

Prod4/Crane
West Tuna

Rig:
Field:

Logg
Run
Dept
Schl
Bott
Top I
Casi
Salin
Dens
Fluid
BIT
Bit S
From
To
Casi
Welig
Grad
From
To
Maxi
Logg
Unit I
Recc
With

Company: Esso Australia Ltd.

Well: W-8A

Field: West Tuna

Prod4/Crane

Country: Australia

Gamma Ray
Pressure/Temperature
Dual Deft/Spinner Survey

Location: Gippsland
Well: W-8A
Company: Esso Australia Ltd.

LOCATION			State: Victoria	Max. Well Deviation 64 deg	Longitude 148 30' 22" E	Latitude 038.1 19' 86" S
Gippsland Basin Bass Strait	Elev.: K.B. 34.69 m G.L. -61 m D.F. 34.69 m					
Permanent Datum:	M.S.L.					
Log Measured From:	D.F.					
Drilling Measured From:	D.F.	Elev.: 0 m	34.7 m above Perm. Datum			

PVT DATA		
Oil Density		
Water Salinity		
Gas Gravity		
Bo		
Bw		
1/Bg		
Bubble Point Pressure		
Bubble Point Temperature		
Solution GOR		
Maximum Deviation	64 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	15-Aug-2006
Number	1
h Driller	3506.7 m
urnberger Depth	3373 m
m Log Interval	3373 m
og Interval	2000 m
g Fluid Type	Production Fluids
ity	
ity	
Level	3353 m
IT/CASING/TUBING STRING	
ize	8.500 in
g/Tubing Size	7.000 in
ht	26 lbm/ft
e	L-80
	17.64 m
	3583.42 m
mm Recorded Temperatures	212 degF
er On Bottom	15-Aug-2006
Number	LEE001
Location	Prod 4 / Ausl
Recorded By	S Gilbert, G Wright
essed By	G Rimmer

DEPTH SUMMARY LISTING

Date Created: 17-AUG-2006 12:52:54

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-H Serial Number: 797 Calibration Date: 1-May-2006 Calibrator Serial Number: 1009 Calibration Cable Type: 2-32ZT Wheel Correction 1: -3 Wheel Correction 2: -3	Type: CMTD-C Serial Number: 1037 Calibration Date: 02-Apr-2002 Calibrator Serial Number: 1174 Calibration Gain: 1.10 Calibration Offset: 325.00	Type: 2-32ZT Serial Number: 26087 Length: 6900.06 M Conveyance Method: Wireline Rig Type: Offshore_Mobile

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Solar Log
Reference Log Run Number:	1
Reference Log Date:	02-Apr-2002
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. Correlated to Solar Log provided by client.
2. IDW used as primary depth control.
3. Z-Chart used as secondary depth control.
4.
5.
6.

DISCLAIMER

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OTHER SERVICES1
OS1: None
OS2:
OS3:
OS4:
OS5:
REMARKS: RUN NUMBER 1
Log Correlated to West Tuna W-8A Solar Composite Log.
Objectives: Complete PSP Survey , Deft/Spinner
(both inline and Fullbore) Pressure/ temperature survey
over the interval 2000m MDKB to 2195m MDKB and HUD to 3260m MDKB
Both Static and Flowing surveys to be completed .
Maximum well deviation : 64.2 deg @ 1834.1m MDKB .
HUD: 3373m MDKB SBHP: 2338psia SBHT: 212degf
After completing the static surveys the well was flowed .
We were then unable to reach HUD to complete the flowing
survey after making multiple attempts .

Crew: John Light , Ben Taylor

RUN 1

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

Ausl06336236
14C0-302
3353 m

EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

WITM-A 827
PSC 16MHZ 827

DOWNHOLE EQUIPMENT

AH-SWBS/B 761

13.06

AH-SWBS/B 762

12.37

AH-SWBS/B 763

11.69

AH-SWBS/B 731

11.00

MH-SWHA/A 726

10.32

EQF-43
EQF-43

9.99

Detail MT
TelStatus
CTEM

8.16

8.16

PSC-A 827
PSPT-B 827
PSTC 827
PBMS-B 827
CQG_F_Mano 827
RTD_Thermometer 827
GR 33143
CCL 827
PBMS 827

GR

7.03

Well_Temp
CQG Manom
CCL
PBMS PSTC

6.10

5.99

5.87
5.64

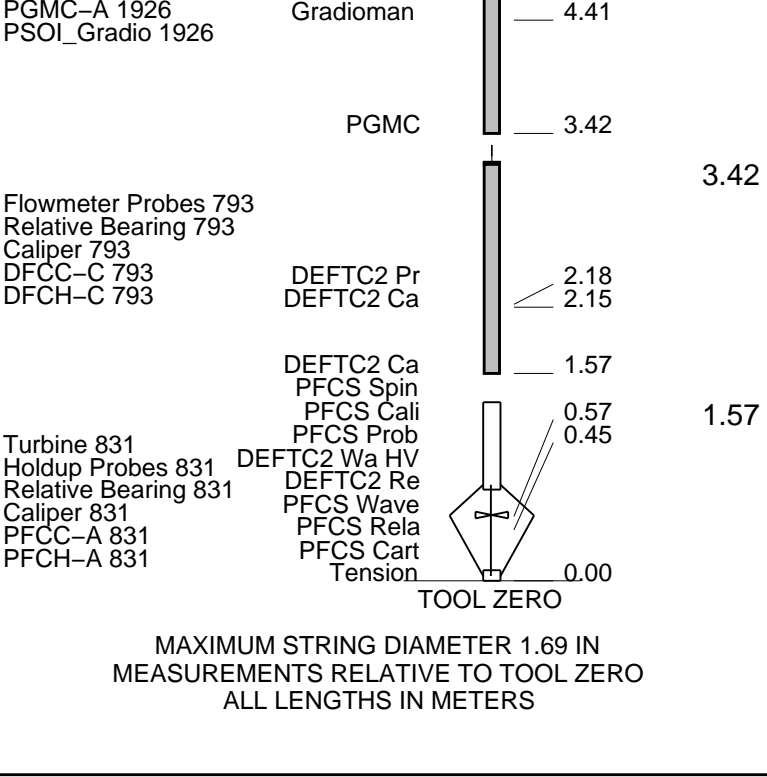
PILS-A 839

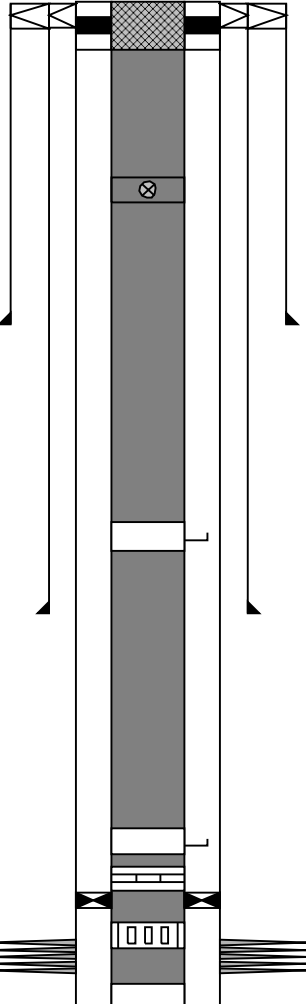
Spinner

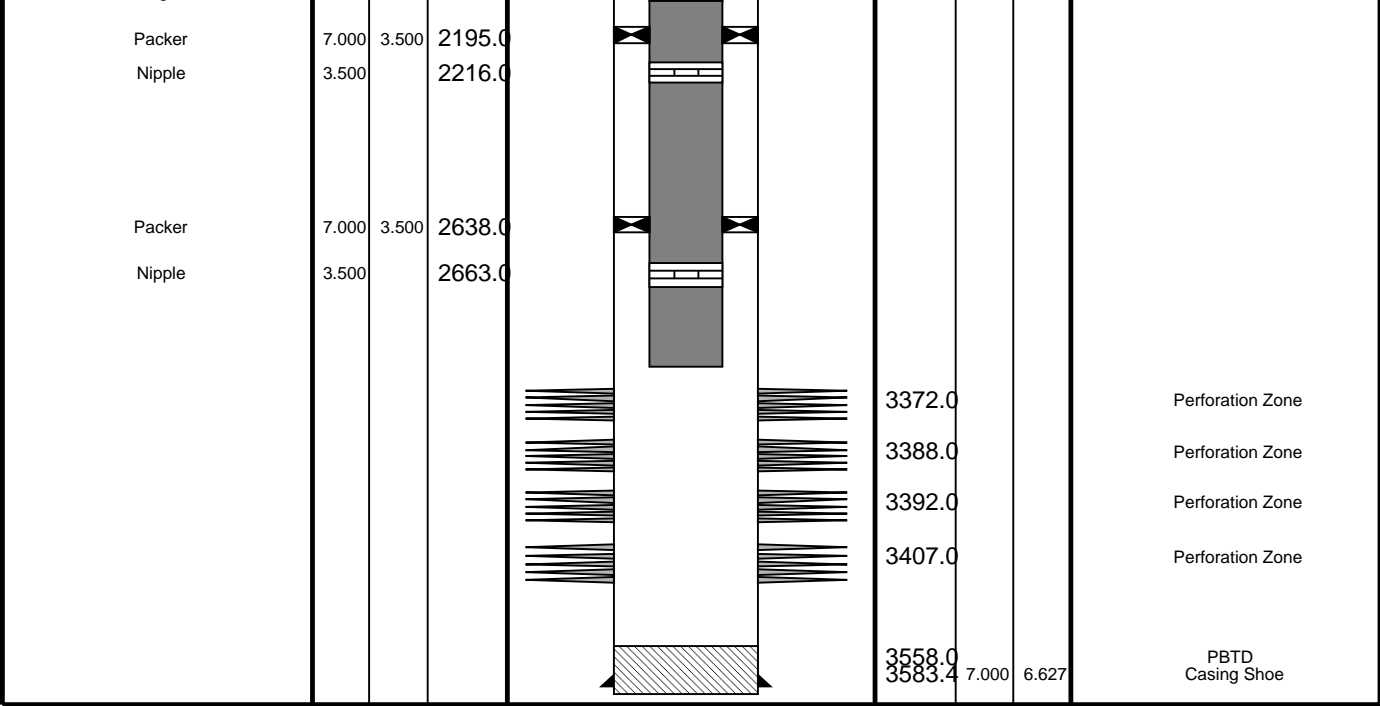
_____ 5.14

5.64

4.87



Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing	3.500	2.992	17.6		17.6	13.375	12.615	Casing String
Tubing Hanger	7.000	3.500	17.6		17.6	9.625	7.000	Liner Hanger
					17.6	9.625	8.681	Casing String
					17.6	13.375	9.625	Liner Hanger
Shutin Valve	3.500		448.0		695.8	13.375	12.615	Casing Shoe
Gas Lift Mandrel	3.500		1213.0		1306.8	9.625	8.681	Casing Shoe
Gas Lift Mandrel	3.500		2006.0					
Nipple	3.500		2023.0					
Packer	7.000	3.500	2037.0					
Sliding Sleeve	3.500		2084.0		2160.0			Perforation Zone
Tubing Patch	3.500		2160.0					



Log Up @ 2000 ft/hr Flowing
2210m to 1990m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_034LUP	FN:26	PRODUCER	15-Aug-2006 20:59	2211.9 M	1990.4 M
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Output DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_068PUP	FN:59	PRODUCER	16-Aug-2006 14:07	2211.5 M	1990.5 M
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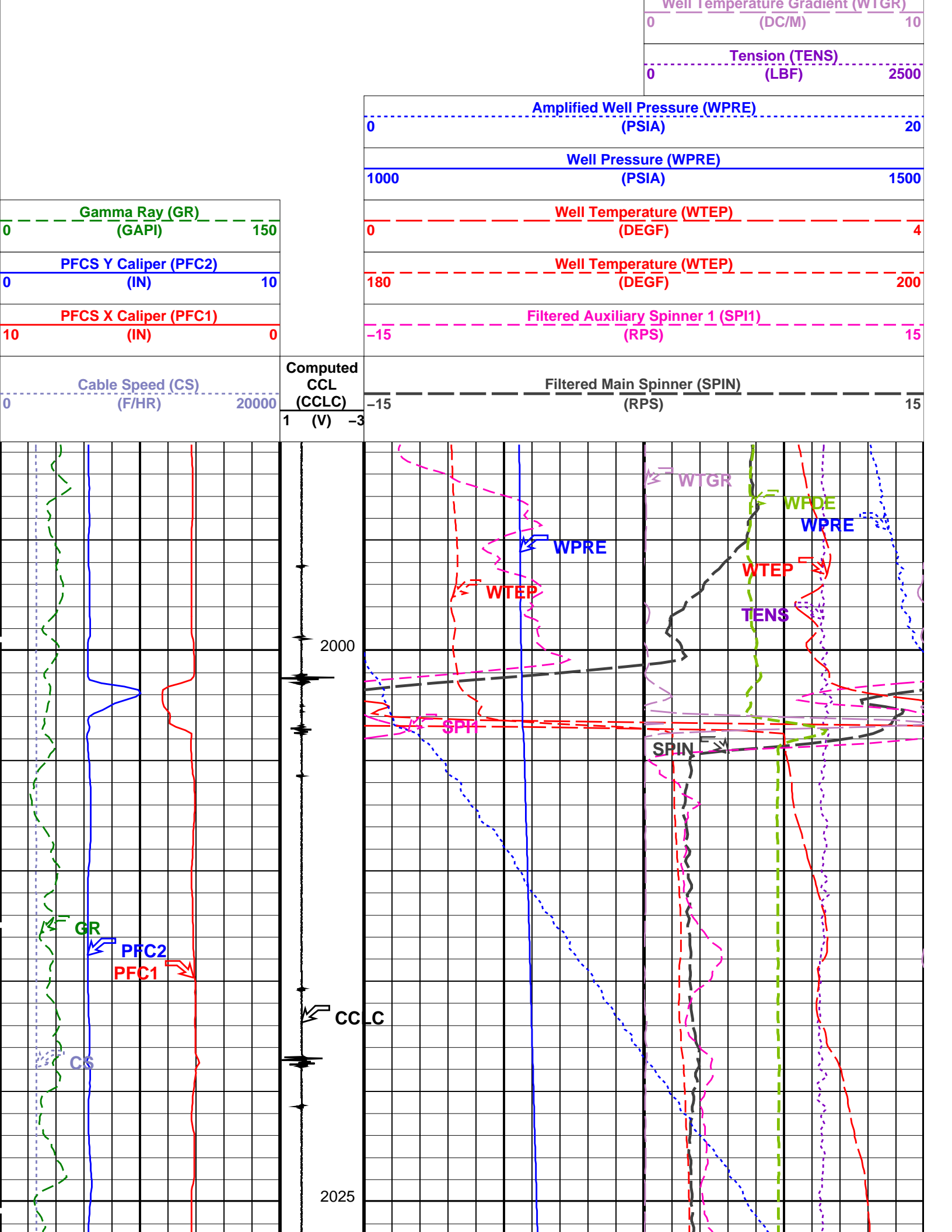
OP System Version: 14C0-302
MCM

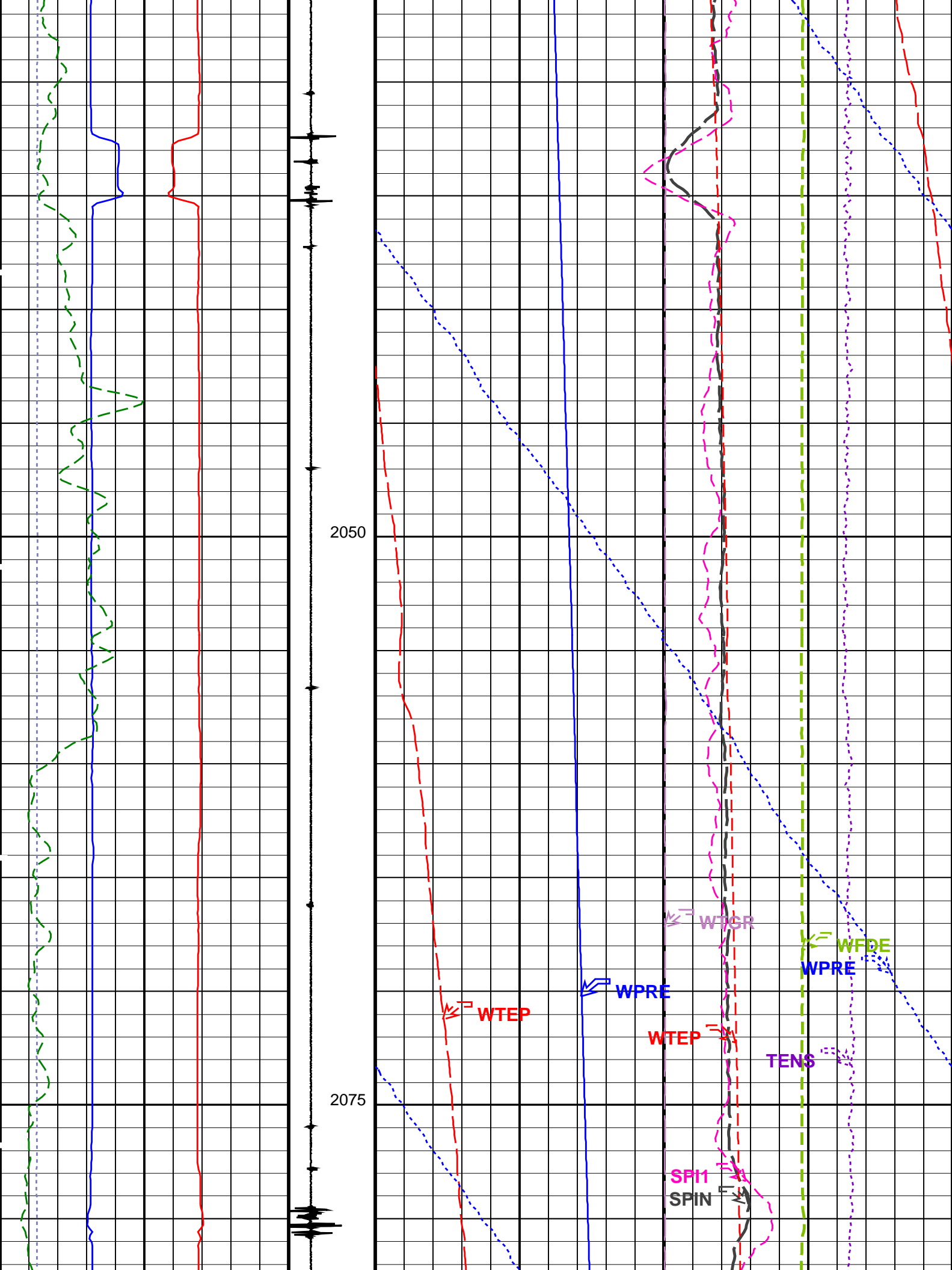
PFCS-A	14C0-302	DEFT-C2	14C0-302
PGMC-A/B	14C0-302	PILS-A	14C0-302
PSPT-B	14C0-302		

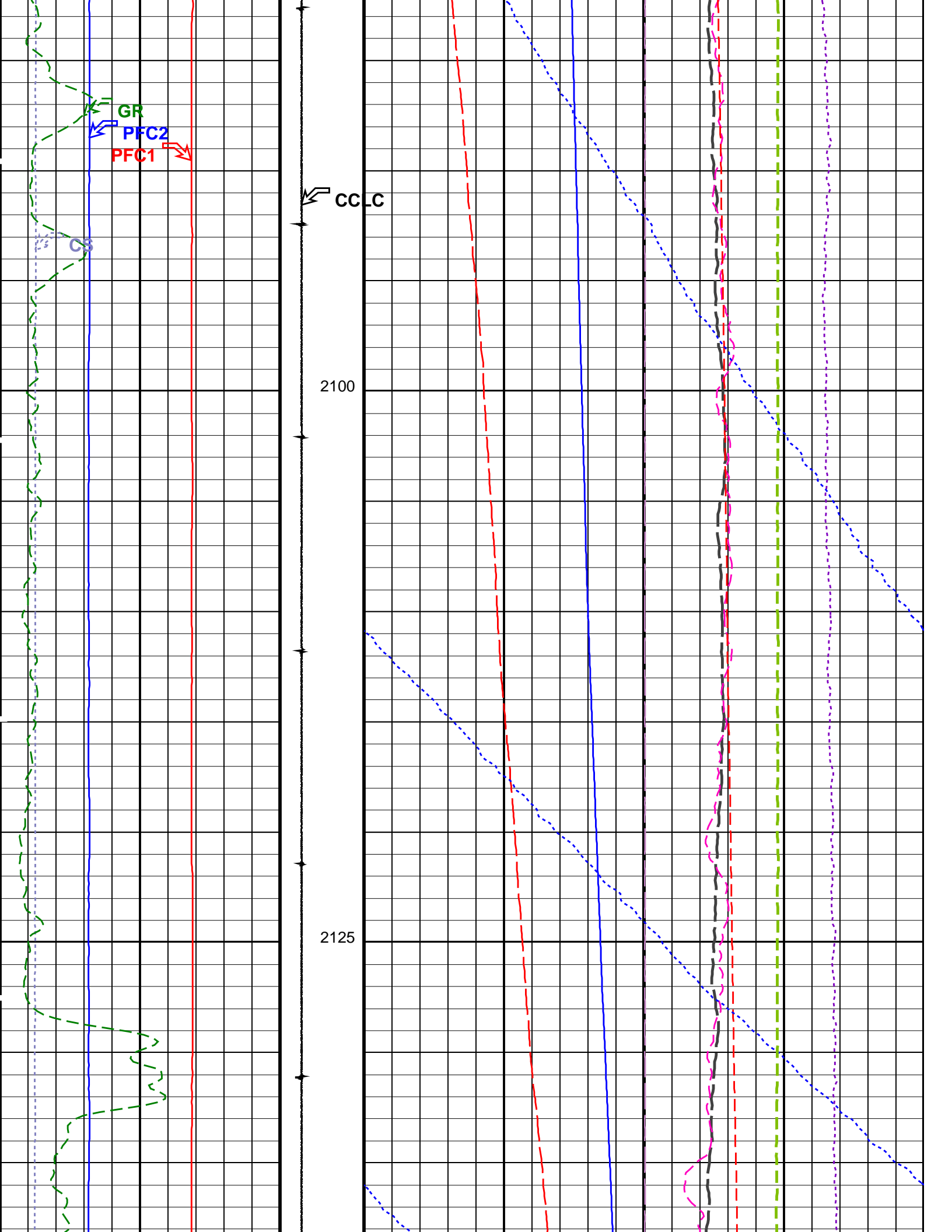
PIP SUMMARY

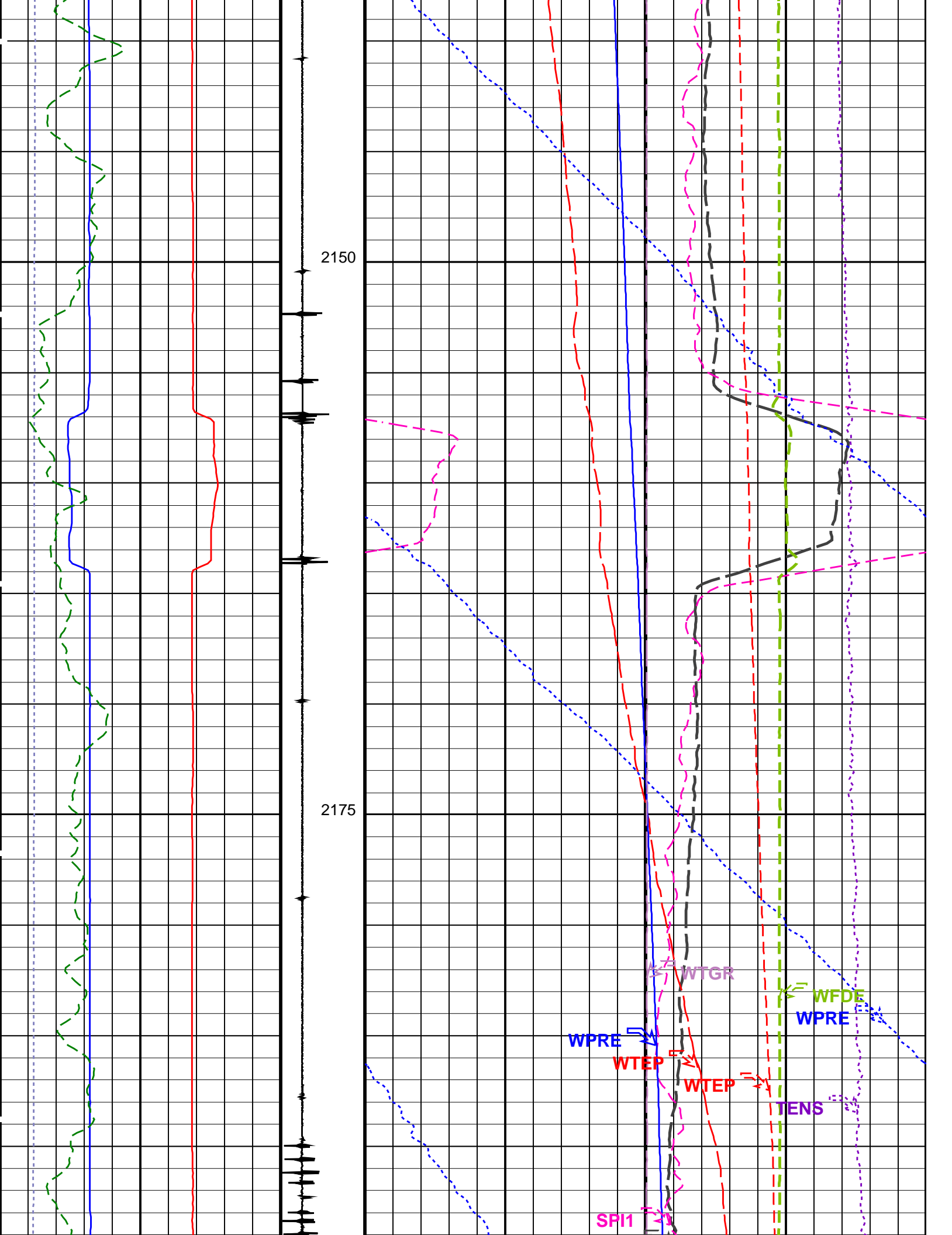
Time Mark Every 60 S

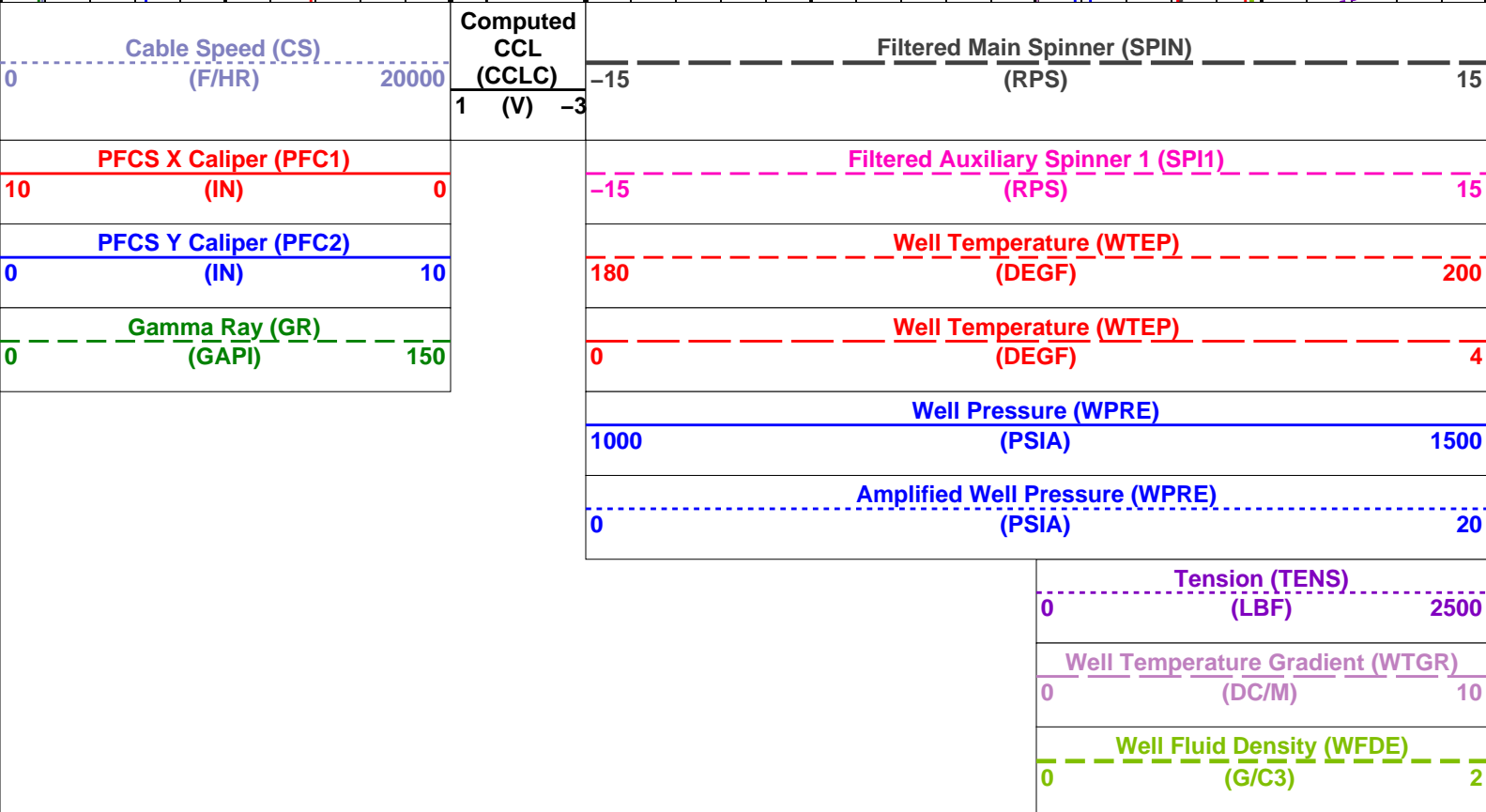
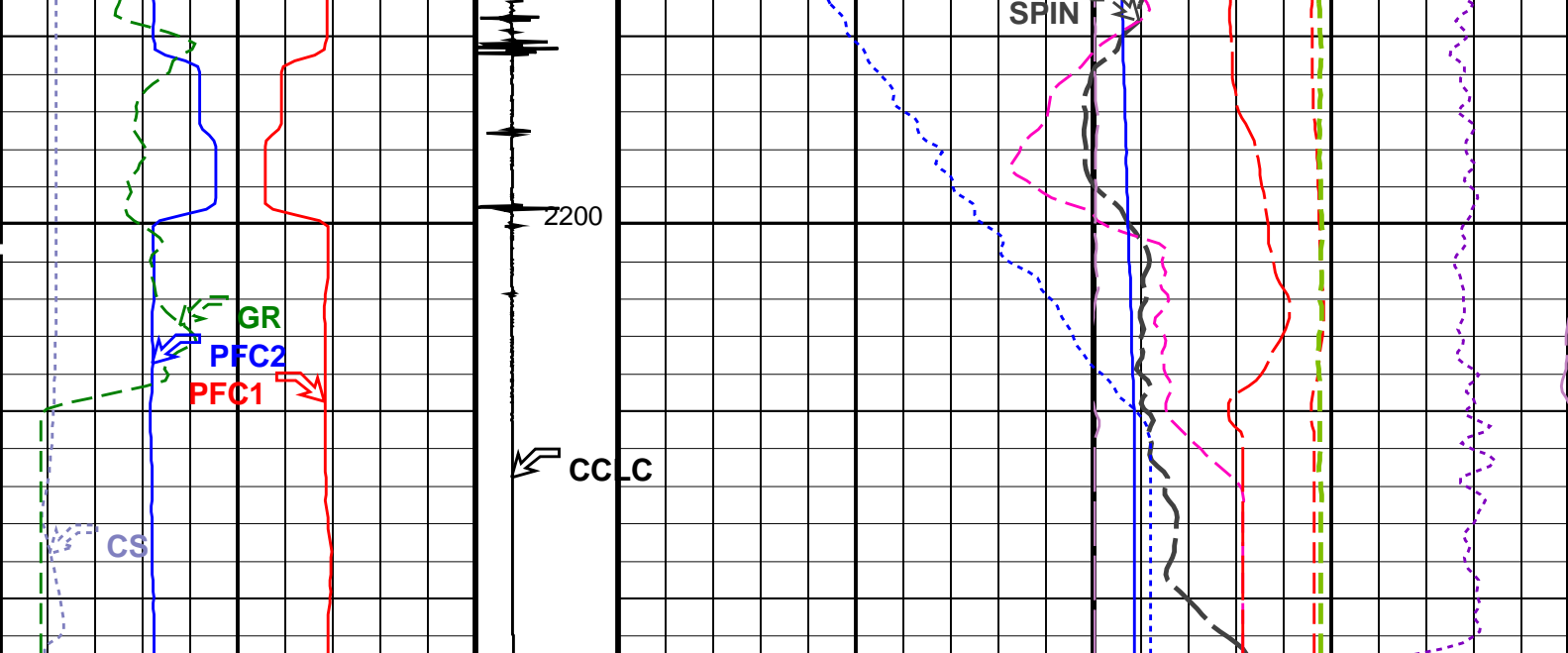
Well Fluid Density (WFDE)
0 (G/C3) 2











PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 16-Aug-2006 14:08

OP System Version: 14C0-302

MCM

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

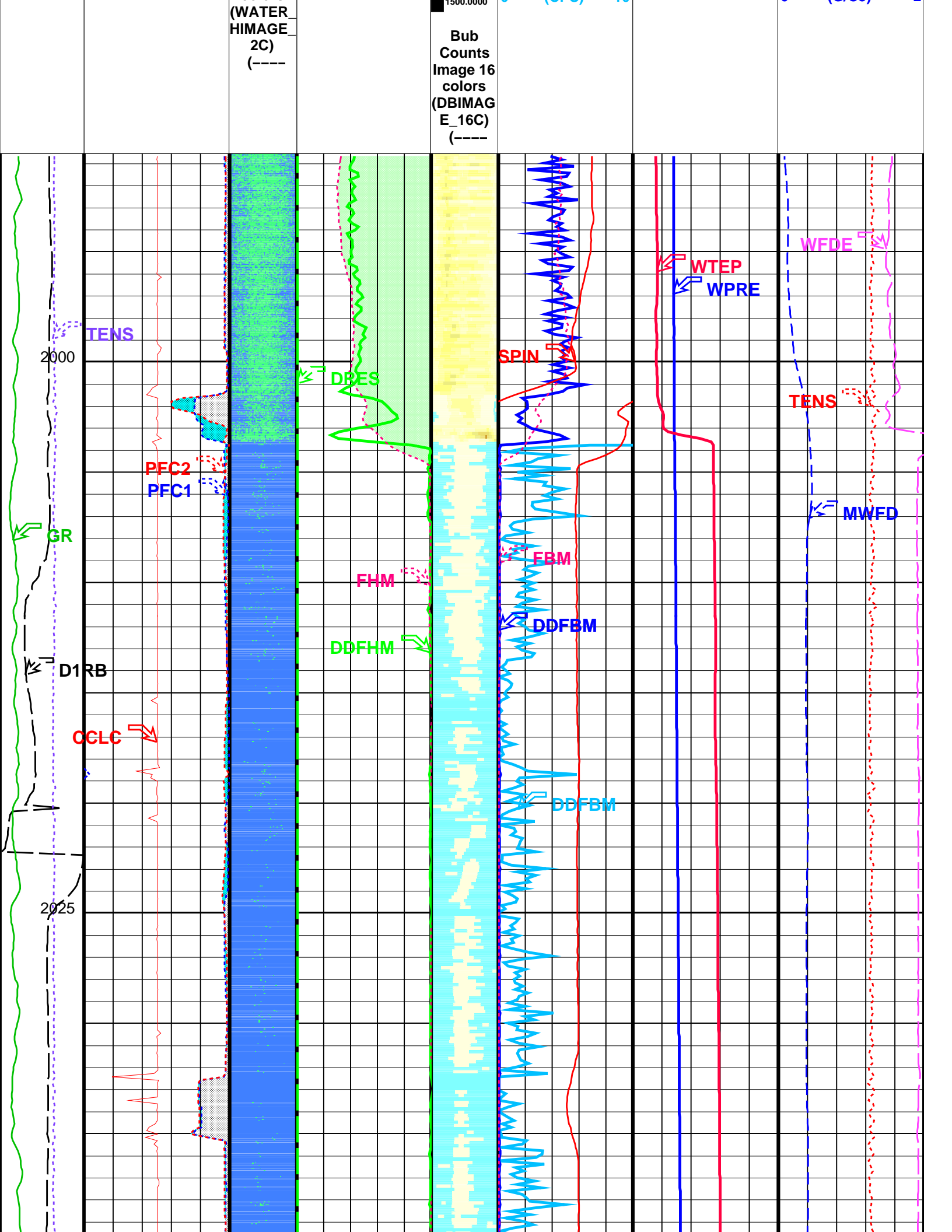
GCPG	PGMC-A/B: PSP Gradiomanometer Measurement Module	Gradio Surf.Cal Diff.Pres Gain	1	
GCPG		Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH		Gradio Correction Density Shift	0	G/C3
	PILS-A: PSP In Line Spinner Flowmeter			
AMOD		Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF		Spinner Depth Constant Filter	6	
SPI1		Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN		Main Spinner Flowmeter Sonde	PFCS-A_TURB	
	PSPT-B: Production Services Logging Platform			
GDEV		Average Angular Deviation of Borehole from Normal	0	DEG
	System and Miscellaneous			
DO		Depth Offset for Playback	-0.5	M
PP		Playback Processing	RECOMPUTE	

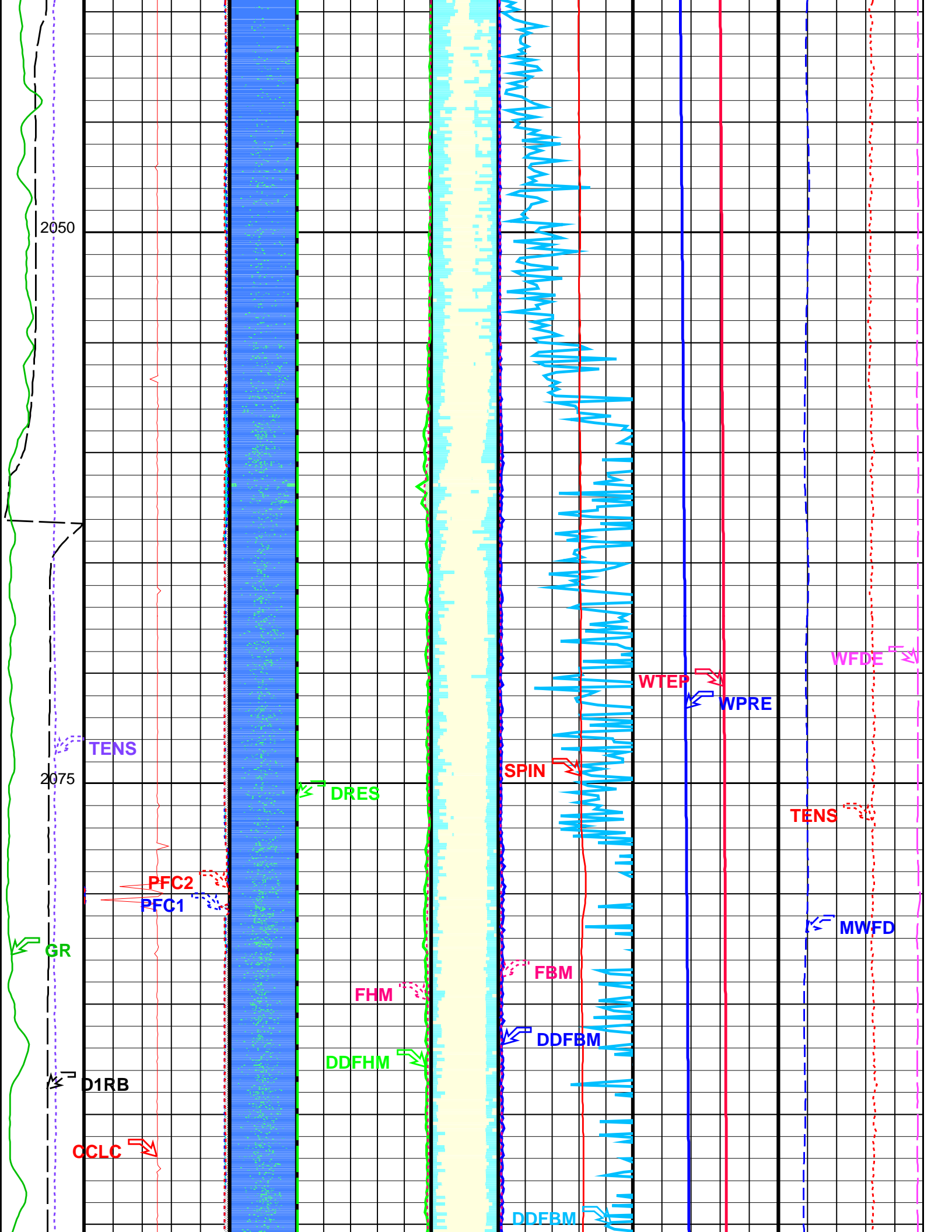
Input DLIS Files						
DEFAULT	FCS_DEFT_GMS_ILS_034LUP	FN:26	PRODUCER	15-Aug-2006 20:59	2211.9 M	1990.4 M
Output DLIS Files						
DEFAULT	FCS_DEFT_GMS_ILS_068PUP	FN:59	PRODUCER	16-Aug-2006 14:07		

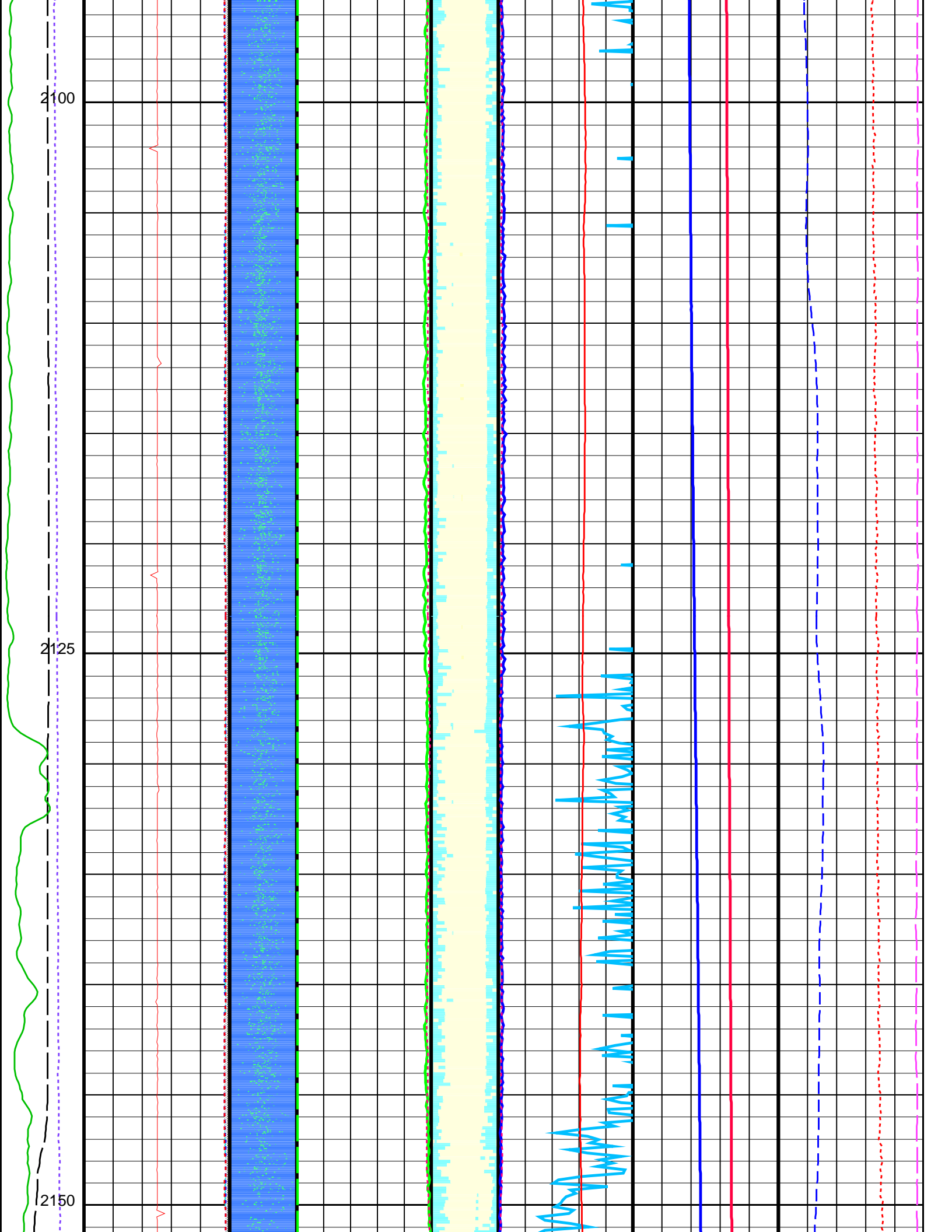
Input DLIS Files						
DEFAULT	FCS_DEFT_GMS_ILS_034LUP	FN:26	PRODUCER	15-Aug-2006 20:59	2211.9 M	1990.4 M
Output DLIS Files						
DEFAULT	FCS_DEFT_GMS_ILS_068PUP	FN:59	PRODUCER	16-Aug-2006 14:07	2211.5 M	1990.5 M

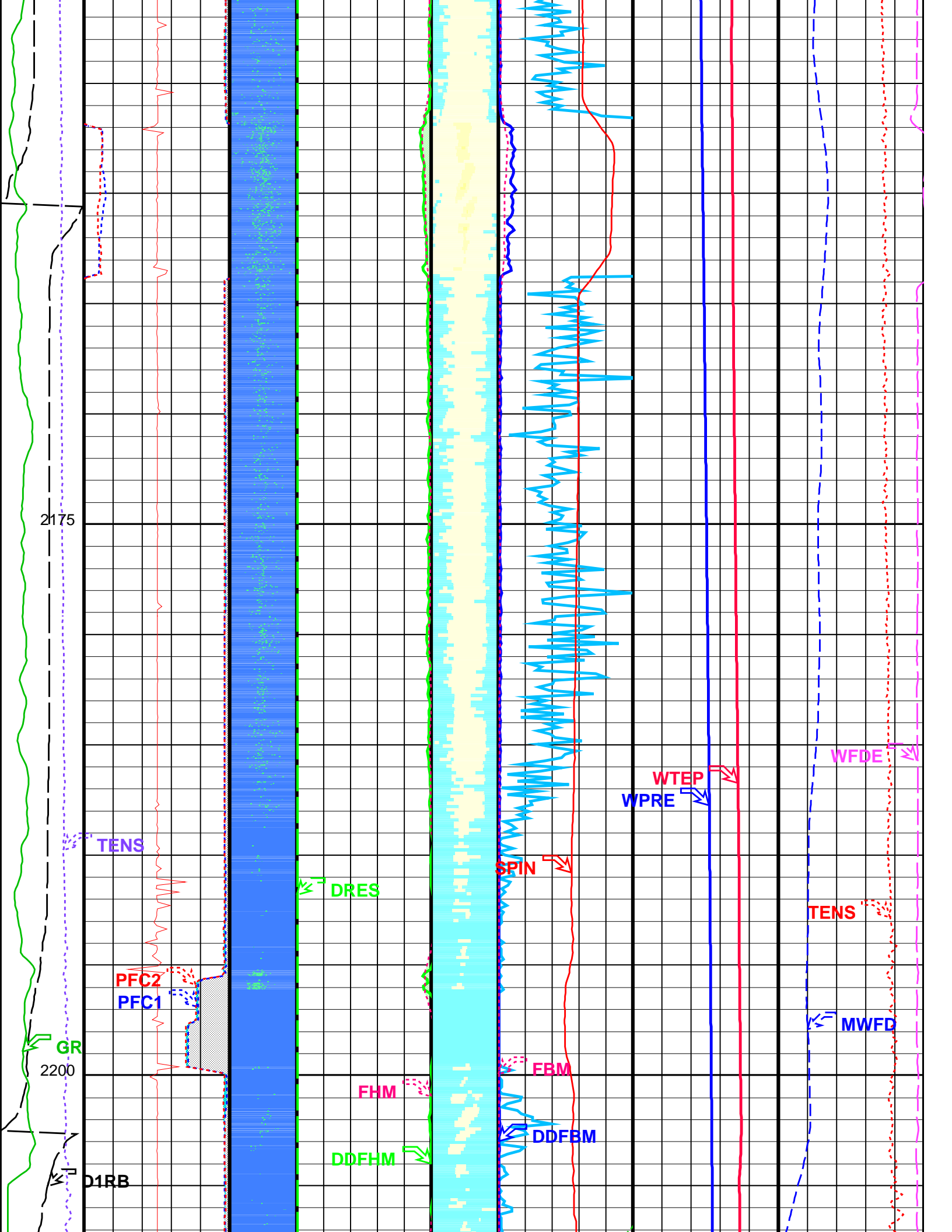
OP System Version: 14C0-302						
		MCM				
PFCS-A	14C0-302		DEFT-C2	14C0-302		
PGMC-A/B	14C0-302		PILS-A	14C0-302		
PSPT-B	14C0-302					

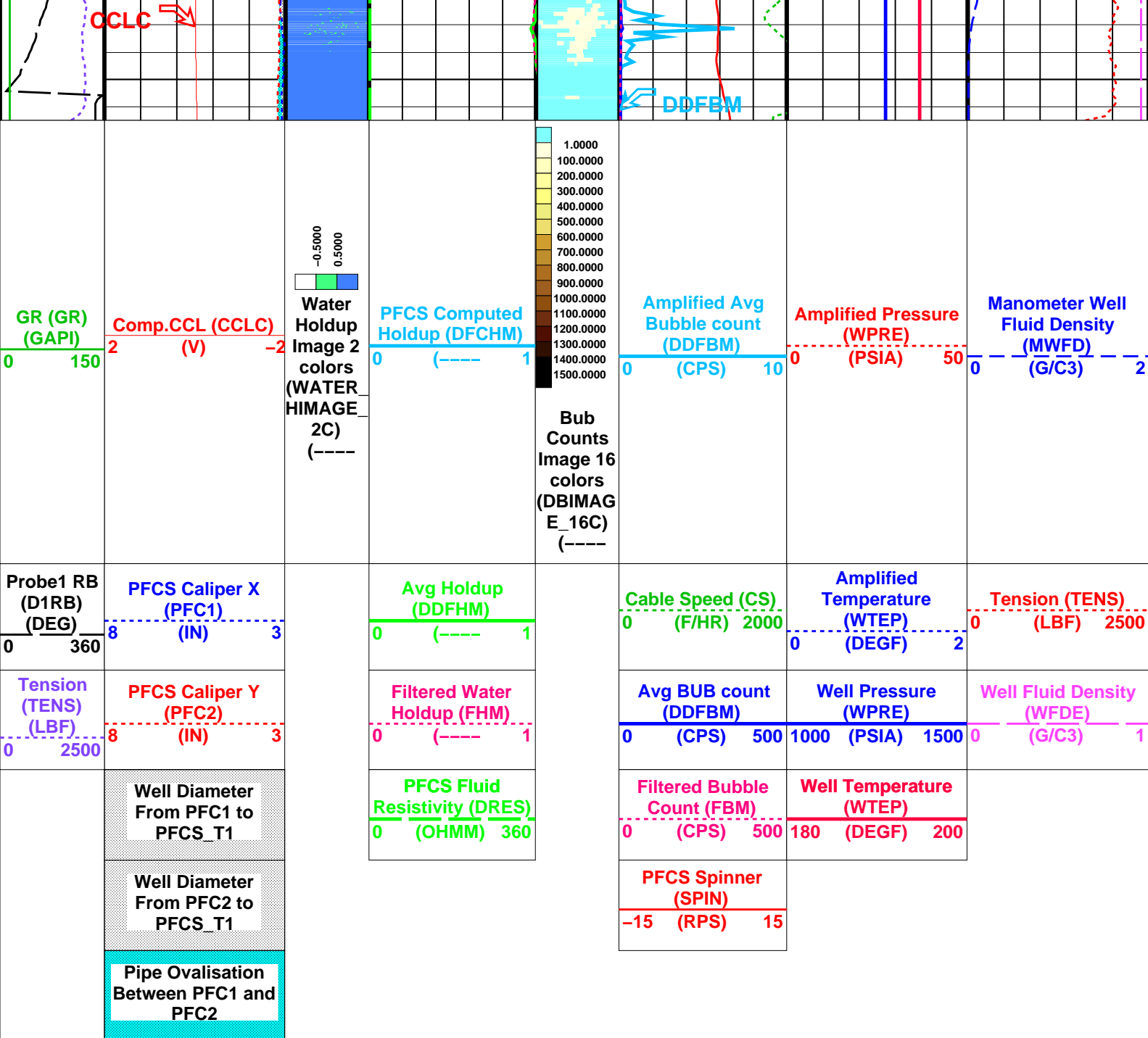
	Pipe Ovalisation Between PFC1 and PFC2					
	Well Diameter From PFC2 to PFCs_T1			PFCS Spinner (SPIN) -15 (RPS) 15		
	Well Diameter From PFC1 to PFCs_T1		PFCS Fluid Resistivity (DRES) 0 (OHMM) 360	Filtered Bubble Count (FBM) 0 (CPS) 500	Well Temperature (WTEP) 180 (DEGF) 200	
Tension (TENS) (LBF) 0 2500	PFCS Caliper Y (PFC2) 8 (IN) 3		Filtered Water Holdup (FHM) 0 (----) 1	Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 1000 (PSIA) 1500	Well Fluid Density (WFDE) 0 (G/C3) 1
Probe1 RB (D1RB) (DEG) 0 360	PFCS Caliper X (PFC1) 8 (IN) 3		Avg Holdup (DDFHM) 0 (----) 1	Cable Speed (CS) 0 (F/HR) 2000	Amplified Temperature (WTEP) (DEGF) 0 2	Tension (TENS) (LBF) 2500
GR (GR) (GAPI) 0 150	Comp.CCL (CCLC) 2 (V) -2	Water Holdup Image 2 colors	PFCS Computed Holdup (DFCHM) 0 (----) 1	Amplified Avg Bubble count (DDFBM) 0 (CPS) 10	Amplified Pressure (WPRE) (PSIA) 0 50	Manometer Well Fluid Density (MWFD) 0 (G/C3) 2











Format: PFCs_Image_DL Vertical Scale: 1:200 Graphics File Created: 16-Aug-2006 14:08

OP System Version: 14C0-302

MCM

PFCs-A	14C0-302	DEFT-C2	14C0-302
PGMC-A/B	14C0-302	PILS-A	14C0-302
PSPT-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
PFGC	PFCs Geometrical coefficient	1200
PERF1	Downhole Resistor Probe 1	3000 OHMS

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	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	3.5	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
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB	
PSPT-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	7.000	IN
DO	Depth Offset for Playback	-0.5	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_034LUP	FN:26	PRODUCER	15-Aug-2006 20:59	2211.9 M	1990.4 M
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Output DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_068PUP	FN:59	PRODUCER	16-Aug-2006 14:07
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Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_034LUP	FN:26	PRODUCER	15-Aug-2006 20:59	2211.9 M	1990.4 M
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Output DLIS Files

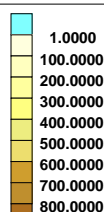
DEFAULT	FCS_DEFT_GMS_ILS_068PUP	FN:59	PRODUCER	16-Aug-2006 14:07	2211.5 M	1990.5 M
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OP System Version: 14C0-302

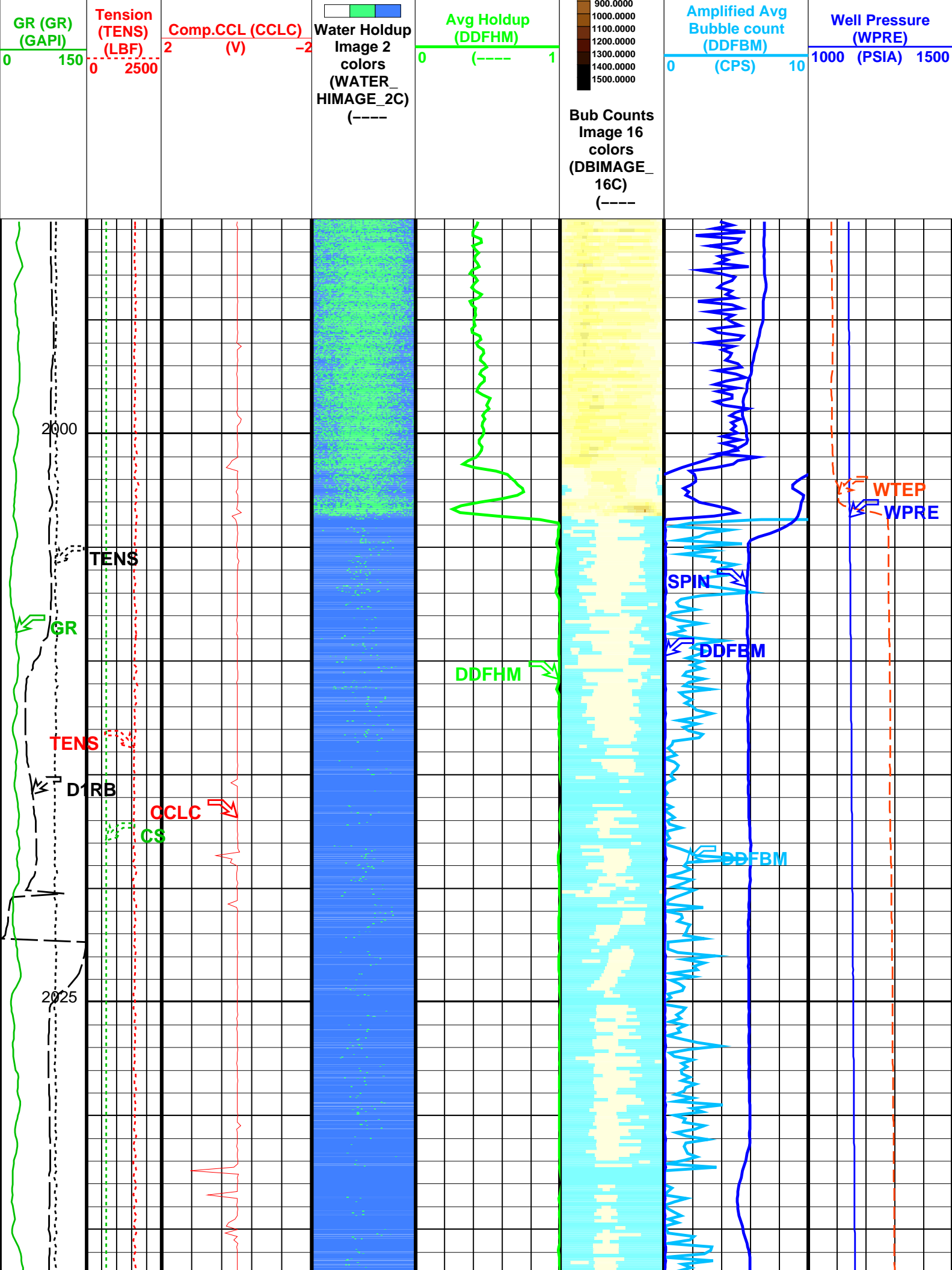
MCM

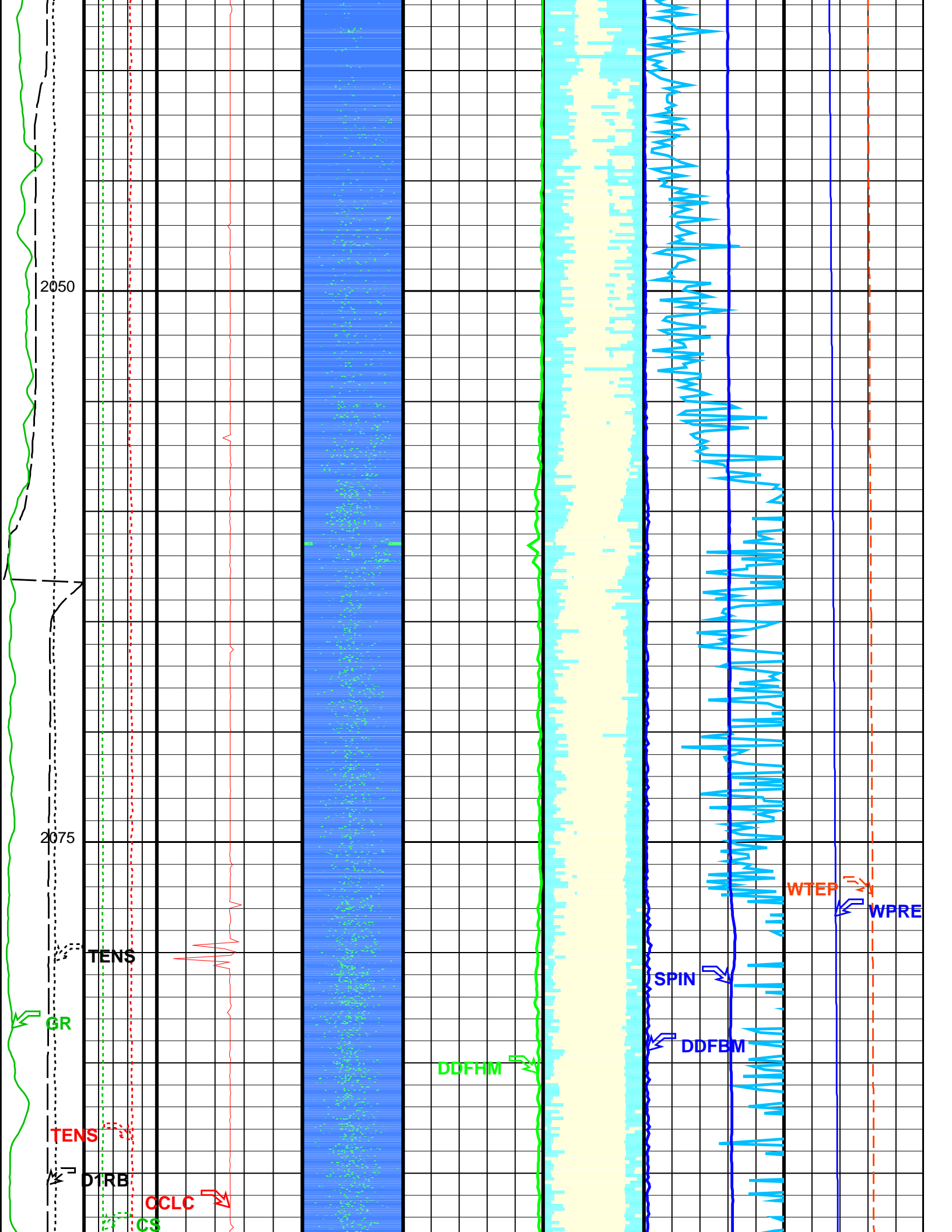
PFCS-A	14C0-302	DEFT-C2	14C0-302
PGMC-A/B	14C0-302	PILS-A	14C0-302
PSPT-B	14C0-302		

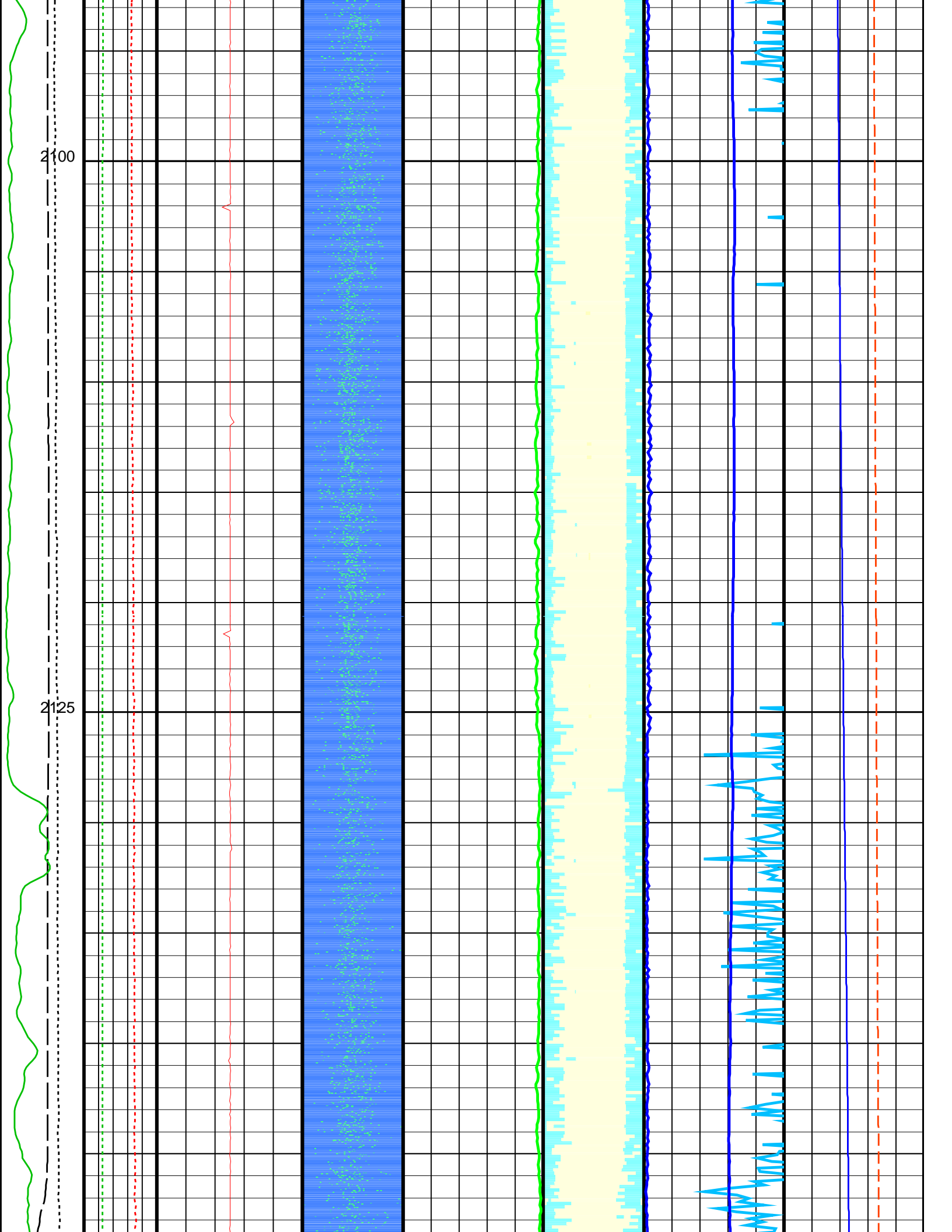
Tension (TENS) (LBF)					Filtered Main Spinner (SPIN)			
0 2500					-15	(RPS)	15	
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)					Avg BUB count (DDFBM)		Well Temperature (WTEP)
0 360	0 10000					0	(CPS)	500 180 (DEGF) 200

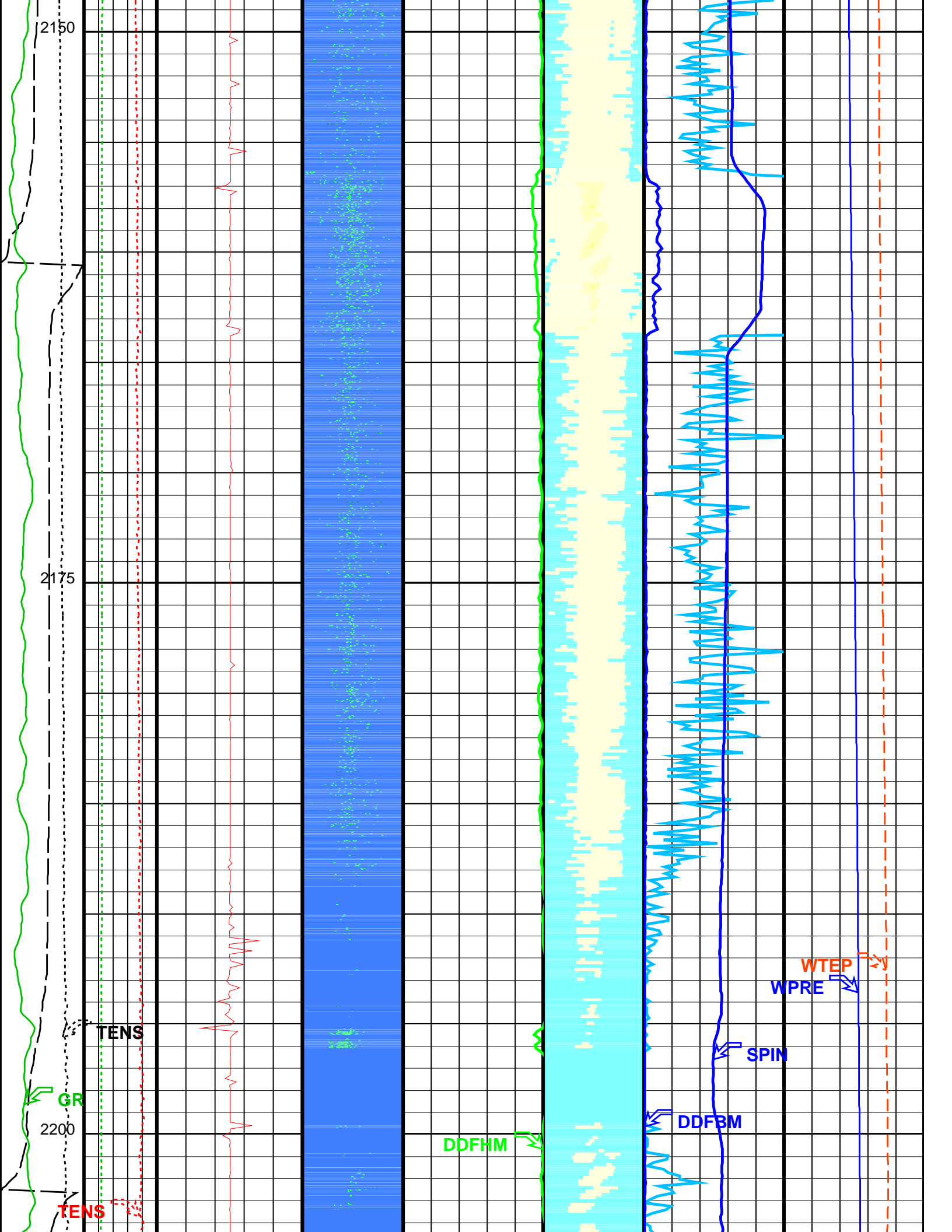


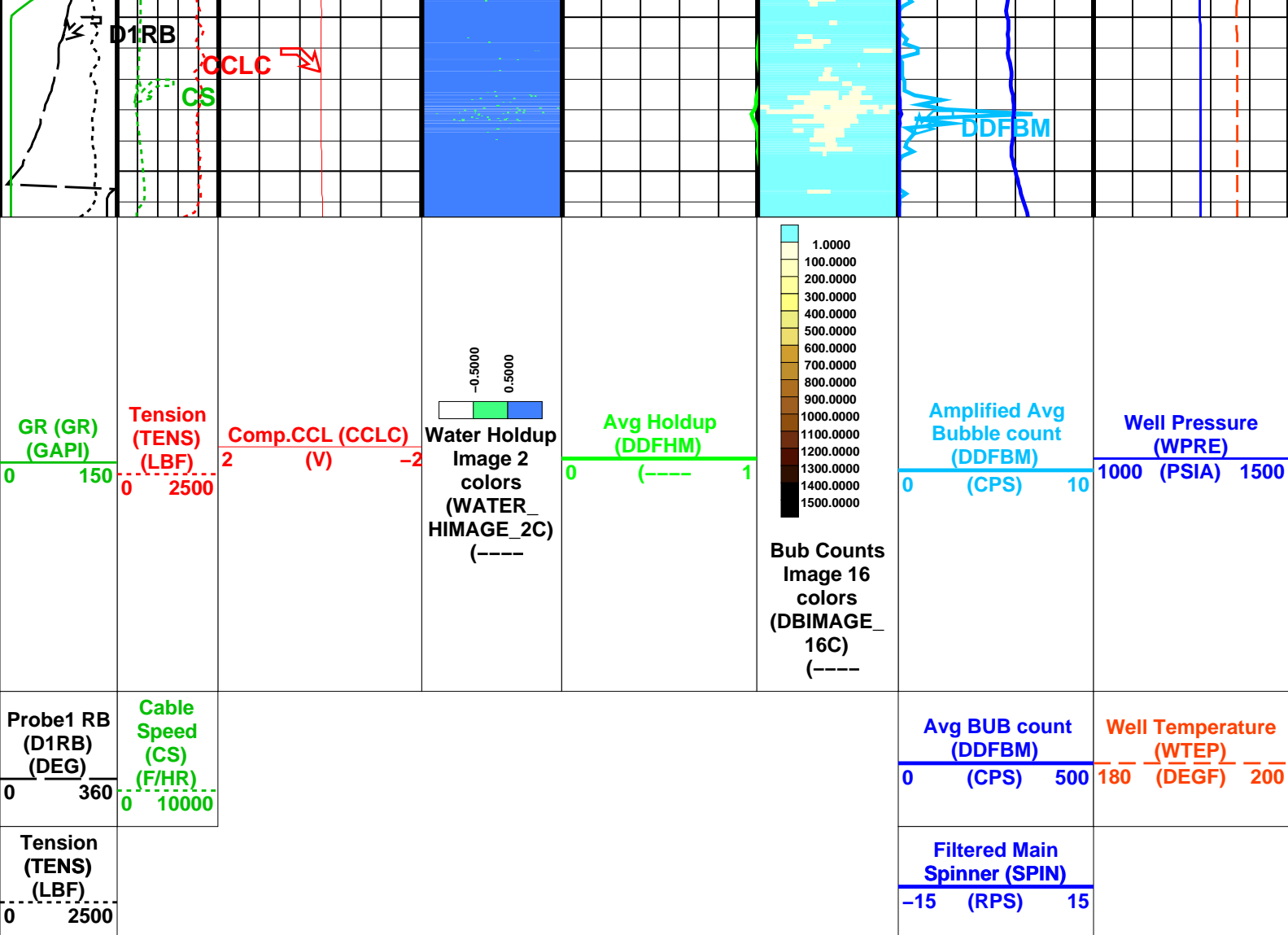
-0.5000
0.5000











Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 16-Aug-2006 14:08

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	DEFT-C2	14C0-302
PGMC-A/B	14C0-302	PILS-A	14C0-302
SPST-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
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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	3.5 IN
PILS-A: PSP In Line Spinner Flowmeter		

AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	6	
SDCF	Spinner Depth Constant Filter			
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB		
	PSPT-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	-0.5	M	
PP	Playback Processing	RECOMPUTE		

Input DLIS Files

DEFAULT FCS_DEFT_GMS_ILS_034LUP FN:26 PRODUCER 15-Aug-2006 20:59 2211.9 M 1990.4 M

Output DLIS Files

DEFAULT FCS_DEFT_GMS_ILS_068PUP FN:59 PRODUCER 16-Aug-2006 14:07



Log Up @ 2000 ft/hr Flowing
3342m to 3250m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT FCS_DEFT_GMS_ILS_028LUP FN:20 PRODUCER 15-Aug-2006 20:02 3348.8 M 3247.2 M

Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_129PUP FN:118 PRODUCER 19-Aug-2006 08:23 3348.5 M 3247.5 M

OP System Version: 14C0-302

MCM

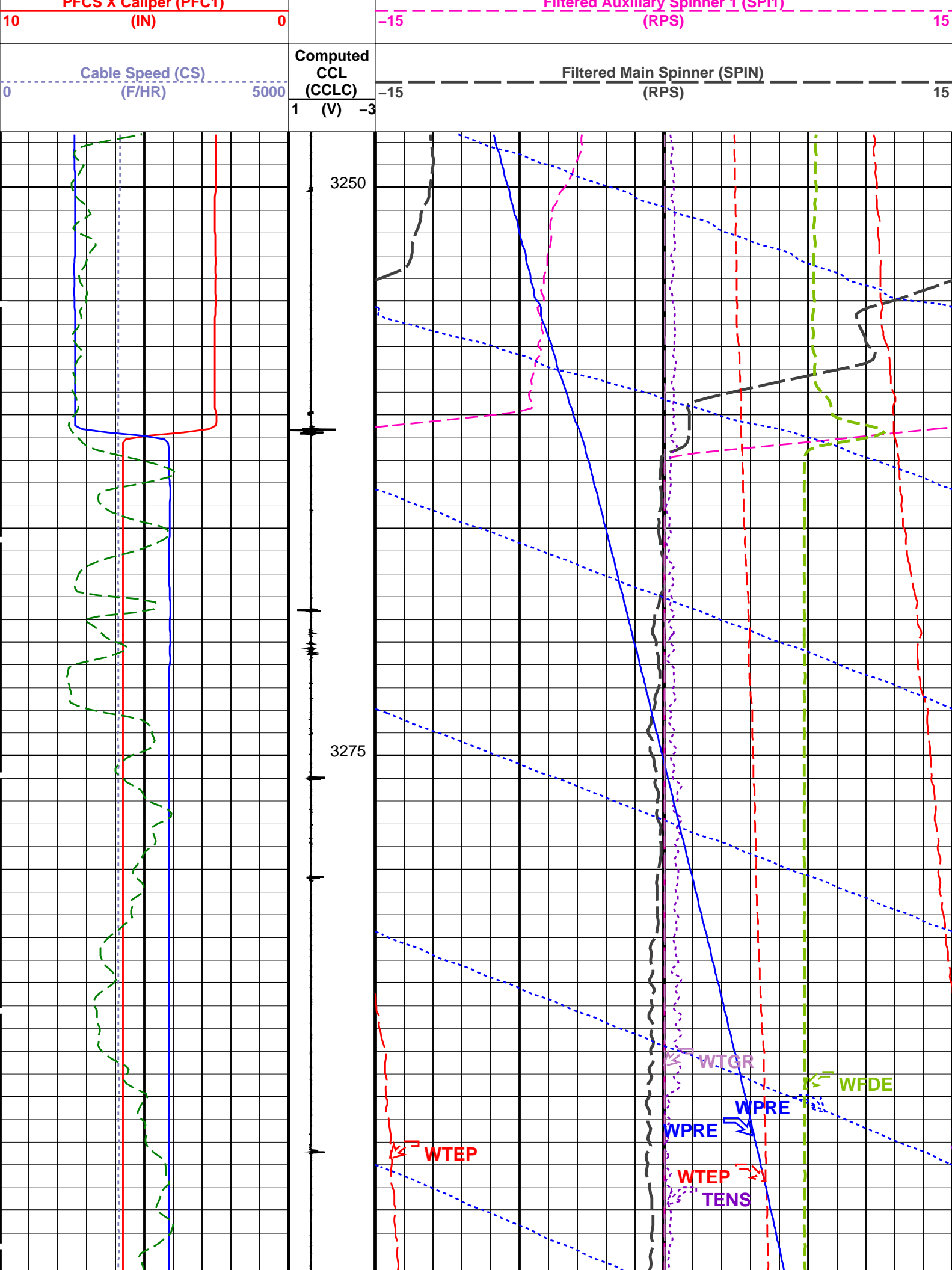
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-B	14C0-302		

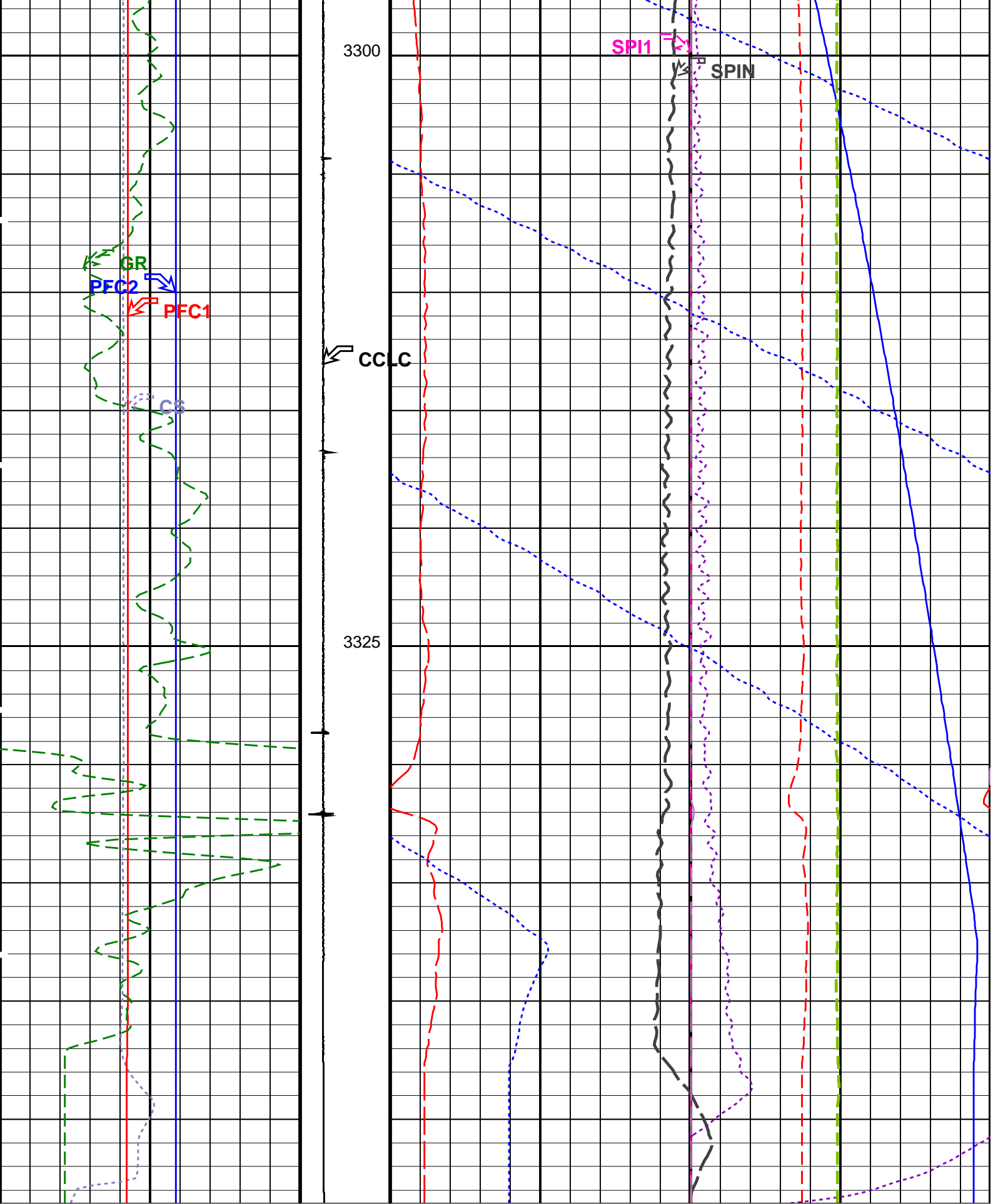
PIP SUMMARY

Time Mark Every 60 S

		Well Fluid Density (WFDE)		0	2
		(G/C3)			
		Well Temperature Gradient (WTGR)		0	10
		(DC/M)			
		Tension (TENS)		0	2000
		(LBF)			
		Amplified Well Pressure (WPRE)		0	10
		(PSIA)			
		Well Pressure (WPRE)		1900	2005
		(PSIA)			
		Well Temperature (WTEP)		0	1
		(DEGF)			
		Well Temperature (WTEP)		210	213
		(DEGF)			
		Filtered Auxiliary Spinner 1 (SP11)			

Gamma Ray (GR)		0	150
(GAPI)			
PFCS Y Caliper (PFC2)		0	10
(IN)			
PFCS X Caliper (PFC1)			





10 (IN) 0

PFCS Y Caliper (PFC2)

0 (IN) 10

Gamma Ray (GR)

0 (GAPI) 150

-15	(RPS)	15
Well Temperature (WTEP)		
210	(DEGF)	213
Well Temperature (WTEP)		
0	(DEGF)	1
Well Pressure (WPRES)		
1900	(PSIA)	2005
Amplified Well Pressure (WPRES)		
0	(PSIA)	10
Tension (TENS)		
0	(LBF)	2000
Well Temperature Gradient (WTGR)		
0	(DC/M)	10
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: 19-Aug-2006 08:23

OP System Version: 14C0-302

MCM

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

Parameters

DLIS Name	Description	Value	
	PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
GDEV	Average Angular Deviation of Borehole from Normal	50	DEG
SDCF	Spinner Depth Constant Filter	6	
SP11	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB	
	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_TURB	
	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-B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	50	DEG
	System and Miscellaneous		
DO	Depth Offset for Playback	-0.3	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_028LUP	FN:20	PRODUCER	15-Aug-2006 20:02	3348.8 M	3247.2 M
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Output DLIS Files

DEFAULT FCS_ILS_DEFT_GMS_129PUP FN:118 PRODUCER 19-Aug-2006 08:23

Input DLIS Files

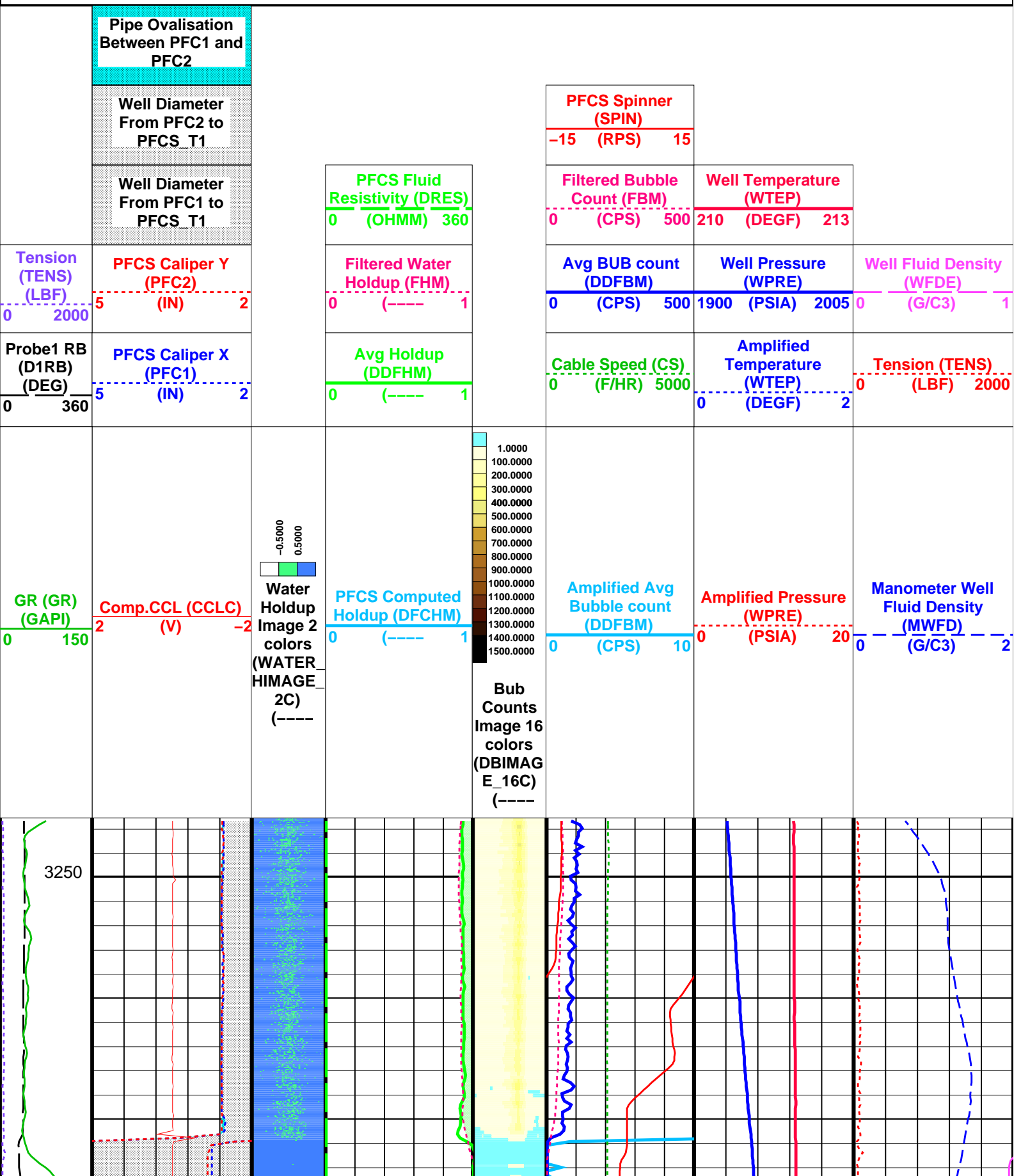
DEFAULT	FCS DEFT GMS ILS 028LUP	FN:20	PRODUCER	15-Aug-2006 20:02	3348.8 M	3247.2 M
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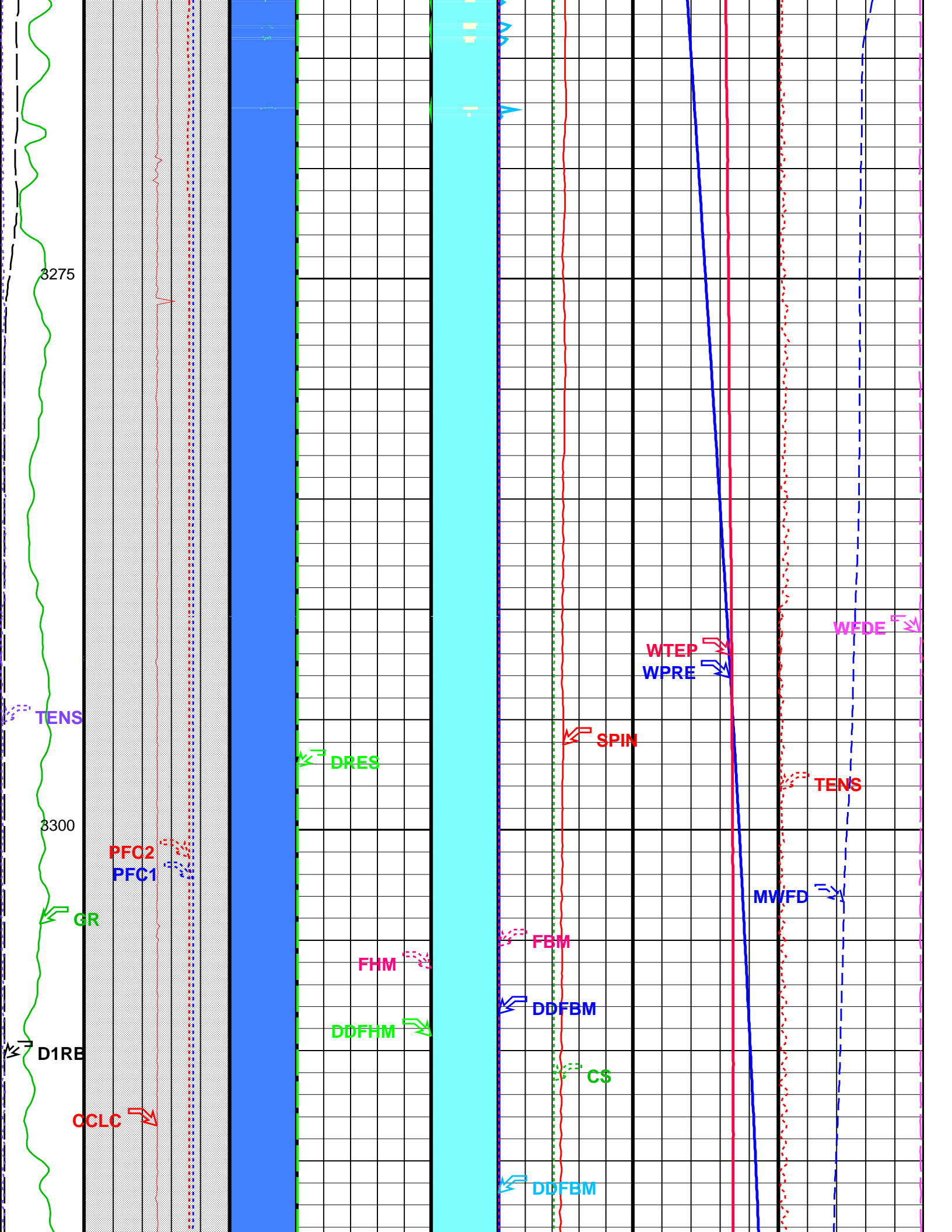
Output DLIS Files

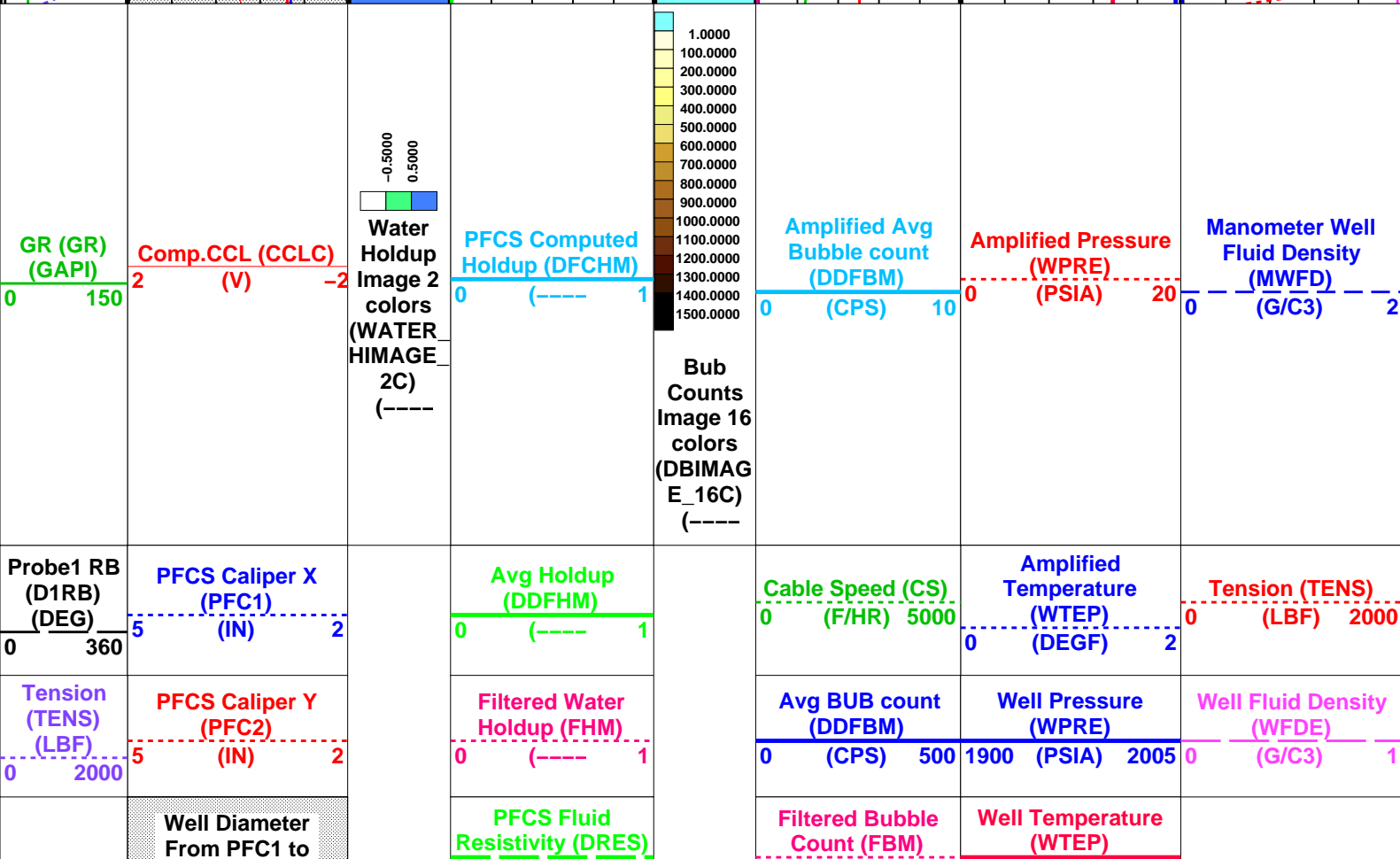
MCM

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

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







PFCs_T1	0 (OHMM) 360	0 (CPS) 500 210 (DEGF) 213
Well Diameter From PFC2 to PFCs_T1		PFCs Spinner (SPIN)
		-15 (RPS) 15
Pipe Ovalisation Between PFC1 and PFC2		

Format: PFCs_Image_DL

Vertical Scale: 1:200

Graphics File Created: 19-Aug-2006 08:23

OP System Version: 14C0-302			
MCM			
PFCs-A	14C0-302	PILs-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-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	50	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	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_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	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	3.5	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-B: Production Services Logging Platform			
CSID	Casing Size I.D.	3.5	IN
GDEV	Average Angular Deviation of Borehole from Normal	50	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	3.5	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.000	IN
DO	Depth Offset for Playback	-0.3	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	FCS_DEFT_GMS_ILS_028LUP	FN:20	PRODUCER	15-Aug-2006 20:02	3348.8 M	3247.2 M
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_129PUP	FN:118	PRODUCER	19-Aug-2006 08:23		

Input DLIS Files

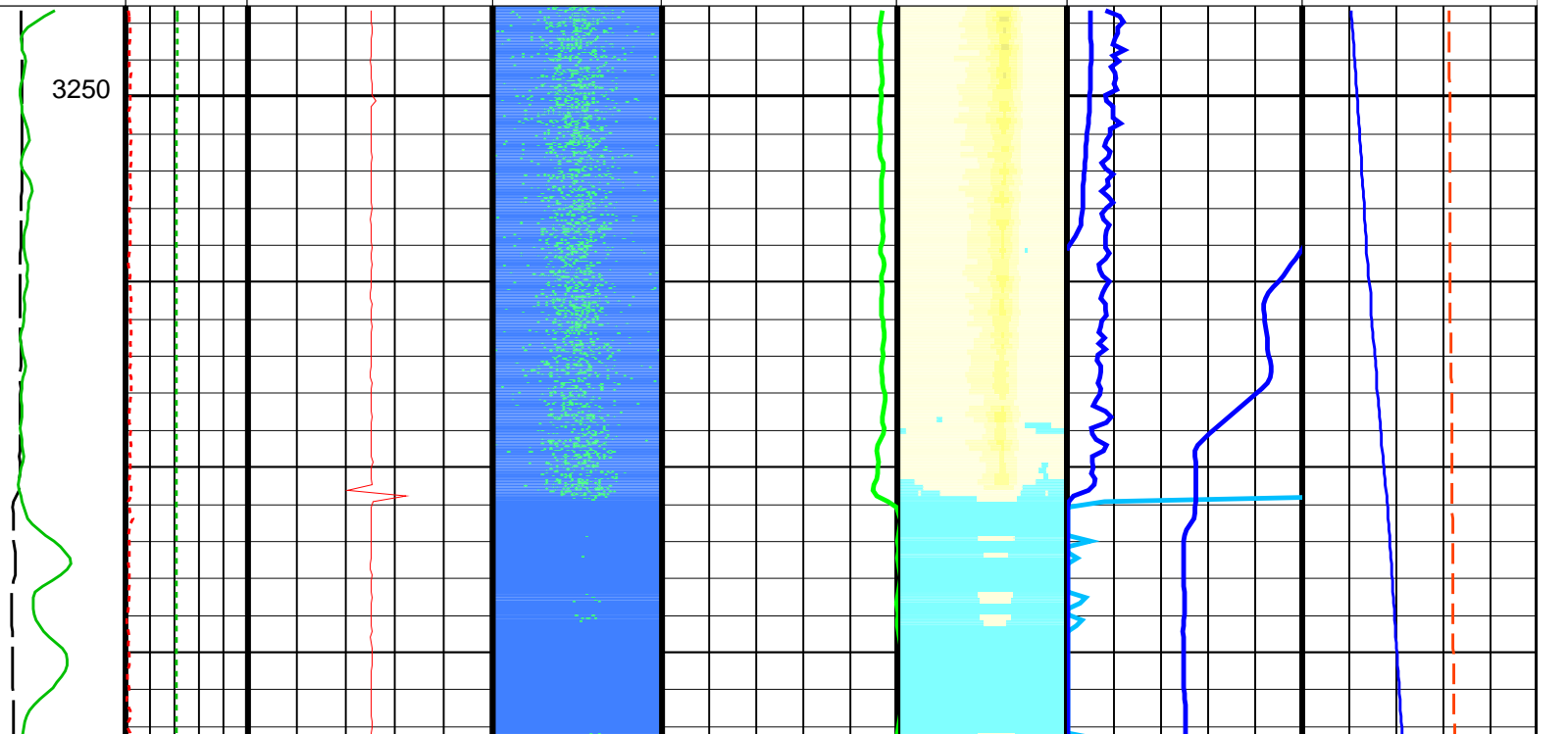
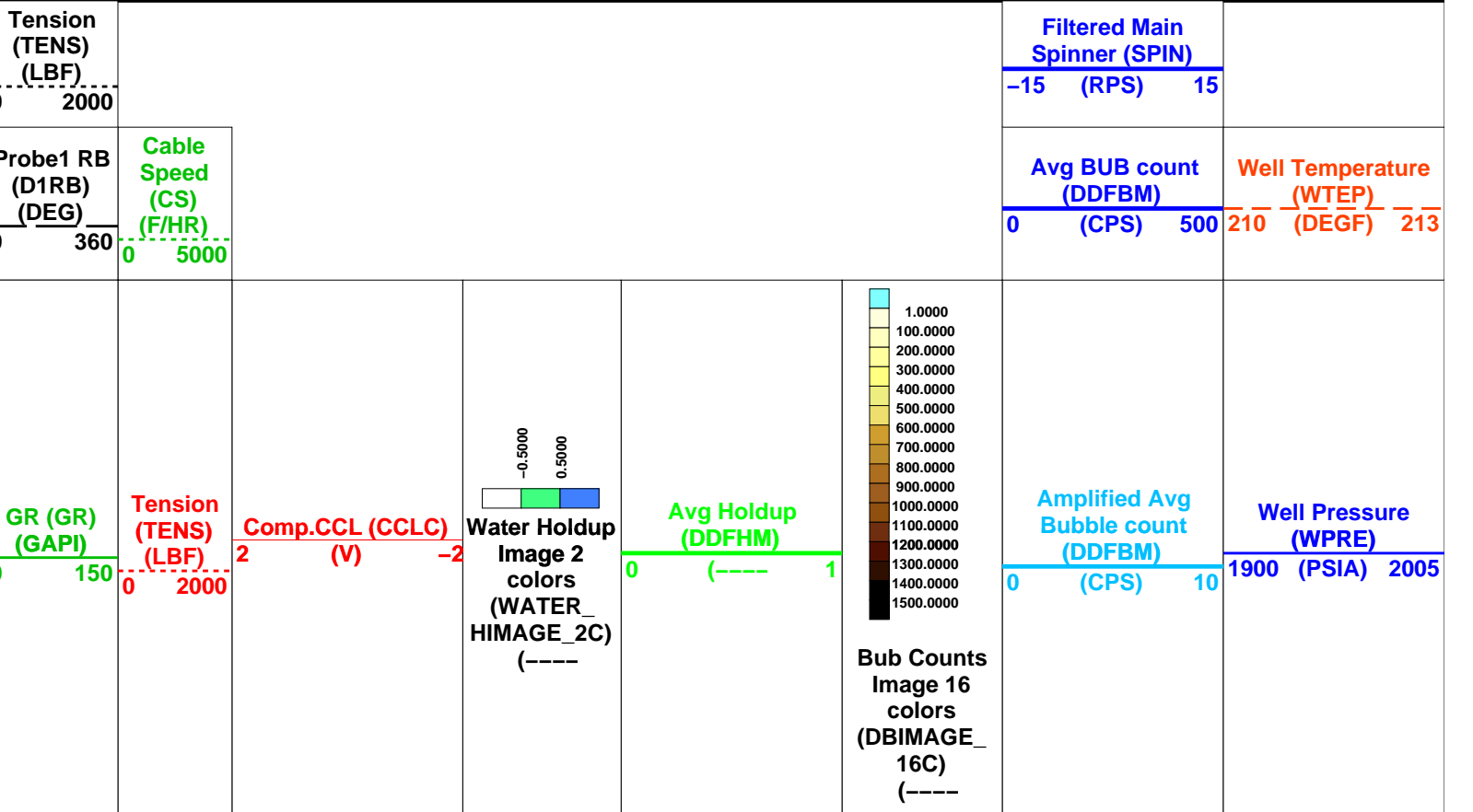
DEFAULT FCS_DEFT_GMS_ILS_028LUP FN:20 PRODUCER 15-Aug-2006 20:02 3348.8 M 3247.2 M

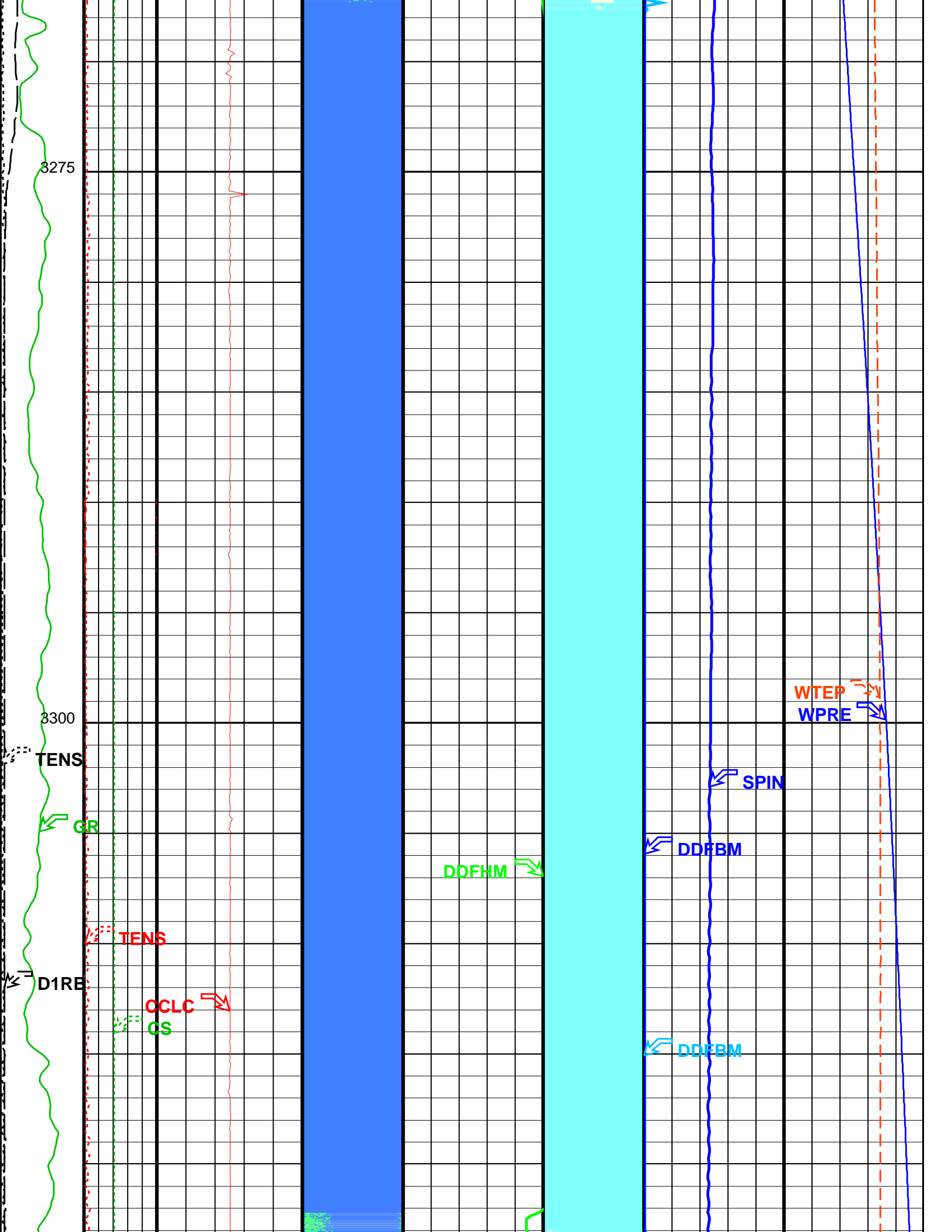
Output DLIS Files

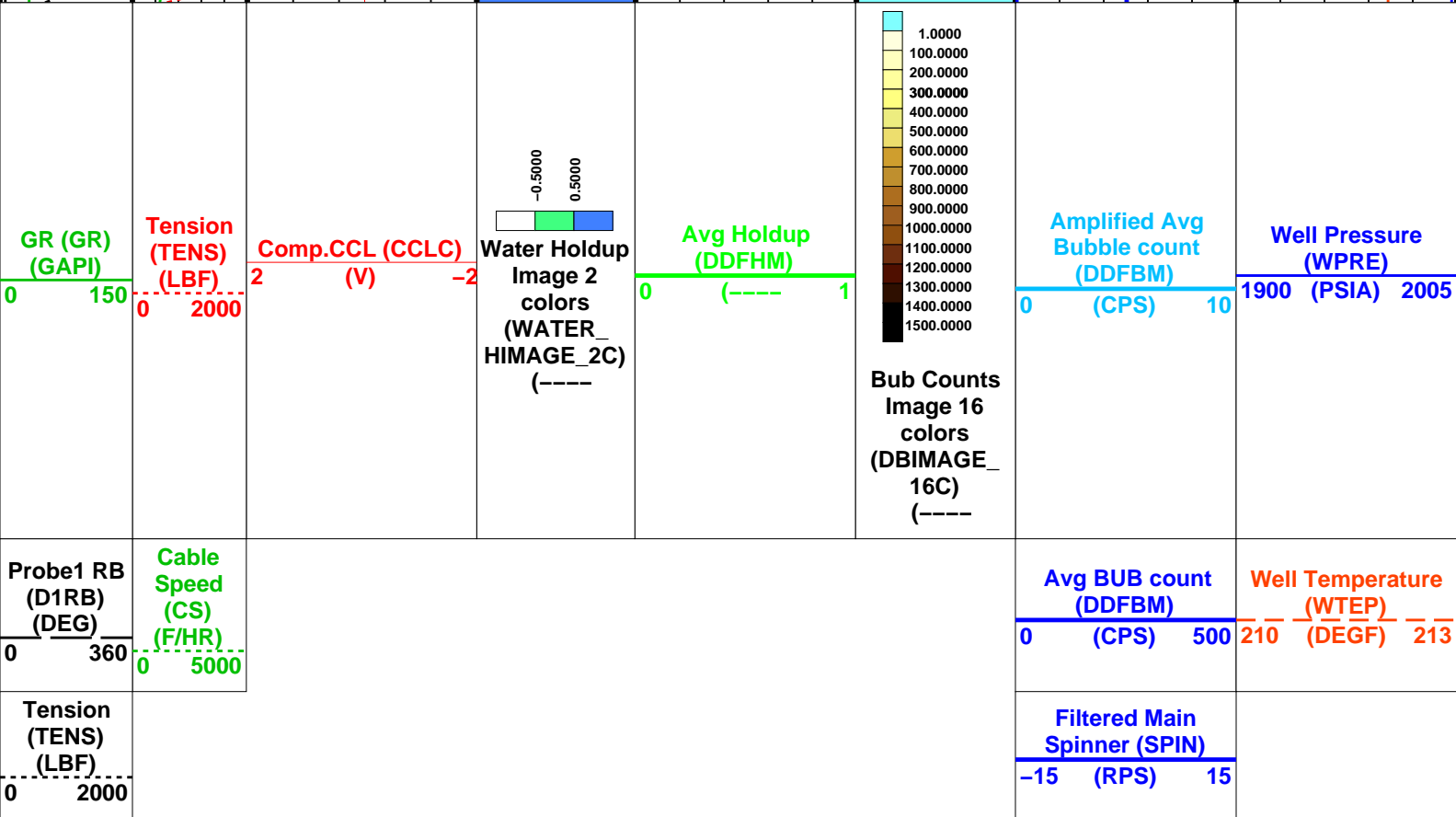
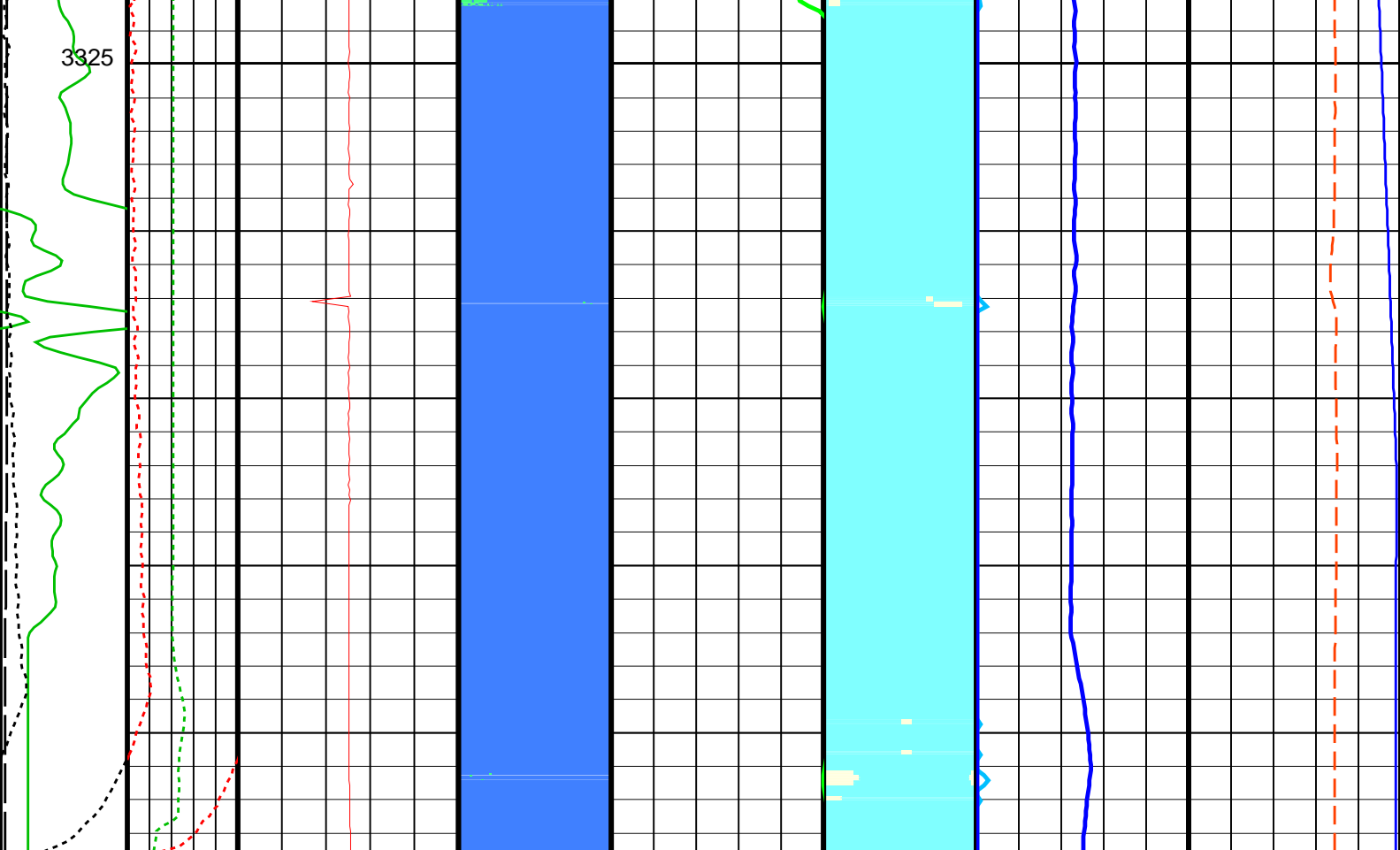
DEFAULT FCS_ILS_DEFT_GMS_129PUP FN:118 PRODUCER 19-Aug-2006 08:23 3348.5 M 3247.5 M

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-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
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	3.5 IN
PSPT-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	-0.3 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_028LUP	FN:20	PRODUCER	15-Aug-2006 20:02	3348.8 M	3247.2 M
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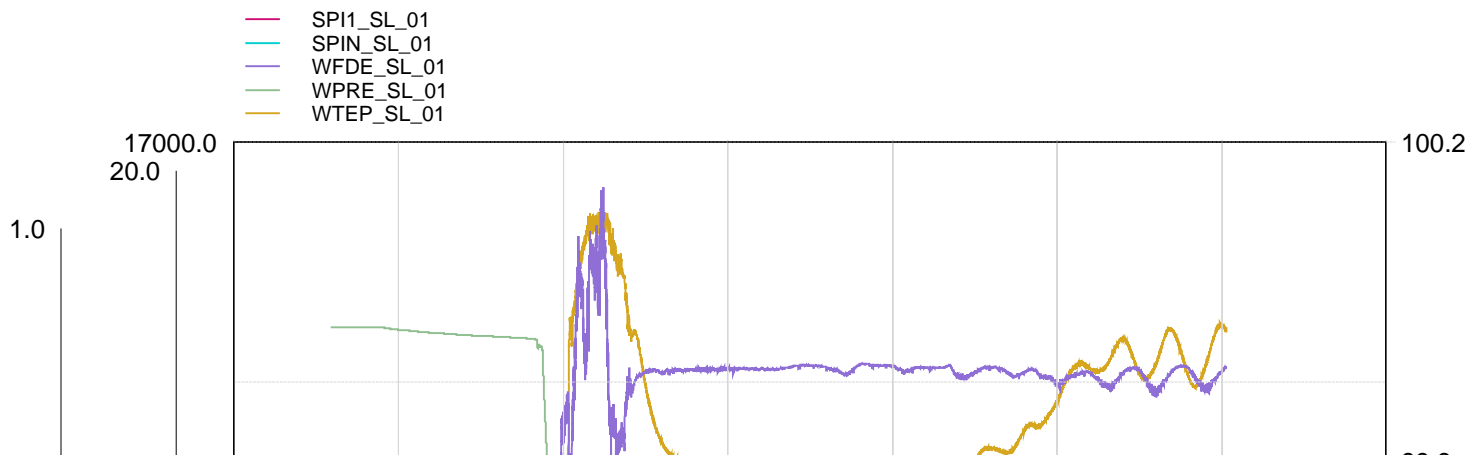
Output DLIS Files

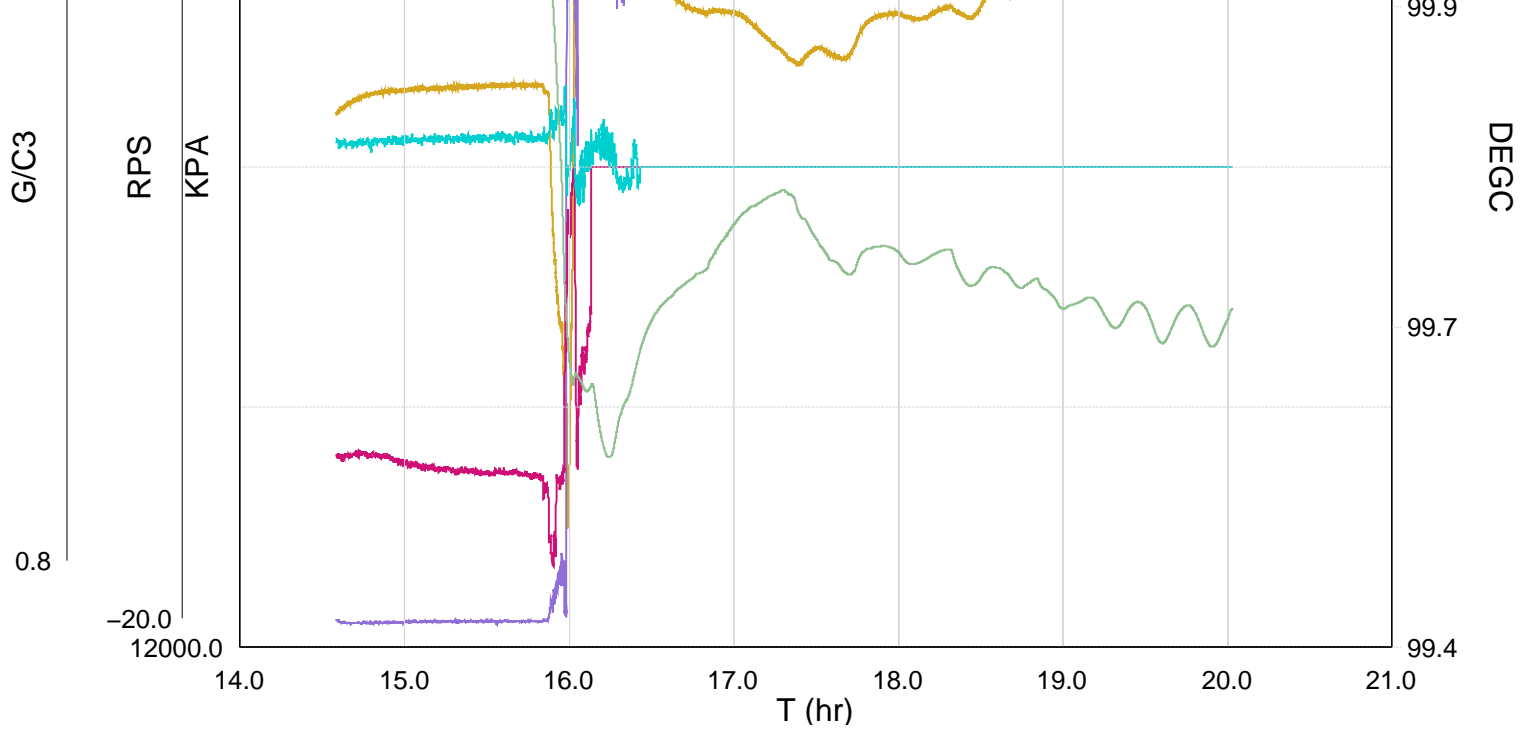
DEFAULT	FCS_ILS_DEFT_GMS_129PUP	FN:118	PRODUCER	19-Aug-2006 08:23
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Schlumberger

Flow Well @ 3340m MDKB

MAXIS Field Log





TIME WTEP_SL	SPIN_SL WPRE_S	SPI1_SL	DFHM_SL	DFHM2_SL	WFDE_SL
11100.0	1.0731	-11.9557	0.0000	0.0000	0.8057
211.7190	2310.8442				
11400.0	1.0399	-11.9283	0.0000	0.0331	0.8051
211.7318	2310.9683				
11700.0	1.0236	-11.8706	0.0000	0.0071	0.8051
211.7430	2311.0872				
12000.0	0.9492	-11.9151	0.0004	0.0182	0.8050
211.7484	2311.0702				
12300.0	0.9393	-11.9332	0.0000	0.0377	0.8052
211.7531	2310.8258				
12600.0	1.0512	-12.2831	0.0000	0.0184	0.8051
211.7545	2309.4136				
12900.0	1.1323	-12.4279	0.0000	0.0274	0.8054
211.7586	2308.5382				
13200.0	1.1352	-12.6038	0.0000	0.0449	0.8054
211.7569	2307.4758				
13500.0	1.1348	-12.5444	0.0000	0.0194	0.8055
211.7574	2306.6259				
13800.0	1.1263	-12.7804	0.0000	0.0357	0.8053
211.7595	2305.9480				
14100.0	1.2118	-12.6979	0.0000	0.0291	0.8052
211.7601	2305.2244				
14400.0	1.2563	-12.7651	0.0000	0.0188	0.8053
211.7590	2304.6511				
14700.0	1.2723	-12.7154	0.0000	0.0227	0.8048
211.7638	2304.1827				
15000.0	1.1431	-12.7121	0.0000	0.0295	0.8055
211.7609	2303.6667				
15300.0	1.3238	-12.8184	0.0000	0.0144	0.8055
211.7623	2303.0368				
15600.0	1.2002	-12.8937	0.0003	0.0372	0.8053
211.7616	2302.3736				
15900.0	2.3729	-16.0669	0.0039	0.0420	0.8097

211.6240	2242.9983				
16200.0	3.3435	−8.1689	0.0094	0.0434	0.8067
211.2917	1998.5271				
16500.0	−1.5156	−9.1989	0.9589	0.9429	0.9409
212.0739	1929.0923				
16800.0	0.7735	0.0000	0.9280	0.9789	0.9524
212.2165	1924.8235				
17100.0	1.0036	0.0000	0.9321	0.9632	0.9743
212.2496	1871.6451				
17400.0	−0.7381	0.0000	0.9898	0.9800	0.9422
212.1970	1899.4206				
17700.0	0.2387	0.0000	0.9985	0.9952	0.9472
212.1115	1928.6085				
18000.0	0.0000	0.0000	1.0000	1.0000	0.9513
212.0359	1965.3994				
18300.0	0.0000	0.0000	1.0000	1.0000	0.9526
211.9349	1983.0916				
18600.0	0.0000	0.0000	1.0000	1.0000	0.9519
211.8929	1993.3319				
18900.0	0.0000	0.0000	1.0000	1.0000	0.9526
211.8798	2002.1387				
19200.0	0.0000	0.0000	1.0000	1.0000	0.9527
211.8724	2008.8352				
19500.0	0.0000	0.0000	1.0000	1.0000	0.9527
211.8728	2024.4906				
19800.0	0.0000	0.0000	1.0000	1.0000	0.9529
211.8713	2040.2347				
20100.0	0.0000	0.0000	1.0000	1.0000	0.9527
211.8662	2053.4844				
20400.0	0.0000	0.0000	1.0000	1.0000	0.9527
211.8457	2059.8788				
20700.0	0.0000	0.0000	1.0000	1.0000	0.9526
211.8288	2066.6982				
21000.0	0.0000	0.0000	1.0000	1.0000	0.9526
211.8091	2071.0200				
21300.0	0.0000	0.0000	1.0000	1.0000	0.9532
211.7952	2055.2307				
21600.0	0.0000	0.0000	1.0000	1.0000	0.9535
211.8153	2039.6511				
21900.0	0.0000	0.0000	1.0000	1.0000	0.9532
211.8163	2023.9651				
22200.0	0.0000	0.0000	1.0000	1.0000	0.9526
211.8056	2014.4657				
22500.0	0.0000	0.0000	1.0000	1.0000	0.9517
211.8182	2008.4409				
22800.0	0.0000	0.0000	1.0000	1.0000	0.9537
211.8540	2026.5047				
23100.0	0.0000	0.0000	1.0000	1.0000	0.9536
211.8675	2028.4111				
23400.0	0.0000	0.0000	1.0000	1.0000	0.9535
211.8682	2026.5074				
23700.0	0.0000	0.0000	1.0000	1.0000	0.9523
211.8640	2015.8664				
24000.0	0.0000	0.0000	1.0000	1.0000	0.9530
211.8628	2017.0089				
24300.0	0.0000				

Input DLIS Files

DEFAULT FCS_DEFT_GMS_ILS_026LUP FN:18 PRODUCER 15-Aug-2006 14:15 3386.9 M 3250.5 M

Output DLIS Files

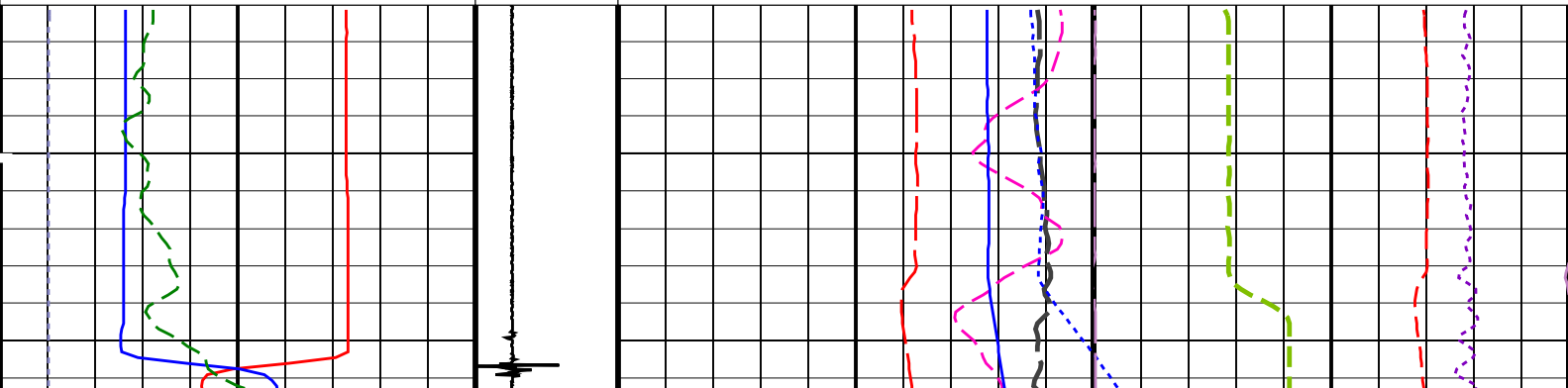
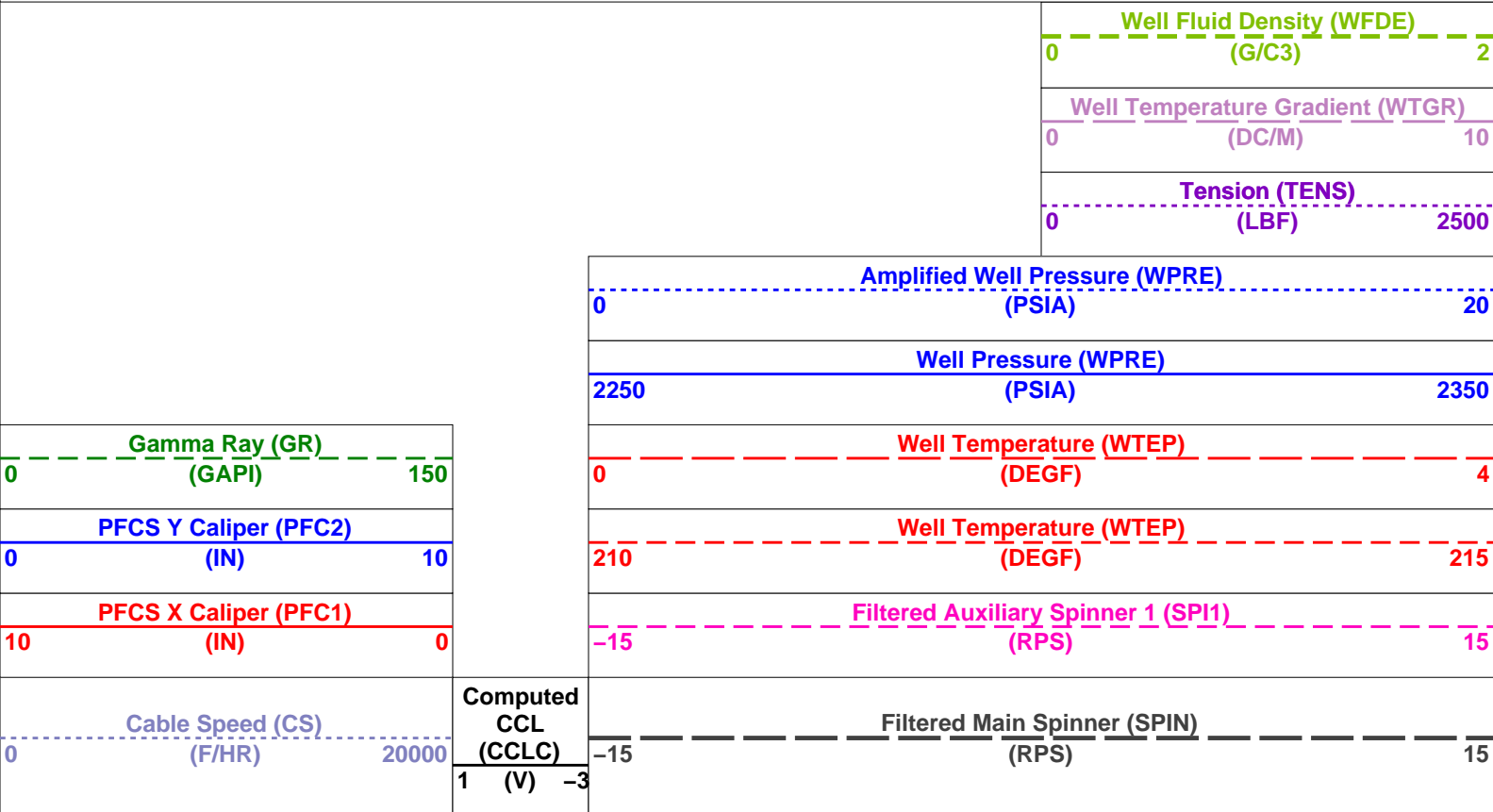
DEFAULT FCS_DEFT_GMS_ILS_064PUP FN:55 PRODUCER 16-Aug-2006 13:52 3386.9 M 3251.0 M

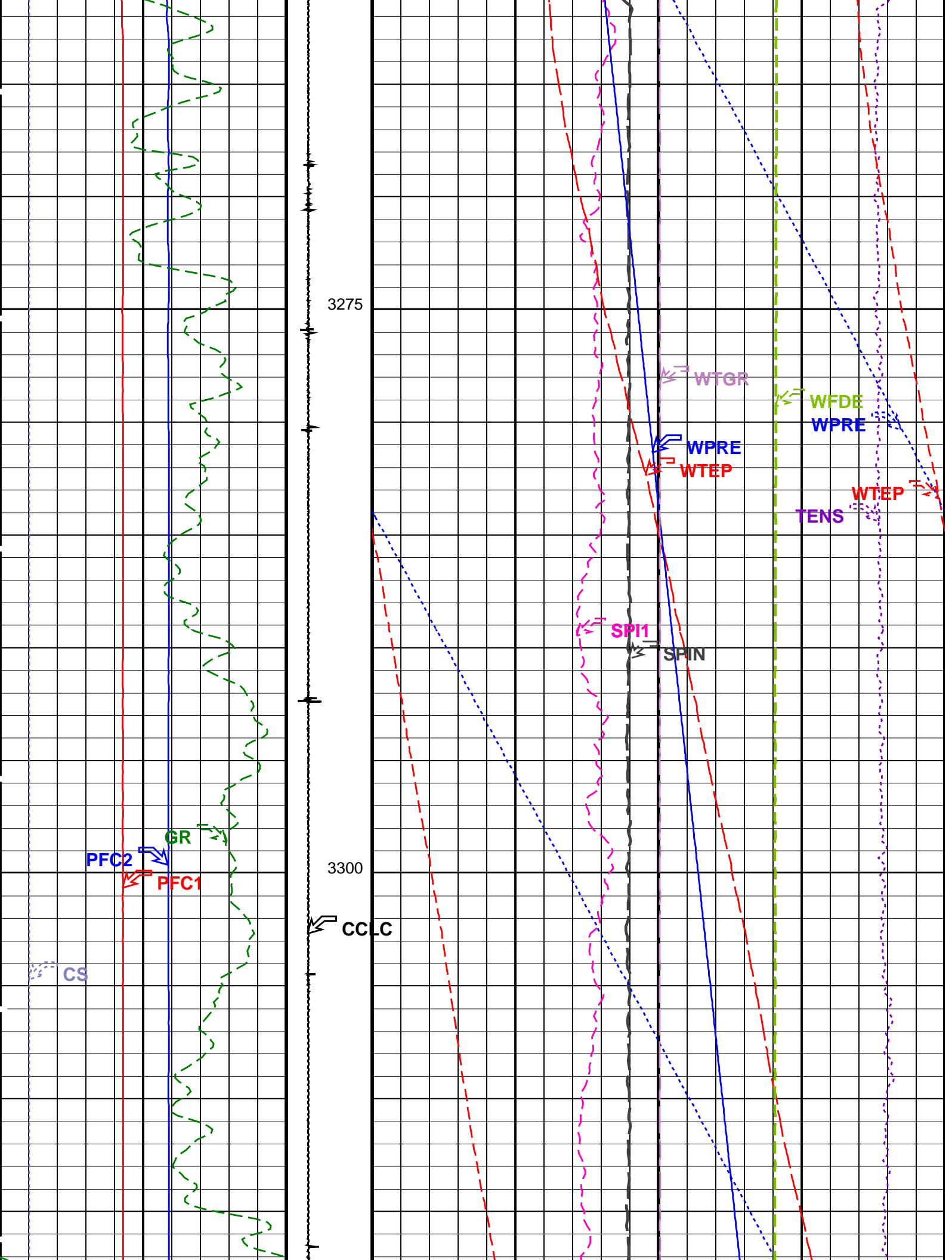
OP System Version: 14C0-302
MCM

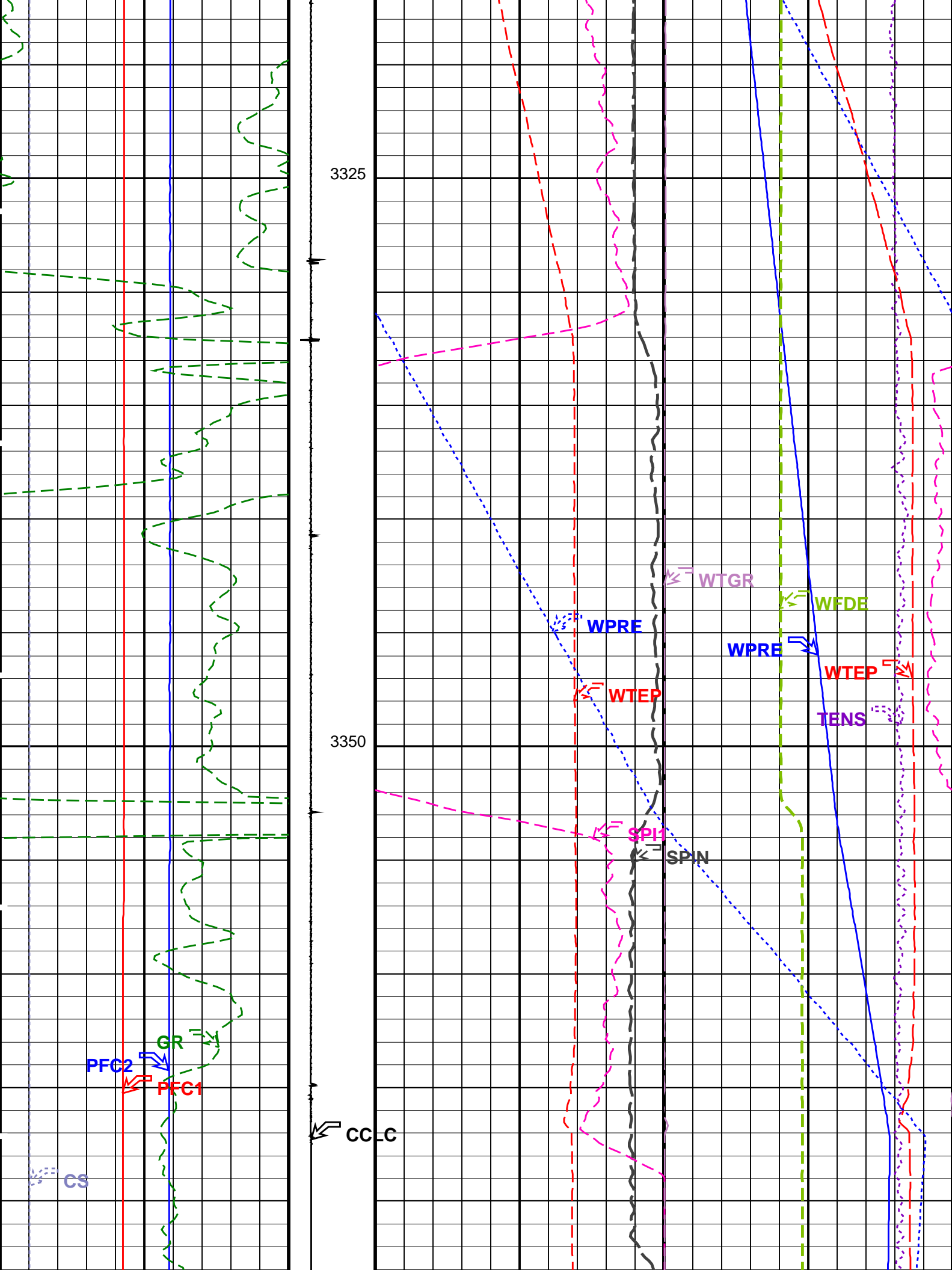
PFCS-A 14C0-302 DEFT-C2 14C0-302
PGMC-A/B 14C0-302 PILS-A 14C0-302
PSPT-B 14C0-302

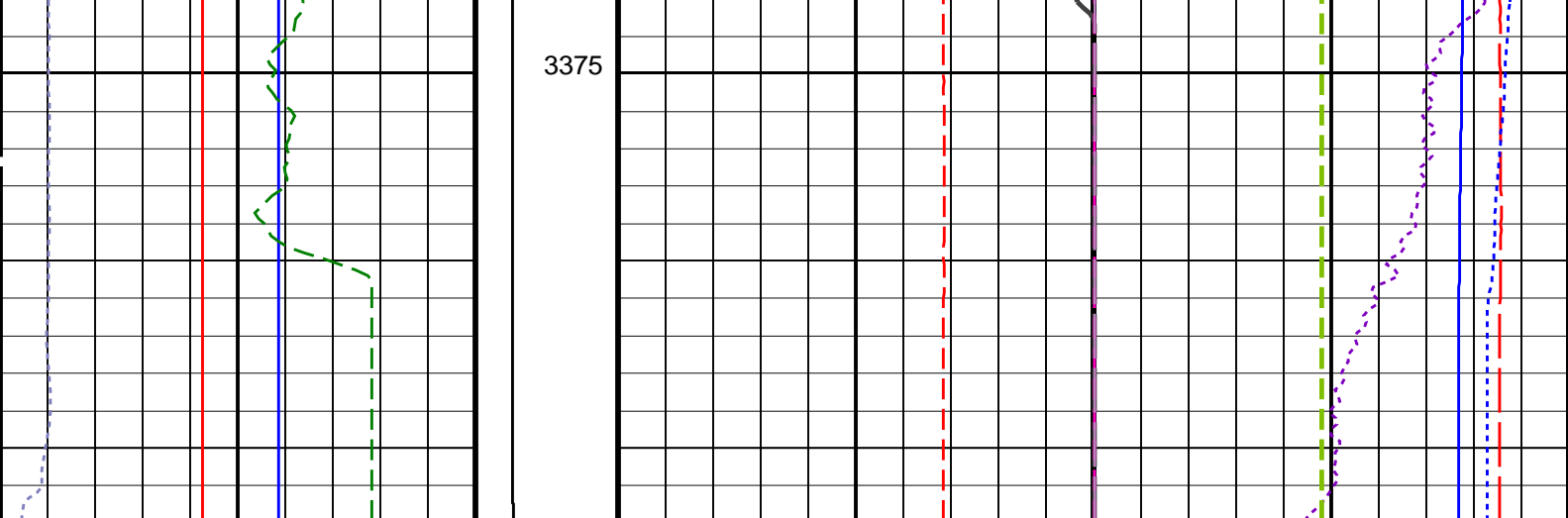
PIP SUMMARY

Time Mark Every 60 S









<div>Cable Speed (CS) (F/HR)</div> <div>020000</div>	<div>Computed CCL (CCLC)</div> <div>1 (V) -3</div>	<div>Filtered Main Spinner (SPIN)</div> <div>-15 (RPS) 15</div>
<div>PFCS X Caliper (PFC1)</div> <div>10 (IN) 0</div>		<div>Filtered Auxiliary Spinner 1 (SPI1)</div> <div>-15 (RPS) 15</div>
<div>PFCS Y Caliper (PFC2)</div> <div>0 (IN) 10</div>		<div>Well Temperature (WTEP)</div> <div>210 (DEGF) 215</div>
<div>Gamma Ray (GR)</div> <div>0 (GAPI) 150</div>		<div>Well Temperature (WTEP)</div> <div>0 (DEGF) 4</div>
		<div>Well Pressure (WPRE)</div> <div>2250 (PSIA) 2350</div>
		<div>Amplified Well Pressure (WPRE)</div> <div>0 (PSIA) 20</div>
		<div>Tension (TENS)</div> <div>0 (LBF) 2500</div>
		<div>Well Temperature Gradient (WTGR)</div> <div>0 (DC/M) 10</div>
		<div>Well Fluid Density (WFDE)</div> <div>0 (G/C3) 2</div>

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200

Graphics File Created: 16-Aug-2006 13:52

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	DEFT-C2	14C0-302
PGMC-A/B	14C0-302	PILS-A	14C0-302
PSPT-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_TURB
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
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE

AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	6
SDCF	Spinner Depth Constant Filter	PILS-A	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PFCs-A_TURB	
SPIN	Main Spinner Flowmeter Sonde		
PSPT-B: Production Services Logging Platform			
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT FCS_DEFT_GMS_ILS_026LUP FN:18 PRODUCER 15-Aug-2006 14:15 3386.9 M 3250.5 M

Output DLIS Files

DEFAULT FCS_DEFT_GMS_ILS_064PUP FN:55 PRODUCER 16-Aug-2006 13:52

Input DLIS Files

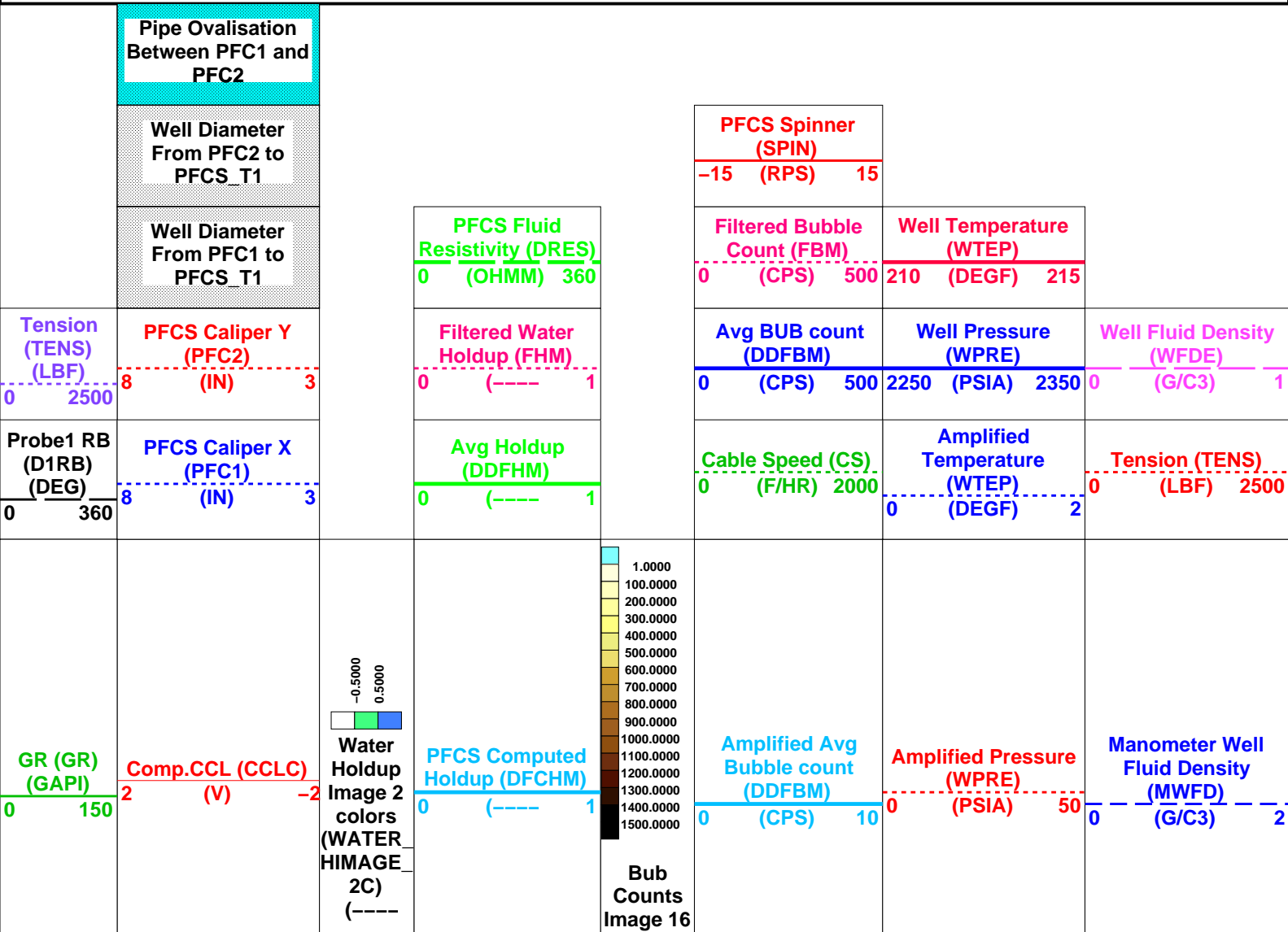
DEFAULT FCS_DEFT_GMS_ILS_026LUP FN:18 PRODUCER 15-Aug-2006 14:15 3386.9 M 3250.5 M

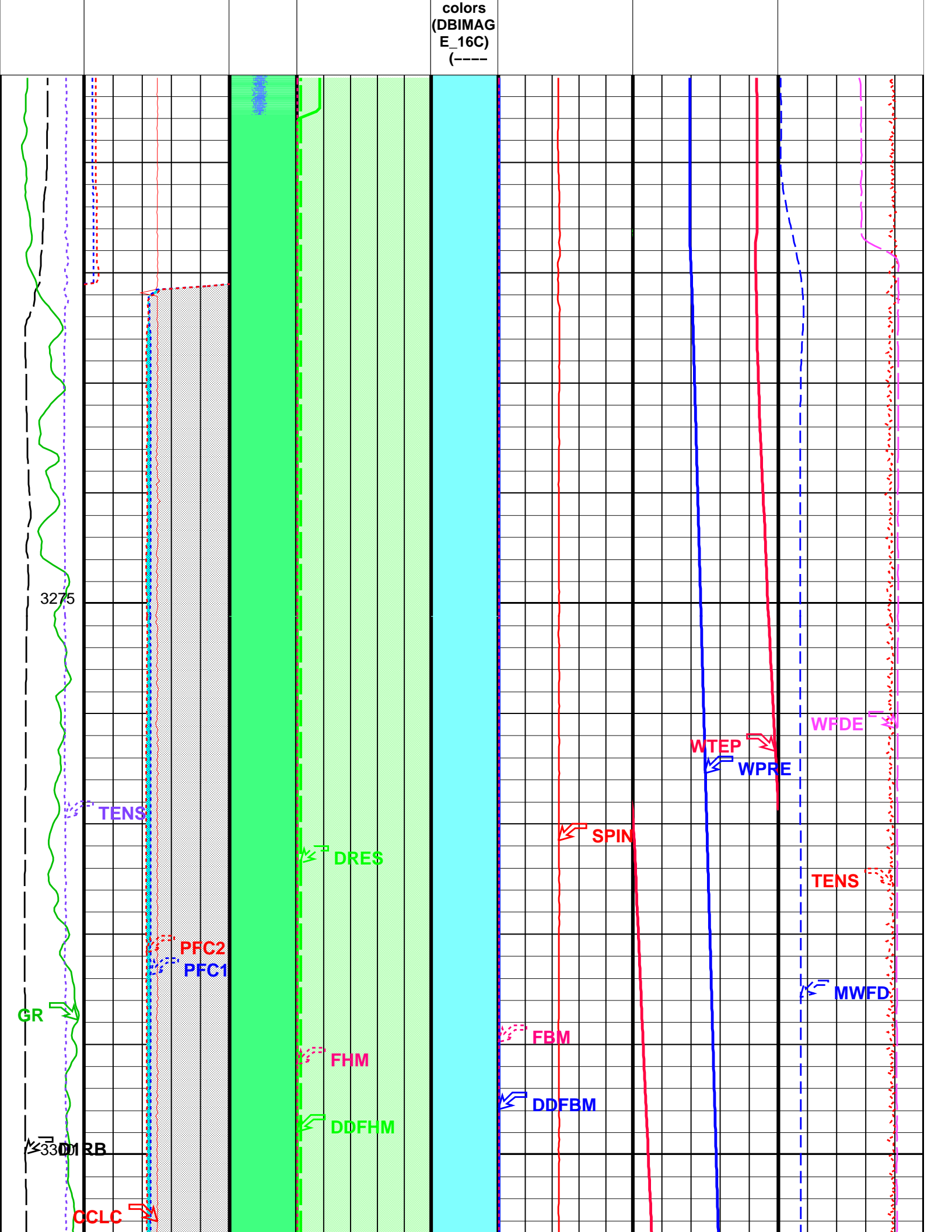
Output DLIS Files

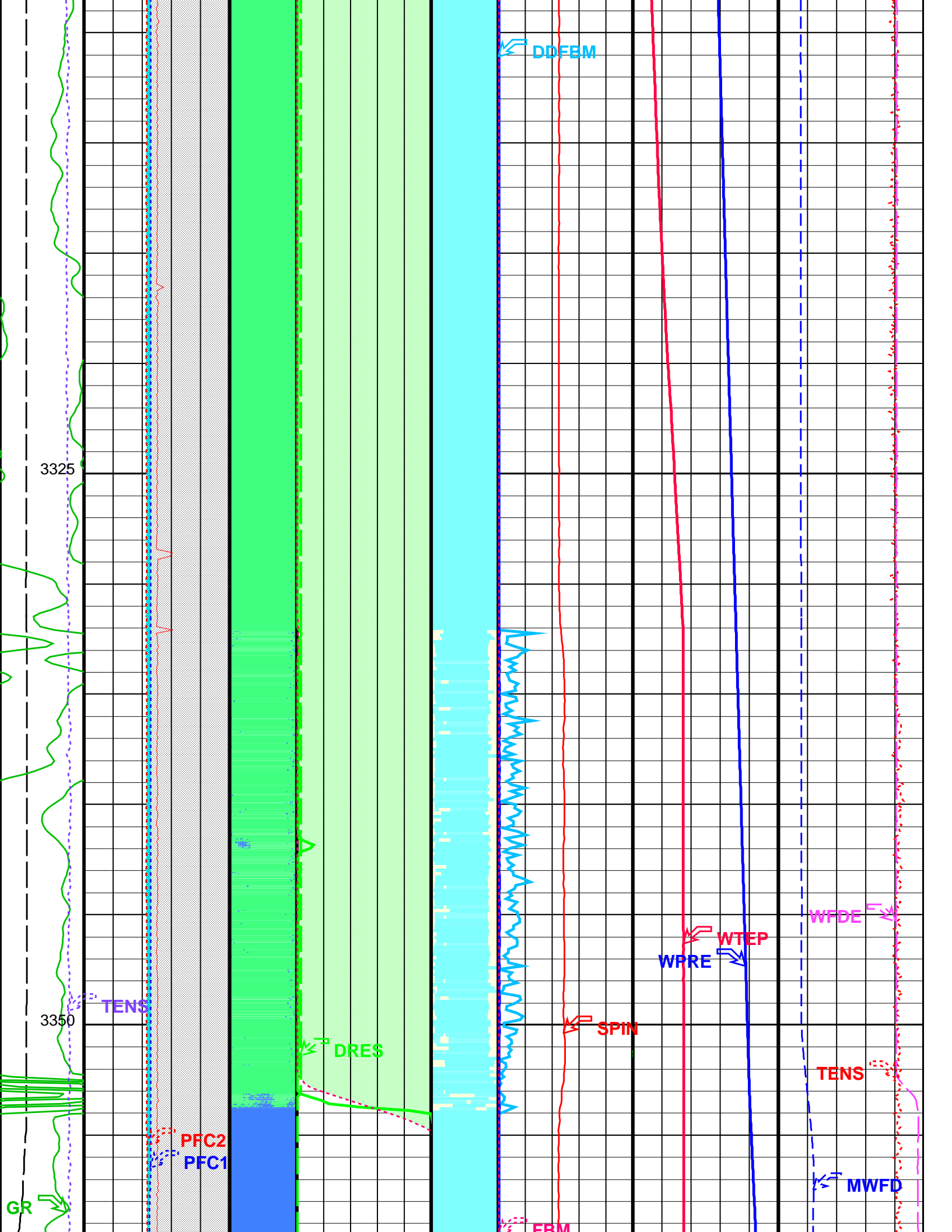
DEFAULT FCS_DEFT_GMS_ILS_064PUP FN:55 PRODUCER 16-Aug-2006 13:52 3386.9 M 3251.0 M

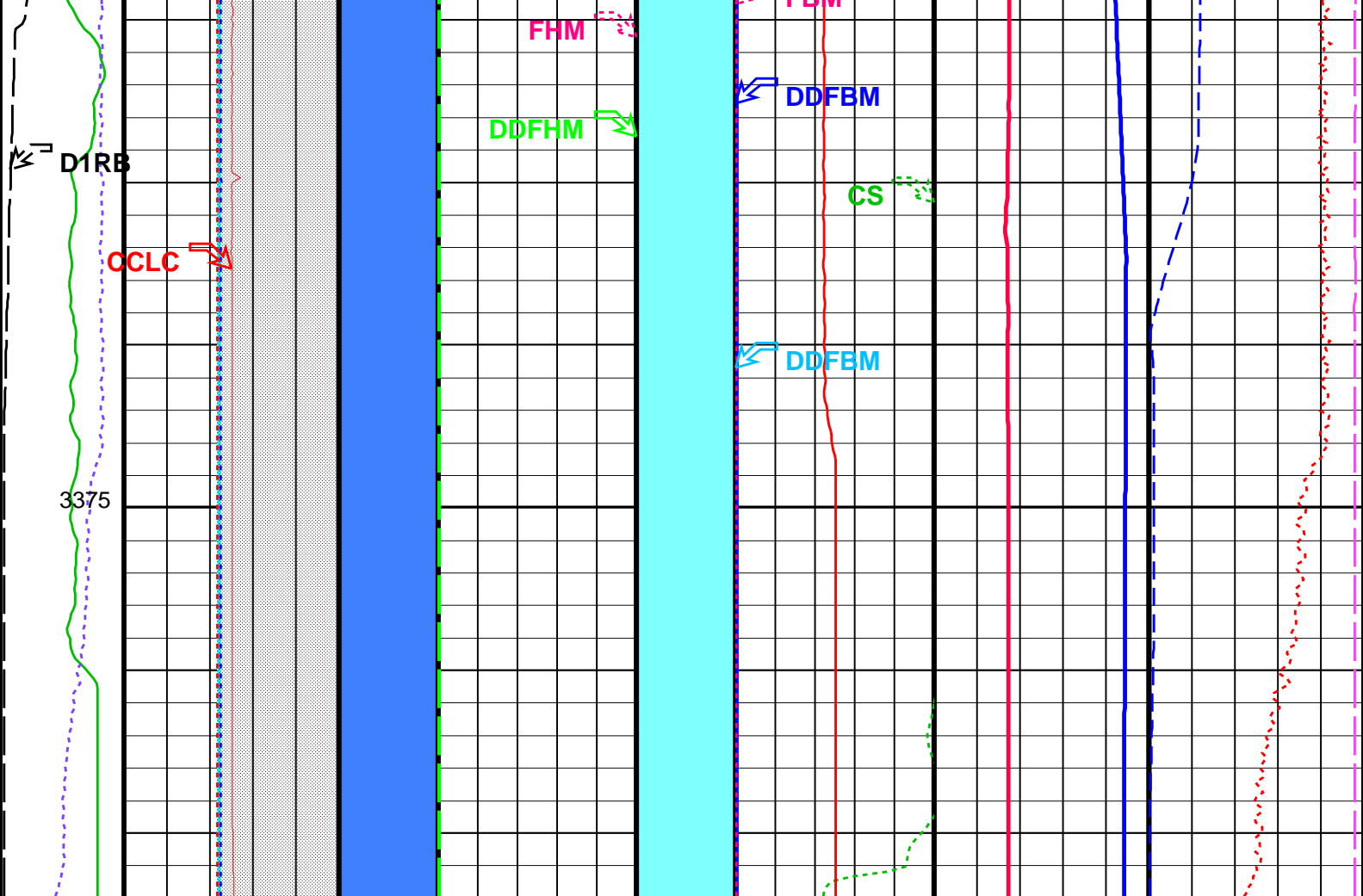
OP System Version: 14C0-302
MCM

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









<div>GR (GR) (GAPI)</div> <div>0150</div>	<div>Comp.CCL (CCLC) (V)</div> <div>2-2</div>	<div><div><div>-0.5000</div><div>0.5000</div></div><div>Water Holdup Image 2 colors (WATER HIMAGE 2C) (----)</div></div>	<div>PFCs Computed Holdup (DFCHM)</div> <div>0(----)1</div>	<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>Bub Counts Image 16 colors (DBIMAG E_16C) (----)</div></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>0-2</div>
<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</div>	<div>PFCs Caliper X (PFC1) (IN)</div> <div>83</div>		<div>Avg Holdup (DDFBM)</div> <div>0(----)1</div>		<div>Cable Speed (CS) (F/HR)</div> <div>02000</div>	<div>Amplified Temperature (WTEP) (DEGF)</div> <div>02</div>	<div>Tension (TENS) (LBF)</div> <div>02500</div>
<div>Tension (TENS) (LBF)</div> <div>02500</div>	<div>PFCs Caliper Y (PFC2) (IN)</div> <div>83</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>22502350</div>		<div>Well Fluid Density (WFDE) (G/C3)</div> <div>01</div>
	<div>Well Diameter From PFC1 to PFCs_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>210215</div>		
	<div>Well Diameter</div>			<div>PFCs Spinner (SPIN)</div>			

From PFC2 to
PFCS_T1

(SPIN)
-15 (RPS) 15

Pipe Ovalisation
Between PFC1 and
PFC2

Format: PFCS_Image_DL Vertical Scale: 1:200 Graphics File Created: 16-Aug-2006 13:52

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	DEFT-C2	14C0-302
PGMC-A/B	14C0-302	PILS-A	14C0-302
PSPT-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
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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	3.5 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
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
PSPT-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	7.000 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	RECOMPUTE

Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_026LUP	FN:18	PRODUCER	15-Aug-2006 14:15	3386.9 M	3250.5 M
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Output DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_064PUP	FN:55	PRODUCER	16-Aug-2006 13:52
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Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_026LUP	FN:18	PRODUCER	15-Aug-2006 14:15	3386.9 M	3250.5 M
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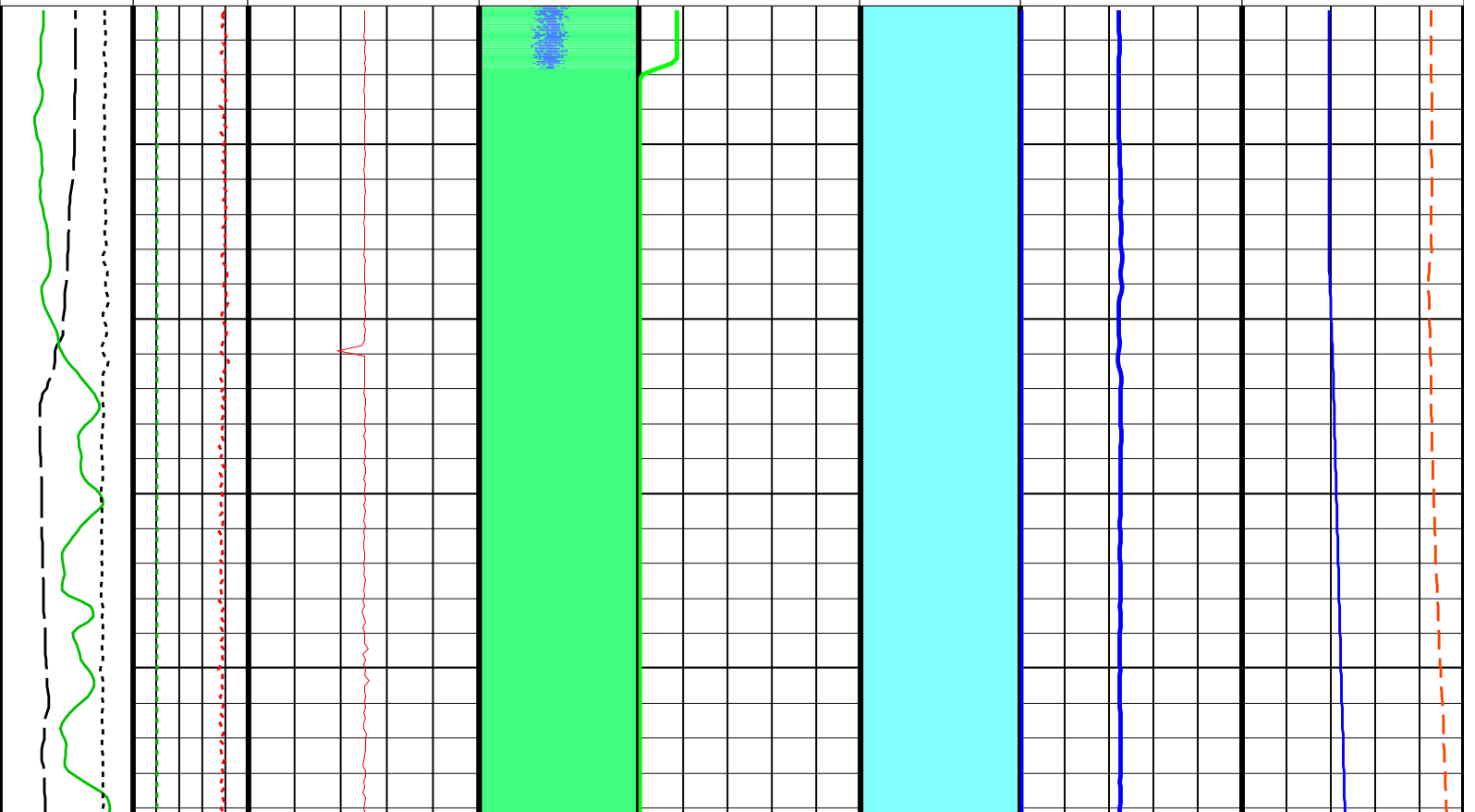
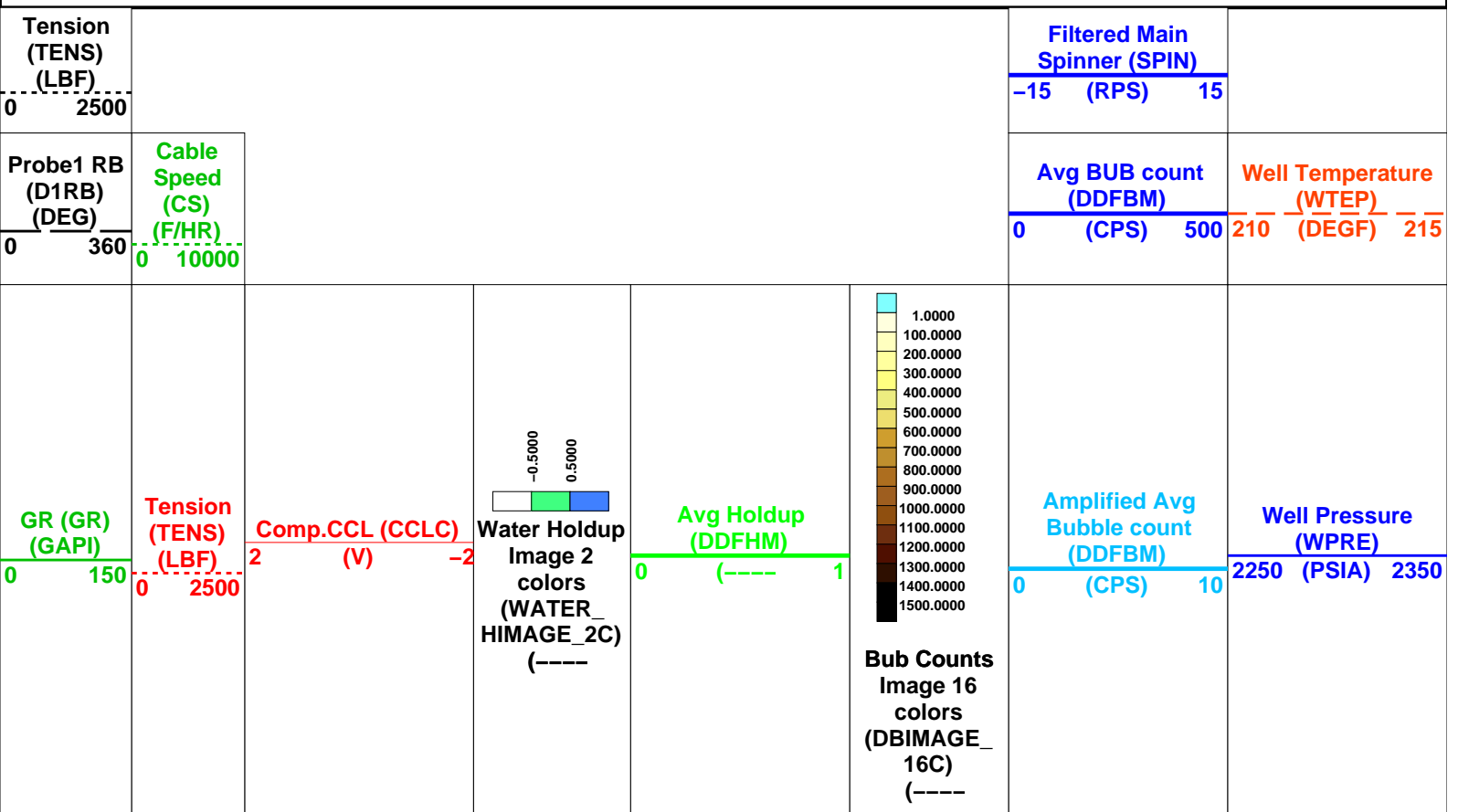
Output DLIS Files

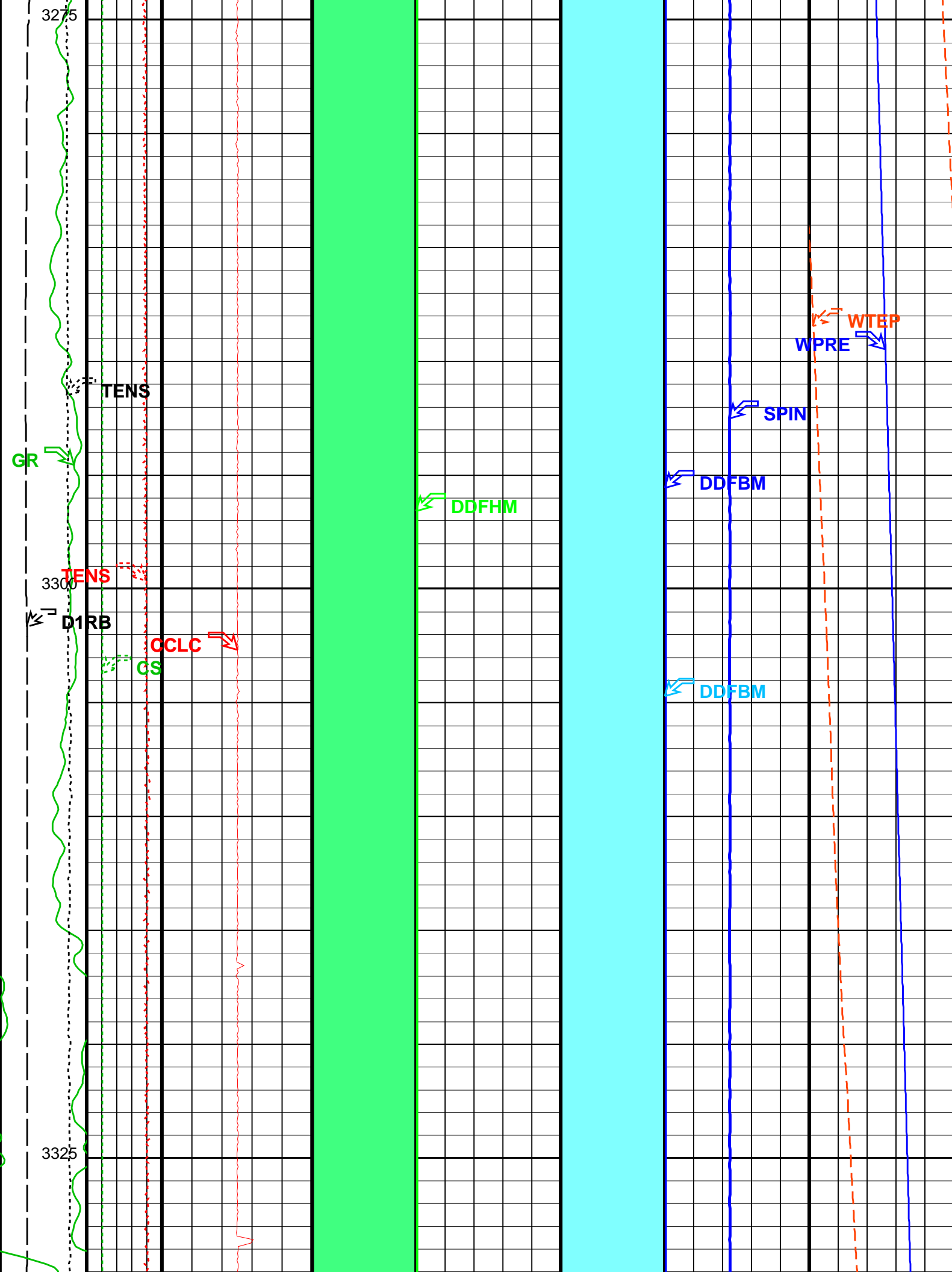
DEFAULT FCS_DEFT_GMS_ILS_064PUP FN:55 PRODUCER 16-Aug-2006 13:52 3386.9 M 3251.0 M

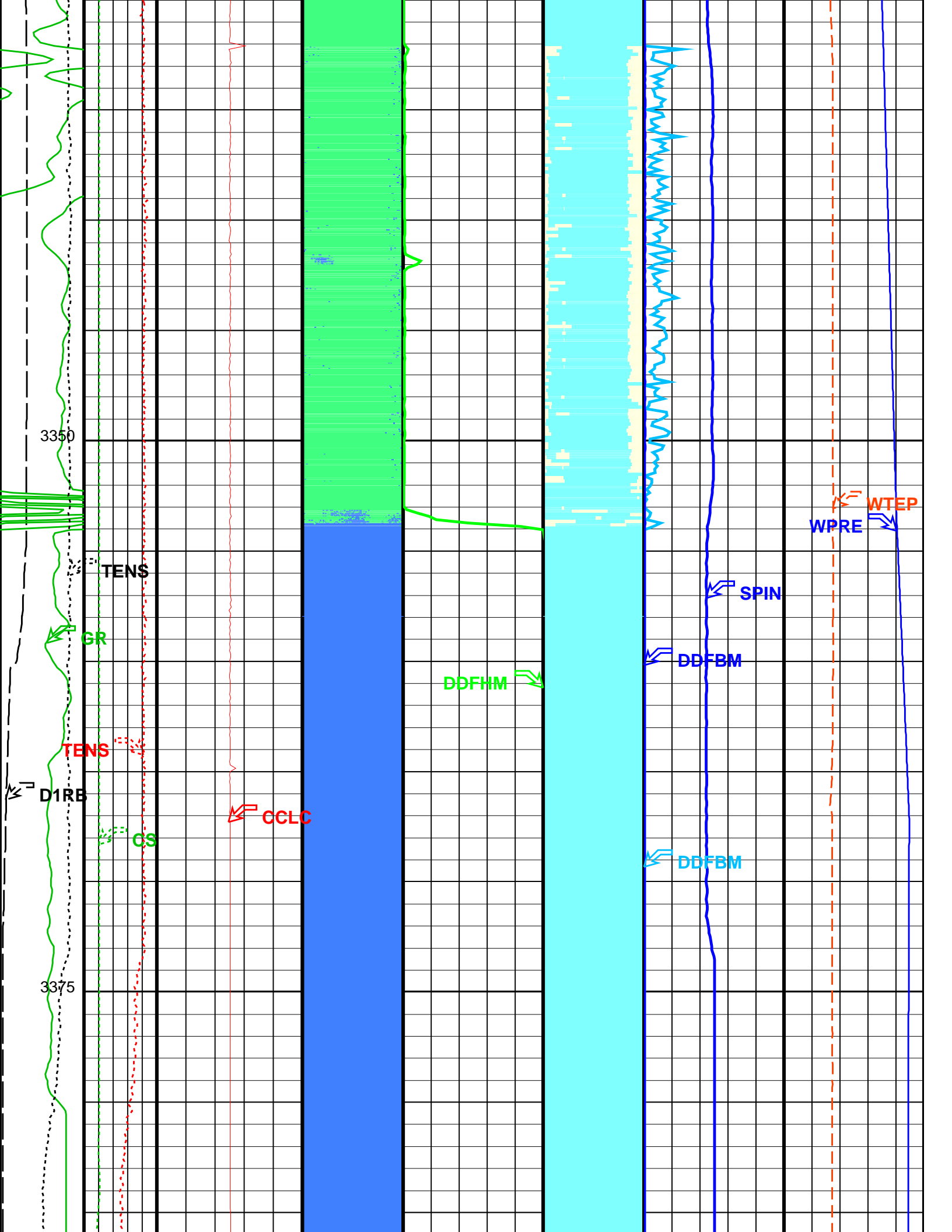
OP System Version: 14C0-302

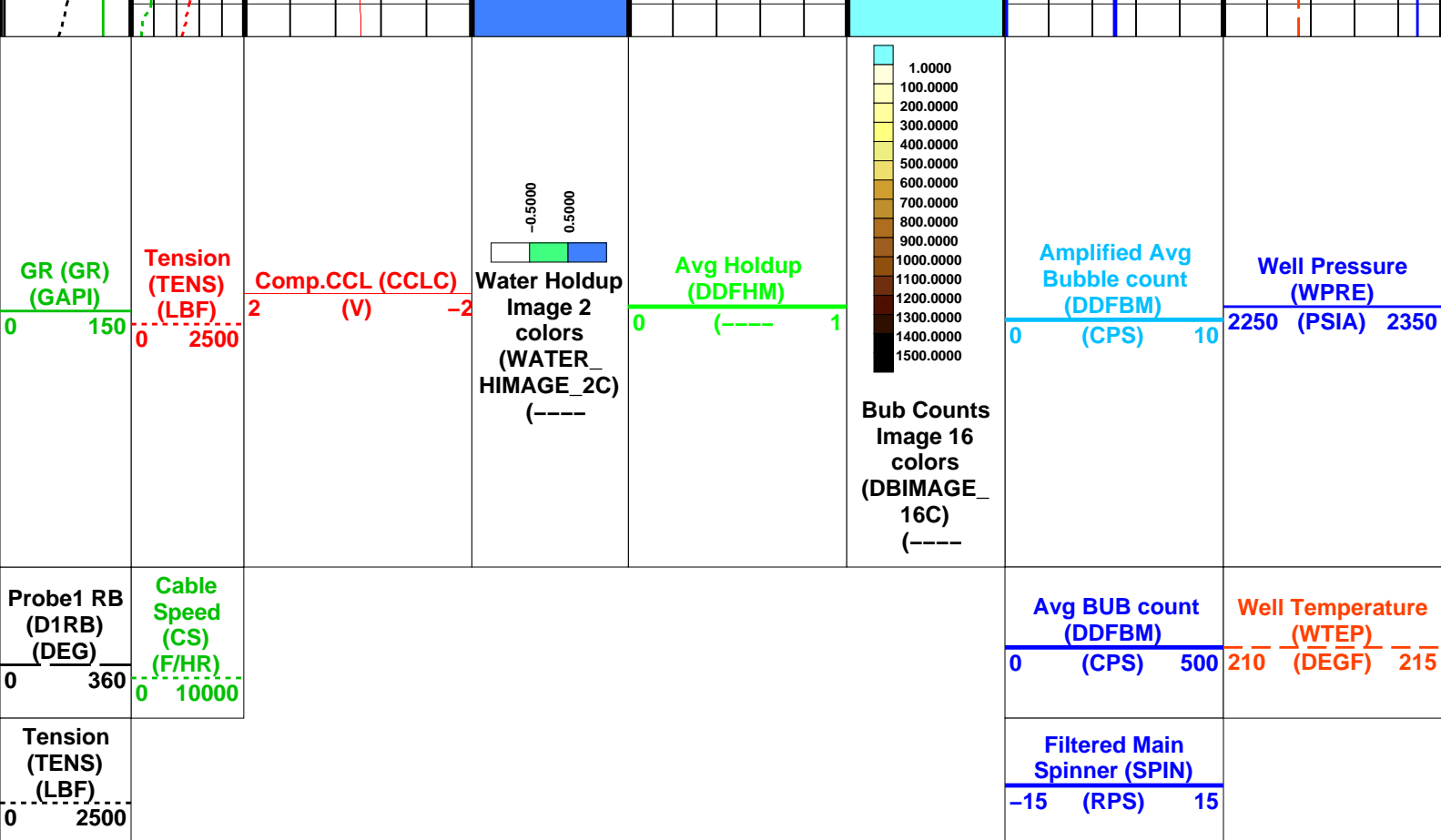
MCM

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









Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 16-Aug-2006 13:52

OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	DEFT-C2	14C0-302
PGMC-A/B	14C0-302	PILS-A	14C0-302
PSPT-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
DDFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
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
DDFI	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.	3.5 IN
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
PSPT-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	0.0 M

PP	Playback Processing			RECOMPUTE		
Input DLIS Files						
DEFAULT	FCS_DEFT_GMS_ILS_026LUP	FN:18	PRODUCER	15-Aug-2006 14:15	3386.9 M	3250.5 M
Output DLIS Files						
DEFAULT	FCS_DEFT_GMS_ILS_064PUP	FN:55	PRODUCER	16-Aug-2006 13:52		



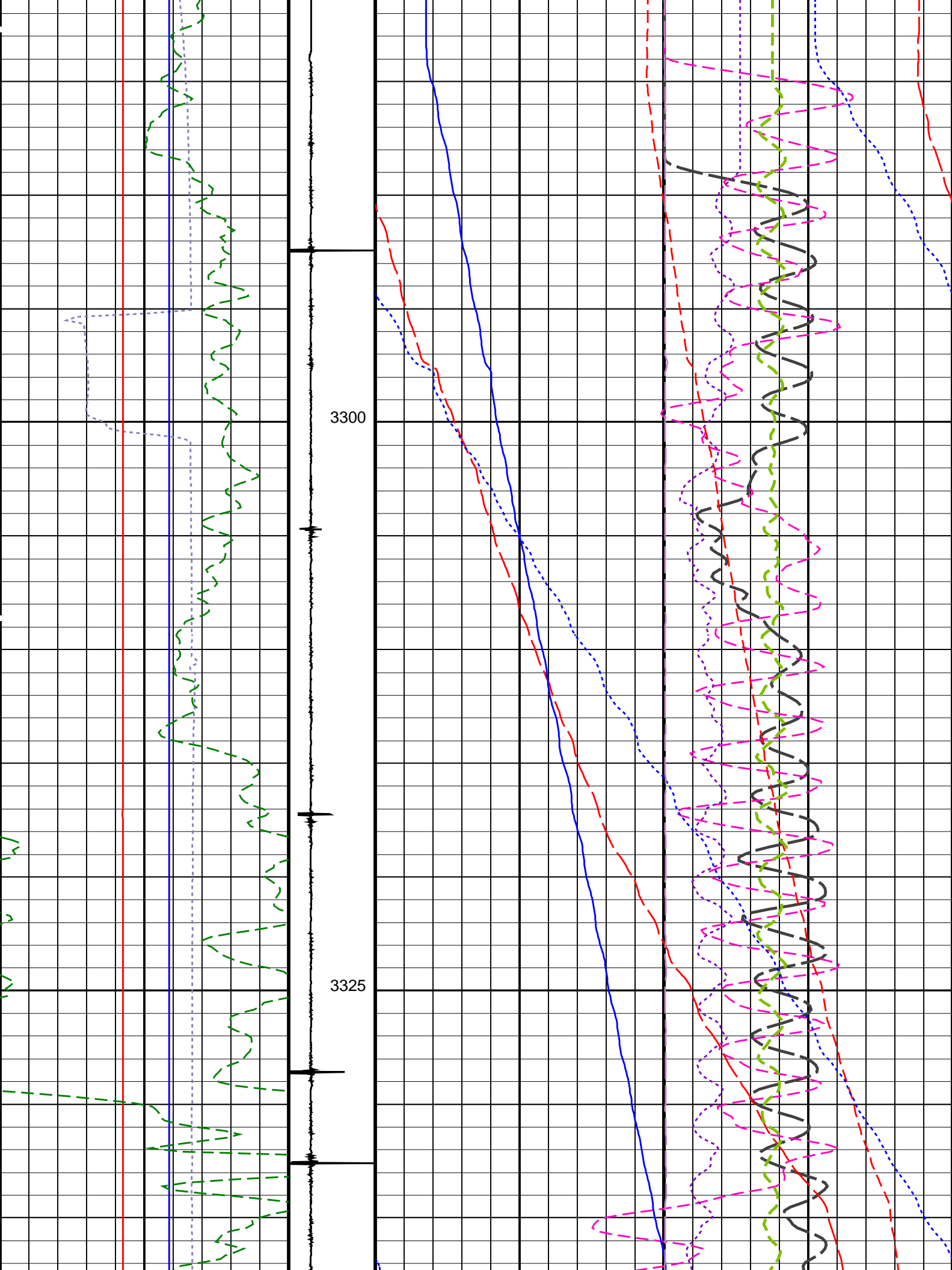
Log Down to HUD 3373m MDKB
6500 ft/hr Static

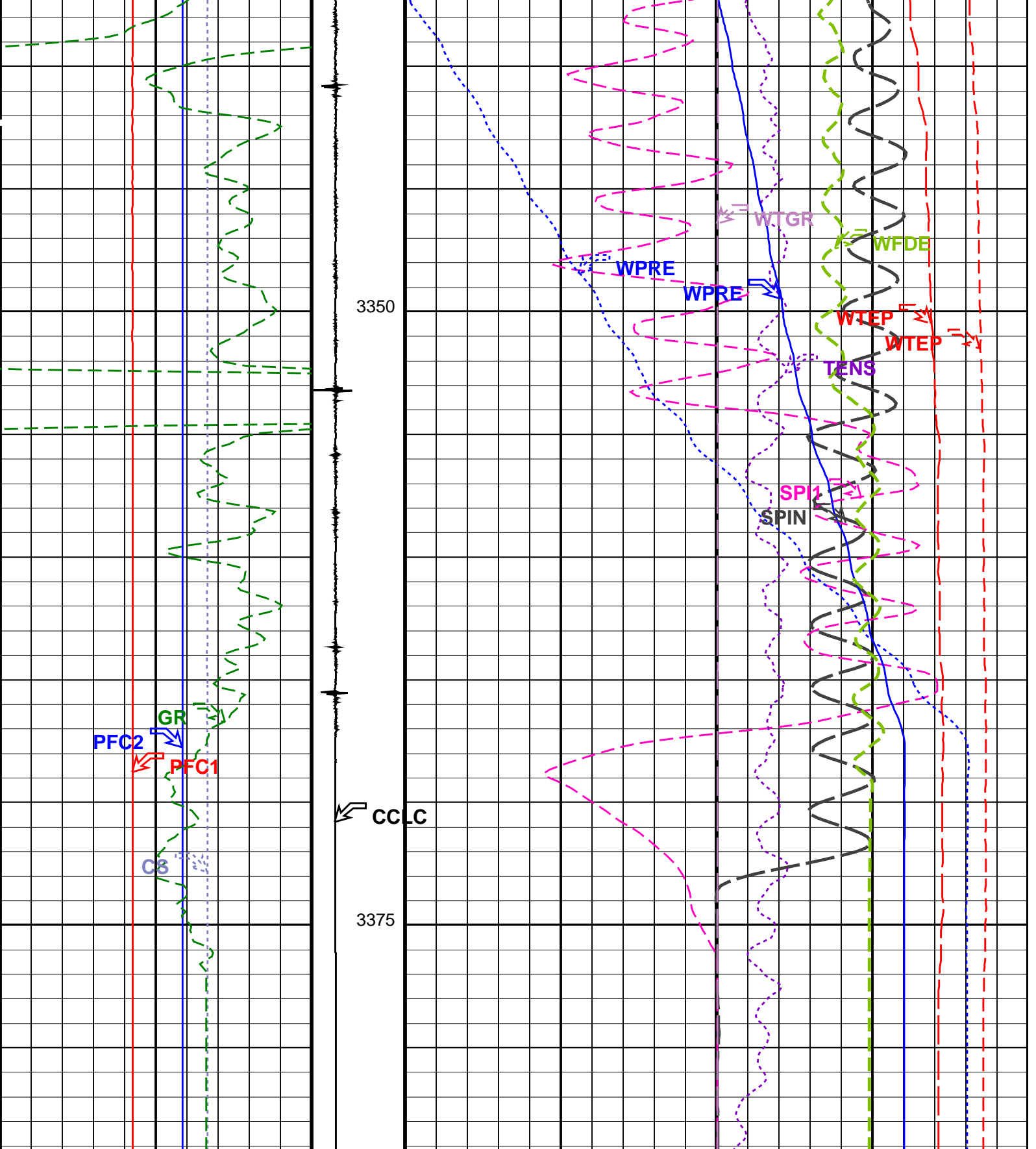
MAXIS Field Log

Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_GMS_119LUP		PRODUCER	19-Aug-2006 07:06	3387.7 M 3284.2 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_120PUP	FN:110	PRODUCER	19-Aug-2006 07:07	3384.2 M 3281.2 M
OP System Version: 14C0-302					
MCM					
PFCS-A	14C0-302		PILS-A	14C0-302	
DEFT-C2	14C0-302		PGMC-A/B	14C0-302	
PSPT-B	14C0-302				

PIP SUMMARY

Time Mark Every 60 S					
			Well Fluid Density (WFDE) (G/C3)		
			0		2
			Well Temperature Gradient (WTGR) (DC/M)		
			0		10
			Tension (TENS) (LBF)		
			0		2500
			Amplified Well Pressure (WPRE) (PSIA)		
			0		20
			Well Pressure (WPRE) (PSIA)		
			2290		2350
Gamma Ray (GR) (GAPI)			Well Temperature (WTEP) (DEGF)		
0		150	0		2
PFCS Y Caliper (PFC2) (IN)			Well Temperature (WTEP) (DEGF)		
0		10	208		212
PFCS X Caliper (PFC1) (IN)			Filtered Auxiliary Spinner 1 (SPI1) (RPS)		
10		0	-15		15
Cable Speed (CS) (F/HR)		Computed CCL (CCLC) 1 (V) -3	Filtered Main Spinner (SPIN) (RPS)		
0			-15		15





Cable Speed (CS) (F/HR)		0	10000
PFCS X Caliper (PFC1) (IN)		10	0
PFCS Y Caliper (PFC2) (IN)		0	10
Cable Speed (CS) (F/HR)		0	10000
Computed CCL (CCLC) (V)		1	-3
Filtered Main Spinner (SPIN) (RPS)		-15	15
Filtered Auxiliary Spinner 1 (SPI1) (RPS)		-15	15
Well Temperature (WTEP) (DEGF)		208	212
Well Temperature (WTGR) (DEGF)		208	212

Gamma Ray (GR) (GAPI)		0	150
Well Temperature (WTEP) (DEGF)		0	2
Well Pressure (WPRE) (PSIA)		2290	2350
Amplified Well Pressure (WPRE) (PSIA)		0	20
Tension (TENS) (LBF)		0	2500
Well Temperature Gradient (WTGR) (DC/M)		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: 19-Aug-2006 07:07
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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-B	14C0-302		

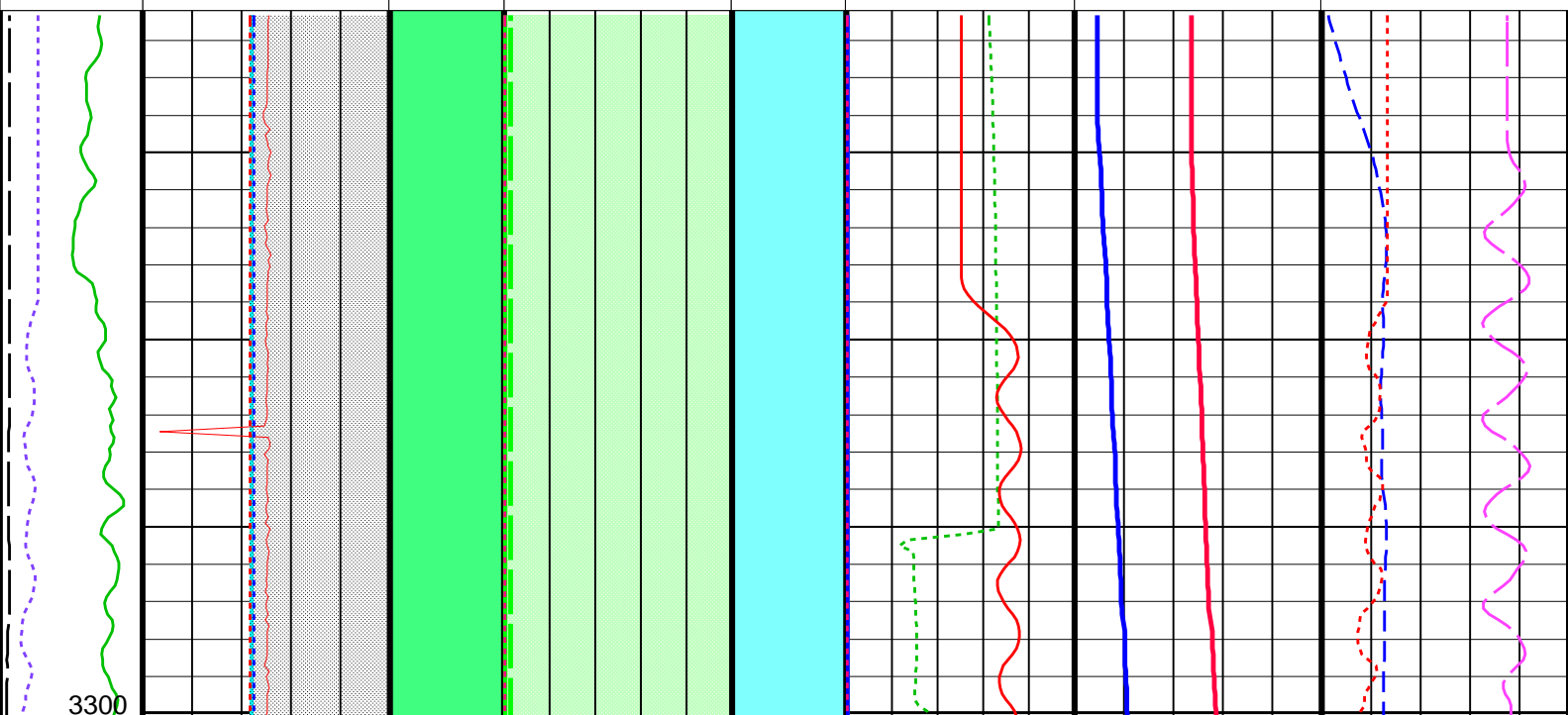
Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
GDEV	Average Angular Deviation of Borehole from Normal	50	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB	
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_TURB	
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-B: Production Services Logging Platform			
GDEV	Average Angular Deviation of Borehole from Normal	50	DEG
System and Miscellaneous			
DO	Depth Offset for Playback	-3.5	M
PP	Playback Processing	NORMAL	

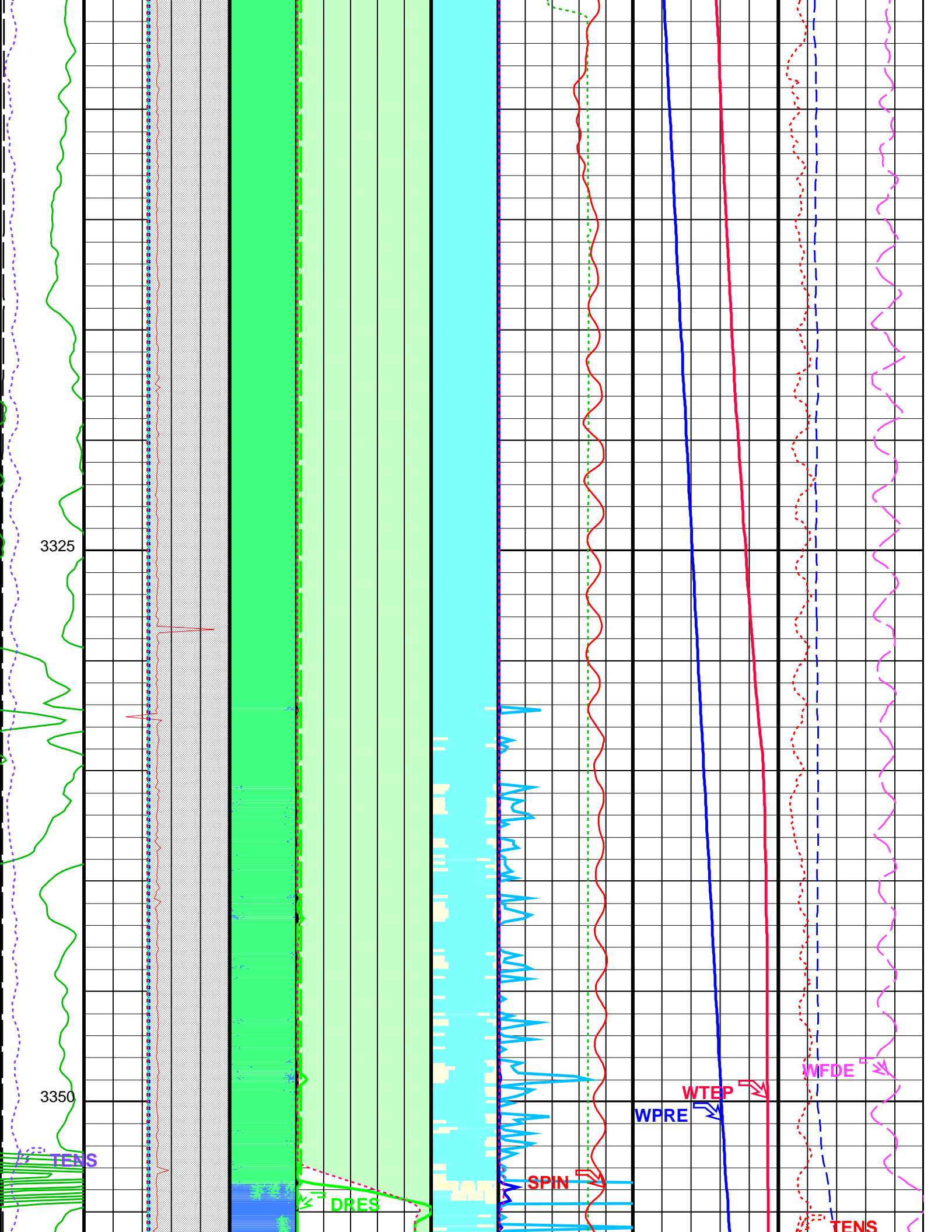
Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_GMS_119LUP	PRODUCER	19-Aug-2006 07:06	3387.7 M	3284.2 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_120PUP	FN:110	PRODUCER	19-Aug-2006 07:07	

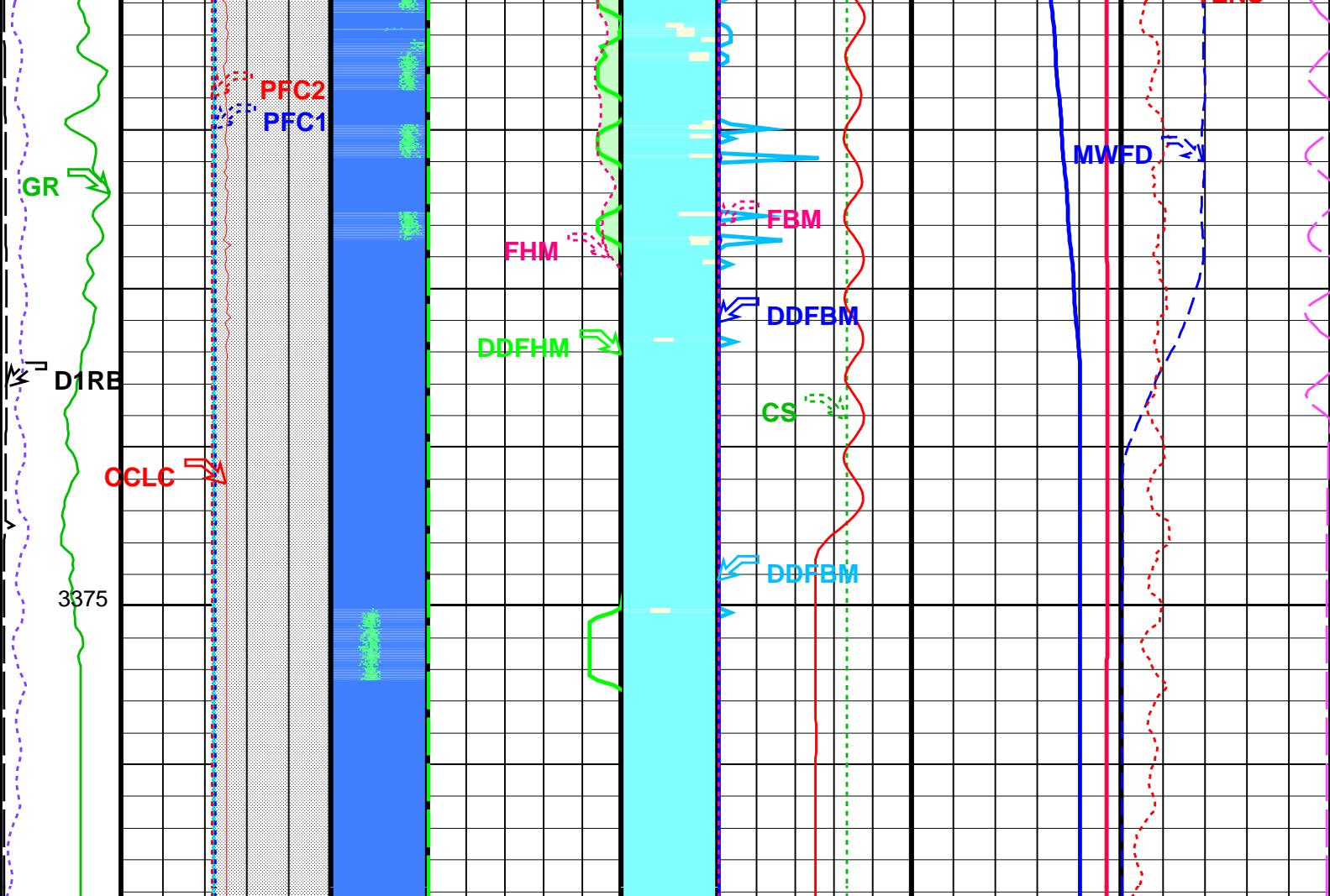
Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_GMS_119LUP	PRODUCER	19-Aug-2006 07:06	3387.7 M	3284.2 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_120PUP	FN:110	PRODUCER	19-Aug-2006 07:07	3384.2 M

OP System Version: 14C0-302			
MCM			

14C0-302
14C0-302







<div>GR (GR) (GAPI)</div> <div>0150</div>	<div>Comp.CCL (CCLC) (V)</div> <div>2-2</div>	<div><div><div>-0.5000</div><div>0.5000</div></div><div>Water Holdup Image 2 colors (WATER HIMAGE 2C) (----)</div></div>	<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>Bub Counts Image 16 colors (DBIMAG E_16C) (----)</div></div>	<div><div>PFCS Computed Holdup (DFCHM)</div><div>0(----)1</div></div>	<div><div>Amplified Avg Bubble count (DDFBM)</div><div>0(CPS)10</div></div>	<div><div>Amplified Pressure (WPRE) (PSIA)</div><div>020</div></div>	<div><div>Manometer Well Fluid Density (MWFD) (G/C3)</div><div>02</div></div>
<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</div>	<div><div>PFCS Caliper X (PFC1) (IN)</div><div>83</div></div>	<div><div>Avg Holdup (DDFHM)</div><div>0(----)1</div></div>	<div><div>Cable Speed (CS) (F/HR) 10000</div><div>0</div></div>	<div><div>Amplified Temperature (WTEP) (DEGF)</div><div>02</div></div>	<div><div>Tension (TENS) (LBF) 2500</div><div>02500</div></div>		
<div>Tension (TENS) (LBF)</div> <div>02500</div>	<div><div>PFCS Caliper Y (PFC2) (IN)</div><div>83</div></div>	<div><div>Filtered Water Holdup (FHM)</div><div>0(----)1</div></div>	<div><div>Avg BUB count (DDFBM) (CPS)</div><div>0500</div></div>	<div><div>Well Pressure (WPRE) (PSIA)</div><div>22902350</div></div>	<div><div>Well Fluid Density (WFDE) (G/C3)</div><div>01</div></div>		
	<div>Well Diameter From PFC1 to PFCS_T1</div>	<div><div>PFCS Fluid Resistivity (DRES) (OHMM)</div><div>0360</div></div>	<div><div>Filtered Bubble Count (FBM) (CPS)</div><div>0500</div></div>	<div><div>Well Temperature (WTEP) (DEGF)</div><div>208212</div></div>			
			<div>PFCS Spinner</div>				

Well Diameter
From PFC2 to
PFC5_T1

Pipe Ovalisation
Between PFC1 and
PFC2

PFC5 Spinner
(SPIN)
-15 (RPS) 15

Format: PFC5_Image_DL

Vertical Scale: 1:200

Graphics File Created: 19-Aug-2006 07:07

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-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	50 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
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	3.5 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-B: Production Services Logging Platform		
CSID	Casing Size I.D.	3.5 IN
GDEV	Average Angular Deviation of Borehole from Normal	50 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	3.5 IN
System and Miscellaneous		
CSIZ	Current Casing Size	7.000 IN
DO	Depth Offset for Playback	-3.5 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	Flip_FCS_DEFT_GMS_119LUP	PRODUCER	19-Aug-2006 07:06	3387.7 M	3284.2 M
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Output DLIS Files

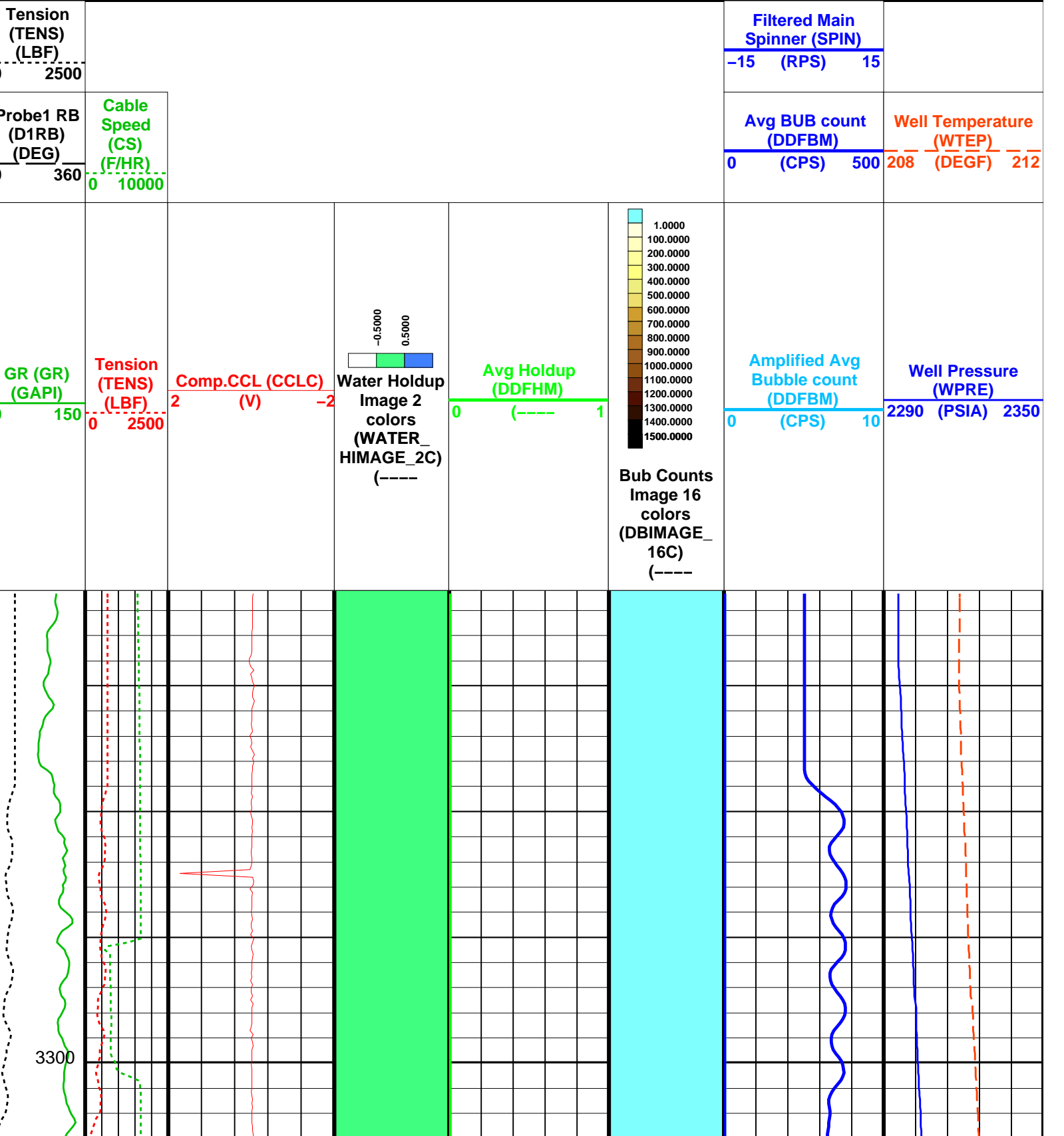
DEFAULT	FCS_ILS_DEFT_GMS_120PUP	FN:110	PRODUCER	19-Aug-2006 07:07
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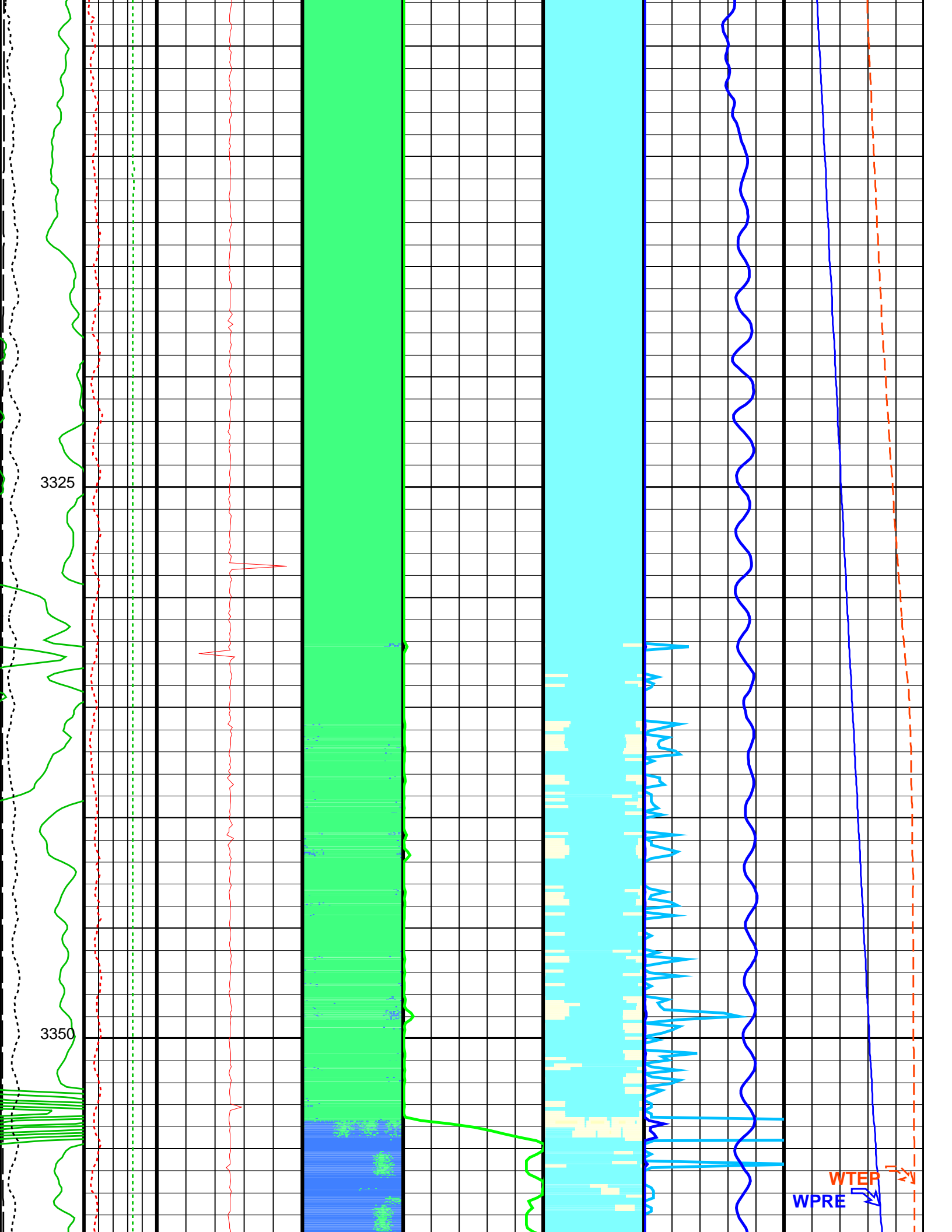
Input DLIS Files

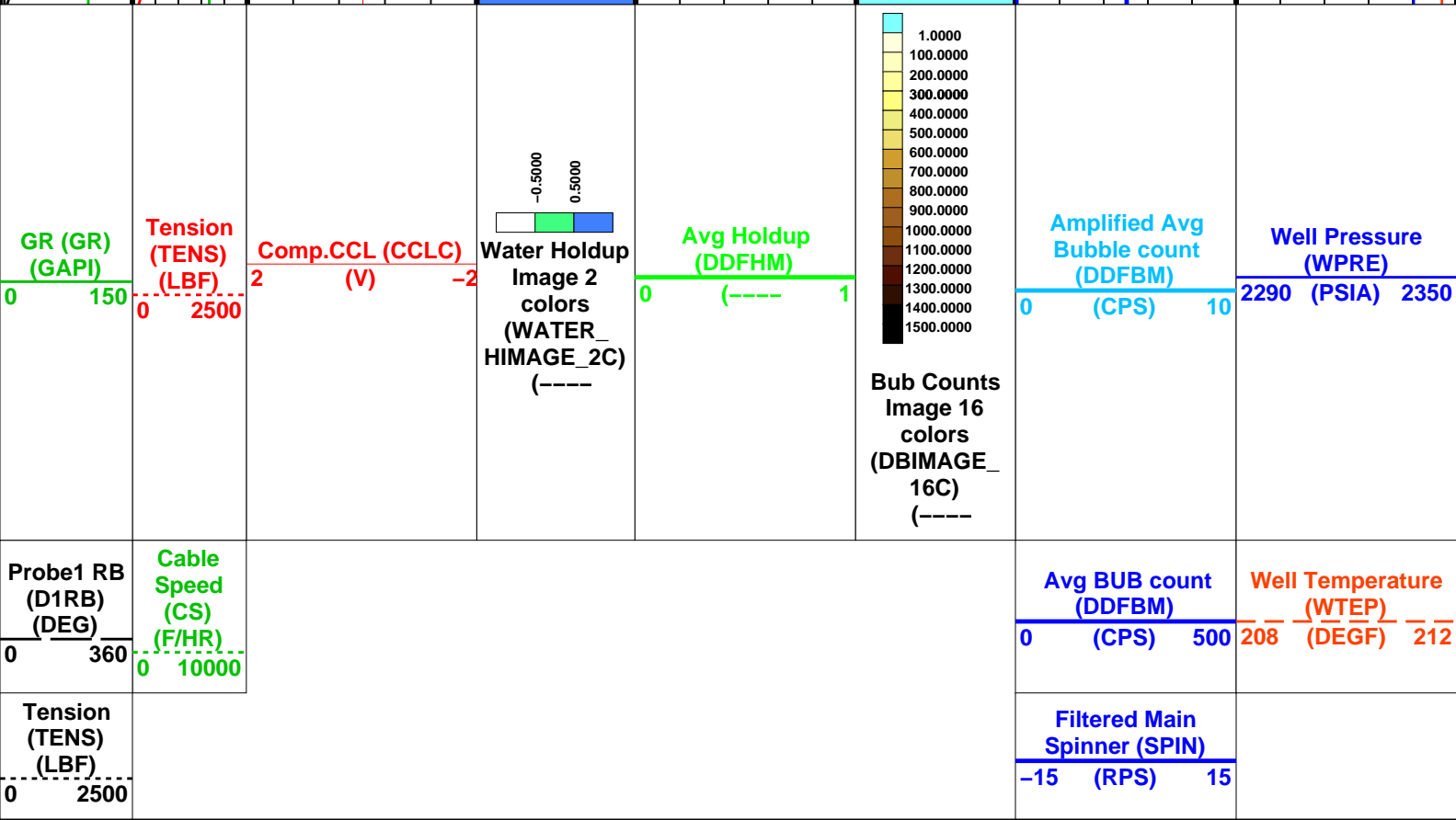
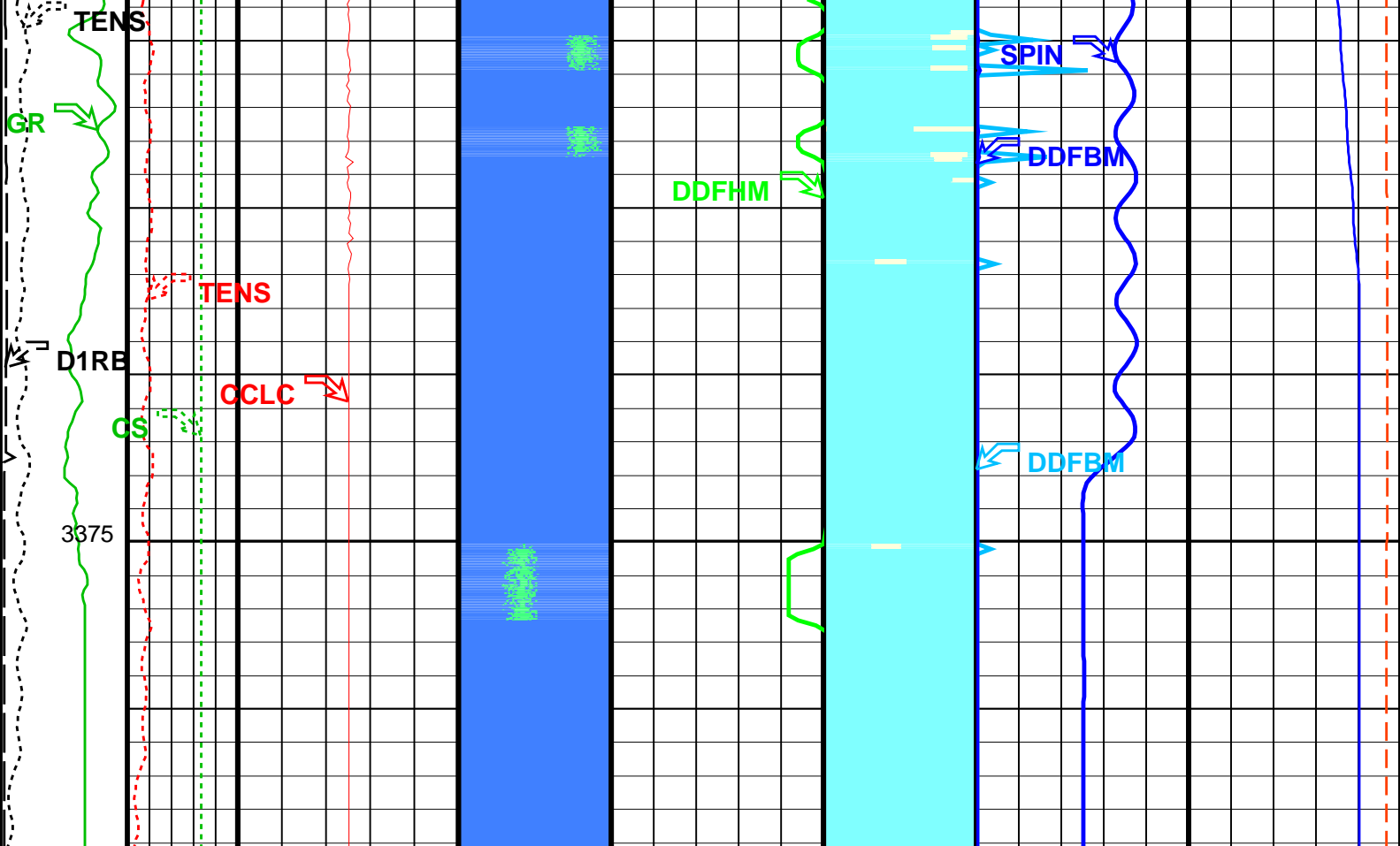
Output DLIS Files

OP System Version: 14C0-302
MCM

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







Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 19-Aug-2006 07:07

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-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
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	3.5 IN
PSPT-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	-3.5 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	Flip_FCS_DEFT_GMS_119LUP	PRODUCER	19-Aug-2006 07:06	3387.7 M	3284.2 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_120PUP	FN:110	PRODUCER	19-Aug-2006 07:07
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Log Down @ 2000 ft/hr Static
2145m to 2195m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FCS_DEFT_GMS_124LUP	PRODUCER	19-Aug-2006 07:50	2202.8 M	2144.3 M
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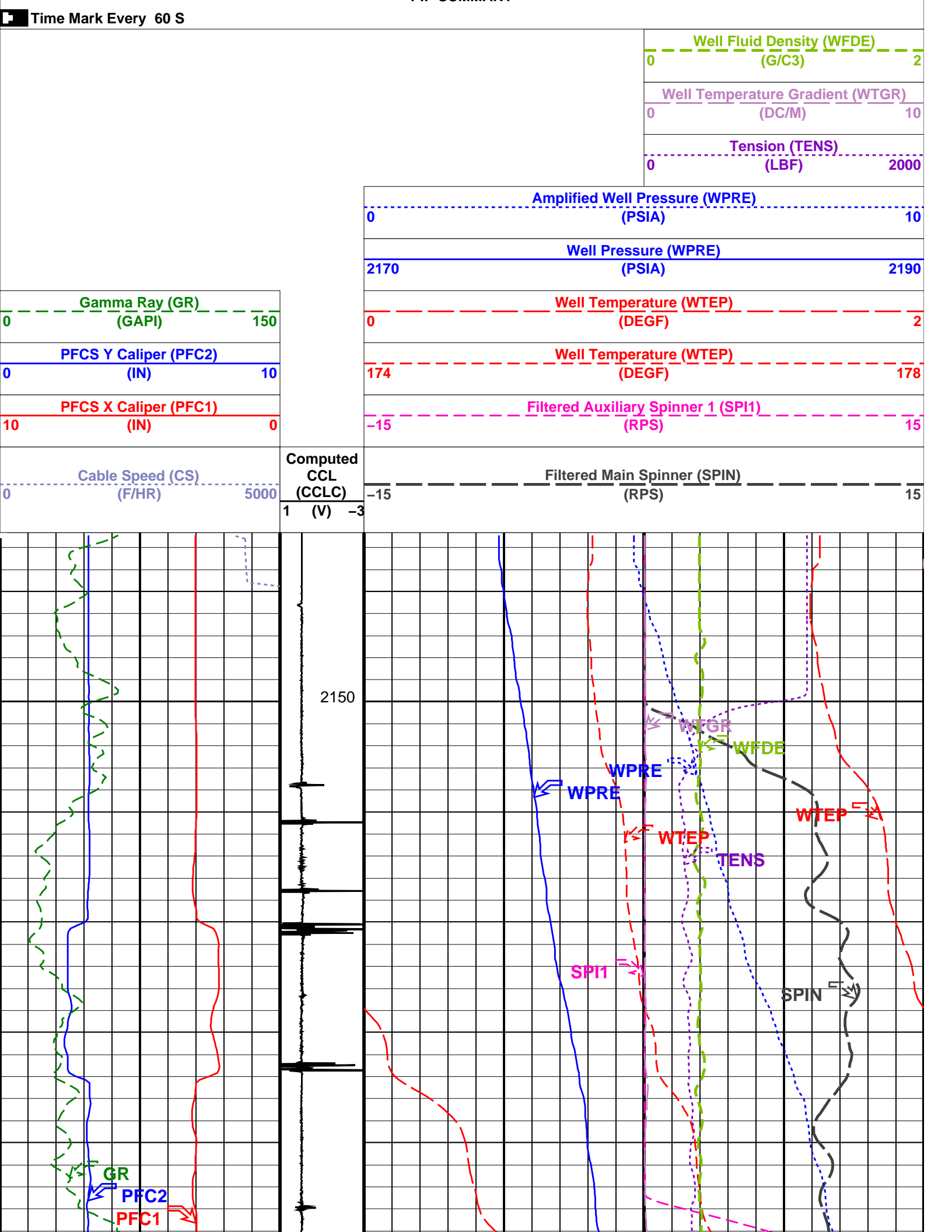
Output DLIS Files

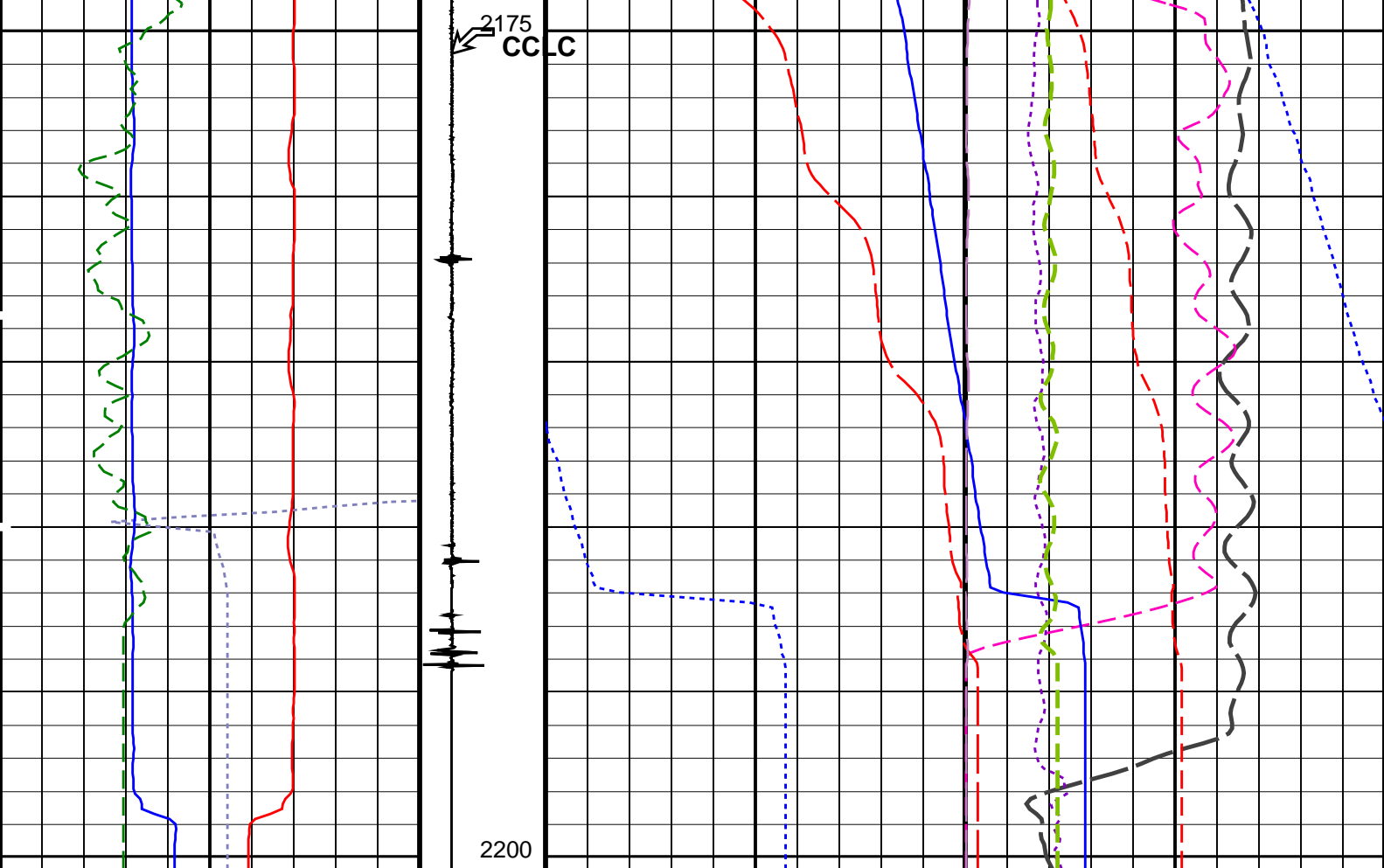
DEFAULT	FCS_ILS_DEFT_GMS_127PUP	FN:116	PRODUCER	19-Aug-2006 08:02	2200.4 M	2142.3 M
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OP System Version: 14C0-302

MCM

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





Cable Speed (CS) (F/HR)		Computed CCL (CCLC) (V)	Filtered Main Spinner (SPIN) (RPS)	
0	5000		-15	15
PFCS X Caliper (PFC1) (IN)			Filtered Auxiliary Spinner 1 (SPI1) (RPS)	
10	0		-15	15
PFCS Y Caliper (PFC2) (IN)		Well Temperature (WTEP) (DEGF)		
0	10	174	178	
Gamma Ray (GR) (GAPI)		Well Temperature (WTEP) (DEGF)		
0	150	0	2	
		Well Pressure (WPRES) (PSIA)		
		2170	2190	
		Amplified Well Pressure (WPRES) (PSIA)		
		0	10	
		Tension (TENS) (LBF)		
		0	2000	
		Well Temperature Gradient (WTGR) (DC/M)		
		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: 19-Aug-2006 08:02

OP System Version: 14C0-302
MCM

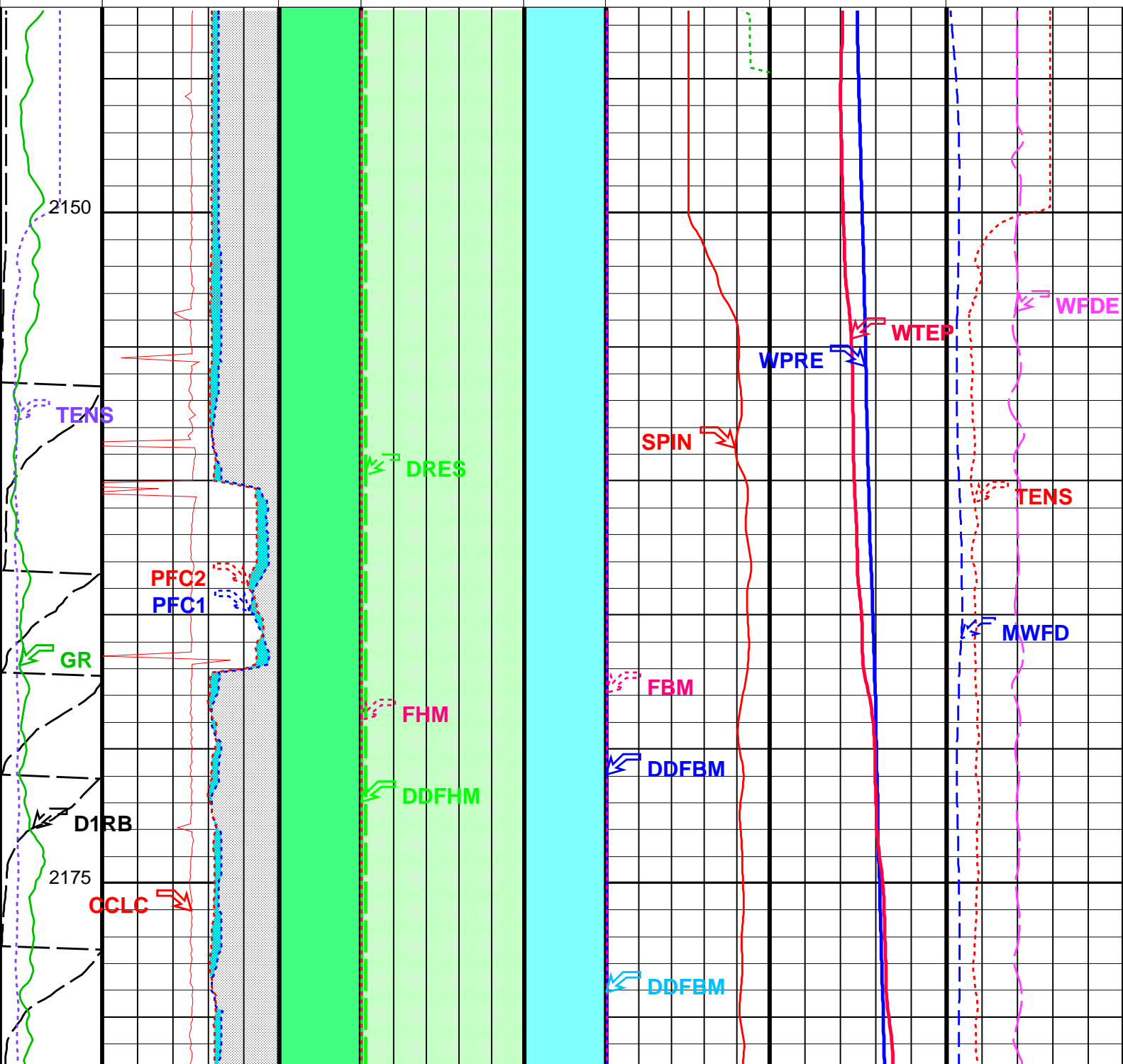
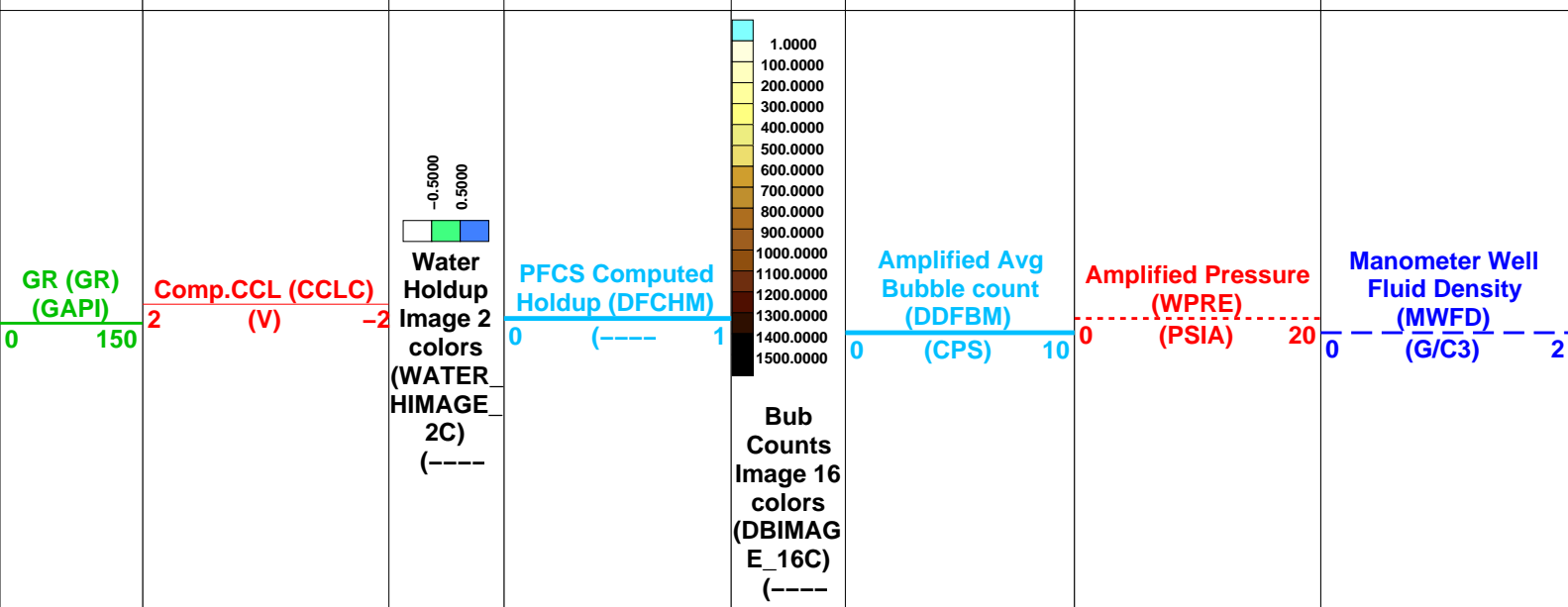
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-B	14C0-302		
Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
GDEV	Average Angular Deviation of Borehole from Normal	50	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB	
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_TURB	
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-B: Production Services Logging Platform			
GDEV	Average Angular Deviation of Borehole from Normal	50	DEG
System and Miscellaneous			
DO	Depth Offset for Playback	-2.5	M
PP	Playback Processing	NORMAL	

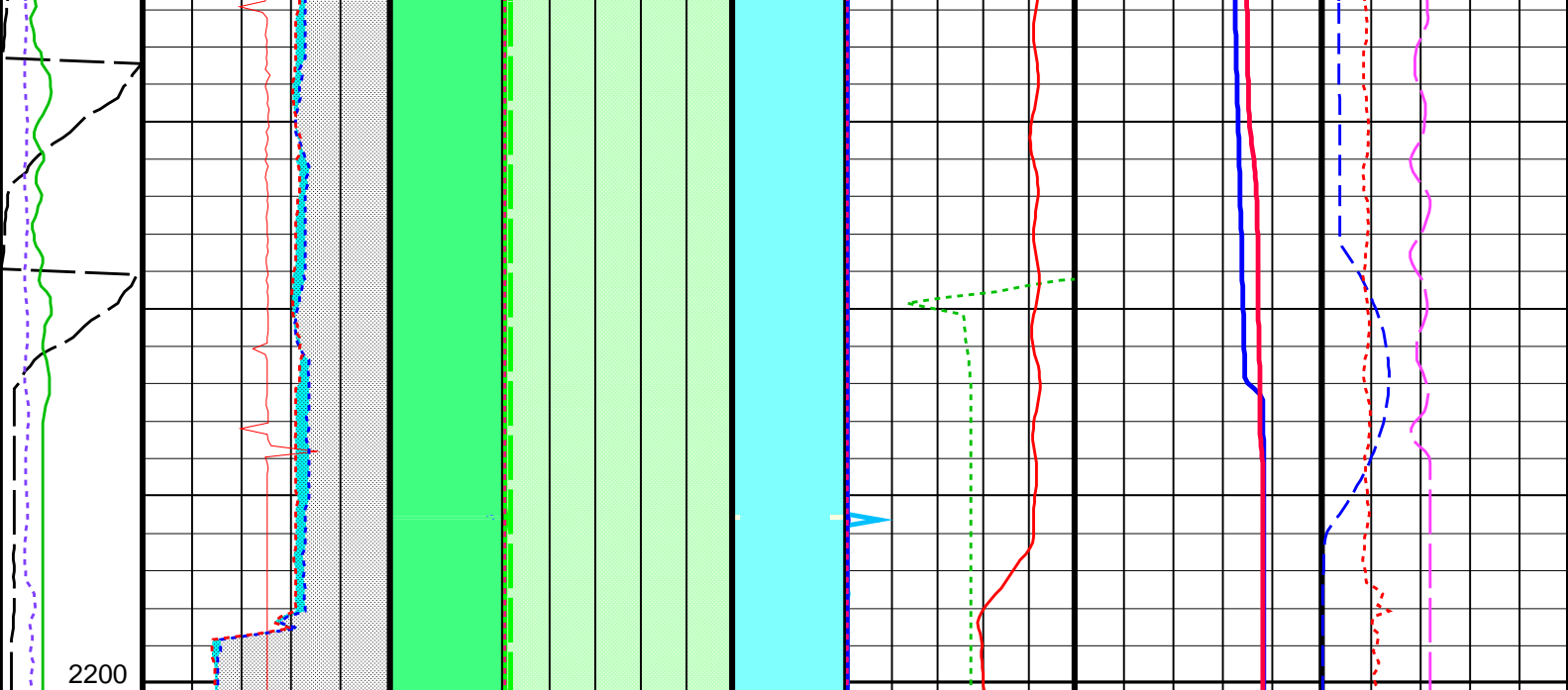
Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_GMS_124LUP	PRODUCER	19-Aug-2006 07:50	2202.8 M	2144.3 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_127PUP	FN:116	PRODUCER	19-Aug-2006 08:02	

Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_GMS_124LUP	PRODUCER	19-Aug-2006 07:50	2202.8 M	2144.3 M
Output DLIS Files					
DEFAULT	FCS_ILS_DEFT_GMS_127PUP	FN:116	PRODUCER	19-Aug-2006 08:02	2200.4 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-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)	PFCS Caliper Y (PFC2)	PFCS Fluid Resistivity (DRES)	PFCS Spinner (SPIN)	Filtered Bubble Count (FBM)	Well Temperature (WTEP)
0-----2000	5-----2	0 (OHMM) 360	-15 (RPS) 15	0 (CPS) 500	174 (DEGF) 178
Probe1 RB (D1RB) (DEG)	PFCS Caliper X (PFC1)	Filtered Water Holdup (FHM)	Avg BUB count (DDFBM)	Well Pressure (WPRE)	Well Fluid Density (WFDE)
0-----360	5 (IN) 2	0 (----) 1	0 (CPS) 500	2160 (PSIA) 2190	0 (G/C3) 1
		Avg Holdup (DDFHM)	Cable Speed (CS)	Amplified Temperature (WTEP)	Tension (TENS)
		0 (----) 1	0 (F/HR) 5000	0 (DEGF) 2	0 (LBF) 2000





<p>GR (GR) (GAPI)</p> <p>0 150</p>	<p>Comp.CCL (CCLC) (V)</p> <p>2 -2</p>	<p>Water Holdup Image 2 colors (WATER HIMAGE 2C) (----</p> <p>-0.5000 0.5000</p>	<p>PFCS Computed Holdup (DFCHM)</p> <p>0 (----) 1</p>	<p>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</p> <p>Bub Counts Image 16 colors (DBIMAG E_16C) (----</p>	<p>Amplified Avg Bubble count (DDFBM)</p> <p>0 (CPS) 10</p>	<p>Amplified Pressure (WPRE) (PSIA)</p> <p>0 20</p>	<p>Manometer Well Fluid Density (MWFD) (G/C3)</p> <p>0 2</p>
<p>Probe1 RB (D1RB) (DEG)</p> <p>0 360</p>	<p>PFCS Caliper X (PFC1) (IN)</p> <p>5 2</p>		<p>Avg Holdup (DDFHM)</p> <p>0 (----) 1</p>		<p>Cable Speed (CS) (F/HR) 5000</p> <p>0 5000</p>	<p>Amplified Temperature (WTEP) (DEGF)</p> <p>0 2</p>	<p>Tension (TENS) (LBF) 2000</p> <p>0 2000</p>
<p>Tension (TENS) (LBF)</p> <p>0 2000</p>	<p>PFCS Caliper Y (PFC2) (IN)</p> <p>5 2</p>		<p>Filtered Water Holdup (FHM)</p> <p>0 (----) 1</p>		<p>Avg BUB count (DDFBM)</p> <p>0 (CPS) 500</p>	<p>Well Pressure (WPRE) (PSIA)</p> <p>2160 2190</p>	<p>Well Fluid Density (WFDE) (G/C3)</p> <p>0 1</p>
	<p>Well Diameter From PFC1 to PFCS_T1</p>		<p>PFCS Fluid Resistivity (DRES) (OHMM) 360</p> <p>0 360</p>		<p>Filtered Bubble Count (FBM) (CPS) 500</p> <p>0 500</p>	<p>Well Temperature (WTEP) (DEGF)</p> <p>174 178</p>	
	<p>Well Diameter From PFC2 to PFCS_T1</p>				<p>PFCS Spinner (SPIN) (RPS) 15</p> <p>-15 15</p>		
	<p>Pipe Ovalisation Between PFC1 and PFC2</p>						

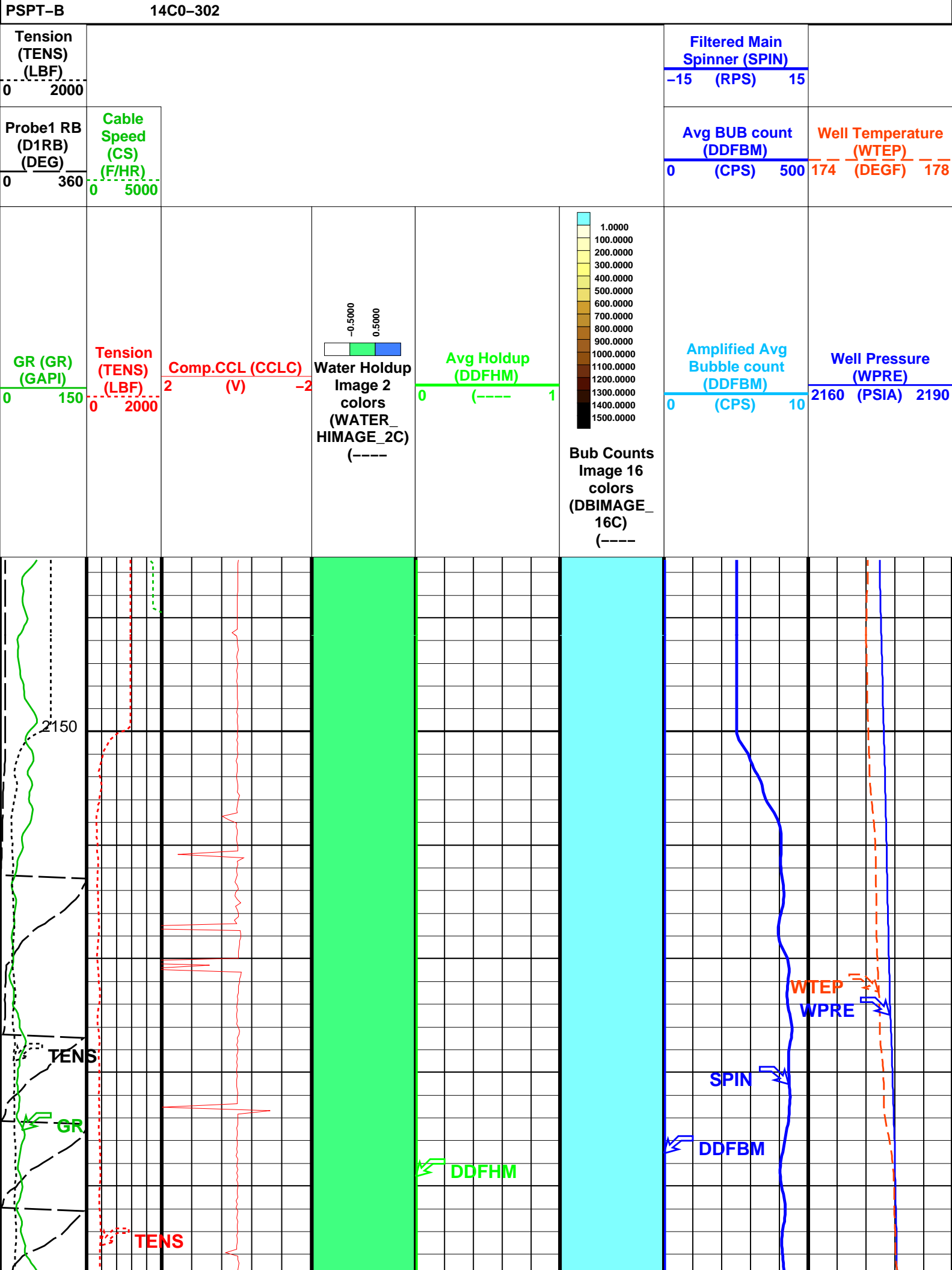
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-B	14C0-302		

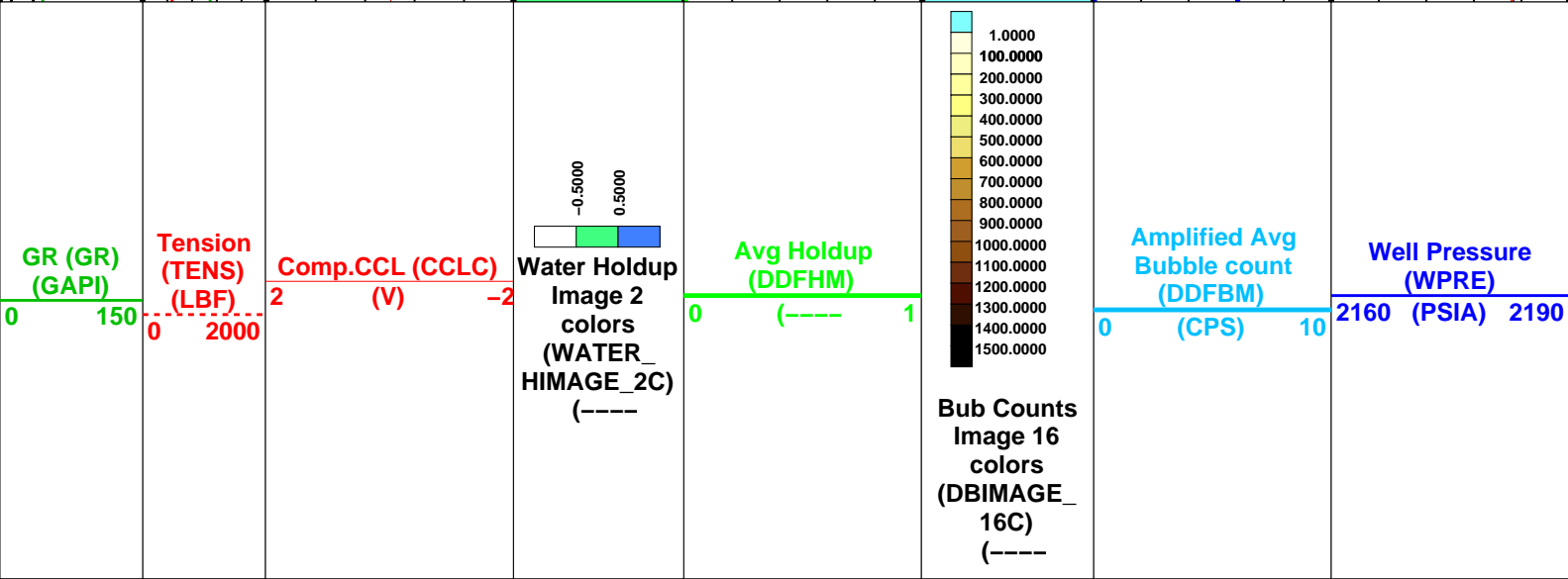
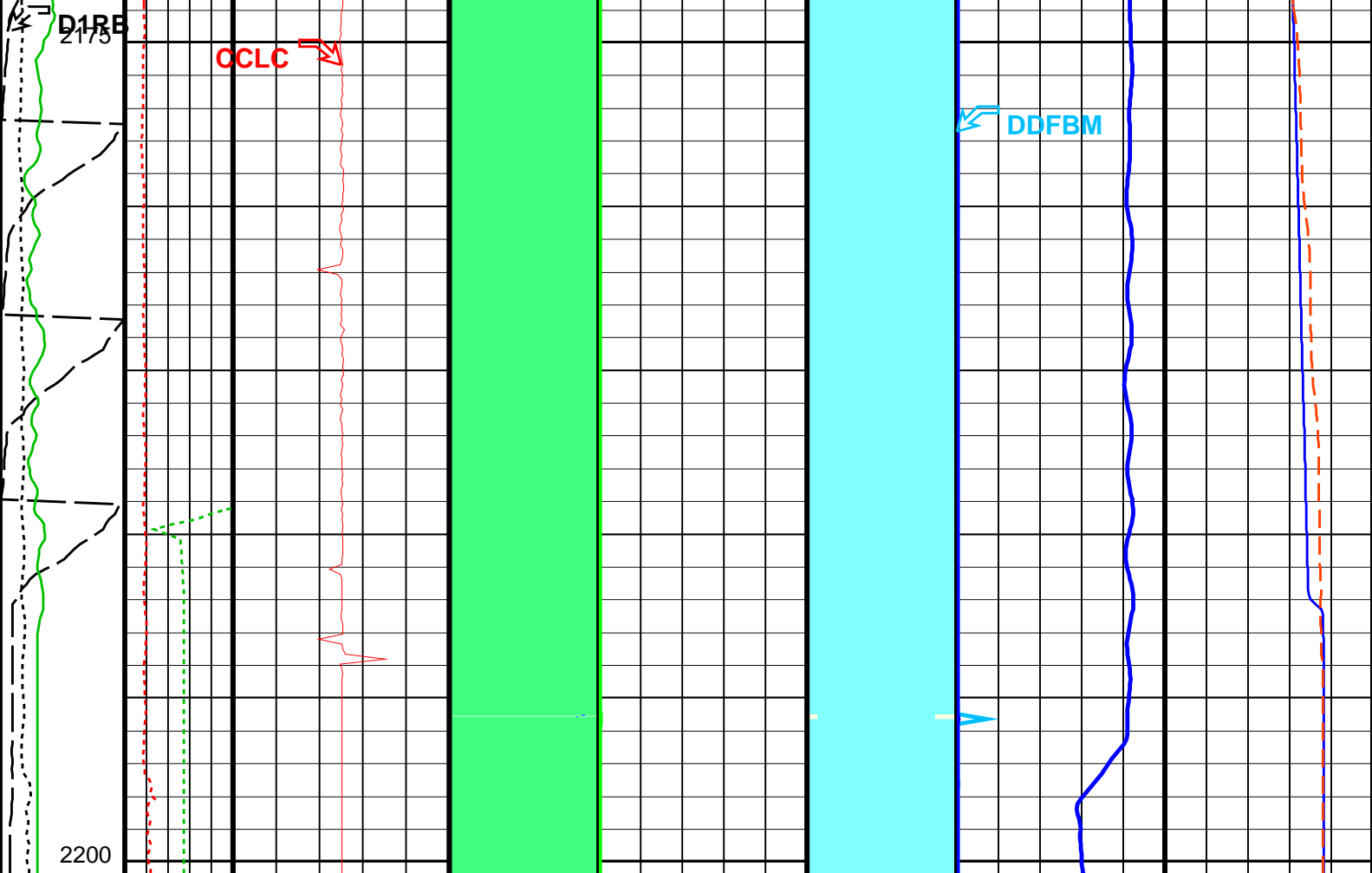
Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	3.5	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
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	50	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	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_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	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	3.5	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-B: Production Services Logging Platform			
CSID	Casing Size I.D.	3.5	IN
GDEV	Average Angular Deviation of Borehole from Normal	50	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	3.5	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.000	IN
DO	Depth Offset for Playback	-2.5	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	Flip_FCS_DEFT_GMS_124LUP	PRODUCER	19-Aug-2006 07:50	2202.8 M	2144.3 M	
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_127PUP	FN:116	PRODUCER	19-Aug-2006 08:02		

Input DLIS Files						
DEFAULT	Flip_FCS_DEFT_GMS_124LUP	PRODUCER	19-Aug-2006 07:50	2202.8 M	2144.3 M	
Output DLIS Files						
DEFAULT	FCS_ILS_DEFT_GMS_127PUP	FN:116	PRODUCER	19-Aug-2006 08:02	2200.4 M	2142.3 M

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





Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 19-Aug-2006 08:02

OP System Version: 14C0-302 MCM

PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PCPT-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
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	3.5 IN
PSPT-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	-2.5 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	Flip_FCS_DEFT_GMS_124LUP	PRODUCER	19-Aug-2006 07:50	2202.8 M	2144.3 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_127PUP	FN:116	PRODUCER	19-Aug-2006 08:02
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Log Down 2000 ft/hr Static
1970m to 2160m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_037PUP	FN:28	PRODUCER	15-Aug-2006 21:40	2174.9 M	1968.9 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_123PUP	FN:113	PRODUCER	19-Aug-2006 07:40	2174.9 M	1969.3 M
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OP System Version: 14C0-302

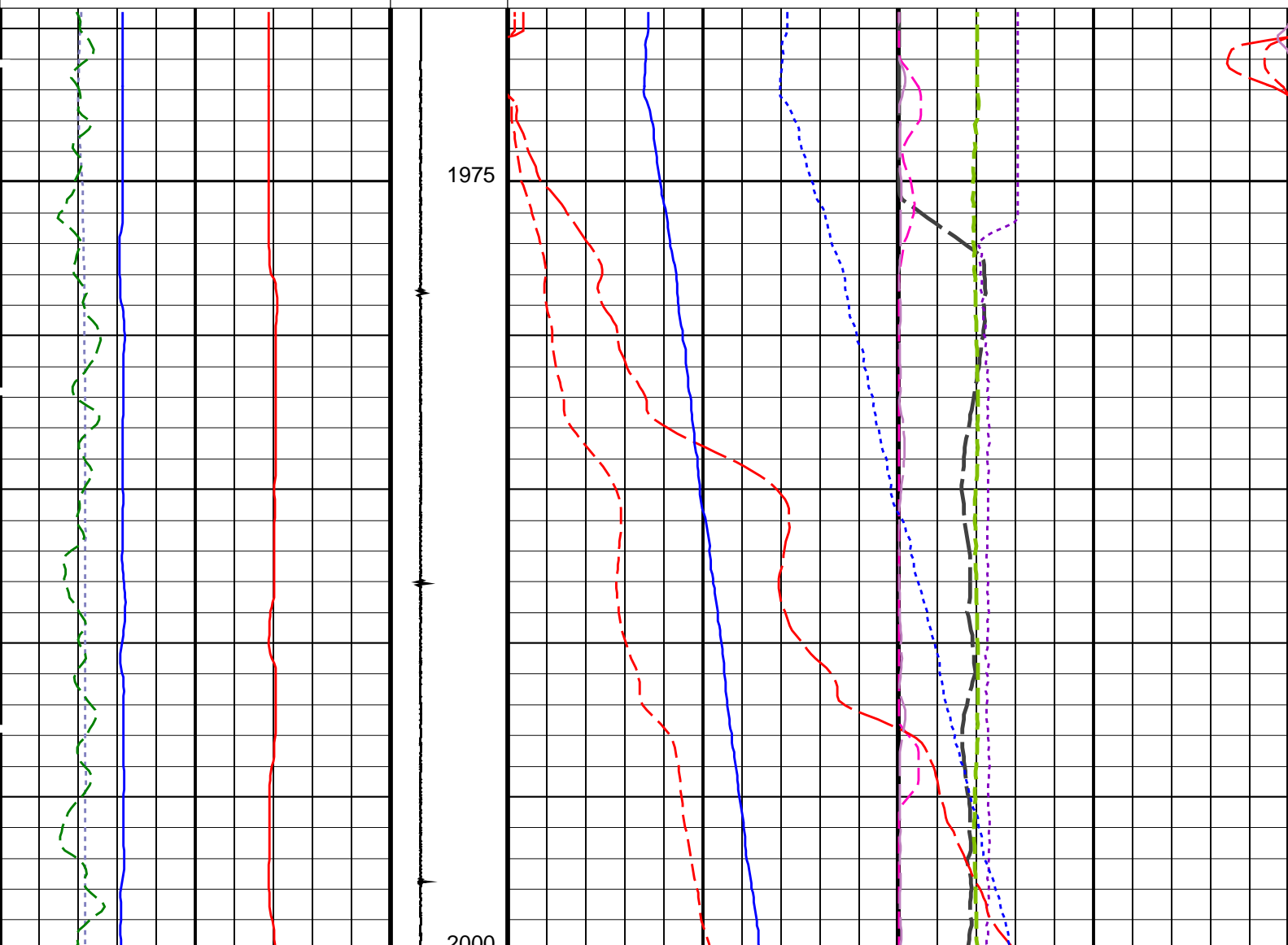
MCM

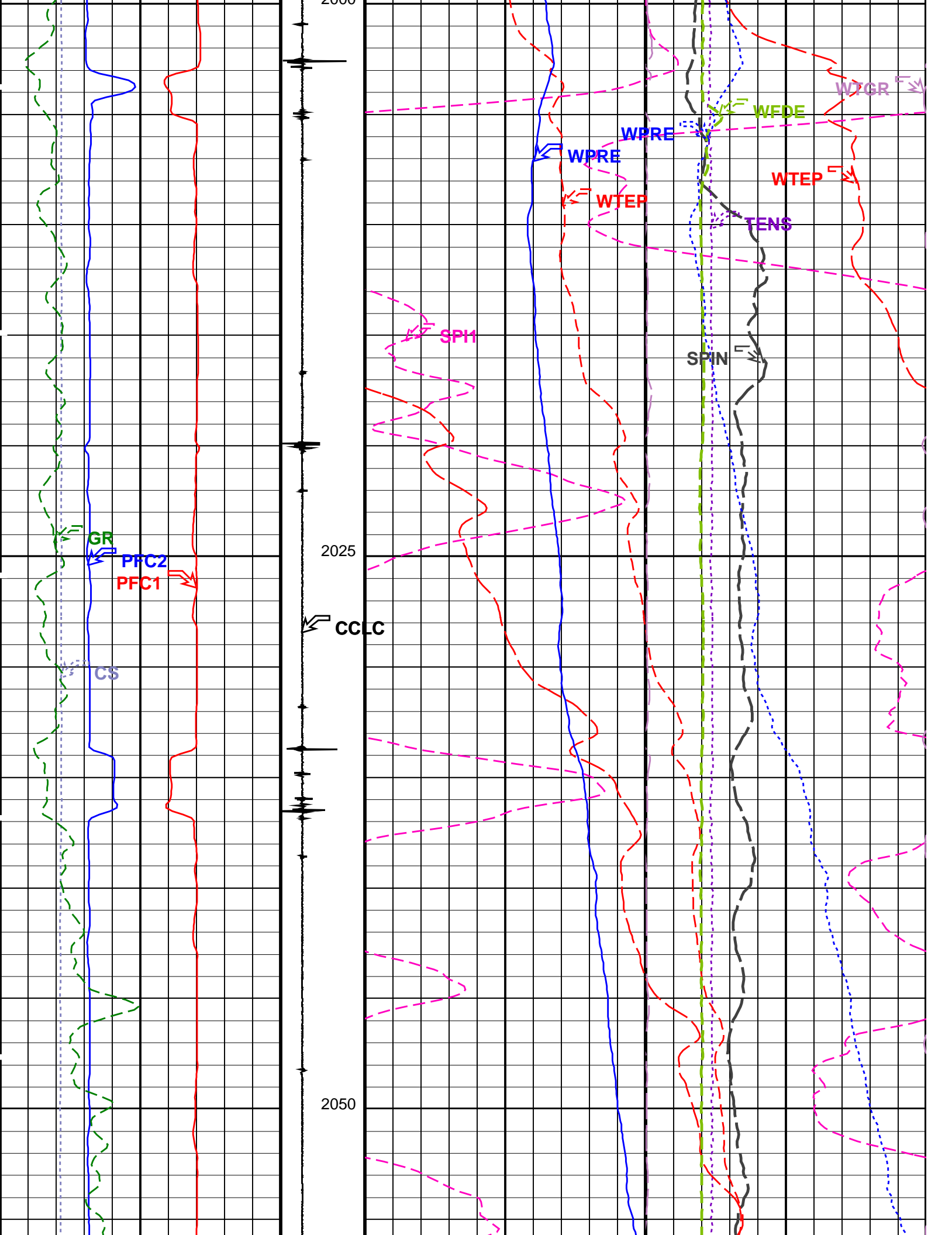
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-B	14C0-302		

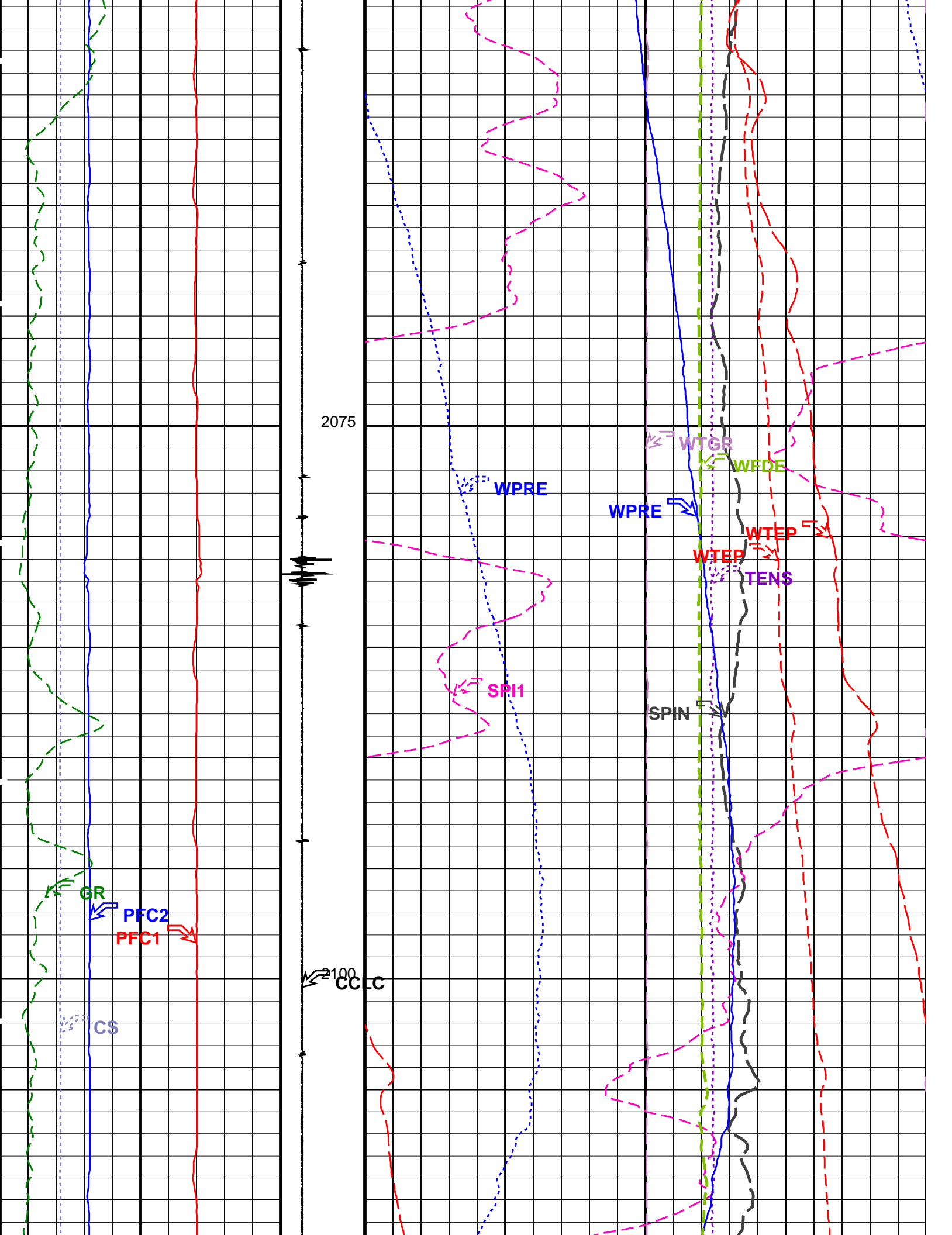
PIP SUMMARY

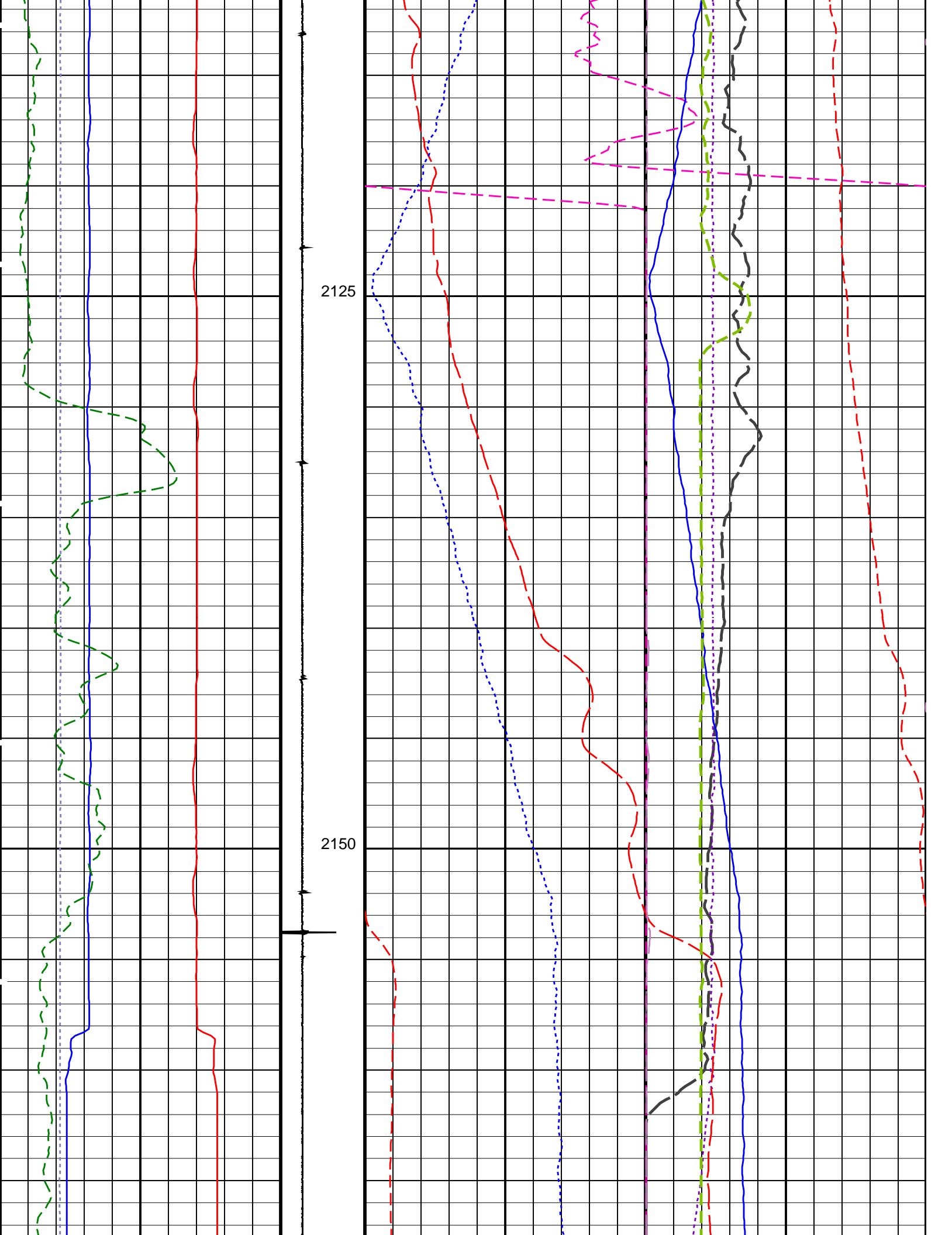
Time Mark Every 60 S

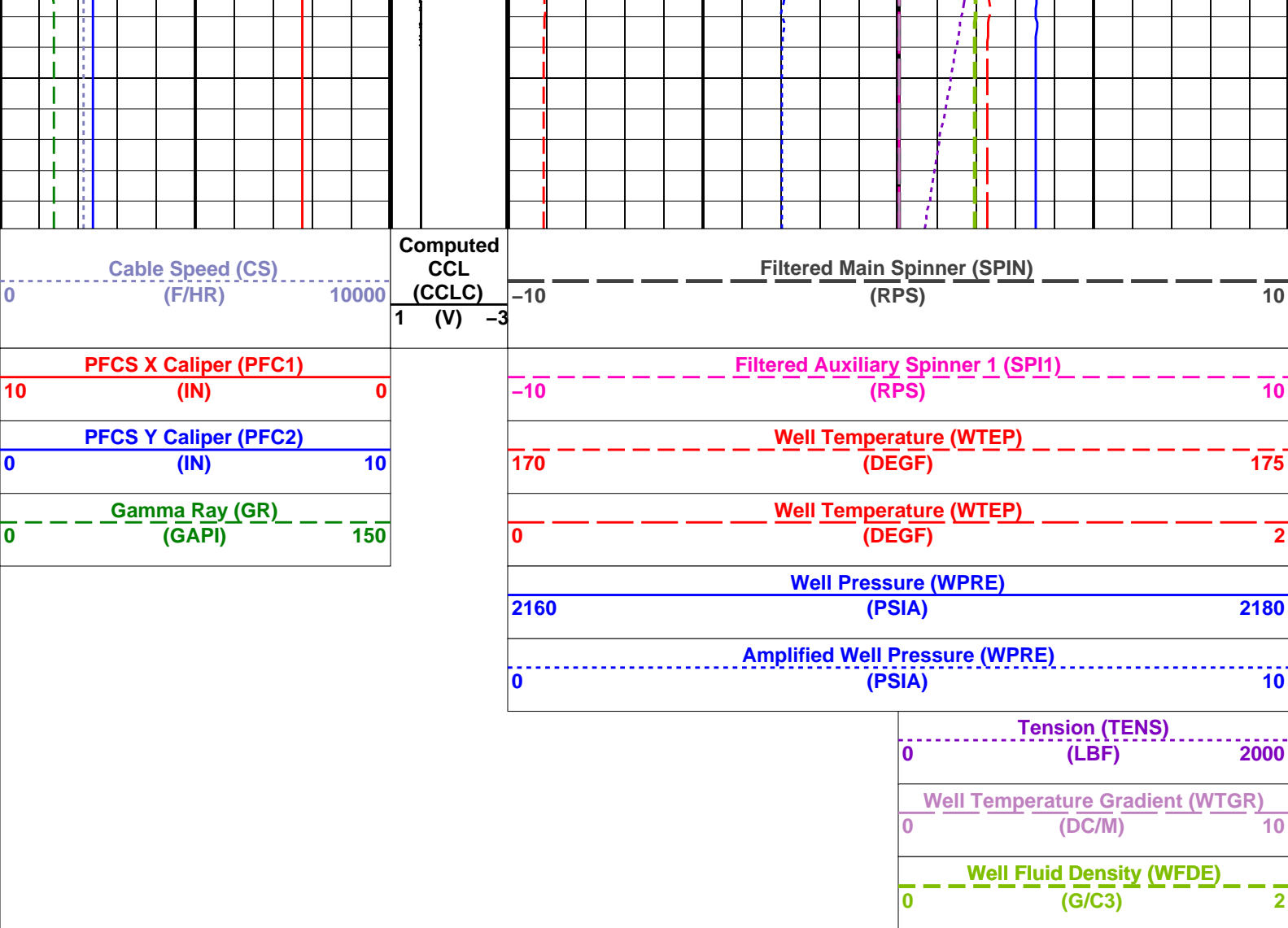
		Well Fluid Density (WFDE) (G/C3)	
		0	2
		Well Temperature Gradient (WTGR) (DC/M)	
		0	10
		Tension (TENS) (LBF)	
		0	2000
		Amplified Well Pressure (WPRE) (PSIA)	
		0	10
		Well Pressure (WPRE) (PSIA)	
		2160	2180
		Well Temperature (WTEP) (DEGF)	
		0	2
		Well Temperature (WTEP) (DEGF)	
		170	175
		Filtered Auxiliary Spinner 1 (SPI1) (RPS)	
		-10	10
		Filtered Main Spinner (SPIN) (RPS)	
		-10	10
		Cable Speed (CS) (F/HR)	
		0	10000
		Gamma Ray (GR) (GAPI)	
		0	150
		PFCS Y Caliper (PFC2) (IN)	
		0	10
		PFCS X Caliper (PFC1) (IN)	
		10	0
		Computed CCL (CCLC) (V)	
		1	-3











Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 19-Aug-2006 07:40

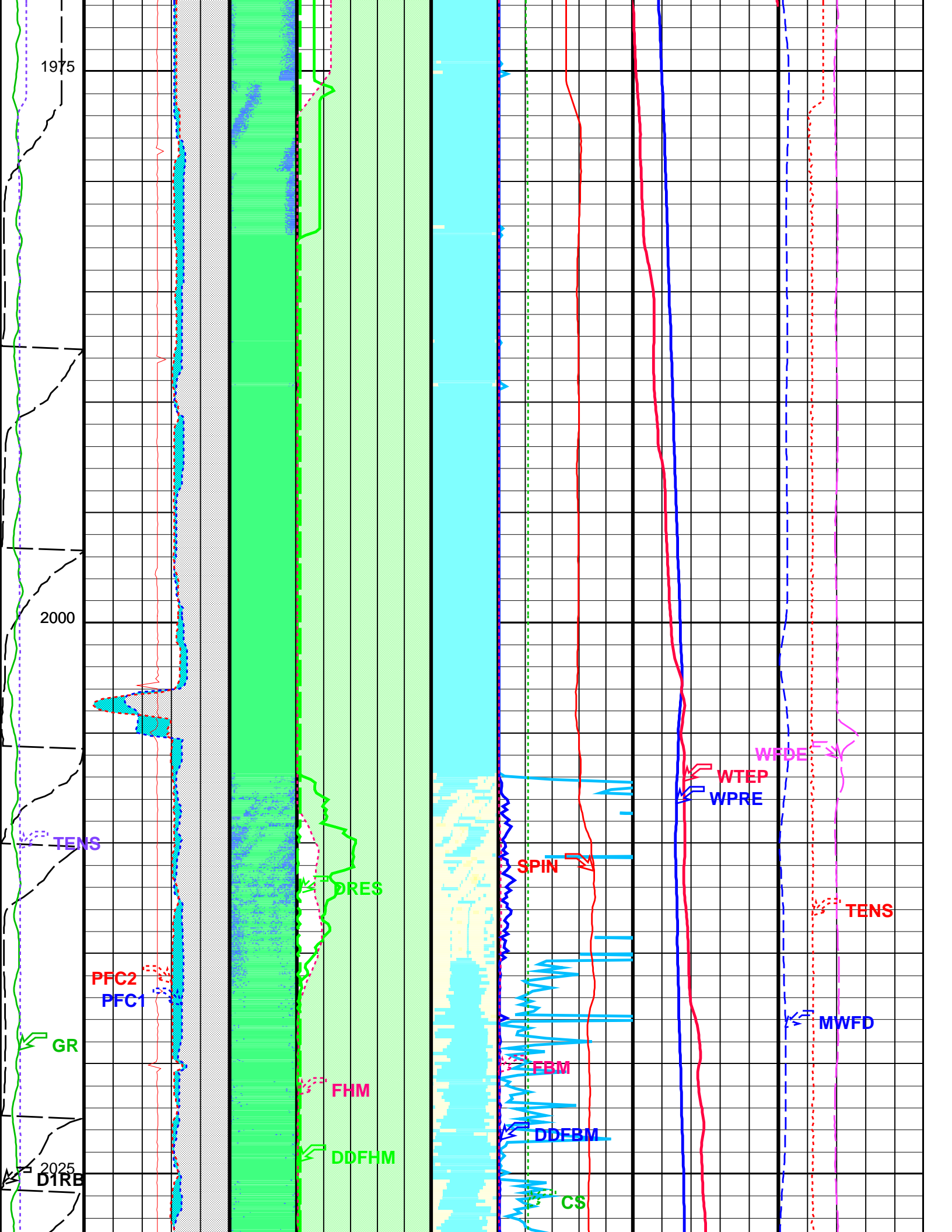
OP System Version: 14C0-302

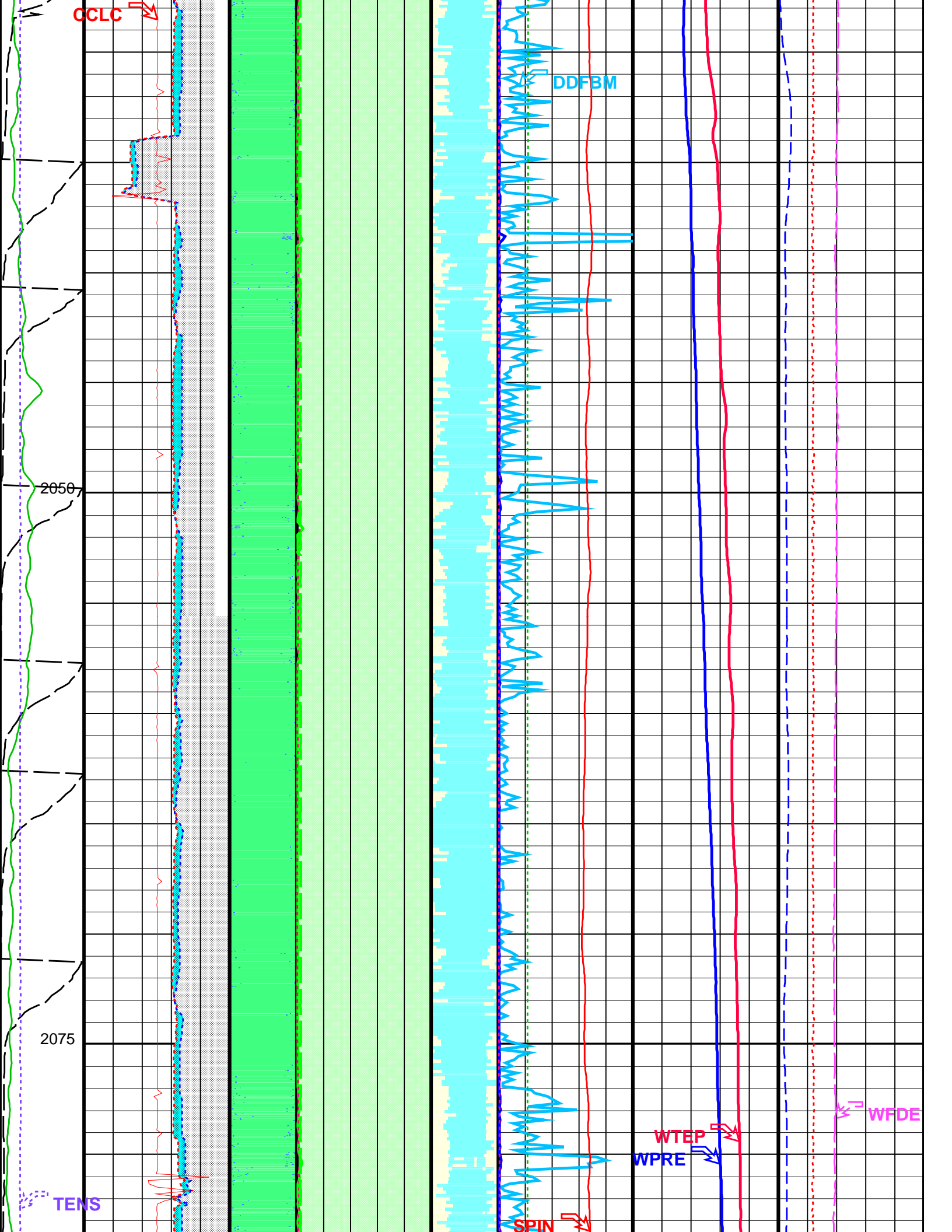
MCM

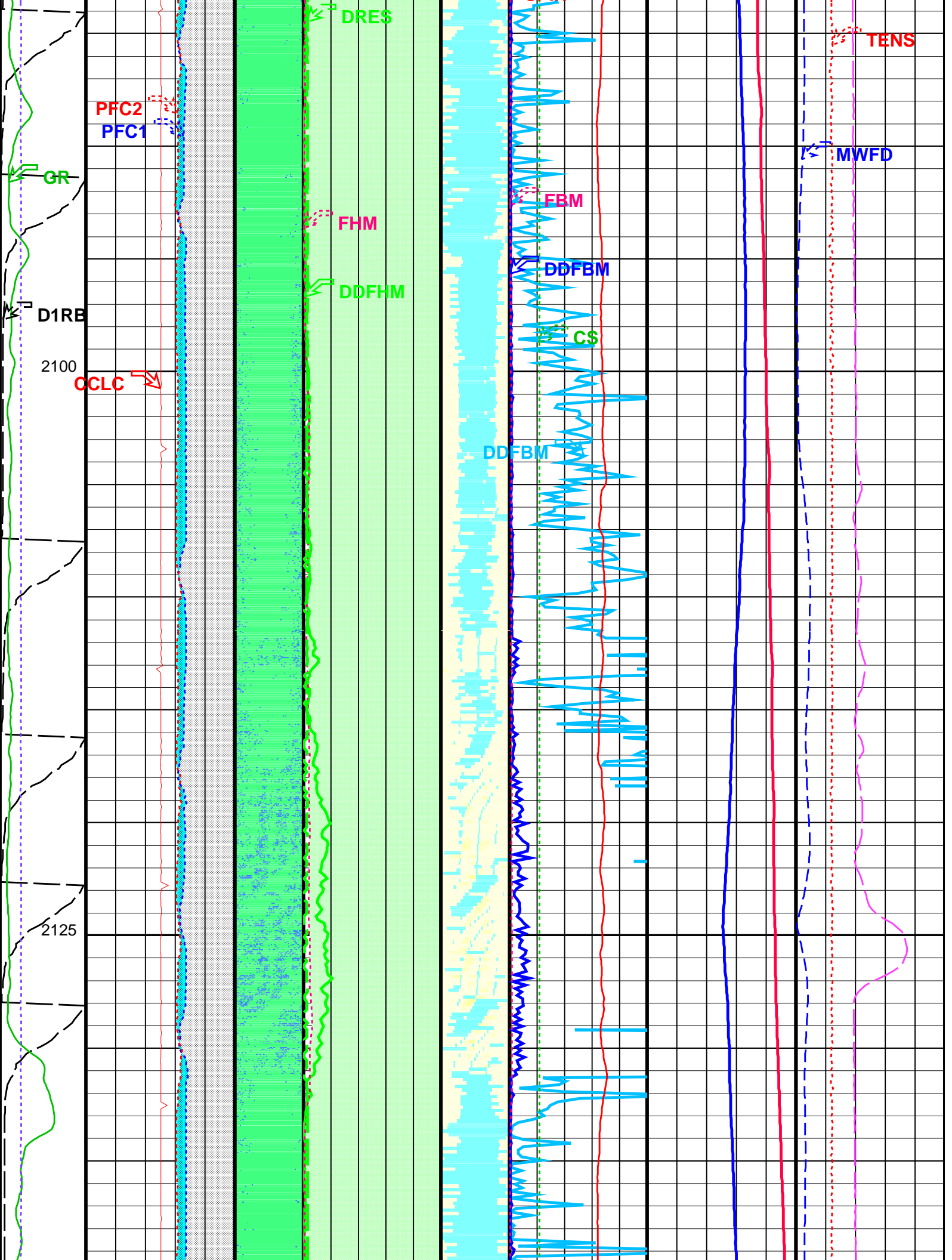
PFCS-A	14C0-302	PILS-A	14C0-302
DEFT-C2	14C0-302	PGMC-A/B	14C0-302
PSPT-B	14C0-302		

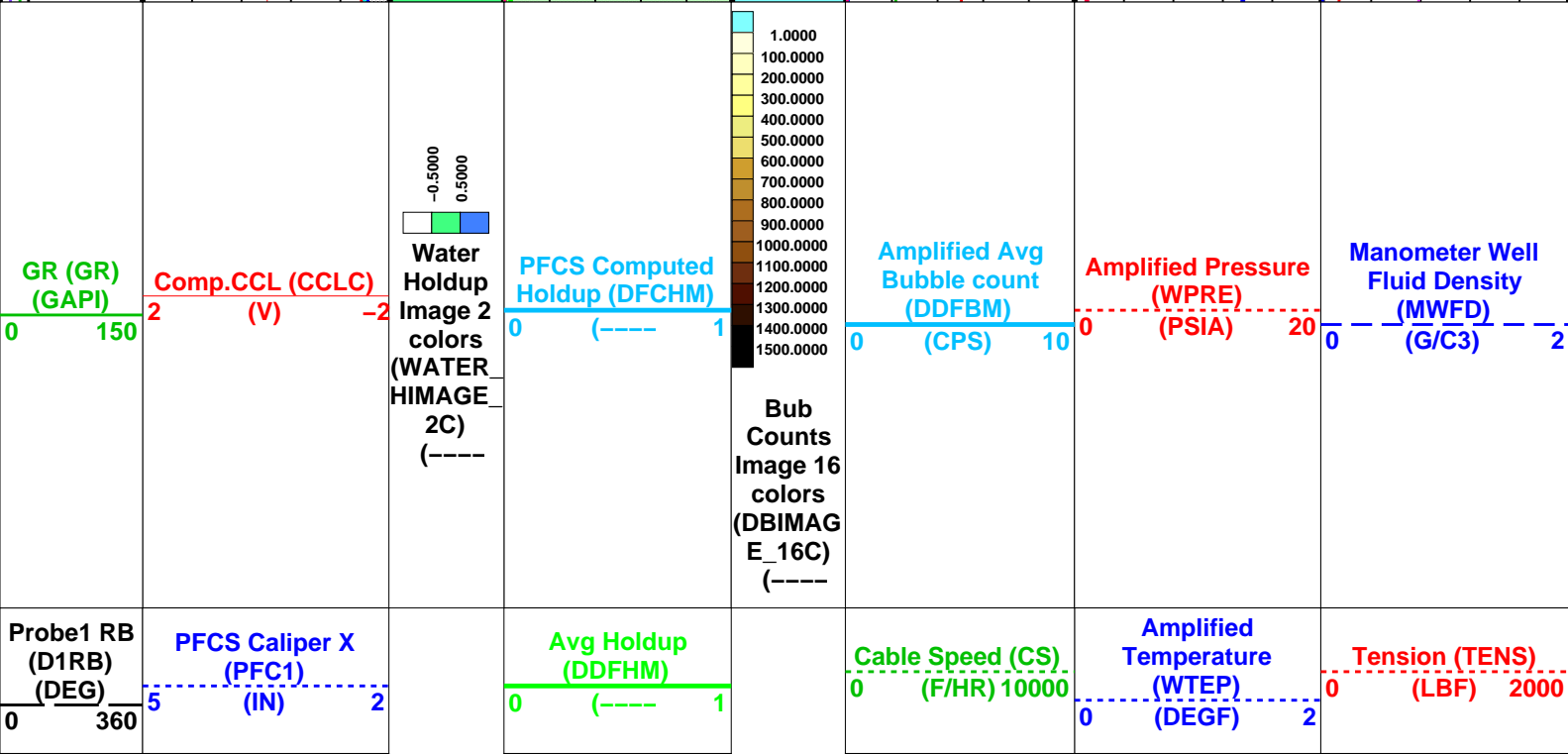
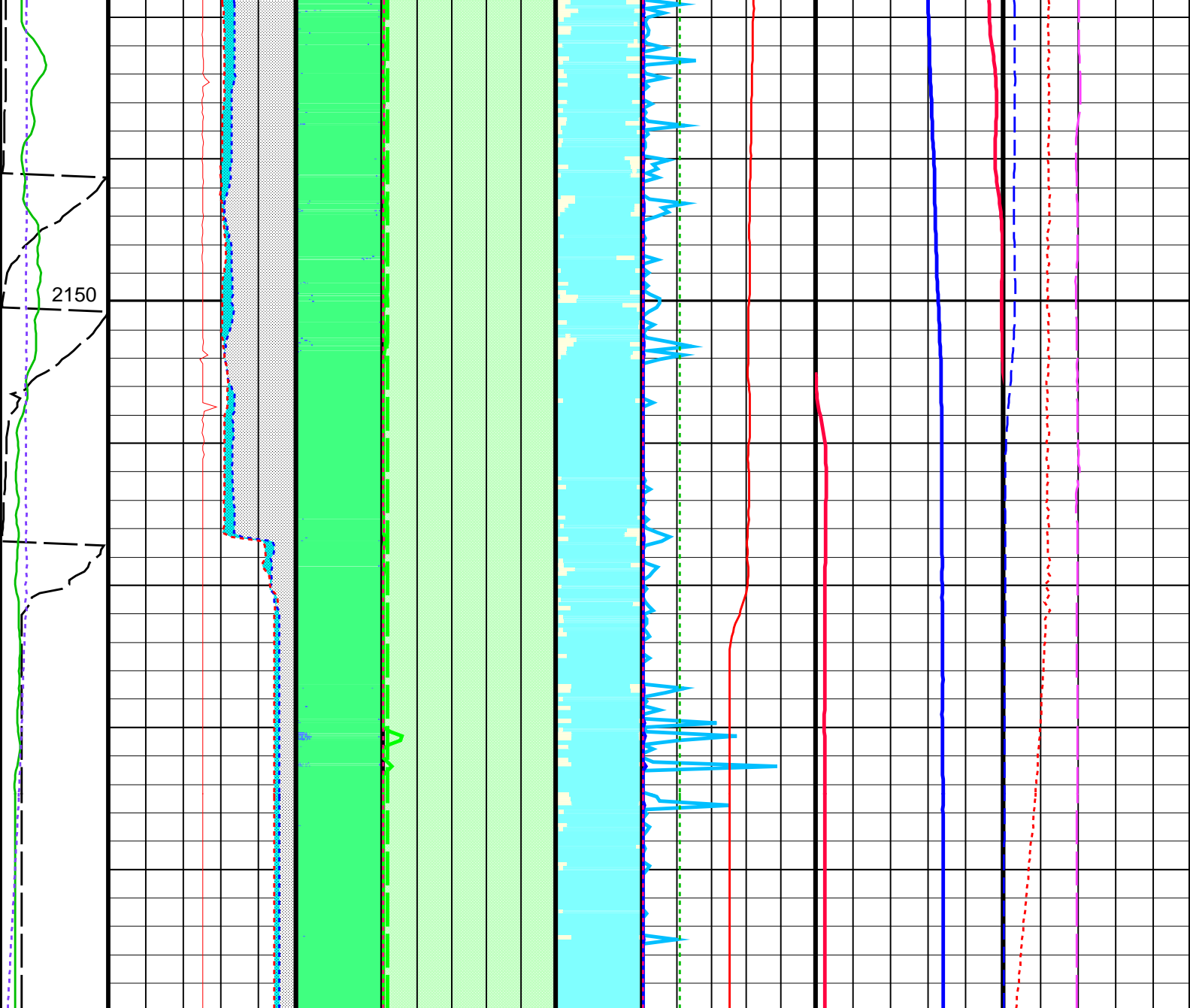
Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	50 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
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_TURB
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-B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	50 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL









ension (TENS) (LBF)	PFCs Caliper Y (PFC2) (IN)	Filtered Water Holdup (FHM)	Avg BUB count (DDFBM) (CPS)	Well Pressure (WPRE) (PSIA)	Well Fluid Density (WFDE) (G/C3)
0-----2000	5-----2	0-----1	0500	21602180	01
	Well Diameter From PFC1 to PFCs_T1	PFCs Fluid Resistivity (DRES) 0(OHMM)360	Filtered Bubble Count (FBM) 0(CPS)500	Well Temperature (WTEP) 170(DEGF)175	
	Well Diameter From PFC2 to PFCs_T1		PFCs Spinner (SPIN) -10(RPS)10		
	Pipe Ovalisation Between PFC1 and PFC2				

Format: PFCS_Image_DL

Vertical Scale: 1:200

Graphics File Created: 19-Aug-2006 07:40

OP System Version: 14C0-302

MCM

PFCS-A14C0-302PILS-A14C0-302

DEFT-C214C0-302PGMC-A/B14C0-302

PSPT-B14C0-302

Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	3.5IN
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	50DEG
PFGC	PFCS Geometrical coefficient	1200
PFRE1	Downhole Resistor Probe 1	3000OHMS
PFRE2	Downhole Resistor Probe 2	3000OHMS
PFRE3	Downhole Resistor Probe 3	3000OHMS
PFRE4	Downhole Resistor Probe 4	3000OHMS
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	3.5IN
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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	3.5IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0KPAA
PDSH	Gradio Correction Density Shift	0G/C3
PSPT-B: Production Services Logging Platform		
CSID	Casing Size I.D.	3.5IN
GDEV	Average Angular Deviation of Borehole from Normal	50DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	3.5IN
System and Miscellaneous		
CSIZ	Current Casing Size	7.000IN
DO	Depth Offset for Playback	0.0M
PP	Playback Processing	NORMAL

Input DLIS Files					
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Output DLIS Files

Input DLIS Files

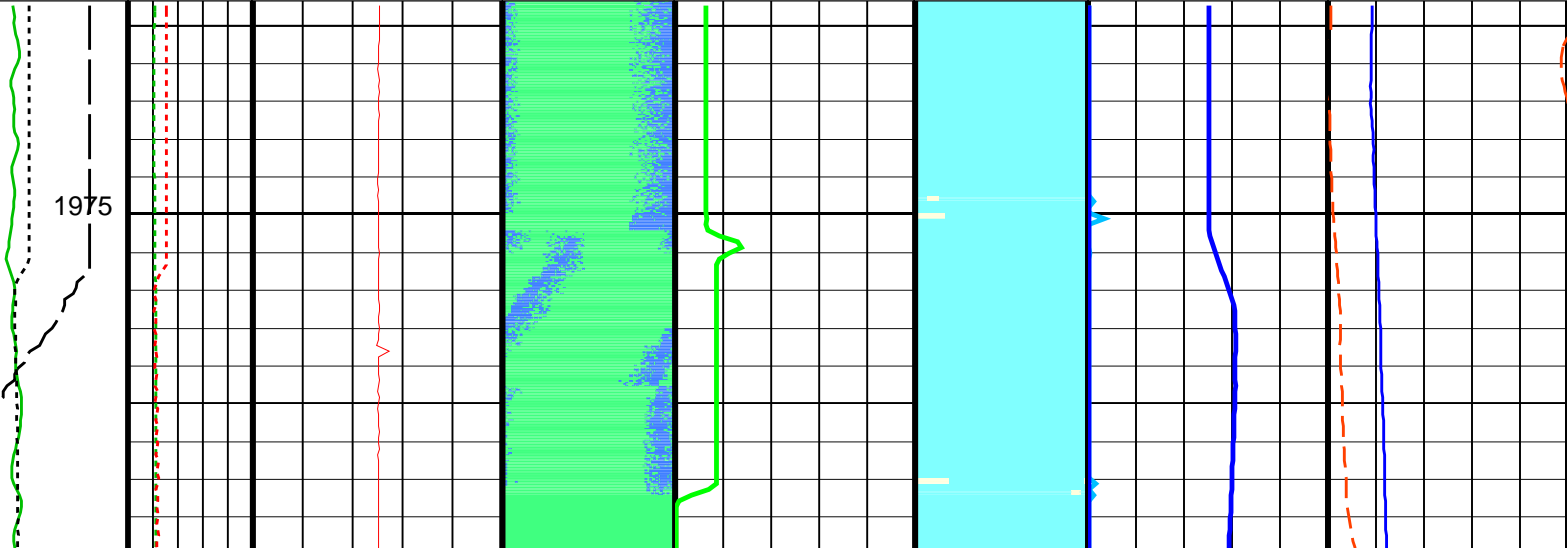
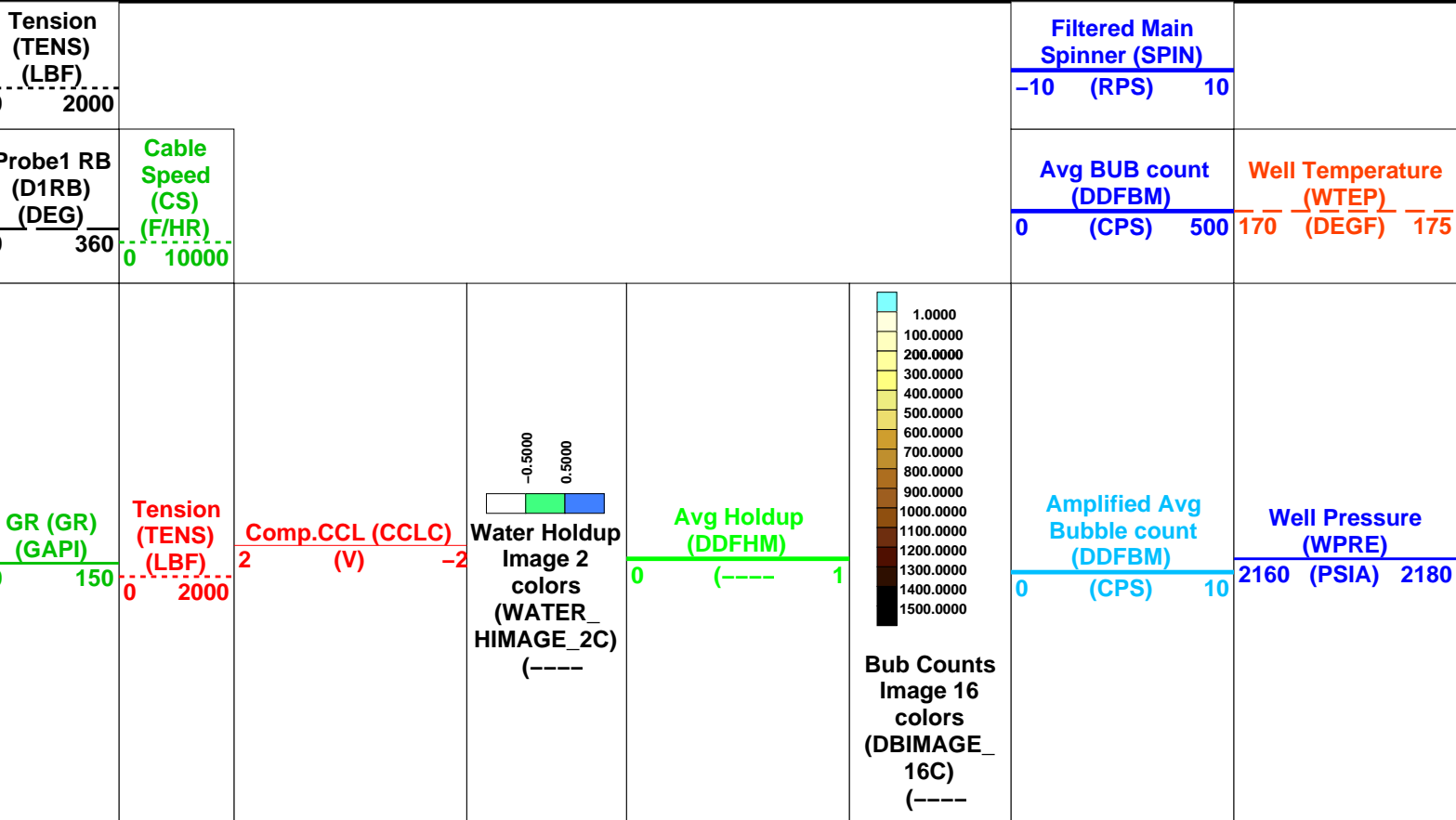
Output DLIS Files

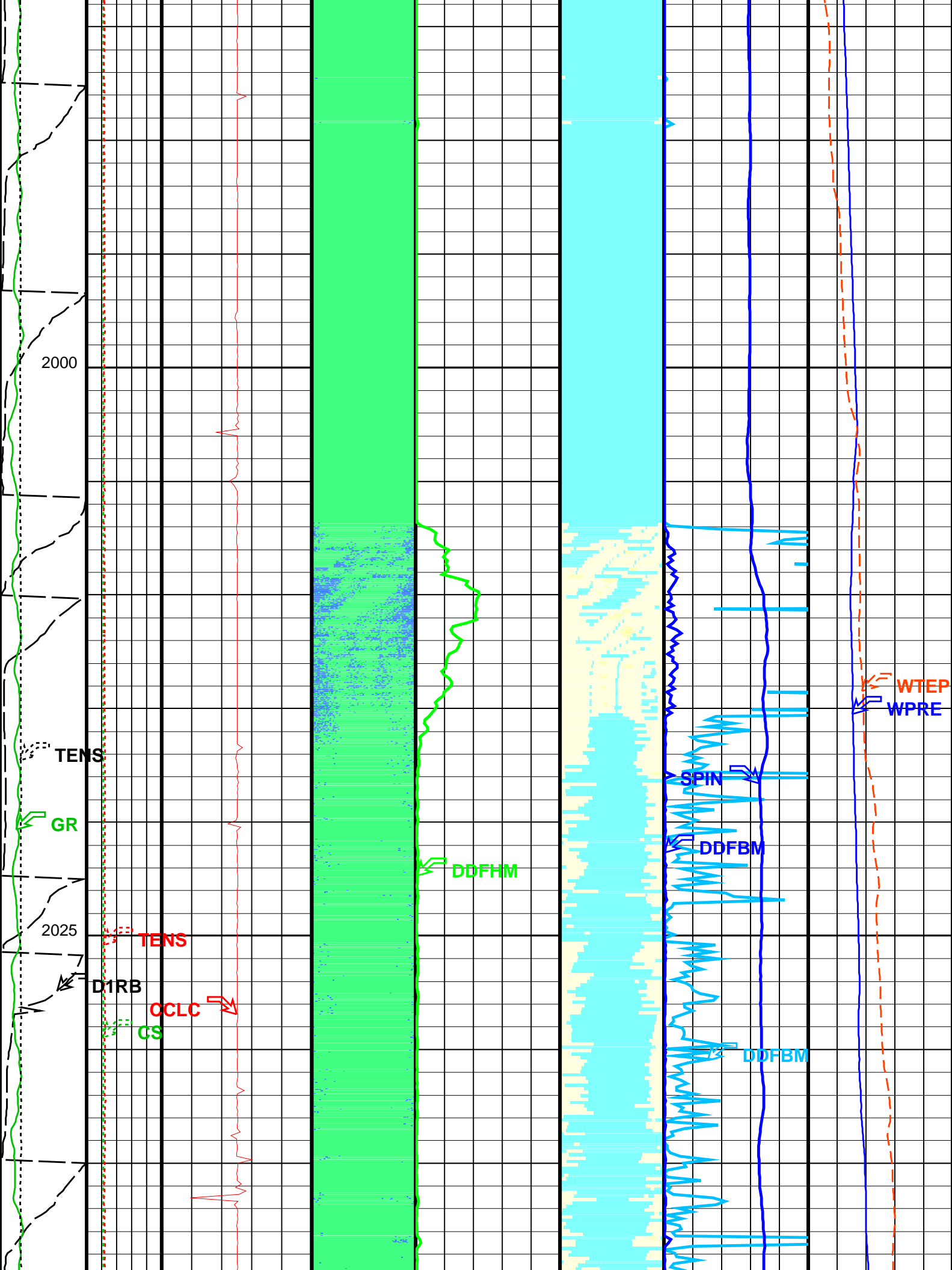
OP System Version: 14C0-302
MCM

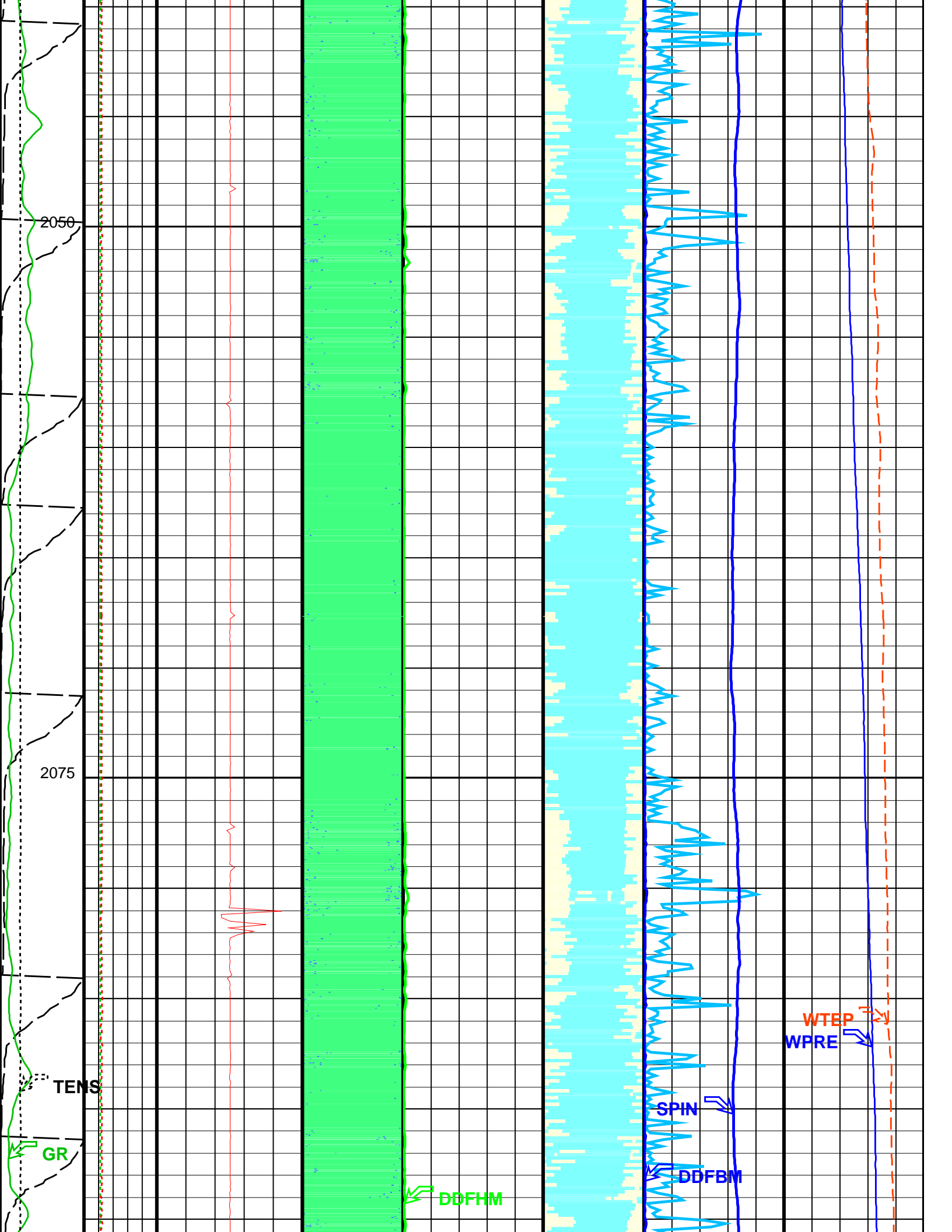
PFCS-A14C0-302PILS-A14C0-302

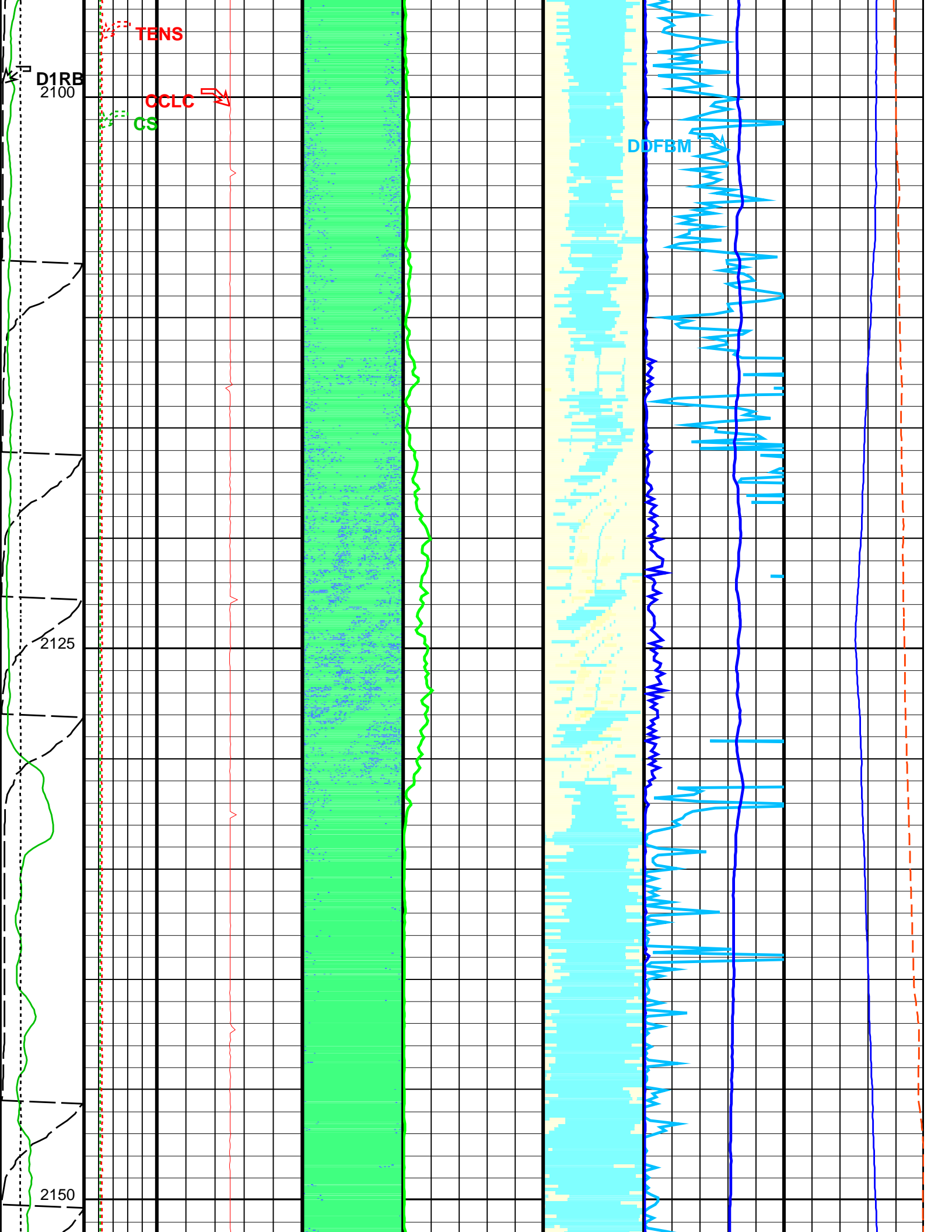
DEFT-C214C0-302PGMC-A/B14C0-302

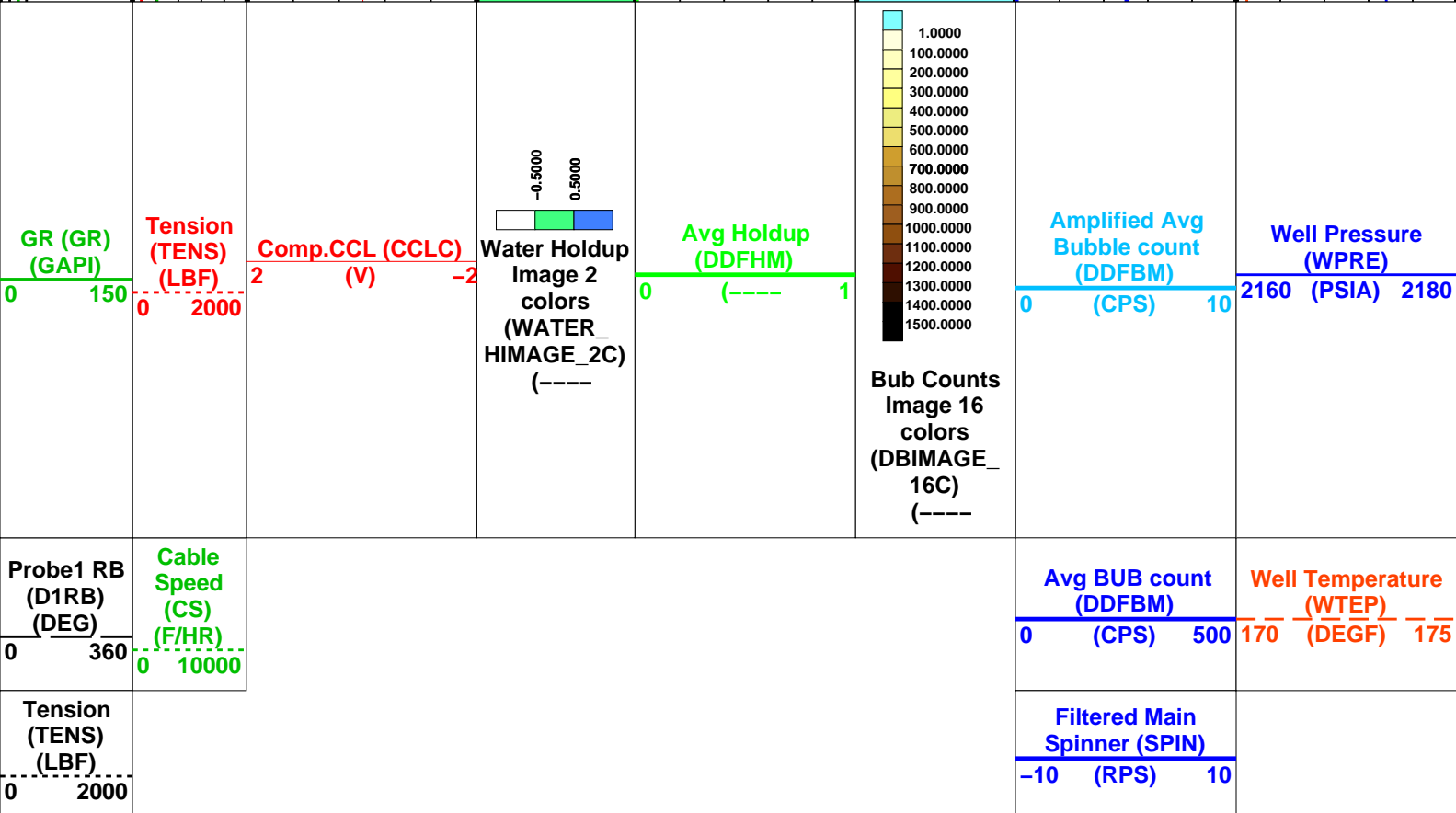
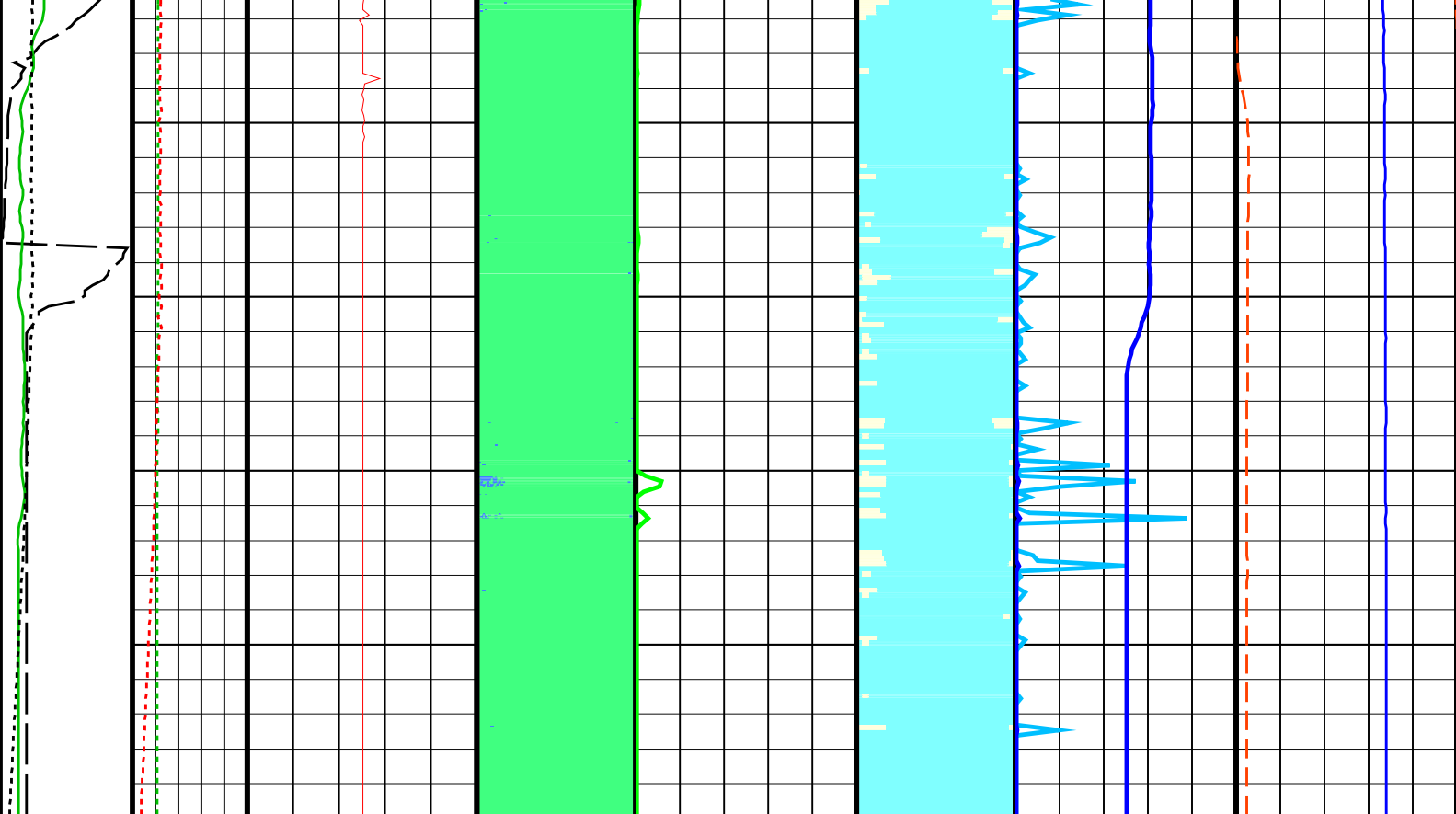
PSPT-B14C0-302











Format: DEFT_Image_DL Vertical Scale: 1:200 Graphics File Created: 19-Aug-2006 07:40

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

Parameters		
Plus Name	Description	Value

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
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_TURB
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_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
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	3.5 IN
PSPT-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	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_DEFT_GMS_ILS_037PUP	FN:28	PRODUCER	15-Aug-2006 21:40	2174.9 M	1968.9 M
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Output DLIS Files

DEFAULT	FCS_ILS_DEFT_GMS_123PUP	FN:113	PRODUCER	19-Aug-2006 07:40
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Calibration Listing

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
PSP Flow and caliper Tool Wellsite Calibration – PFCS Caliper Calibration							
Before: 9-Aug-2006 9:55							
PFCS CaliperX Small Ring	3.000	N/A	2.921	N/A	N/A	N/A	IN
PFCS CaliperX Large Ring	5.500	N/A	5.421	N/A	N/A	N/A	IN
PFCS CaliperY Small Ring	3.000	N/A	3.035	N/A	N/A	N/A	IN
PFCS CaliperY Large Ring	5.500	N/A	5.573	N/A	N/A	N/A	IN
DEFT_C Tool Wellsite Calibration – DEFT_C2 Caliper Calibration							
Before: 9-Aug-2006 9:55							
DEFT-C2 Caliper Small Ring	3.000	N/A	3.140	N/A	N/A	N/A	IN
DEFT-C2 Caliper Large Ring	5.500	N/A	5.570	N/A	N/A	N/A	IN

Production Services Logging Platform Wellsite Calibration – Detector Calibration

Before: 9-Aug-2006 9:29

Before: 9-Aug-2006 9:55	Gamma-Ray Jig-Bkg	125.0	N/A	123.3	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
PFCS Caliper	Cali –	799
PFCS Relative Bearing	Rela –	799
PFCS 3.5 Spinner Diameter	Spin –	799
PFCS Fluid Holdup Electric Probes	Hold –	799

Auxiliary Equipment:

PFCS Cartridge Housing	PFCH – A	799
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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			2.921	Before			5.421	Before			3.035	
N/A (Minimum)			3.000 (Nominal)	N/A (Maximum)				N/A (Minimum)			3.000 (Nominal)	N/A (Maximum)
Phase	PFCS CaliperY Large Ring IN		Value									
Before			5.573									
N/A (Minimum)			5.500 (Nominal)									N/A (Maximum)

Before: 9-Aug-2006 9:55

DEFT_C Tool / Equipment Identification

Primary Equipment:



DEFTC Cartridge	DFCC – C	793
DEFT_C Caliper	Cali –	793
DEFT_C2 Relative Bearing	Rela –	793
DEFT_C Flowmeter probes	Flow –	793

Auxiliary Equipment:

DEFTC Cartridge Housing	DFCH – C	793
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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			3.140	Before			5.570
	N/A (Minimum)	3.000 (Nominal)	N/A (Maximum)		N/A (Minimum)	5.500 (Nominal)	N/A (Maximum)

Before: 9-Aug-2006 9:55

Production Services Logging Platform / Equipment Identification



Primary Equipment:

Production Logging Platform (CQG-F)	PSPT – B	827
PSP Basic Measurement Sonde (CQG_F)	PBMS – B	827
PSP Basic measurement module	PBMS –	827
PSP CCL	CCL –	827
PSP GR	GR –	33143
PSP RTD Well Temperature	RTD_ –	827
PSP Crystal Quartz Gauge Type F	CQG_ –	827
PSP Telemetry and bus master cartridge	PSTC –	827

Auxiliary Equipment:

Production Services Logging Platform Wellsite Calibration

Detector Calibration

Phase	Gamma-Ray Background GAPI	Value	Phase	Gamma-Ray Jig-Bkg GAPI	Value
Before		4.621	Before		123.3
	0 (Minimum)	20.00 (Nominal)	120.0 (Maximum)	125.0 (Nominal)	140.0 (Maximum)

0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)	110.0 (Minimum)	125.0 (Nominal)	140.0 (Maximum)
Before: 9-Aug-2006 9:29					

Company: **Esso Australia Ltd.**

Schlumberger

Well: **W-8A**

Field: **West Tuna**

Rig: **Prod4/Crane**

Country: **Australia**

Gamma Ray
Pressure/Temperature
Dual Deft/Spinner Survey