

Prod 4 / Crane

Bream A

Rig:

Field:

Loggin
Run N
Depth
Schlun
Bottom
Top L
Casin
Salini
Densi
Fluid I
BIT/
Bit Siz
From
To
Casin
Weigh
Grade
From
To
Maxim
Logge
Unit N
Recor
Withe

Company: **Esso Australia Ltd**

Well: **BMA A-10a**

Well Id: **Bream A**

Well Id: **Prod 4 / Crane** Country: **Australia**

PLT / Dual DEFT

Spinner

Survey

Location: Gippsland

Well: BMA A-10a

Company: Esso Australia Ltd

LOCATION

Gippsland  
Basin  
Bass Strait

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

Elev.: K.B. 32.8 m  
G.L. -59 m  
D.F. 32.8 m

State: Victoria

Max. Well Deviation  
48 deg

Longitude  
147 46' 19.976" E

Latitude  
38 29' 58.824" S

Logging Date  
12-May-2006

Run Number  
1

Driller  
3391 m

Depth Driller

Schlumberger Depth  
2850 m

Schlumberger Depth

Bottom Log Interval  
2850 m

Bottom Log Interval

Top Log Interval  
2715 m

Top Log Interval

Casing Fluid Type  
Production Fluids

Casing Fluid Type

Salinity

Salinity

Density

Density

Fluid Level

Fluid Level

BIT/CASING/TUBING STRING

BIT/CASING/TUBING STRING

Bit Size

Bit Size

From

From

To

To

Casing/Tubing Size  
3.500 in

Casing/Tubing Size

Weight  
9.3 lbm/ft

Weight

Grade  
132Cr80

Grade

From  
11.1 m

From

To  
2856.9 m

To

Maximum Recorded Temperatures  
118 degC

Maximum Recorded Temperatures

Logger On Bottom  
12-May-2006

Logger On Bottom

Unit Number  
1

Unit Number

Recorded By  
G Wright & P Tarrant

Recorded By

Witnessed By  
B White & B Robinson

Witnessed By

Run 1

Run 2

Run 3

Run 4

Oil Density

Oil Density

Water Salinity

Water Salinity

Gas Gravity

Gas Gravity

Bo

Bo

Bw

Bw

1/Bg

1/Bg

Bubble Point Pressure

Bubble Point Pressure

Bubble Point Temperature

Bubble Point Temperature

Solution GOR

Solution GOR

Maximum Deviation  
48 deg

Maximum Deviation

CEMENTING DATA

CEMENTING DATA

Primary/Squeeze  
Primary

Primary/Squeeze

Casing String No

Casing String No

Lead Cement Type

Lead Cement Type

Volume

Volume

Density

Density

Water Loss

Water Loss

Additives

Additives

Expected Cement Top

Expected Cement Top

Logging Date

Logging Date

Run Number

Run Number

Depth Driller

Depth Driller

Schlumberger Depth

Schlumberger Depth

Bottom Log Interval

Bottom Log Interval

Top Log Interval

Top Log Interval

Casing Fluid Type

Casing Fluid Type

Salinity

Salinity

Density

Density

Fluid Level

Fluid Level

BIT/CASING/TUBING STRING

BIT/CASING/TUBING STRING

Bit Size

Bit Size

From

From

To

To

Casing/Tubing Size

Casing/Tubing Size

Weight

Weight

Grade

Grade

From

From

To

To

Maximum Recorded Temperatures

Maximum Recorded Temperatures

Logger On Bottom

Logger On Bottom

Unit Number

Unit Number

Recorded By

Recorded By

Witnessed By

Witnessed By

## DEPTH SUMMARY LISTING

### Depth System Equipment

Date Created: 10-MAY-2006 0:39:49

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-H	Type:	CMTD-B/A	Type:	2-23ZT
Serial Number:	797	Serial Number:	1037	Serial Number:	22372
Calibration Date:	01 May 2005	Calibration Date:	01 Apr 2006	Length:	5049.93 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1174	Conveyance Method: Wireline Rig Type: Offshore_Fixed	
Calibration Cable Type:	2-32ZT	Calibration Gain:	1.37		
Wheel Correction 1:	-3	Calibration Offset:	635.00		
Wheel Correction 2:	-3				

### Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Solar Log
Reference Log Run Number:	Unknown
Reference Log Date:	Unknown
Subsequent Trip Down Log Correction:	-50000.00 M

### Depth Control Remarks

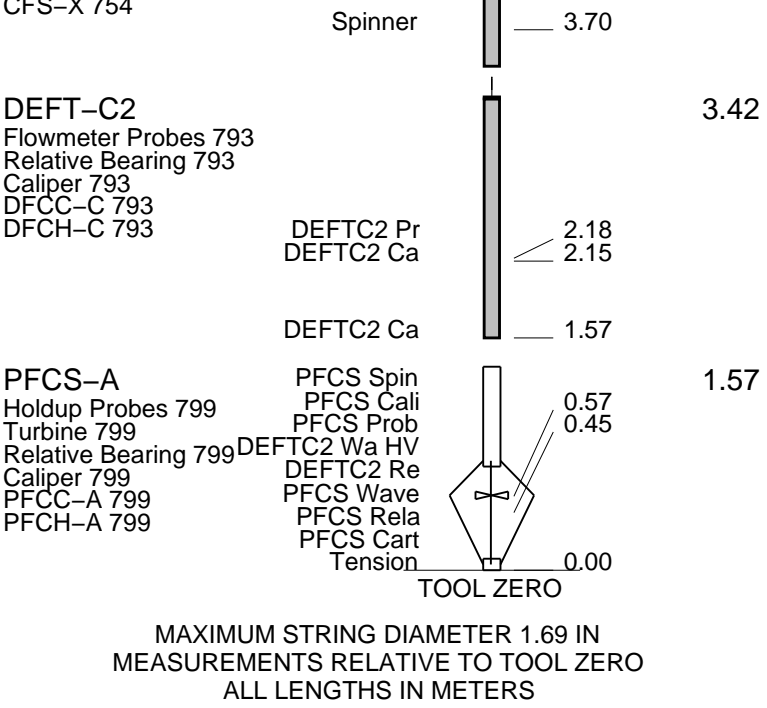
1.
2.
3.
4.
5.
6.

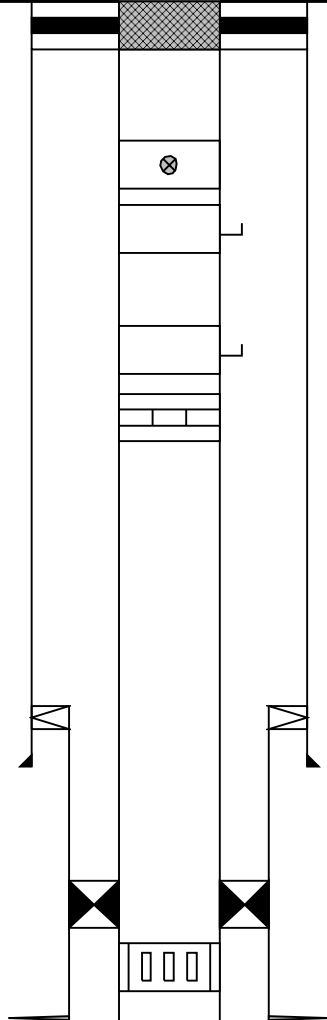
#### DISCLAIMER

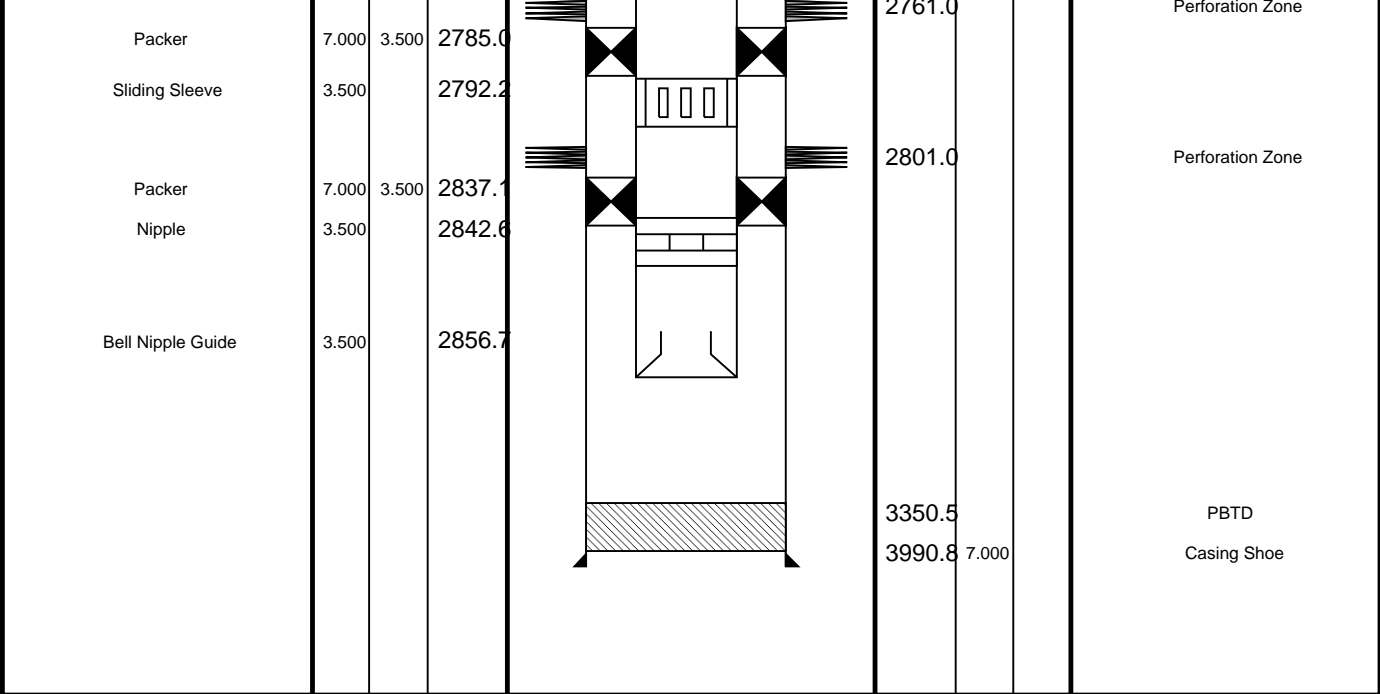
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1	OTHER SERVICES2
OS1: None	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Log correlated to Solar log, dated 13 Jul 2005, provided by client.	
Maximum deviation = 48 degrees at 2316m MDKB	
Objective:	
RIH to 2850m MDKB and correlate on depth.	
With the well shut-in conduct a down pass at 2000ft/hr over the interval 2715m to 2850m MDKB.	
Flow well and once stabilised, conduct a up / down pass at 4000ft/hr and an	
up / down pass at 6000ft/hr.	

DOWNHOLE EQUIPMENT		
AH-SWBS AH-SWBS 731		11.63
AH-SWBS AH-SWBS 761		10.94
AH-SWBS AH-SWBS 762		10.26
AH-SWBS AH-SWBS 763		9.57
MH-SWHS MH-SWHS 753		8.89
EQF-43 EQF-43		8.56
PSPT-A/B PSC-A 1835 PSPT-B 1835 PSTC 1835 PBMS-B 1835 CQG_F_Mano 1835 RTD Thermometer 1835 GR 1835 CCL 1835 PBMS 1835	Detail MT TelStatus CTEM    GR	6.73     5.60
	Well_Temp CQG Manom CCL PBMS PSTC	4.67 4.56 4.44 4.21
CFS-X CFS-X 754		4.21

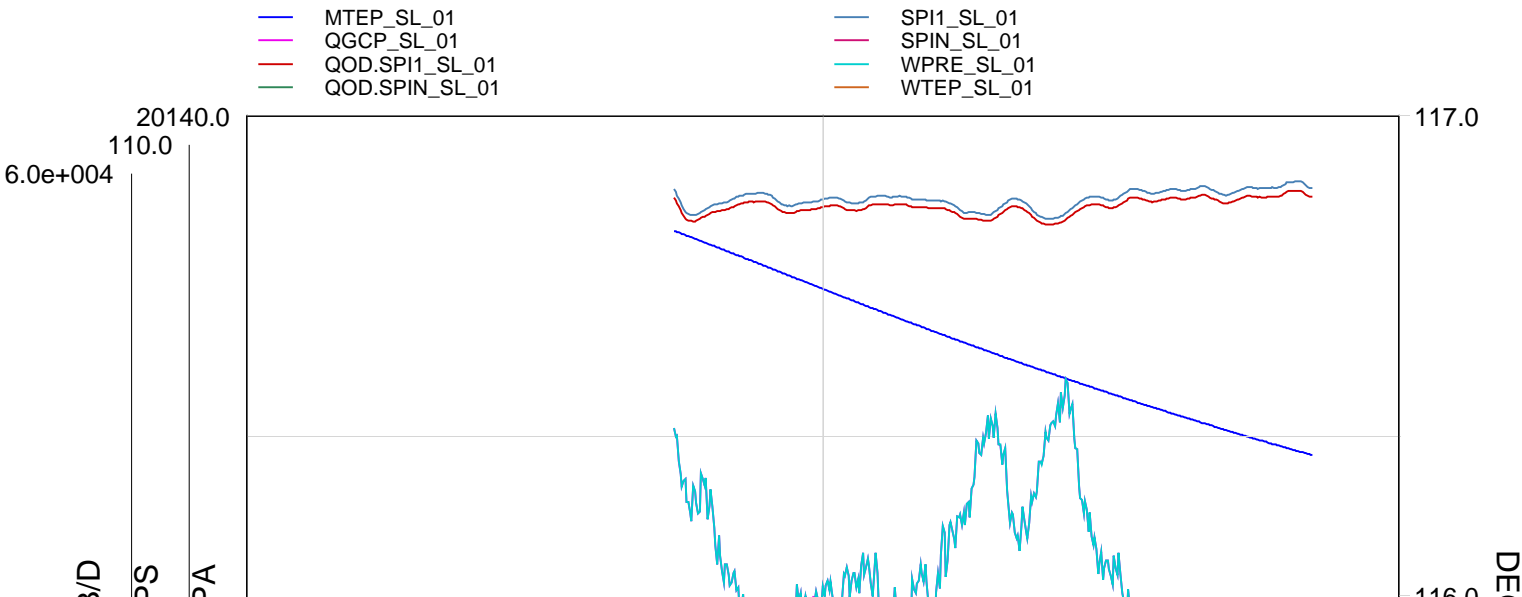


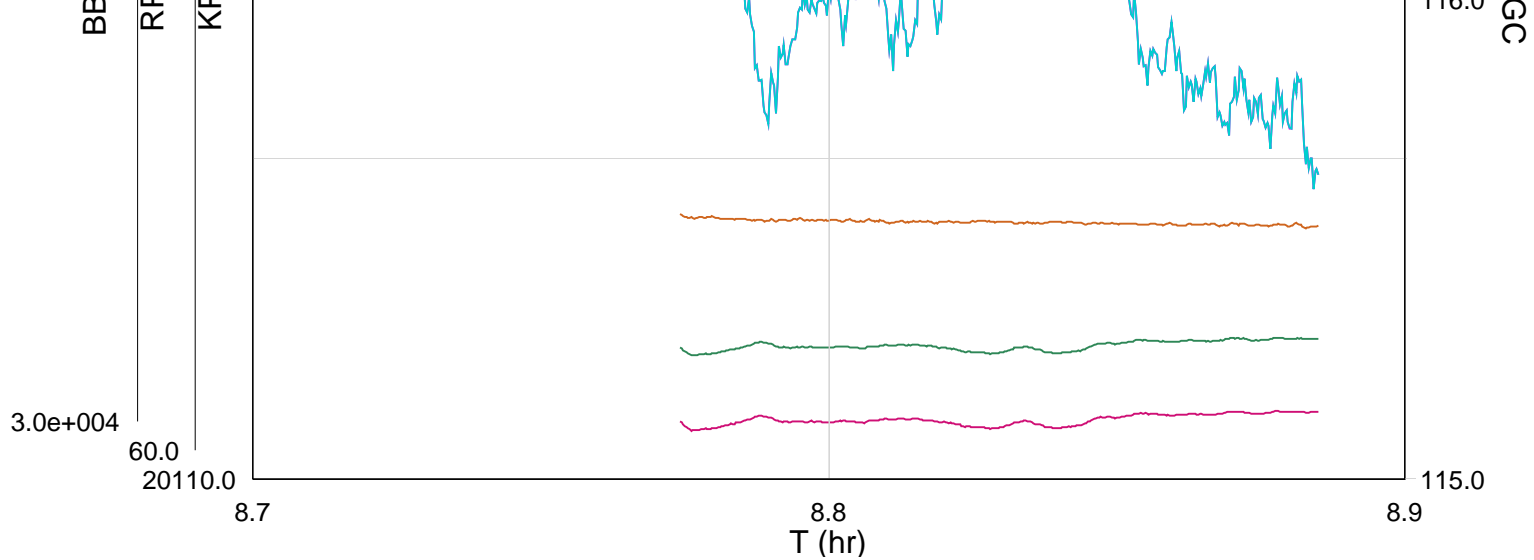
Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger	9.625	3.500	11.1					Casing String
Tubing	3.500		11.1		11.0	9.625		
Shutin Valve	3.500		444.6					
Gas Lift Mandrel	3.500		569.2					
Gas Lift Mandrel	3.500		964.5					
Nipple	3.500		980.6					
					2056.7	7.000		Casing String Liner Hanger Casing Shoe
					2056.7	9.625		
					2246.9	9.625		
Packer	7.000	3.500	2724.8					
Sliding Sleeve	3.500		2731.6					



Flowing Station  
2710m MDKB

MAXIS Field Log





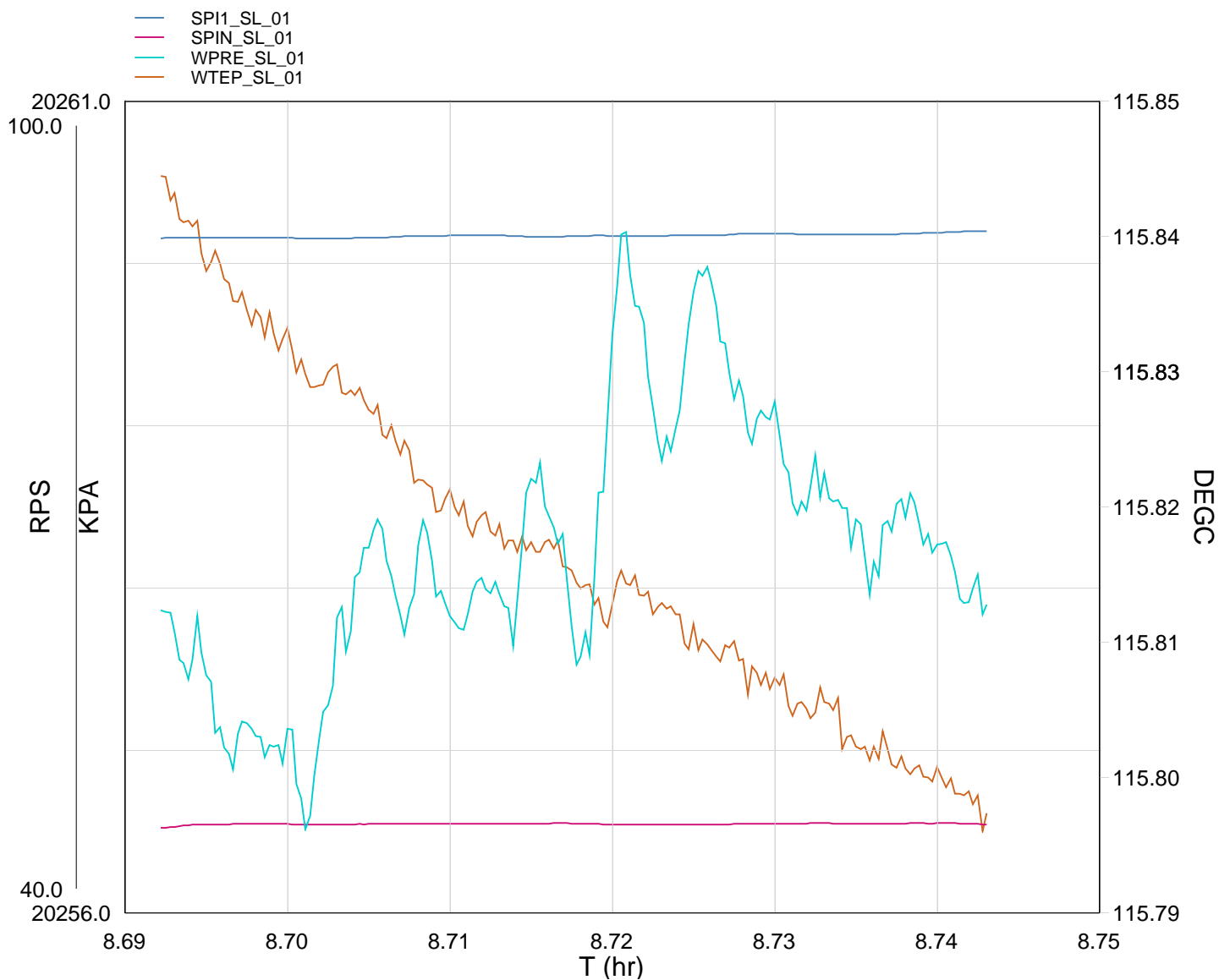
TIME	SPIN	SPIN AUX	DEGF	PSIA
9880.0	62.7530	105.6502	239.9841	2919.4833
9890.0	62.5850	104.8432	239.9828	2919.3468
9900.0	62.6708	105.3116	239.9803	2919.3497
9910.0	62.8684	105.5222	239.9759	2919.0180
9920.0	63.1052	105.8802	239.9725	2918.8757
9930.0	63.2622	105.9865	239.9662	2918.3668
9940.0	62.9936	105.6837	239.9723	2918.6226
9950.0	63.0117	105.3165	239.9733	2918.7656
9960.0	62.9979	105.4886	239.9702	2918.8589
9970.0	62.9539	105.6804	239.9685	2918.9187
9980.0	63.0435	105.7118	239.9685	2918.8015
9990.0	62.9347	105.4542	239.9681	2918.9760
10000.0	63.0514	105.7894	239.9665	2918.9289
10010.0	63.0884	105.8173	239.9602	2918.5816
10020.0	63.1222	105.8132	239.9626	2918.6776
10030.0	63.0668	105.6473	239.9646	2918.9661
10040.0	62.9662	105.5882	239.9656	2918.8145
10050.0	62.8446	105.4331	239.9659	2919.2111
10060.0	62.7009	104.9715	239.9679	2919.3013
10070.0	62.6353	104.8903	239.9678	2919.5955
10080.0	62.7415	105.1921	239.9650	2919.5708
10090.0	62.9954	105.7025	239.9618	2919.1667
10100.0	62.8601	105.1908	239.9598	2919.3310
10110.0	62.6647	104.6562	239.9660	2919.5981
10120.0	62.7256	104.8281	239.9650	2919.7474
10130.0	62.8967	105.4944	239.9542	2919.3690
10140.0	63.2292	105.8090	239.9608	2919.1395
10150.0	63.1778	105.6056	239.9559	2918.9683
10160.0	63.3429	106.0748	239.9583	2918.8221
10170.0	63.3705	106.1031	239.9561	2918.5873
10180.0	63.3376	106.0162	239.9562	2918.5787
10190.0	63.3542	106.2010	239.9500	2918.5476
10200.0	63.3689	106.1869	239.9547	2918.4976
10210.0	63.3454	106.2860	239.9567	2918.5706
10220.0	63.5035	105.8929	239.9556	2918.2939
10230.0	63.4722	106.1105	239.9568	2918.5023
10240.0	63.4147	106.2497	239.9516	2918.4267
10250.0	63.5333	106.2619	239.9558	2918.5212
10260.0	63.4804	106.5435	239.9524	2918.4346

10270.0 63.4680 106.5225 239.9449 2918.1270  
10280.0 63.5308 106.3027 239.9494 2918.1255



Flowing Station  
2750m MDKB

MAXIS Field Log



TIME	SPIN	SPIN AUX	DEGF	PSIA
9580.0	46.2441	89.8414	240.5214	2938.1995
9590.0	46.5360	89.9415	240.5126	2938.1367
9600.0	46.5734	89.9434	240.5038	2938.0538
9610.0	46.5227	89.8222	240.4222	2938.0177



9610.0	46.5687	89.8986	240.4988	2938.0477
9620.0	46.5387	89.8845	240.4948	2938.1083
9630.0	46.5814	89.9400	240.4882	2938.2317
9640.0	46.6026	90.0505	240.4794	2938.2301
9650.0	46.5857	90.0758	240.4730	2938.1573
9660.0	46.5939	90.0449	240.4710	2938.1363
9670.0	46.6432	89.9923	240.4703	2938.2161
9680.0	46.5600	90.0680	240.4605	2938.2827
9690.0	46.5666	90.0516	240.4637	2938.3524
9700.0	46.5410	90.1007	240.4592	2938.4450
9710.0	46.5908	90.2155	240.4557	2938.3542
9720.0	46.6090	90.2338	240.4522	2938.2817
9730.0	46.6231	90.1630	240.4496	2938.2527
9740.0	46.6022	90.1581	240.4436	2938.1922
9750.0	46.6341	90.2454	240.4411	2938.2238
9760.0	46.6103	90.3810	240.4379	2938.1606



DEFT Down Log at 30m/min  
2850m to 2715m MDKB – Flowing

MAXIS Field Log

Input DLIS Files

DEFAULT      Flip\_FCS\_DEFT\_CFS\_027LUP      PRODUCER    12-May-2006 15:42    2850.8 M      2691.2 M

Output DLIS Files

DEFAULT      FCS\_DEFT\_CFS\_PSP\_034PUP    FN:30    PRODUCER    12-May-2006 16:24    2846.8 M      2687.7 M

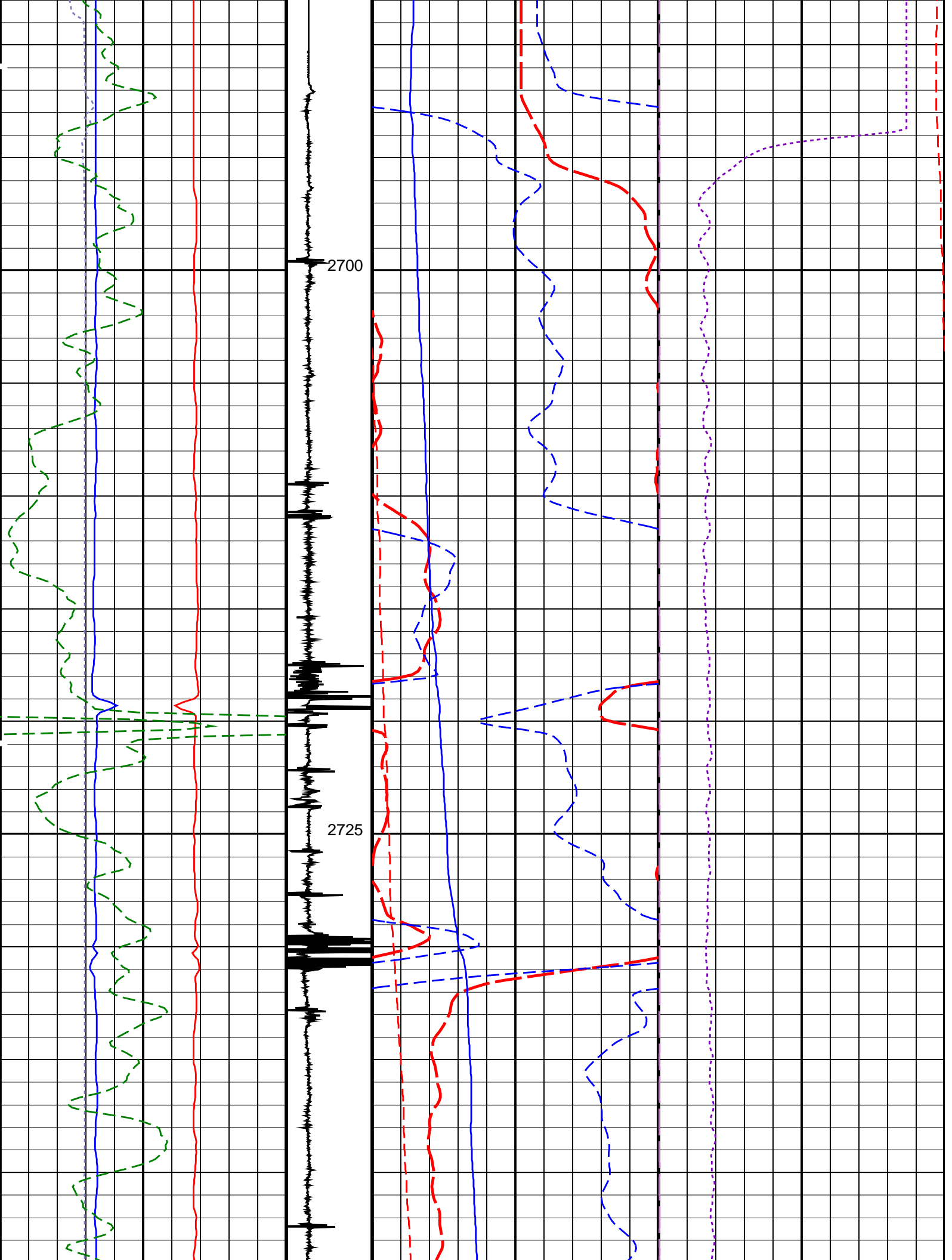
OP System Version: 14C0-302  
MCM

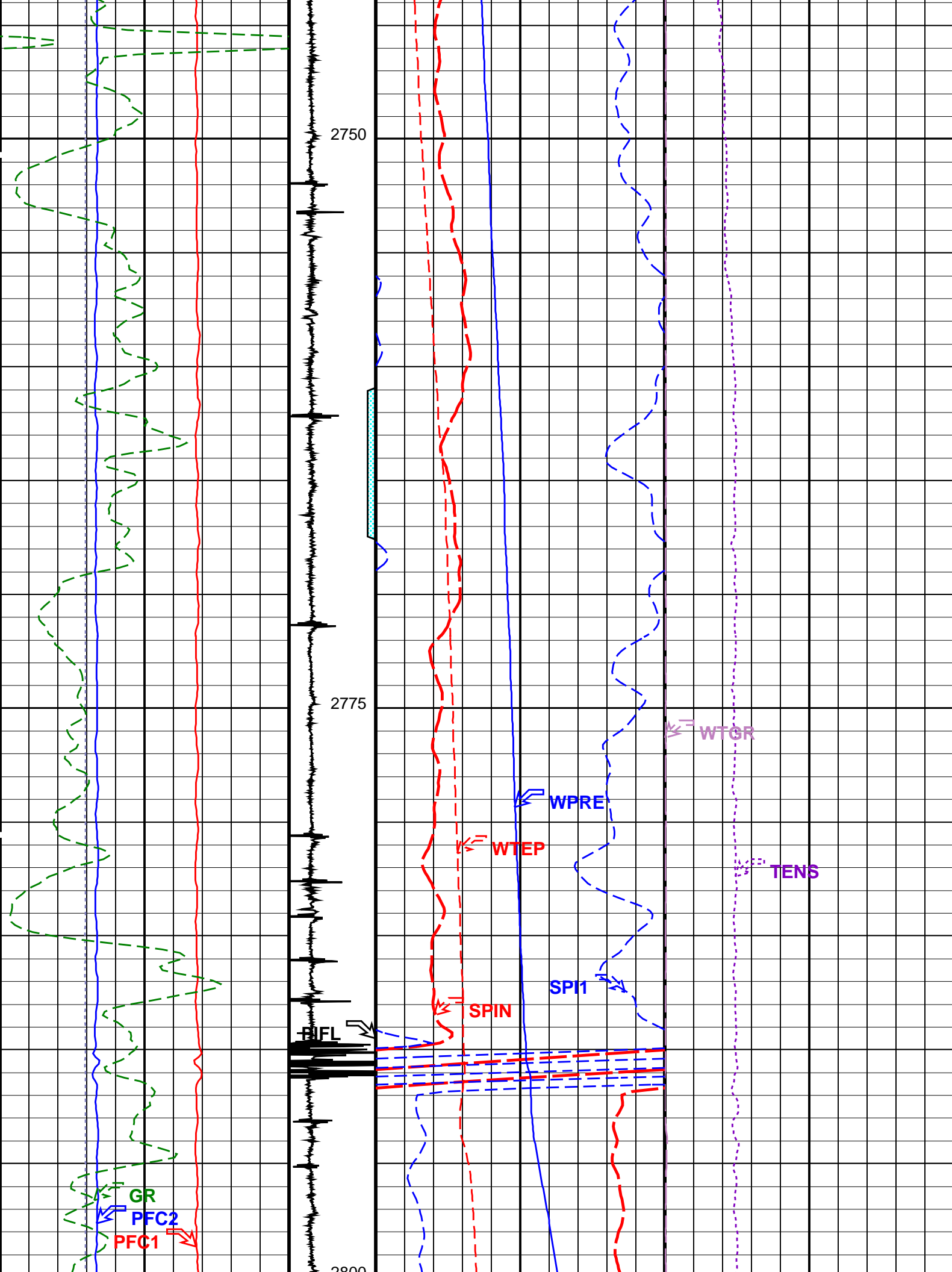
PFCS-A      14C0-302      DEFT-C2      14C0-302  
CFS-X      14C0-302      PSPT-A/B      14C0-302

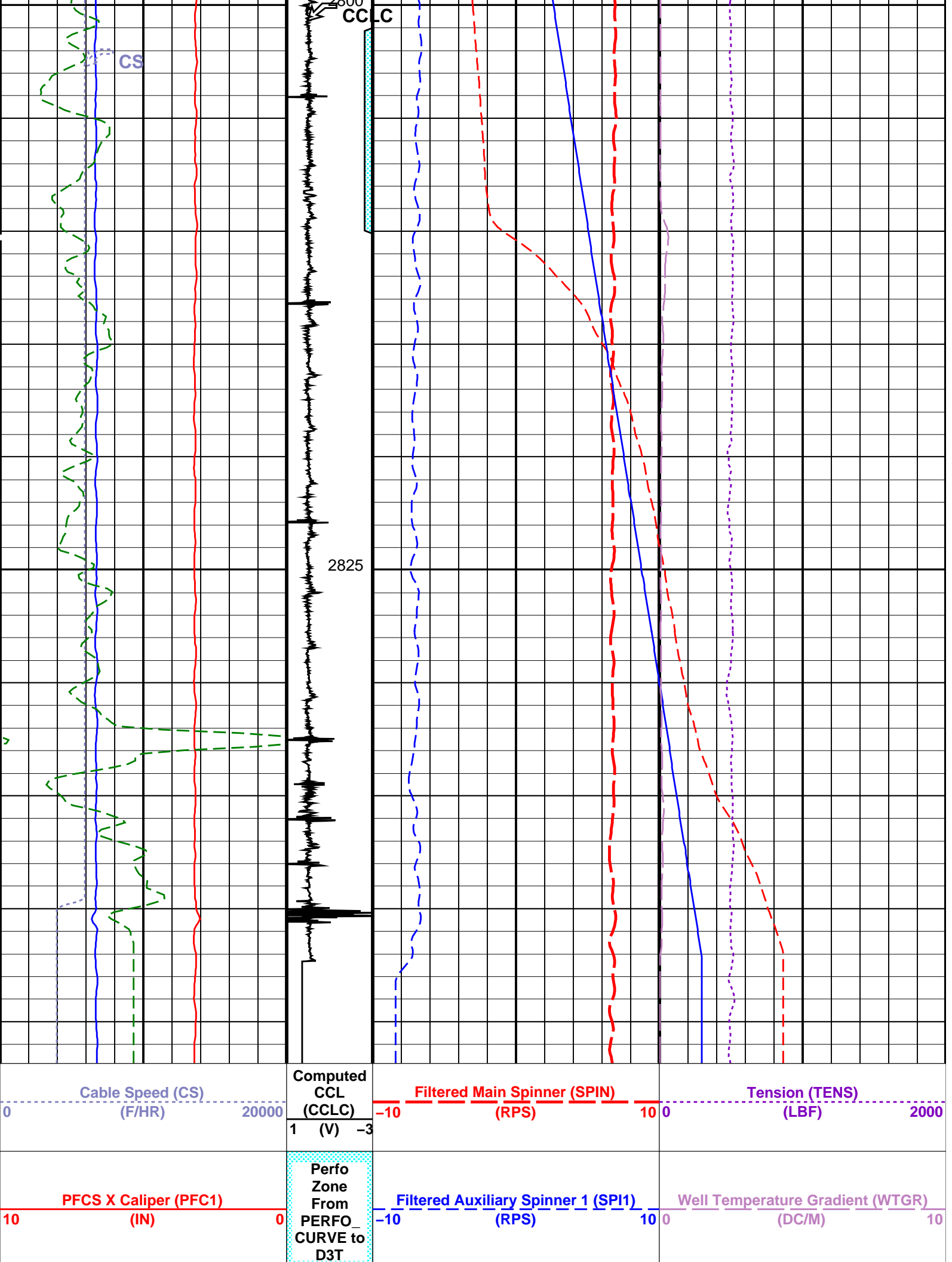
PIP SUMMARY

☒ Time Mark Every 60 S

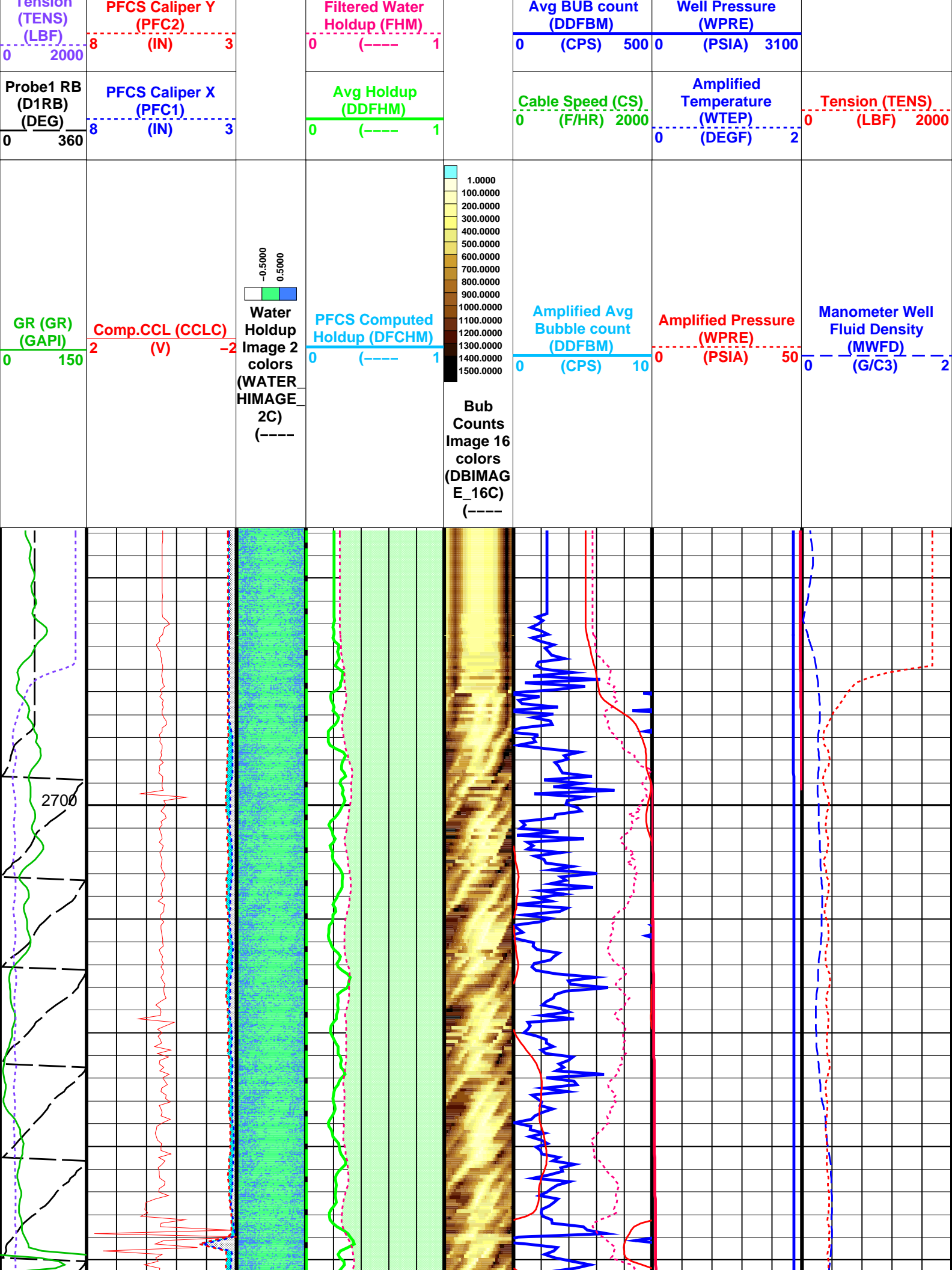
<div> <div>Gamma Ray (GR)</div> <div>(GAPI)</div> <div>0150</div> </div>		<div>Well Pressure (WPRE)</div> <div>29003100</div> <div>(PSIA)</div>	
		<div>Well Temperature (WTEP)</div> <div>240246</div> <div>(DEGF)</div>	
<div>PFCS Y Caliper (PFC2)</div> <div>(IN)</div> <div>010</div>	<div>Perfo Zone From PERFO CURVE to D3T</div>	<div>Filtered Auxiliary Spinner 1 (SPI1)</div> <div>(RPS)</div> <div>-1010</div>	<div>Well Temperature Gradient (WTGR)</div> <div>(DC/M)</div> <div>010</div>
<div>PFCS X Caliper (PFC1)</div> <div>(IN)</div> <div>100</div>		<div>Filtered Main Spinner (SPIN)</div> <div>(RPS)</div> <div>-1010</div>	<div>Tension (TENS)</div> <div>(LBF)</div> <div>02000</div>
<div>Cable Speed (CS)</div> <div>(F/HR)</div> <div>020000</div>	<div>Computed CCL (CCLC)</div> <div>(V)</div> <div>1-3</div>		

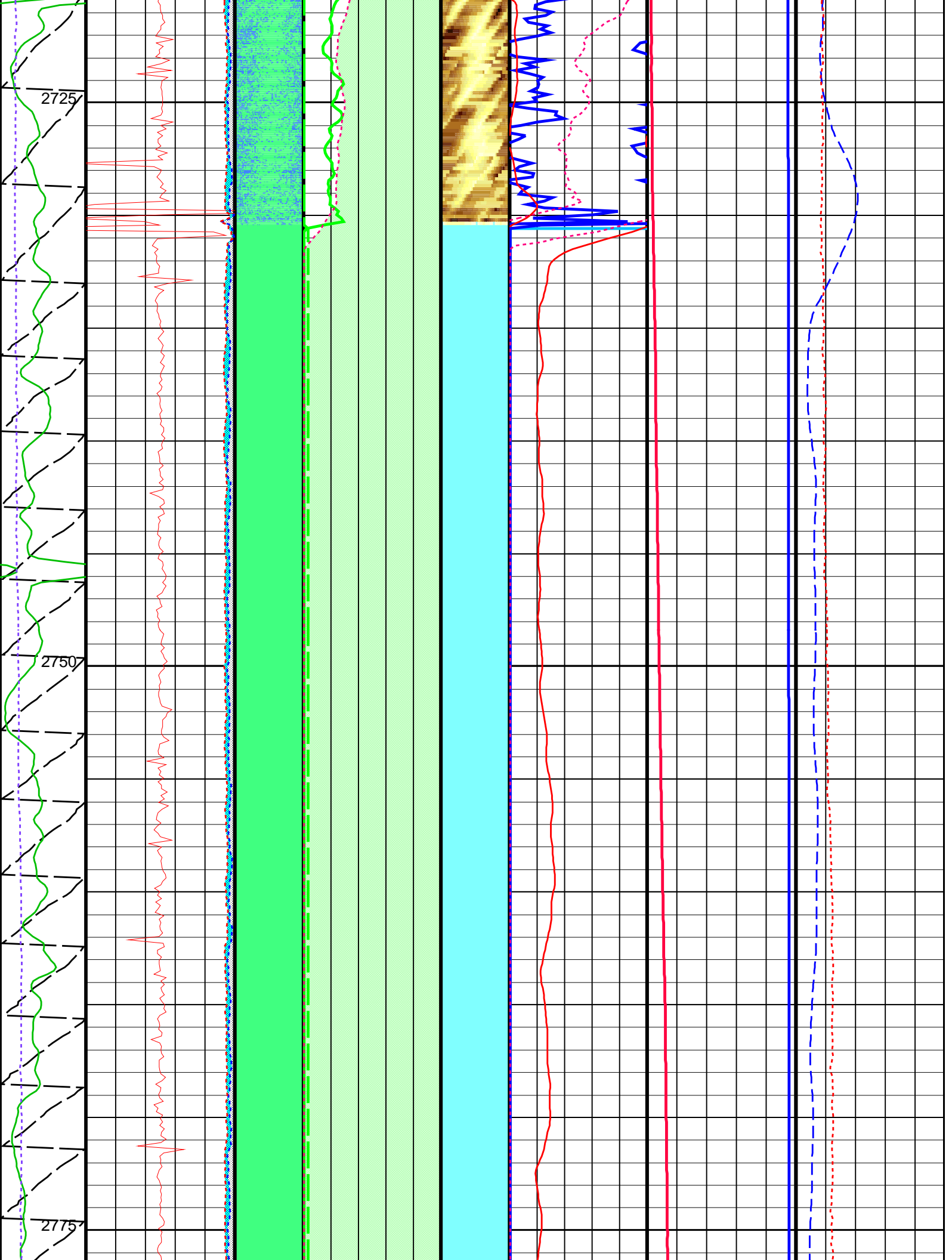




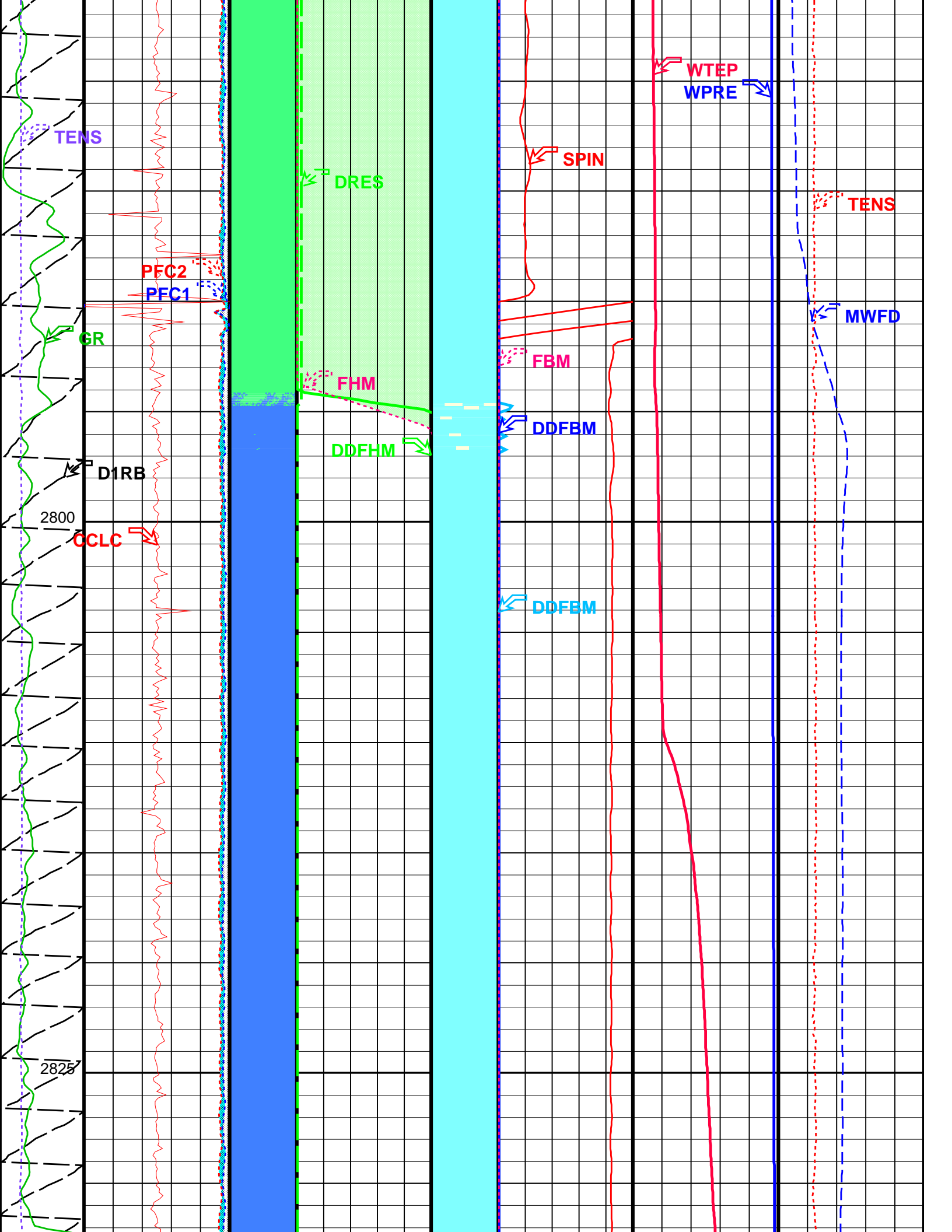


PFCS Y Caliper (PFC2)			Well Temperature (WTEP)				
0	(IN)		10	240		(DEGF)	246
Gamma Ray (GR)			Well Pressure (WPRE)				
0	(GAPI)	150	2900		(PSIA)	3100	
PIP SUMMARY							
Time Mark Every 60 S							
Format: PSP_1    Vertical Scale: 1:200			Graphics File Created: 12-May-2006 16:24				
OP System Version: 14C0-302							
MCM							
PFCS-A	14C0-302		DEFT-C2	14C0-302			
CFS-X	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	CFS-X				
SPIN		Main Spinner Flowmeter Sonde	PFCS-A_TURB				
CFS-X: PSP Continous Flowmeter Sonde type X							
AMOD		Spinner Filter Averaging Mode	LINEAR_AVERAGE				
SDCF		Spinner Depth Constant Filter	6				
SPI1		Auxiliary Spinner 1 Flowmeter Sonde	CFS-X				
SPIN		Main Spinner Flowmeter Sonde	PFCS-A_TURB				
System and Miscellaneous							
DO		Depth Offset for Playback	-4.0 M				
PP		Playback Processing	RECOMPUTE				
Input DLIS Files							
DEFAULT	Flip_FCS_DEFT_CFS_027LUP	PRODUCER	12-May-2006 15:42	2850.8 M		2691.2 M	
Output DLIS Files							
DEFAULT	FCS_DEFT_CFS_PSP_034PUP	FN:30	PRODUCER	12-May-2006 16:24			
Input DLIS Files							
DEFAULT	Flip_FCS_DEFT_CFS_027LUP	PRODUCER	12-May-2006 15:42	2850.8 M		2691.2 M	
Output DLIS Files							
DEFAULT	FCS_DEFT_CFS_PSP_034PUP	FN:30	PRODUCER	12-May-2006 16:24	2846.8 M	2687.7 M	
OP System Version: 14C0-302							
MCM							
PFCS-A	14C0-302		DEFT-C2	14C0-302			
CFS-X	14C0-302		PSPT-A/B	14C0-302			
Tension	Pipe Ovalisation Between PFC1 and PFC2		PFCS Spinner (SPIN)		Well Temperature (WTEP)		
	Well Diameter From PFC2 to PFC2_T1		-10 (RPS)	10	240 (DEGF)	246	
	Well Diameter From PFC1 to PFC2_T1		PFCS Fluid Resistivity (DRES)	Filtered Bubble Count (FBM)			
			0 (OHMM)	360	0 (CPS)	500	

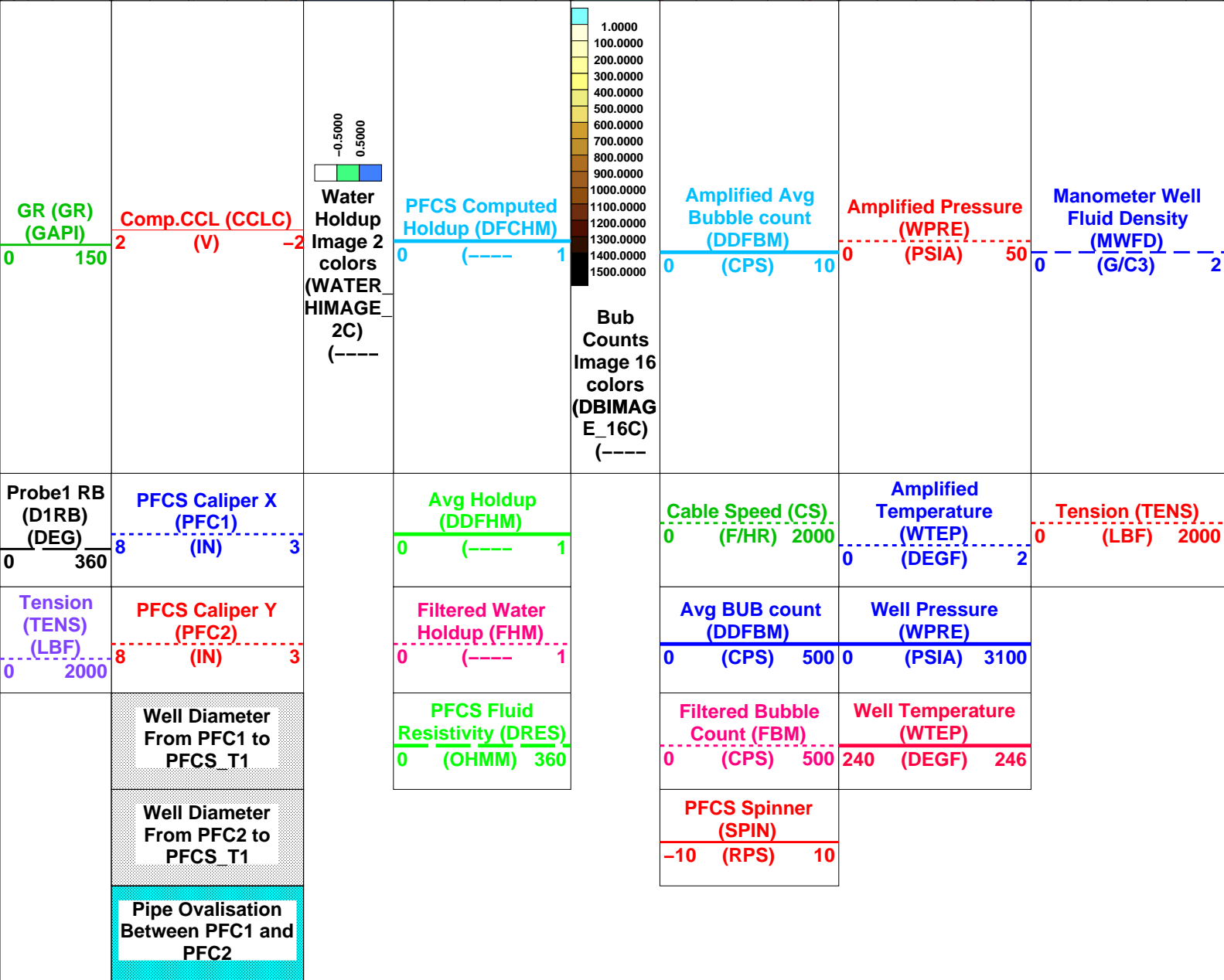
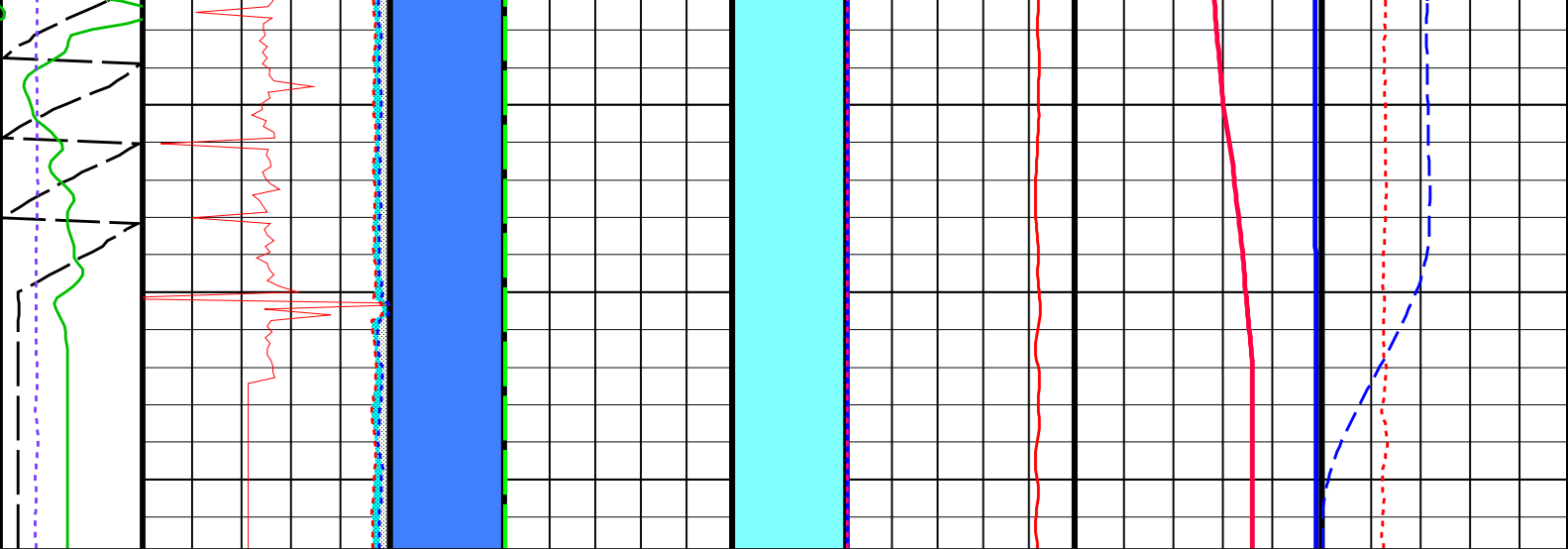












Format: PFCS\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 12-May-2006 16:24

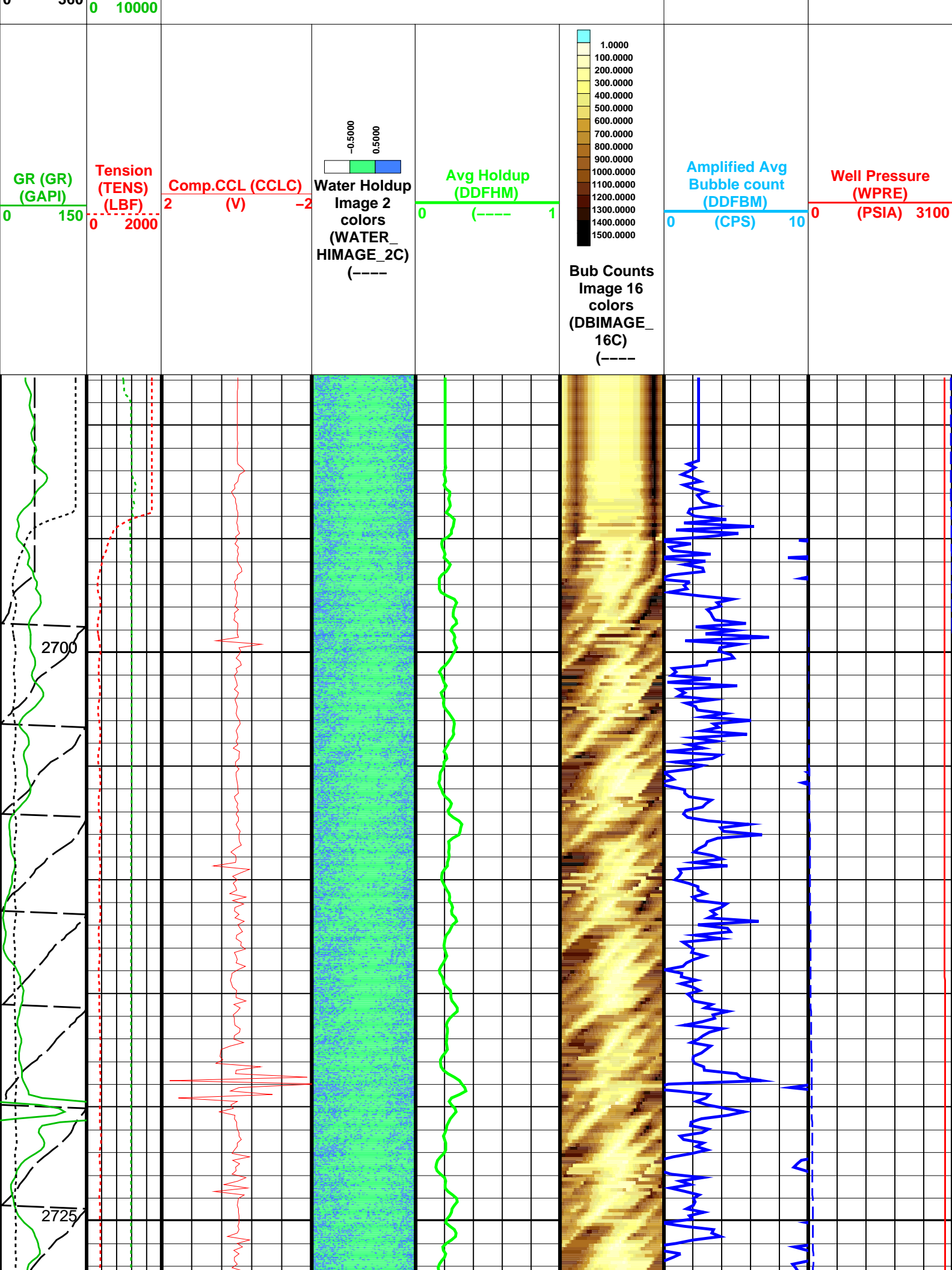
DLIS Name	Description	Value			
PFCS-A: PSP Flow and caliper Tool					
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE			
CSID	Casing Size I.D.	3.5	IN		
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB			
DDRS	Dual DEFT RB Source	D1RB			
DFBD	DEFT Blank Disallowed Probes	NO			
DFFI	DEFT Flip Image	NO			
DFII	DEFT Image Interpolation	YES			
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE			
DFPP	Probes Arm Position	C			
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG		
PFGC	PFCS Geometrical coefficient	1200			
PFRE1	Downhole Resistor Probe 1	3000	OHMS		
PFRE2	Downhole Resistor Probe 2	3000	OHMS		
PFRE3	Downhole Resistor Probe 3	3000	OHMS		
PFRE4	Downhole Resistor Probe 4	3000	OHMS		
SDCF	Spinner Depth Constant Filter	6			
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB			
DEFT-C2: DEFT_C Tool					
CSID	Casing Size I.D.	3.5	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)	D			
PFGC	PFCS Geometrical coefficient	1200			
CFS-X: PSP Continous Flowmeter Sonde type X					
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE			
SDCF	Spinner Depth Constant Filter	6			
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB			
PSPT-A/B: Production Services Logging Platform					
CSID	Casing Size I.D.	3.5	IN		
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG		
BORDYN: BorDyn (Well Test Validation)					
CSID	Casing Size I.D.	3.5	IN		
System and Miscellaneous					
CSIZ	Current Casing Size	3.500	IN		
DO	Depth Offset for Playback	-4.0	M		
PP	Playback Processing	RECOMPUTE			

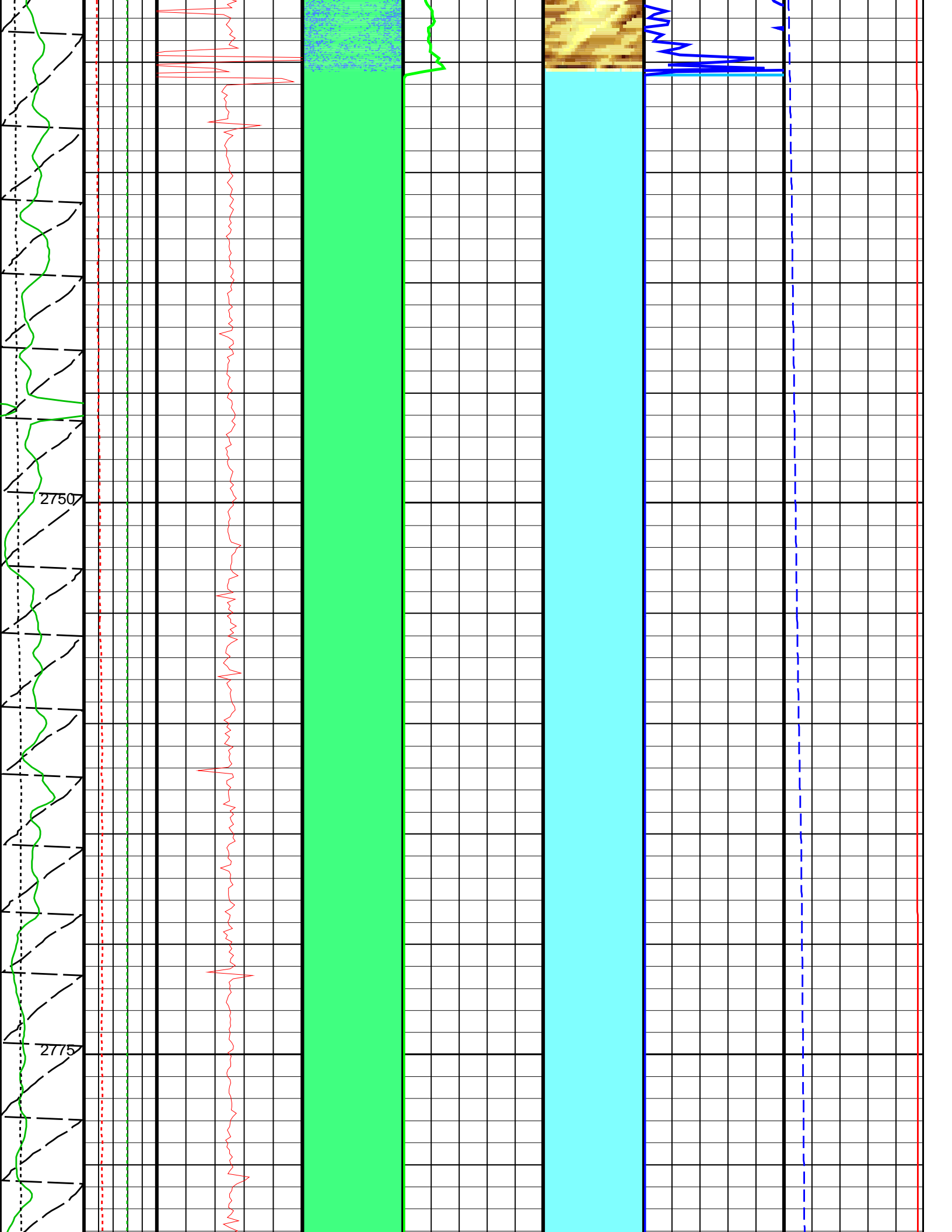
Input DLIS Files						
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Output DLIS Files						
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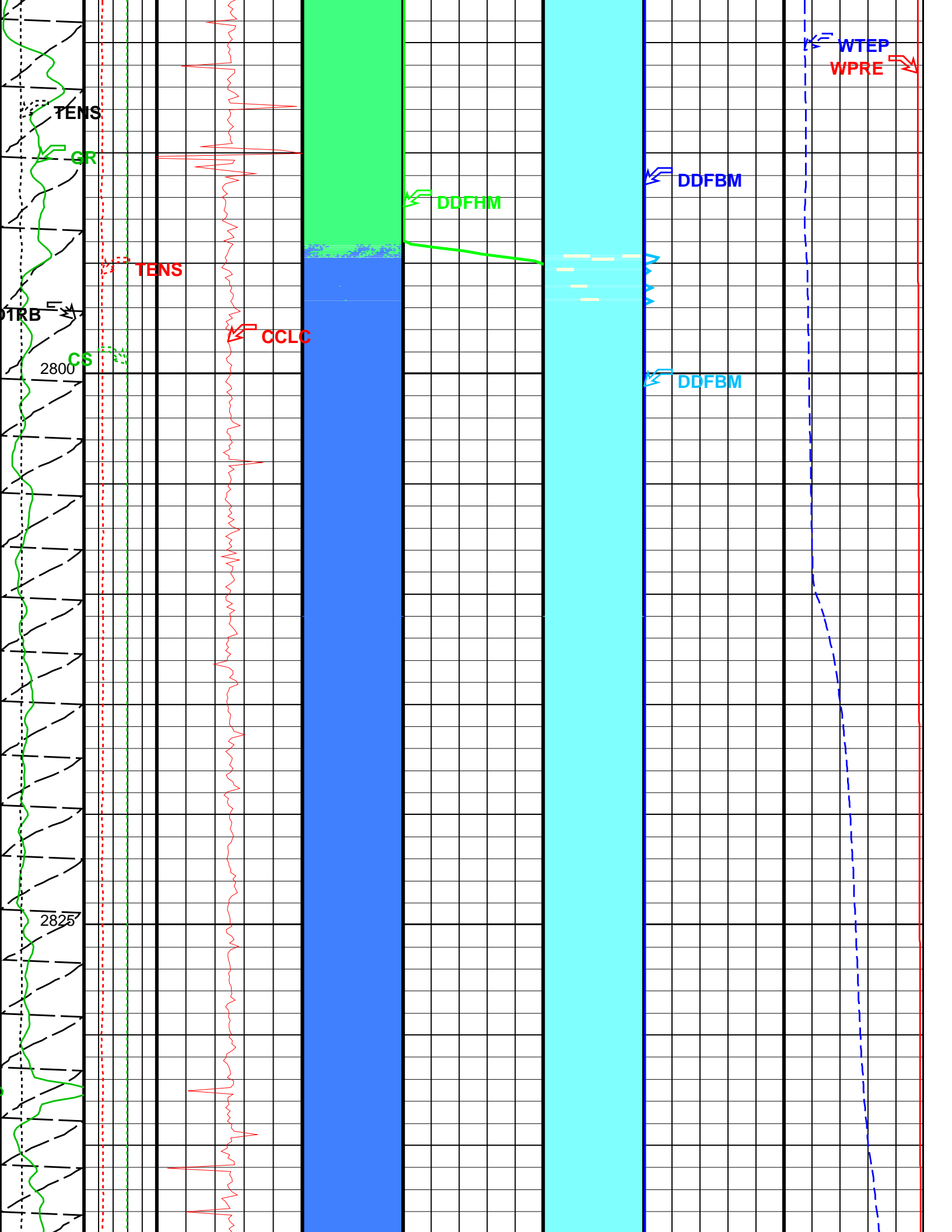
Input DLIS Files						
DEFAULT	Flip_FCS_DEFT_CFS_027LUP	PRODUCER	12-May-2006 15:42	2850.8 M	2691.2 M	
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_034PUP	FN:30	PRODUCER	12-May-2006 16:24	2846.8 M	2687.7 M

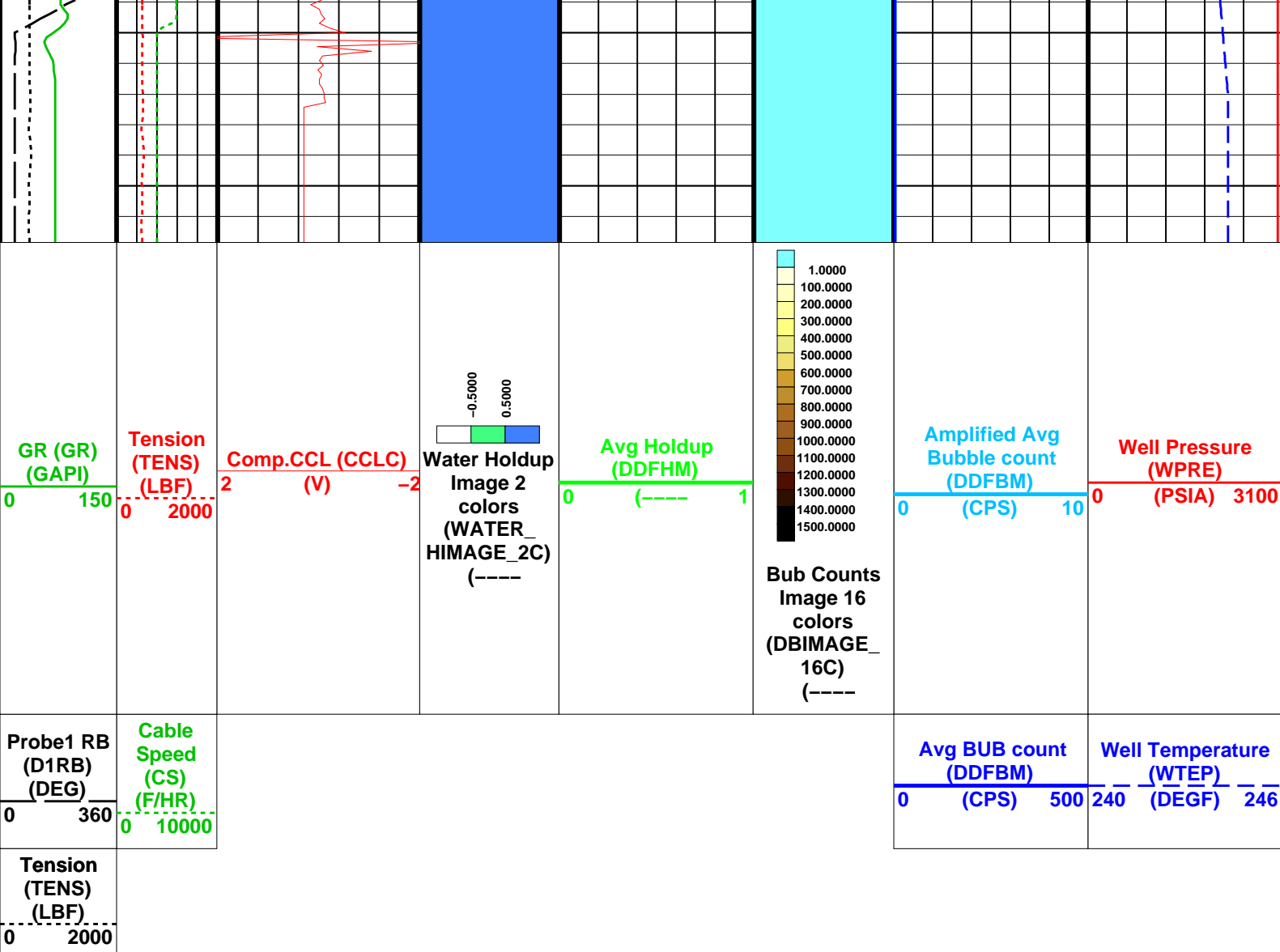
OP System Version: 14C0-302						
MCM						
PFCS-A	14C0-302	DEFT-C2	14C0-302			
CFS-X	14C0-302	PSPT-A/B	14C0-302			

Tension (TENS) (LBF)					
0 2000					
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)				
0 360		Avg BUB count (DDFBM)	Well Temperature (WTEP)		
		0 (CPS) 500	240 (DEGF) 246		









Format: DEFT\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 12-May-2006 16:24

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
-----------	-------------	-------

PFCS-A: PSP Flow and caliper Tool

CSID	Casing Size I.D.	3.5 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C

DEFT-C2: DEFT\_C Tool

CSID	Casing Size I.D.	3.5 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

PSPT-A/B: Production Services Logging Platform


CSID	Casing Size I.D.	3.5 IN
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BORDYN: BorDyn (Well Test Validation)

CSID	Casing Size I.D.	3.5 IN
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System and Miscellaneous

Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_CFS_027LUP	PRODUCER	12-May-2006 15:42	2850.8 M	2691.2 M
Output DLIS Files					
DEFAULT	FCS_DEFT_CFS_PSP_034PUP	FN:30	PRODUCER	12-May-2006 16:24	



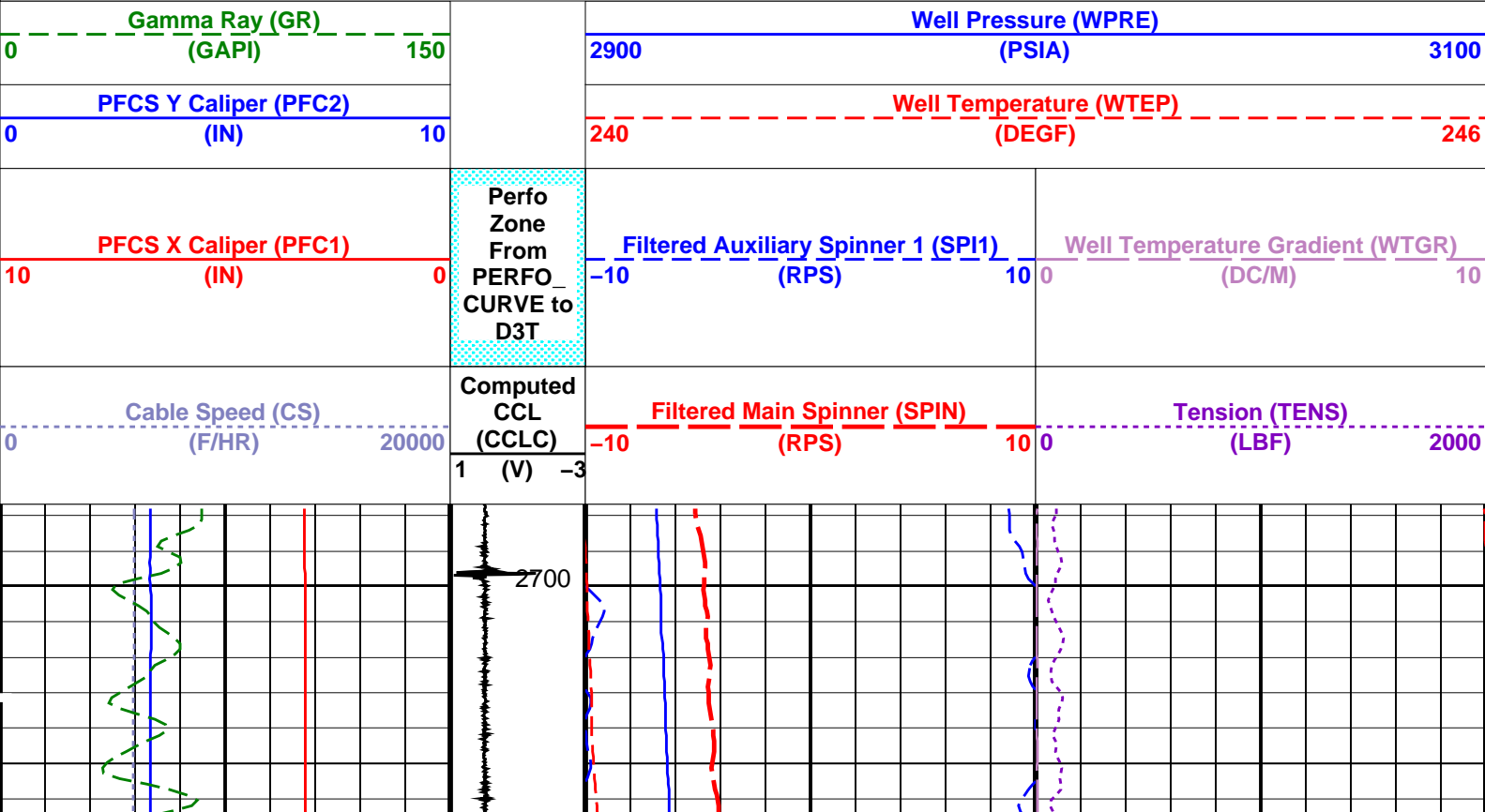
DEFT Up Log at 30m/min  
2850m to 2715m MDKB – Flowing

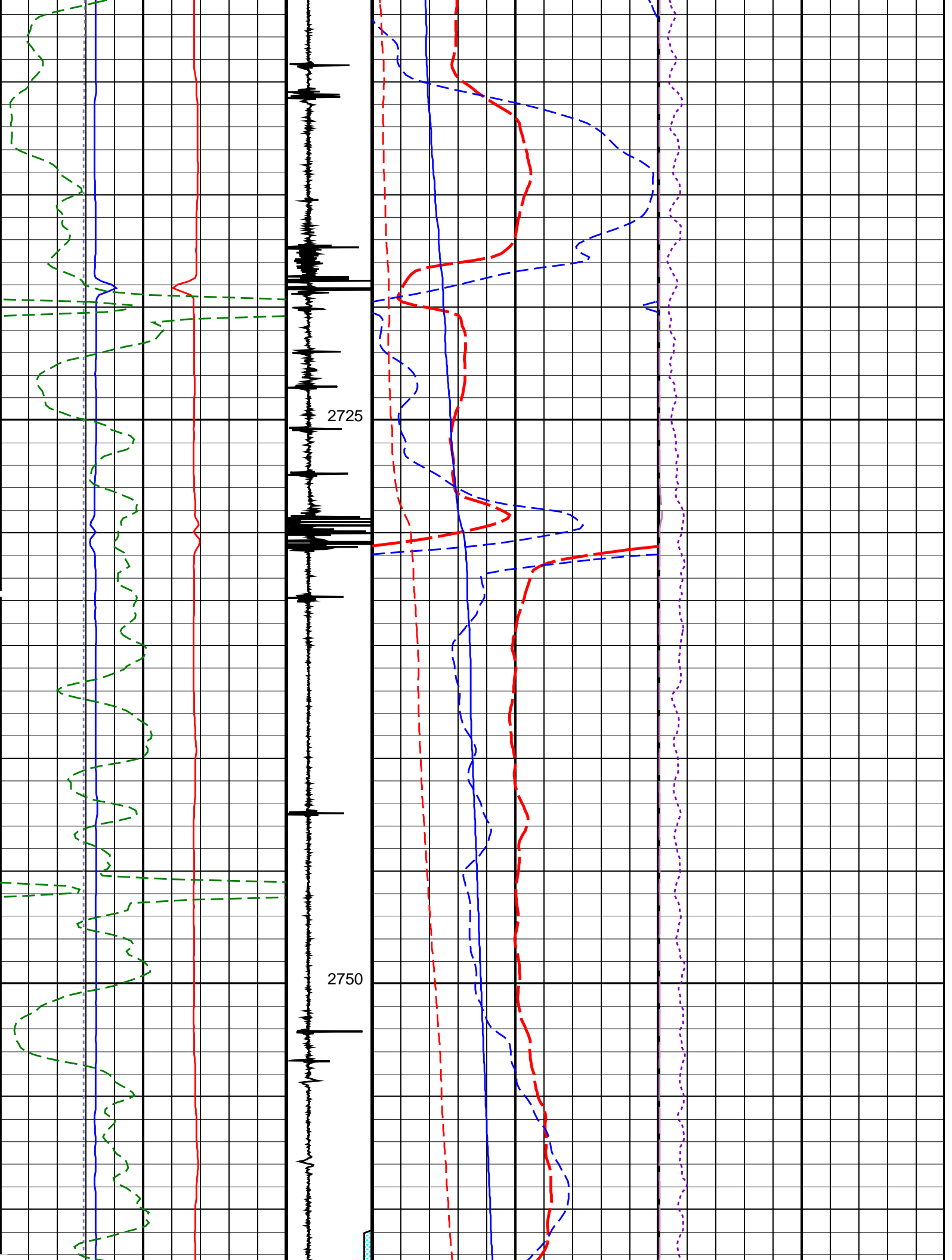
MAXIS Field Log

Input DLIS Files					
DEFAULT	FCS_DEFT_CFS_PSP_017LUP	FN:16	PRODUCER	12-May-2006 08:17	2850.5 M
					2697.9 M
Output DLIS Files					
DEFAULT	FCS_DEFT_CFS_PSP_032PUP	FN:28	PRODUCER	12-May-2006 16:20	2849.7 M
					2697.6 M

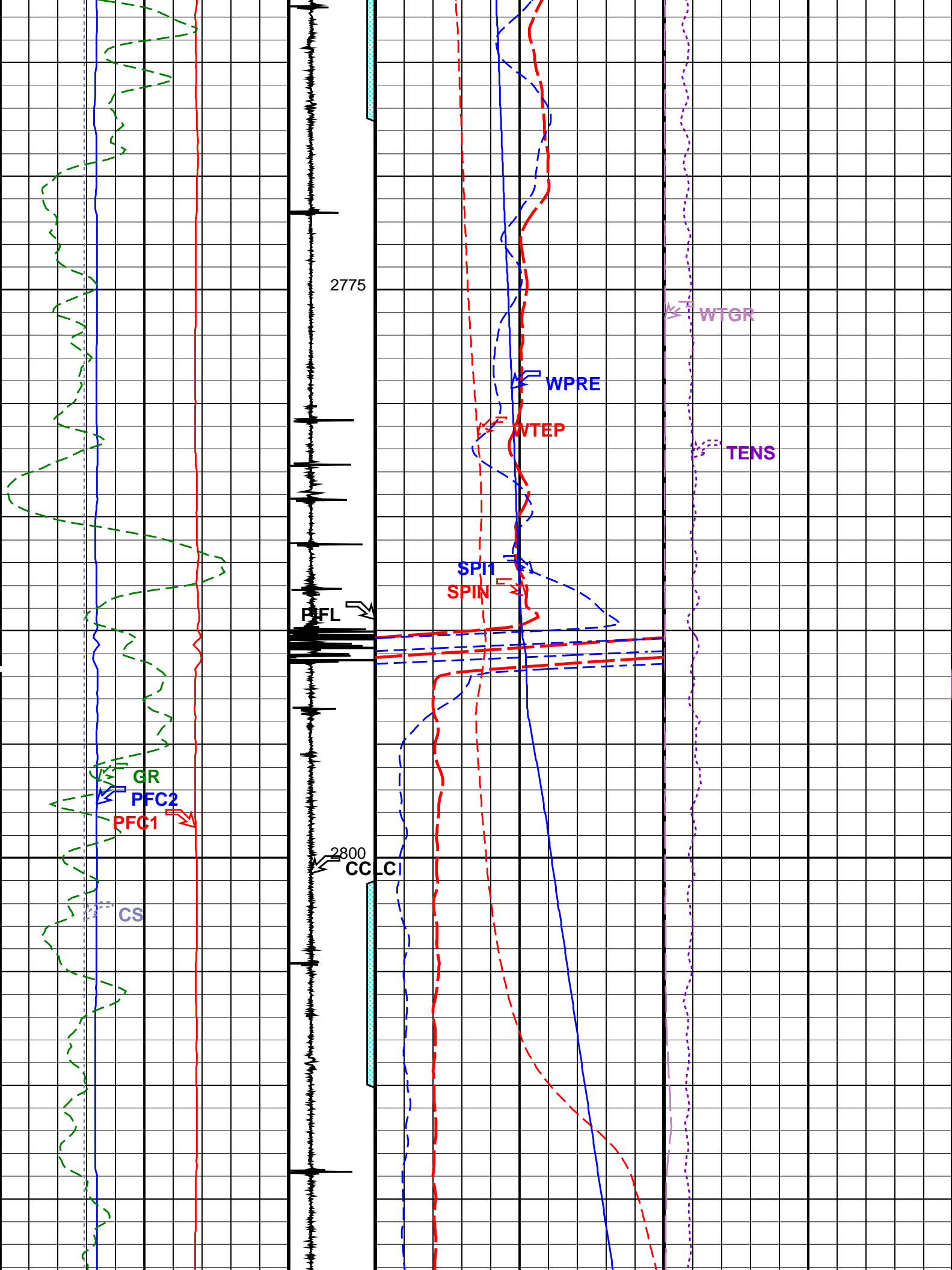
OP System Version: 14C0-302					
MCM					
PFCS-A	14C0-302	DEFT-C2	14C0-302		
CFS-X	14C0-302	PSPT-A/B	14C0-302		

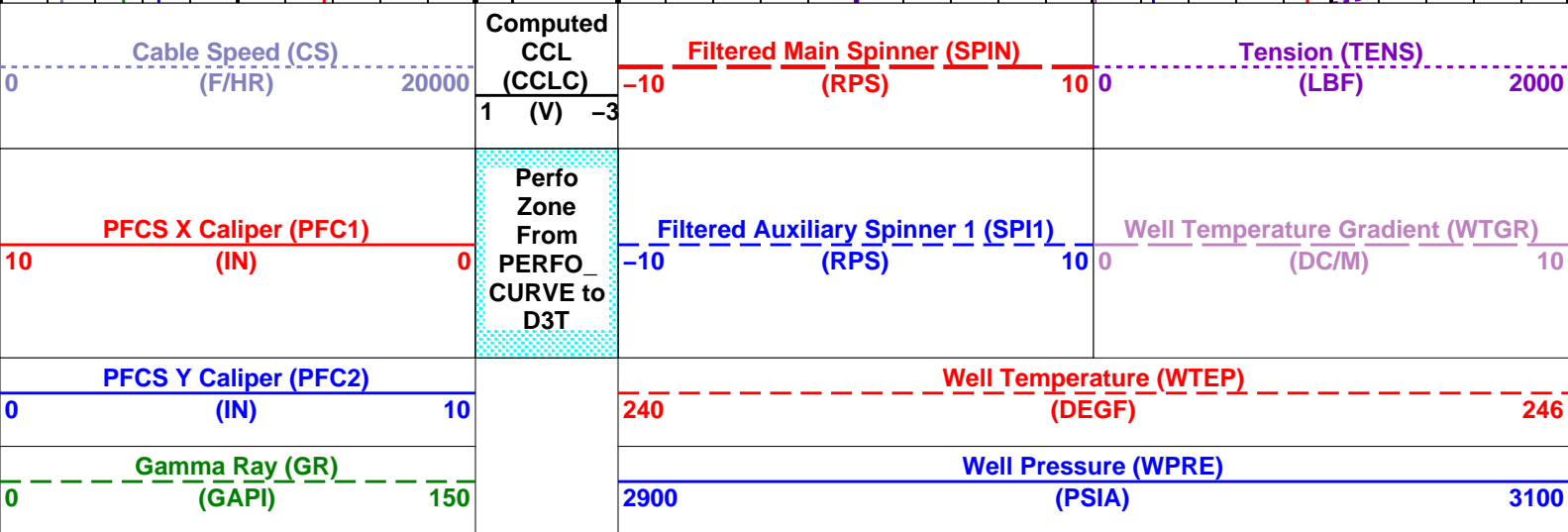
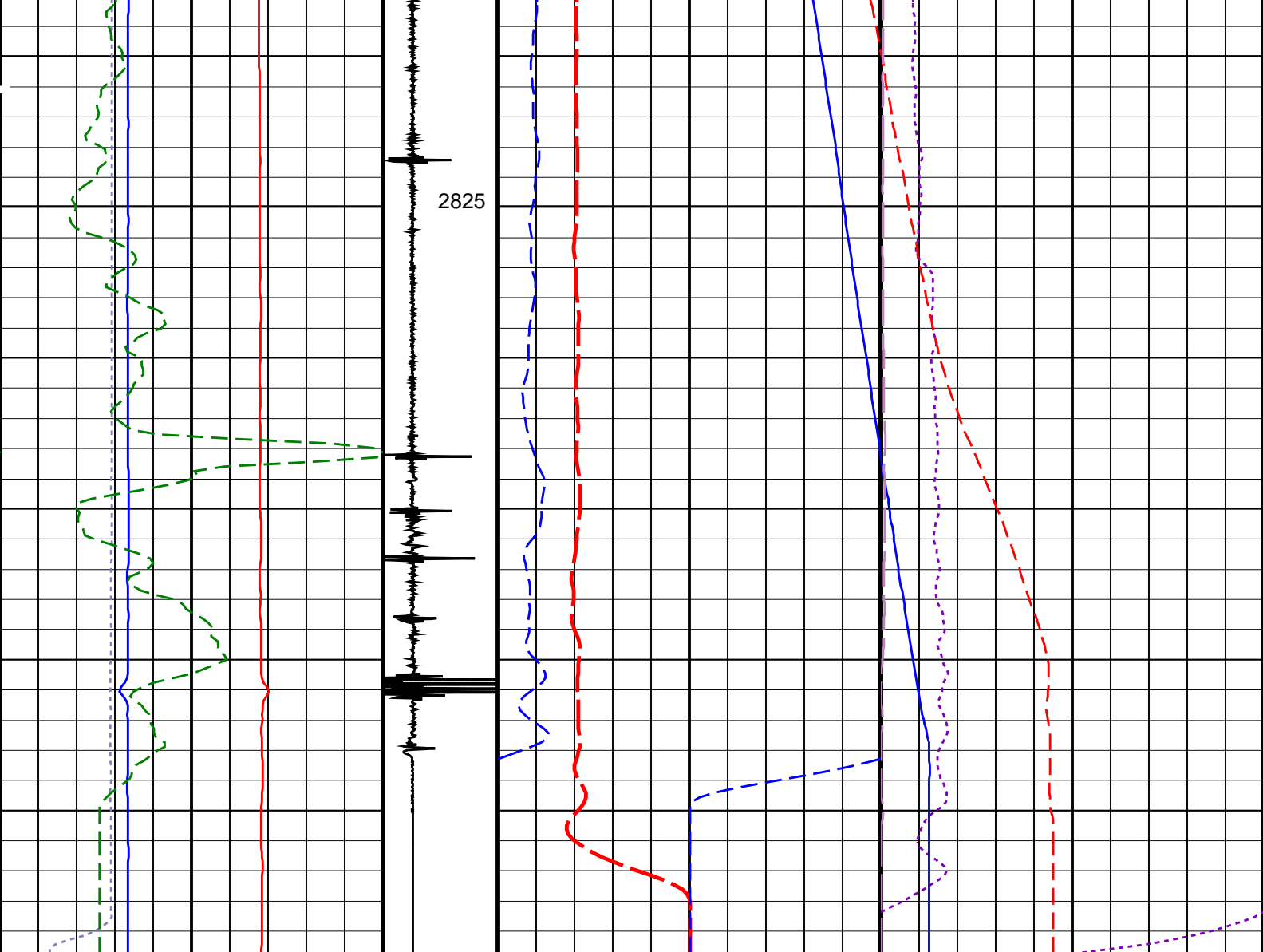
PIP SUMMARY					
<input checked="" type="checkbox"/> Time Mark Every 60 S					











PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 12-May-2006 16:20

OP System Version: 14C0-302  
MCM

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

Parameters

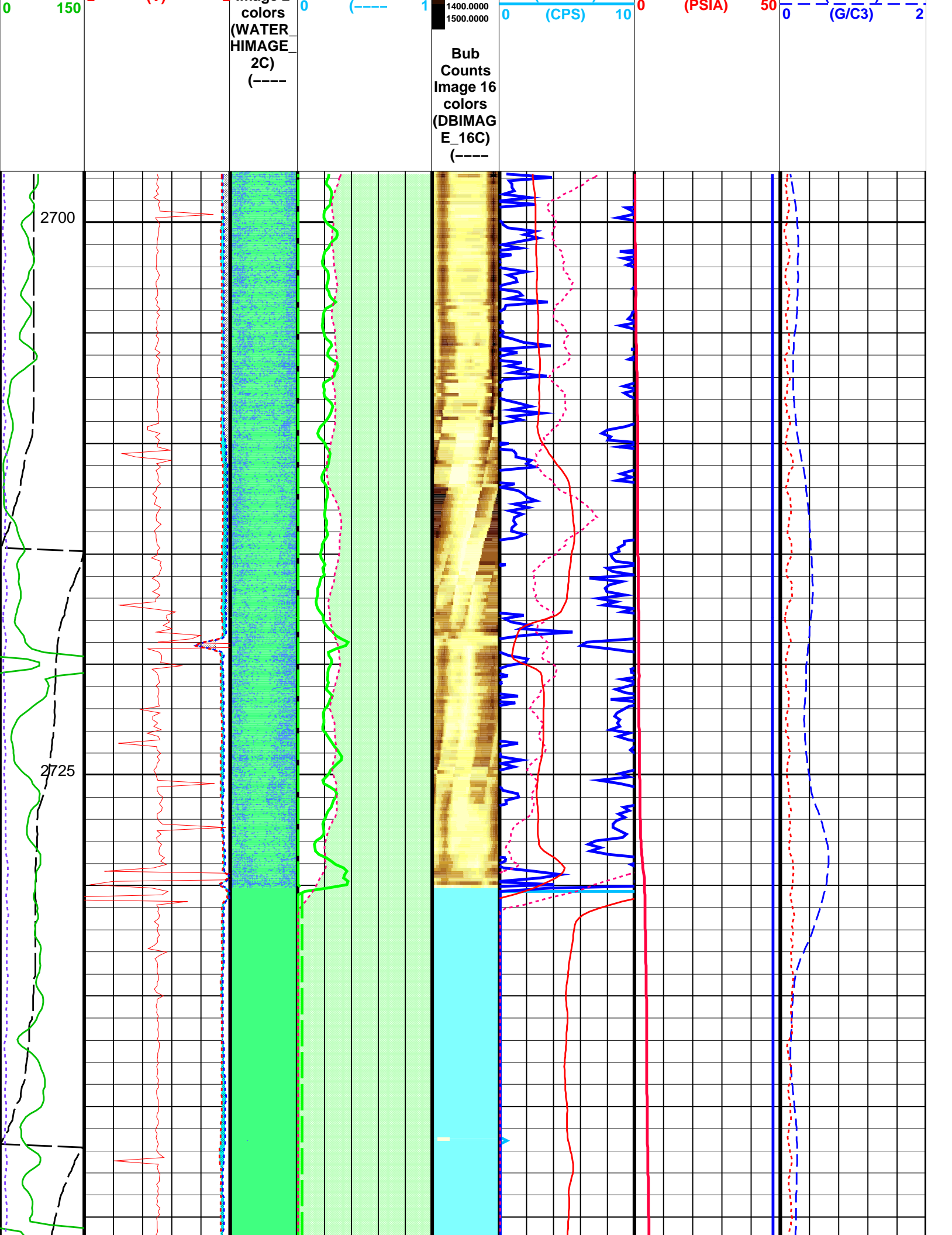
DLIS Name	Description	Value
AMOD SDCF SPI1 SPIN	PFC5-A: PSP Flow and caliper Tool	
	Spinner Filter Averaging Mode	LINEAR_AVERAGE
	Spinner Depth Constant Filter	6
	Auxiliary Spinner 1 Flowmeter Sonde	CFS-X
AMOD SDCF SPI1 SPIN	CFS-X: PSP Continous Flowmeter Sonde type X	
	Spinner Filter Averaging Mode	LINEAR_AVERAGE
	Spinner Depth Constant Filter	6
	Auxiliary Spinner 1 Flowmeter Sonde	CFS-X
DO PP	Main Spinner Flowmeter Sonde	PFC5-A_TURB
	System and Miscellaneous	
	Depth Offset for Playback	-0.8 M
	Playback Processing	RECOMPUTE

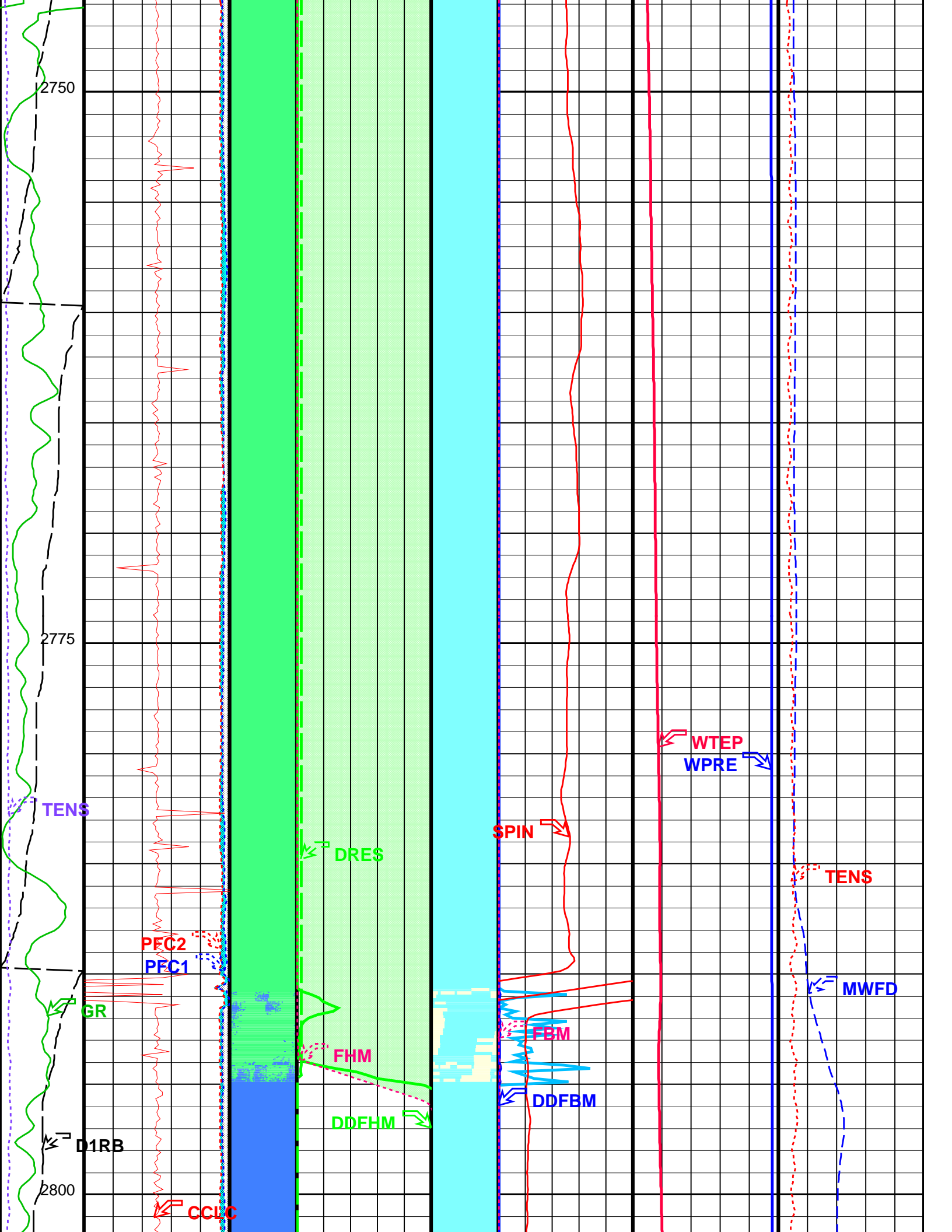
Input DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_017LUP	FN:16	PRODUCER	12-May-2006 08:17	2850.5 M	2697.9 M
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_032PUP	FN:28	PRODUCER	12-May-2006 16:20		

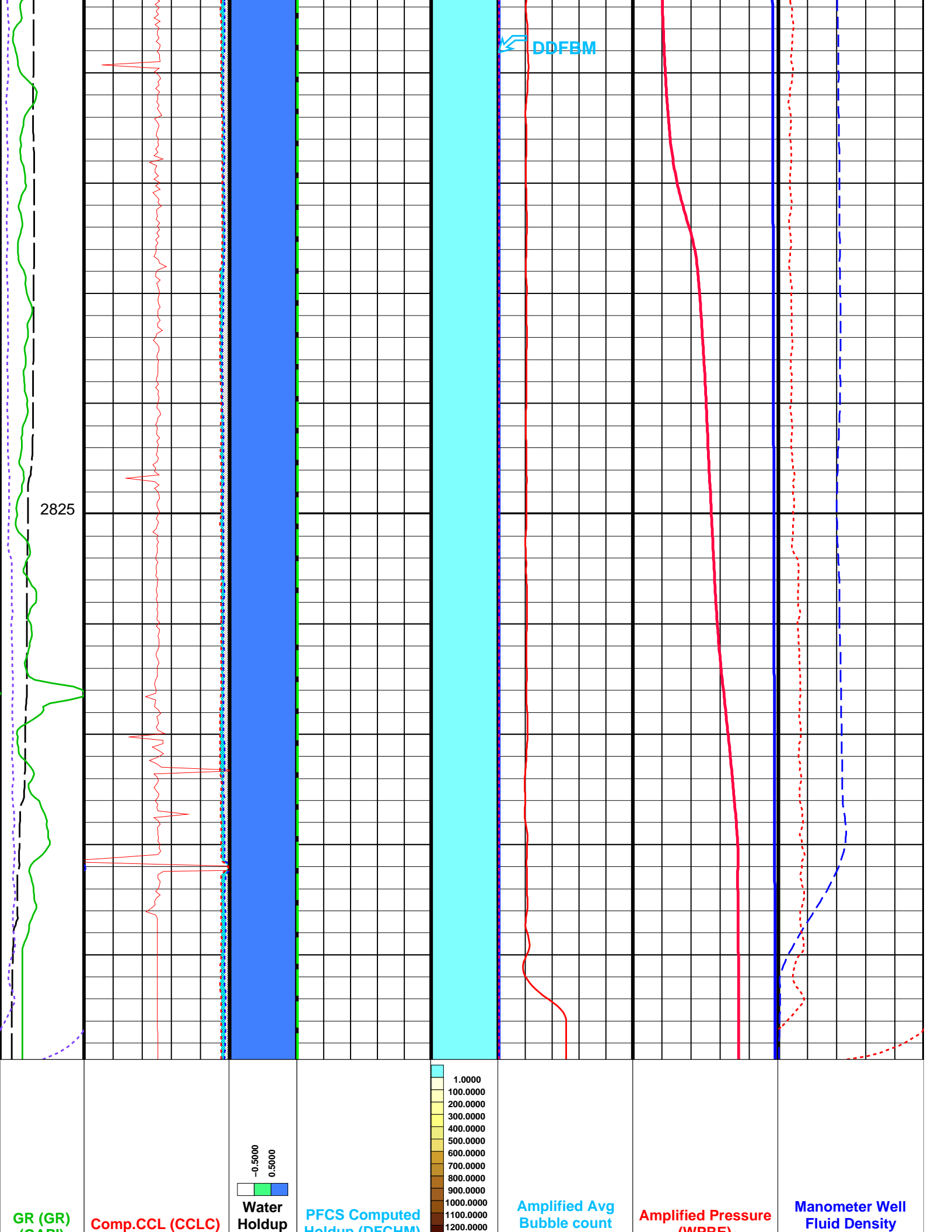
Input DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_017LUP	FN:16	PRODUCER	12-May-2006 08:17	2850.5 M	2697.9 M
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_032PUP	FN:28	PRODUCER	12-May-2006 16:20	2849.7 M	2697.6 M

OP System Version: 14C0-302						
MCM						
PFC5-A	14C0-302		DEFT-C2	14C0-302		
CFS-X	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					
Tension (TENS) (LBF)	PFC5 Caliper Y (PFC2)	Filtered Water Holdup (FHM)	PFC5 Fluid Resistivity (DRES)	PFC5 Spinner (SPIN)	Filtered Bubble Count (FBM)	Well Temperature (WTEP)
0-----2000	8-----3	0-----1	0-----360	-10 (RPS) 10	0 (CPS) 500	240 (DEGF) 246
Probe1 RB (D1RB) (DEG)	PFC5 Caliper X (PFC1)	Avg Holdup (DDFHM)		Avg BUB count (DDFBM)	Well Pressure (WPRE)	
0-----360	8-----3	0-----1		0 (CPS) 500	0 (PSIA) 3100	
				Cable Speed (CS)	Amplified Temperature (WTEP)	Tension (TENS)
				0 (F/HR) 2000	0 (DEGF) 2	0 (LBF) 2000
GR (GR) (GAPI)	Comp.CCL (CCLC)	Water Holdup Image 2	PFC5 Computed Holdup (DFCHM)	Amplified Avg Bubble count (DDFBM)	Amplified Pressure (WPRE)	Manometer Well Fluid Density (MWFD)
2-----2	(V)					







(GAP)	(V)	Image 2 colors (WATER HIMAGE 2C) (----	Holdup (DFCHM) 1300.0000 1400.0000 1500.0000	(DDFBM) 0 (CPS) 10	(WPRE) (PSIA) 50	(MWFD) (G/C3) 2
Probe1 RB (D1RB) (DEG) 0 360	PFC1 Caliper X (PFC1) (IN) 8 3		Avg Holdup (DDFHM) 0 (----) 1	Cable Speed (CS) (F/HR) 0 2000	Amplified Temperature (WTEP) (DEGF) 0 2	Tension (TENS) (LBF) 0 2000
Tension (TENS) (LBF) 0 2000	PFC2 Caliper Y (PFC2) (IN) 8 3		Filtered Water Holdup (FHM) 0 (----) 1	Avg BUB count (DDFBM) (CPS) 0 500	Well Pressure (WPRES) (PSIA) 0 3100	
	Well Diameter From PFC1 to PFC2_T1		PFC3 Fluid Resistivity (DRES) (OHMM) 0 360	Filtered Bubble Count (FBM) (CPS) 0 500	Well Temperature (WTEP) (DEGF) 240 246	
	Well Diameter From PFC2 to PFC2_T1			PFC3 Spinner (SPIN) (RPS) -10 10		
	Pipe Ovalisation Between PFC1 and PFC2					

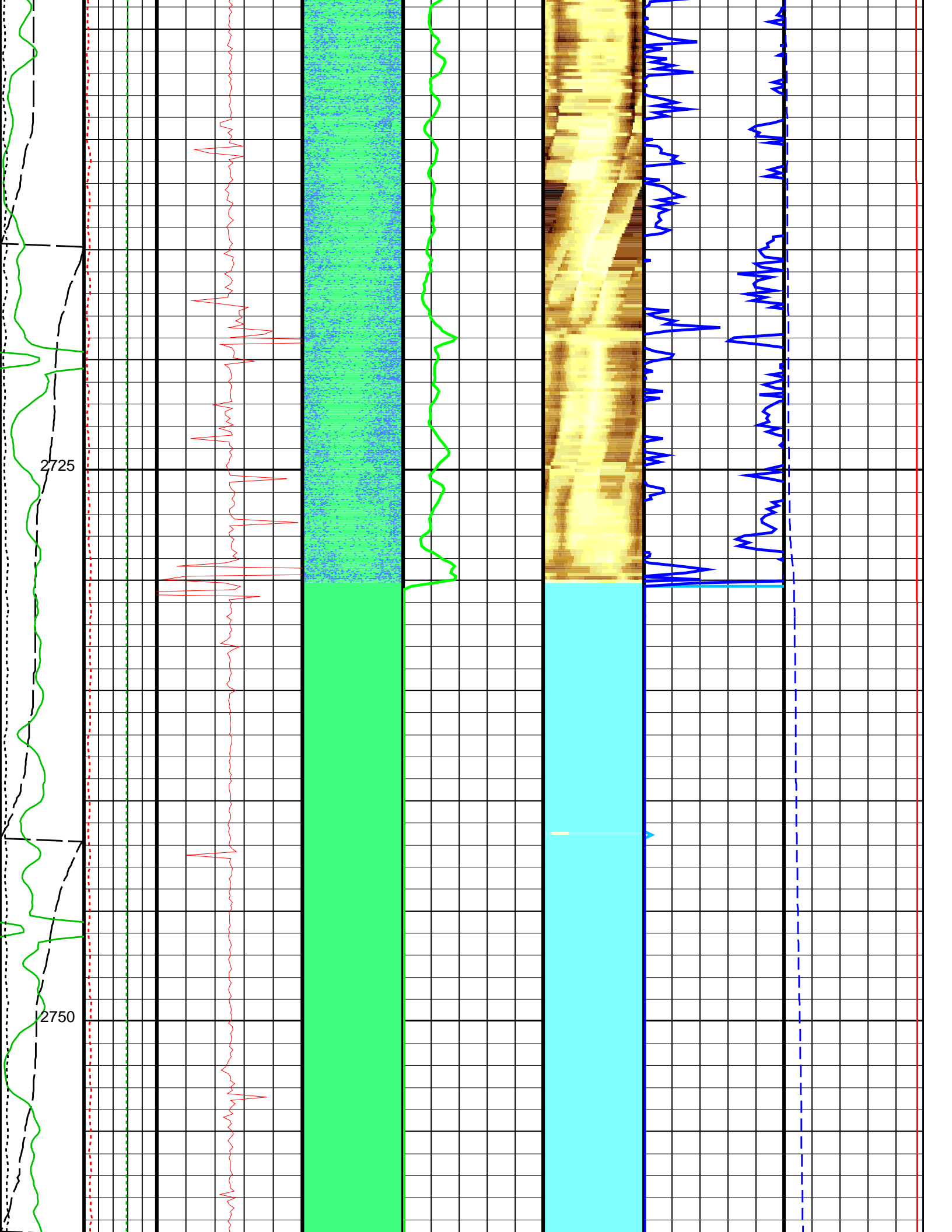
Format: PFCS_Image_DL		Vertical Scale: 1:200		Graphics File Created: 12-May-2006 16:20	
OP System Version: 14C0-302					
MCM					
PFCS-A	14C0-302	DEFT-C2	14C0-302		
CFS-X	14C0-302	PSPT-A/B	14C0-302		

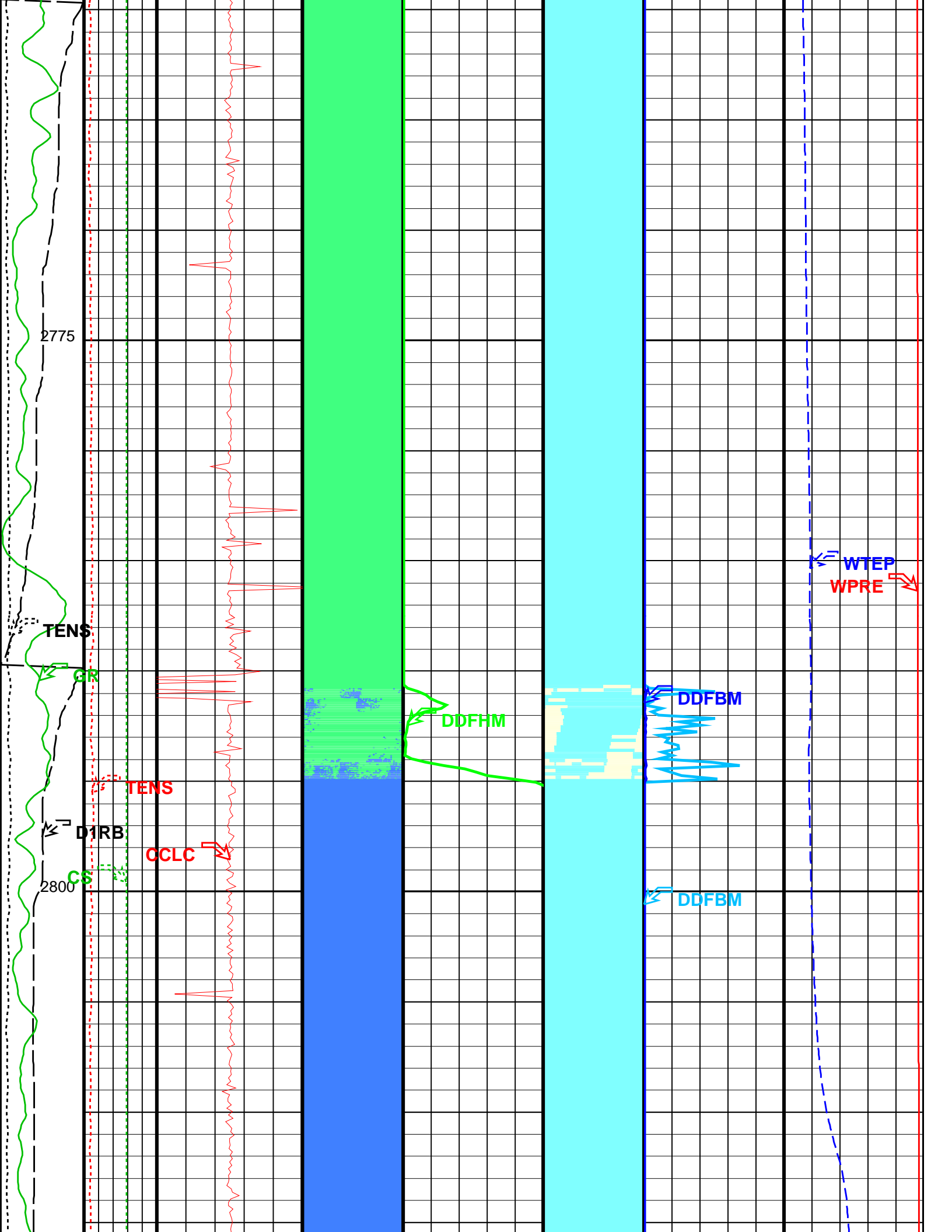
Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	3.5	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	3.5	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)	D	
PFGC	PFCS Geometrical coefficient	1200	
CFS-X: PSP Continous Flowmeter Sonde type X			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	

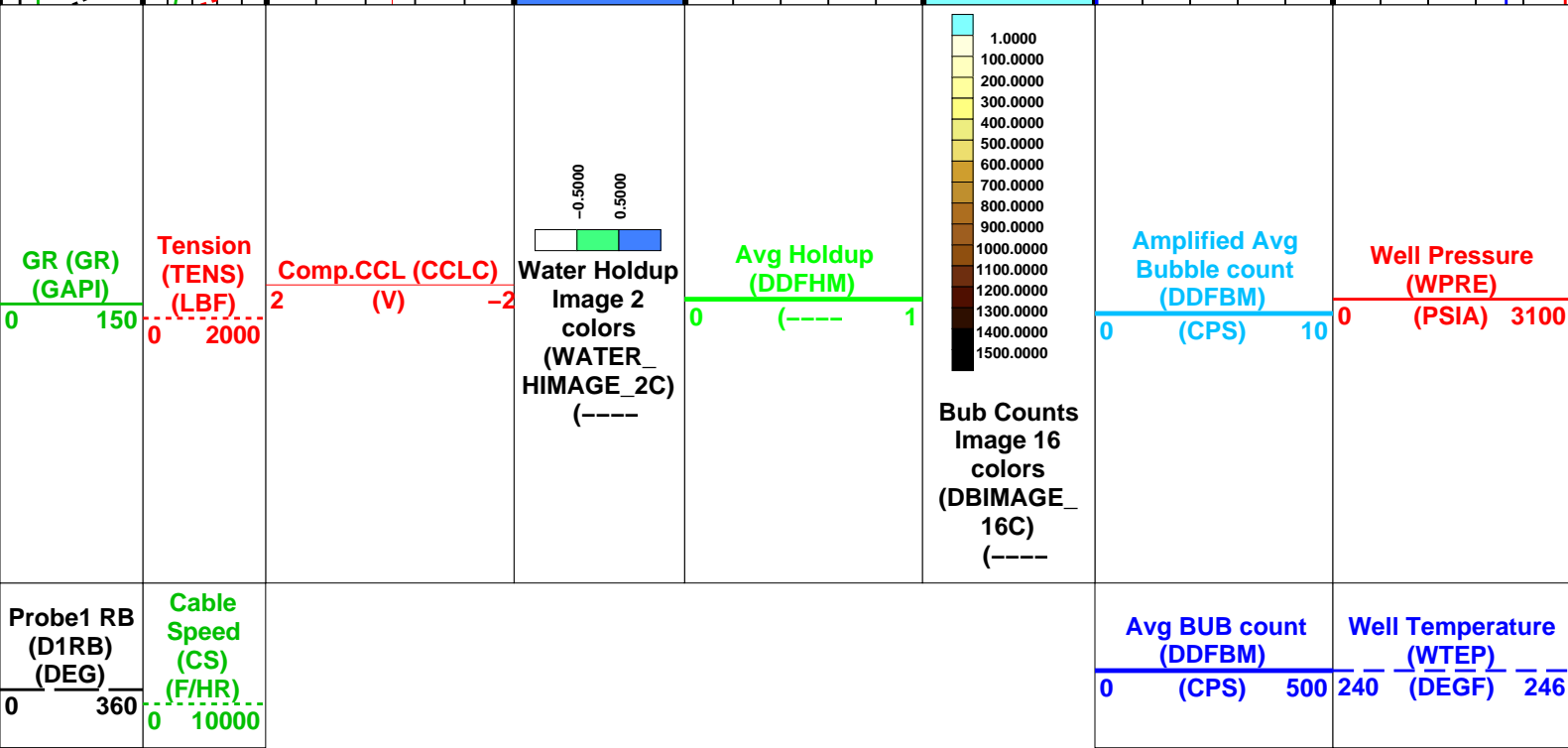












OP System Version: 14C0-302  
MCM

PFCS-A14C0-302DEFT-C214C0-302  
CFS-X14C0-302PSPT-A/B14C0-302

Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
CSID	Casing Size I.D.	3.5 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	3.5 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
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	3.5 IN
CSID	BORDYN: BorDyn (Well Test Validation)	
	Casing Size I.D.	3.5 IN
System and Miscellaneous		
DO	Depth Offset for Playback	-0.8 M
PP	Playback Processing	RECOMPUTE

Input DLIS Files

DEFAULTFCS\_DEFT\_CFS\_PSP\_017LUPFN:16PRODUCER12-May-2006 08:172850.5 M2697.9 M

Output DLIS Files

DEFAULTFCS\_DEFT\_CFS\_PSP\_032PUPFN:28PRODUCER12-May-2006 16:20



PFCS Down Log at 20m/min  
2850m to 2715m MDKB – Flowing

MAXIS Field Log

Input DLIS Files

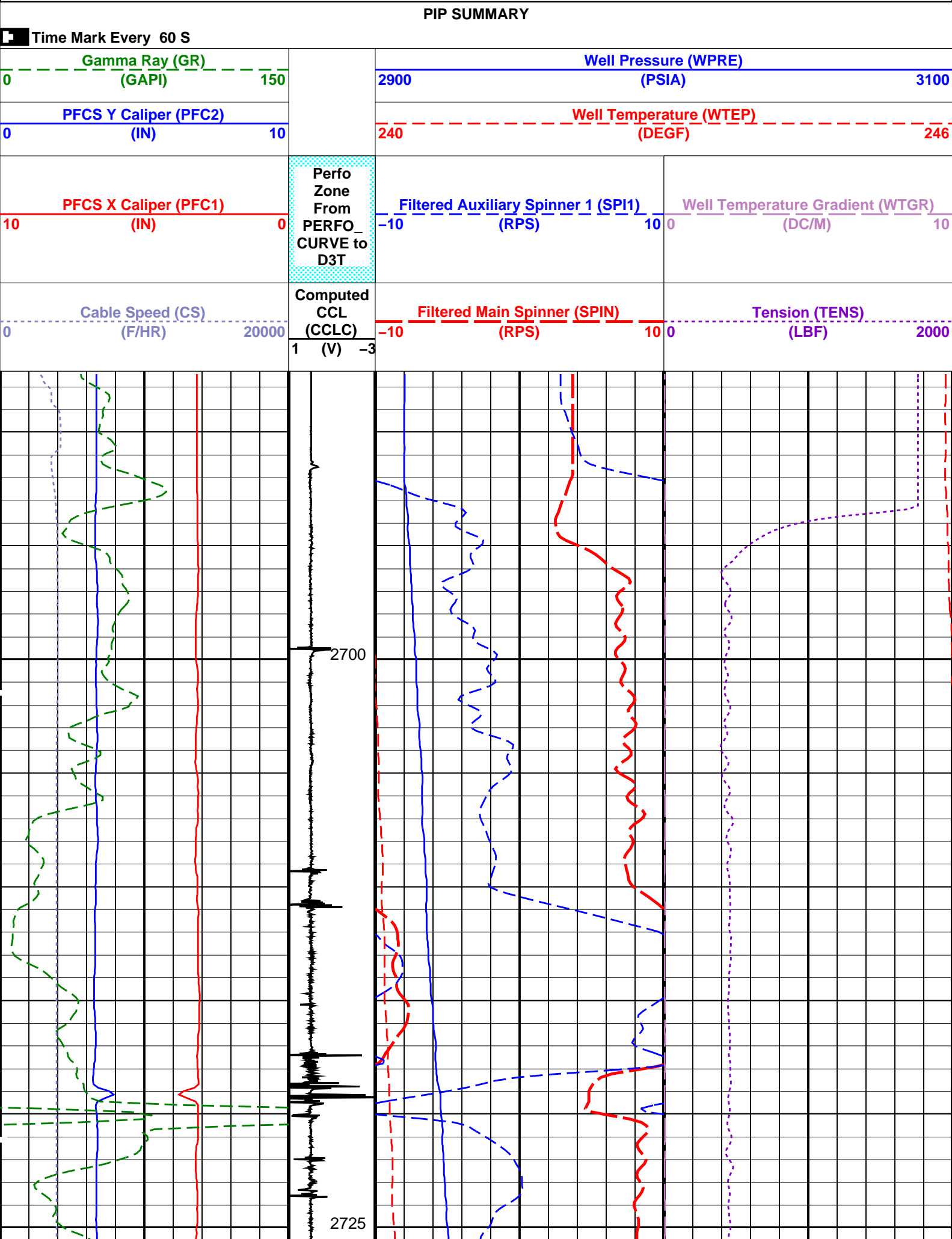
DEFAULTFlip\_FCS\_DEFT\_CFS\_026LUPPRODUCER12-May-2006 15:412850.6 M2690.8 M

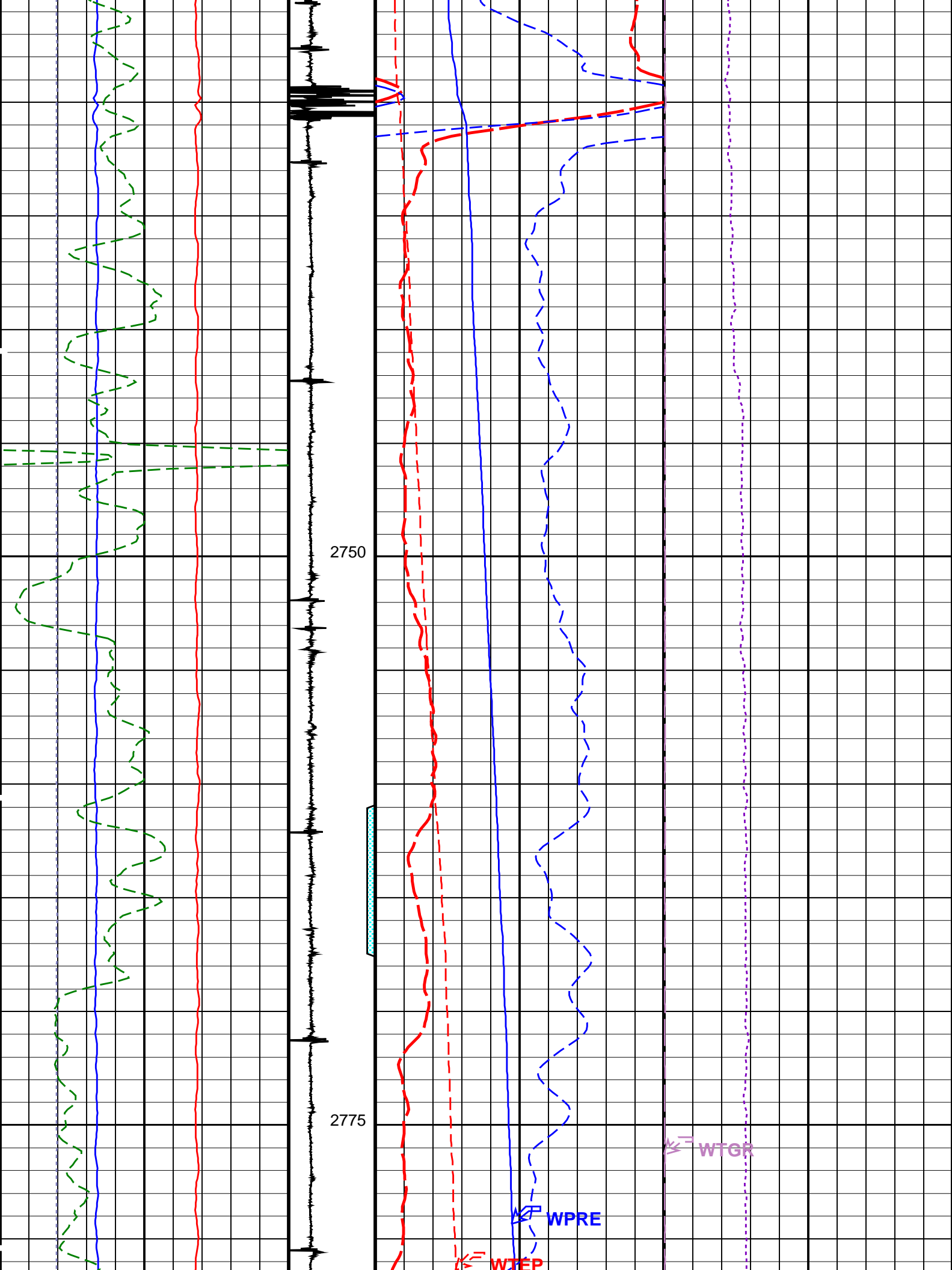
Output DLIS Files

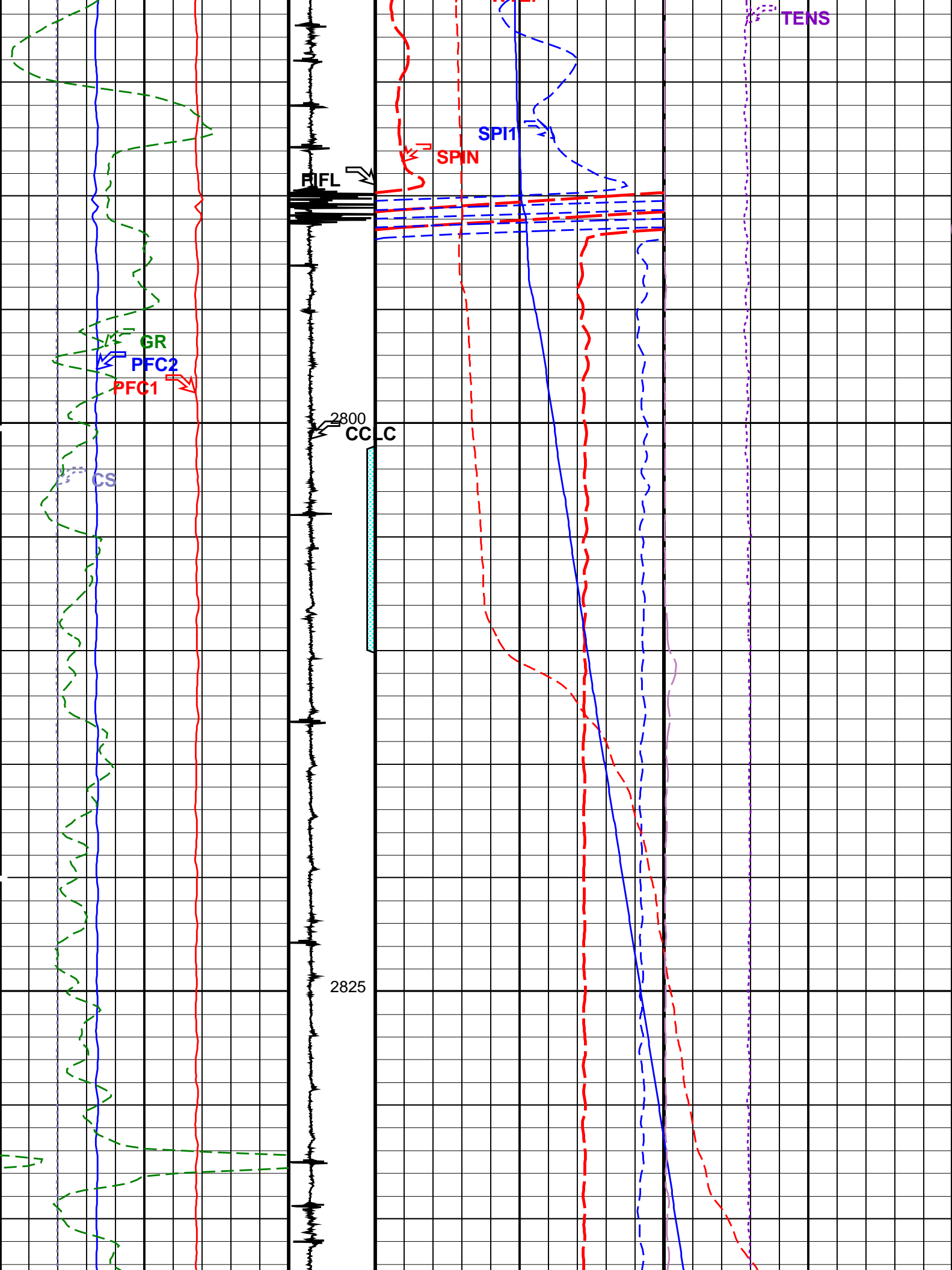
DEFAULTFCS\_DEFT\_CFS\_PSP\_030PUPFN:26PRODUCER12-May-2006 16:182846.7 M2687.3 M

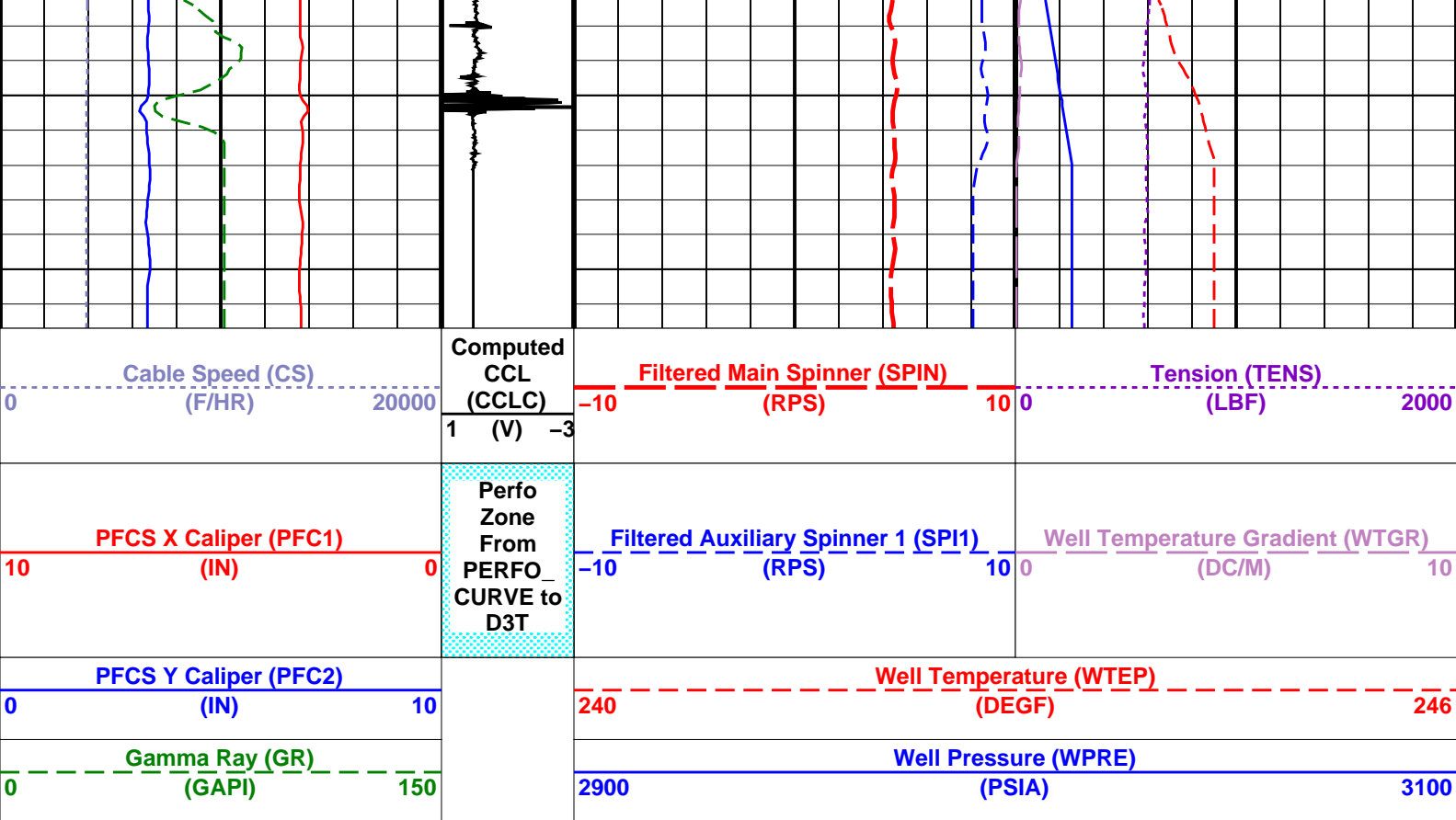
OP System Version: 14C0-302  
MCM

PFCS-A14C0-302DEFT-C214C0-302









#### PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 12-May-2006 16:18

### OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	DEFT-C2	14C0-302
CFS-X	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	CFS-X
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
CFS-X: PSP Continous Flowmeter Sonde type X		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	CFS-X
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
System and Miscellaneous		
DO	Depth Offset for Playback	-4.0 M
PP	Playback Processing	RECOMPUTE

### Input DLIS Files

DEFAULT	Flip_FCS_DEFT_CFS_026LUP	PRODUCER	12-May-2006 15:41	2850.6 M	2690.8 M
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### Output DLIS Files

DEFAULT	FCS_DEFT_CFS_PSP_030PUP	FN:26	PRODUCER	12-May-2006 16:18
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### Input DLIS Files

DEFAULT	Flip_FCS_DEFT_CFS_026LUP	PRODUCER	12-May-2006 15:41	2850.6 M	2690.8 M
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# Output DLIS Files

DEFAULT

FCS\_DEFT\_CFS\_PSP\_030PUP

FN:26

PRODUCER

12-May-2006 16:18 2846.7 M

2687.3 M

## OP System Version: 14C0-302

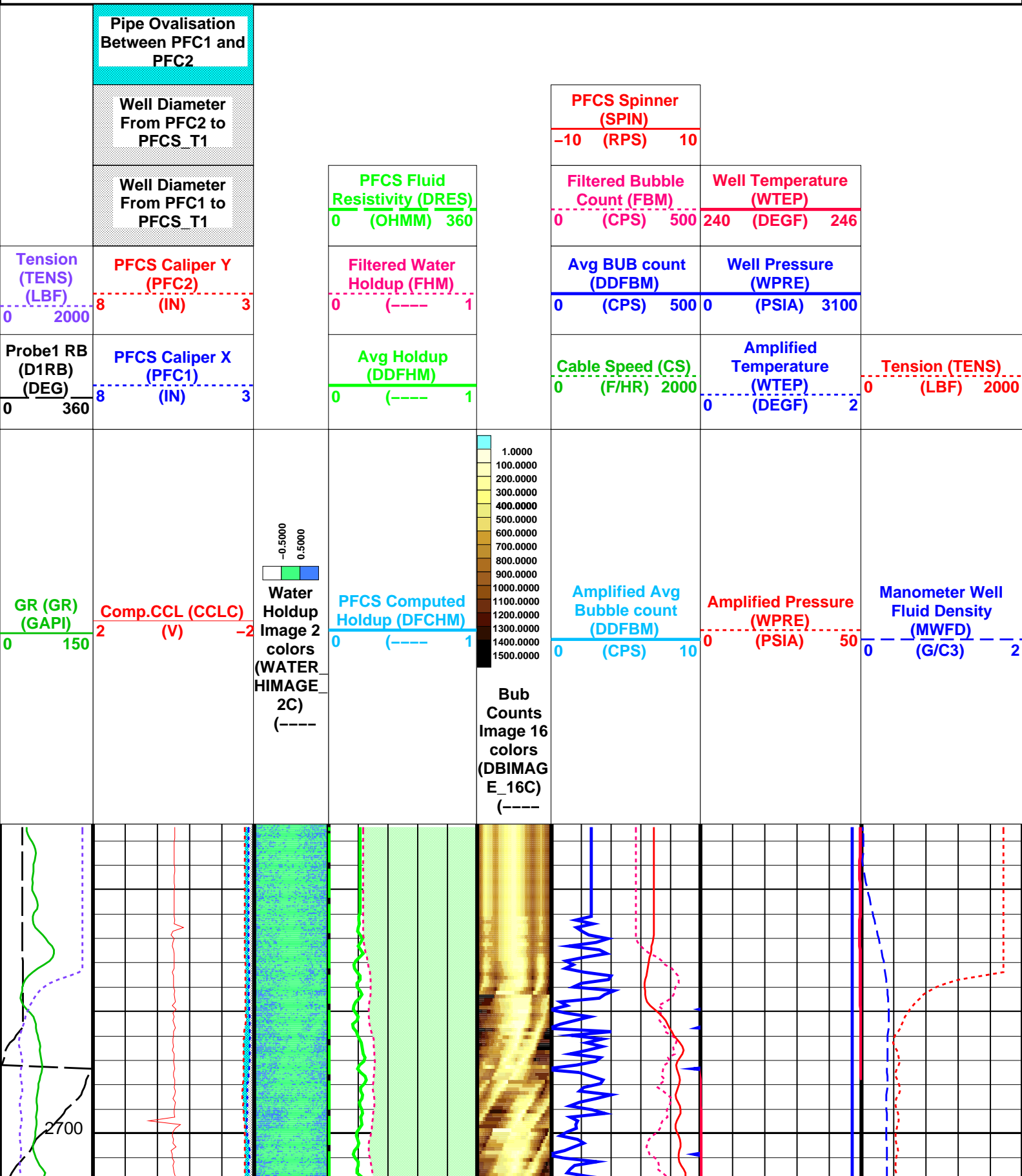
MCM

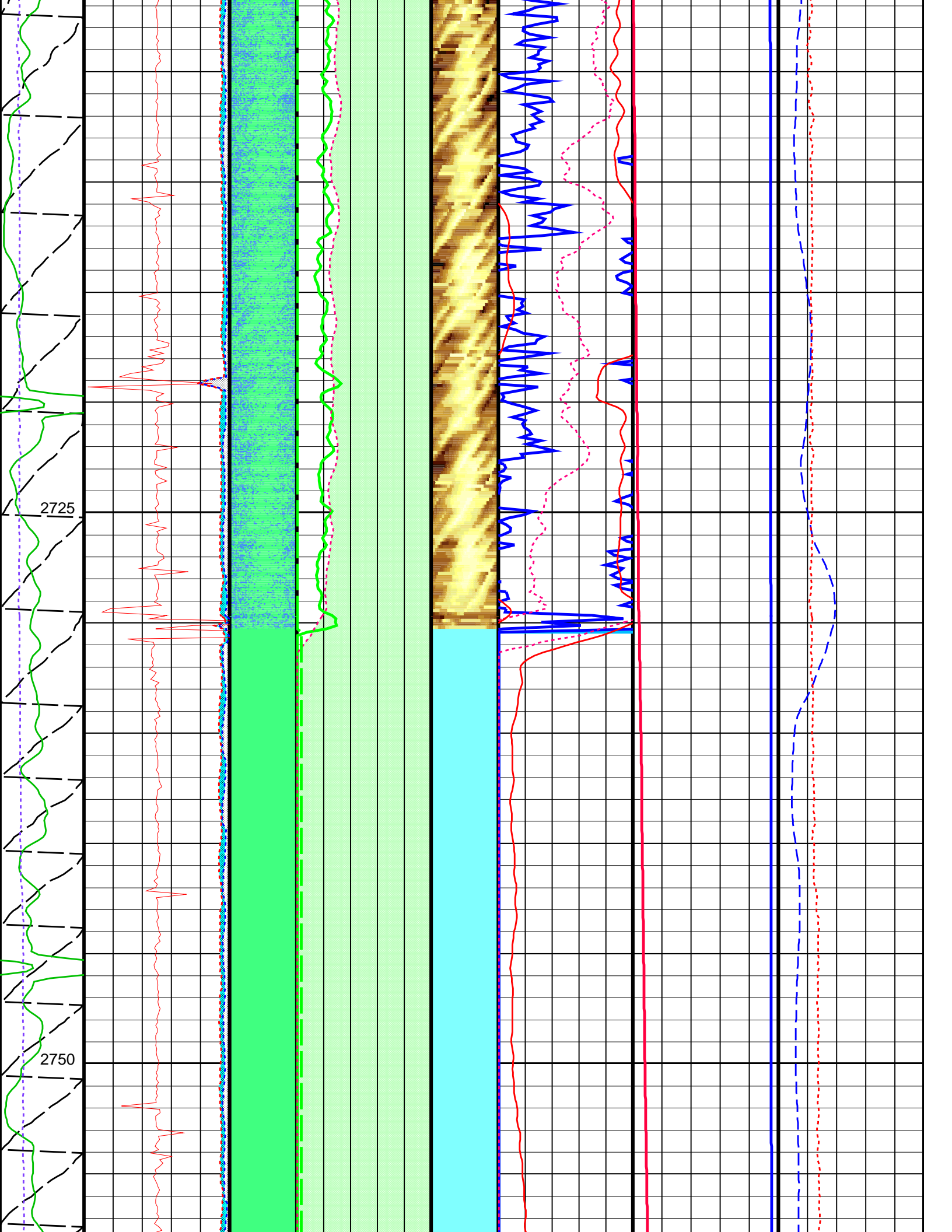
PFCs-A  
CFS-X

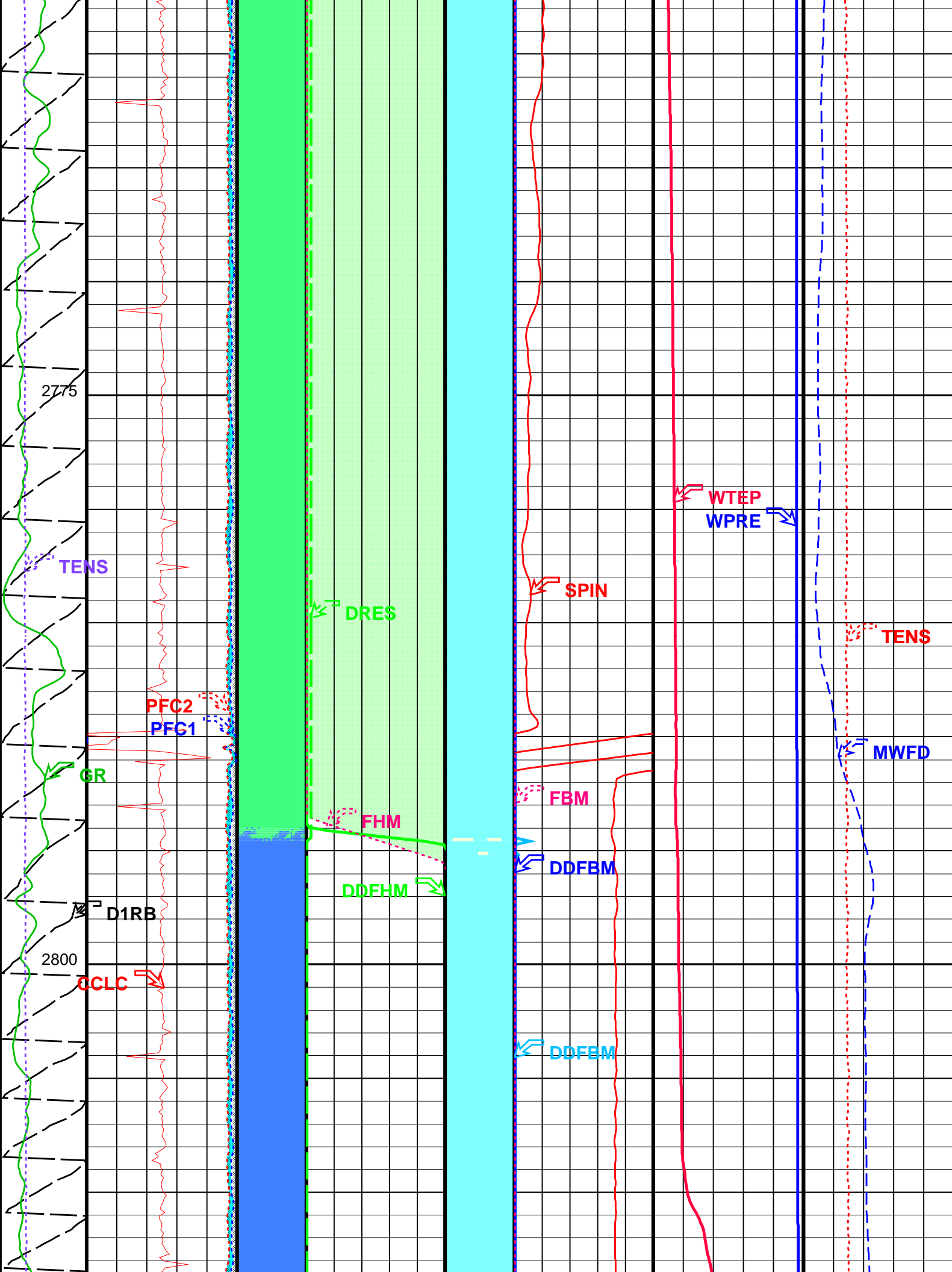
14C0-302  
14C0-302

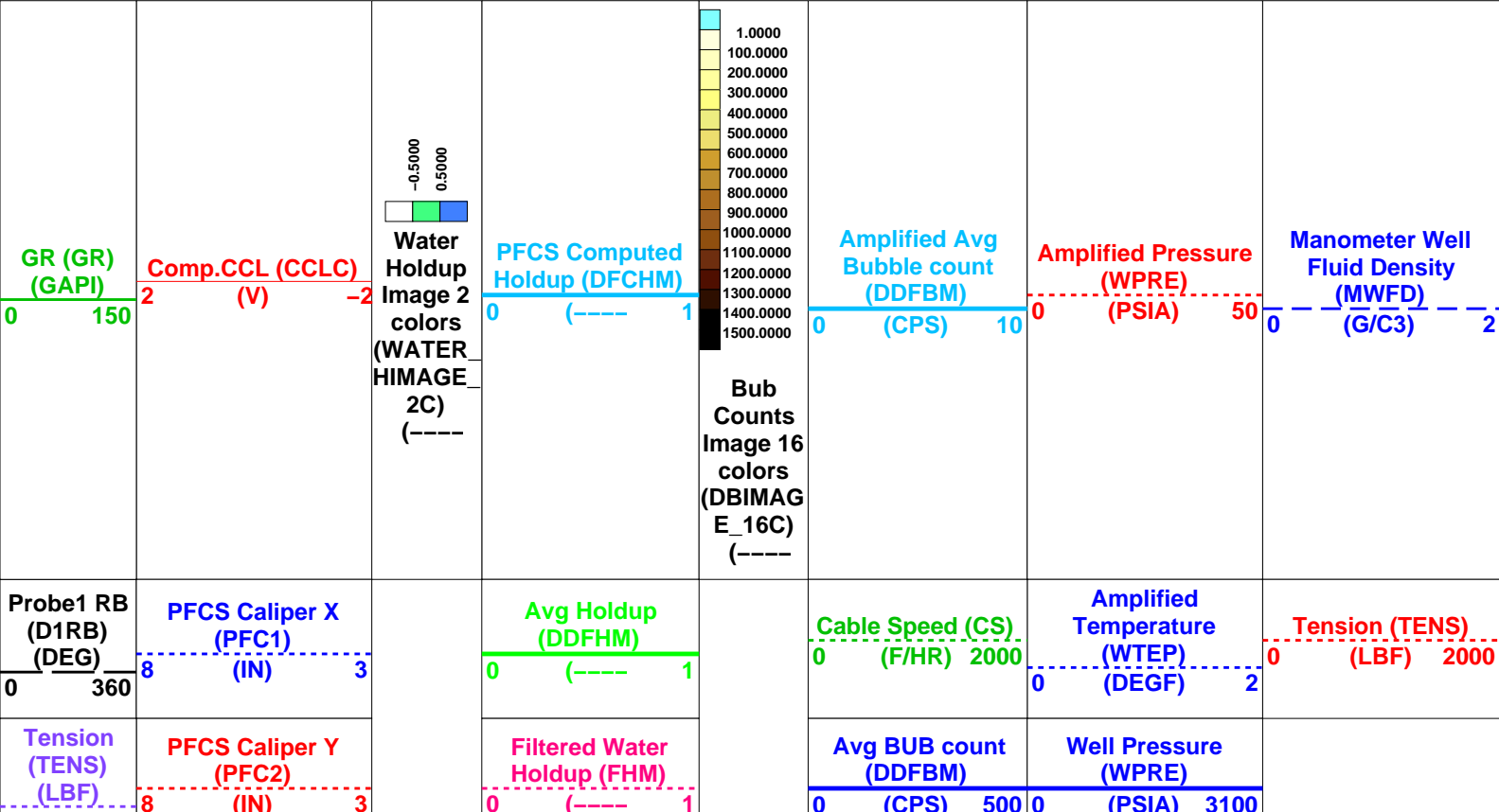
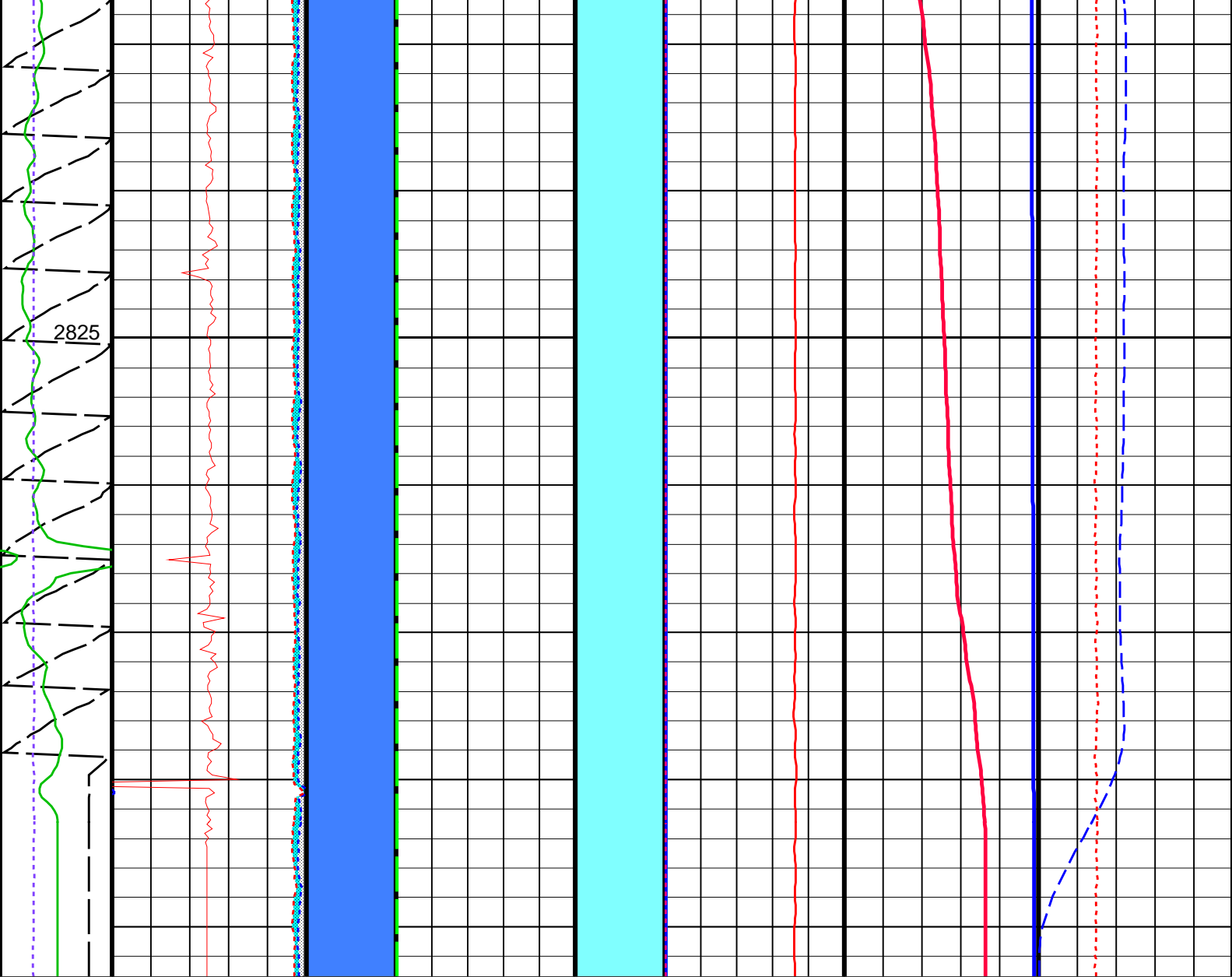
DEFT-C2  
PSPT-A/B

14C0-302  
14C0-302













# Input DLIS Files

DEFAULT Flip\_FCS\_DEFT\_CFS\_026LUP PRODUCER 12-May-2006 15:41 2850.6 M 2690.8 M

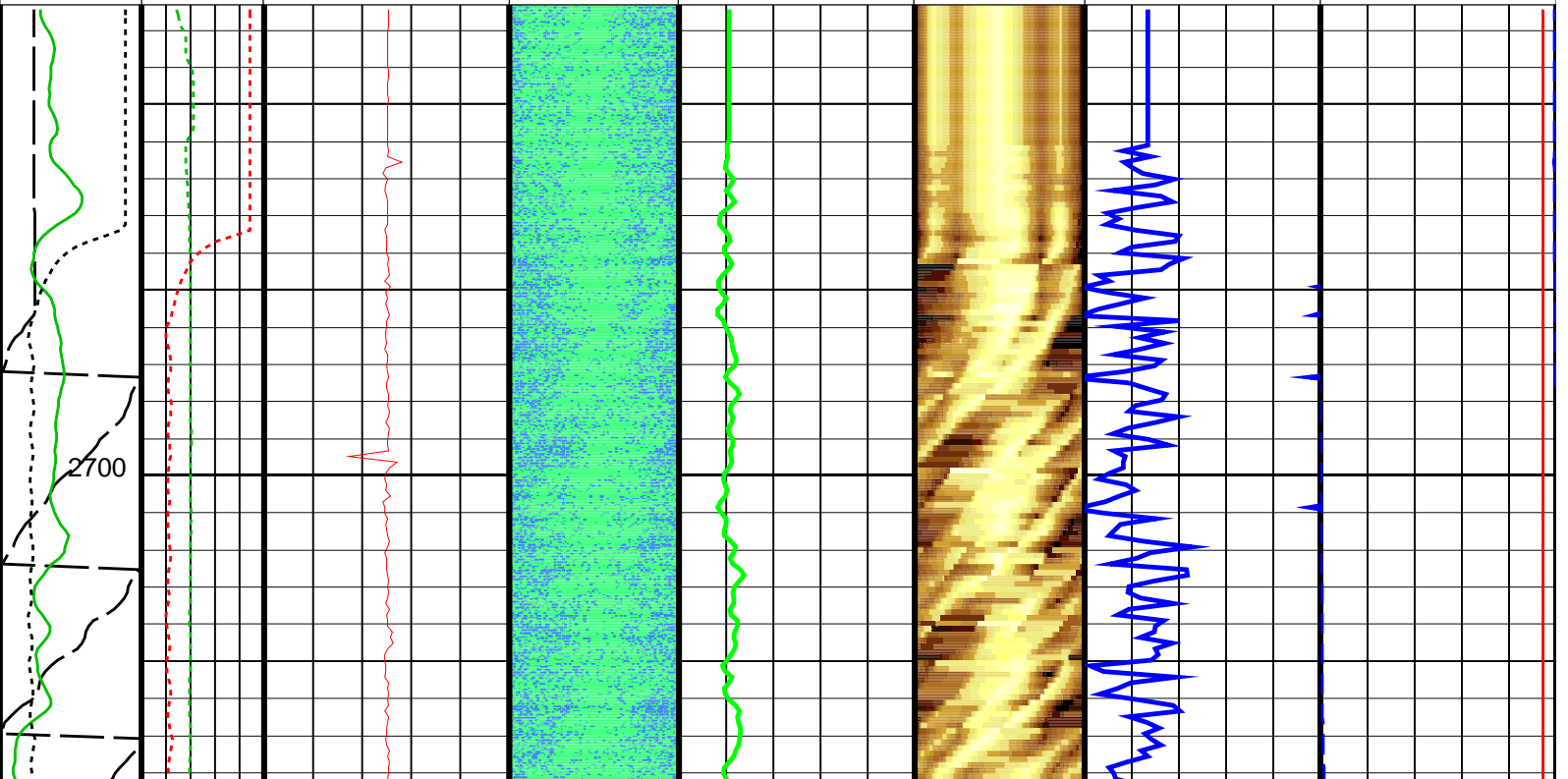
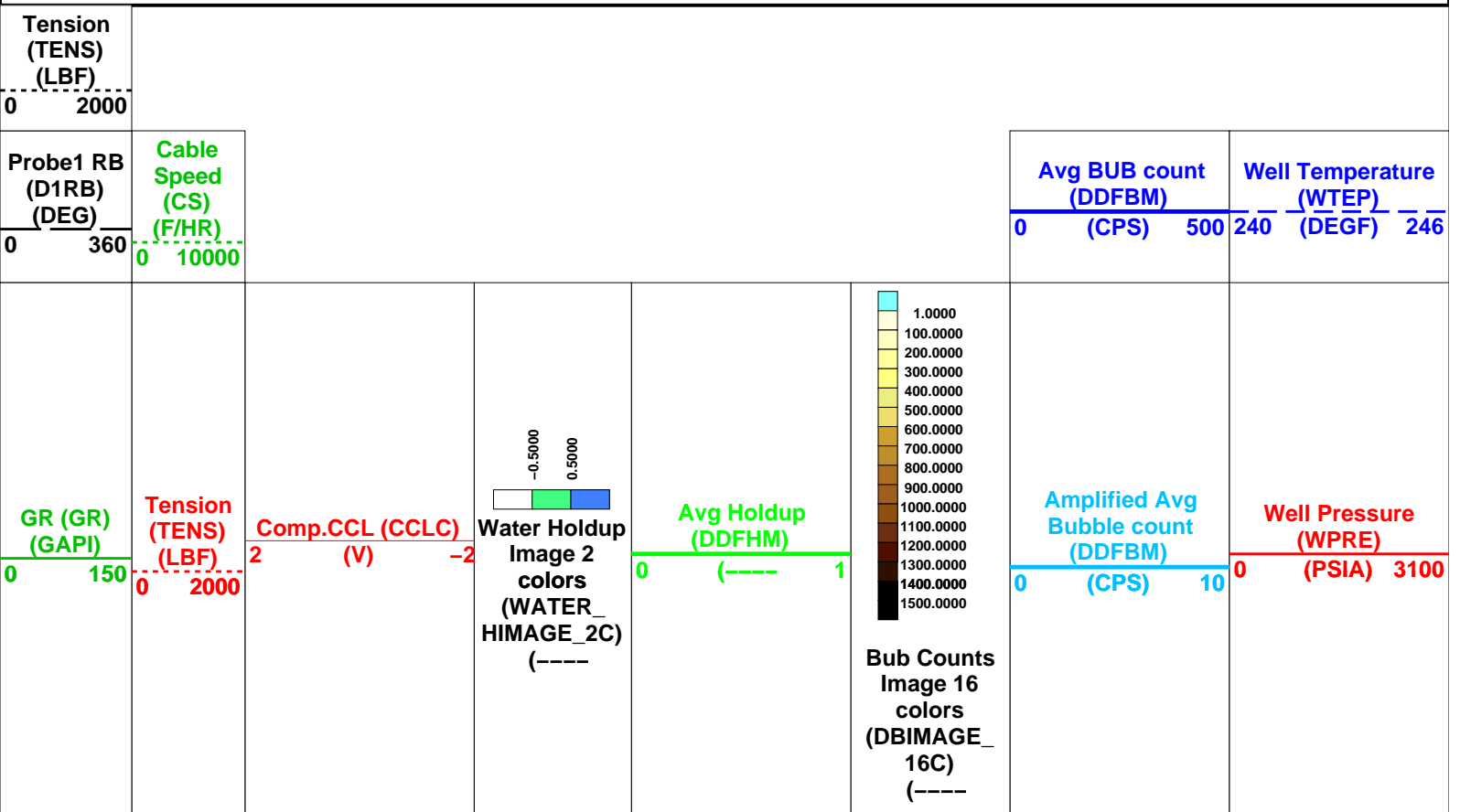
# Output DLIS Files

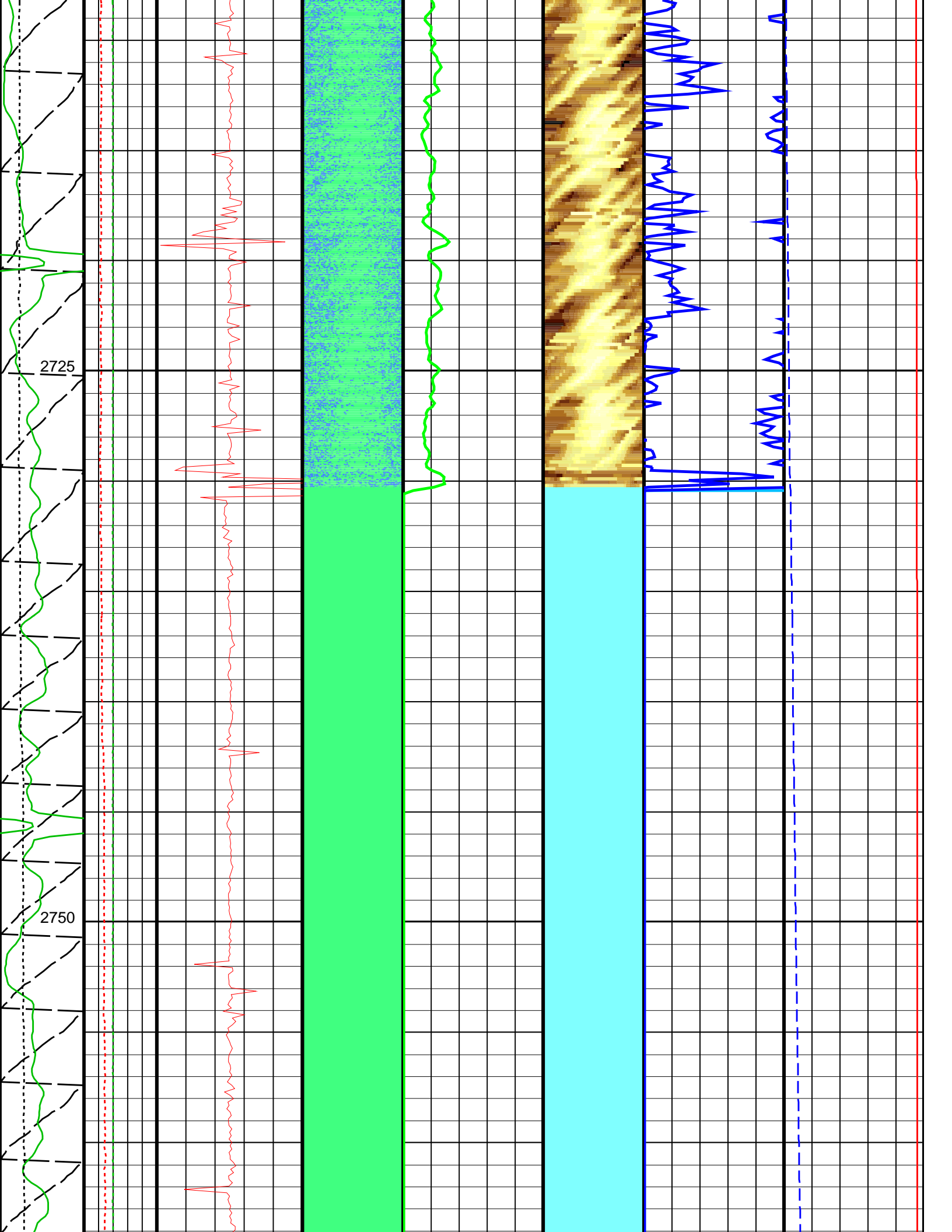
DEFAULT FCS\_DEFT\_CFS\_PSP\_030PUP FN:26 PRODUCER 12-May-2006 16:18 2846.7 M 2687.3 M

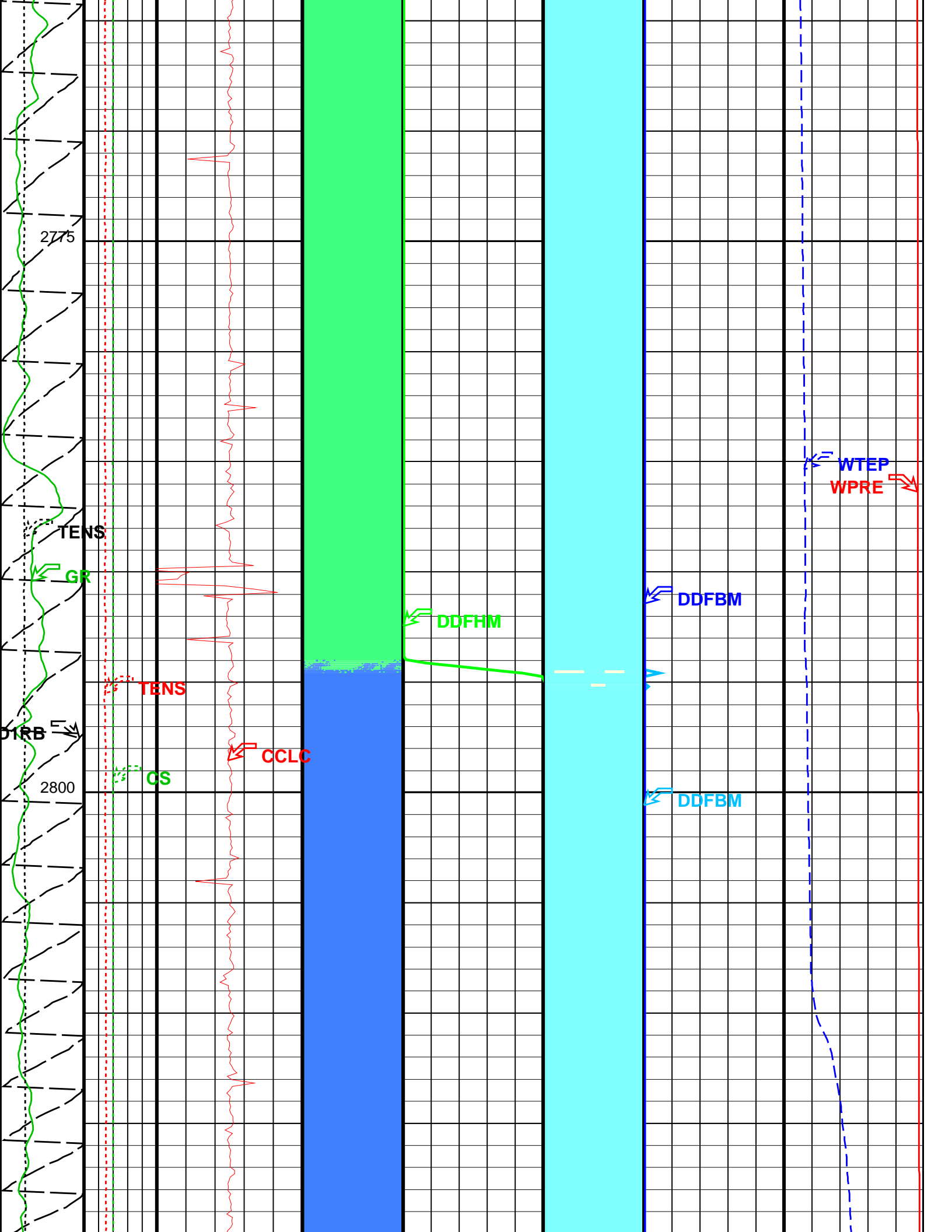
## OP System Version: 14C0-302

MCM

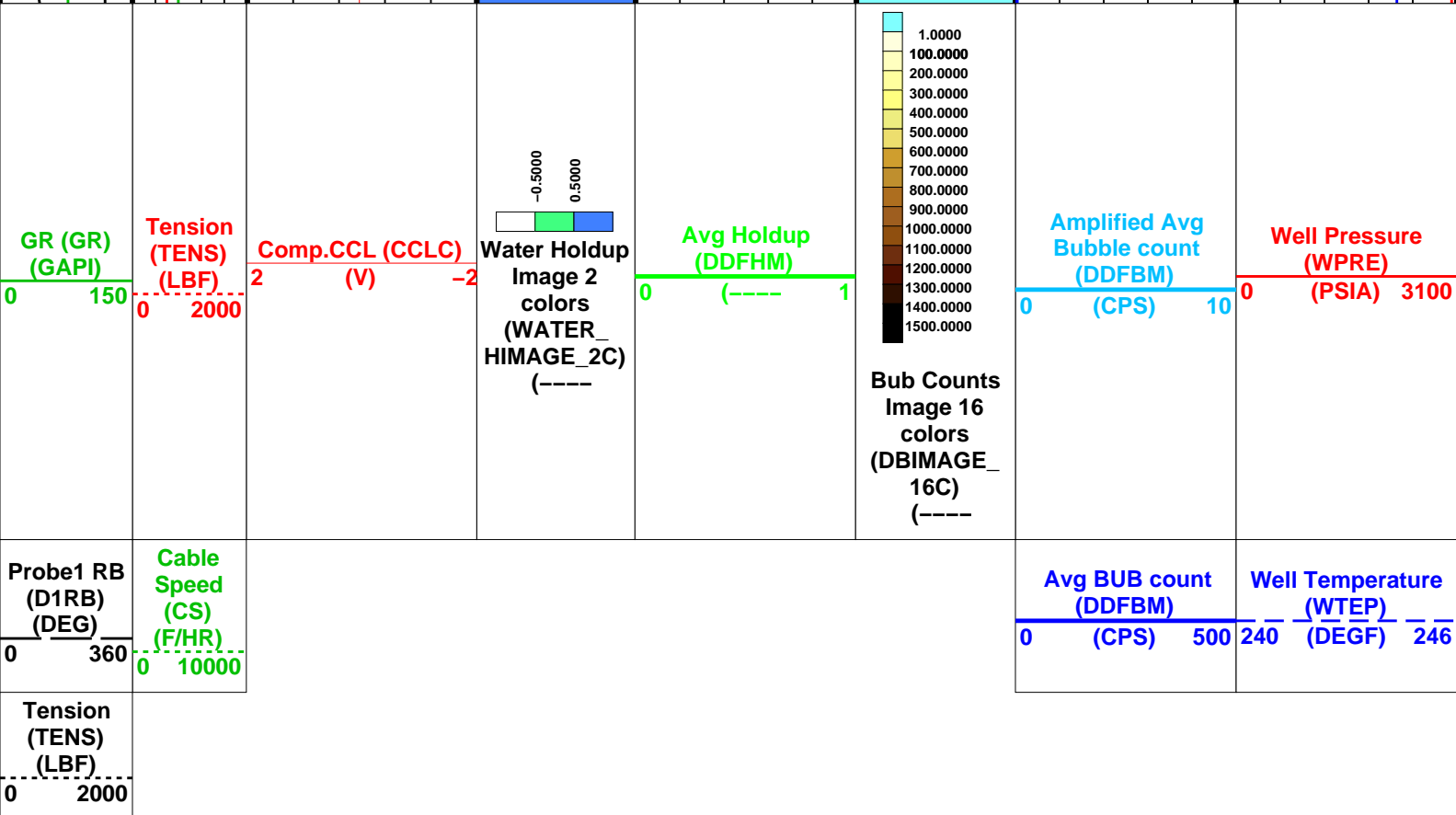
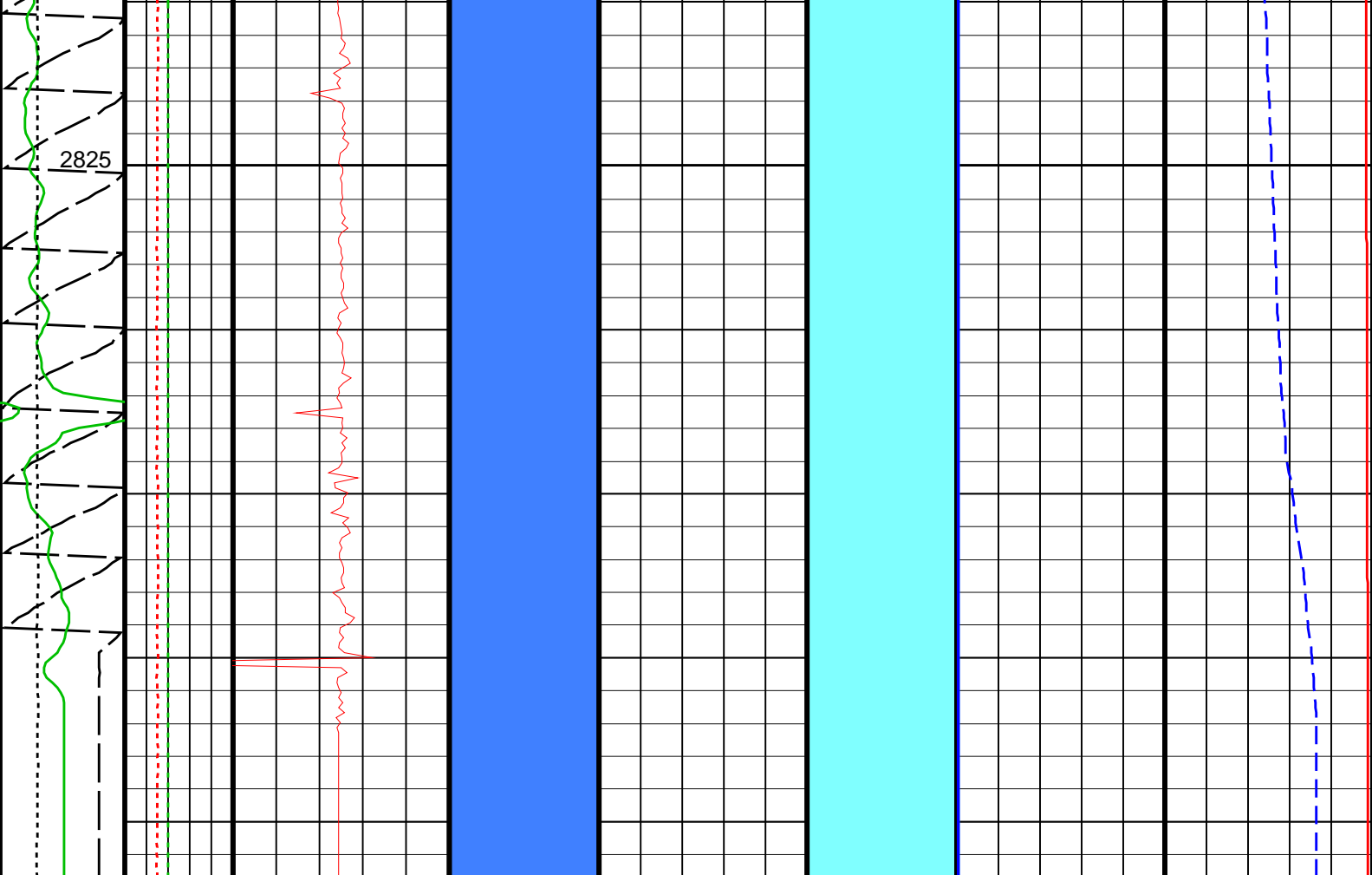
PFCS-A 14C0-302 DEFT-C2 14C0-302  
CFS-X 14C0-302 PSPT-A/B 14C0-302












Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 12-May-2006 16:18

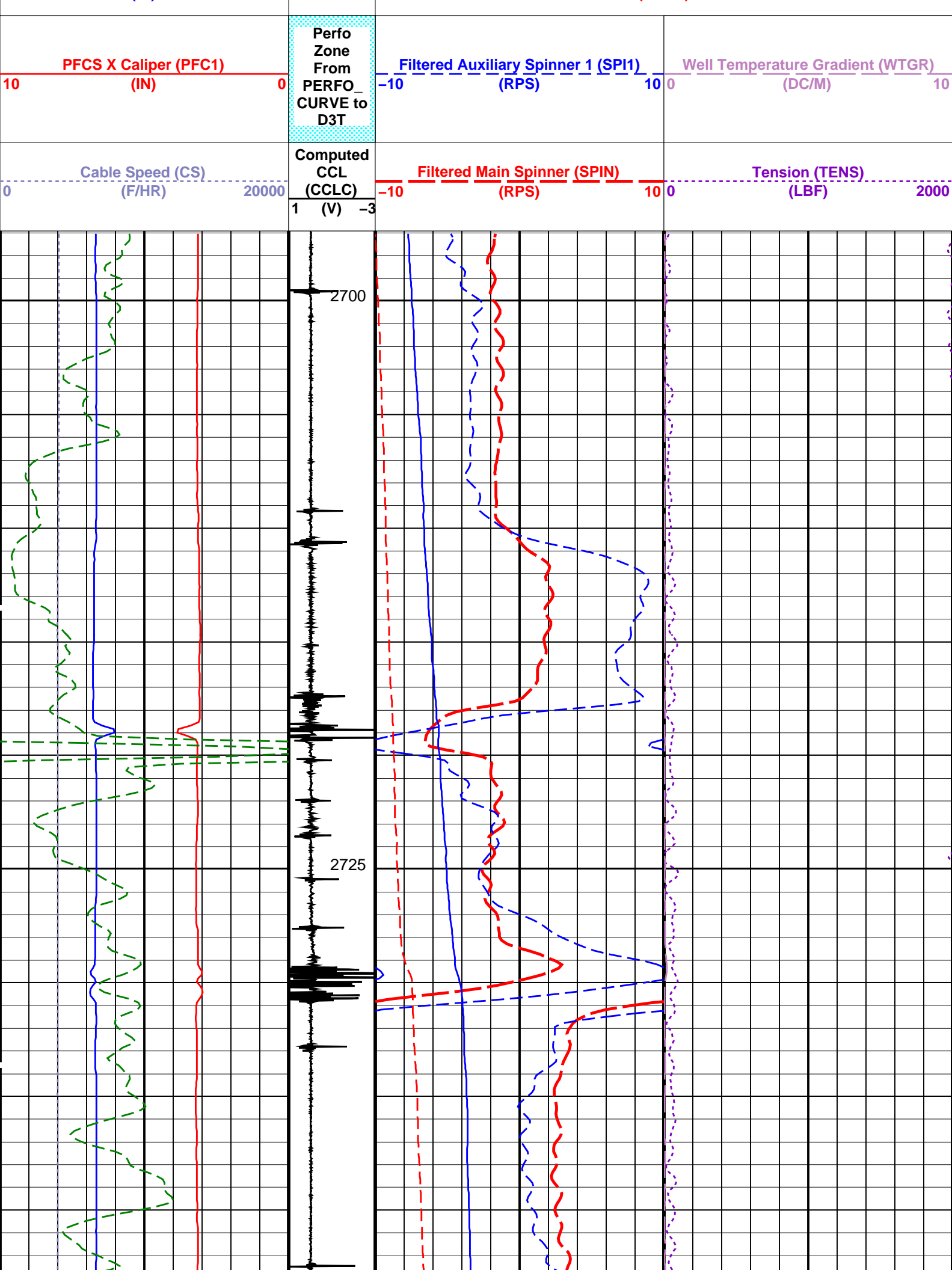
Parameters				
DLIS Name	Description	Value		
PFCS–A: PSP Flow and caliper Tool				
CSID	Casing Size I.D.	3.5	IN	
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2–D1RB		
DDRS	Dual DEFT RB Source	D1RB		
DFBD	DEFT Blank Disallowed Probes	NO		
DFFI	DEFT Flip Image	NO		
DFII	DEFT Image Interpolation	YES		
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE		
DFPP	Probes Arm Position	C		
DEFT–C2: DEFT_C Tool				
CSID	Casing Size I.D.	3.5	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		
PSPT–A/B: Production Services Logging Platform				
CSID	Casing Size I.D.	3.5	IN	
BORDYN: BorDyn (Well Test Validation)				
CSID	Casing Size I.D.	3.5	IN	
System and Miscellaneous				
DO	Depth Offset for Playback	–4.0	M	
PP	Playback Processing	RECOMPUTE		

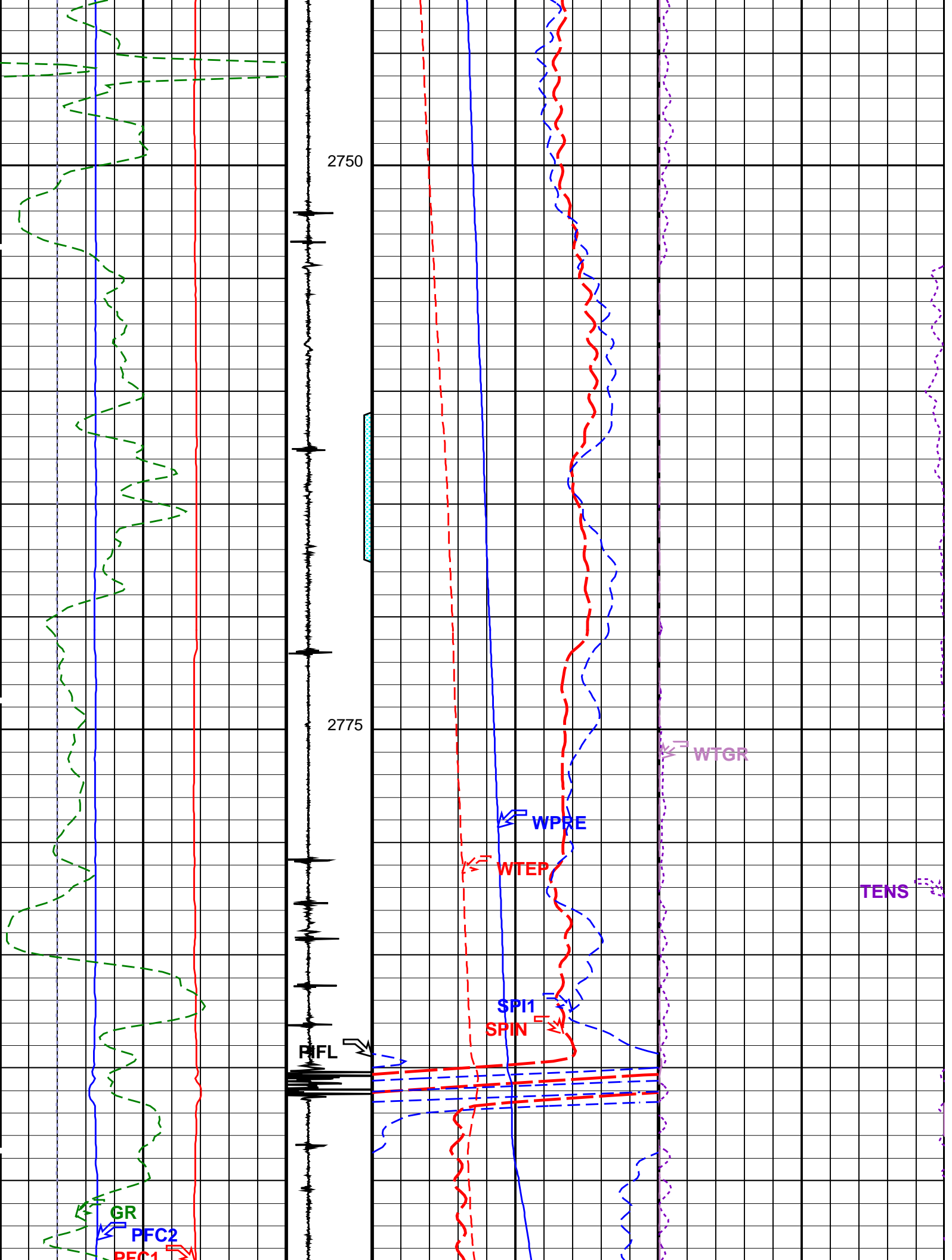
Input DLIS Files						
DEFAULT	Flip_FCS_DEFT_CFS_026LUP	PRODUCER	12-May-2006 15:41	2850.6 M	2690.8 M	
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_030PUP	FN:26	PRODUCER	12-May-2006 16:18		

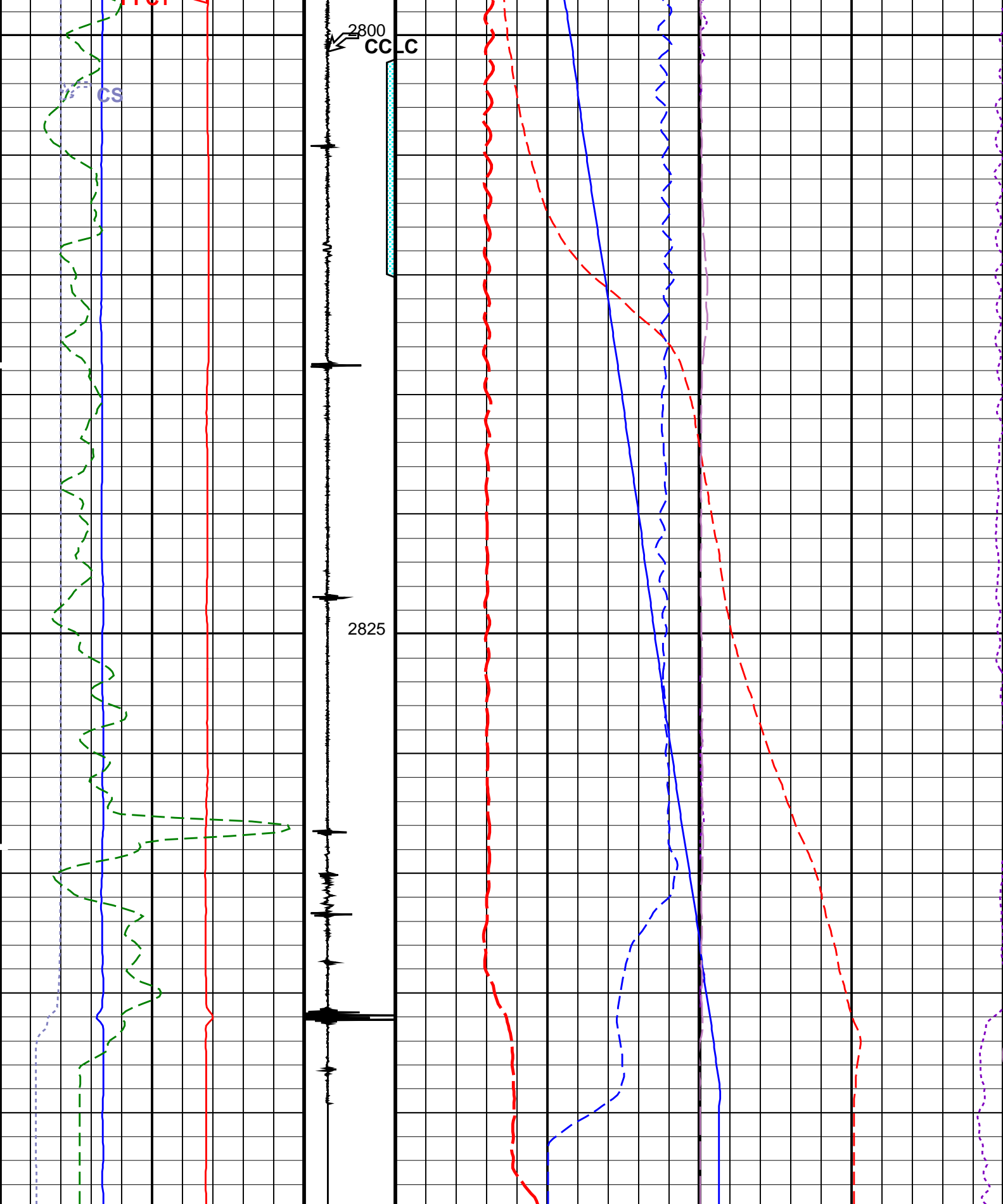
	PFCS Up Log at 20m/min	
	2850m to 2715m MDKB – Flowing	
	MAXIS Field Log	

Input DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_015LUP	FN:14	PRODUCER	12–May–2006 07:58	2849.9 M	2697.5 M
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_028PUP	FN:24	PRODUCER	12–May–2006 16:12	2848.8 M	2696.9 M
OP System Version: 14C0–302						
MCM						
PFCS–A	14C0–302	DEFT–C2	14C0–302			
CFS–X	14C0–302	PSPT–A/B	14C0–302			

PIP SUMMARY				
Time Mark Every 60 S				
<div> <div>Gamma Ray (GR)</div> <div>(GAPI)</div> <div>0150</div> </div>		<div> <div>Well Pressure (WPRE)</div> <div>(PSIA)</div> <div>29003100</div> </div>		
<div> <div>PFCS Y Caliper (PFC2)</div> <div>(IN)</div> <div>010</div> </div>		<div> <div>Well Temperature (WTEP)</div> <div>(DEGF)</div> <div>240246</div> </div>		







Cable Speed (CS) (F/HR)	Computed CCL (CCLC) (V)	Filtered Main Spinner (SPIN) (RPS)	Tension (TENS) (LBF)
0	1	-10	0
20000	-3	10	2000

Perfo  
Zone

PFCS X Caliper (PFC1)			From PERFO_ CURVE to D3T	Filtered Auxiliary Spinner 1 (SPI1)			Well Temperature Gradient (WTGR)		
10	(IN)	0		-10	(RPS)	10	0	(DC/M)	10
PFCS Y Caliper (PFC2)				Well Temperature (WTEP)					
0	(IN)	10		(DEGF)					
Gamma Ray (GR)				Well Pressure (WPRE)					
0	(GAPI)	150	2900	(PSIA)					

PIP SUMMARY								
Time Mark Every 60 S								

Format: PSP_1	Vertical Scale: 1:200	Graphics File Created: 12-May-2006 16:12
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OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	DEFT-C2	14C0-302
CFS-X	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	CFS-X
SPIN		Main Spinner Flowmeter Sonde	PFCS-A_TURB
CFS-X: PSP Continous Flowmeter Sonde type X			
AMOD		Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF		Spinner Depth Constant Filter	6
SPI1		Auxiliary Spinner 1 Flowmeter Sonde	CFS-X
SPIN		Main Spinner Flowmeter Sonde	PFCS-A_TURB
System and Miscellaneous			
DO		Depth Offset for Playback	-1.0 M
PP		Playback Processing	RECOMPUTE

Input DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_015LUP	FN:14	PRODUCER	12-May-2006 07:58	2849.9 M	2697.5 M
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_028PUP	FN:24	PRODUCER	12-May-2006 16:12		

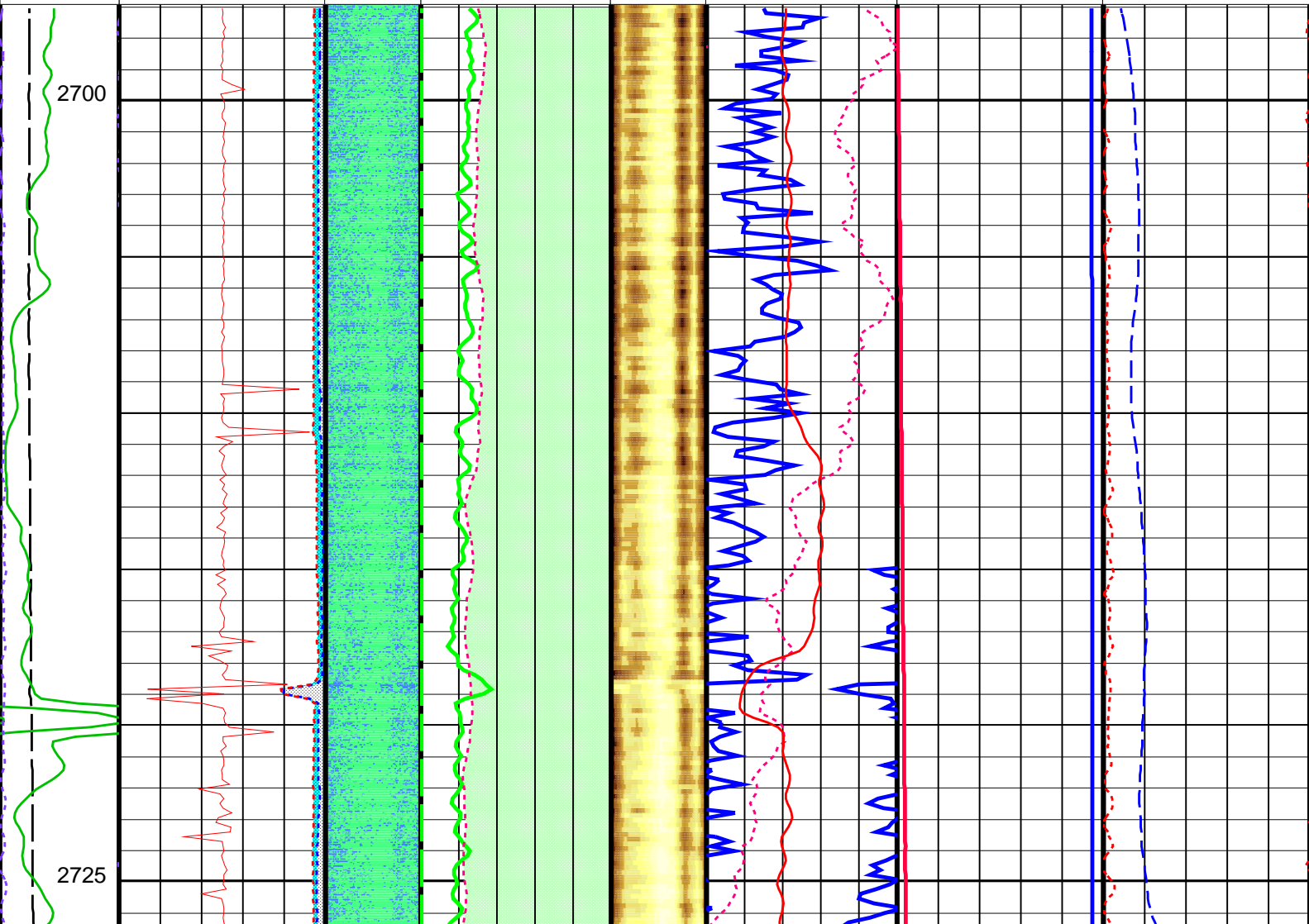
Input DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_015LUP	FN:14	PRODUCER	12-May-2006 07:58	2849.9 M	2697.5 M
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_028PUP	FN:24	PRODUCER	12-May-2006 16:12	2848.8 M	2696.9 M

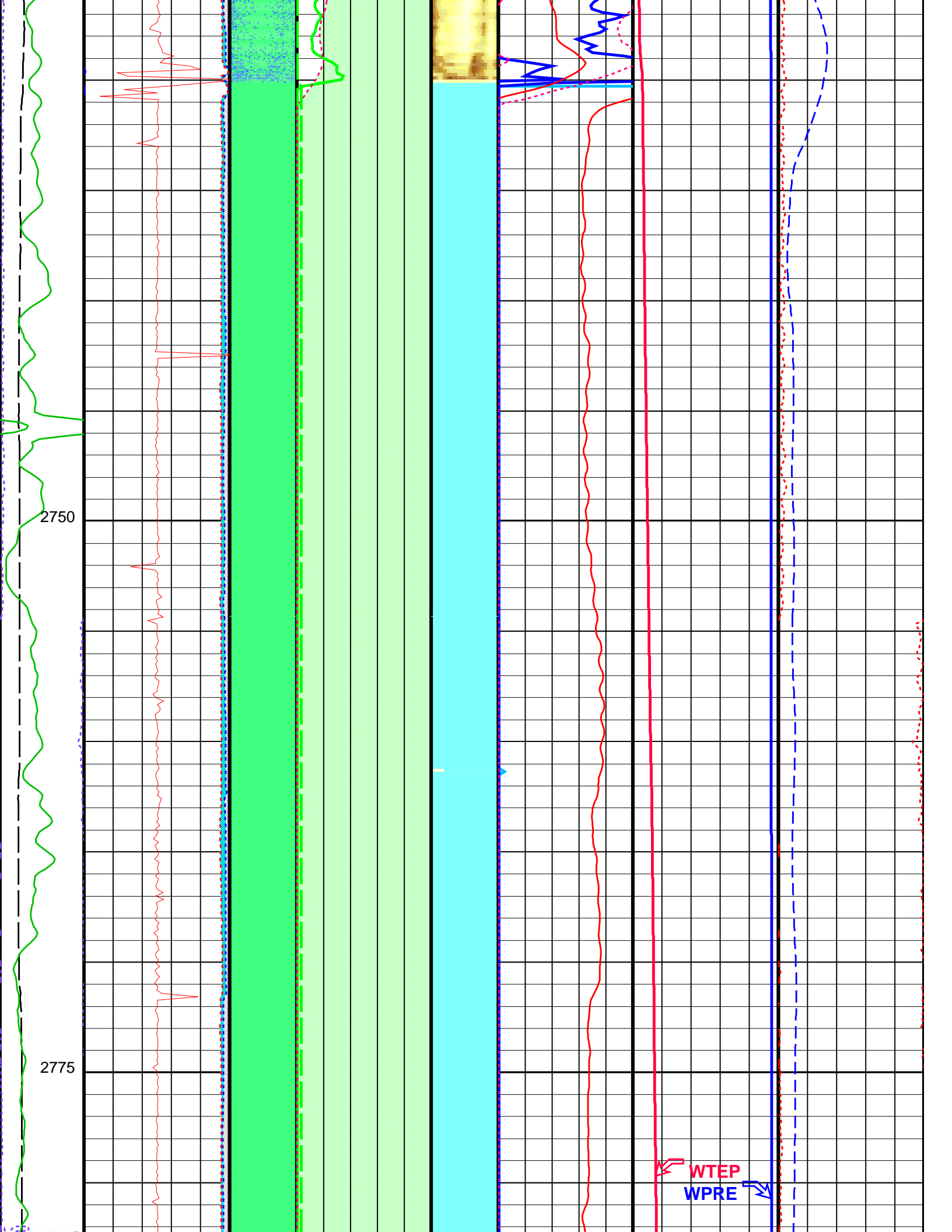
OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	DEFT-C2	14C0-302
CFS-X	14C0-302	PSPT-A/B	14C0-302

	Pipe Ovalisation Between PFC1 and PFC2				
	Well Diameter From PFC2 to PFCS_T1	PFCS Spinner (SPIN)			
		-10	(RPS)	10	
		PFCS Fluid		Filtered Bubbles	Well Temperature

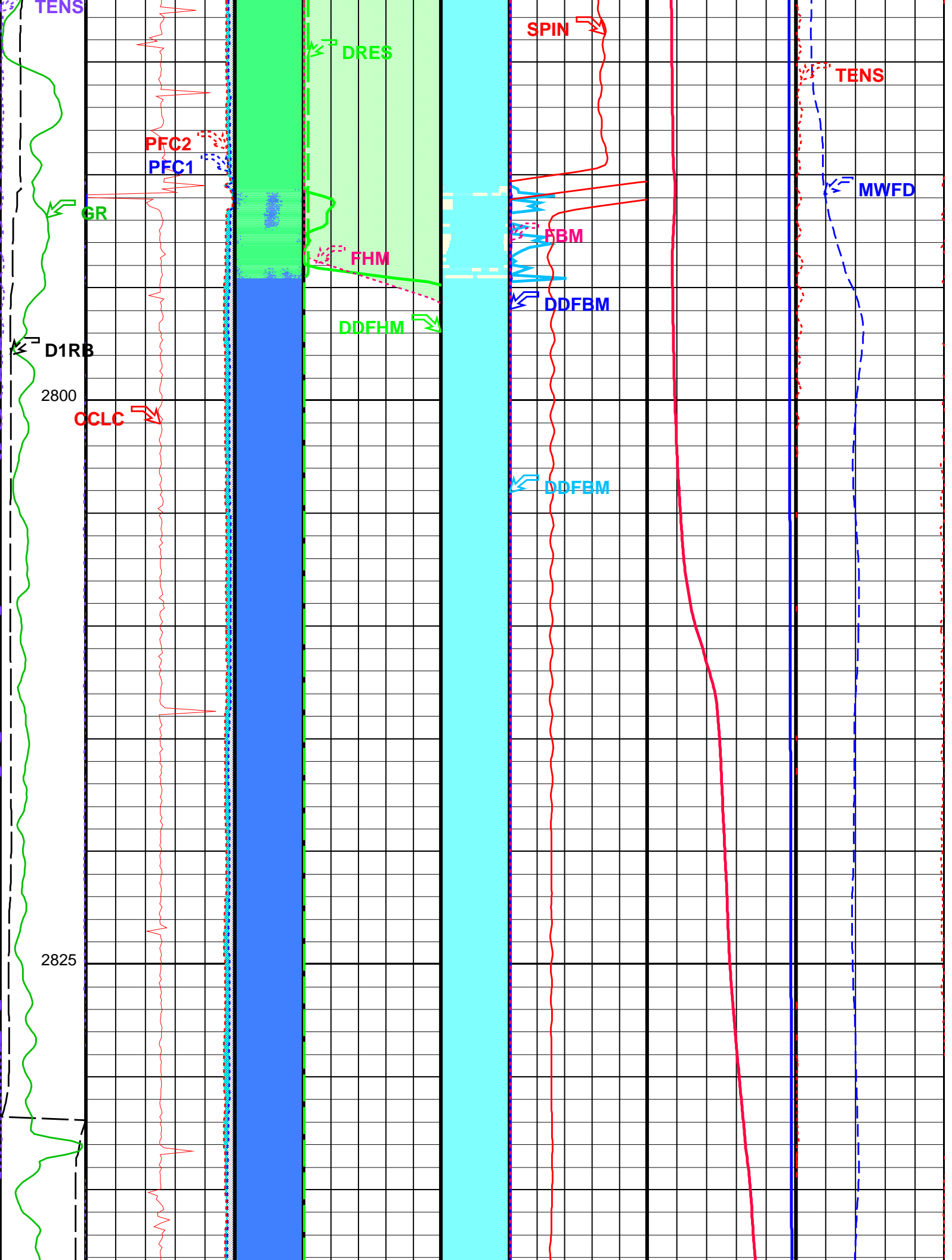
Well Diameter From PFC1 to PFC5_T1		PFC5 Fluid Resistivity (DRES) 0 (OHMM) 360		Filtered Bubble Count (FBM) 0 (CPS) 500		Well Temperature (WTEP) 240 (DEGF) 246	
Tension (TENS) (LBF) 0 2000	PFC5 Caliper Y (PFC2) (IN) 8 3	Filtered Water Holdup (FHM) 0 (----) 1		Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 0 (PSIA) 3100		
Probe1 RB (D1RB) (DEG) 0 360	PFC5 Caliper X (PFC1) (IN) 8 3	Avg Holdup (DDFHM) 0 (----) 1		Cable Speed (CS) 0 (F/HR) 2000	Amplified Temperature (WTEP) (DEGF) 0 2	Tension (TENS) (LBF) 2000	

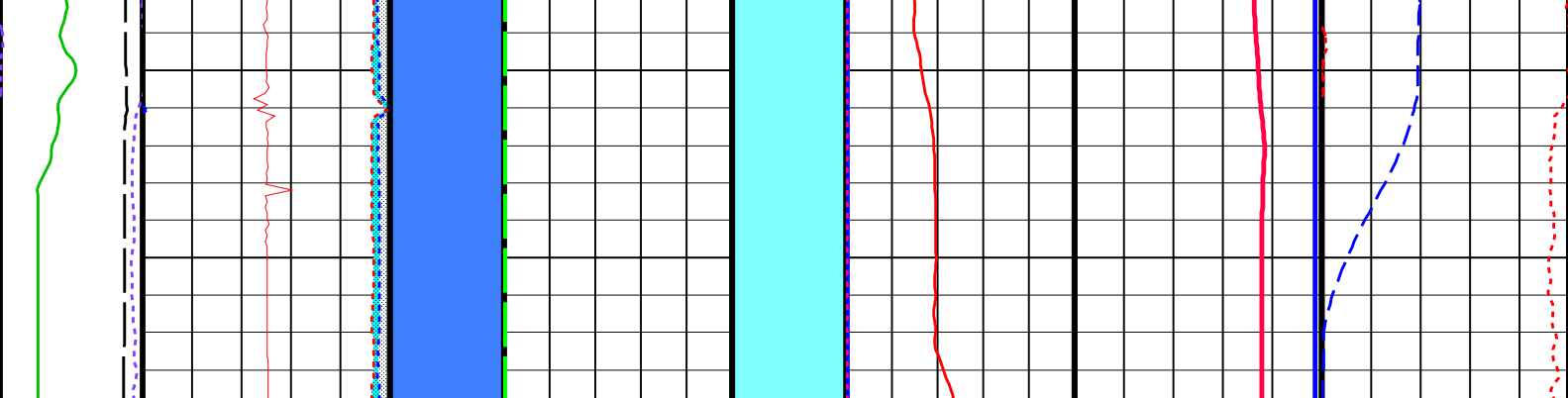
GR (GR) (GAPI) 0 150	Comp.CCL (CCLC) (V) 2 -2	Water Holdup Image 2 colors (WATER HIMAGE 2C) (----)	PFC5 Computed Holdup (DFCHM) 0 (----) 1	Amplified Avg Bubble count (DDFBM) 0 (CPS) 10	Amplified Pressure (WPRE) (PSIA) 0 50	Manometer Well Fluid Density (MWFD) (G/C3) 0 2
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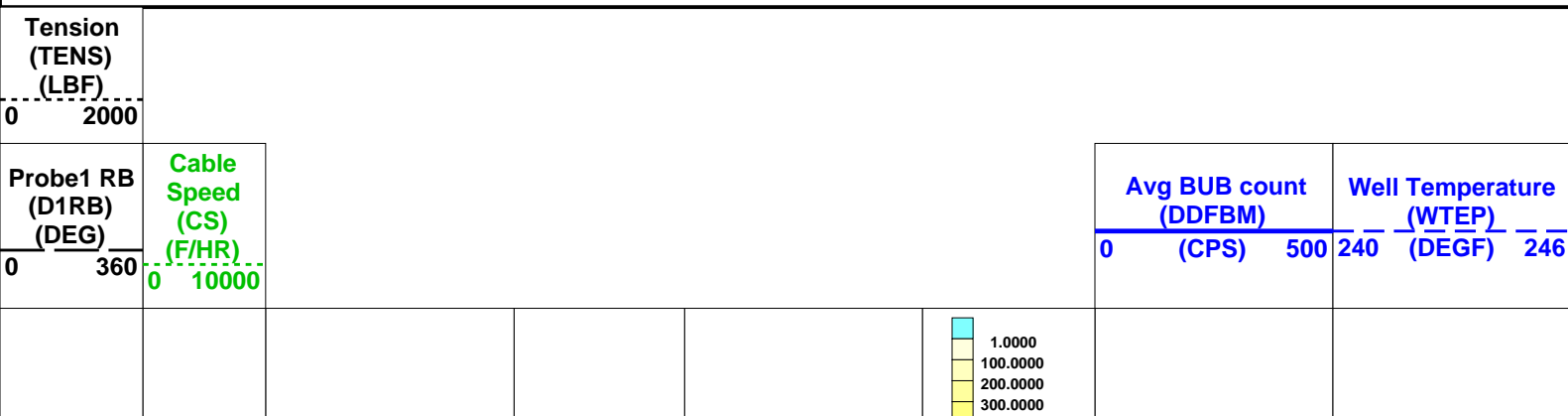


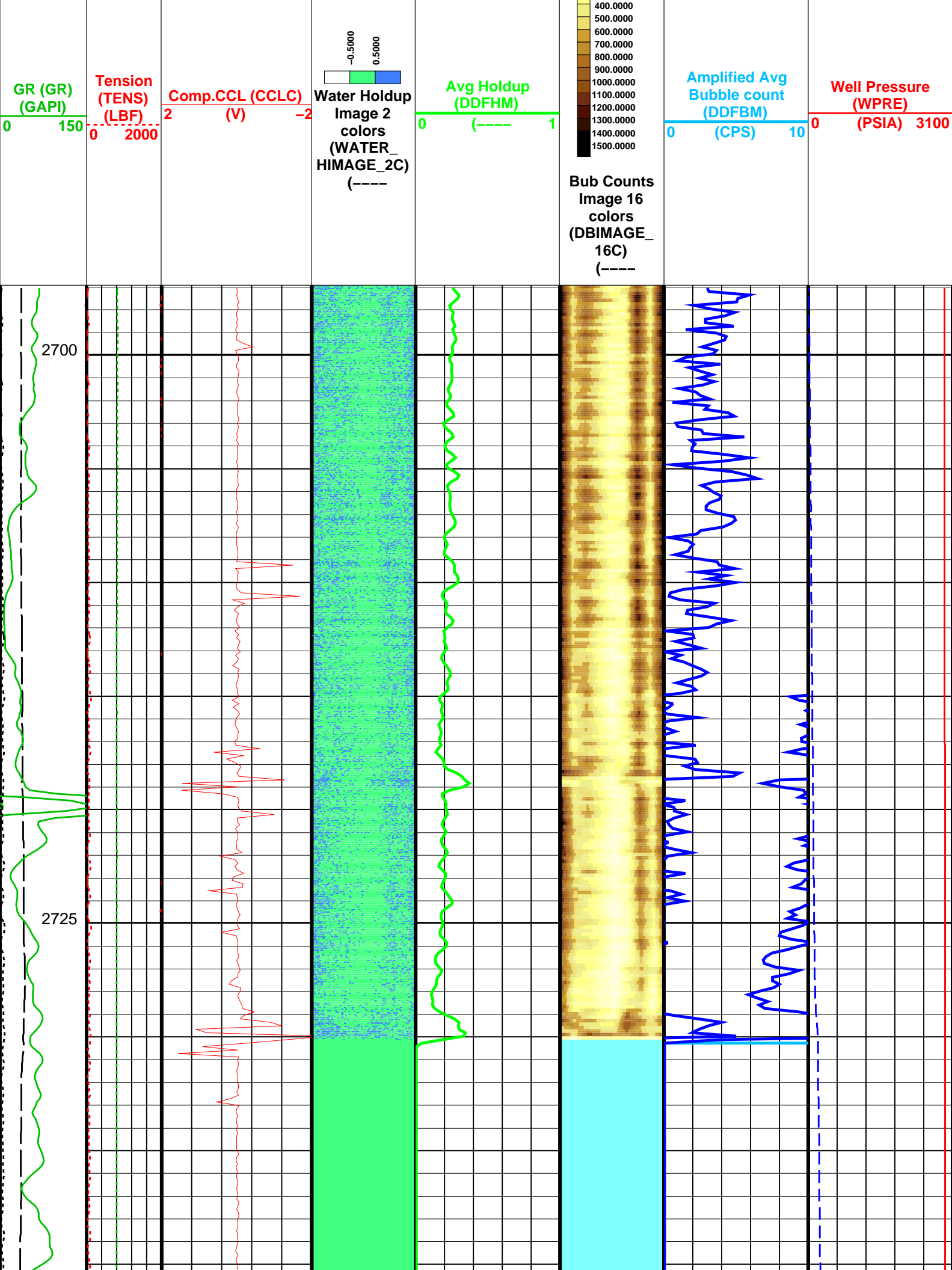
<div>GR (GR) (GAPI)</div> <div>0150</div>		<div>Comp.CCL (CCLC) (V)</div> <div>2(V)-2</div>		<div>Water Holdup Image 2 colors (WATER HIMAGE 2C) (----)</div> <div>-0.50000.5000</div>		<div>PFCS Computed Holdup (DFCHM)</div> <div>0(----)1</div>		<div>Amplified Avg Bubble count (DDFBM) (CPS)</div> <div>010</div>		<div>Amplified Pressure (WPRE) (PSIA)</div> <div>050</div>		<div>Manometer Well Fluid Density (MWFD) (G/C3)</div> <div>02</div>	
<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</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) (F/HR) 2000</div> <div>02000</div>		<div>Amplified Temperature (WTEP) (DEGF)</div> <div>02</div>		<div>Tension (TENS) (LBF) 2000</div> <div>02000</div>			
<div>Tension (TENS) (LBF)</div> <div>02000</div>		<div>PFCS Caliper Y (PFC2) (IN)</div> <div>8(---)3</div>		<div>Filtered Water Holdup (FHM)</div> <div>0(----)1</div>		<div>Avg BUB count (DDFBM) (CPS)</div> <div>0500</div>		<div>Well Pressure (WPRE) (PSIA)</div> <div>03100</div>					
		<div>Well Diameter From PFC1 to PFC2_T1</div>		<div>PFCS Fluid Resistivity (DRES) (OHMM)</div> <div>0360</div>		<div>Filtered Bubble Count (FBM) (CPS)</div> <div>0500</div>		<div>Well Temperature (WTEP) (DEGF)</div> <div>240246</div>					
		<div>Well Diameter From PFC2 to PFC2_T1</div>				<div>PFCS Spinner (SPIN) (RPS)</div> <div>-1010</div>							
		<div>Pipe Ovalisation Between PFC1 and PFC2</div>											

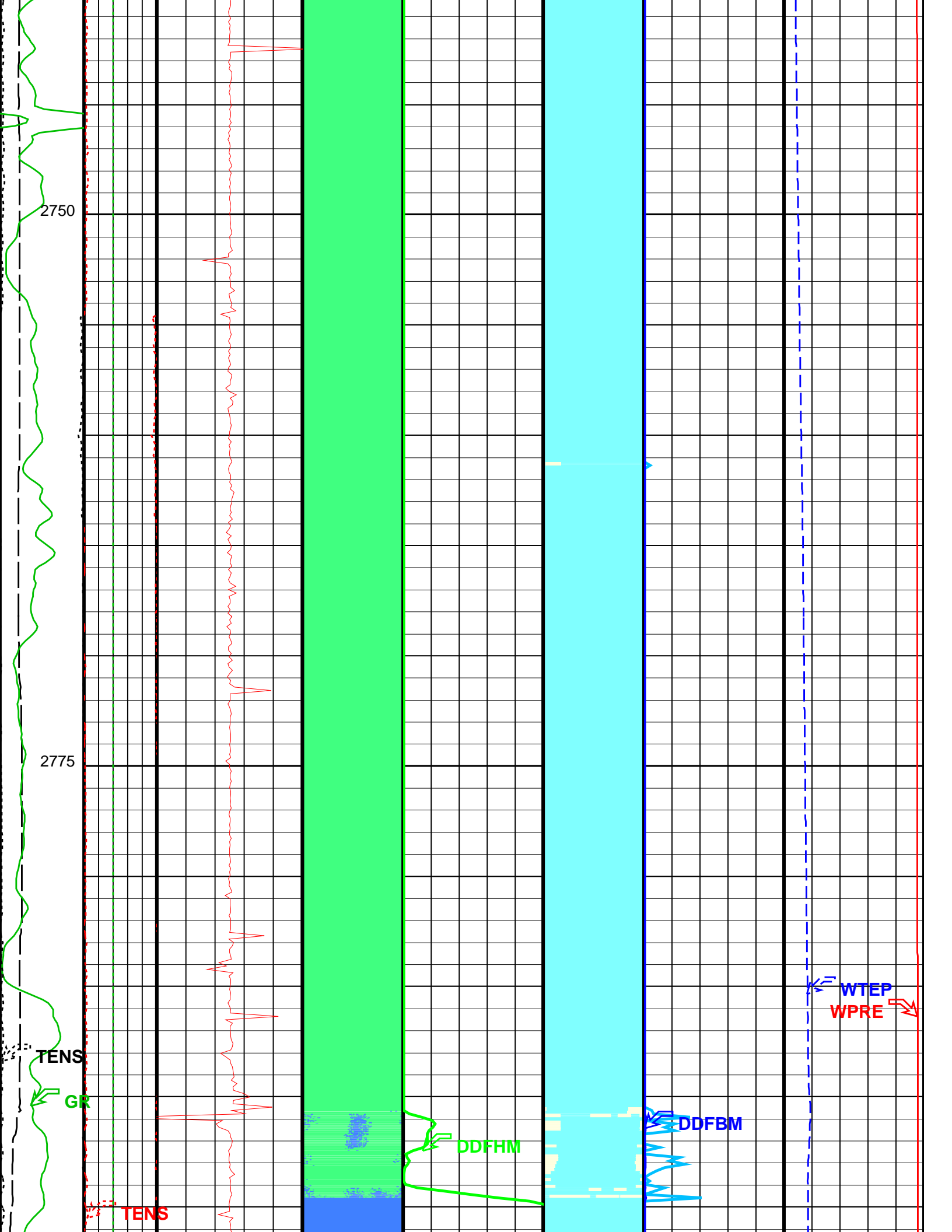
Format: PFCS\_Image\_DL    Vertical Scale: 1:200    Graphics File Created: 12-May-2006 16:12

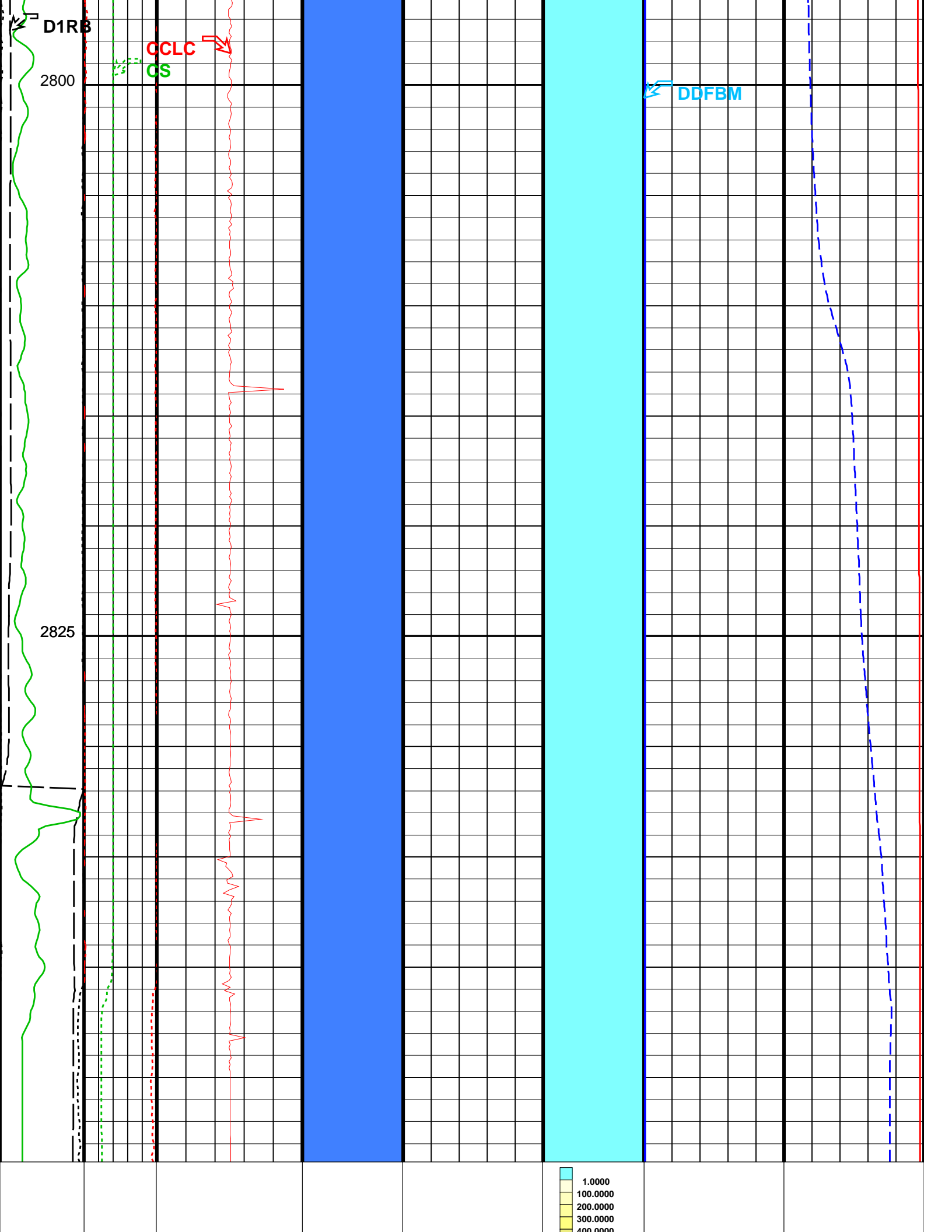
OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	DEFT-C2	14C0-302
CFS-X	14C0-302	PSPT-A/B	14C0-302

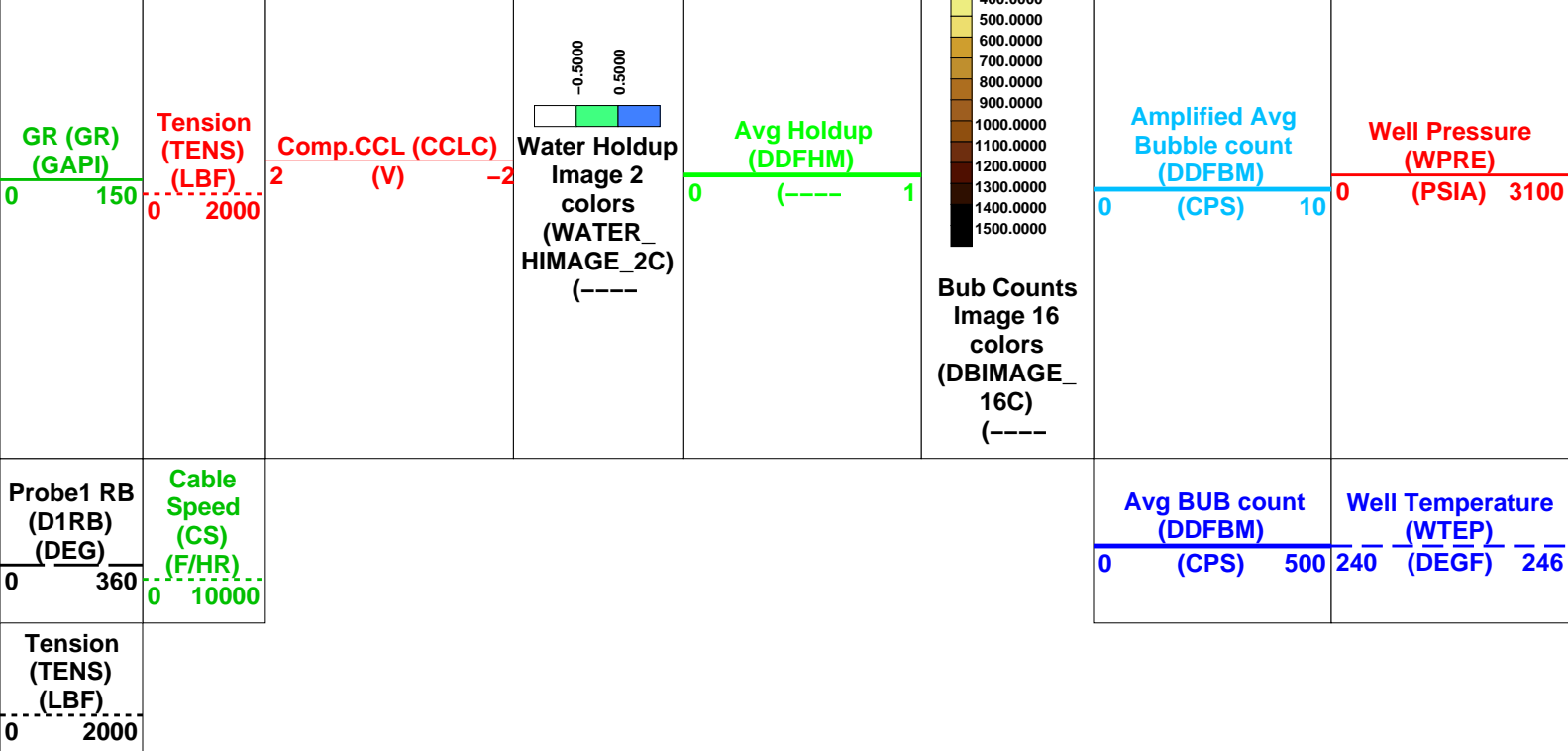
Parameters		
DLIS Name	Description	Value
PFCS-A:	PSP Flow and caliper Tool	
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	3.5 IN











Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 12-May-2006 16:12

OP System Version: 14C0-302  
MCM

PFCS-A  
CFS-X

14C0-302  
14C0-302

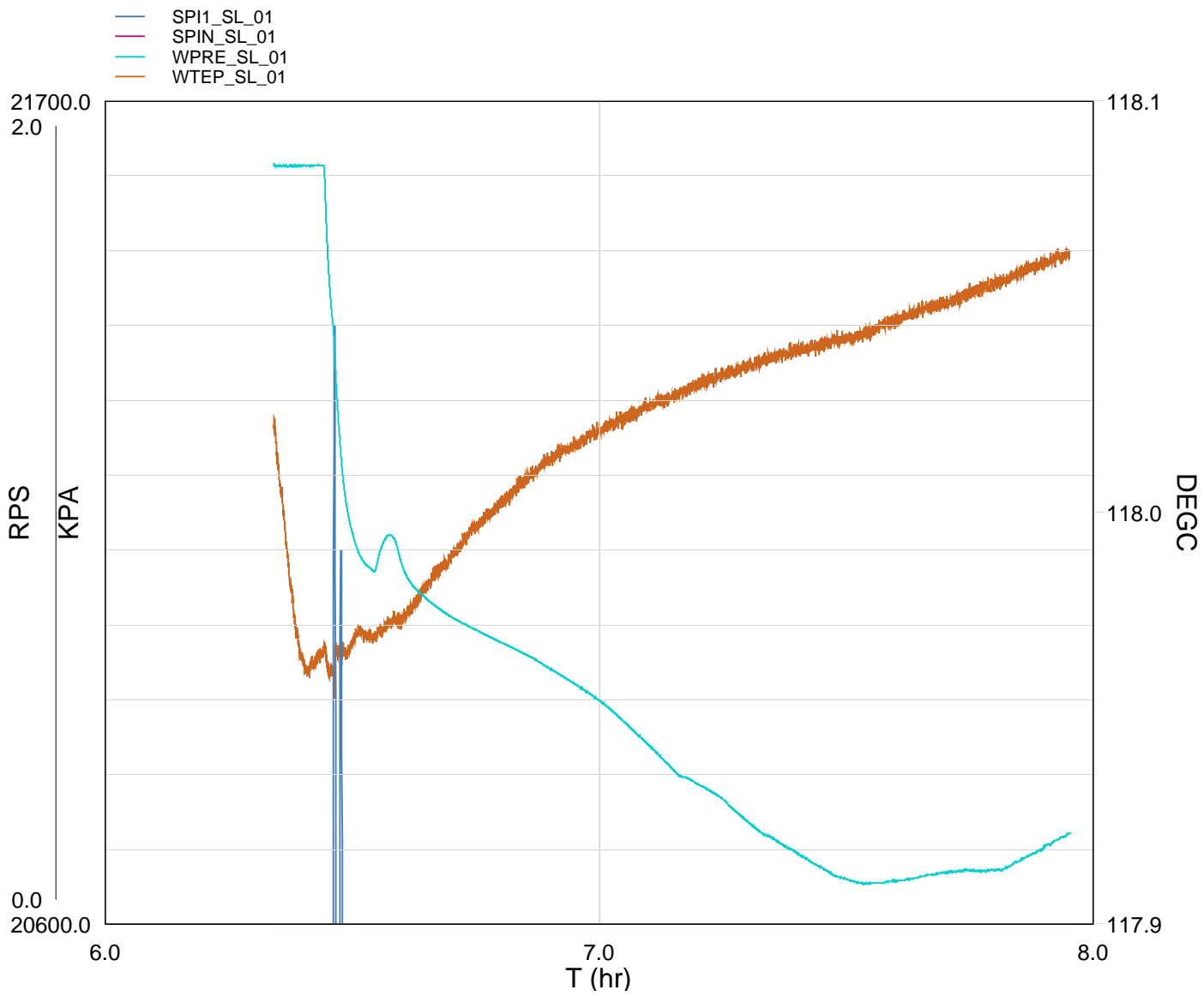
DEFT-C2  
PSPT-A/B

14C0-302  
14C0-302

Parameters		
DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
CSID	Casing Size I.D.	3.5 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	3.5 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
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	3.5 IN
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	3.5 IN
System and Miscellaneous		
DO	Depth Offset for Playback	-1.0 M
PP	Playback Processing	RECOMPUTE

Input DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_015LUP	FN:14	PRODUCER	12-May-2006 07:58	2849.9 M	2697.5 M
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_028PUP	FN:24	PRODUCER	12-May-2006 16:12		

MAXIS Field Log



TIME	SPIN	SPI1	DEGF	PSIA
1140.0	0.0000	0.0000	244.4209	3134.8621
1200.0	0.0000	0.0000	244.3901	3134.7120
1260.0	0.0000	0.0000	244.3549	3134.7745
1320.0	0.0000	0.0000	244.3351	3134.7936
1380.0	0.0000	0.0000	244.3309	3134.7603
1440.0	0.0000	0.0000	244.3367	3134.8772
1500.0	0.0000	0.0000	244.3380	3121.9728
1560.0	-0.1848	1.4533	244.3315	3097.3027
1620.0	0.0000	0.0000	244.3429	3074.0602
1680.0	0.0000	0.0000	244.3415	3064.3515
1740.0	0.0000	0.0000	244.3477	3059.3674



1800.0	0.0000	0.0000	244.3447	3057.1801
1860.0	0.0000	0.0000	244.3442	3056.8685
1920.0	0.0000	0.0000	244.3509	3062.1367
1980.0	0.0000	0.0000	244.3514	3062.9336
2040.0	0.0000	0.0000	244.3534	3058.2101
2100.0	0.0000	0.0000	244.3565	3054.4108
2160.0	0.0000	0.0000	244.3622	3052.4742
2220.0	0.0000	0.0000	244.3691	3051.0062
2280.0	0.0000	0.0000	244.3709	3049.7003
2340.0	0.0000	0.0000	244.3772	3048.5304
2400.0	0.0000	0.0000	244.3793	3047.4719
2460.0	0.0000	0.0000	244.3834	3046.5516
2520.0	0.0000	0.0000	244.3882	3045.7349
2580.0	0.0000	0.0000	244.3920	3044.9159
2640.0	0.0000	0.0000	244.3959	3044.1103
2700.0	0.0000	0.0000	244.4000	3043.2704
2760.0	0.0000	0.0000	244.4032	3042.5162
2820.0	0.0000	0.0000	244.4058	3041.8092
2880.0	0.0000	0.0000	244.4110	3040.9988
2940.0	0.0000	0.0000	244.4113	3040.2087
3000.0	0.0000	0.0000	244.4169	3039.3819
3060.0	0.0000	0.0000	244.4207	3038.3805
3120.0	0.0000	0.0000	244.4234	3037.4122
3180.0	0.0000	0.0000	244.4253	3036.4748
3240.0	0.0000	0.0000	244.4287	3035.5267
3300.0	0.0000	0.0000	244.4296	3034.4903
3360.0	0.0000	0.0000	244.4333	3033.4239
3420.0	0.0000	0.0000	244.4342	3032.3909
3480.0	0.0000	0.0000	244.4361	3031.2812
3540.0	0.0000	0.0000	244.4385	3030.0207
3600.0	0.0000	0.0000	244.4386	3028.6685
3660.0	0.0000	0.0000	244.4392	3027.1929
3720.0	0.0000	0.0000	244.4409	3025.6675
3780.0	0.0000	0.0000	244.4441	3024.1719
3840.0	0.0000	0.0000	244.4478	3022.6146
3900.0	0.0000	0.0000	244.4490	3021.1532
3960.0	0.0000	0.0000	244.4458	3019.5086
4020.0	0.0000	0.0000	244.4510	3017.8949
4080.0	0.0000	0.0000	244.4526	3016.4354
4140.0	0.0000	0.0000	244.4537	3015.9783
4200.0	0.0000	0.0000	244.4558	3014.9528
4260.0	0.0000	0.0000	244.4576	3014.1798
4320.0	0.0000	0.0000	244.4555	3013.2094
4380.0	0.0000	0.0000	244.4621	3012.1975
4440.0	0.0000	0.0000	244.4623	3010.6350
4500.0	0.0000	0.0000	244.4632	3009.1896
4560.0	0.0000	0.0000	244.4633	3007.8654
4620.0	0.0000	0.0000	244.4652	3006.5469
4680.0	0.0000	0.0000	244.4671	3005.3082
4740.0	0.0000	0.0000	244.4688	3004.5452
4800.0	0.0000	0.0000	244.4717	3003.4820
4860.0	0.0000	0.0000	244.4707	3002.5589
4920.0	0.0000	0.0000	244.4700	3001.6842
4980.0	0.0000	0.0000	244.4716	3000.7163
5040.0	0.0000	0.0000	244.4735	2999.7247
5100.0	0.0000	0.0000	244.4761	2998.8849
5160.0	0.0000	0.0000	244.4745	2997.8962
5220.0	0.0000	0.0000	244.4743	2997.0180
5280.0	0.0000	0.0000	244.4757	2996.5875
5340.0	0.0000	0.0000	244.4756	2996.0914
5400.0	0.0000	0.0000	244.4766	2995.6707
5460.0	0.0000	0.0000	244.4755	2995.7312

5460.0	0.0000	0.0000	244.4755	2995.7219
5520.0	0.0000	0.0000	244.4819	2995.6827
5580.0	0.0000	0.0000	244.4833	2995.9515
5640.0	0.0000	0.0000	244.4805	2996.1216
5700.0	0.0000	0.0000	244.4886	2996.2374
5760.0	0.0000	0.0000	244.4866	2996.6327
5820.0	0.0000	0.0000	244.4896	2996.8807
5880.0	0.0000	0.0000	244.4875	2997.3473
5940.0	0.0000	0.0000	244.4906	2997.3967
6000.0	0.0000	0.0000	244.4909	2997.7074
6060.0	0.0000	0.0000	244.4914	2997.8667
6120.0	0.0000	0.0000	244.4937	2998.0647
6180.0	0.0000	0.0000	244.4971	2998.1189
6240.0	0.0000	0.0000	244.4970	2998.1666
6300.0	0.0000	0.0000	244.4989	2998.0483
6360.0	0.0000	0.0000	244.5006	2998.2540
6420.0	0.0000	0.0000	244.4995	2998.2183
6480.0	0.0000	0.0000	244.5006	2999.0222
6540.0	0.0000	0.0000	244.5042	2999.9356
6600.0	0.0000	0.0000	244.5046	3000.8202
6660.0	0.0000	0.0000	244.5042	3001.5583
6720.0	0.0000	0.0000	244.5077	3002.3646
6780.0	0.0000	0.0000	244.5110	3003.2284
6840.0	0.0000	0.0000	244.5134	3004.2992
6900.0	0.0000	0.0000	244.5148	3005.2516

**Schlumberger**

PFCS Log Down at 10m/min  
2850m to 2715m MDKB – Shut In

MAXIS Field Log

**Schlumberger**

PLT / Dual DEFT  
Correlation Pass

MAXIS Field Log

Company: Esso Australia Ltd

Well: BMA A-10a

### Input DLIS Files

DEFAULT	FCS_DEFT_CFS_PSP_009LUP	FN:8	PRODUCER	12-May-2006 05:33	2855.8 M	2793.5 M
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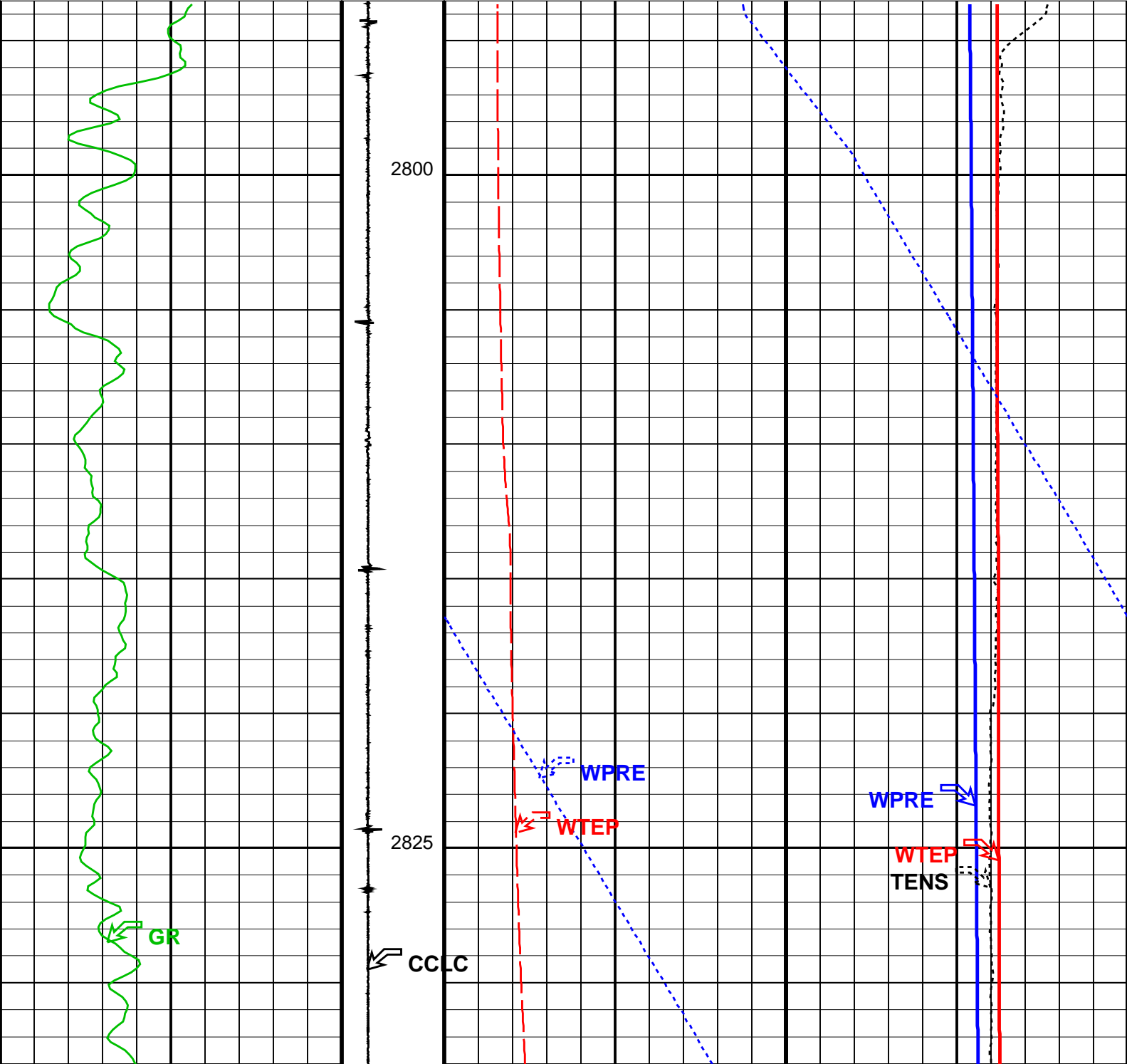
### Output DLIS Files

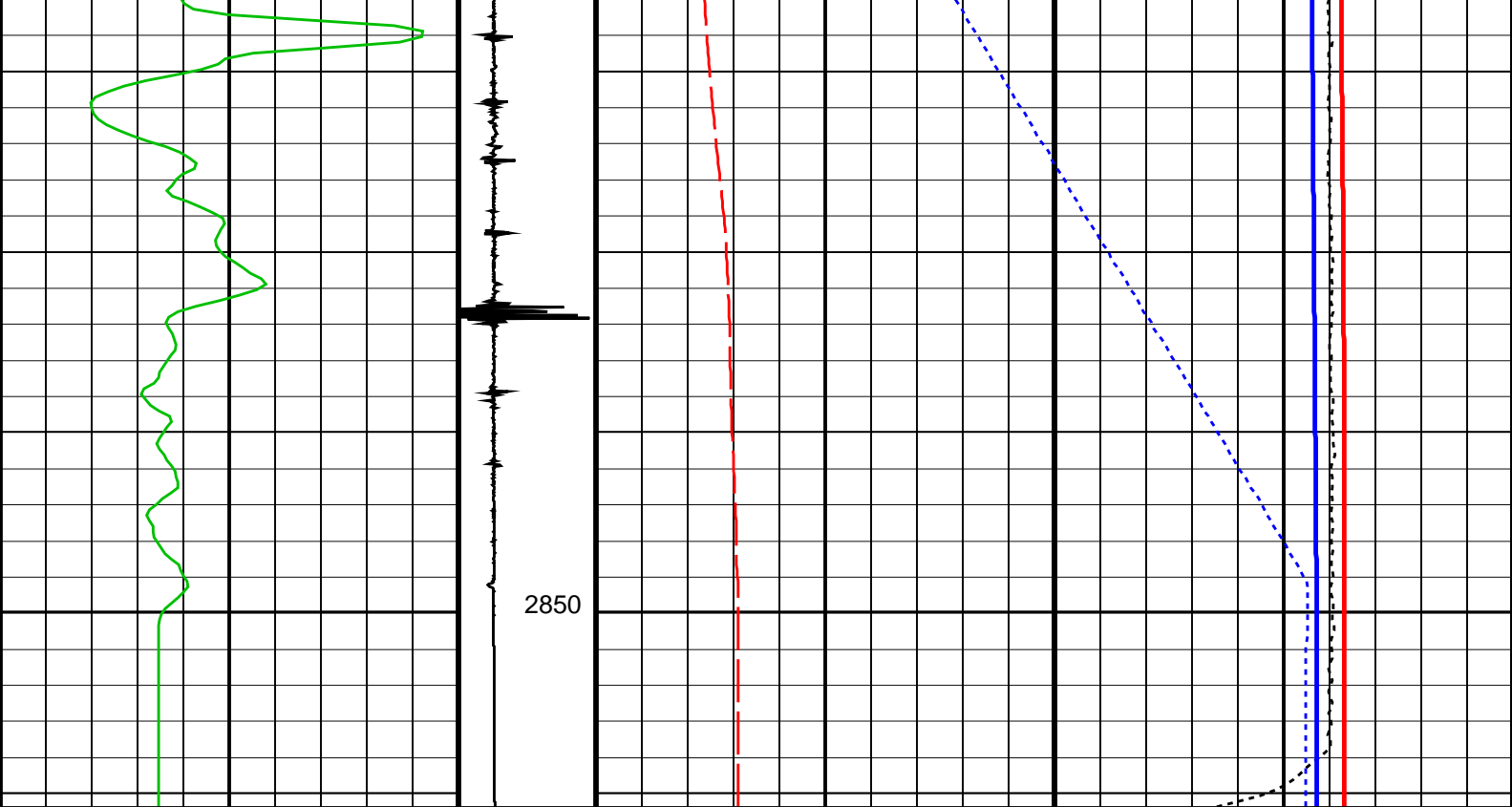
DEFAULT	FCS_DEFT_CFS_PSP_010PUP	FN:9	PRODUCER	12-May-2006 05:48	2855.4 M	2793.5 M
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OP System Version: 14C0-302

MCM

		Tension (TENS) (LBF)	
		0	3000
		Well Pressure (WPRE)	
		0	4000
		Amplified Well Pressure (WPRE)	
		0	50
		Well Temperature (WTEP)	
		0	30
		Well Temperature (WTEP)	
		0	300
Gamma Ray (GR) (GAPI)		Computed CCL (CCLC) (V)	
0	150	1	-3





Gamma Ray (GR) (GAPI)		0	150
Computed CCL (CCLC)		1	-3
Well Temperature (WTEP)		0	300
(DEGF)			
Well Temperature (WTEP)		0	30
(DEGF)			
Amplified Well Pressure (WPRES)		0	50
(PSIA)			
Well Pressure (WPRES)		0	4000
(PSIA)			
Tension (TENS)		0	3000
(LBF)			

Parameters						
DLIS Name		Description			Value	
System and Miscellaneous						
DO		Depth Offset for Playback			-0.5	M
PP		Playback Processing			NORMAL	
Format: CORRELATION		Vertical Scale: 1:200		Graphics File Created: 12-May-2006 05:48		
OP System Version: 14C0-302						
MCM						
PFCS-A	14C0-302		DEFT-C2	14C0-302		
CFS-X	14C0-302		PSPT-A/B	14C0-302		
Input DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_009LUP	FN:8	PRODUCER	12-May-2006 05:33	2855.8 M	2793.5 M
Output DLIS Files						
DEFAULT	FCS_DEFT_CFS_PSP_010PUP	FN:9	PRODUCER	12-May-2006 05:48		

# Input DLIS Files

DEFAULT Flip\_FCS\_DEFT\_CFS\_041PUP PRODUCER 13-May-2006 06:36 2854.8 M 2701.0 M

# Output DLIS Files

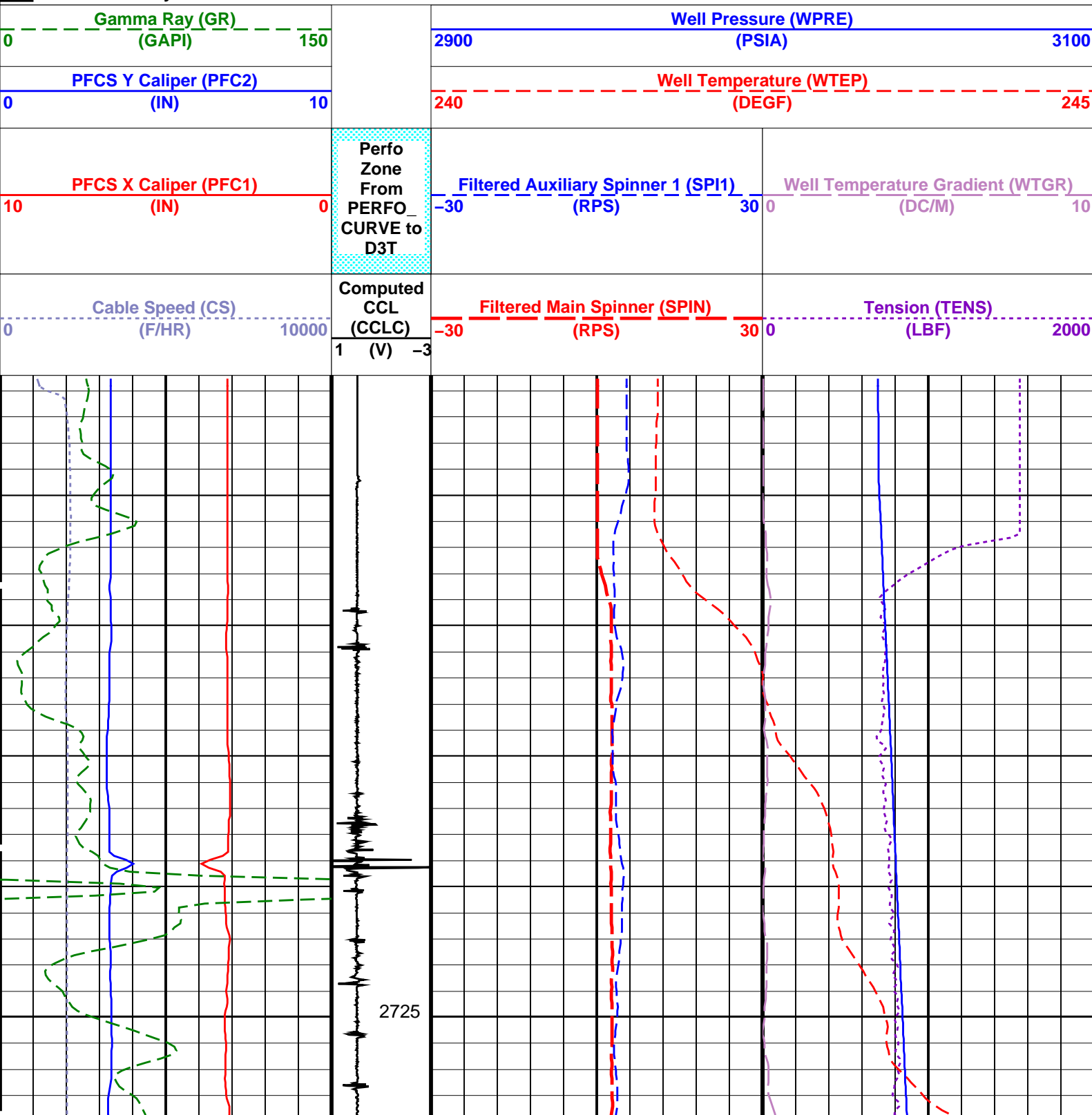
DEFAULT FCS\_DEFT\_CFS\_PSP\_043PUP FN:38 PRODUCER 13-May-2006 06:51 2853.7 M 2700.4 M

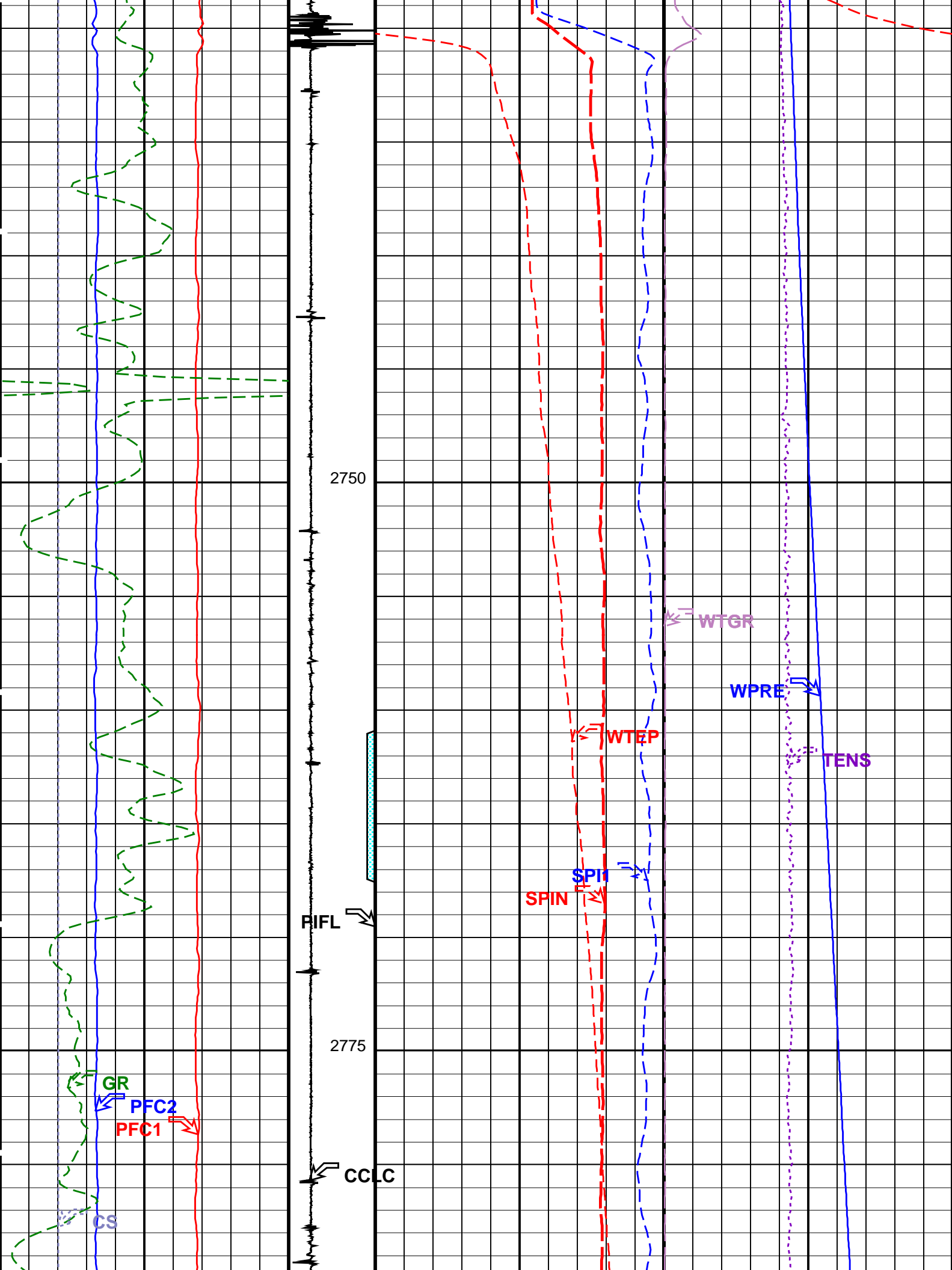
OP System Version: 14C0-302  
MCM

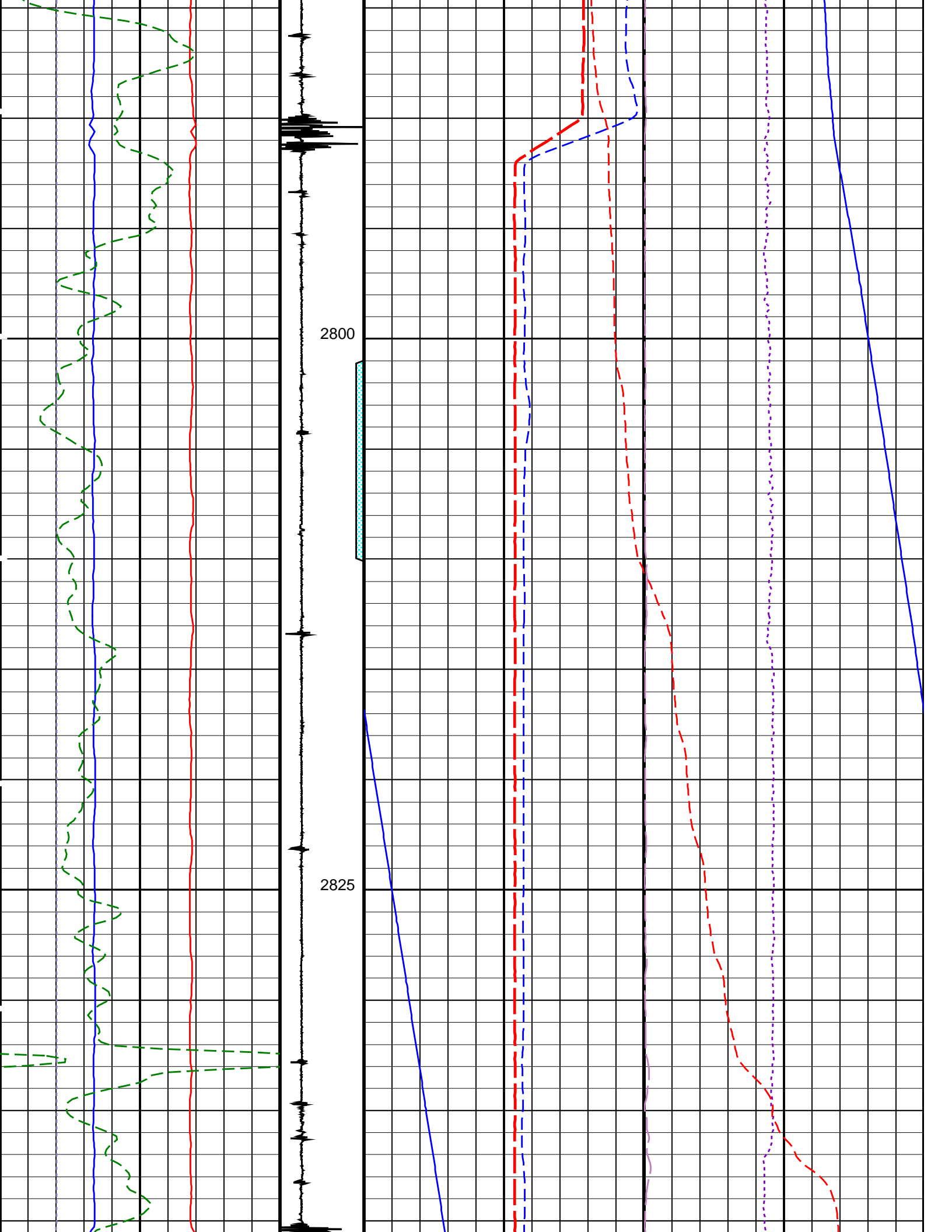
PFCS-A 14C0-302 DEFT-C2 14C0-302  
CFS-X 14C0-302 PSPT-A/B 14C0-302

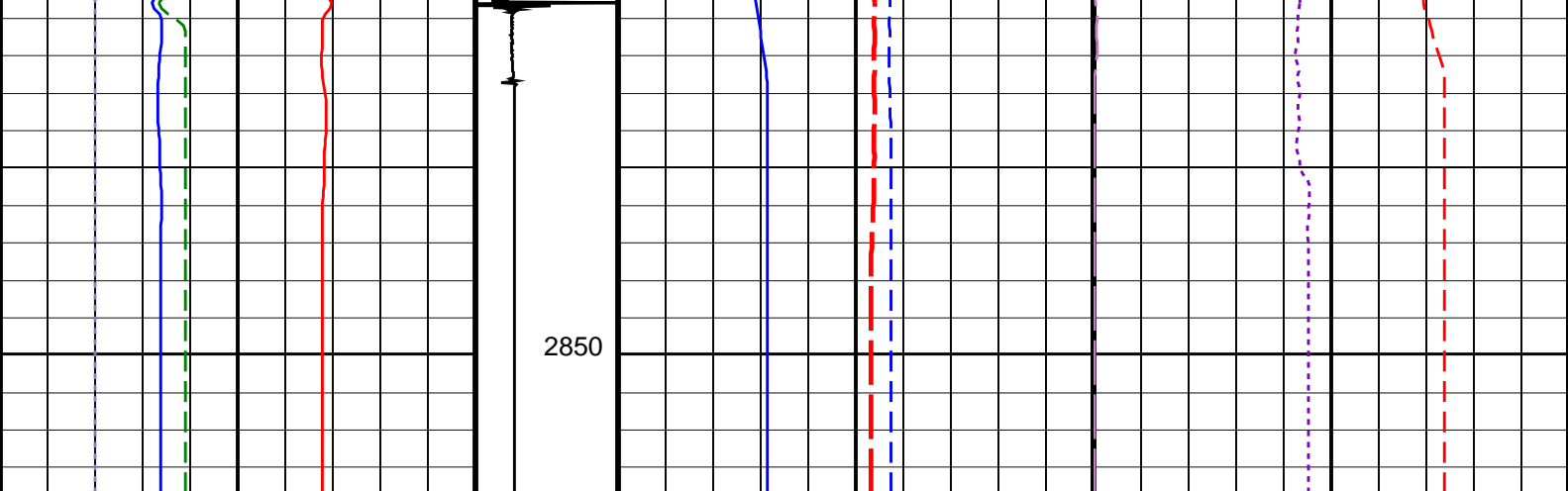
## PIP SUMMARY

Time Mark Every 60 S









Cable Speed (CS) (F/HR)	Computed CCL (CCLC) (V)	Filtered Main Spinner (SPIN) (RPS)	Tension (TENS) (LBF)
010000	1-3	-3030	02000
PFCS X Caliper (PFC1) (IN)	Perfo Zone From PERFO CURVE to D3T	Filtered Auxiliary Spinner 1 (SPI1) (RPS)	Well Temperature Gradient (WTGR) (DC/M)
100		-3030	010
PFCS Y Caliper (PFC2) (IN)		Well Temperature (WTEP) (DEGF)	
010		240245	
Gamma Ray (GR) (GAPI)		Well Pressure (WPRES) (PSIA)	
0150		29003100	

PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 13-May-2006 06:51

OP System Version: 14C0-302  
MCM

PFCS-A	14C0-302	DEFT-C2	14C0-302
CFS-X	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	CFS-X
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
CFS-X: PSP Continuous Flowmeter Sonde type X		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	CFS-X
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
System and Miscellaneous		
DO	Depth Offset for Playback	-1.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	Flip_FCS_DEFT_CFS_041PUP	PRODUCER	13-May-2006 06:36	2854.8 M	2701.0 M
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Output DLIS Files

DEFAULT	FCS_DEFT_CFS_PSP_043PUP	FN:38	PRODUCER	13-May-2006 06:51
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# Input DLIS Files

DEFAULT Flip\_FCS\_DEFT\_CFS\_041PUP PRODUCER 13-May-2006 06:36 2854.8 M 2701.0 M

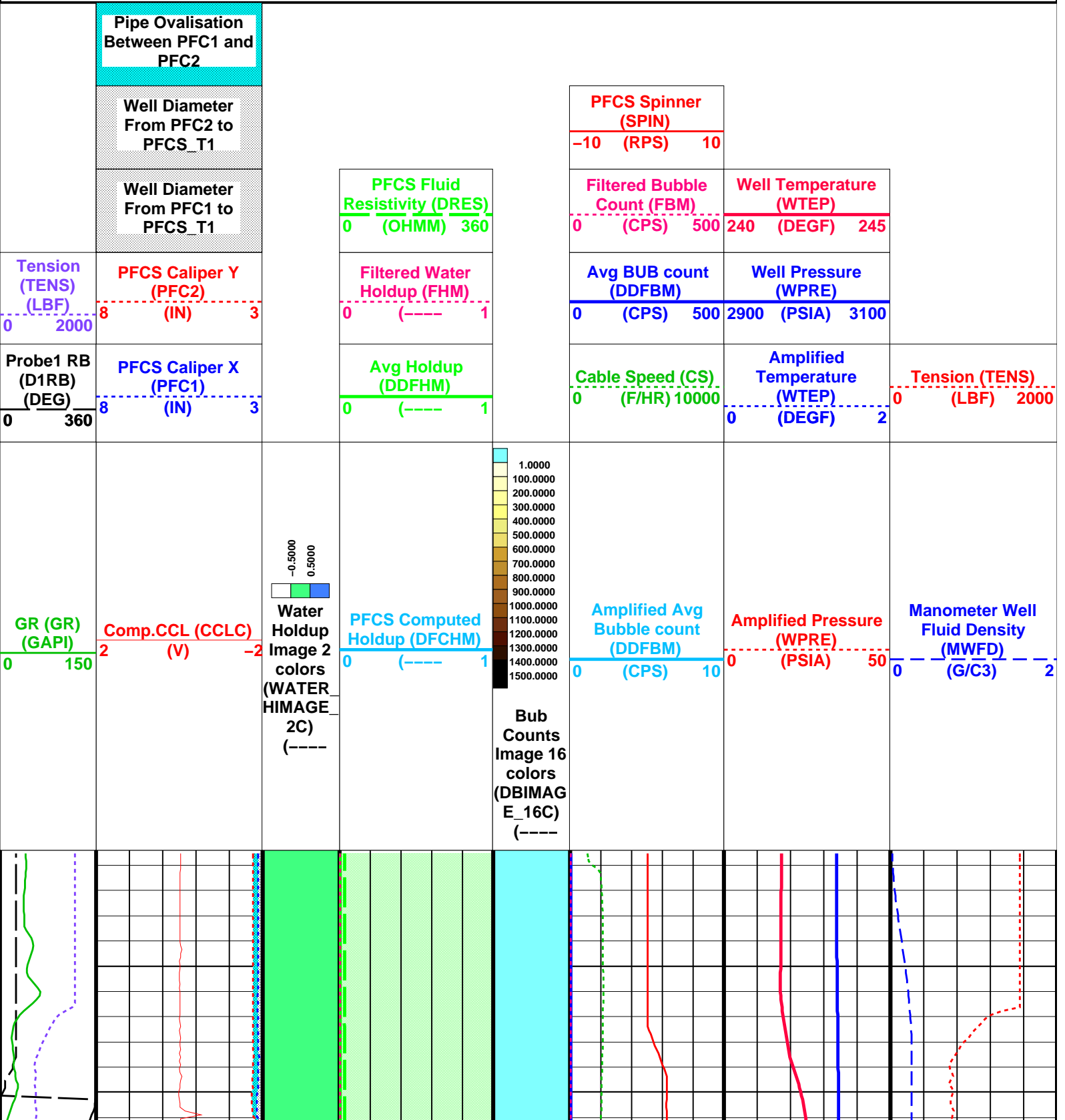
# Output DLIS Files

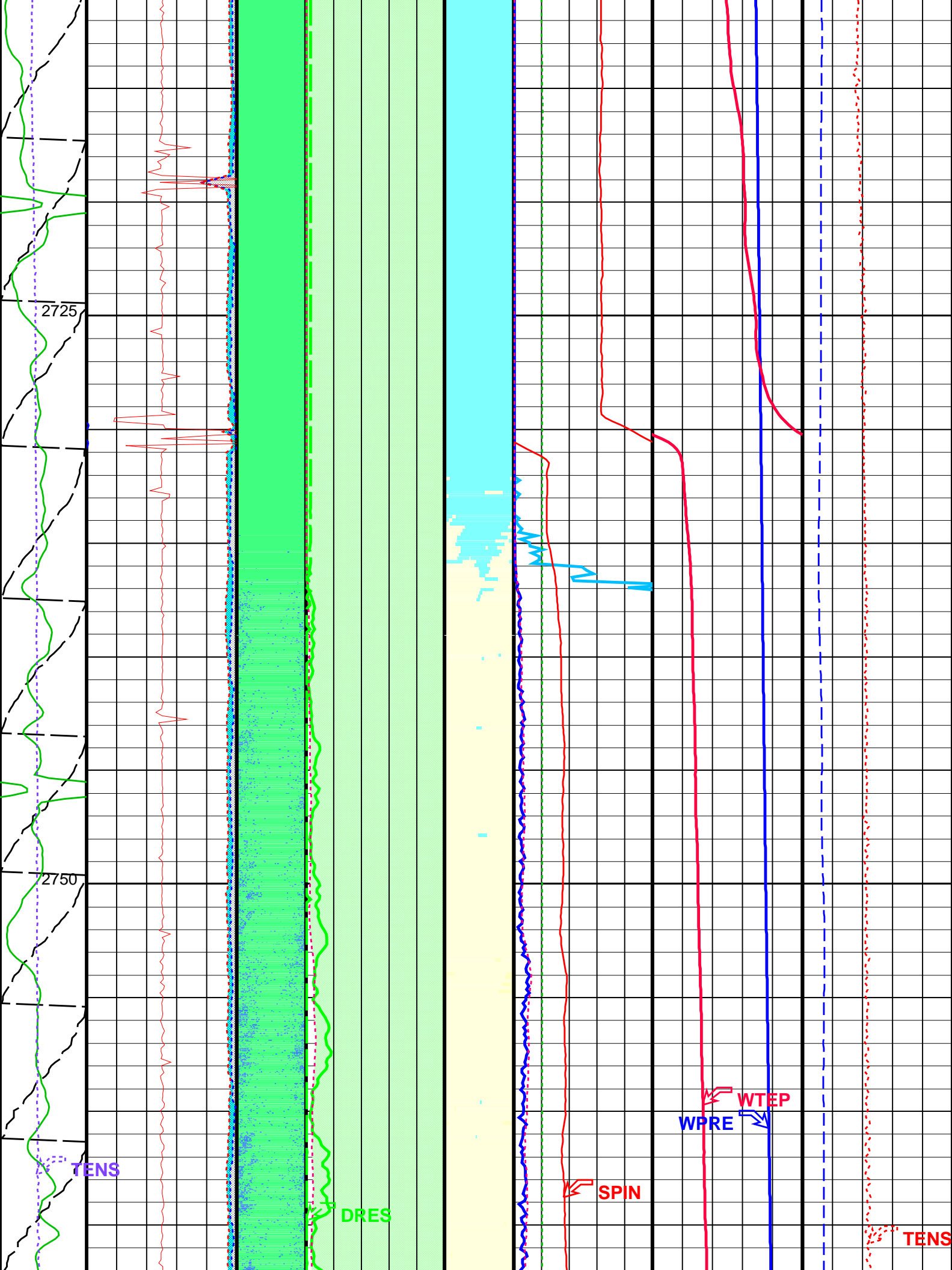
DEFAULT FCS\_DEFT\_CFS\_PSP\_043PUP FN:38 PRODUCER 13-May-2006 06:51 2853.7 M 2700.4 M

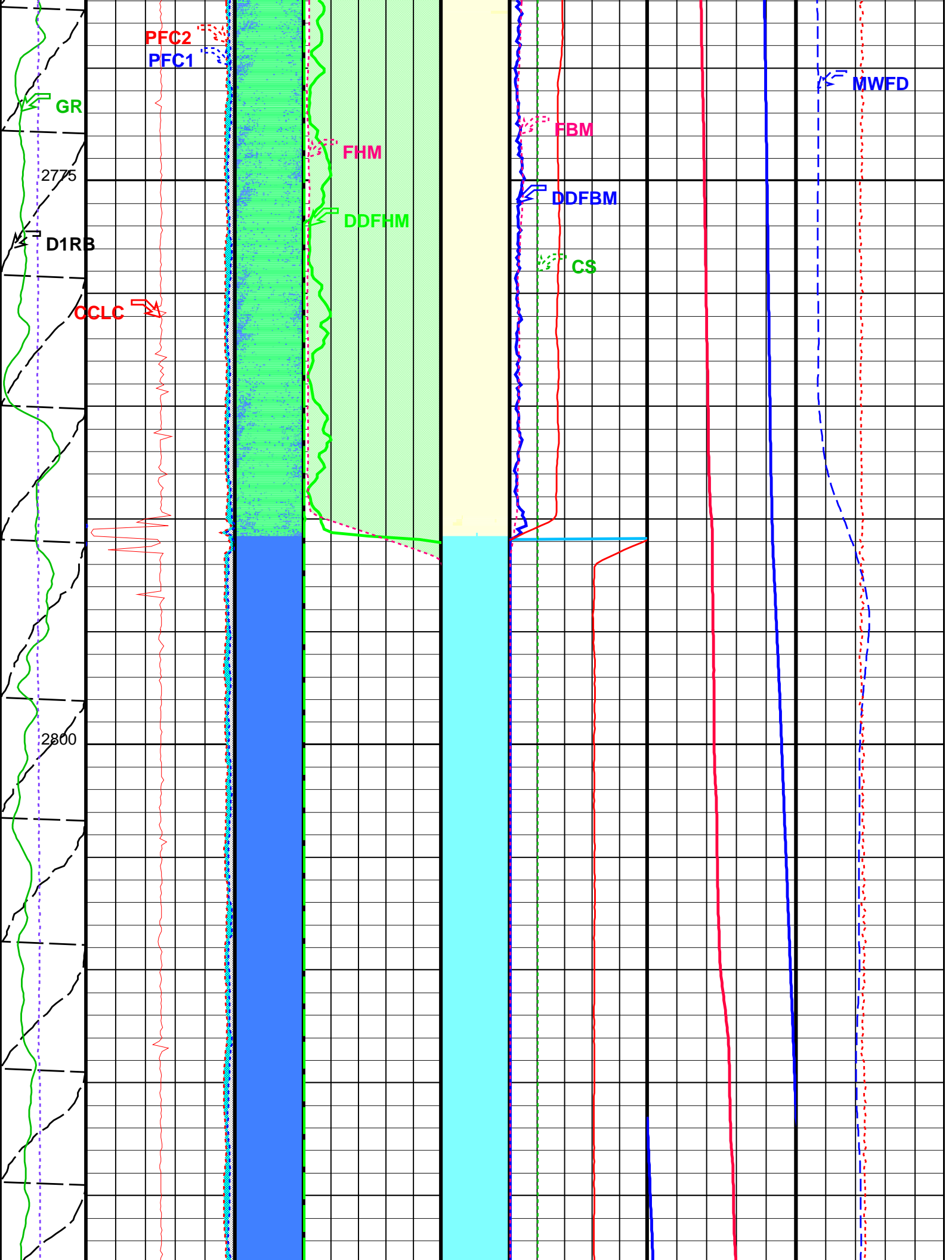
## OP System Version: 14C0-302

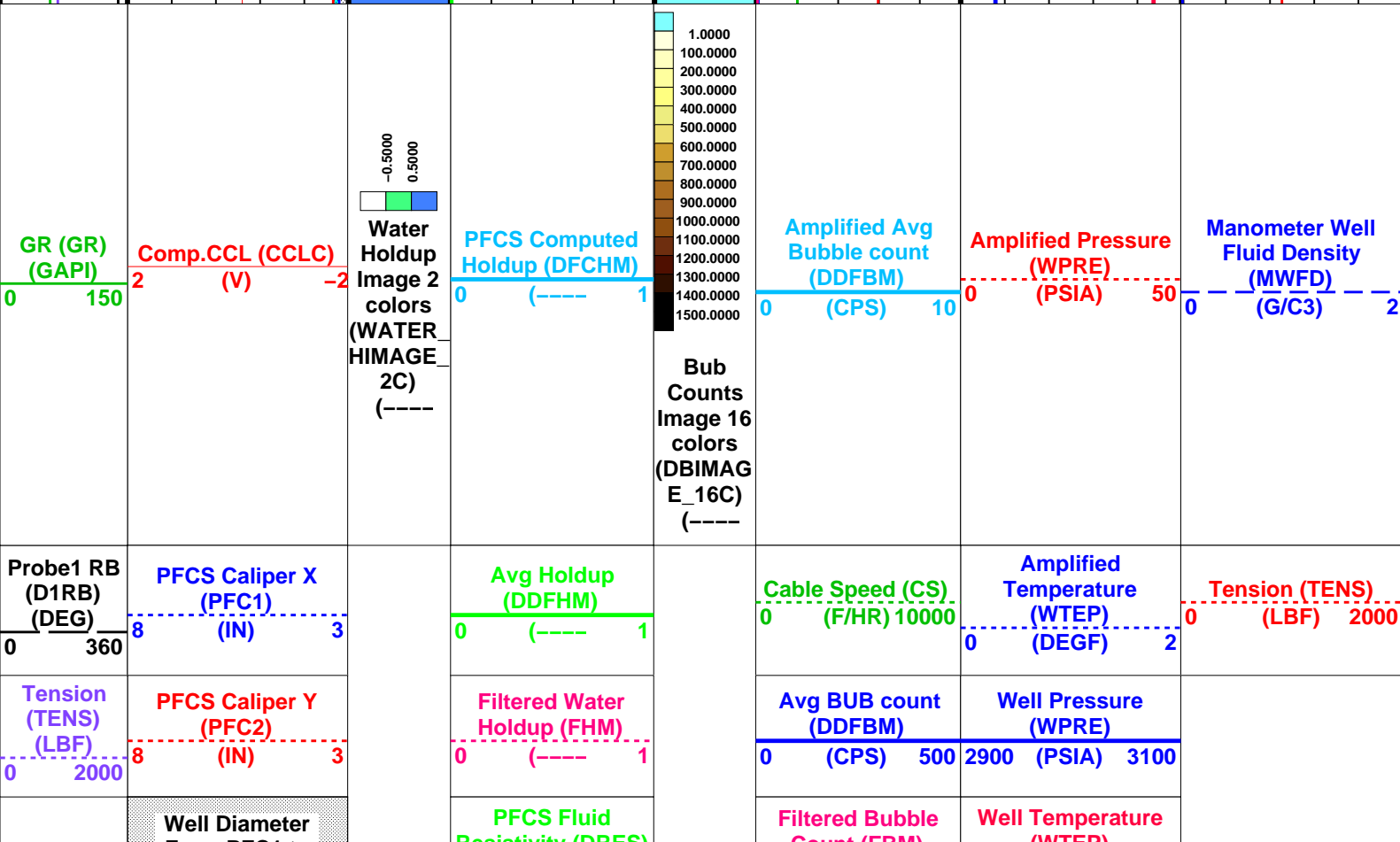
MCM

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









From PFC1 to PFC5_T1	Resistivity (DRS) 0 (OHMM) 360	Count (FBM) 0 (CPS) 500	(WTEF) 240 (DEGF) 245
Well Diameter From PFC2 to PFC5_T1		PFC5 Spinner (SPIN) -10 (RPS) 10	
Pipe Ovalisation Between PFC1 and PFC2			

Format: PFC5\_Image\_DL

Vertical Scale: 1:200

Graphics File Created: 13-May-2006 06:51

OP System Version: 14C0-302			
MCM			
PFC5-A	14C0-302	DEFT-C2	14C0-302
CFS-X	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.	3.5	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
PFGC	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	
SPIN	Main Spinner Flowmeter Sonde	PFC5-A_TURB	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	3.5	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)	D	
PFGC	PFC5 Geometrical coefficient	1200	
CFS-X: PSP Continous Flowmeter Sonde type X			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFC5-A_TURB	
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	3.5	IN
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	3.5	IN
System and Miscellaneous			
CSIZ	Current Casing Size	3.500	IN
DO	Depth Offset for Playback	-1.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_CFS_041PUP	PRODUCER	13-May-2006 06:36	2854.8 M	2701.0 M
Output DLIS Files					
DEFAULT	FCS_DEFT_CFS_PSP_043PUP	FN:38	PRODUCER	13-May-2006 06:51	

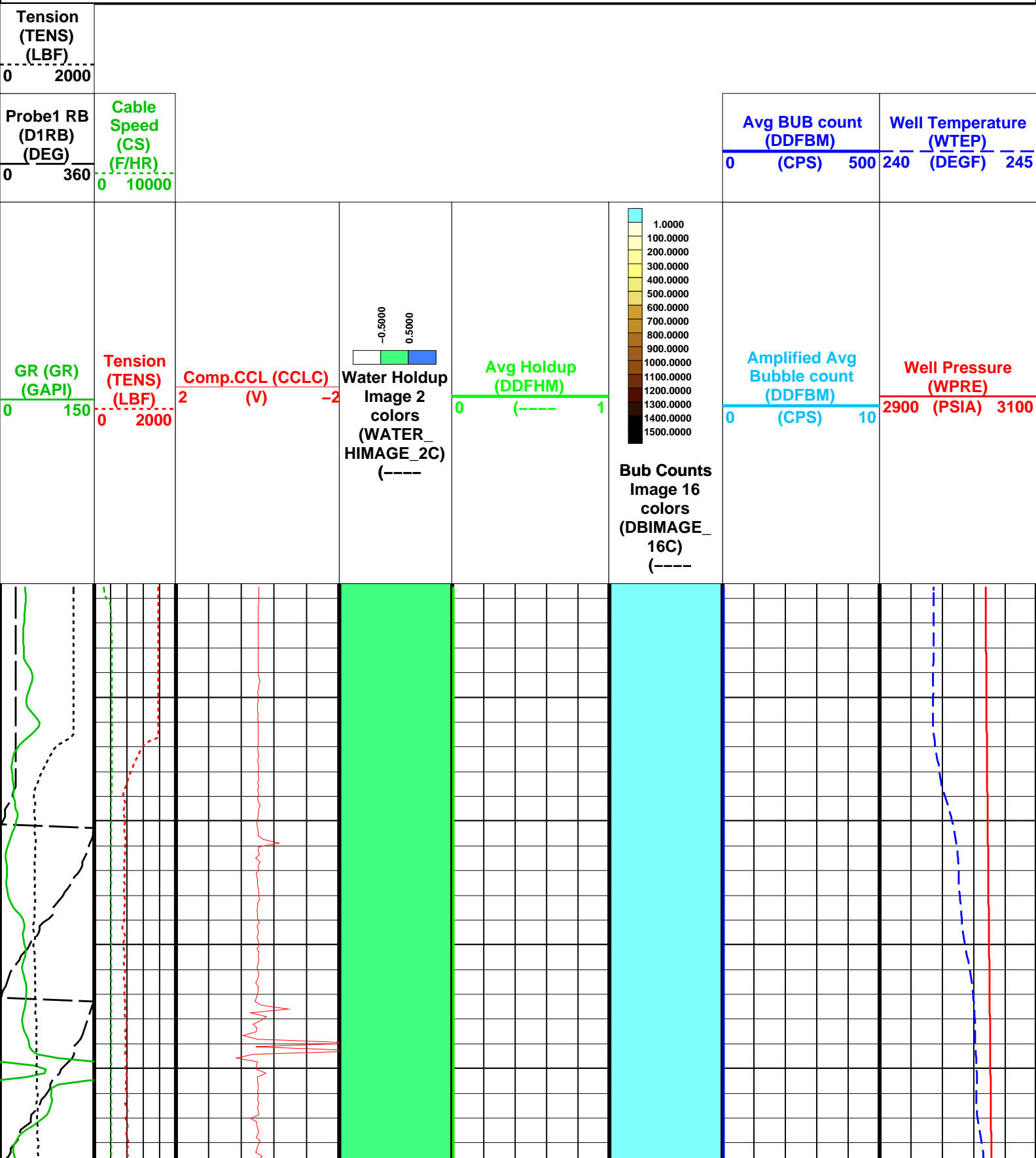
Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_CFS_041PUP	PRODUCER	13-May-2006 06:36	2854.8 M	2701.0 M

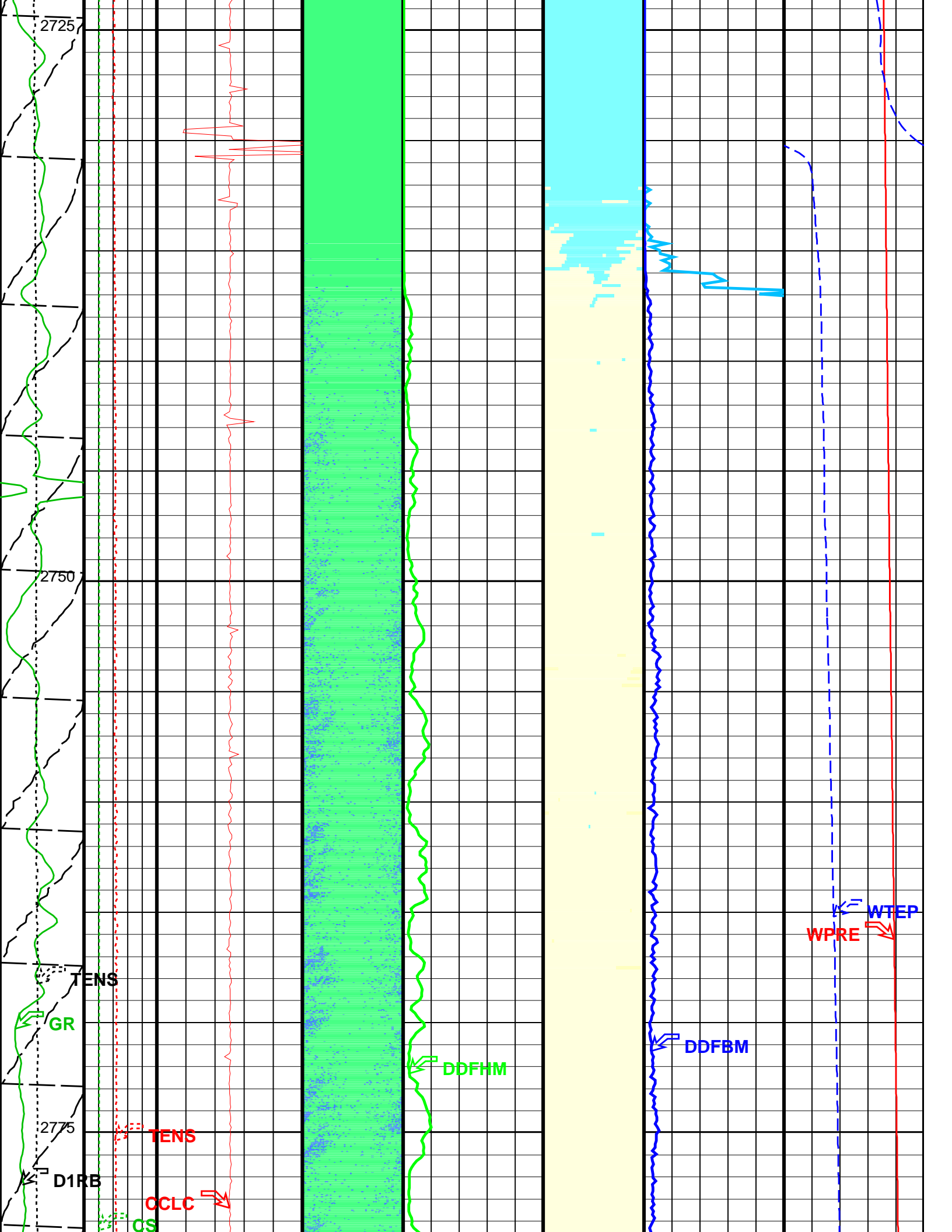
Output DLIS Files

DEFAULT FCS\_DEFT\_CFS\_PSP\_043PUP FN:38 PRODUCER 13-May-2006 06:51 2853.7 M 2700.4 M

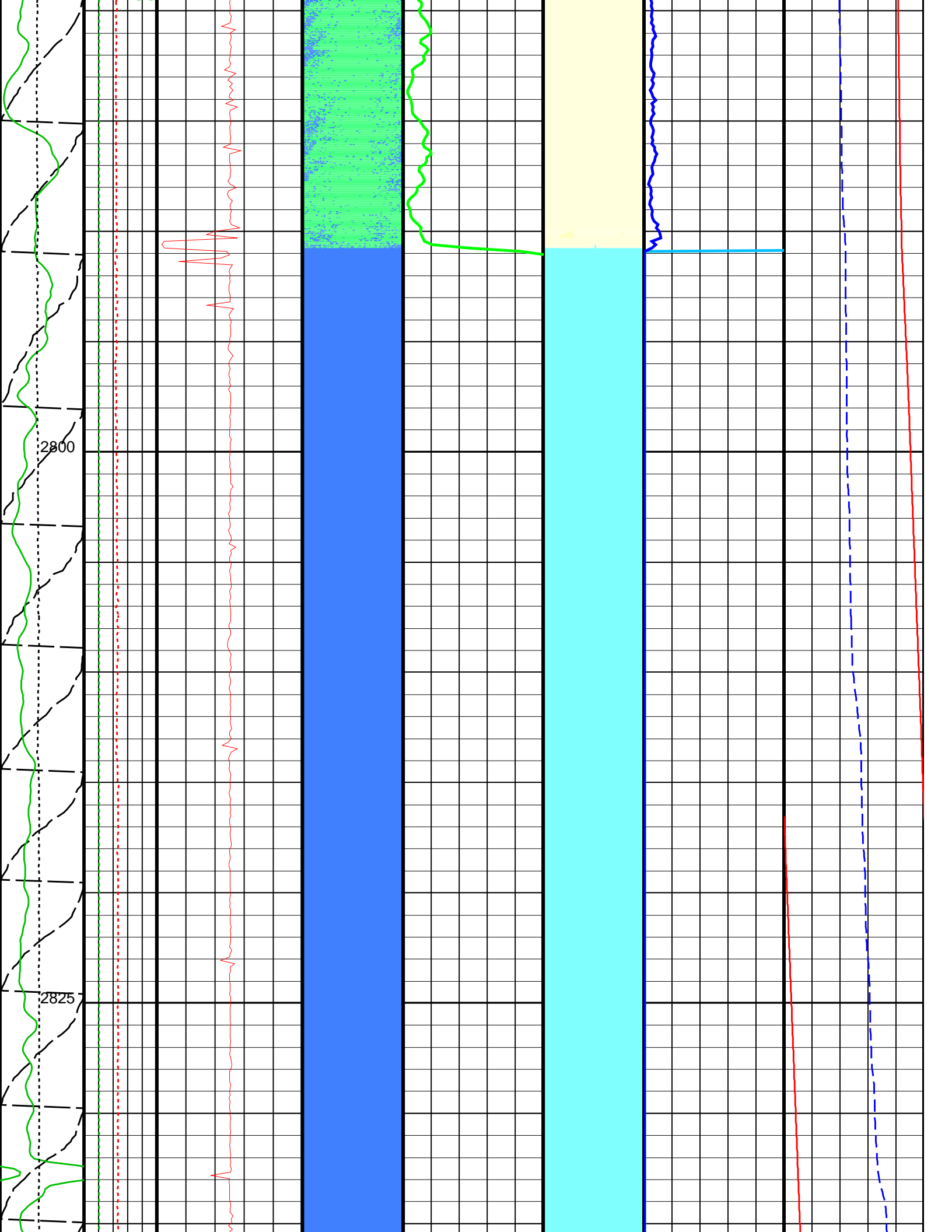
OP System Version: 14C0-302  
MCM

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

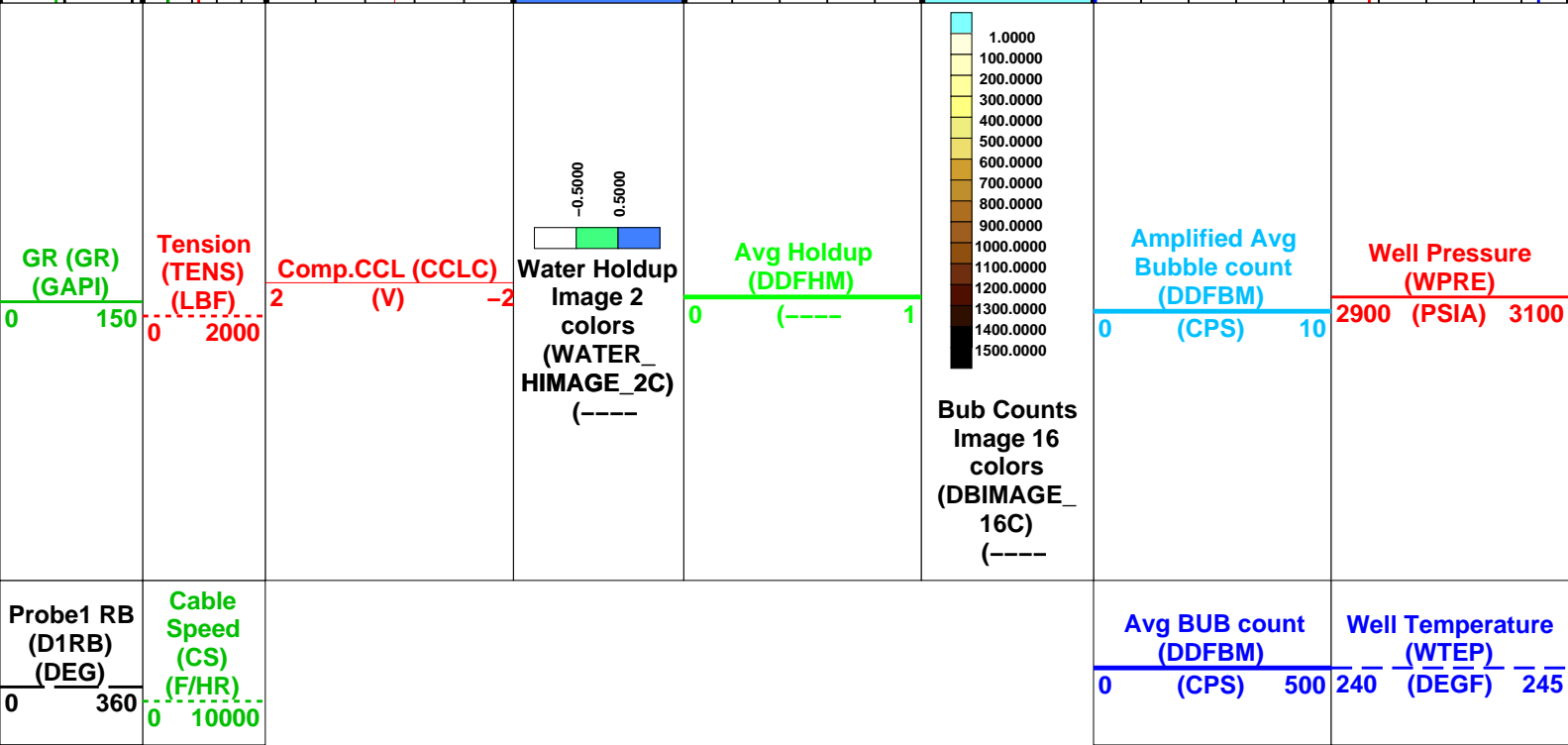
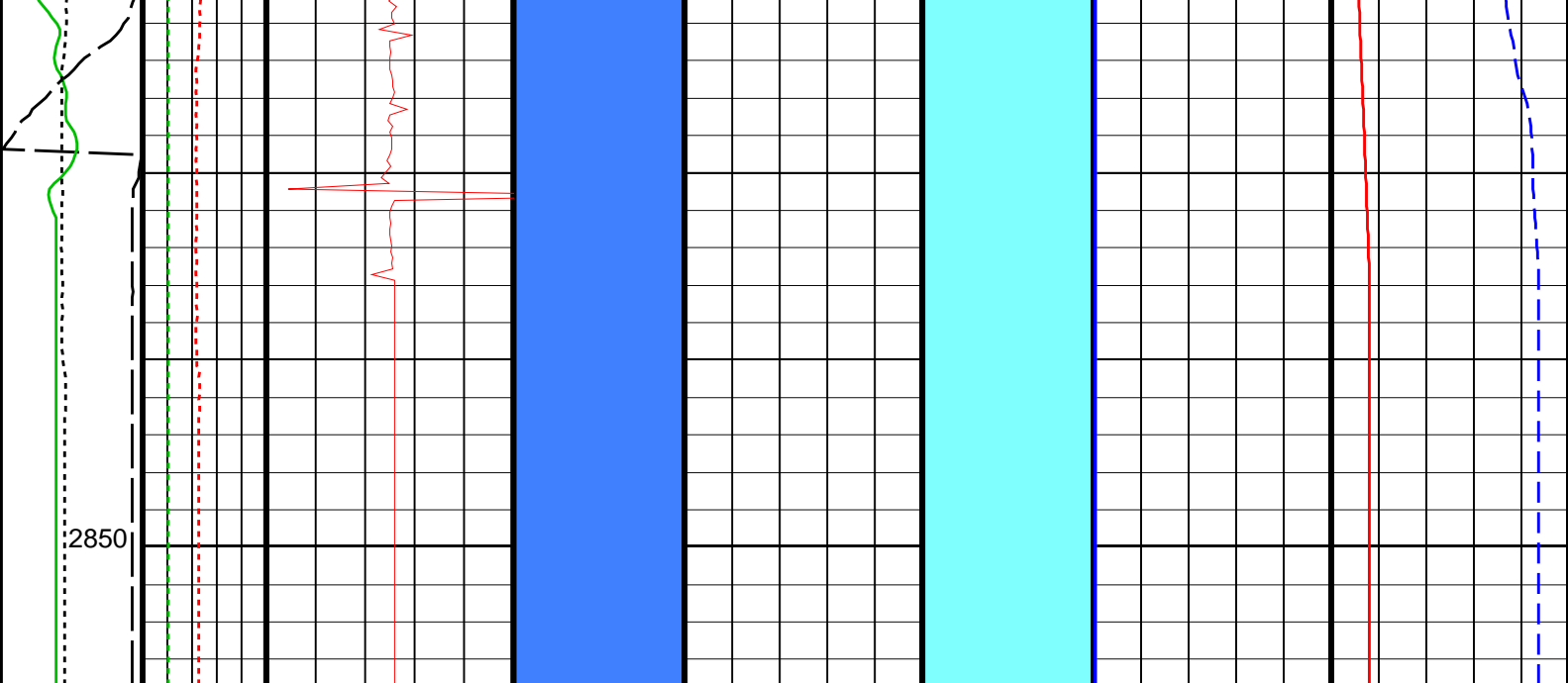












Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 13-May-2006 06:51

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

Parameters		
DLIS Name	Description	Value
PFCS-A:	PSP Flow and caliper Tool	
CSID	Casing Size I.D.	3.5 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
DEFI	DEFT Image Interpolation	YES

DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	3.5	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	
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	3.5	IN
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	3.5	IN
System and Miscellaneous			
DO	Depth Offset for Playback	-1.0	M
PP	Playback Processing	NORMAL	

### Input DLIS Files

DEFAULT	Flip_FCS_DEFT_CFS_041PUP	PRODUCER	13-May-2006 06:36	2854.8 M	2701.0 M
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### Output DLIS Files

DEFAULT	FCS_DEFT_CFS_PSP_043PUP	FN:38	PRODUCER	13-May-2006 06:51
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Company: **Esso Australia Ltd**

**Schlumberger**

Well: **BMA A-10a**

Field: **Bream A**

Rig: **Prod 4 / Crane**

Country: **Australia**

PLT / Dual DEFT

Spinner

Survey