

Compa

Well:  
Field:  
Rig:

Prod4/Crane  
Fortescue  
Gippsland  
A-18

Logging Date
Run Number
Depth Driller
Schlumberge
Bottom Log I
Top Log Inte
Casing Fluid
Salinity
Density
Fluid Level
BIT/CASIN
Bit Size
From
To
Casing/Tubir
Weight
Grade
From
To
Maximum Re
Logger On B
Unit Number
Recorded By
Witnessed B

Schlumberger

ny: **Esso Australia Ltd.**

A-18

# Fortescue

# Prod4/Crane

Country: **Australia**

Spinner-Gr-Pressure  
Dual Deft-Gradio-Ccl  
Temp-Survey

Company: Esso Australia Ltd.

LOCATION			
Gippsland Basin		Elev.:	K.B. 42.9 m
Bass Strait			G.L. -69 m
			D.F. 34 m
Permanent Datum:	M.S.L.	Elev.:	0 m
Log Measured From:	D.F.	34.0 m	above Perm. Datum
Drilling Measured From:	D.F.		
State:	Max. Well Deviation	Longitude	Latitude
Victoria	47 deg	148 16'36.62" E	038 24' 31.49" S

PVT DATA				
Oil Density	Run 1	Run 2	Run 3	Run 4
Water Salinity				
Gas Gravity				
Bo				
Bw				
1/Bg				
Bubble Point Pressure				
Bubble Point Temperature				
Solution GOR				
Maximum Deviation	47 deg			
CEMENTING DATA				
Primary/Squeeze	Primary			
Casing String No				
Lead Cement Type				
Volume				
Density				
Water Loss				
Additives				
Tail Cement Type				
Volume				
Density				
Water Loss				
Additives				
Expected Cement Top				

## DEPTH SUMMARY LISTING

Date Created: 15-JUN-2006 8:09:47

### Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-H	Type:	CMTD-C	Type:	2-23ZT
Serial Number:	797	Serial Number:	1037	Serial Number:	22372
Calibration Date:	10-May-2006	Calibration Date:	13-Jun-2006	Length:	4999.94 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1174	Conveyance Method: Wireline Rig Type: Offshore_Fixed	
Calibration Cable Type:	2-32ZT	Calibration Gain:	1.35		
Wheel Correction 1:	-3	Calibration Offset:	772.00		
Wheel Correction 2:	-3				

### Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Fortescue A18 Correlation log
Reference Log Run Number:	1
Reference Log Date:	1993

### Depth Control Remarks

1. Correlated to solar log provided by cliant
2. IDW used as primary depth control
3. Z-Chart used as secondary depth control.
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 : Exxonmobil Fortescue A18 composite log .	
Objectives: Compleet PSP survey , DEFT/Spinners	
(both inline and fullbore)/Pressure / Temperature survey over	
the interval 3085m MDKB to 3120m MDKB .	
Shut in and flowing Passes : 5m/min UP , 10m/min UP/DOWN	
20m/min Down and 30m/min UP/DOWN	
maximum well deviation = 47 degrees at 1358m MDKB.	
STHP = 890psia , SBHP = 3153psia	
FTHP = 424psia , FBHP = 3100psia	
SBHT = 227degf , FBHT = 228degf	
TD Tagged @ 3118m MDKB	

Crew : John Light & Andrew Hall.

RUN 1  
SERVICE ORDER #:  
PROGRAM VERSION:  
FLUID LEVEL:  
Ausl06297082  
14C0-302

RUN 2  
SERVICE ORDER #:  
PROGRAM VERSION:  
FLUID LEVEL:

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1  
SURFACE EQUIPMENT

WITM-A  
PSC\_16MHZ

DOWNHOLE EQUIPMENT

AH-SWBS/B 761  
AH-SWBS/B 761  
11.23

AH-SWBS/B 762  
AH-SWBS/B 762  
10.55

AH-SWBS/B 763  
AH-SWBS/B 763  
9.86

AH-SWBS/B 731  
AH-SWBS/B 731  
9.17

MH-SWHA/A 726  
MH-SWHA/A 726  
Detail MT  
TelStatus  
CTEM  
8.49

PSPT-A/B  
PSC-A 827  
PSPT-B 827  
PSTC 827  
PBMS-B 827  
CQG\_F Mano 827  
RTD Thermometer 827  
GR 33153  
CCL 827  
PBMS 827  
8.16  
8.16

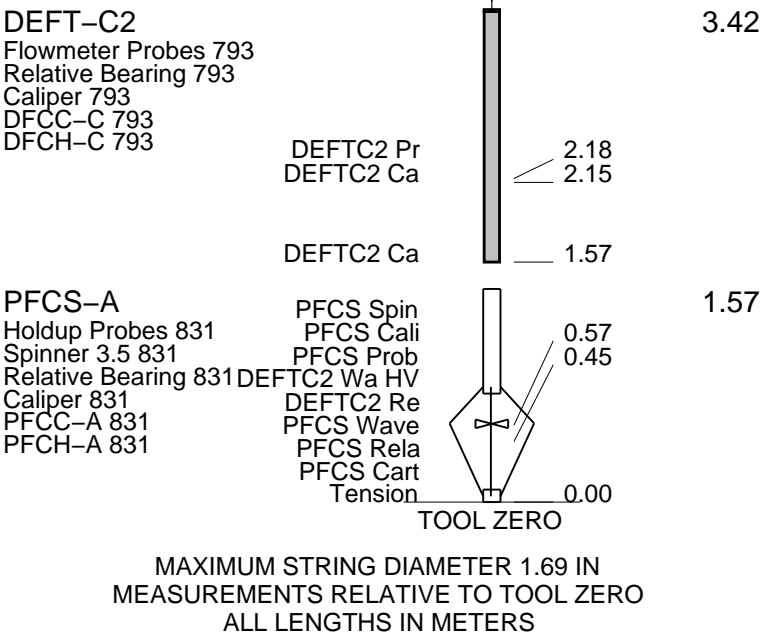
Well\_Temp  
CQG Manom  
CCL  
PBMS PSTC  
6.10  
5.99  
5.87  
5.64

PGMC-A/B  
PGMC-A 826  
PSOI\_Gradio 1926  
Gradioman  
5.64  
5.18

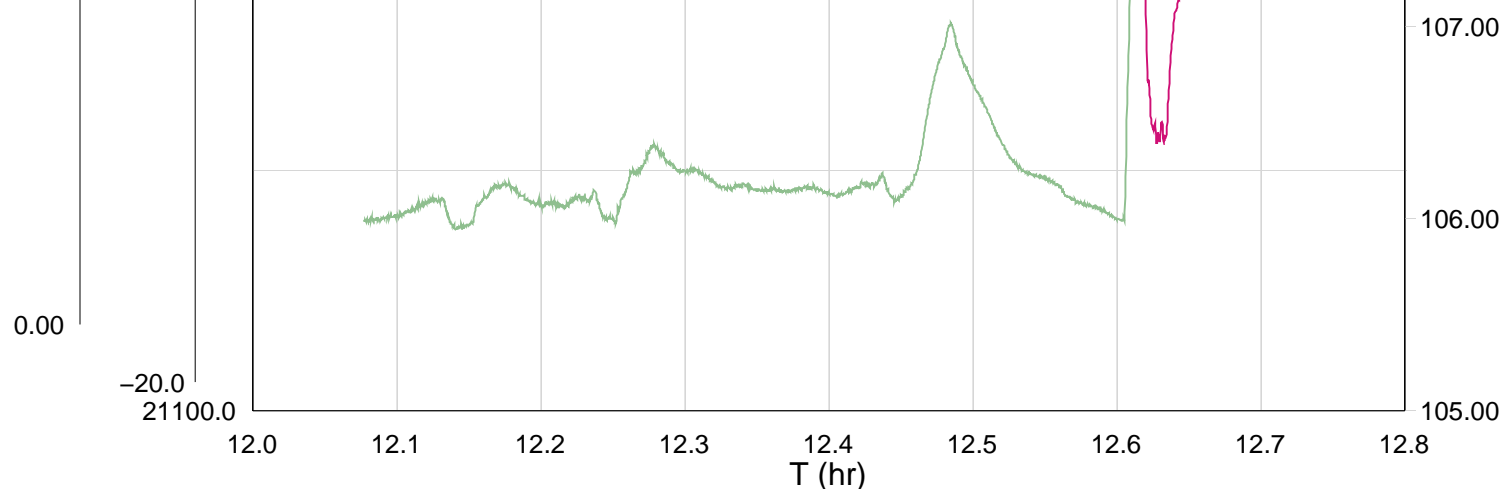
PGMC  
4.19

PILS-A  
PILS-A 839  
Spinner  
4.19  
3.69









TIME	SPIN_SL	DFHM_SL	WFDE_SL	WTEP_SL	WPRE_SL
16350.0	12.9068	0.8542	0.9267	227.6633	3071.8117
16500.0	12.3592	0.8759	0.9328	227.6626	3073.0660
16650.0	12.2695	0.8561	0.9278	227.6632	3073.7409
16800.0	12.3808	0.8667	0.9325	227.6595	3072.8099
16950.0	12.7333	0.8625	0.9326	227.6590	3071.9325
17100.0	11.8960	0.8622	0.9337	227.6566	3075.0171
17250.0	12.2686	0.8429	0.9359	227.6571	3073.7796
17400.0	12.1934	0.8549	0.9331	227.6583	3073.6825
17550.0	12.2537	0.8530	0.9318	227.6602	3073.7260
17700.0	11.7899	0.8608	0.9302	227.6594	3074.2012
17850.0	10.0414	0.8687	0.9338	227.6502	3079.9811
18000.0	11.9213	0.8732	0.9368	227.6504	3074.5632
18150.0	12.2398	0.8702	0.9309	227.6567	3072.6364
18300.0	0.0444	0.8424	0.9411	227.6887	3113.3968
18450.0	0.1813	1.0000	0.9774	227.6823	3115.6528
18600.0	0.1656	0.9993	0.9763	227.6769	3116.2337



Merged Flowing Spinners

MAXIS Field Log

Company: Esso Australia Ltd. Well: A-18

PLQL Data Manager Files

- Pass # 1 : Log down @ 10m / min
- Pass # 2 : Log up @ 10m / min
- Pass # 3 : Log down @ 20m / min
- Pass # 4 : Log up @ 20m / min
- Pass # 5 : Log down @ 30m / min
- Pass # 6 : Log up @ 30m / min

Company: Esso Australia Ltd. Well: A-18

# Output DLIS Files

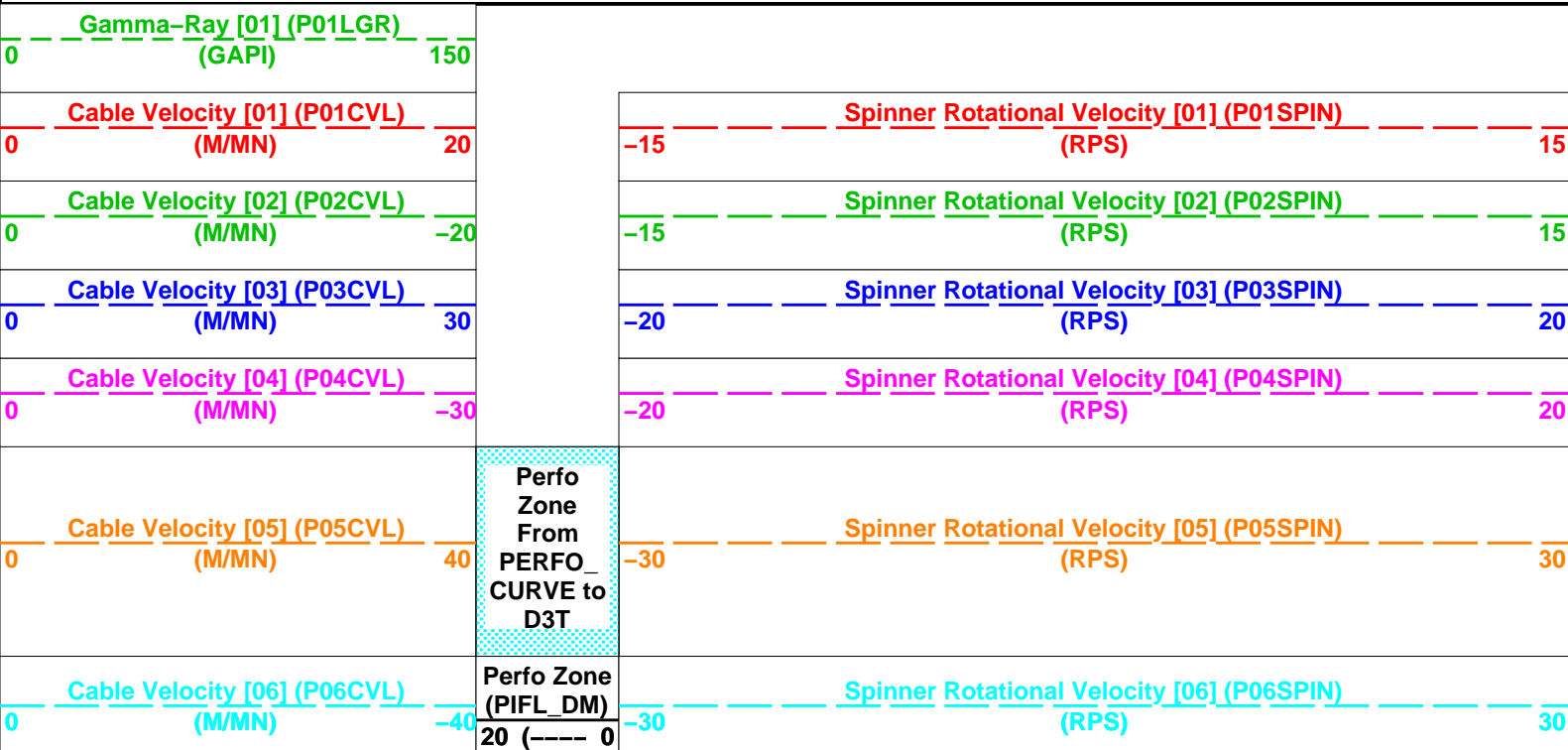
DEFAULT FCS\_DEFT\_ILS\_GMS\_115PUP FN:133 PRODUCER 14-Jun-2006 15:42 3118.3 M 3063.2 M

## OP System Version: 14C0-302

MCM

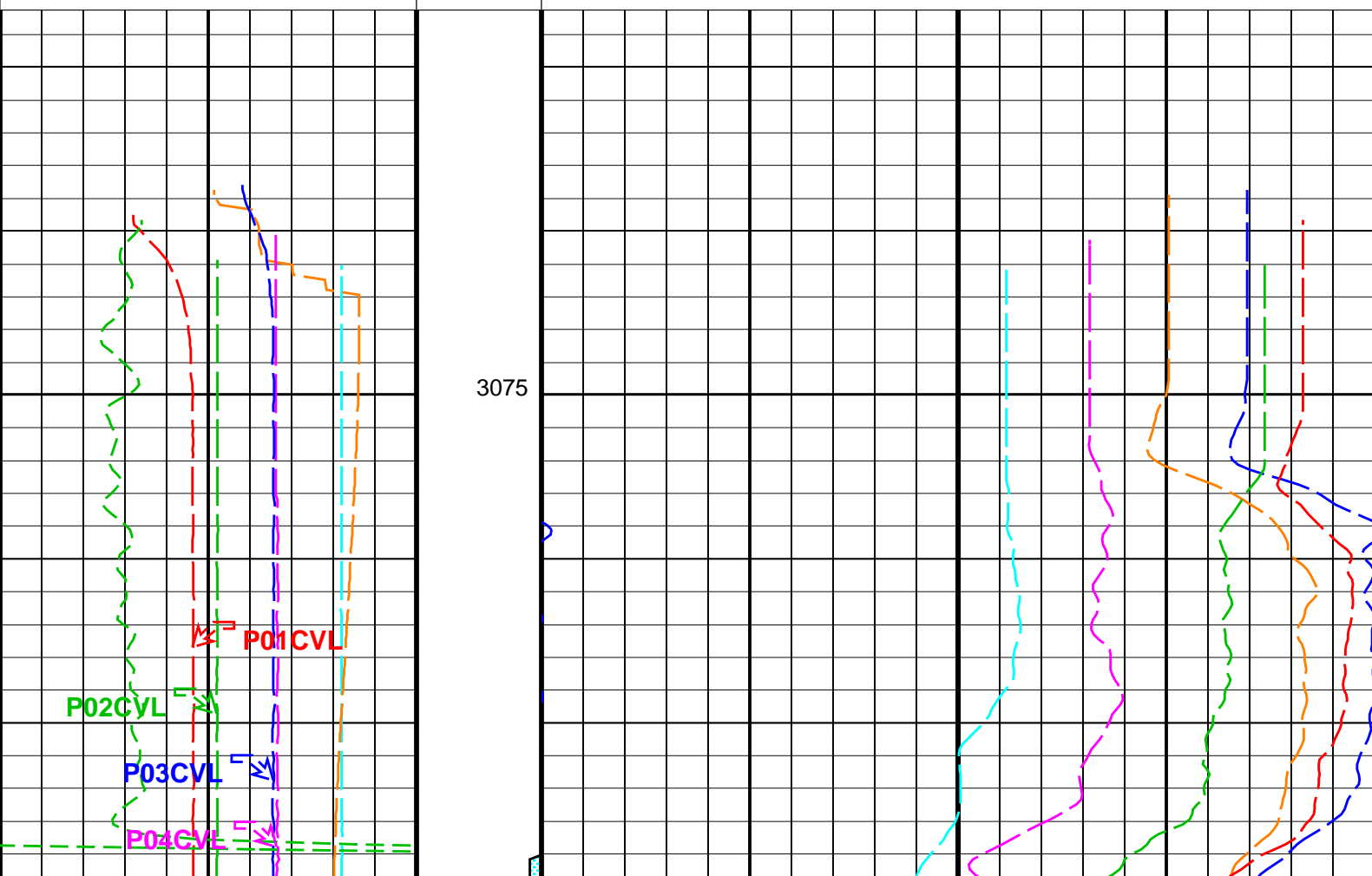
PFCS-A 14C0-302  
PILS-A 14C0-302  
PSPT-A/B 14C0-302

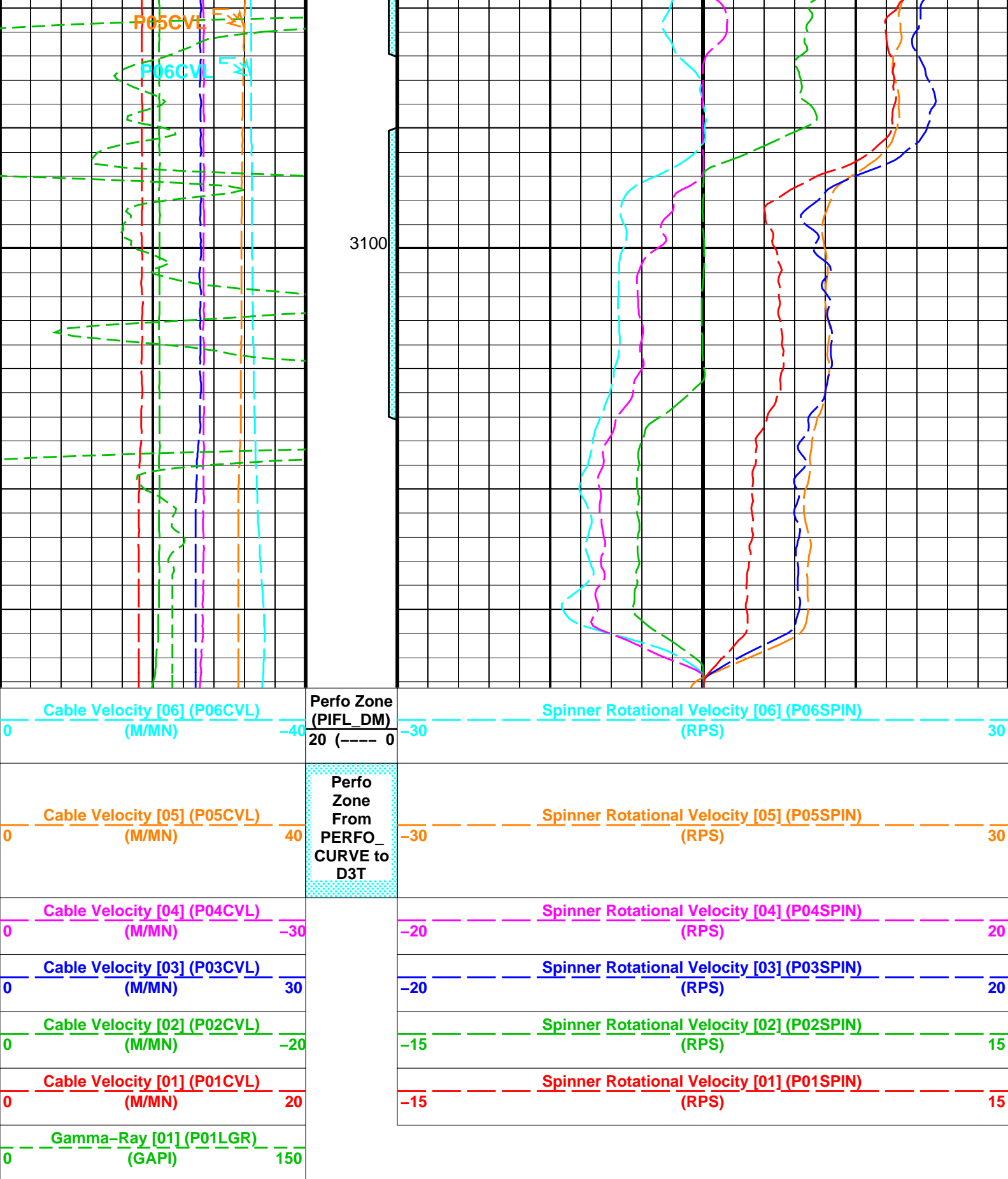
DEFT-C2 14C0-302  
PGMC-A/B 14C0-302



Perfo  
Zone  
From  
PERFO\_  
CURVE to  
D3T

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





## Parameters


DLIS Name	Description	Value
CSID	PFCS-A: PSP Flow and caliper Tool	6.875 IN
CSID	DEFT-C2: DEFT_C Tool	6.875 IN
CSID	PGMC-A/B: PSP Gradiometer Measurement Module	6.875 IN

CSID	PGMC-A/B: PSP Graduationmeter Measurement Module	6.875	IN
CSID	PSPT-A/B: Production Services Logging Platform	6.875	IN
CSID	BORDYN: BorDyn (Well Test Validation)	6.875	IN
CCLS	PLQL: Production Logging Quick Look		
FCHD	CCL Selector	CCLC	
PCVS	Cased Hole Diameter Selector	PFC1	
PGRS	CVEL Selector	CVEL	
PGS	GR Selector	GR	
PWHS	Pressure Gauge Selector	WPRE	
RHOS	PLQL Water HoldUp Selector	DFHM	
SPIS	Fluid Density Selector	WFDE	
TMPS	Spinner Selector	SPIN	
	Temperature Selector	WTEP	

Format: PLQLMultipasses	Vertical Scale: 1:200	Graphics File Created: 14-Jun-2006 15:42
-------------------------	-----------------------	--

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

Output DLIS Files			
DEFAULT	FCS_DEFT_ILS_GMS_115PUP	FN:133	PRODUCER 14-Jun-2006 15:42

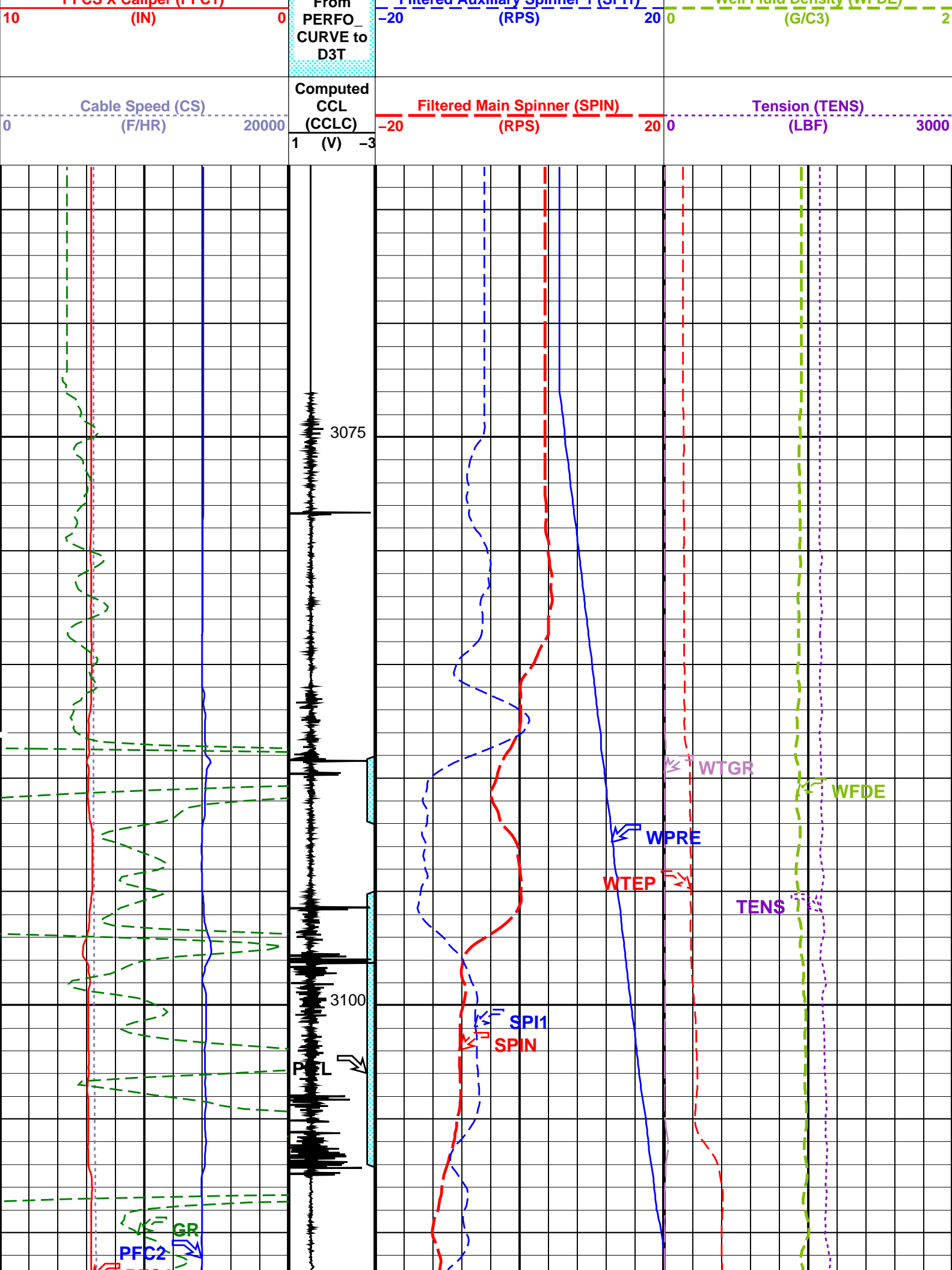
		<div>Flowing Pass</div> <div>Up @ 30m / min</div>
		MAXIS Field Log

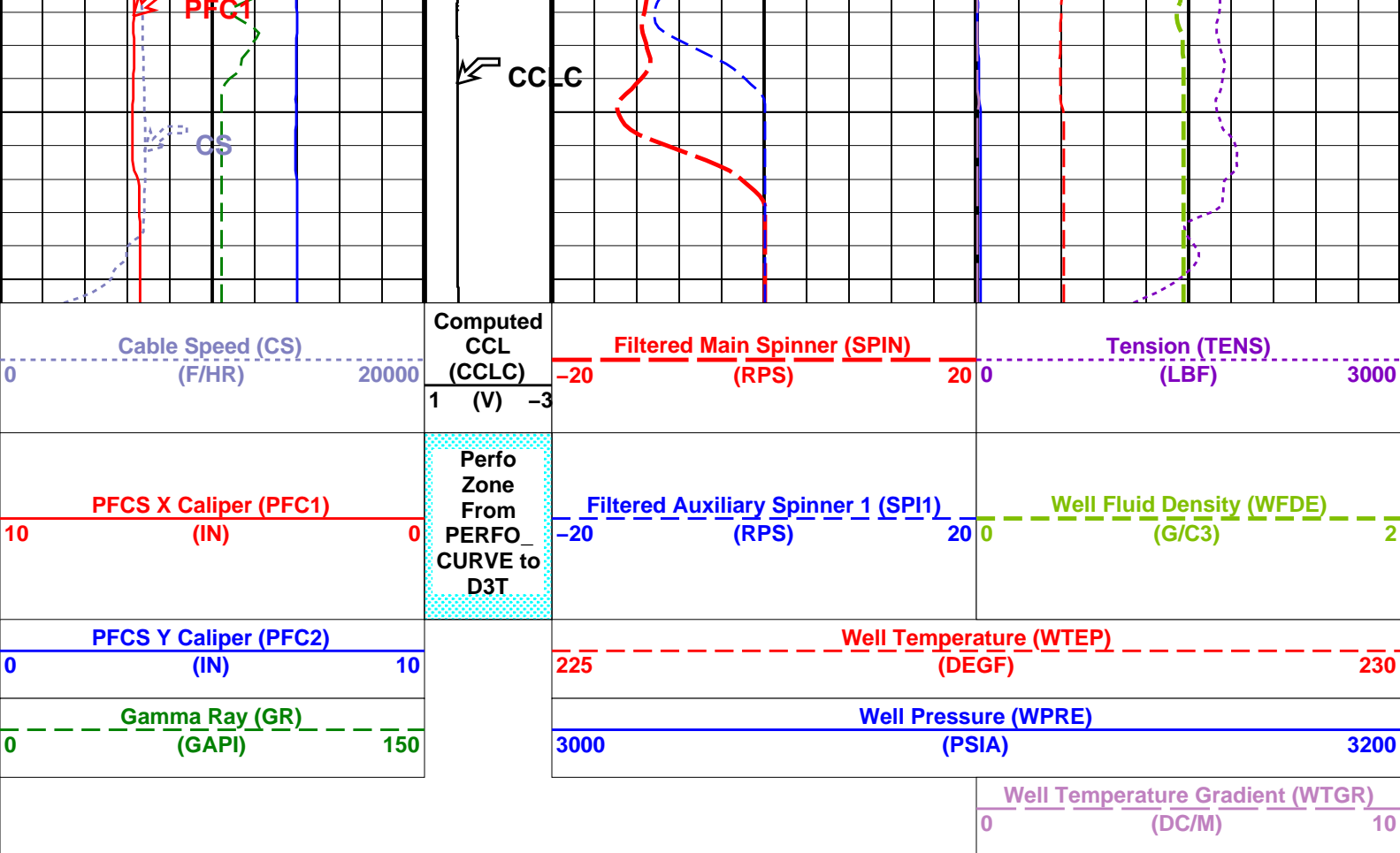
Input DLIS Files			
DEFAULT	DEFT_087LUP	FN:89	PRODUCER 14-Jun-2006 11:47 3120.7 M 3070.7 M
Output DLIS Files			
DEFAULT	DEFT_103PUP	FN:113	PRODUCER 14-Jun-2006 13:37 3120.7 M 3062.9 M
CUSTOMER	DEFT_103PUC	FN:114	CUSTOMER 14-Jun-2006 13:37 3120.7 M 3062.9 M

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

PIP SUMMARY	
<div>Time Mark Every 60 S</div>	

		Well Temperature Gradient (WTGR)	
		0	10
		(DC/M)	
<div>Gamma Ray (GR)</div> <div>(GAPI)</div>		Well Pressure (WPRE)	
<div>0</div> <div>150</div>		<div>3000</div> <div>3200</div>	
		(PSIA)	
<div>PFCS Y Caliper (PFC2)</div>		Well Temperature (WTEP)	
<div>0</div> <div>10</div>		<div>225</div> <div>230</div>	
		(DEGF)	
<div>PFCS X Caliper (PFC1)</div>		Perfo Zone	Well Fluid Density (WEDE)
		Filtered Auxiliary Spinner 1 (SP11)	





#### PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 14-Jun-2006 13:37

### OP System Version: 14C0-302

MCM

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

### Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

### Input DLIS Files

DEFAULT	DEFT_087LUP	FN:89	PRODUCER	14-Jun-2006 11:47	3120.7 M	3070.7 M
---------	-------------	-------	----------	-------------------	----------	----------

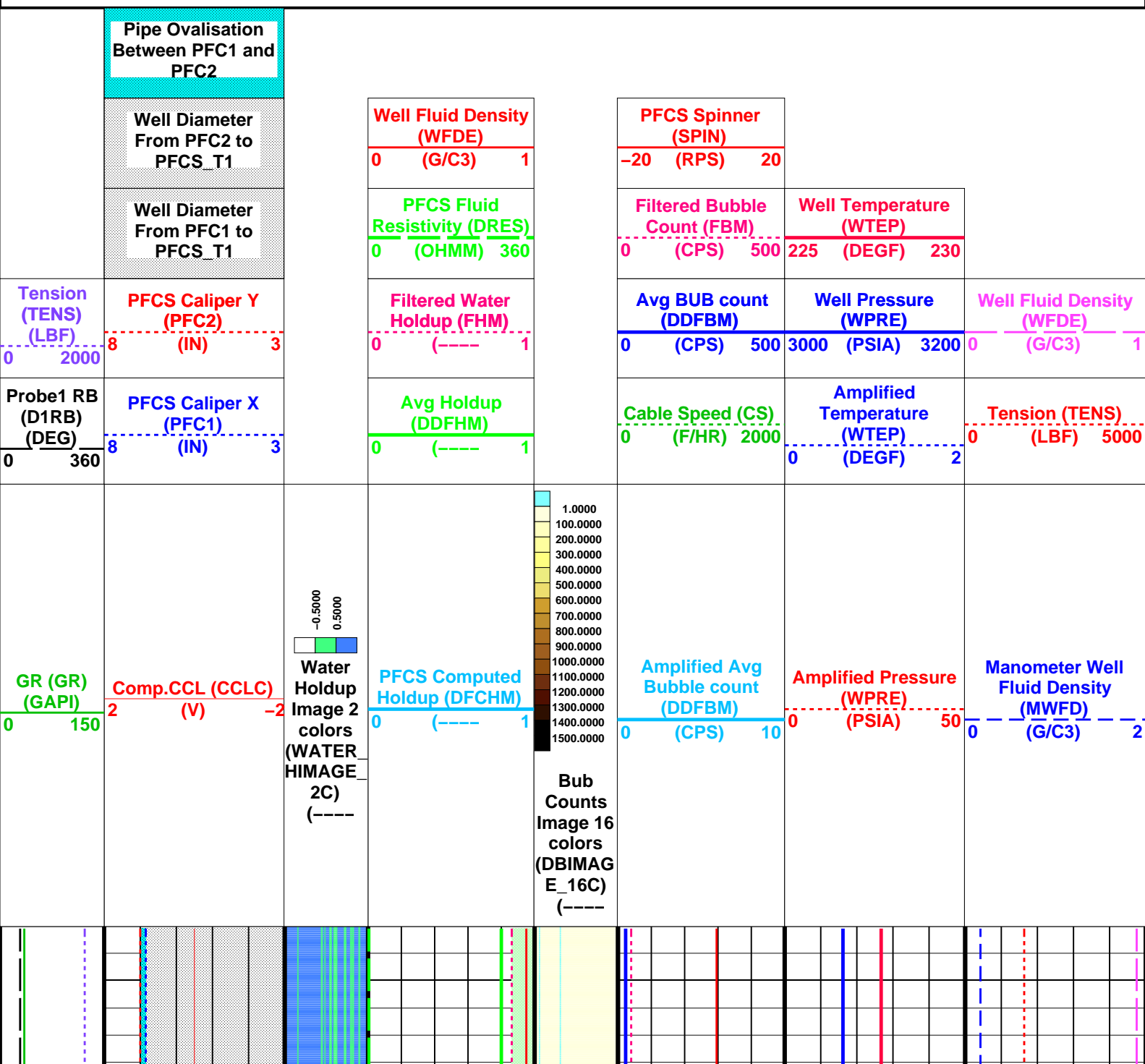
### Output DLIS Files

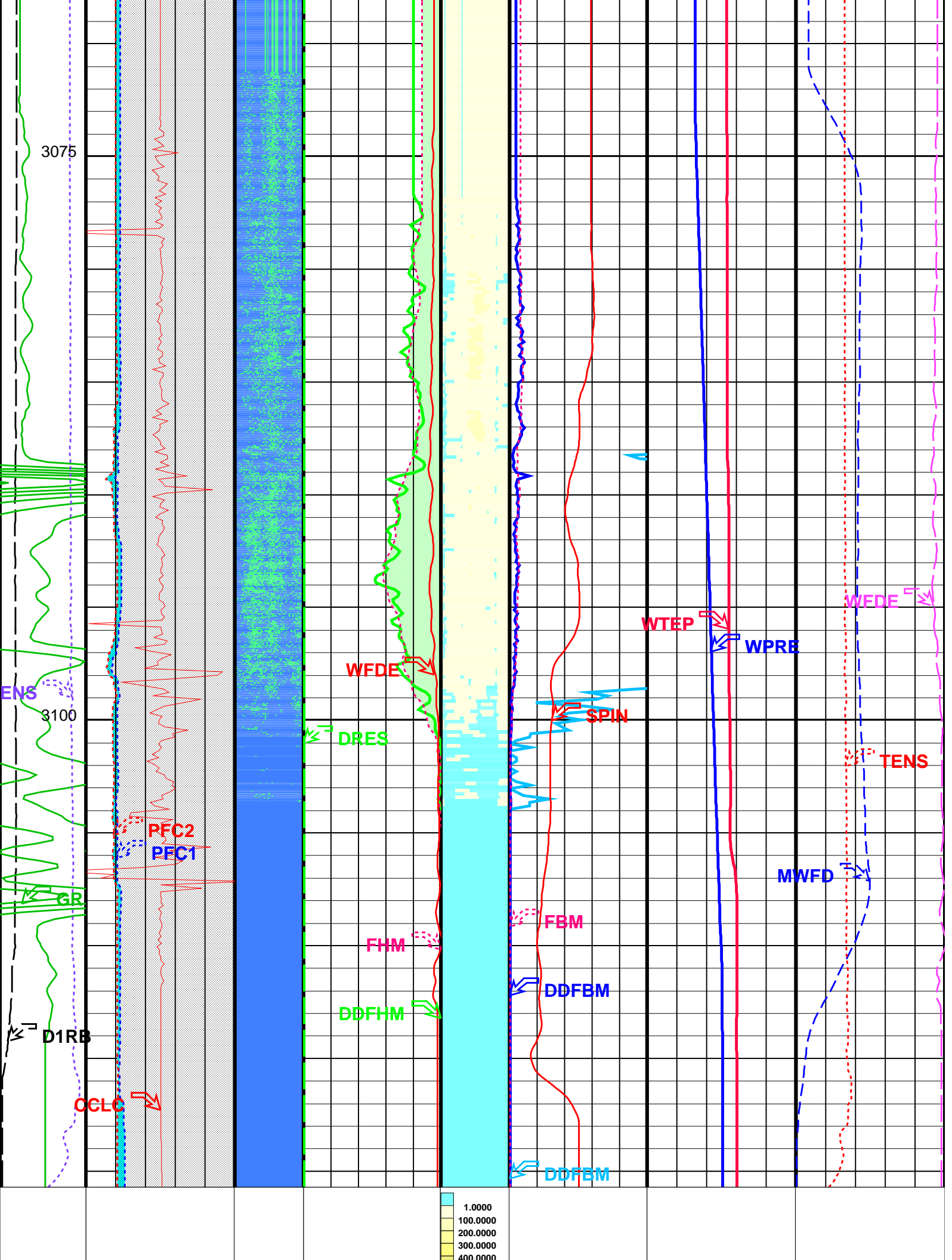


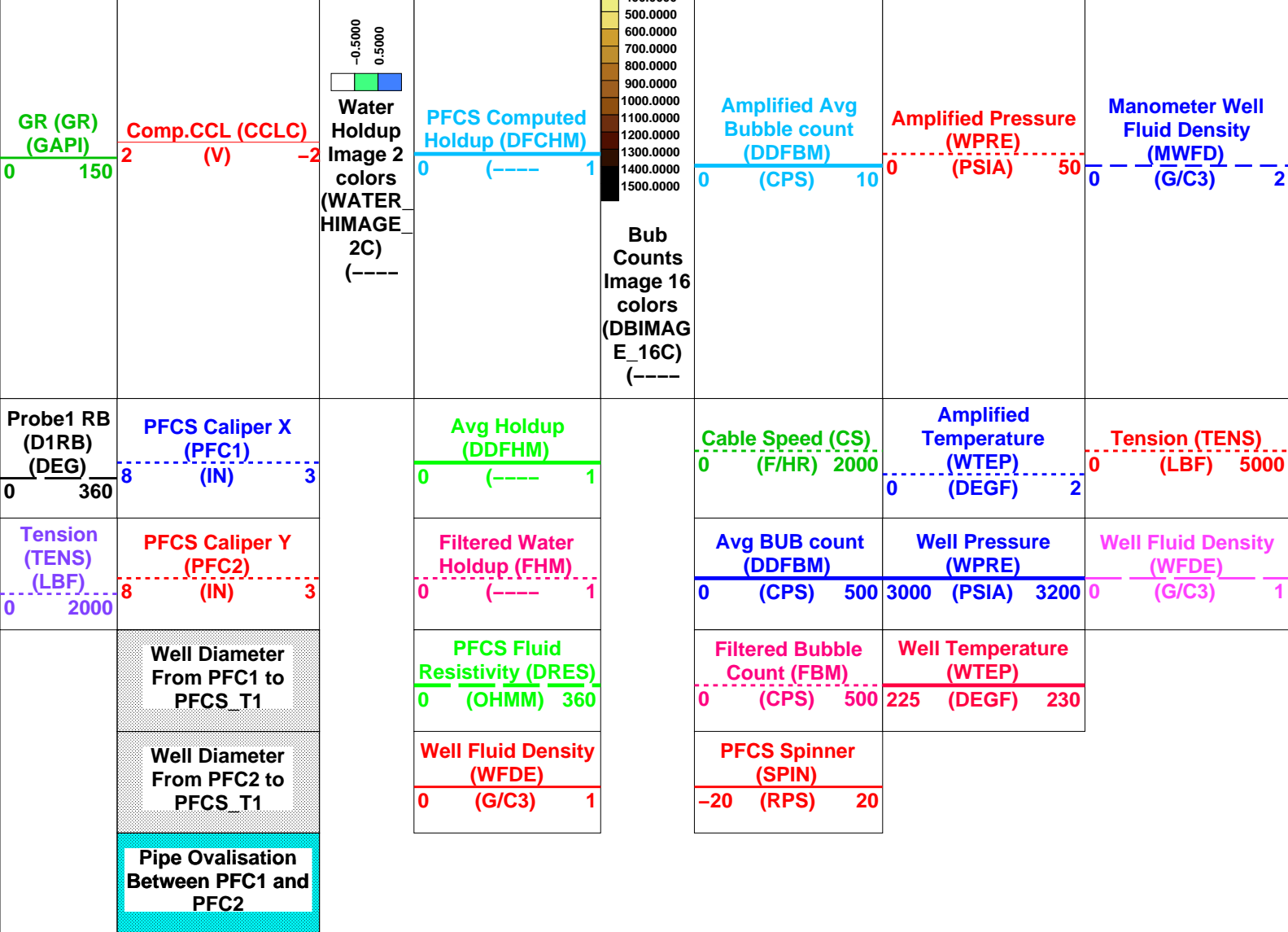
DEFAULT	DEFT 087LUP	FN:89	PRODUCER	14-Jun-2006 11:47	3120.7 M	3070.7 M
---------	-------------	-------	----------	-------------------	----------	----------

DEFAULT	DEFT_103PUP	FN:113	PRODUCER	14-Jun-2006 13:37	3120.7 M	3062.9 M
CUSTOMER	DEFT_103PUC	FN:114	CUSTOMER	14-Jun-2006 13:37	3120.7 M	3062.9 M

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







## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	

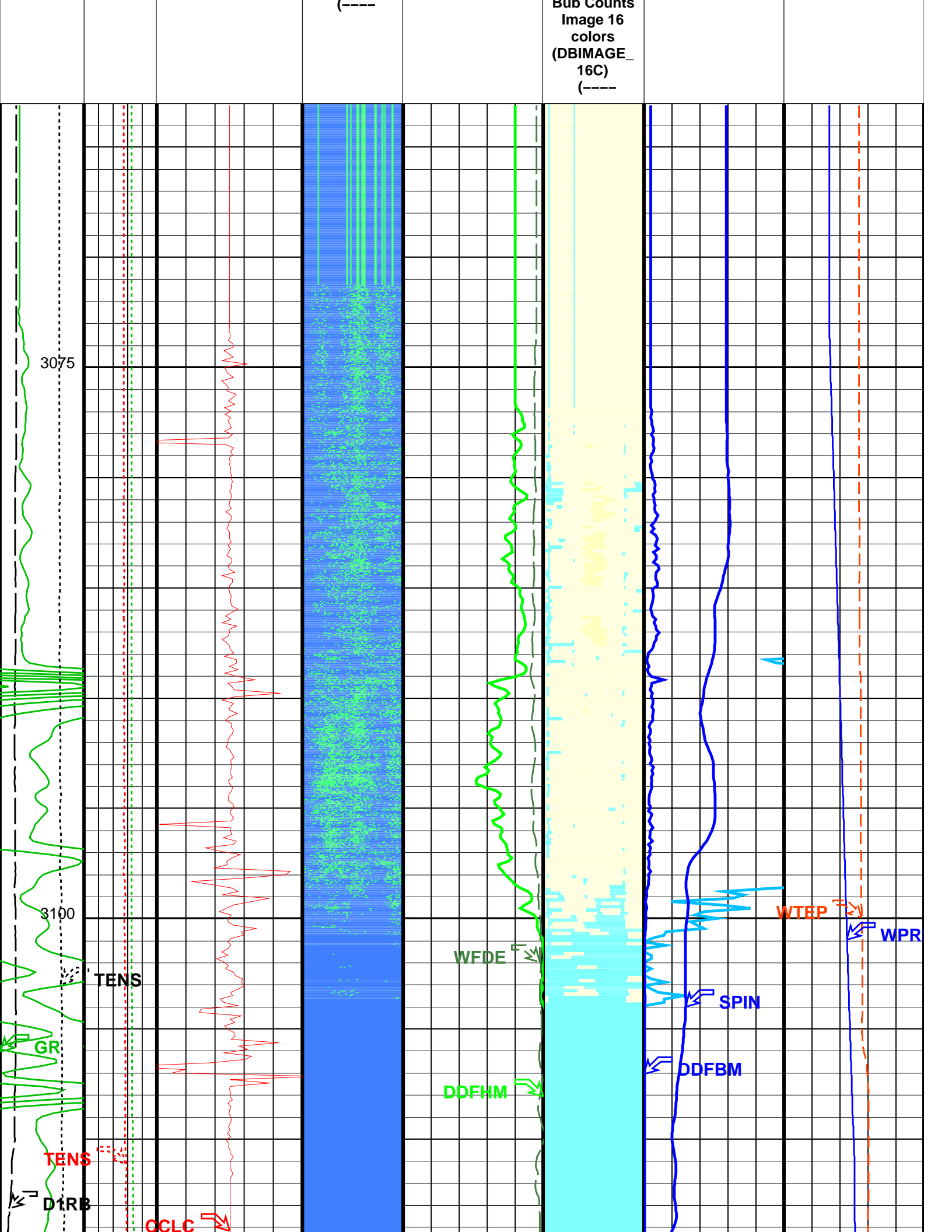
DEFT	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP2	Probes Arm Position (2nd tool)	D
PFGC	PFCS Geometrical coefficient	1200
PILS-A: PSP In Line	Spinner Flowmeter	
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPD	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
CSIZ	Current Casing Size	7.625 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files						
DEFAULT	DEFT_087LUP	FN:89	PRODUCER	14-Jun-2006 11:47	3120.7 M	3070.7 M
Output DLIS Files						
DEFAULT	DEFT_103PUP	FN:113	PRODUCER	14-Jun-2006 13:37		
CUSTOMER	DEFT_103PUC	FN:114	CUSTOMER	14-Jun-2006 13:37		

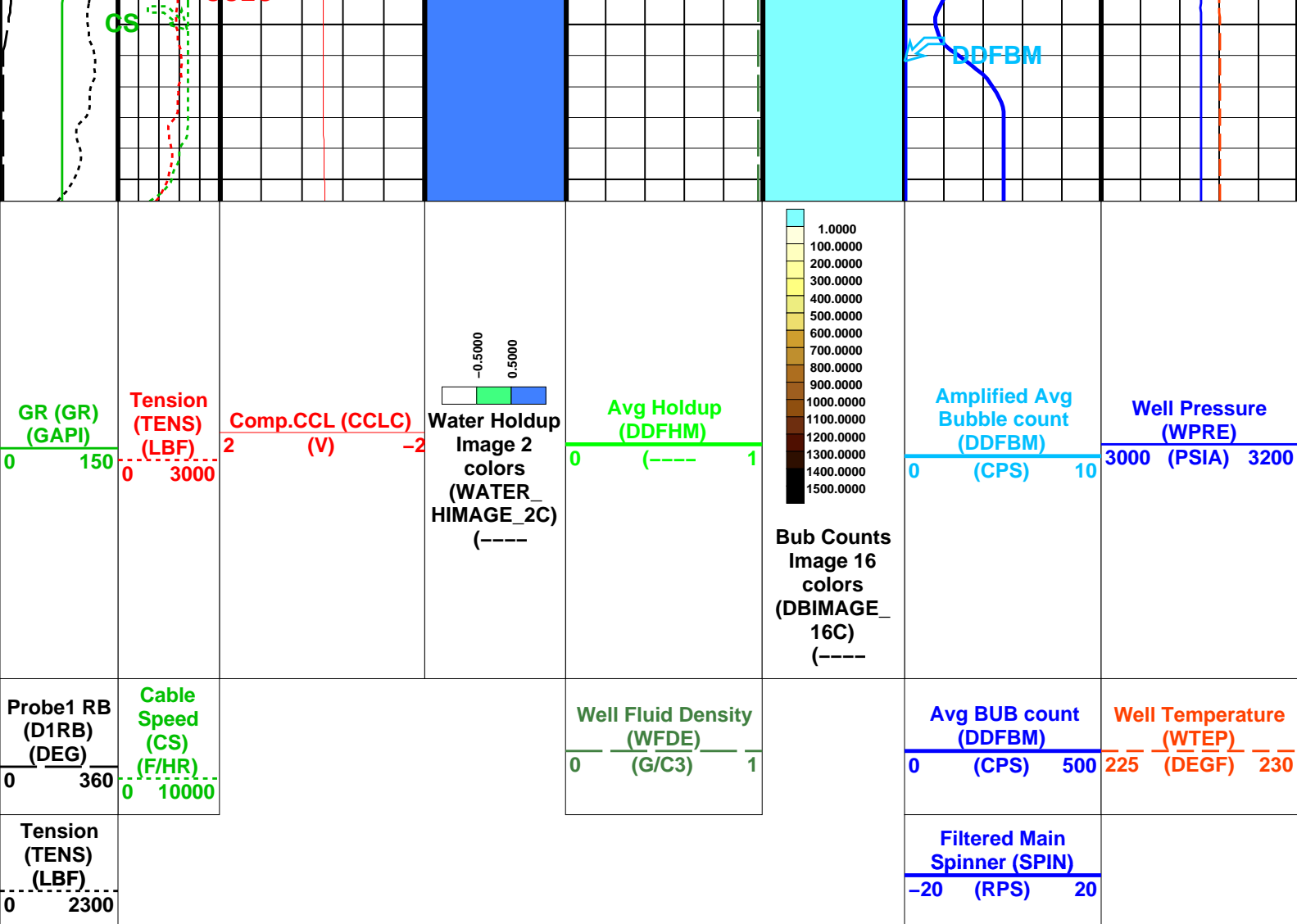
Input DLIS Files						
DEFAULT	DEFT_087LUP	FN:89	PRODUCER	14-Jun-2006 11:47	3120.7 M	3070.7 M
Output DLIS Files						
DEFAULT	DEFT_103PUP	FN:113	PRODUCER	14-Jun-2006 13:37	3120.7 M	3062.9 M
CUSTOMER	DEFT_103PUC	FN:114	CUSTOMER	14-Jun-2006 13:37	3120.7 M	3062.9 M

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

Tension (TENS) (LBF)					Filtered Main Spinner (SPIN)	
0 2300					-20 (RPS) 20	
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)	Well Fluid Density (WFDE) (G/C3)		Avg BUB count (DDFBM) (CPS)	Well Temperature (WTEP) (DEGF)	
0 360	0 10000	0 1		0 500	225 230	
GR (GR) (GAPI)	Tension (TENS) (LBF)	Comp.CCL (CCLC) (V)	Water Holdup Image 2 colors (WATER_HIMAGE_2C)	Avg Holdup (DDFHM) (----)	Amplified Avg Bubble count (DDFBM) (CPS)	Well Pressure (WPRE) (PSIA)
0 150	0 3000	2 -2	-0.5000 0.5000	0 1	0 10	3000 3200







Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 14-Jun-2006 13:37

## OP System Version: 14C0-302

MCM


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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6

SPIN	PGMC-A/B: PSP Gradiomanometer Measurement Module	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
CSID		Casing Size I.D.	6.875	IN
GCPG		Gradio Surf.Cal Diff.Pres Gain	1	
GCPO		Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH		Gradio Correction Density Shift	0	G/C3
	PSPT-A/B: Production Services Logging Platform			
CSID		Casing Size I.D.	6.875	IN
GDEV		Average Angular Deviation of Borehole from Normal	40	DEG
	BORDYN: BorDyn (Well Test Validation)			
CSID		Casing Size I.D.	6.875	IN
	System and Miscellaneous			
DO		Depth Offset for Playback	0.0	M
PP		Playback Processing	NORMAL	

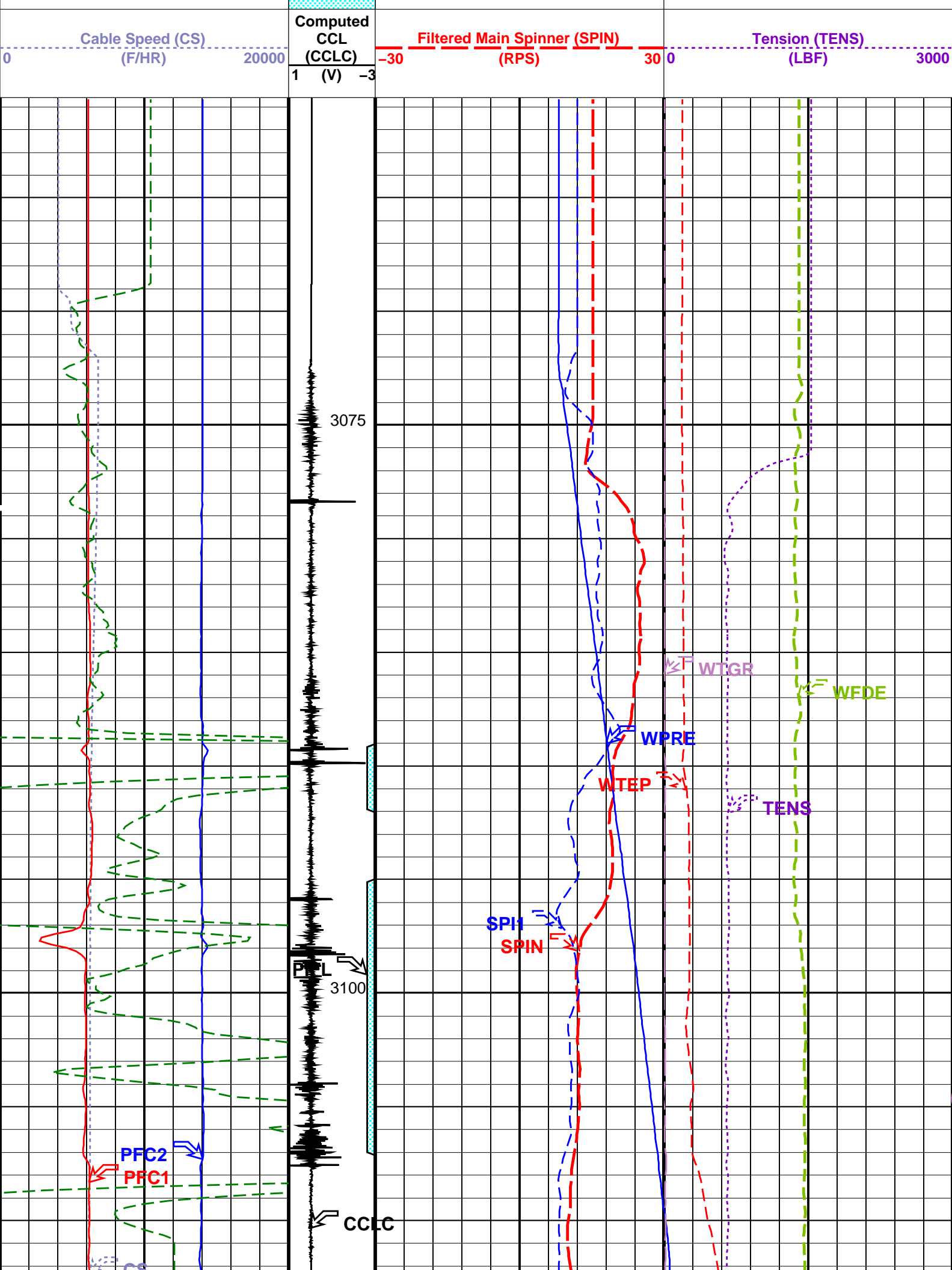
Input DLIS Files						
DEFAULT	DEFT_087LUP	FN:89	PRODUCER	14-Jun-2006 11:47	3120.7 M	3070.7 M
Output DLIS Files						
DEFAULT	DEFT_103PUP	FN:113	PRODUCER	14-Jun-2006 13:37		
CUSTOMER	DEFT_103PUC	FN:114	CUSTOMER	14-Jun-2006 13:37		

	<div>Flowing Pass Down @ 30m / min</div>
MAXIS Field Log	

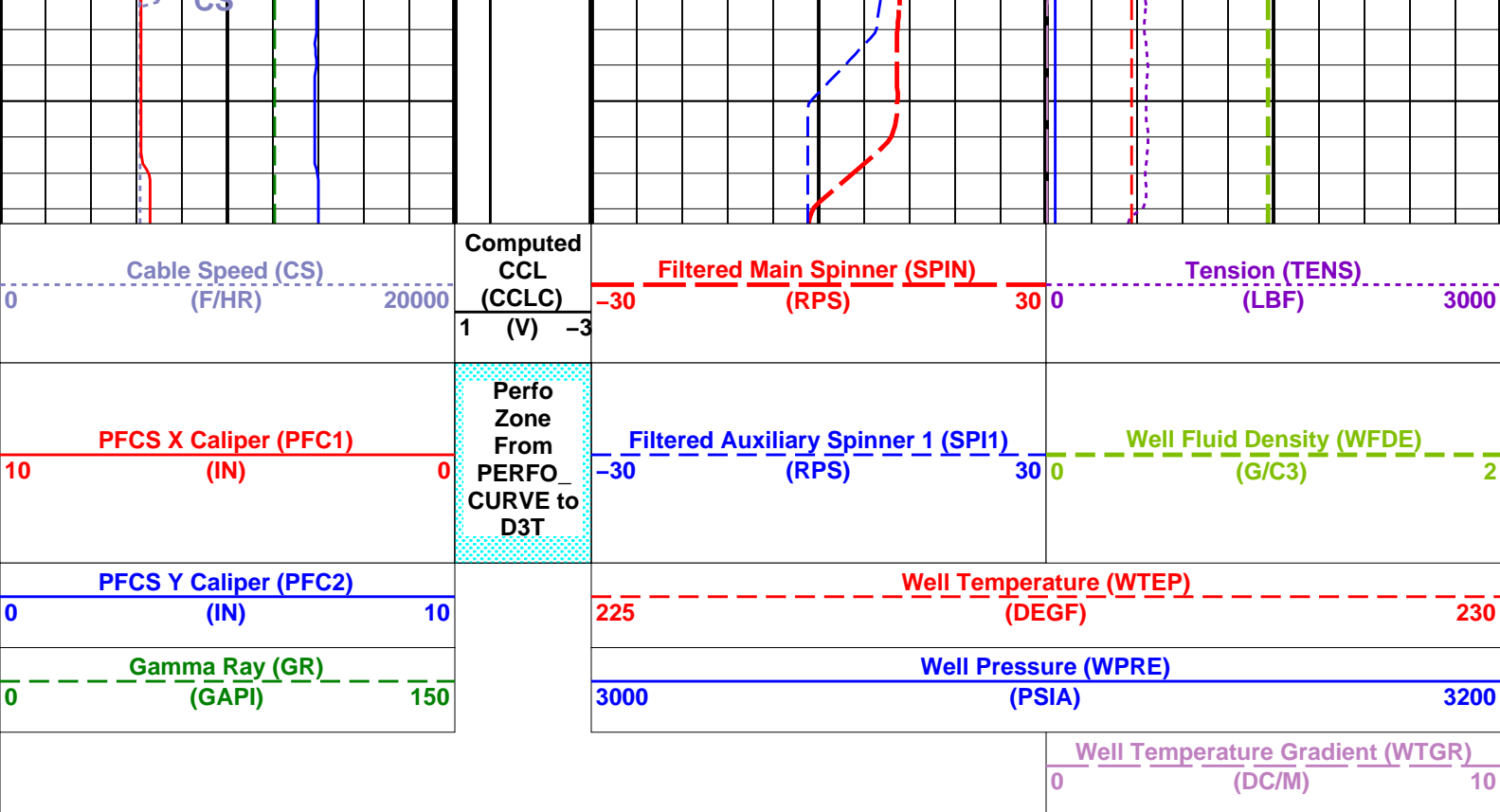
Input DLIS Files						
DEFAULT	Flip_DEFT_093LUP		PRODUCER	14-Jun-2006 12:50	3120.8 M	3070.7 M
Output DLIS Files						
DEFAULT	DEFT_101PUP	FN:109	PRODUCER	14-Jun-2006 13:29	3118.4 M	3060.5 M
CUSTOMER	DEFT_101PUC	FN:110	CUSTOMER	14-Jun-2006 13:29	3118.4 M	3060.5 M

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

PIP SUMMARY						
<div>Time Mark Every 60 S</div>						
			Well Temperature Gradient (WTGR)			
			0 (DC/M) 10			
<div>Gamma Ray (GR) (GAPI)</div> <div>0 150</div>			Well Pressure (WPRE)			
			3000 (PSIA) 3200			
<div>PFCS Y Caliper (PFC2) (IN)</div> <div>0 10</div>			Well Temperature (WTEP)			
			225 (DEGF) 230			
<div>PFCS X Caliper (PFC1) (IN)</div> <div>10 0</div>		<div>Perfo Zone From PERFO_CURVE to D3T</div>	<div>Filtered Auxiliary Spinner 1 (SP11) (RPS)</div> <div>-30 30</div>	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: 14-Jun-2006 13:29

OP System Version: 14C0-302

MCM

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

Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-2.4 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	Flip_DEFT_093LUP	PRODUCER	14-Jun-2006 12:50	3120.8 M	3070.7 M
---------	------------------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	DEFT_101PUP	FN:109	PRODUCER	14-Jun-2006 13:29
CUSTOMER	DEFT_101PUC	FN:110	CUSTOMER	14-Jun-2006 13:29

## Input DLIS Files

DEFAULT	Flip_DEFT_093LUP	PRODUCER	14-Jun-2006 12:50	3120.8 M	3070.7 M
---------	------------------	----------	-------------------	----------	----------

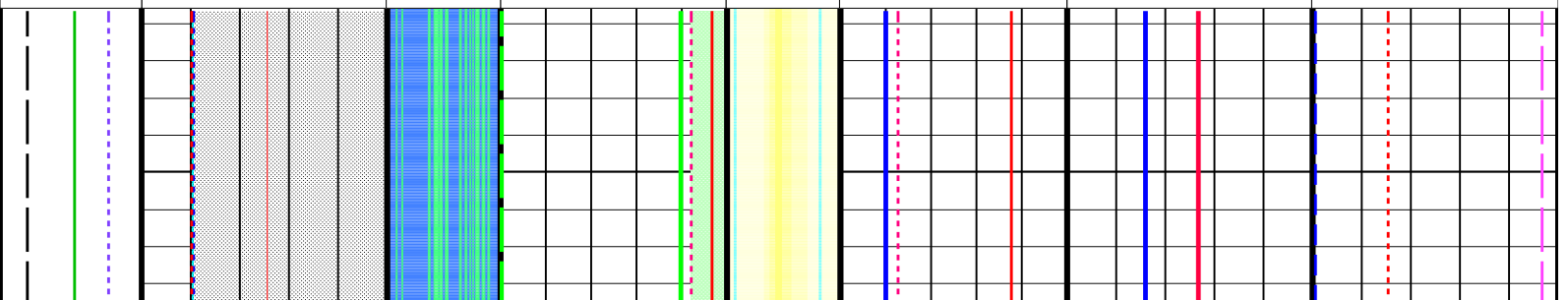
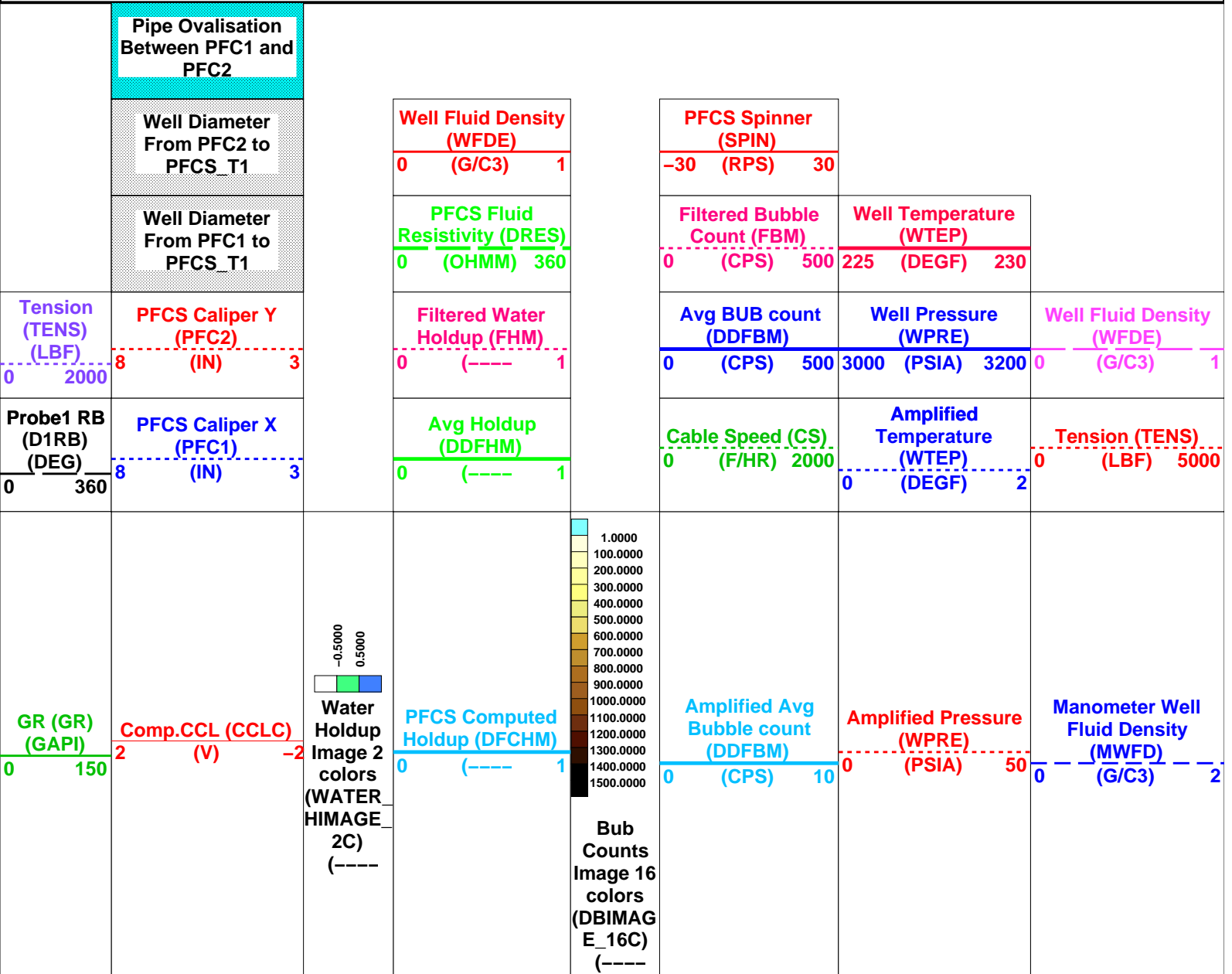
## Output DLIS Files

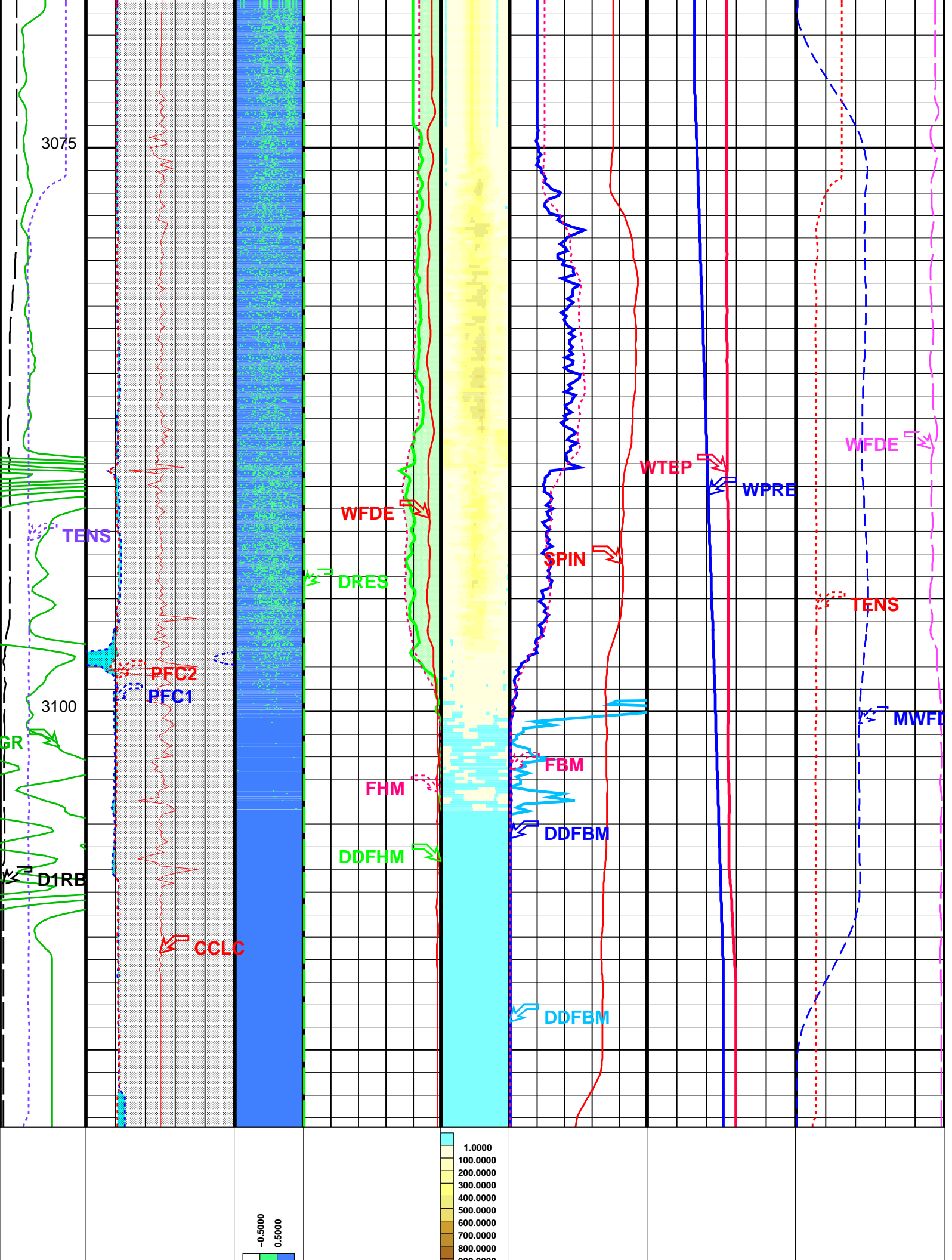
DEFAULT	DEFT_101PUP	FN:109	PRODUCER	14-Jun-2006 13:29	3118.4 M
CUSTOMER	DEFT_101PUC	FN:110	CUSTOMER	14-Jun-2006 13:29	3118.4 M

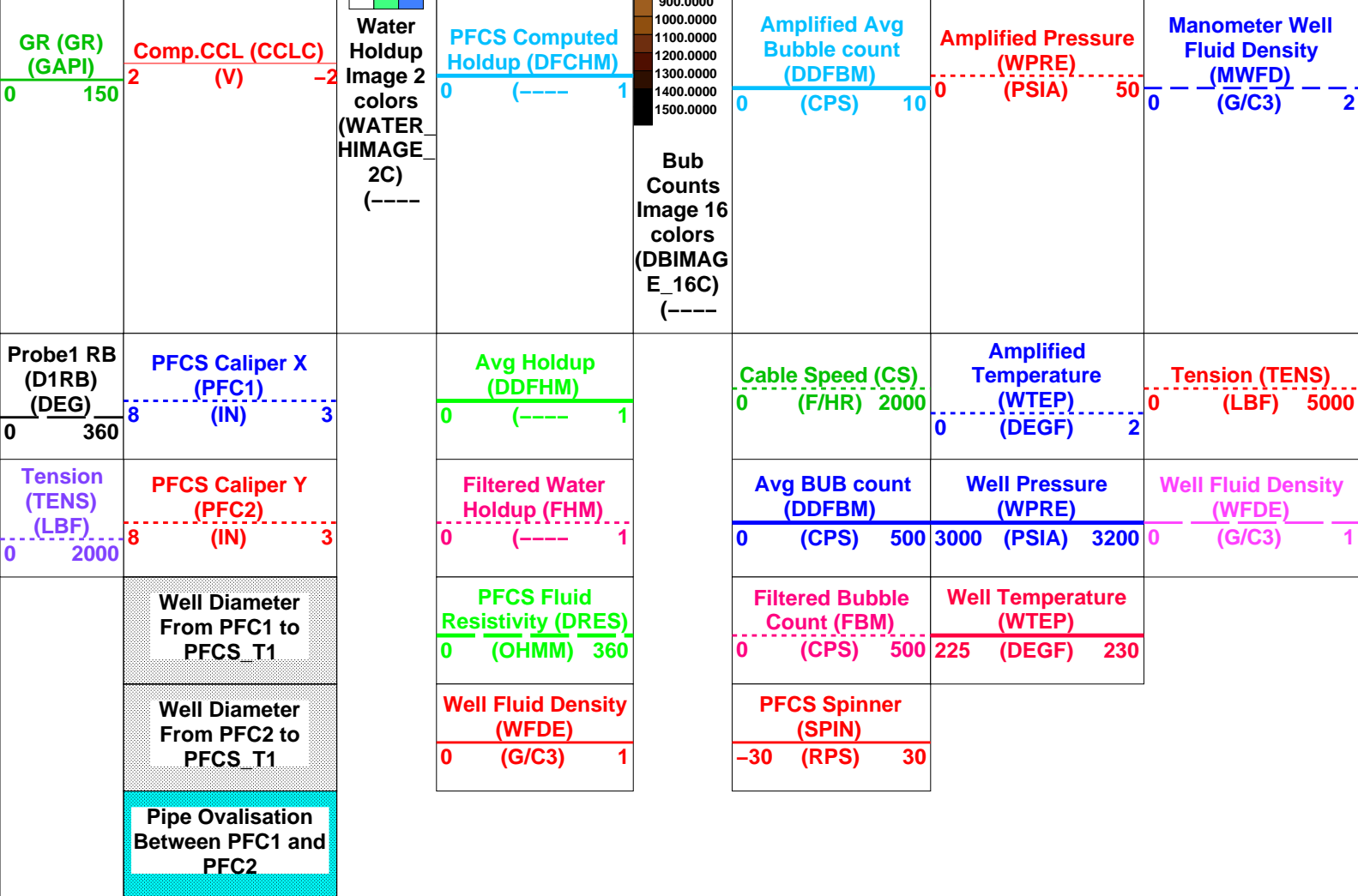
## OP System Version: 14C0-302

MCM

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







Format: PFCS\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 14-Jun-2006 13:29

OP System Version: 14C0-302  
MCM

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

Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP2	Probes Arm Position (2nd tool)	D	

PFGC	PILS-A: PSP In Line Spinner Flowmeter	PFCS Geometrical coefficient	1200	
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	6	
SDCF	Spinner Depth Constant Filter			
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5		
	PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN	
GCPG	Gradio Surf.Cal Diff.Pres Gain	1		
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA	
PDSH	Gradio Correction Density Shift	0	G/C3	
	PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG	
	BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN	
	System and Miscellaneous			
CSIZ	Current Casing Size	7.625	IN	
DO	Depth Offset for Playback	-2.4	M	
PP	Playback Processing	NORMAL		

Input DLIS Files

DEFAULT	Flip_DEFT_093LUP	PRODUCER	14-Jun-2006 12:50	3120.8 M	3070.7 M
---------	------------------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	DEFT_101PUP	FN:109	PRODUCER	14-Jun-2006 13:29	
CUSTOMER	DEFT_101PUC	FN:110	CUSTOMER	14-Jun-2006 13:29	

Input DLIS Files

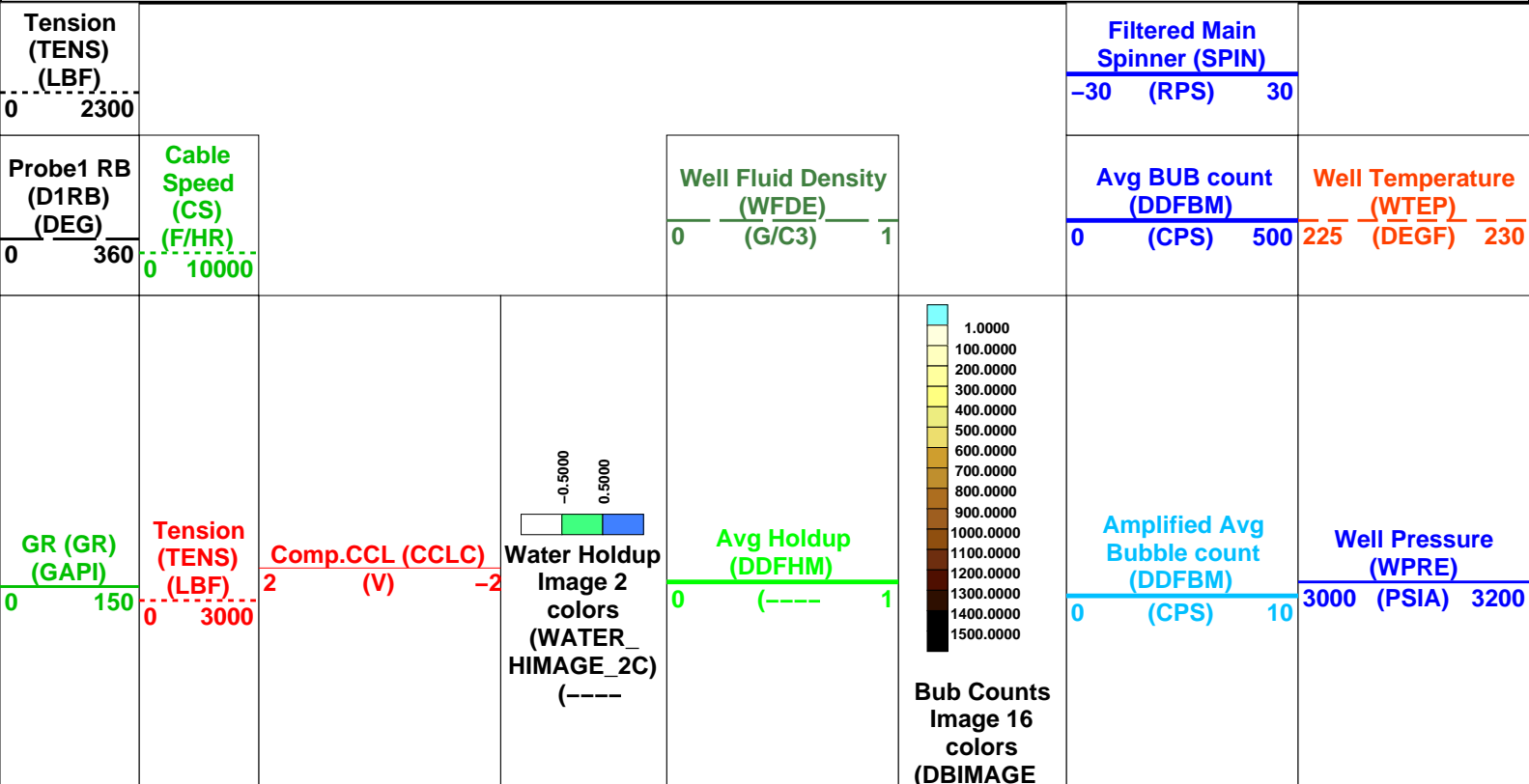
DEFAULT	Flip_DEFT_093LUP	PRODUCER	14-Jun-2006 12:50	3120.8 M	3070.7 M
---------	------------------	----------	-------------------	----------	----------

Output DLIS Files

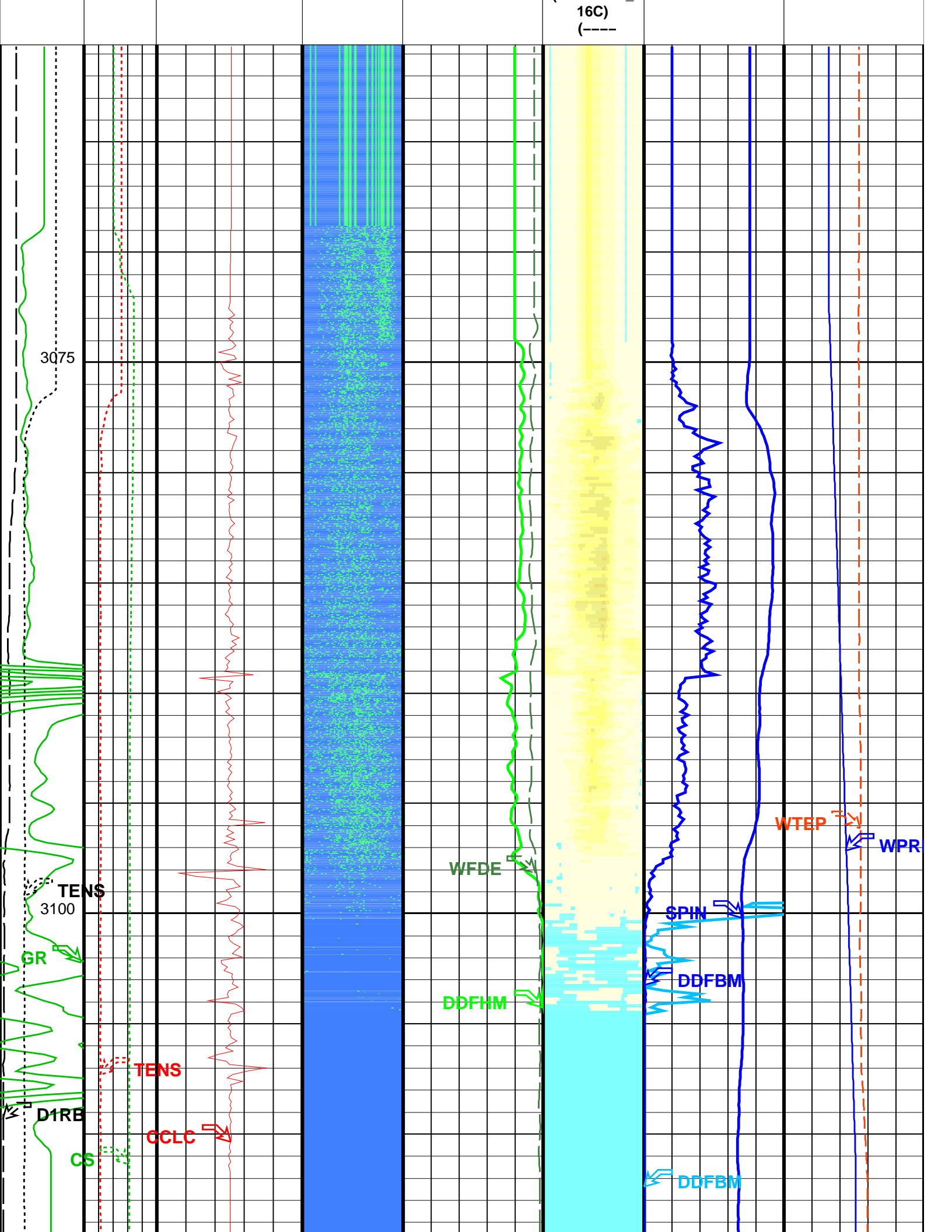
DEFAULT	DEFT_101PUP	FN:109	PRODUCER	14-Jun-2006 13:29	3118.4 M	3060.5 M
CUSTOMER	DEFT_101PUC	FN:110	CUSTOMER	14-Jun-2006 13:29	3118.4 M	3060.5 M

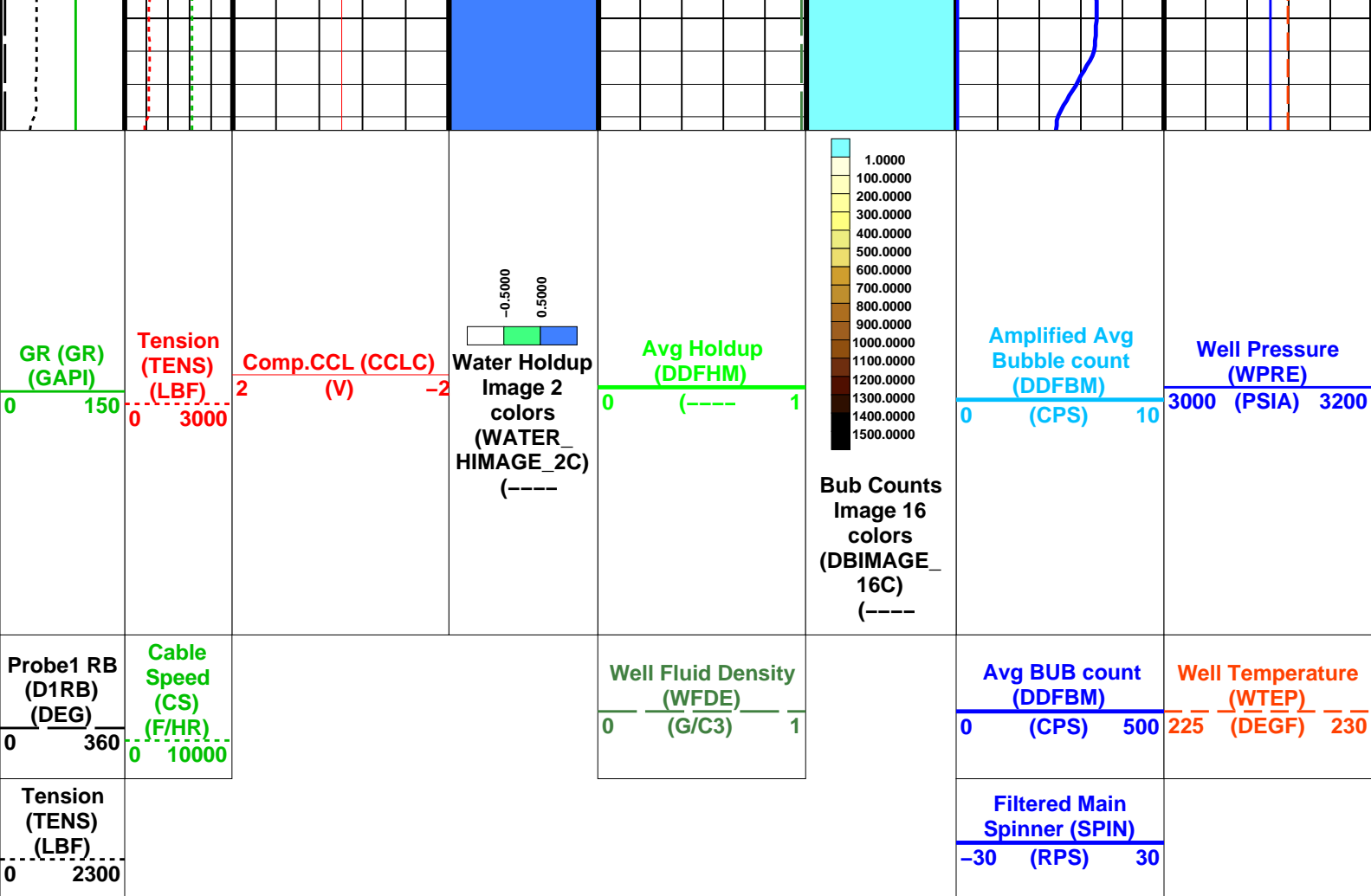
OP System Version: 14C0-302  
MCM

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









Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 14-Jun-2006 13:29

## OP System Version: 14C0-302

MCM


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

### Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPCG	Gradio Surf Cal Diff Pres Gain	1

GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B:	Production Services Logging Platform		
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN:	BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
DO	Depth Offset for Playback	-2.4	M
PP	Playback Processing	NORMAL	

Input DLIS Files					
DEFAULT	Flip_DEFT_093LUP	PRODUCER	14-Jun-2006 12:50	3120.8 M	3070.7 M
Output DLIS Files					
DEFAULT	DEFT_101PUP	FN:109	PRODUCER	14-Jun-2006 13:29	
CUSTOMER	DEFT_101PUC	FN:110	CUSTOMER	14-Jun-2006 13:29	




Flowing Pass

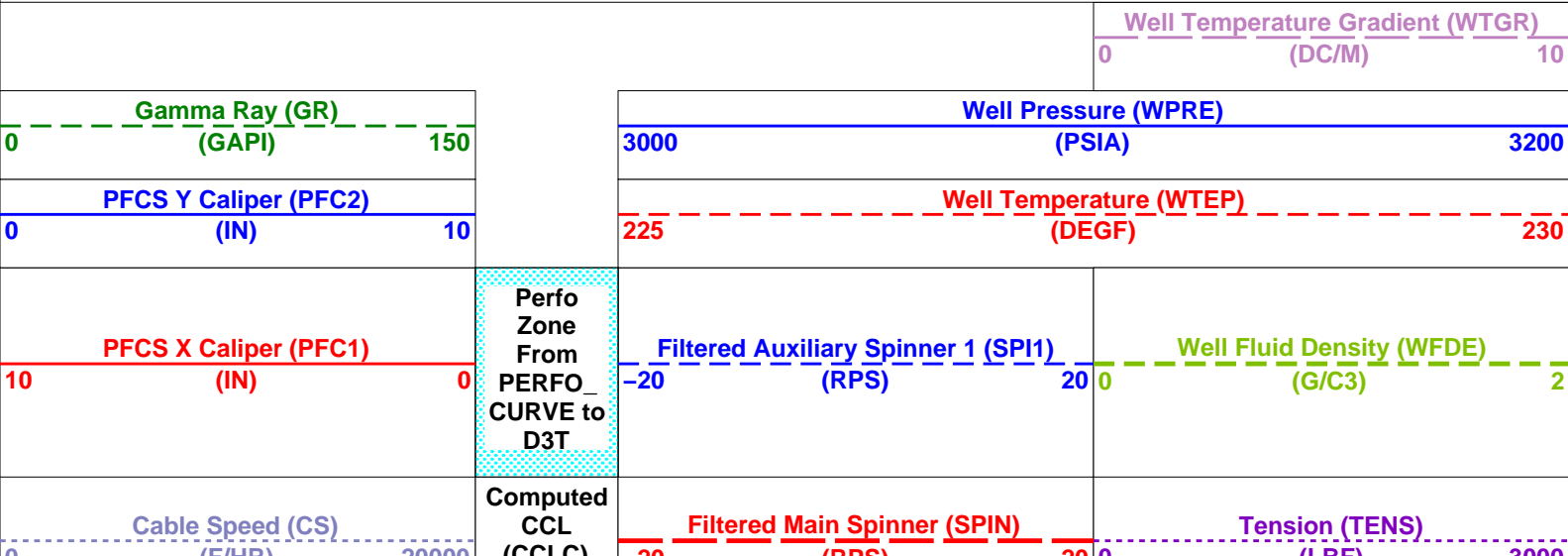
Up @ 20m / min

MAXIS Field Log

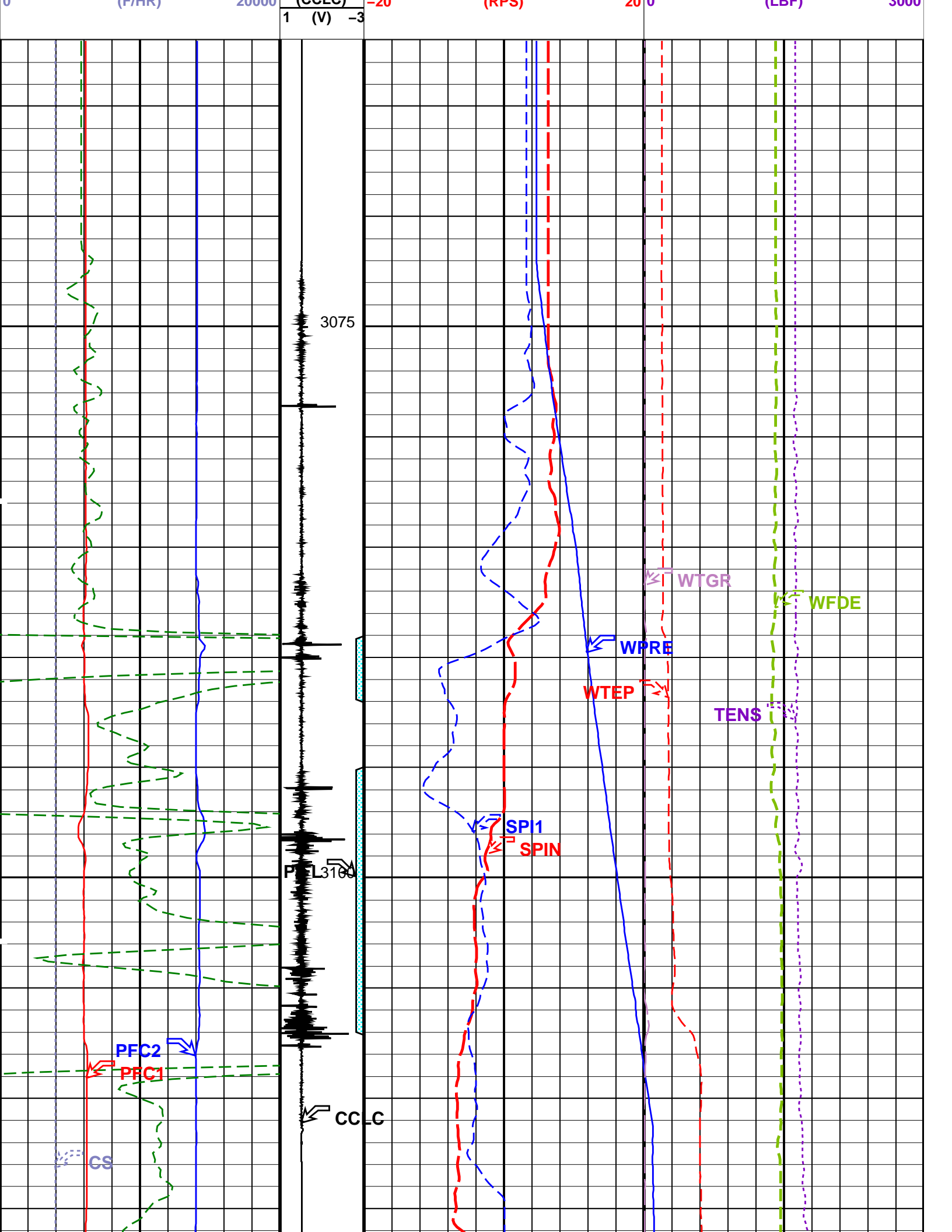
Input DLIS Files					
DEFAULT	DEFT_089LUP	FN:93	PRODUCER	14-Jun-2006 12:00	3122.4 M 3069.5 M
Output DLIS Files					
DEFAULT	DEFT_109PUP	FN:125	PRODUCER	14-Jun-2006 13:59	3122.5 M 3061.9 M
CUSTOMER	DEFT_109PUC	FN:126	CUSTOMER	14-Jun-2006 13:59	3122.5 M 3061.9 M

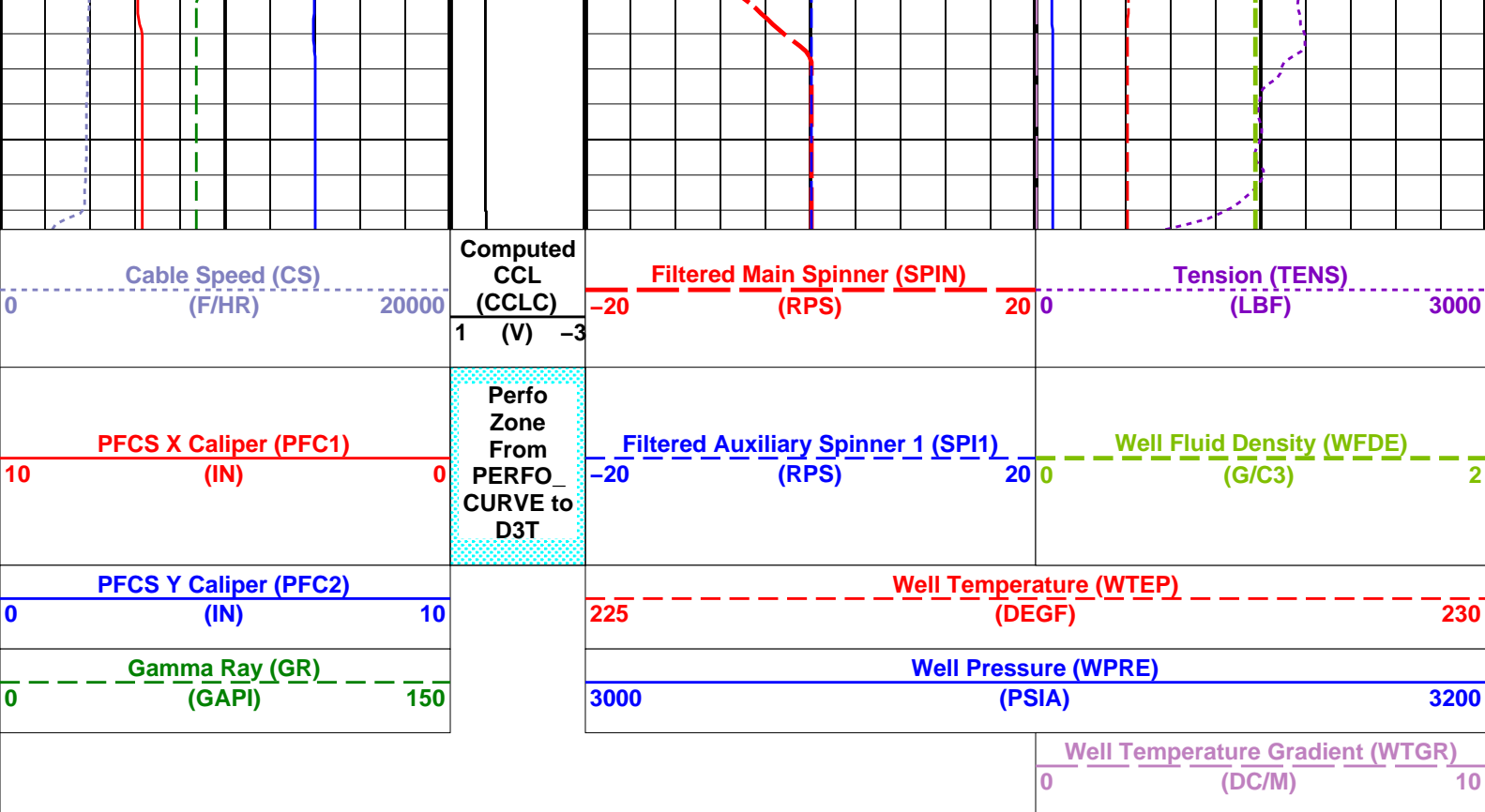
OP System Version: 14C0-302					
MCM					
PFCS-A	14C0-302	DEFT-C2	14C0-302		
PILS-A	14C0-302	PGMC-A/B	14C0-302		
PSPT-A/B	14C0-302				

PIP SUMMARY	
	Time Mark Every 60 S









PIP SUMMARY

Time Mark Every 60 S  
Format: PSP\_1 Vertical Scale: 1:200 Graphics File Created: 14-Jun-2006 13:59

OP System Version: 14C0-302  
MCM

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

Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	0.1 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	DEFT_089LUP	FN:93	PRODUCER	14-Jun-2006 12:00	3122.4 M	3069.5 M
---------	-------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	DEFT_109PUP	FN:125	PRODUCER	14-Jun-2006 13:59		
CUSTOMER	DEFT_109PUC	FN:126	CUSTOMER	14-Jun-2006 13:59		

## Input DLIS Files

DEFAULT	DEFT_089LUP	FN:93	PRODUCER	14-Jun-2006 12:00	3122.4 M	3069.5 M
---------	-------------	-------	----------	-------------------	----------	----------

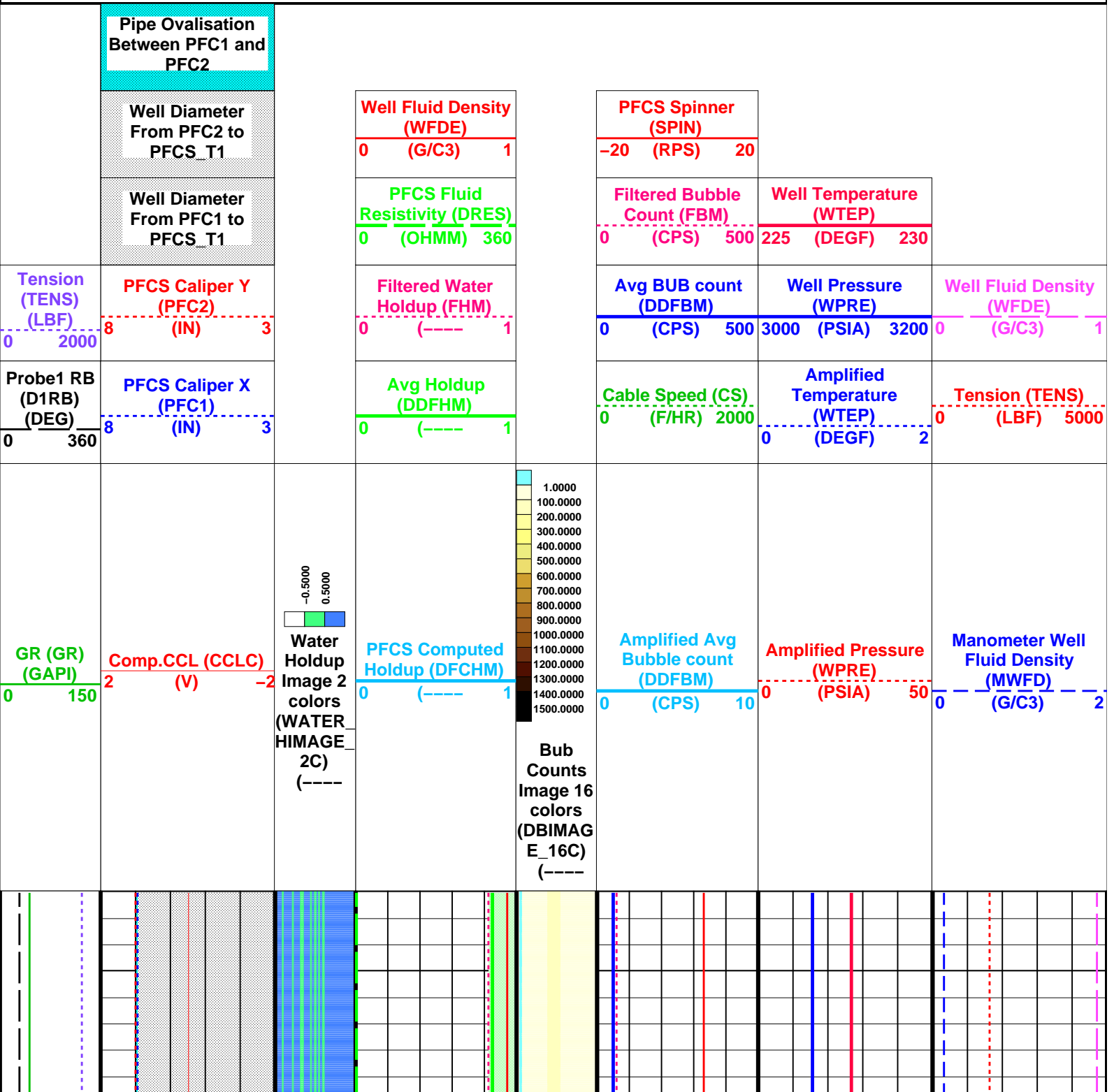
## Output DLIS Files

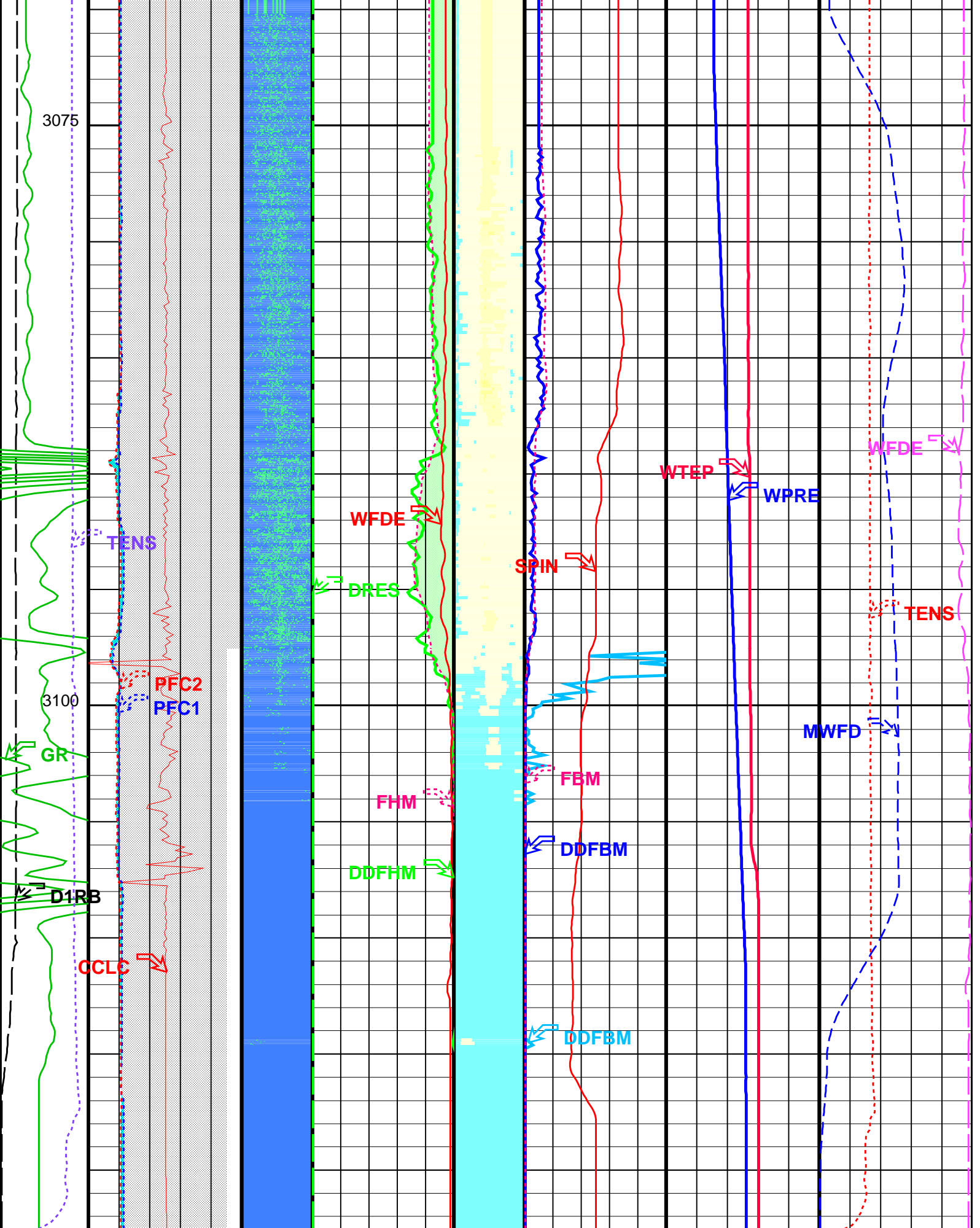
DEFAULT	DEFT_109PUP	FN:125	PRODUCER	14-Jun-2006 13:59	3122.5 M	3061.9 M
CUSTOMER	DEFT_109PUC	FN:126	CUSTOMER	14-Jun-2006 13:59	3122.5 M	3061.9 M

## OP System Version: 14C0-302

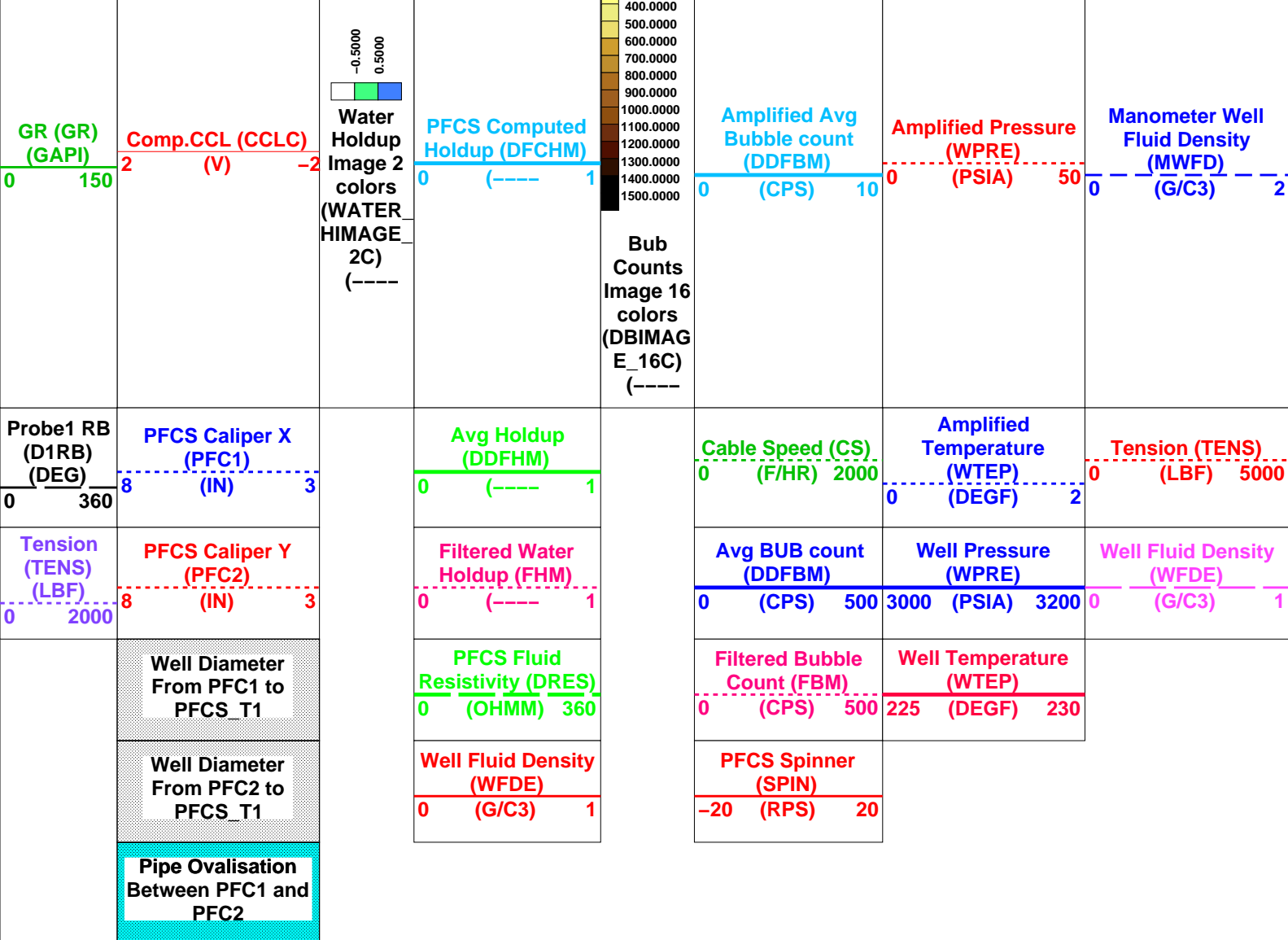
MCM

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





1.0000  
100.0000  
200.0000  
300.0000



Format: PFCS\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 14-Jun-2006 13:59

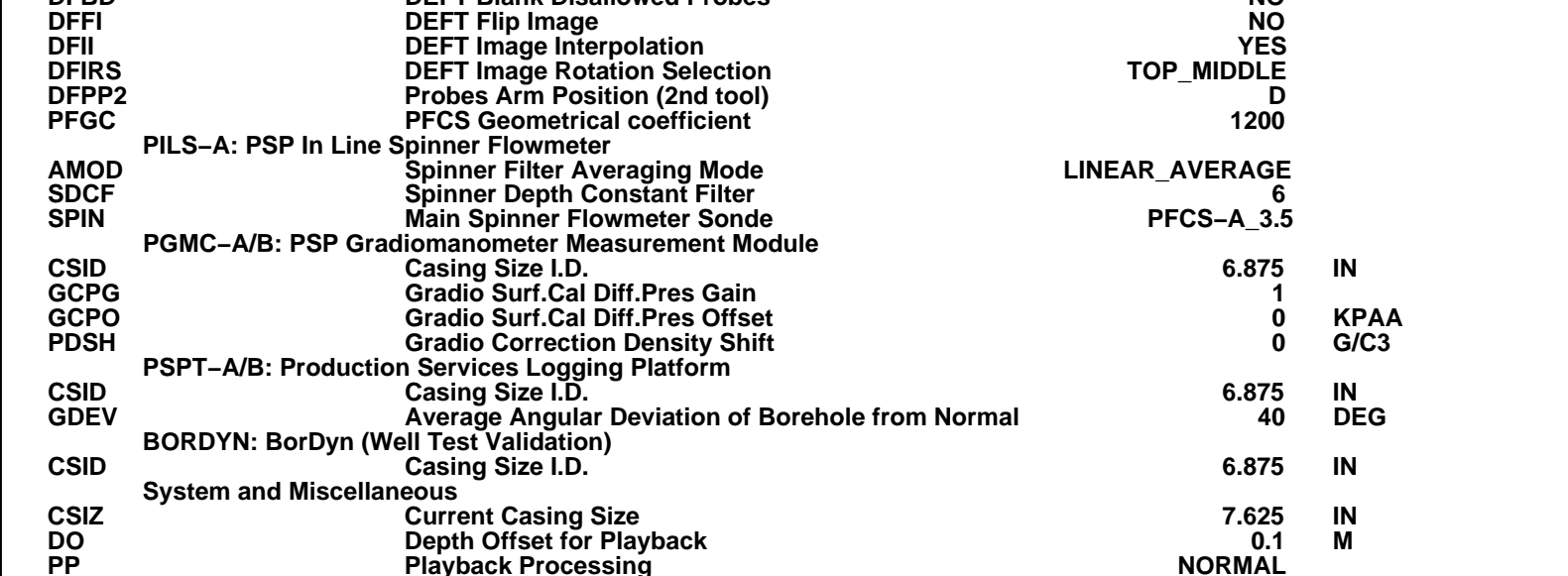
## OP System Version: 14C0-302

MCM

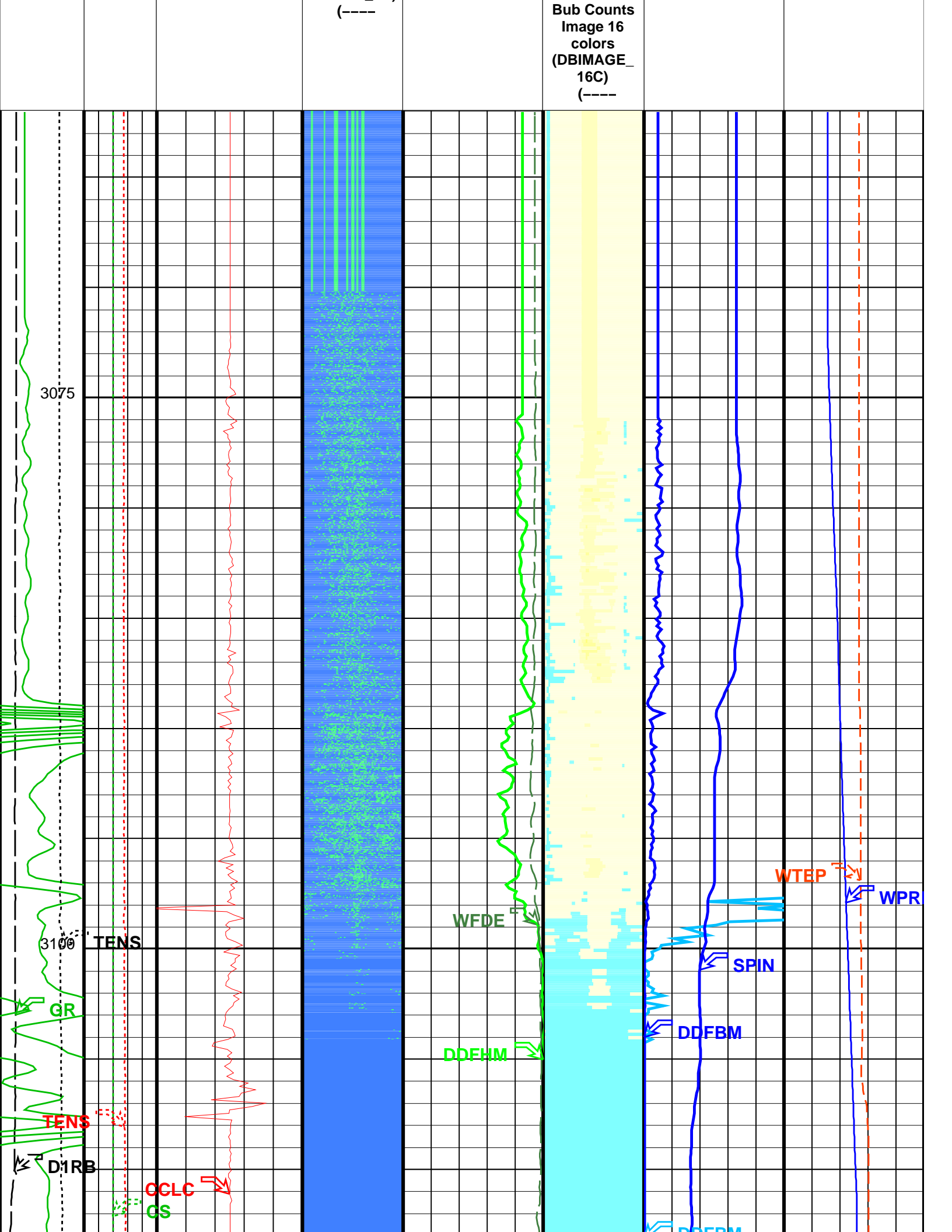
PFCS-A	14C0-302	DEFT-C2	14C0-302
PILS-A	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

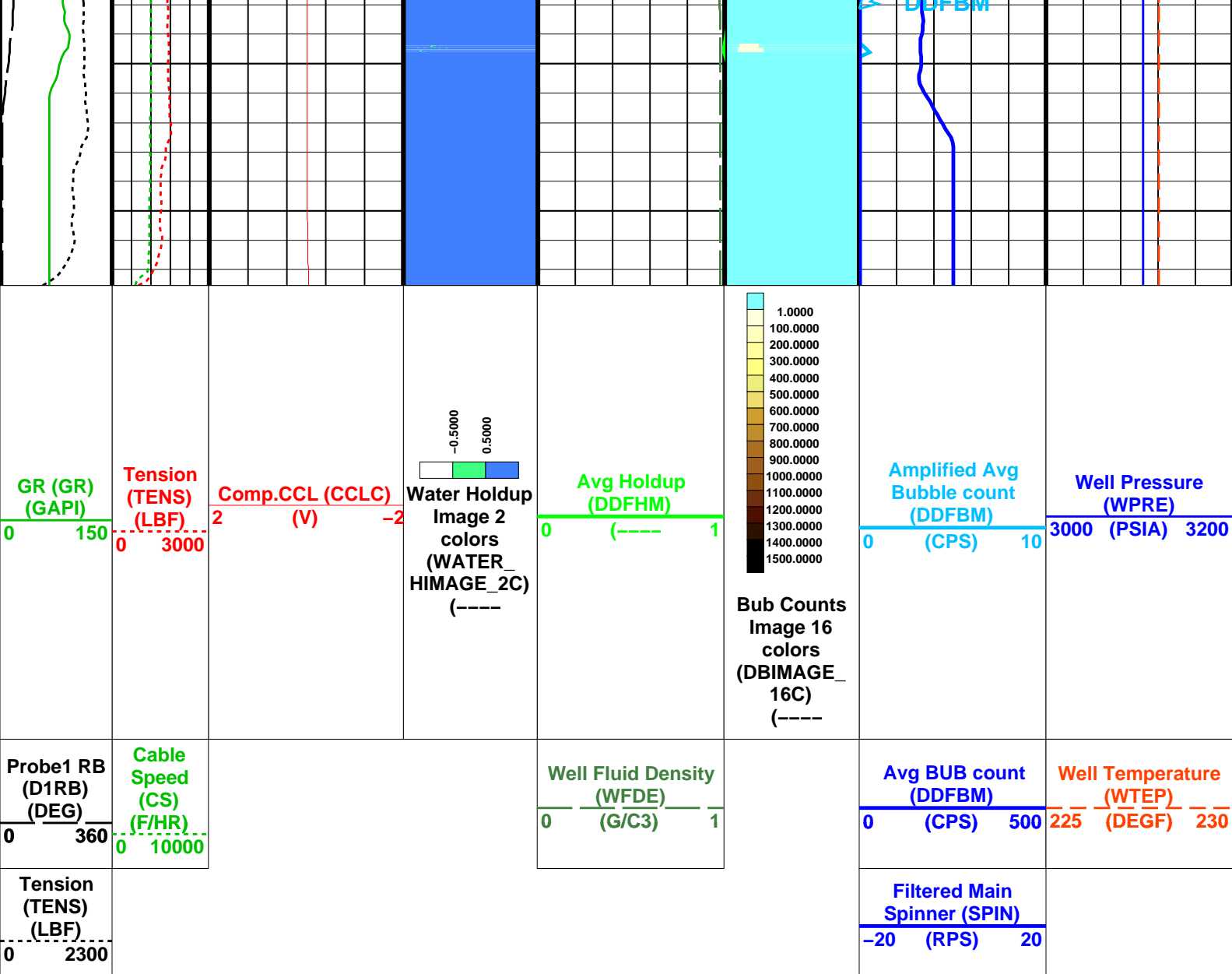
## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
PFGC	PFCS Geometrical coefficient	1200
PFRE1	Downhole Resistor Probe 1	3000 OHMS
PFRE2	Downhole Resistor Probe 2	3000 OHMS
PFRE3	Downhole Resistor Probe 3	3000 OHMS
PFRE4	Downhole Resistor Probe 4	3000 OHMS
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO









Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 14-Jun-2006 13:59

## OP System Version: 14C0-302

MCM

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


## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO



DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
DO	Depth Offset for Playback	0.1 M
PP	Playback Processing	NORMAL

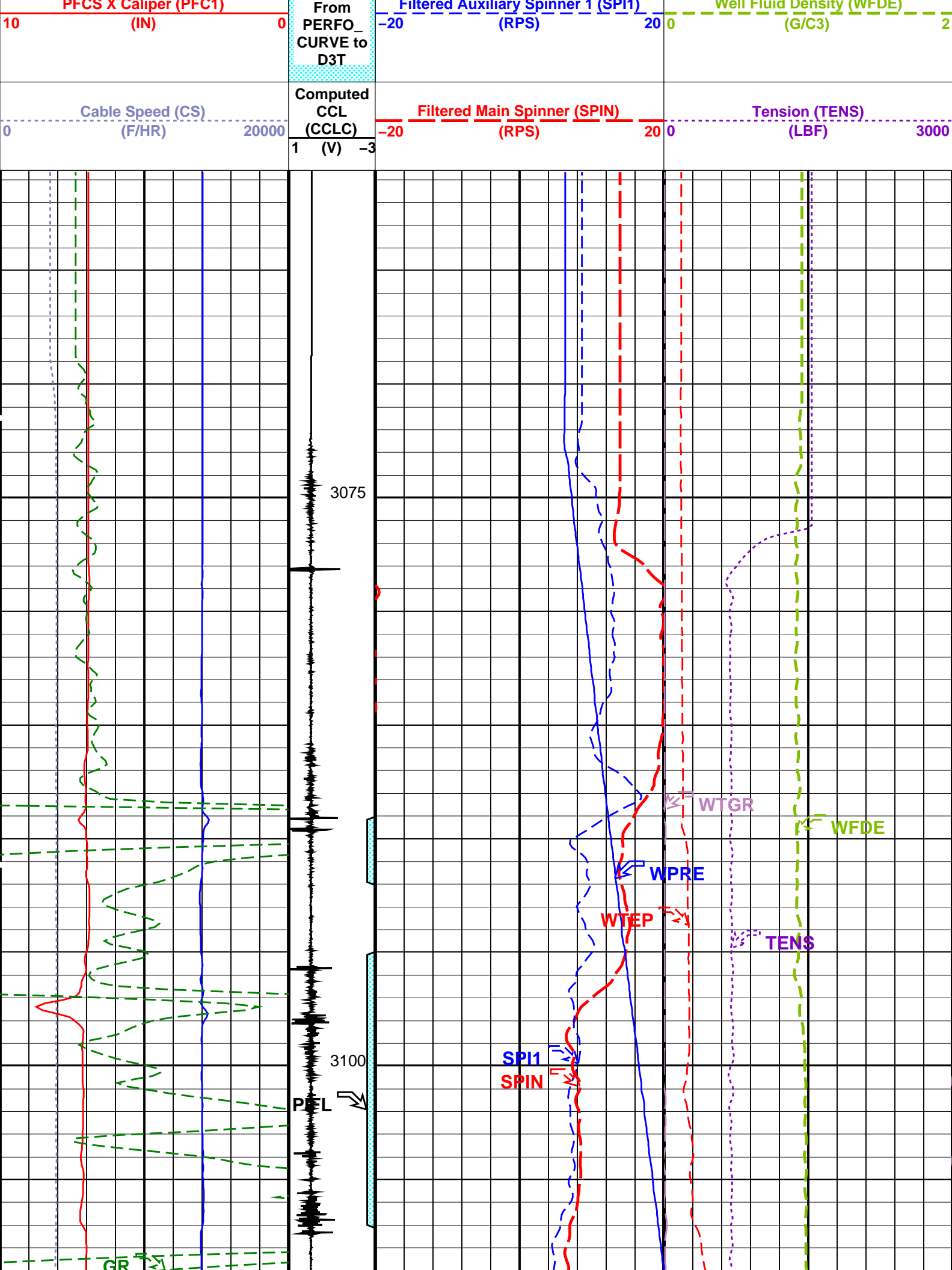
Input DLIS Files						
DEFAULT	DEFT_089LUP	FN:93	PRODUCER	14-Jun-2006 12:00	3122.4 M	3069.5 M
Output DLIS Files						
DEFAULT	DEFT_109PUP	FN:125	PRODUCER	14-Jun-2006 13:59		
CUSTOMER	DEFT_109PUC	FN:126	CUSTOMER	14-Jun-2006 13:59		

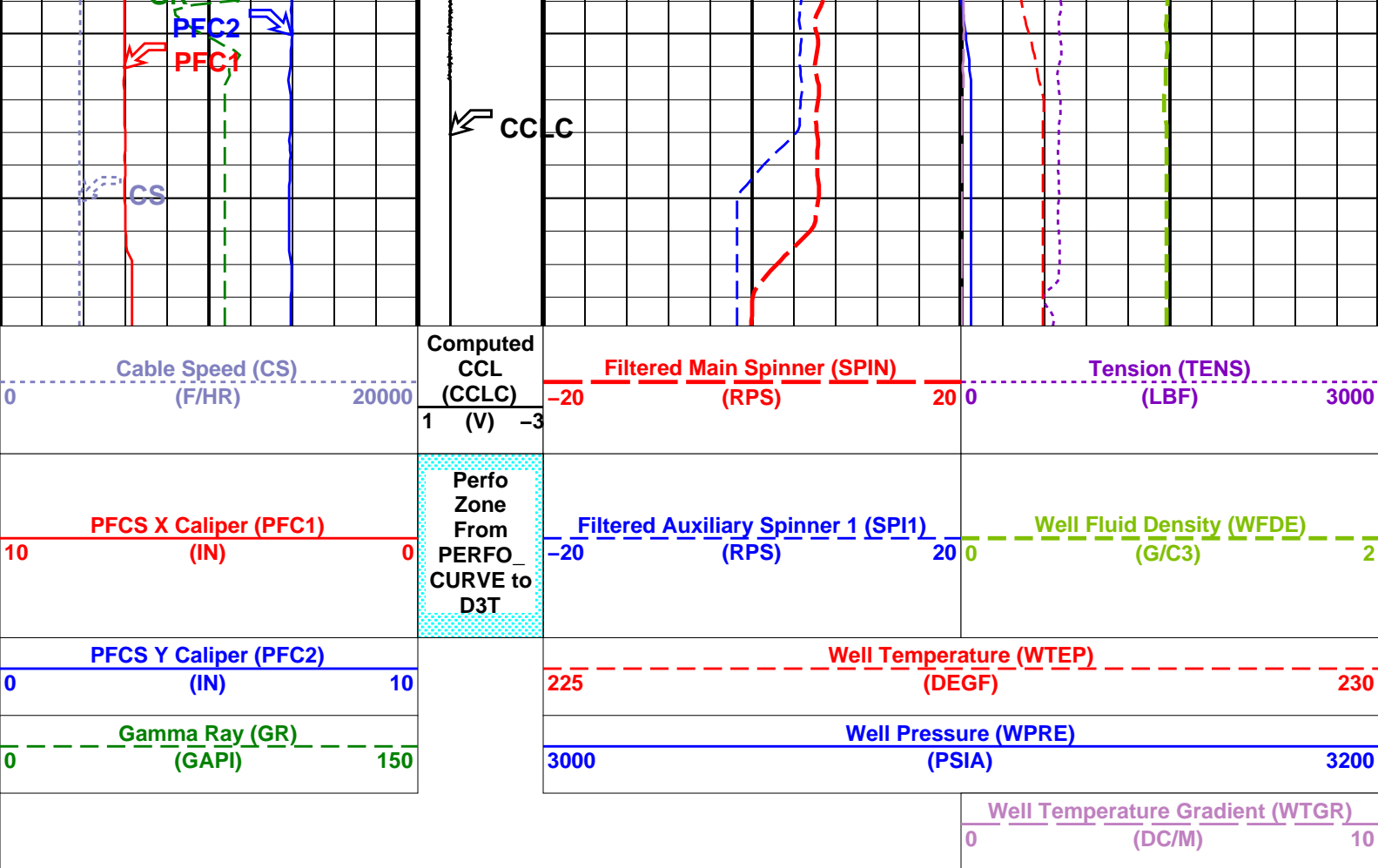
	<div>Flowing Pass Down @ 20m / min</div>
MAXIS Field Log	

Input DLIS Files						
DEFAULT	Flip_DEFT_092LUP		PRODUCER	14-Jun-2006 12:50	3121.5 M	3070.9 M
Output DLIS Files						
DEFAULT	DEFT_097PUP	FN:101	PRODUCER	14-Jun-2006 13:16	3118.9 M	3060.5 M
CUSTOMER	DEFT_097PUC	FN:102	CUSTOMER	14-Jun-2006 13:16	3118.9 M	3060.5 M

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

PIP SUMMARY			
Time Mark Every 60 S			
		Well Temperature Gradient (WTGR)	
		0 (DC/M) 10	
Gamma Ray (GR) (GAPI)		Well Pressure (WPRES)	
0 150		3000 (PSIA) 3200	
PFCS Y Caliper (PFC2)		Well Temperature (WTEP)	
0 (IN) 10		225 (DEGF) 230	
	Perfo Zone		





Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 14-Jun-2006 13:16

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-2.6 M
PP	Playback Processing	NORMAL

## Input DLIS Files

DEFAULT	Flip_DEFT_092LUP	PRODUCER	14-Jun-2006 12:50	3121.5 M	3070.9 M
---------	------------------	----------	-------------------	----------	----------

# Output DLIS Files

DEFAULT	DEFT_097PUP	FN:101	PRODUCER	14-Jun-2006 13:16
CUSTOMER	DEFT_097PUC	FN:102	CUSTOMER	14-Jun-2006 13:16

# Input DLIS Files

DEFAULT	Flip_DEFT_092LUP	PRODUCER	14-Jun-2006 12:50	3121.5 M	3070.9 M
---------	------------------	----------	-------------------	----------	----------

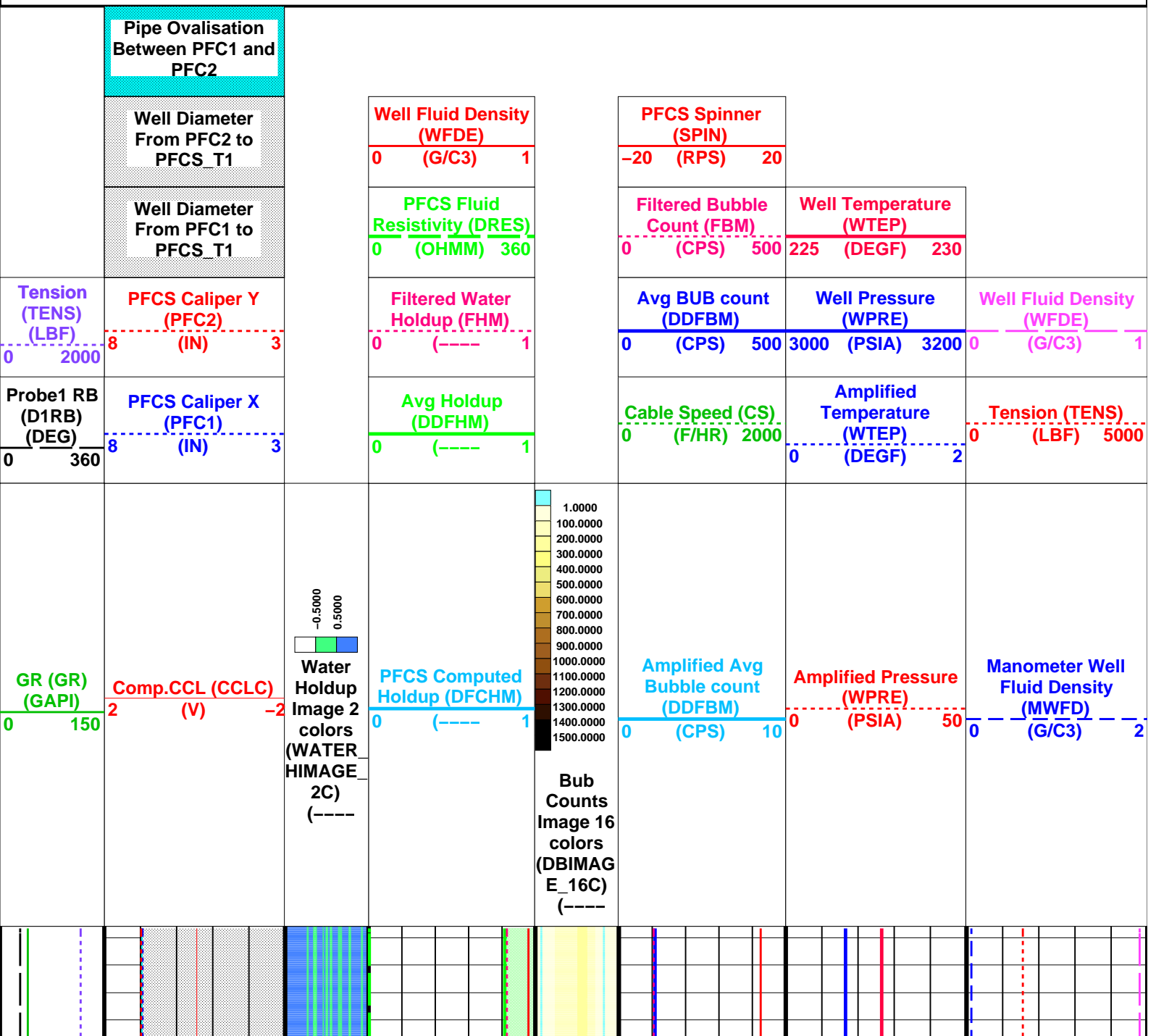
# Output DLIS Files

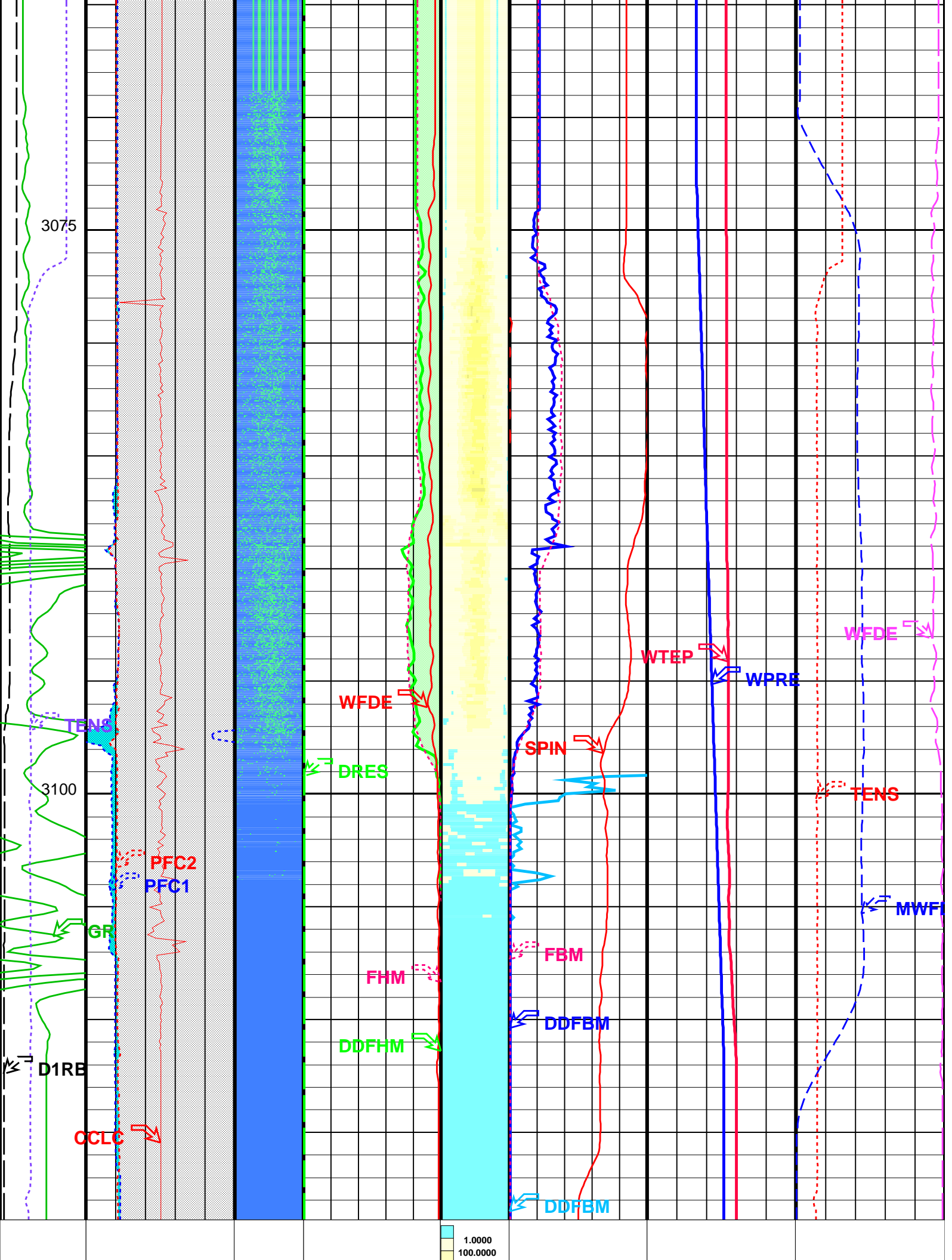
DEFAULT	DEFT_097PUP	FN:101	PRODUCER	14-Jun-2006 13:16	3118.9 M	3060.5 M
CUSTOMER	DEFT_097PUC	FN:102	CUSTOMER	14-Jun-2006 13:16	3118.9 M	3060.5 M

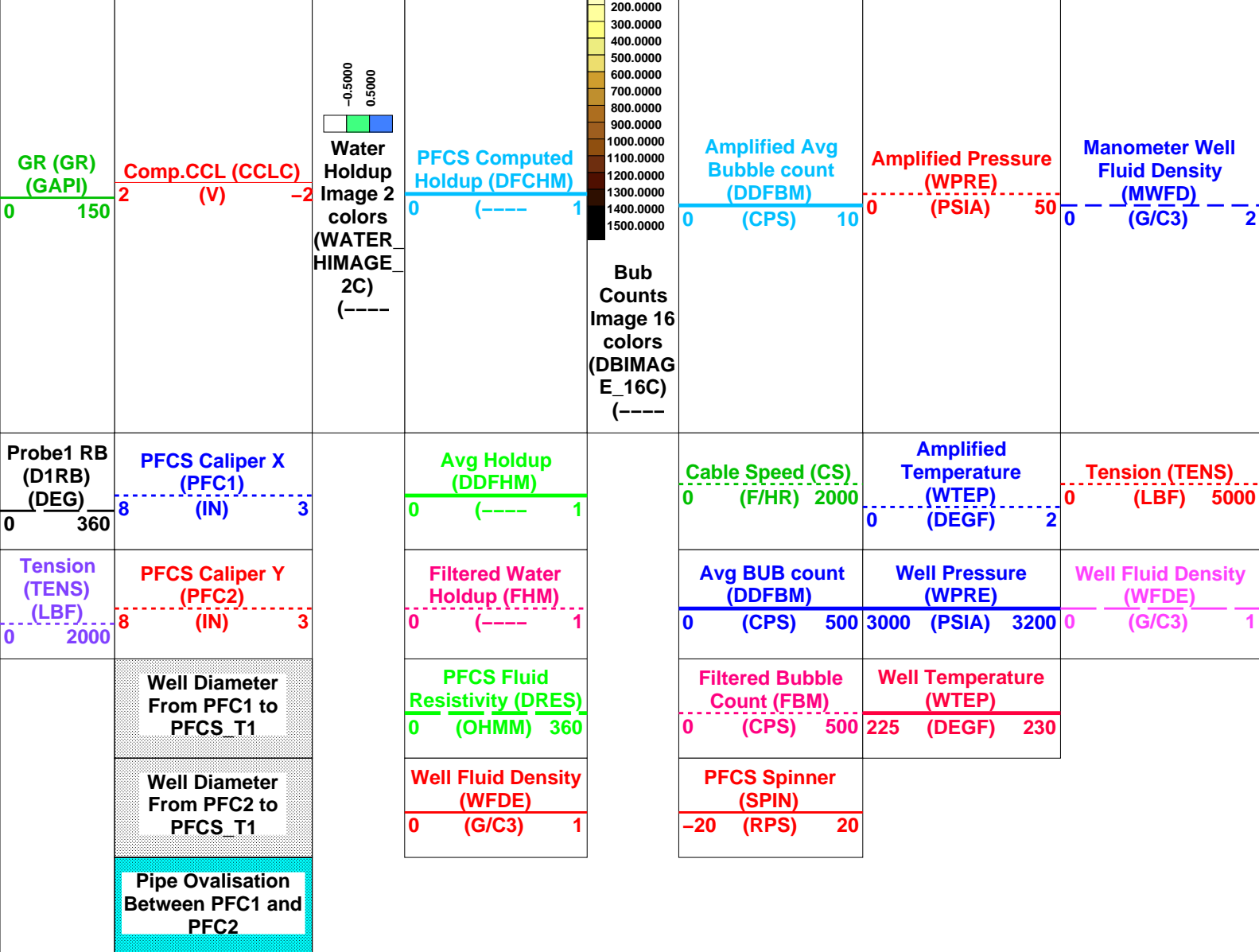
# OP System Version: 14C0-302

MCM

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







Format: PFCS\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 14-Jun-2006 13:16

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
PFGC	PFCS Geometrical coefficient	1200
PFRE1	Downhole Resistor Probe 1	3000 OHMS
PFRE2	Downhole Resistor Probe 2	3000 OHMS
PFRE3	Downhole Resistor Probe 3	3000 OHMS
PFRE4	Downhole Resistor Probe 4	3000 OHMS
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB



DDRS	Dual DEFT RB Source	D1RB	NO
DFBD	DEFT Blank Disallowed Probes		NO
DFFI	DEFT Flip Image		YES
DFII	DEFT Image Interpolation		TOP_MIDDLE
DFIRS	DEFT Image Rotation Selection		D
DFPP2	Probes Arm Position (2nd tool)		1200
PFGC	PFCS Geometrical coefficient		
PILS-A: PSP In Line	Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter		6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-2.6	M
PP	Playback Processing	NORMAL	

Input DLIS Files					
DEFAULT	Flip_DEFT_092LUP	PRODUCER	14-Jun-2006 12:50	3121.5 M	3070.9 M
Output DLIS Files					
DEFAULT	DEFT_097PUP	FN:101	PRODUCER	14-Jun-2006 13:16	
CUSTOMER	DEFT_097PUC	FN:102	CUSTOMER	14-Jun-2006 13:16	

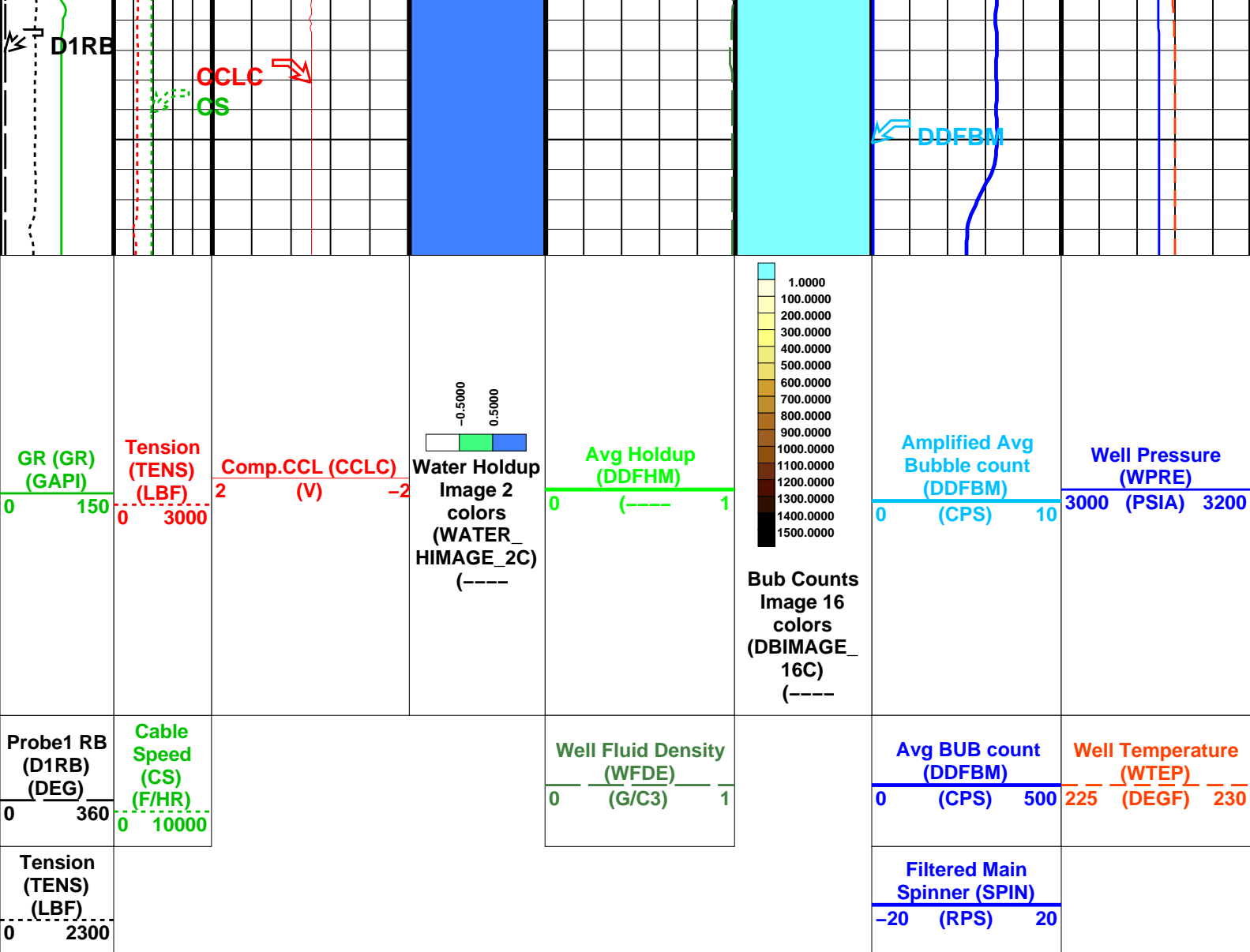
Input DLIS Files					
DEFAULT	Flip_DEFT_092LUP	PRODUCER	14-Jun-2006 12:50	3121.5 M	3070.9 M
Output DLIS Files					
DEFAULT	DEFT_097PUP	FN:101	PRODUCER	14-Jun-2006 13:16	3118.9 M
CUSTOMER	DEFT_097PUC	FN:102	CUSTOMER	14-Jun-2006 13:16	3118.9 M

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

Tension (TENS) (LBF)				Filtered Main Spinner (SPIN)	
0 2300				-20 (RPS) 20	
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)	Well Fluid Density (WFDE) (G/C3)		Avg BUB count (DDFBM) (CPS)	Well Temperature (WTEP) (DEGF)
0 360	0 10000	0 1		0 500	225 230
GR (GR) (GAPI)	Tension (TENS) (LBF)	Comp.CCL (CCLC) (V)	Water Holdup Image 2 colors (WATER) (WATER)	Avg Holdup (DDFHM) (-----)	Amplified Avg Bubble count (DDFBM) (CPS)
0 150	0 3000	2 -2	0 1	0 10	Well Pressure (WPRE) (PSIA)
					3000 3200







Format: DEFT\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 14-Jun-2006 13:16

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

Parameters		
DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDEV	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE

SPIN	PILS-A: PSP In Line Spinner Flowmeter	Spinner Flowmeter	LINEAR_AVERAGE	6	
AMOD		Spinner Filter Averaging Mode			
SDCF		Spinner Depth Constant Filter			
SPIN		Main Spinner Flowmeter Sonde	PFCs-A_3.5		
	PGMC-A/B: PSP Gradiomanometer Measurement Module				
CSID		Casing Size I.D.	6.875	IN	
GCPG		Gradio Surf.Cal Diff.Pres Gain	1		
GCPO		Gradio Surf.Cal Diff.Pres Offset	0	KPAA	
PDSH		Gradio Correction Density Shift	0	G/C3	
	PSPT-A/B: Production Services Logging Platform				
CSID		Casing Size I.D.	6.875	IN	
GDEV		Average Angular Deviation of Borehole from Normal	40	DEG	
	BORDYN: BorDyn (Well Test Validation)				
CSID		Casing Size I.D.	6.875	IN	
	System and Miscellaneous				
DO		Depth Offset for Playback	-2.6	M	
PP		Playback Processing	NORMAL		

Input DLIS Files

DEFAULT	Flip_DEFT_092LUP	PRODUCER	14-Jun-2006 12:50	3121.5 M	3070.9 M
---------	------------------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	DEFT_097PUP	FN:101	PRODUCER	14-Jun-2006 13:16	
CUSTOMER	DEFT_097PUC	FN:102	CUSTOMER	14-Jun-2006 13:16	

Schlumberger

Flowing Pass  
Up @ 10m / min

MAXIS Field Log

Input DLIS Files

DEFAULT	DEFT_085LUP	FN:85	PRODUCER	14-Jun-2006 11:41	3121.3 M	3070.7 M
---------	-------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	DEFT_100PUP	FN:107	PRODUCER	14-Jun-2006 13:24	3121.2 M	3063.0 M
CUSTOMER	DEFT_100PUC	FN:108	CUSTOMER	14-Jun-2006 13:24	3121.2 M	3062.8 M

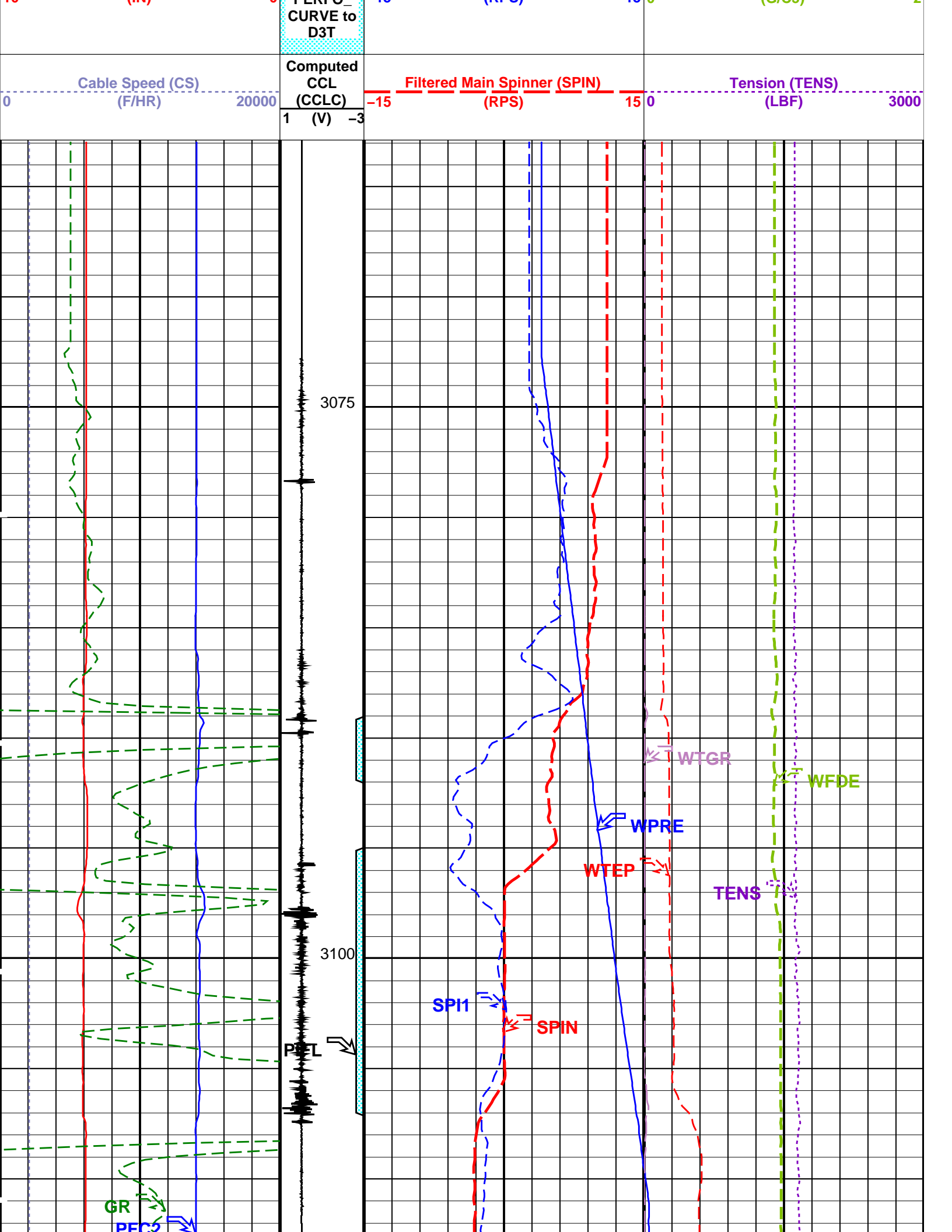
OP System Version: 14C0-302  
MCM

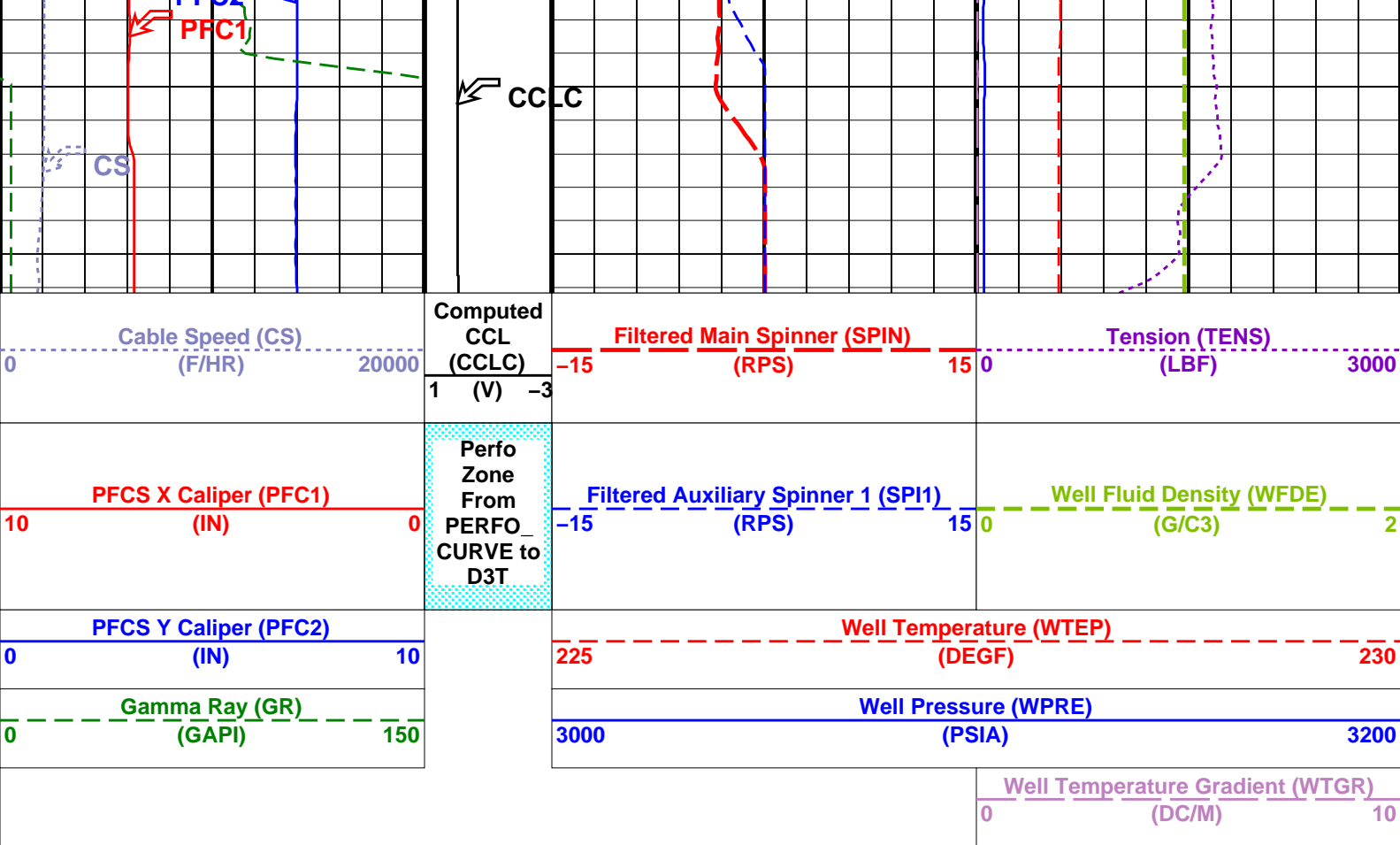
PFCs-A	14C0-302	DEFT-C2	14C0-302
PILS-A	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

PIP SUMMARY

Time Mark Every 60 S

			Well Temperature Gradient (WTGR)	
			0	10
			(DC/M)	
Gamma Ray (GR)			Well Pressure (WPRE)	
(GAPI)			(PSIA)	
0		150	3000	3200
PFCs Y Caliper (PFC2)			Well Temperature (WTEP)	
(IN)			(DEGF)	
0		10	225	230
PFCs X Caliper (PFC1)			Filtered Auxiliary Spinner 1 (SP1)	
(IN)			(RPS)	
10		0	-15	15
Well Fluid Density (WFDE)			(G/C3)	





Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200 Graphics File Created: 14-Jun-2006 13:24

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-0.2 M
PP	Playback Processing	NORMAL

## Input DLIS Files

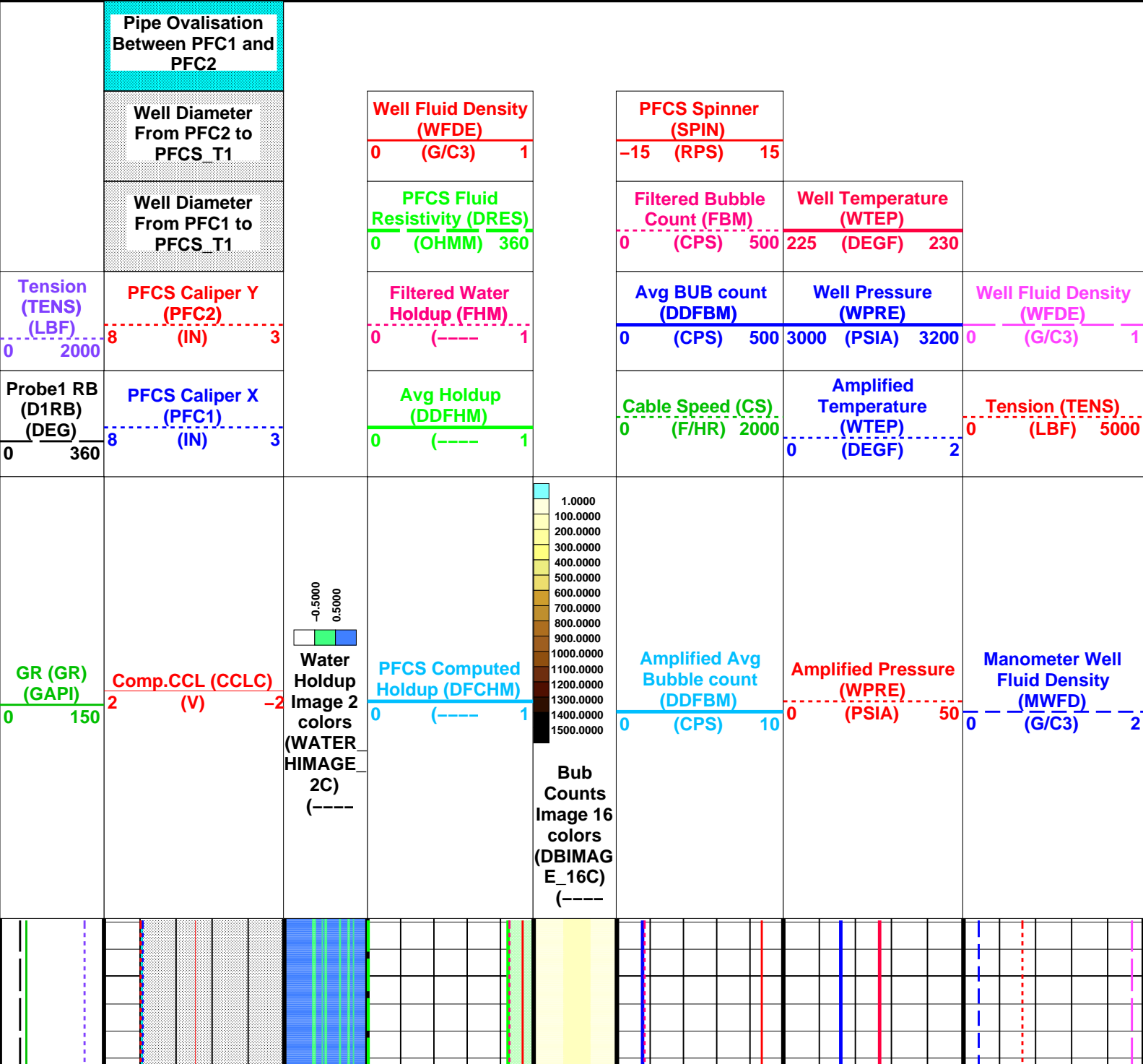
DEFAULT	DEFT_085LUP	FN:85	PRODUCER	14-Jun-2006 11:41	3121.3 M	3070.7 M
---------	-------------	-------	----------	-------------------	----------	----------

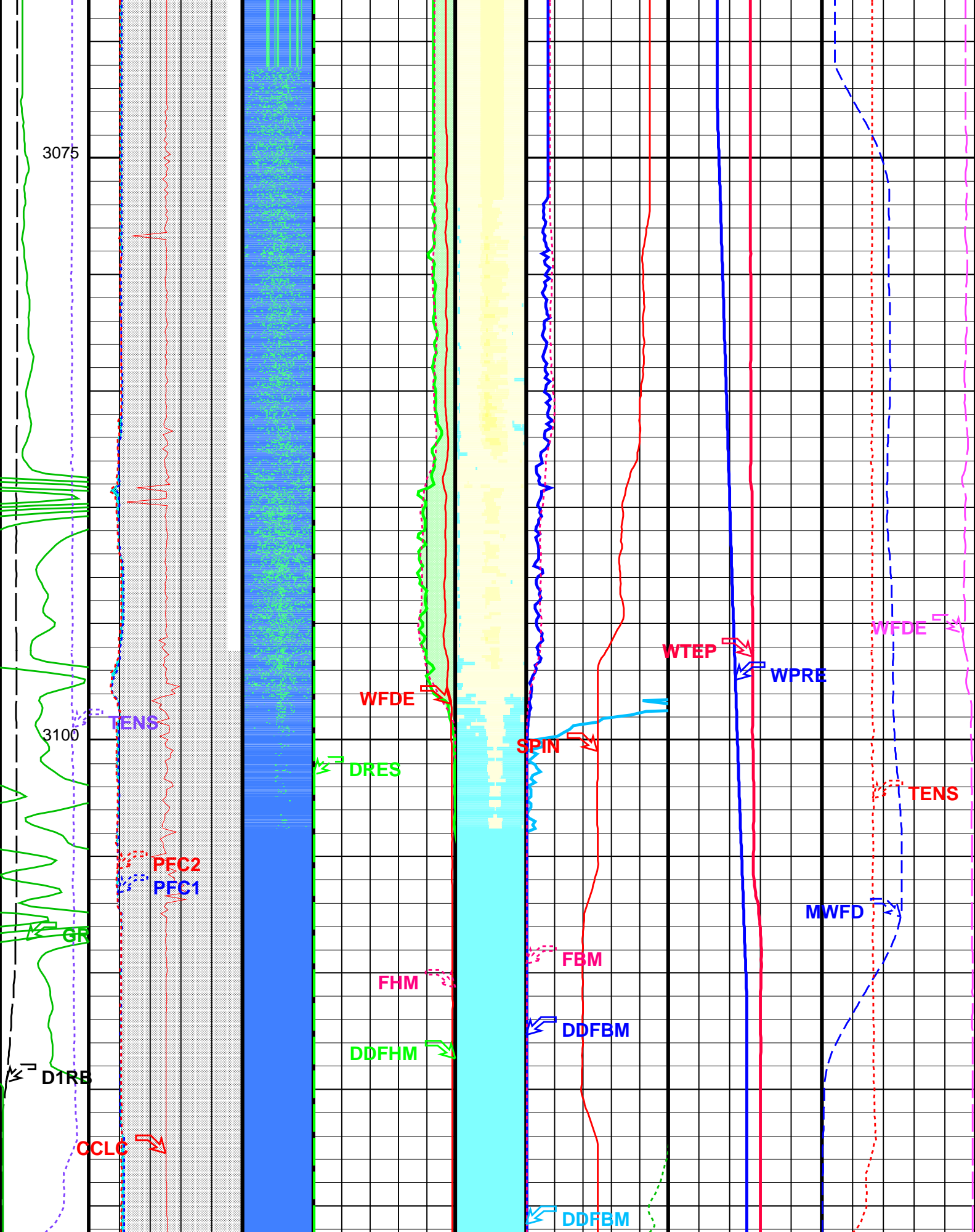
## Output DLIS Files

DEFAULT	DEFT_100PUP	FN:107	PRODUCER	14-Jun-2006 13:24
CUSTOMER	DEFT_100PUC	FN:108	CUSTOMER	14-Jun-2006 13:24

Input DLIS Files					
DEFAULT	DEFT_085LUP	FN:85	PRODUCER	14-Jun-2006 11:41	3121.3 M 3070.7 M
Output DLIS Files					
DEFAULT	DEFT_100PUP	FN:107	PRODUCER	14-Jun-2006 13:24	3121.2 M 3062.8 M
CUSTOMER	DEFT_100PUC	FN:108	CUSTOMER	14-Jun-2006 13:24	3121.2 M 3062.8 M

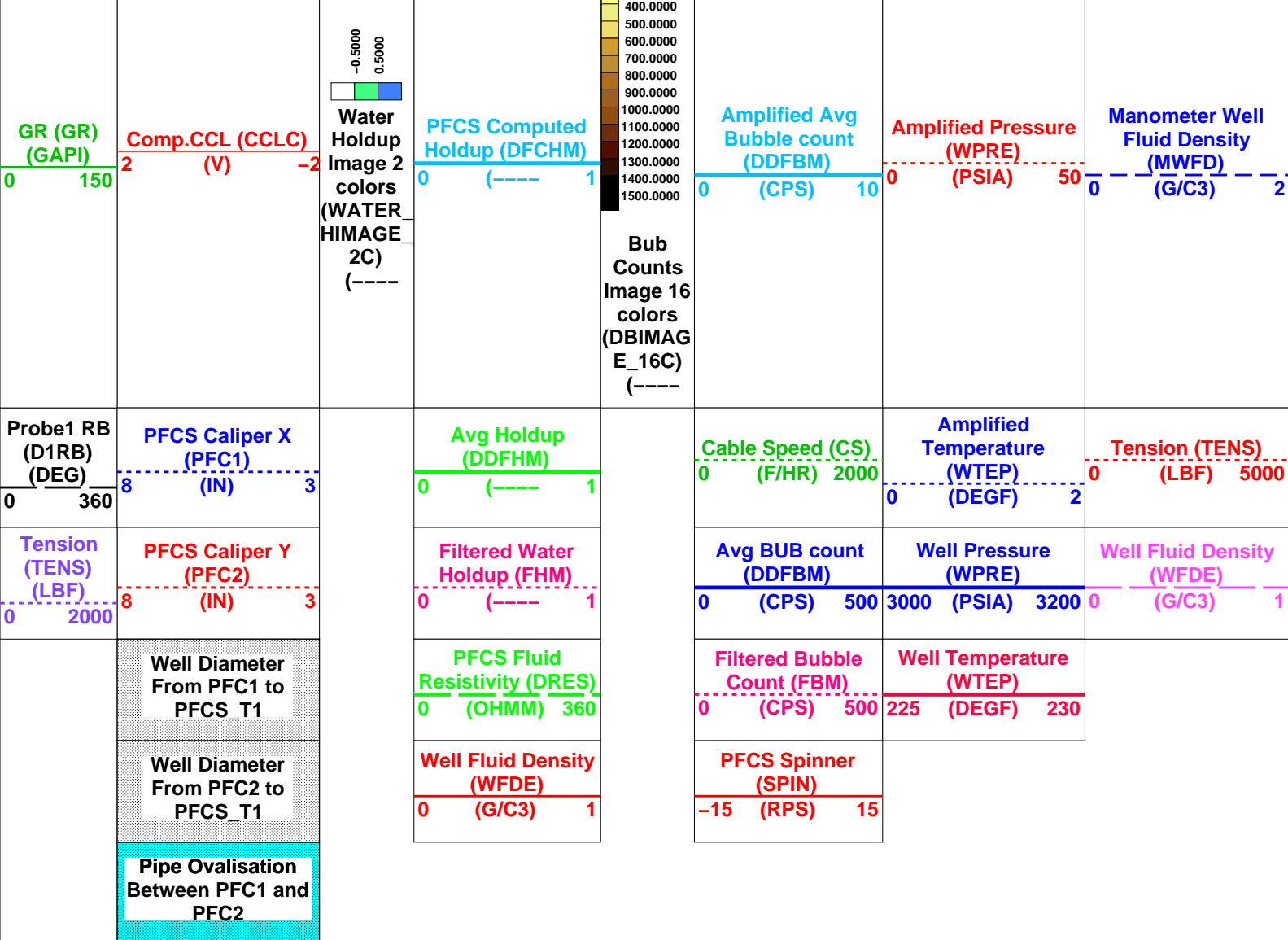
OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	DEFT-C2	14C0-302
PILS-A	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		





1.0000  
100.0000  
200.0000  
300.0000





Format: PFCS\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 14-Jun-2006 13:24

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
PFGC	PFCS Geometrical coefficient	1200
PFRE1	Downhole Resistor Probe 1	3000 OHMS
PFRE2	Downhole Resistor Probe 2	3000 OHMS
PFRE3	Downhole Resistor Probe 3	3000 OHMS
PFRE4	Downhole Resistor Probe 4	3000 OHMS
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO

DEFT	DEFT Blank Disallowed Probes	NO
DEFT	DEFT Flip Image	YES
DFII	DEFT Image Interpolation	TOP_MIDDLE
DFIRS	DEFT Image Rotation Selection	D
DFPP2	Probes Arm Position (2nd tool)	1200
PFGC	PFCS Geometrical coefficient	
PILS-A: PSP In Line	Spinner Flowmeter	
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
CSIZ	Current Casing Size	7.625 IN
DO	Depth Offset for Playback	-0.2 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT
DEFT\_085LUP
FN:85
PRODUCER
14-Jun-2006 11:41
3121.3 M
3070.7 M

Output DLIS Files

DEFAULT
DEFT\_100PUP
FN:107
PRODUCER
14-Jun-2006 13:24
CUSTOMER
DEFT\_100PUC
FN:108
CUSTOMER
14-Jun-2006 13:24

Input DLIS Files

DEFAULT
DEFT\_085LUP
FN:85
PRODUCER
14-Jun-2006 11:41
3121.3 M
3070.7 M

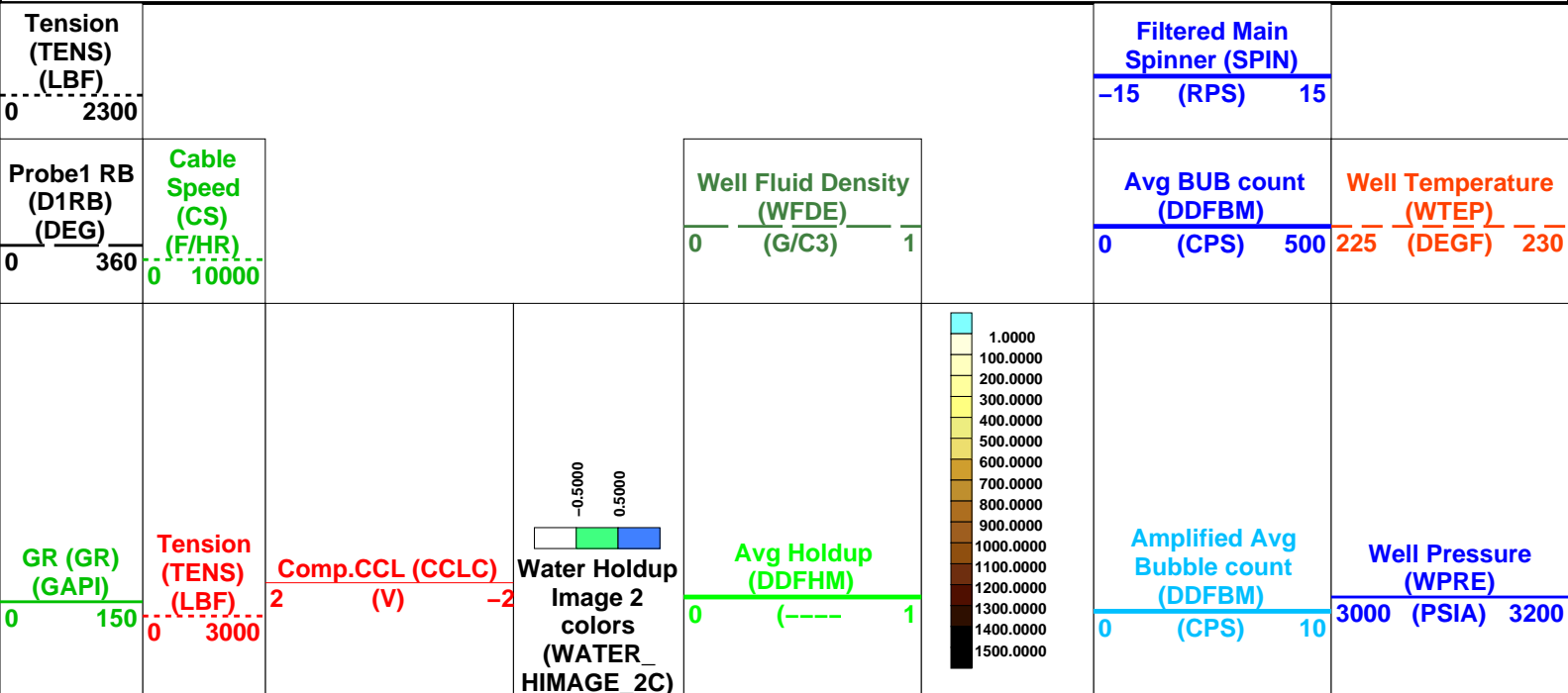
Output DLIS Files

DEFAULT
DEFT\_100PUP
FN:107
PRODUCER
14-Jun-2006 13:24
3121.2 M
3062.8 M
CUSTOMER
DEFT\_100PUC
FN:108
CUSTOMER
14-Jun-2006 13:24
3121.2 M
3062.8 M

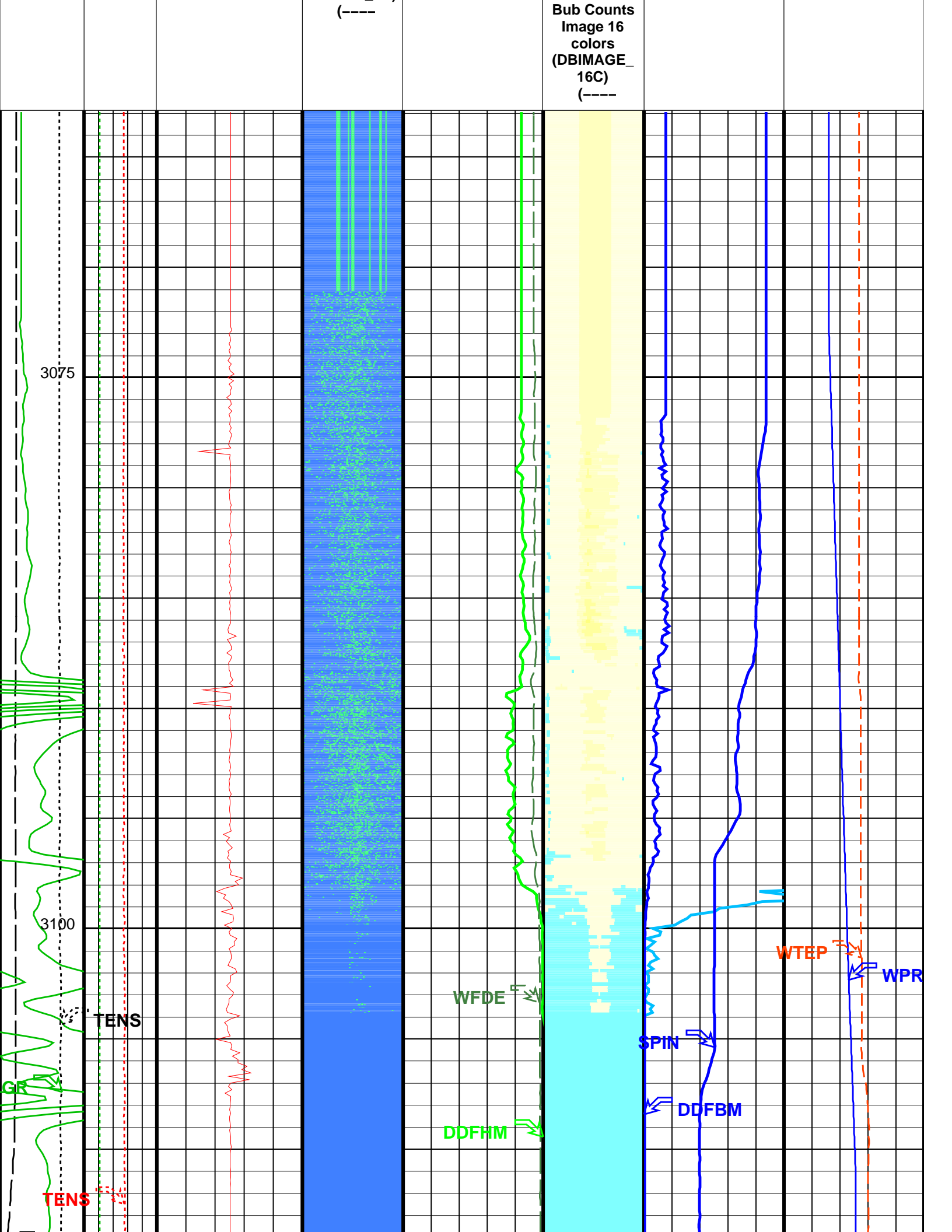
OP System Version: 14C0-302

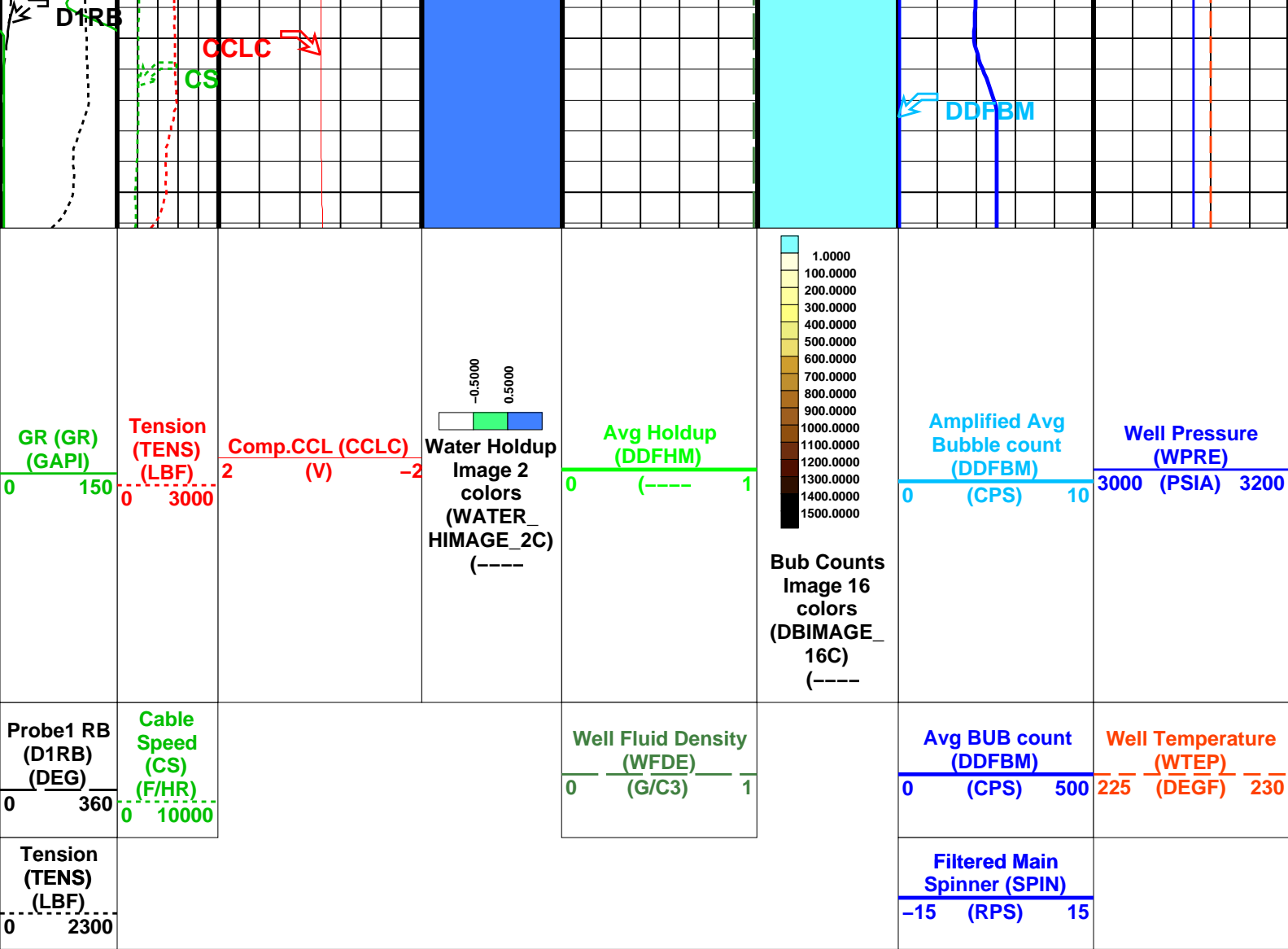
MCM

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









Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 14-Jun-2006 13:24

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
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			
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5		
PGMC-A/B: PSP Gradiomanometer Measurement Module				
CSID	Casing Size I.D.	6.875	IN	
GCPG	Gradio Surf.Cal Diff.Pres Gain	1		
GCPG	Gradio Surf.Cal Diff.Pres Offset	0	KPAA	
PDSH	Gradio Correction Density Shift	0	G/C3	
PSPT-A/B: Production Services Logging Platform				
CSID	Casing Size I.D.	6.875	IN	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG	
BORDYN: BorDyn (Well Test Validation)				
CSID	Casing Size I.D.	6.875	IN	
System and Miscellaneous				
DO	Depth Offset for Playback	-0.2	M	
PP	Playback Processing	NORMAL		

Input DLIS Files

DEFAULT DEFT\_085LUP FN:85 PRODUCER 14-Jun-2006 11:41 3121.3 M 3070.7 M

Output DLIS Files

DEFAULT DEFT\_100PUP FN:107 PRODUCER 14-Jun-2006 13:24  
CUSTOMER DEFT\_100PUC FN:108 CUSTOMER 14-Jun-2006 13:24



Flowing Pass  
Down @ 10m / min

MAXIS Field Log

Input DLIS Files

DEFAULT Flip\_DEFT\_091LUP PRODUCER 14-Jun-2006 12:49 3123.4 M 3071.6 M

Output DLIS Files

DEFAULT DEFT\_095PUP FN:97 PRODUCER 14-Jun-2006 13:07 3121.0 M 3061.4 M  
CUSTOMER DEFT\_095PUC FN:98 CUSTOMER 14-Jun-2006 13:07 3121.0 M 3061.4 M

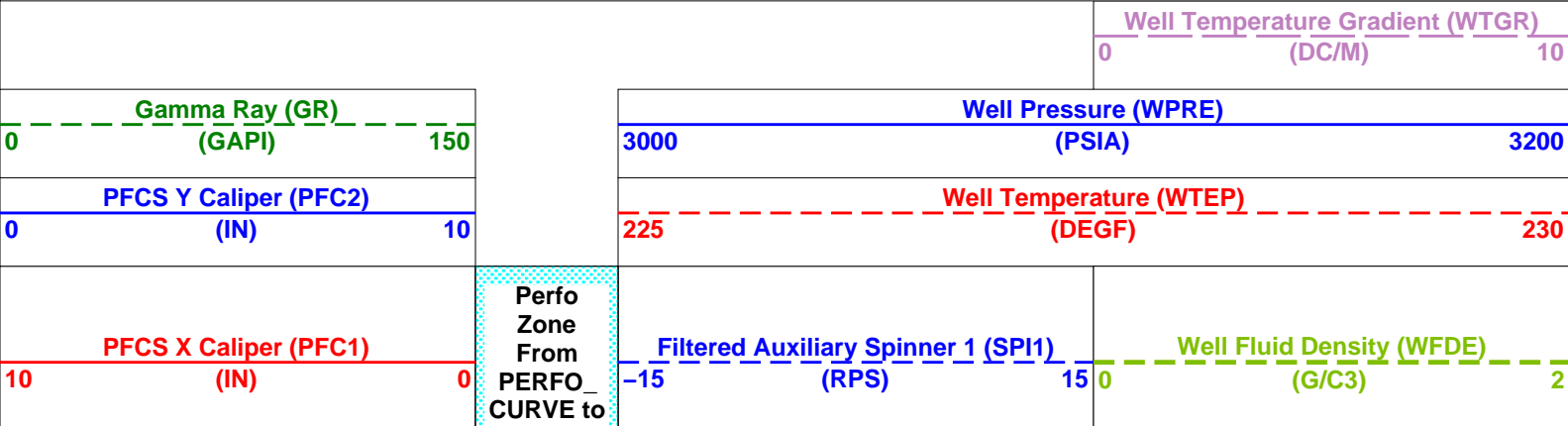
OP System Version: 14C0-302

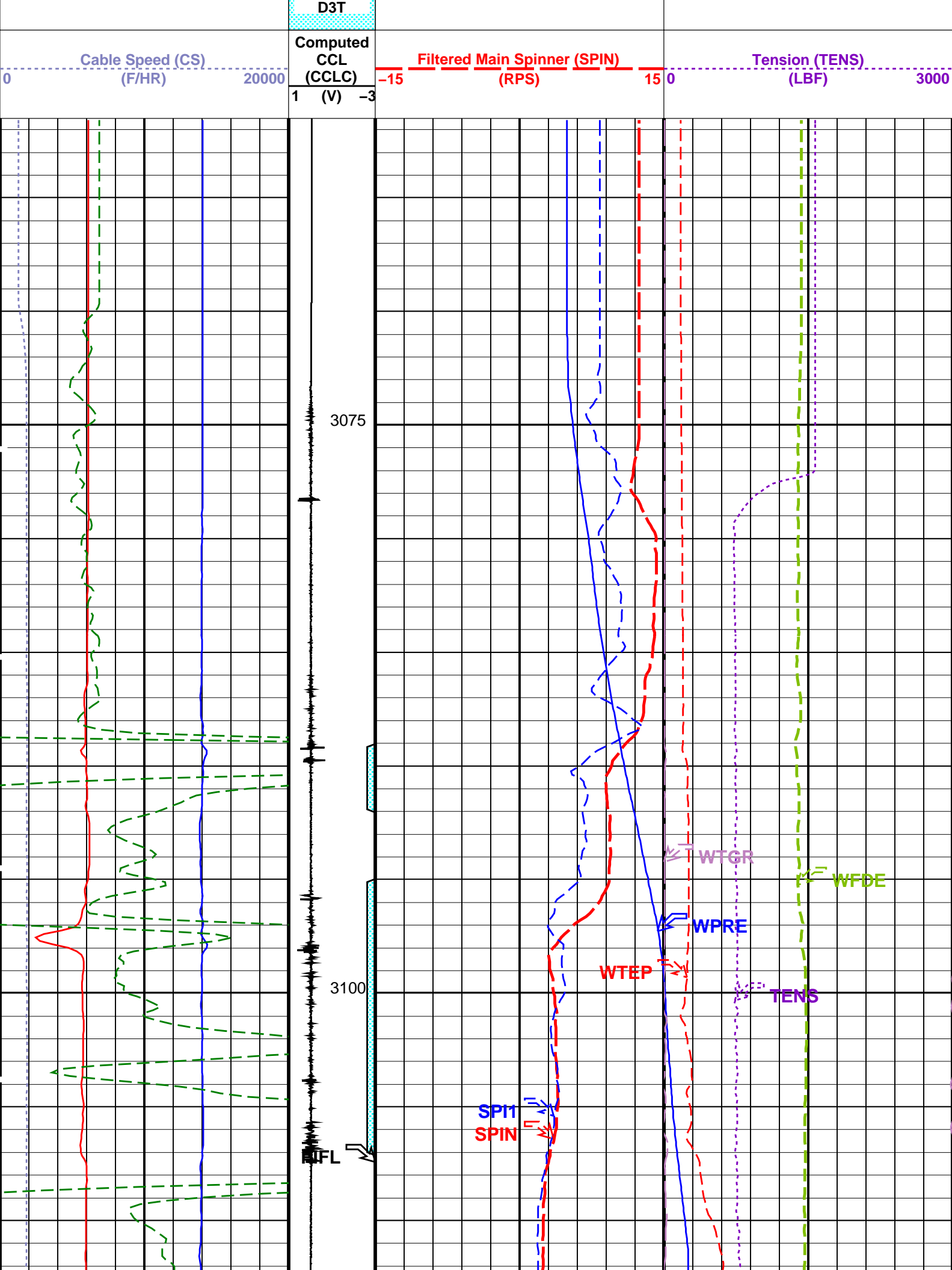
MCM

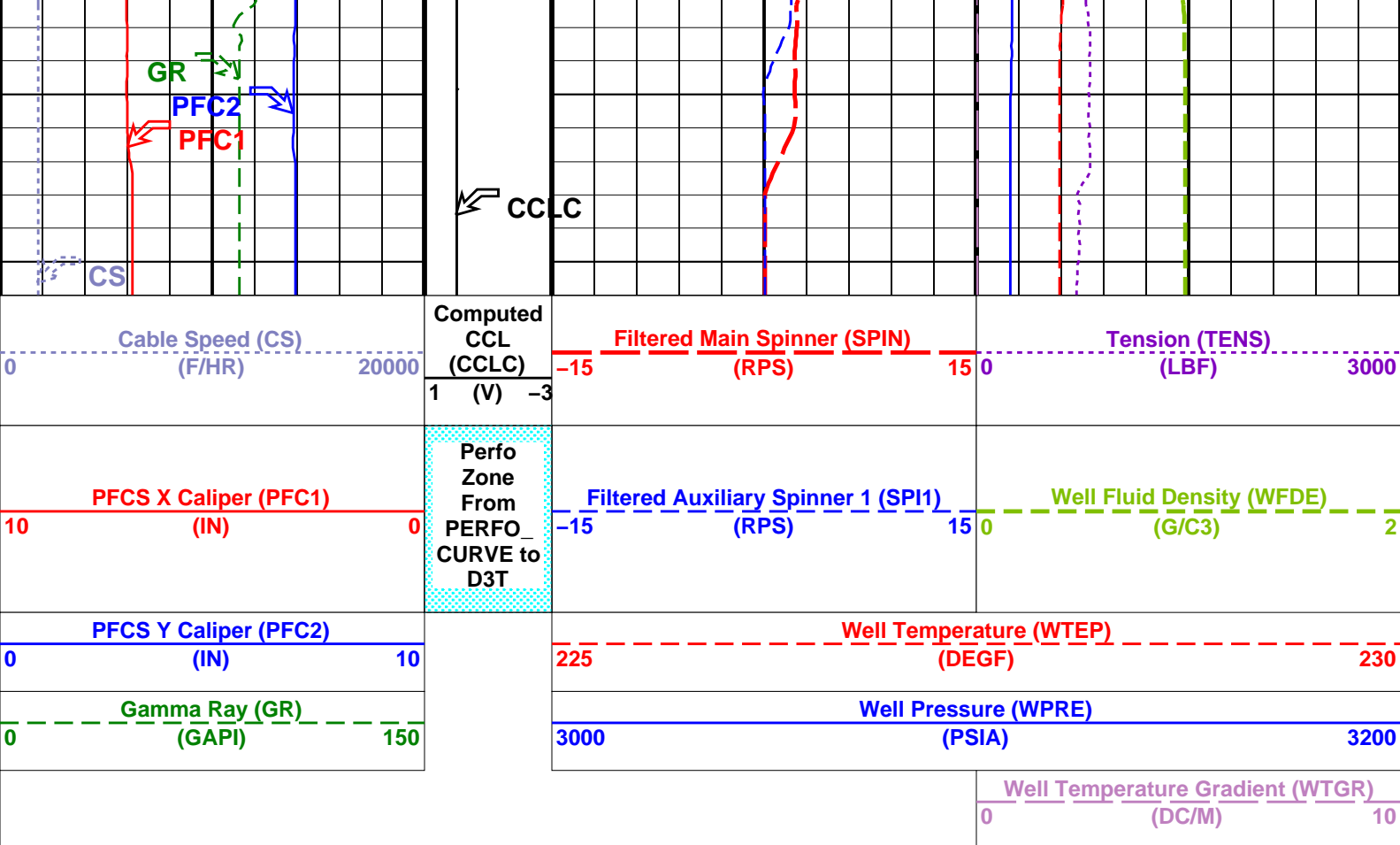
PFCs-A 14C0-302 DEFT-C2 14C0-302  
PILS-A 14C0-302 PGMC-A/B 14C0-302  
PSPT-A/B 14C0-302

PIP SUMMARY

Time Mark Every 60 S







#### PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 14-Jun-2006 13:07

### OP System Version: 14C0-302

MCM

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

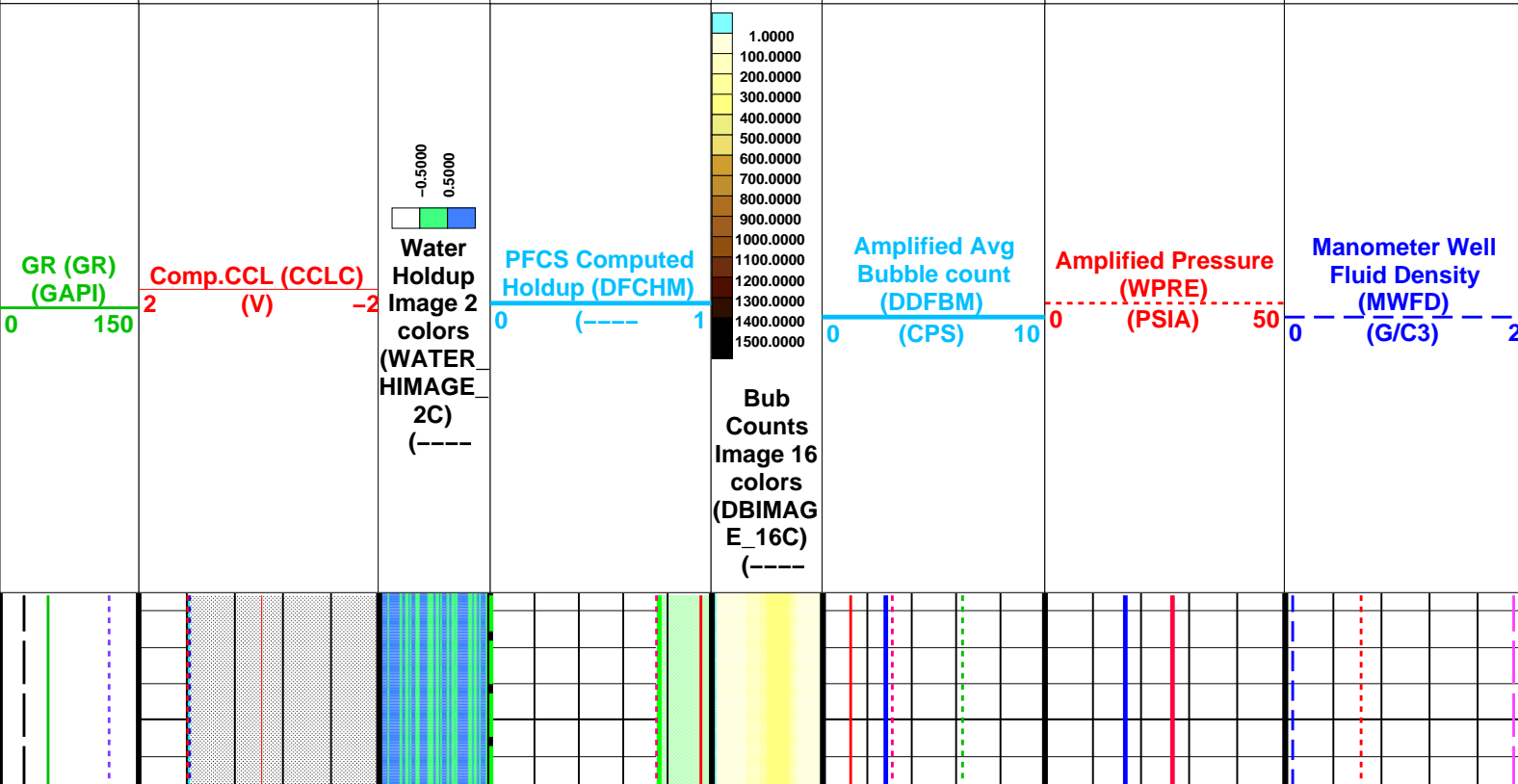
### Parameters

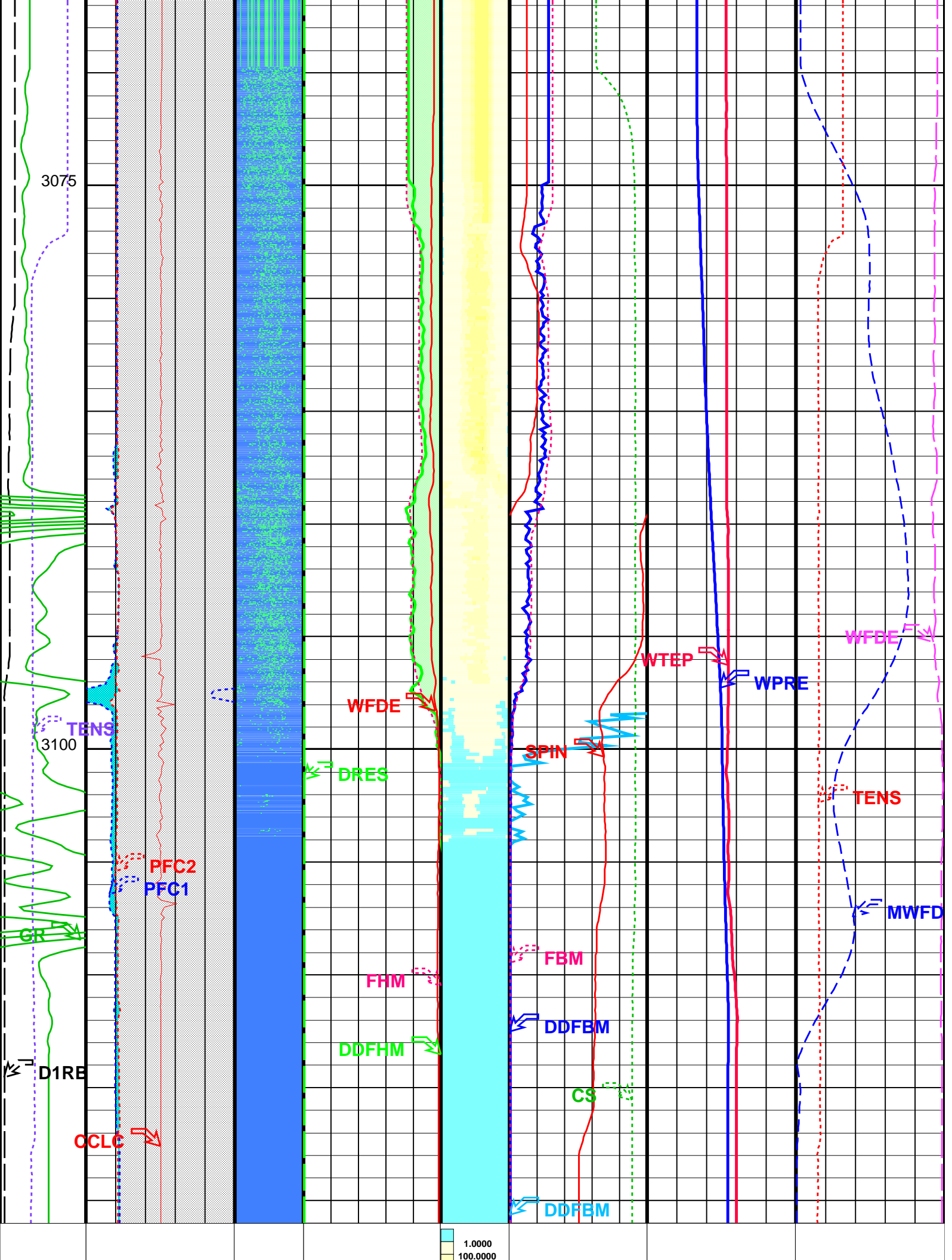
DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-2.5 M
PP	Playback Processing	NORMAL

### Input DLIS Files

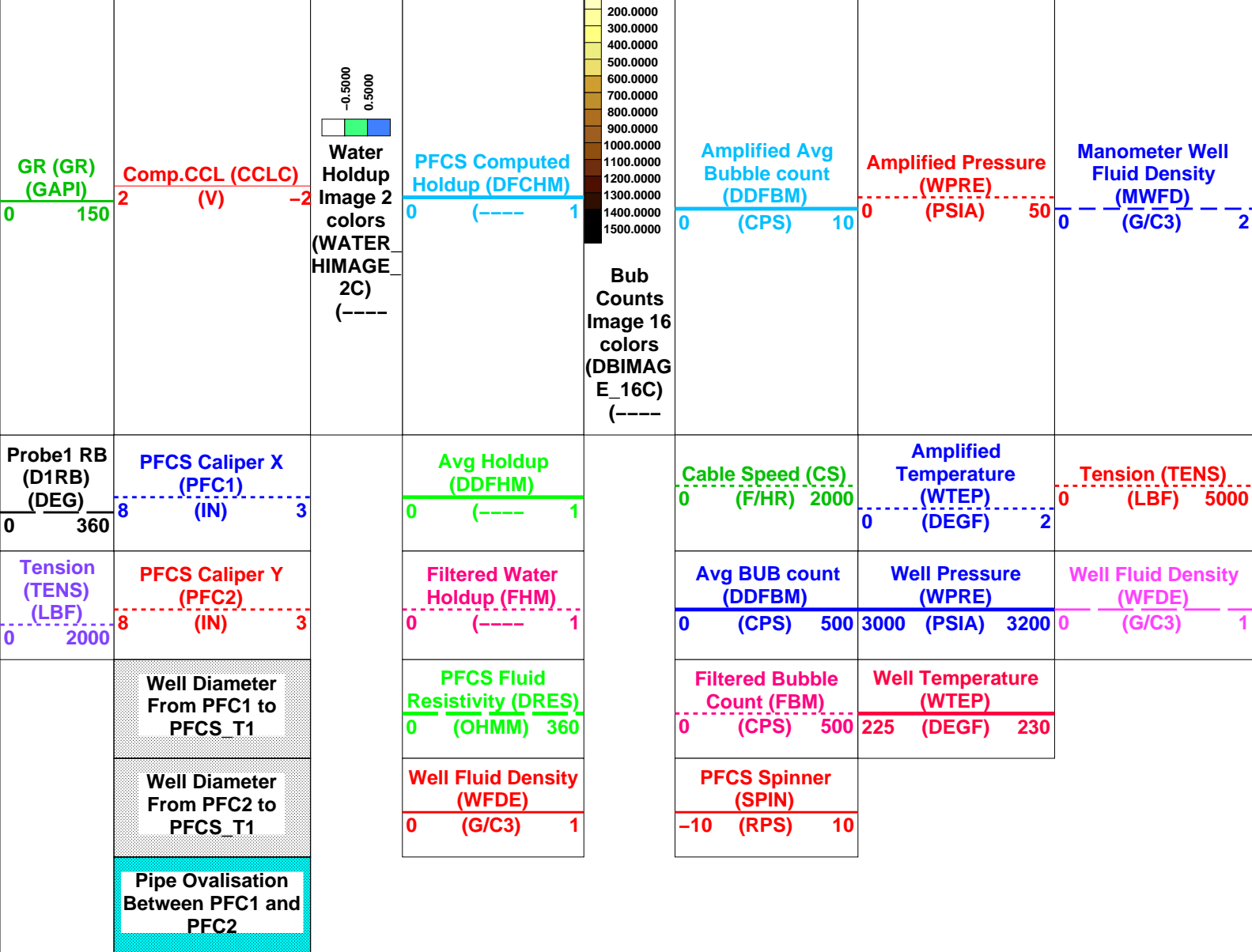
DEFAULT	Flip_DEFT_091LUP	PRODUCER	14-Jun-2006 12:49	3123.4 M	3071.6 M
---------	------------------	----------	-------------------	----------	----------

### Output DLIS Files









Format: PFCS\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 14-Jun-2006 13:08

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
PFGC	PFCS Geometrical coefficient	1200
PFRE1	Downhole Resistor Probe 1	3000 OHMS
PFRE2	Downhole Resistor Probe 2	3000 OHMS
PFRE3	Downhole Resistor Probe 3	3000 OHMS
PFRE4	Downhole Resistor Probe 4	3000 OHMS
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB



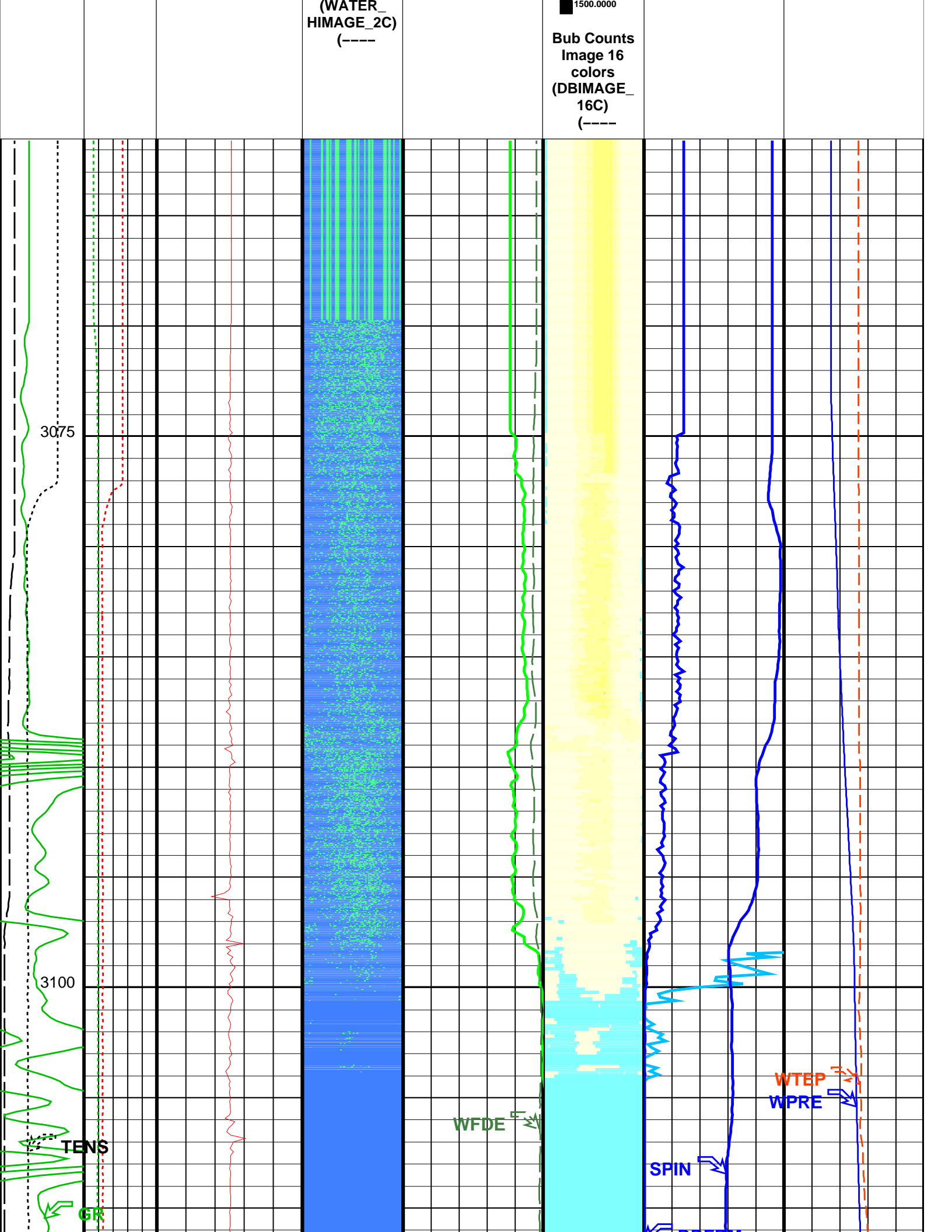
DDRS	Dual DEFT RB Source	D1RB	NO
DFBD	DEFT Blank Disallowed Probes		NO
DFFI	DEFT Flip Image		YES
DFII	DEFT Image Interpolation		TOP_MIDDLE
DFIRS	DEFT Image Rotation Selection		D
DFPP2	Probes Arm Position (2nd tool)		1200
PFGC	PFCS Geometrical coefficient		
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter		6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-2.5	M
PP	Playback Processing	NORMAL	

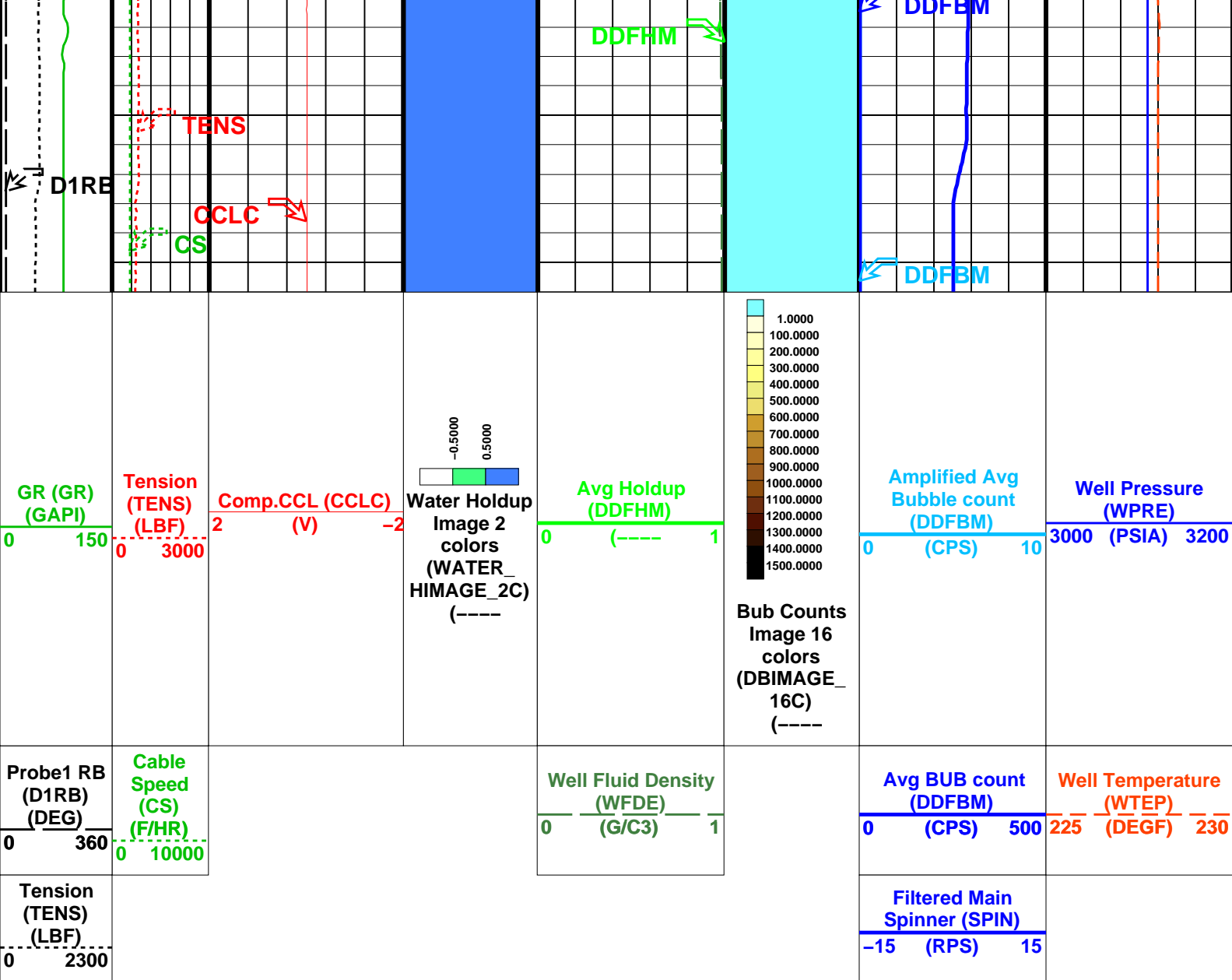
Input DLIS Files					
DEFAULT	Flip_DEFT_091LUP	PRODUCER	14-Jun-2006 12:49	3123.4 M	3071.6 M
Output DLIS Files					
DEFAULT	DEFT_095PUP	FN:97	PRODUCER	14-Jun-2006 13:07	
CUSTOMER	DEFT_095PUC	FN:98	CUSTOMER	14-Jun-2006 13:07	

Input DLIS Files					
DEFAULT	Flip_DEFT_091LUP	PRODUCER	14-Jun-2006 12:49	3123.4 M	3071.6 M
Output DLIS Files					
DEFAULT	DEFT_095PUP	FN:97	PRODUCER	14-Jun-2006 13:07	3121.0 M
CUSTOMER	DEFT_095PUC	FN:98	CUSTOMER	14-Jun-2006 13:07	3121.0 M

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

Tension (TENS) (LBF)					Filtered Main Spinner (SPIN)	
0 2300					-15 (RPS) 15	
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)	Well Fluid Density (WFDE) (G/C3)		Avg BUB count (DDFBM) (CPS)	Well Temperature (WTEP) (DEGF)	
0 360	0 10000	0 1		0 500	225 230	
GR (GR) (GAPI)	Tension (TENS) (LBF)	Comp.CCL (CCLC) (V)	Water Holdup Image 2 colors	Avg Holdup (DDFHM) (----)	Amplified Avg Bubble count (DDFBM) (CPS)	Well Pressure (WPRE) (PSIA)
0 150	0 3000	2 -2	-0.5000 0.5000	0 1	0 10	3000 3200





Parameters			
DLIS Name		Description	Value
PFCS-A: PSP Flow and caliper Tool			
AMOD		Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID		Casing Size I.D.	6.875 IN
DDRC		Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS		Dual DEFT RB Source	D1RB
DFBD		DEFT Blank Disallowed Probes	NO
DEFI		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	40 DEG
SDCF		Spinner Depth Constant Filter	6
SPIN		Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool			
CSID		Casing Size I.D.	6.875 IN
DDRC		Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS		Dual DEFT RB Source	D1RB
DFBD		DEFT Blank Disallowed Probes	NO
DEFI		DEFT Flip Image	NO

DEFT	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
PILS-A: PSP In Line	Spinner Flowmeter	
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
DO	Depth Offset for Playback	-2.5 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT
Flip\_DEFT\_091LUP
PRODUCER
14-Jun-2006 12:49
3123.4 M
3071.6 M

Output DLIS Files

DEFAULT
DEFT\_095PUP
FN:97
PRODUCER
14-Jun-2006 13:07
CUSTOMER
DEFT\_095PUC
FN:98
CUSTOMER
14-Jun-2006 13:07



Flowing Pass
Up @ 5m / min

MAXIS Field Log

Input DLIS Files

DEFAULT
DEFT\_083LUP
FN:81
PRODUCER
14-Jun-2006 11:27
3123.4 M
3079.1 M

Output DLIS Files

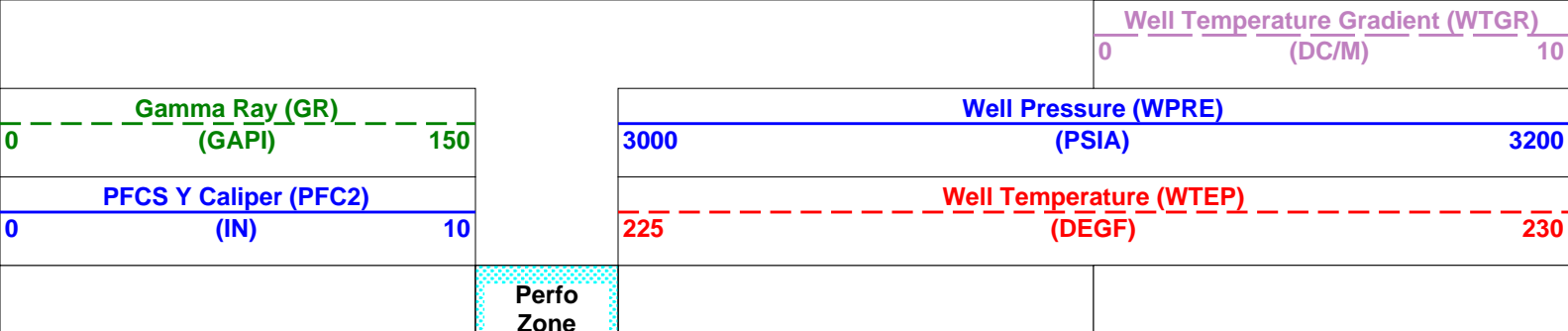
DEFAULT
DEFT\_096PUP
FN:99
PRODUCER
14-Jun-2006 13:11
3123.1 M
3071.0 M
CUSTOMER
DEFT\_096PUC
FN:100
CUSTOMER
14-Jun-2006 13:11
3123.1 M
3071.0 M

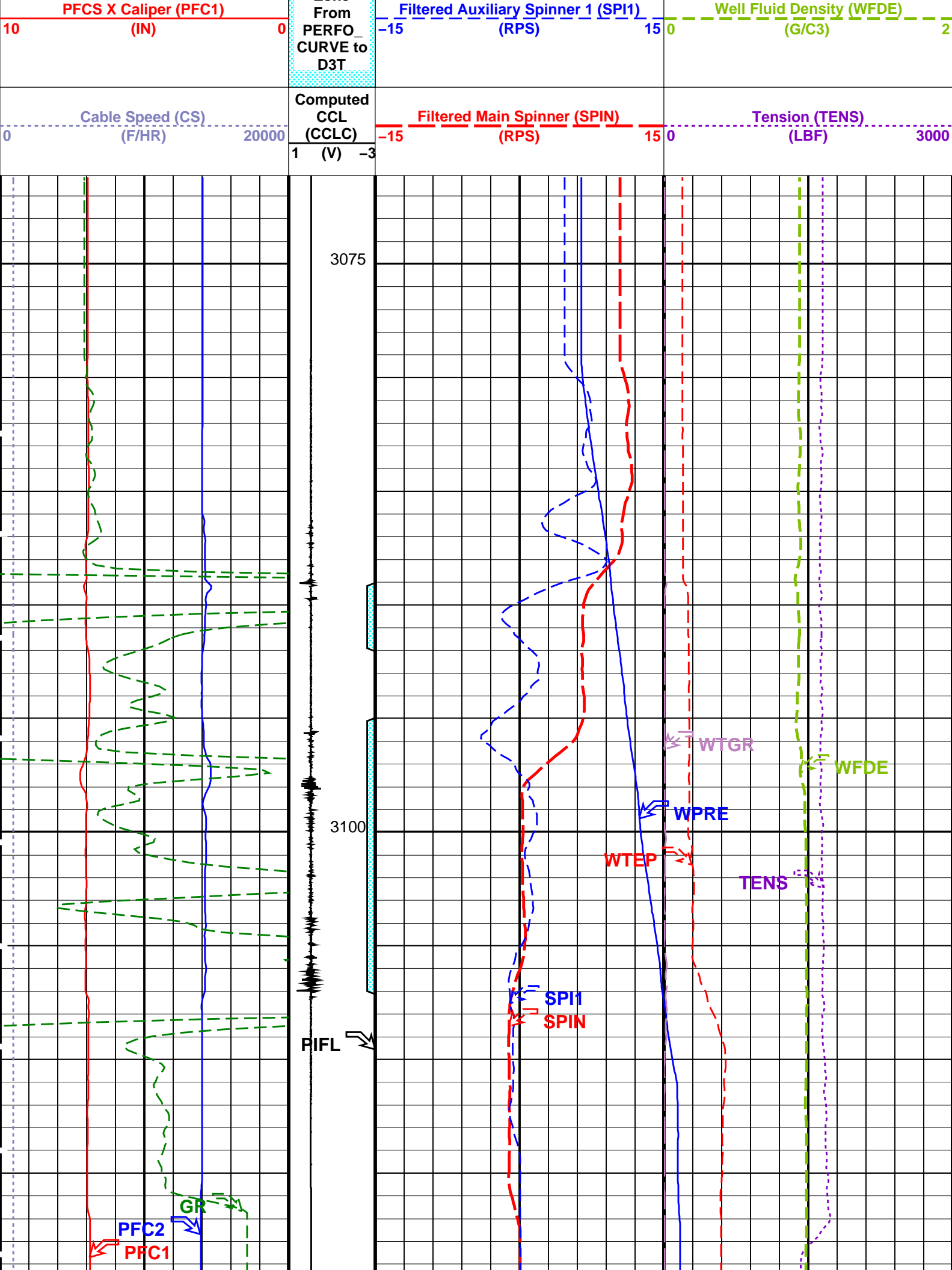
OP System Version: 14C0-302
MCM

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

PIP SUMMARY

Time Mark Every 60 S





Output DLIS Files				
DEFAULT	DEFT_096PUP	FN:99	PRODUCER	14-Jun-2006 13:11
CUSTOMER	DEFT_096PUC	FN:100	CUSTOMER	14-Jun-2006 13:11

Input DLIS Files

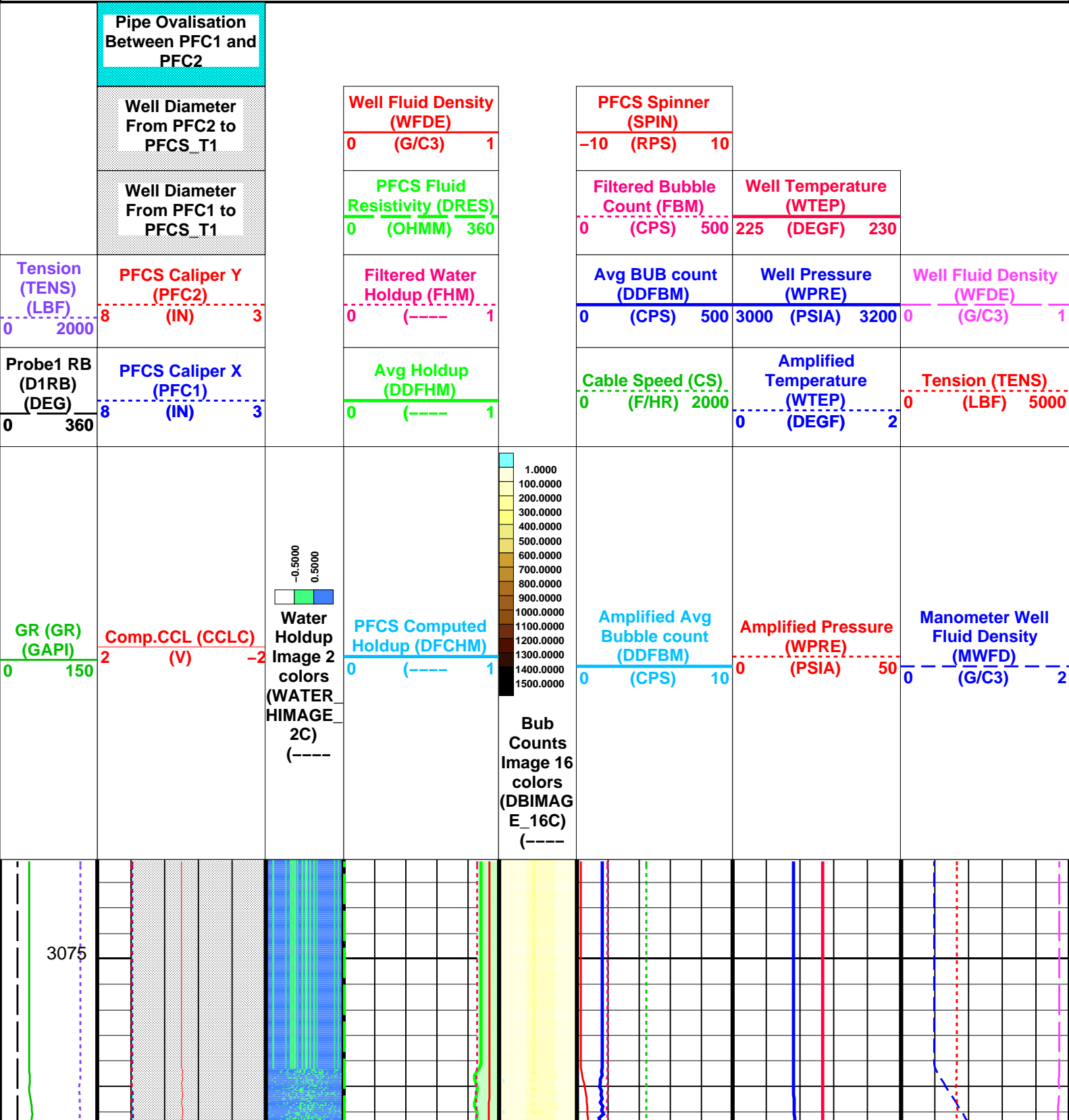
DEFAULT DEFT\_083LUP FN:81 PRODUCER 14-Jun-2006 11:27 3123.4 M 3079.1 M

Output DLIS Files

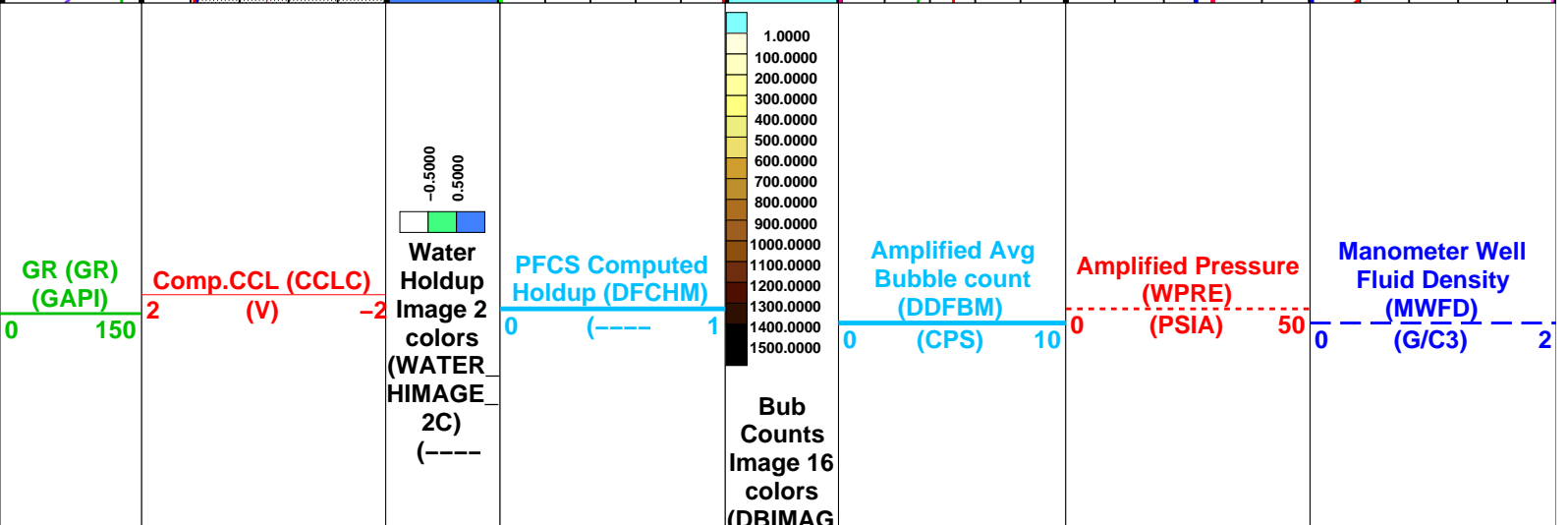
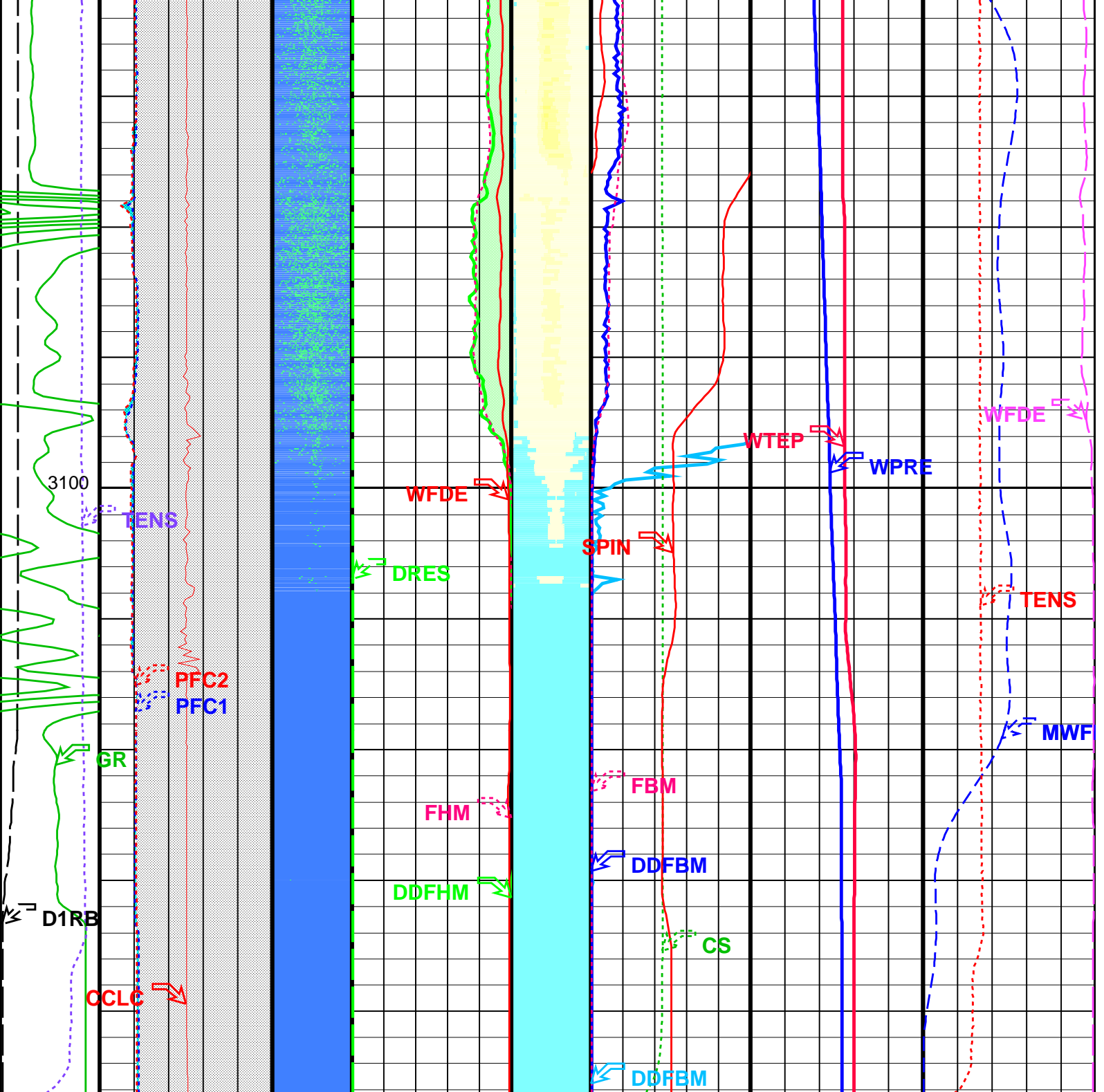
DEFAULT DEFT\_096PUP FN:99 PRODUCER 14-Jun-2006 13:11 3123.1 M 3071.0 M  
CUSTOMER DEFT\_096PUC FN:100 CUSTOMER 14-Jun-2006 13:11 3123.1 M 3071.0 M

OP System Version: 14C0-302  
MCM

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









				(Casing Size I.D.) E_16C) (-----)			
Probe1 RB (D1RB) (DEG) 0 360	PFCS Caliper X (PFC1) (IN) 8 3		Avg Holdup (DDFHM) 0 (-----) 1		Cable Speed (CS) (F/HR) 2000 0	Amplified Temperature (WTEP) (DEGF) 2	Tension (TENS) (LBF) 5000 0
Tension (TENS) (LBF) 0 2000	PFCS Caliper Y (PFC2) (IN) 8 3		Filtered Water Holdup (FHM) 0 (-----) 1		Avg BUB count (DDFBM) (CPS) 500	Well Pressure (WPRE) (PSIA) 3200	Well Fluid Density (WFDE) (G/C3) 1
	Well Diameter From PFC1 to PFC2_T1		PFCS Fluid Resistivity (DRES) 0 (OHMM) 360		Filtered Bubble Count (FBM) (CPS) 500	Well Temperature (WTEP) (DEGF) 230	
	Well Diameter From PFC2 to PFC2_T1		Well Fluid Density (WFDE) (G/C3) 1		PFCS Spinner (SPIN) (RPS) 10		
	Pipe Ovalisation Between PFC1 and PFC2						

Format: PFCS\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 14-Jun-2006 13:11

## OP System Version: 14C0-302

MCM

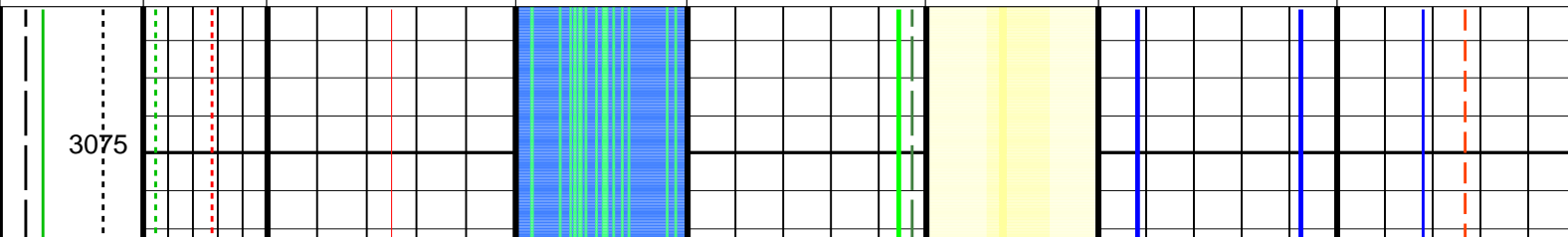
PFCS-A	14C0-302	DEFT-C2	14C0-302
PILS-A	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

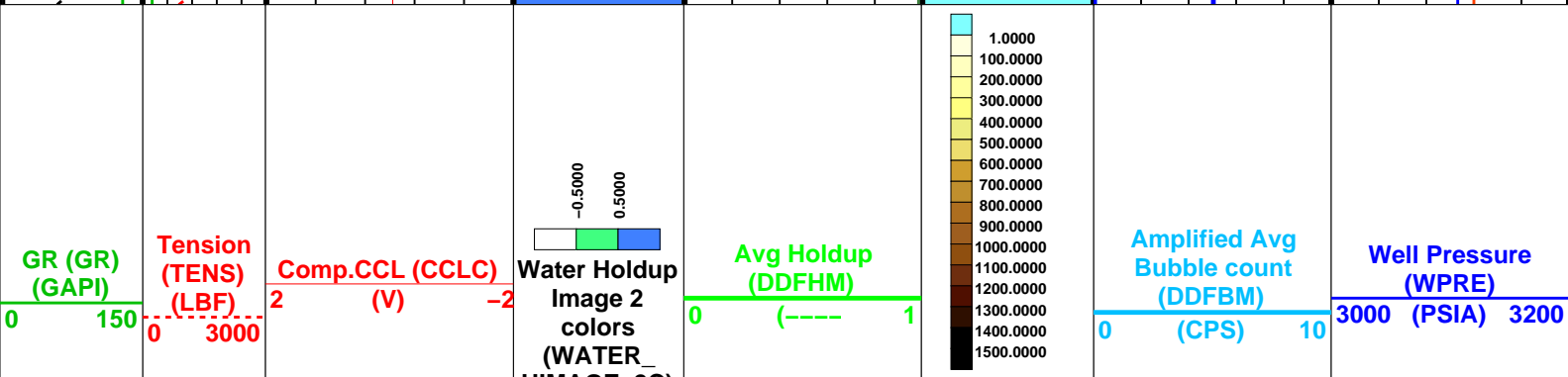
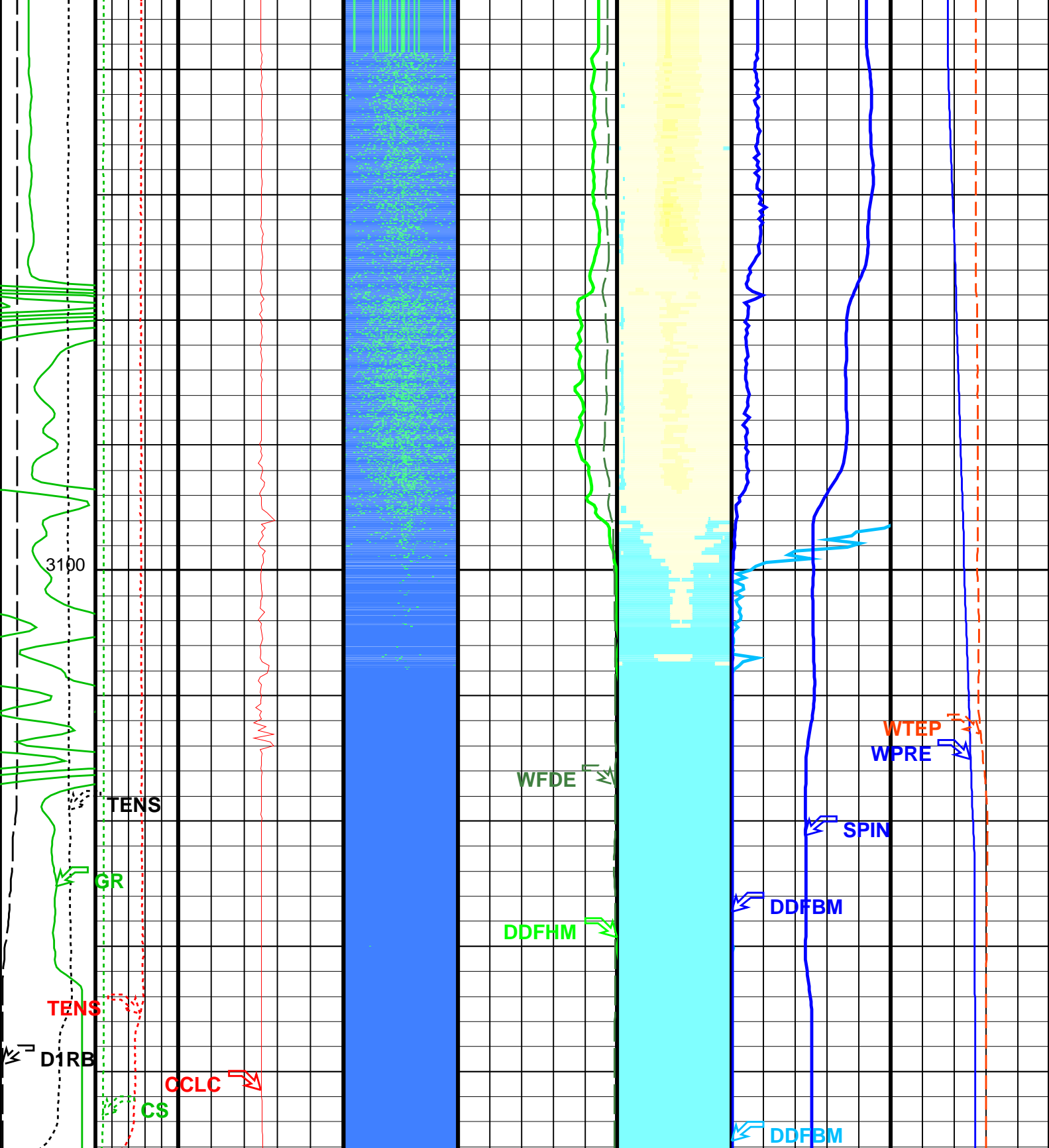
## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
PFGC	PFCS Geometrical coefficient	1200
PFRE1	Downhole Resistor Probe 1	3000 OHMS
PFRE2	Downhole Resistor Probe 2	3000 OHMS
PFRE3	Downhole Resistor Probe 3	3000 OHMS
PFRE4	Downhole Resistor Probe 4	3000 OHMS
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP2	Probes Arm Position (2nd tool)	D
PFGC	PFCS Geometrical coefficient	1200
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG

Input DLIS Files						
DEFAULT	DEFT_083LUP	FN:81	PRODUCER	14-Jun-2006 11:27	3123.4 M	3079.1 M
Output DLIS Files						
DEFAULT	DEFT_096PUP	FN:99	PRODUCER	14-Jun-2006 13:11		
CUSTOMER	DEFT_096PUC	FN:100	CUSTOMER	14-Jun-2006 13:11		

<p align="center"><b>OP System Version: 14C0-302</b></p> <p align="center"><b>MCM</b></p>			
<b>PFCS-A</b>	<b>14C0-302</b>	<b>DEFT-C2</b>	<b>14C0-302</b>
<b>PILS-A</b>	<b>14C0-302</b>	<b>PGMC-A/B</b>	<b>14C0-302</b>
<b>PSPT-A/B</b>	<b>14C0-302</b>		





			HIMAGE_2C) (-----		Bub Counts Image 16 colors (DBIMAGE_ 16C) (-----		
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)			Well Fluid Density (WFDE)		Avg BUB count (DDFBM)	Well Temperature (WTEP)
0 360	0 10000			0 (G/C3) 1		0 (CPS) 500	225 (DEGF) 230
Tension (TENS) (LBF)						Filtered Main Spinner (SPIN)	
0 2300						-15 (RPS) 15	

Format: DEFT\_Image\_DL

Vertical Scale: 1:200

Graphics File Created: 14-Jun-2006 13:11

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

Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPD	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
DO	Depth Offset for Playback	-0.3	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	DEFT_083LUP	FN:81	PRODUCER	14-Jun-2006 11:27	3123.4 M	3079.1 M
Output DLIS Files						
DEFAULT	DEFT_096PUP	FN:99	PRODUCER	14-Jun-2006 13:11		
CUSTOMER	DEFT_096PUC	FN:100	CUSTOMER	14-Jun-2006 13:11		



Flowing Pass  
Down @ 5m / min

MAXIS Field Log

### Input DLIS Files

DEFAULT	Flip_DEFT_094LUP	PRODUCER	14-Jun-2006 12:51	3122.4 M	3070.7 M
---------	------------------	----------	-------------------	----------	----------

### Output DLIS Files

DEFAULT	DEFT_108PUP	FN:123	PRODUCER	14-Jun-2006 13:56	3120.2 M	3060.8 M
CUSTOMER	DEFT_108PUC	FN:124	CUSTOMER	14-Jun-2006 13:56	3120.2 M	3060.8 M

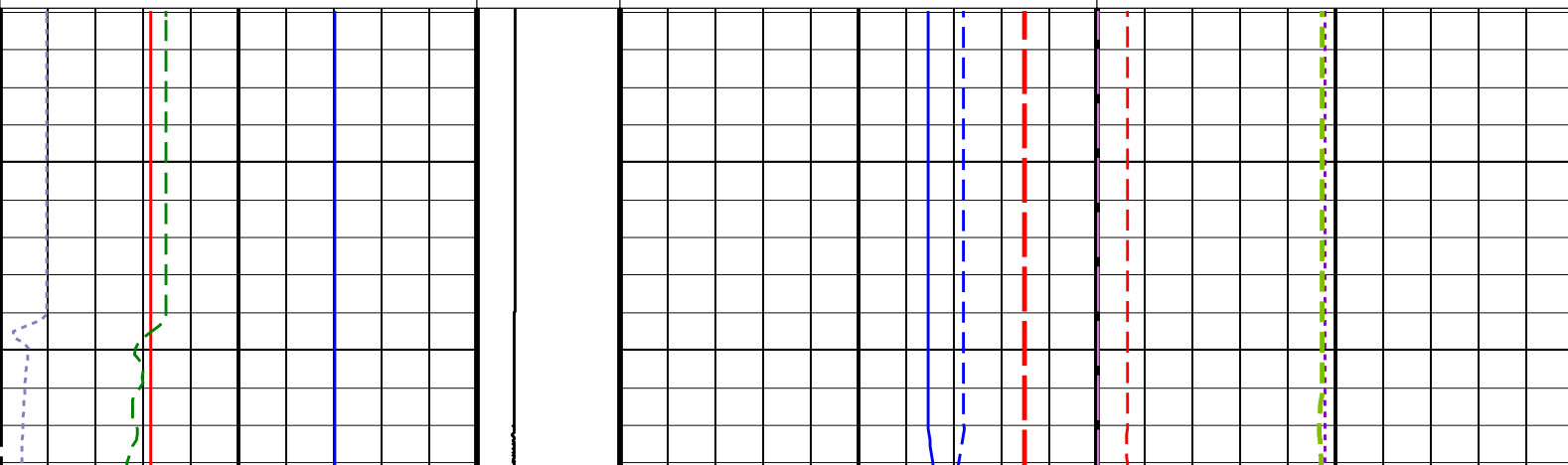
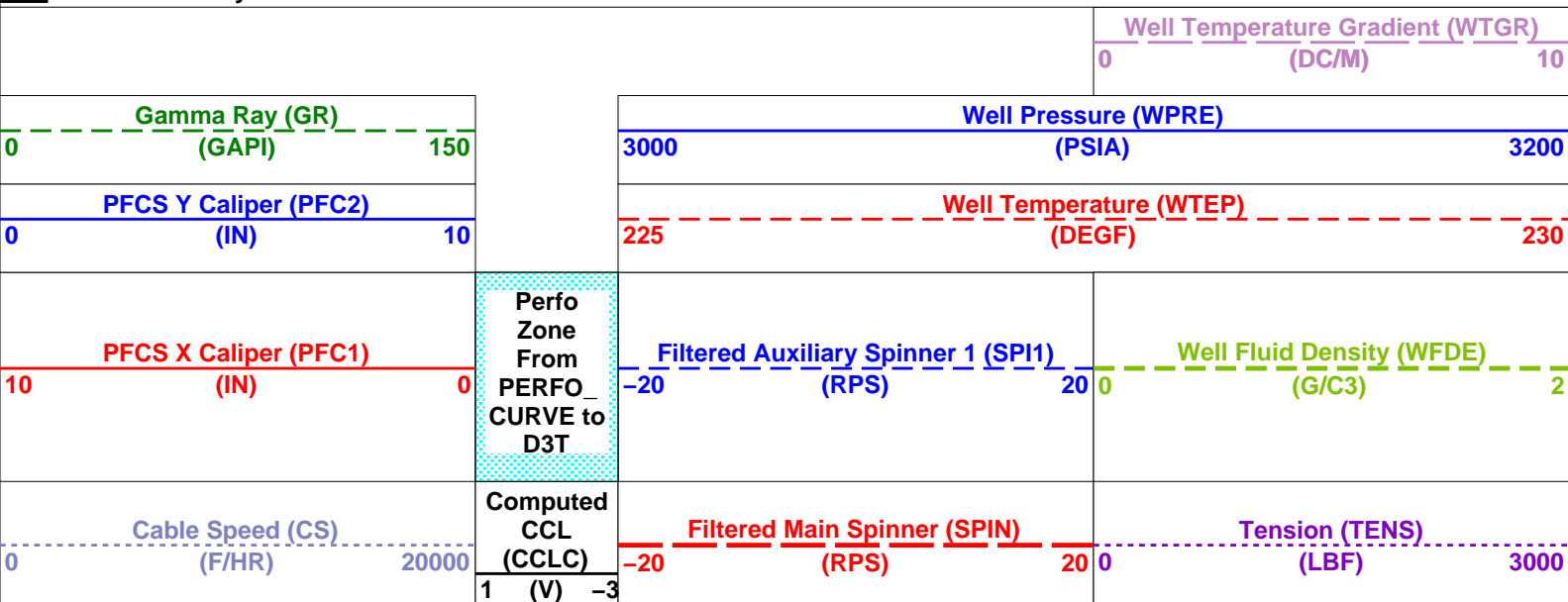
### OP System Version: 14C0-302

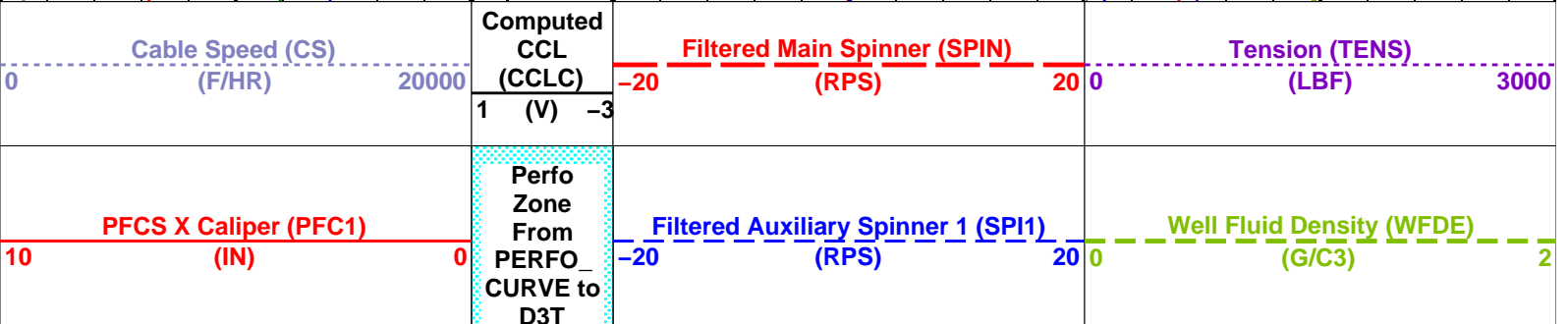
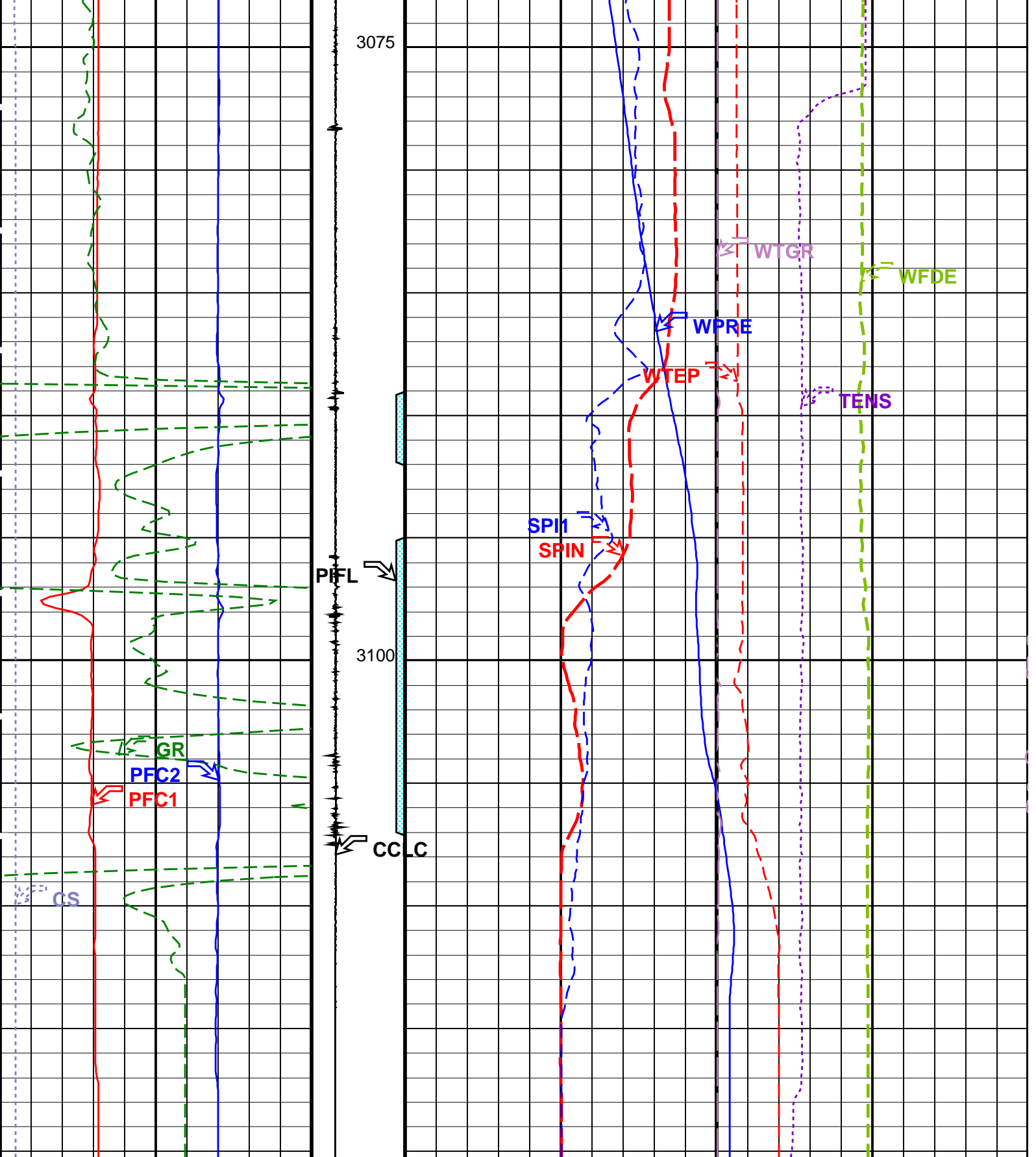
MCM

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

### PIP SUMMARY

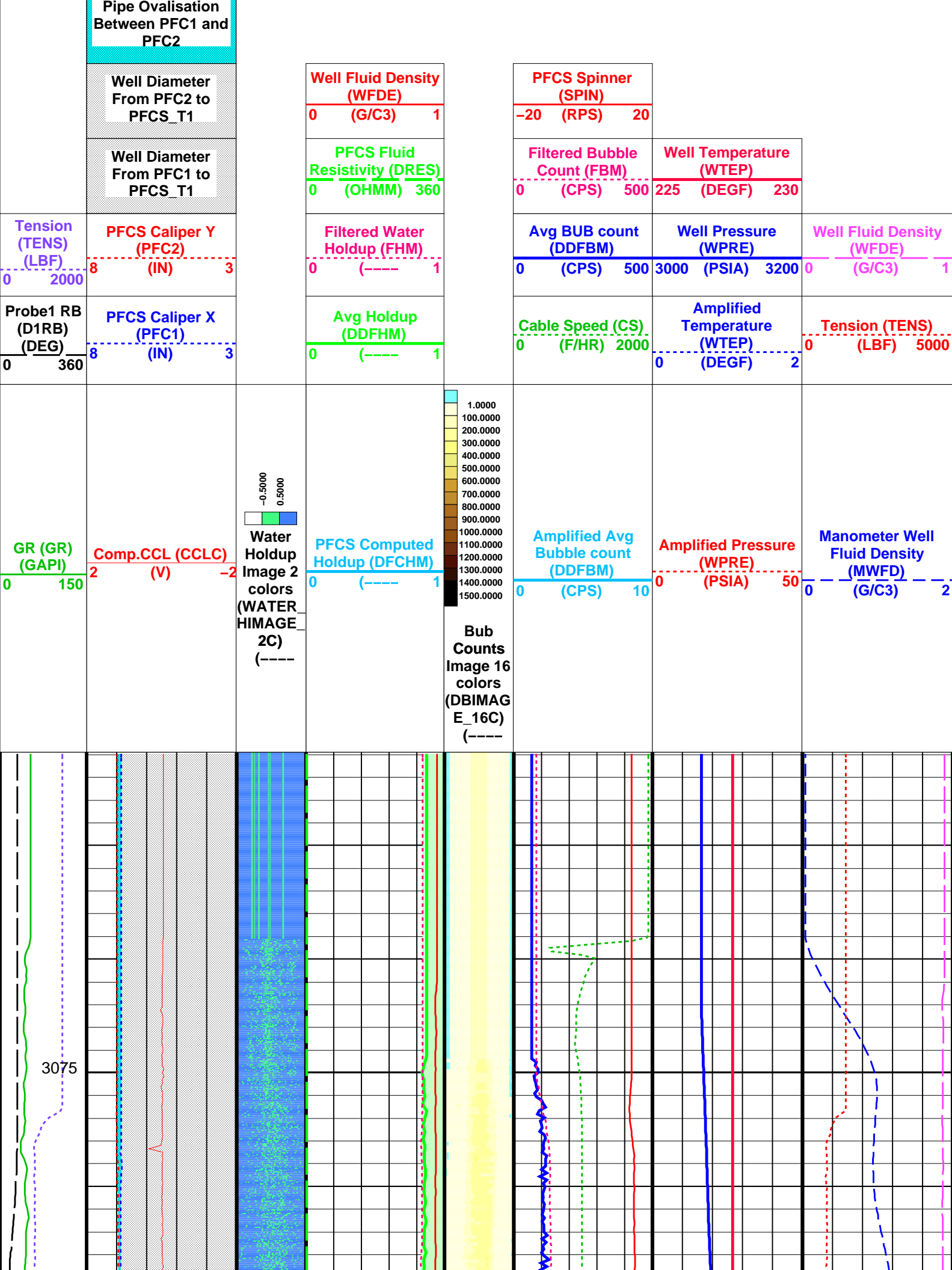
Time Mark Every 60 S

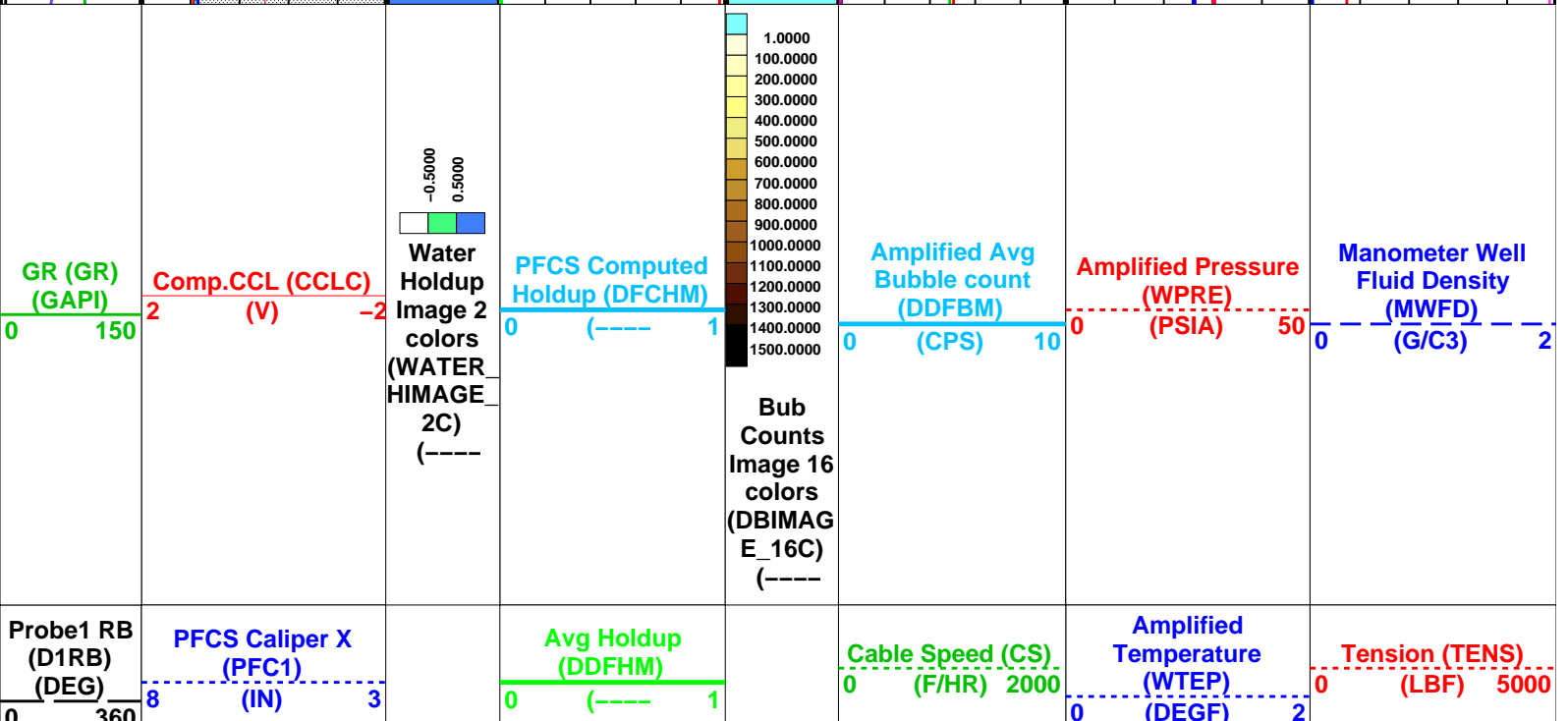
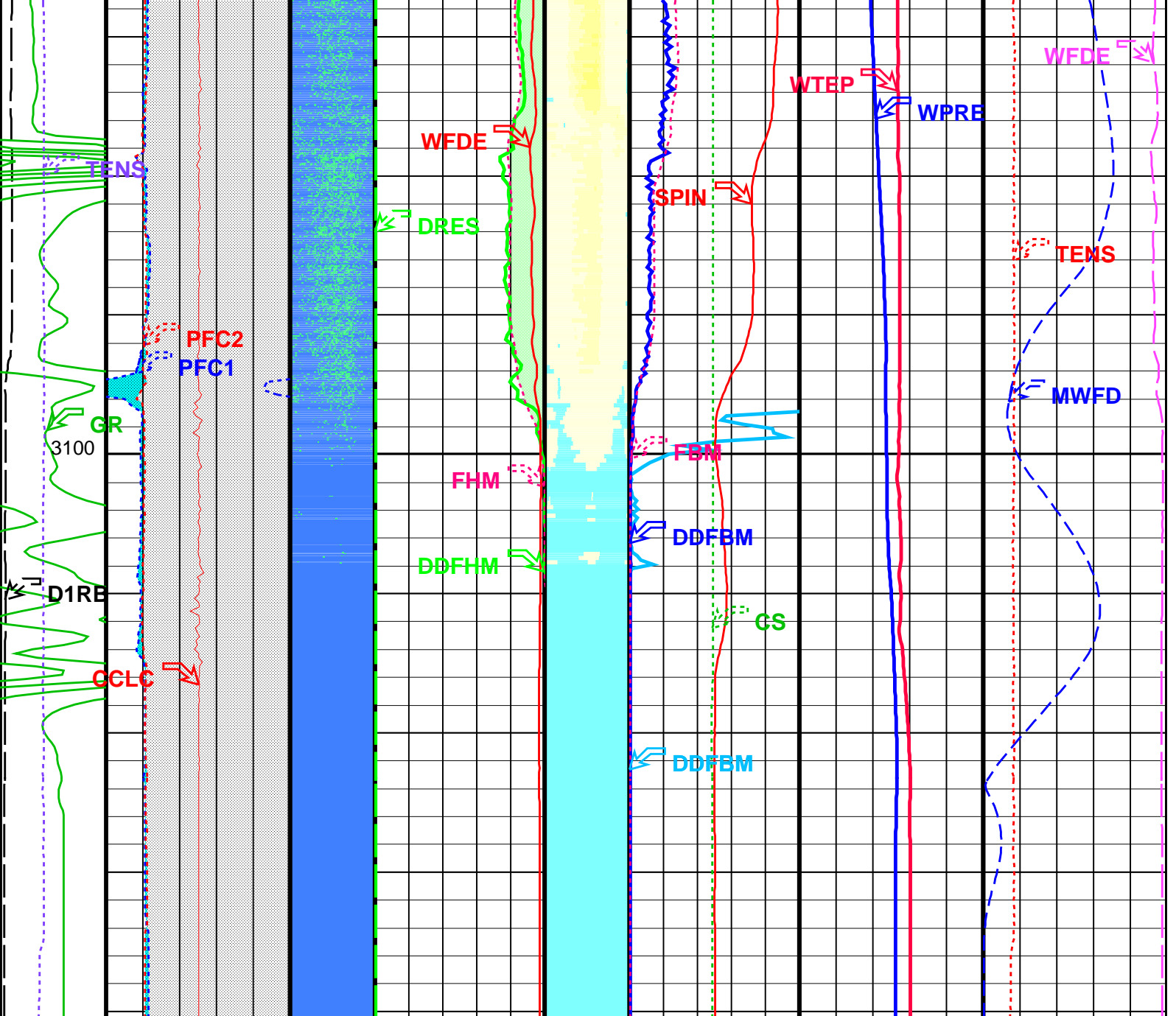




PFCS Y Caliper (PFC2)			Well Temperature (WTEP)			
0	(IN)		10	225		230
Gamma Ray (GR)			Well Pressure (WPRE)			
0	(GAPI)	150	3000	(PSIA)		3200
			Well Temperature Gradient (WTGR)			
			0	(DC/M)		10
PIP SUMMARY						
Time Mark Every 60 S						
Format: PSP_1		Vertical Scale: 1:200		Graphics File Created: 14-Jun-2006 13:56		
OP System Version: 14C0-302						
MCM						
PFCS-A		14C0-302	DEFT-C2		14C0-302	
PILS-A		14C0-302	PGMC-A/B		14C0-302	
PSPT-A/B		14C0-302				
Parameters						
DLIS Name		Description			Value	
PFCS-A: PSP Flow and caliper Tool						
AMOD		Spinner Filter Averaging Mode			LINEAR_AVERAGE	
GDEV		Average Angular Deviation of Borehole from Normal			40	DEG
SDCF		Spinner Depth Constant Filter			6	
SPI1		Auxiliary Spinner 1 Flowmeter Sonde			PILS-A	
SPIN		Main Spinner Flowmeter Sonde			PFCS-A_3.5	
PILS-A: PSP In Line Spinner Flowmeter						
AMOD		Spinner Filter Averaging Mode			LINEAR_AVERAGE	
SDCF		Spinner Depth Constant Filter			6	
SPI1		Auxiliary Spinner 1 Flowmeter Sonde			PILS-A	
SPIN		Main Spinner Flowmeter Sonde			PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module						
GCPG		Gradio Surf.Cal Diff.Pres Gain			1	
GCPO		Gradio Surf.Cal Diff.Pres Offset			0	KPAA
PDSH		Gradio Correction Density Shift			0	G/C3
PSPT-A/B: Production Services Logging Platform						
GDEV		Average Angular Deviation of Borehole from Normal			40	DEG
System and Miscellaneous						
DO		Depth Offset for Playback			-2.2	M
PP		Playback Processing			NORMAL	
Input DLIS Files						
DEFAULT	Flip_DEFT_094LUP	PRODUCER	14-Jun-2006 12:51	3122.4 M	3070.7 M	
Output DLIS Files						
DEFAULT	DEFT_108PUP	FN:123	PRODUCER	14-Jun-2006 13:56		
CUSTOMER	DEFT_108PUC	FN:124	CUSTOMER	14-Jun-2006 13:56		
Input DLIS Files						
DEFAULT	Flip_DEFT_094LUP	PRODUCER	14-Jun-2006 12:51	3122.4 M	3070.7 M	
Output DLIS Files						
DEFAULT	DEFT_108PUP	FN:123	PRODUCER	14-Jun-2006 13:56	3120.2 M	3060.8 M
CUSTOMER	DEFT_108PUC	FN:124	CUSTOMER	14-Jun-2006 13:56	3120.2 M	3060.8 M
OP System Version: 14C0-302						
MCM						
PFCS-A		14C0-302	DEFT-C2		14C0-302	
PILS-A		14C0-302	PGMC-A/B		14C0-302	
PSPT-A/B		14C0-302				







<div>Tension (TENS) (LBF)</div> <div>02000</div>	<div>PFCs Caliper Y (PFC2)</div> <div>8(IN)3</div>	<div>Filtered Water Holdup (FHM)</div> <div>0(----)1</div>	<div>Avg BUB count (DDFBM)</div> <div>0(CPS)500</div>	<div>Well Pressure (WPRE)</div> <div>3000(PSIA)3200</div>	<div>Well Fluid Density (WFDE)</div> <div>0(G/C3)1</div>
	<div>Well Diameter From PFC1 to PFCs_T1</div>	<div>PFCs Fluid Resistivity (DRES)</div> <div>0(OHMM)360</div>	<div>Filtered Bubble Count (FBM)</div> <div>0(CPS)500</div>	<div>Well Temperature (WTEP)</div> <div>225(DEGF)230</div>	
	<div>Well Diameter From PFC2 to PFCs_T1</div>	<div>Well Fluid Density (WFDE)</div> <div>0(G/C3)1</div>	<div>PFCs Spinner (SPIN)</div> <div>-20(RPS)20</div>		
	<div>Pipe Ovalisation Between PFC1 and PFC2</div>				

Format: PFCs\_Image\_DL

Vertical Scale: 1:200

Graphics File Created: 14-Jun-2006 13:56

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

Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP2	Probes Arm Position (2nd tool)	D	
PFGC	PFCS Geometrical coefficient	1200	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPD	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-2.2	M
PP	Playback Processing	NORMAL	

# Input DLIS Files

DEFAULT	Flip_DEFT_094LUP	PRODUCER	14-Jun-2006 12:51	3122.4 M	3070.7 M
---------	------------------	----------	-------------------	----------	----------

## Output DLIS Files

DEFAULT	DEFT_108PUP	FN:123	PRODUCER	14-Jun-2006 13:56
CUSTOMER	DEFT_108PUC	FN:124	CUSTOMER	14-Jun-2006 13:56

# Input DLIS Files

DEFAULT	Flip_DEFT_094LUP	PRODUCER	14-Jun-2006 12:51	3122.4 M	3070.7 M
---------	------------------	----------	-------------------	----------	----------

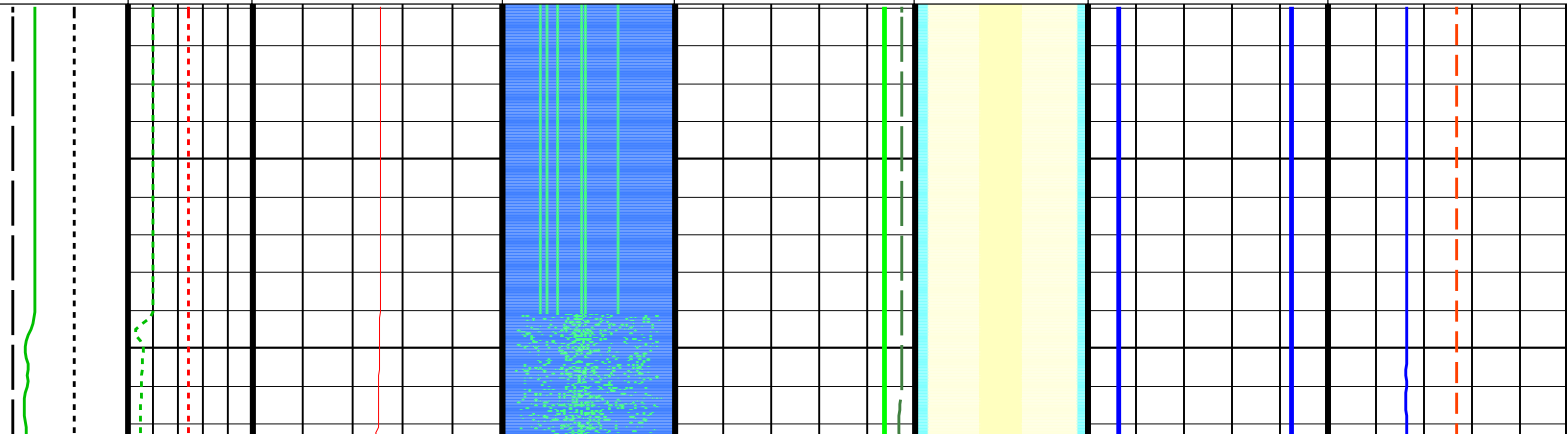
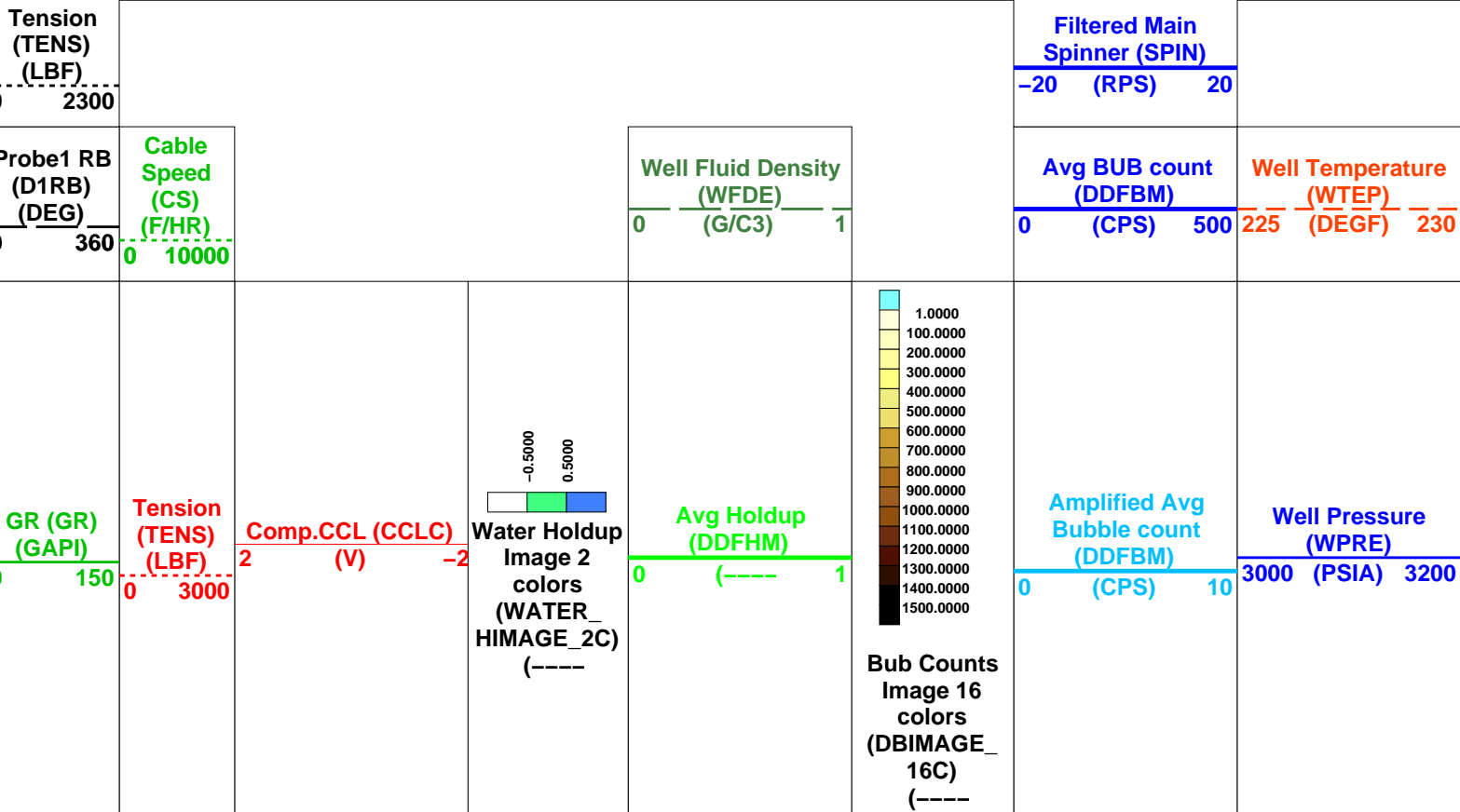
## Output DLIS Files

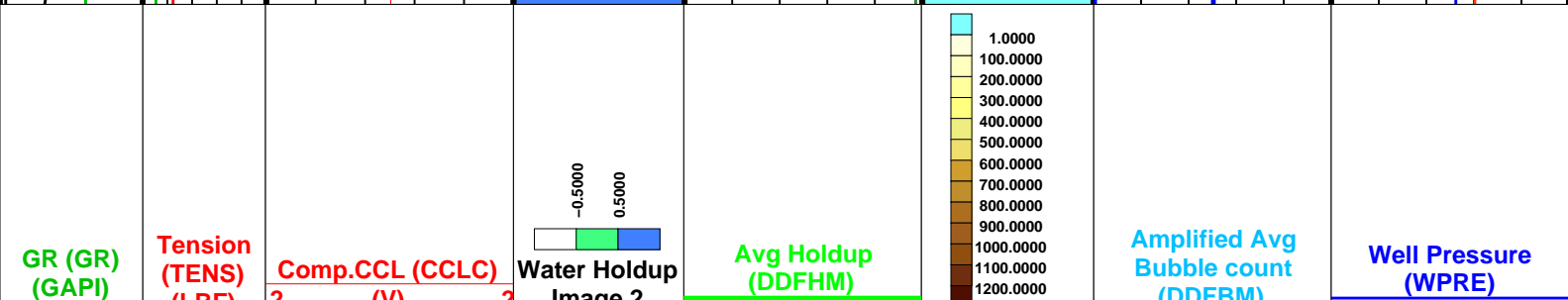
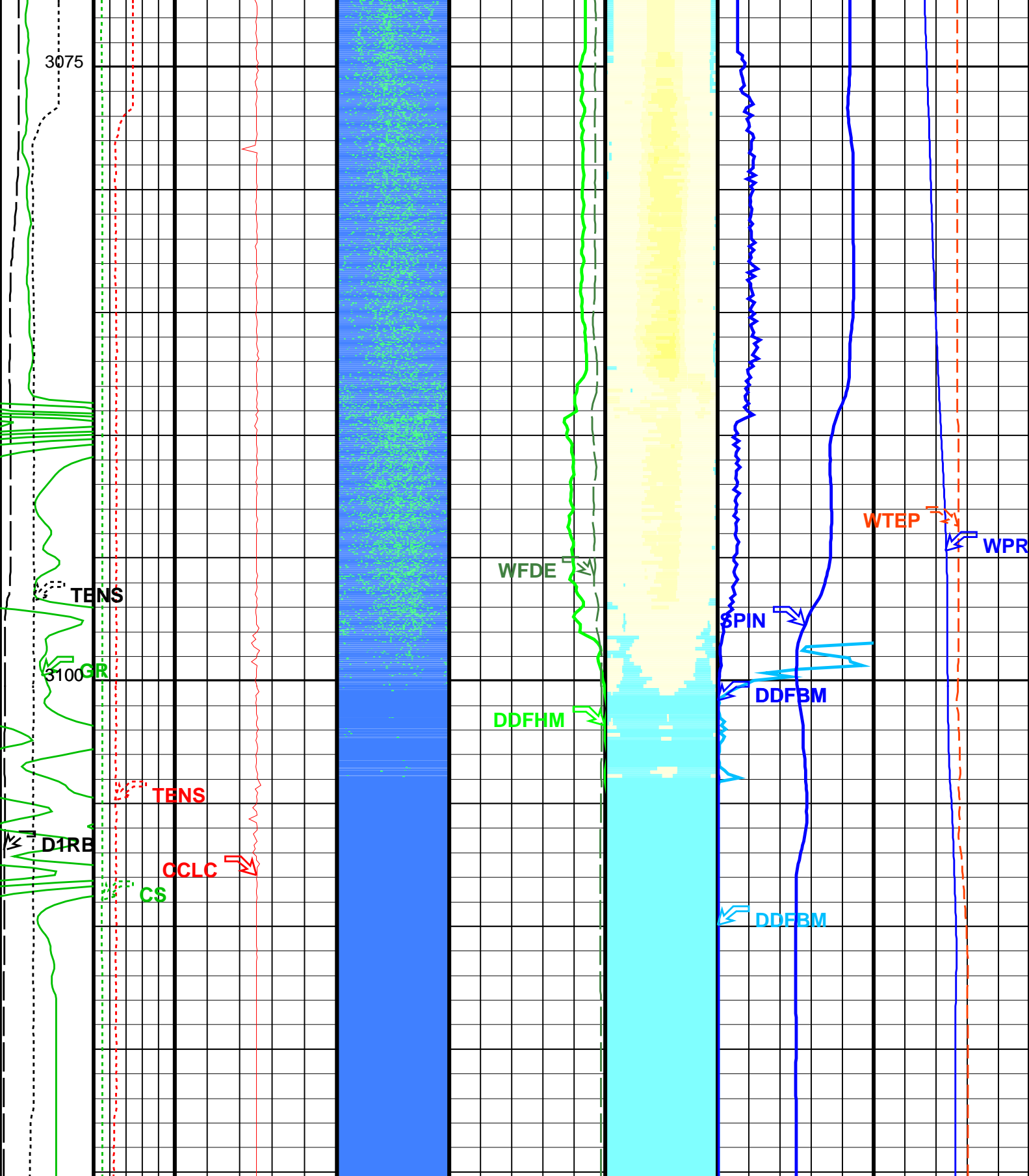
DEFAULT	DEFT_108PUP	FN:123	PRODUCER	14-Jun-2006 13:56	3120.2 M	3060.8 M
CUSTOMER	DEFT_108PUC	FN:124	CUSTOMER	14-Jun-2006 13:56	3120.2 M	3060.8 M

# OP System Version: 14C0-302

MCM

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







0 150 0 3000	(LBF) (V) (F/HR)	Image 2 colors (WATER_HIMAGE_2C) (----	0 (---- 1	1300.0000 1400.0000 1500.0000	0 (CPS) 10	3000 (PSIA) 3200
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)		Well Fluid Density (WFDE) (G/C3)	Bub Counts Image 16 colors (DBIMAGE_16C) (----	Avg BUB count (DDFBM) (CPS)	Well Temperature (WTEP) (DEGF)
0 360	0 10000		0 1		0 500	225 230
Tension (TENS) (LBF)					Filtered Main Spinner (SPIN) (RPS)	
0 2300					-20 20	

Format: DEFT_Image_DL		Vertical Scale: 1:200		Graphics File Created: 14-Jun-2006 13:56	
OP System Version: 14C0-302					
MCM					
PFCS-A	14C0-302	DEFT-C2	14C0-302		
PILS-A	14C0-302	PGMC-A/B	14C0-302		
PSPT-A/B	14C0-302				

Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPD	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
DO	Depth Offset for Playback	-2.2	M
PP	Playback Processing	NORMAL	

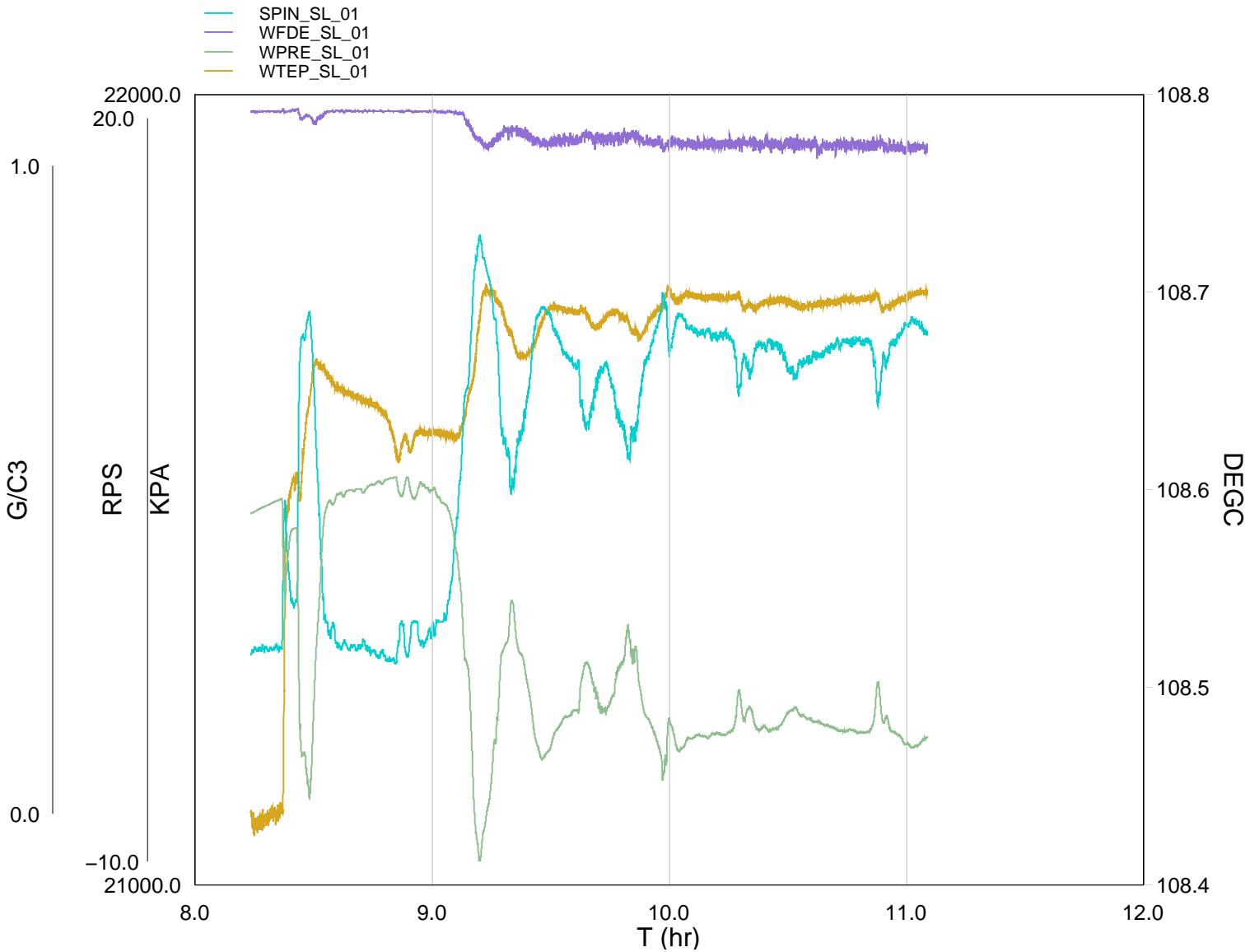
Input DLIS Files					
DEFAULT	Flip_DEFT_094LUP	PRODUCER	14-Jun-2006 12:51	3122.4 M	3070.7 M

Output DLIS Files					
-------------------	--	--	--	--	--



Draw Down @ 3088m MDKB

MAXIS Field Log



TIME	SPIN_SL	DFHM_SL	WFDE_SL	WTEP_SL	WPRE_SL
2550.0	-0.9657	0.9897	0.9786	227.1807	3114.3183
2700.0	-1.1670	1.0000	0.9792	227.1798	3115.2286
2850.0	-0.9759	0.9900	0.9793	227.1875	3116.0990
3000.0	4.0786	0.9920	0.9786	227.3097	3100.7784
3150.0	0.6056	0.9999	0.9805	227.4911	3111.2386
3300.0	10.7349	0.9585	0.9718	227.5197	3070.0963



3450.0	8.9446	0.9547	0.9637	227.5915	3079.5175
3600.0	0.4917	0.9920	0.9750	227.5941	3112.4780
3750.0	-0.1611	1.0000	0.9782	227.5764	3115.7814
3900.0	-0.8511	1.0000	0.9789	227.5661	3116.9645
4050.0	-0.9229	1.0000	0.9788	227.5648	3118.0175
4200.0	-0.6950	0.9983	0.9783	227.5604	3117.6919
4350.0	-1.1207	1.0000	0.9798	227.5578	3119.1732
4500.0	-1.1490	1.0000	0.9788	227.5513	3119.5136
4650.0	-1.4101	1.0000	0.9789	227.5276	3120.5133
4800.0	-0.1272	1.0000	0.9783	227.5246	3117.4781
4950.0	-0.0436	0.9981	0.9789	227.5240	3116.8737
5100.0	-0.7689	0.9999	0.9797	227.5318	3119.0805
5250.0	-0.1520	0.9999	0.9787	227.5329	3118.1846
5400.0	0.0000	0.9968	0.9782	227.5304	3115.8936
5550.0	1.6795	0.9972	0.9775	227.5293	3111.9573
5700.0	6.5984	0.9910	0.9757	227.5368	3096.3111
5850.0	11.5774	0.9254	0.9562	227.5764	3070.6483
6000.0	14.1723	0.8993	0.9382	227.6535	3053.1400
6150.0	12.4032	0.8890	0.9403	227.6608	3066.0309
6300.0	7.1168	0.9495	0.9489	227.6464	3088.1905
6450.0	4.9891	0.9375	0.9486	227.6248	3098.0734
6600.0	7.2813	0.9353	0.9483	227.6026	3088.1496
6750.0	9.9003	0.9045	0.9458	227.6082	3078.4488
6900.0	11.8992	0.8931	0.9385	227.6324	3069.1705
7050.0	11.5046	0.8893	0.9396	227.6461	3071.3928
7200.0	10.5502	0.8980	0.9361	227.6437	3075.4383
7350.0	9.8976	0.8987	0.9460	227.6420	3077.0168
7500.0	8.2166	0.8992	0.9415	227.6468	3082.6778
7650.0	7.8389	0.9180	0.9521	227.6334	3084.8457
7800.0	9.7130	0.9071	0.9435	227.6296	3077.2910
7950.0	9.1985	0.9120	0.9424	227.6390	3079.3311
8100.0	7.4726	0.9069	0.9420	227.6369	3086.0794
8250.0	6.3435	0.9266	0.9458	227.6261	3090.5094
8400.0	8.5441	0.8863	0.9491	227.6193	3081.9508
8550.0	10.1771	0.8768	0.9402	227.6347	3075.7123
8700.0	11.6542	0.8907	0.9483	227.6439	3070.4888
8850.0	10.2175	0.8731	0.9415	227.6625	3076.0454
9000.0	11.6432	0.8849	0.9351	227.6529	3070.3324
9150.0	11.1553	0.8835	0.9369	227.6567	3072.8288
9300.0	10.9268	0.8759	0.9394	227.6558	3073.3238
9450.0	10.9954	0.8872	0.9390	227.6540	3072.9869
9600.0	10.7636	0.8805	0.9346	227.6550	3073.7125
9750.0	10.8280	0.8735	0.9364	227.6584	3073.7936
9900.0	8.6241	0.8968	0.9436	227.6577	3081.6488
10050.0	9.5813	0.8964	0.9383	227.6484	3078.3351
10200.0	10.5505	0.8781	0.9294	227.6481	3074.2926
10350.0	10.6216	0.8907	0.9412	227.6505	3074.0726
10500.0	10.2669	0.8837	0.9405	227.6521	3074.8663
10650.0	9.6222	0.8712	0.9378	227.6494	3077.4464
10800.0	9.6548	0.8863	0.9394	227.6474	3077.4482
10950.0	10.0317	0.8655	0.9344	227.6496	3076.2272
11100.0	10.1905	0.8840	0.9345	227.6525	3075.7723
11250.0	10.2535	0.8825	0.9340	227.6496	3074.9745
11400.0	10.7417	0.8744	0.9341	227.6516	3074.1684
11550.0	10.6167	0.8514	0.9368	227.6537	3074.1862
11700.0	10.6967	0.8739	0.9347	227.6533	3073.8023
11850.0	10.6372	0.8770	0.9356	227.6552	3073.8848
12000.0	8.4814	0.8475	0.9376	227.6571	3082.4292
12150.0	9.8894	0.8958	0.9284	227.6471	3076.6671
12300.0	10.7363	0.8570	0.9295	227.6519	3073.5008
12450.0	11.2509	0.8488	0.9341	227.6543	3071.8233

12600.0	11.2730	0.8658	0.9332	227.6586	3071.3661
12750.0	11.0174	0.8813	0.9320	227.6633	3072.8319

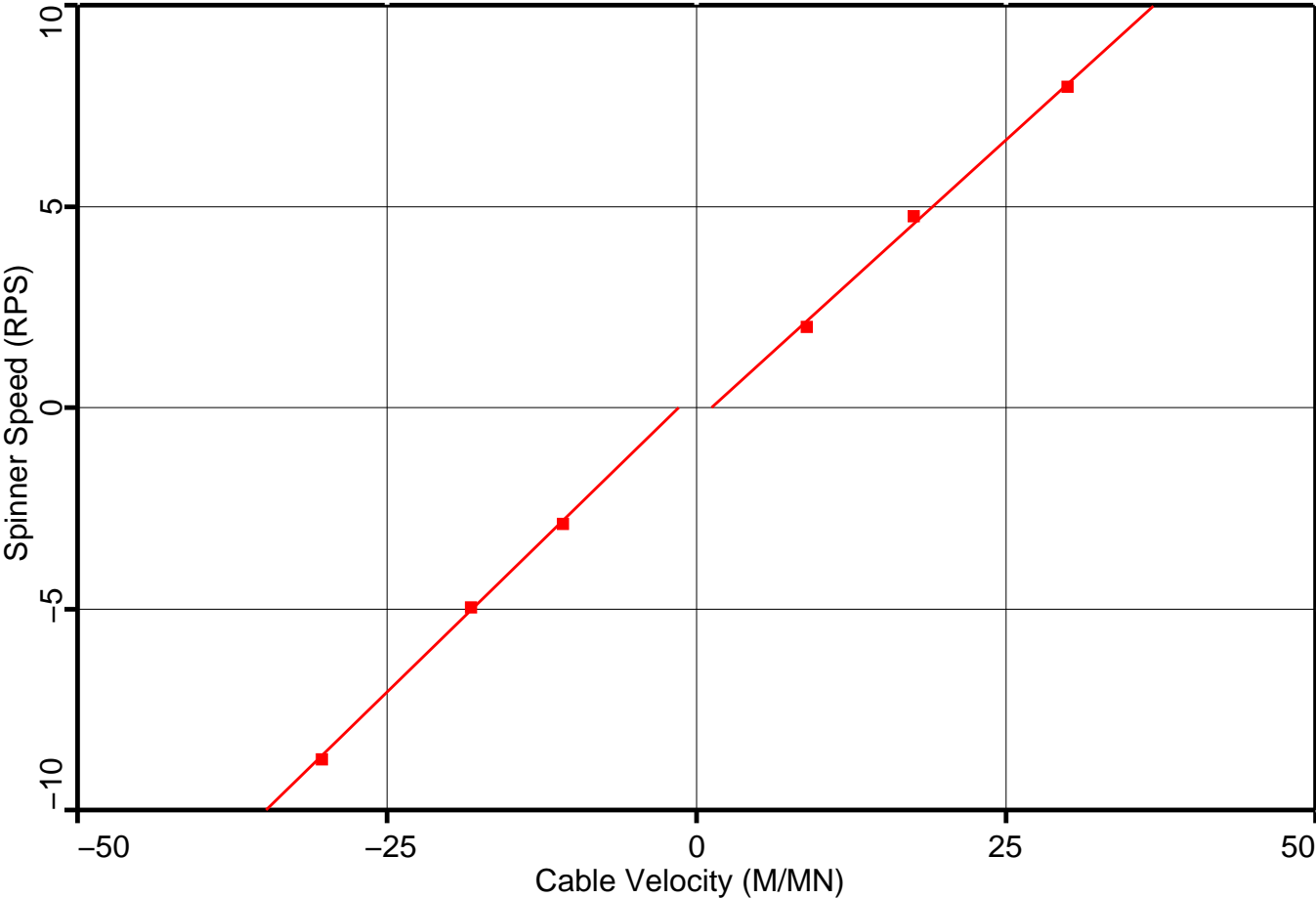


Calibration Plot

MAXIS Field Log

Production Logging Quicklook Spinner Calibration

	Zone Depth (M)	Fluid Vel. (M/MN)	Positive Spinner			Negative Spinner		
			Slope (RSMM)	Intercept (M/MN)	Correl.	Slope (RSMM)	Intercept (M/MN)	Correl.
■ Zone 1	3086.0 – 3076.0 :	–1.5	0.2806	1.3	0.998	0.2999	–1.4	0.999





Shut In Pass  
Up @ 30m / min

MAXIS Field Log

Input DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_022LUP FN:21 PRODUCER 13-Jun-2006 15:16 3123.4 M 3073.3 M

Output DLIS Files

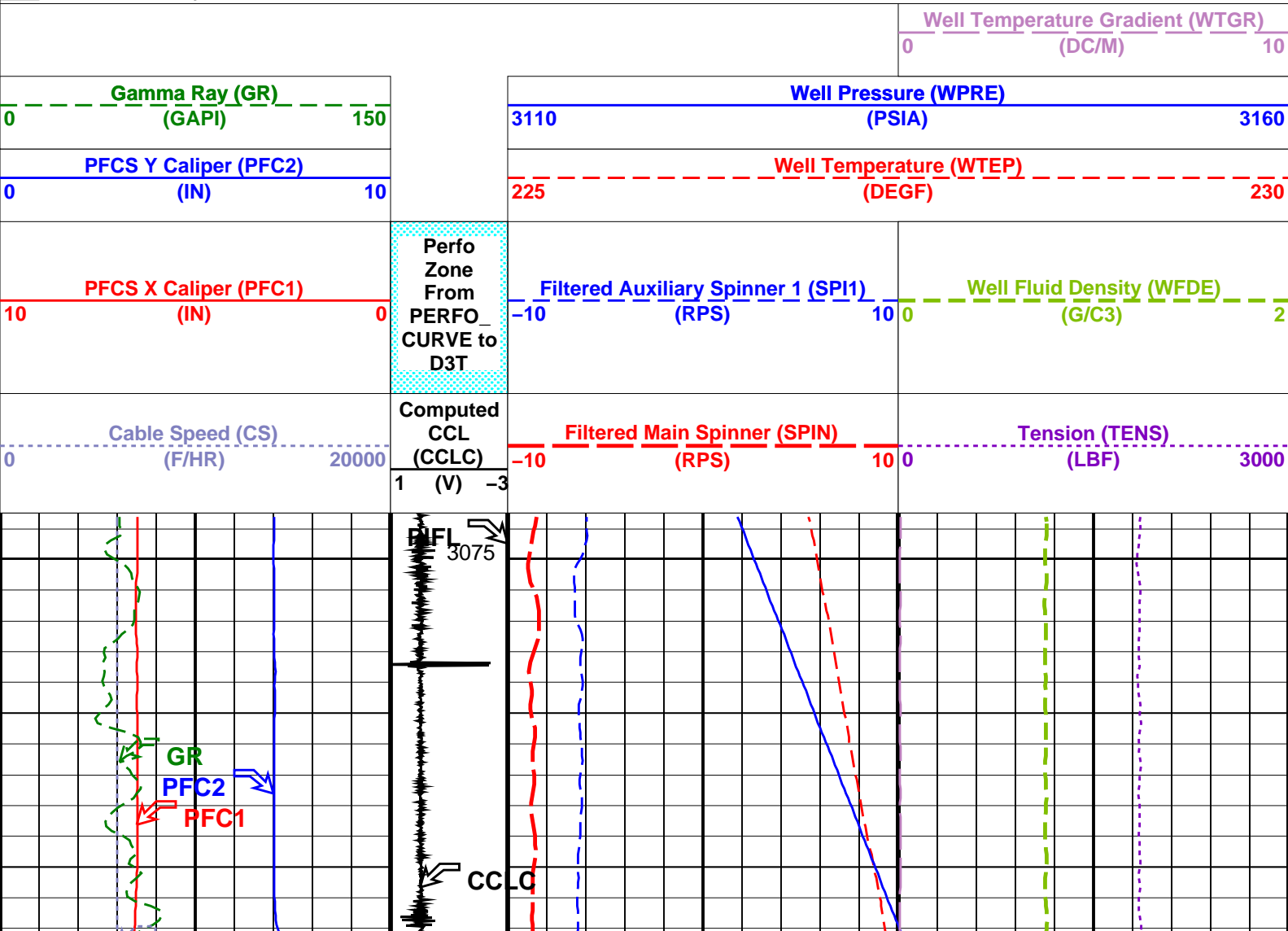
DEFAULT FCS\_DEFT\_ILS\_GMS\_027PUP FN:26 PRODUCER 13-Jun-2006 16:42 3123.1 M 3073.5 M

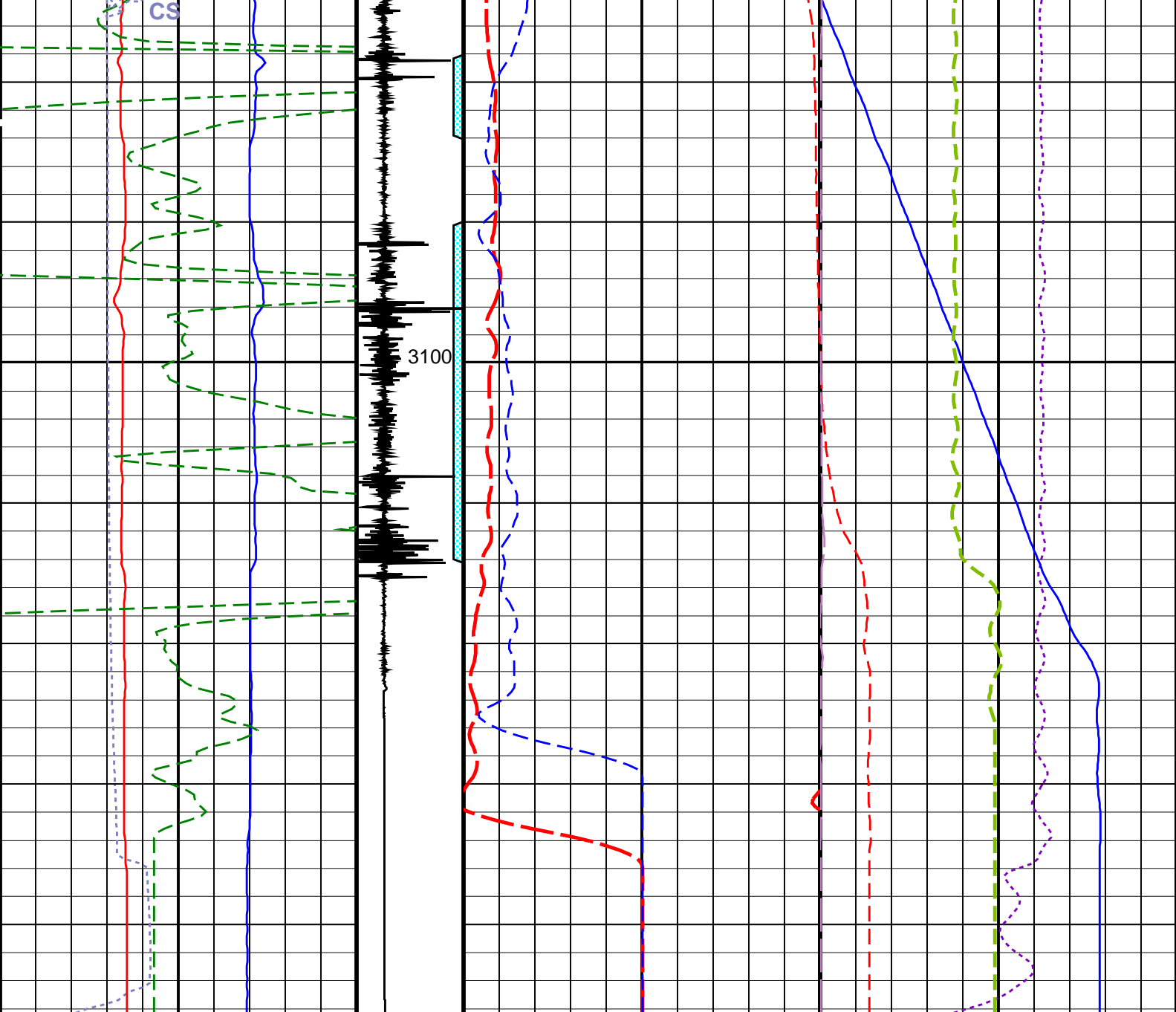
OP System Version: 14C0-302  
MCM

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

PIP SUMMARY

Time Mark Every 60 S





Cable Speed (CS) (F/HR)		20000
PFCS X Caliper (PFC1) (IN)		10
PFCS Y Caliper (PFC2) (IN)		10
Gamma Ray (GR) (GAPI)		150
Computed CCL (CCLC) (V)		1 -3
Perfo Zone From PERFO CURVE to D3T		
Filtered Main Spinner (SPIN) (RPS)		-10 10
Tension (TENS) (LBF)		0 3000
Filtered Auxiliary Spinner 1 (SP11) (RPS)		-10 10
Well Fluid Density (WFDE) (G/C3)		0 2
Well Temperature (WTEMP) (DEGF)		225 230
Well Pressure (WPRE) (PSIA)		3110 3160
Well Temperature Gradient (WTGR) (DC/M)		0 10

PIP SUMMARY

OP System Version: 14C0-302

MCM

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

Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-0.3 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_022LUP	FN:21	PRODUCER	13-Jun-2006 15:16	3123.4 M	3073.3 M
---------	-------------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_027PUP	FN:26	PRODUCER	13-Jun-2006 16:42		
---------	-------------------------	-------	----------	-------------------	--	--

Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_022LUP	FN:21	PRODUCER	13-Jun-2006 15:16	3123.4 M	3073.3 M
---------	-------------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

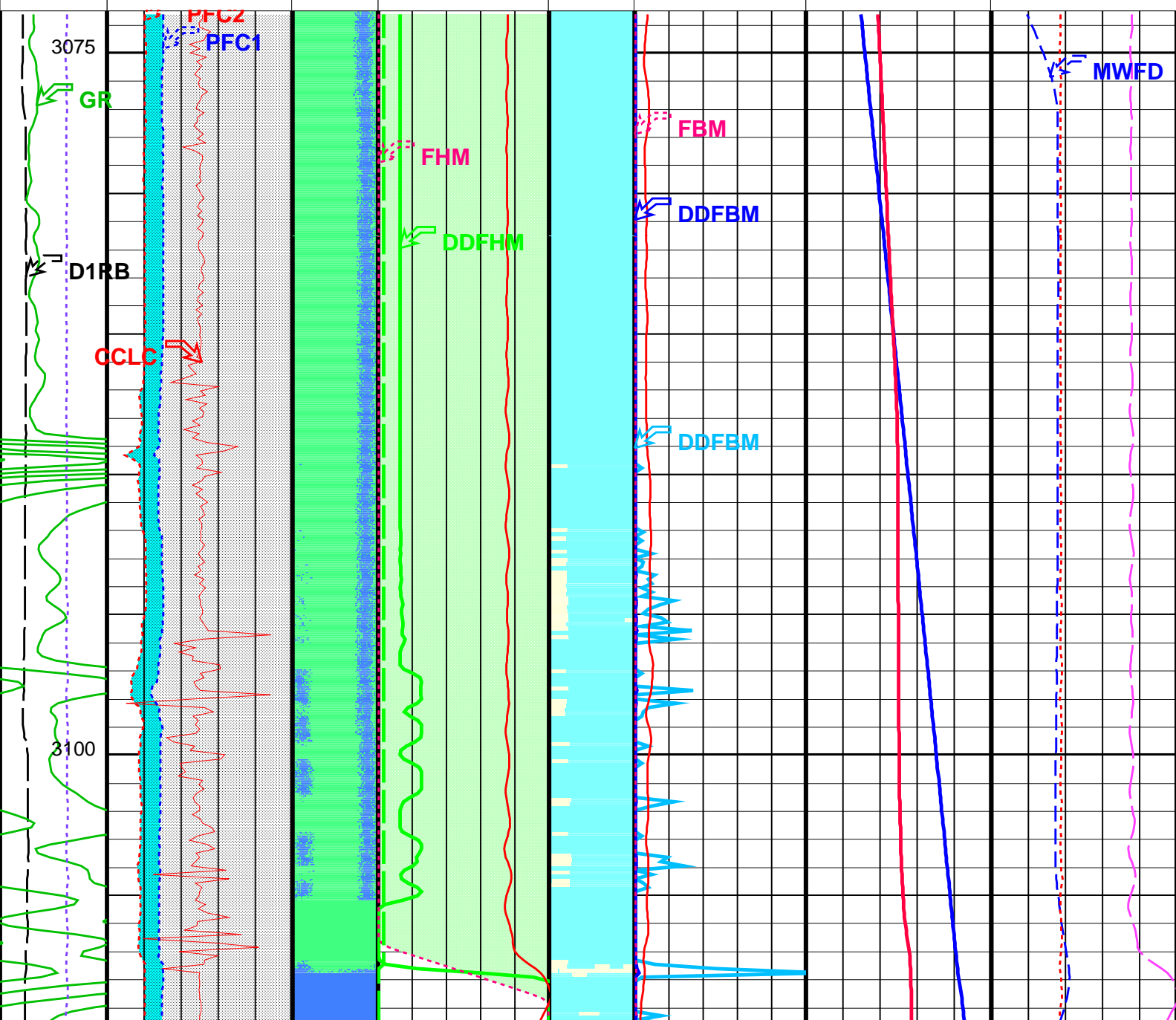
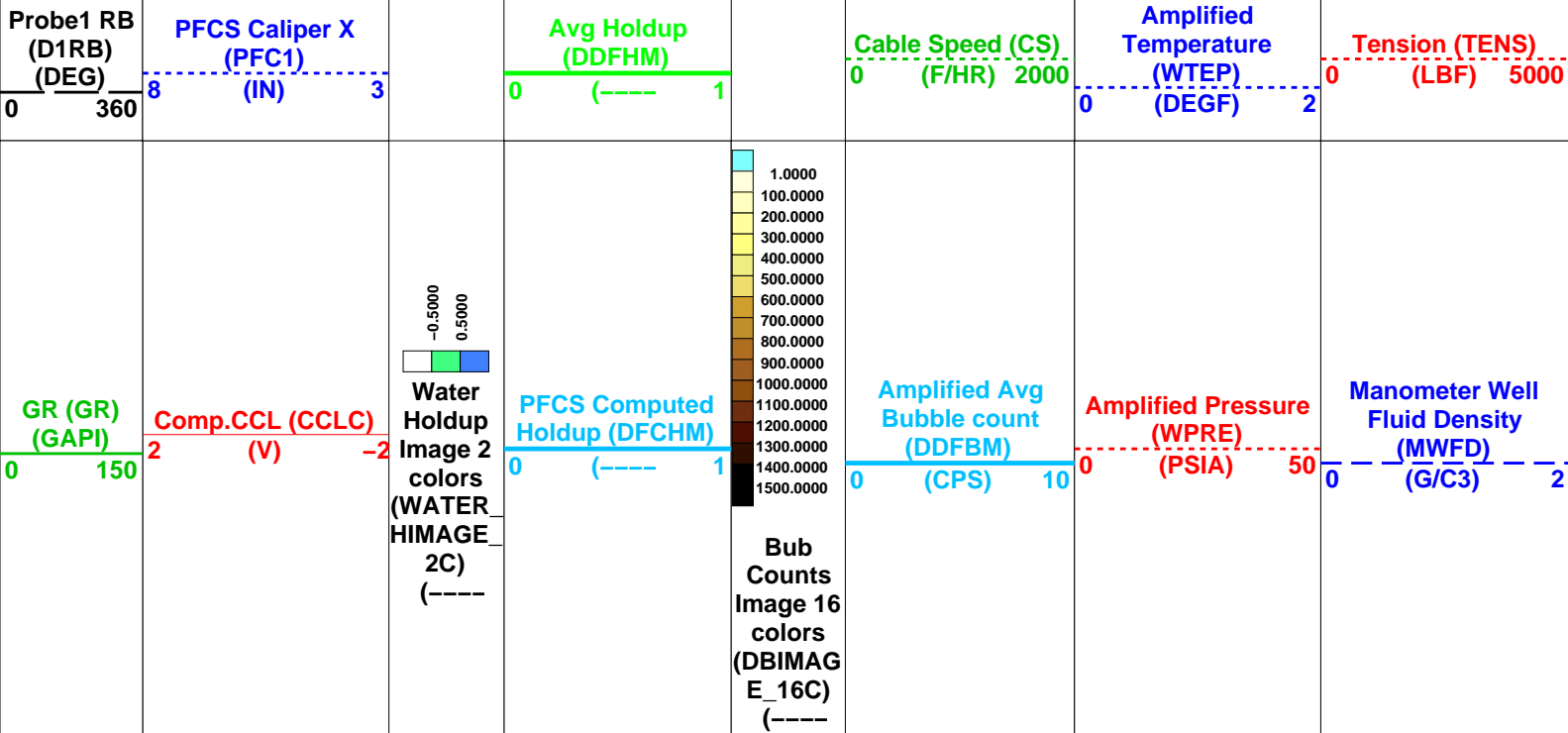
DEFAULT	FCS_DEFT_ILS_GMS_027PUP	FN:26	PRODUCER	13-Jun-2006 16:42	3123.1 M	3073.5 M
---------	-------------------------	-------	----------	-------------------	----------	----------

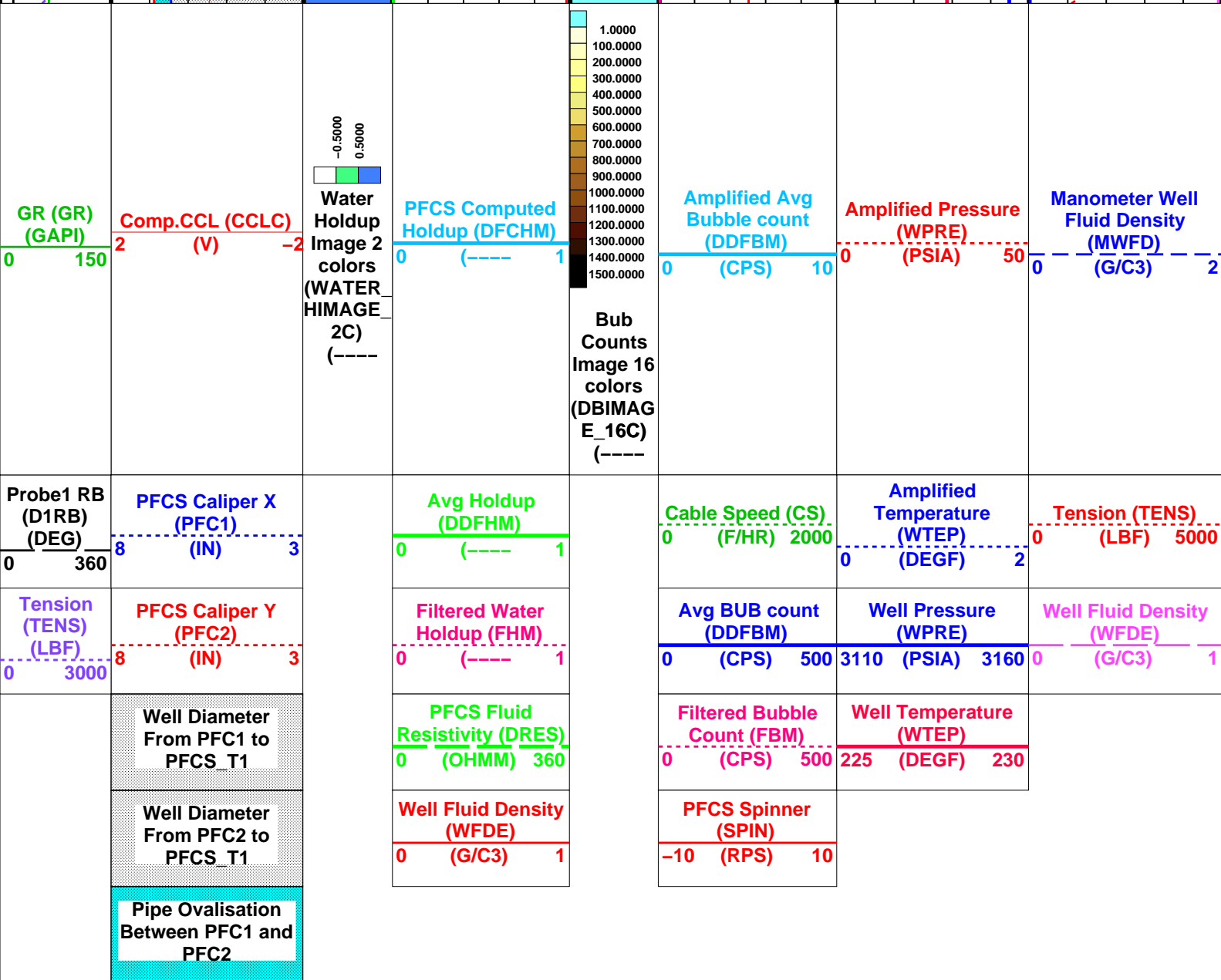
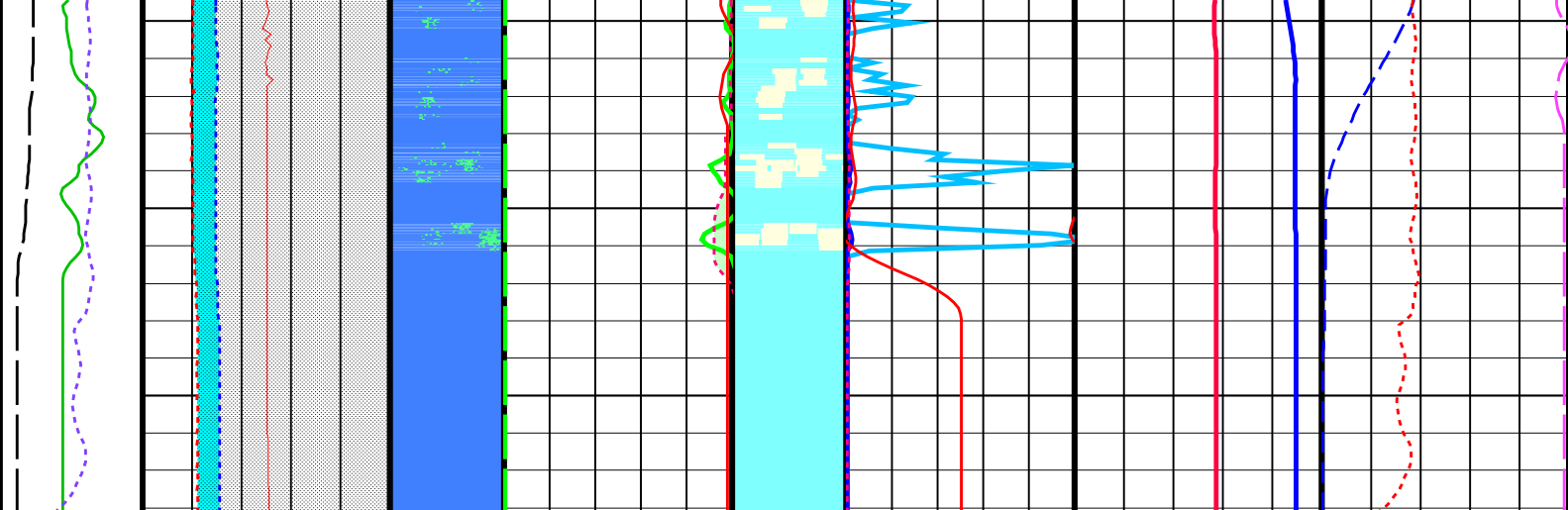
OP System Version: 14C0-302

MCM

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

	Pipe Ovalisation Between PFC1 and PFC2								
	Well Diameter From PFC2 to PFC2_T1	Well Fluid Density (WFDE) 0 (G/C3) 1		PFCS Spinner (SPIN) -10 (RPS) 10					
	Well Diameter From PFC1 to PFC2_T1	PFCS Fluid Resistivity (DRES) 0 (OHMM) 360		Filtered Bubble Count (FBM) 0 (CPS) 500	Well Temperature (WTEP) 225 (DEGF) 230				
Tension (TENS) (LBF) 0 3000	PFCS Caliper Y (PFC2) 8 (IN) 3	Filtered Water Holdup (FHM) 0 (----) 1		Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 3110 (PSIA) 3160	Well Fluid Density (WFDE) 0 (G/C3) 1			





Format: PFCS\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 13-Jun-2006 16:42

## OP System Version: 14C0-302

MCM

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

## Parameters



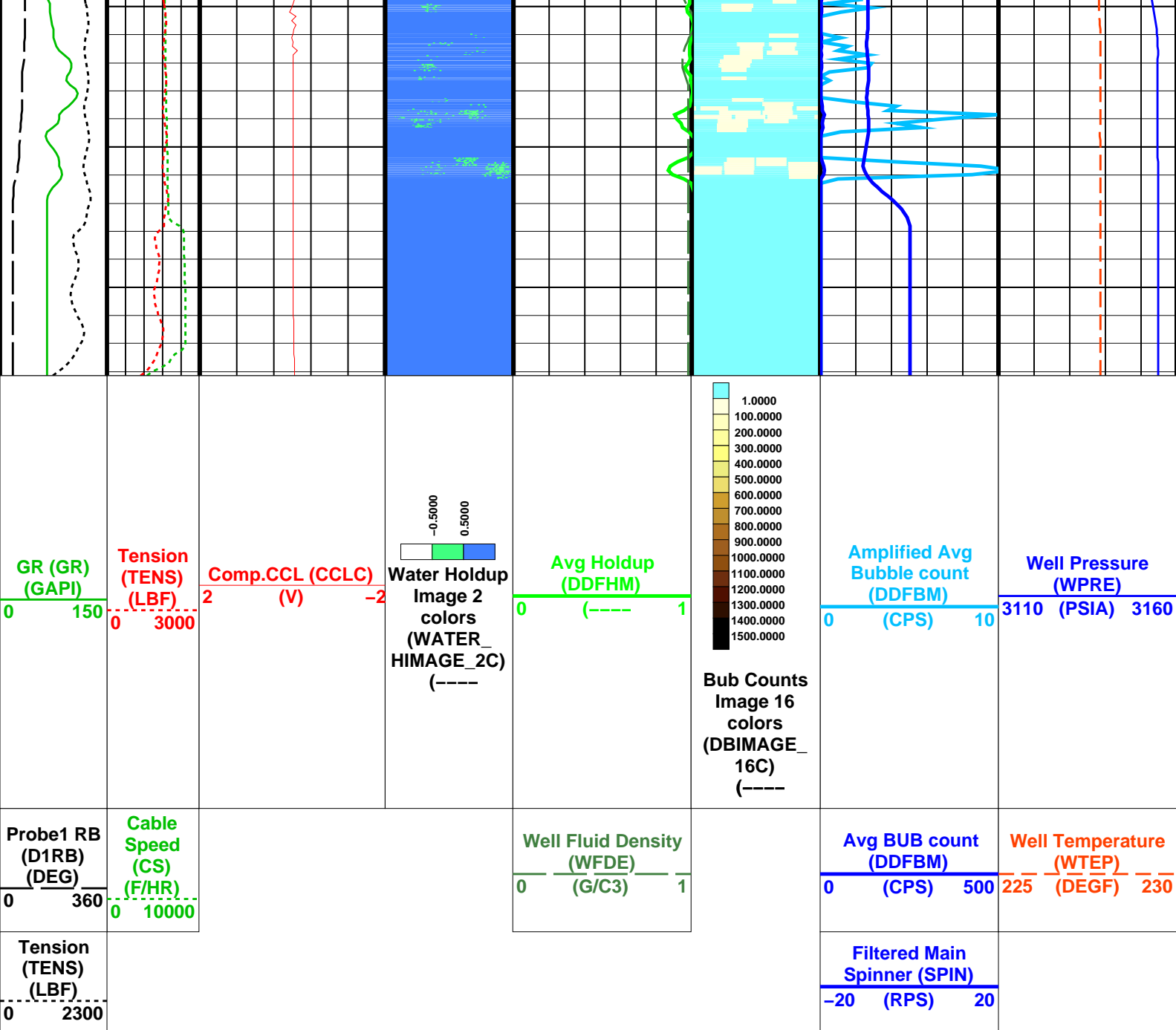
DLIS Name		Description	Value	
PFCS–A: PSP Flow and caliper Tool				
AMOD		Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID		Casing Size I.D.	6.875	IN
DDRC		Dual DEFT DELTA RB COMPUTATION	D1RB2–D1RB	
DDRS		Dual DEFT RB Source	D1RB	
DFBD		DEFT Blank Disallowed Probes	NO	
DFFI		DEFT Flip Image	NO	
DFII		DEFT Image Interpolation	YES	
DFIRS		DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP		Probes Arm Position	C	
GDEV		Average Angular Deviation of Borehole from Normal	40	DEG
PFGC		PFCS Geometrical coefficient	1200	
PFRE1		Downhole Resistor Probe 1	3000	OHMS
PFRE2		Downhole Resistor Probe 2	3000	OHMS
PFRE3		Downhole Resistor Probe 3	3000	OHMS
PFRE4		Downhole Resistor Probe 4	3000	OHMS
SDCF		Spinner Depth Constant Filter	6	
SPIN		Main Spinner Flowmeter Sonde	PFCS–A_3.5	
DEFT–C2: DEFT_C Tool				
CSID		Casing Size I.D.	6.875	IN
DDRC		Dual DEFT DELTA RB COMPUTATION	D1RB2–D1RB	
DDRS		Dual DEFT RB Source	D1RB	
DFBD		DEFT Blank Disallowed Probes	NO	
DFFI		DEFT Flip Image	NO	
DFII		DEFT Image Interpolation	YES	
DFIRS		DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP2		Probes Arm Position (2nd tool)	D	
PFGC		PFCS Geometrical coefficient	1200	
PILS–A: PSP In Line Spinner Flowmeter				
AMOD		Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF		Spinner Depth Constant Filter	6	
SPIN		Main Spinner Flowmeter Sonde	PFCS–A_3.5	
PGMC–A/B: PSP Gradiomanometer Measurement Module				
CSID		Casing Size I.D.	6.875	IN
GCPG		Gradio Surf.Cal Diff.Pres Gain	1	
GCPD		Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH		Gradio Correction Density Shift	0	G/C3
PSPT–A/B: Production Services Logging Platform				
CSID		Casing Size I.D.	6.875	IN
GDEV		Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)				
CSID		Casing Size I.D.	6.875	IN
System and Miscellaneous				
CSIZ		Current Casing Size	7.625	IN
DO		Depth Offset for Playback	–0.3	M
PP		Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_022LUP	FN:21	PRODUCER	13–Jun–2006 15:16	3123.4 M	3073.3 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_027PUP	FN:26	PRODUCER	13–Jun–2006 16:42		

Input DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_022LUP	FN:21	PRODUCER	13–Jun–2006 15:16	3123.4 M	3073.3 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_027PUP	FN:26	PRODUCER	13–Jun–2006 16:42	3123.1 M	3073.5 M
OP System Version: 14C0–302						
MCM						
PFCS–A	14C0–302		DEFT–C2	14C0–302		
PILS–A	14C0–302		PGMC–A/B	14C0–302		
PSPT–A/B	14C0–302					

Tension (TENS) (LBF)				Filtered Main Spinner (SPIN)		
0-----2300				–20 (RPS) 20		





Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 13-Jun-2006 16:42

**OP System Version: 14C0-302**  
MCM


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

**Parameters**

DLIS Name	Description	Value
PFCS-A:	PSP Flow and caliper Tool	
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5

DEFT-C2: DEFT_C 1001	Casing Size I.D.	6.875	IN
CSID	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRC	Dual DEFT RB Source	D1RB	
DDRS	DEFT Blank Disallowed Probes	NO	
DFBD	DEFT Flip Image	NO	
DFFI	DEFT Image Interpolation	YES	
DFII	DEFT Image Rotation Selection	TOP_MIDDLE	
DFIRS	Spinner Flowmeter		
PILS-A: PSP In Line	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
AMOD	Spinner Depth Constant Filter	6	
SDCF	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
SPIN	PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
DO	Depth Offset for Playback	-0.3	M
PP	Playback Processing	NORMAL	

Input DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_022LUP	FN:21	PRODUCER	13-Jun-2006 15:16	3123.4 M	3073.3 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_027PUP	FN:26	PRODUCER	13-Jun-2006 16:42		



Shut In Pass

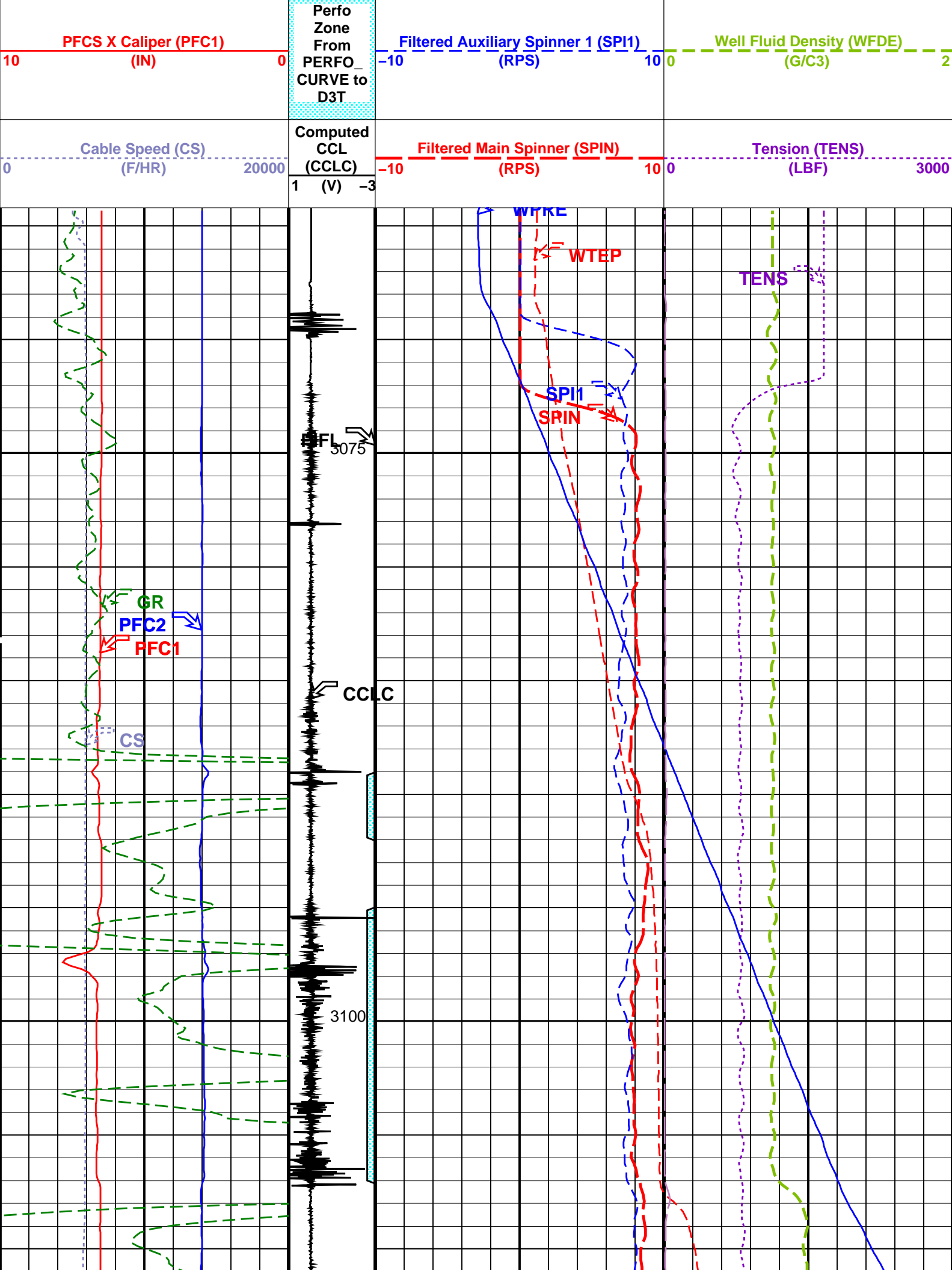
Down @ 30m / min

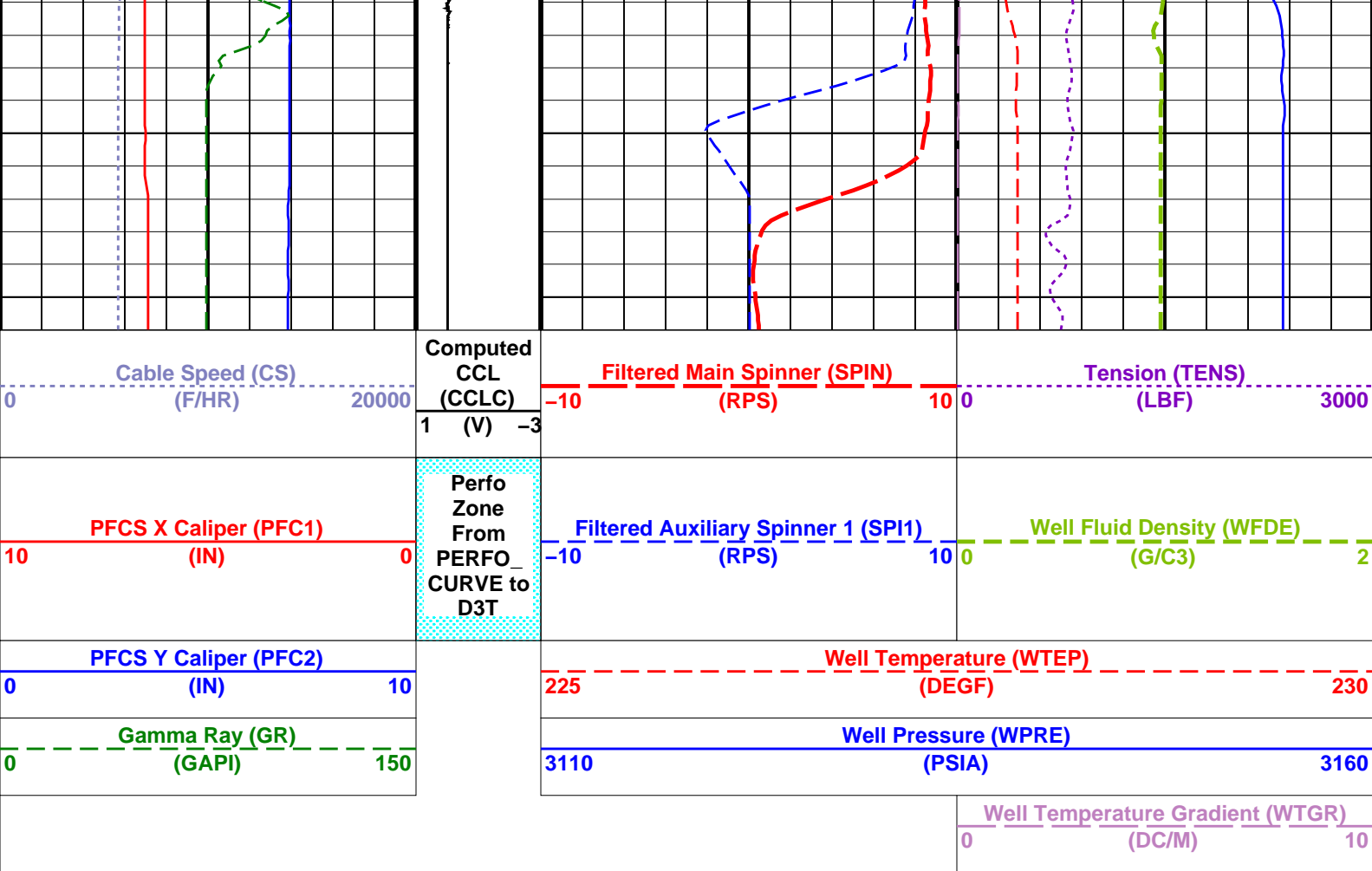
MAXIS Field Log

Input DLIS Files						
DEFAULT	Flip_FCS_DEFT_ILS_031LUP		PRODUCER	13-Jun-2006 16:45	3123.6 M	3066.3 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_035PUP	FN:31	PRODUCER	13-Jun-2006 16:53	3121.0 M	3064.2 M

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

PIP SUMMARY									
<div><div></div><div>Time Mark Every 60 S</div></div>									
							Well Temperature Gradient (WTGR)		
							0 (DC/M) 10		
Gamma Ray (GR) (GAPI)					Well Pressure (WPRE)				
0 150					3110 (PSIA) 3160				
PFCS Y Caliper (PFC2)					Well Temperature (WTEP)				
0 (IN) 10					225 (DEGF) 230				





#### PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 13-Jun-2006 16:53

### OP System Version: 14C0-302

MCM

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

### Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-2.6 M
PP	Playback Processing	NORMAL

### Input DLIS Files

DEFAULT	Flip_FCS_DEFT_ILS_031LUP	PRODUCER	13-Jun-2006 16:45	3123.6 M	3066.3 M
---------	--------------------------	----------	-------------------	----------	----------

# Output DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_035PUP FN:31 PRODUCER 13-Jun-2006 16:53

## Input DLIS Files

DEFAULT Flip\_FCS\_DEFT\_ILS\_031LUP PRODUCER 13-Jun-2006 16:45 3123.6 M 3066.3 M

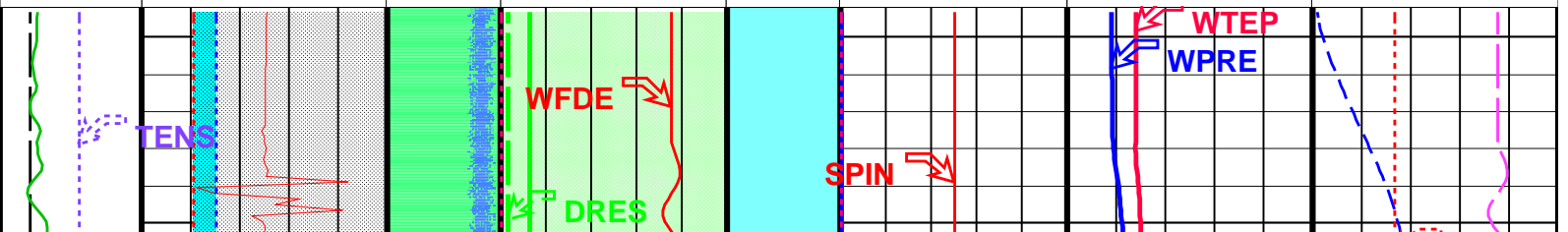
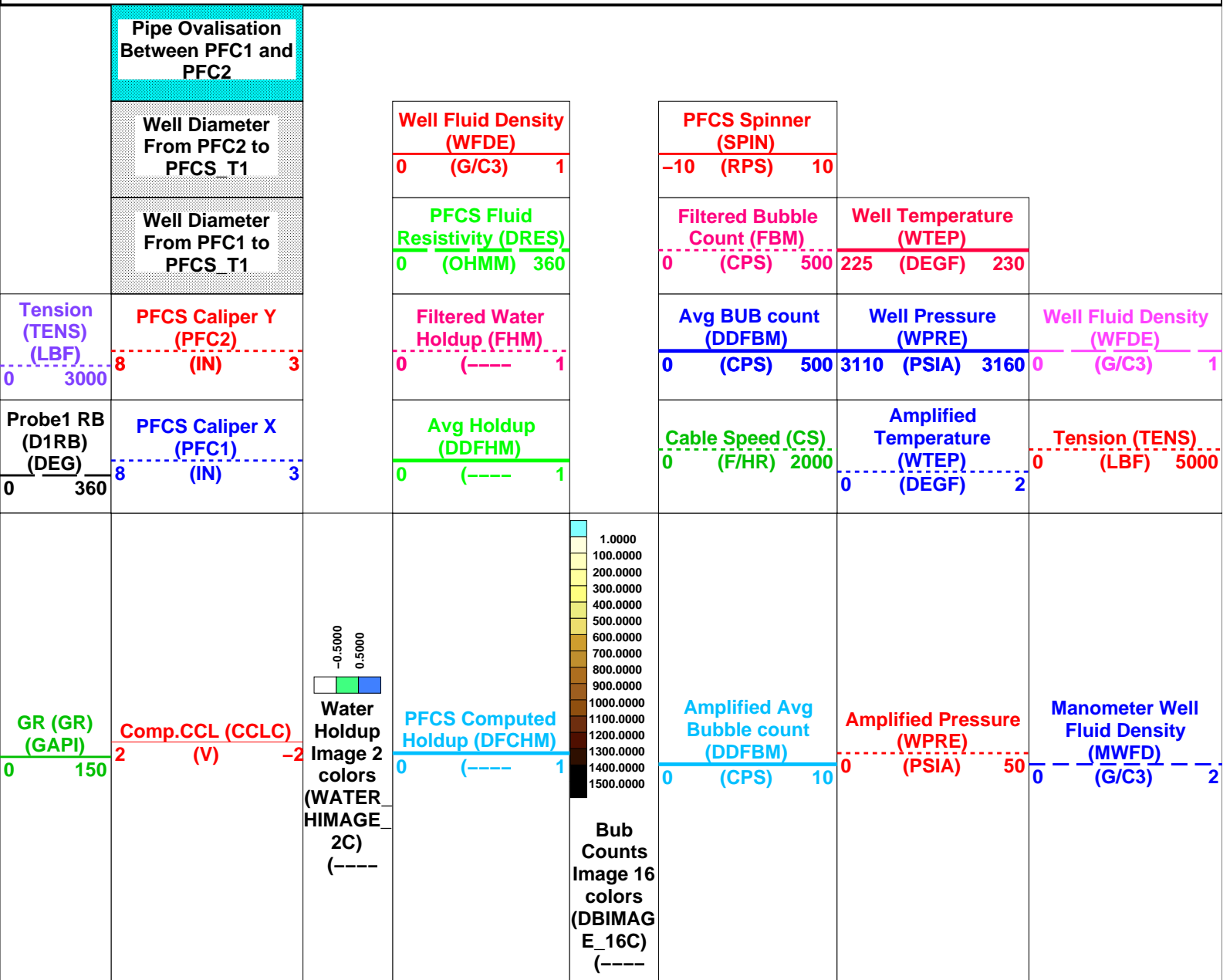
## Output DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_035PUP FN:31 PRODUCER 13-Jun-2006 16:53 3121.0 M 3064.2 M

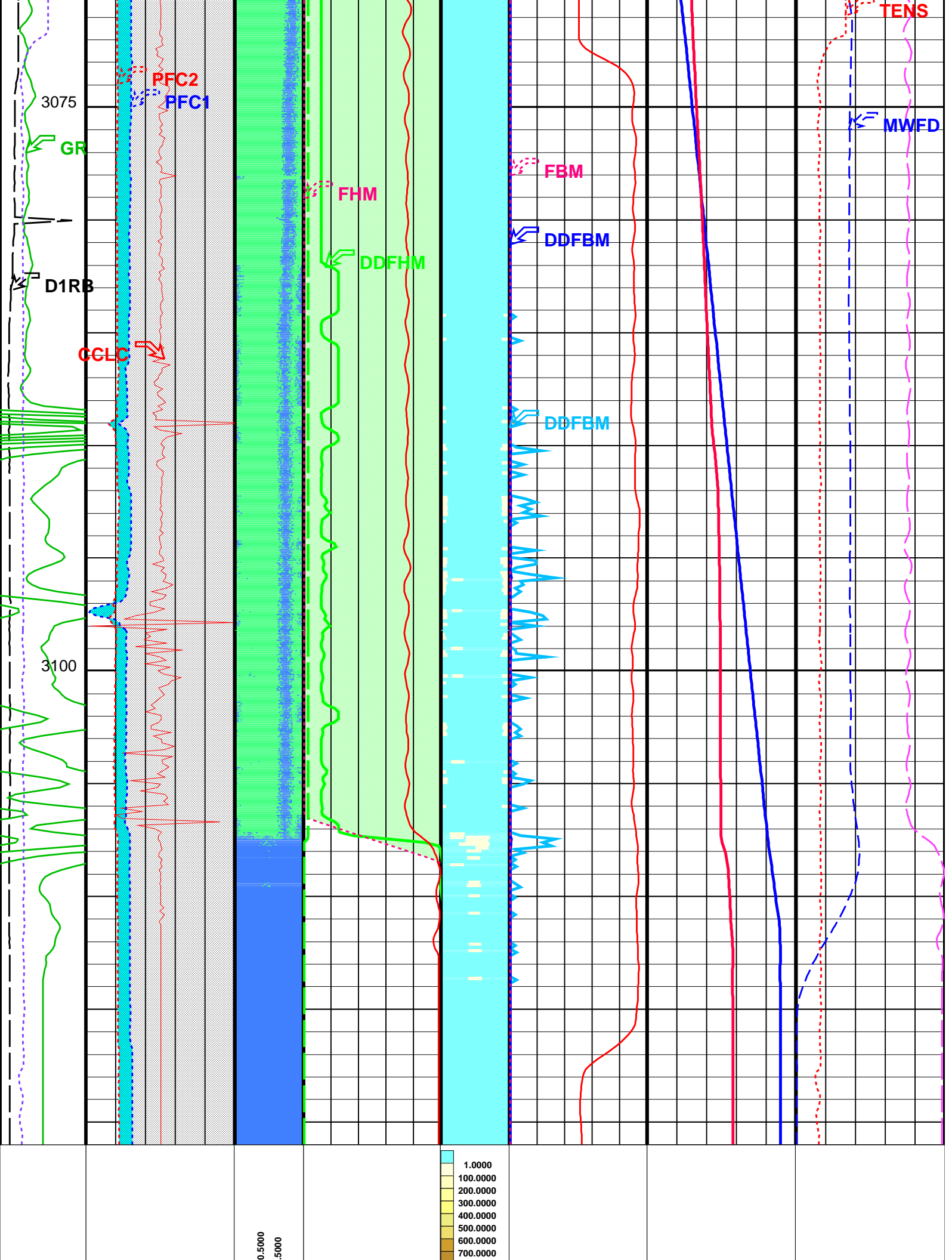
## OP System Version: 14C0-302

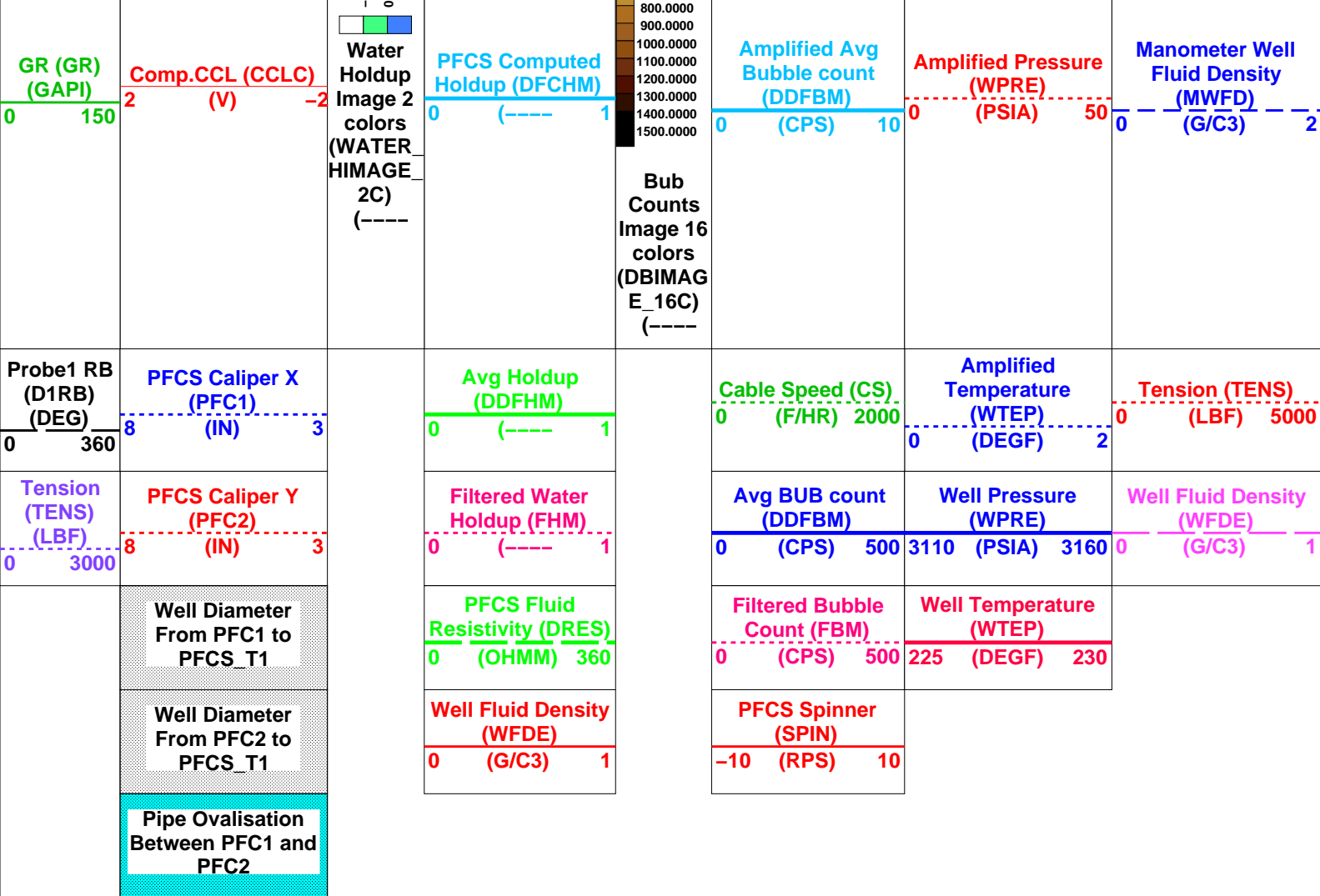
MCM

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









Format: PFCS\_Image\_DL    Vertical Scale: 1:200    Graphics File Created: 13-Jun-2006 16:53

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

Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	

DFPP2	Probes Arm Position (2nd tool)	D	
PFGC	PFCS Geometrical coefficient	1200	
	PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
	PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
	PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
	BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875	IN
	System and Miscellaneous		
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-2.6	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT
 Flip\_FCS\_DEFT\_ILS\_031LUP
 PRODUCER
 13-Jun-2006 16:45
 3123.6 M
 3066.3 M

Output DLIS Files

DEFAULT
 FCS\_DEFT\_ILS\_GMS\_035PUP
 FN:31
 PRODUCER
 13-Jun-2006 16:53

Input DLIS Files

DEFAULT
 Flip\_FCS\_DEFT\_ILS\_031LUP
 PRODUCER
 13-Jun-2006 16:45
 3123.6 M
 3066.3 M

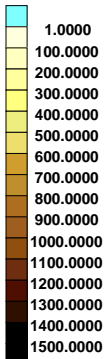
Output DLIS Files

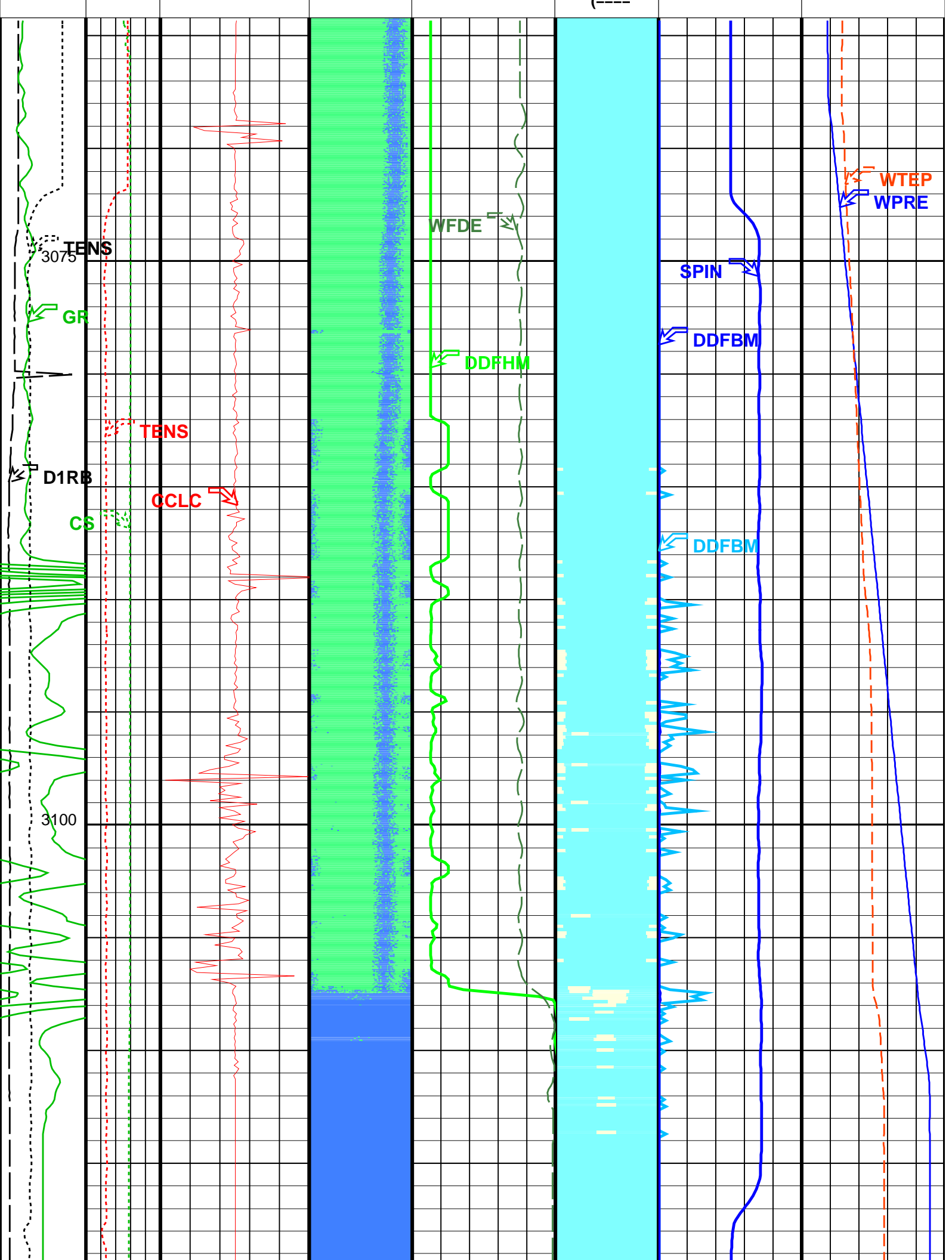
DEFAULT
 FCS\_DEFT\_ILS\_GMS\_035PUP
 FN:31
 PRODUCER
 13-Jun-2006 16:53
 3121.0 M
 3064.2 M

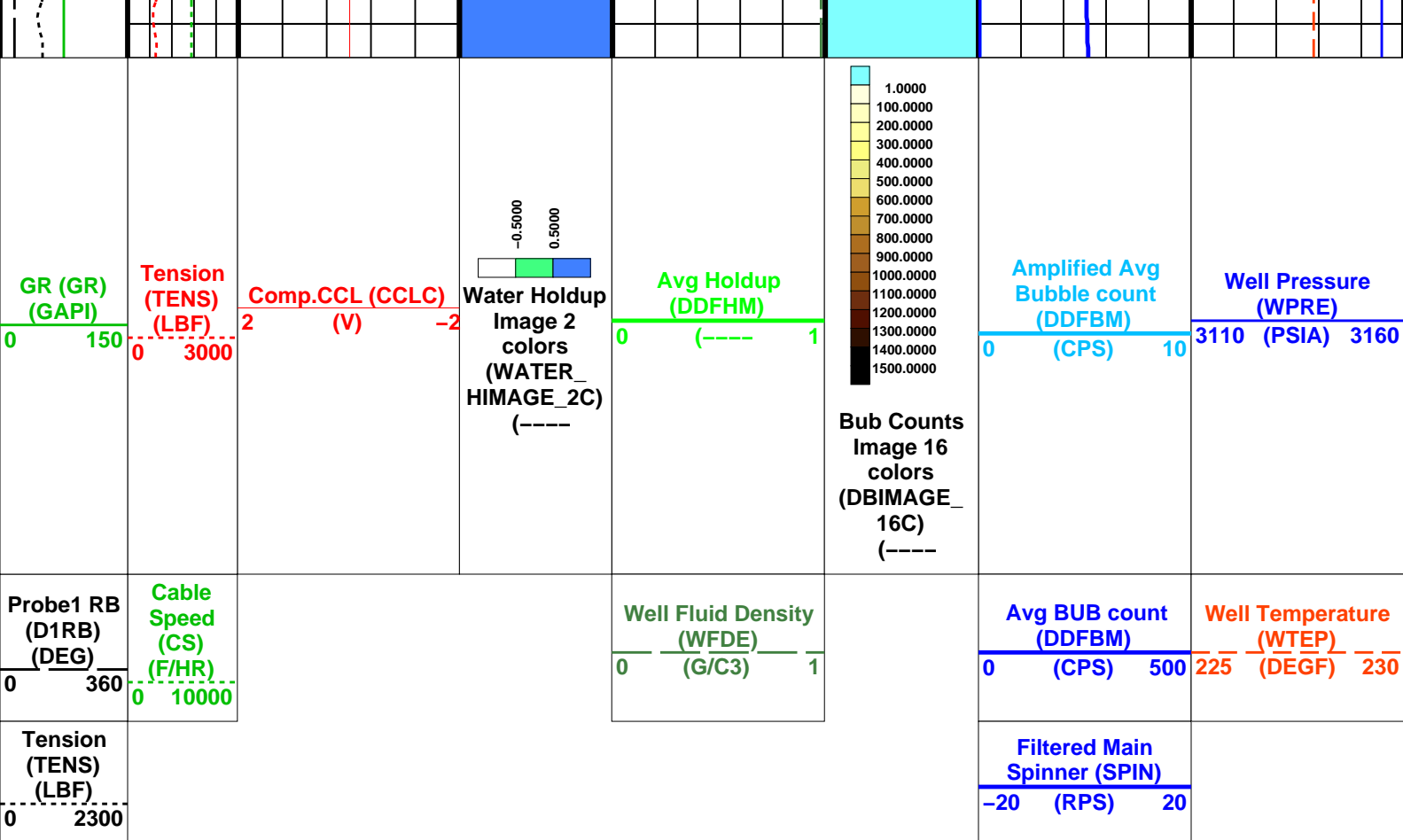
OP System Version: 14C0-302

MCM

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

Tension (TENS) (LBF) 0 2300						Filtered Main Spinner (SPIN) -20 (RPS) 20	
Probe1 RB (D1RB) (DEG) 0 360	Cable Speed (CS) (F/HR) 0 10000		Well Fluid Density (WFDE) (G/C3) 0 1			Avg BUB count (DDFBM) (CPS) 500	Well Temperature (WTEP) (DEGF) 230
GR (GR) (GAPI) 0 150	Tension (TENS) (LBF) 0 3000	Comp.CCL (CCLC) (V) -2	Water Holdup Image 2 colors (WATER_ HIMAGE_2C) (----)	Avg Holdup (DDFHM) (----) 1		Amplified Avg Bubble count (DDFBM) (CPS) 10	Well Pressure (WPRE) (PSIA) 3110 3160
					Bub Counts Image 16 colors (DBIMAGE_ 16C) (----)		





Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 13-Jun-2006 16:53

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		



CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
CSID	BORDYN: BorDyn (Well Test Validation)	6.875	IN
	Casing Size I.D.		
DO	System and Miscellaneous	-2.6	M
PP	Depth Offset for Playback		
	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT Flip\_FCS\_DEFT\_ILS\_031LUP PRODUCER 13-Jun-2006 16:45 3123.6 M 3066.3 M

Output DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_035PUP FN:31 PRODUCER 13-Jun-2006 16:53



Shut In Pass  
Up @ 20m / min

MAXIS Field Log

Input DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_020LUP FN:19 PRODUCER 13-Jun-2006 15:10 3120.7 M 3074.4 M

Output DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_025PUP FN:24 PRODUCER 13-Jun-2006 16:24 3120.2 M 3074.4 M

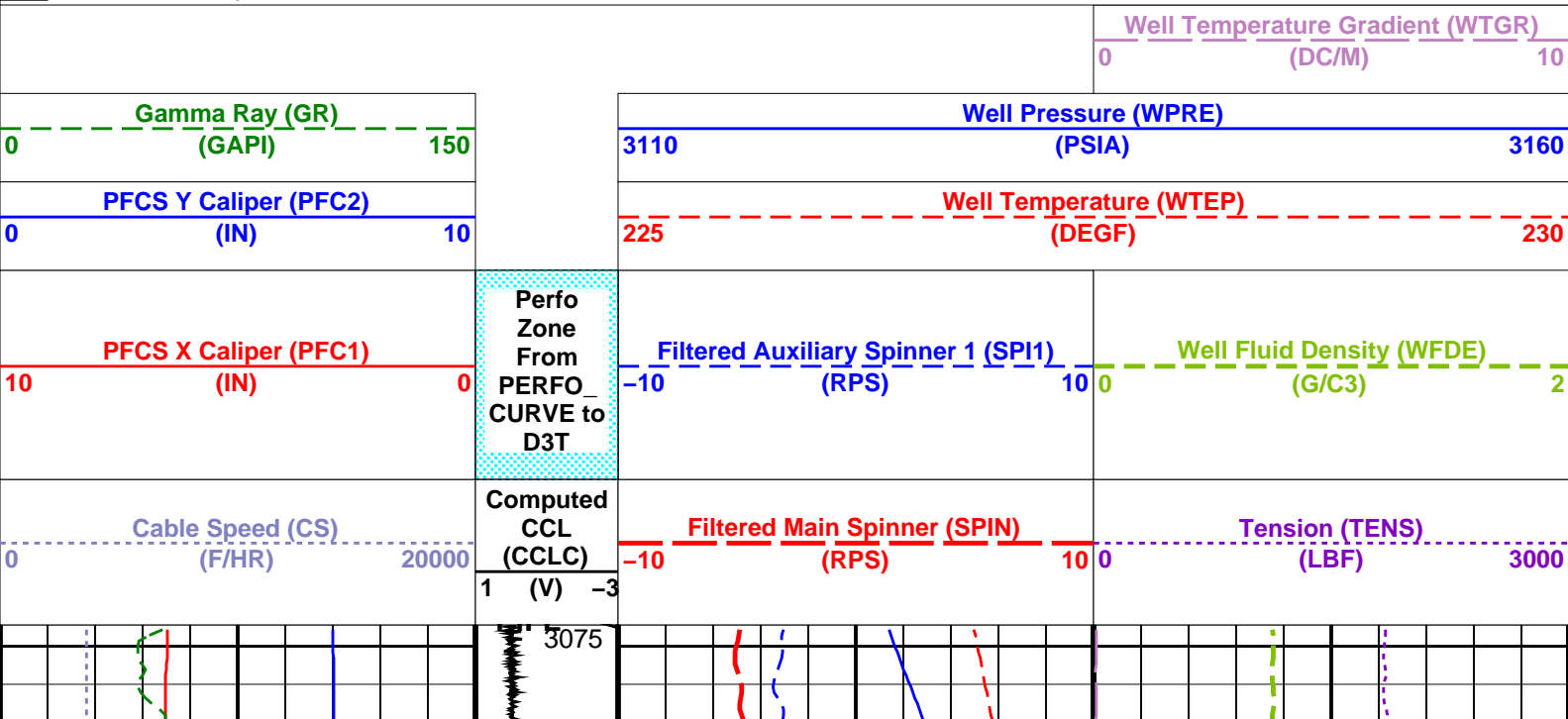
OP System Version: 14C0-302

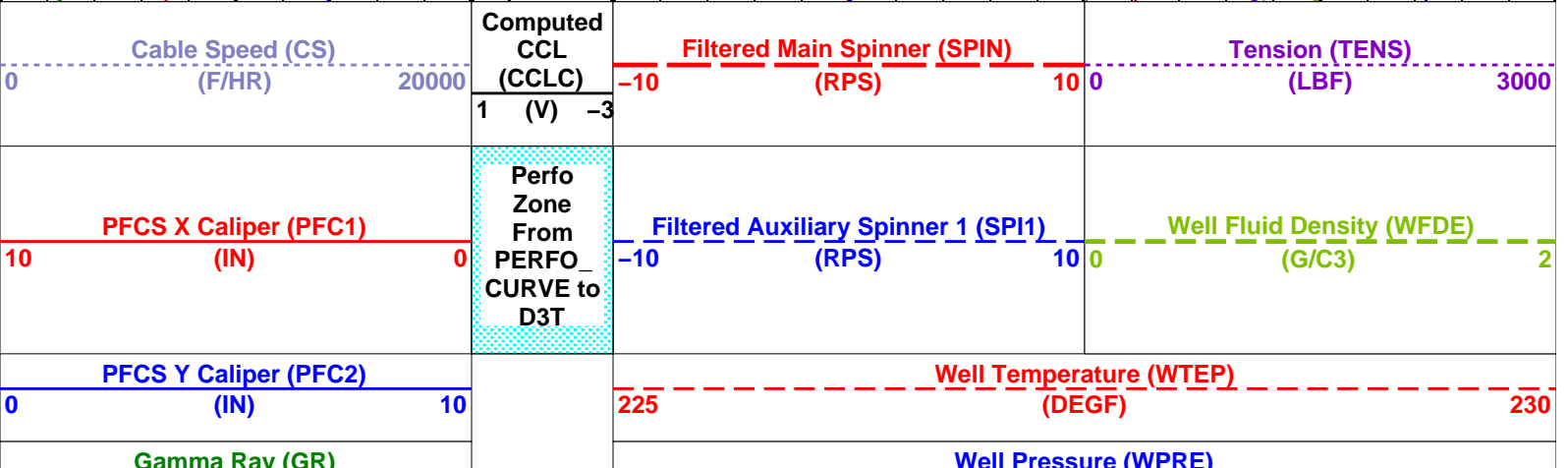
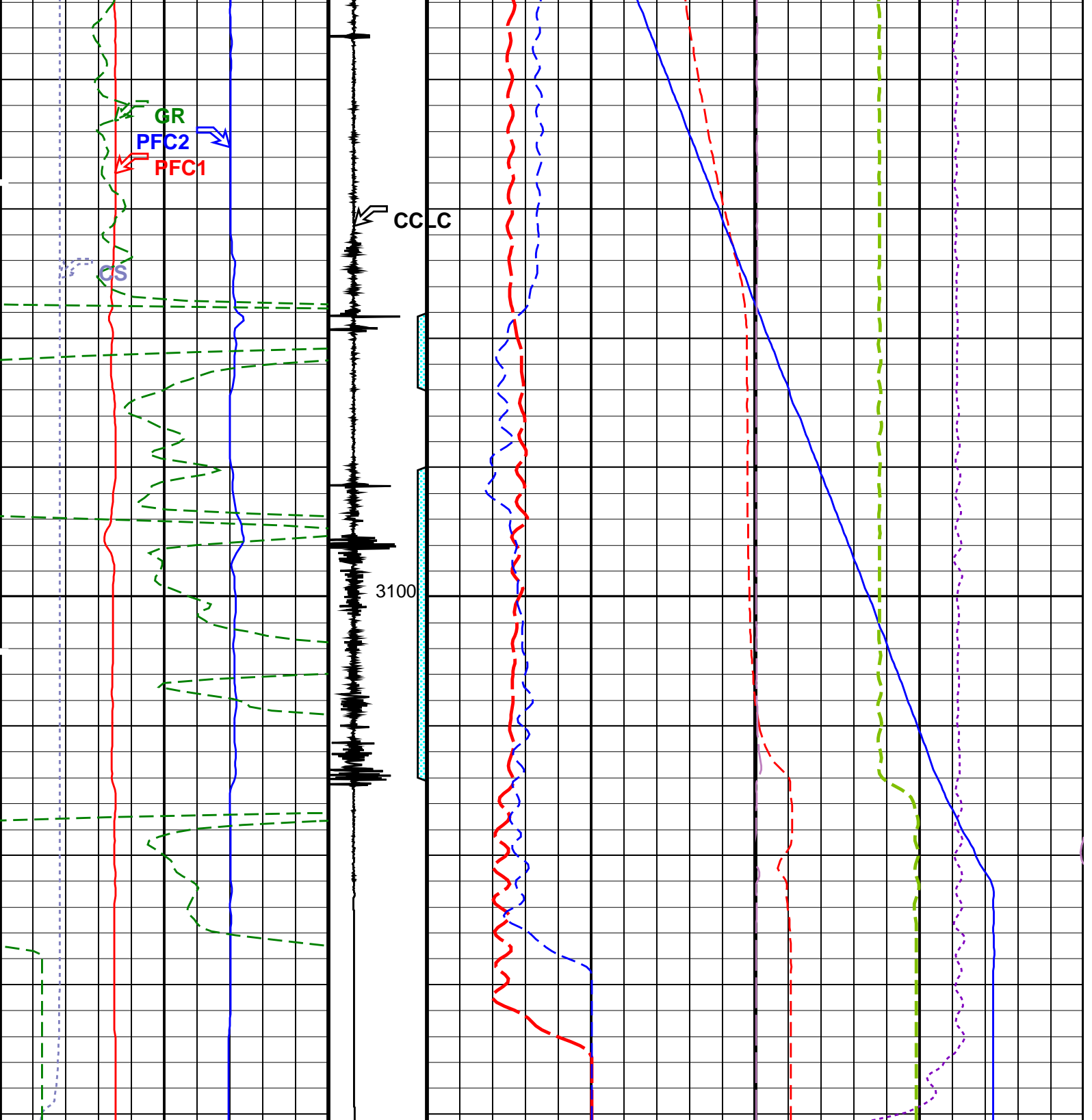
MCM

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

PIP SUMMARY

Time Mark Every 60 S

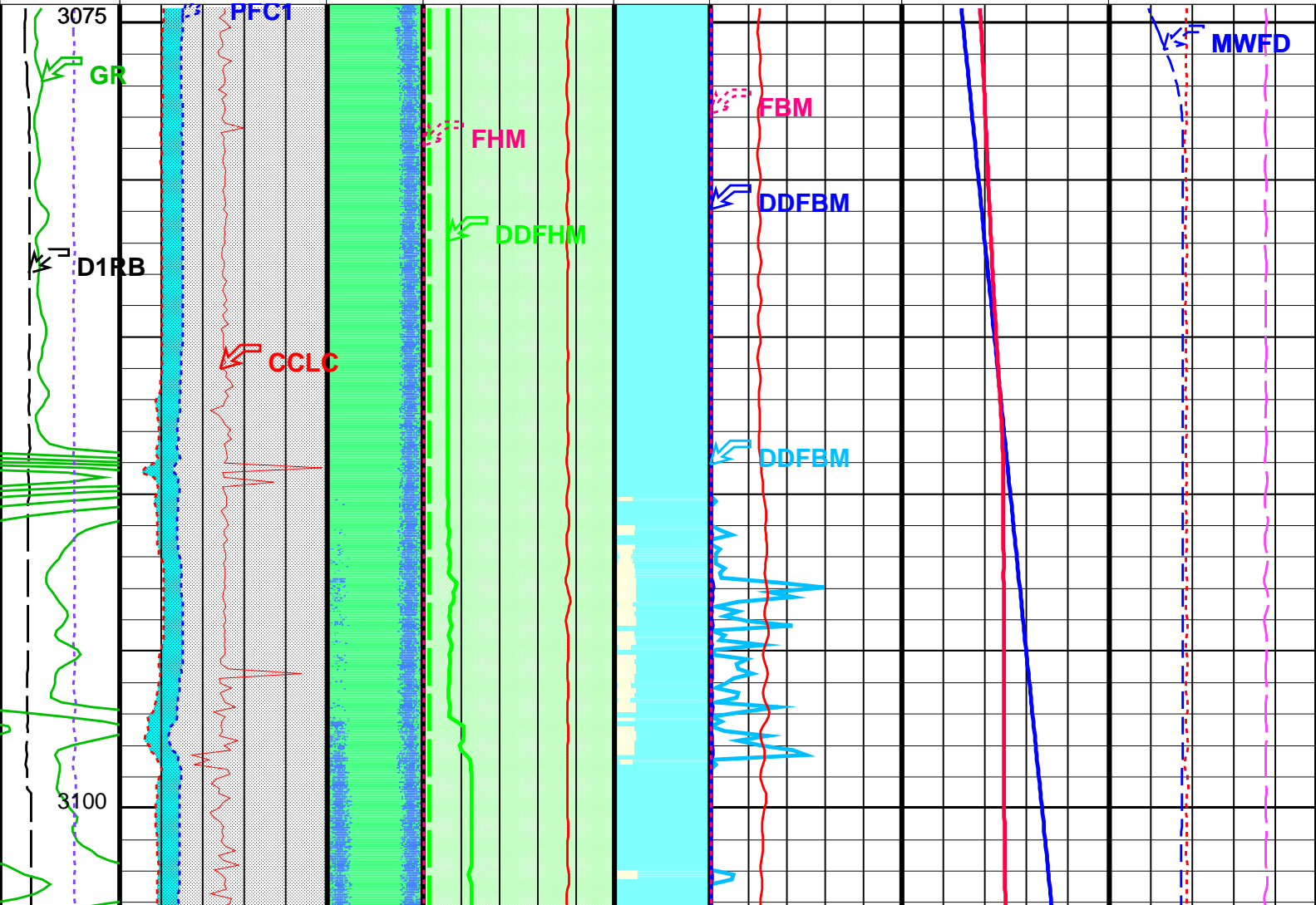


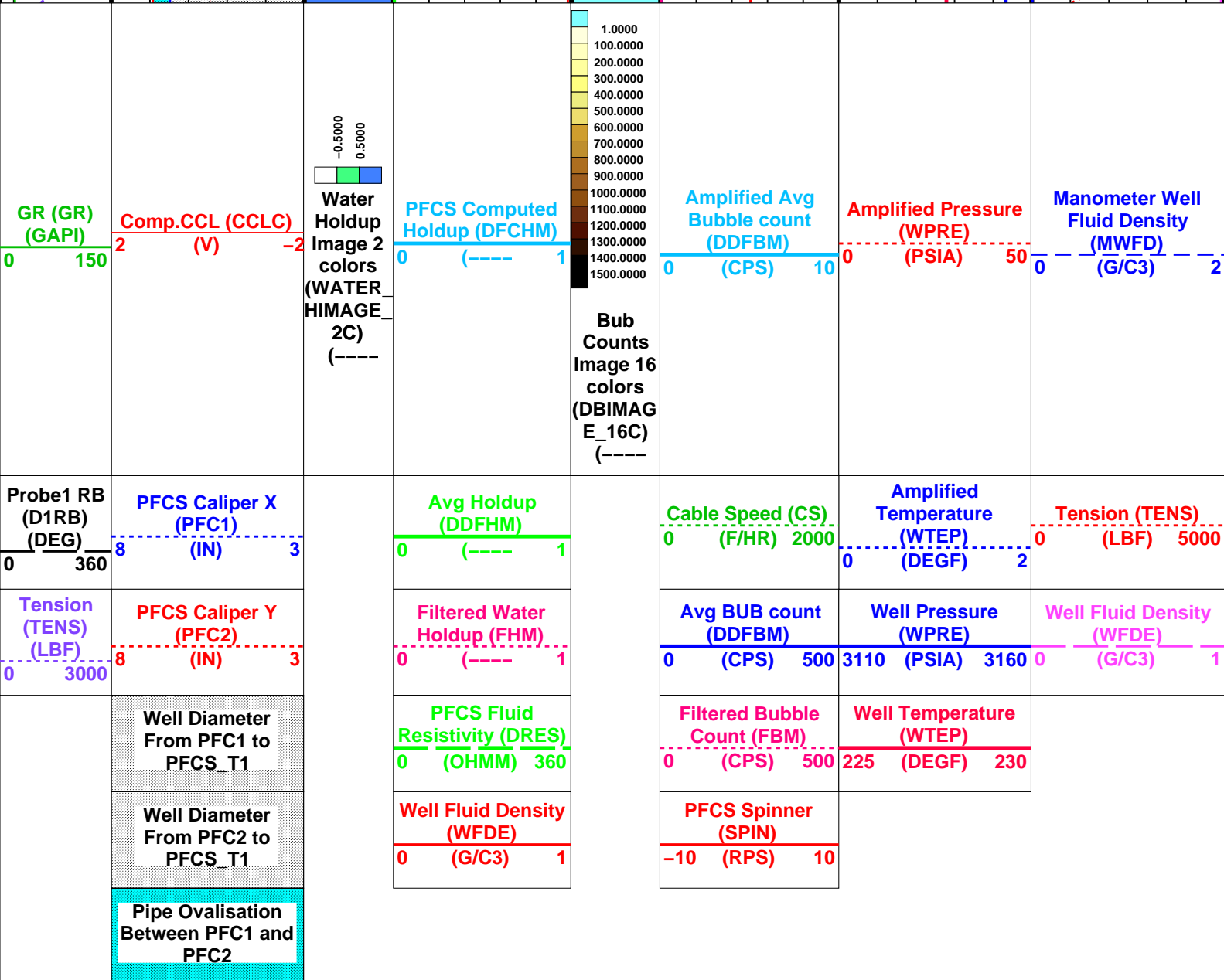
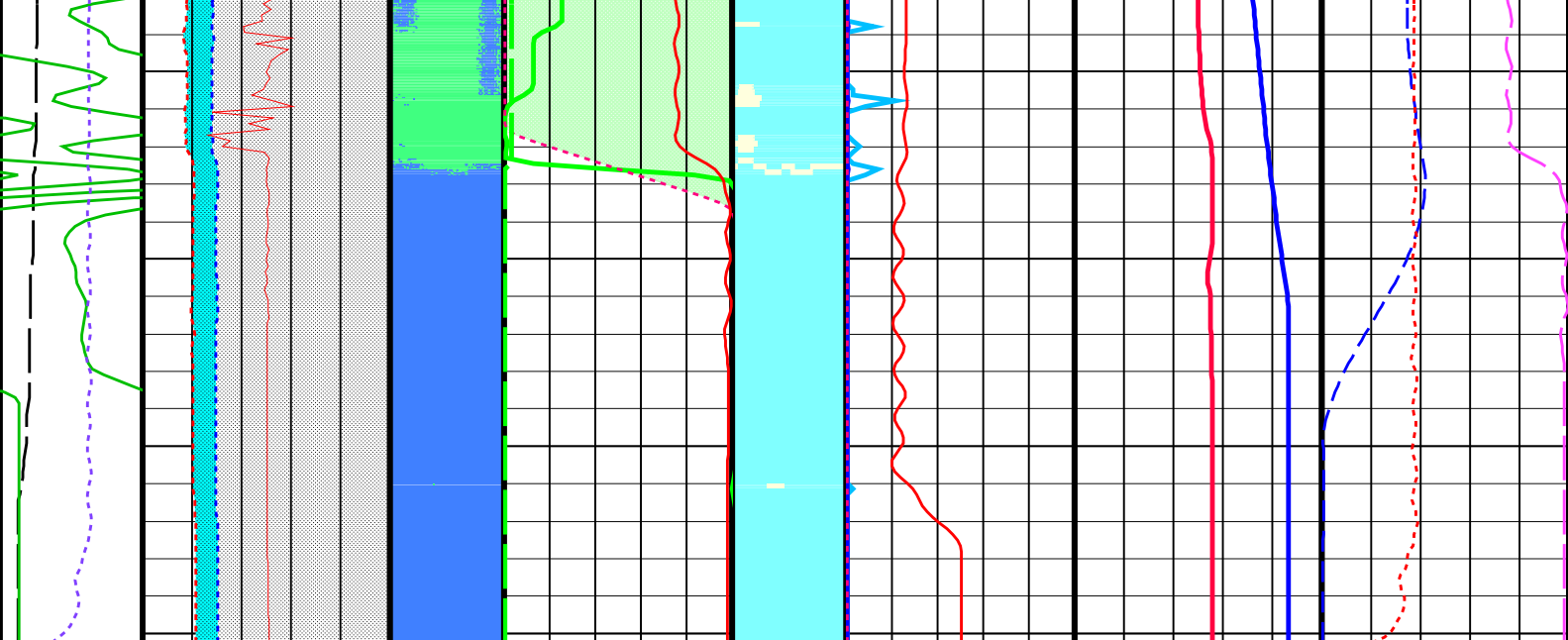




0 (GAPI) 150		3110 (PSIA) 3160	
		Well Temperature Gradient (WTGR) 0 (DC/M) 10	
PIP SUMMARY			
Time Mark Every 60 S			
Format: PSP_1 Vertical Scale: 1:200		Graphics File Created: 13-Jun-2006 16:24	
OP System Version: 14C0-302 MCM			
PFCS-A	14C0-302	DEFT-C2	14C0-302
PILS-A	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		
Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
System and Miscellaneous			
DO	Depth Offset for Playback	-0.5	M
PP	Playback Processing	NORMAL	
Input DLIS Files			
DEFAULT	FCS_DEFT_ILS_GMS_020LUP	FN:19 PRODUCER	13-Jun-2006 15:10 3120.7 M 3074.4 M
Output DLIS Files			
DEFAULT	FCS_DEFT_ILS_GMS_025PUP	FN:24 PRODUCER	13-Jun-2006 16:24
Input DLIS Files			
DEFAULT	FCS_DEFT_ILS_GMS_020LUP	FN:19 PRODUCER	13-Jun-2006 15:10 3120.7 M 3074.4 M
Output DLIS Files			
DEFAULT	FCS_DEFT_ILS_GMS_025PUP	FN:24 PRODUCER	13-Jun-2006 16:24 3120.2 M 3074.4 M
OP System Version: 14C0-302 MCM			
PFCS-A	14C0-302	DEFT-C2	14C0-302
PILS-A	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		
Pipe Ovalisation Between PFC1 and PFC2			
Well Diameter From PFC2 to PFC2_T1			
Well Fluid Density (WFDE) 0 (G/C3) 1		PFCS Spinner (SPIN) -10 (RPS) 10	

	Well Diameter From PFC1 to PFC5_T1		PFC5 Fluid Resistivity (DRES) 0 (OHMM) 360		Filtered Bubble Count (FBM) 0 (CPS) 500	Well Temperature (WTEP) 225 (DEGF) 230	
Tension (TENS) (LBF) 0 3000	PFC5 Caliper Y (PFC2) (IN) 8 3		Filtered Water Holdup (FHM) 0 (----) 1		Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 3110 (PSIA) 3160	Well Fluid Density (WFDE) (G/C3) 0 1
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) 0 5000





Format: PFCS\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 13-Jun-2006 16:24

ILS-A	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		
Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP2	Probes Arm Position (2nd tool)	D	
PFGC	PFCS Geometrical coefficient	1200	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPG	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-0.5	M
PP	Playback Processing	NORMAL	

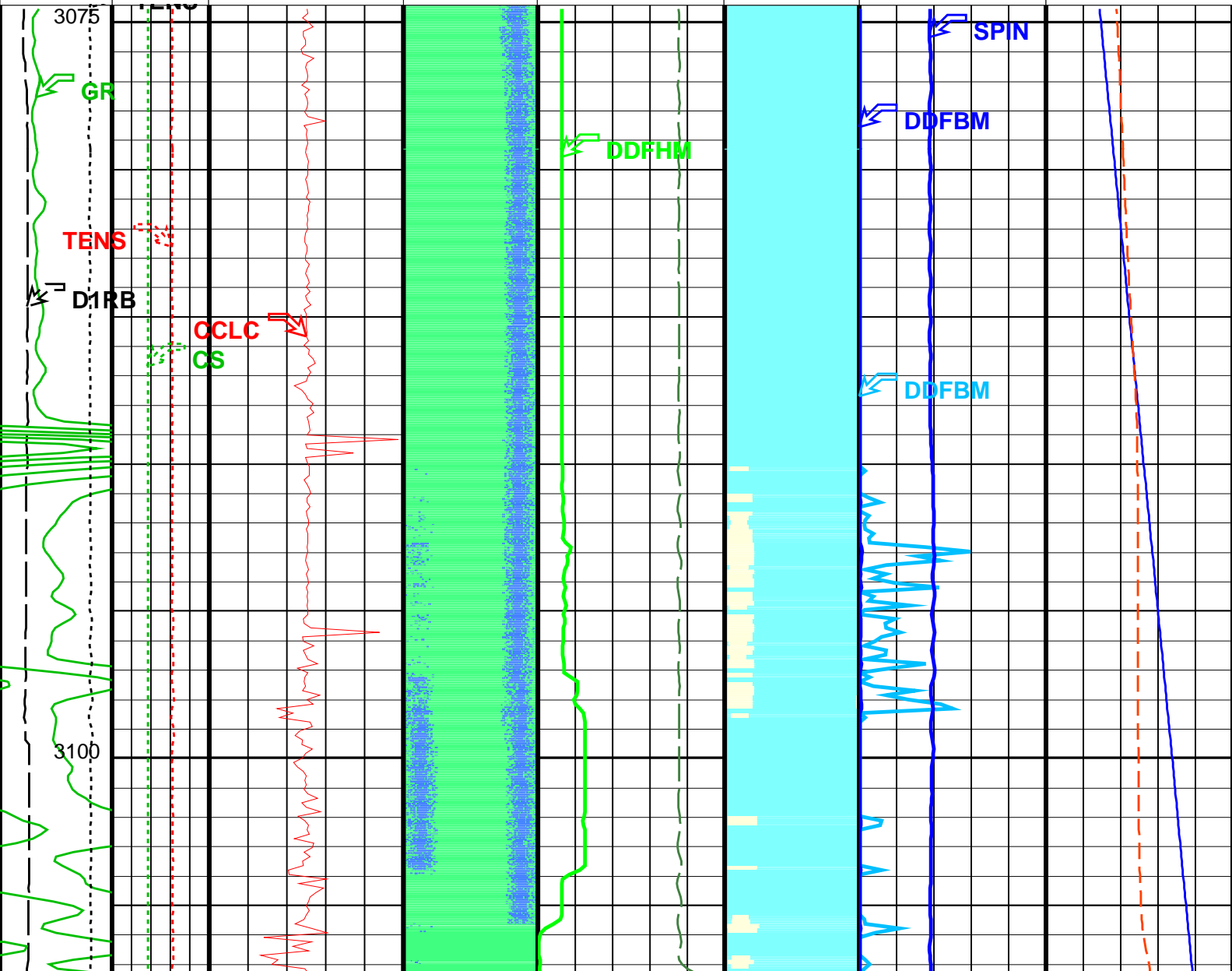
Input DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_020LUP	FN:19	PRODUCER	13-Jun-2006 15:10	3120.7 M	3074.4 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_025PUP	FN:24	PRODUCER	13-Jun-2006 16:24		

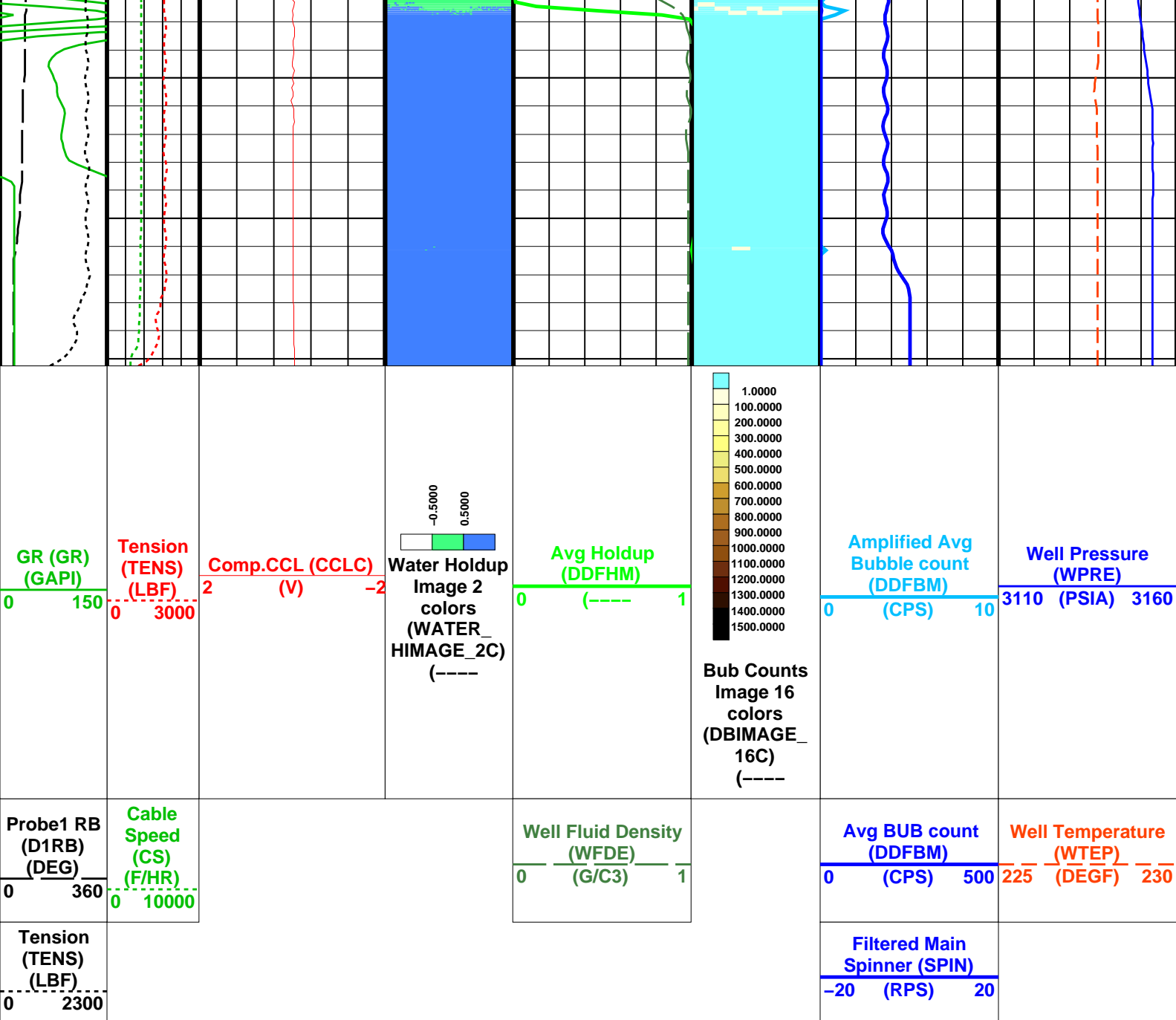
Input DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_020LUP	FN:19	PRODUCER	13-Jun-2006 15:10	3120.7 M	3074.4 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_025PUP	FN:24	PRODUCER	13-Jun-2006 16:24	3120.2 M	3074.4 M

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

ension (TENS) (LBF)						Filtered Main Spinner (SPIN)	
0 2300						-20 (RPS) 20	
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)			Well Fluid Density (WFDE) (G/C3)		Avg BUB count (DDFBM) (CPS)	Well Temperature (WTEP) (DEGF)
0 360	0 10000			0 1		0 500	225 230

GR (GR) (GAPI)	Tension (TENS) (LBF)	Comp.CCL (CCLC) (V)	Water Holdup Image 2 colors (WATER_ HIMAGE_2C) (----	Avg Holdup (DDFHM)		Amplified Avg Bubble count (DDFBM) (CPS)	Well Pressure (WPRE)
0 150	0 3000	2 -2	-0.5000 0.5000	0 1	1.0000 100.0000 200.0000 300.0000 400.0000 500.0000 600.0000 700.0000 800.0000 900.0000 1000.0000 1100.0000 1200.0000 1300.0000 1400.0000 1500.0000	0 10	3110 (PSIA) 3160
					Bub Counts Image 16 colors (DBIMAGE_ 16C) (----		





Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 13-Jun-2006 16:24

## OP System Version: 14C0-302 MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT C Tool		

Input DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_020LUP	FN:19	PRODUCER	13-Jun-2006 15:10	3120.7 M	3074.4 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_025PUP	FN:24	PRODUCER	13-Jun-2006 16:24		

Shut In Pass  
Down @ 20m / min

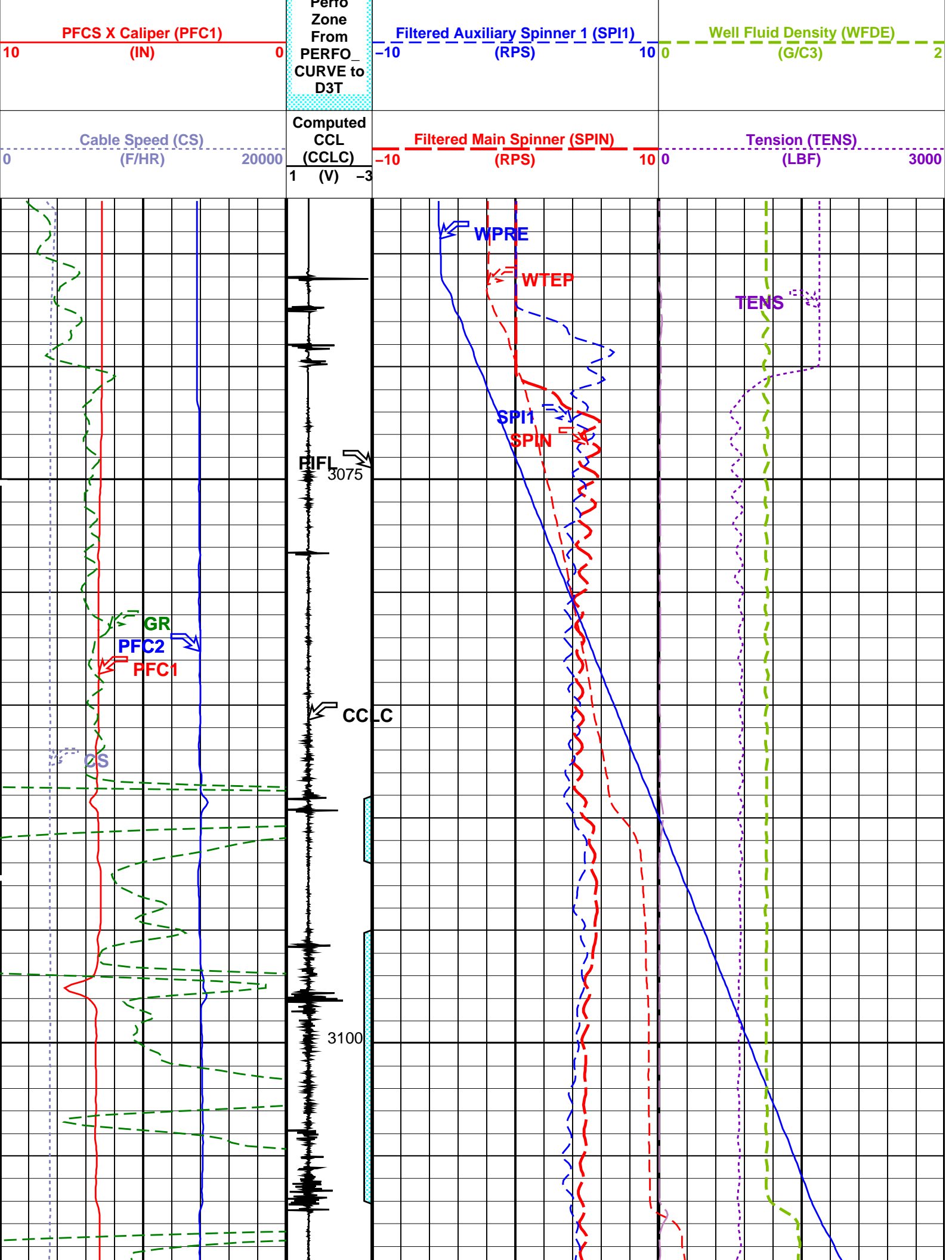
MAXIS Field Log

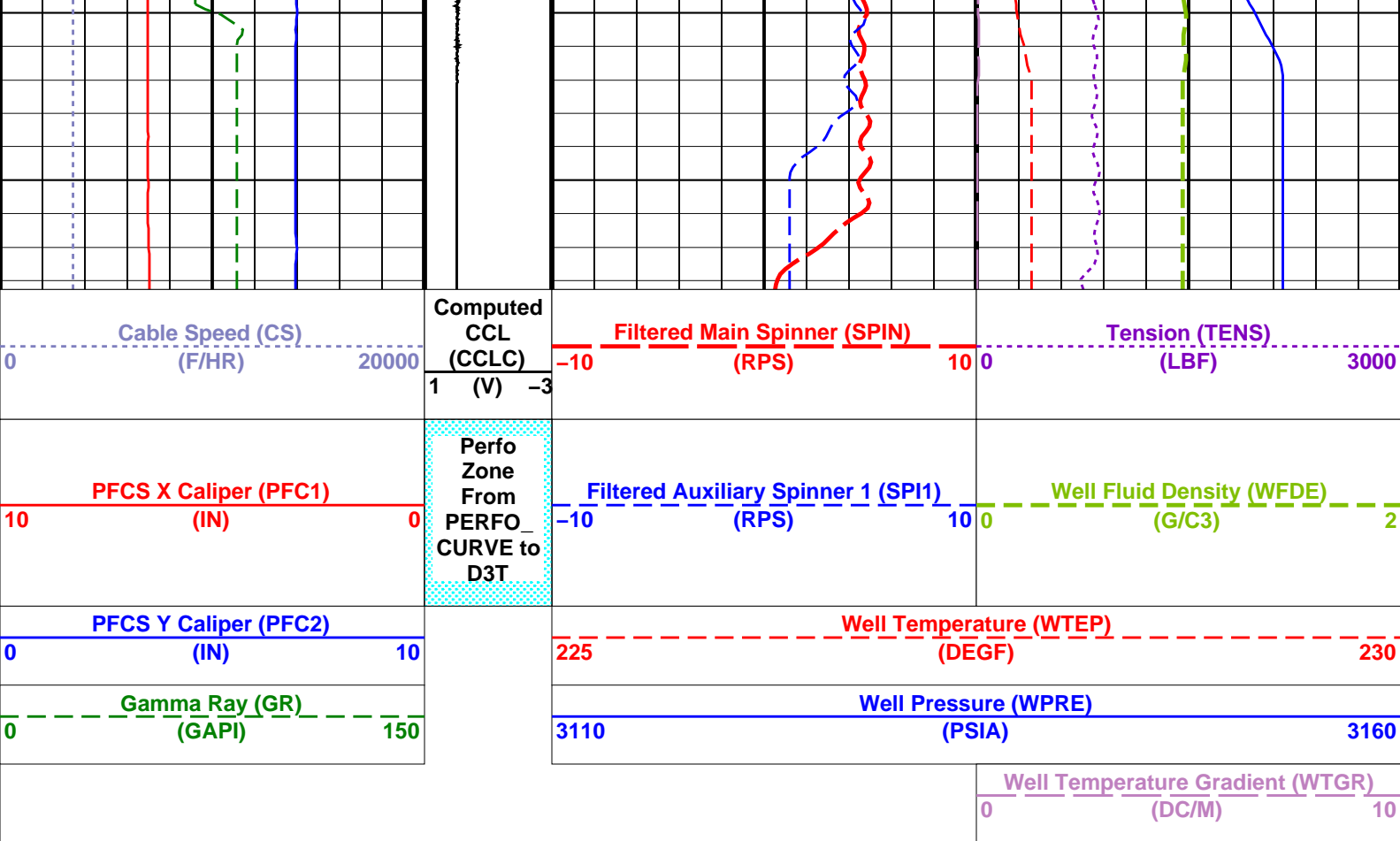
Input DLIS Files						
DEFAULT	Flip_FCS_DEFT_ILS_030LUP	PRODUCER	13-Jun-2006 16:45	3120.7 M	3064.5 M	
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_034PUP	FN:30	PRODUCER	13-Jun-2006 16:51	3118.3 M	3062.5 M
OP System Version: 14C0-302						
MCM						
PFCS-A	14C0-302	DEFT-C2	14C0-302			
PILS-A	14C0-302	PGMC-A/B	14C0-302			
PSPT-A/B	14C0-302					

**Time Mark Every 60 S**

	Perforated
--	------------







PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 13-Jun-2006 16:51

OP System Version: 14C0-302

MCM

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

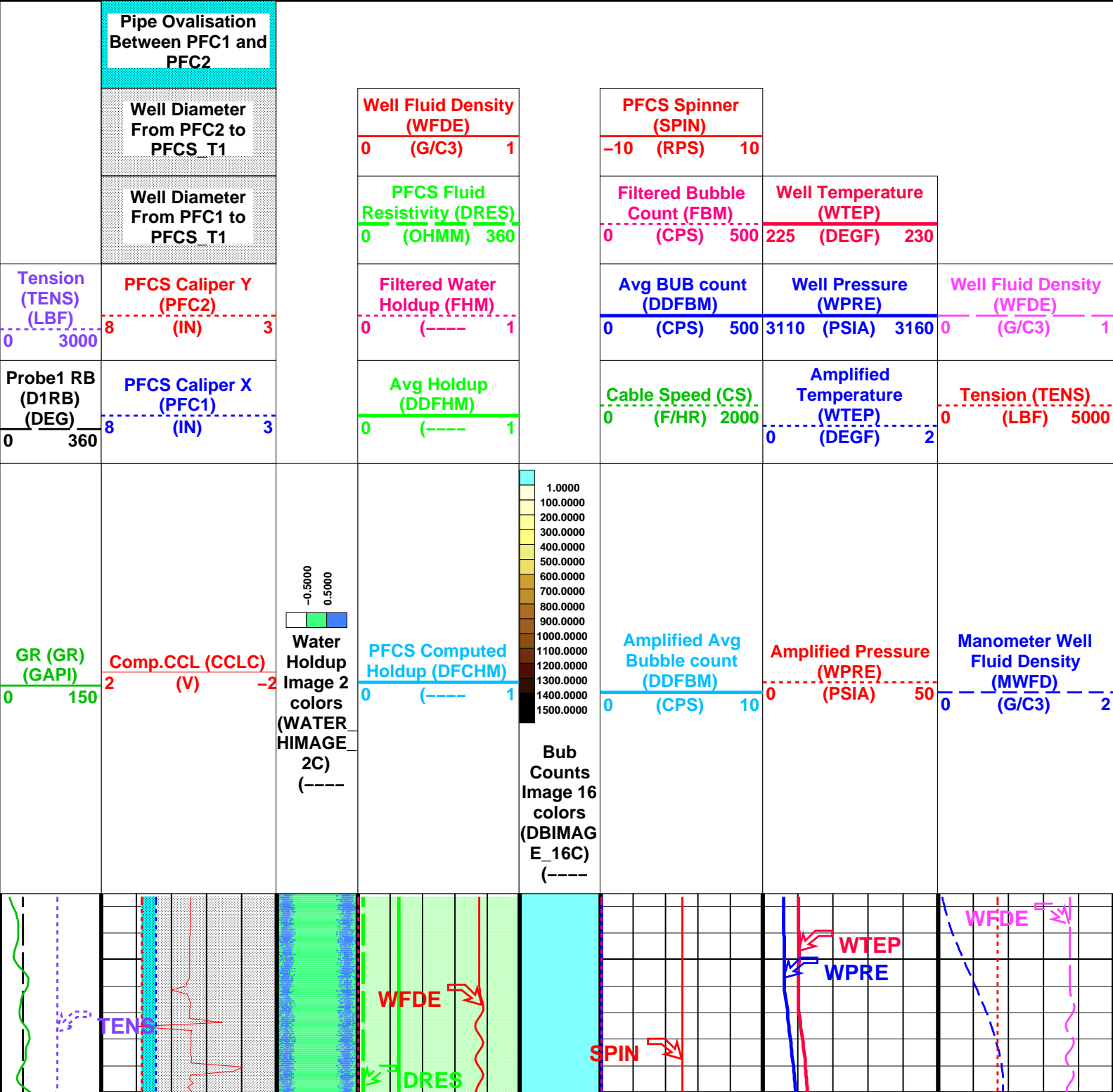
Parameters

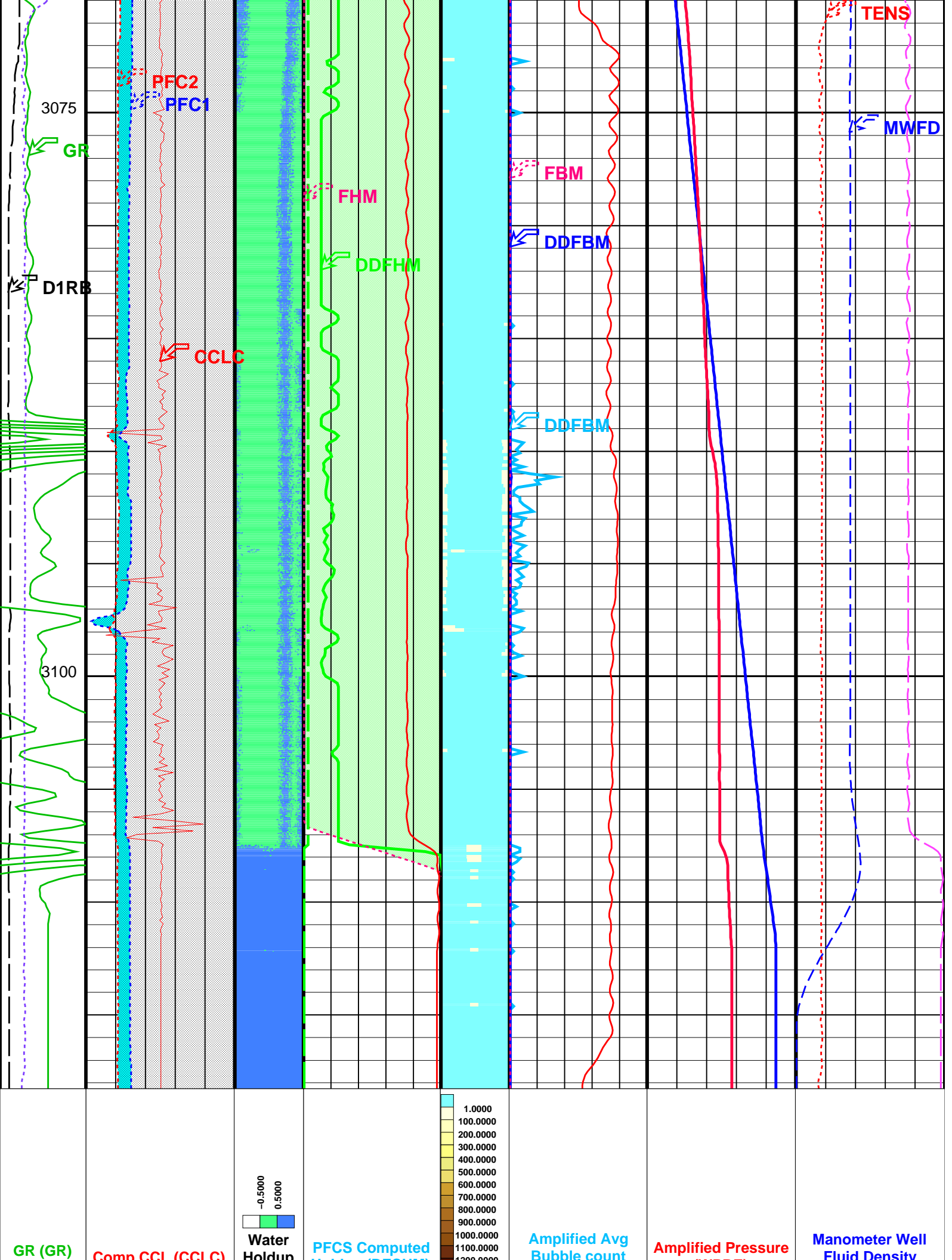
DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-2.5 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	Flip_FCS_DEFT_ILS_030LUP	PRODUCER	13-Jun-2006 16:45	3120.7 M	3064.5 M
---------	--------------------------	----------	-------------------	----------	----------

Output DLIS Files





(GAPI) 0 150	Complete (V) 2 (V) -2	Holdup Image 2 colors (WATER HIMAGE 2C) (----)	Holdup (DFCHM) 0 (----) 1	1200.0000 1300.0000 1400.0000 1500.0000 Bub Counts Image 16 colors (DBIMAG E_16C) (----)	(DDFBM) 0 (CPS) 10	(WPRE) 0 (PSIA) 50	(MWFD) 0 (G/C3) 2
Probe1 RB (D1RB) (DEG) 0 360	PFCS Caliper X (PFC1) (IN) 8 3		Avg Holdup (DDFHM) 0 (----) 1		Cable Speed (CS) (F/HR) 2000 0	Amplified Temperature (WTEP) (DEGF) 0 2	Tension (TENS) (LBF) 5000 0
Tension (TENS) (LBF) 0 3000	PFCS Caliper Y (PFC2) (IN) 8 3		Filtered Water Holdup (FHM) 0 (----) 1		Avg BUB count (DDFBM) (CPS) 500 0	Well Pressure (WPRE) (PSIA) 3160 3110	Well Fluid Density (WFDE) (G/C3) 1 0
	Well Diameter From PFC1 to PFCS_T1		PFCS Fluid Resistivity (DRES) (OHMM) 360 0		Filtered Bubble Count (FBM) (CPS) 500 0	Well Temperature (WTEP) (DEGF) 230 225	
	Well Diameter From PFC2 to PFCS_T1		Well Fluid Density (WFDE) (G/C3) 1 0		PFCS Spinner (SPIN) (RPS) 10 -10		
	Pipe Ovalisation Between PFC1 and PFC2						

Format: PFCS\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 13-Jun-2006 16:51

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
PFGC	PFCS Geometrical coefficient	1200
PFRE1	Downhole Resistor Probe 1	3000 OHMS
PFRE2	Downhole Resistor Probe 2	3000 OHMS
PFRE3	Downhole Resistor Probe 3	3000 OHMS
PFRE4	Downhole Resistor Probe 4	3000 OHMS
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP2	Probes Arm Position (2nd tool)	D
PFGC	PFCS Geometrical coefficient	1200
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE



SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-2.5	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_FCS_DEFT_ILS_030LUP	PRODUCER	13-Jun-2006 16:45	3120.7 M	3064.5 M
---------	--------------------------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_034PUP	FN:30	PRODUCER	13-Jun-2006 16:51	
---------	-------------------------	-------	----------	-------------------	--

Input DLIS Files

DEFAULT	Flip_FCS_DEFT_ILS_030LUP	PRODUCER	13-Jun-2006 16:45	3120.7 M	3064.5 M
---------	--------------------------	----------	-------------------	----------	----------

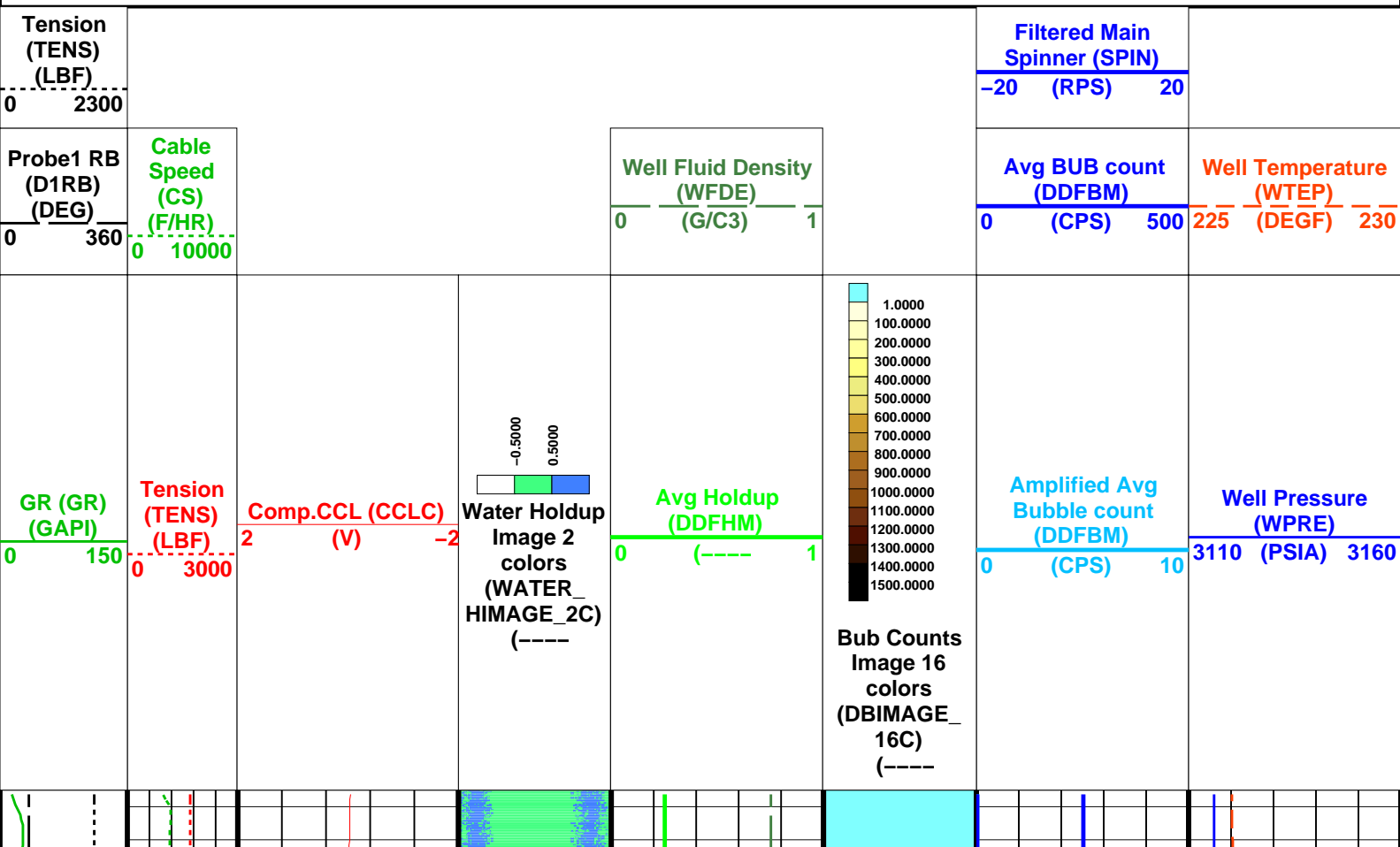
Output DLIS Files

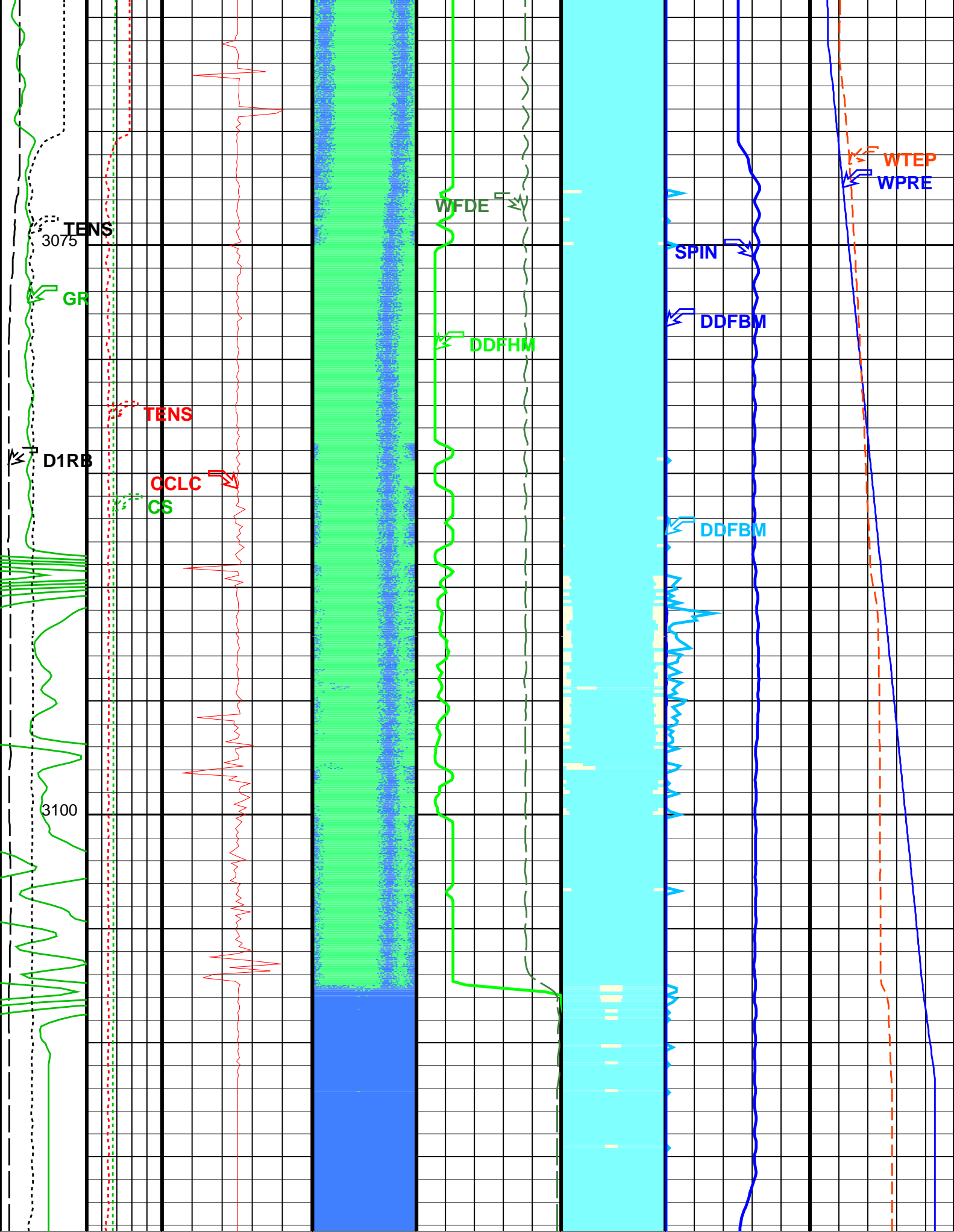
DEFAULT	FCS_DEFT_ILS_GMS_034PUP	FN:30	PRODUCER	13-Jun-2006 16:51	3118.3 M	3062.5 M
---------	-------------------------	-------	----------	-------------------	----------	----------

OP System Version: 14C0-302

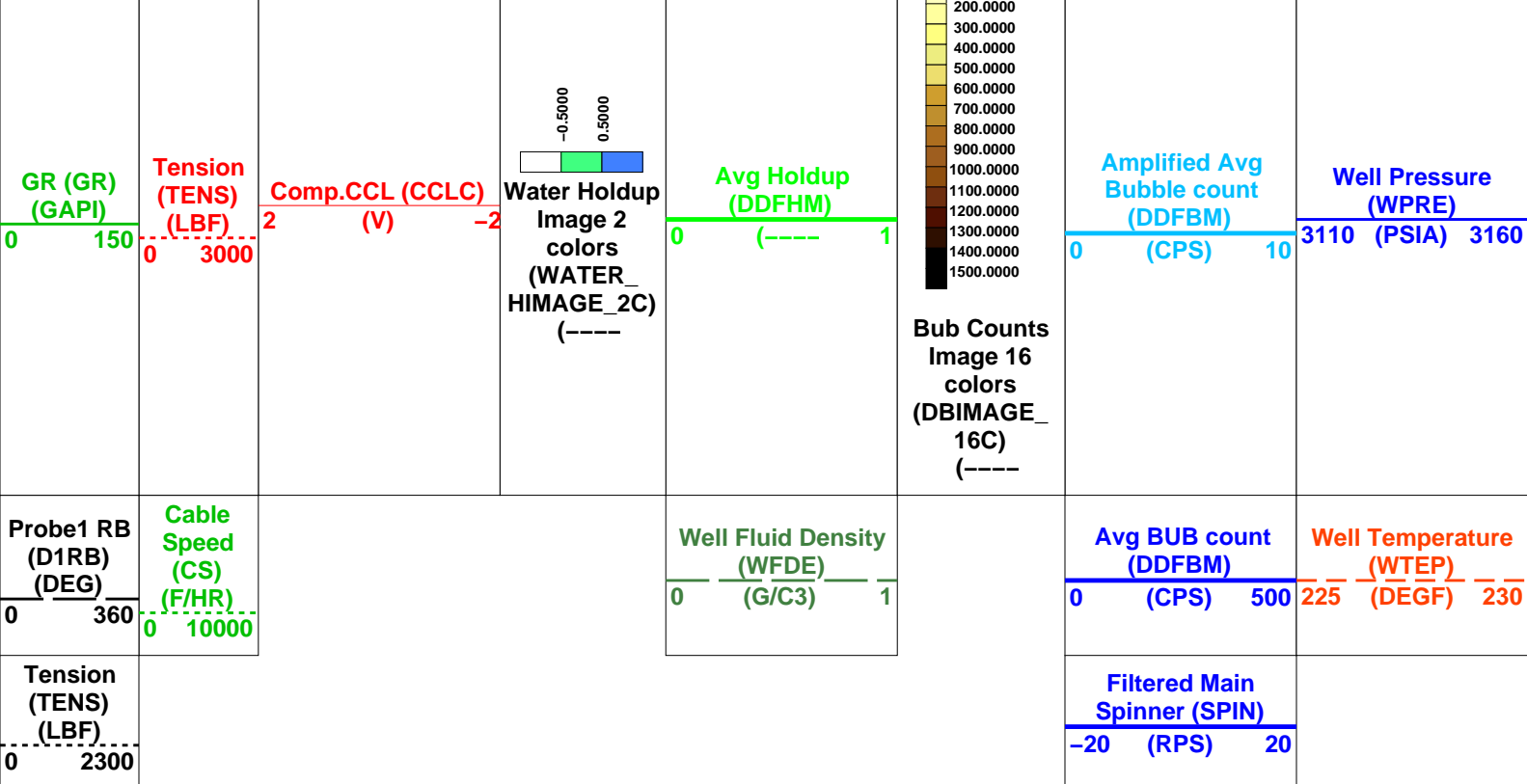
MCM

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









Format: DEFT\_Image\_DL      Vertical Scale: 1:200      Graphics File Created: 13-Jun-2006 16:51

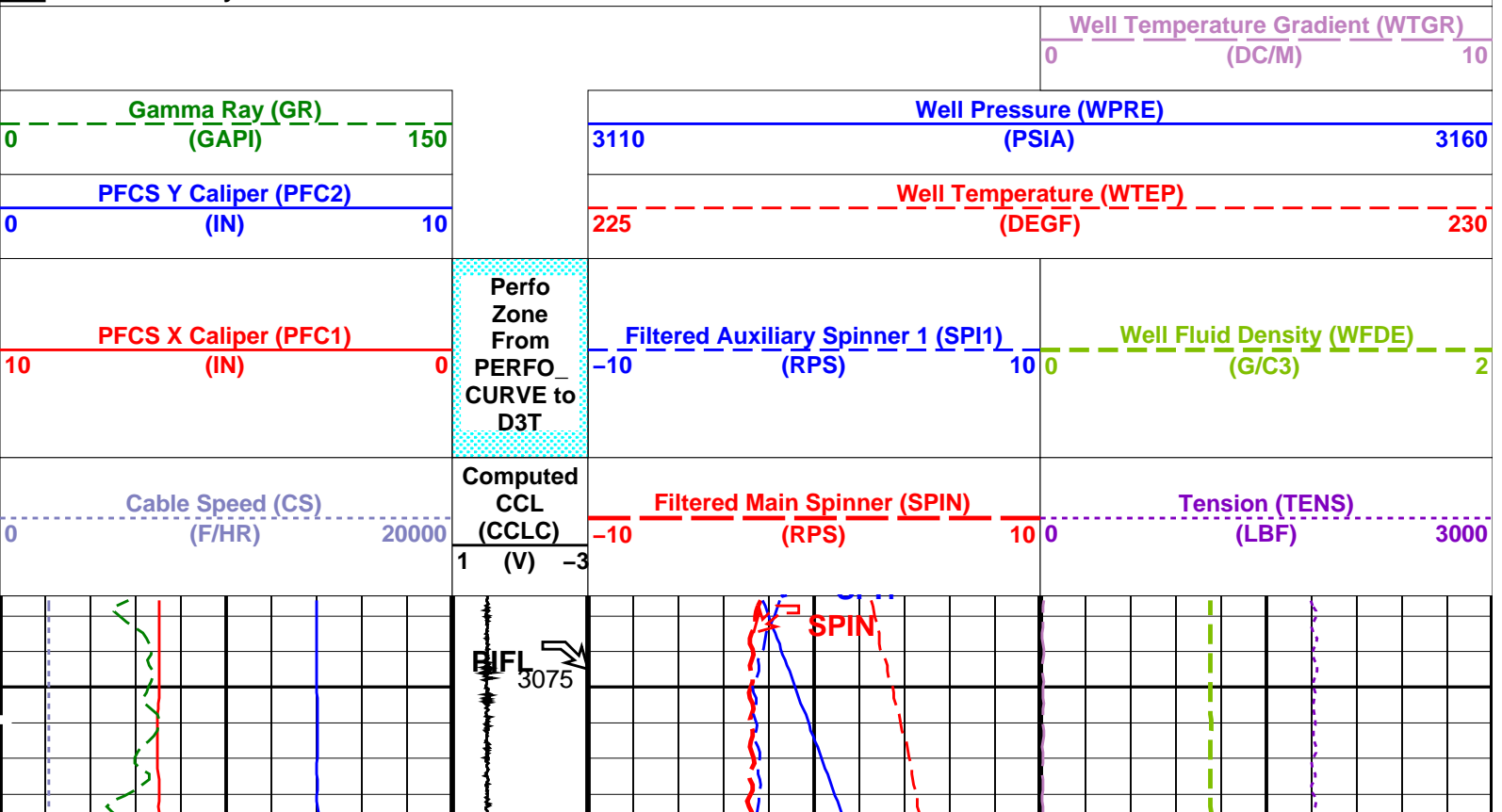
## OP System Version: 14C0-302

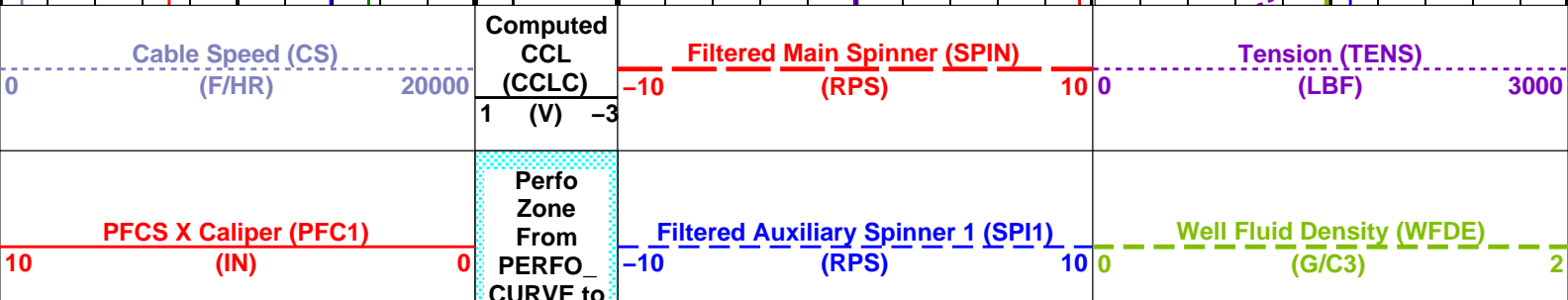
MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
PS	Depth Offset for Playback	2.5 M





		D3T	
PFCS Y Caliper (PFC2)			Well Temperature (WTEP)
0 (IN) 10		225	(DEGF) 230
Gamma Ray (GR)			Well Pressure (WPRE)
0 (GAPI) 150		3110	(PSIA) 3160
			Well Temperature Gradient (WTGR)
			0 (DC/M) 10

PIP SUMMARY			
Time Mark Every 60 S			

Format: PSP_1	Vertical Scale: 1:200	Graphics File Created: 13-Jun-2006 16:41	
---------------	-----------------------	--	--

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

Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
System and Miscellaneous			
DO	Depth Offset for Playback	0.6	M
PP	Playback Processing	NORMAL	

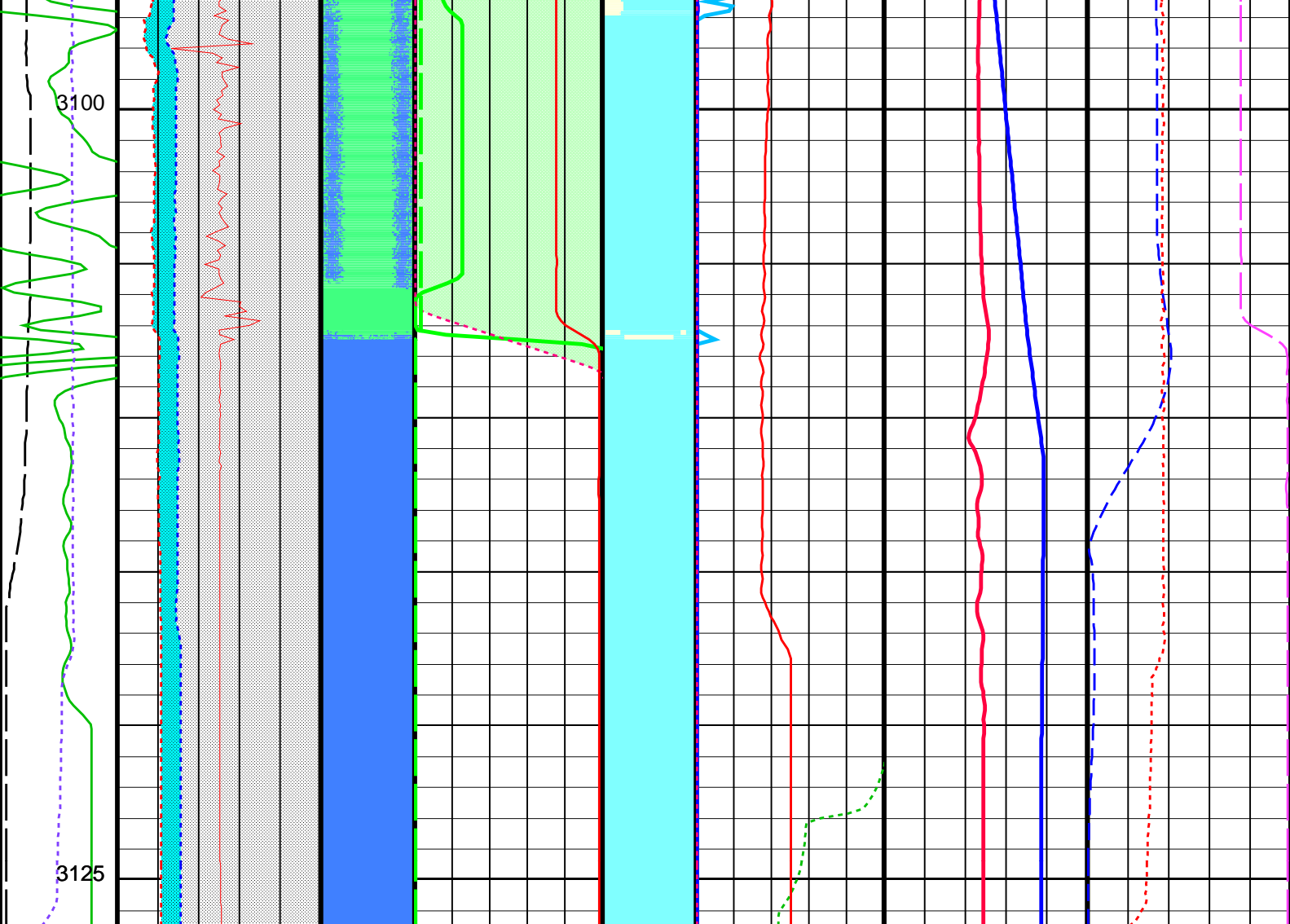
Input DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_018LUP	FN:17	PRODUCER	13-Jun-2006 14:58	3125.9 M	3071.3 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_026PUP	FN:25	PRODUCER	13-Jun-2006 16:41		

Input DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_018LUP	FN:17	PRODUCER	13-Jun-2006 14:58	3125.9 M	3071.3 M
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_026PUP	FN:25	PRODUCER	13-Jun-2006 16:41	3126.5 M	3072.4 M

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

	Pipe Ovalisation Between PFC1 and	
--	--------------------------------------	--





<b>GR (GR) (GAPI)</b> 0 150	<b>Comp.CCL (CCLC) (V)</b> 2 (V) -2	<b>Water Holdup Image 2 colors (WATER HIMAGE 2C) (----)</b> -0.5000 0.5000	<b>PFCs Computed Holdup (DFCHM)</b> 0 (----) 1	<b>Amplified Avg Bubble count (DDFBM) (CPS)</b> 0 10	<b>Amplified Pressure (WPRE) (PSIA)</b> 0 50	<b>Manometer Well Fluid Density (MWFD) (G/C3)</b> 0 2
<b>Probe1 RB (D1RB) (DEG)</b> 0 360	<b>PFCs Caliper X (PFC1) (IN)</b> 8 3		<b>Avg Holdup (DDFHM)</b> 0 (----) 1	<b>Cable Speed (CS) (F/HR)</b> 0 2000	<b>Amplified Temperature (WTEP) (DEGF)</b> 0 2	<b>Tension (TENS) (LBF)</b> 0 5000
<b>Tension (TENS) (LBF)</b> 0 3000	<b>PFCs Caliper Y (PFC2) (IN)</b> 8 3		<b>Filtered Water Holdup (FHM)</b> 0 (----) 1	<b>Avg BUB count (DDFBM) (CPS)</b> 0 500	<b>Well Pressure (WPRE) (PSIA)</b> 3110 3160	<b>Well Fluid Density (WFDE) (G/C3)</b> 0 1
	<b>Well Diameter From PFC1 to PFC2 (IN)</b> 8 3		<b>PFCs Fluid Resistivity (DRES) (G/CM)</b> 0 1	<b>Filtered Bubble Count (FBM) (CPS)</b> 0 500	<b>Well Temperature (WTEP) (DEGF)</b> 3110 3160	



PFC2 T1	0 (OHMM) 360	0 (CPS) 500 225 (DEGF) 230
Well Diameter From PFC2 to PFC2 T1	Well Fluid Density (WFDE) 0 (G/C3) 1	PFC2 Spinner (SPIN) -10 (RPS) 10
Pipe Ovalisation Between PFC1 and PFC2		

Format: PFC2\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 13-Jun-2006 16:41

## OP System Version: 14C0-302

MCM

PFC2-A	14C0-302	DEFT-C2	14C0-302
PILS-A	14C0-302	PGMC-A/B	14C0-302
PSPT-A/B	14C0-302		

### Parameters

DLIS Name	Description	Value
PFC2-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
PFGC	PFC2 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	PFC2-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP2	Probes Arm Position (2nd tool)	D
PFGC	PFC2 Geometrical coefficient	1200
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	PFC2-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
CSIZ	Current Casing Size	7.625 IN
DO	Depth Offset for Playback	0.6 M
PP	Playback Processing	NORMAL

### Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_018LUP	FN:17	PRODUCER	13-Jun-2006 14:58	3125.9 M	3071.3 M
---------	-------------------------	-------	----------	-------------------	----------	----------

### Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_026PUP	FN:25	PRODUCER	13-Jun-2006 16:41
---------	-------------------------	-------	----------	-------------------



# Input DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_018LUP FN:17 PRODUCER 13-Jun-2006 14:58 3125.9 M 3071.3 M

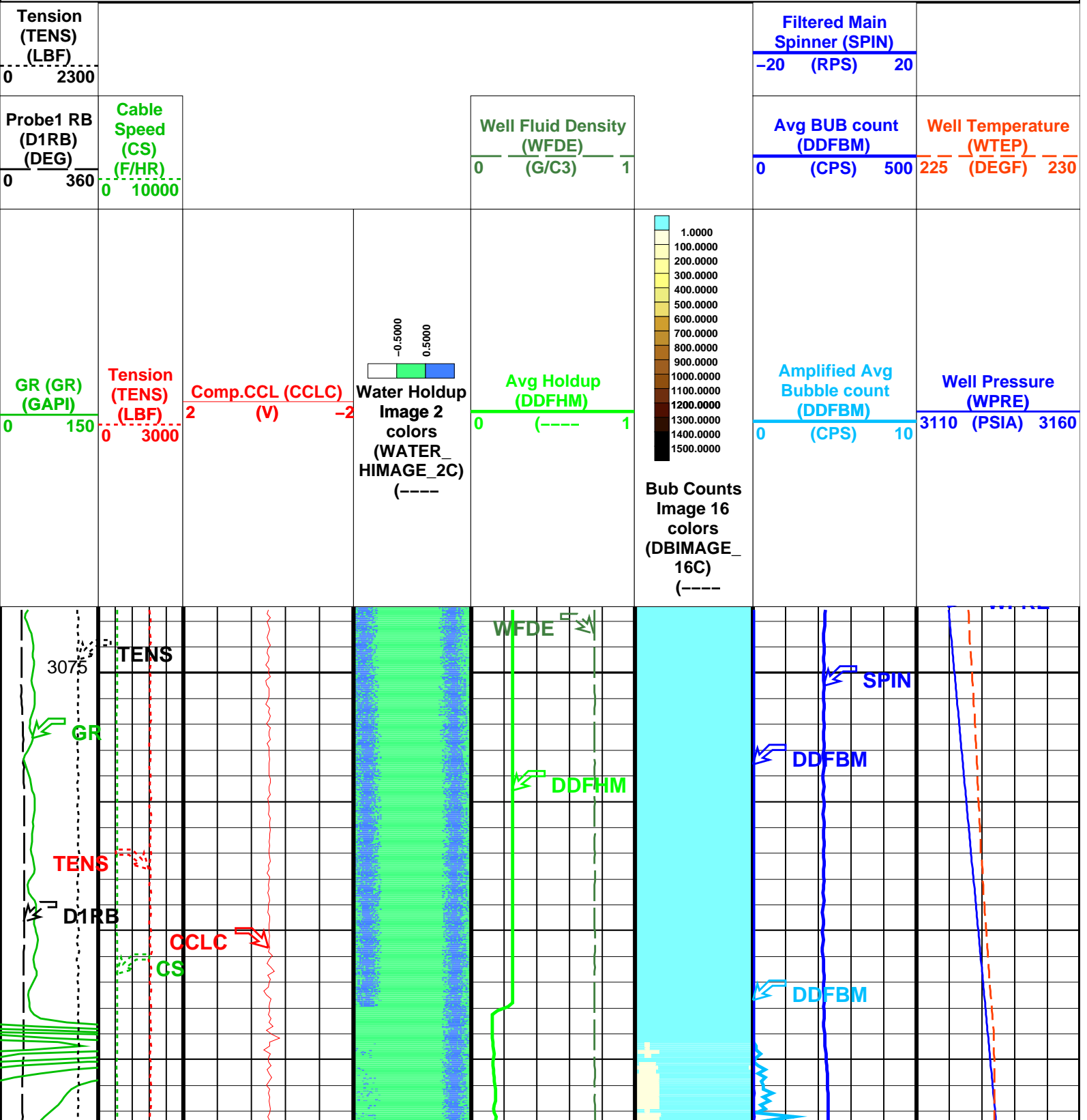
# Output DLIS Files

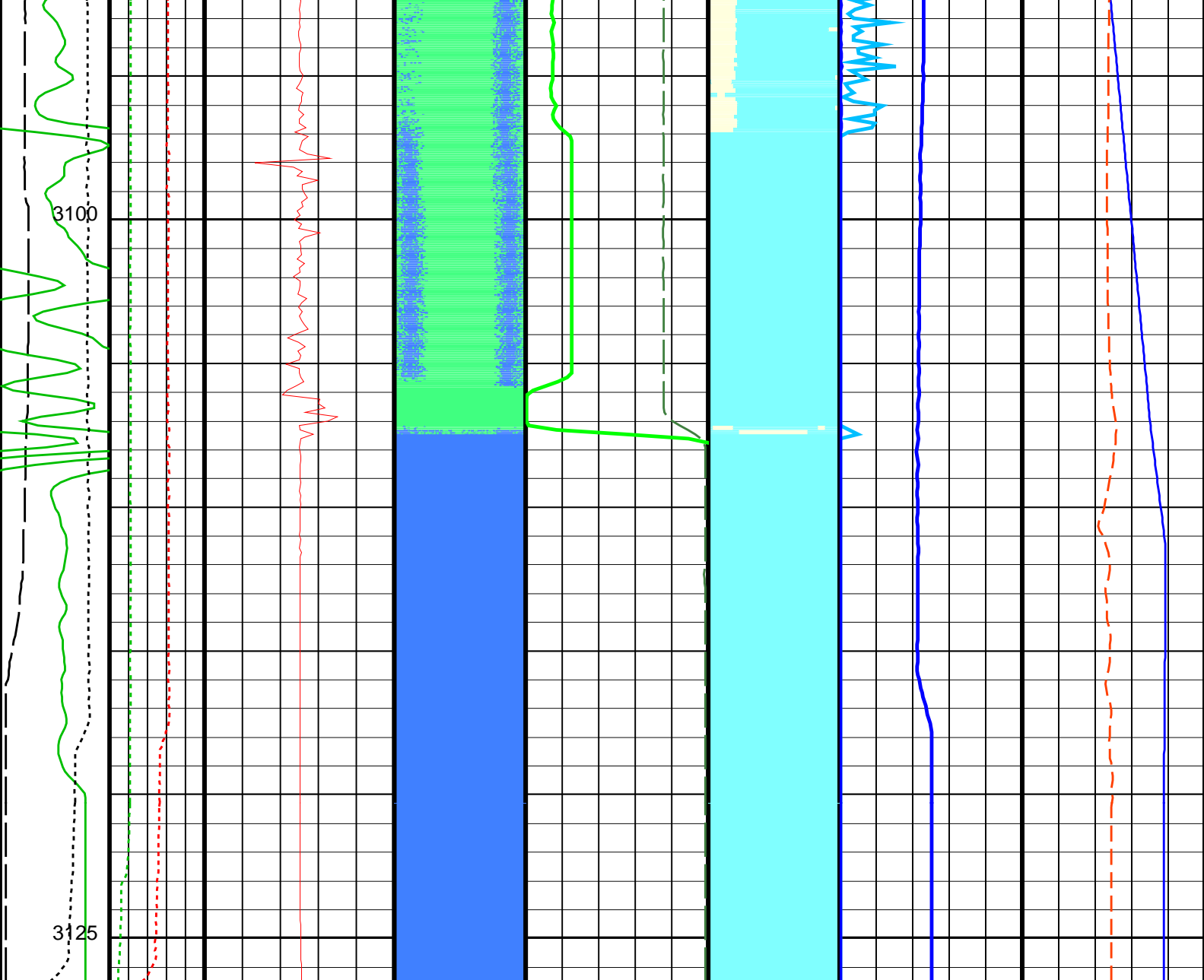
DEFAULT FCS\_DEFT\_ILS\_GMS\_026PUP FN:25 PRODUCER 13-Jun-2006 16:41 3126.5 M 3072.4 M

## OP System Version: 14C0-302

MCM

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





<div>GR (GR) (GAPI)</div> <div>0150</div>	<div>Tension (TENS) (LBF)</div> <div>03000</div>	<div>Comp.CCL (CCLC) (V)</div> <div>2-2</div>	<div>Water Holdup Image 2 colors (WATER_ HIMAGE_2C) (----</div> <div><div>-0.50000.5000</div></div>	<div>Avg Holdup (DDFHM)</div> <div>01</div>	<div><div><div>1.0000100.0000200.0000300.0000400.0000500.0000600.0000700.0000800.0000900.00001000.00001100.00001200.00001300.00001400.00001500.0000</div></div><div>Bub Counts Image 16 colors (DBIMAGE_ 16C) (----</div></div>	<div>Amplified Avg Bubble count (DDFBM)</div> <div>010</div> <div>(CPS)</div>	<div>Well Pressure (WPRES)</div> <div>3110 (PSIA)3160</div>
<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</div>	<div>Cable Speed (CS) (F/HR)</div> <div>010000</div>			<div>Well Fluid Density (WFDE)</div> <div>01</div> <div>(G/C3)</div>		<div>Avg BUB count (DDFBM)</div> <div>0500</div> <div>(CPS)</div>	<div>Well Temperature (WTEMP)</div> <div>225230</div> <div>(DEGF)</div>
<div>Tension (TENS) (LBF)</div>						<div>Filtered Main Spinner (SPIN)</div>	

# OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
DO	Depth Offset for Playback	0.6 M
PP	Playback Processing	NORMAL

## Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_018LUP	FN:17	PRODUCER	13-Jun-2006 14:58	3125.9 M	3071.3 M
---------	-------------------------	-------	----------	-------------------	----------	----------

## Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_026PUP	FN:25	PRODUCER	13-Jun-2006 16:41
---------	-------------------------	-------	----------	-------------------

**Schlumberger**

Shut In Baseline Pass  
Up @ 5m / min

# Input DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_023LUP FN:22 PRODUCER 13-Jun-2006 15:18 3120.4 M 3059.5 M

## Output DLIS Files

DEFAULT FCS\_DEFT\_ILS\_GMS\_028PUP FN:27 PRODUCER 13-Jun-2006 16:43 3120.1 M 3059.7 M

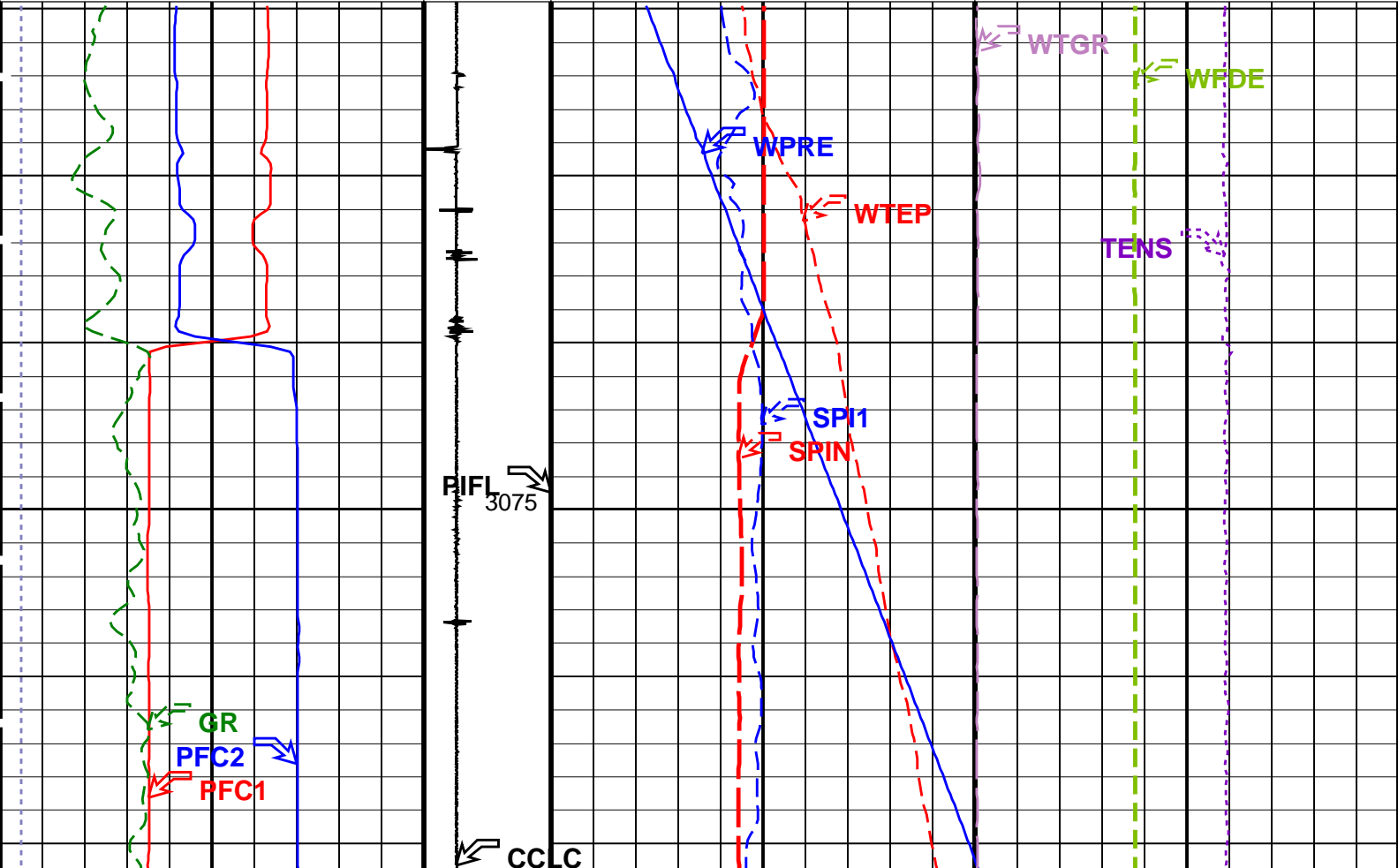
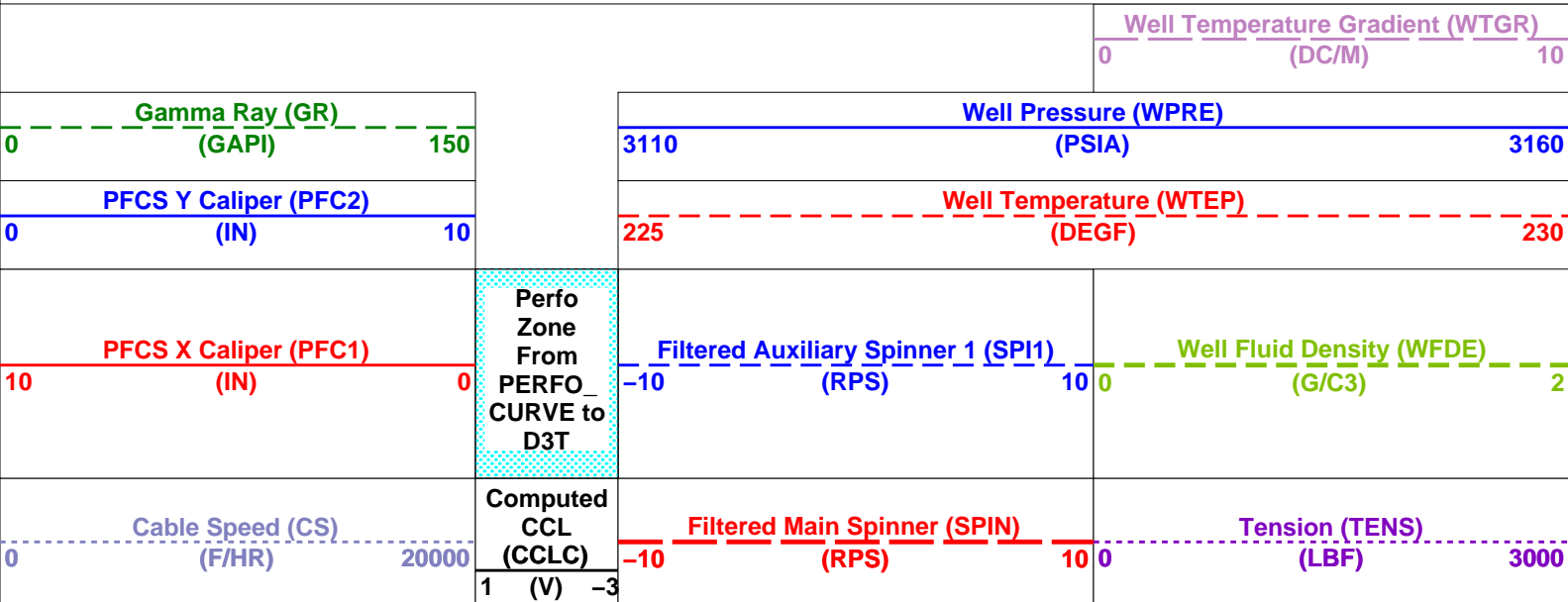
### OP System Version: 14C0-302

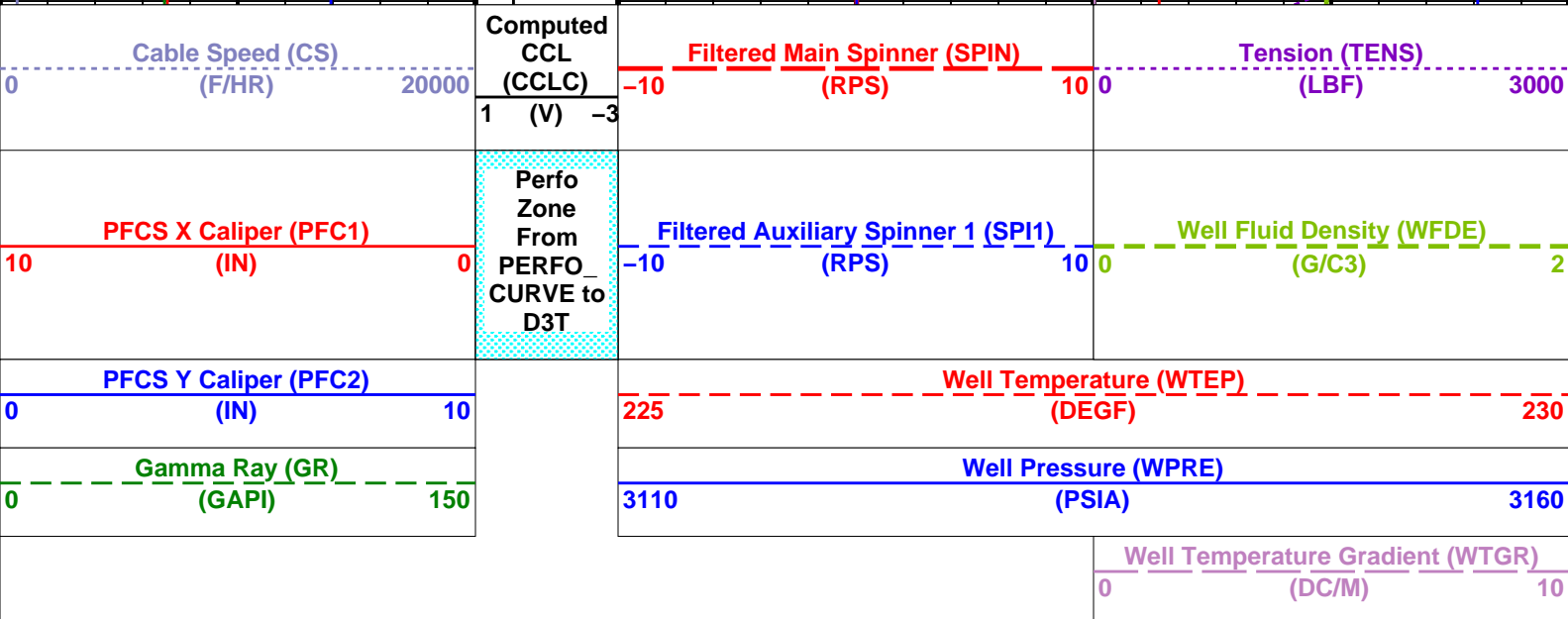
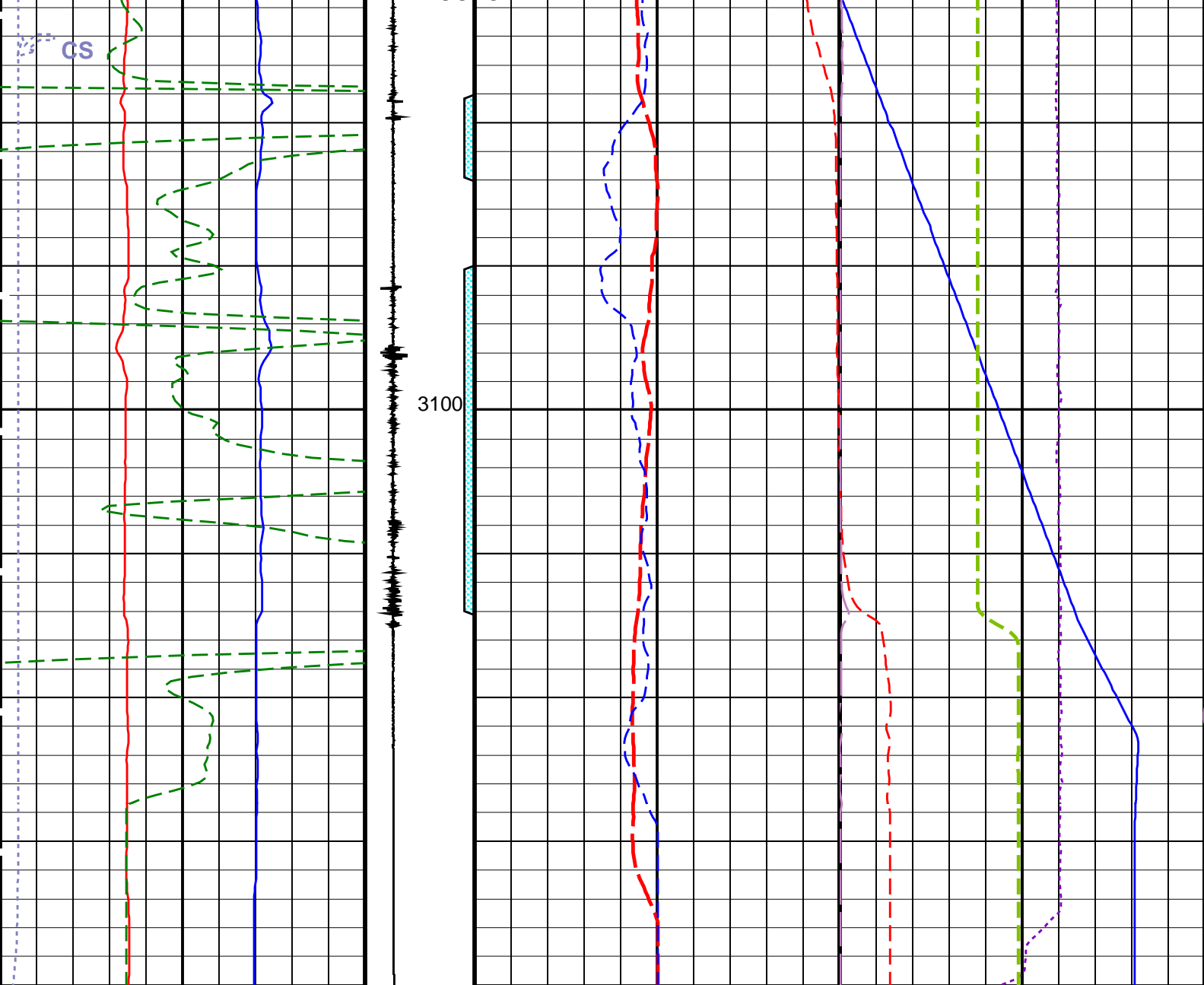
MCM

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

#### PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 13-Jun-2006 16:43

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-0.3 M
PP	Playback Processing	NORMAL

## Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_023LUP	FN:22	PRODUCER	13-Jun-2006 15:18	3120.4 M	3059.5 M
---------	-------------------------	-------	----------	-------------------	----------	----------

## Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_028PUP	FN:27	PRODUCER	13-Jun-2006 16:43		
---------	-------------------------	-------	----------	-------------------	--	--

## Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_023LUP	FN:22	PRODUCER	13-Jun-2006 15:18	3120.4 M	3059.5 M
---------	-------------------------	-------	----------	-------------------	----------	----------

## Output DLIS Files

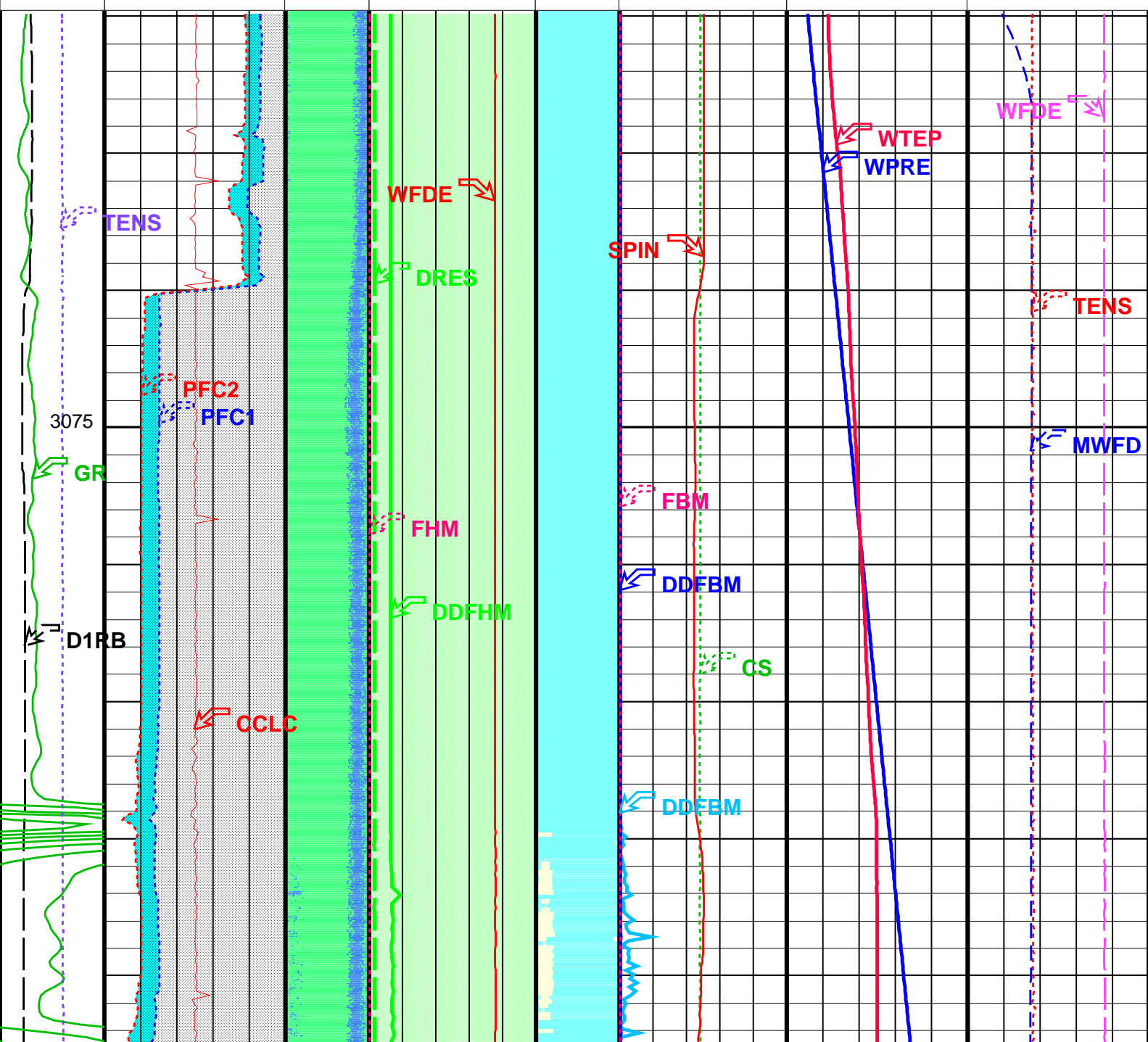
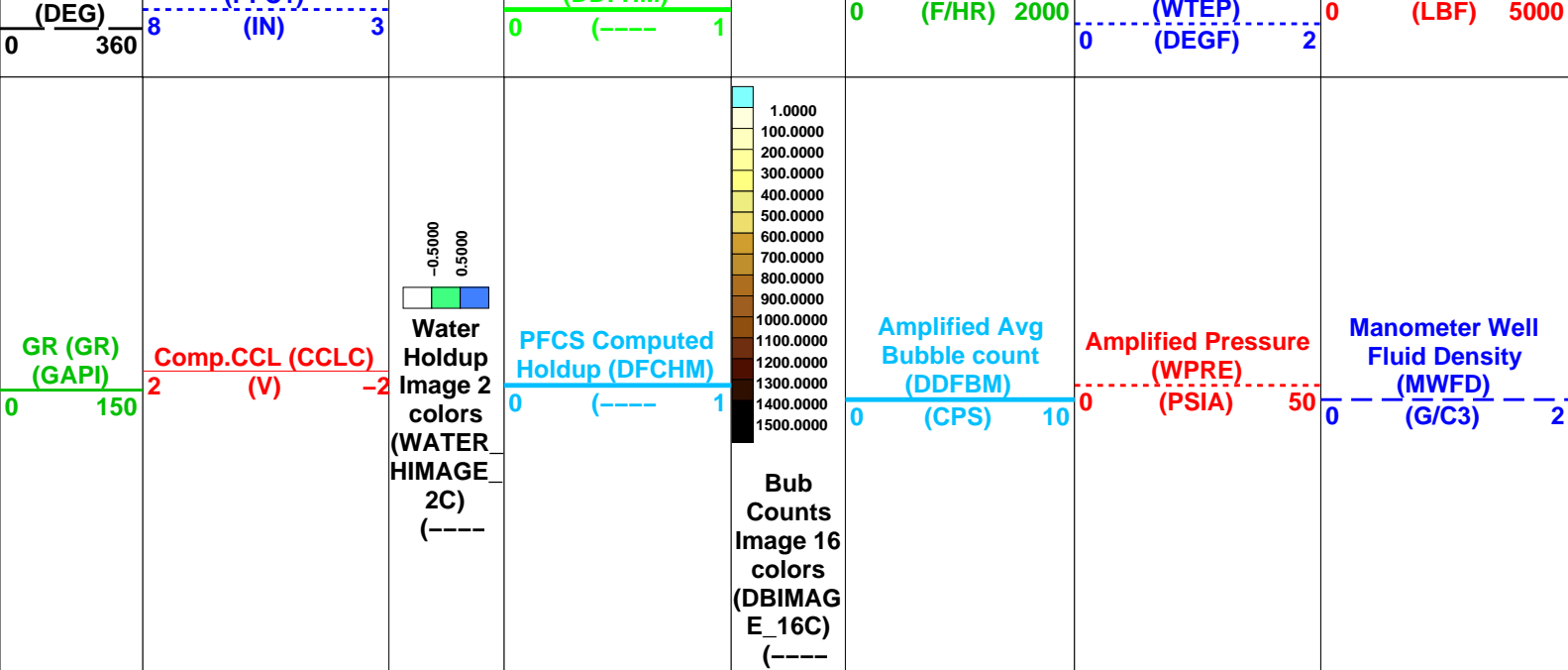
DEFAULT	FCS_DEFT_ILS_GMS_028PUP	FN:27	PRODUCER	13-Jun-2006 16:43	3120.1 M	3059.7 M
---------	-------------------------	-------	----------	-------------------	----------	----------

## OP System Version: 14C0-302

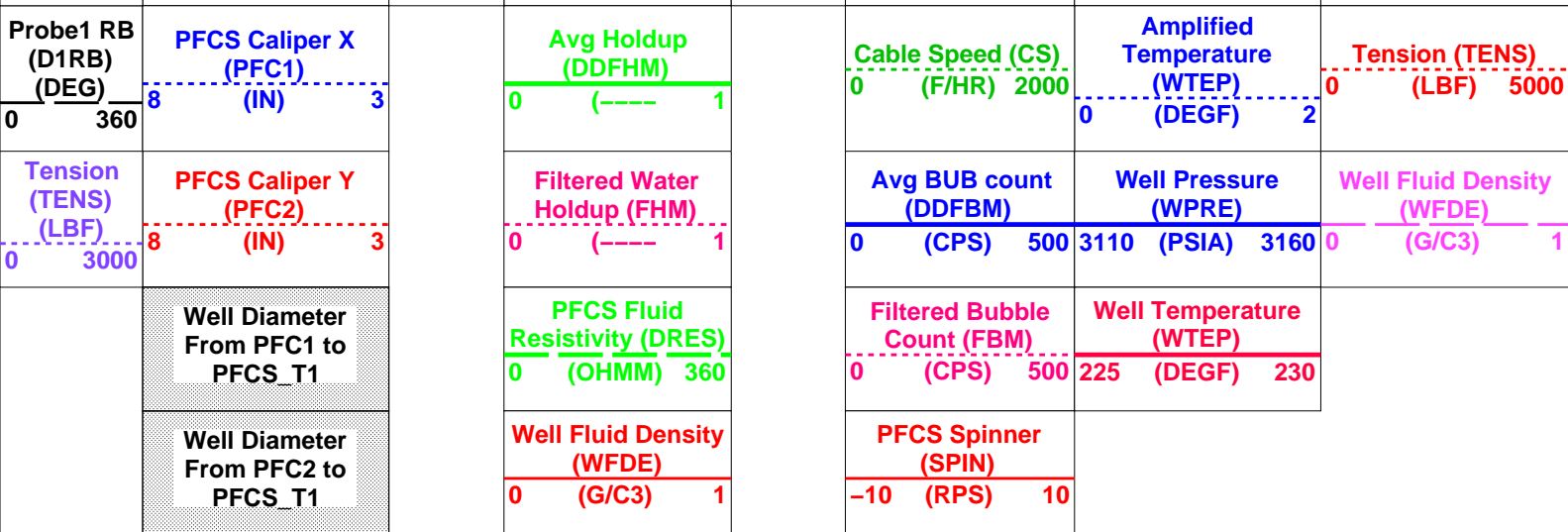
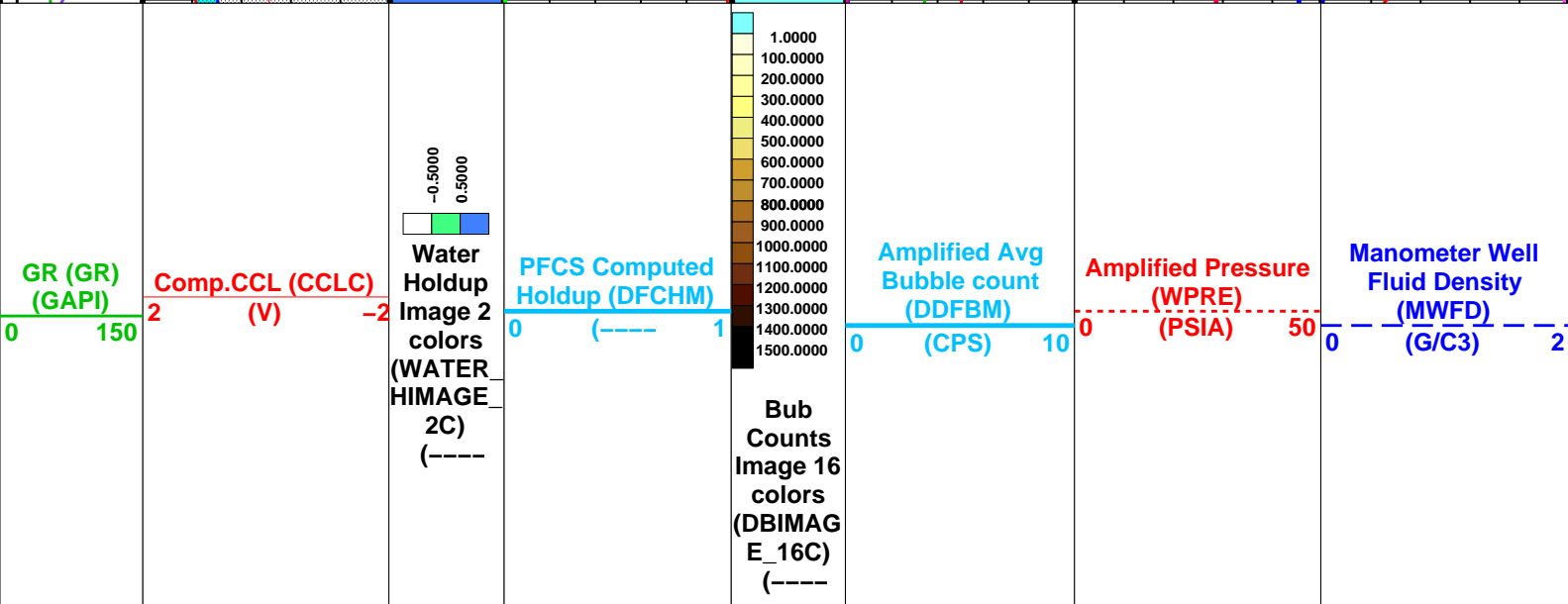
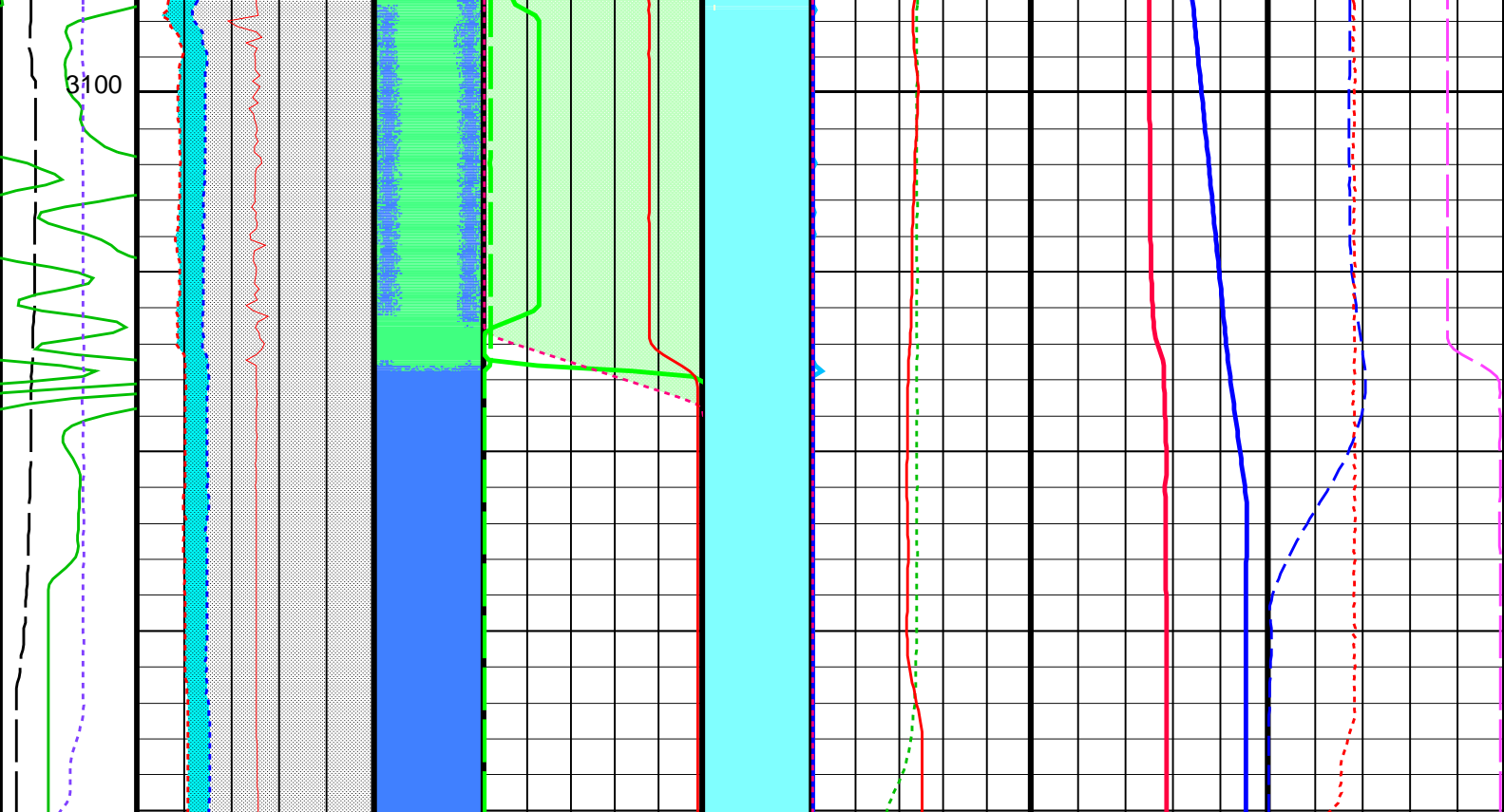
MCM

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

	Pipe Ovalisation Between PFC1 and PFC2					
	Well Diameter From PFC2 to PFCS_T1	Well Fluid Density (WFDE) 0 (G/C3) 1	PFCS Spinner (SPIN) -10 (RPS) 10			
	Well Diameter From PFC1 to PFCS_T1	PFCS Fluid Resistivity (DRES) 0 (OHMM) 360	Filtered Bubble Count (FBM) 0 (CPS) 500	Well Temperature (WTEP) 225 (DEGF) 230		
Tension (TENS) (LBF) 0 3000	PFCS Caliper Y (PFC2) 8 (IN) 3	Filtered Water Holdup (FHM) 0 (----) 1	Avg BUB count (DDFBM) 0 (CPS) 500	Well Pressure (WPRE) 3110 (PSIA) 3160	Well Fluid Density (WFDE) 0 (G/C3) 1	
Probe1 RB (D1RB)	PFCS Caliper X (PEC1)	Avg Holdup (DDFHM)	Cable Speed (CS)	Amplified Temperature	Tension (TENS)	







Pipe Ovalisation  
Between PFC1 and  
PFC2

OP System Version: 14C0-302

MCM

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

Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DDFI	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	40 DEG
PFGC	PFCS Geometrical coefficient	1200
PFRE1	Downhole Resistor Probe 1	3000 OHMS
PFRE2	Downhole Resistor Probe 2	3000 OHMS
PFRE3	Downhole Resistor Probe 3	3000 OHMS
PFRE4	Downhole Resistor Probe 4	3000 OHMS
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DDFI	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
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
CSIZ	Current Casing Size	7.625 IN
DO	Depth Offset for Playback	-0.3 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_023LUP	FN:22	PRODUCER	13-Jun-2006 15:18	3120.4 M	3059.5 M
---------	-------------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_028PUP	FN:27	PRODUCER	13-Jun-2006 16:43		
---------	-------------------------	-------	----------	-------------------	--	--

Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_023LUP	FN:22	PRODUCER	13-Jun-2006 15:18	3120.4 M	3059.5 M
---------	-------------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_028PUP	FN:27	PRODUCER	13-Jun-2006 16:43	3120.1 M	3059.7 M
---------	-------------------------	-------	----------	-------------------	----------	----------

OP System Version: 14C0-302  
MCM

PFCS-A

14C0-302

DEFT-C2

14C0-302

PILS-A

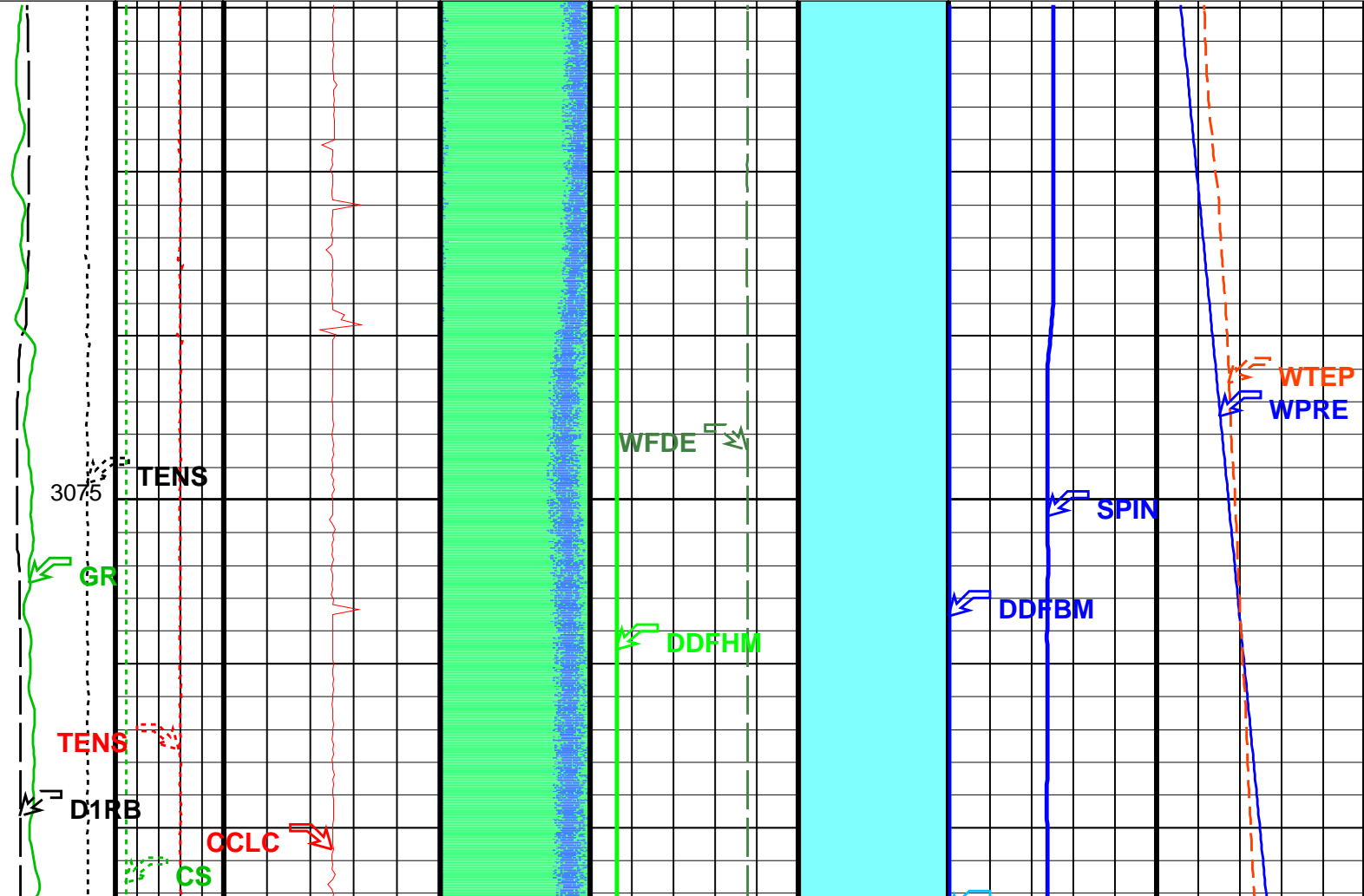
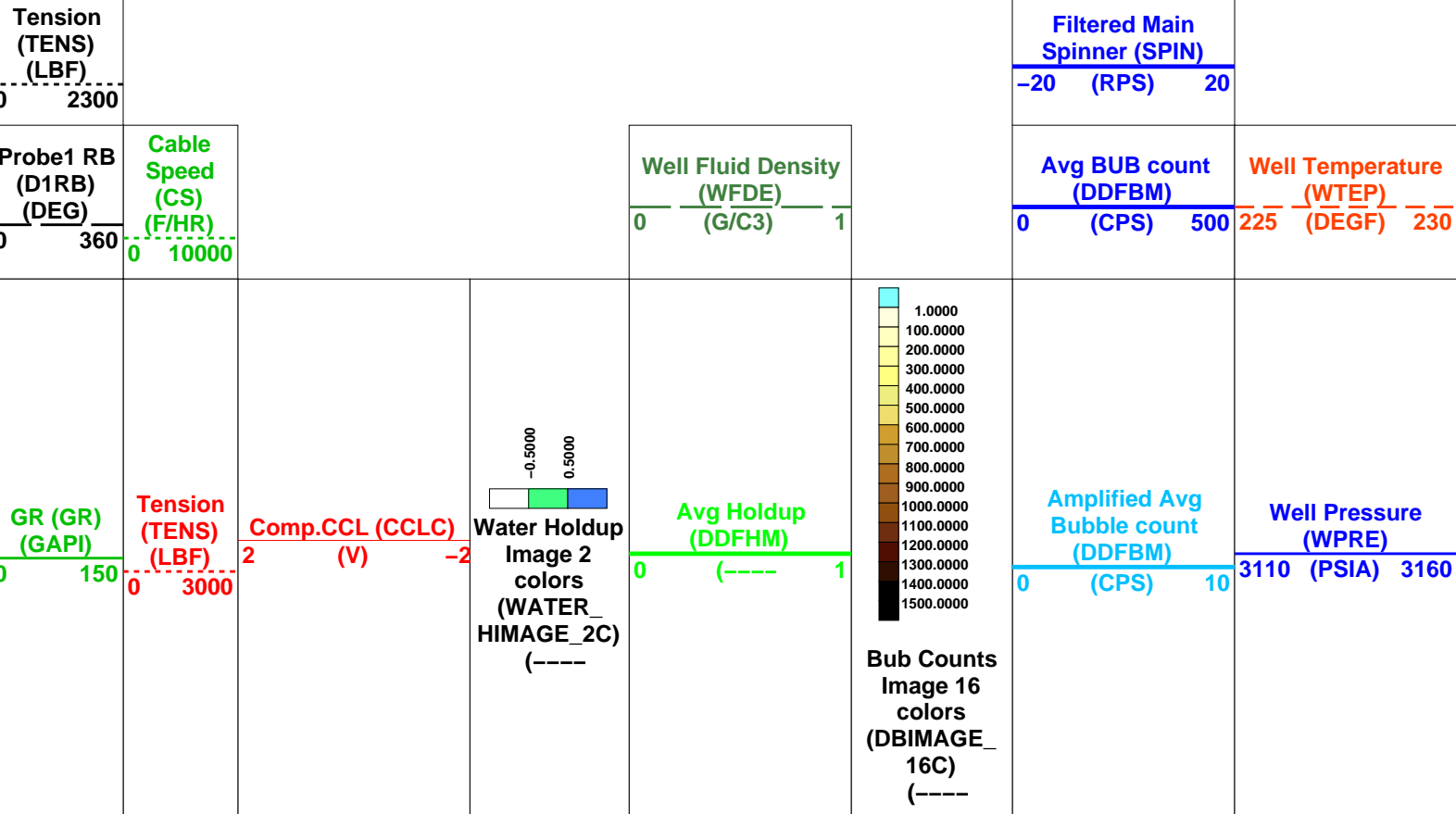
14C0-302

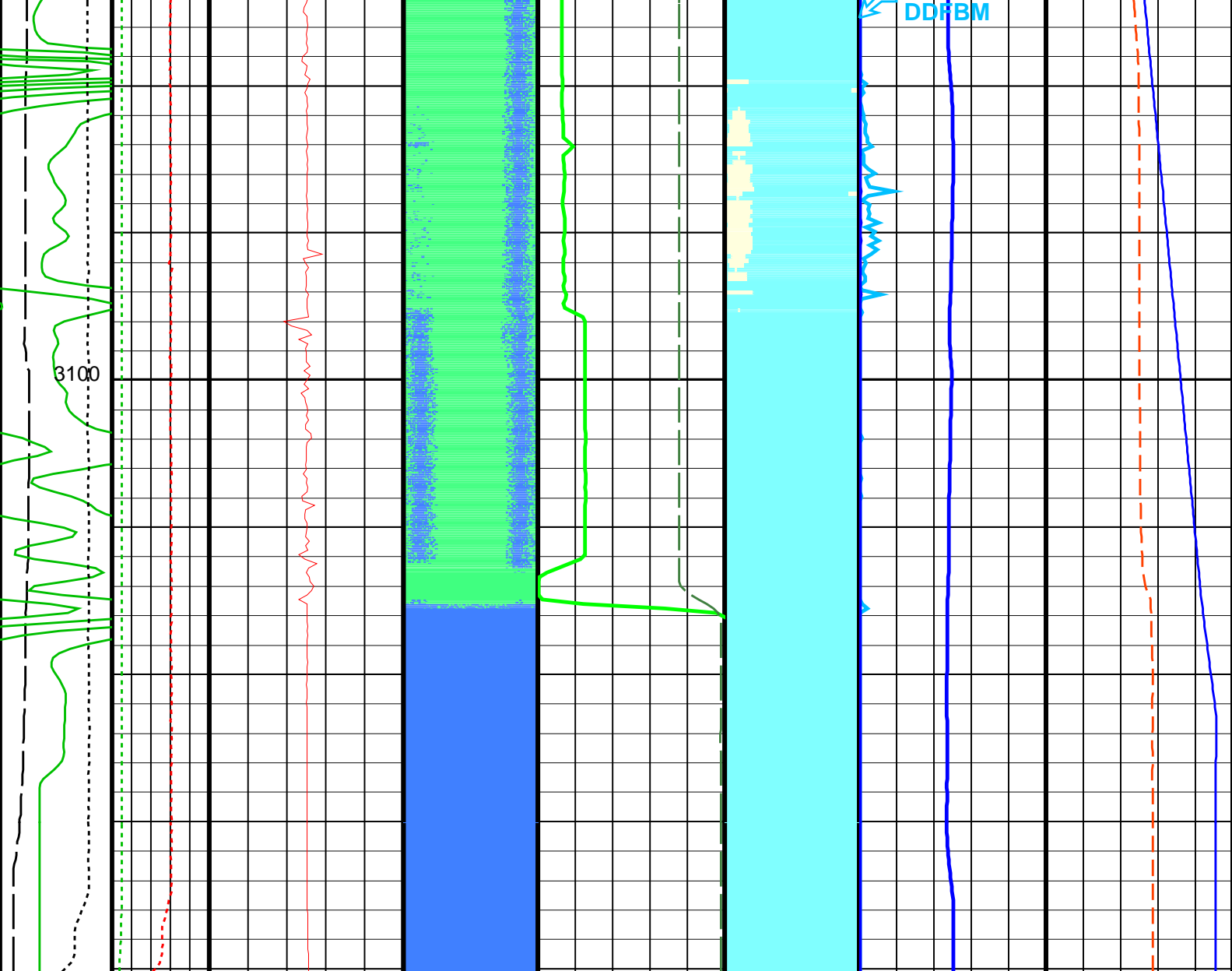
PGMC-A/B

14C0-302

PSPT-A/B

14C0-302





<div>GR (GR) (GAPI)</div> <div>0150</div>	<div>Tension (TENS) (LBF)</div> <div>03000</div>	<div>Comp.CCL (CCLC) (V)</div> <div>2-2</div>	<div><div><div>-0.50000.5000</div><div>Water Holdup Image 2 colors (WATER_ HIMAGE_2C) (----</div></div></div> <div>Avg Holdup (DDFHM)</div> <div>01</div>	<div><div><div>1.0000 100.0000 200.0000 300.0000 400.0000 500.0000 600.0000 700.0000 800.0000 900.0000 1000.0000 1100.0000 1200.0000 1300.0000 1400.0000 1500.0000</div><div>Bub Counts Image 16 colors (DBIMAGE_16C) (----</div></div></div>	<div>Amplified Avg Bubble count (DDFBM)</div> <div>010</div>	<div>Well Pressure (WPRE)</div> <div>3110 (PSIA) 3160</div>
<div>Probe1 RB (D1RB) (DEG)</div> <div>0360</div>	<div>Cable Speed (CS) (F/HR)</div> <div>010000</div>	<div>Well Fluid Density (WFDE) (G/C3)</div> <div>01</div>		<div>Avg BUB count (DDFBM)</div> <div>0500</div>	<div>Well Temperature (WTEP) (DEGF)</div> <div>225230</div>	
<div>Tension (TENS) (LBF)</div> <div>02300</div>				<div>Filtered Main Spinner (SPIN)</div> <div>-20 (RPS) 20</div>		

OP System Version: 14C0-302  
MCM

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

Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
DFPP	Probes Arm Position	C
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
DEFT-C2: DEFT_C Tool		
CSID	Casing Size I.D.	6.875 IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB
DDRS	Dual DEFT RB Source	D1RB
DFBD	DEFT Blank Disallowed Probes	NO
DFFI	DEFT Flip Image	NO
DFII	DEFT Image Interpolation	YES
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
CSID	Casing Size I.D.	6.875 IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
CSID	Casing Size I.D.	6.875 IN
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
BORDYN: BorDyn (Well Test Validation)		
CSID	Casing Size I.D.	6.875 IN
System and Miscellaneous		
DO	Depth Offset for Playback	-0.3 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_023LUP	FN:22	PRODUCER	13-Jun-2006 15:18	3120.4 M	3059.5 M
---------	-------------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_028PUP	FN:27	PRODUCER	13-Jun-2006 16:43		
---------	-------------------------	-------	----------	-------------------	--	--



Shut In Baseline Pass  
Down @ 10m / min

MAXIS Field Log

Input DLIS Files

Output DLIS Files

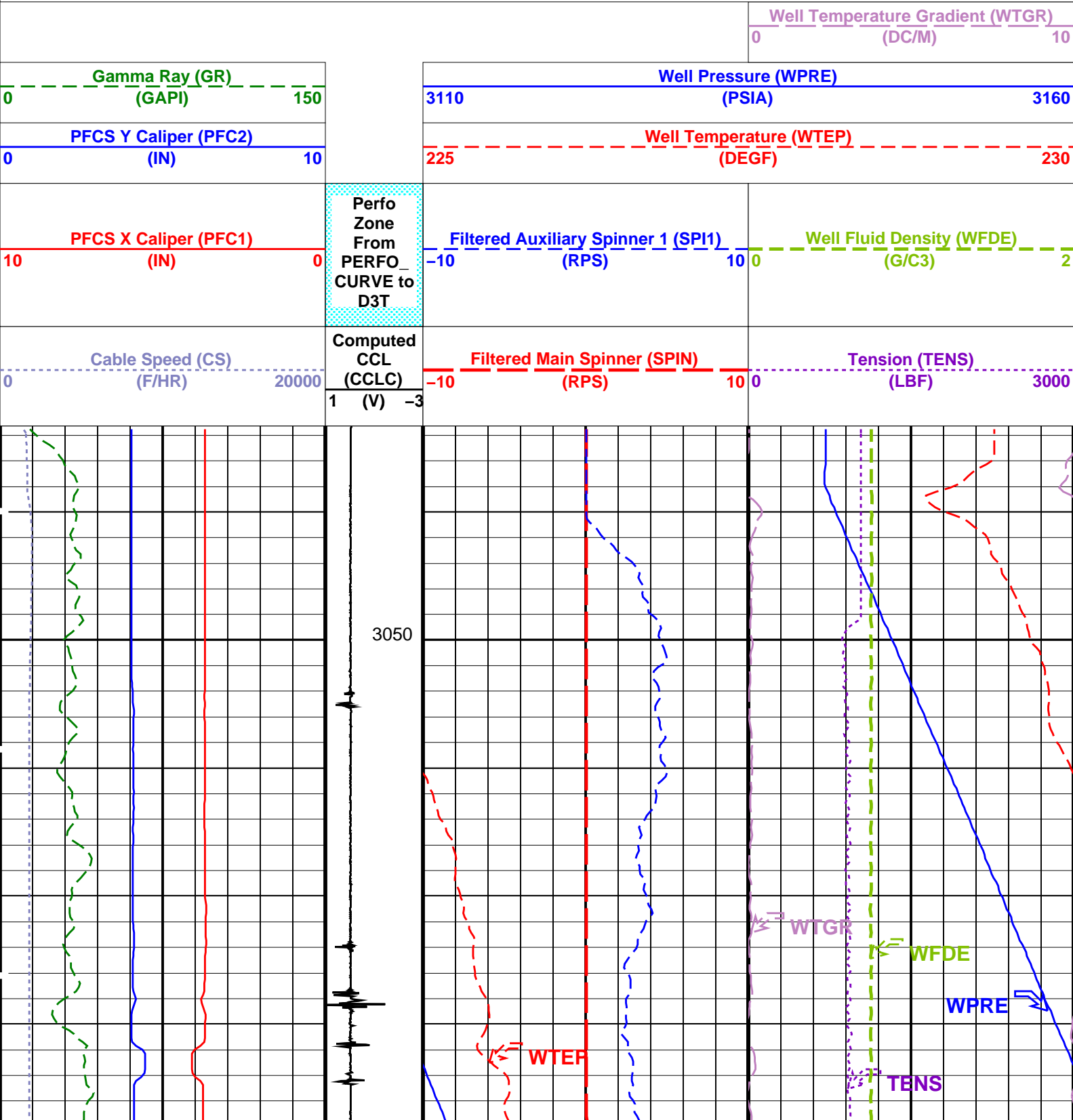
OP System Version: 14C0-302

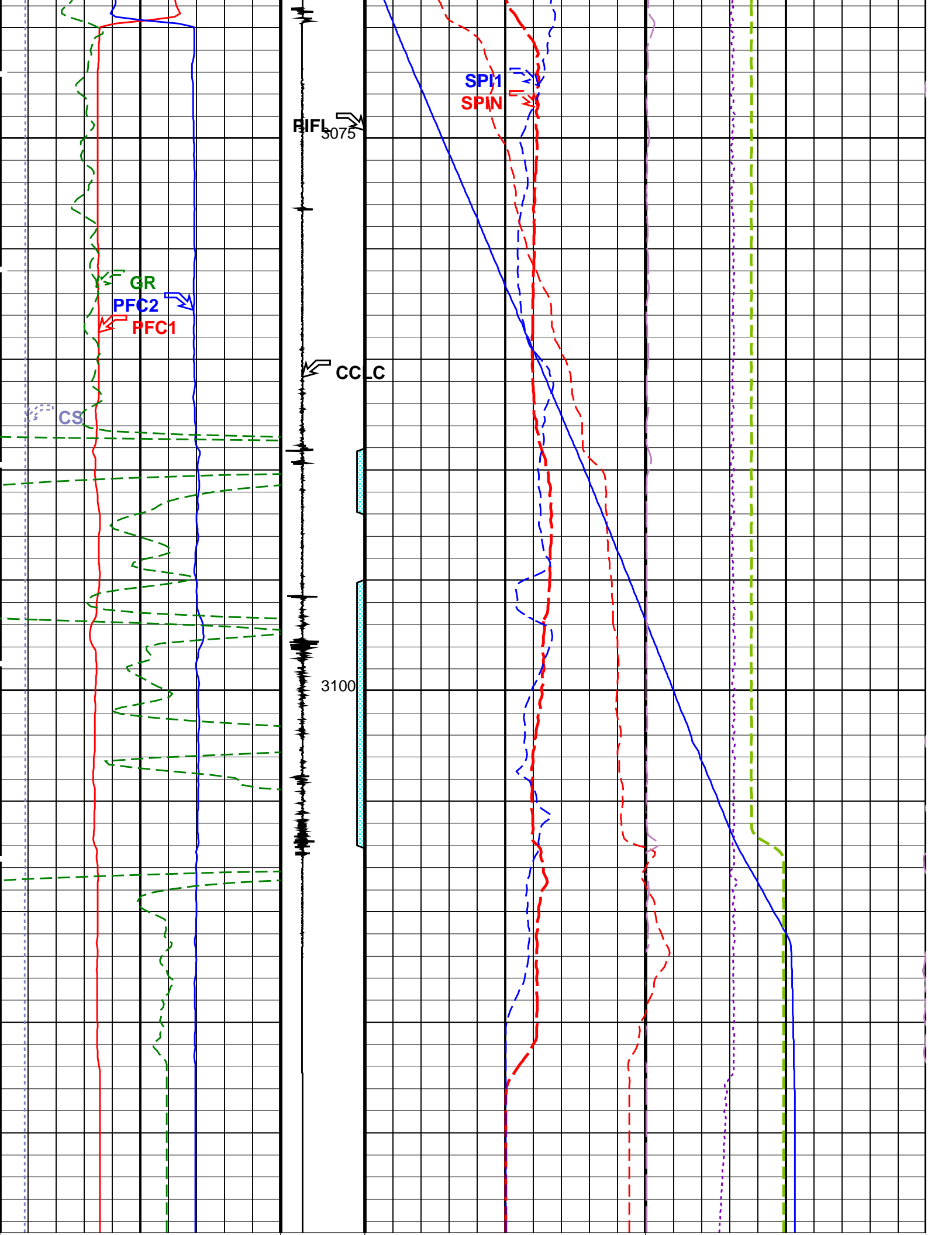
MCM

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

PIP SUMMARY

Time Mark Every 60 S







Cable Speed (CS) (F/HR) 20000	Computed CCL (CCLC) 1 (V) -3	Filtered Main Spinner (SPIN) (RPS) -10 10	Tension (TENS) (LBF) 0 3000
PFCS X Caliper (PFC1) (IN) 10 0	Perfo Zone From PERFO_CURVE to D3T	Filtered Auxiliary Spinner 1 (SPI1) (RPS) -10 10	Well Fluid Density (WFDE) (G/C3) 0 2
PFCS Y Caliper (PFC2) (IN) 0 10		Well Temperature (WTEP) (DEGF) 225 230	
Gamma Ray (GR) (GAPI) 0 150		Well Pressure (WPRE) (PSIA) 3110 3160	
			Well Temperature Gradient (WTGR) (DC/M) 0 10

### PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1      Vertical Scale: 1:200      Graphics File Created: 13-Jun-2006 16:50

## OP System Version: 14C0-302

MCM

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

## Parameters

DLIS Name	Description	Value
PFCS-A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PILS-A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS-A
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
PGMC-A/B: PSP Gradiomanometer Measurement Module		
GCPG	Gradio Surf.Cal Diff.Pres Gain	1
GCPO	Gradio Surf.Cal Diff.Pres Offset	0 KPAA
PDSH	Gradio Correction Density Shift	0 G/C3
PSPT-A/B: Production Services Logging Platform		
GDEV	Average Angular Deviation of Borehole from Normal	40 DEG
System and Miscellaneous		
DO	Depth Offset for Playback	-1.3 M
PP	Playback Processing	NORMAL

## Input DLIS Files

DEFAULT	Flip_FCS_DEFT_ILS_029LUP	PRODUCER	13-Jun-2006 16:45	3125.9 M	3042.5 M
---------	--------------------------	----------	-------------------	----------	----------

## Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_033PUP	FN:29	PRODUCER	13-Jun-2006 16:50	
---------	-------------------------	-------	----------	-------------------	--

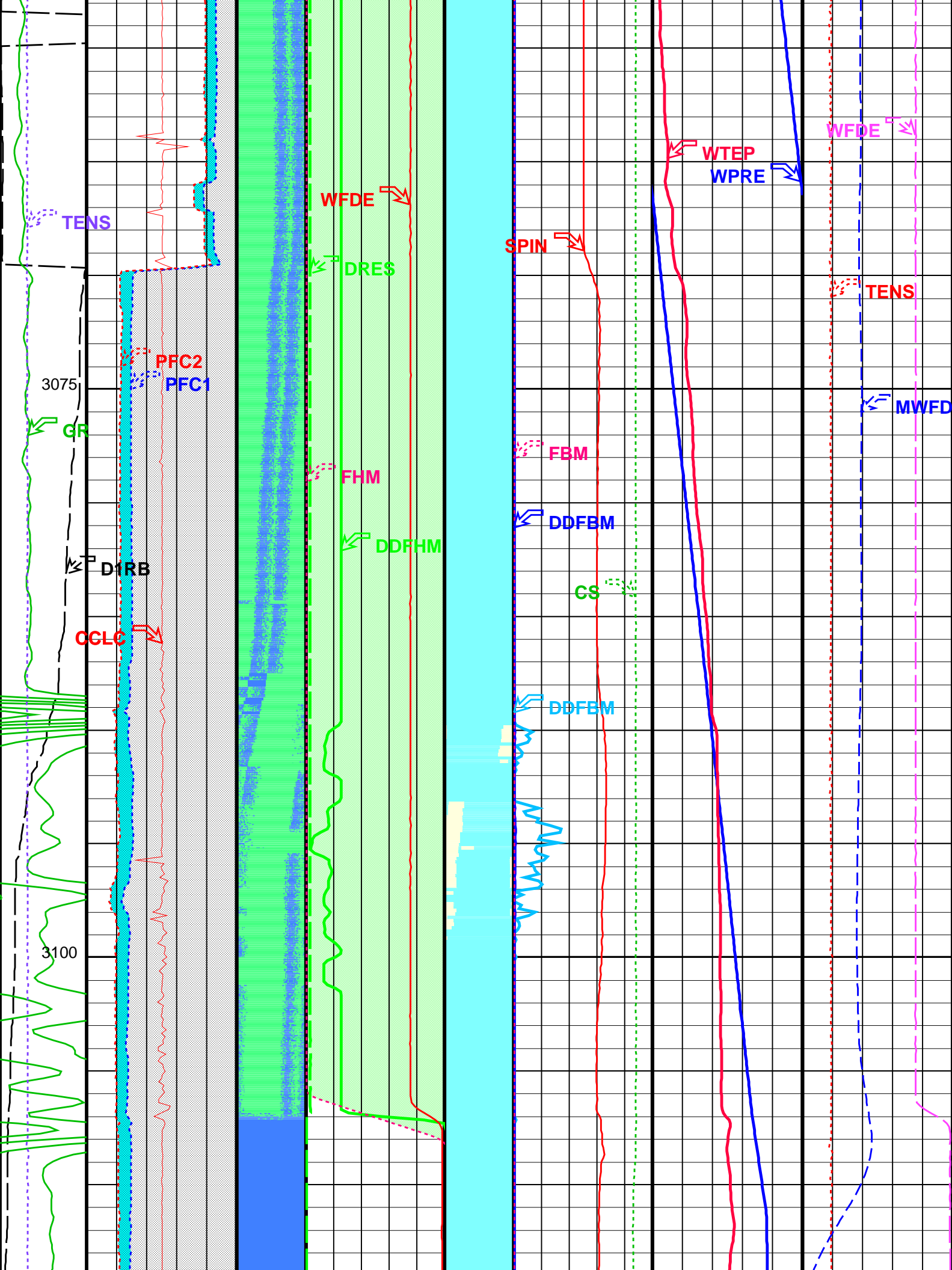
## Input DLIS Files

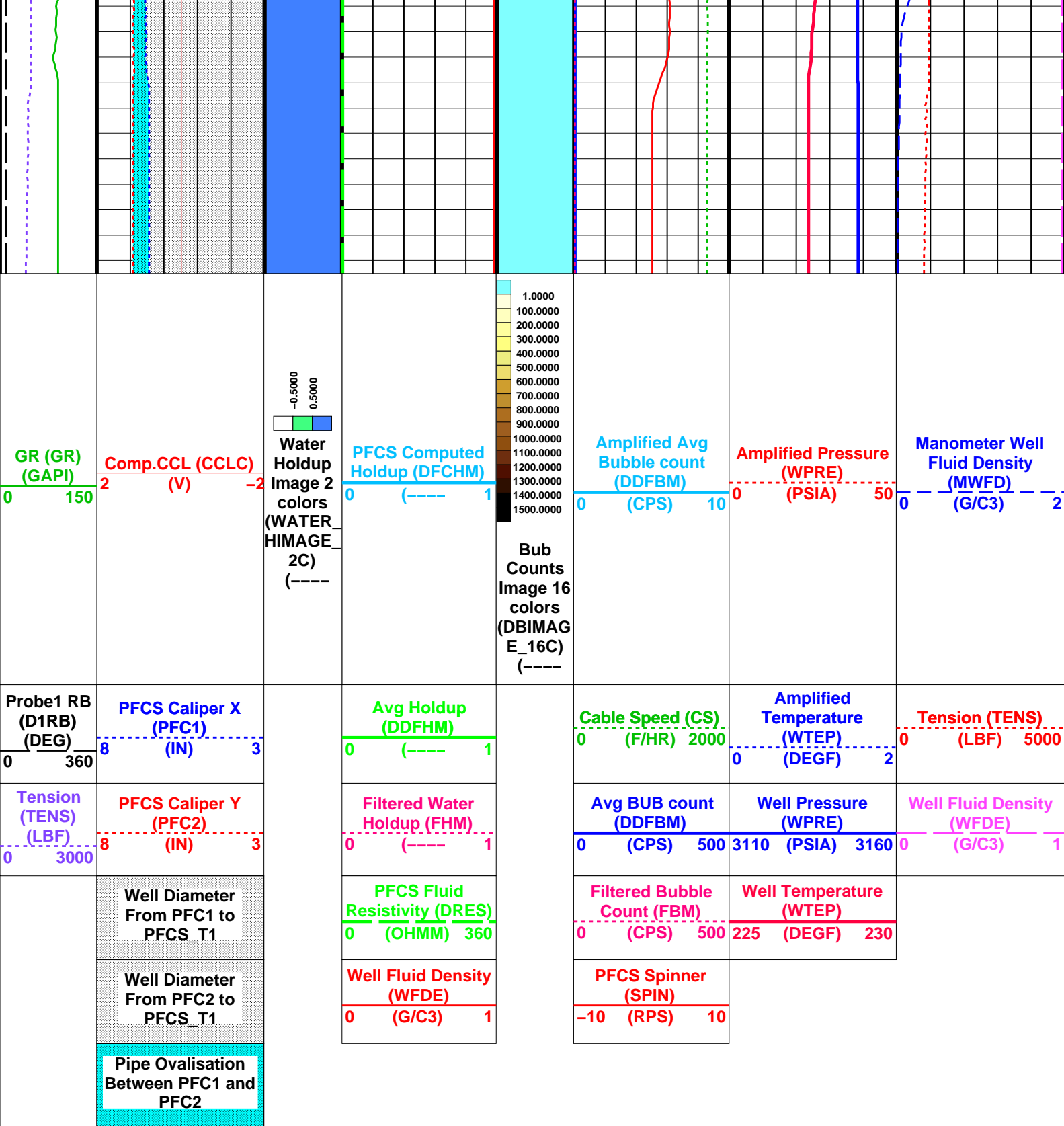
DEFAULT	Flip_FCS_DEFT_ILS_029LUP	PRODUCER	13-Jun-2006 16:45	3125.9 M	3042.5 M
---------	--------------------------	----------	-------------------	----------	----------

## Output DLIS Files

DEFAULT	FCS_DEFT_ILS_GMS_033PUP	FN:29	PRODUCER	13-Jun-2006 16:50	3124.5 M	3041.6 M
---------	-------------------------	-------	----------	-------------------	----------	----------







Format: PFCS\_Image\_DL Vertical Scale: 1:200 Graphics File Created: 13-Jun-2006 16:50

## OP System Version: 14C0-302

MCM

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

## Parameters

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

AMOD	PFCS-A: PSP Flow and caliper Tool Spinner Filter Averaging Mode	LINEAR AVERAGE
------	--	----------------



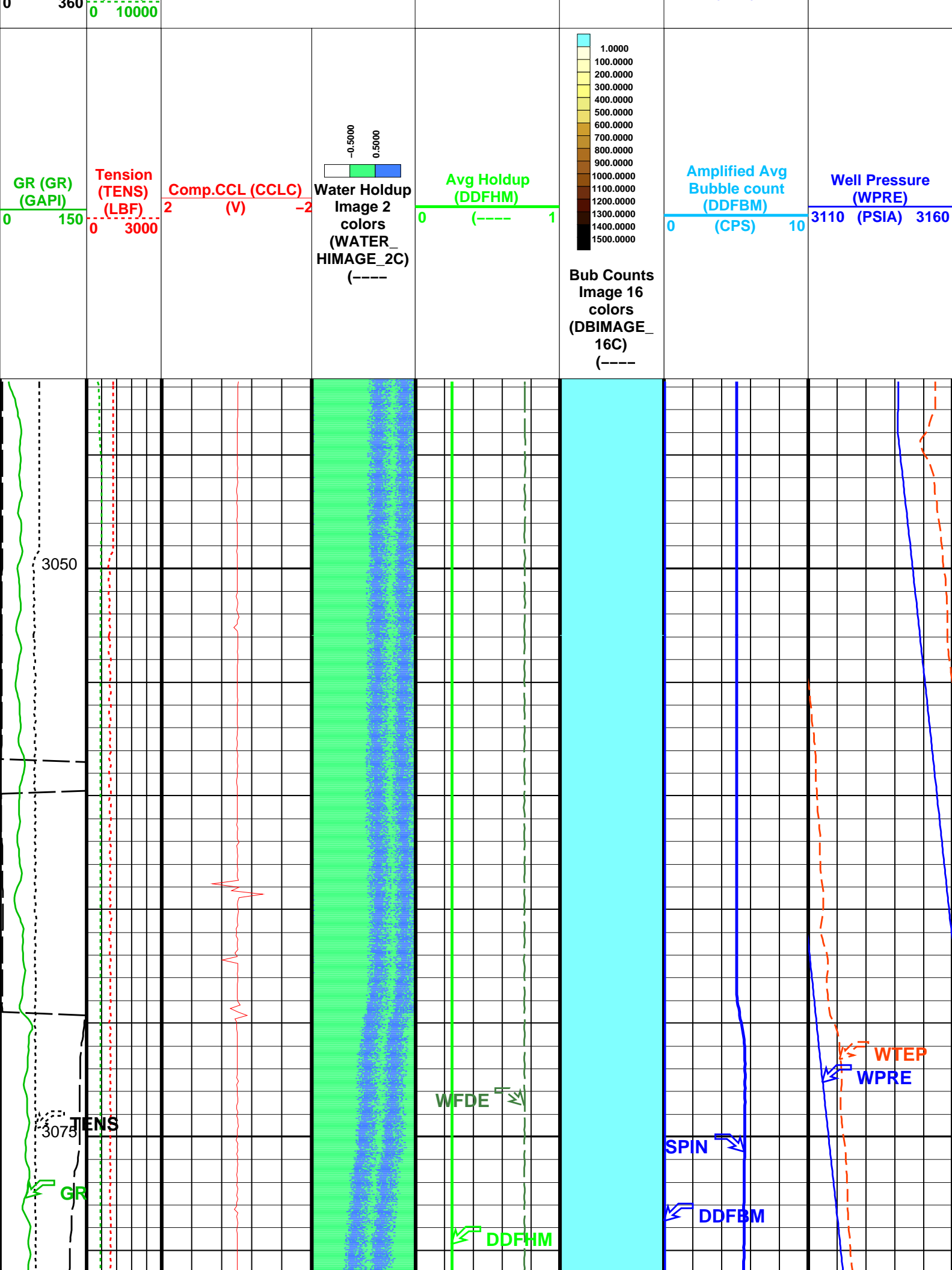
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
PFGC	PFCS Geometrical coefficient	1200	
PFRE1	Downhole Resistor Probe 1	3000	OHMS
PFRE2	Downhole Resistor Probe 2	3000	OHMS
PFRE3	Downhole Resistor Probe 3	3000	OHMS
PFRE4	Downhole Resistor Probe 4	3000	OHMS
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP2	Probes Arm Position (2nd tool)	D	
PFGC	PFCS Geometrical coefficient	1200	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPD	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
CSIZ	Current Casing Size	7.625	IN
DO	Depth Offset for Playback	-1.3	M
PP	Playback Processing	NORMAL	

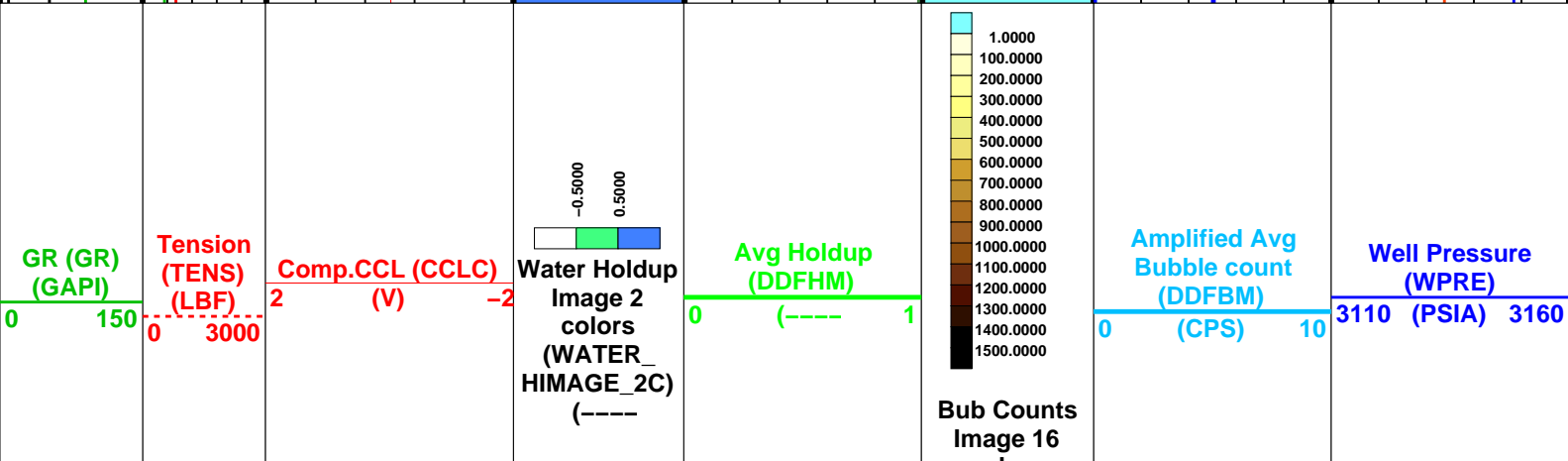
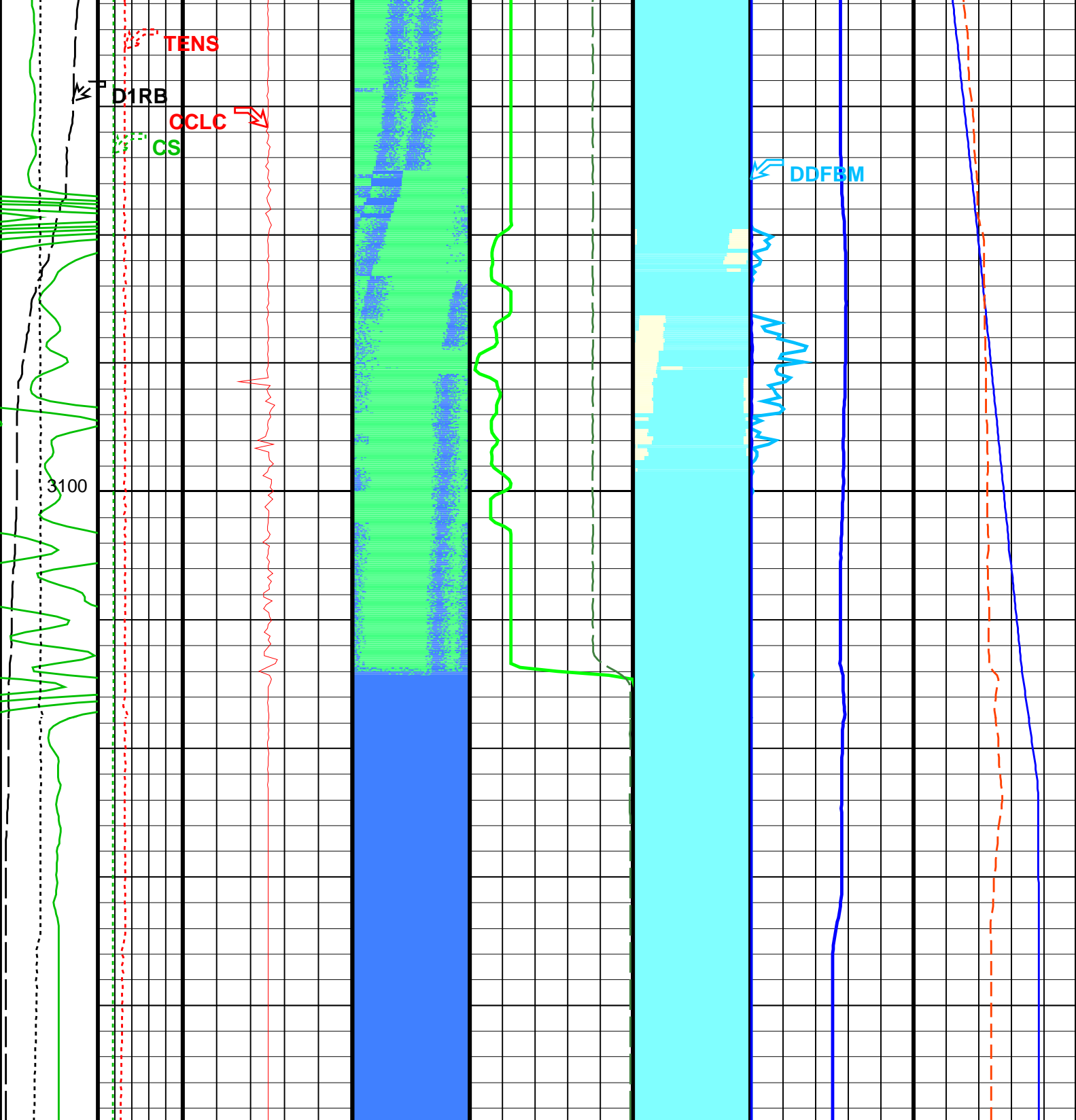
Input DLIS Files						
DEFAULT	Flip_FCS_DEFT_ILS_029LUP	PRODUCER	13-Jun-2006 16:45	3125.9 M	3042.5 M	
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_033PUP	FN:29	PRODUCER	13-Jun-2006 16:50		

Input DLIS Files						
DEFAULT	Flip_FCS_DEFT_ILS_029LUP	PRODUCER	13-Jun-2006 16:45	3125.9 M	3042.5 M	
Output DLIS Files						
DEFAULT	FCS_DEFT_ILS_GMS_033PUP	FN:29	PRODUCER	13-Jun-2006 16:50	3124.5 M	3041.6 M

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

Tension (TENS) (LBF)				Filtered Main Spinner (SPIN)	
0 2300				-20 (RPS) 20	
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)	Well Fluid Density (WFDE) (G/C3)		Avg BUB count (DDFBM) (CPS)	Well Temperature (WTEP) (DEGF)
0 2300		0 1		0 500	225 230







					colors (DBIMAGE_16C) (----		
Probe1 RB (D1RB) (DEG)	Cable Speed (CS) (F/HR)			Well Fluid Density (WFDE) (G/C3)		Avg BUB count (DDFBM) (CPS)	Well Temperature (WTEP) (DEGF)
0 360	0 10000			0 1		0 500	225 230
Tension (TENS) (LBF)						Filtered Main Spinner (SPIN) (RPS)	
0 2300						-20 20	

Format: DEFT\_Image\_DL

Vertical Scale: 1:200

Graphics File Created: 13-Jun-2006 16:50

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

Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
DFPP	Probes Arm Position	C	
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
DEFT-C2: DEFT_C Tool			
CSID	Casing Size I.D.	6.875	IN
DDRC	Dual DEFT DELTA RB COMPUTATION	D1RB2-D1RB	
DDRS	Dual DEFT RB Source	D1RB	
DFBD	DEFT Blank Disallowed Probes	NO	
DFFI	DEFT Flip Image	NO	
DFII	DEFT Image Interpolation	YES	
DFIRS	DEFT Image Rotation Selection	TOP_MIDDLE	
PILS-A: PSP In Line Spinner Flowmeter			
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5	
PGMC-A/B: PSP Gradiomanometer Measurement Module			
CSID	Casing Size I.D.	6.875	IN
GCPG	Gradio Surf.Cal Diff.Pres Gain	1	
GCPO	Gradio Surf.Cal Diff.Pres Offset	0	KPAA
PDSH	Gradio Correction Density Shift	0	G/C3
PSPT-A/B: Production Services Logging Platform			
CSID	Casing Size I.D.	6.875	IN
GDEV	Average Angular Deviation of Borehole from Normal	40	DEG
BORDYN: BorDyn (Well Test Validation)			
CSID	Casing Size I.D.	6.875	IN
System and Miscellaneous			
DO	Depth Offset for Playback	-1.3	M
PP	Playback Processing	NORMAL	

Input DLIS Files					
DEFAULT	Flip_FCS_DEFT_ILS_029LUP	PRODUCER	13-Jun-2006 16:45	3125.9 M	3042.5 M
Output DLIS Files					
DEFAULT	FCS_DEFT_ILS_GMS_033PUP	FN:29	PRODUCER	13-Jun-2006 16:50	

## 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: 10–Jun–2006 12:46							
PFCS CaliperX Small Ring	5.500	N/A	5.308	N/A	N/A	N/A	IN
PFCS CaliperX Large Ring	8.000	N/A	7.959	N/A	N/A	N/A	IN
PFCS CaliperY Small Ring	5.500	N/A	5.232	N/A	N/A	N/A	IN
PFCS CaliperY Large Ring	8.000	N/A	7.807	N/A	N/A	N/A	IN
DEFT_C Tool Wellsite Calibration – DEFT_C2 Caliper Calibration							
Before: 10–Jun–2006 12:46							
DEFT–C2 Caliper Small Ring	5.500	N/A	5.210	N/A	N/A	N/A	IN
DEFT–C2 Caliper Large Ring	8.000	N/A	7.639	N/A	N/A	N/A	IN
Production Services Logging Platform Wellsite Calibration – Detector Calibration							
Before: 10–Jun–2006 12:49							
Gamma–Ray Jig–Bkg	125.0	N/A	119.4	N/A	N/A	N/A	GAPI

### PSP Flow and caliper Tool / Equipment Identification

#### Primary Equipment:

PFCS Cartridge	PFCC – A	831
PFCS Caliper	Cali –	831
PFCS Relative Bearing	Rela –	831
PFCS 3.5 Spinner Diameter	Spin –	831
PFCS Fluid Holdup Electric Probes	Hold –	831

#### Auxiliary Equipment:

PFCS Cartridge Housing	PFCH – A	831
------------------------	----------	-----

### PSP Flow and caliper Tool Wellsite Calibration

#### PFCS Caliper Calibration

Phase	PFCS CaliperX Small Ring IN		Value	Phase	PFCS CaliperX Large Ring IN		Value	Phase	PFCS CaliperY Small Ring IN		Value
Before			5.308	Before			7.959	Before			5.232
	N/A (Minimum)	5.500 (Nominal)	N/A (Maximum)		N/A (Minimum)	8.000 (Nominal)	N/A (Maximum)		N/A (Minimum)	5.500 (Nominal)	N/A (Maximum)
Phase	PFCS CaliperY Large Ring IN		Value								
Before			7.807								
	N/A (Minimum)	8.000 (Nominal)	N/A (Maximum)								
Before: 10-Jun-2006 12:46											

Before: 10–Jun–2006 12:46



### 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
-------------------------	----------	-----

DEFT_C Tool Wellsite Calibration					
DEFT_C2 Caliper Calibration					
Phase	DEFT-C2 Caliper Small Ring IN	Value	Phase	DEFT-C2 Caliper Large Ring IN	Value
Before		5.210	Before		7.639
	N/A (Minimum)      5.500 (Nominal)      N/A (Maximum)			N/A (Minimum)      8.000 (Nominal)      N/A (Maximum)	
Before: 10-Jun-2006 12:46					

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 -	33153
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		5.377	Before		119.4
	0 (Minimum)      30.00 (Nominal)      120.0 (Maximum)			110.0 (Minimum)      125.0 (Nominal)      140.0 (Maximum)	
Before: 10-Jun-2006 12:49					

Company: **Esso Australia Ltd.**

**Schlumberger**

Well: **A-18**

Field: **Fortescue**

Rig: **Prod4/Crane**

Country: **Australia**

Spinner-Gr-Pressure

Dual Deft-Gradio-Ccl

Temp-Survey