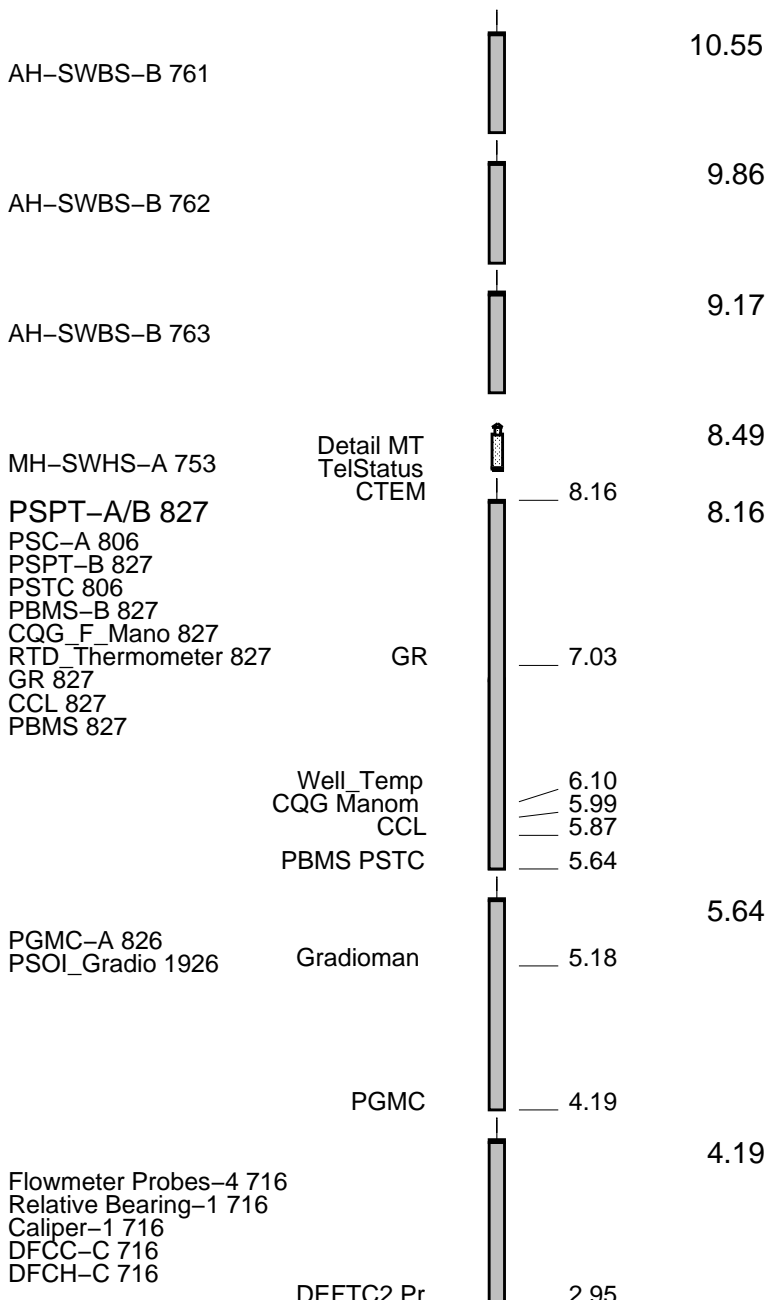
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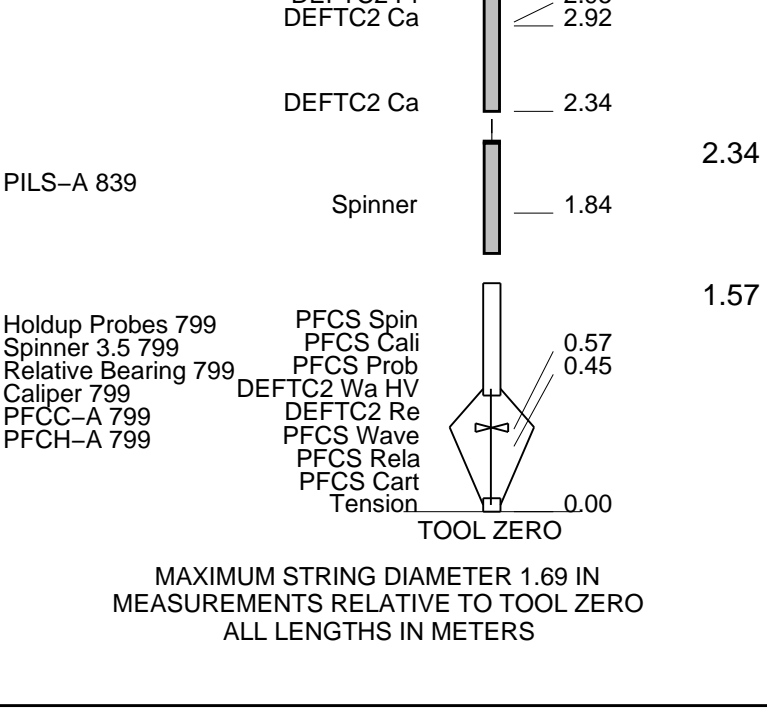
RUN 1

SURFACE EQUIPMENT

WITM-A 1
PSC_16MHZ 806

DOWNHOLE EQUIPMENT





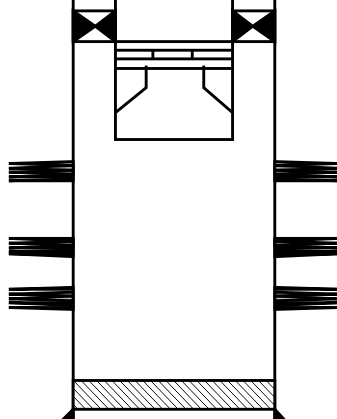
Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger	4.500	4.500	11.8		12.0 12.0	7.625 10.750	7.625	Casing String Liner Hanger
Shutin Valve	4.500		458.0		605.0	10.750		Casing Shoe
Gas Lift Mandrel	4.500		876.0					
Gas Lift Mandrel	4.500		1352.0					
Gas Lift Mandrel	4.500		1406.0					
Gas Lift Mandrel	4.500		1517.0					
Gas Lift Mandrel	4.500							

Packer
Nipple
Bell Nipple Guide

7.625
4.500
4.500

4.500

2750.0
2755.0
2755.5



2793.5

Perforation Zone

2810.5

Perforation Zone

2813.0

Perforation Zone

2845.0
2873.0

7.625

PBDT
Casing Shoe

Schlumberger

Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
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Log Pass (down)	25-May-2007 6:34	001:37	-8.5 - 2828.4 FCS_ILS_DEFT_GMS_052LDP
Log Pass (up)	25-May-2007 8:11	000:07	2826.0 - 2761.5 FCS_ILS_DEFT_GMS_053LUP
Station Log	25-May-2007 8:22	003:35	2781.0 - 32.7 FCS_ILS_DEFT_GMS_054LTP
Log Pass (down)	25-May-2007 12:00	000:06	2765.3 - 2825.0 FCS_ILS_DEFT_GMS_055LDP
Log Pass (up)	25-May-2007 12:06	000:11	2825.0 - 2764.5 FCS_ILS_DEFT_GMS_056LUP
Log Pass (down)	25-May-2007 12:18	000:04	2763.6 - 2824.3 FCS_ILS_DEFT_GMS_057LDP
Log Pass (up)	25-May-2007 12:21	000:06	2824.3 - 2763.5 FCS_ILS_DEFT_GMS_058LUP
Log Pass (down)	25-May-2007 12:27	000:02	2763.6 - 2824.6 FCS_ILS_DEFT_GMS_059LDP
Log Pass (up)	25-May-2007 12:30	000:02	2824.9 - 2763.9 FCS_ILS_DEFT_GMS_060LUP
Log Pass (down)	25-May-2007 12:32	000:11	2763.9 - 2824.3 FCS_ILS_DEFT_GMS_061LDP
Station Log	25-May-2007 12:48	000:51	2781.0 - 7.7 FCS_ILS_DEFT_GMS_062LTP
Log Pass (up)	25-May-2007 13:44	001:31	2769.4 - -2.3 FCS_ILS_DEFT_GMS_063LUP



Flowing Multipass Spinners

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A-16

PLQL Data Manager Files

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

Company: Esso Australia Pty Ltd. Well: A-16

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_080PUP FN:72 PRODUCER 26-May-2007 05:47 2822.1 M 2757.1 M

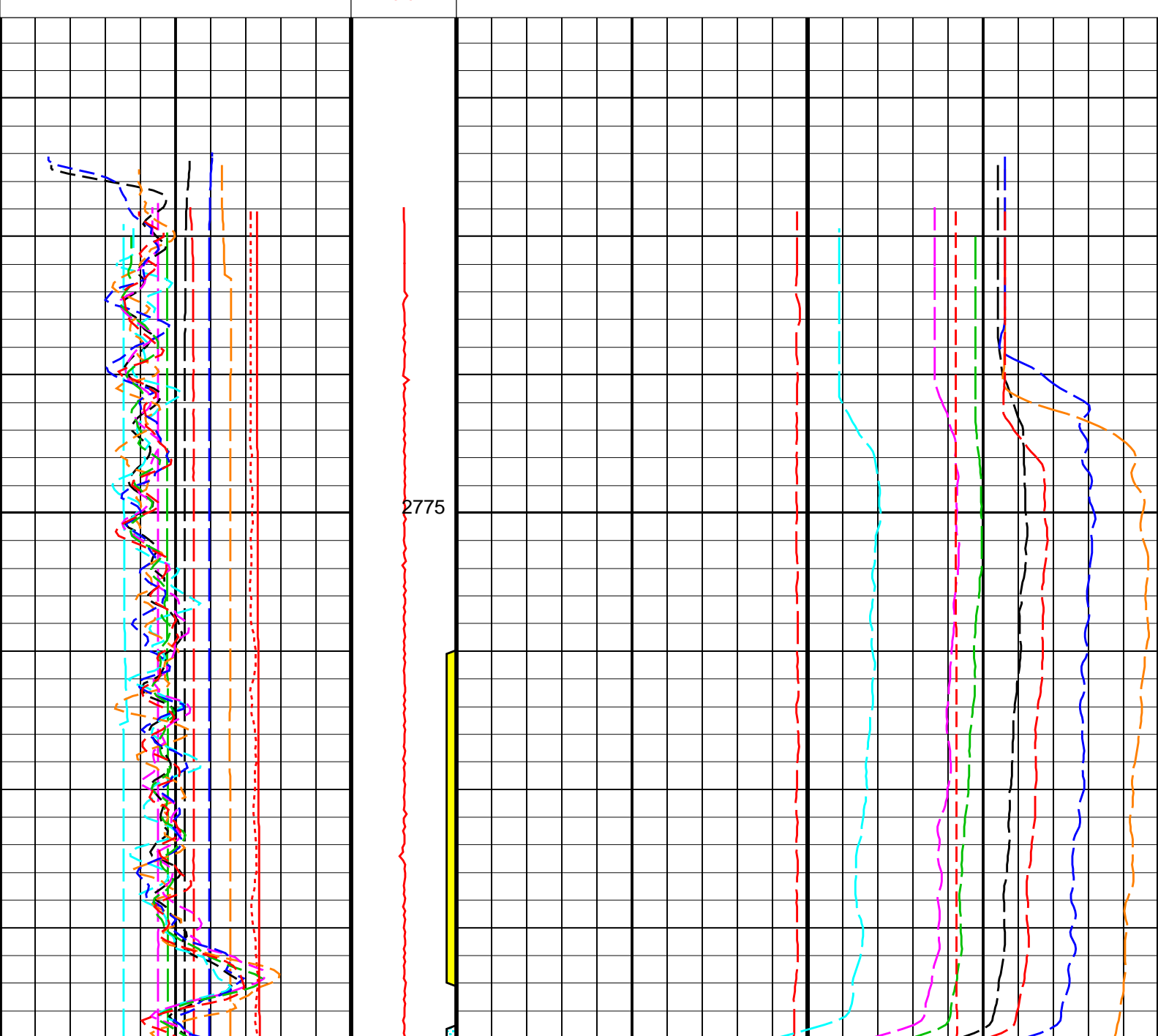
OP System Version: 14C0-302
MCM

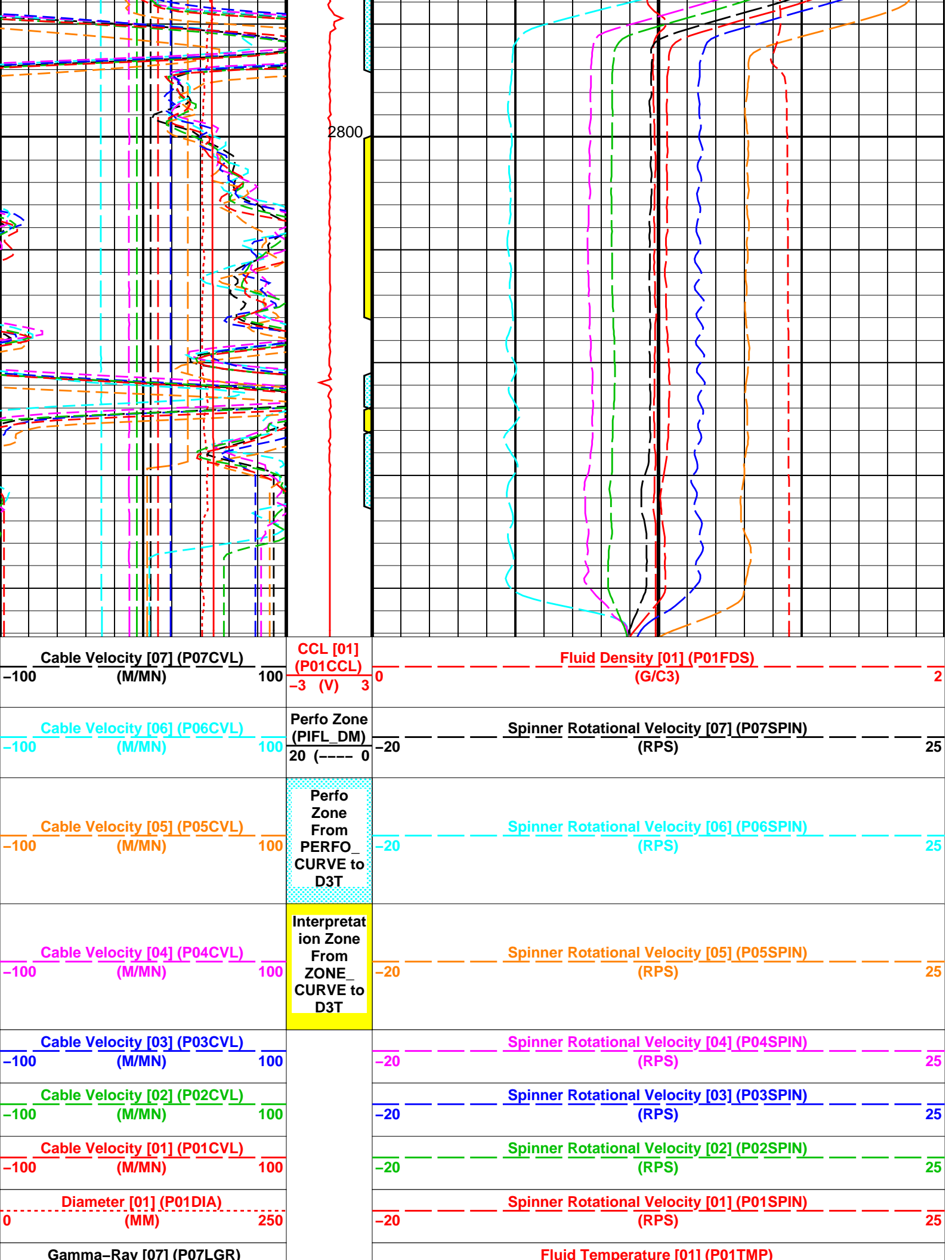
PFCS-A 14C0-302 PILS-A 14C0-302
DEFT-C2 14C0-302 PGM C-A/B 14C0-302
PSPT-A/B 14C0-302

Well Pressure [01] (P01LPR)		
0	(KPAA)	30000
Gamma-Ray [01] (P01LGR)		
0	(GAPI)	100
Gamma-Ray [02] (P02LGR)		
0	(GAPI)	100
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
Diameter [01] (P01DIA)		
0	(MM)	250
Cable Velocity [01] (P01CVL)		
-100	(M/MN)	100
Cable Velocity [02] (P02CVL)		
-100	(M/MN)	100
Cable Velocity [03] (P03CVL)		

Fluid Temperature [01] (P01TMP)		
60	(DEGC)	70
Spinner Rotational Velocity [01] (P01SPIN)		
-20	(RPS)	25
Spinner Rotational Velocity [02] (P02SPIN)		
-20	(RPS)	25
Spinner Rotational Velocity [03] (P03SPIN)		
-20	(RPS)	25
Spinner Rotational Velocity [04] (P04SPIN)		

-100	(M/MN)	100	-20	(RPS)	25
-100	Cable Velocity [04] (P04CVL) (M/MN)	100	-20	Spinner Rotational Velocity [05] (P05SPIN) (RPS)	25
-100	Cable Velocity [05] (P05CVL) (M/MN)	100	-20	Spinner Rotational Velocity [06] (P06SPIN) (RPS)	25
-100	Cable Velocity [06] (P06CVL) (M/MN)	100	-20	Spinner Rotational Velocity [07] (P07SPIN) (RPS)	25
-100	Cable Velocity [07] (P07CVL) (M/MN)	100	-3	Fluid Density [01] (P01FDS) (G/C3)	2





0	(GAPI)	100	60	(DEGC)	70
0	Gamma-Ray [06] (P06LGR) (GAPI)	100			
0	Gamma-Ray [05] (P05LGR) (GAPI)	100			
0	Gamma-Ray [04] (P04LGR) (GAPI)	100			
0	Gamma-Ray [03] (P03LGR) (GAPI)	100			
0	Gamma-Ray [02] (P02LGR) (GAPI)	100			
0	Gamma-Ray [01] (P01LGR) (GAPI)	100			
0	Well Pressure [01] (P01LPR) (KPAA)	30000			

Parameters

DLIS Name	Description	Value
CSID	PFCS-A: PSP Flow and caliper Tool Casing Size I.D.	6.875 IN
CSID	DEFT-C2: DEFT_C Tool Casing Size I.D.	6.875 IN
CSID	PGMC-A/B: PSP Gradiomanometer Measurement Module Casing Size I.D.	6.875 IN
CSID	PSPT-A/B: Production Services Logging Platform Casing Size I.D.	6.875 IN
CSID	BORDYN: BorDyn (Well Test Validation) Casing Size I.D.	6.875 IN
CSID	PLQL: Production Logging Quick Look Casing Size I.D.	6.875 IN
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: 26-May-2007 05:47

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_080PUP FN:72 PRODUCER 26-May-2007 05:47

Schlumberger

Flowing Pass # 6
Up @ 5900 ft/hr

MAXIS Field Log

Input DLIS Files

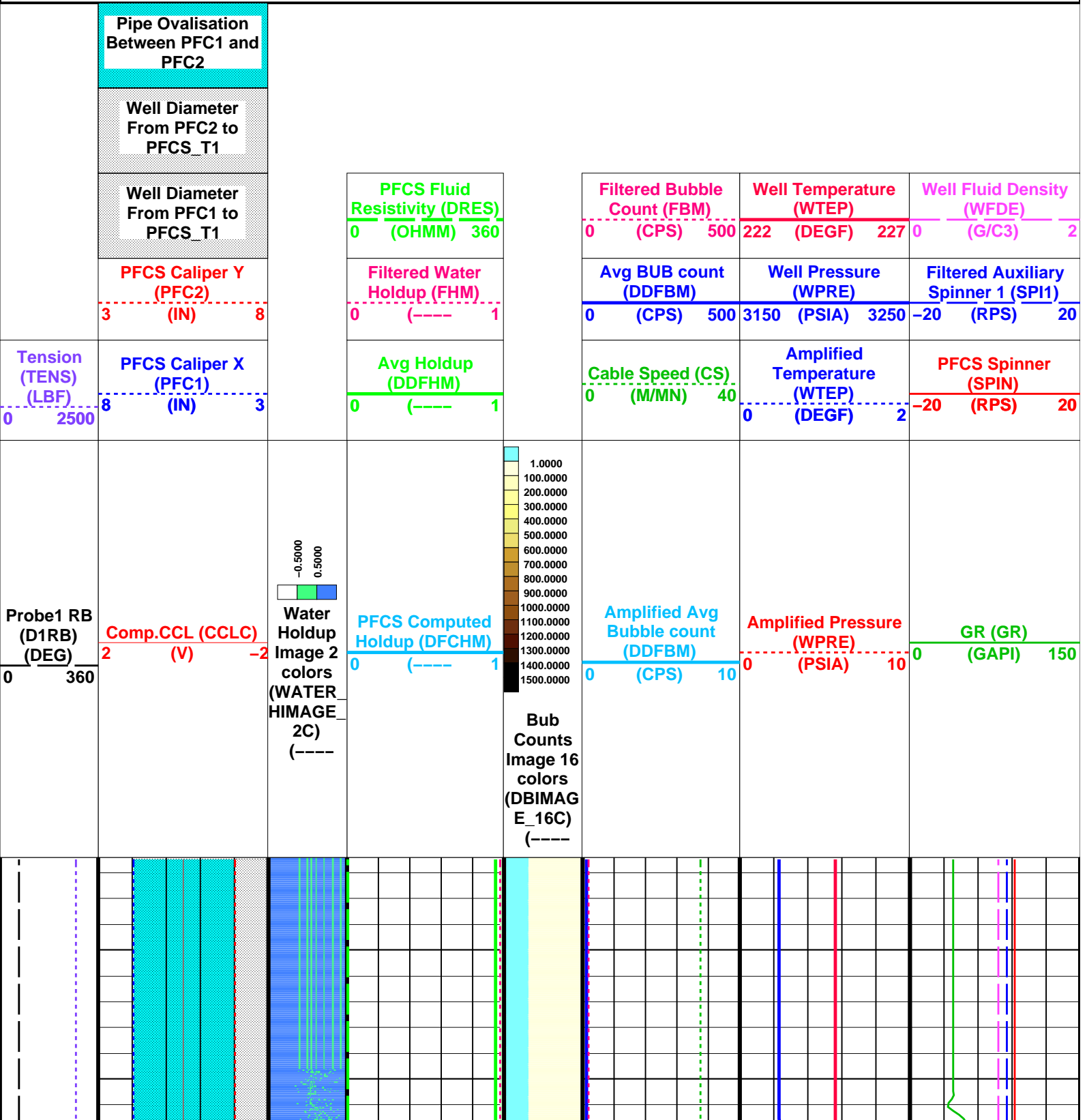
DEFAULT FCS_ILS_DEFT_GMS_060LUP FN:56 PRODUCER 25-May-2007 12:30 2824.9 M 2763.9 M

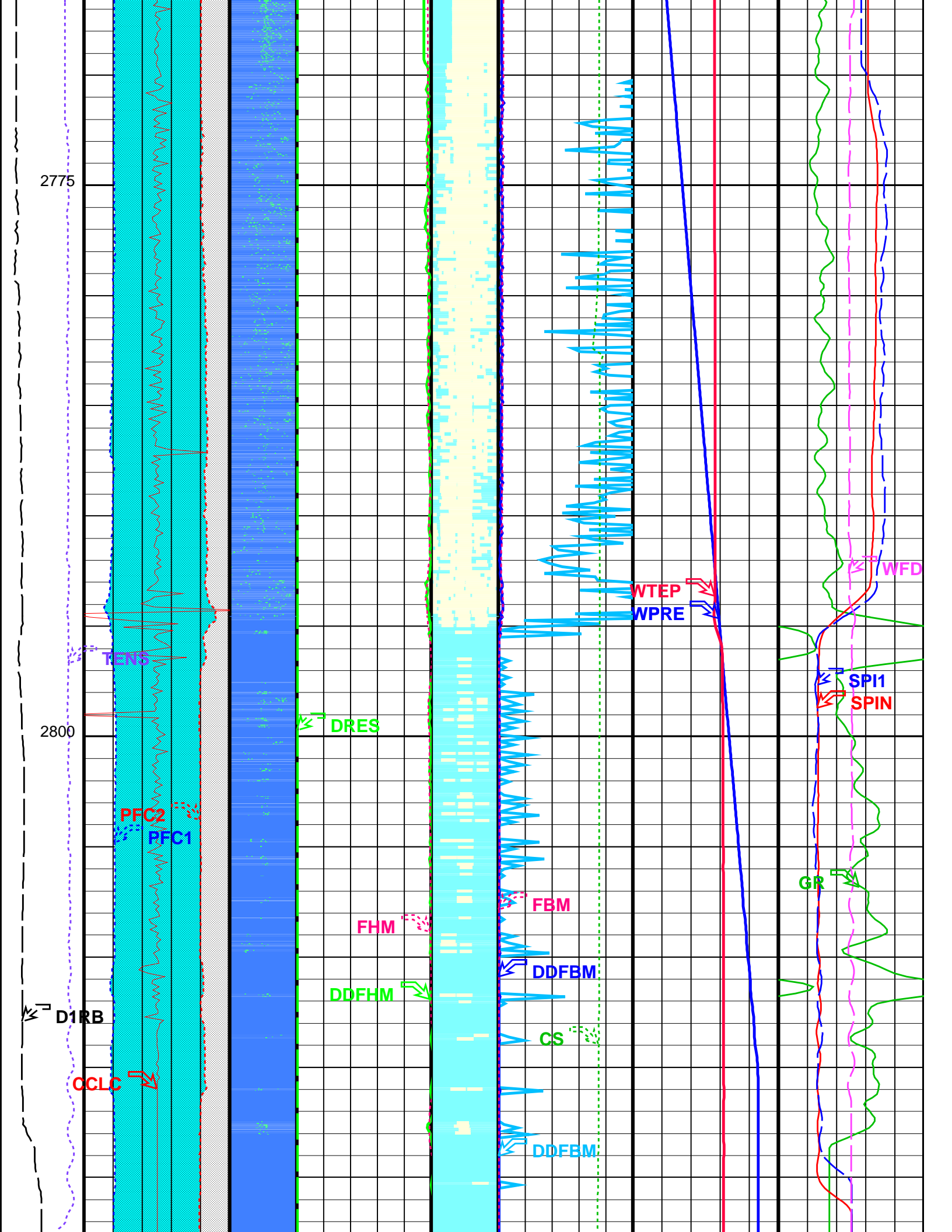
Output DLIS Files

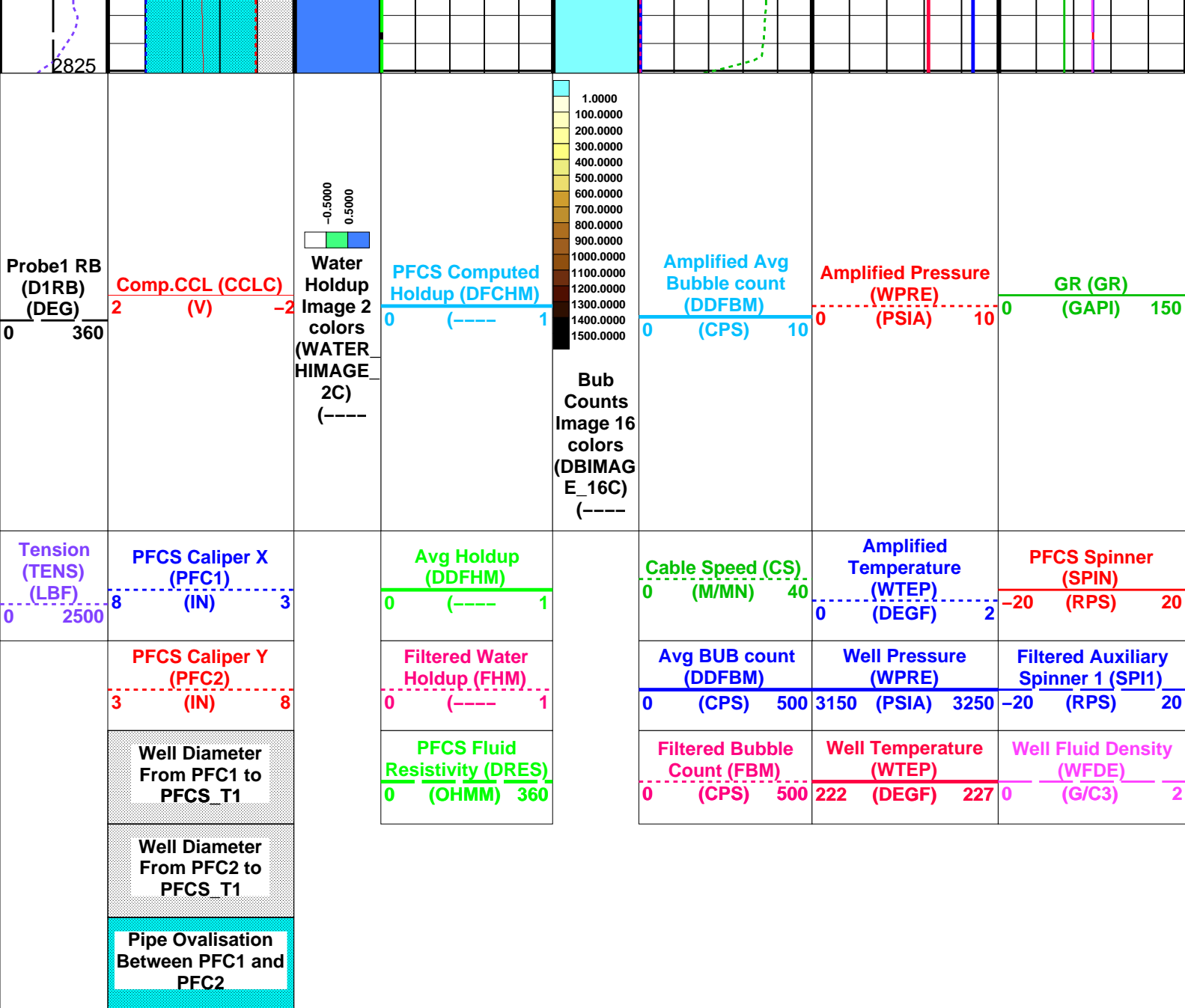
DEFAULT FCS_ILS_DEFT_GMS_073PUP FN:65 PRODUCER 25-May-2007 17:07 2825.0 M 2756.3 M

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







Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 25-May-2007 17:07

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
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		
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	0.2	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_060LUP	FN:56	PRODUCER	25-May-2007 12:30	2824.9 M	2763.9 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_073PUP	FN:65	PRODUCER	25-May-2007 17:07
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Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_060LUP	FN:56	PRODUCER	25-May-2007 12:30	2824.9 M	2763.9 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_073PUP	FN:65	PRODUCER	25-May-2007 17:07	2825.0 M	2756.3 M
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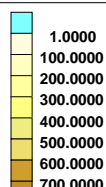
OP System Version: 14C0-302

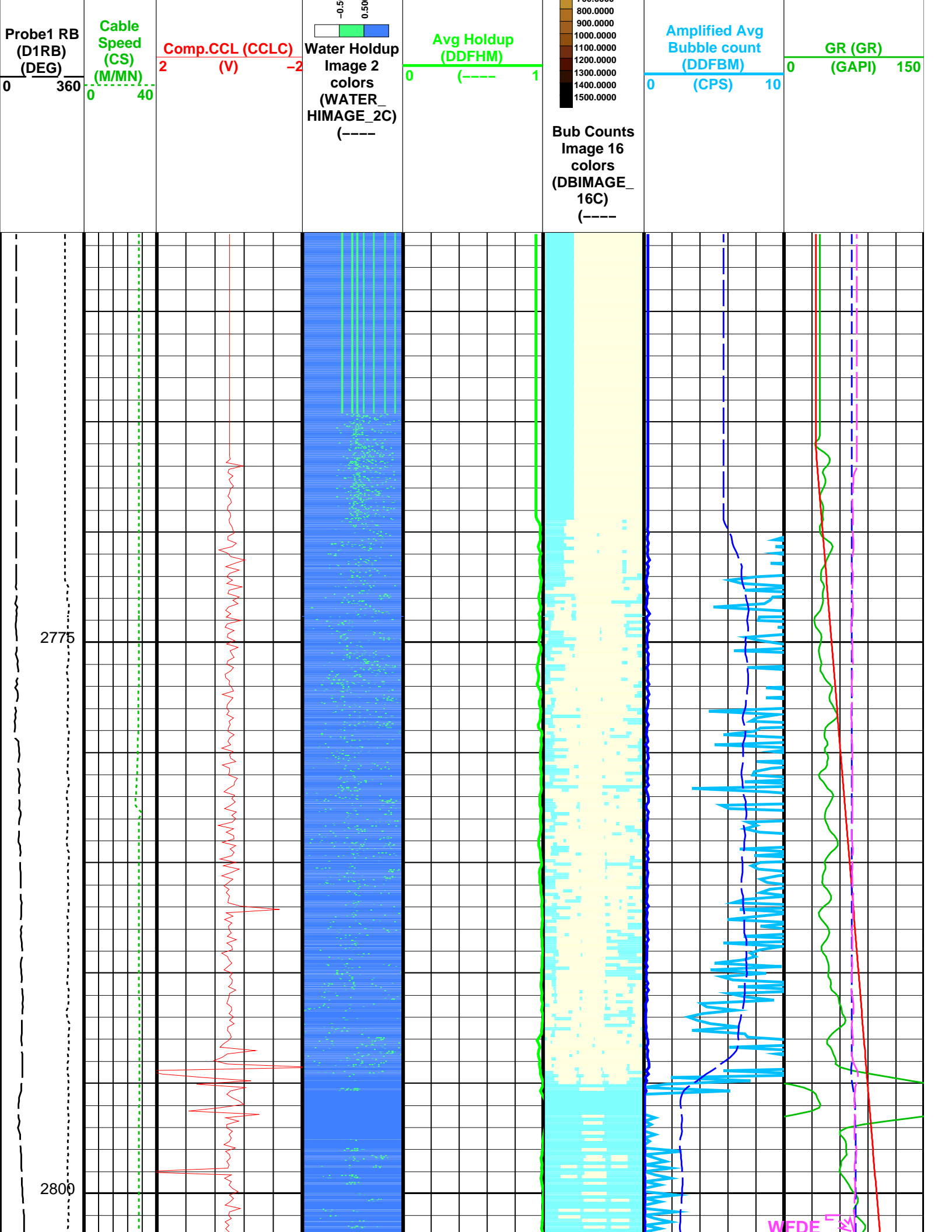
MCM

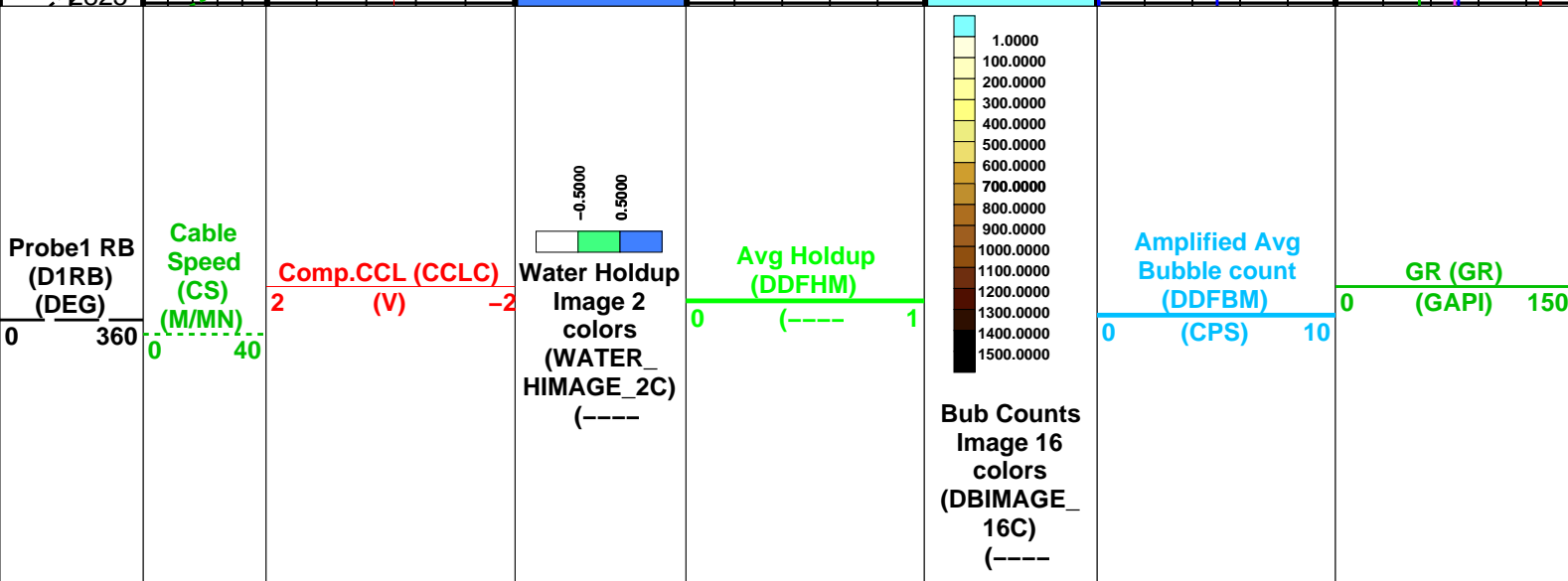
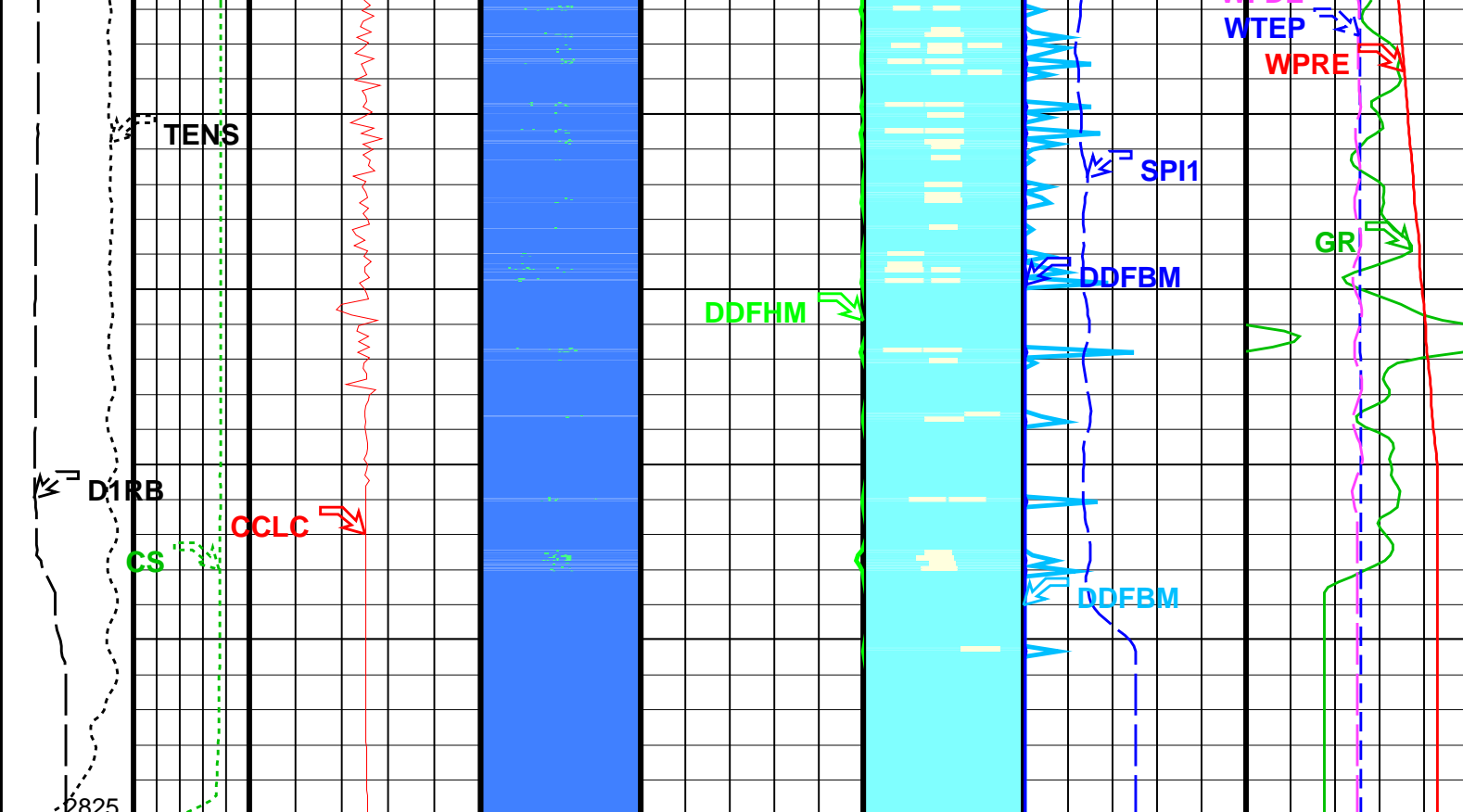
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

		Well Fluid Density (WFDE)	
		0	2
		(G/C3)	
		Filtered Auxiliary Spinner 1 (SPI1)	Well Temperature (WTEP)
		-20 (RPS) 20	220 (DEGF) 230
		Avg BUB count (DDFBM)	Well Pressure (WPRE)
		0 (CPS) 500	3150 (PSIA) 3250

Tension (TENS) (LBF)
0 2500







Tension (TENS) (LBF) 0 2500	Avg BUB count (DDFBM) 0 (CPS) 500		Well Pressure (WPRE) 3150 (PSIA) 3250	
	Filtered Auxiliary Spinner 1 (SPI1) -20 (RPS) 20		Well Temperature (WTEP) (DEGF) 220 230	
			Well Fluid Density (WFDE) (G/C3) 0 2	

Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 25-May-2007 17:07

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		

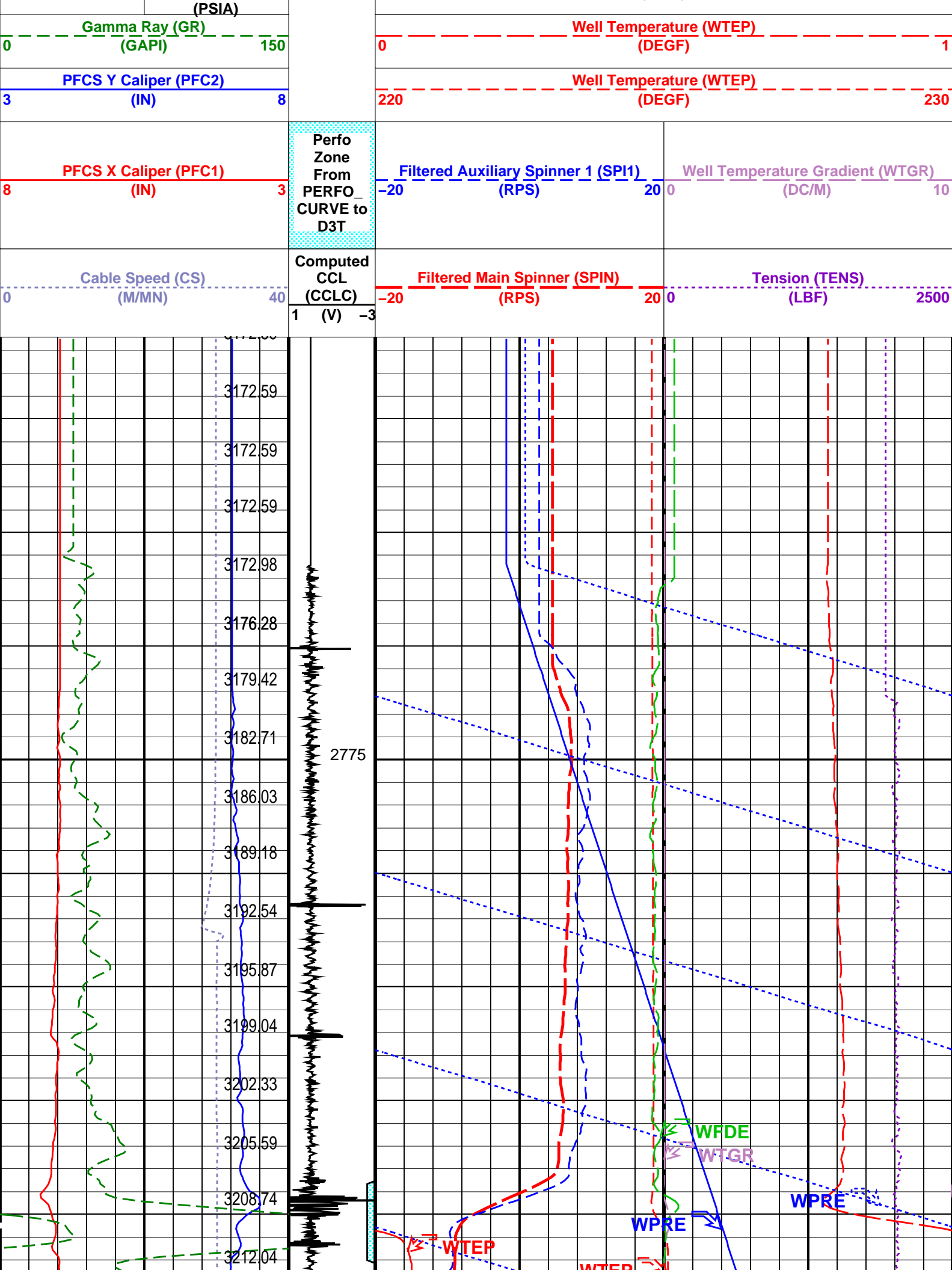
DLIS Name		Description	Parameters				Value
PFCS–A: PSP Flow and caliper Tool							
AMOD		Spinner Filter Averaging Mode			LINEAR_AVERAGE		
CSID		Casing Size I.D.			6.875	IN	
DDRC		Dual DEFT DELTA RB COMPUTATION			D1RB2–D1RB		
DDRS		Dual DEFT RB Source			D1RB		
DFBD		DEFT Blank Disallowed Probes			NO		
DFFI		DEFT Flip Image			NO		
DFII		DEFT Image Interpolation			YES		
DFIRS		DEFT Image Rotation Selection			TOP_MIDDLE		
DFPP		Probes Arm Position			A		
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			0.2	M	
PP		Playback Processing			NORMAL		

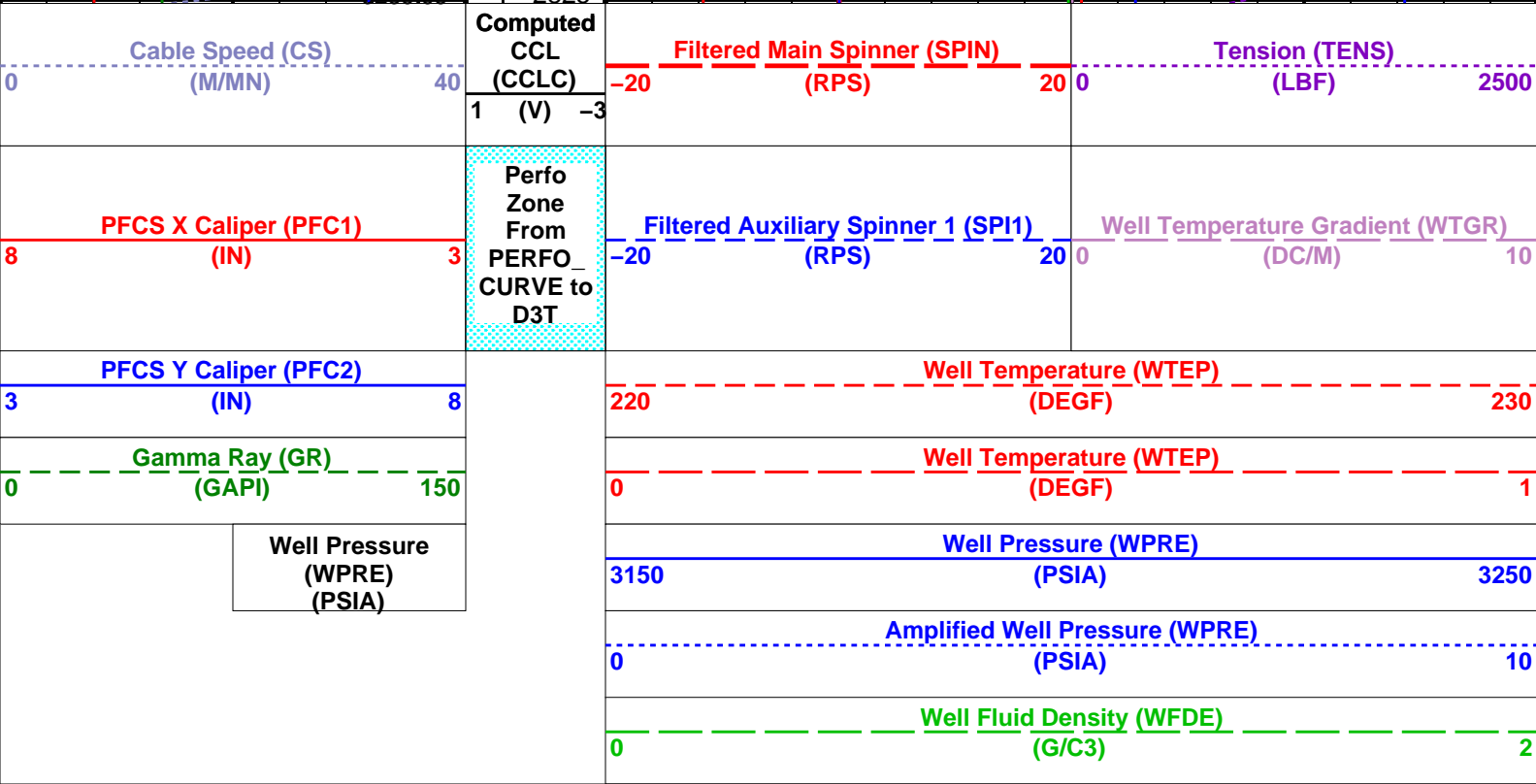
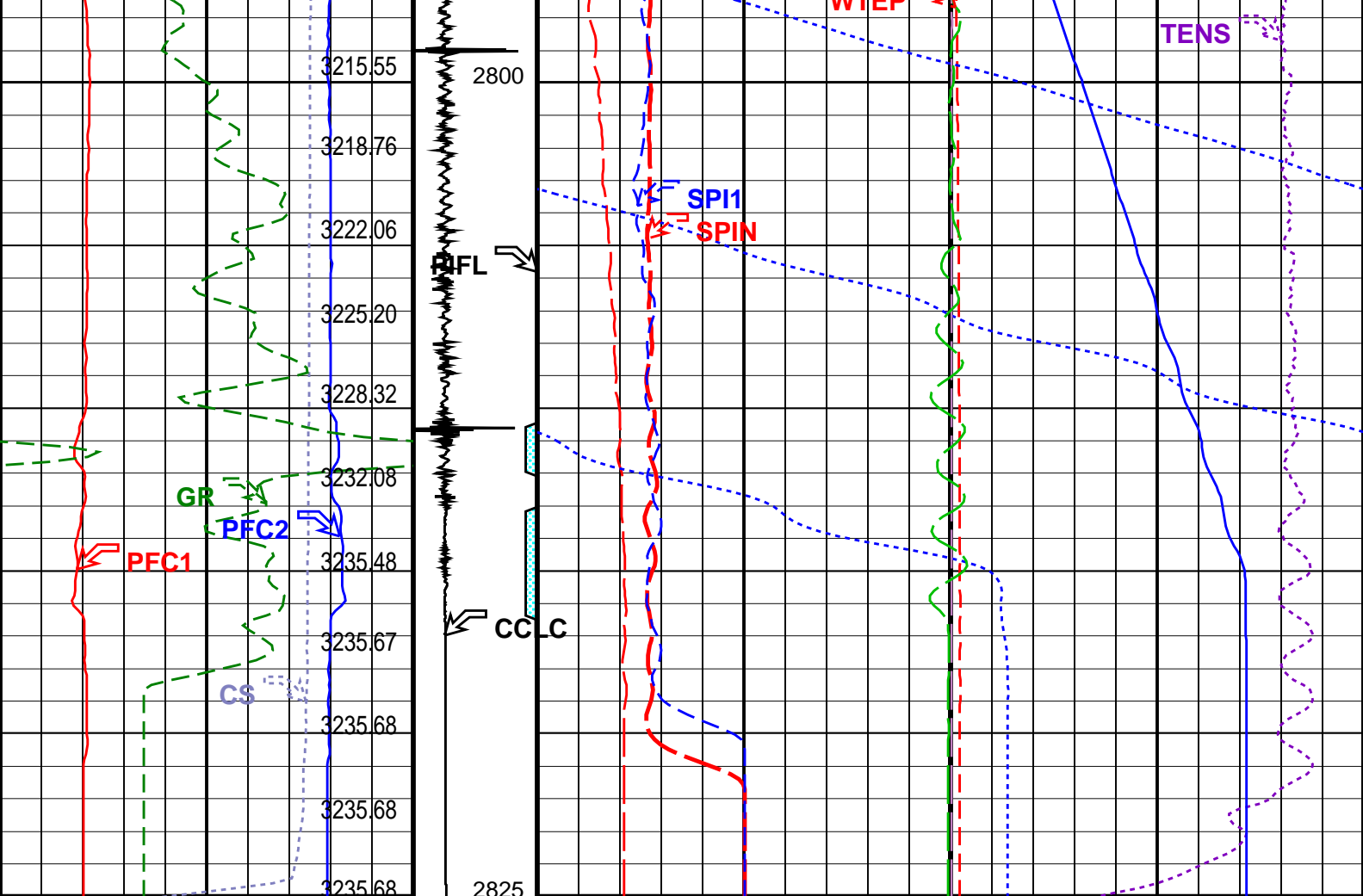
Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_060LUP	FN:56	PRODUCER	25–May–2007 12:30	2824.9 M	2763.9 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_073PUP	FN:65	PRODUCER	25–May–2007 17:07		

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_060LUP	FN:56	PRODUCER	25–May–2007 12:30	2824.9 M	2763.9 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_073PUP	FN:65	PRODUCER	25–May–2007 17:07	2825.0 M	2756.3 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 Pressure (WPRE)	Well Fluid Density (WFDE)		
	0	(G/C3)	2
	Amplified Well Pressure (WPRE)		
	0	(PSIA)	10
	Well Pressure (WPRE)		
	3150	(PSIA)	3250






Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 25-May-2007 17:07

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	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPD	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	0.2	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_060LUP	FN:56	PRODUCER	25-May-2007 12:30	2824.9 M	2763.9 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_073PUP	FN:65	PRODUCER	25-May-2007 17:07		



Flowing Pass # 5
Down @ 5900 ft/hr

MAXIS Field Log

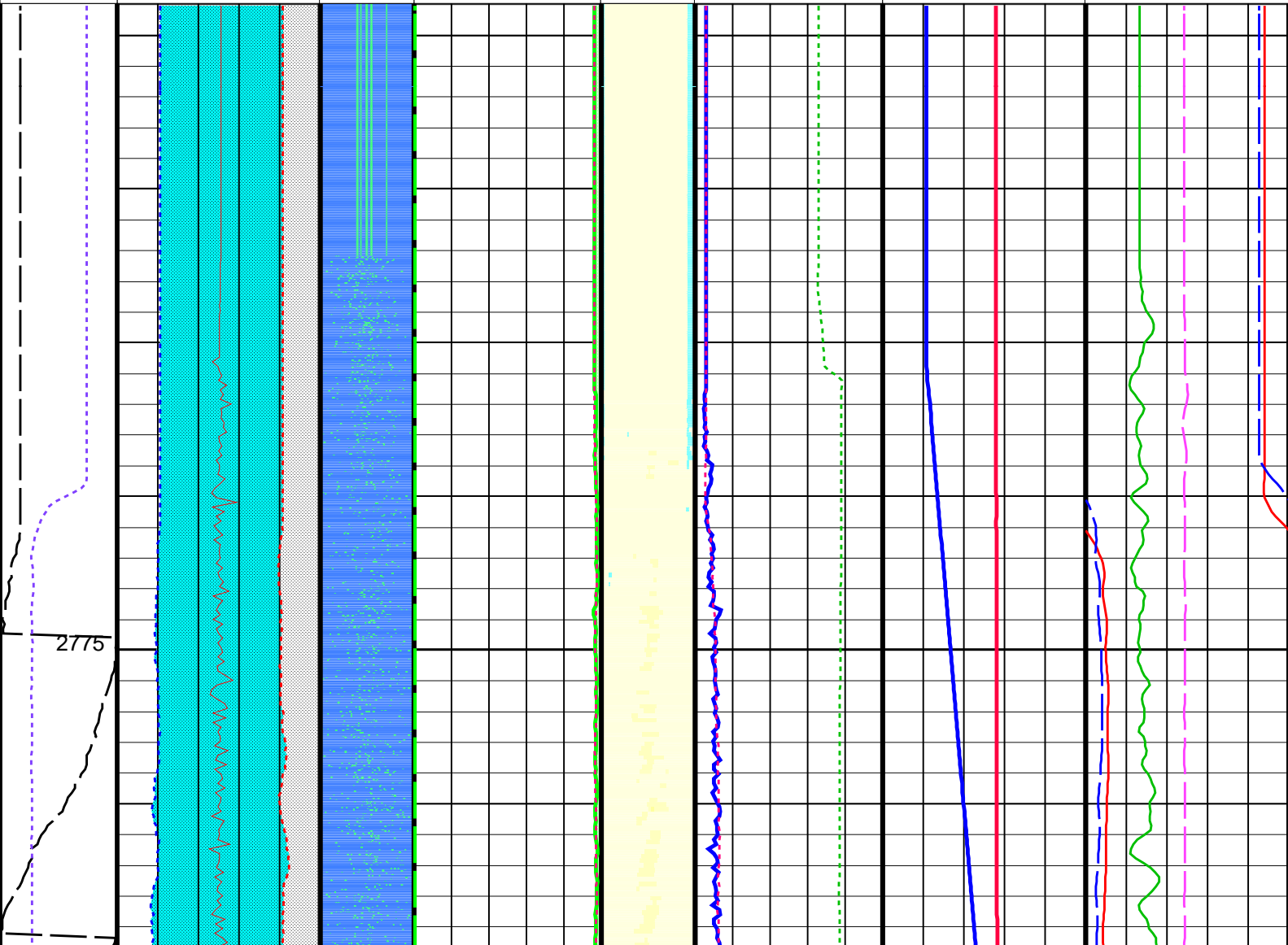
Input DLIS Files						
DEFAULT	Flip_FCS_ILS_DEFT_066LUP		PRODUCER	25-May-2007 16:53	2824.6 M	2763.6 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_072PUP	FN:64	PRODUCER	25-May-2007 17:05	2822.6 M	2753.9 M

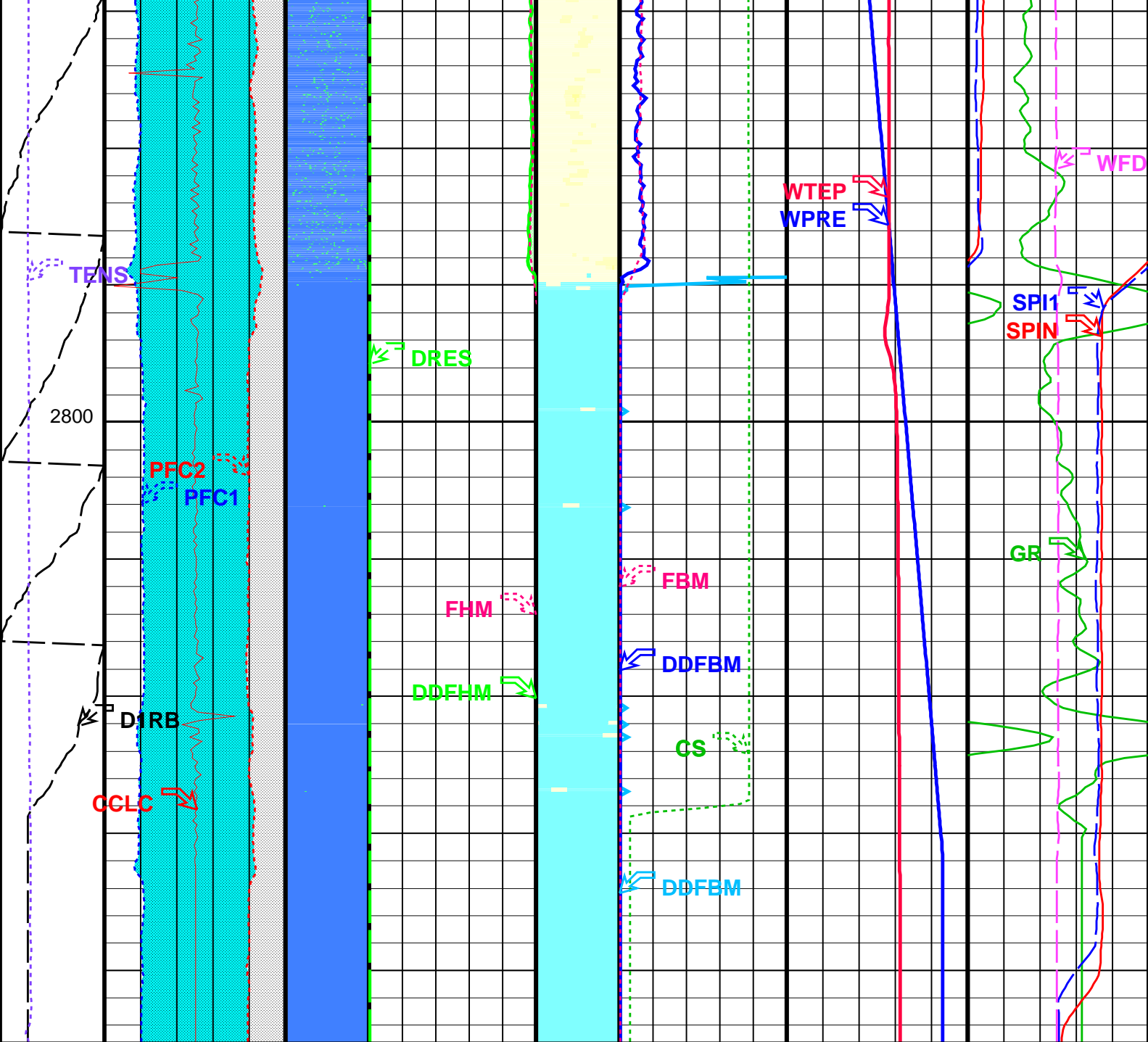
OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

	Pipe Ovalisation Between PFC1 and PFC2				
	Well Diameter From PFC2 to PFCS_T1				
	Well Diameter	PFCS Fluid Resistivity (RFE)	Filtered Bubble Count (FBC)	Well Temperature (WTEMP)	Well Fluid Density (WDFD)

From PFC1 to PFCs_T1		Resistivity (DRES) 0 (OHMM) 360	Count (FBM) 0 (CPS) 500	(WTEP) 222 (DEGF) 227	(WFDE) 0 (G/C3) 2
PFCs Caliper Y (PFC2) 3 (IN) 8		Filtered Water Holdup (FHM) 0 (----) 1	Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 3150 (PSIA) 3250	Filtered Auxiliary Spinner 1 (SPI1) -20 (RPS) 20
Tension (TENS) (LBF) 0 2500	PFCs Caliper X (PFC1) 8 (IN) 3	Avg Holdup (DDFHM) 0 (----) 1	Cable Speed (CS) 0 (M/MN) 40	Amplified Temperature (WTEP) 0 (DEGF) 2	PFCs Spinner (SPIN) -20 (RPS) 20

Probe1 RB (D1RB) (DEG) 0 360	Comp.CCL (CCLC) 2 (V) -2	Water Holdup Image 2 colors (WATER HIMAGE 2C) (----)	PFCs Computed Holdup (DFCHM) 0 (----) 1	Amplified Avg Bubble count (DDFBM) 0 (CPS) 10	Amplified Pressure (WPRE) 0 (PSIA) 10	GR (GR) (GAPI) 0 150
<div> <div> <div>1.0000</div> <div>100.0000</div> <div>200.0000</div> <div>300.0000</div> <div>400.0000</div> <div>500.0000</div> <div>600.0000</div> <div>700.0000</div> <div>800.0000</div> <div>900.0000</div> <div>1000.0000</div> <div>1100.0000</div> <div>1200.0000</div> <div>1300.0000</div> <div>1400.0000</div> <div>1500.0000</div> </div> <div> <div>Bub Counts Image 16 colors (DBIMAG E_16C) (----)</div> </div> </div>						





Probe1 RB (D1RB) (DEG) 0360	Comp.CCL (CCLC) (V) -22	Water Holdup Image 2 colors (WATER HIMAGE 2C) (----) -0.50000.5000	PFCs Computed Holdup (DFCHM) (----) 01	Amplified Avg Bubble count (DDFBM) (CPS) 010	Amplified Pressure (WPRE) (PSIA) 010	GR (GR) (GAPI) 0150
Tension (TENS)	PFCs Caliper X (PFC1)		Avg Holdup (DDFHM)	Cable Speed (CS)	Amplified Temperature	PFCs Spinner (SPIN)

(LBF) 0 2500	(PFC1) 8 (IN) 3	(DDFTM) 0 (----) 1	(M/MN) 40	(WTEP) 0 (DEGF) 2	(SPIN) -20 (RPS) 20
	PFC5 Caliper Y (PFC2) 3 (IN) 8	Filtered Water Holdup (FHM) 0 (----) 1	Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 3150 (PSIA) 3250	Filtered Auxiliary Spinner 1 (SPI1) -20 (RPS) 20
	Well Diameter From PFC1 to PFC5_T1	PFC5 Fluid Resistivity (DRES) 0 (OHMM) 360	Filtered Bubble Count (FBM) 0 (CPS) 500	Well Temperature (WTEP) 222 (DEGF) 227	Well Fluid Density (WFDE) 0 (G/C3) 2
	Well Diameter From PFC2 to PFC5_T1				
	Pipe Ovalisation Between PFC1 and PFC2				

Format: PFC5_Image_DL Vertical Scale: 1:200 Graphics File Created: 25-May-2007 17:05

OP System Version: 14C0-302

MCM

PFC5-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

Parameters

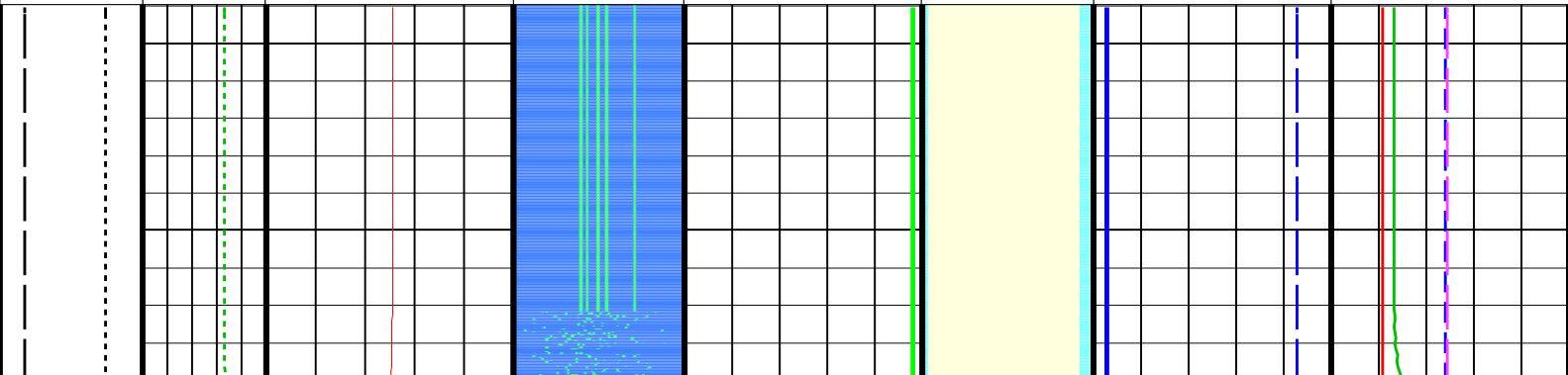
DLIS Name	Description	Value
PFC5-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	A
PFGC	PFC5 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	PFC5-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	PFC5-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	PFC5 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	-2.0 M

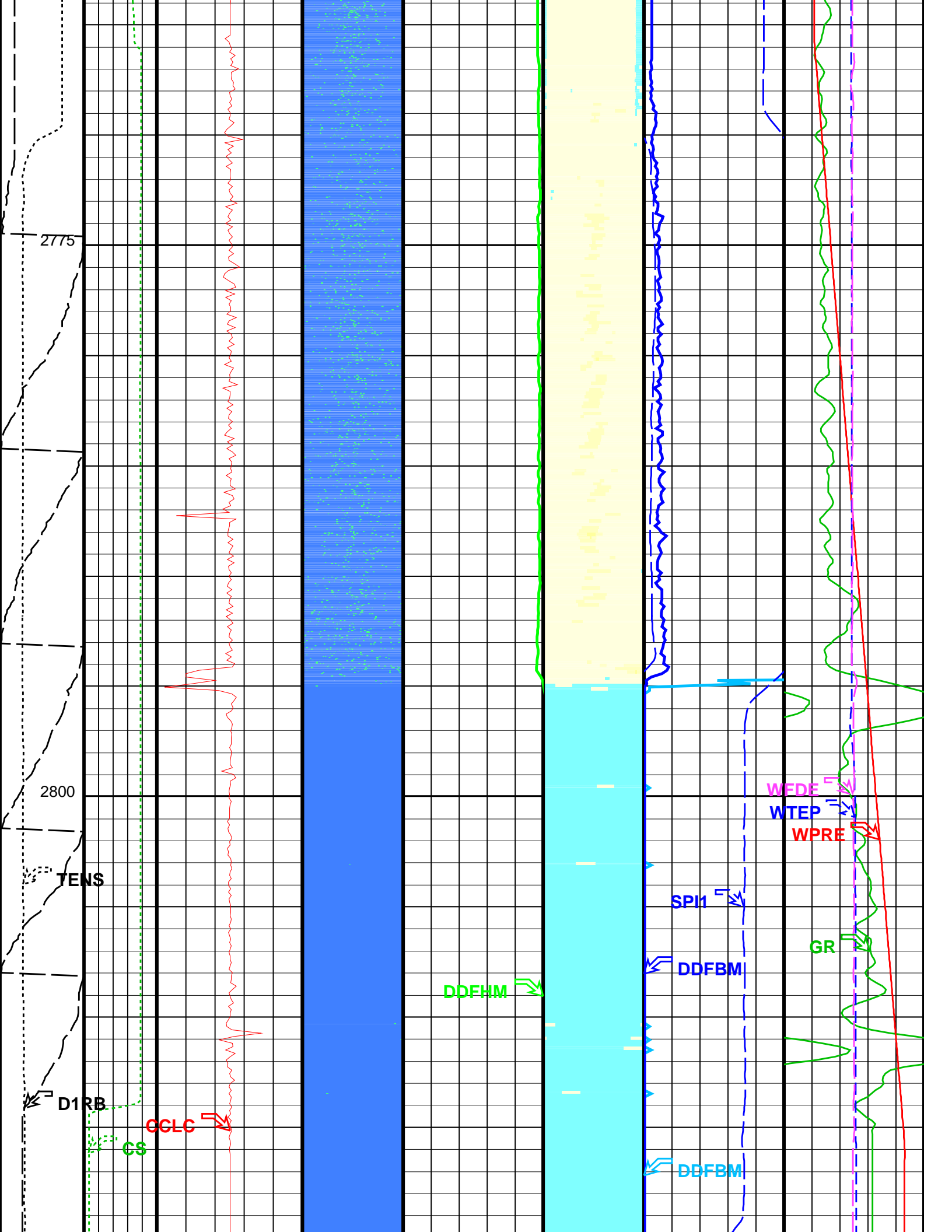
PP	Playback Processing				NORMAL	
Input DLIS Files						
DEFAULT	Flip_FCS_ILS_DEFT_066LUP	PRODUCER	25-May-2007 16:53	2824.6 M	2763.6 M	
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_072PUP	FN:64	PRODUCER	25-May-2007 17:05		

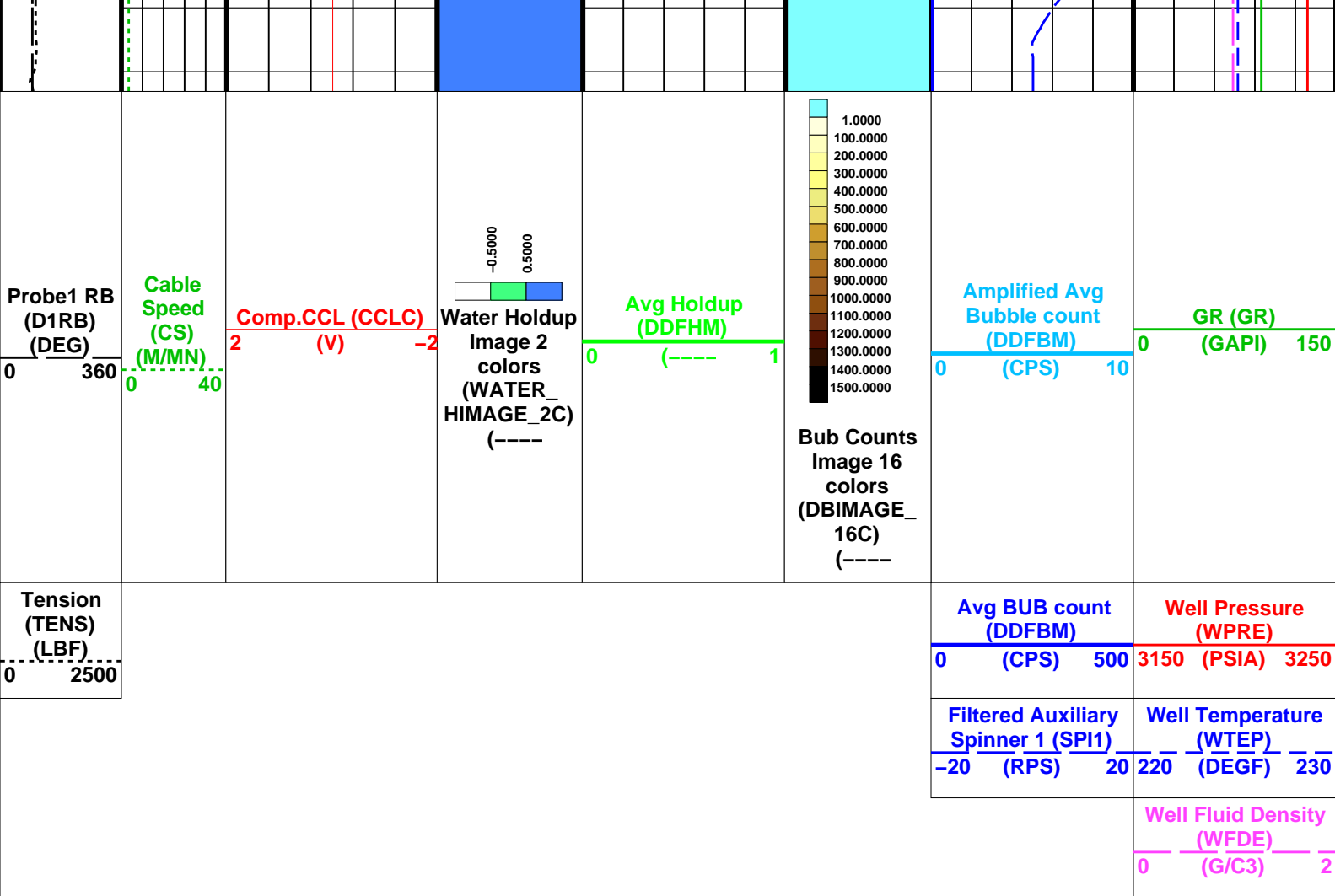
Input DLIS Files						
DEFAULT	Flip_FCS_ILS_DEFT_066LUP		PRODUCER	25-May-2007 16:53	2824.6 M	2763.6 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_072PUP	FN:64	PRODUCER	25-May-2007 17:05	2822.6 M	2753.9 M

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 Fluid Density (WFDE) 0 (G/C3) 2	
						Filtered Auxiliary Spinner 1 (SPI1) -20 (RPS) 20	Well Temperature (WTEP) 220 (DEGF) 230
Tension (TENS) (LBF) 0 2500						Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 3150 (PSIA) 3250
Probe1 RB (D1RB) (DEG) 0 360	Cable Speed (CS) (M/MN) 0 40	Comp.CCL (CCLC) (V) 2 -2	Water Holdup Image 2 colors (WATER_ HIMAGE_2C) (---- -0.5000 0.5000	Avg Holdup (DDFHM) 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	GR (GR) (GAPI) 0 150







Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 25-May-2007 17:05

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
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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
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
CSRC	Gradio Surf Cal Diff Pres Gain	1

GCPO	Gradio Surf. Cal Diff. Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
CSID	PSPT-A/B: Production Services Logging Platform		
GDEV	Casing Size I.D.	6.875	IN
	Average Angular Deviation of Borehole from Normal	35	DEG
CSID	BORDYN: BorDyn (Well Test Validation)		
	Casing Size I.D.	6.875	IN
DO	System and Miscellaneous		
PP	Depth Offset for Playback	-2.0	M
	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT Flip_FCS_ILS_DEFT_066LUP PRODUCER 25-May-2007 16:53 2824.6 M 2763.6 M

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_072PUP FN:64 PRODUCER 25-May-2007 17:05

Input DLIS Files

DEFAULT Flip_FCS_ILS_DEFT_066LUP PRODUCER 25-May-2007 16:53 2824.6 M 2763.6 M

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_072PUP FN:64 PRODUCER 25-May-2007 17:05 2822.6 M 2753.9 M

OP System Version: 14C0-302

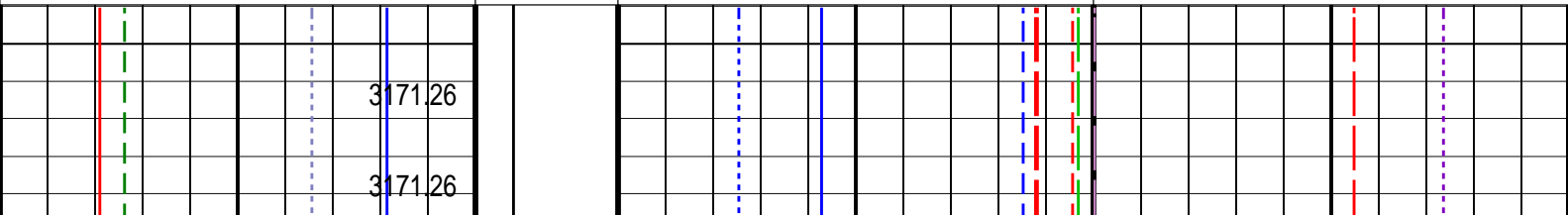
MCM

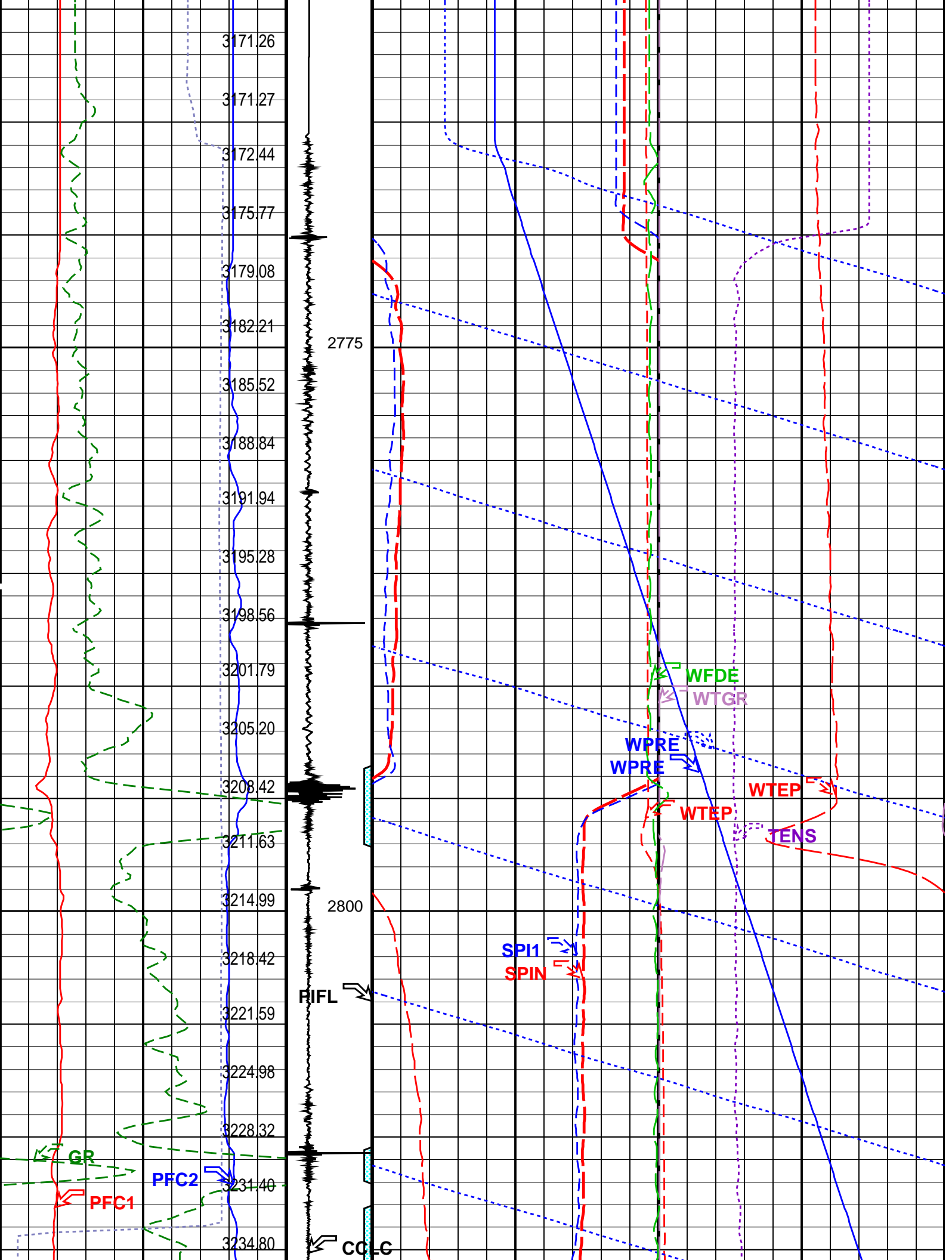
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

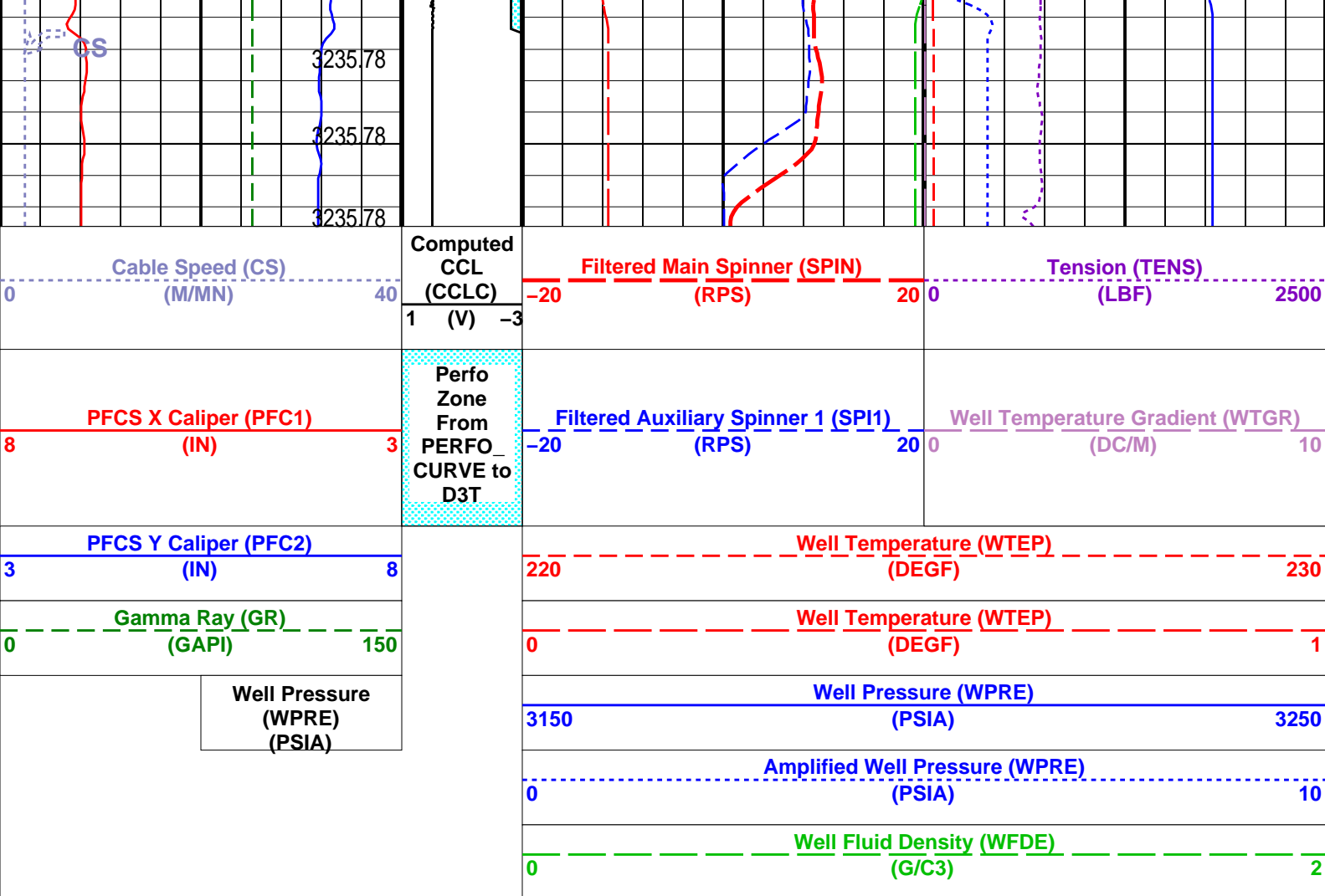
PIP SUMMARY

Time Mark Every 60 S

<div>Well Pressure (WPRE) (PSIA)</div> <div>Gamma Ray (GR) (GAPI)</div> <div>PFCS Y Caliper (PFC2) (IN)</div>		Well Fluid Density (WFDE) (G/C3)	
		Amplified Well Pressure (WPRE) (PSIA)	
		Well Pressure (WPRE) (PSIA)	
		Well Temperature (WTEP) (DEGF)	
PFCS X Caliper (PFC1) (IN)		Well Temperature (WTEP) (DEGF)	
<div>Perfo Zone From PERFO CURVE to D3T</div> <div>Computed CCL (CCLC) (V)</div>		Filtered Auxiliary Spinner 1 (SPI1) (RPS)	
		Well Temperature Gradient (WTGR) (DC/M)	
Cable Speed (CS) (M/MN)		Filtered Main Spinner (SPIN) (RPS)	
		Tension (TENS) (LBF)	







PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200

Graphics File Created: 25-May-2007 17:05

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	
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	-2.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT Flip FCS IL S DEFT 066 LUP PRODUCER 25 May 2007 16:53 2824.6 M 2762.6 M

Schlumberger

Flowing Pass # 4
Up @ 1970 ft/hr

MAXIS Field Log

Input DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_058LUP FN:54 PRODUCER 25-May-2007 12:21 2824.3 M 2763.5 M

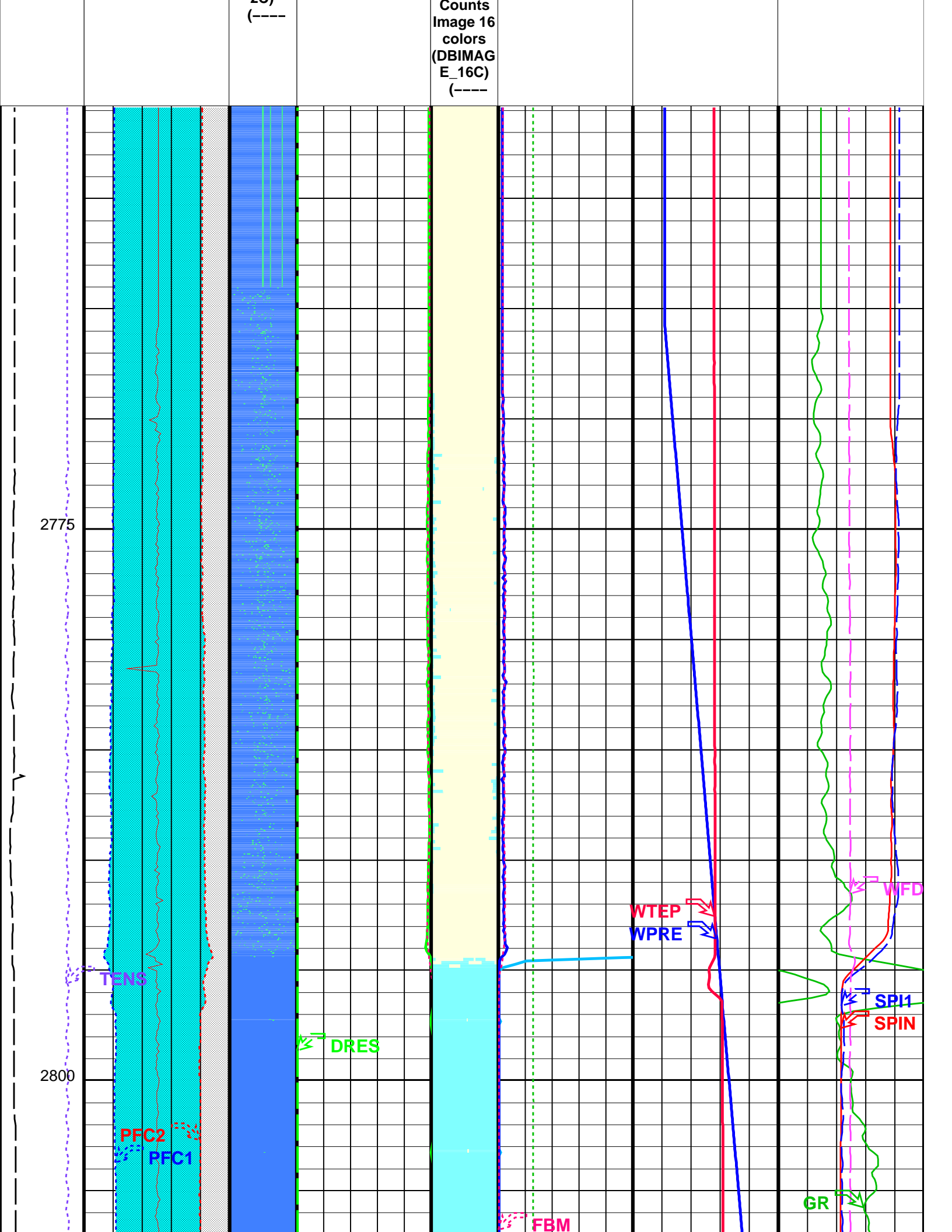
Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_071PUP FN:63 PRODUCER 25-May-2007 17:03 2824.3 M 2755.7 M

OP System Version: 14C0-302
MCM

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

Pipe Ovalisation Between PFC1 and PFC2					
Well Diameter From PFC2 to PFC5_T1					
Well Diameter From PFC1 to PFC5_T1					
PFCS Caliper Y (PFC2)		PFCS Fluid Resistivity (DRES) 0 (OHMM) 360		Filtered Bubble Count (FBM) 0 (CPS) 500	
3 (IN) 8		Filtered Water Holdup (FHM) 0 (----) 1		Well Temperature (WTEP) 222 (DEGF) 227	
Tension (TENS) (LBF)		Avg Holdup (DDFHM) 0 (----) 1		Well Pressure (WPRE) 3150 (PSIA) 3250	
0 2500				Cable Speed (CS) 0 (M/MN) 40	
PFCS Caliper X (PFC1)				Amplified Temperature (WTEP) (DEGF)	
8 (IN) 3				0 2	
Probe1 RB (D1RB) (DEG)		PFCS Computed Holdup (DFCHM) 0 (----) 1		Amplified Avg Bubble count (DDFBM) 0 (CPS) 10	
0 360				Amplified Pressure (WPRE) (PSIA)	
Comp.CCL (CCLC) 2 (V) -2				0 10	
Water Holdup Image 2 colors (WATER HIMAGE 2C)				GR (GR) (GAPI) 150	

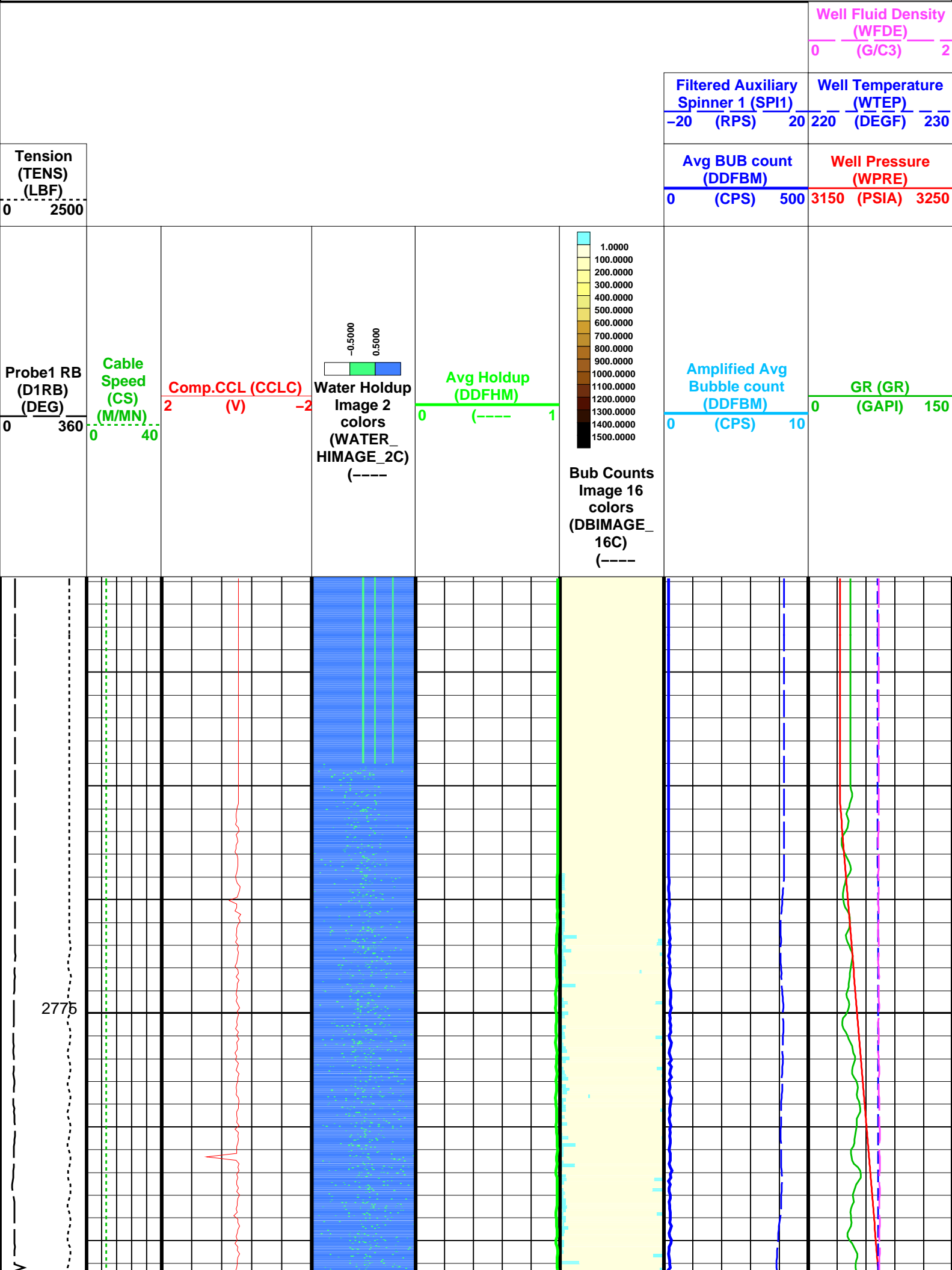


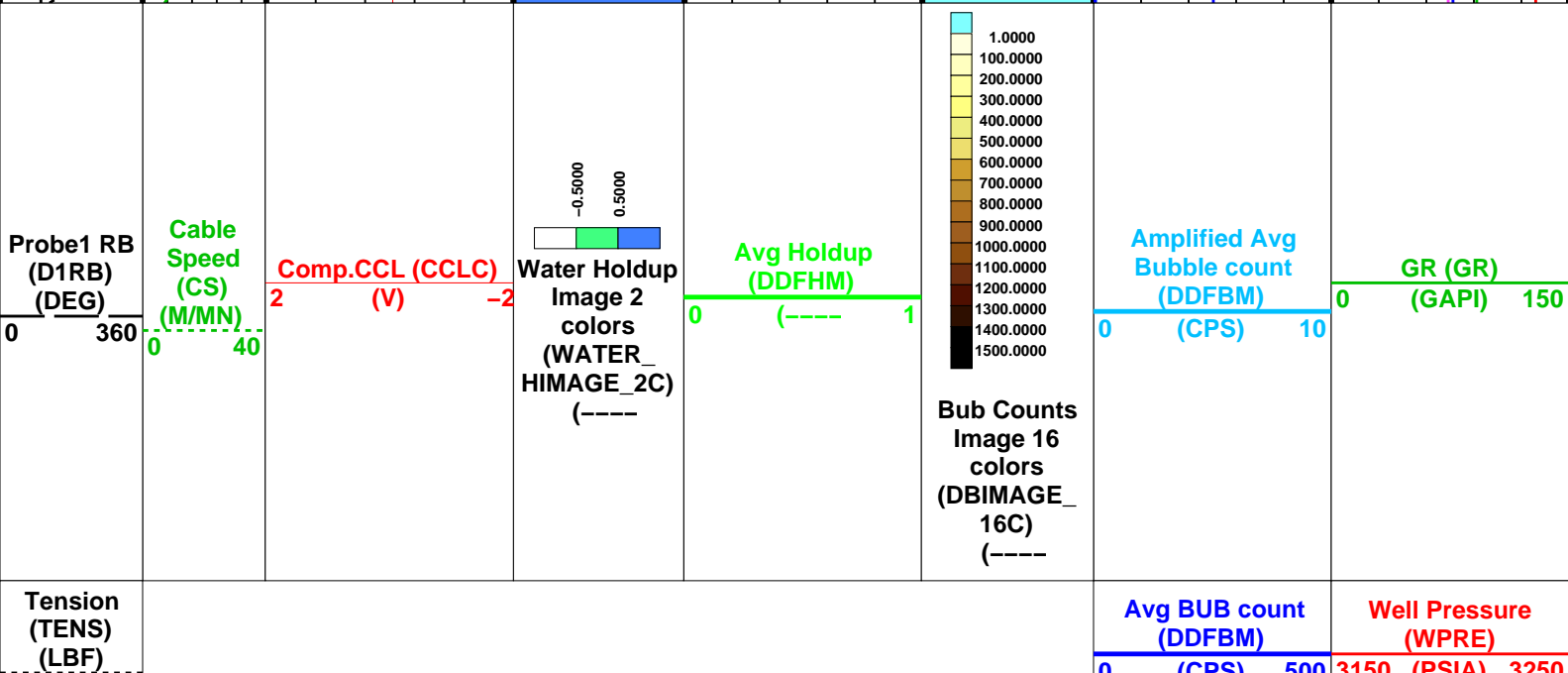
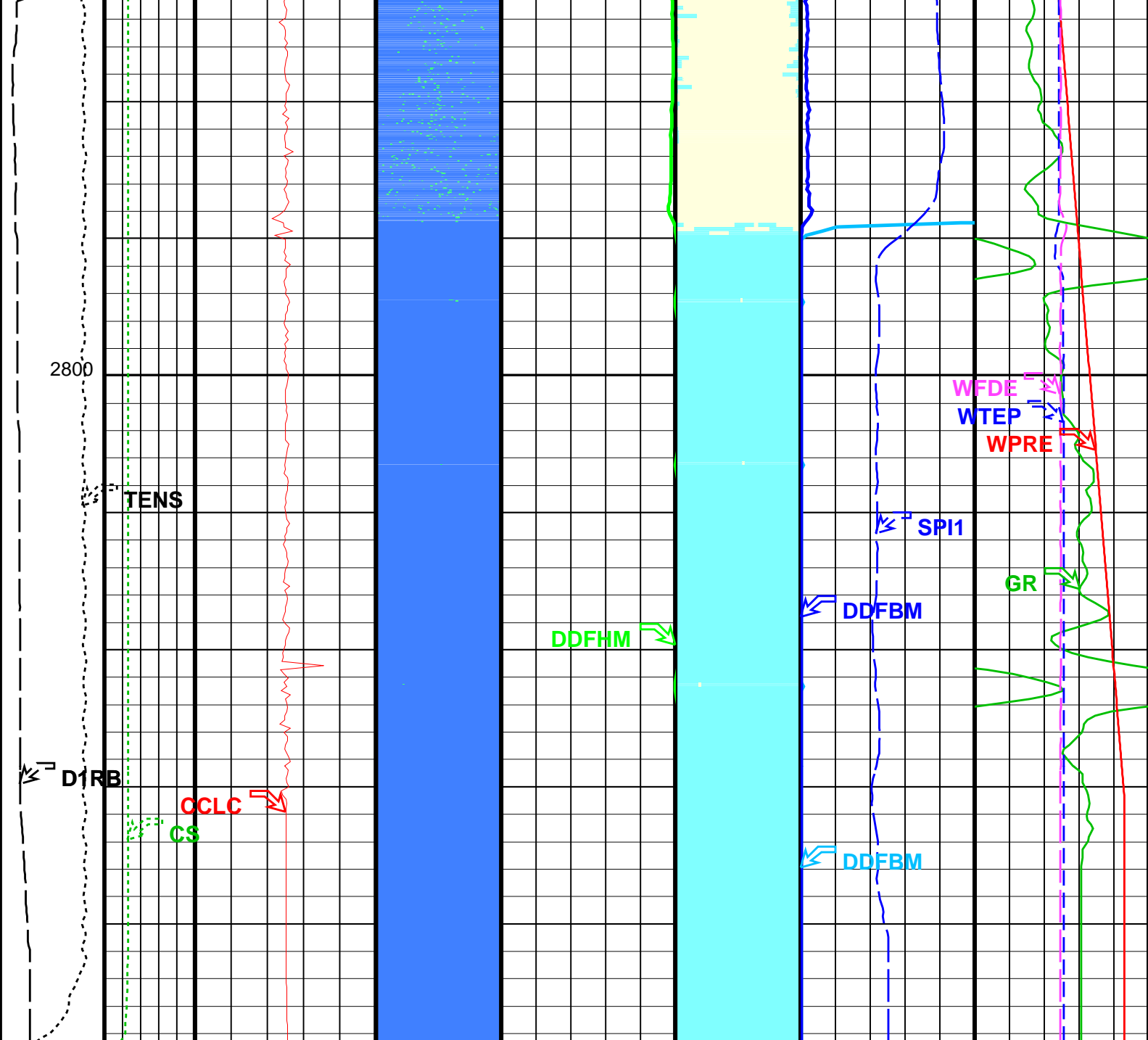
PSPT-A/B		14C0-302					
Parameters							
DLIS Name		Description			Value		
PFCS-A: PSP Flow and caliper Tool							
AMOD	Spinner Filter Averaging Mode			LINEAR_AVERAGE			
CSID	Casing Size I.D.			6.875		IN	
DDRC	Dual DEFT DELTA RB COMPUTATION			D1RB2-D1RB			
DDRS	Dual DEFT RB Source			D1RB			
DFBD	DEFT 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			
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							
CSIZ	Current Casing Size			7.625		IN	
DO	Depth Offset for Playback			0.0		M	
PP	Playback Processing			NORMAL			

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_058LUP	FN:54	PRODUCER	25-May-2007 12:21	2824.3 M	2763.5 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_071PUP	FN:63	PRODUCER	25-May-2007 17:03		

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_058LUP	FN:54	PRODUCER	25-May-2007 12:21	2824.3 M	2763.5 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_071PUP	FN:63	PRODUCER	25-May-2007 17:03	2824.3 M	2755.7 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 Fluid Density (WFDE)		
0	(G/C3)	2

Graphics File Created: 25-May-2007 17:03

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
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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	
DDFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	A	
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
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System and Miscellaneous

DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_058LUP	FN:54	PRODUCER	25-May-2007 12:21	2824.3 M	2763.5 M
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Output DLIS Files

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DEFAULT      FCS_ILS_DEFT_GMS_071PUP      FN:63      PRODUCER      25-May-2007 17:03

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Input DLIS Files

DEFAULT	FCS ILS DEFT GMS 058LUP	FN:54	PRODUCER	25-May-2007 12:21	2824.3 M	2763.5 M
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Output DLIS Files

DEFAULT	ECS	U.S.	DEFT	GMS	071PUR	EN-62	PRODUCER	25 May 2007 17:03	3824 3 M	2755 7 M
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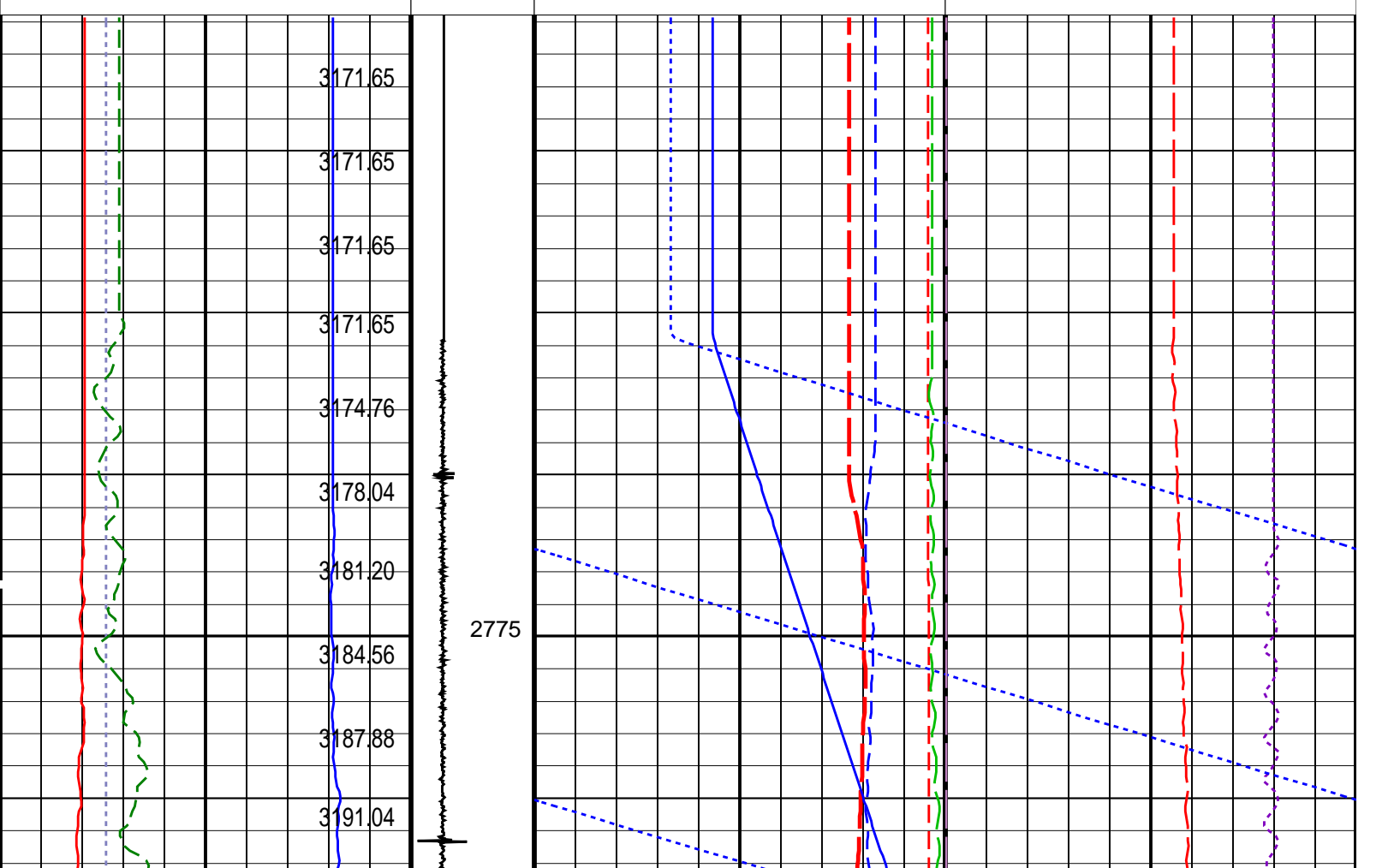
OP System Version: 14C0-302
MCM

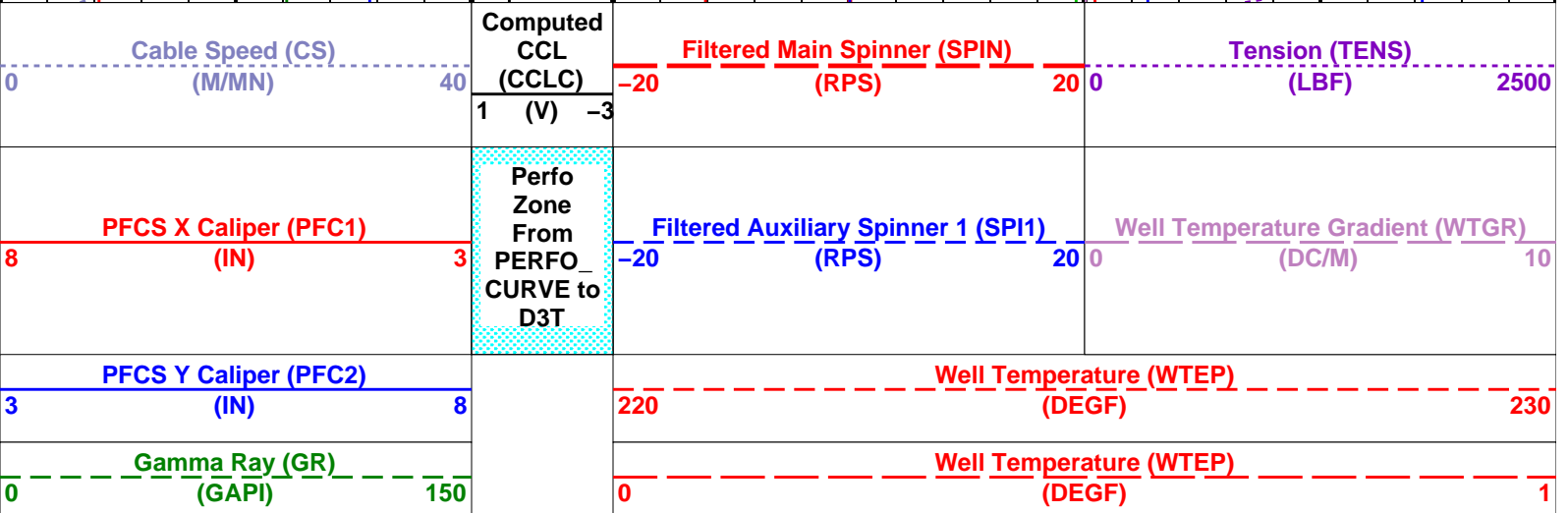
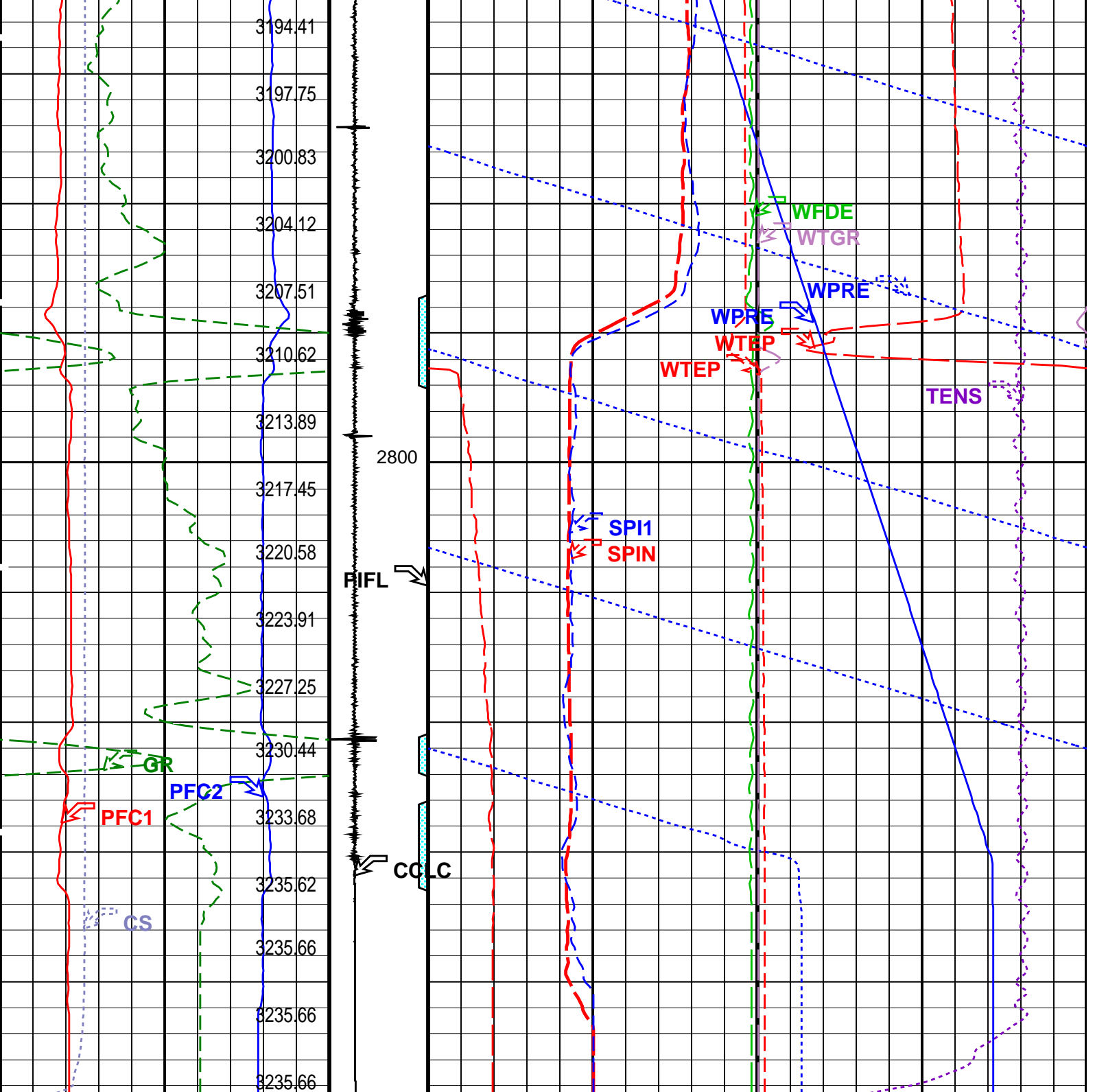
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

PIP SUMMARY

Time Mark Every 60 S

		Well Fluid Density (WFDE) (G/C3)	
		0	2
		Amplified Well Pressure (WPRE) (PSIA)	
		0	10
Well Pressure (WPRE) (PSIA)		3150	3250
Gamma Ray (GR) (GAPI)		Well Temperature (WTEP) (DEGF)	
0		0	
150		1	
PFCS Y Caliper (PFC2) (IN)		Well Temperature (WTEP) (DEGF)	
3		220	
8		230	
PFCS X Caliper (PFC1) (IN)		Filtered Auxiliary Spinner 1 (SPI1) (RPS)	Well Temperature Gradient (WTGR) (DC/M)
8		-20	0
3		20	10
Cable Speed (CS) (M/MN)		Filtered Main Spinner (SPIN) (RPS)	Tension (TENS) (LBF)
0		-20	0
40		20	2500
Computed CCL (CCLC) (V)			
1			





Well Pressure (WPRE) (PSIA)	Well Pressure (WPRE)	
	3150	3250 (PSIA)
	Amplified Well Pressure (WPRE)	
	0	10 (PSIA)
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: 25-May-2007 17:03
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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	
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	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_058LUP	FN:54	PRODUCER	25-May-2007 12:21	2824.3 M	2763.5 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_071PUP	FN:63	PRODUCER	25-May-2007 17:03		
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Flowing Pass # 3
Down @ 3940 ft/hr

MAXIS Field Log

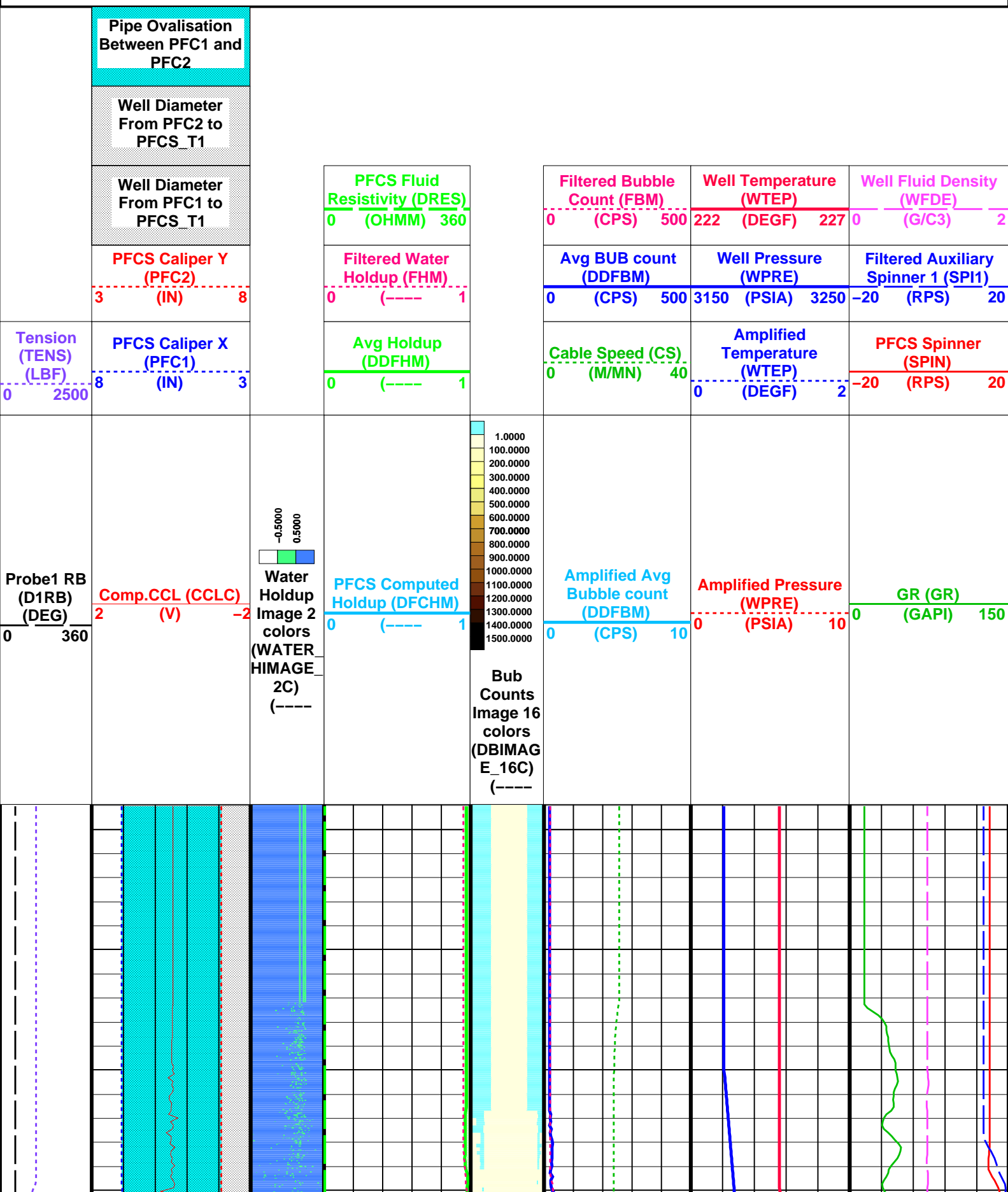
Input DLIS Files

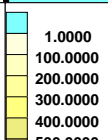
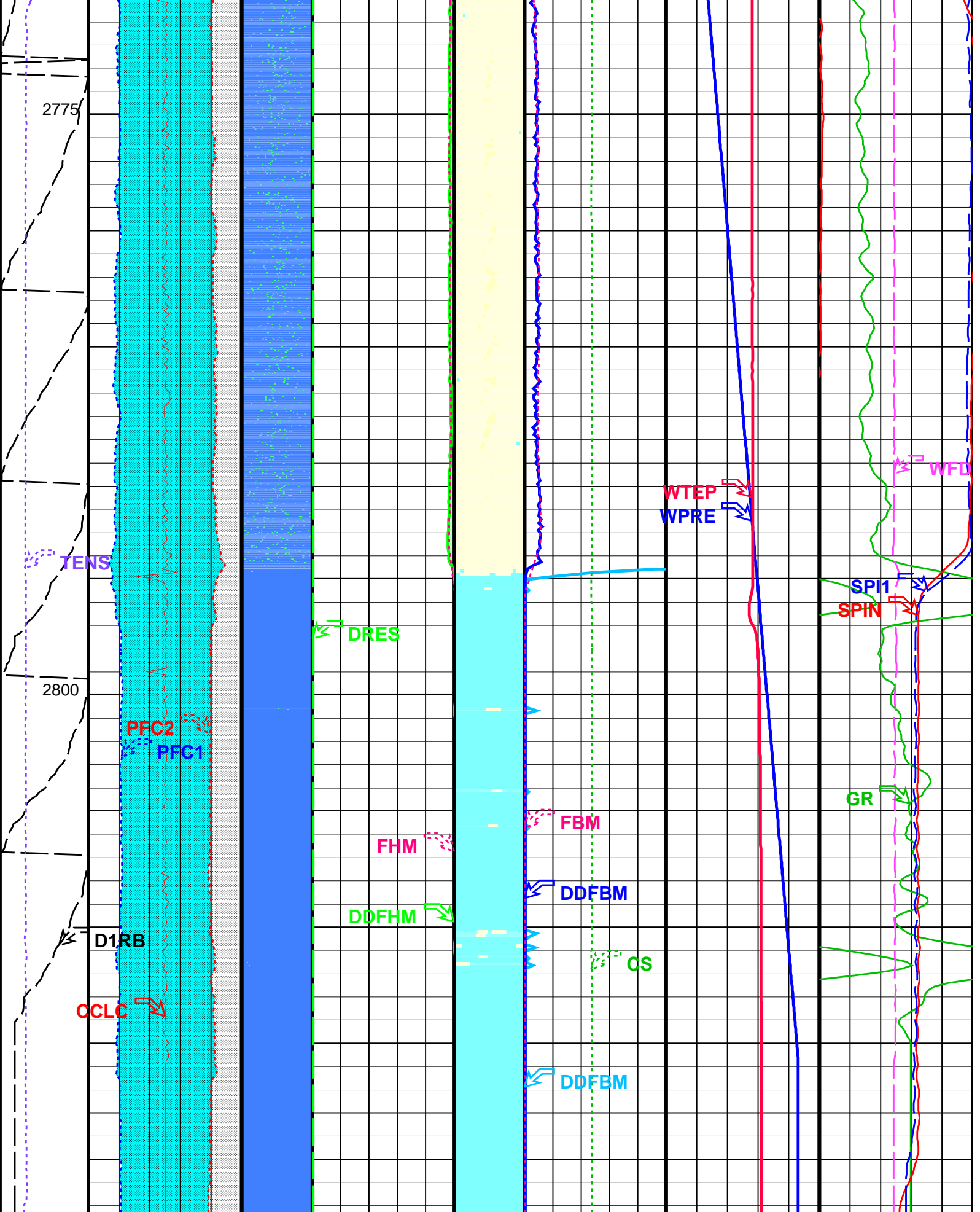
DEFAULT	Flip_FCS_ILS_DEFT_065LUP		PRODUCER	25-May-2007 16:52	2824.3 M	2763.6 M
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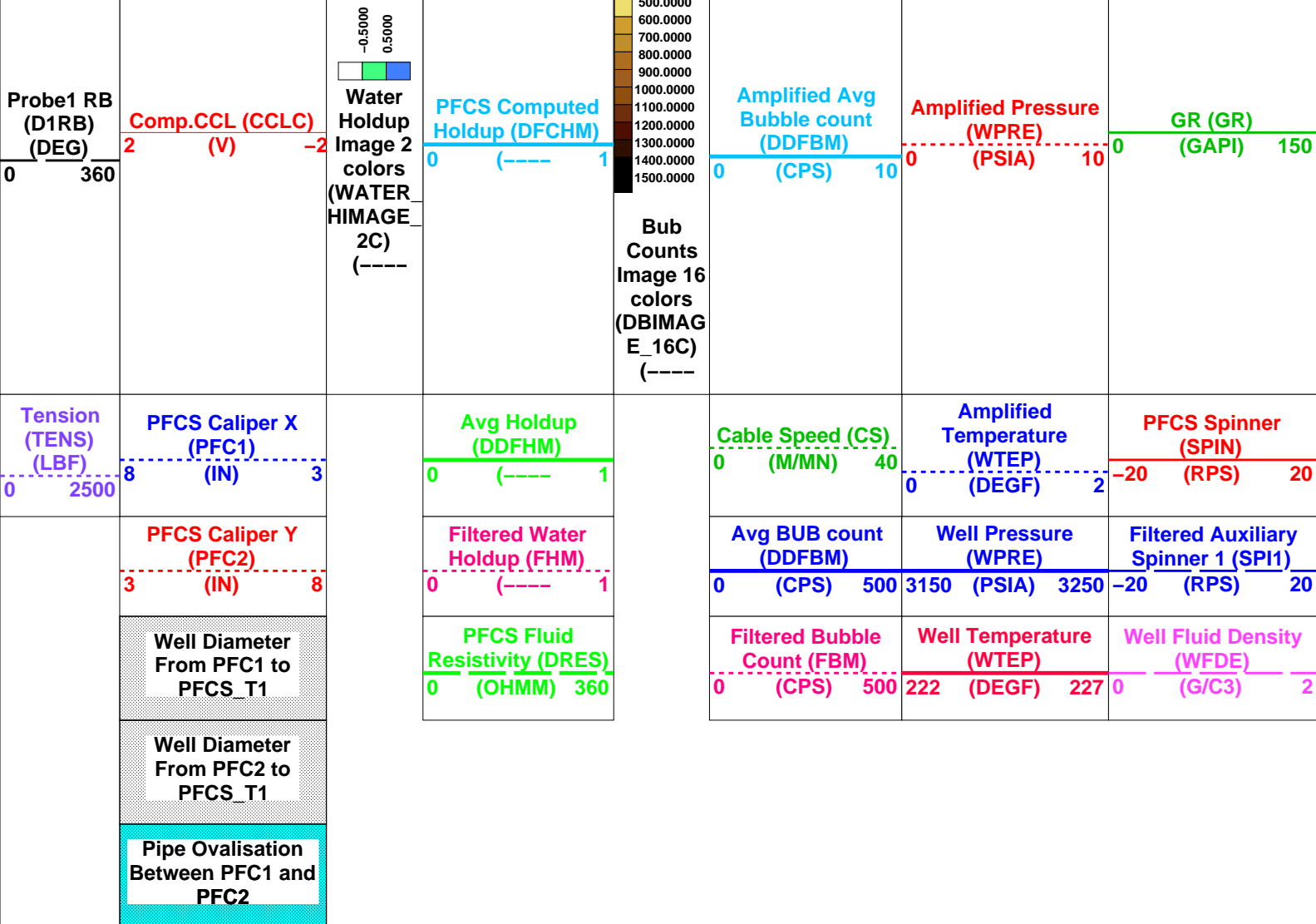
Output DLIS Files

MCM

PILS-A	14C0-302
PGMC-A/B	14C0-302







Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 25-May-2007 17:01

OP System Version: 14C0-302

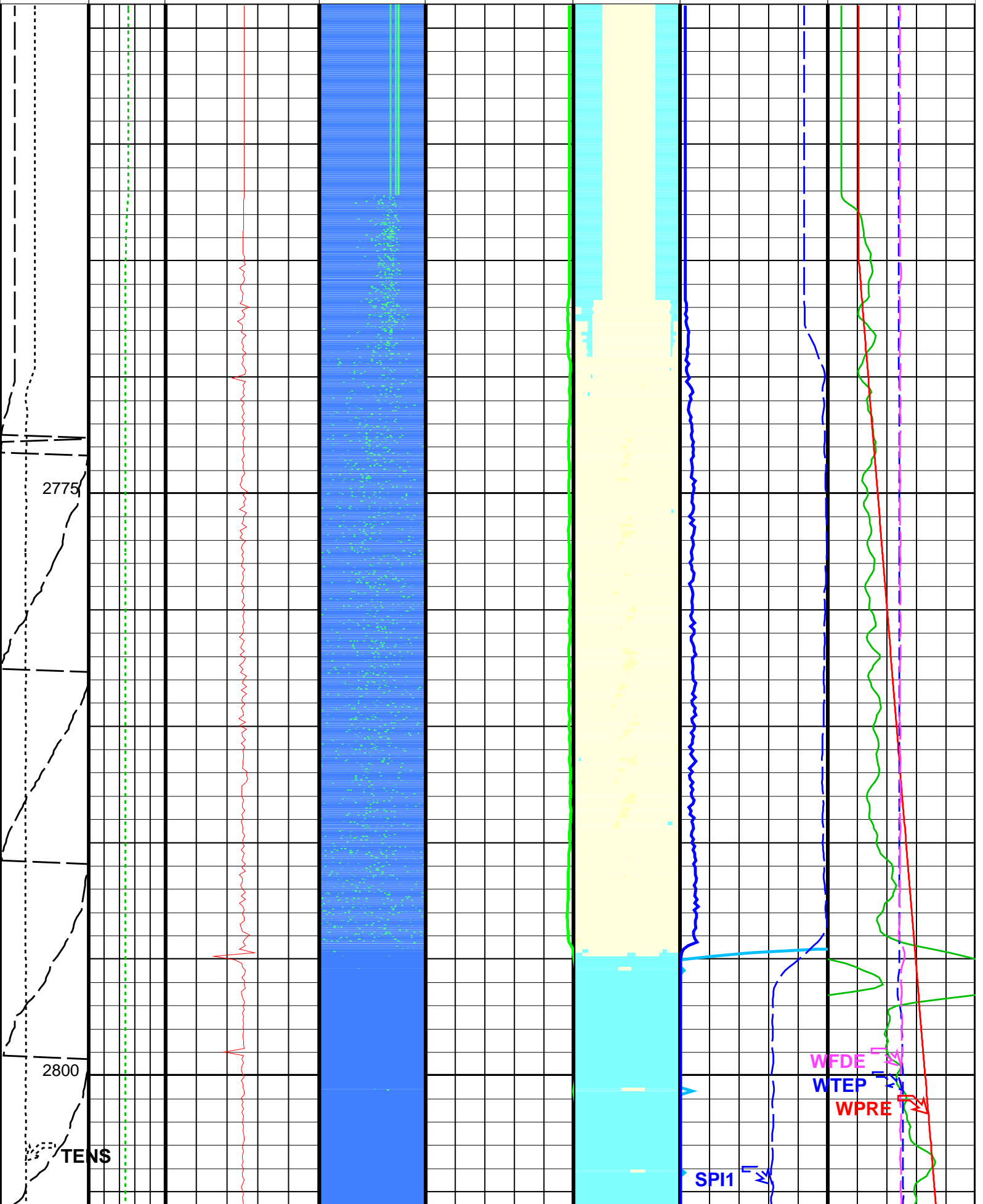
MCM

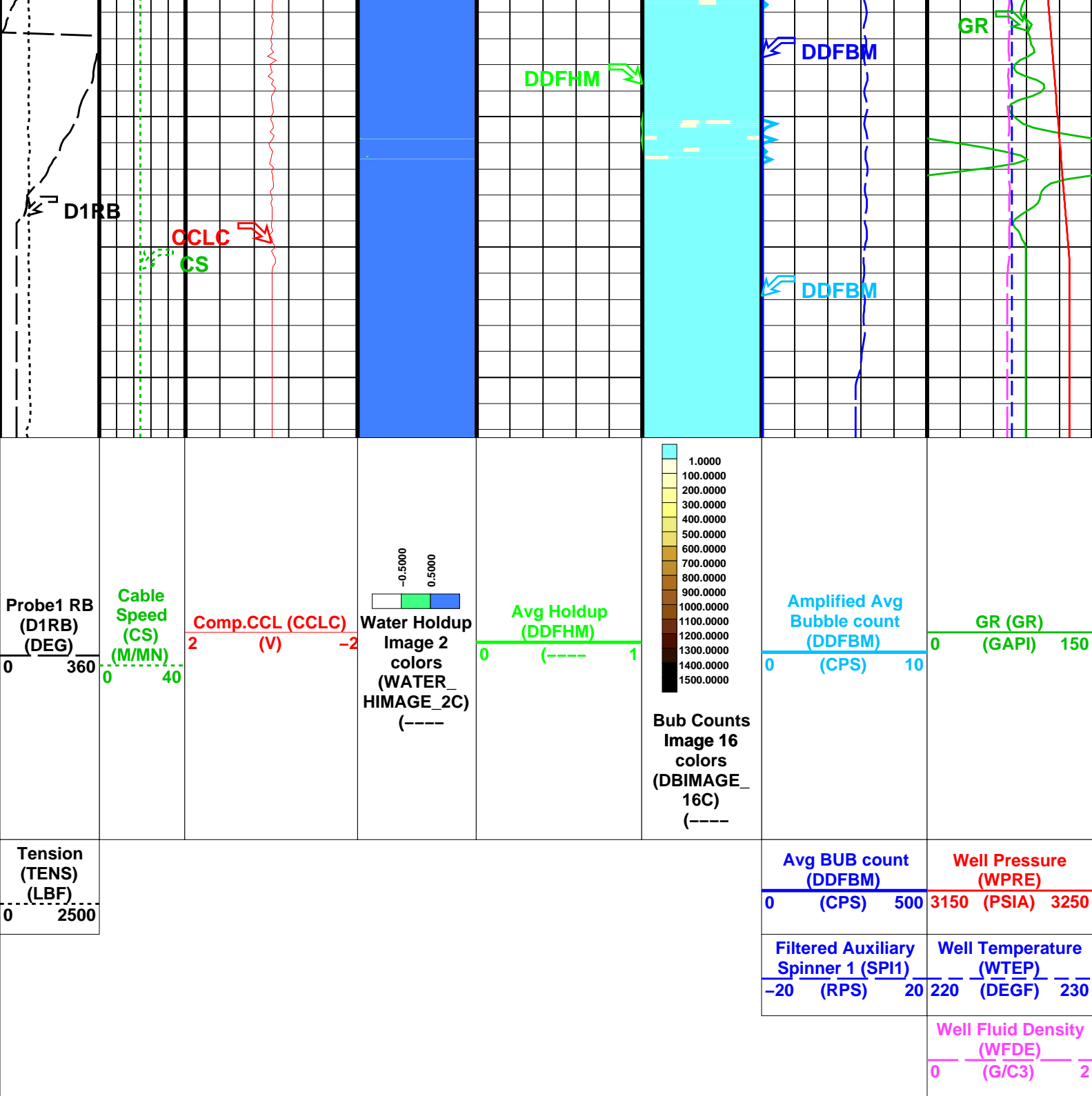
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

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
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

Image 16
colors
(DBIMAGE_
16C)
(----





Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 25-May-2007 17:01

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
DEFT	DEFT Block Disallowed Probes	NO

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	
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	
GCPD	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	-2.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_065LUP	PRODUCER	25-May-2007 16:52	2824.3 M	2763.6 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:62	PRODUCER	25-May-2007 17:01
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Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_065LUP	PRODUCER	25-May-2007 16:52	2824.3 M	2763.6 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:62	PRODUCER	25-May-2007 17:01	2822.3 M	2753.9 M
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OP System Version: 14C0-302

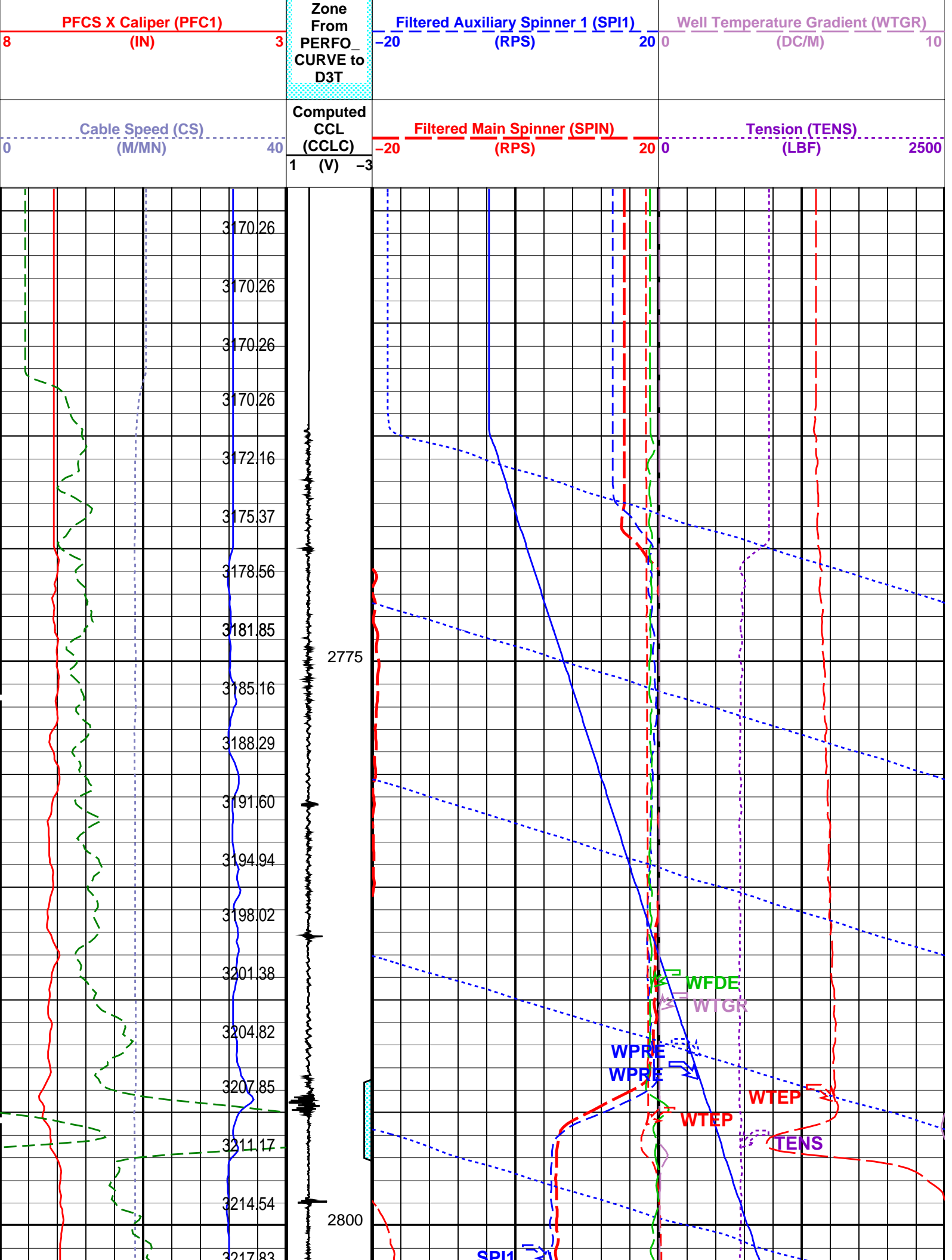
MCM

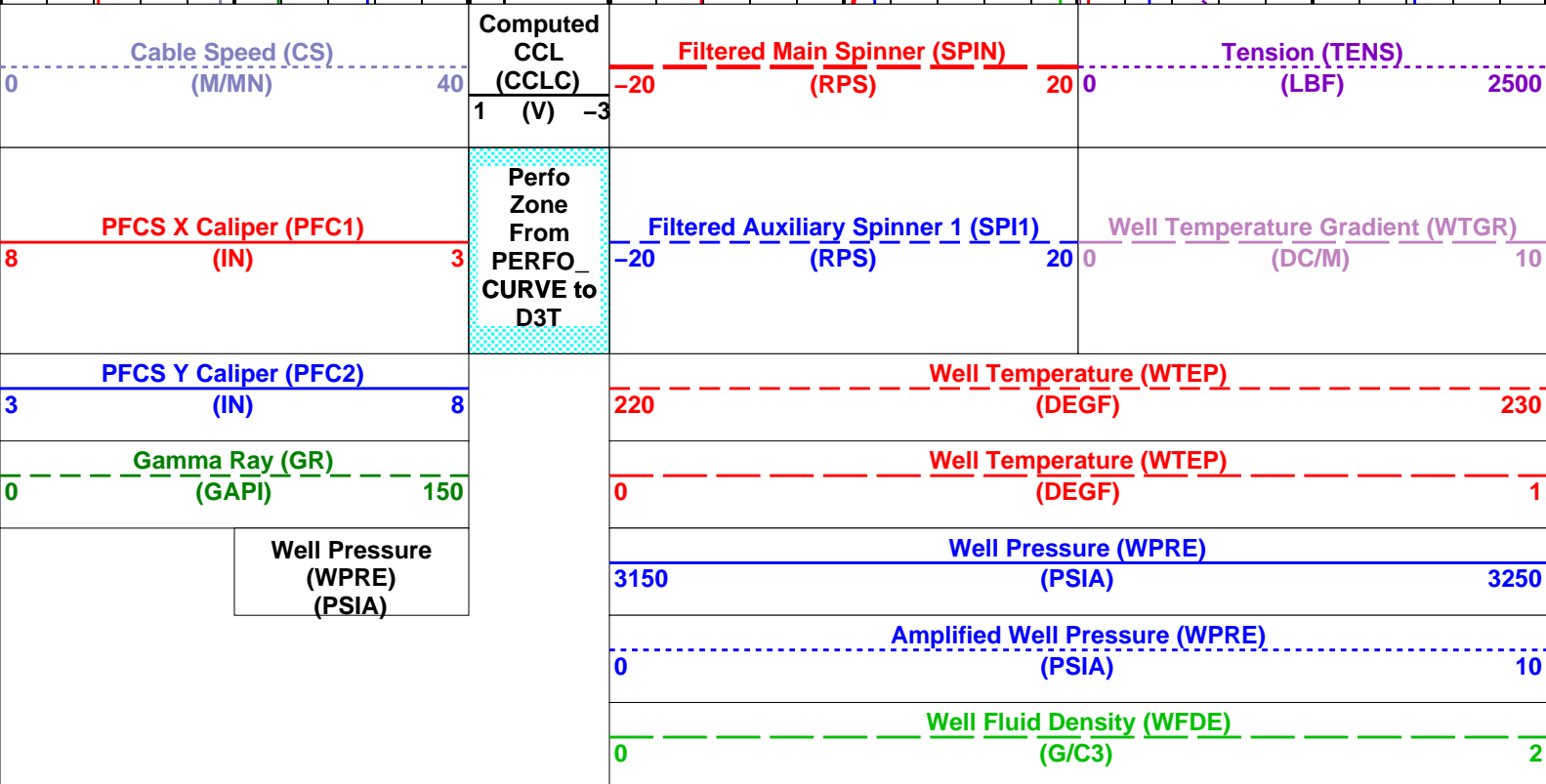
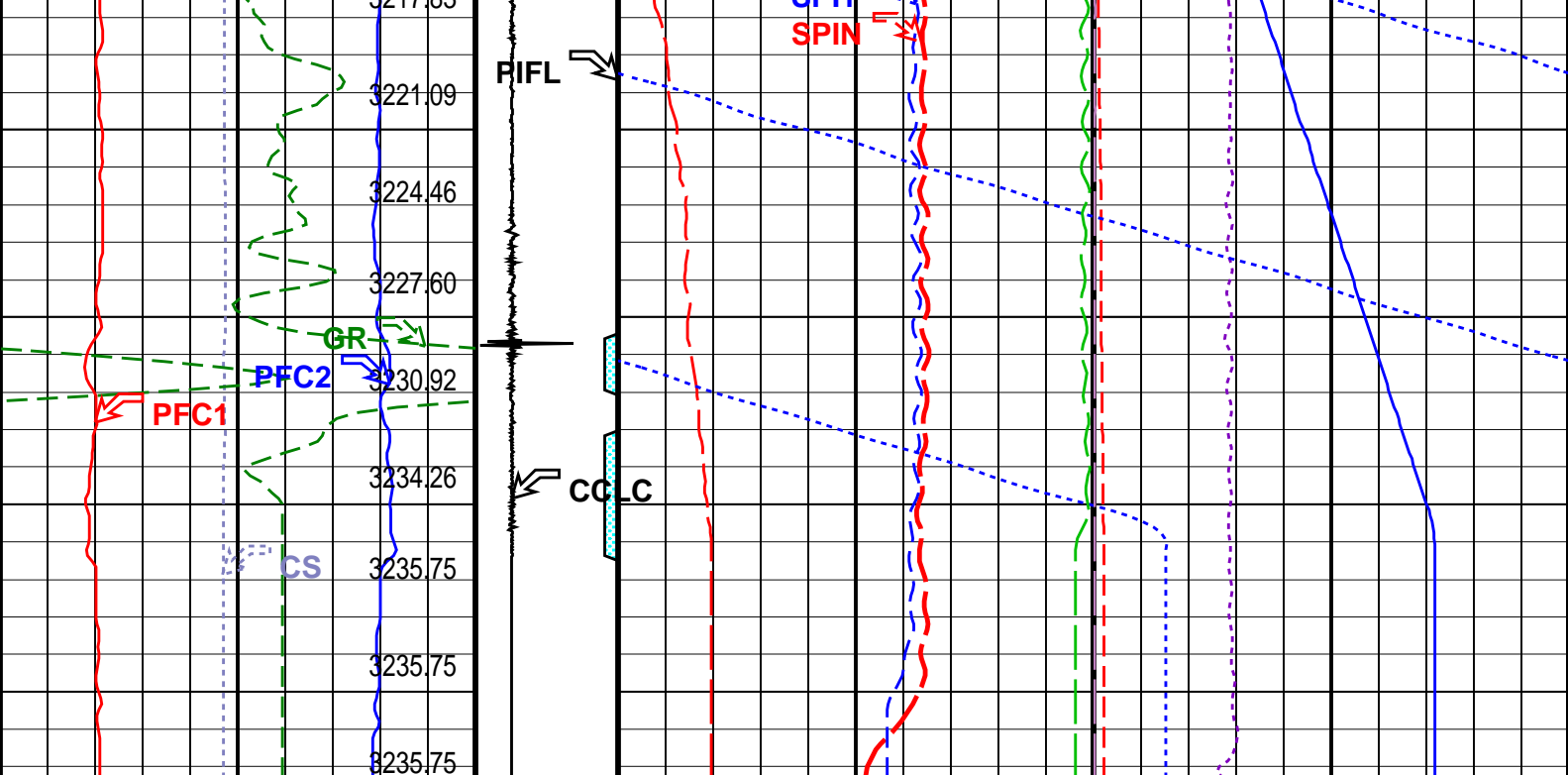
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

PIP SUMMARY

Time Mark Every 60 S

		Well Fluid Density (WFDE)	
		0	2
		(G/C3)	
		Amplified Well Pressure (WPRES)	
		0	10
		(PSIA)	
		Well Pressure (WPRES)	
		3150	3250
		(PSIA)	
		Well Temperature (WTEMP)	
		0	1
		(DEGF)	
		Well Temperature (WTEMP)	
		220	230
		(DEGF)	
		Perfo	





Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 25-May-2007 17:01

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
SPCF	Spinner Depth Control Filter	

SDCF	Spinner Depth Constant Filter	6	
SP11	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	
SP11	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	-2.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_065LUP	PRODUCER	25-May-2007 16:52	2824.3 M	2763.6 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_070PUP	FN:62	PRODUCER	25-May-2007 17:01
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Schlumberger

Flowing Pass # 2
Up @ 980 ft/hr

MAXIS Field Log

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_056LUP	FN:52	PRODUCER	25-May-2007 12:06	2825.0 M	2764.5 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_069PUP	FN:61	PRODUCER	25-May-2007 16:58	2825.0 M	2756.8 M
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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

PFCS Caliper Y
(PFC2)
3 (IN) 8

PFCS Caliper X
(PFC1)

PFCS Fluid
Resistivity (DRES)
0 (OHMM) 360

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

Avg Holdup
(DDFHM)

Filtered Bubble
Count (FBM)
0 (CPS) 500

Avg BUB count
(DDFBM)
0 (CPS) 500

Cable Speed (CS)

Well Temperature
(WTEP)
222 (DEGF) 227

Well Pressure
(WPRE)
3150 (PSIA) 3250

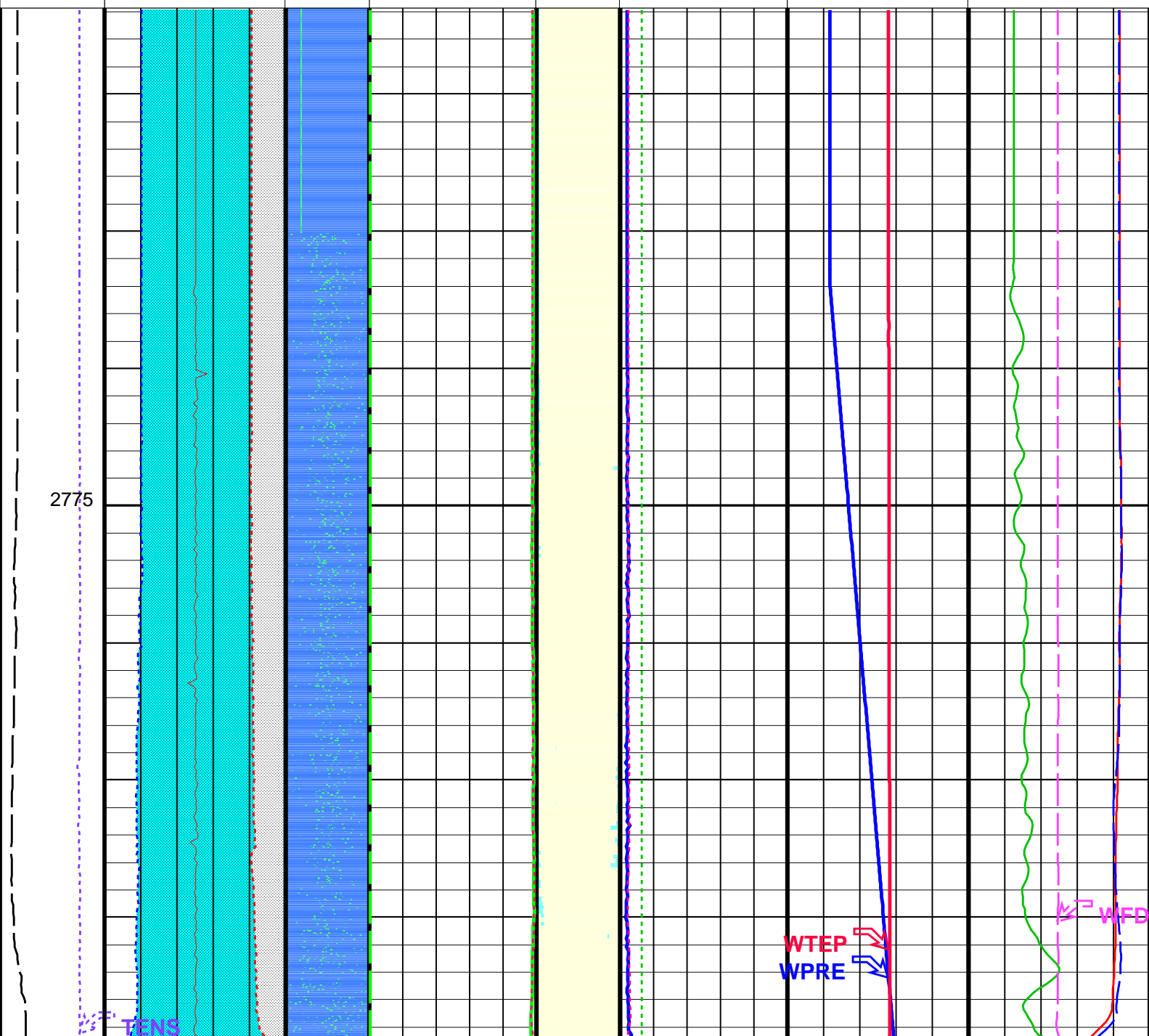
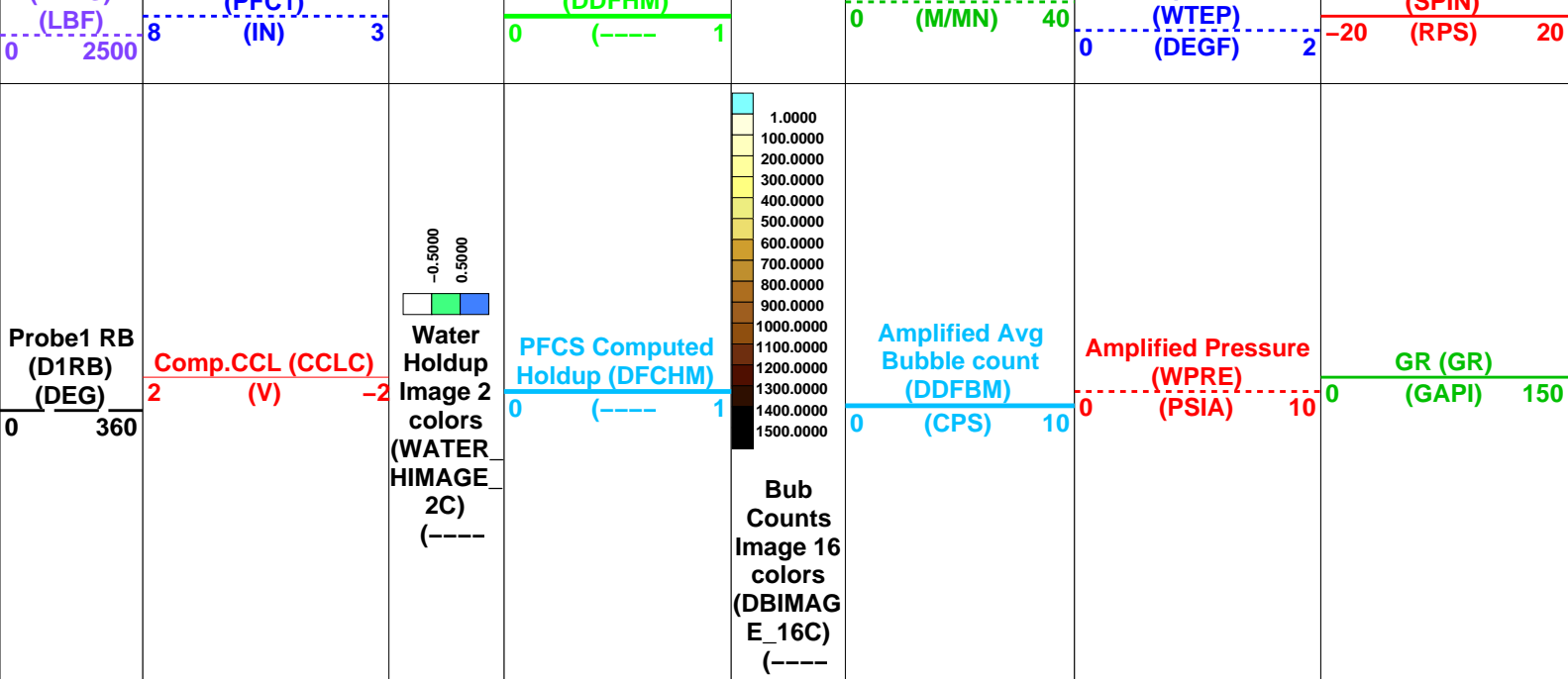
Amplified
Temperature

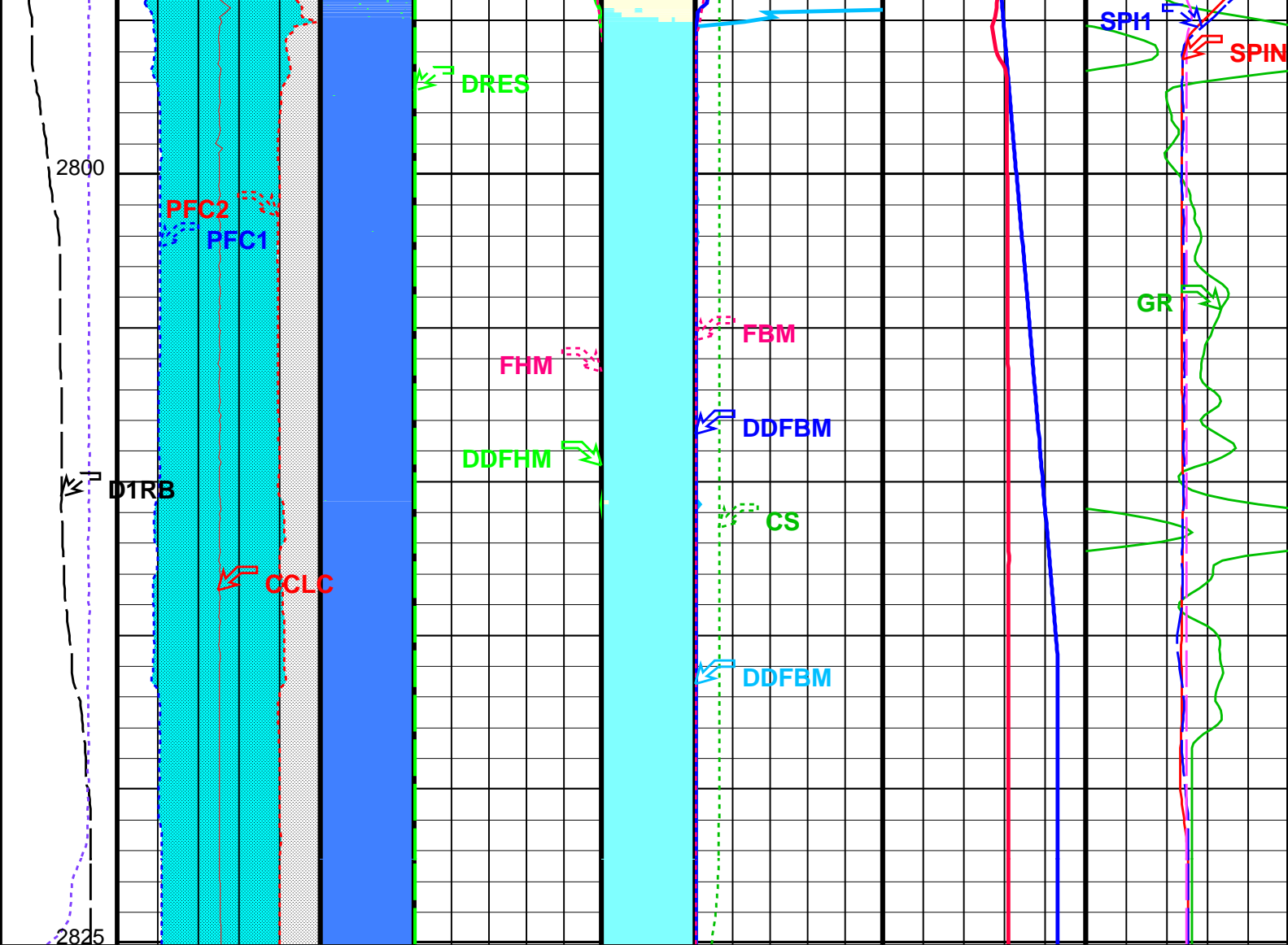
Well Fluid Density
(WFDE)
0 (G/C3) 2

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

PFCS Spinner
(SPIN)

Tension
(TENS)





<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</div>	<div>Comp.CCL (CCLC) (V)</div> <div>2-2</div>	<div>Water Holdup Image 2 colors (WATER HIMAGE 2C) (----</div> <div><div>-0.50000.5000</div><div></div></div>	<div>PFCS Computed Holdup (DFCHM)</div> <div>01</div> <div>(----</div>	<div><div>1.0000100.0000200.0000300.0000400.0000500.0000600.0000700.0000800.0000900.00001000.00001100.00001200.00001300.00001400.00001500.0000</div><div>Bub Counts Image 16 colors (DBIMAG E_16C) (----</div></div>	<div>Amplified Avg Bubble count (DDFBM)</div> <div>010</div> <div>(CPS)</div>	<div>Amplified Pressure (WPRE) (PSIA)</div> <div>010</div>	<div>GR (GR) (GAPI)</div> <div>0150</div>
<div>Tension (TENS) (LBF)</div> <div>02500</div>	<div>PFCS Caliper X (PFC1) (IN)</div> <div>83</div>		<div>Avg Holdup (DDFHM)</div> <div>01</div> <div>(----</div>		<div>Cable Speed (CS) (M/MN)</div> <div>040</div>	<div>Amplified Temperature (WTEP) (DEGF)</div> <div>02</div>	<div>PFCS Spinner (SPIN) (RPS)</div> <div>-2020</div>
	<div>PFCS Caliper Y (PFC2) (IN)</div> <div>38</div>		<div>Filtered Water Holdup (FHM)</div> <div>01</div> <div>(----</div>		<div>Avg BUB count (DDFBM)</div> <div>0500</div> <div>(CPS)</div>	<div>Well Pressure (WPRE) (PSIA)</div> <div>31503250</div>	<div>Filtered Auxiliary Spinner 1 (SPI1) (RPS)</div> <div>-2020</div>
	<div>Well Diameter From PFC1 to</div>		<div>PFCS Fluid Resistivity (DRES)</div>		<div>Filtered Bubble Count (FBM)</div>	<div>Well Temperature (WTEP)</div>	<div>Well Fluid Density (WFDE)</div>

	PFCs_T1	0 (OHMM) 360	0 (CPS) 500 222 (DEGF) 227 0 (G/C3) 2
	Well Diameter From PFC2 to PFCs_T1		
	Pipe Ovalisation Between PFC1 and PFC2		

Format: PFCs_Image_DL

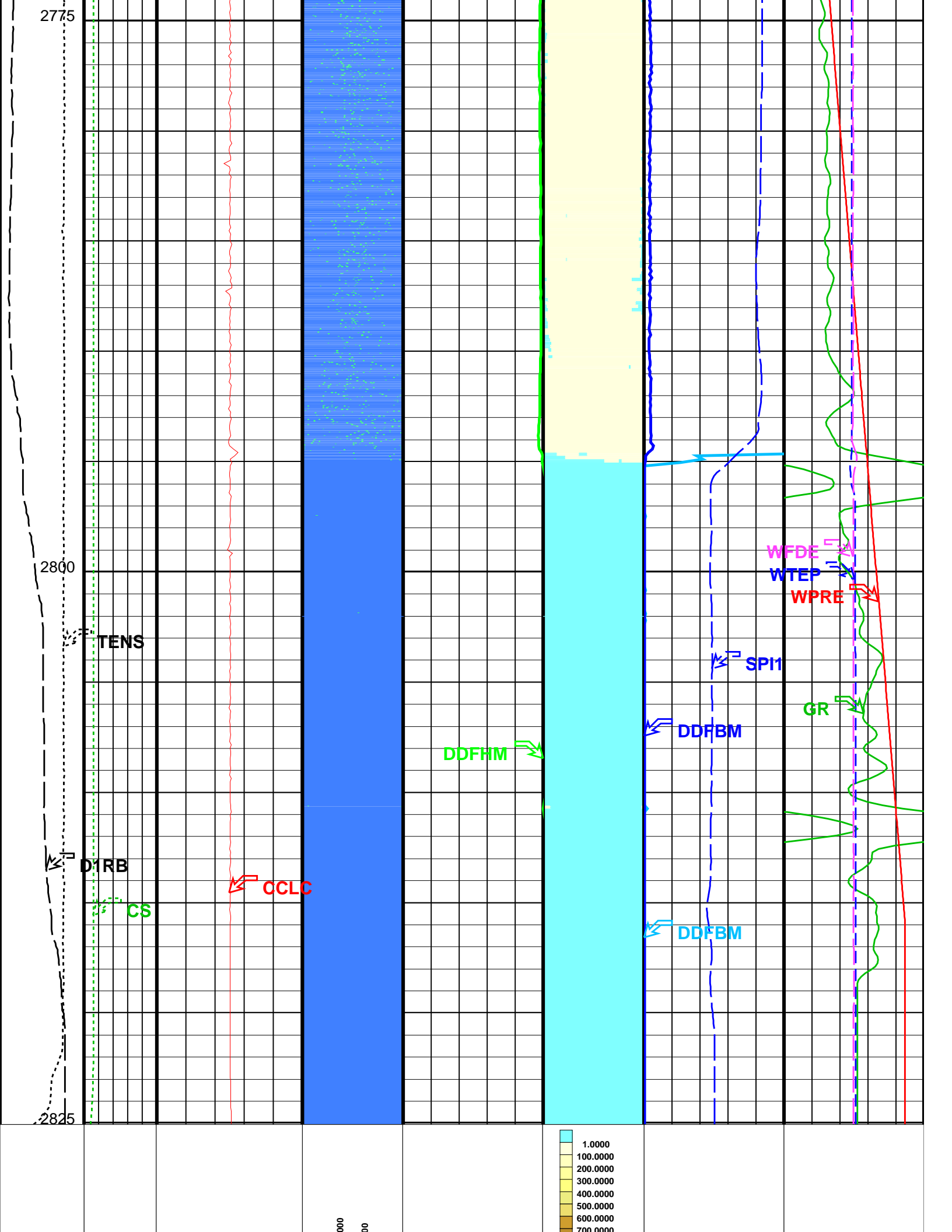
Vertical Scale: 1:200

Graphics File Created: 25-May-2007 16:58

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	
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			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_056LUP	FN:52	PRODUCER	25-May-2007 12:06	2825.0 M	2764.5 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_069PUP	FN:61	PRODUCER	25-May-2007 16:58		



<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</div>	<div>Cable Speed (CS) (M/MN)</div> <div>040</div>	<div>Comp.CCL (CCLC) (V)</div> <div>2-2</div>	<div>Water Holdup Image 2 colors (WATER_ HIMAGE_2C) (----</div> <div><div><div></div><div></div><div></div></div><div>-0.50.5</div></div>	<div>Avg Holdup (DDFHM)</div> <div>01</div> <div>(----</div>	<div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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Format: DEFT_Image_DL

Vertical Scale: 1:200

Graphics File Created: 25-May-2007 16:58

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	
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	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_056LUP FN:52 PRODUCER 25-May-2007 12:06 2825.0 M 2764.5 M

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_069PUP FN:61 PRODUCER 25-May-2007 16:58

Input DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_056LUP FN:52 PRODUCER 25-May-2007 12:06 2825.0 M 2764.5 M

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_069PUP FN:61 PRODUCER 25-May-2007 16:58 2825.0 M 2756.8 M

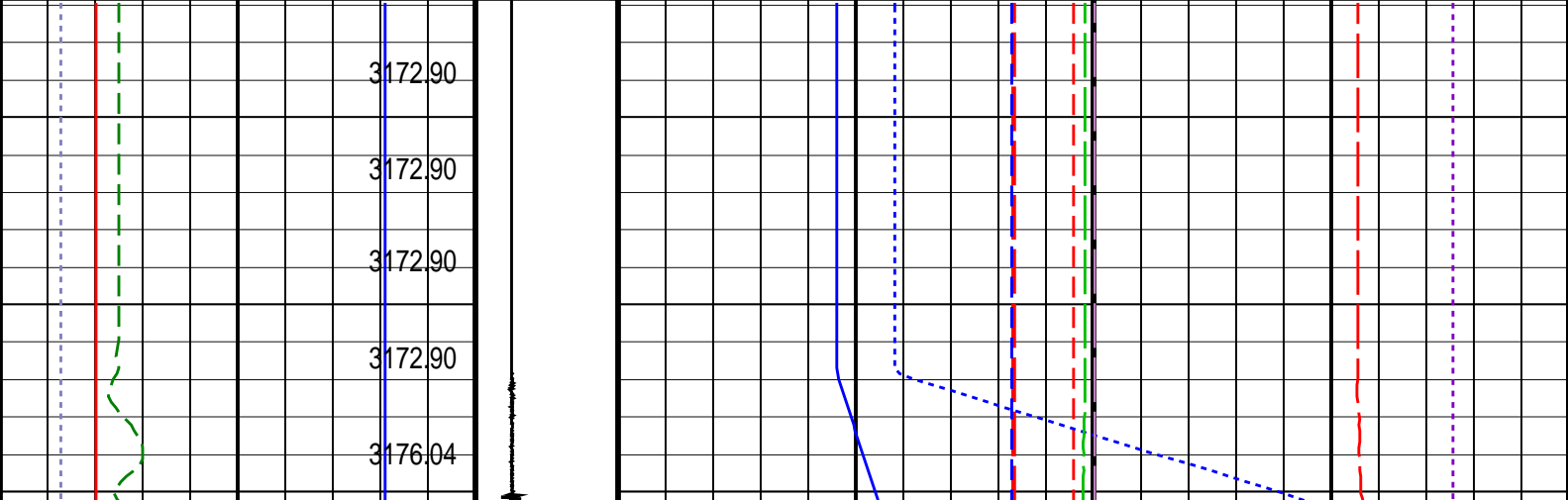
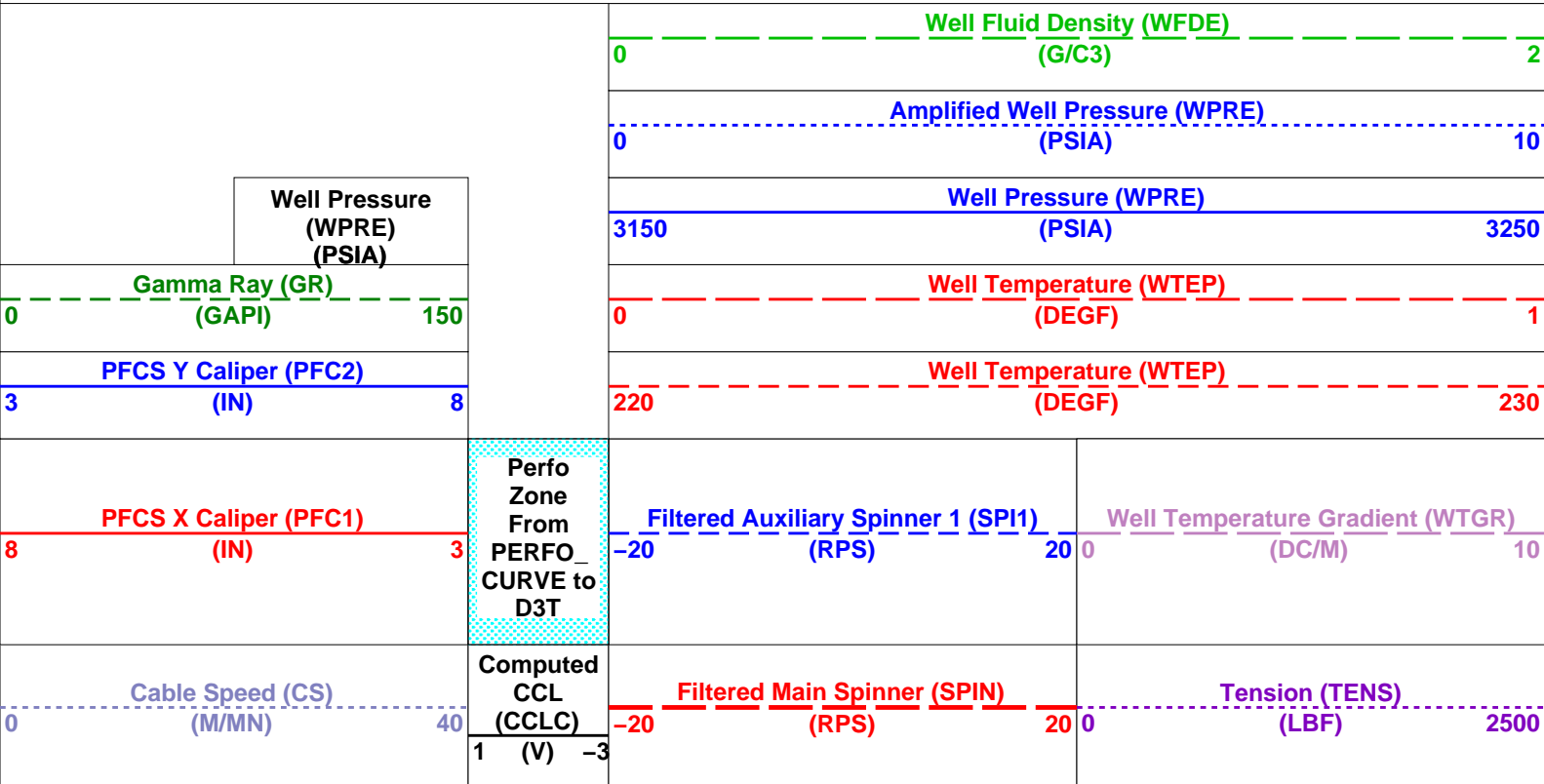
OP System Version: 14C0-302

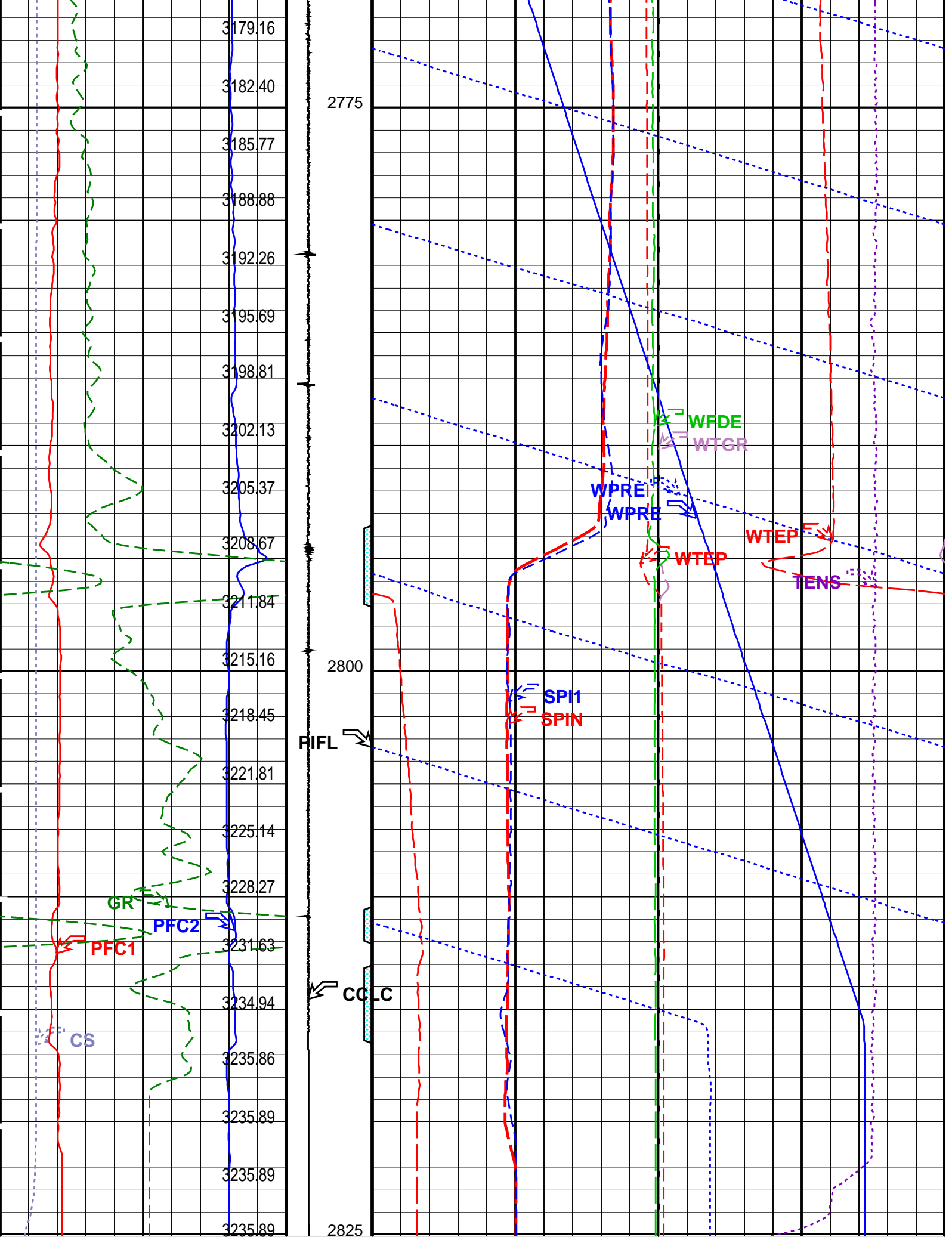
MCM

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) (M/MN)		0	40	CCL (CCLC) 1 (V) -3	-20	Filtered Main Spinner (SPIN) (RPS)	20	0	Tension (TENS) (LBF)	2500		
PFCS X Caliper (PFC1) (IN)		8	3	Perfo Zone From PERFO_ CURVE to D3T	Filtered Auxiliary Spinner 1 (SPI1) (RPS)		-20	20	Well Temperature Gradient (WTGR) (DC/M)		0	10
PFCS Y Caliper (PFC2) (IN)		3	8		Well Temperature (WTEP) (DEGF)		220		230			
Gamma Ray (GR) (GAPI)		0	150		Well Temperature (WTEP) (DEGF)		0		1			
Well Pressure (WPRE) (PSIA)					Well Pressure (WPRE) (PSIA)		3150		3250			
					Amplified Well Pressure (WPRE) (PSIA)		0		10			
					Well Fluid Density (WFDE) (G/C3)		0		2			

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200

Graphics File Created: 25-May-2007 16:58

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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0
PDSH	Gradio Correction Density Shift	0
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	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_056LUP	FN:52	PRODUCER	25-May-2007 12:06	2825.0 M	2764.5 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_069PUP	FN:61	PRODUCER	25-May-2007 16:58
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MAXIS Field Log

Input DLIS Files

DEFAULT Flip_FCS_ILS_DEFT_064LUP PRODUCER 25-May-2007 16:52 2825.0 M 2765.3 M

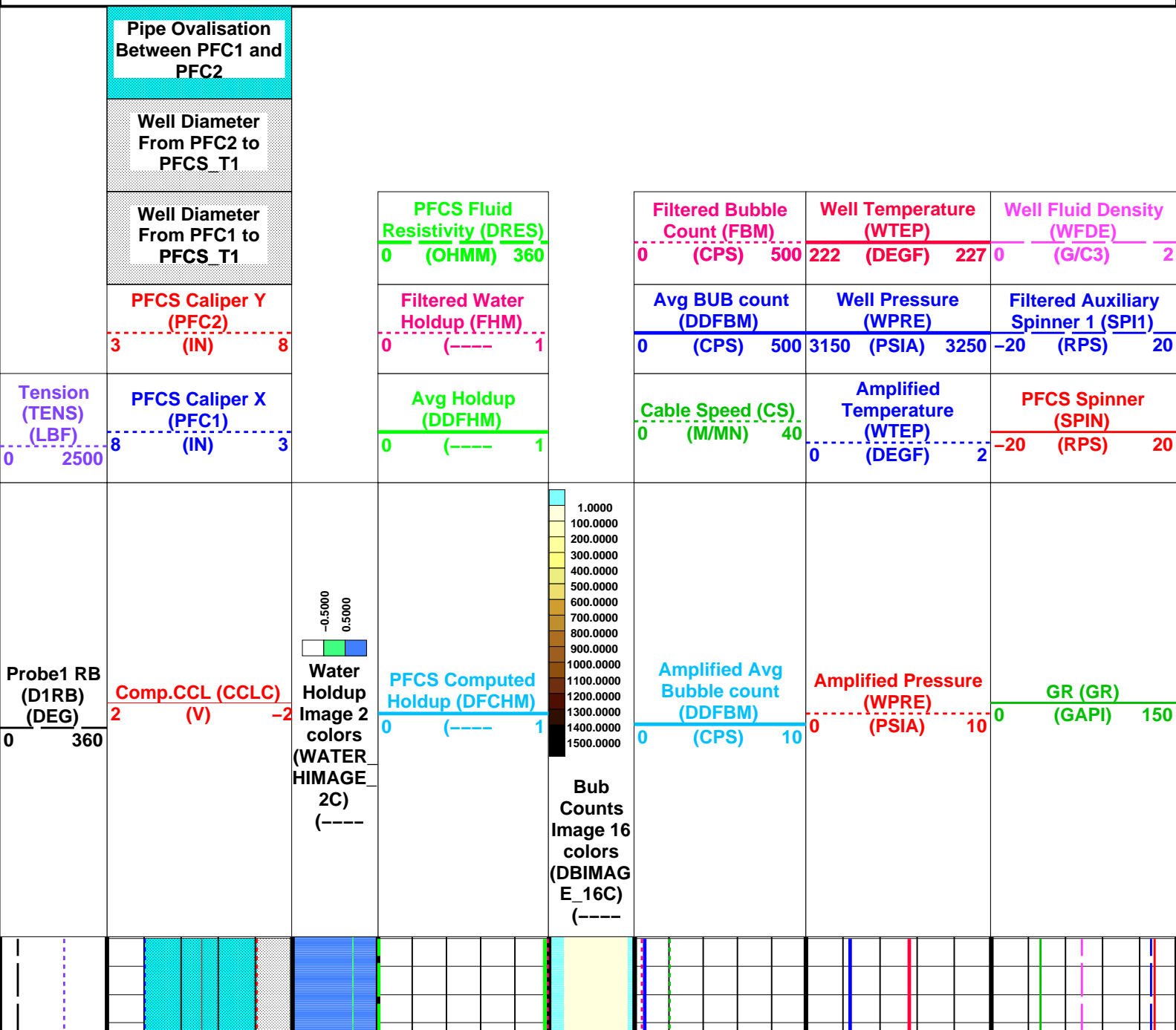
Output DLIS Files

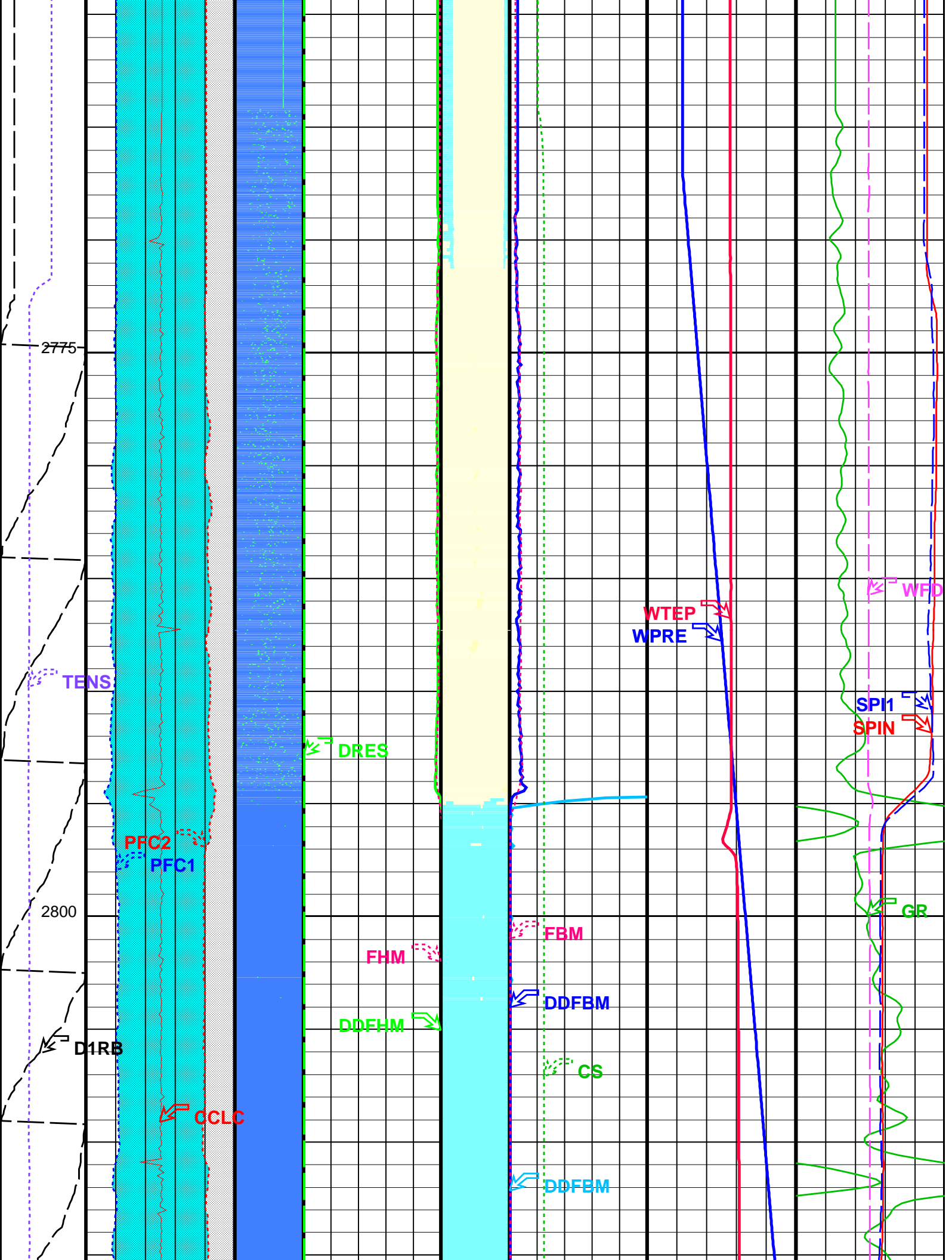
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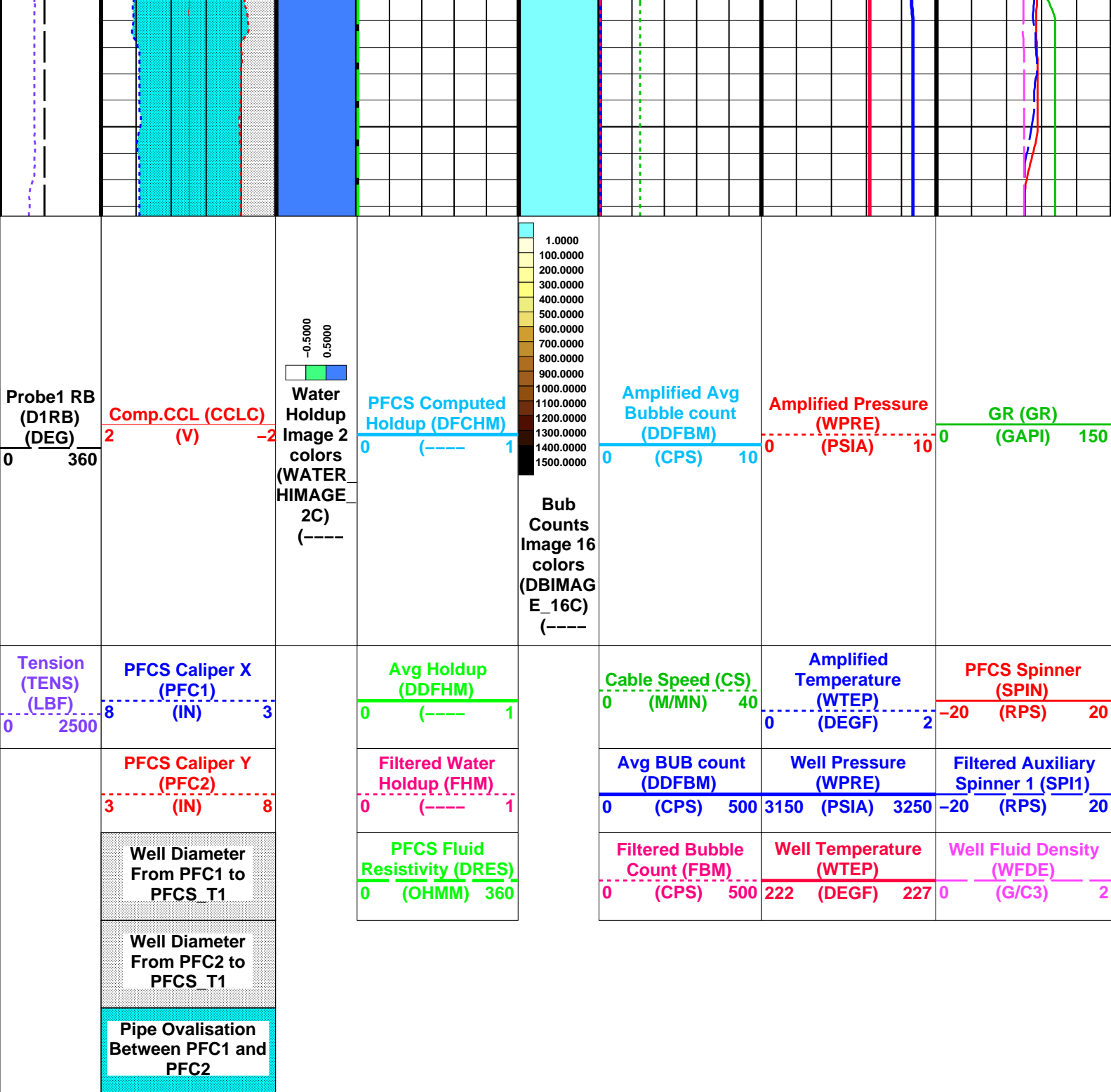
OP System Version: 14C0-302

MCM

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







Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 25-May-2007 16:56

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
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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
DEFL	DEFT Flip Image	NO

DFII	DEFT Flip Image	NO	
DFIIR	DEFT Image Interpolation	YES	
DFPP	DEFT Image Rotation Selection	TOP_MIDDLE	
PFGC	Probes Arm Position	A	
PFRE1	PFCS Geometrical coefficient	1200	
PFRE2	Downhole Resistor Probe 1	3000	OHMS
PFRE3	Downhole Resistor Probe 2	3000	OHMS
PFRE4	Downhole Resistor Probe 3	3000	OHMS
SDCF	Downhole Resistor Probe 4	3000	OHMS
SPI1	Spinner Depth Constant Filter	6	
SPIN	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
	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	
DFIIR	DEFT Image Interpolation	YES	
DFIIR	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	-1.7	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_064LUP	PRODUCER	25-May-2007 16:52	2825.0 M	2765.3 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_068PUP	FN:60	PRODUCER	25-May-2007 16:56
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Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_064LUP	PRODUCER	25-May-2007 16:52	2825.0 M	2765.3 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_068PUP	FN:60	PRODUCER	25-May-2007 16:56	2823.4 M	2755.8 M
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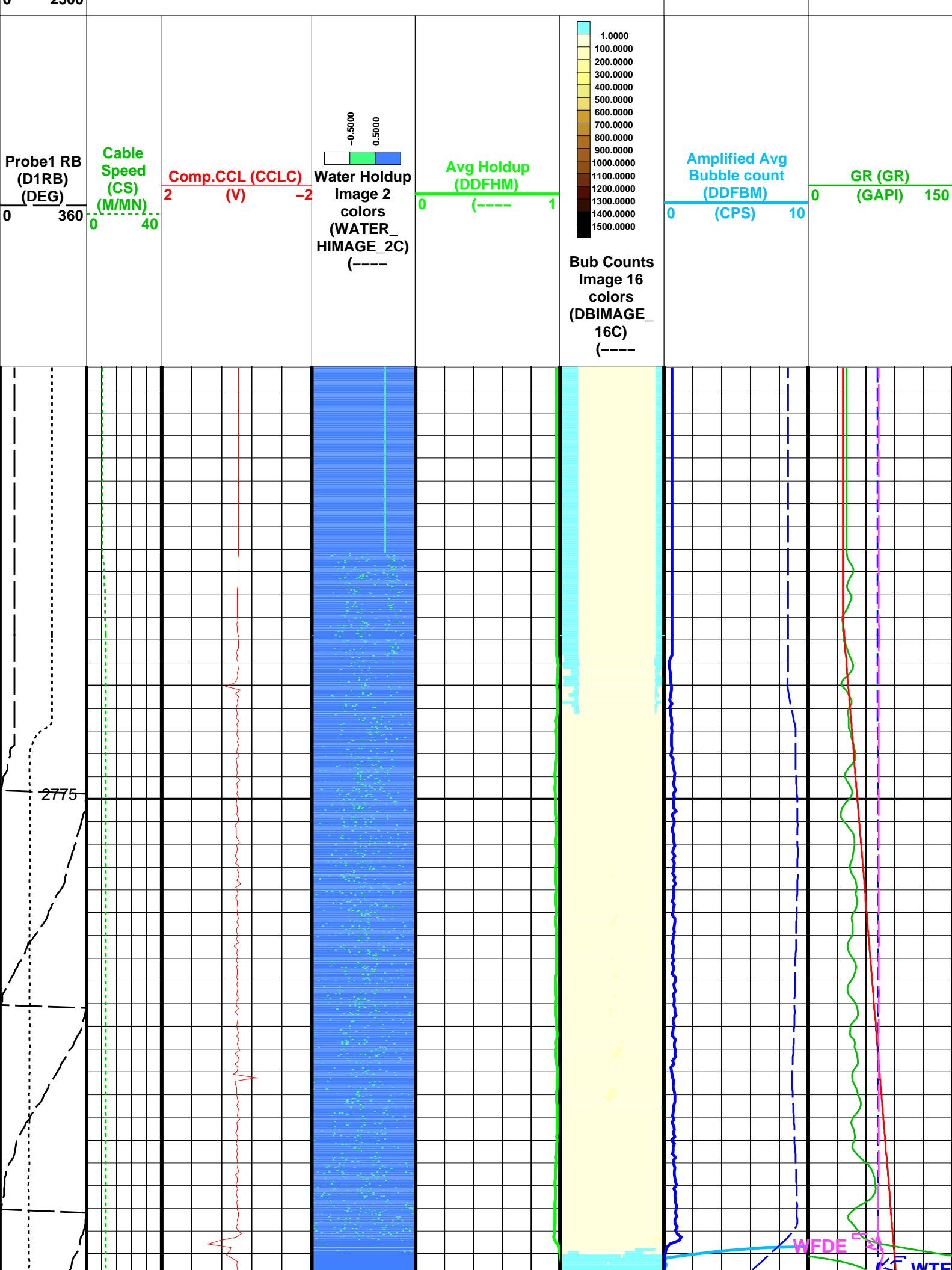
OP System Version: 14C0-302

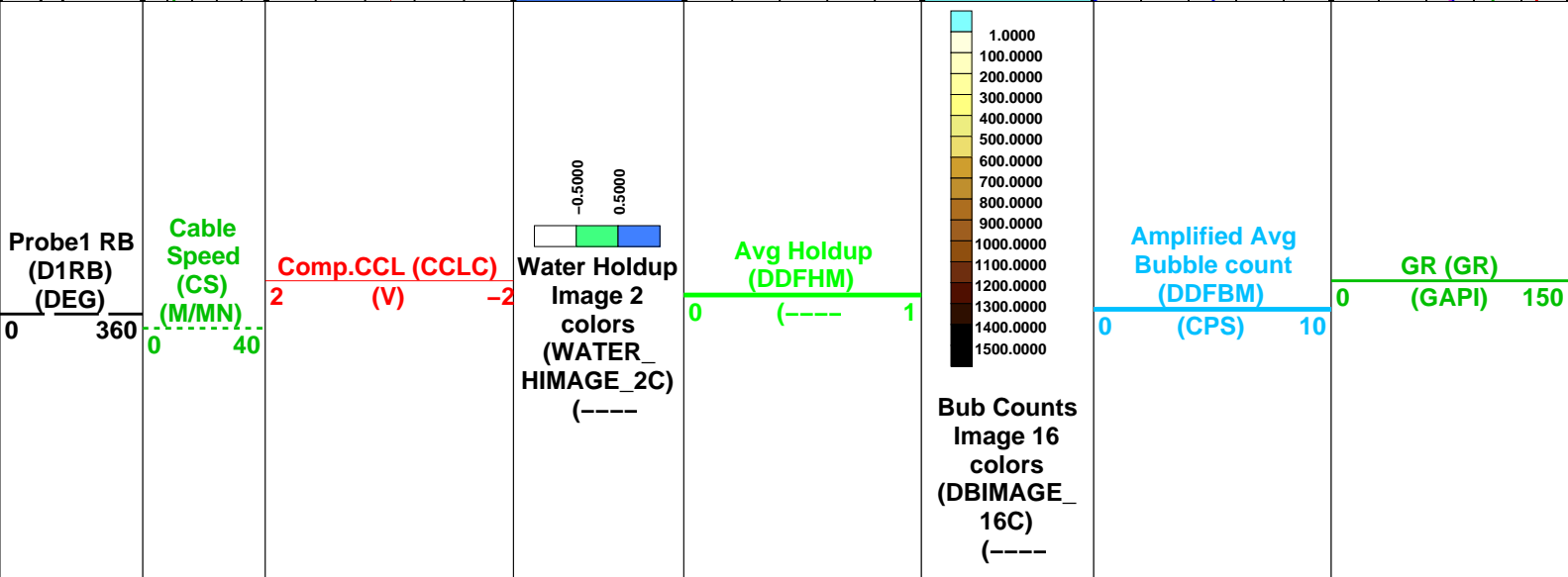
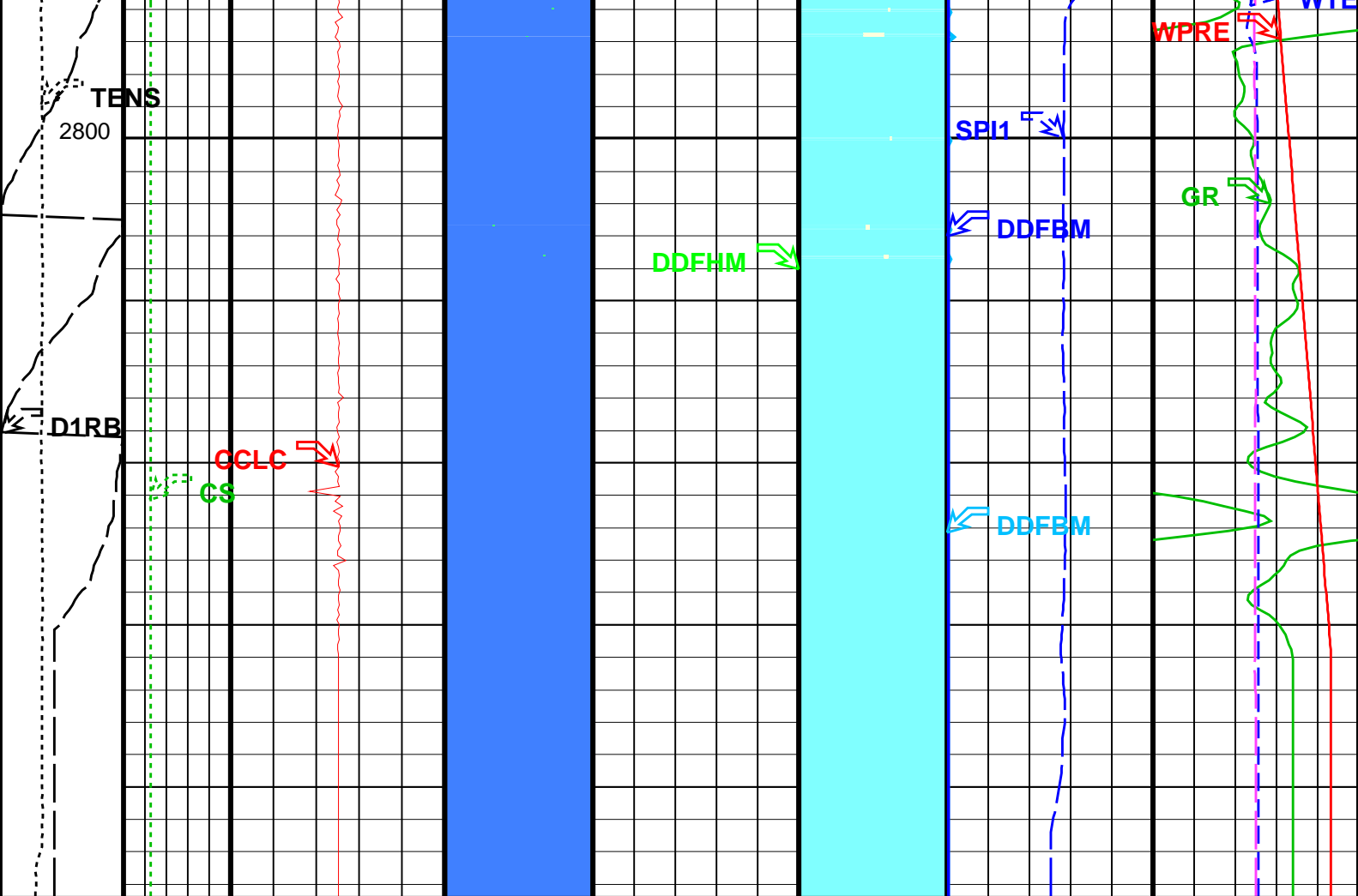
MCM

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

		Well Fluid Density (WFDE)	
		0	2
		(G/C3)	
		Filtered Auxiliary Spinner 1 (SPI1)	Well Temperature (WTEP)
		-20 (RPS)	220 (DEGF)
		20	230
		Avg BUB count (DDFBM)	Well Pressure (WPRE)
		0 (CPS)	3150 (PSIA)
		500	3250

Tension (TENS) (LBF)
0 2500



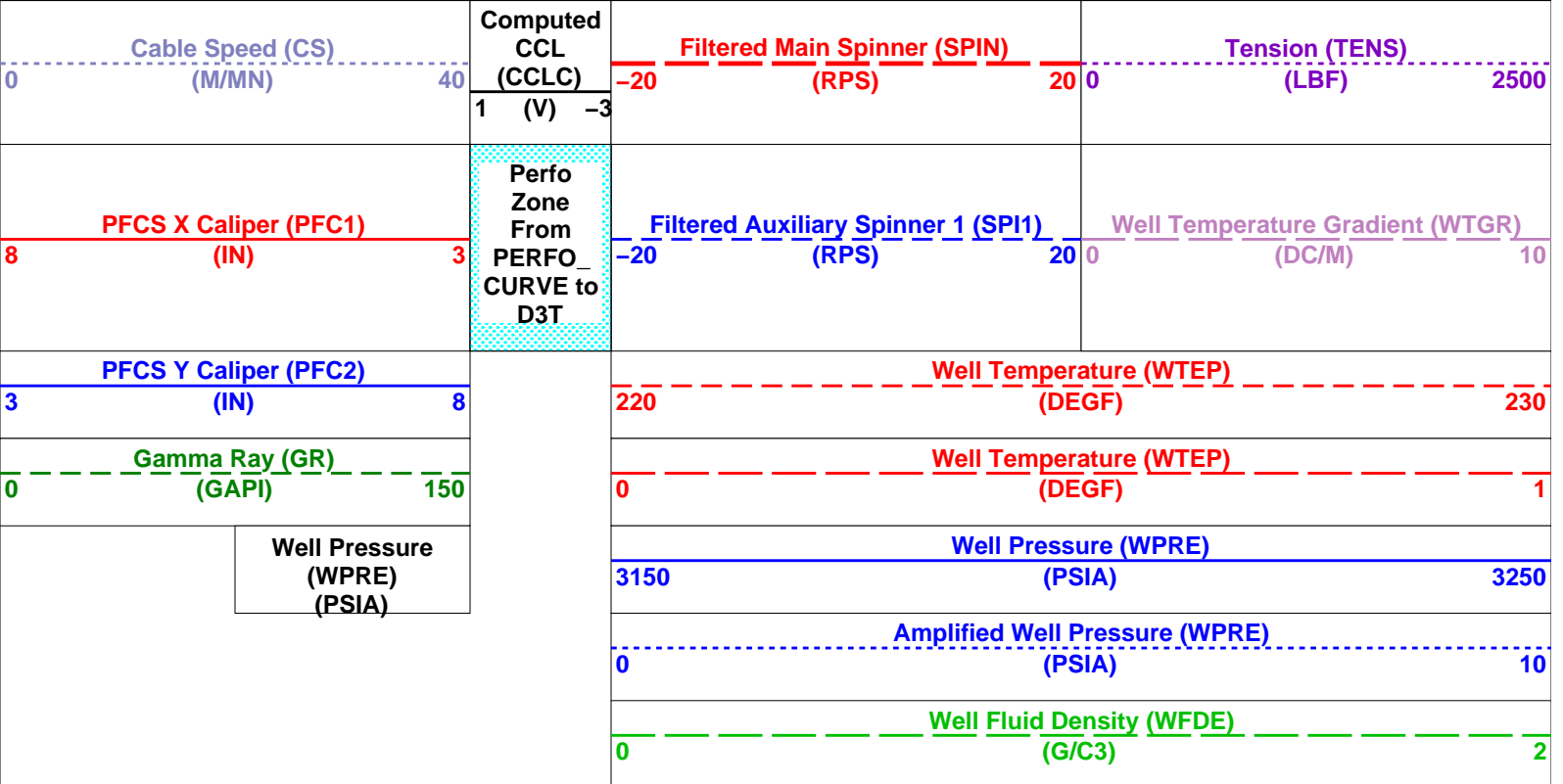
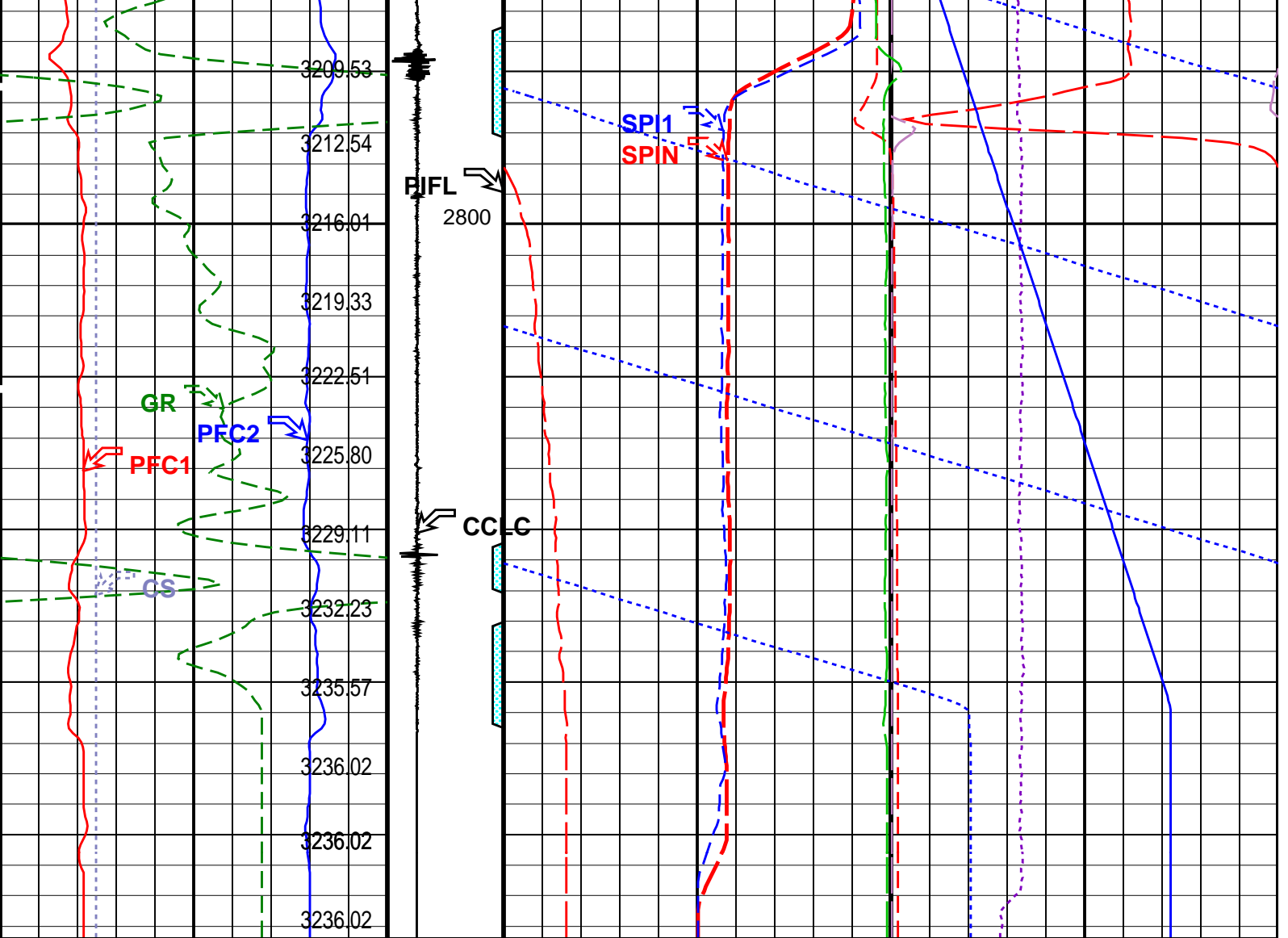


Tension (TENS) (LBF) 02500	Avg BUB count (DDFBM)		Well Pressure (WPRE)	
	0	(CPS) 500	3150	(PSIA) 3250
	Filtered Auxiliary Spinner 1 (SPI1)		Well Temperature (WTEP)	
	-20	(RPS) 20	220	(DEGF) 230
			Well Fluid Density (WFDE)	
			0	(G/C3) 2

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		
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	-1.7	M	
PP		Playback Processing	NORMAL		
Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_064LUP	PRODUCER	25-May-2007 16:52	2825.0 M	2765.3 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_068PUP	FN:60	PRODUCER	25-May-2007 16:56	

Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_064LUP	PRODUCER	25-May-2007 16:52	2825.0 M	2765.3 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_068PUP	FN:60	PRODUCER	25-May-2007 16:56	2823.4 M 2755.8 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	
<div> <div></div> <div>Time Mark Every 60 S</div> </div>	<div> <div></div> <div>Well Fluid Density (WFDE)</div> <div>0 (G/C3) 2</div> </div>



PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200

Graphics File Created: 25-May-2007 16:56

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

PILS-A 14C0-302
PGMC-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
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	-1.7 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_064LUP	PRODUCER	25-May-2007 16:52	2825.0 M	2765.3 M
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Output DLIS Files

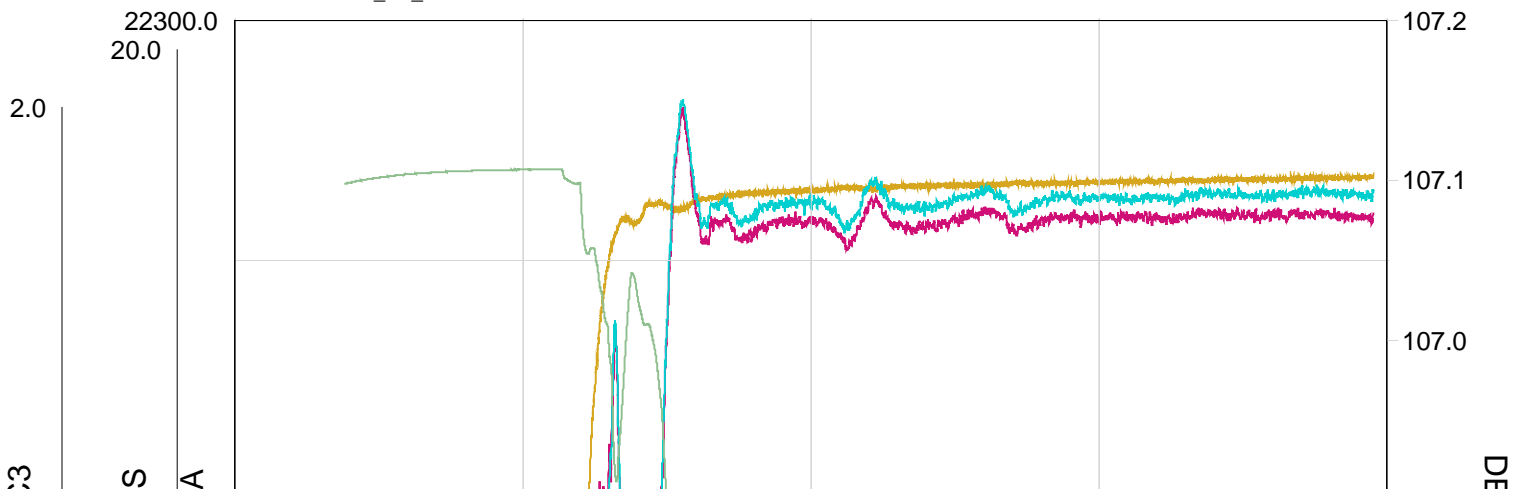
DEFAULT	FCS_ILS_DEFT_GMS_068PUP	FN:60	PRODUCER	25-May-2007 16:56
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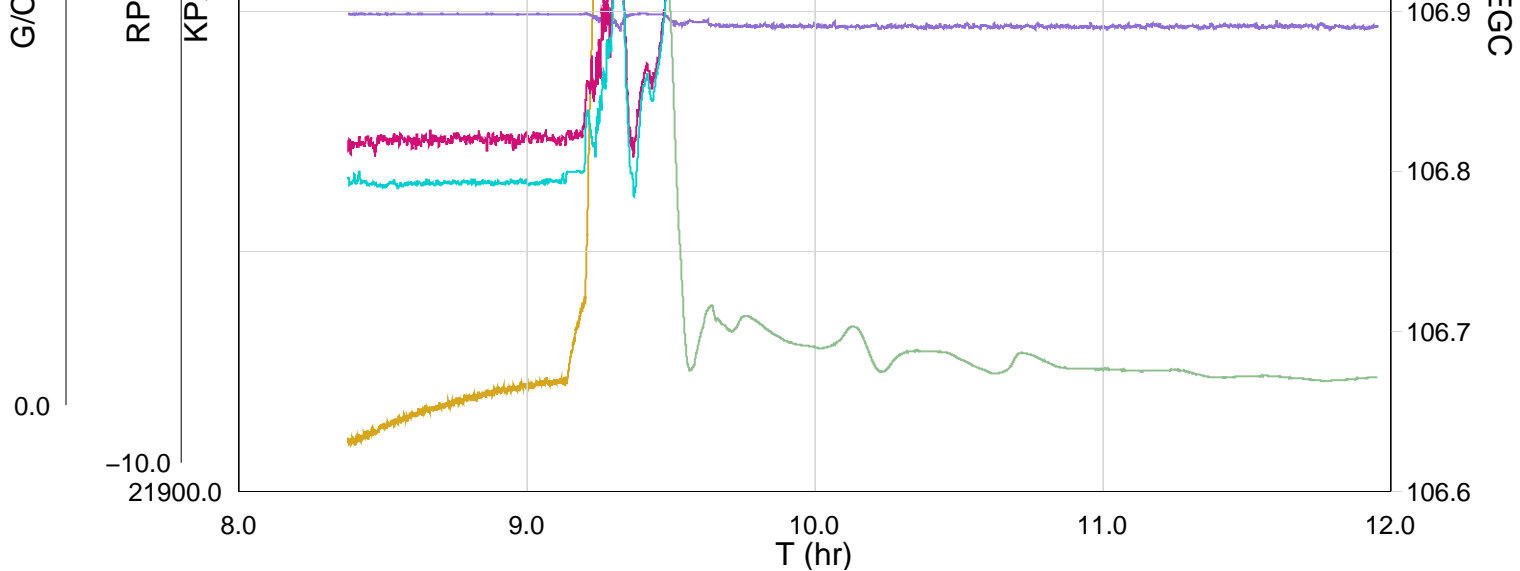
Schlumberger

Well Drawdown
@ 2785m MDKB

MAXIS Field Log

SPI1_SL_01
SPIN_SL_01
WFDE_SL_01
WPRE_SL_01
WTEP_SL_01





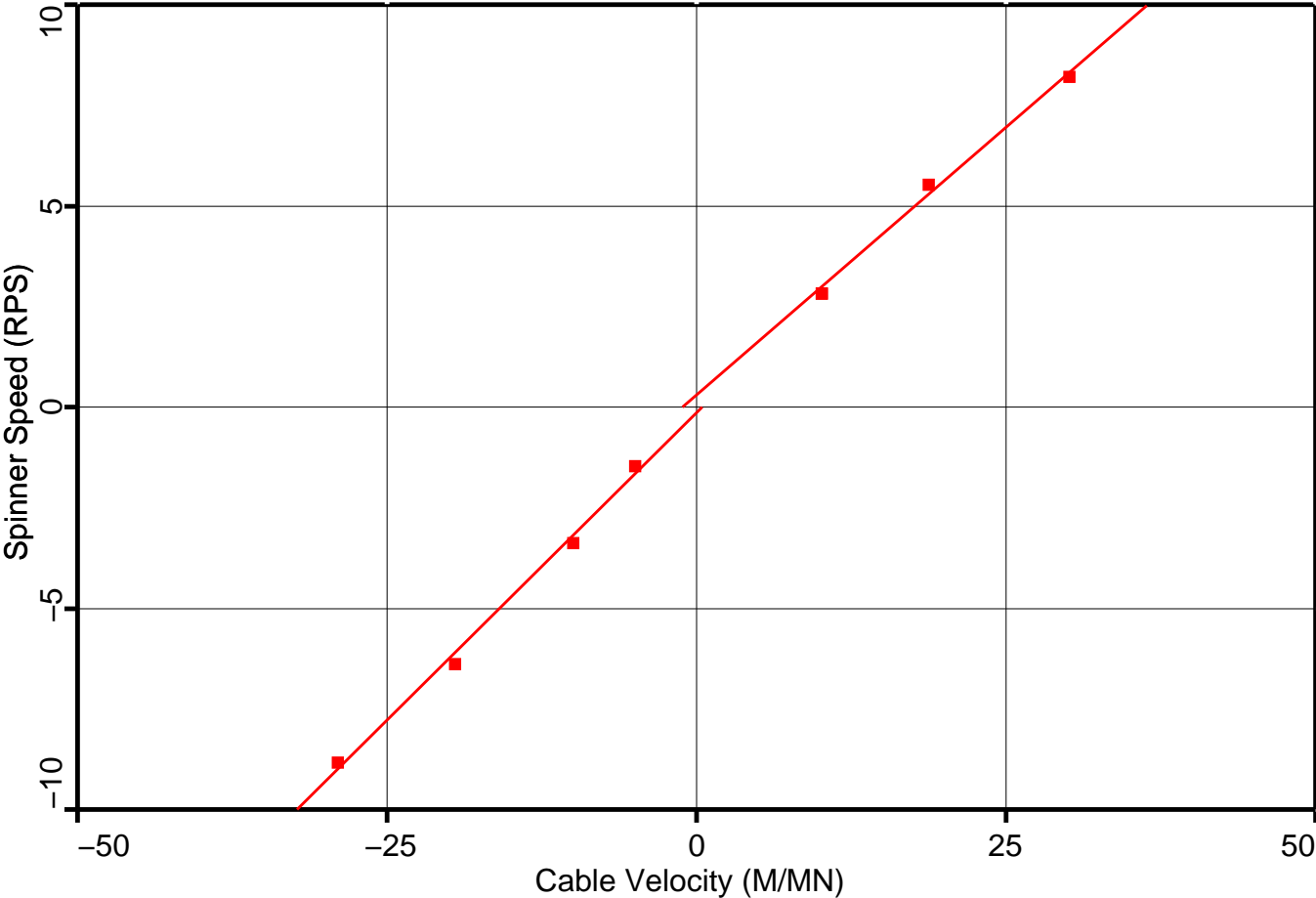
TIME DEGF	SPIN PSIA	AUX_SPIN	DFHM	DDFHM	WFDE
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6900.0	-0.1678	0.9673	1.0000	1.0000	0.9954
223.9346	3224.4666				
7200.0	-0.1422	0.9572	1.0000	1.0000	0.9954
223.9385	3224.6184				
7500.0	-0.4638	1.1125	1.0000	1.0000	0.9947
223.9547	3224.8553				
7800.0	-0.3689	1.0856	1.0000	1.0000	0.9946
223.9639	3225.0252				
8100.0	-0.3604	0.8257	1.0000	1.0000	0.9947
223.9750	3225.1436				
8400.0	-0.3177	1.0348	1.0000	1.0000	0.9944
223.9823	3225.2073				
8700.0	-0.3873	0.9963	1.0000	1.0000	0.9945
223.9858	3225.2652				
9000.0	-0.3879	1.0761	1.0000	1.0000	0.9945
223.9962	3225.3047				
9300.0	-0.4002	1.0317	1.0000	1.0000	0.9943
224.0004	3225.3272				
9600.0	-0.2789	0.9869	1.0000	1.0000	0.9943
224.0032	3225.3346				
9900.0	-0.0064	1.2209	1.0000	1.0000	0.9947
224.0633	3224.5422				
10200.0	2.1678	2.9903	0.9561	0.9596	0.9835
224.5649	3219.8567				
10500.0	5.1139	5.3124	0.9619	0.9662	0.9815
224.7316	3209.2101				
10800.0	2.9130	3.2232	1.0000	1.0000	0.9950
224.7491	3215.9667				
11100.0	11.3228	11.0507	0.9553	0.9616	0.9786
224.7473	3202.9142				
11400.0	15.3263	14.9294	0.9723	0.9642	0.9793
224.7542	3184.6433				
11700.0	14.2247	13.6587	0.9734	0.9670	0.9713
224.7608	3186.6136				
12000.0	13.7039	13.1717	0.9717	0.9699	0.9697
224.7641	3186.9167				
12300.0	14.2584	13.4980	0.9651	0.9690	0.9733
224.7681	3186.0608				

224.7681	3185.0098				
12600.0	14.2745	13.7299	0.9650	0.9666	0.9698
224.7694	3185.2866				
12900.0	14.1232	13.7694	0.9668	0.9701	0.9704
224.7691	3185.0313				
13200.0	13.9493	13.4033	0.9640	0.9650	0.9681
224.7708	3185.5026				
13500.0	14.0730	13.4785	0.9799	0.9721	0.9694
224.7733	3185.4810				
13800.0	14.5794	13.8897	0.9750	0.9676	0.9676
224.7743	3183.7976				
14100.0	14.1133	13.5953	0.9651	0.9670	0.9684
224.7730	3184.8067				
14400.0	14.0224	13.5579	0.9667	0.9648	0.9661
224.7728	3184.7781				
14700.0	14.3887	13.7932	0.9575	0.9604	0.9685
224.7726	3184.3288				
15000.0	14.6088	13.9510	0.9682	0.9672	0.9726
224.7767	3183.6718				
15300.0	14.5127	13.8821	0.9660	0.9667	0.9719
224.7782	3183.7076				
15600.0	14.1919	13.5625	0.9654	0.9666	0.9685
224.7768	3184.5690				
15900.0	14.5551	13.7889	0.9639	0.9666	0.9712
224.7789	3183.8934				
16200.0	14.3250	13.9033	0.9754	0.9722	0.9685
224.7765	3183.7410				
16500.0	14.3560	13.7154	0.9654	0.9631	0.9726
224.7785	3183.7096				
16800.0	14.3661	13.9368	0.9746	0.9743	0.9722
224.7788	3183.6450				
17100.0	14.6147	13.7817	0.9626	0.9676	0.9748
224.7814	3183.6137				
17400.0	14.4770	13.6709	0.9746	0.9751	0.9695
224.7825	3183.6720				
17700.0	14.6174	13.9583	0.9649	0.9662	0.9666
224.7797	3183.3784				
18000.0	14.5945	14.0117	0.9700	0.9684	0.9685
224.7801	3183.2115				
18300.0	14.4519	13.8692	0.9669	0.9683	0.9696
224.7823	3183.2679				
18600.0	14.6612	14.0059	0.9680	0.9676	0.9689
224.7839	3183.2955				
18900.0	14.6482	13.9407	0.9610	0.9668	0.9698
224.7830	3183.1791				
19200.0	14.6148	13.9519	0.9650	0.9642	0.9746
224.7831	3183.0337				
19500.0	14.5427	13.7357	0.9694	0.9677	0.9679
224.7828	3183.0812				
19800.0	14.4817	13.8025	0.9659	0.9697	0.9670
224.7824	3183.2031				

Production Logging Quicklook Spinner Calibration

	Zone Depth (M)	Fluid Vel. (M/MN)	Positive Spinner			Negative Spinner		
			Slope (RSMM)	Intercept (M/MN)	Correl.	Slope (RSMM)	Intercept (M/MN)	Correl.
■	Zone 1 2785.0 – 2775.0 :	1.\$	0.2667	–1.1	0.996	0.3055	0.5	0.997



Shut-In Multipass Spinners

PLQL Data Manager Files

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

Company: Esso Australia Pty Ltd.

Well: A-16

Output DLIS Files

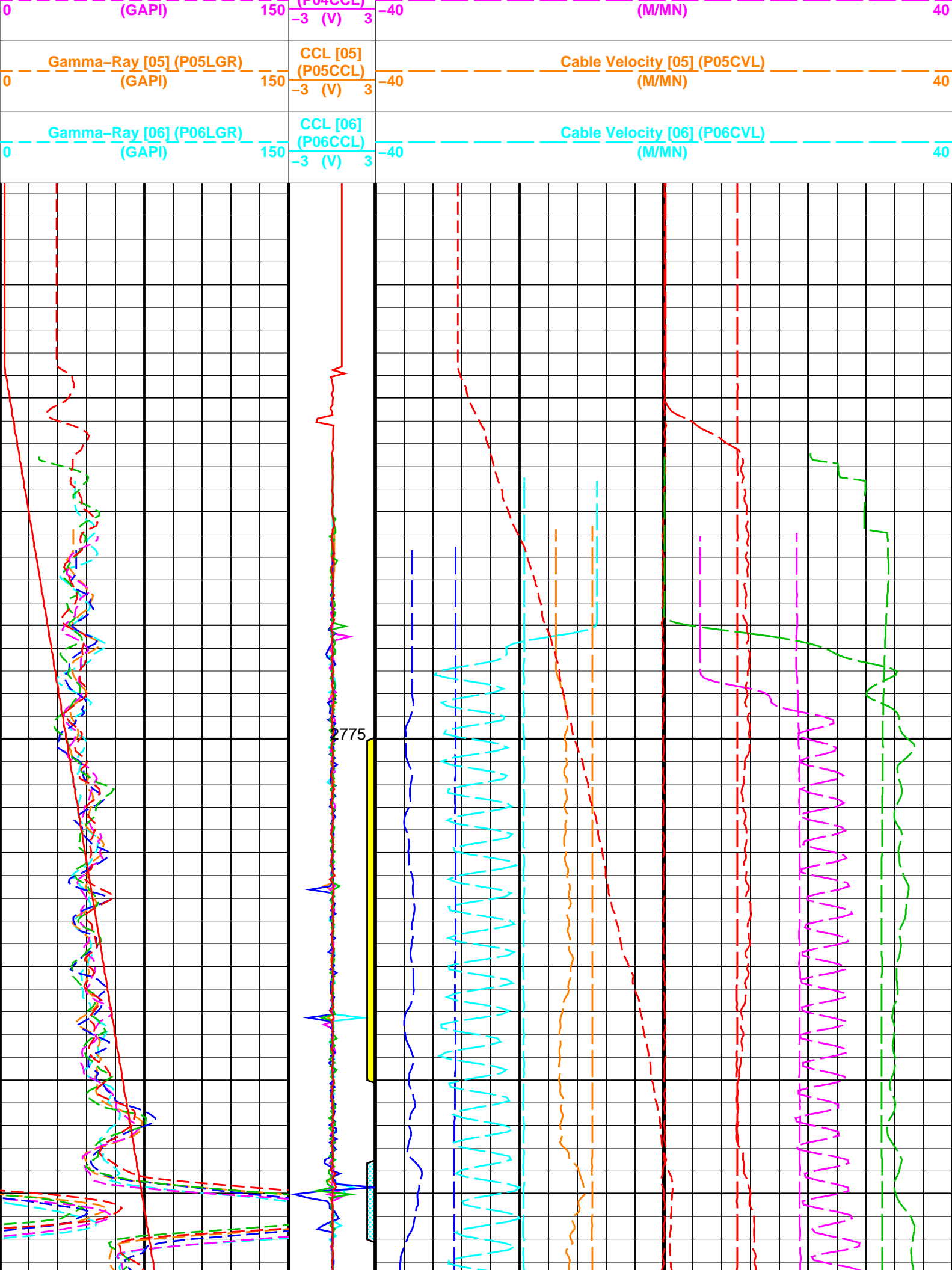
DEFAULT FCS_ILS_DEFT_GMS_047PUP FN:43 PRODUCER 24-May-2007 23:21 2819.4 M 2750.5 M

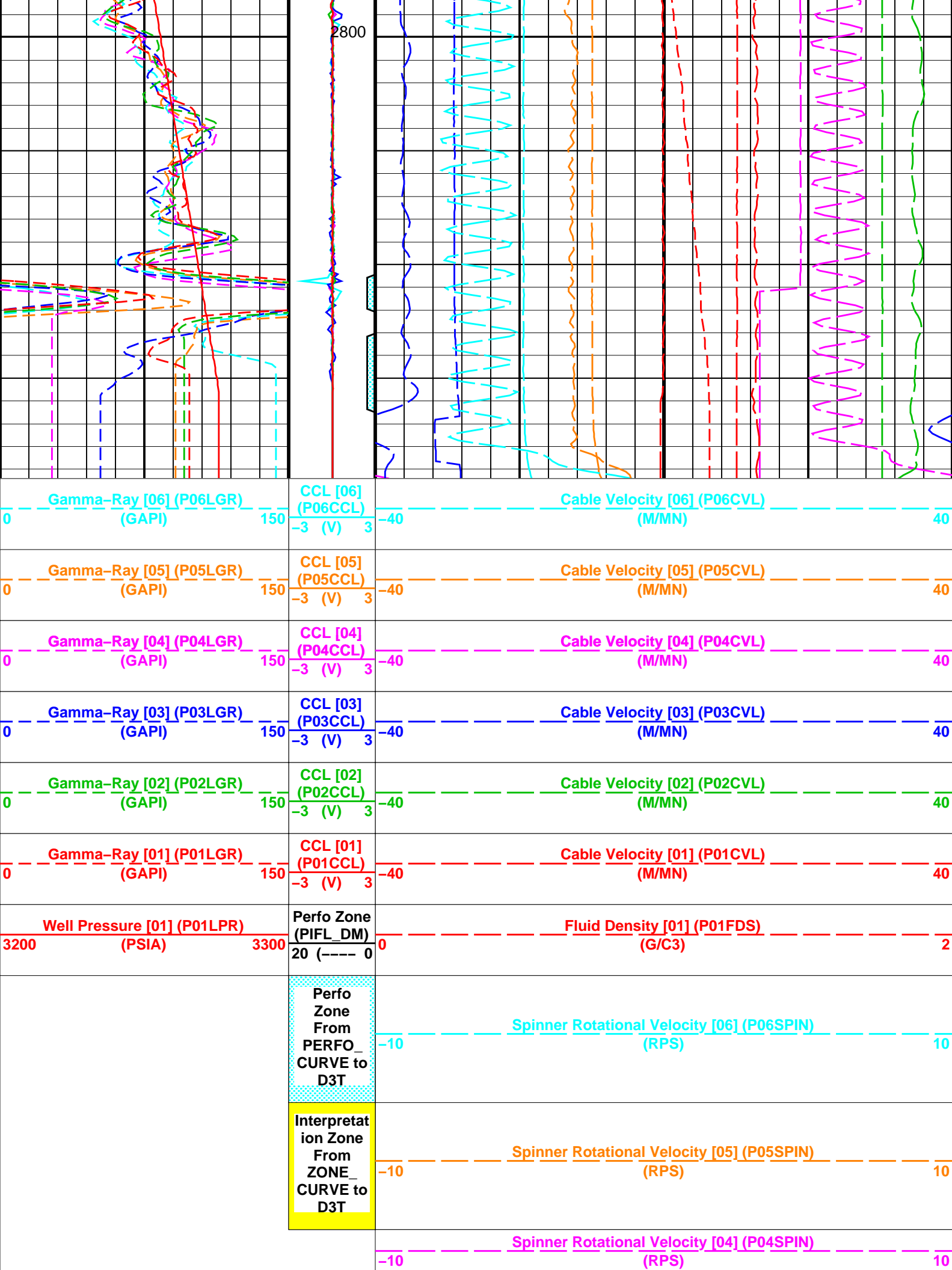
OP System Version: 14C0-302

MCM

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

		Fluid Temperature [01] (P01TMP) 223 ----- (DEGF) ----- 226	
		Spinner Rotational Velocity [01] (P01SPIN) -10 ----- (RPS) ----- 10	
		Spinner Rotational Velocity [02] (P02SPIN) -10 ----- (RPS) ----- 10	
		Spinner Rotational Velocity [03] (P03SPIN) -10 ----- (RPS) ----- 10	
		Spinner Rotational Velocity [04] (P04SPIN) -10 ----- (RPS) ----- 10	
Interpretation Zone From ZONE_ CURVE to D3T		Spinner Rotational Velocity [05] (P05SPIN) -10 ----- (RPS) ----- 10	
Perfo Zone From PERFO_ CURVE to D3T		Spinner Rotational Velocity [06] (P06SPIN) -10 ----- (RPS) ----- 10	
Well Pressure [01] (P01LPR) 3200 ----- (PSIA) ----- 3300	Perfo Zone (PIFL_DM) 20 (---- 0	Fluid Density [01] (P01FDS) 0 ----- (G/C3) ----- 2	
Gamma-Ray [01] (P01LGR) 0 ----- (GAPI) ----- 150	CCL [01] (P01CCL) -3 (V) 3	Cable Velocity [01] (P01CVL) -40 ----- (M/MN) ----- 40	
Gamma-Ray [02] (P02LGR) 0 ----- (GAPI) ----- 150	CCL [02] (P02CCL) -3 (V) 3	Cable Velocity [02] (P02CVL) -40 ----- (M/MN) ----- 40	
Gamma-Ray [03] (P03LGR) 0 ----- (GAPI) ----- 150	CCL [03] (P03CCL) -3 (V) 3	Cable Velocity [03] (P03CVL) -40 ----- (M/MN) ----- 40	
Gamma-Ray [04] (P04LGR)	CCL [04] (P04CCL)	Cable Velocity [04] (P04CVL)	





	<u>Spinner Rotational Velocity [03] (P03SPIN)</u>	
-10	(RPS)	10
	<u>Spinner Rotational Velocity [02] (P02SPIN)</u>	
-10	(RPS)	10
	<u>Spinner Rotational Velocity [01] (P01SPIN)</u>	
-10	(RPS)	10
	<u>Fluid Temperature [01] (P01TMP)</u>	
223	(DEGF)	226

Parameters			
DLIS Name		Description	Value
CSID	PFCS-A: PSP Flow and caliper Tool	Casing Size I.D.	6.875 IN
CSID	DEFT-C2: DEFT_C Tool	Casing Size I.D.	6.875 IN
CSID	PGMC-A/B: PSP Gradiomanometer Measurement Module	Casing Size I.D.	6.875 IN
CSID	PSPT-A/B: Production Services Logging Platform	Casing Size I.D.	6.875 IN
CSID	BORDYN: BorDyn (Well Test Validation)	Casing Size I.D.	6.875 IN
CSID	PLQL: Production Logging Quick Look	CCL Selector	CCLC
CCLS		Cased Hole Diameter Selector	PFC1
FCHD		CVEL Selector	CVEL
PCVS		GR Selector	GR
PGRS		Pressure Gauge Selector	WPRE
PGS		PLQL Water HoldUp Selector	DFHM
PWHS		Fluid Density Selector	WFDE
RHOS		Spinner Selector	SPIN
SPIS		Temperature Selector	WTEP
TMPS	System and Miscellaneous		
DO		Depth Offset for Playback	-0.8 M
PP		Playback Processing	NORMAL

Format: PLQLMultipasses

Vertical Scale: 1:200

Graphics File Created: 24-May-2007 23:21

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_047PUP	FN:43	PRODUCER 24-May-2007 23:21



Job Event Summary

MAXIS Field Log

Schlumberger Job Event Summary			
Time	Elapsed Time	Depth (M)	File

Log Pass (down) 24-May-2007 17:36 000:09 2732.1 - 2824.9 FCS_ILS_DEFT_GMS_015LDP
Log Pass (up) 24-May-2007 17:46 000:09 2824.9 - 2777.5 FCS_ILS_DEFT_GMS_016LUP
Log Pass (down) 24-May-2007 17:56 000:03 2764.7 - 2823.2 FCS_ILS_DEFT_GMS_017LDP
Log Pass (up) 24-May-2007 17:59 000:02 2823.2 - 2767.3 FCS_ILS_DEFT_GMS_018LUP
Log Pass (down) 24-May-2007 18:01 000:04 2767.9 - 2821.8 FCS_ILS_DEFT_GMS_019LDP
Log Pass (up) 24-May-2007 18:06 000:05 2821.8 - 2766.4 FCS_ILS_DEFT_GMS_020LUP
Log Pass (up) 24-May-2007 18:12 000:04 2821.7 - 2763.9 FCS_ILS_DEFT_GMS_021LUP

Schlumberger

Static Pass # 6
Up @ 1970 ft/hr

MAXIS Field Log

Input DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_020LUP FN:19 PRODUCER 24-May-2007 18:06 2821.8 M 2766.4 M

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_044PUP FN:40 PRODUCER 24-May-2007 23:16 2820.8 M 2757.5 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

PFCS Caliper Y
(PFC2)
3 (IN) 8

PFCS Caliper X
(PFC1)
8 (IN) 3

PFCS Fluid
Resistivity (DRES)
0 (OHMM) 360

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

Avg Holdup
(DDFHM)
0 (----) 1

Filtered Bubble
Count (FBM)
0 (CPS) 500

Avg BUB count
(DDFBM)
0 (CPS) 500

Cable Speed (CS)
0 (M/MN) 50

Well Temperature
(WTEP)
220 (DEGF) 230

Well Pressure
(WPRE)
3100 (PSIA) 3300

Amplified
Temperature
(WTEP)
0 (DEGF) 2

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

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

PFCS Spinner
(SPIN)
-10 (RPS) 10

-0.5000
0.5000
Water
Holdup

PFCS Computed
Holdup (DECHM)

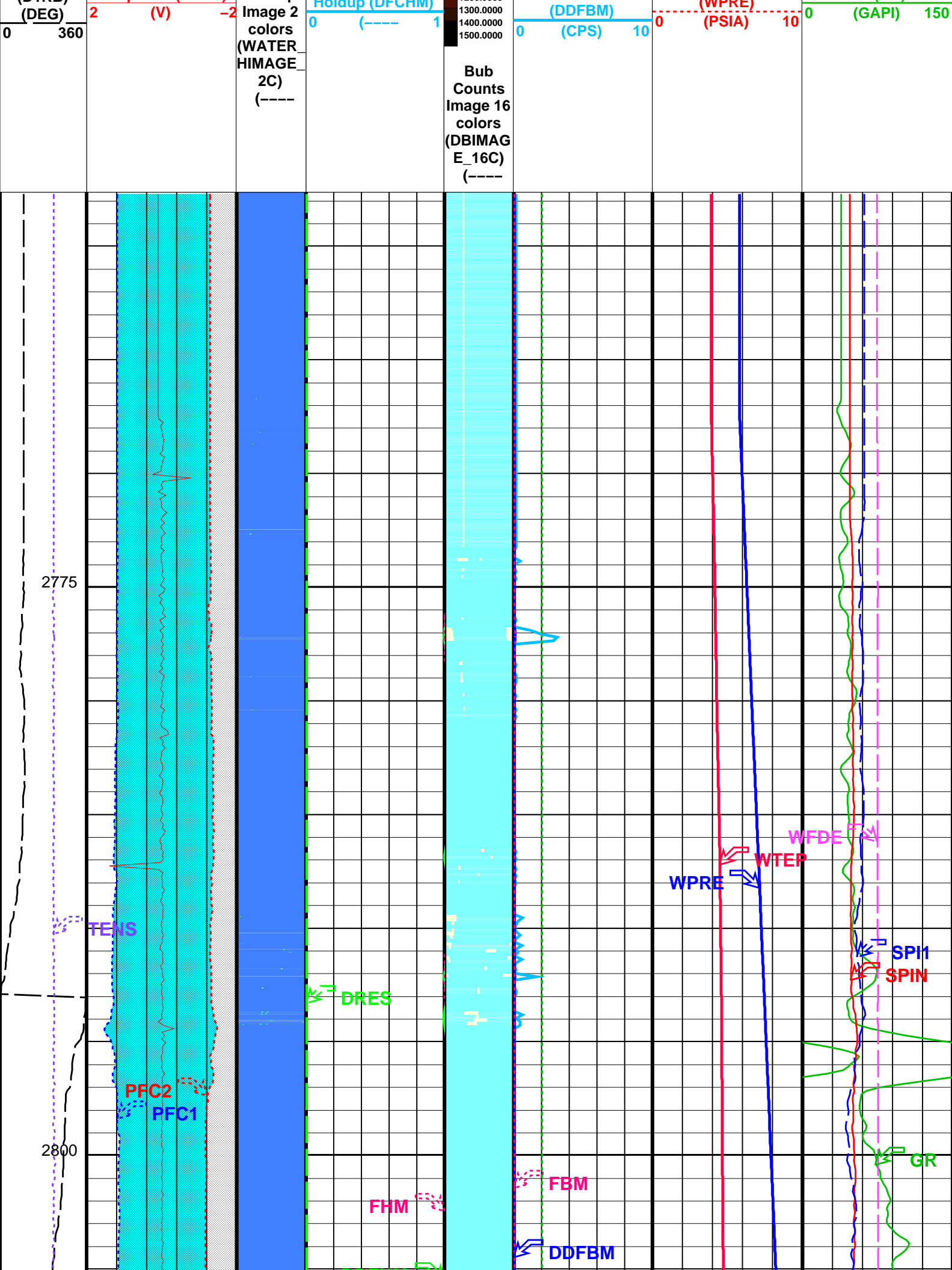
Amplified Avg
Bubble count

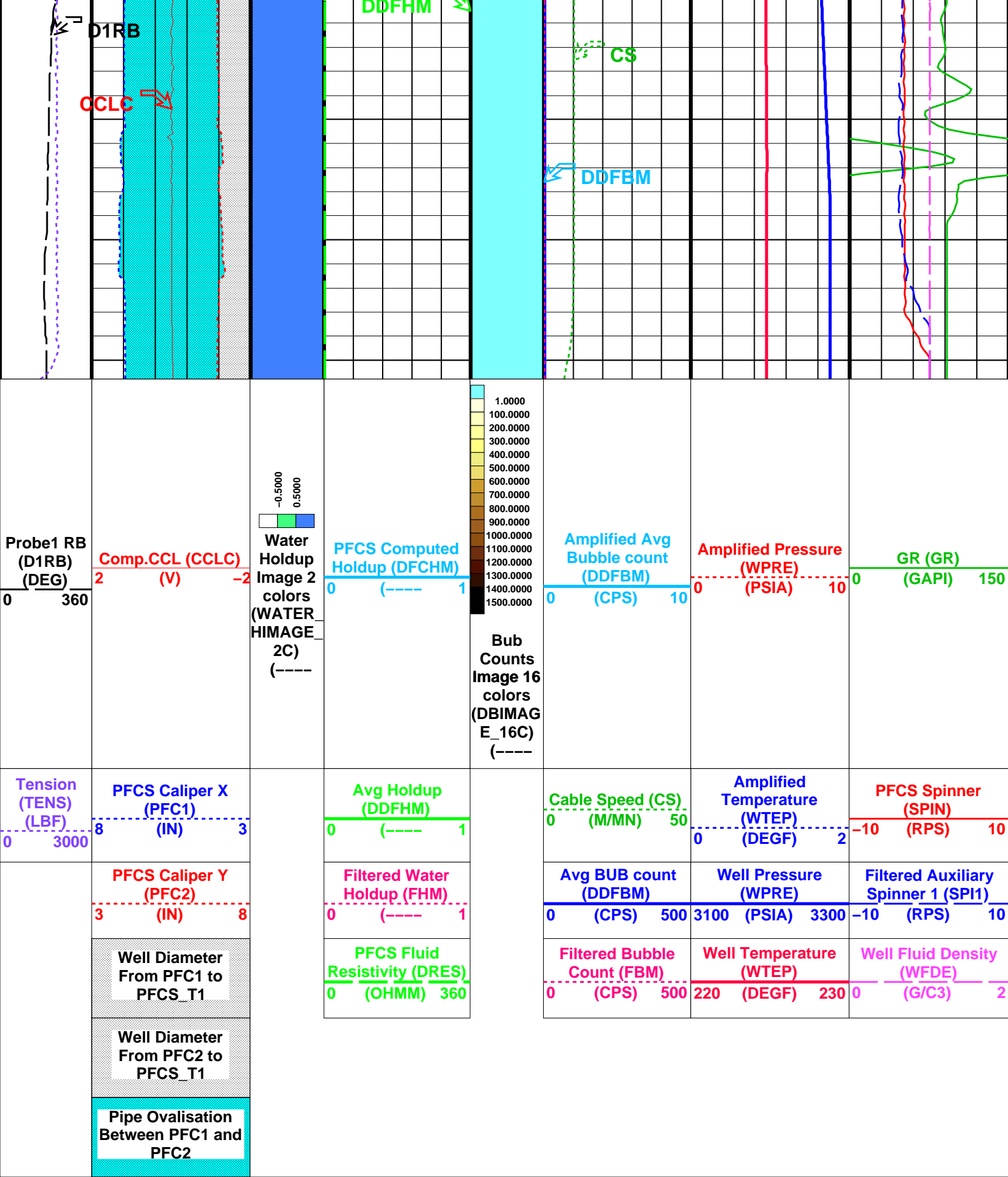
Amplified Pressure
(WPRE)

GR (GR)

Probe1 RB
(D1RB)

Comp.CCL (CCLC)





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	
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

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
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System and Miscellaneous

CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-1.1	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_020LUP	FN:19	PRODUCER	24-May-2007 18:06	2821.8 M	2766.4 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_044PUP	FN:40	PRODUCER	24-May-2007 23:16
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Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_020LUP	FN:19	PRODUCER	24-May-2007 18:06	2821.8 M	2766.4 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_044PUP	FN:40	PRODUCER	24-May-2007 23:16	2820.8 M	2757.5 M
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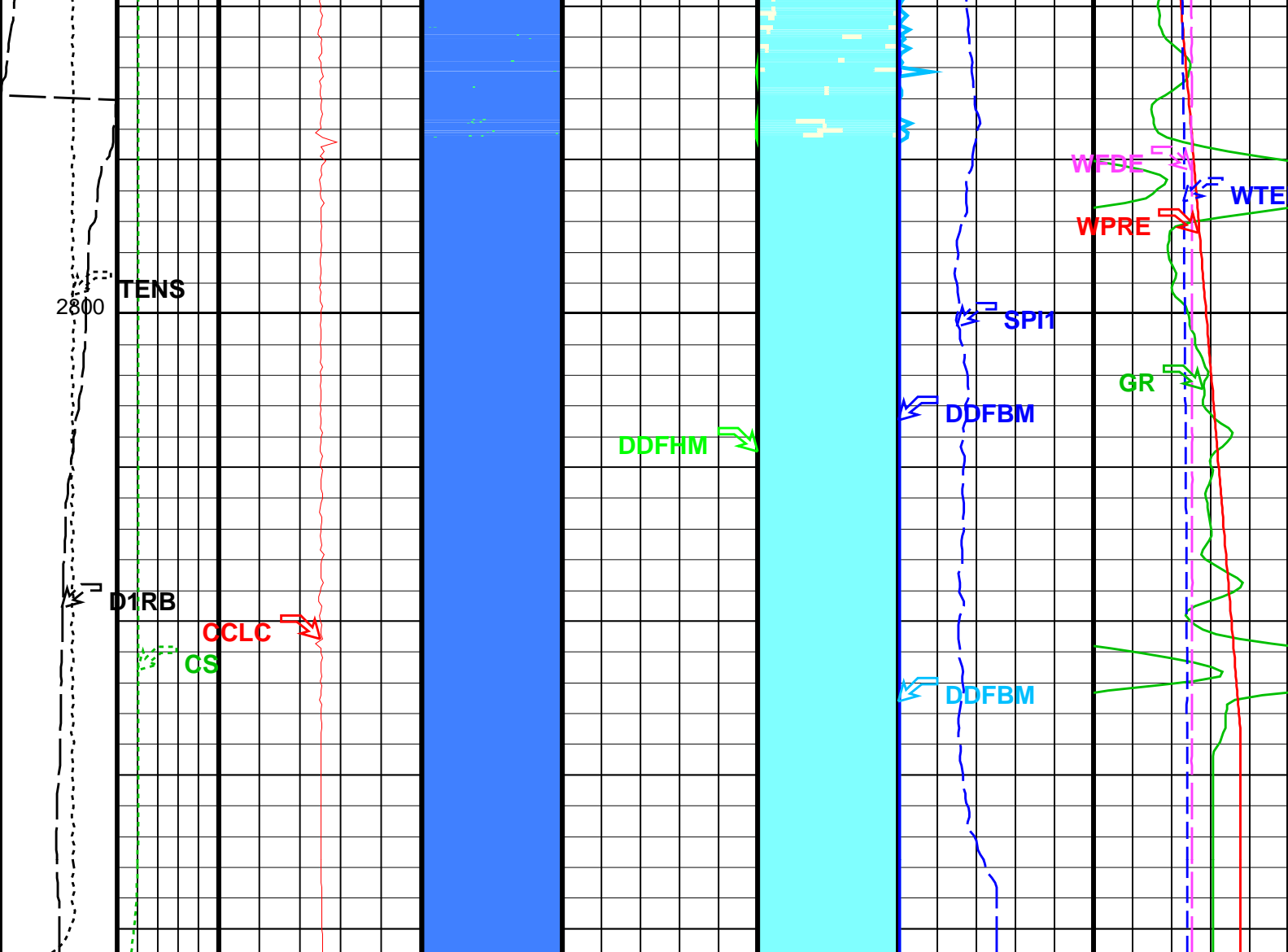
OP System Version: 14C0-302

MCM

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

Well Fluid Density
(WFDE)

Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (M/MN)	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)	GR (GR) (GAPI)
0 360	0 50	2 -2	-0.5000 0.5000	0 1	1.0000 1500.0000	0 10	0 150



<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</div>	<div>Cable Speed (CS) (M/MN)</div> <div>050</div>	<div>Comp.CCL (CCLC) (V)</div> <div>2-2</div>	<div>Water Holdup Image 2 colors (WATER_ HIMAGE_2C) (----</div> <div><div>-0.50000.5000</div></div>	<div>Avg Holdup (DDFHM)</div> <div>0-----1</div>	<div><div><div>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</div></div><div>Bub Counts Image 16 colors (DBIMAGE_ 16C) (----</div></div>	<div>Amplified Avg Bubble count (DDFBM)</div> <div>0(CPS)10</div>	<div>GR (GR) (GAPI)</div> <div>0150</div>	
<div>Tension (TENS) (LBF)</div> <div>03000</div>						<div>Avg BUB count (DDFBM)</div> <div>0(CPS)500</div>	<div>Well Pressure (WPRE)</div> <div>3200 (PSIA)3300</div>	
							<div>Filtered Auxiliary Spinner 1 (SPI1)</div> <div>-10 (RPS)10</div>	<div>Well Temperature (WTEP) (DEGF)</div> <div>220230</div>
							<div>Well Fluid Density (WFDE) (G/C3)</div> <div>02</div>	

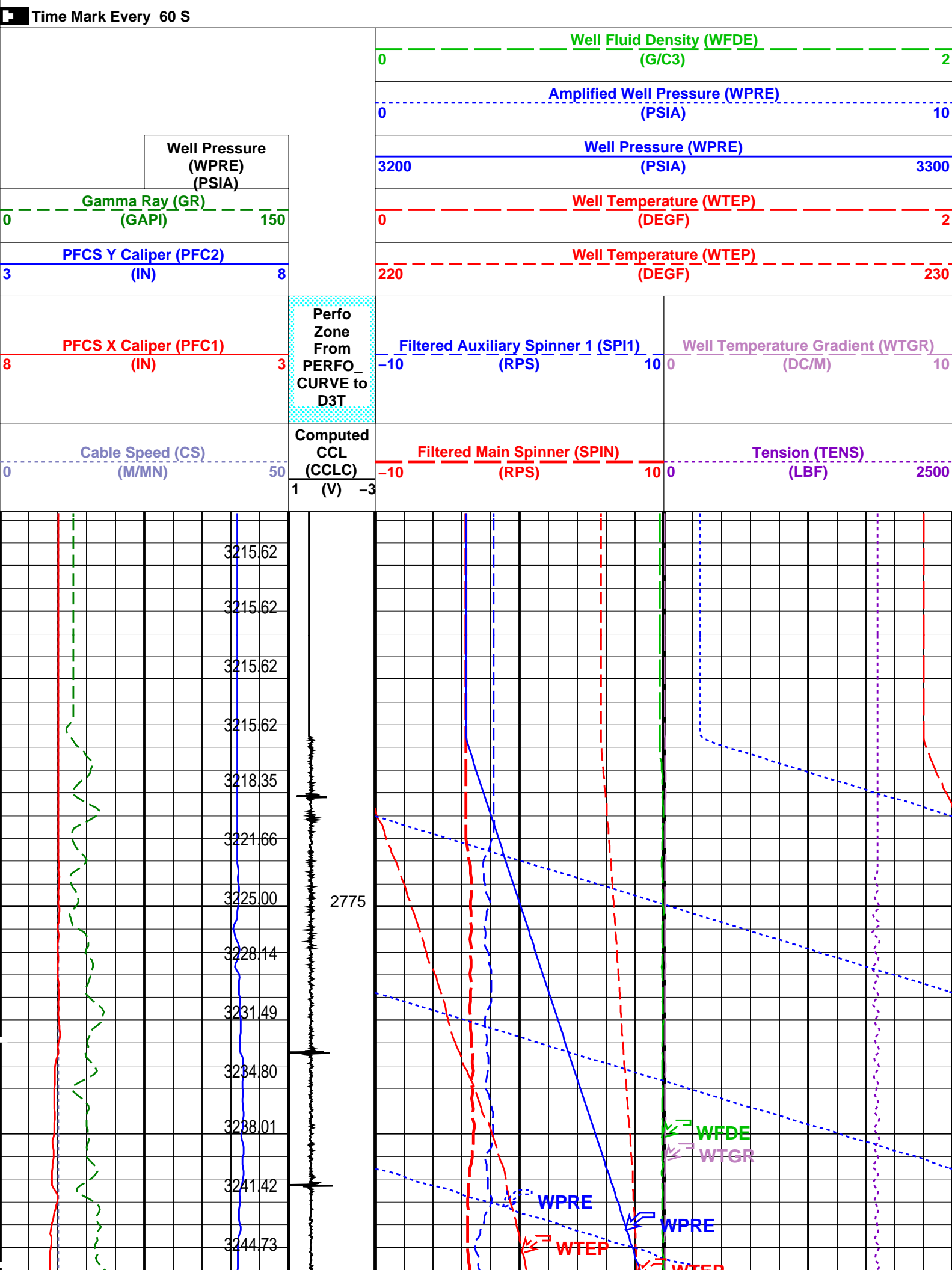
OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

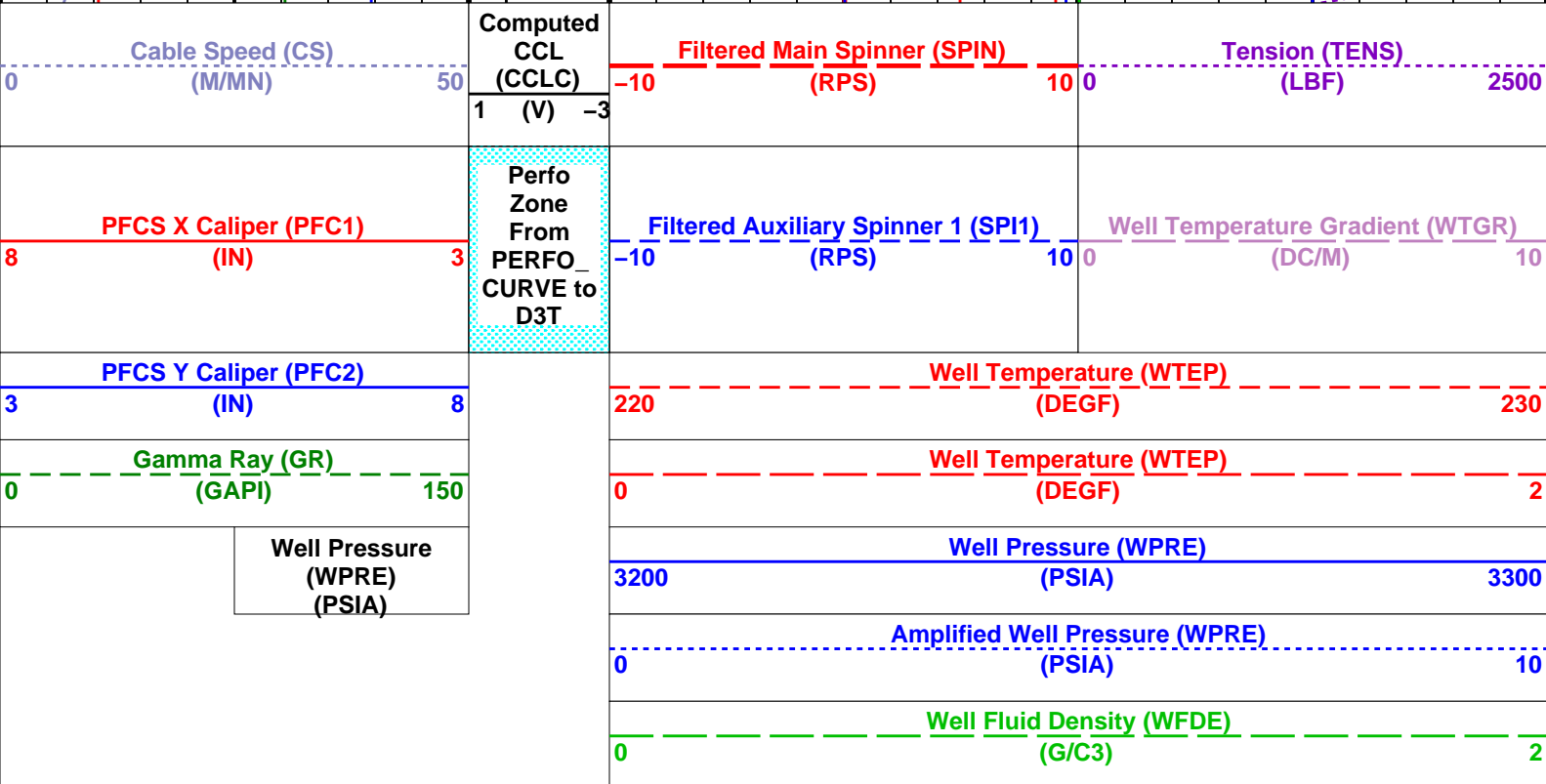
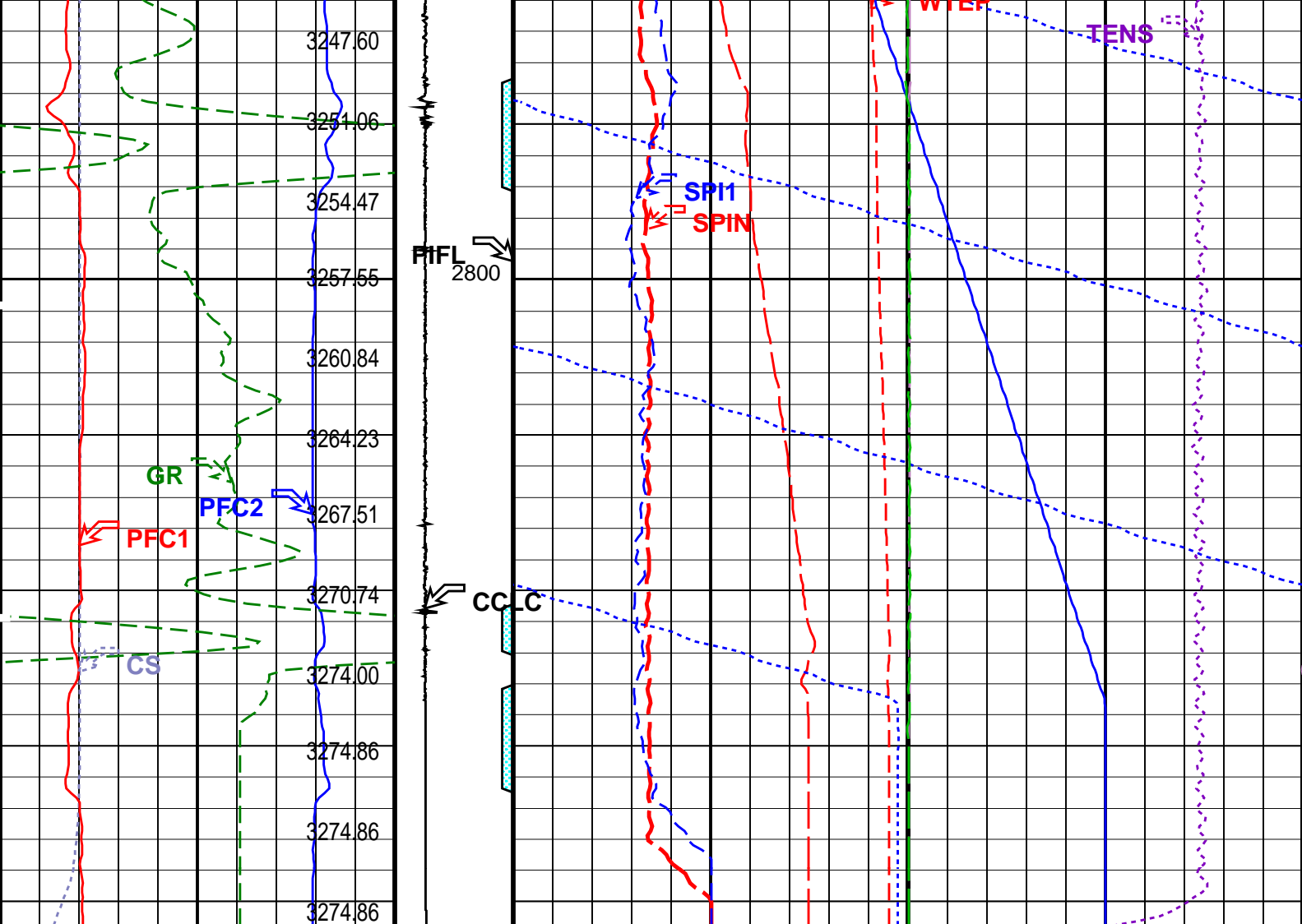
Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	A	
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	-1.1	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_020LUP	FN:19	PRODUCER	24-May-2007 18:06	2821.8 M	2766.4 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_044PUP	FN:40	PRODUCER	24-May-2007 23:16		

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_020LUP	FN:19	PRODUCER	24-May-2007 18:06	2821.8 M	2766.4 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_044PUP	FN:40	PRODUCER	24-May-2007 23:16	2820.8 M	2757.5 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

Format: PSP_1 Vertical Scale: 1:200


Graphics File Created: 24-May-2007 23:16

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		

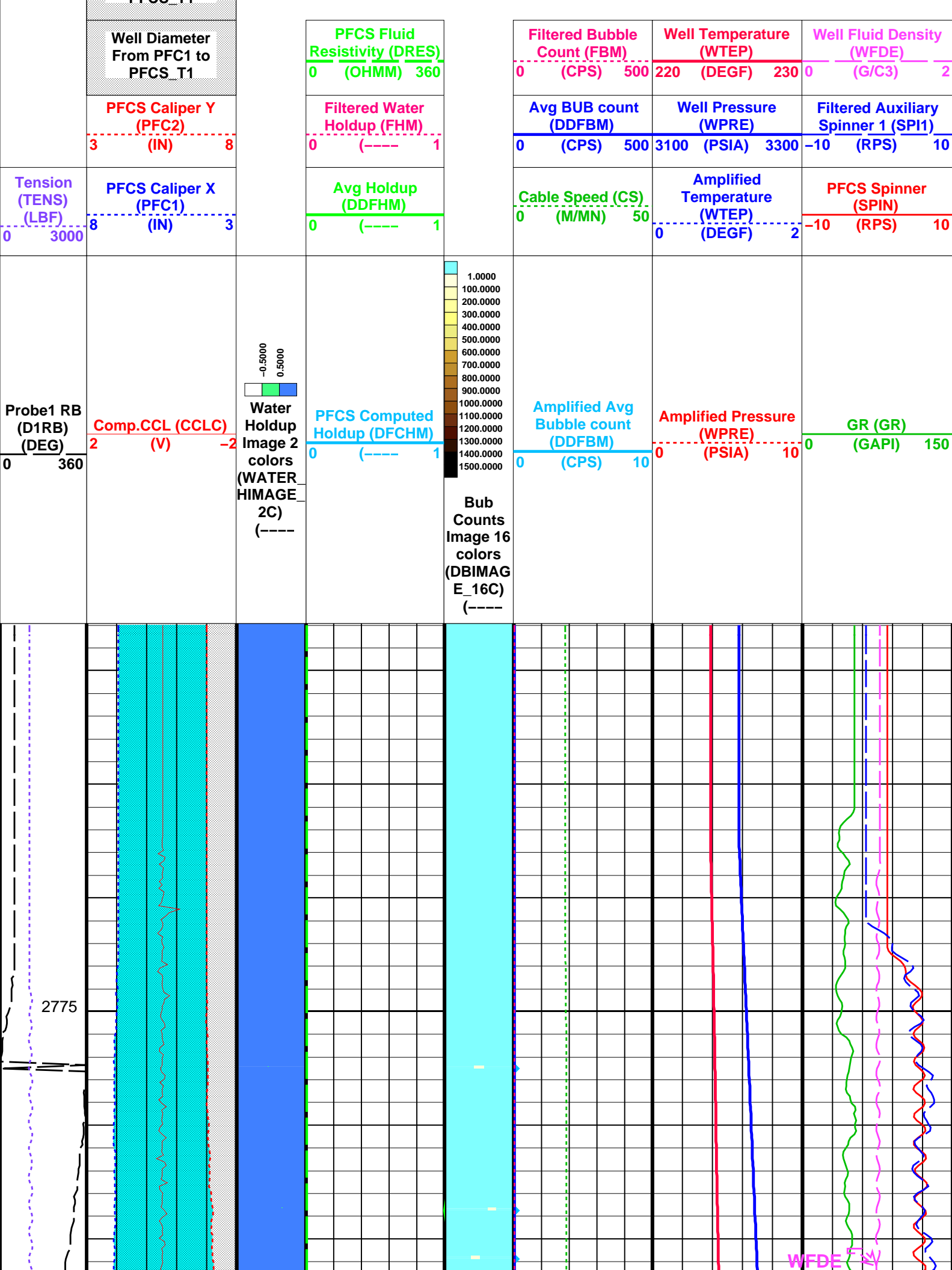
Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PILS-A: PSP In Line Spinner Flowmeter			
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	
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	-1.1	M
PP	Playback Processing	NORMAL	

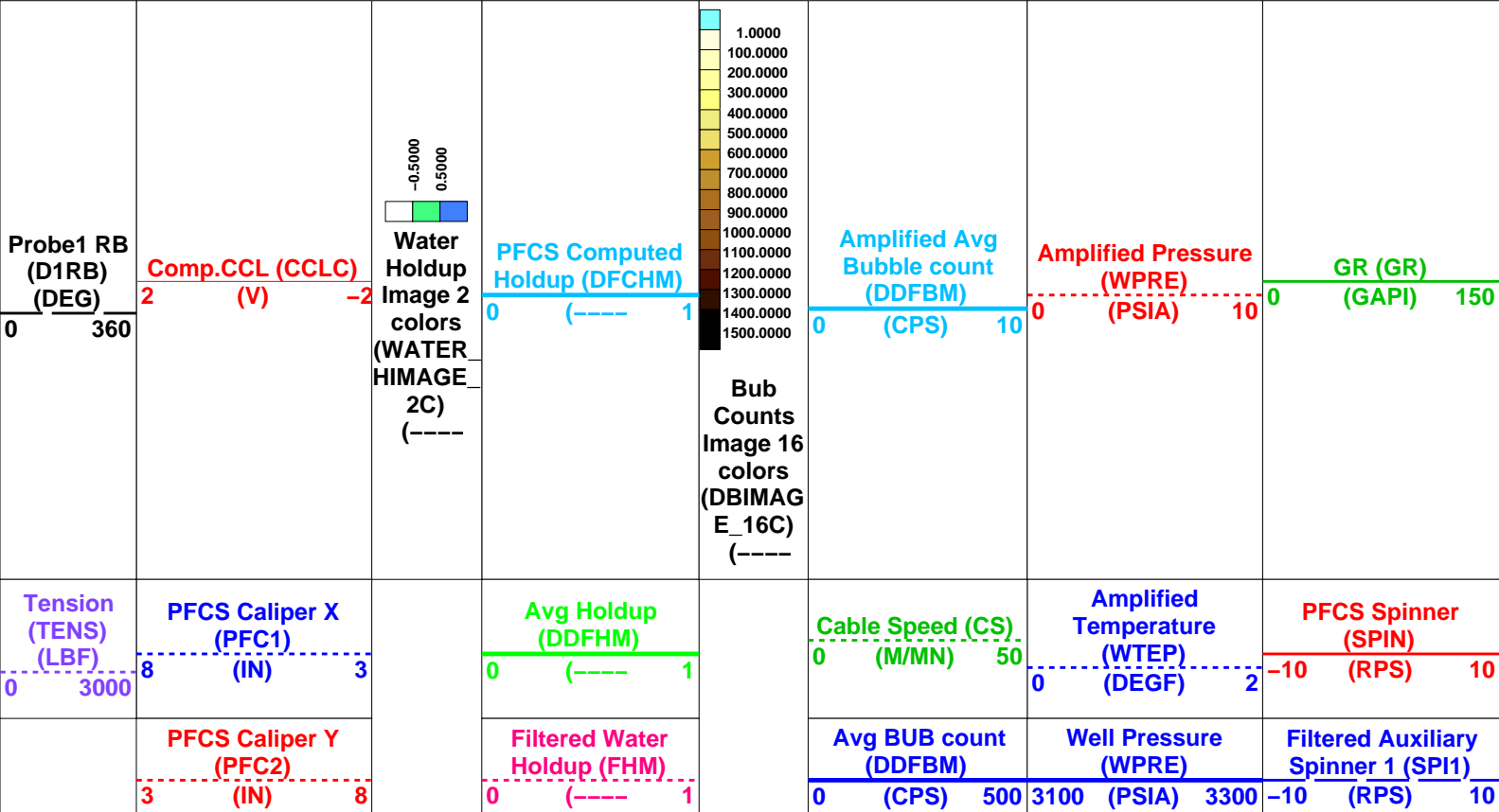
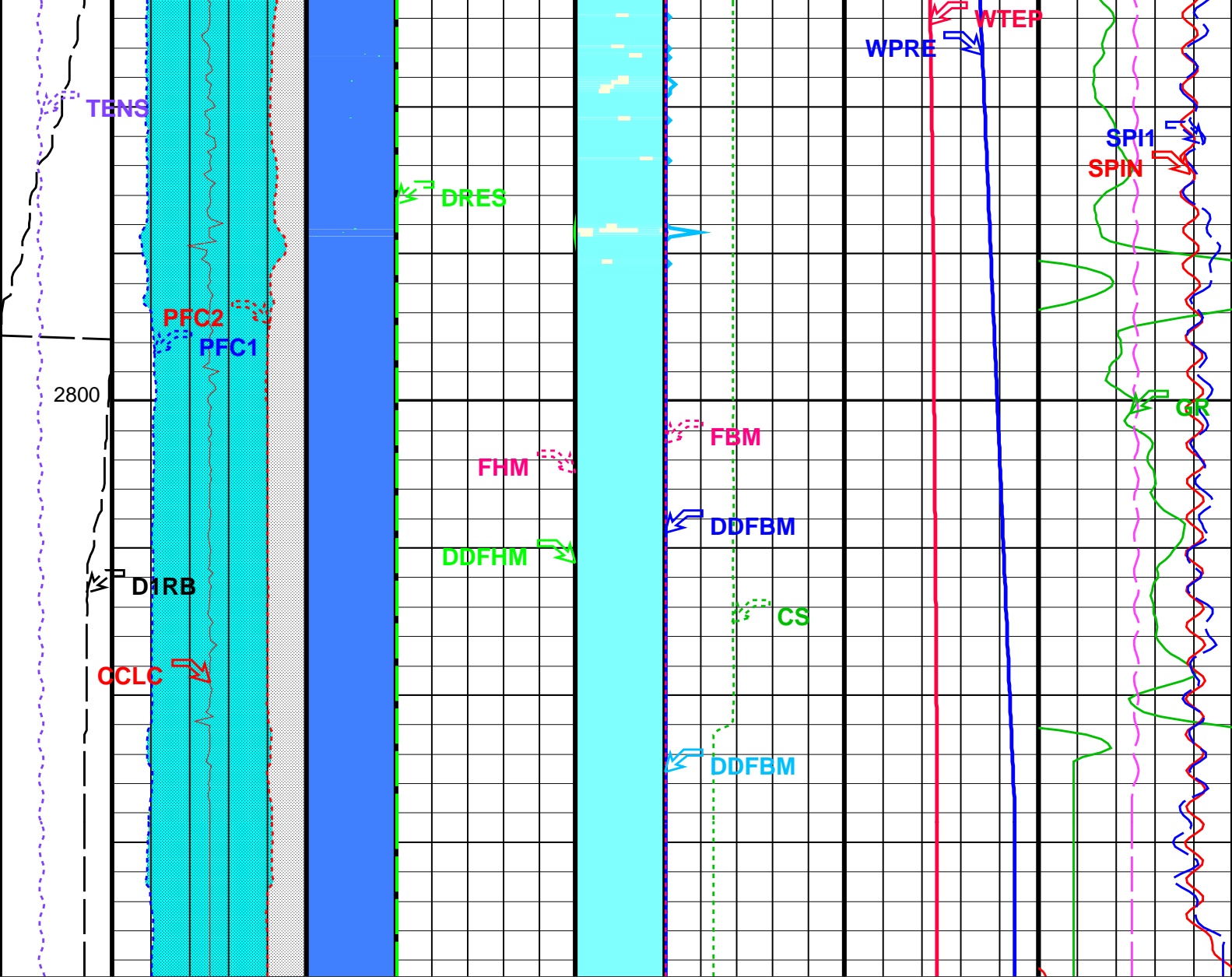
Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_020LUP	FN:19	PRODUCER	24-May-2007 18:06	2821.8 M	2766.4 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_044PUP	FN:40	PRODUCER	24-May-2007 23:16		

	<div>Static Pass # 5</div> <div>Down @ 3940 ft/hr</div>
MAXIS Field Log	

Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_035LUP		PRODUCER	24-May-2007 22:41	2821.8 M 2767.9 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_043PUP	FN:39	PRODUCER	24-May-2007 23:14	2819.6 M 2757.8 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				

<div>Pipe Ovalisation Between PFC1 and PFC2</div>	
<div>Well Diameter From PFC2 to PFCS T1</div>	





Well Diameter From PFC1 to PFC5_T1	PFC5 Fluid Resistivity (DRES) 0 (OHMM) 360	Filtered Bubble Count (FBM) 0 (CPS) 500	Well Temperature (WTEP) 220 (DEGF) 230	Well Fluid Density (WFDE) 0 (G/C3) 2
Well Diameter From PFC2 to PFC5_T1				
Pipe Ovalisation Between PFC1 and PFC2				

Format: PFC5_Image_DL

Vertical Scale: 1:200

Graphics File Created: 24-May-2007 23:14

OP System Version: 14C0-302			
MCM			
PFC5-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	
PFC5-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	
PFGC	PFC5 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	PFC5-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	PFC5-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	PFC5 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	-2.3	M
PP	Playback Processing	NORMAL	

Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_035LUP	PRODUCER	24-May-2007 22:41	2821.8 M	2767.9 M

Output DLIS Files				
DEFAULT	FCS_ILS_DEFT_GMS_043PUP	FN:39	PRODUCER	24-May-2007 23:14

24-May-2007 23:14

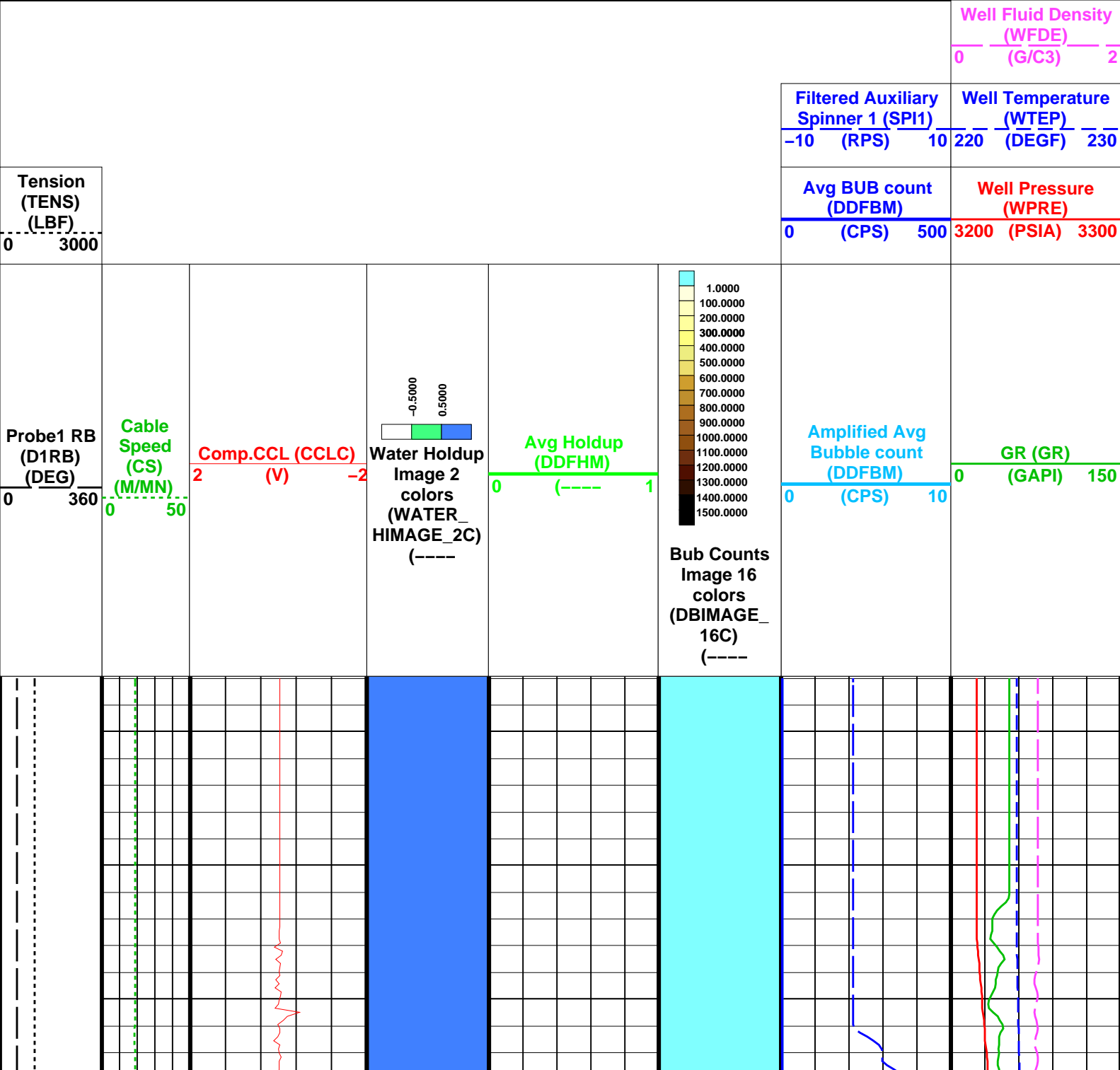
Input DLIS Files						
DEFAULT	Flip_FCS_ILS_DEFT_035LUP	PRODUCER	24-May-2007 22:41	2821.8 M	2767.9 M	
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_043PUP	FN:39	PRODUCER	24-May-2007 23:14	2819.6 M	2757.8 M

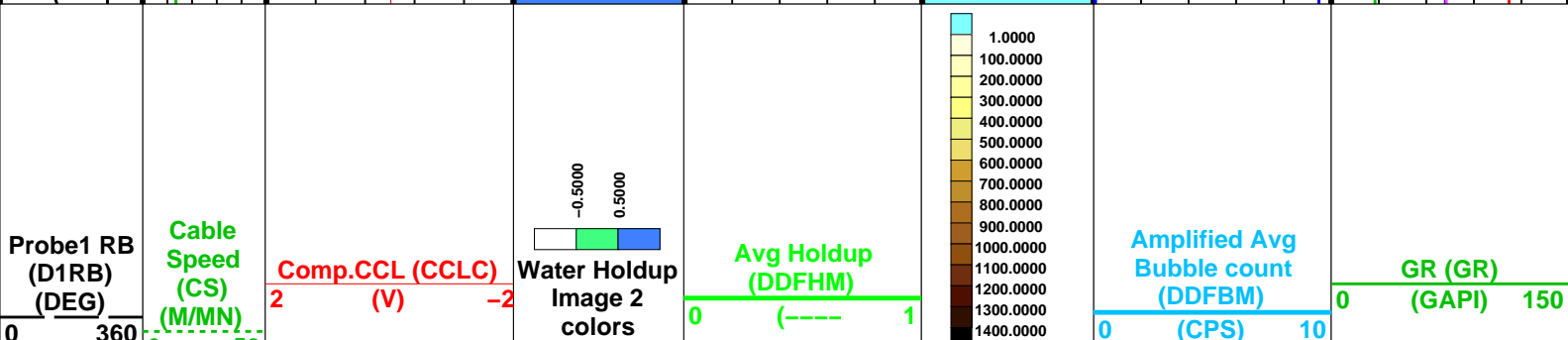
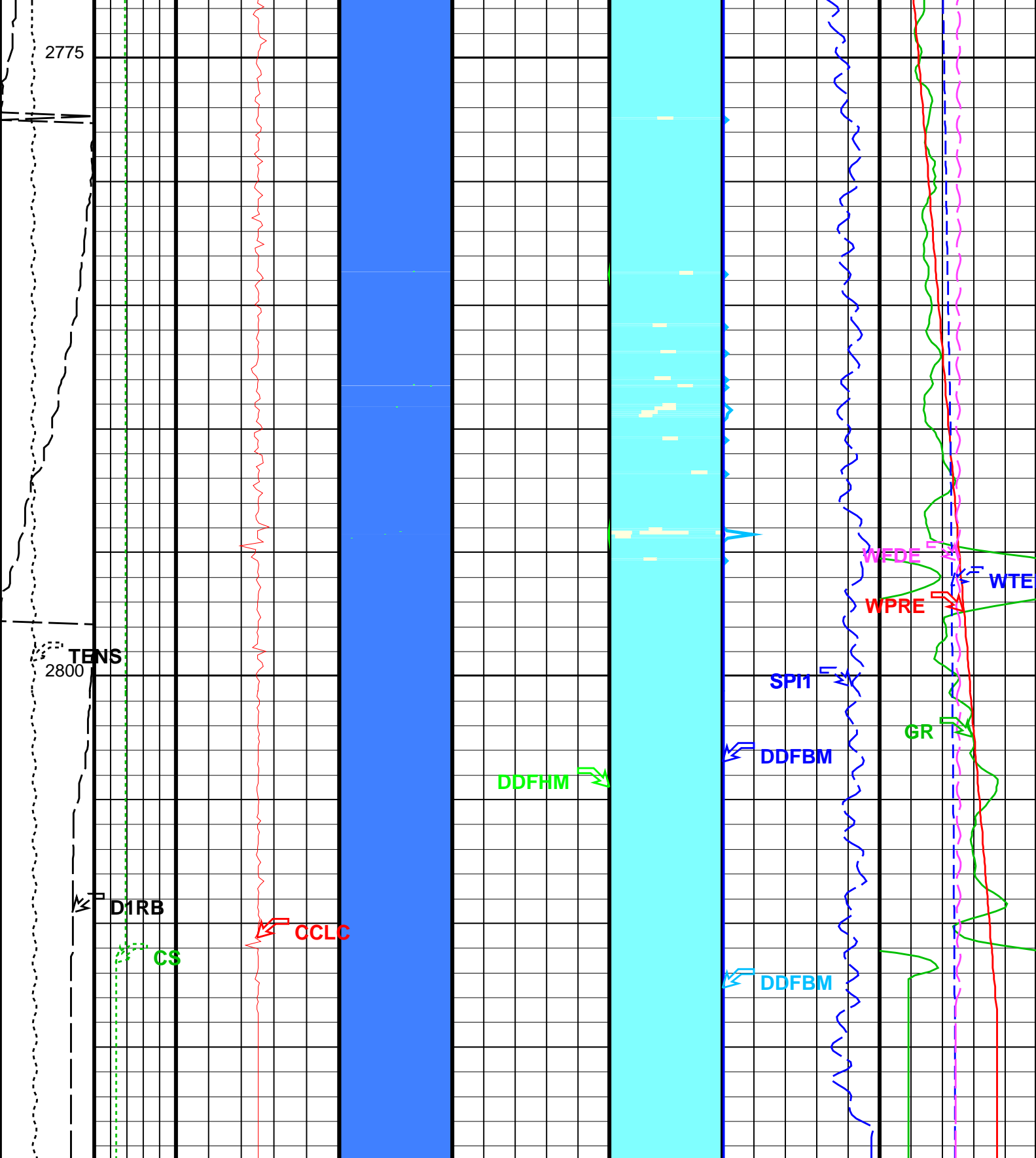
2767.9 M

2757.8 M

MCM

14C0-302
14C0-302





0	50	(WATER_ HIMAGE_2C) (-----	1500.0000	Bub Counts Image 16 colors (DBIMAGE_16C) (-----		
Tension (TENS) (LBF)					Avg BUB count (DDFBM)	Well Pressure (WPRE)
0 3000					0 (CPS) 500	3200 (PSIA) 3300
					Filtered Auxiliary Spinner 1 (SPI1)	Well Temperature (WTEP)
					-10 (RPS) 10	220 (DEGF) 230
					Well Fluid Density (WFDE)	
					0 (G/C3)	2

Format: DEFT_Image_DL

Vertical Scale: 1:200

Graphics File Created: 24-May-2007 23:14

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	
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	-2.3	M
PP	Playback Processing	NORMAL	

Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_035LUP	PRODUCER	24-May-2007 22:41	2821.8 M	2767.9 M

Output DLIS Files					
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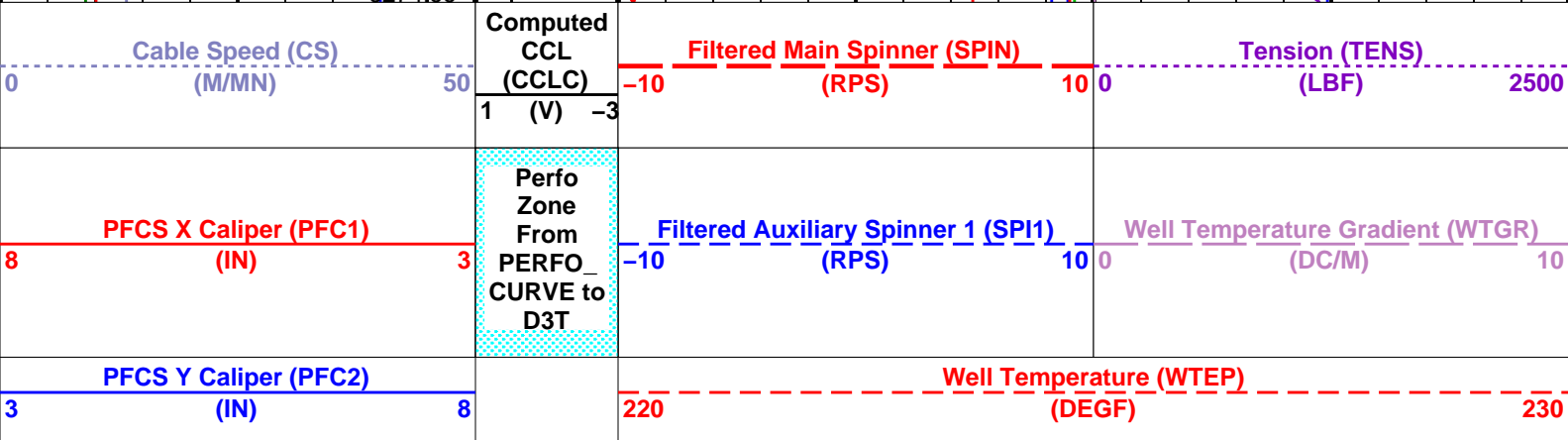
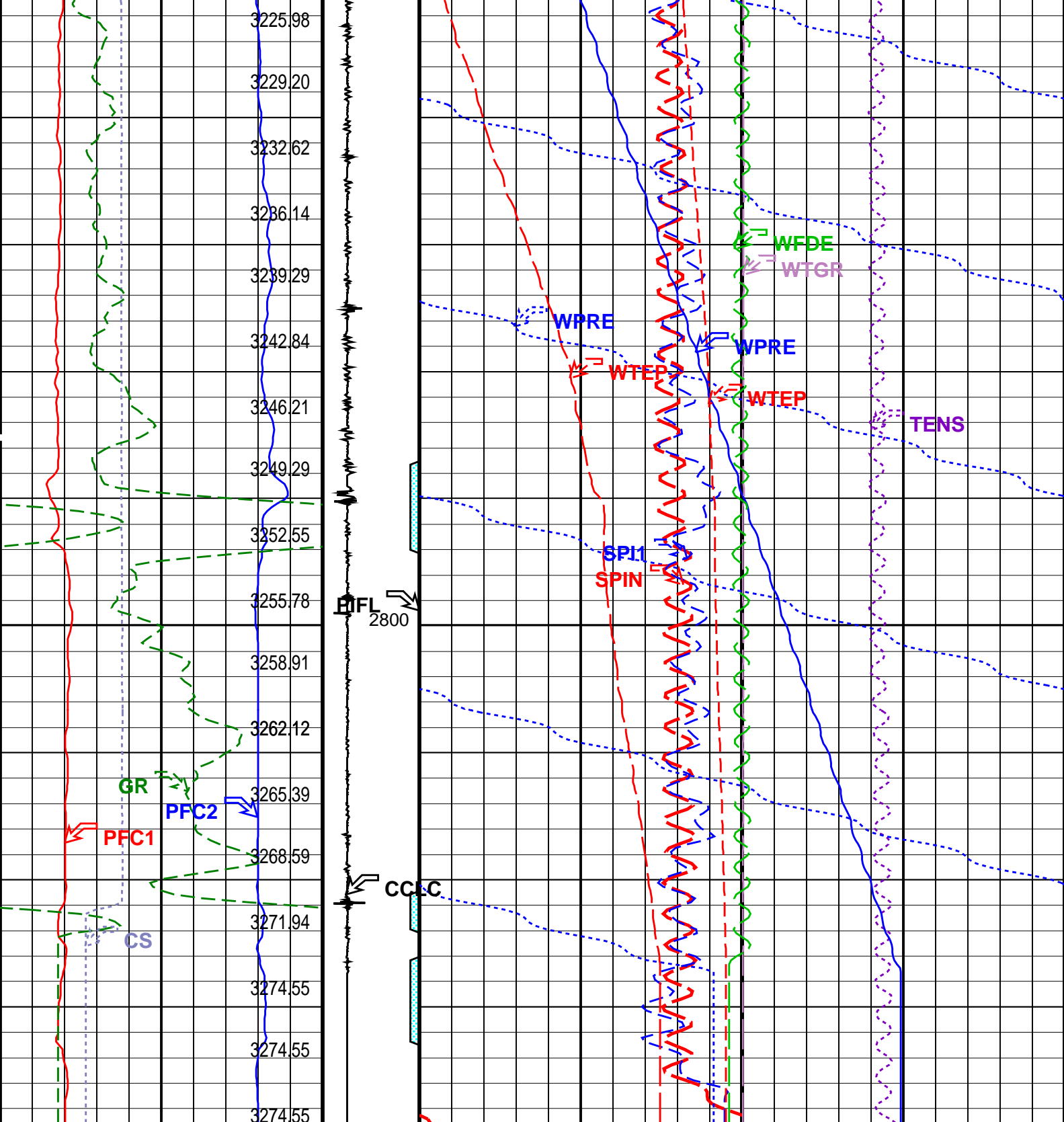
Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_035LUP	PRODUCER	24-May-2007 22:41	2821.8 M	2767.9 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_043PUP	FN:39	PRODUCER	24-May-2007 23:14	2819.6 M 2757.8 M

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

<div>Well Pressure (WPRE) (PSIA)</div> <div>Gamma Ray (GR) (GAPI)</div> <div>PFCS Y Caliper (PFC2) (IN)</div>	Well Fluid Density (WFDE) (G/C3)		Amplified Well Pressure (WPRE) (PSIA)		Well Pressure (WPRE) (PSIA)		Well Temperature (WTEP) (DEGF)		Well Temperature (WTEP) (DEGF)	
	02		010		32003300		02		220230	
<div>PFCS X Caliper (PFC1) (IN)</div>	<div>Perfo Zone From PERFO_CURVE to D3T</div>	Filtered Auxiliary Spinner 1 (SPI1) (RPS)		Well Temperature Gradient (WTGR) (DC/M)						
		-1010		010						



Gamma Ray (GR) (GAPI)		Well Temperature (WTEP) (DEGF)	
0	150	0	2
Well Pressure (WPRESS) (PSIA)		Well Pressure (WPRESS) (PSIA)	
		3200	3300
		Amplified Well Pressure (WPRESS) (PSIA)	
		0	10
		Well Fluid Density (WFDE) (G/C3)	
		0	2

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 24-May-2007 23:14


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	
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	-2.3	M
PP	Playback Processing	NORMAL	

Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_035LUP	PRODUCER	24-May-2007 22:41	2821.8 M	2767.9 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_043PUP	FN:39	PRODUCER	24-May-2007 23:14	



Static Pass # 4
Up @ 5900 ft/hr

MAXIS Field Log

Input DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_018LUP	FN:17	PRODUCER	24-May-2007 17:59	2823.2 M 2767.3 M

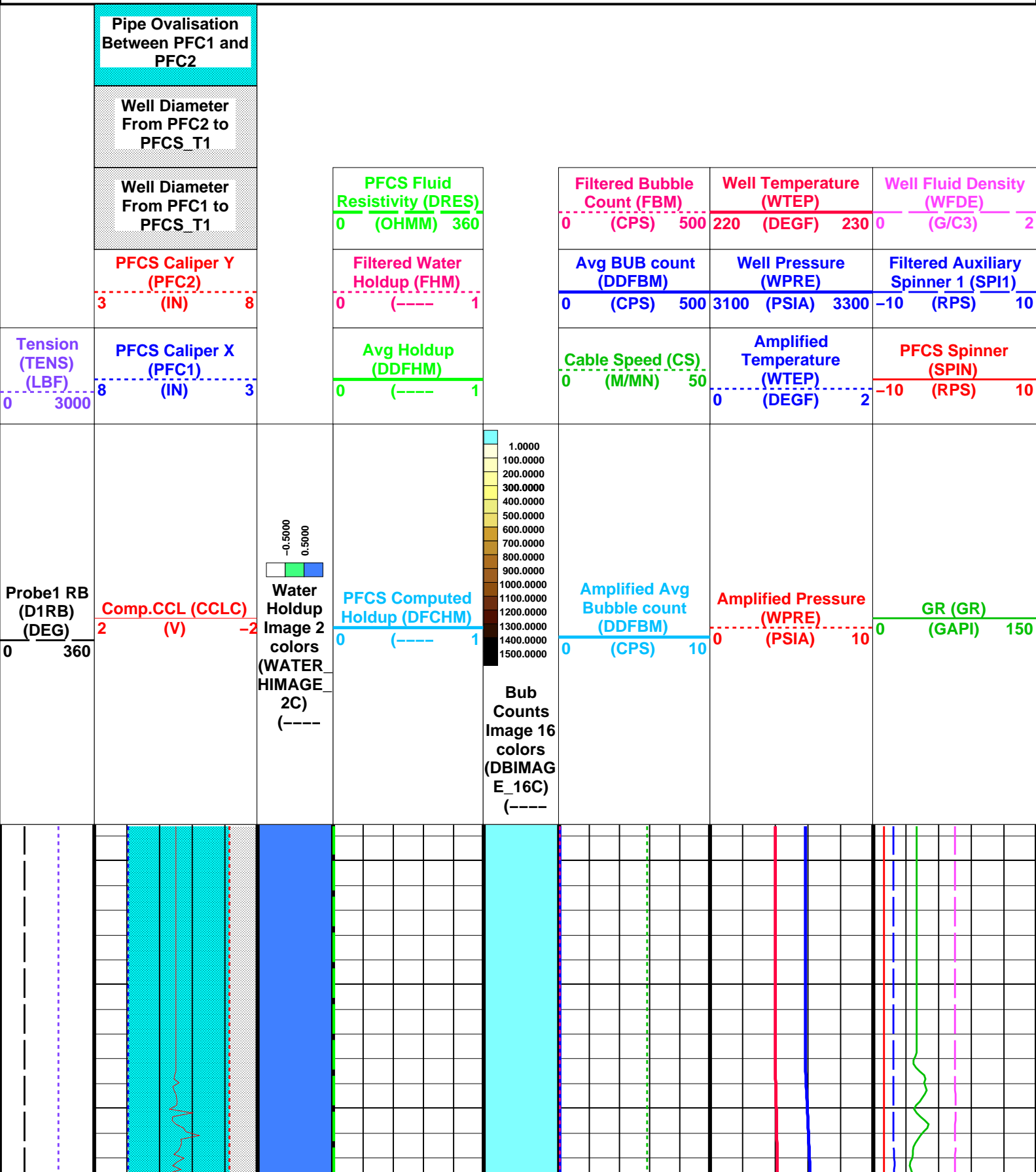
Output DLIS Files

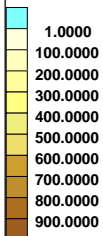
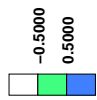
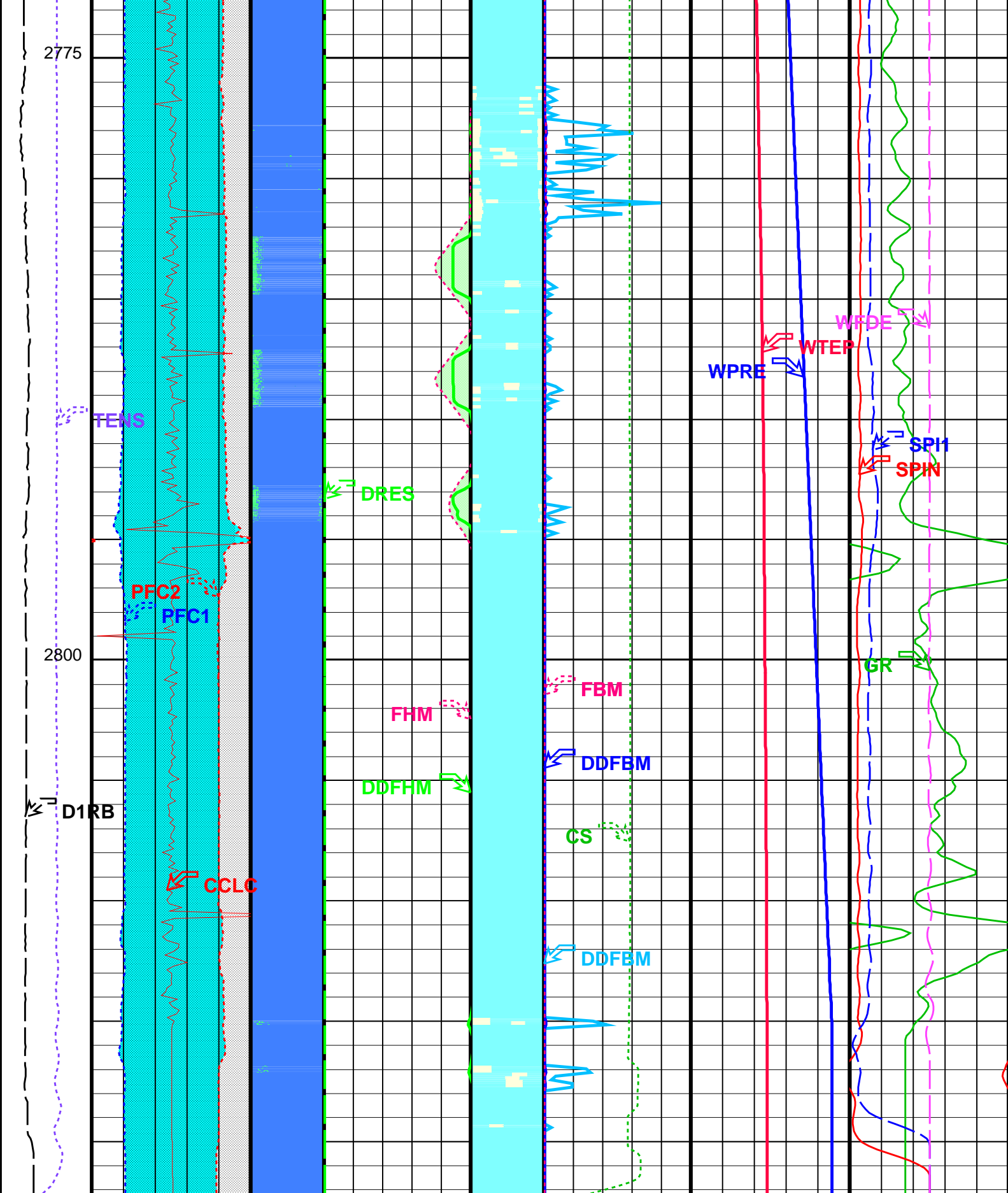
DEFAULT FCS_ILS_DEFT_GMS_042PUP FN:38 PRODUCER 24-May-2007 23:13 2822.1 M 2758.4 M

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		

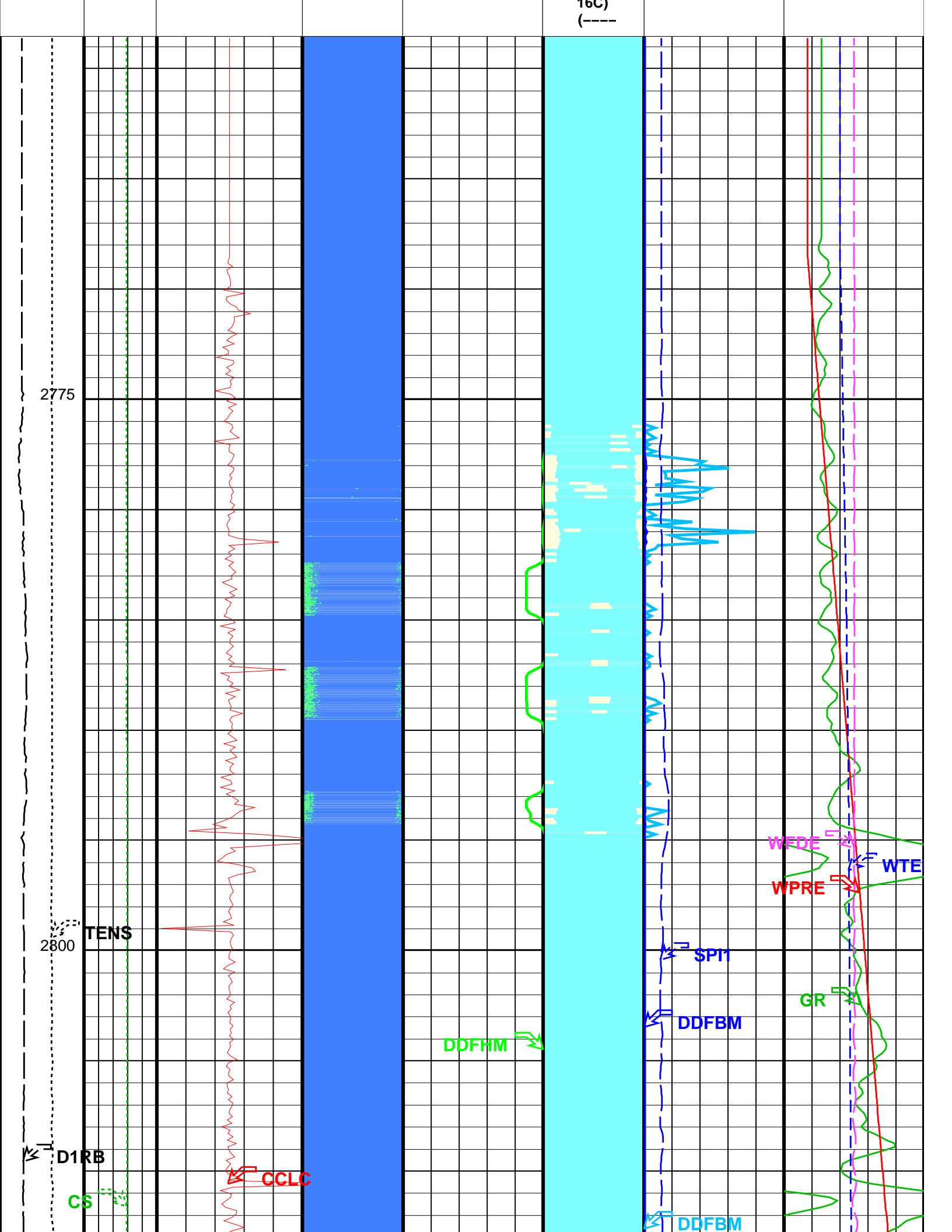


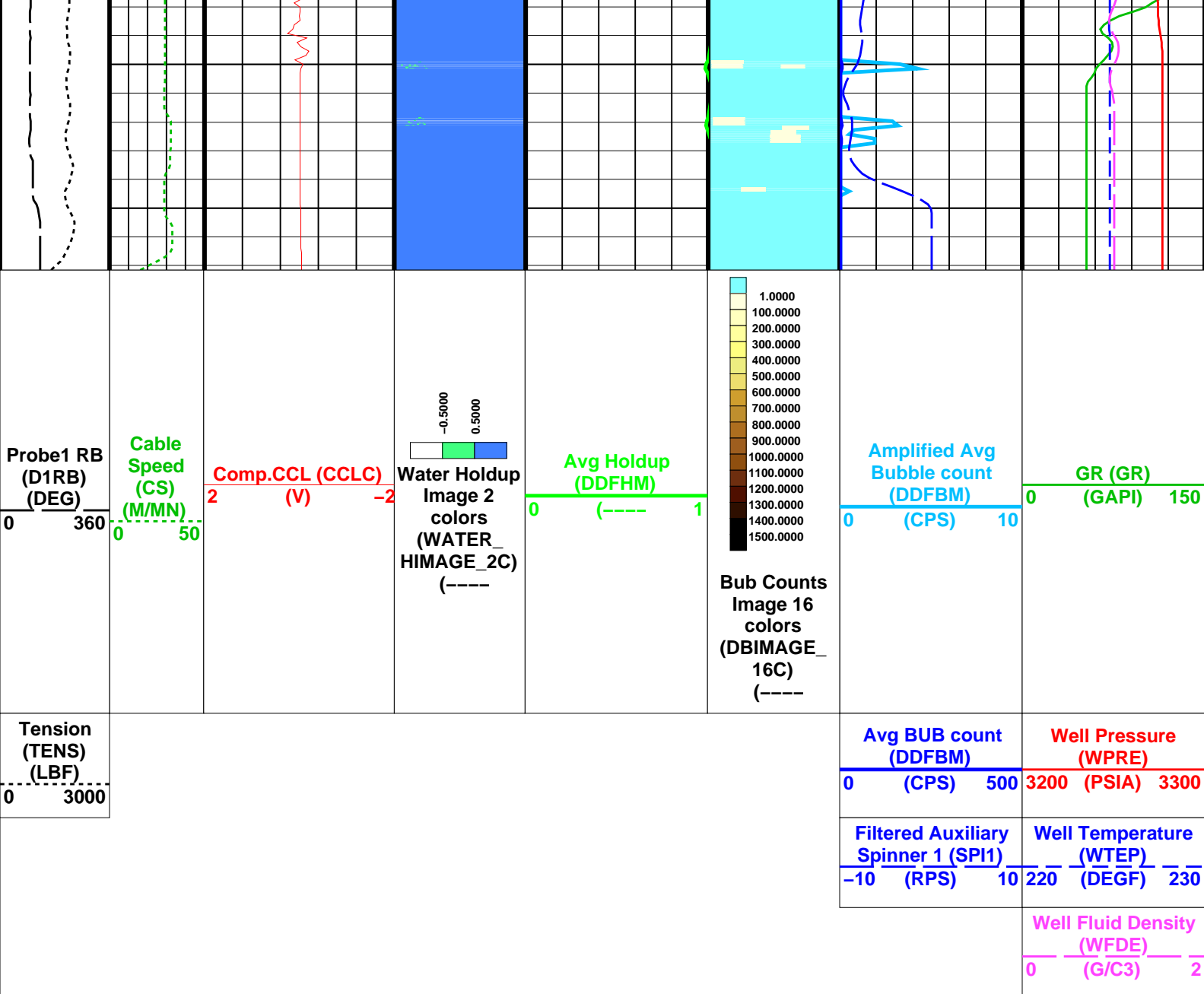


Probe1 RB (D1RB) (DEG)	Comp.CCL (CCLC) (V)	Water Holdup Image 2 colors (WATER HIMAGE 2C) (----	PFCS Computed Holdup (DFCHM)	Bub Counts Image 16 colors (DBIMAG E_16C) (----	Amplified Avg Bubble count (DDFBM)	Amplified Pressure (WPRE)	GR (GR)
0 360	2 (V) -2		0 (----) 1		0 (CPS) 10	0 (PSIA) 10	0 (GAPI) 150
Tension (TENS) (LBF)	PFCS Caliper X (PFC1)		Avg Holdup (DDFHM)		Cable Speed (CS)	Amplified Temperature (WTEP)	PFCS Spinner (SPIN)
0 3000	8 (IN) 3		0 (----) 1		0 (M/MN) 50	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)
	3 (IN) 8		0 (----) 1		0 (CPS) 500	3100 (PSIA) 3300	-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) 230	0 (G/C3) 2
	Well Diameter From PFC2 to PFCS_T1						
	Pipe Ovalisation Between PFC1 and PFC2						

Format: PFCS_Image_DL		Vertical Scale: 1:200		Graphics File Created: 24-May-2007 23:13	
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				

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	
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	





Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 24-May-2007 23:13

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		

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
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

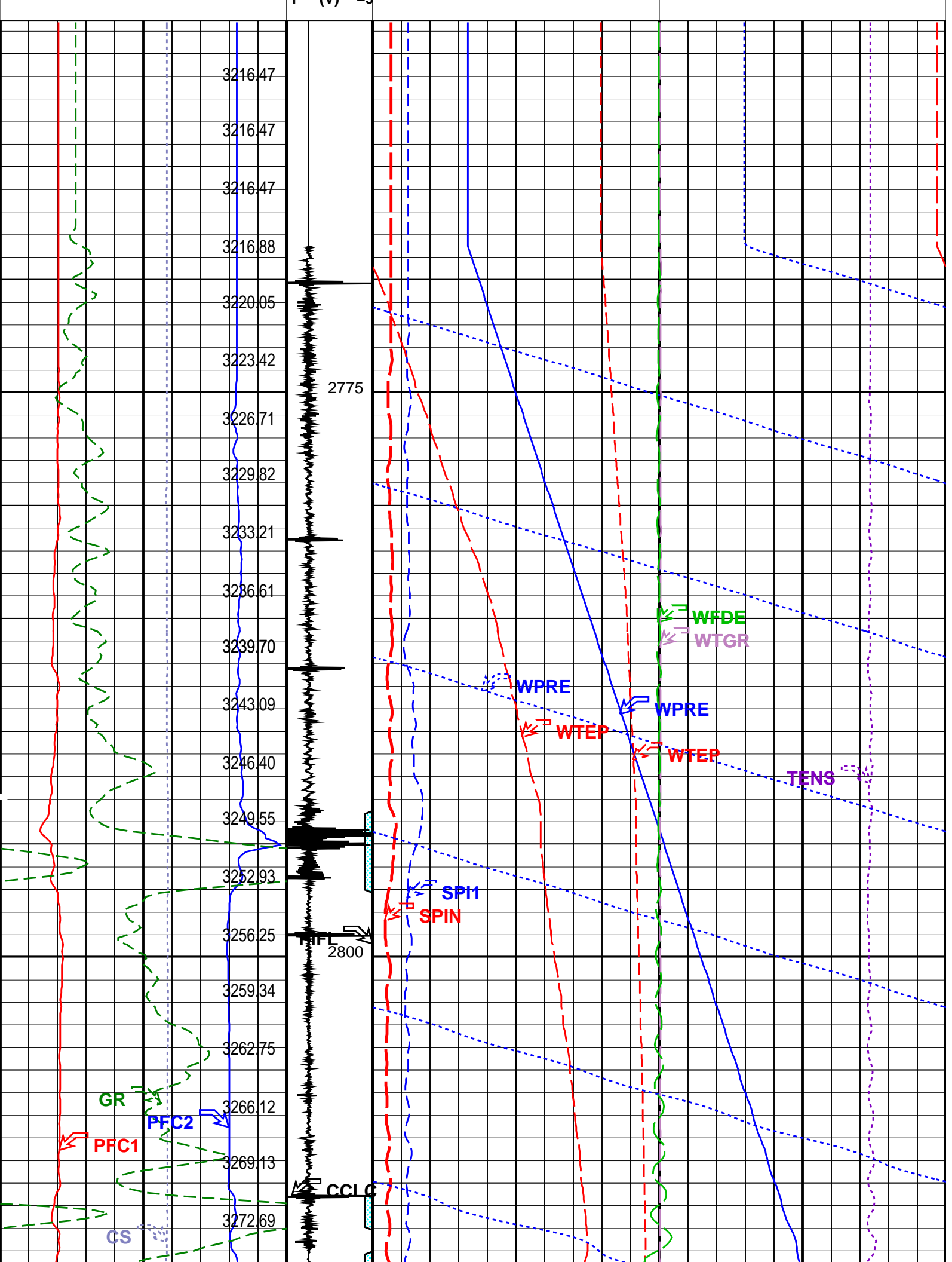
CSID	DEFT-C2: DEFT-C 1001	Casing Size I.D.	6.875	IN
DDRC		Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS		Dual DEFT RB Source	D1RB	
DFBD		DEFT Blank Disallowed Probes	NO	
DFFI		DEFT Flip Image	NO	
DFII		DEFT Image Interpolation	YES	
DFIRS		DEFT Image Rotation Selection	TOP_MIDDLE	
PGMC-A/B: PSP Gradiomanometer 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	-1.1	M
PP		Playback Processing	NORMAL	

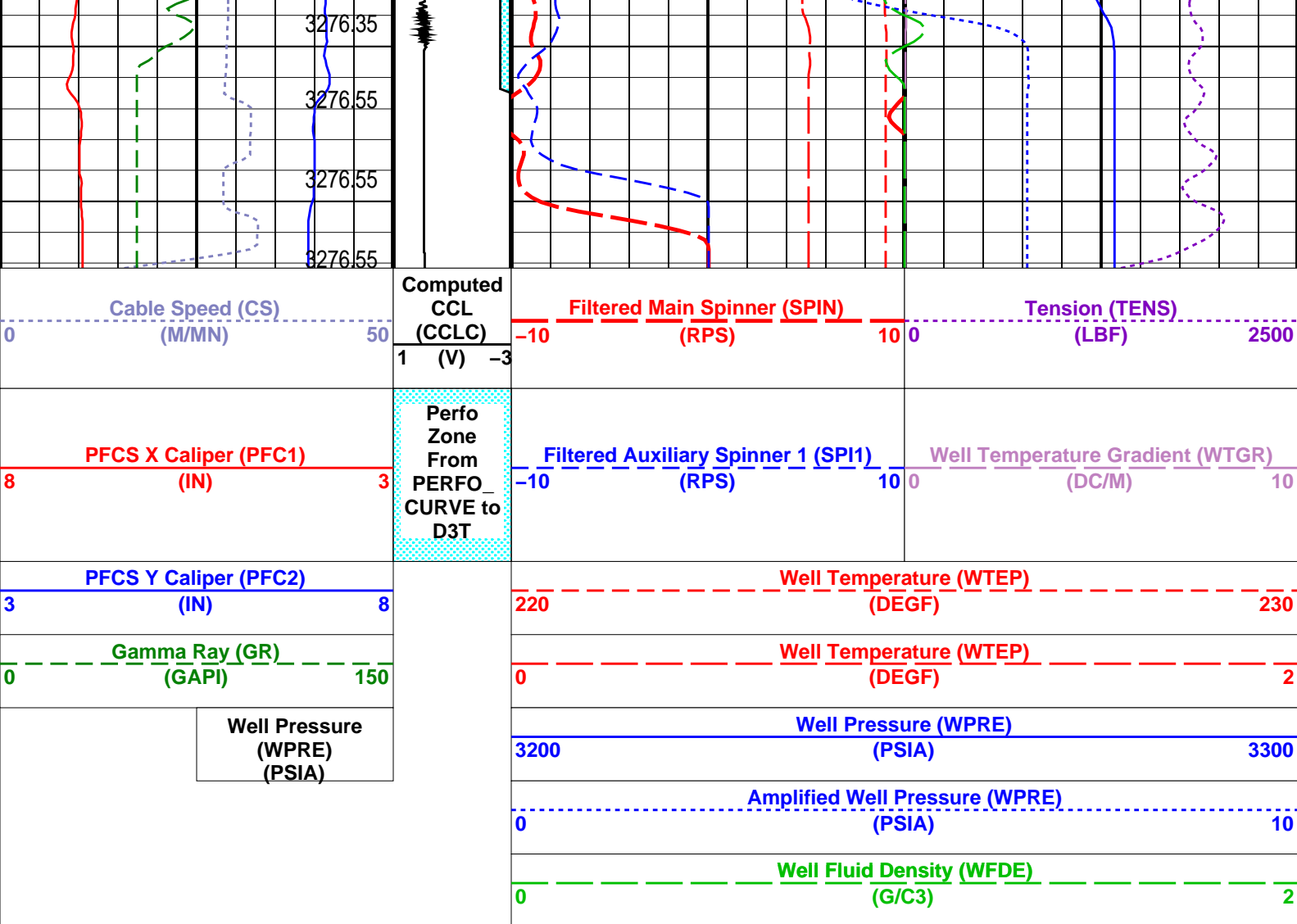
Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_018LUP	FN:17	PRODUCER	24-May-2007 17:59	2823.2 M	2767.3 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_042PUP	FN:38	PRODUCER	24-May-2007 23:13		

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_018LUP	FN:17	PRODUCER	24-May-2007 17:59	2823.2 M	2767.3 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_042PUP	FN:38	PRODUCER	24-May-2007 23:13	2822.1 M	2758.4 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						
<div>Well Pressure (WPRE) (PSIA)</div> <div>Gamma Ray (GR) (GAPI)</div> <div>PFCS Y Caliper (PFC2) (IN)</div>		Well Fluid Density (WFDE) (G/C3)				
		Amplified Well Pressure (WPRE) (PSIA)				
		Well Pressure (WPRE) (PSIA)				
		Well Temperature (WTEP) (DEGF)				
<div>PFCS X Caliper (PFC1) (IN)</div> <div>Cable Speed (CS) (M/MN)</div>		Well Temperature (WTEP) (DEGF)				
		Well Temperature Gradient (WTGR) (DC/M)				
		Perfo Zone From PERFO_CURVE to D3T		Filtered Auxiliary Spinner 1 (SPI1) (RPS)		
		Computed CCL (CCLC) (IN)		Filtered Main Spinner (SPIN) (RPS)		
				Tension (TENS) (LBF)		





Time Mark Every 60 S
Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 24-May-2007 23:13

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		

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	
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	-1.1	M
PP	Playback Processing	NORMAL	

Input DLIS Files

Input DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_018LUP FN:17 PRODUCER 24-May-2007 17:59 2823.2 M 2767.3 M

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_042PUP FN:38 PRODUCER 24-May-2007 23:13



Static Pass # 3
Down @ 5900 ft/hr

MAXIS Field Log

Input DLIS Files

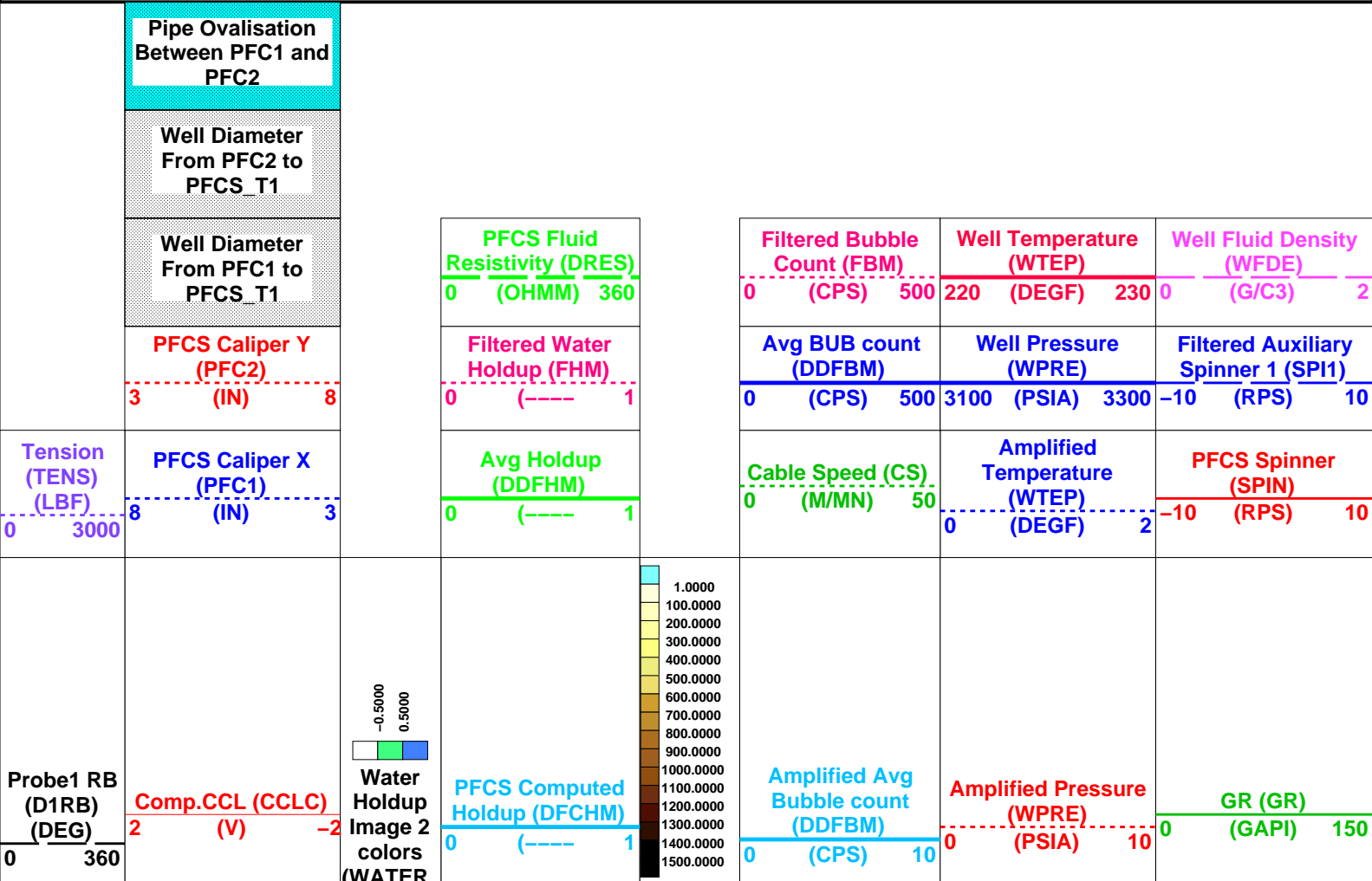
DEFAULT Flip_FCS_ILS_DEFT_034LUP PRODUCER 24-May-2007 22:41 2823.2 M 2764.7 M

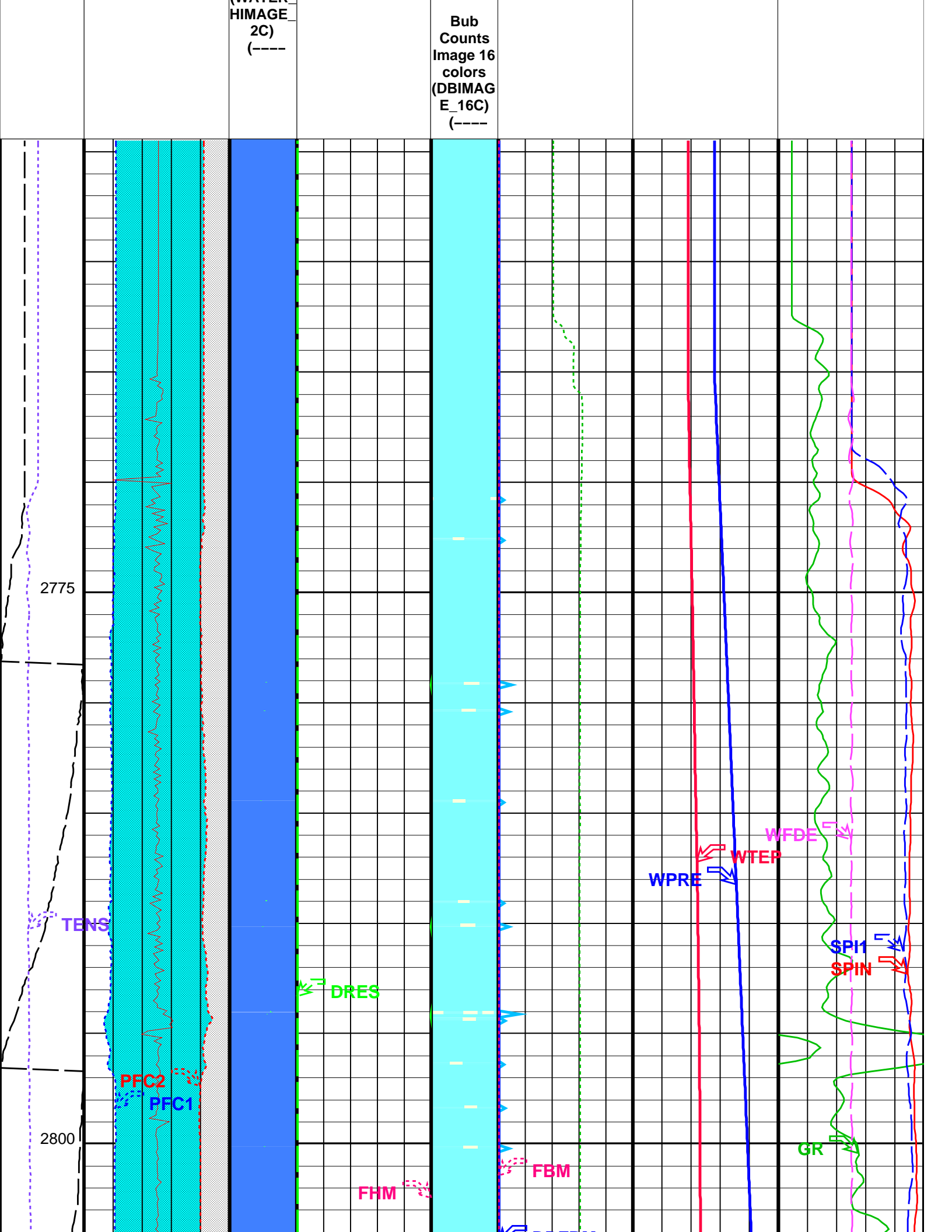
Output DLIS Files

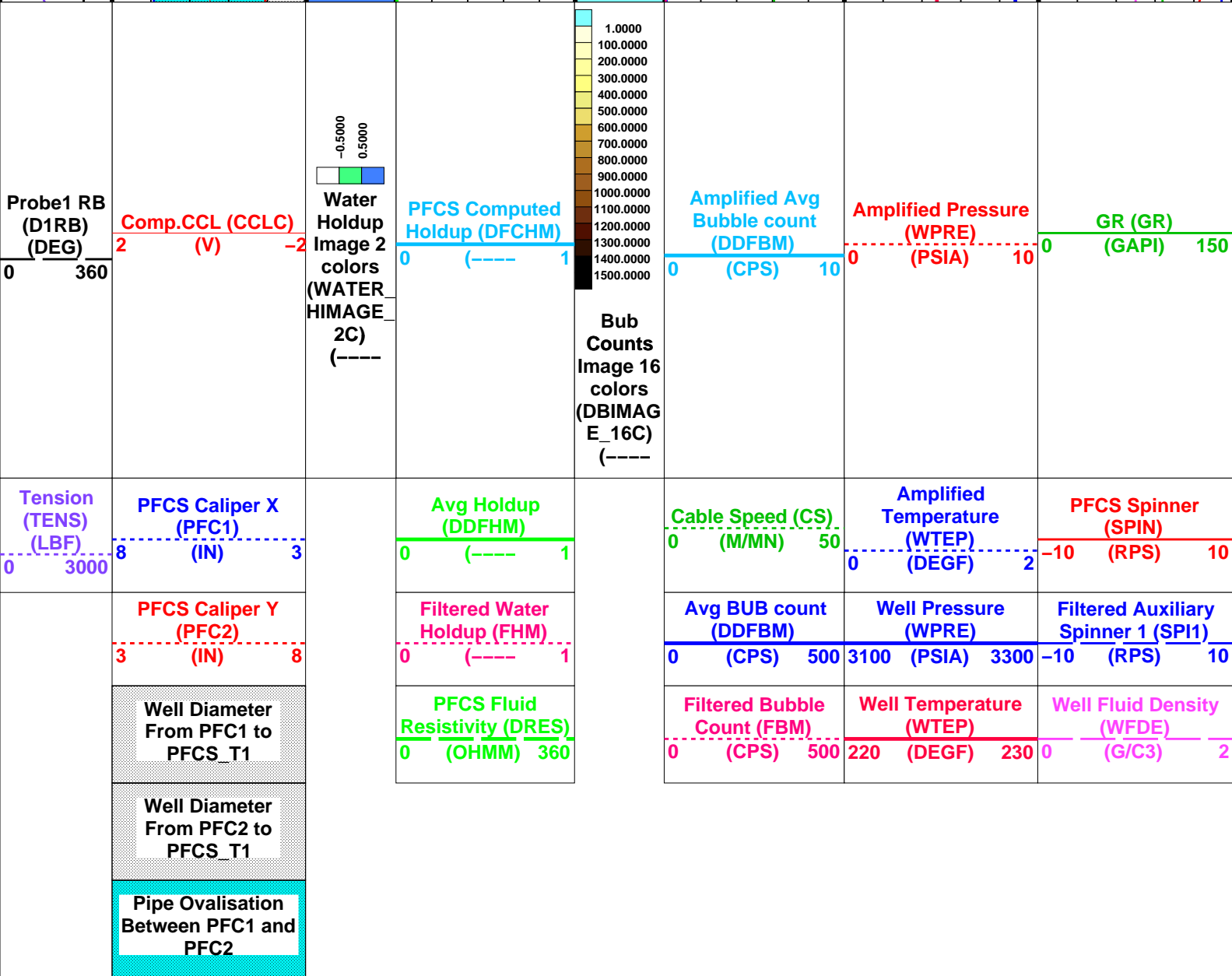
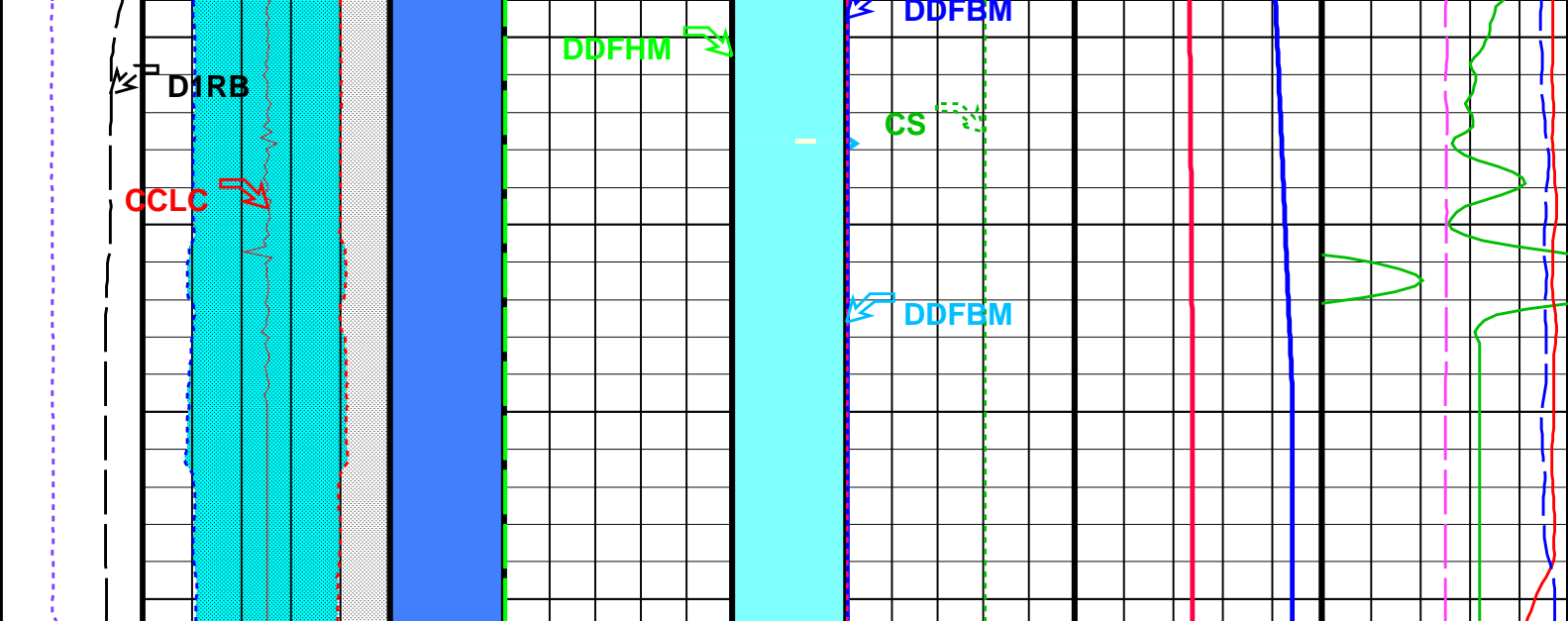
DEFAULT FCS_ILS_DEFT_GMS_041PUP FN:37 PRODUCER 24-May-2007 23:11 2820.6 M 2754.3 M

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







Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 24-May-2007 23:11

OP System Version: 14C0-302

MCM

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

PILS-A 14C0-302
PGMC-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			
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					
CSIZ	Current Casing Size	7.625	IN		
DO	Depth Offset for Playback	-2.6	M		
PP	Playback Processing	NORMAL			

Input DLIS Files						
DEFAULT	Flip_FCS_ILS_DEFT_034LUP	PRODUCER	24-May-2007 22:41	2823.2 M	2764.7 M	
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_041PUP	FN:37	PRODUCER	24-May-2007 23:11		

Input DLIS Files						
DEFAULT	Flip_FCS_ILS_DEFT_034LUP	PRODUCER	24-May-2007 22:41	2823.2 M	2764.7 M	
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_041PUP	FN:37	PRODUCER	24-May-2007 23:11	2820.6 M	2754.3 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				

0 (G/C3) 2

Filtered Auxiliary Spinner 1 (SPI1)			Well Temperature (WTEP)		
-10	(RPS)	10	220	(DEGF)	230

Avg BUB count (DDFBM)	Well Pressure (WPRE)
0 (CPS) 500	3200 (PSIA) 3300

Tension
(TENS)
(LBF)

Probe1 RB
(D1RB)
(DEG)

0	360
---	-----

Cable Speed (CS) (M/MN) 50

Comp.CCL (CCLC)		
2	(V)	-2

Water Holdup
Image 2
colors
(WATER_
HIMAGE_2C)
(----

Avg Holdup
(DDFHM)

0 (-----) 1

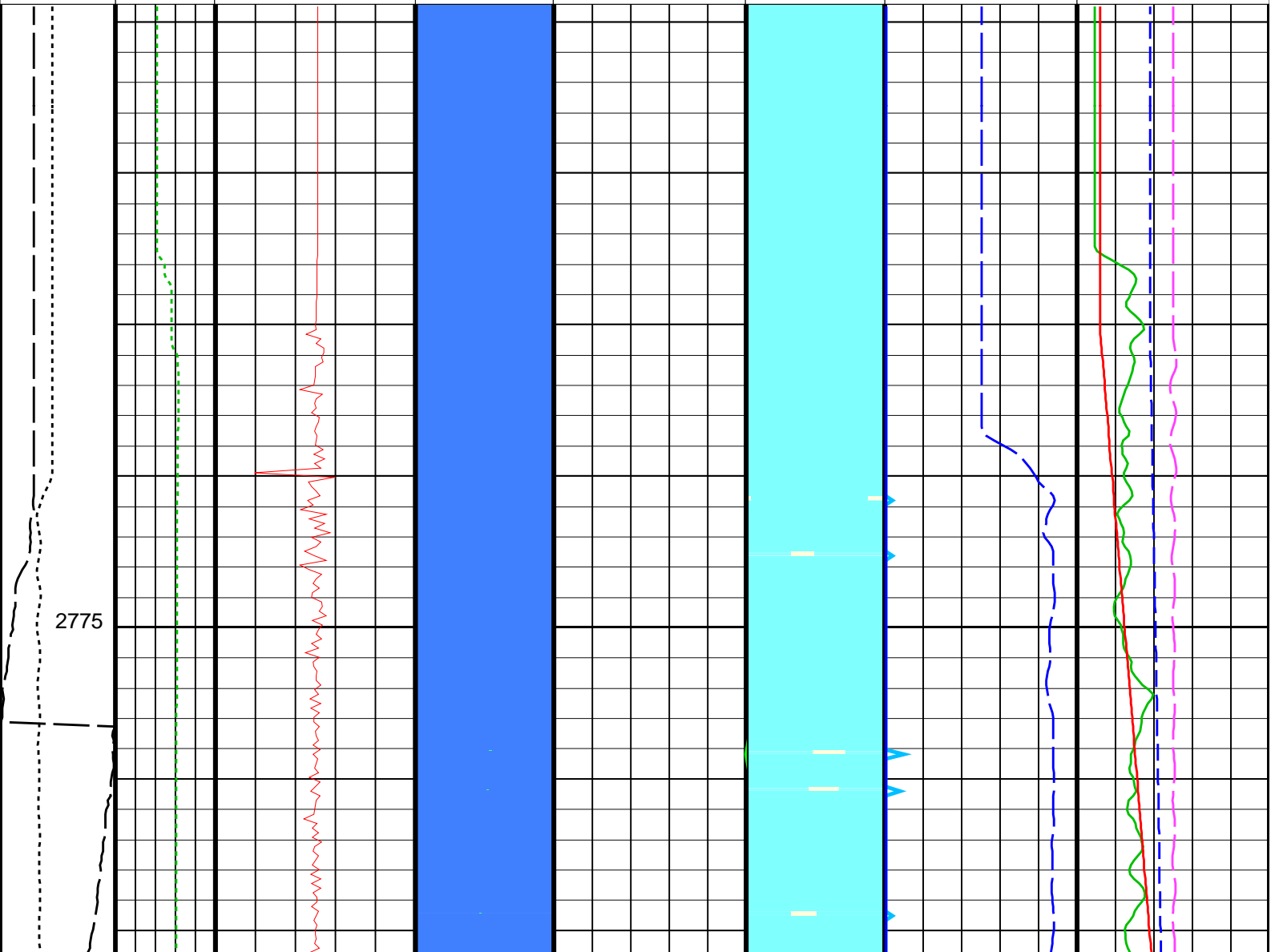
1.0000
100.0000
200.0000
300.0000
400.0000
500.0000
600.0000
700.0000
800.0000
900.0000
1000.0000
1100.0000
1200.0000
1300.0000
1400.0000
1500.0000

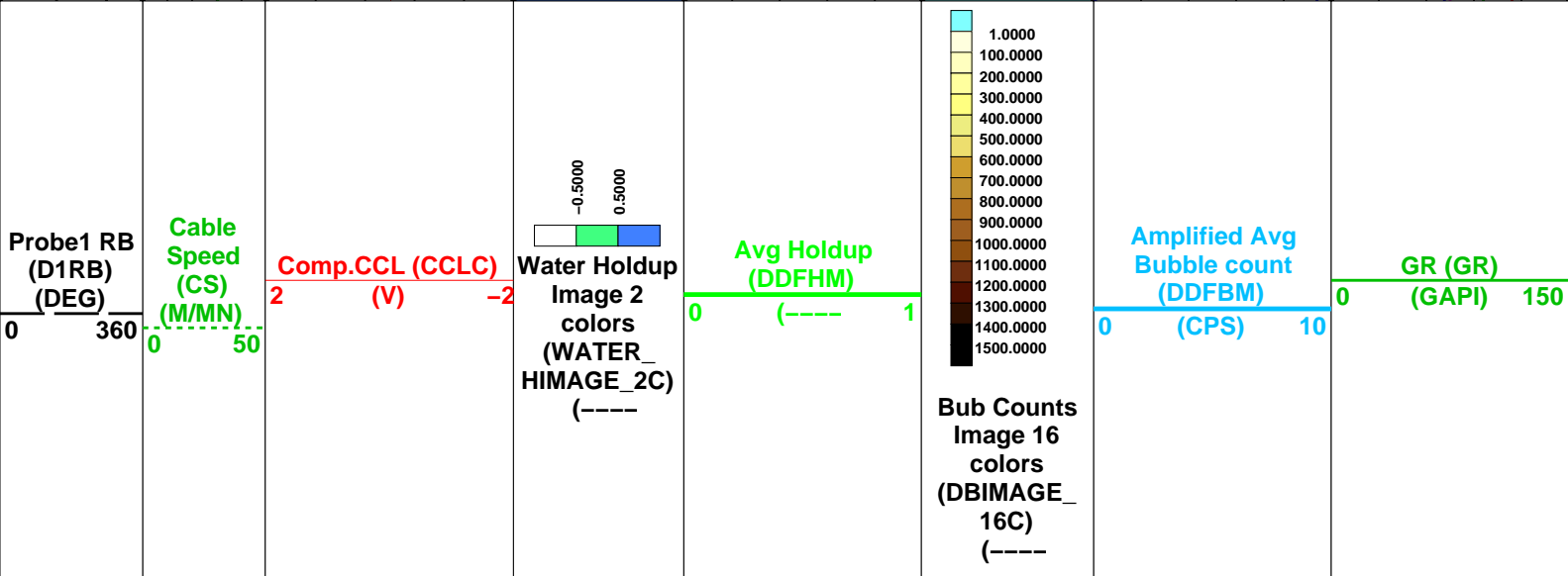
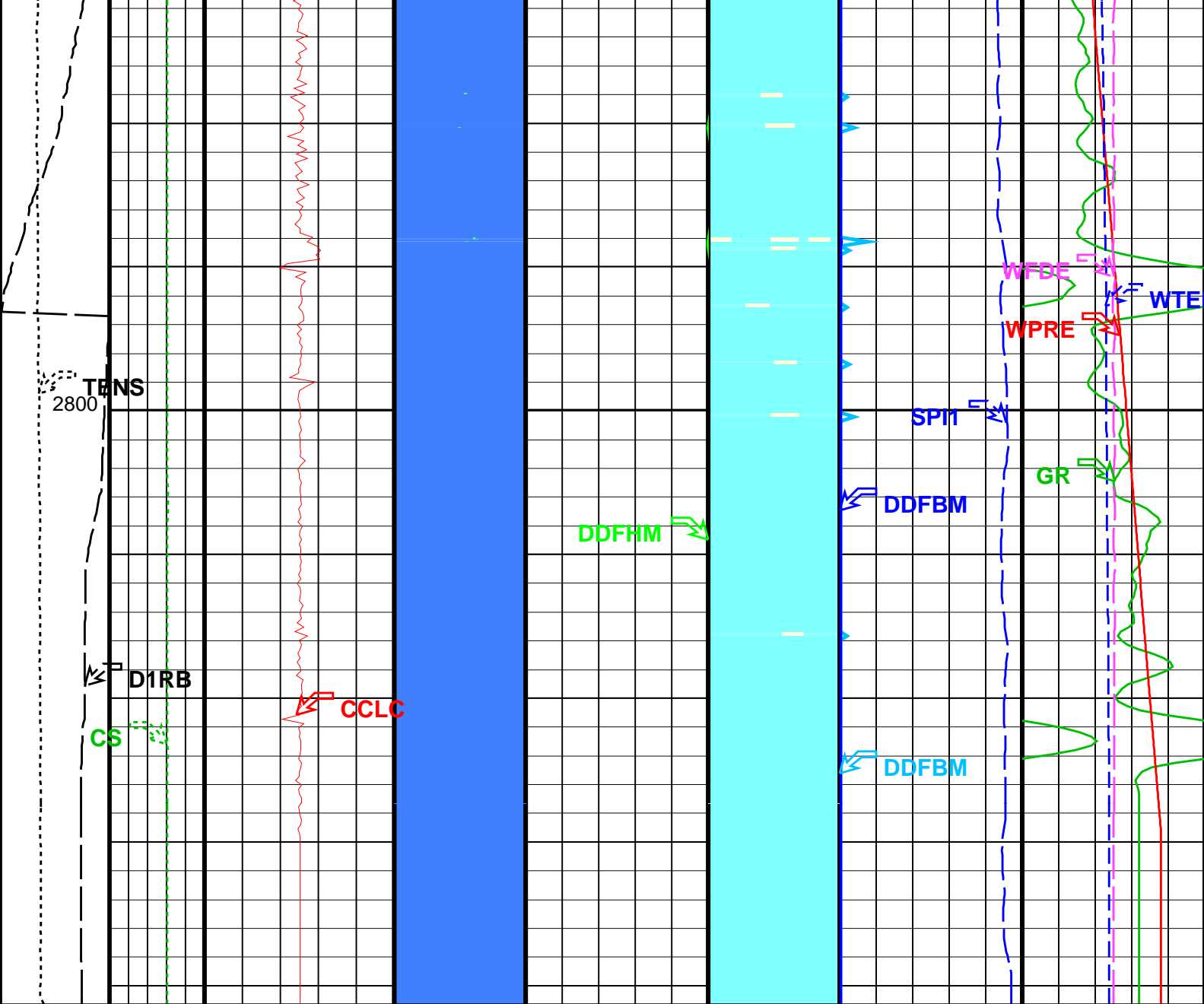
Bub Counts
Image 16
colors
(DBIMAGE_
16C)
(----

Amplified Avg
Bubble count
(DDFBM)

0 (CPS) 10

	GR (GR)	
0	(GAPI)	150





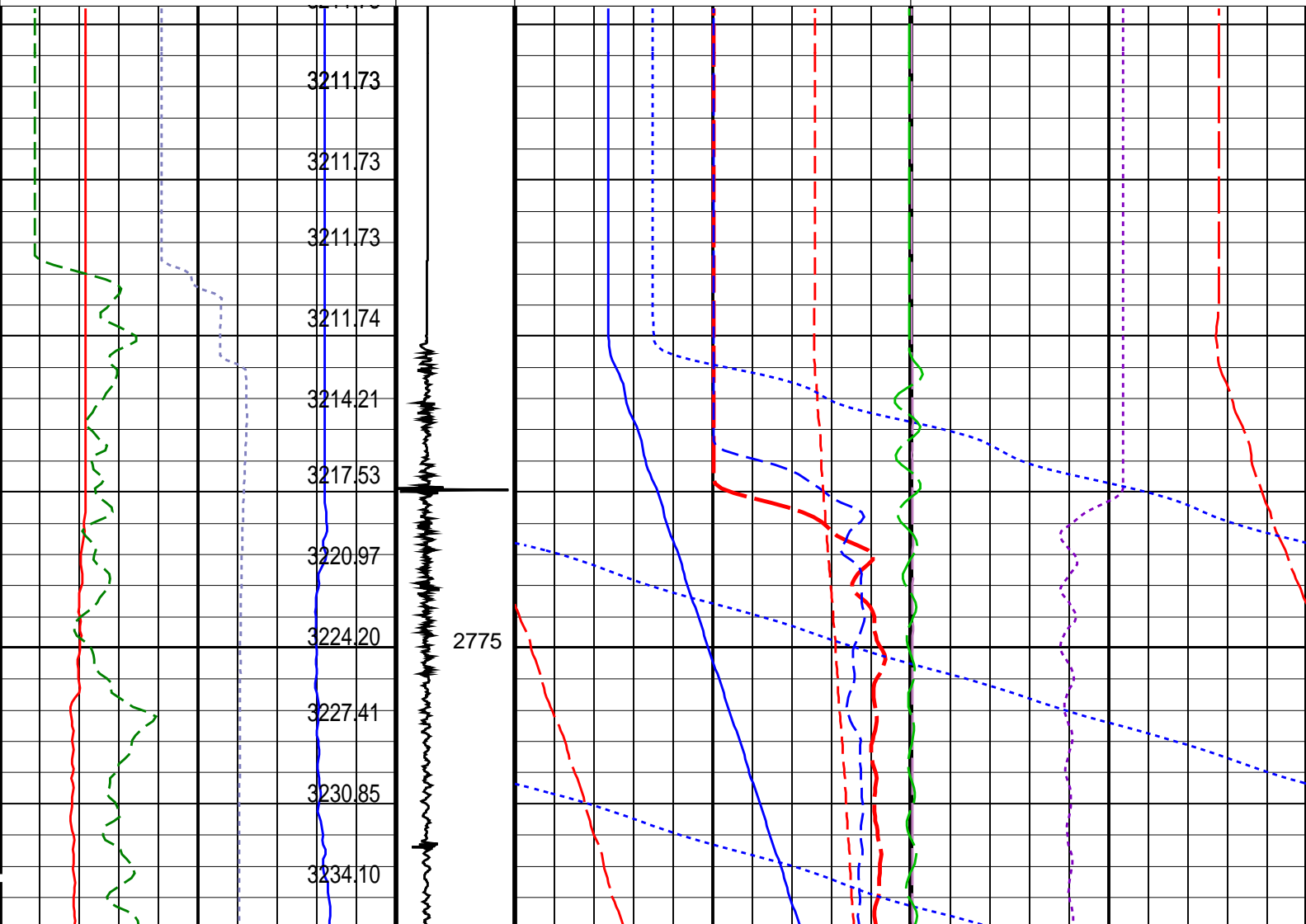
Tension (TENS) (LBF) 0 3000						Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 3200 (PSIA) 3300
						Filtered Auxiliary Spinner 1 (SPI1)	Well Temperature (WTEP)

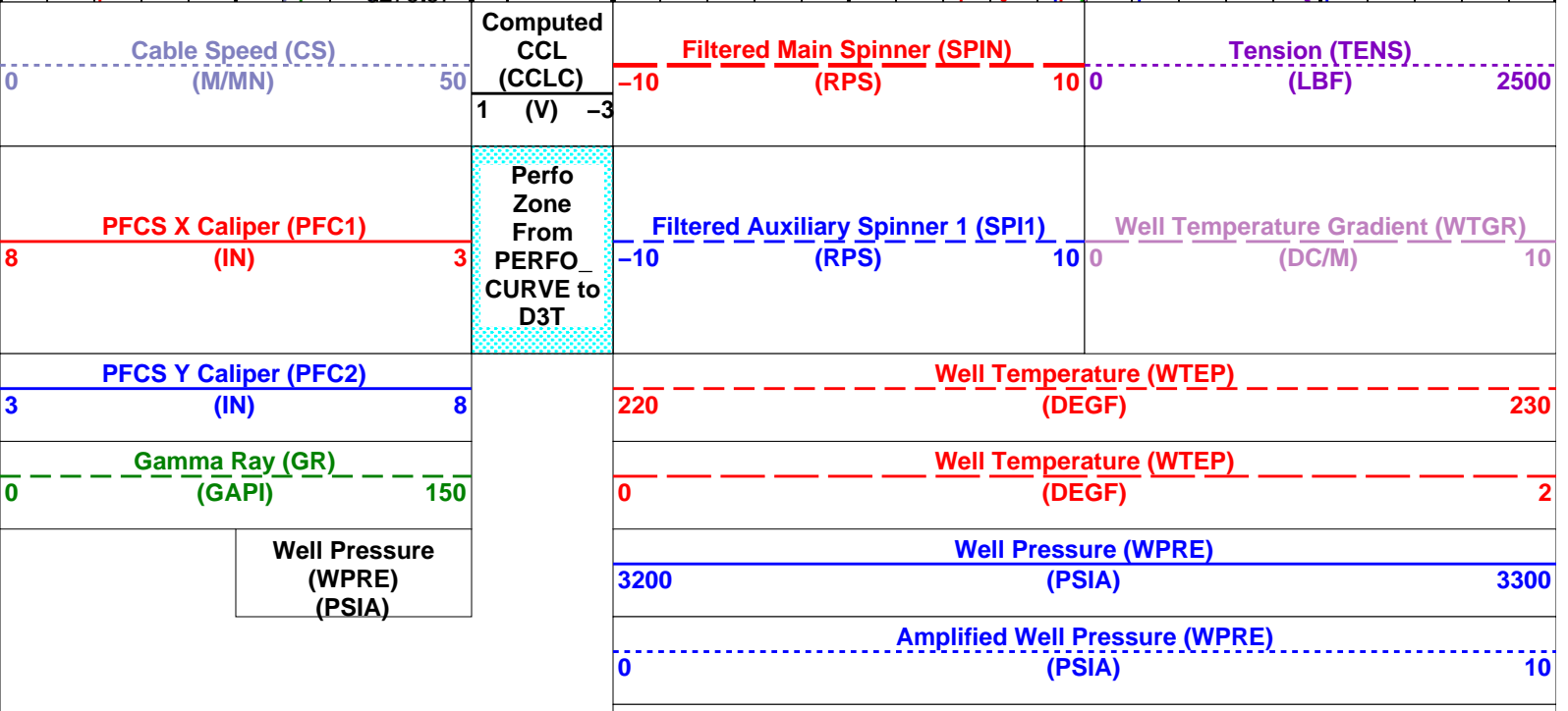
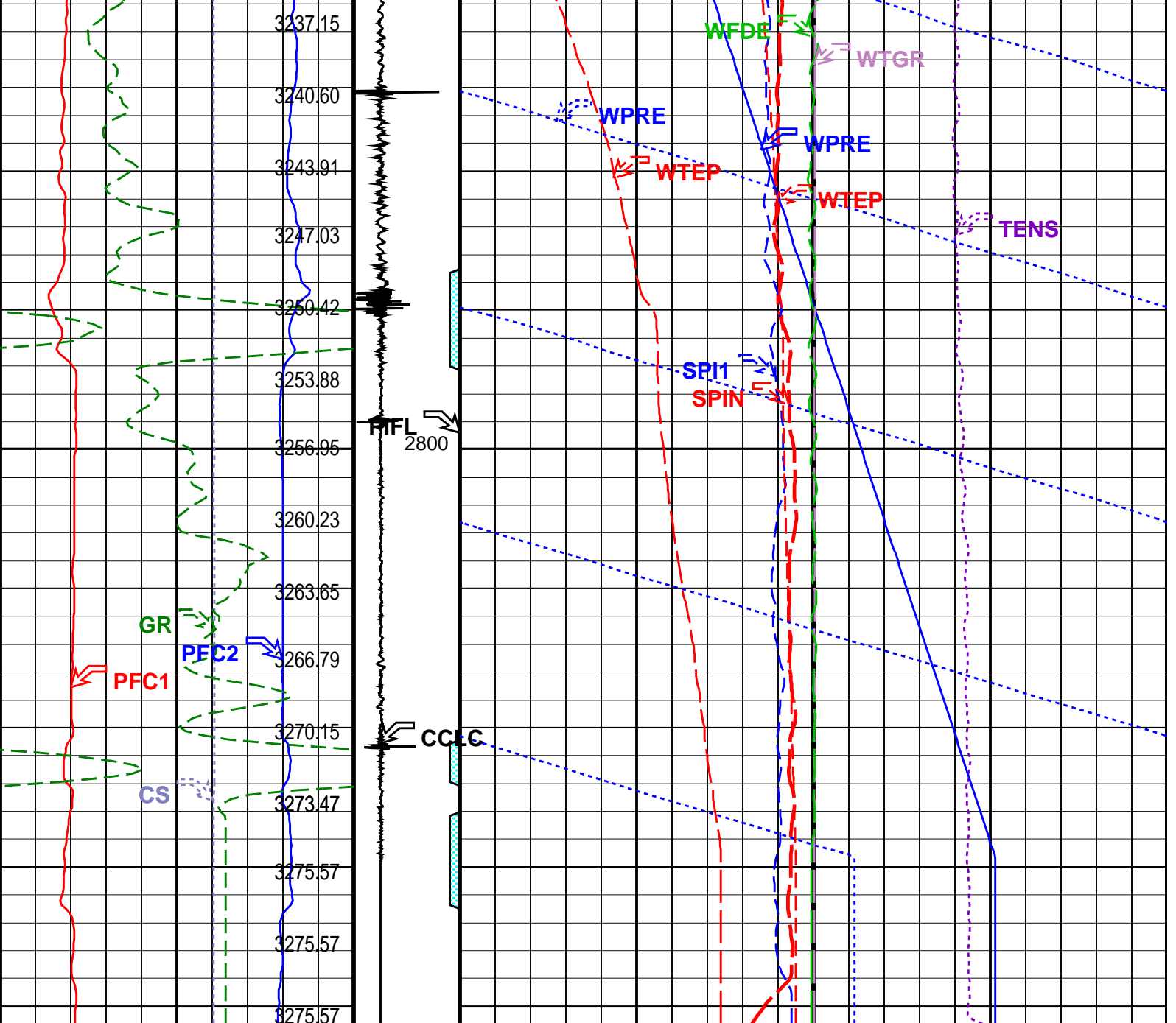
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

PIP SUMMARY

Time Mark Every 60 S

<div>Well Pressure (WPRE) (PSIA)</div> <div>Gamma Ray (GR) (GAPI)</div> <div>PFCS Y Caliper (PFC2) (IN)</div>		Well Fluid Density (WFDE) (G/C3)	
		Amplified Well Pressure (WPRE) (PSIA)	
		Well Pressure (WPRE) (PSIA)	
		Well Temperature (WTEP) (DEGF)	
		Well Temperature (WTEP) (DEGF)	
PFCS X Caliper (PFC1) (IN)		Filtered Auxiliary Spinner 1 (SPI1) (RPS)	Well Temperature Gradient (WTGR) (DC/M)
Cable Speed (CS) (M/MN)		Filtered Main Spinner (SPIN) (RPS)	Tension (TENS) (LBF)
Perfo Zone From PERFO_CURVE to D3T			
Computed CCL (CCLC) (V)			

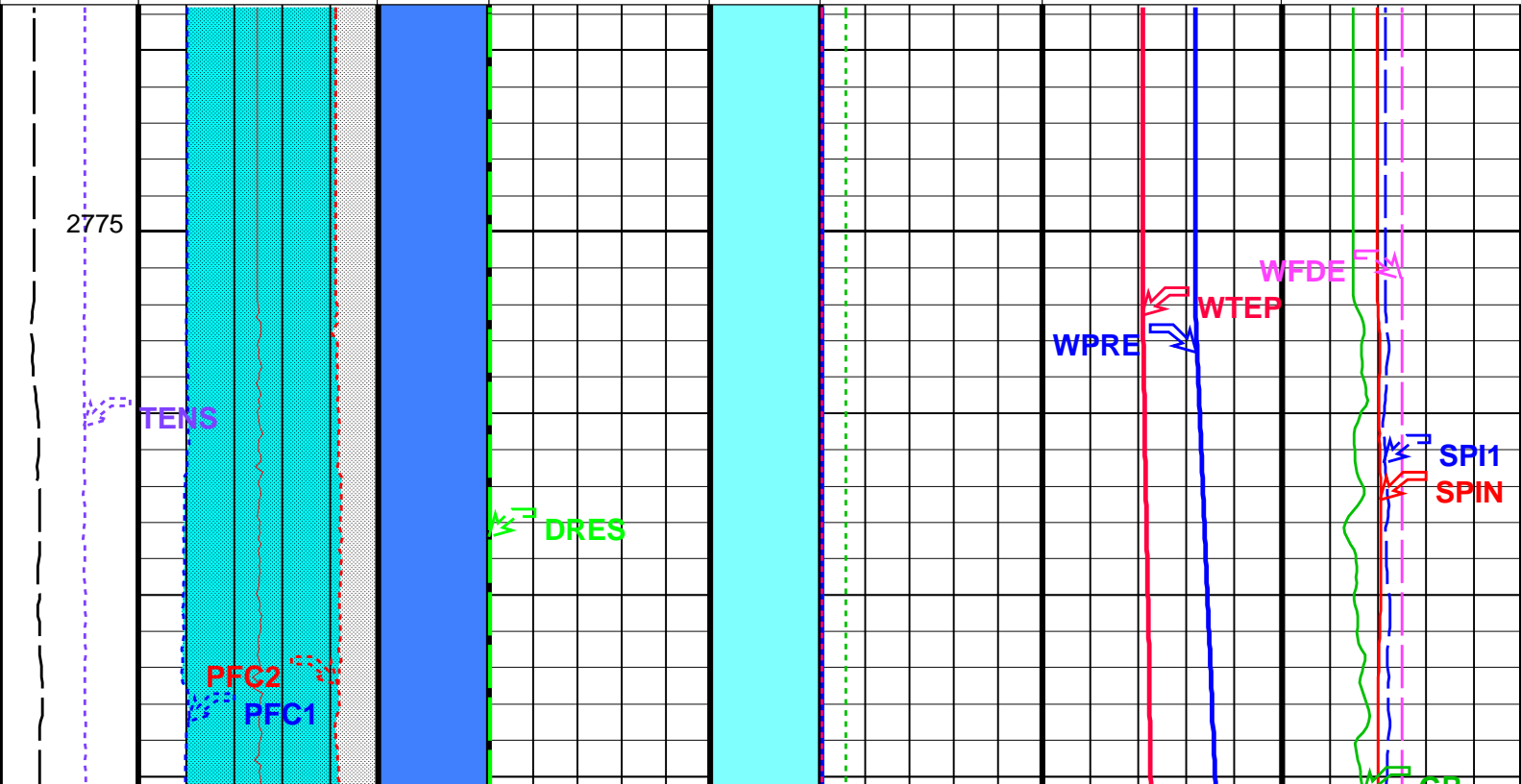


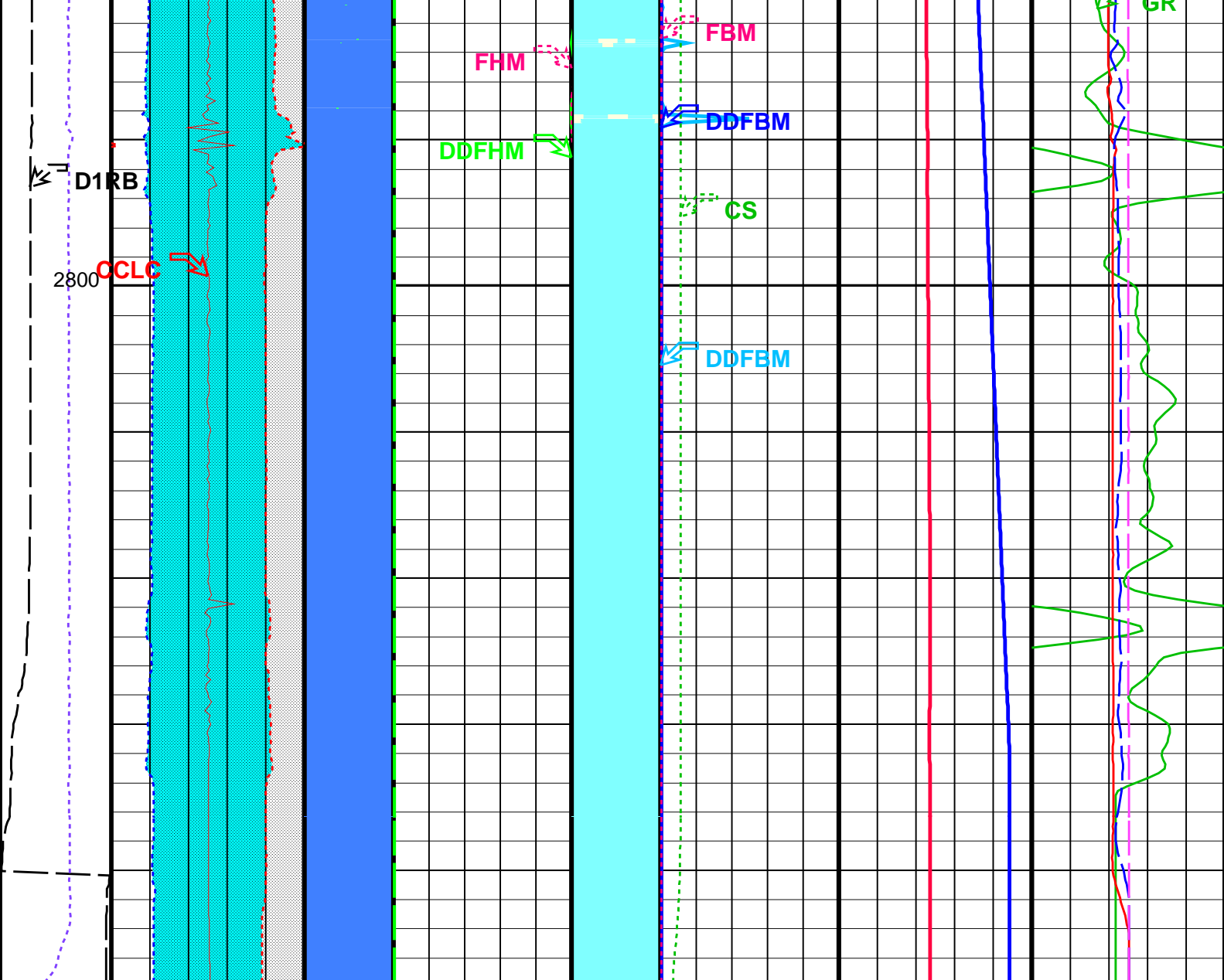


			Well Fluid Density (WFDE) (G/C3)			2
0						
PIP SUMMARY						
Time Mark Every 60 S						
Format: PSP_1			Vertical Scale: 1:200		Graphics File Created: 24-May-2007 23:11	
OP System Version: 14C0-302						
MCM						
PFCS-A		14C0-302	PILS-A		14C0-302	
DEFT-C2		14C0-302	PGMC-A/B		14C0-302	
PSPT-A/B		14C0-302				
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	
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			-2.6 M	
PP		Playback Processing			NORMAL	
Input DLIS Files						
DEFAULT	Flip_FCS_ILS_DEFT_034LUP	PRODUCER	24-May-2007 22:41	2823.2 M	2764.7 M	
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_041PUP	FN:37	PRODUCER	24-May-2007 23:11		
Schlumberger						
Static Pass # 2 Up @ 980 ft/hr						
MAXIS Field Log						
Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_016LUP	FN:15	PRODUCER	24-May-2007 17:46	2824.9 M	2777.5 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_040PUP	FN:36	PRODUCER	24-May-2007 23:09	2823.8 M	2768.7 M
OP System Version: 14C0-302						
MCM						
PFCS-A		14C0-302	PILS-A		14C0-302	
DEFT-C2		14C0-302	PGMC-A/B		14C0-302	

	<div>Pipe Ovalisation Between PFC1 and PFC2</div>						
	<div>Well Diameter From PFC2 to PFC3_T1</div>						
	<div>Well Diameter From PFC1 to PFC3_T1</div>		<div>PFC3 Fluid Resistivity (DRES) 0 (OHMM) 360</div>	<div>Filtered Bubble Count (FBM) 0 (CPS) 500</div>	<div>Well Temperature (WTEP) 220 (DEGF) 230</div>	<div>Well Fluid Density (WFDE) 0 (G/C3) 2</div>	
	<div>PFC3 Caliper Y (PFC2) 3 (IN) 8</div>		<div>Filtered Water Holdup (FHM) 0 (----) 1</div>	<div>Avg BUB count (DDFBM) 0 (CPS) 500</div>	<div>Well Pressure (WPRE) 3100 (PSIA) 3300</div>	<div>Filtered Auxiliary Spinner 1 (SPI1) -10 (RPS) 10</div>	
<div>Tension (TENS) (LBF) 0 3000</div>	<div>PFC3 Caliper X (PFC1) 8 (IN) 3</div>		<div>Avg Holdup (DDFHM) 0 (----) 1</div>	<div>Cable Speed (CS) 0 (M/MN) 50</div>	<div>Amplified Temperature (WTEP) 0 (DEGF) 2</div>	<div>PFC3 Spinner (SPIN) -10 (RPS) 10</div>	

<div>Probe1 RB (D1RB) (DEG) 0 360</div>	<div>Comp.CCL (CCLC) 2 (V) -2</div>	<div>Water Holdup Image 2 colors (WATER HIMAGE 2C) (----)</div>	<div>PFC3 Computed Holdup (DFCHM) 0 (----) 1</div>	<div>Amplified Avg Bubble count (DDFBM) 0 (CPS) 10</div>	<div>Amplified Pressure (WPRE) 0 (PSIA) 10</div>	<div>GR (GR) (GAPI) 150</div>	
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<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</div>	<div>Comp.CCL (CCLC) (V)</div> <div>2-----2</div>	<div>Water Holdup Image 2 colors (WATER HIMAGE 2C) (----</div> <div><div>-0.50000.5000</div></div>	<div>PFCS Computed Holdup (DFCHM)</div> <div>0(----)1</div> <div><div>1.0000100.0000200.0000300.0000400.0000500.0000600.0000700.0000800.0000900.00001000.00001100.00001200.00001300.00001400.00001500.0000</div><div>Bub Counts Image 16 colors (DBIMAG E_16C) (----</div></div>	<div>Amplified Avg Bubble count (DDFBM)</div> <div>0(CPS)10</div>	<div>Amplified Pressure (WPRE) (PSIA)</div> <div>0-----10</div>	<div>GR (GR) (GAPI)</div> <div>0-----150</div>
<div>Tension (TENS) (LBF)</div> <div>03000</div>	<div>PFCS Caliper X (PFC1) (IN)</div> <div>8-----3</div>		<div>Avg Holdup (DDFHM)</div> <div>0(----)1</div>	<div>Cable Speed (CS) (M/MN)</div> <div>0-----50</div>	<div>Amplified Temperature (WTEP) (DEGF)</div> <div>0-----2</div>	<div>PFCS Spinner (SPIN) (RPS)</div> <div>-10-----10</div>
	<div>PFCS Caliper Y (PFC2) (IN)</div> <div>2-----8</div>		<div>Filtered Water Holdup (FHM)</div> <div>0(----)1</div>	<div>Avg BUB count (DDFBM)</div> <div>0(CPS)500</div>	<div>Well Pressure (WPRE)</div> <div>3100(PSIA)3300</div>	<div>Filtered Auxiliary Spinner 1 (SPI1) (RPS)</div> <div>10-----10</div>

3 (IN)	0 (---)	0 (CPS)	500 (PSIA)	3100 (PSIA)	3500 (PSIA)	10 (KFS)	10			
Well Diameter From PFC1 to PFC5_T1	PFCS Fluid Resistivity (DRES) 0 (OHMM) 360	Filtered Bubble Count (FBM) 0 (CPS) 500	Well Temperature (WTEP) 220 (DEGF) 230	Well Fluid Density (WFDE) 0 (G/C3) 2						
Well Diameter From PFC2 to PFC5_T1										
Pipe Ovalisation Between PFC1 and PFC2										

Format: PFCS_Image_DL

Vertical Scale: 1:200

Graphics File Created: 24-May-2007 23:09

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	
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			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-1.1	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_016LUP	FN:15	PRODUCER	24-May-2007 17:46	2824.9 M	2777.5 M

Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_040PUP	FN:36	PRODUCER	24-May-2007 23:09
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Input DLIS Files

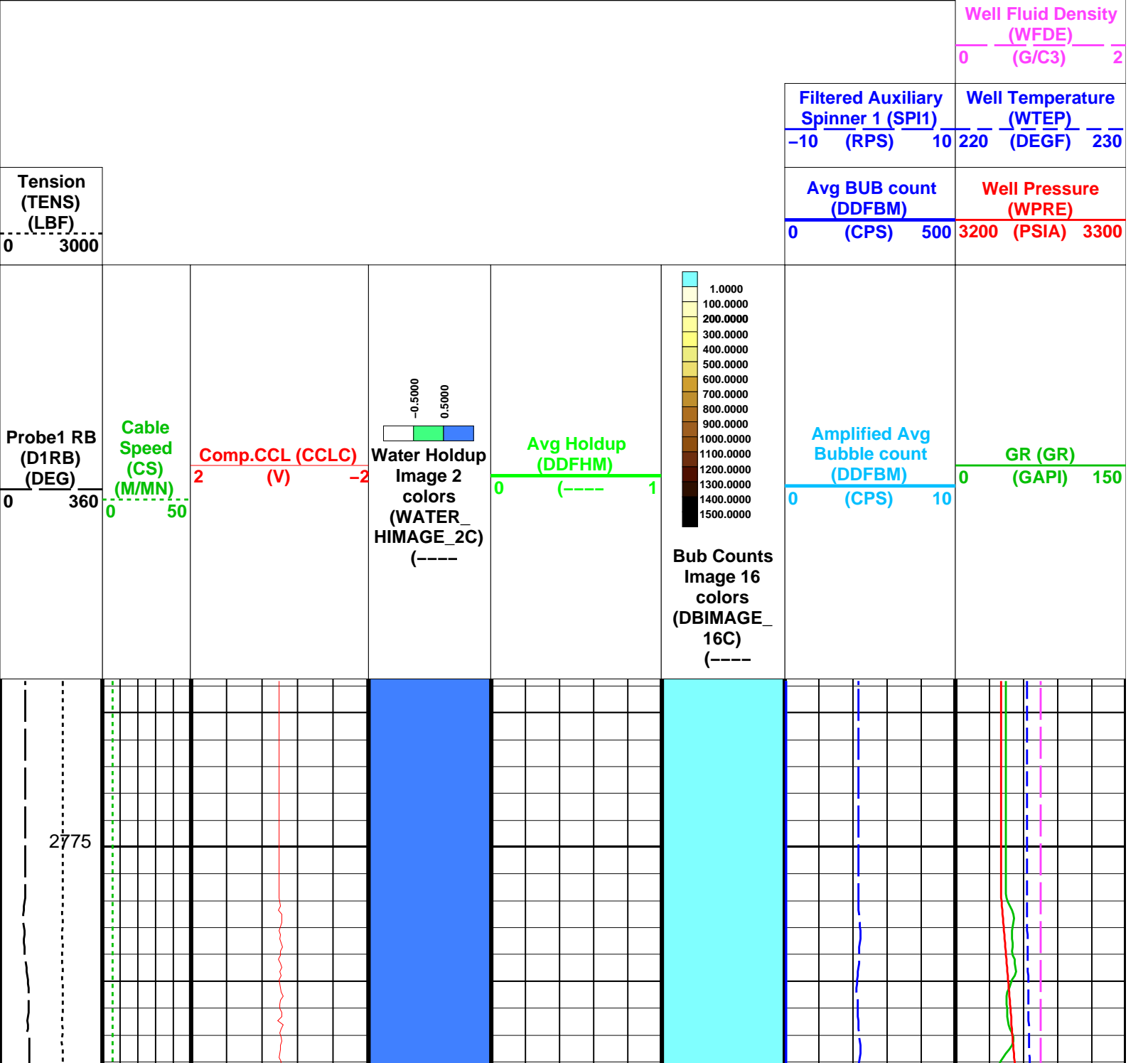
DEFAULT	FCS_ILS_DEFT_GMS_016LUP	FN:15	PRODUCER	24-May-2007 17:46	2824.9 M	2777.5 M
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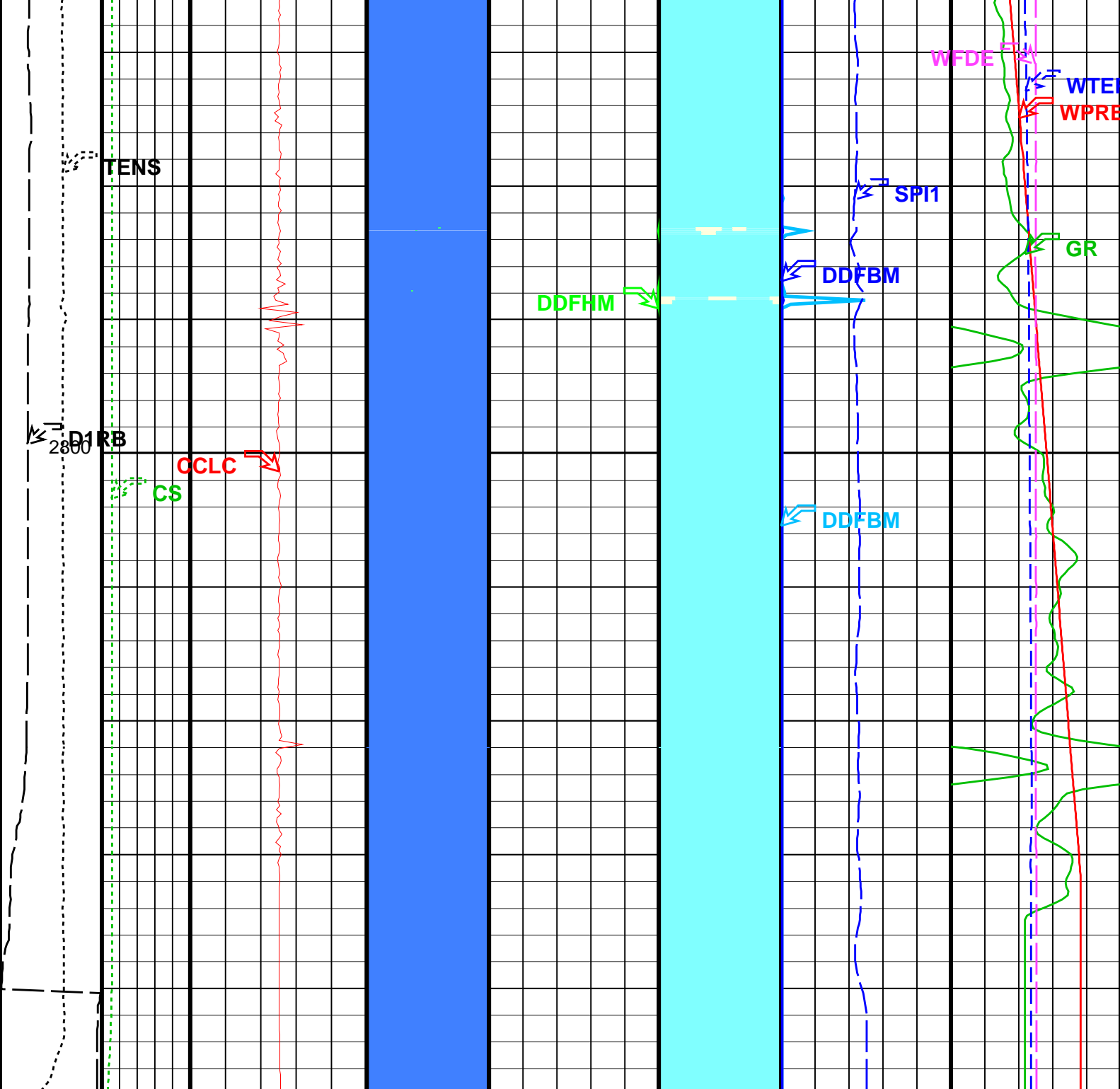
Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_040PUP	FN:36	PRODUCER	24-May-2007 23:09	2823.8 M	2768.7 M
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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

Cable
Speed
(CS)
(M/MN)
0 50

Comp.CCL (CCLC)
(V)
2 -2

Water Holdup
Image 2
colors
(WATER_
HIMAGE_2C)
(----
-0.5000
0.5000

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
1500.0000

Bub Counts
Image 16
colors
(DBIMAGE_
16C)
(----

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

GR (GR)
(GAPI)
0 150

Tension (TENS) (LBF) 0 3000					Avg BUB count (DDFBM)		Well Pressure (WPRE)	
					0	(CPS) 500	3200	(PSIA) 3300
					Filtered Auxiliary Spinner 1 (SPI1)		Well Temperature (WTEP)	
					-10	(RPS) 10	220	(DEGF) 230
							Well Fluid Density (WFDE)	
							0	(G/C3) 2

Format: DEFT_Image_DL

Vertical Scale: 1:200

Graphics File Created: 24-May-2007 23:09

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	
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	-1.1	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_016LUP	FN:15	PRODUCER	24-May-2007 17:46	2824.9 M	2777.5 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_040PUP	FN:36	PRODUCER	24-May-2007 23:09		

Input DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_016LUP	FN:15	PRODUCER	24-May-2007 17:46	2824.9 M	2777.5 M

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_040PUP FN:36 PRODUCER 24-May-2007 23:09 2823.8 M 2768.7 M

OP System Version: 14C0-302

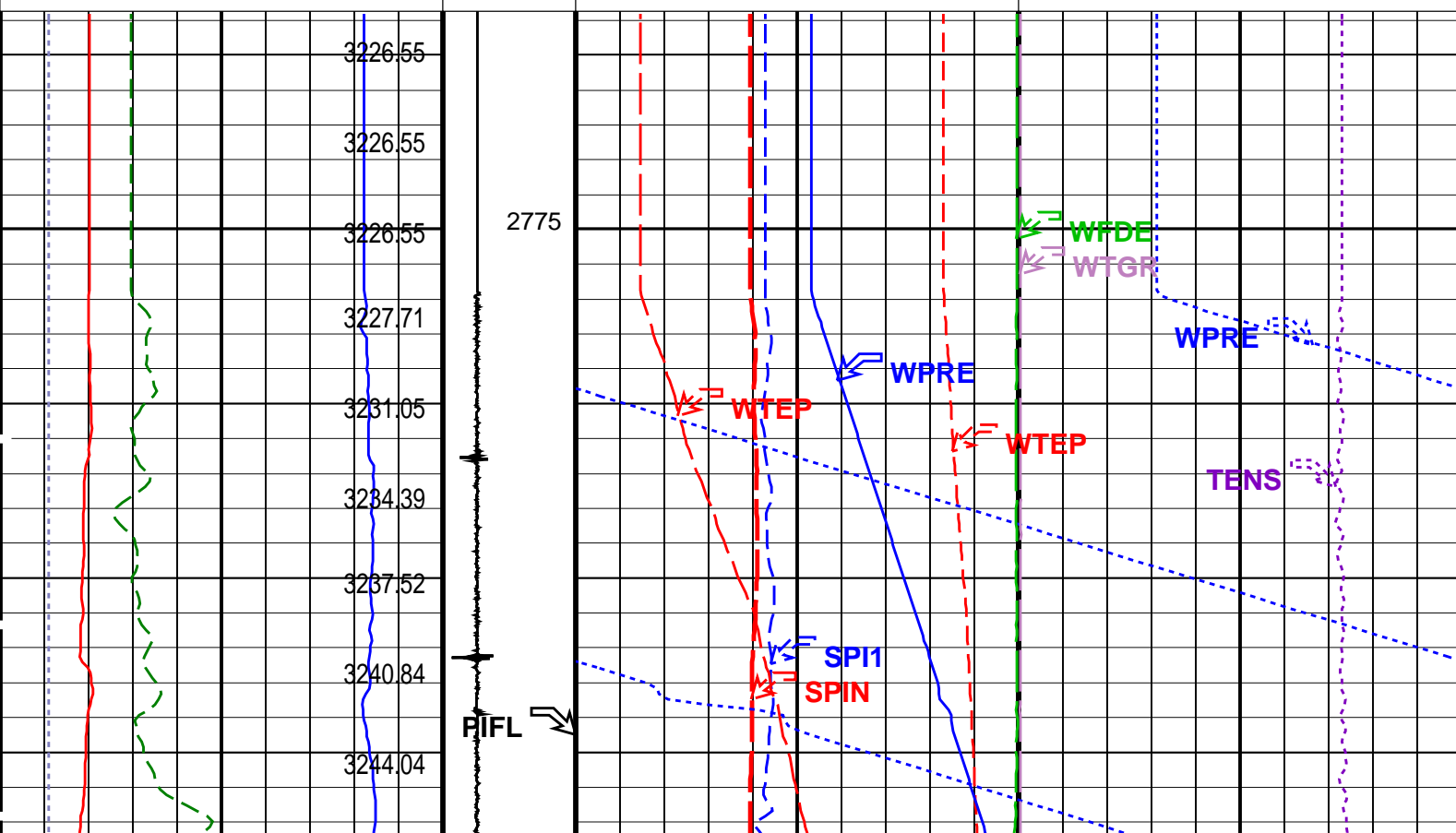
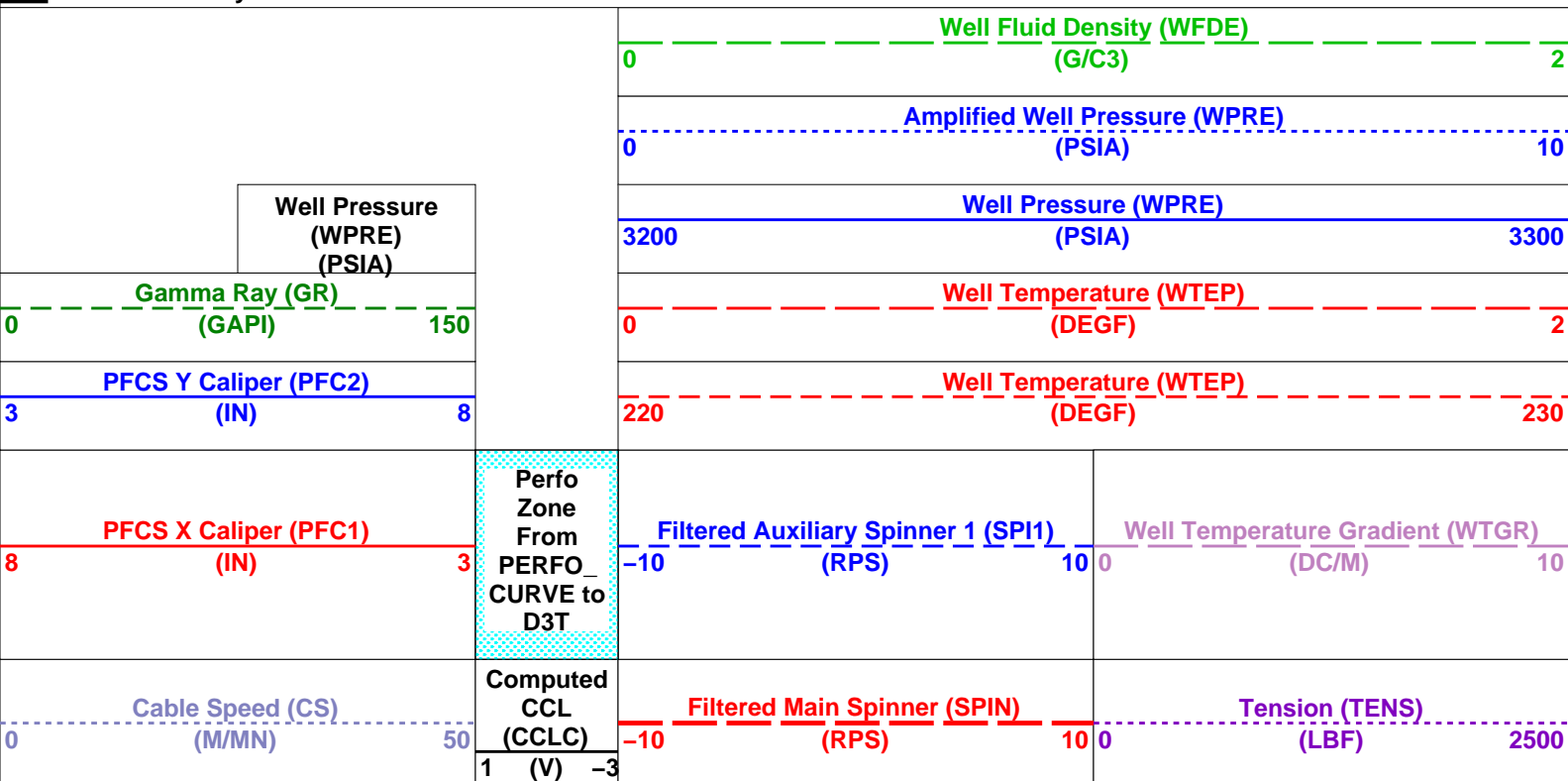
MCM

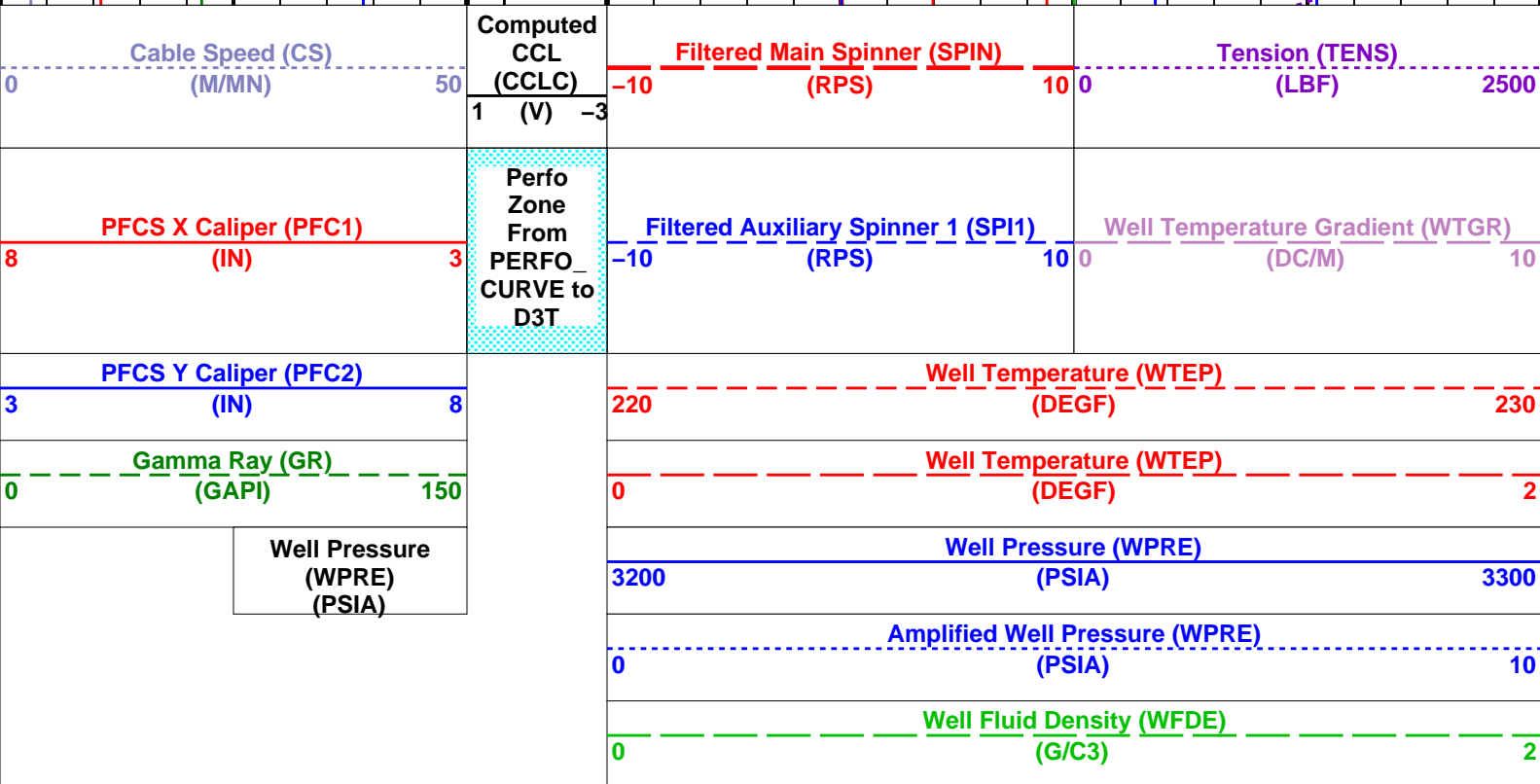
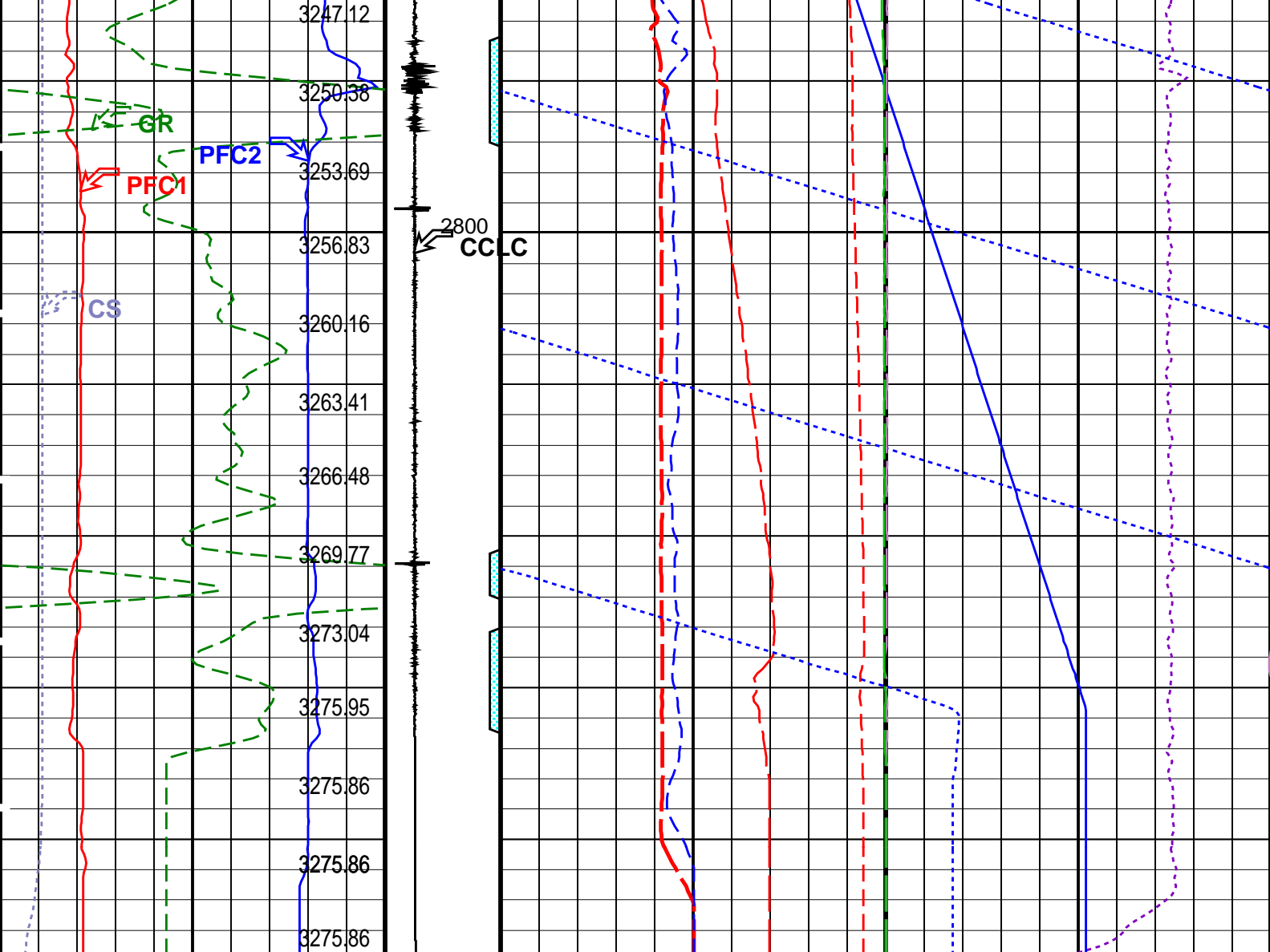
PFCs-A 14C0-302
DEFT-C2 14C0-302
PSPT-A/B 14C0-302

PILS-A 14C0-302
PGMC-A/B 14C0-302

PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200

Graphics File Created: 24-May-2007 23:09

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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0
PDSH	Gradio Correction Density Shift	0
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	35
System and Miscellaneous		
DO	Depth Offset for Playback	-1.1
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_016LUP	FN:15	PRODUCER	24-May-2007 17:46	2824.9 M	2777.5 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_040PUP	FN:36	PRODUCER	24-May-2007 23:09		
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Static Pass # 1
Down @ 1970 ft/hr

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_033LUP		PRODUCER	24-May-2007 22:40	2824.9 M	2732.1 M
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Output DLIS Files

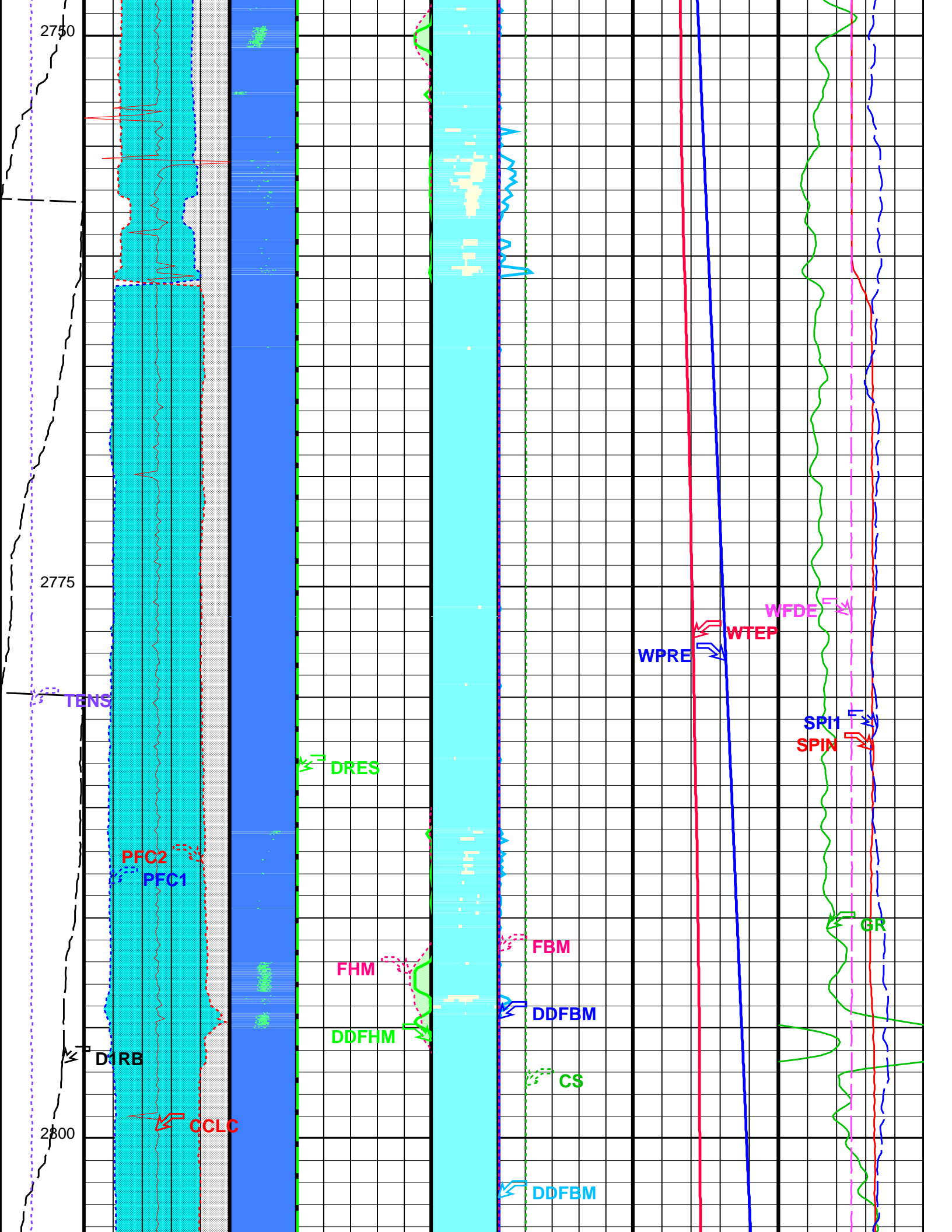
DEFAULT	FCS_ILS_DEFT_GMS_039PUP	FN:35	PRODUCER	24-May-2007 23:06	2822.1 M	2721.6 M
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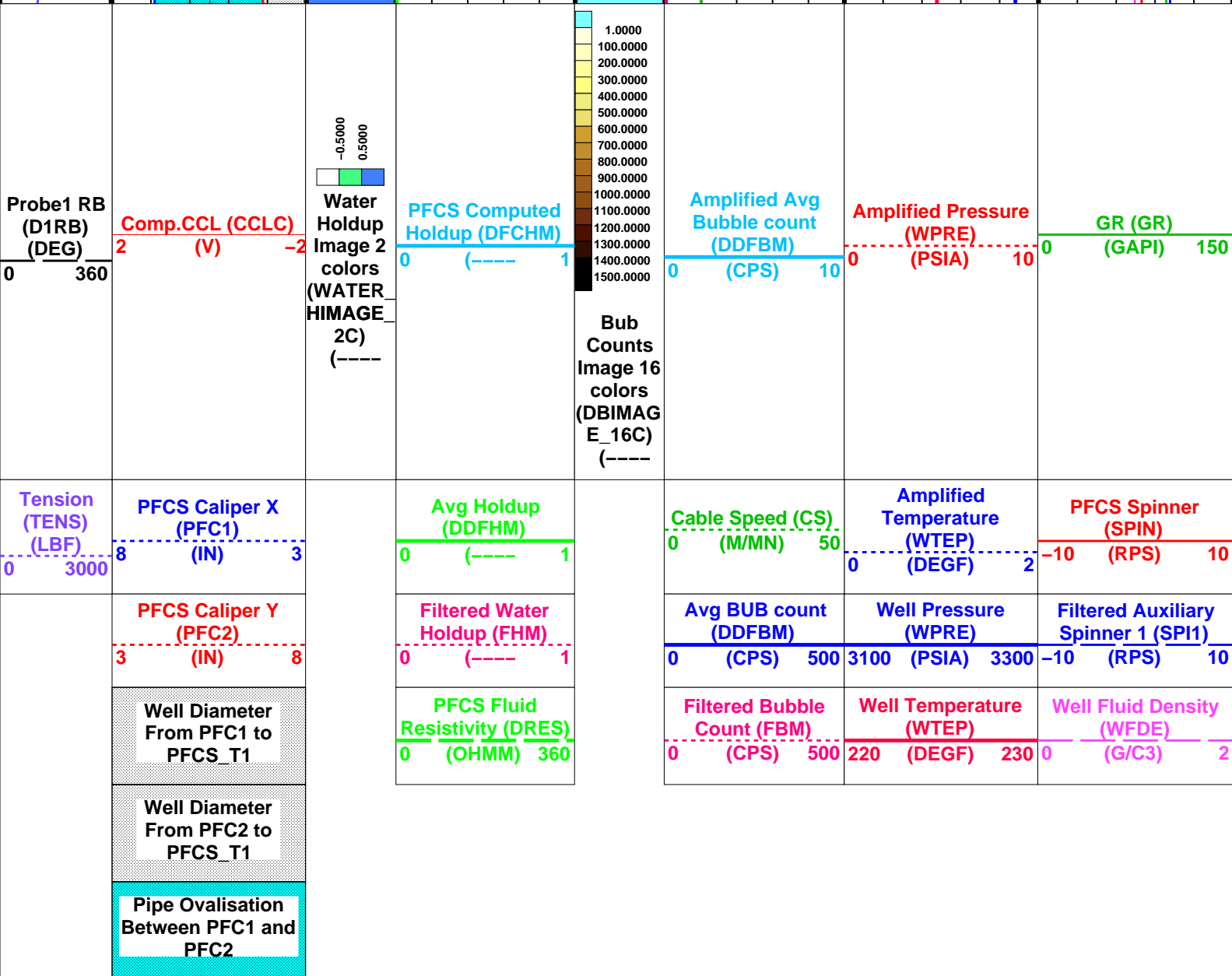
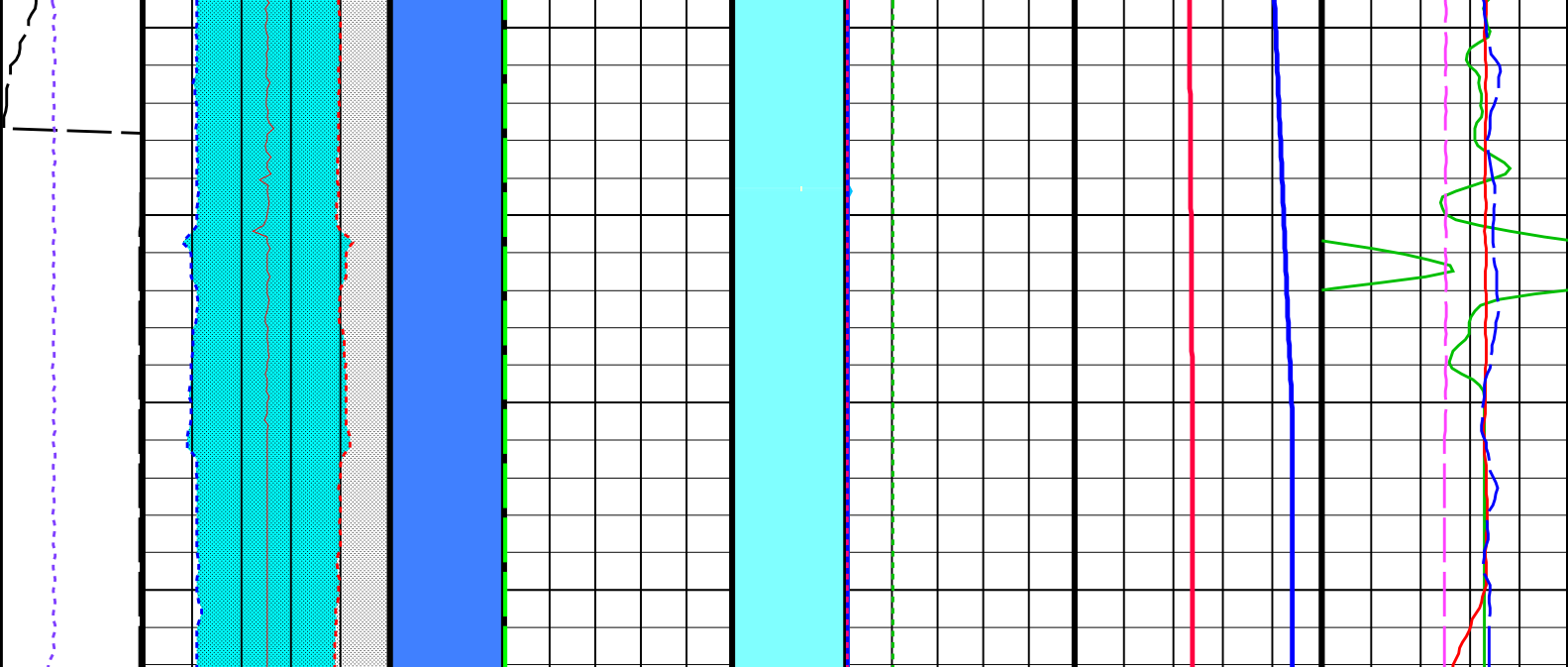
OP System Version: 14C0-302
MCM

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





Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 24-May-2007 23:06

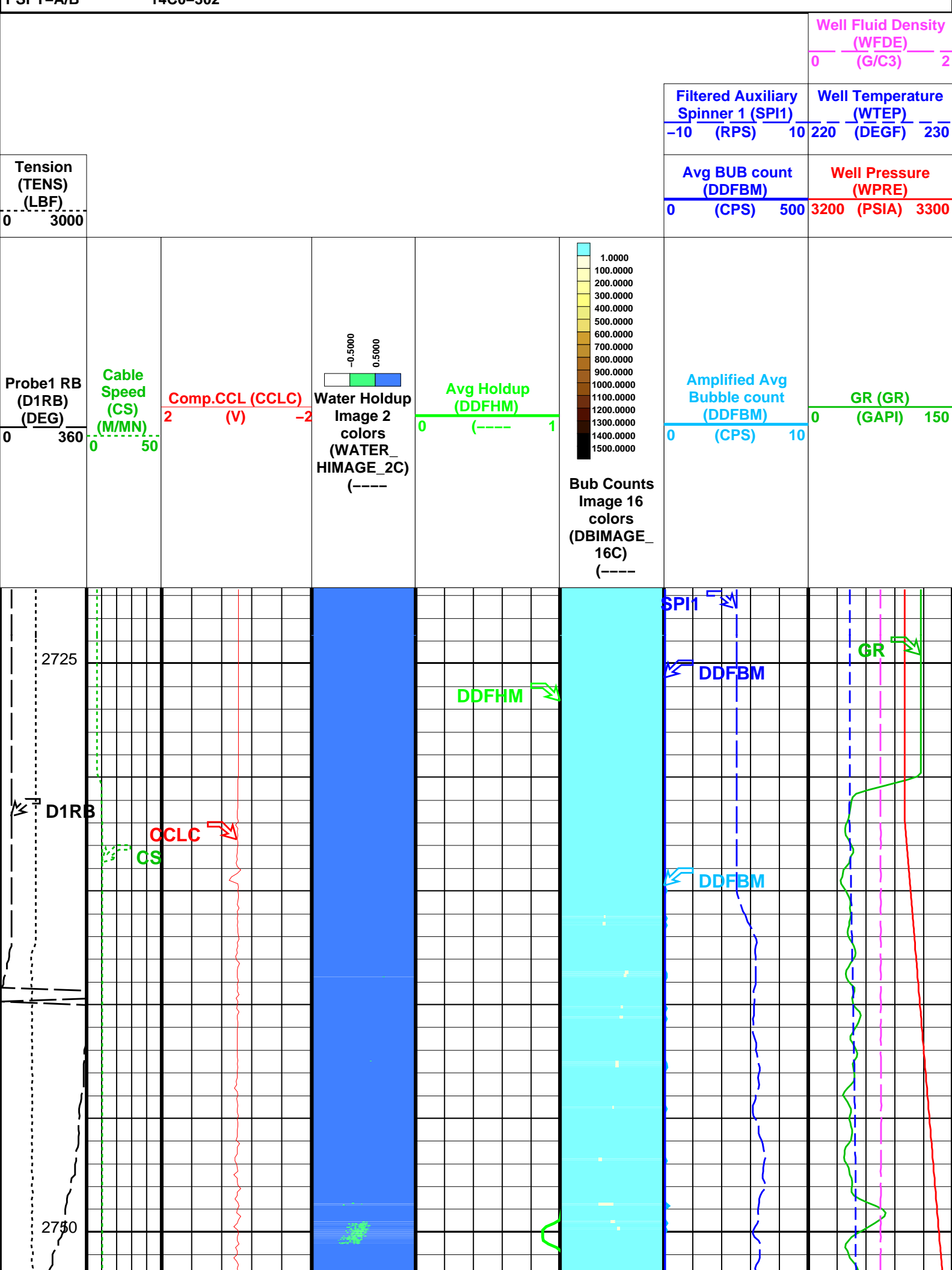
OP System Version: 14C0-302
MCM

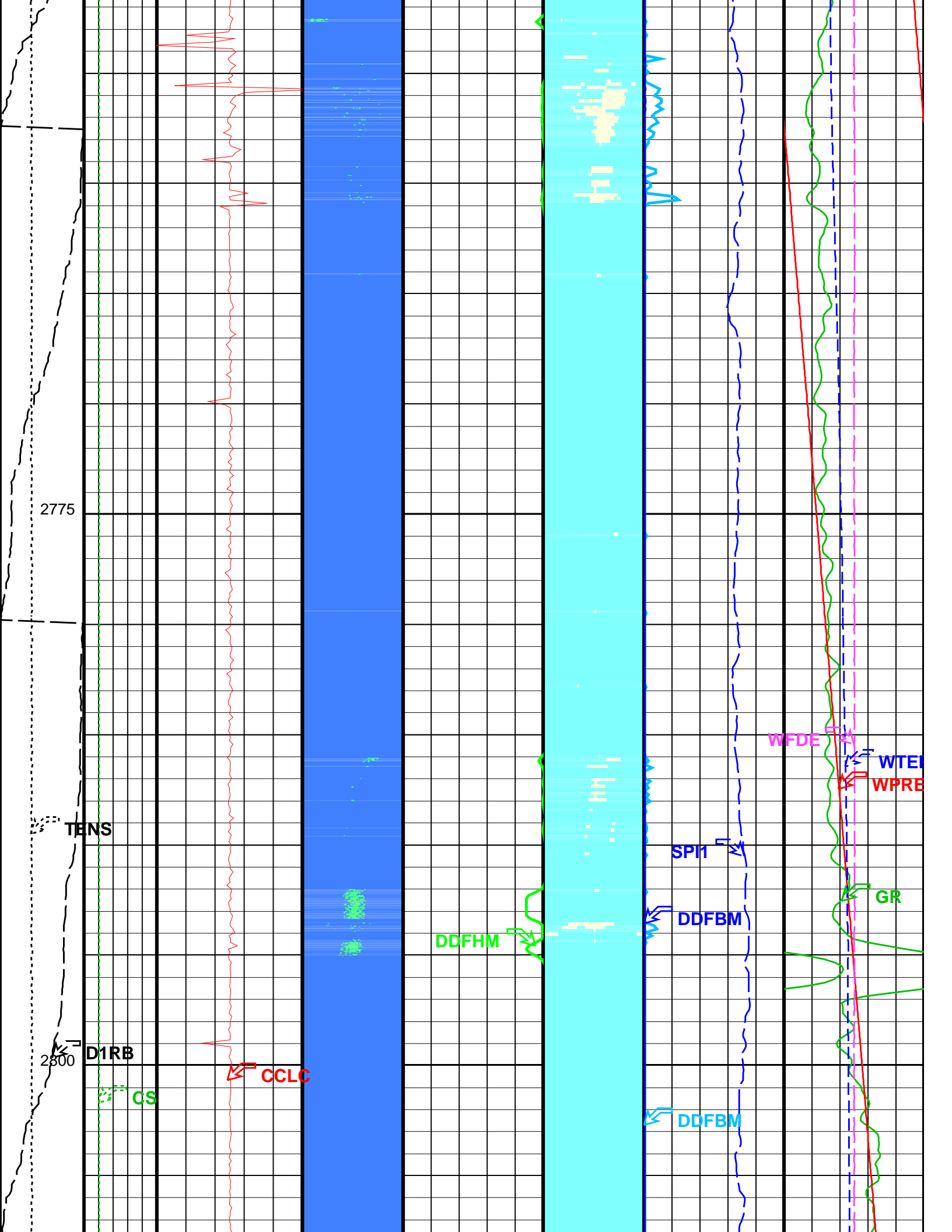
Parameters					
DLIS Name	Description	Value			
PFCS-A: PSP Flow and caliper Tool					
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE			
CSID	Casing Size I.D.	6.875	IN		
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB			
DDRS	Dual DEFT RB Source	D1RB			
DFBD	DEFT Blank Disallowed Probes	NO			
DFFI	DEFT Flip Image	NO			
DFII	DEFT Image Interpolation	YES			
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE			
DFPP	Probes Arm Position	A			
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					
CSIZ	Current Casing Size	7.625	IN		
DO	Depth Offset for Playback	-2.8	M		
PP	Playback Processing	NORMAL			

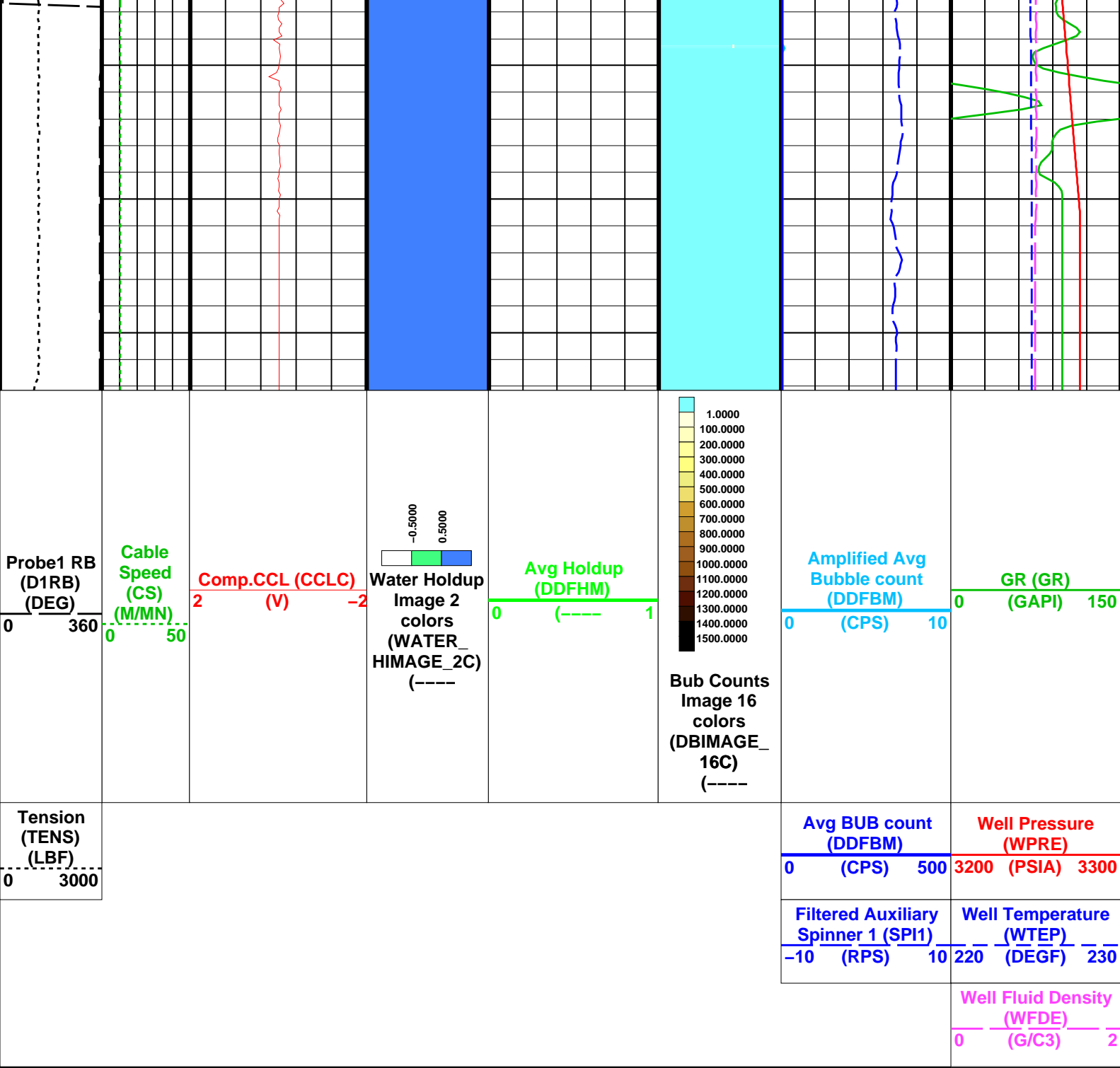
Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_033LUP	PRODUCER	24-May-2007 22:40	2824.9 M	2732.1 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_039PUP	FN:35	PRODUCER	24-May-2007 23:06	

Input DLIS Files					
DEFAULT	Flip_FCS_ILS_DEFT_033LUP	PRODUCER	24-May-2007 22:40	2824.9 M	2732.1 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_039PUP	FN:35	PRODUCER	24-May-2007 23:06	2822.1 M 2721.6 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				







Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 24-May-2007 23:06

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
DEIRS	DEFT Image Rotation Selection	TOP_MIDDLE

DFPP	DEFT Image Rotation Selection	TOP_MIDDLE	A	
SDCF	Probes Arm Position		6	
SPI1	Spinner Depth Constant Filter			
	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	
GCPD	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		-2.8	M
PP	Playback Processing		NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_033LUP	PRODUCER	24-May-2007 22:40	2824.9 M	2732.1 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_039PUP	FN:35	PRODUCER	24-May-2007 23:06
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Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_033LUP	PRODUCER	24-May-2007 22:40	2824.9 M	2732.1 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_039PUP	FN:35	PRODUCER	24-May-2007 23:06	2822.1 M	2721.6 M
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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) (G/C3)	
		0	2
		Amplified Well Pressure (WPRES) (PSIA)	
		0	10
Well Pressure (WPRES) (PSIA)		3100	3300
Gamma Ray (GR) (GAPI)		Well Temperature (WTEP) (DEGF)	
0	150	0	2
PFCS Y Caliper (PFC2) (IN)		Well Temperature (WTEP) (DEGF)	
3	8	220	230
PFCS X Caliper (PFC1) (IN)		Filtered Auxiliary Spinner 1 (SPI1) (RPS)	Well Temperature Gradient (WTGR) (DC/M)
8	3	-10	10
Perfo Zone From PERFO			

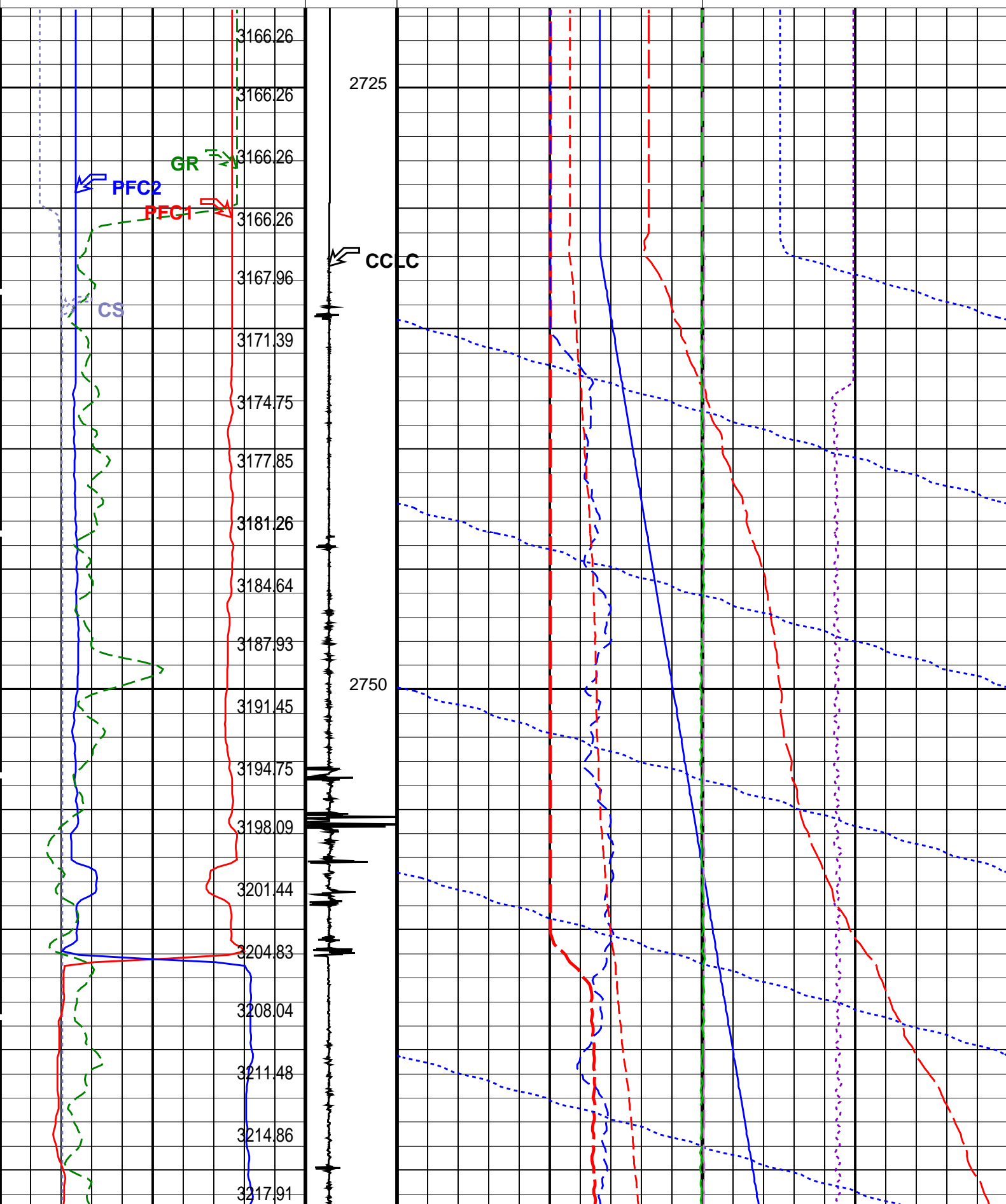
Computed
CCL
(CCLC)

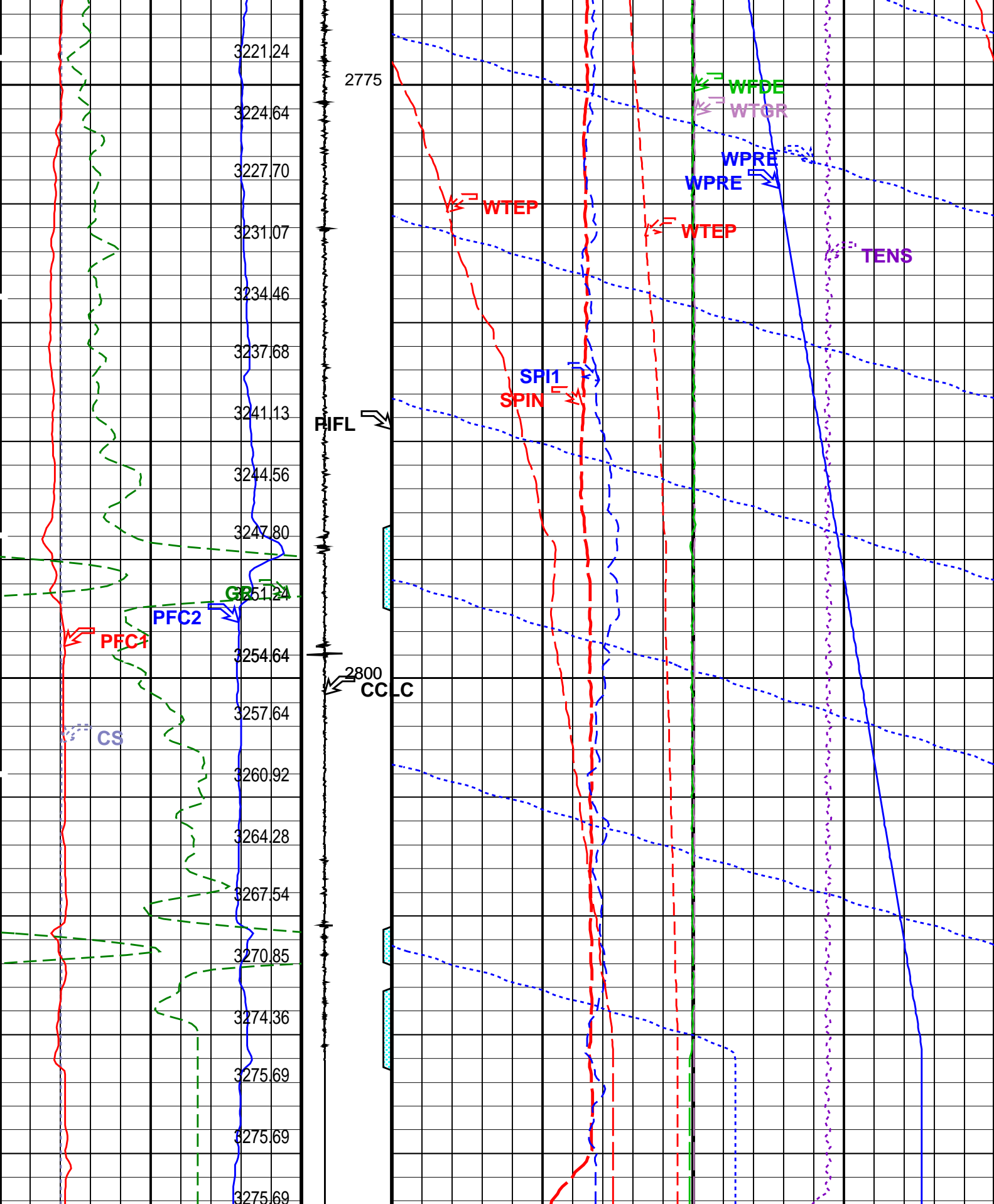
50

Computed
CCL
(CCLC)

10

2500





Cable Speed (CS) (M/MN)		0	50
Computed CCL (CCLC) (V)		-10	10
Filtered Main Spinner (SPIN) (RPS)		-10	10
Tension (TENS) (LBF)		0	2500
Perfo			

PFCS X Caliper (PFC1) (IN)		3	Zone From PERFO_CURVE to D3T	Filtered Auxiliary Spinner 1 (SPI1) (RPS)	10	Well Temperature Gradient (WTGR) (DC/M)	10
PFCS Y Caliper (PFC2) (IN)		8		Well Temperature (WTEP) (DEGF)			
Gamma Ray (GR) (GAPI)		150		Well Temperature (WTEP) (DEGF)			
Well Pressure (WPRE) (PSIA)				Well Pressure (WPRE) (PSIA)			
				Amplified Well Pressure (WPRE) (PSIA)			
				Well Fluid Density (WFDE) (G/C3)			

PIP SUMMARY

Time Mark Every 60 S	Format: PSP_1	Vertical Scale: 1:200	Graphics File Created: 24-May-2007 23:06
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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	
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	-2.8	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_ILS_DEFT_033LUP	PRODUCER	24-May-2007 22:40	2824.9 M	2732.1 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_039PUP	FN:35	PRODUCER	24-May-2007 23:06	
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Calibration Listing

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
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PSP Flow and caliper Tool Wellsite Calibration – PFCS Caliper Calibration

Before: 21–May–2007 15:34

PFCS CaliperX Small Ring	5.500	N/A	5.497	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	5.573	N/A	N/A	N/A	IN
PFCS CaliperY Large Ring	8.000	N/A	8.186	N/A	N/A	N/A	IN

DEFT_C Tool Wellsite Calibration – DEFT_C2 Caliper Calibration

Before: 21–May–2007 15:34

DEFT–C2 Caliper Small Ring	5.500	N/A	5.525	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: 21–May–2007 15:33

Gamma–Ray Jig–Bkg	125.0	N/A	118.8	N/A	N/A	N/A	GAPI
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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
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PSP Flow and caliper Tool Wellsite Calibration

PFCS Caliper Calibration

Phase	PFCS CaliperX Small Ring IN		Value	Phase	PFCS CaliperX Large Ring IN		Value	Phase	PFCS CaliperY Small Ring IN		Value	
Before			5.497	Before			8.148	Before			5.573	
N/A (Minimum)			5.500 (Nominal)	N/A (Maximum)				N/A (Minimum)			5.500 (Nominal)	N/A (Maximum)
Phase	PFCS CaliperY Large Ring IN		Value									
Before			8.186									
N/A (Minimum)			8.000 (Nominal)									
Before: 21-May-2007 15:34												

Before: 21–May–2007 15:34

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
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DEFT_C Tool Wellsite Calibration

DEFT_C2 Caliper Calibration

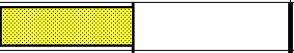

Phase	DEFT–C2 Caliper Small Ring IN		Value	Phase	DEFT–C2 Caliper Large Ring IN		Value
Before			5.525	Before			7.955
	N/A (Minimum)	5.500 (Nominal)	N/A (Maximum)		N/A (Minimum)	8.000 (Nominal)	N/A (Maximum)

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	30.00	120.0	110.0	125.0	140.0
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)
Before: 21-May-2007 15:33					

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **A-16**

Field: **Cobia**

Rig : **Prod4 / Crane**

Country: **Australia**

Dual Deft / Spinner
GR-PLT-Gradic
Survey