

Company: Esso Australia Pty Ltd.

Well: A-6a

Field: Halibut

Rig: Crane / Prod 2

Country: Australia

Press, Temp, & Spinner Survey
Reservoir Saturation Survey
MAXIS Operating SystemField: Halibut
Location: Gippsland
Well: A-6a
Company: Esso Australia Pty Ltd.

LOCATION

Gippsland	Elev.: K.B. 29.45 m
Basin	G.L. -73 m
Bass Strait	D.F. 29.45 m
Permanent Datum:	Mean Sea Level
Log Measured From:	Kelly Bushing
Drilling Measured From:	Kelly Bushing
State: Victoria	Max. Well Deviation 63 deg
	Longitude 148°19' 07.62"E
	Latitude 38°24' 20.36"S

Logging Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Fluid Type

Salinity

Density

Fluid Level

BIT/CASING/TUBING STRING

Bit Size

From

To

Casing/Tubing Size

Weight

Grade

L-80

From

To

Maximum Recorded Temperatures

Logger On Bottom

Unit Number

Location

Recorded By

Witnessed By

PVT DATA

Oil Density	Run 1	Run 2	Run 3
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	63 deg		
CEMENTING DATA			
Primary/Squeeze	Primary		
Casing String No			
Lead Cement Type			
Volume			
Density			
Water Loss			
Additives			
Tail Cement Type			
Volume			
Density			
Water Loss			
Additives			
Expected Cement Top			
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Fluid Type			
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size			
From			
To			
Casing/Tubing Size			
Weight			
Grade			
From			
To			
Maximum Recorded Temperatures			
Logger On Bottom			
Unit Number			
Location			
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

Date Created: 5-JUN-2006 22:27:13

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-H	Type:	CMTD-B/A	Type:	2-32ZT
Serial Number:	794	Serial Number:	1711	Serial Number:	24031
Calibration Date:	7-May-2006	Calibration Date:	19-Apr-2006	Length:	6249.92 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1173	Conveyance Method: Wireline Rig Type: Offshore_Fixed	
Calibration Cable Type:	2-32ZT	Calibration Gain:	1.02		
Wheel Correction 1:	1	Calibration Offset:	306.00		
Wheel Correction 2:	2				

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	HALIBUT A6a Correlation Logs
Reference Log Run Number:	1
Reference Log Date:	26-Dec-2003
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. All Schlumberger Depth Control Policies followed.
2. Correlation log provided by Esso.
3. Gamma Ray response used for correlation.
4. IDW used as Primary Depth Control.
5. Z-Chart used as Secondary Depth Control.
6.

DISCLAIMER

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OTHER SERVICES1	OTHER SERVICES2
OS1: 2-1/8" Enerjet	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
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Log objectives:

1. Conduct two shut-in RST-Sigma, pressure, and temperature passes over interval HUD to 3125m MDKB @ 900 fph.

2. Conduct flowing Sigma, pressure, temperature, and spinner survey over interval 3208m to 3125m MDKB (up/down @ 10m/min & @ 30m/min).
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Correlated to "HALIBUT A6A Correlation Logs" (26-Dec-2003) provided by Esso

Tool string as per enclosed sketch.

Well sketch from Halibut A-6a Wireline Program (17-May-2006)
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IHP: 38 psi IHT: 61 degF; BHP: 3322 psi BHT: 226 degF					
Total Hang Up Depth = 3444.2m MDKB					
Same casing ID, OD, and weight parameters were used as in the RST log from					
25-May-2004. Extra tubing weight has not been accounted for.					
This job was completed over two days due to unsafe weather conditions. Baseline					
was completed on 30-May-2006; remaining passes completed on 31-May-2006.					
Maximum logging speed for RST in Sigma mode is 20m/min.					
Day crew: P. Lawrence and B. Flynn Night crew: D. Stuckey and J. Annear					
Performed by Schlumberger.					

RUN 1			RUN 2		
SERVICE ORDER #: AUSL06185782			SERVICE ORDER #:		
PROGRAM VERSION: 14C0-302			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT	
WITM-A 415 PSC_16MHZ	

DOWNHOLE EQUIPMENT	
MH-SWHS-A MH-SWHS-A 754	15.93
EQF-46 EQF-46 210	15.53
EQF-46 EQF-46 211	13.70
PSPT-B PSC-A PSPT-B PSTC 806 PBMS-B 827 CQG_F_Mano RTD Thermometer GR 33143 CCL PBMS	11.88
Detail MT TelStatus CTEM	11.88
GR	10.75
Well_Temp CQG Manom CCL PBMS PSTC	9.82 9.71 9.58 9.36
PILS-A PILS-A Spinner	9.36
RST-C RSCH-A 45 RSC-C 57 RSS-A 45 RSXH-A 63 RSX-C 59	8.58
RSC-A Far RSC-A PNG RSC-A Nea	5.81

RSX-A PNG
5.65

PFCS-A
Holdup Probes
Turbine
Relative Bearing
Caliper
PFCC-A
PFCH-A 799

PFCS Spin
PFCS Cali
PFCS Prob
PFCS Wave HV
PFCS Rela
PFCS Cart
Tension
TOOL ZERO

1.57

MAXIMUM STRING DIAMETER 2.13 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: Esso Australia Pty Ltd.

Well: A-6a

Field: Halibut

State: Victoria

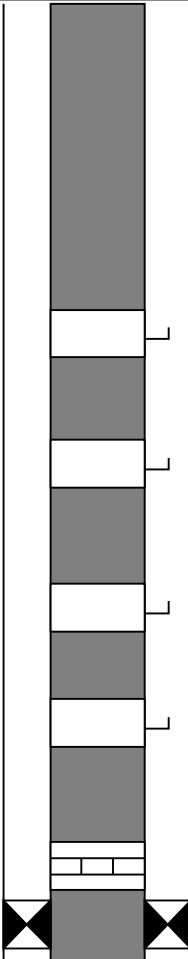
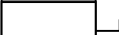
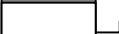




Country: Australia

Rig Name: Crane

Reference Datum: Mean Sea Level

Elevation: 29.4 m

Drawing Date: 27-May-2006

Production String	(in)			(m)	Well Schematic	(m)	(in)			Casing String
	OD	ID	MD				MD	OD	ID	
Tubing, 9.2 lbs/ft, 13Cr-80	3.500	2.992	12.1		11.2	10.750	10.050	Casing String, 40.5 lbs/ft, J-55 Casing String, 26.0 lbs/ft, L-80		
					12.8	7.000	6.276			
					549.5	10.750	10.050	Casing Shoe		
Gas Lift Mandrel	3.500		750.6							
Gas Lift Mandrel	3.500		1031.4							
Gas Lift Mandrel	3.500		1463.2							
Gas Lift Mandrel	3.500		1879.1							
Nipple	3.500		2293.5							
Packer	7.000	3.500	3010.6							

SI – Up at 30 m/min

Descent 2: PFCS/RSTC/PILSA/PSPT

Begin Descent 30-May-2006 11:00
Second descent
Log Pass (up) 30-May-2006 13:05 001:13 3444.4 – 3102.9 FCS_RST_ILS_PSP_028LUP
SI – Sigma Pass # 1 @ 5 m/min
Log Pass (up) 30-May-2006 14:26 001:18 3443.9 – 3098.4 FCS_RST_ILS_PSP_031LUP
SI – Sigma Pass # 2 @ 5 m/min
Log Pass (up) 30-May-2006 17:27 000:14 3229.8 – 3103.5 FCS_RST_ILS_PSP_036LUP
FL – Up at 10 m/min
Log Pass (down) 30-May-2006 17:41 000:12 3103.0 – 3230.6 FCS_RST_ILS_PSP_037LDP
FL – Down at 10 m/min
Log Pass (up) 30-May-2006 17:54 000:05 3230.9 – 3102.9 FCS_RST_ILS_PSP_038LUP
FL – Up at 30 m/min
Log Pass (down) 30-May-2006 17:59 000:05 3102.6 – 3230.1 FCS_RST_ILS_PSP_039LDP
FL – Down at 30 m/min
Rig Down Completed 30-May-2006 20:00
Rig down RST-PSP toolstring

Schlumberger

Flowing Passes 3208m to 3125m MDKB

MAXIS Field Log

Schlumberger

Merged Passes

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-6a

Company: Esso Australia Pty Ltd.

Well: A-6a

PLQL Data Manager Files

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

Company: Esso Australia Pty Ltd.

Well: A-6a

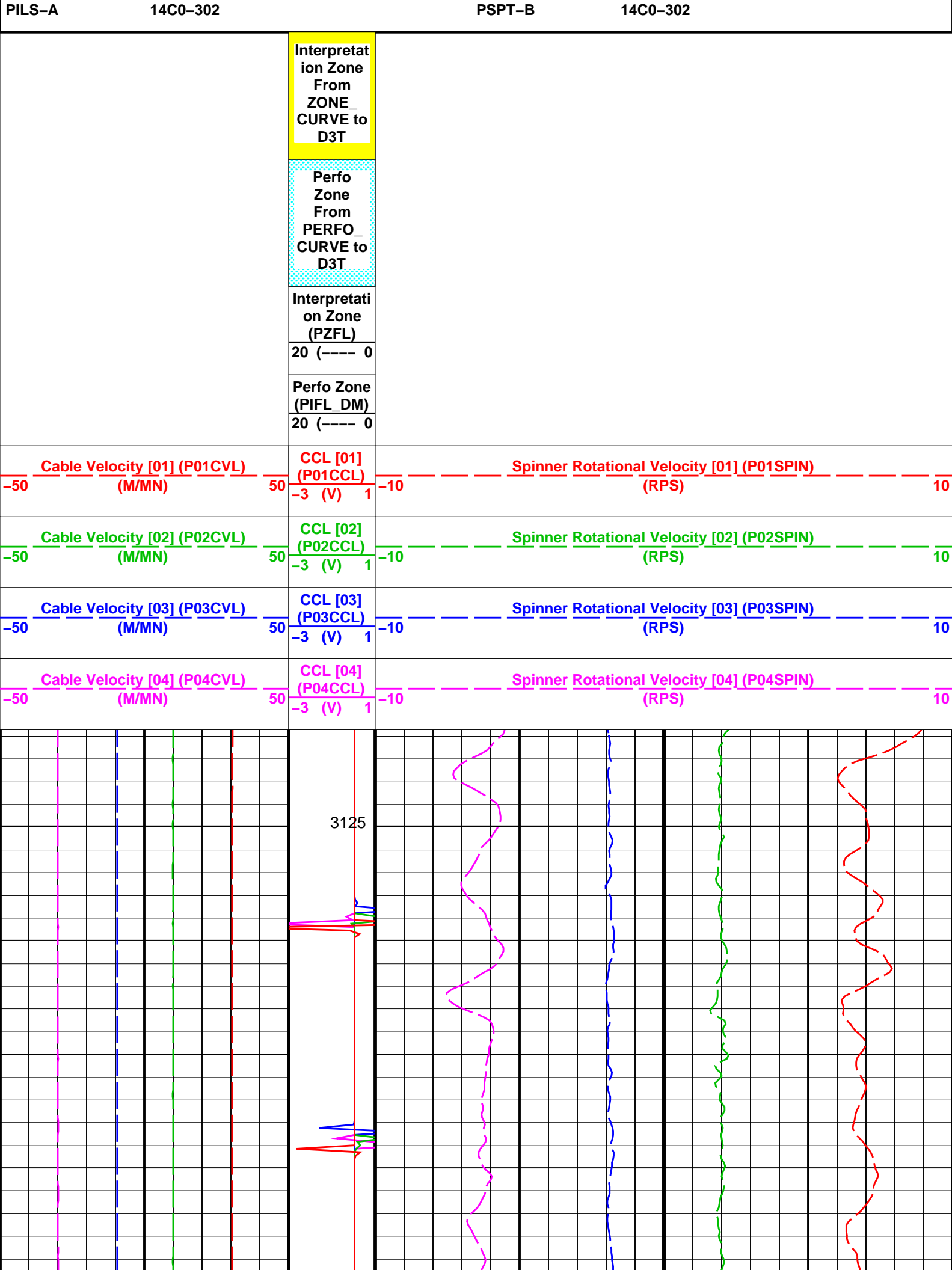
Output DLIS Files

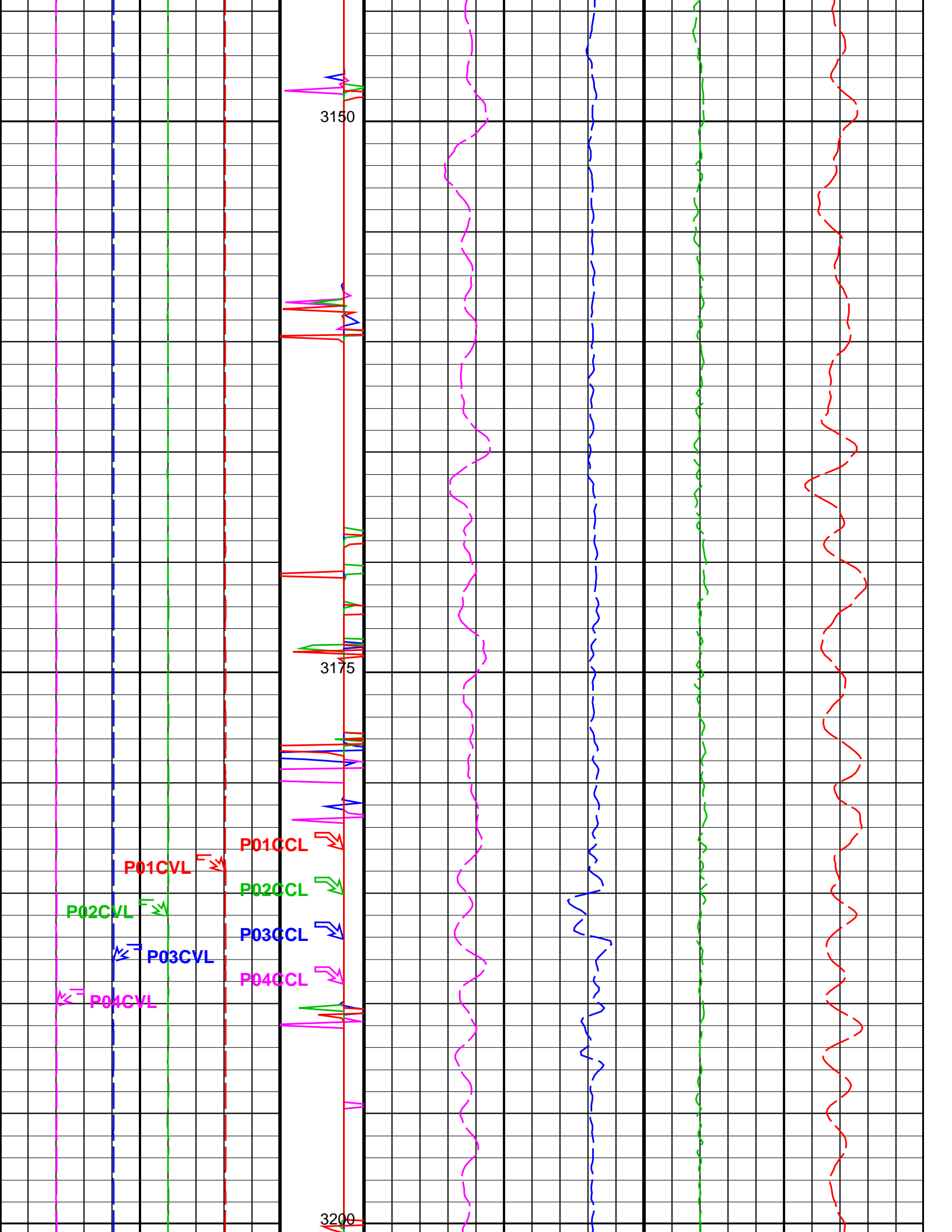
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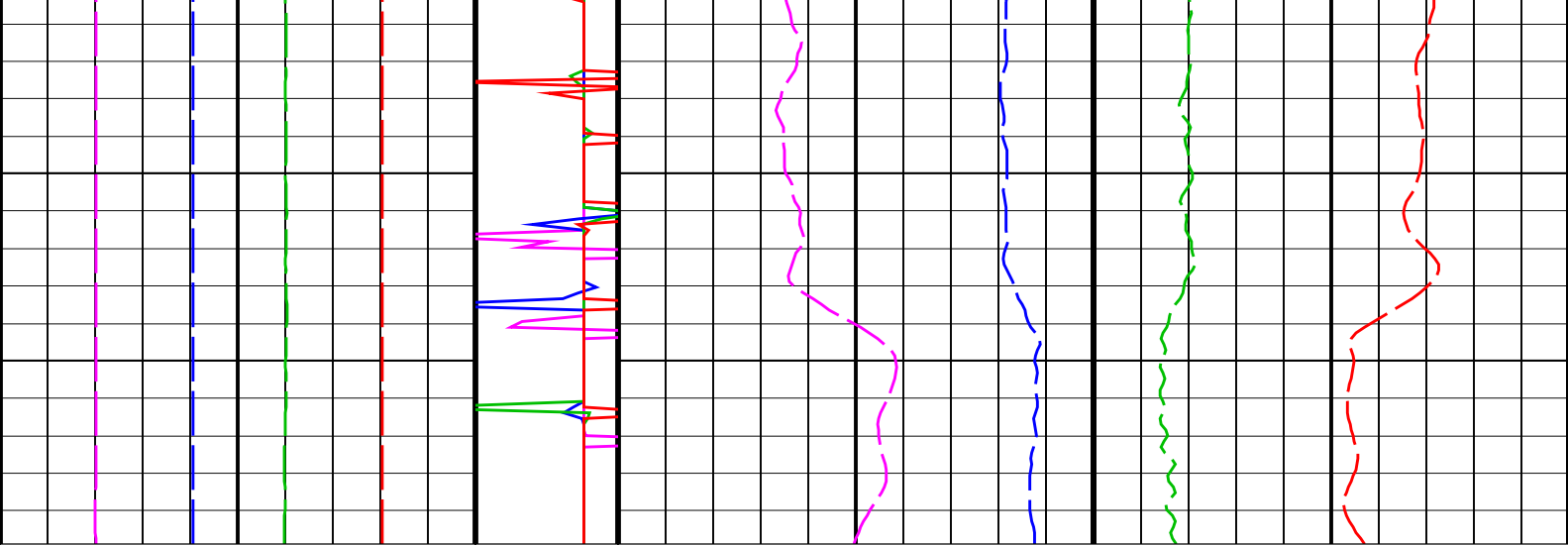
OP System Version: 14C0-302

MCM

PFCS-A 14C0-302 RST-C 14C0-302



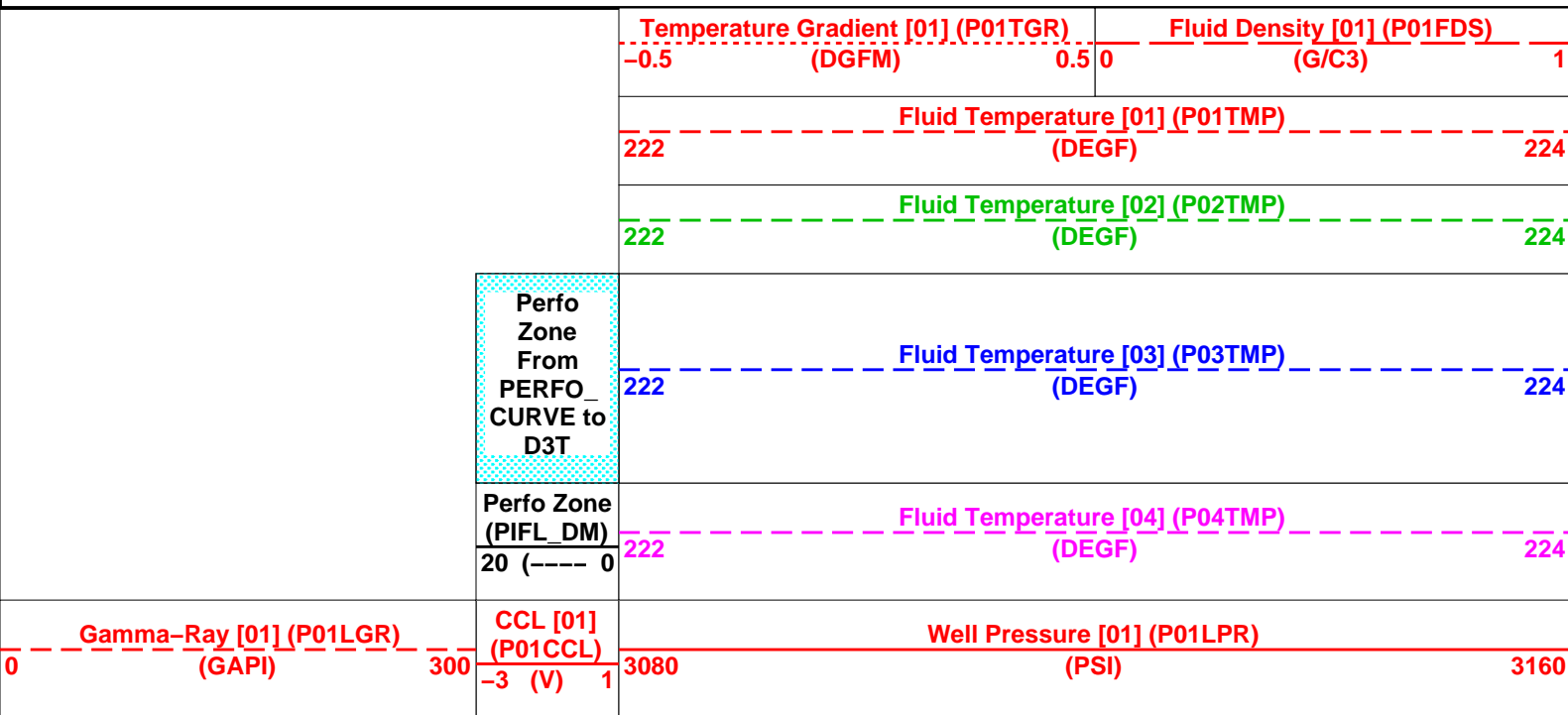




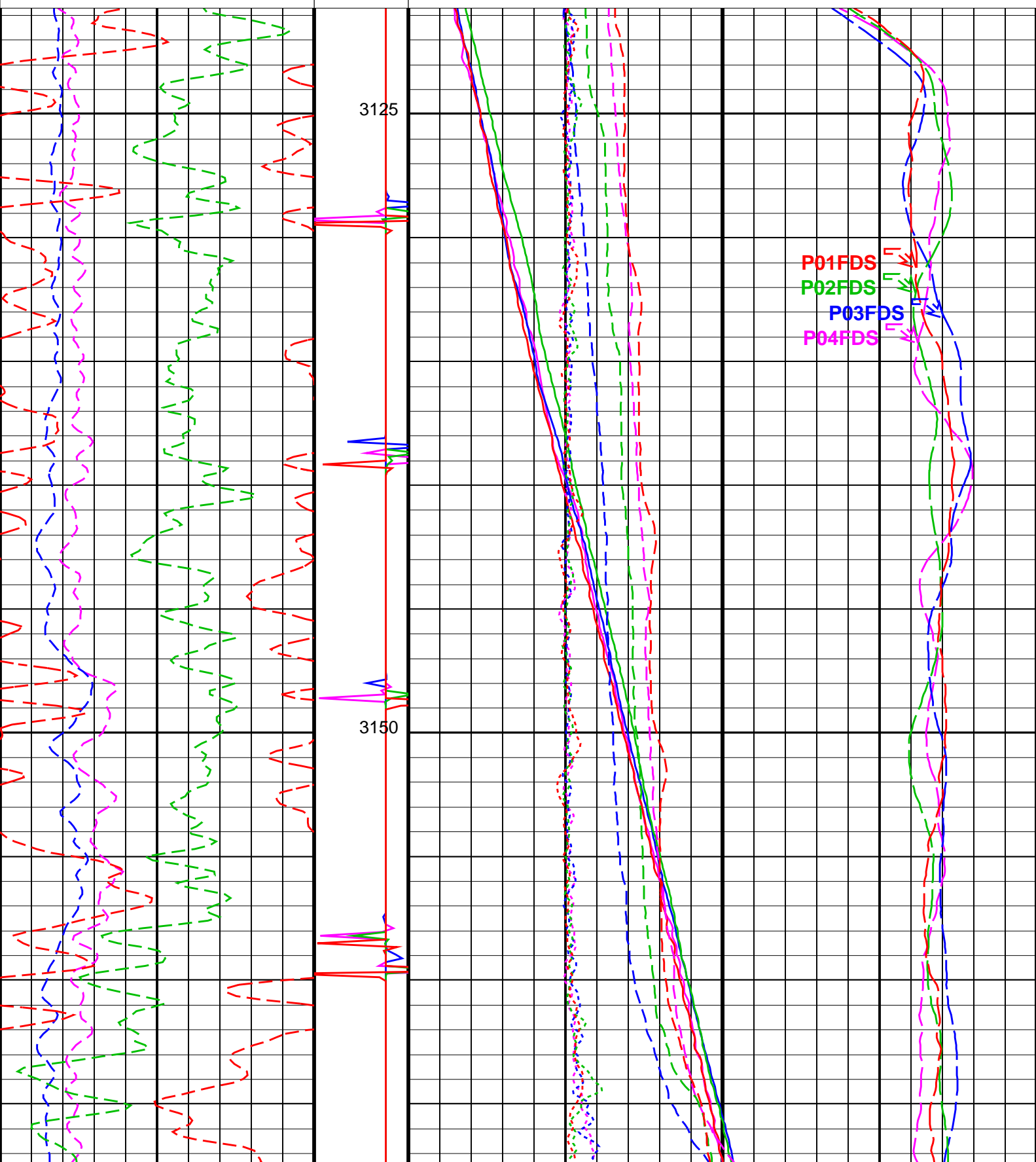
<u>Cable Velocity [04] (P04CVL)</u> (M/MN)	<u>CCL [04] (P04CCL)</u> -3 (V) 1	<u>Spinner Rotational Velocity [04] (P04SPIN)</u> (RPS)
<u>Cable Velocity [03] (P03CVL)</u> (M/MN)	<u>CCL [03] (P03CCL)</u> -3 (V) 1	<u>Spinner Rotational Velocity [03] (P03SPIN)</u> (RPS)
<u>Cable Velocity [02] (P02CVL)</u> (M/MN)	<u>CCL [02] (P02CCL)</u> -3 (V) 1	<u>Spinner Rotational Velocity [02] (P02SPIN)</u> (RPS)
<u>Cable Velocity [01] (P01CVL)</u> (M/MN)	<u>CCL [01] (P01CCL)</u> -3 (V) 1	<u>Spinner Rotational Velocity [01] (P01SPIN)</u> (RPS)
	<u>Perfo Zone (PIFL_DM)</u> 20 (---- 0	
	<u>Interpretati on Zone (PZFL)</u> 20 (---- 0	
	<u>Perfo Zone From PERFO_CURVE to D3T</u>	
	<u>Interpretat ion Zone From ZONE_CURVE to D3T</u>	

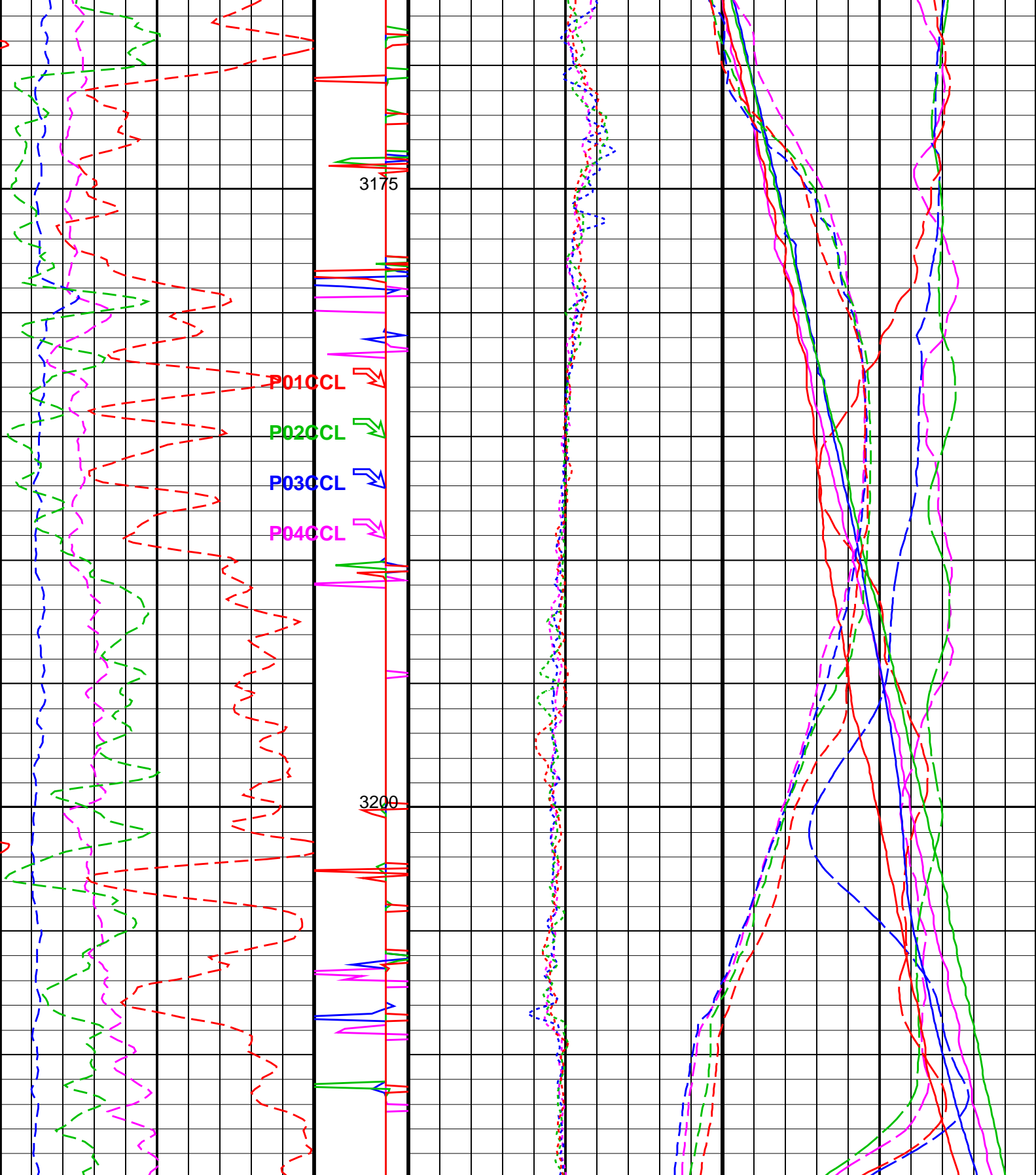
Parameters

DLIS Name	Description	Value
CSID	PFCS-A: PSP Flow and caliper Tool Casing Size I.D.	6.276 IN
CSID	RST-C: Reservoir Saturation Pro Tool C Casing Size I.D.	6.276 IN
CSID	PSPT-B: Production Services Logging Platform Casing Size I.D.	6.276 IN
CSID	PLQL: Production Logging Quick Look Casing Size I.D.	6.276 IN
CCLS	CCL Selector	CCLD
FCHD	Cased Hole Diameter Selector	PFC1
PCVS	CVEL Selector	CVEL
PCPS	CP Selector	CP

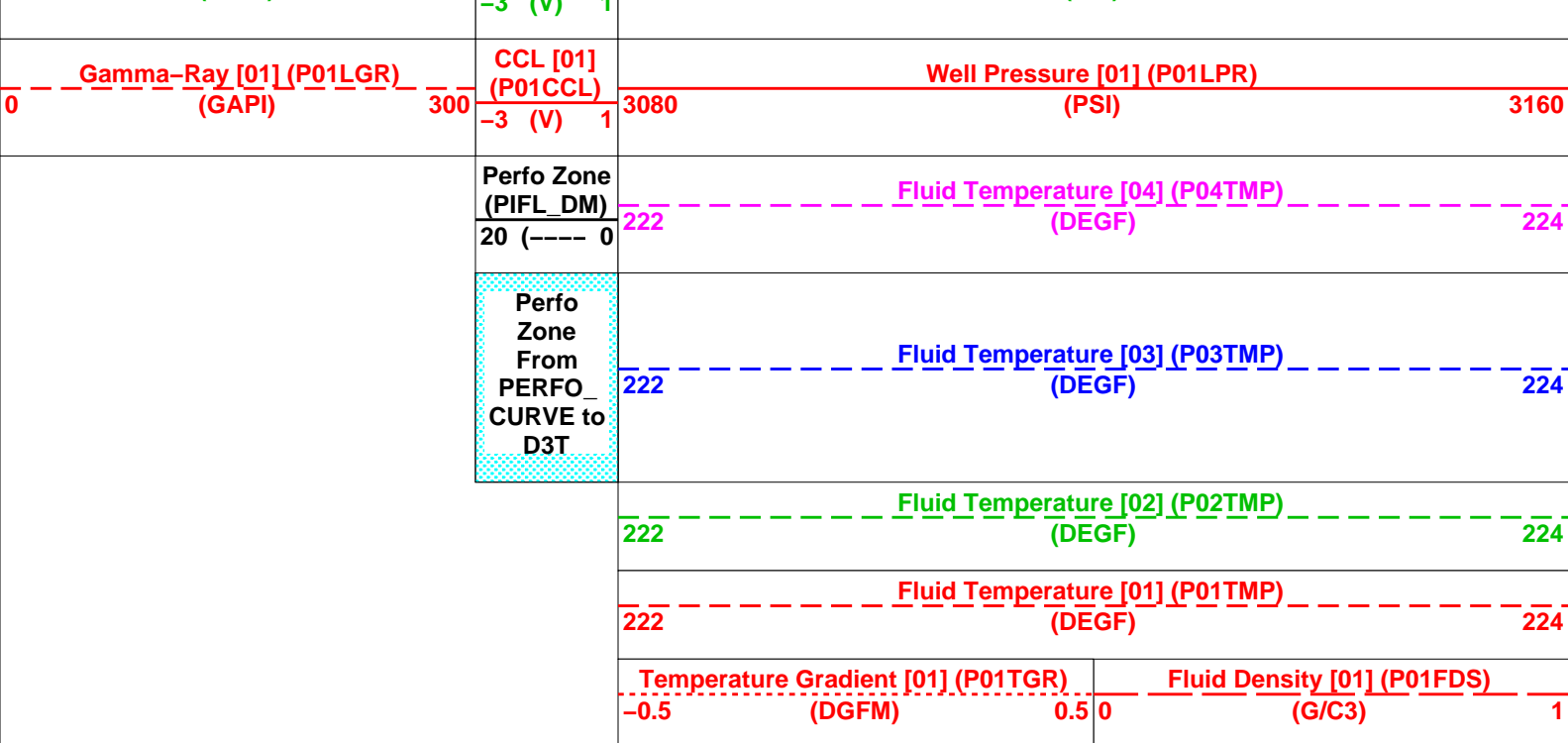


Gamma-Ray [02] (P02LGR) (GAPI)	CCL [02] (P02CCL) -3 (V) 1	Well Pressure [02] (P02LPR) (Psi)
0 300	3080 3160	
Gamma-Ray [03] (P03LGR) (GAPI)	CCL [03] (P03CCL) -3 (V) 1	Well Pressure [03] (P03LPR) (Psi)
0 300	3080 3160	
Gamma-Ray [04] (P04LGR) (GAPI)	CCL [04] (P04CCL) -3 (V) 1	Well Pressure [04] (P04LPR) (Psi)
0 300	3080 3160	





Gamma-Ray [04] (P04LGR) (GAPI)	CCL [04] (P04CCL)	Well Pressure [04] (P04LPR)
0 300	-3 (V) 1	3080 3160
Gamma-Ray [03] (P03LGR) (GAPI)	CCL [03] (P03CCL)	Well Pressure [03] (P03LPR)
0 300	-3 (V) 1	3080 3160
Gamma-Ray [02] (P02LGR) (GAPI)	CCL [02] (P02CCL)	Well Pressure [02] (P02LPR)
0 300	-3 (V) 1	3080 3160



Parameters			
DLIS Name	Description	Value	
CSID	PFCS-A: PSP Flow and caliper Tool Casing Size I.D.	6.276	IN
CSID	RST-C: Reservoir Saturation Pro Tool C Casing Size I.D.	6.276	IN
CSID	PSPT-B: Production Services Logging Platform Casing Size I.D.	6.276	IN
CSID	PLQL: Production Logging Quick Look Casing Size I.D.	6.276	IN
CCLS	CCL Selector	CCLD	
FCHD	Cased Hole Diameter Selector	PFC1	
PCVS	CVEL Selector	CVEL	
PGRS	GR Selector	GR	
PGS	Pressure Gauge Selector	WPRE	
PWHS	PLQL Water HoldUp Selector	DFHM	
RHOS	Fluid Density Selector	MWFD	
SPIS	Spinner Selector	SPIN	
TMPS	Temperature Selector	WTEP	
System and Miscellaneous			
DO	Depth Offset for Playback	0.0	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	NORMAL	

Format: Merged_Sensors Vertical Scale: 1:200 Graphics File Created: 06-Jun-2006 17:46

OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

Output DLIS Files			
DEFAULT	FCS_RST_ILS_PSP_054PUP	FN:80	PRODUCER 06-Jun-2006 17:45
ESSO	FCS_RST_ILS_PSP_054PUC	FN:81	CUSTOMER 06-Jun-2006 17:46



RST - Sigma
Down at 30 m/min

Input DLIS Files

DEFAULT	Flip_FCS_RST_ILS_043LUP	PRODUCER	06-Jun-2006 16:59	3230.1 M	3102.6 M
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Output DLIS Files

DEFAULT	FCS_RST_ILS_PSP_051PUP	FN:74	PRODUCER	06-Jun-2006 17:27	3215.0 M	3120.4 M
ESSO	FCS_RST_ILS_PSP_051PUC	FN:75	CUSTOMER	06-Jun-2006 17:27	3215.0 M	3120.4 M

OP System Version: 14C0-302

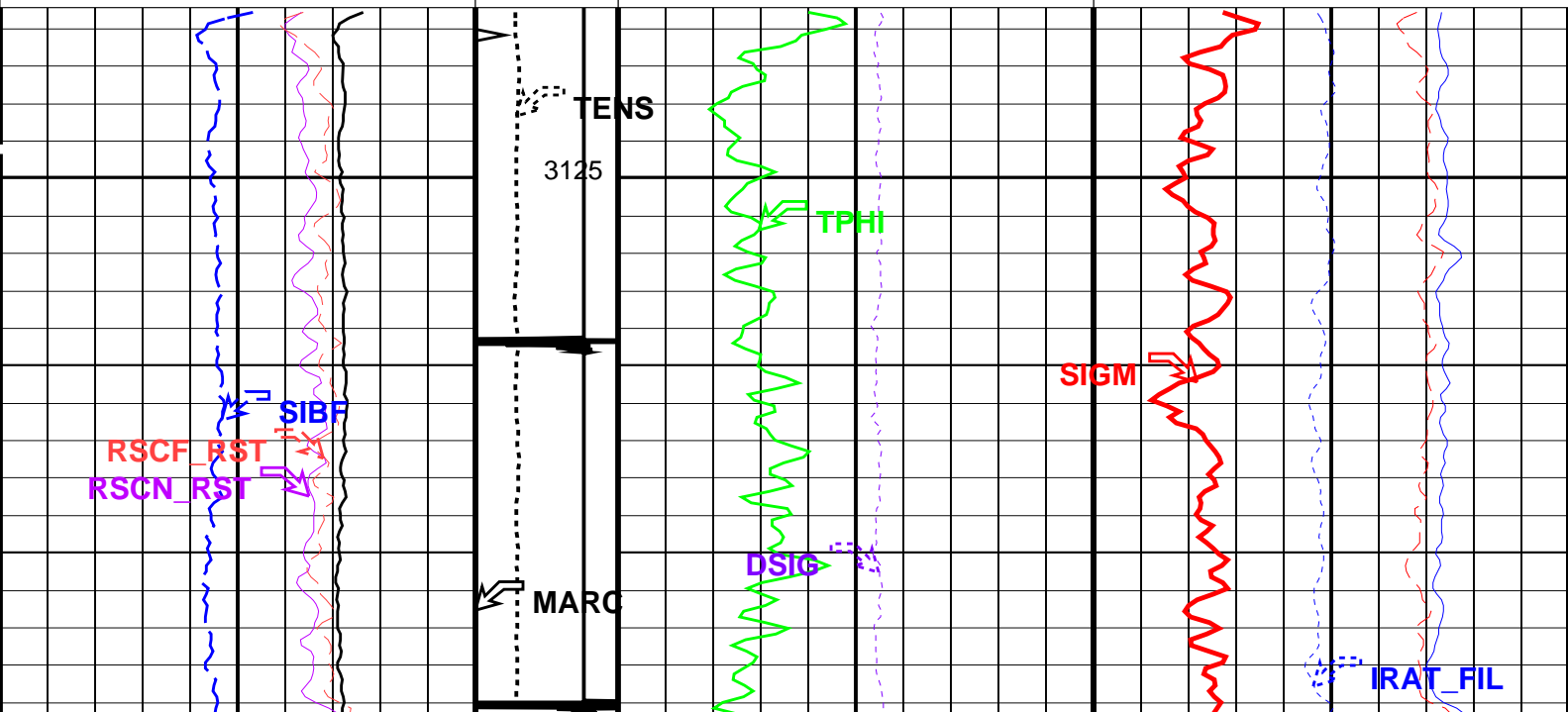
MCM

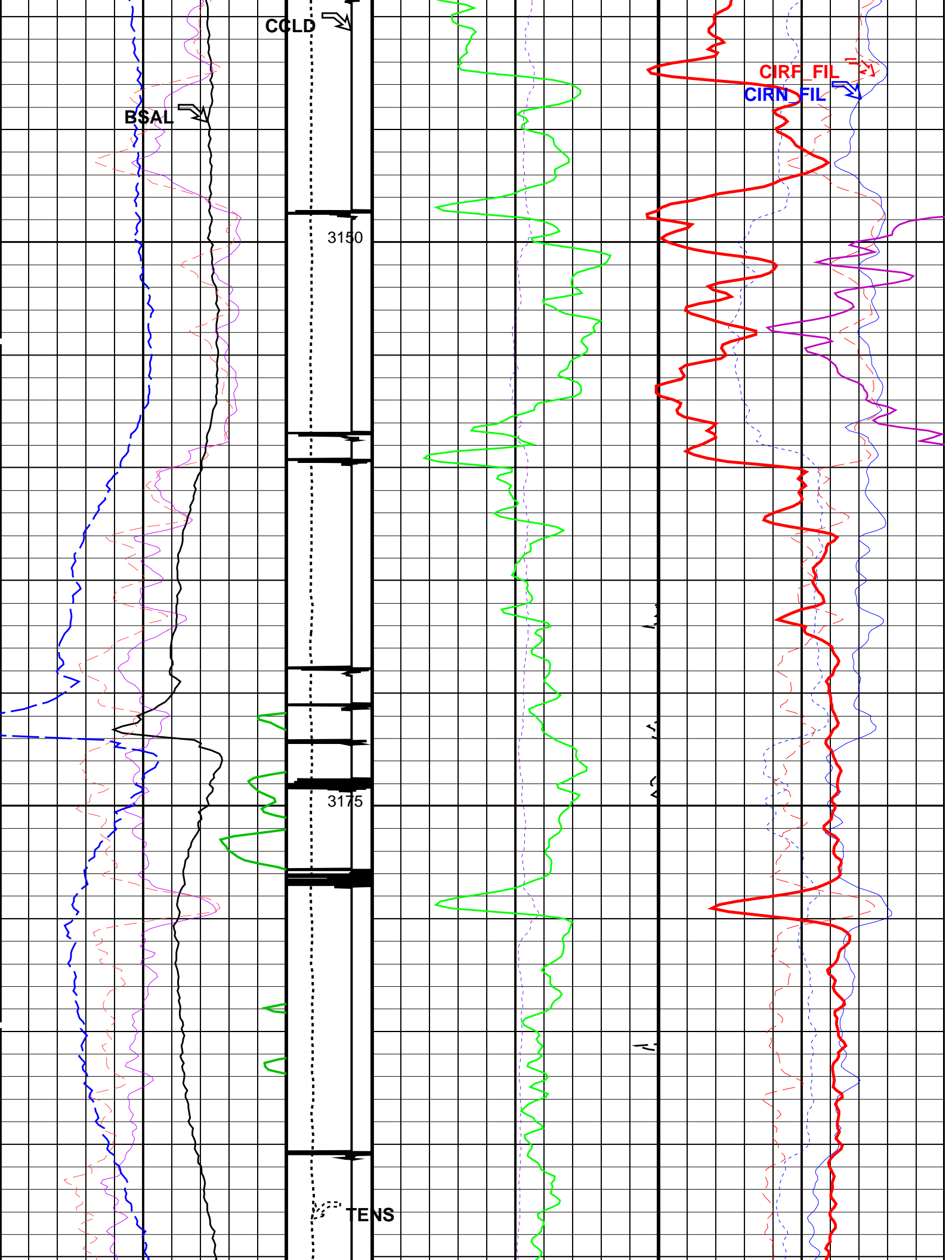
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PILS-A	14C0-302	PSPT-B	14C0-302

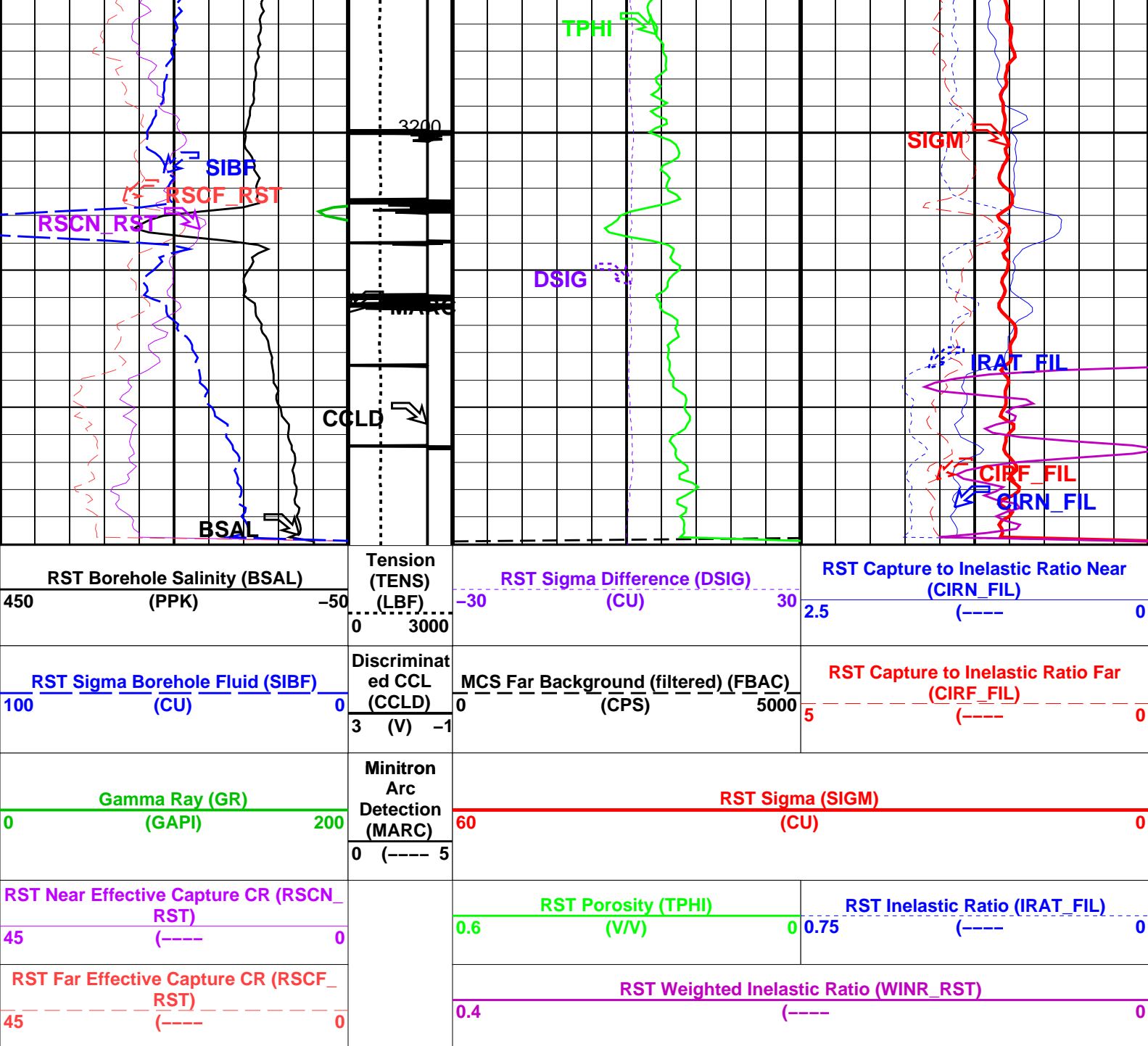
PIP SUMMARY

Time Mark Every 60 S

RST Far Effective Capture CR (RSCF_			RST Weighted Inelastic Ratio (WINR_RST)	
RST)			0.4 (----	
45	0		0	
RST Near Effective Capture CR (RSCN_			RST Inelastic Ratio (IRAT_FIL)	
RST)			0.75 (----	
45	0		0	
Gamma Ray (GR)		Minitron Arc Detection (MARC)	RST Sigma (SIGM)	
(GAPI)			(CU)	
0	200	0 (---- 5	60	
RST Sigma Borehole Fluid (SIBF)		Discriminat ed CCL (CCLD)	RST Capture to Inelastic Ratio Far	
(CU)			(CIRF_FIL)	
100	0	3 (V) -1	5 (----	
RST Borehole Salinity (BSAL)		Tension (TENS) (LBF)	RST Capture to Inelastic Ratio Near	
(PPK)			(CIRN_FIL)	
450	-50	0 3000	2.5 (----	
			0	







PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
BHS	PFCS-A: PSP Flow and caliper Tool	
MATR	Borehole Status	CASED
	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
AIRB	RST-C: Reservoir Saturation Pro Tool C	
BHS	RST Air Borehole	No
BSALOPT	Borehole Status	CASED
BSFL	RST Borehole Salinity Option	Unknown
DFPC	RST Borehole Salinity Filter Length	51
DFPC_TDTL	RST Depth Filter Processing Constant	One
MATR	RST Depth Filter Processing Constant (TDT-like)	Two
NORM_IRAT_RST	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
NORM_SIGM_RST	RST Normalized Inelastic Ratio	0.48
RGAI	RST Normalized Sigma	30
SMBMO	Near/Far Gain Calibration Ratio	1
TIER_SIGM	RST Sigma Mode Background Minitron Off	No
	RST Sigma Acquisition Mode	0_RST_Sigma
BHS	PSPT-B: Production Services Logging Platform	
	Borehole Status	CASED

MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
BS	System and Miscellaneous	8.500 IN
BSAL	Bit Size	-50000.00 PPM
CSIZ	Borehole Salinity	7.000 IN
CWEI	Current Casing Size	26.00 LB/F
DO	Casing Weight	-1.7 M
DORL	Depth Offset for Playback	0.0 M
PP	Depth Offset for Repeat Analysis	
	Playback Processing	NORMAL

Format: RST_SIG_ANSW Vertical Scale: 1:200 Graphics File Created: 06-Jun-2006 17:27

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

Input DLIS Files

DEFAULT	Flip_FCS_RST_ILS_043LUP	PRODUCER	06-Jun-2006 16:59	3230.1 M	3102.6 M
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Output DLIS Files

DEFAULT	FCS_RST_ILS_PSP_051PUP	FN:74	PRODUCER	06-Jun-2006 17:27
ESSO	FCS_RST_ILS_PSP_051PUC	FN:75	CUSTOMER	06-Jun-2006 17:27

Schlumberger

RST - Sigma
Up at 30 m/min

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-6a

Input DLIS Files

DEFAULT	FCS_RST_ILS_PSP_038LUP	FN:49	PRODUCER	05-Jun-2006 21:41	3230.9 M	3102.9 M
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Output DLIS Files

DEFAULT	FCS_RST_ILS_PSP_050PUP	FN:72	PRODUCER	06-Jun-2006 17:23	3215.0 M	3120.4 M
ESSO	FCS_RST_ILS_PSP_050PUC	FN:73	CUSTOMER	06-Jun-2006 17:23	3215.0 M	3120.4 M

OP System Version: 14C0-302

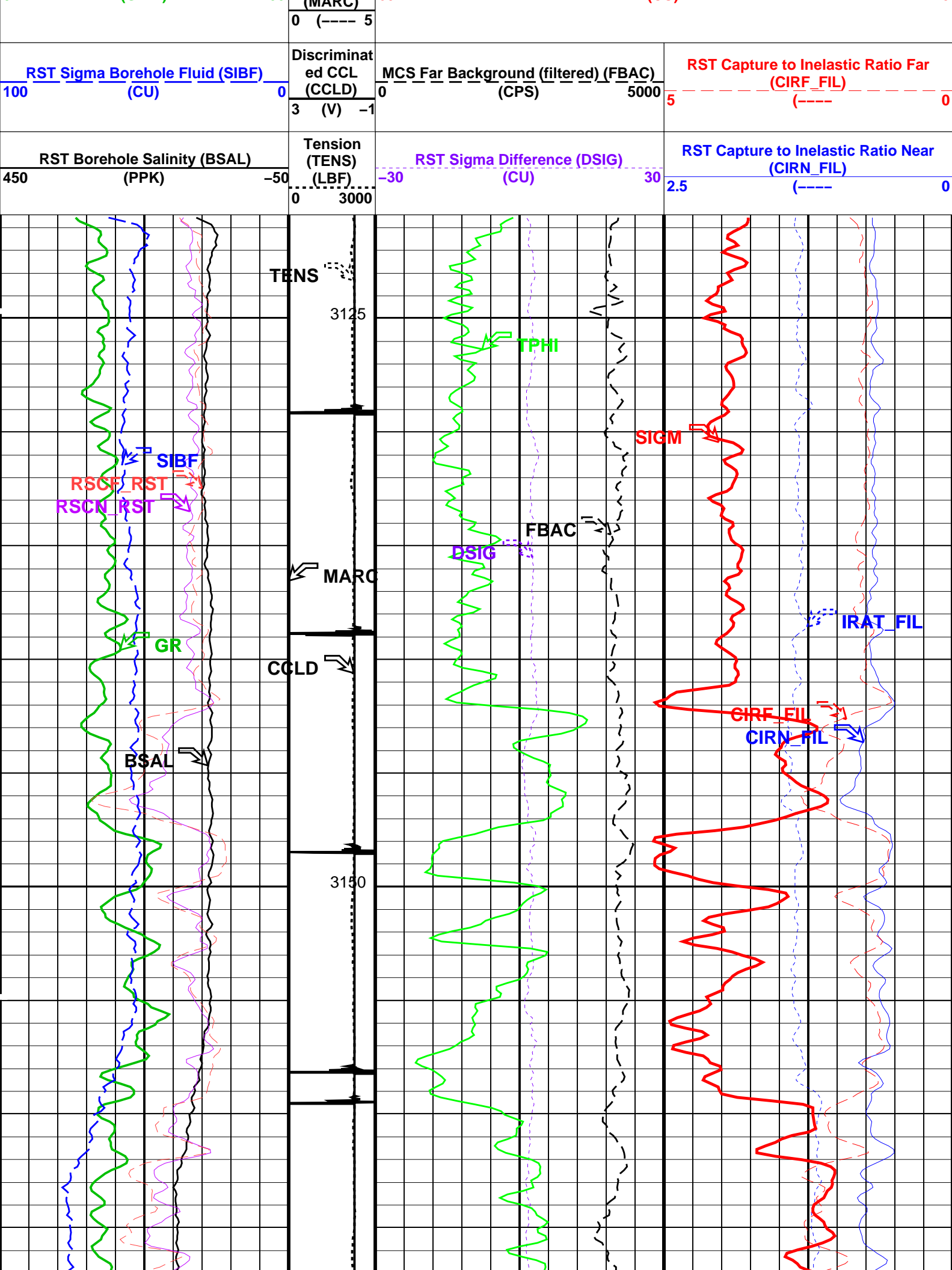
MCM

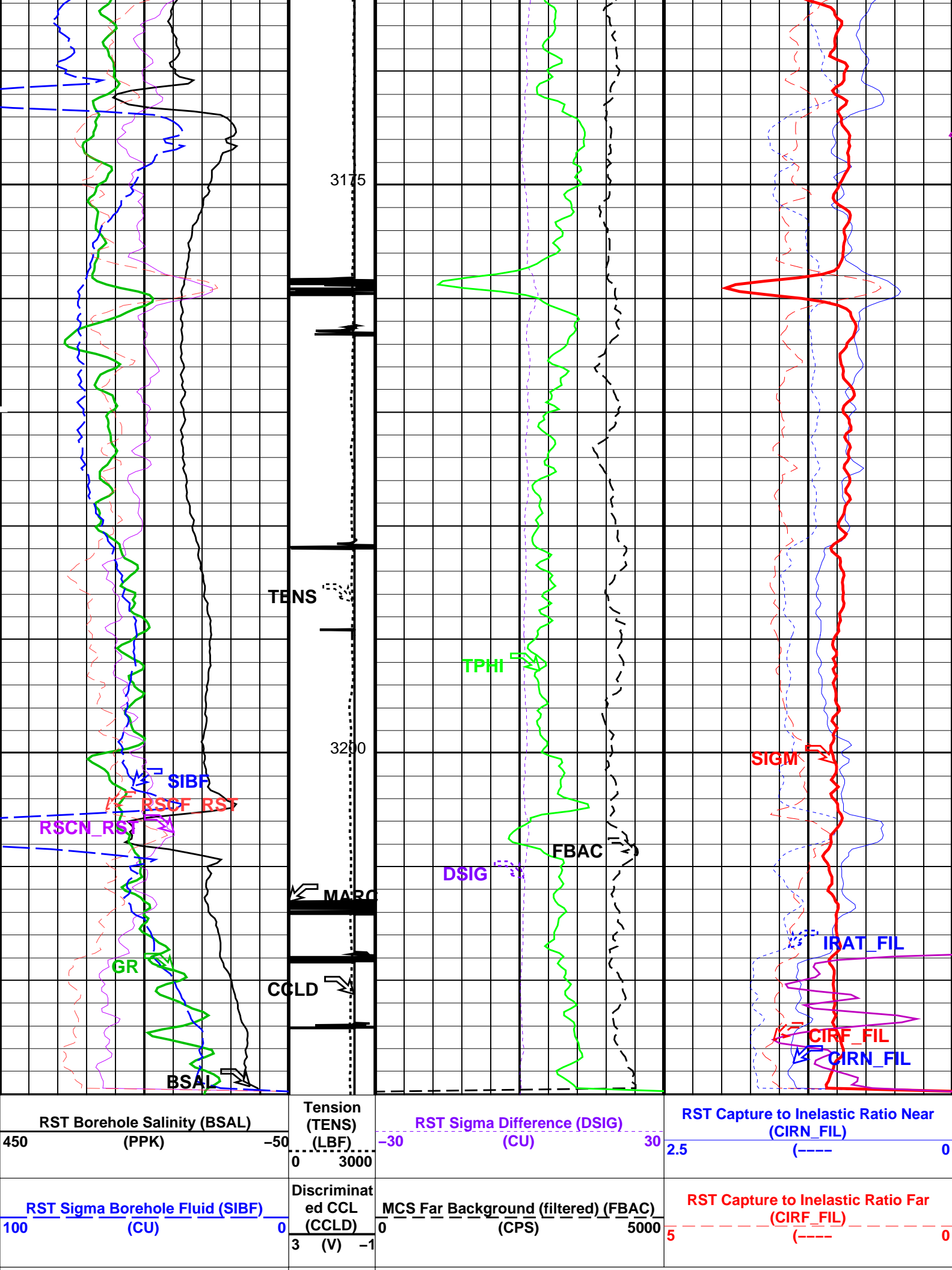
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

PIP SUMMARY

Time Mark Every 60 S

RST Far Effective Capture CR (RSCF_RST)		RST Weighted Inelastic Ratio (WINR_RST)	
45	0	0.4	0
RST Near Effective Capture CR (RSCN_RST)		RST Porosity (TPHI)	RST Inelastic Ratio (IRAT_FIL)
45	0	0.6 (V/V)	0.75
Gamma Ray (GR)		RST Sigma (SIGM)	
0 (GAPI)	200	60	0
Minitron Arc Detection (MARC)		(CU)	





<div>Gamma Ray (GR)</div> <div>(GAPI)</div> <div>200</div>	<div>Minitron Arc Detection (MARC)</div> <div>0 (---- 5)</div>	<div>RST Sigma (SIGM)</div> <div>(CU)</div> <div>60</div> <div>0</div>	
<div>RST Near Effective Capture CR (RSCN_RST)</div> <div>45 (----) 0</div>		<div>RST Porosity (TPHI)</div> <div>0.6 (V/V) 0</div>	<div>RST Inelastic Ratio (IRAT_FIL)</div> <div>0.75 (----) 0</div>
<div>RST Far Effective Capture CR (RSCF_RST)</div> <div>45 (----) 0</div>		<div>RST Weighted Inelastic Ratio (WINR_RST)</div> <div>0.4 (----) 0</div>	

PIP SUMMARY			
Time Mark Every 60 S			

Parameters			
DLIS Name	Description	Value	
PFCS–A: PSP Flow and caliper Tool			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
RST–C: Reservoir Saturation Pro Tool C			
AIRB	RST Air Borehole	No	
BHS	Borehole Status	CASED	
BSALOPT	RST Borehole Salinity Option	Unknown	
BSFL	RST Borehole Salinity Filter Length	51	
DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT–like)	Two	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	
RGAI	Near/Far Gain Calibration Ratio	1	
SMBMO	RST Sigma Mode Background Minitron Off	No	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
PSPT–B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
System and Miscellaneous			
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	–50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	1.2	M
PP	Playback Processing	NORMAL	

Format: RST_SIG_ANSW	Vertical Scale: 1:200	Graphics File Created: 06–Jun–2006 17:23
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OP System Version: 14C0–302			
MCM			
PFCS–A	14C0–302	RST–C	14C0–302
PILS–A	14C0–302	PSPT–B	14C0–302

Input DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_038LUP	FN:49	PRODUCER	05–Jun–2006 21:41	3230.9 M	3102.9 M
Output DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_050PUP	FN:72	PRODUCER	06–Jun–2006 17:23		
ESSO	FCS_RST_ILS_PSP_050PUC	FN:73	CUSTOMER	06–Jun–2006 17:23		



RST – Sigma

Down at 10 m/min

Company: Esso Australia Pty Ltd. Well: A-6a

Input DLIS Files

DEFAULT	Flip_FCS_RST_ILS_042LUP	PRODUCER	06-Jun-2006 16:59	3230.6 M	3103.0 M
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Output DLIS Files

DEFAULT	FCS_RST_ILS_PSP_046PUP	FN:64	PRODUCER	06-Jun-2006 17:09	3215.0 M	3120.2 M
ESSO	FCS_RST_ILS_PSP_046PUC	FN:65	CUSTOMER	06-Jun-2006 17:09	3215.0 M	3120.2 M

OP System Version: 14C0-302

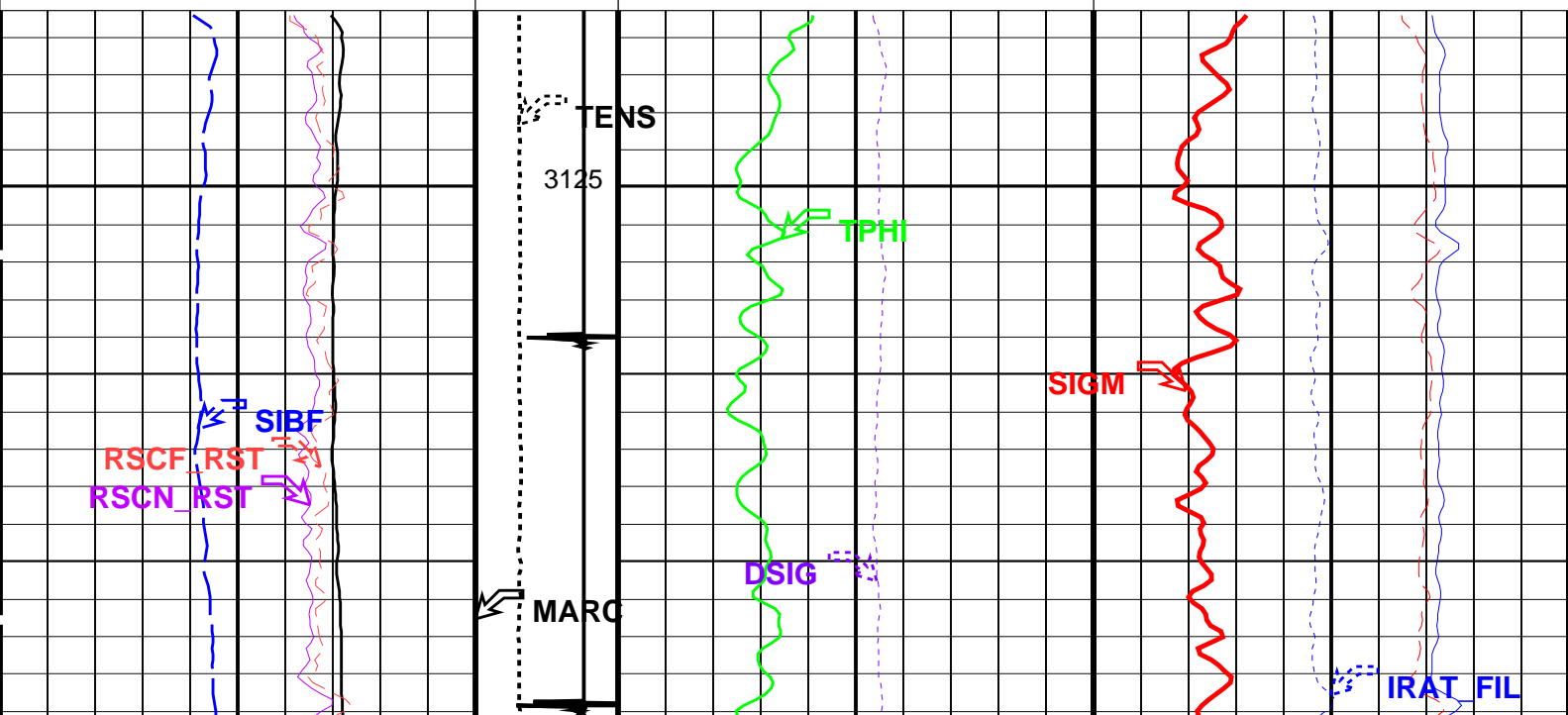
MCM

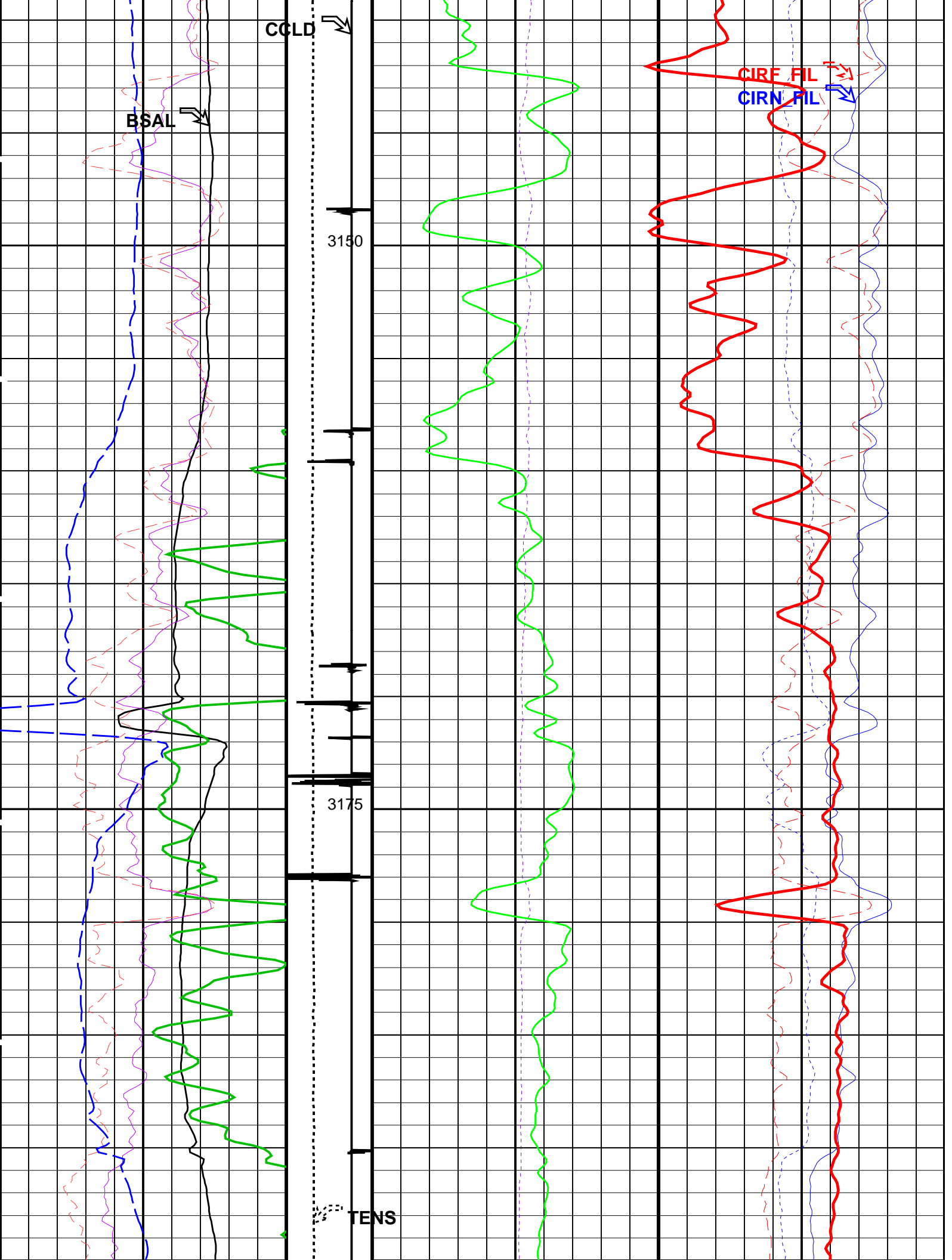
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

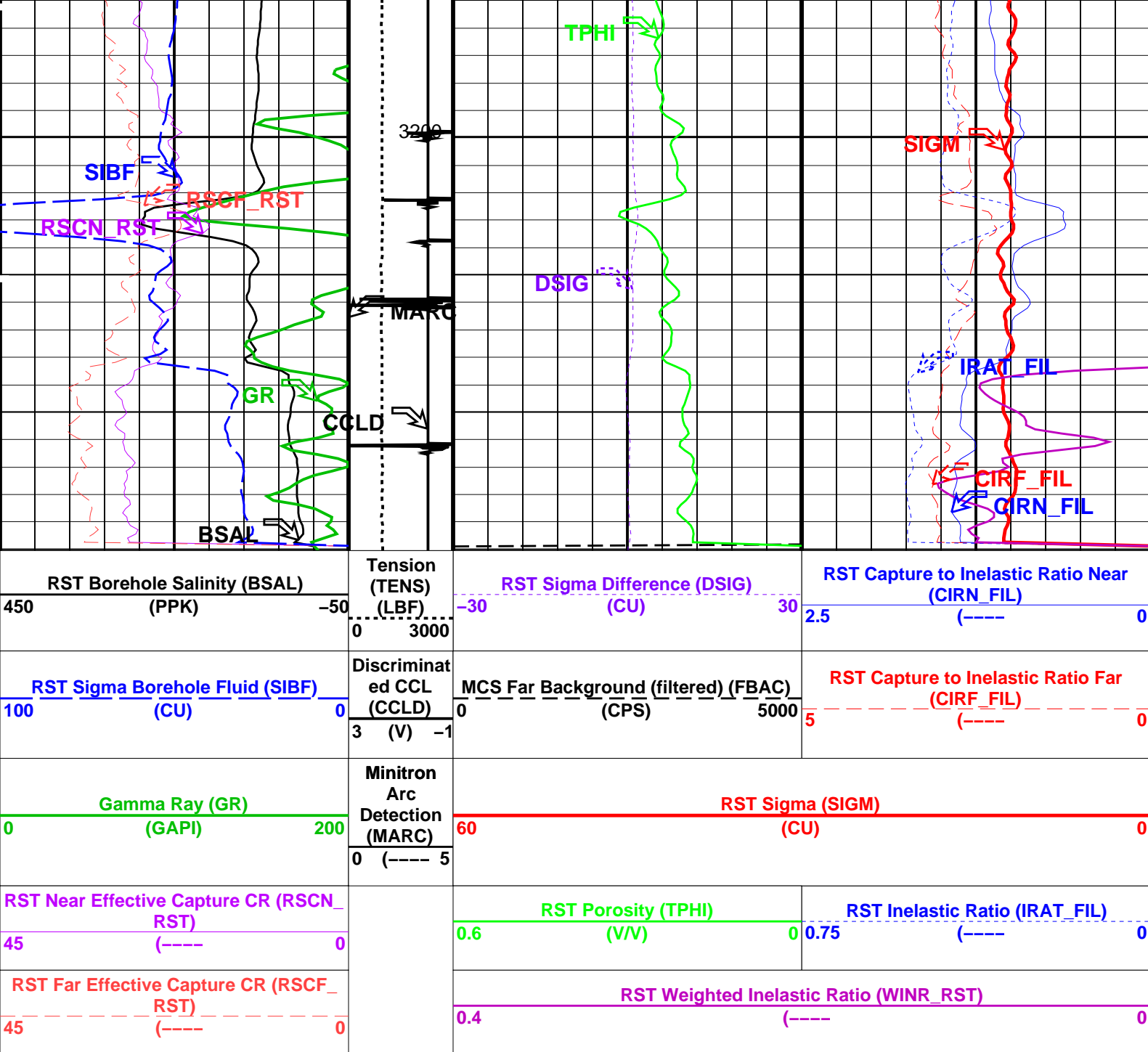
PIP SUMMARY

Time Mark Every 60 S

RST Far Effective Capture CR (RSCF_RST) 45 (----) 0		RST Weighted Inelastic Ratio (WINR_RST) 0.4 (----) 0	
		RST Porosity (TPHI) 0.6 (V/V) 0	RST Inelastic Ratio (IRAT_FIL) 0.75 (----) 0
RST Near Effective Capture CR (RSCN_RST) 45 (----) 0			
Gamma Ray (GR) 0 (GAPI) 200	Minitron Arc Detection (MARC) 0 (----) 5	RST Sigma (SIGM) 60 (CU) 0	
RST Sigma Borehole Fluid (SIBF) 100 (CU) 0	Discriminated CCL (CCLD) 3 (V) -1	MCS Far Background (filtered) (FBAC) 0 (CPS) 5000	RST Capture to Inelastic Ratio Far (CIRF_FIL) 5 (----) 0
RST Borehole Salinity (BSAL) 450 (PPK) -50		RST Sigma Difference (DSIG) -30 (CU) 30	RST Capture to Inelastic Ratio Near (CIRN_FIL) 2.5 (----) 0
	Tension (TENS) (LBF) 0 3000		







Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
PFCs-A: PSP Flow and caliper Tool		
BHS	Borehole Status	CASED
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
RST-C: Reservoir Saturation Pro Tool C		
AIRB	RST Air Borehole	No
BHS	Borehole Status	CASED
BSALOPT	RST Borehole Salinity Option	Unknown
BSFL	RST Borehole Salinity Filter Length	51
DFPC	RST Depth Filter Processing Constant	One
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48
NORM_SIGM_RST	RST Normalized Sigma	30 CU
RGAI	Near/Far Gain Calibration Ratio	1
SMBMO	RST Sigma Mode Background Minitron Off	No
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma
PSPT-B: Production Services Logging Platform		
BHS	Borehole Status	CASED

DRS	System and Miscellaneous	Borehole Status	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
MATR		Bit Size	8.500	IN
BS		Borehole Salinity	-50000.00	PPM
BSAL		Current Casing Size	7.000	IN
CSIZ		Casing Weight	26.00	LB/F
CWEI		Depth Offset for Playback	-2.0	M
DO		Depth Offset for Repeat Analysis	0.0	M
DORL		Playback Processing	NORMAL	
PP				

Format: RST_SIG_ANSW

Vertical Scale: 1:200

Graphics File Created: 06-Jun-2006 17:09

OP System Version: 14C0-302						
MCM						
PFCS-A	14C0-302		RST-C	14C0-302		
PILS-A	14C0-302		PSPT-B	14C0-302		
Input DLIS Files						
DEFAULT	Flip_FCS_RST_ILS_042LUP		PRODUCER	06-Jun-2006 16:59	3230.6 M	3103.0 M
Output DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_046PUP	FN:64	PRODUCER	06-Jun-2006 17:09		
ESSO	FCS_RST_ILS_PSP_046PUC	FN:65	CUSTOMER	06-Jun-2006 17:09		

Schlumberger

RST – Sigma

Up at 10 m/min

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-6a

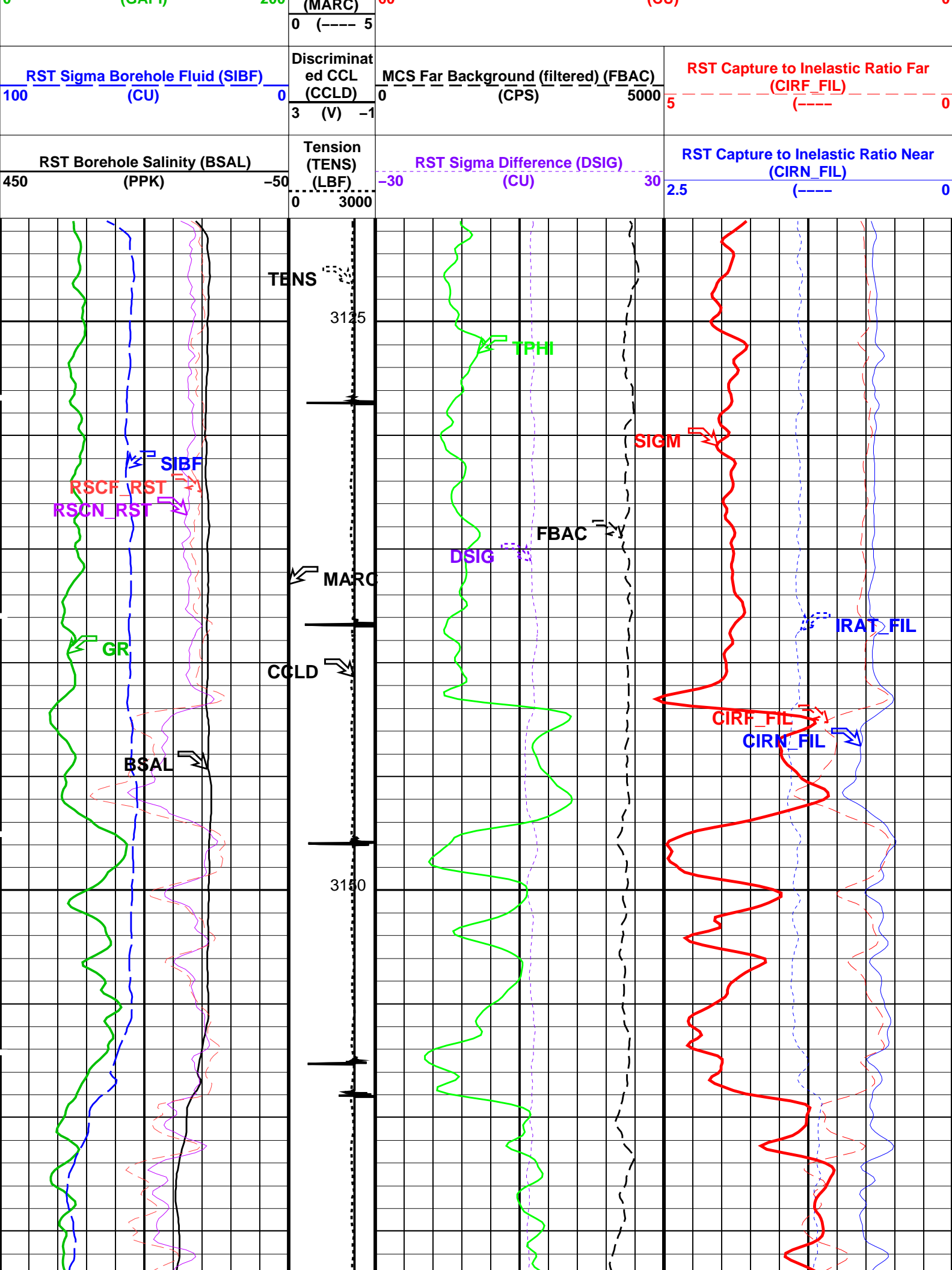
Input DLIS Files					
DEFAULT	FCS_RST_ILS_PSP_036LUP	FN:45	PRODUCER	05-Jun-2006 21:41	3229.8 M 3103.5 M
Output DLIS Files					
DEFAULT	FCS_RST_ILS_PSP_045PUP	FN:62	PRODUCER	06-Jun-2006 17:04	3215.0 M 3120.4 M
ESSO	FCS_RST_ILS_PSP_045PUC	FN:63	CUSTOMER	06-Jun-2006 17:05	3215.0 M 3120.4 M

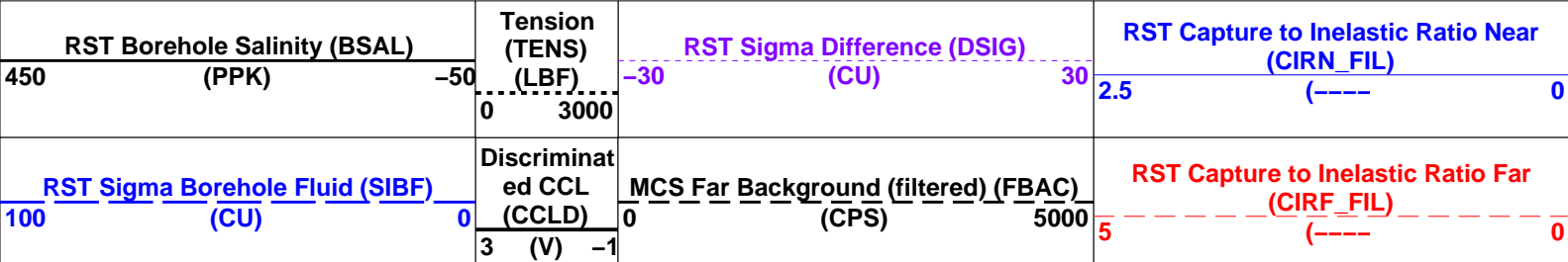
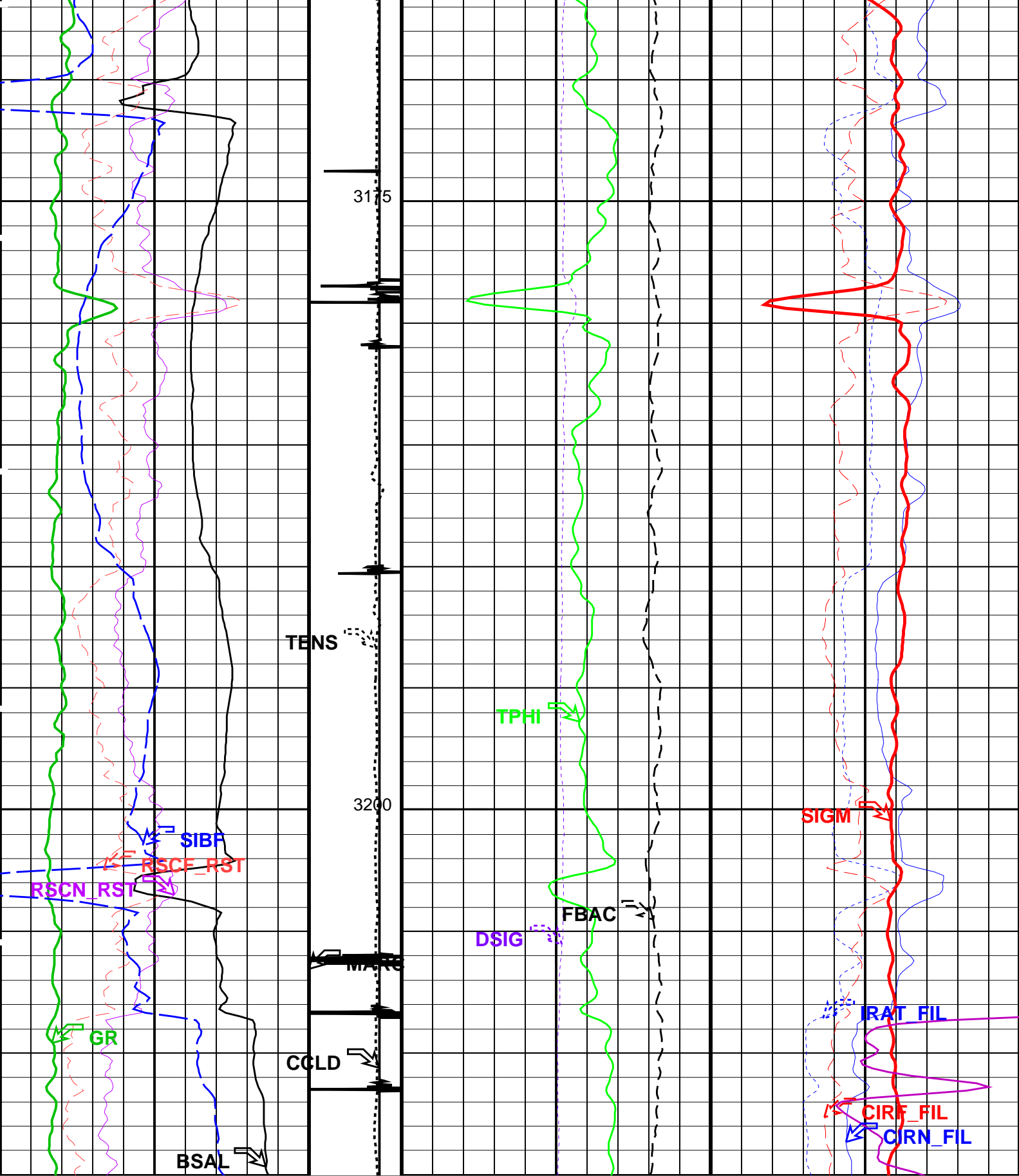
OP System Version: 14C0-302					
MCM					
PFCS-A	14C0-302	RST-C	14C0-302		
PILS-A	14C0-302	PSPT-B	14C0-302		

PIP SUMMARY

Time Mark Every 60 S					
RST Far Effective Capture CR (RSCF_RST)		RST Weighted Inelastic Ratio (WINR_RST)			
45	(----	0	0.4	(----	0
RST Near Effective Capture CR (RSCN_RST)		RST Porosity (TPHI)			
45	(----	0	0.6	(V/V)	0 0.75
Gamma Ray (GR)		RST Sigma (SIGM)			
0	(GAPI)	200	60	(CII)	0

Minitron Arc Detection





<div>Gamma Ray (GR)</div> <div>0 (GAPI) 200</div>		<div>Minitron Arc Detection (MARC)</div> <div>0 (---- 5</div>	<div>RST Sigma (SIGM)</div> <div>60 (CU) 0</div>	
<div>RST Near Effective Capture CR (RSCN_ RST)</div> <div>45 (----) 0</div>			<div>RST Porosity (TPHI)</div> <div>0.6 (V/V) 0</div>	<div>RST Inelastic Ratio (IRAT_FIL)</div> <div>0.75 (----) 0</div>
<div>RST Far Effective Capture CR (RSCF_ RST)</div> <div>45 (----) 0</div>			<div>RST Weighted Inelastic Ratio (WINR_RST)</div> <div>0.4 (----) 0</div>	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
RST-C: Reservoir Saturation Pro Tool C			
AIRB	RST Air Borehole	No	
BHS	Borehole Status	CASED	
BSALOPT	RST Borehole Salinity Option	Unknown	
BSFL	RST Borehole Salinity Filter Length	51	
DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	CU
RGAI	Near/Far Gain Calibration Ratio	1	
SMBMO	RST Sigma Mode Background Minitron Off	No	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
PSPT-B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
System and Miscellaneous			
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	0.4	M
PP	Playback Processing	NORMAL	

Format: RST_SIG_ANSW Vertical Scale: 1:200 Graphics File Created: 06-Jun-2006 17:05

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

Input DLIS Files

DEFAULT	FCS_RST_ILS_PSP_036LUP	FN:45	PRODUCER	05-Jun-2006 21:41	3229.8 M	3103.5 M
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Output DLIS Files

DEFAULT	FCS_RST_ILS_PSP_045PUP	FN:62	PRODUCER	06-Jun-2006 17:04
ESSO	FCS_RST_ILS_PSP_045PUC	FN:63	CUSTOMER	06-Jun-2006 17:05

Schlumberger

Shut – In Passes
3444m to 3125m MDKB



RST – Sigma Pass 2

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-6a

Input DLIS Files

DEFAULT	FCS_RST_ILS_PSP_031LUP	FN:36	PRODUCER	05-Jun-2006 21:40	3443.9 M	3098.4 M
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Output DLIS Files

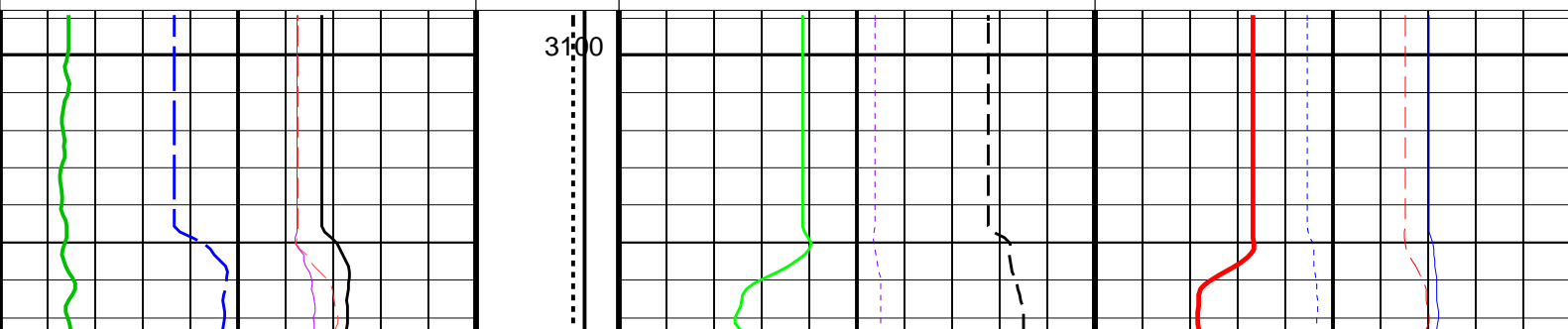
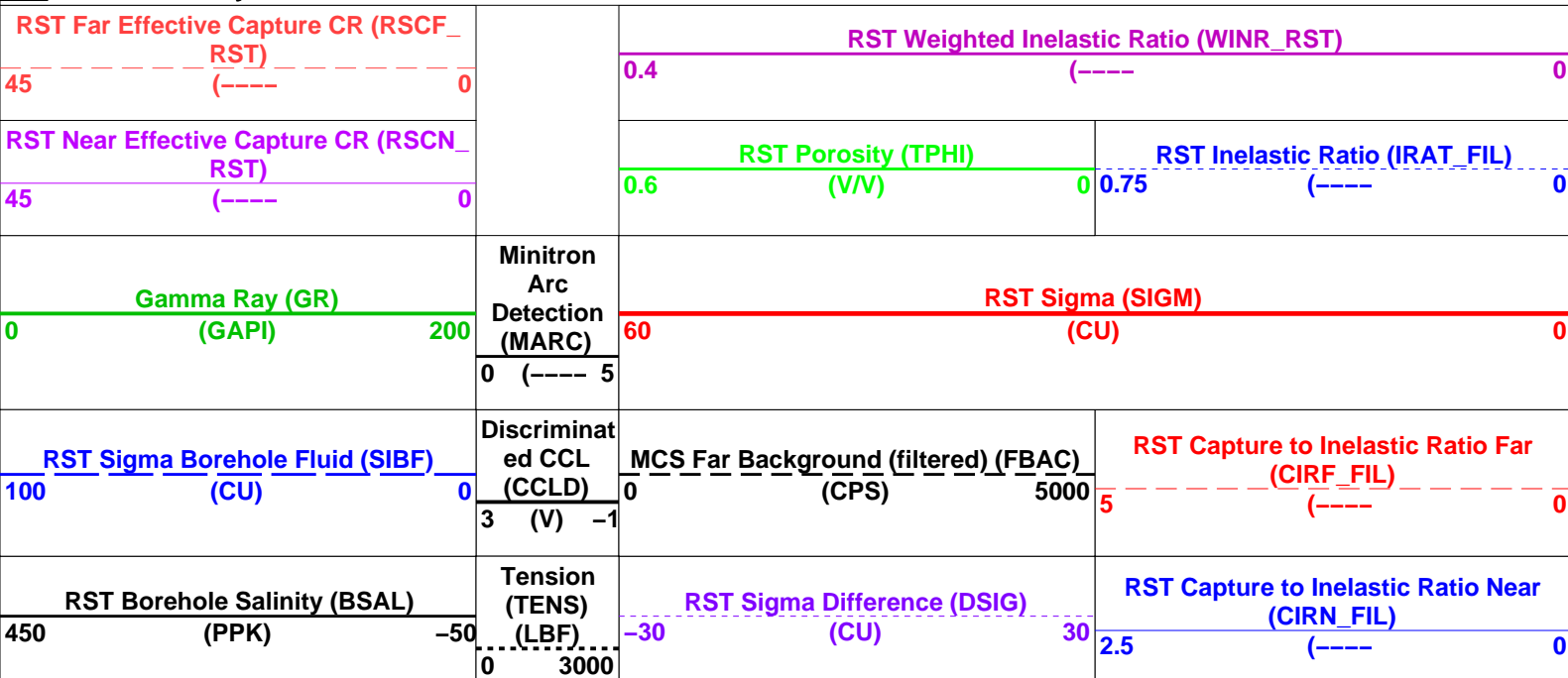
DEFAULT	FCS_RST_ILS_PSP_041PUP	FN:58	PRODUCER	06-Jun-2006 16:35	3443.8 M	3098.7 M
ESSO	FCS_RST_ILS_PSP_041PUC	FN:59	CUSTOMER	06-Jun-2006 16:35	3443.8 M	3098.7 M

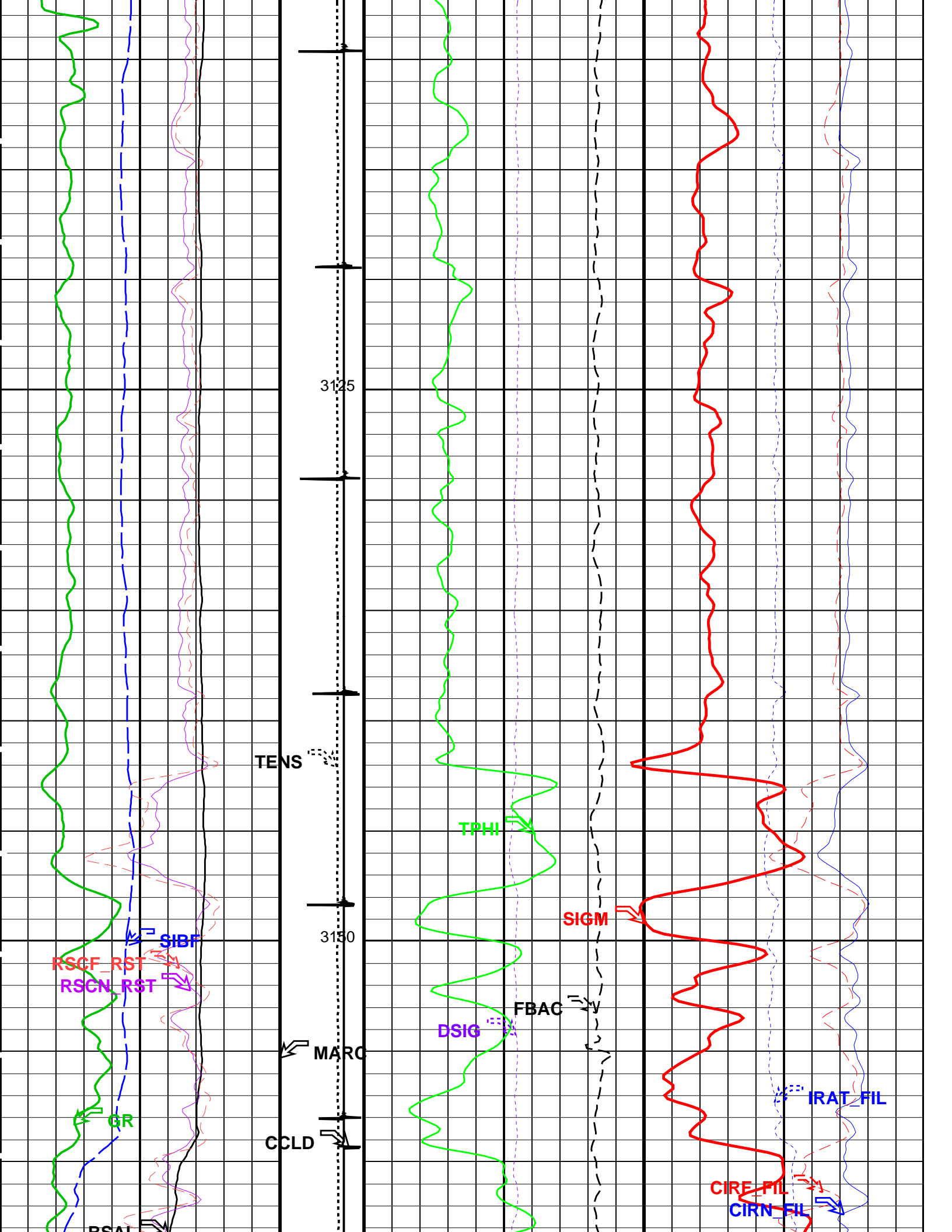
OP System Version: 14C0-302

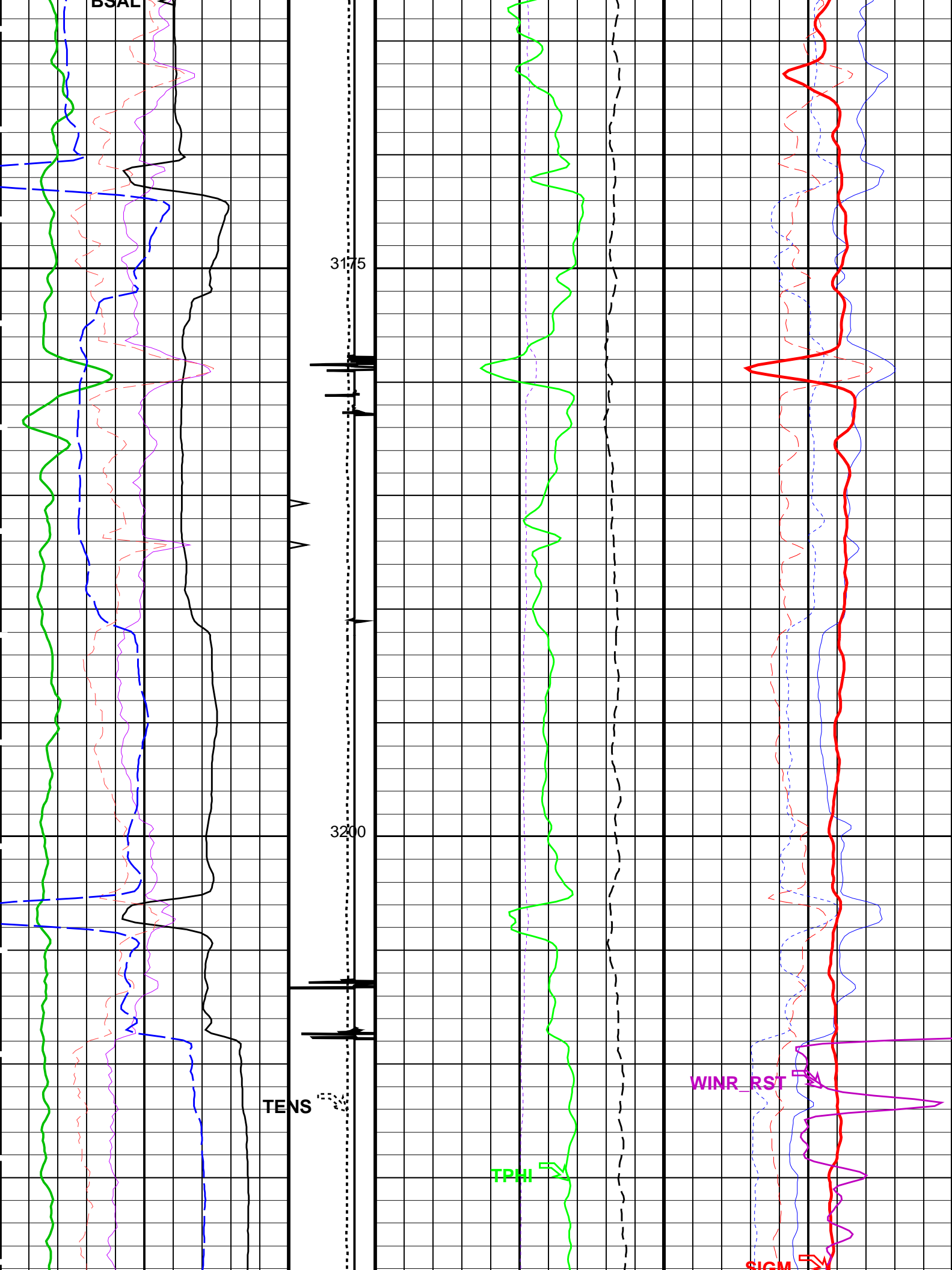
MCM

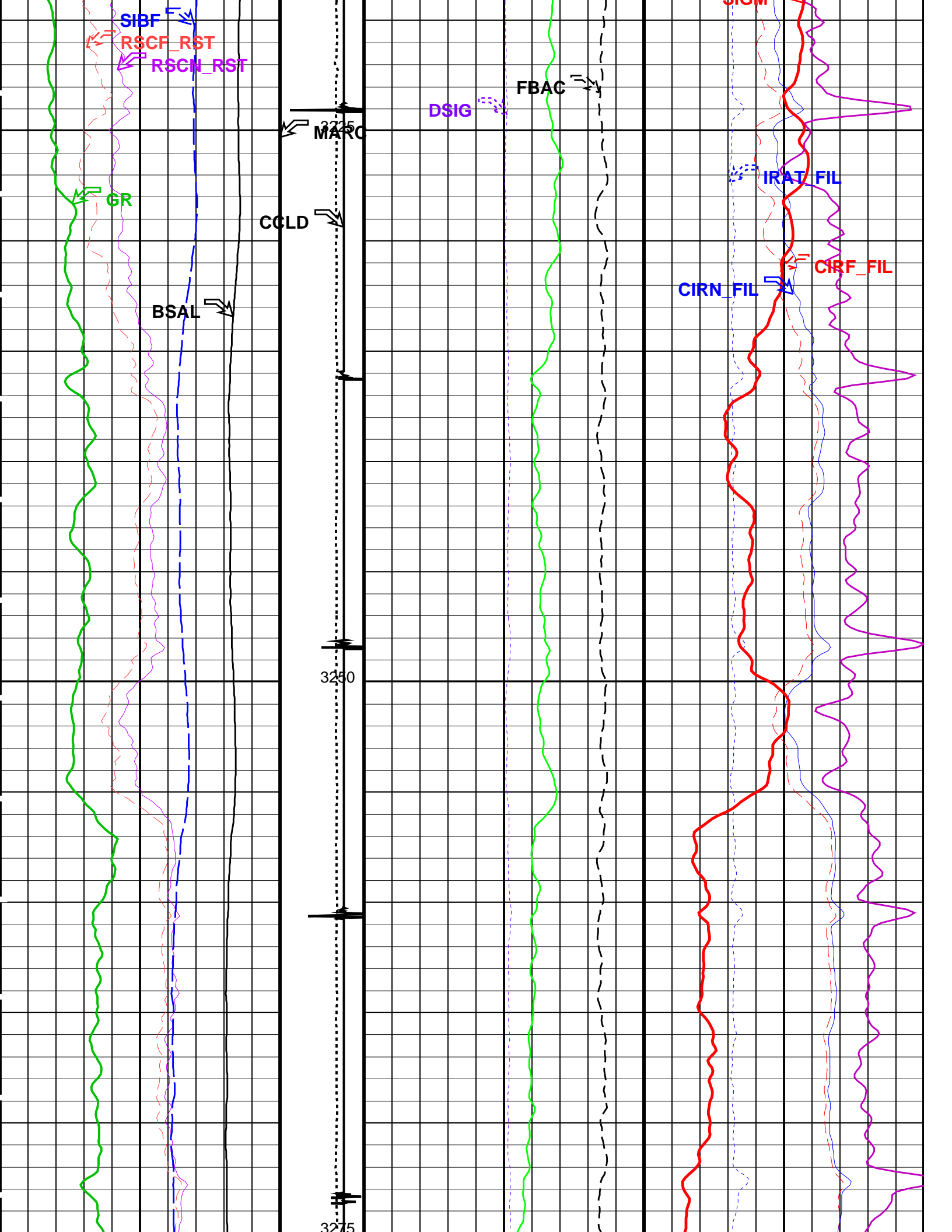
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

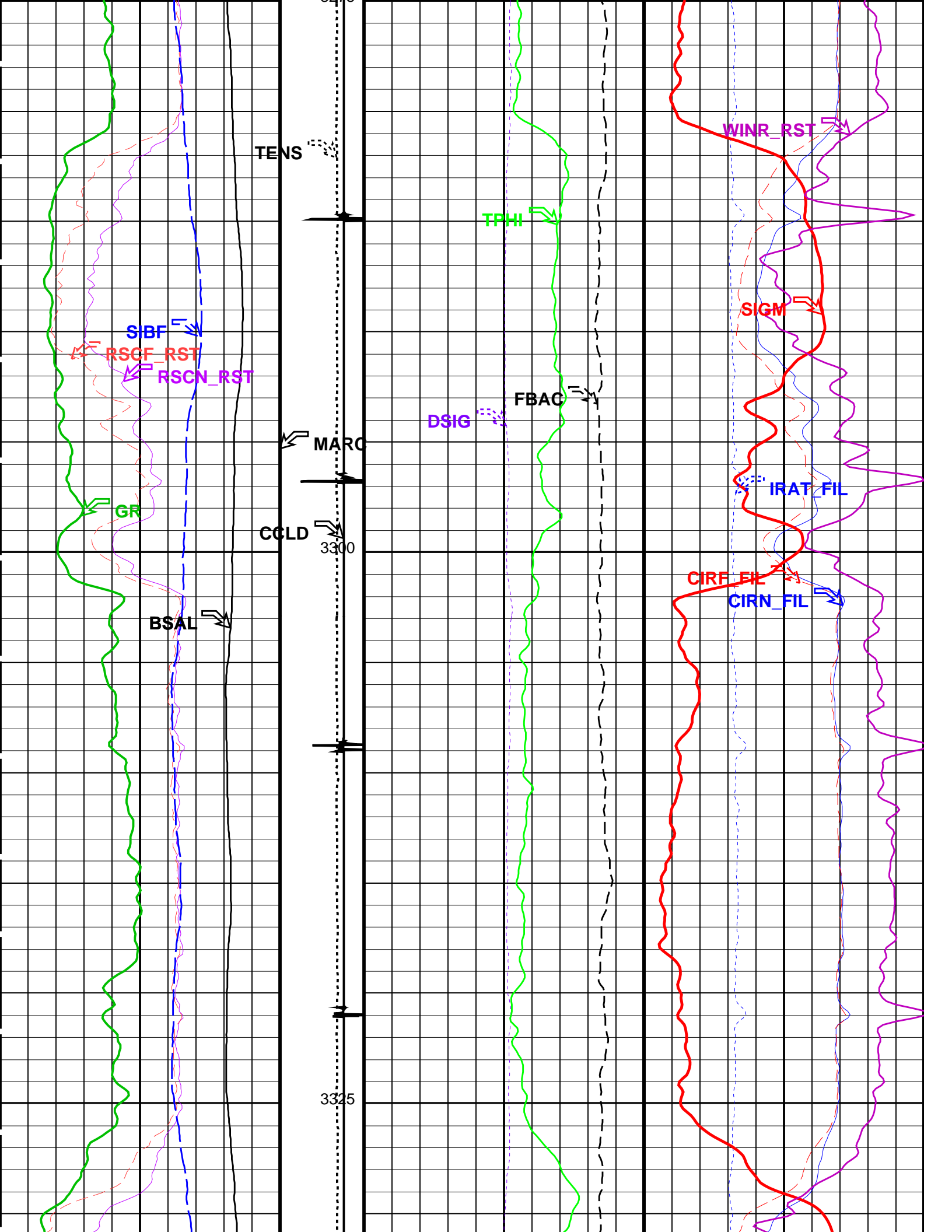
PIP SUMMARY

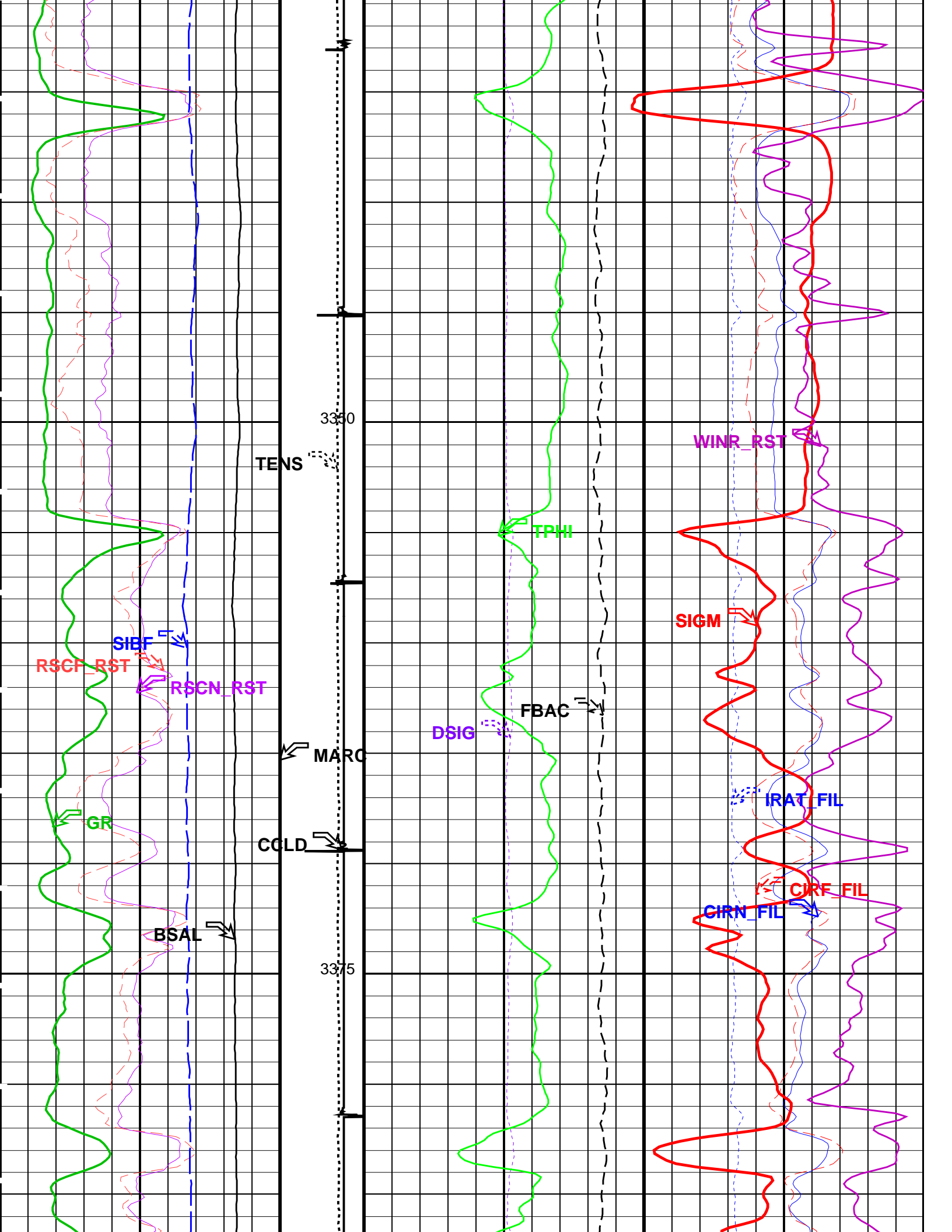
☒ Time Mark Every 60 S


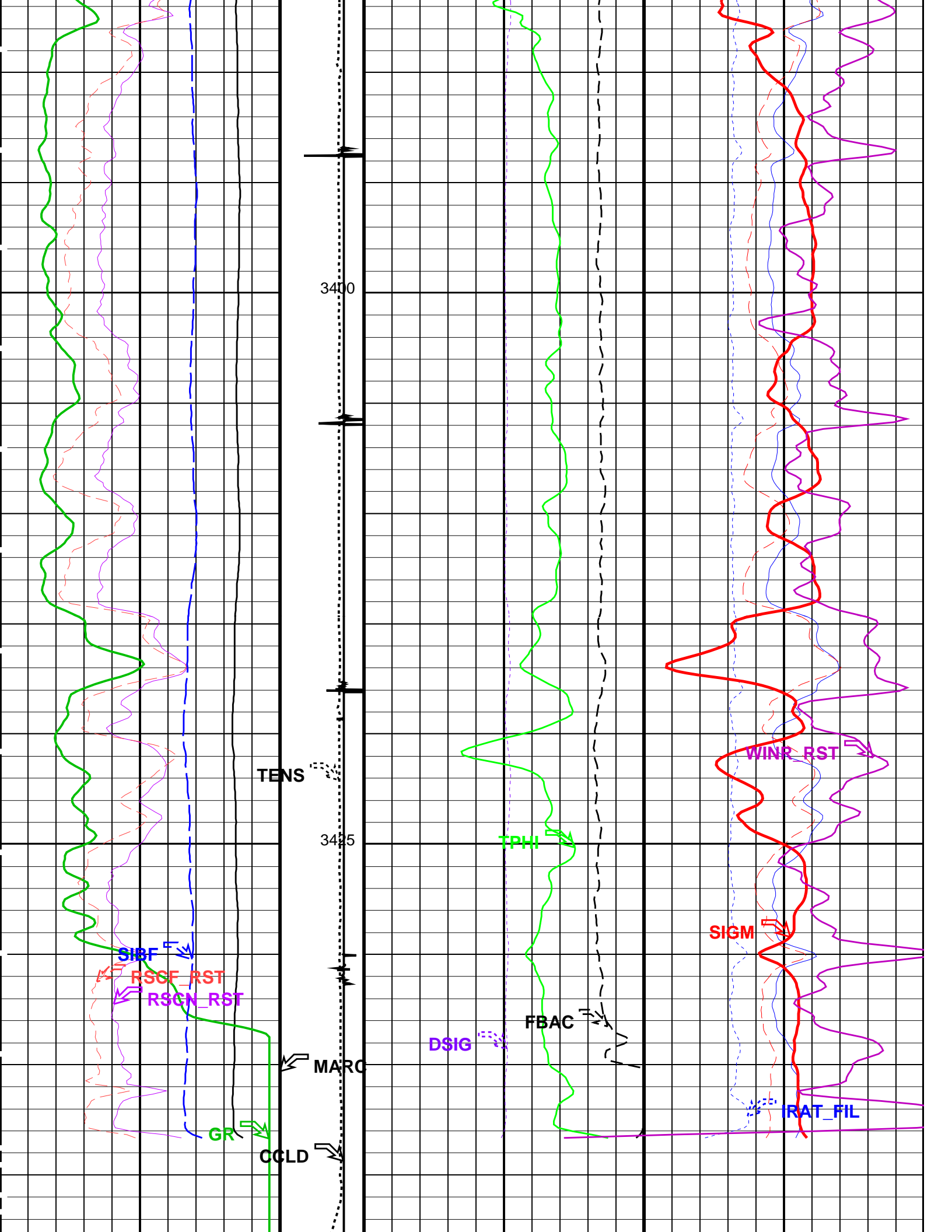












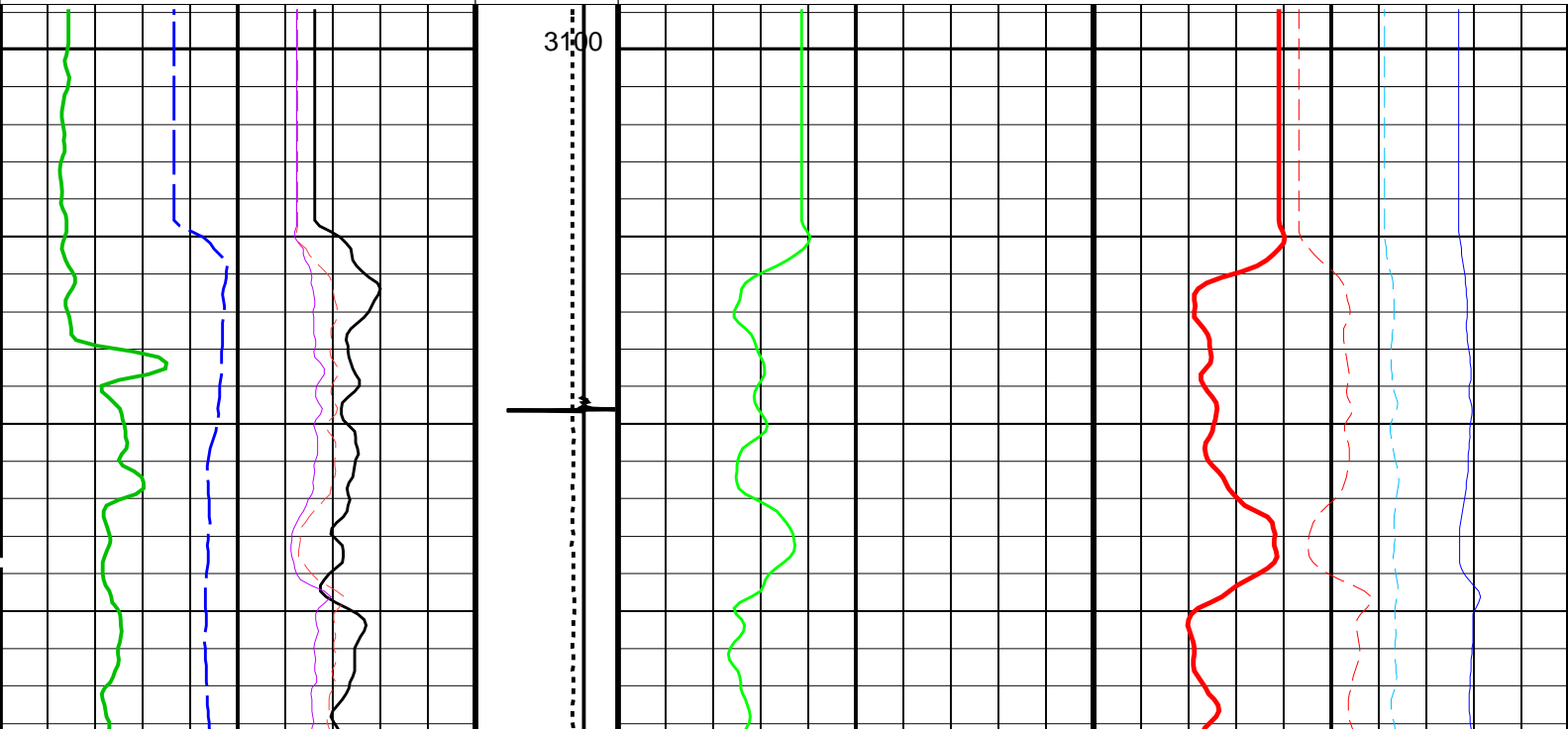
BSAL																																																											
RST Borehole Salinity (BSAL) (PPK)										Tension (TENS) (LBF)										RST Sigma Difference (DSIG) (CU)										RST Capture to Inelastic Ratio Near (CIRN_FIL)																													
450										-50										-30										30										2.5										0									
										0										3000																																							
RST Sigma Borehole Fluid (SIBF) (CU)										Discriminat ed CCL (CCLD) 3 (V) -1										MCS Far Background (filtered) (FBAC) (CPS)										RST Capture to Inelastic Ratio Far (CIRF_FIL)																													
100										0										0										5000										5										0									
Gamma Ray (GR) (GAPI)										Minitron Arc Detection (MARC)										RST Sigma (SIGM) (CU)																																							
0										200										60										0																													
										0																																																	
RST Near Effective Capture CR (RSCN_ RST)																				RST Porosity (TPHI) (V/V)										RST Inelastic Ratio (IRAT_FIL)																													
45										0										0.6										0										0.75										0									
RST Far Effective Capture CR (RSCF_ RST)																				RST Weighted Inelastic Ratio (WINR_RST)																																							
45										0										0.4																				0																			

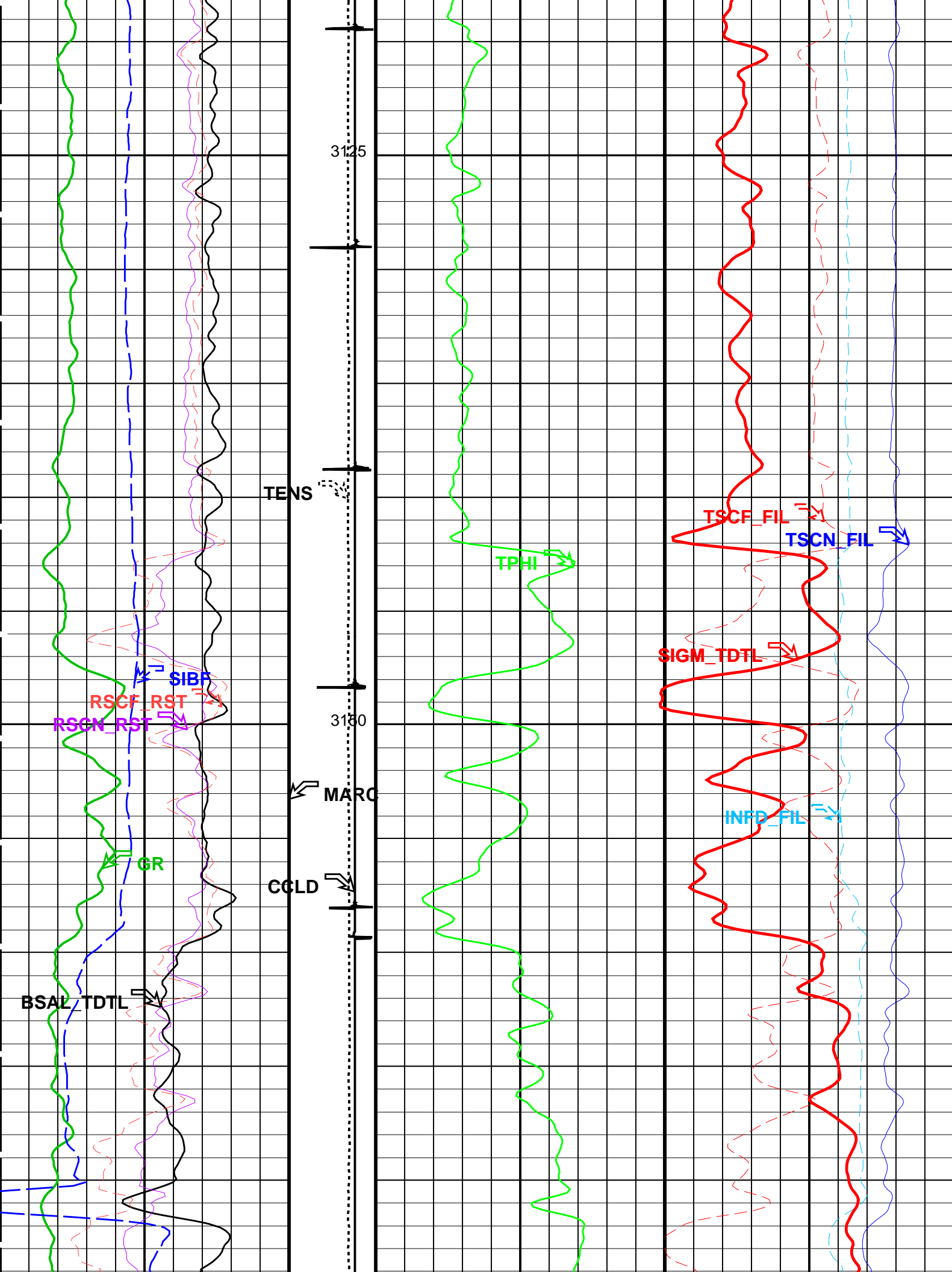
Company: Esso Australia Pty Ltd.						Well: A-6a
Input DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_031LUP	FN:36	PRODUCER	05-Jun-2006 21:40	3443.9 M	3098.4 M
Output DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_041PUP	FN:58	PRODUCER	06-Jun-2006 16:35	3443.8 M	3098.7 M
ESSO	FCS_RST_ILS_PSP_041PUC	FN:59	CUSTOMER	06-Jun-2006 16:35	3443.8 M	3098.7 M

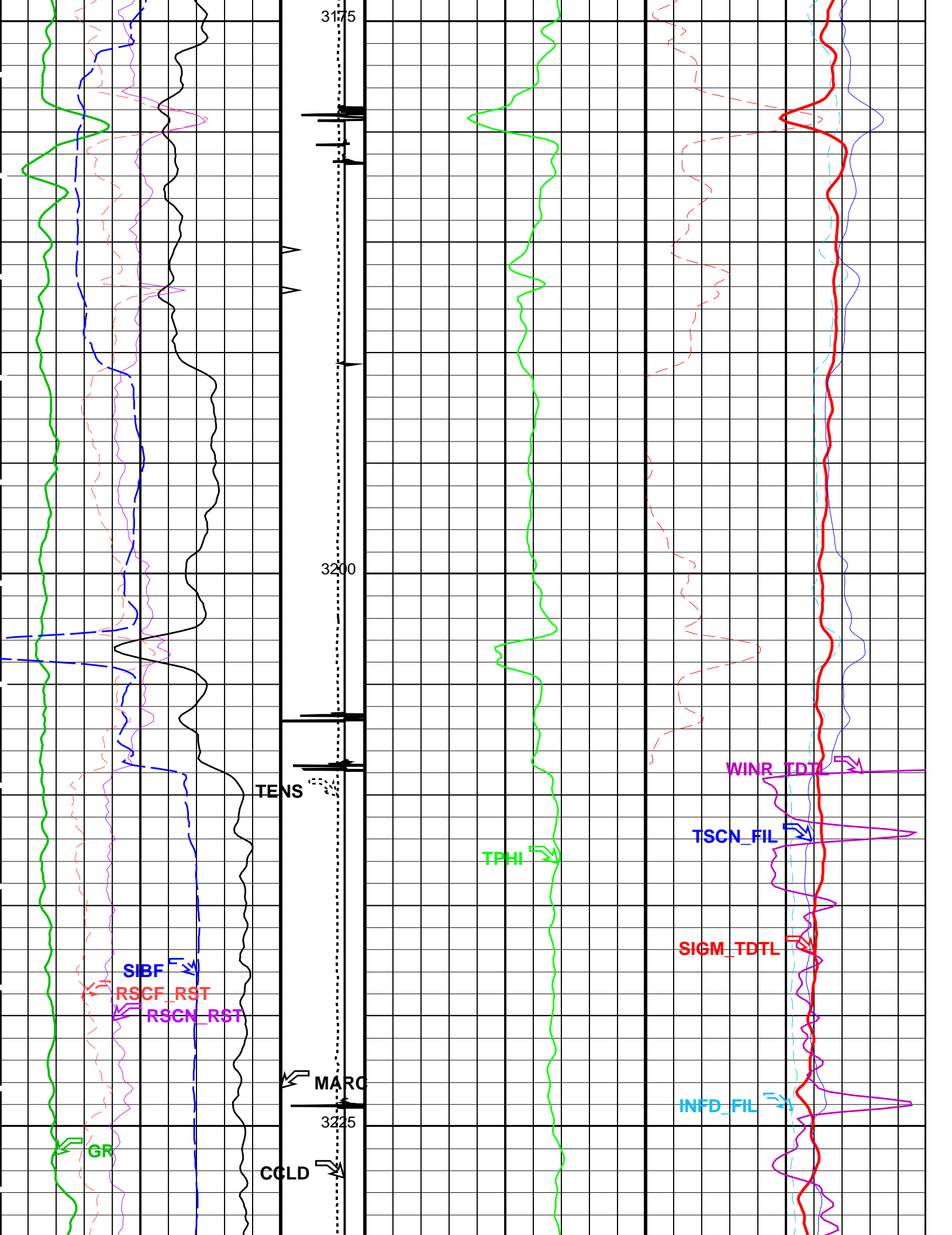
OP System Version: 14C0-302						
MCM						
PFCS-A	14C0-302	RST-C		14C0-302		
PILS-A	14C0-302	PSPT-B		14C0-302		

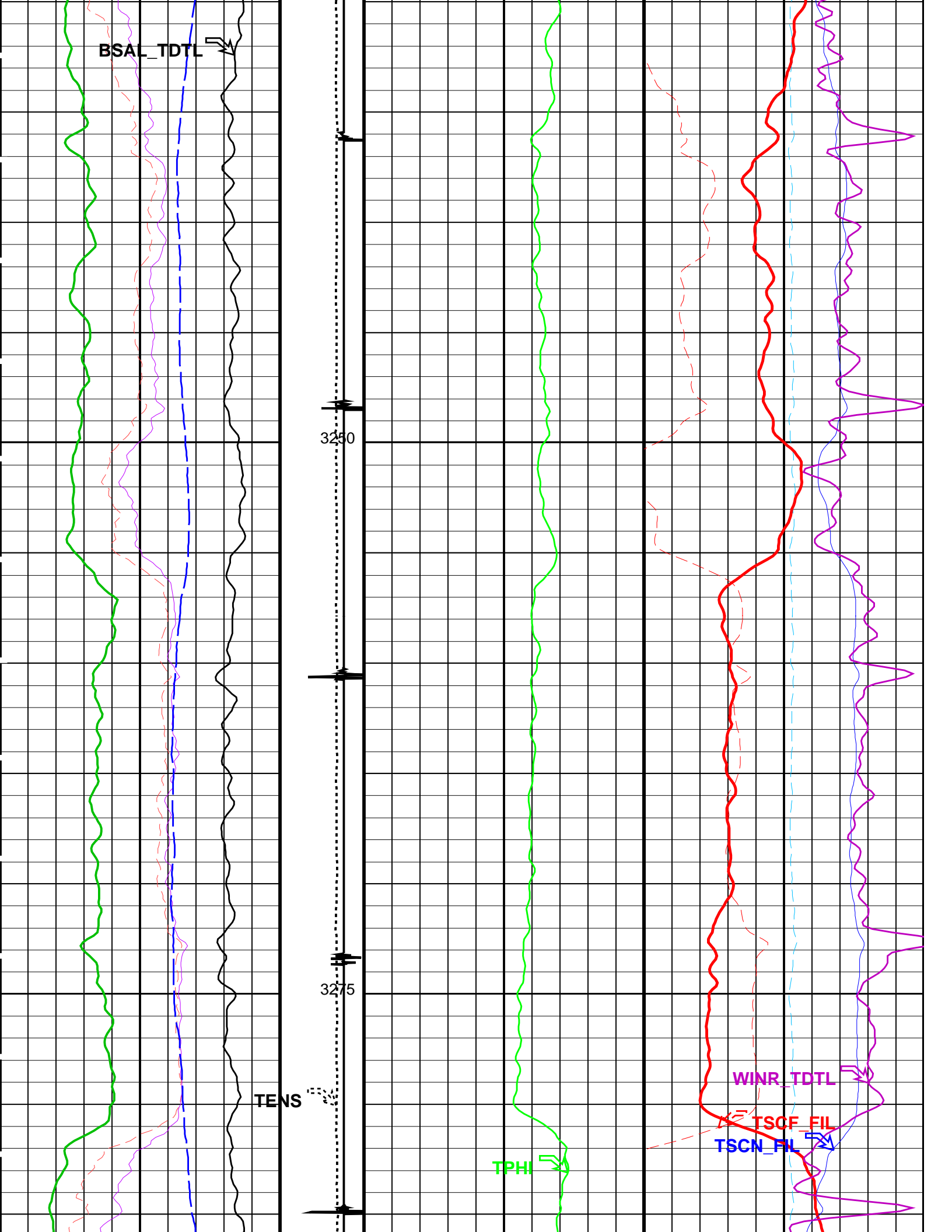
PIP SUMMARY						
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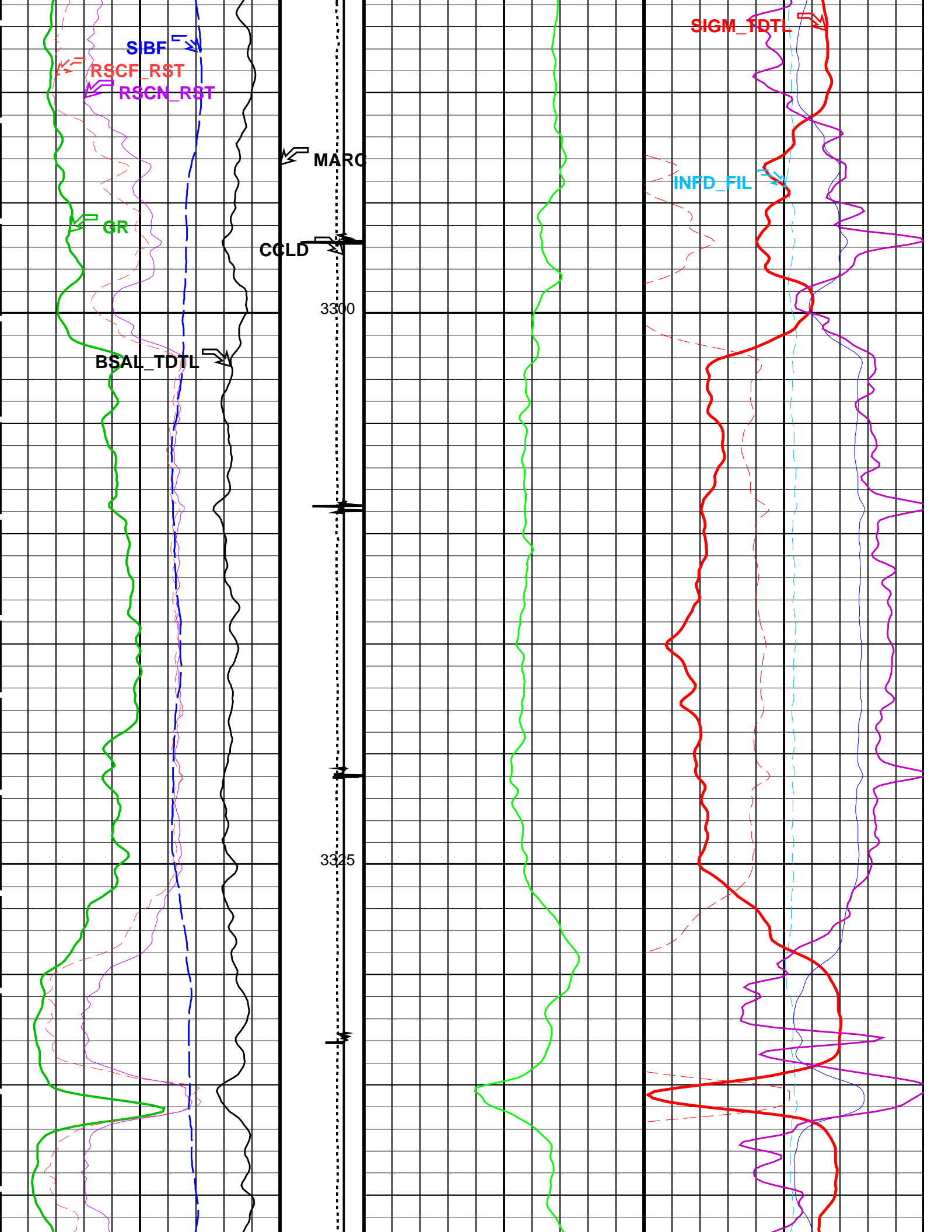
Time Mark Every 60 S								
RST Borehole Salinity (TDT-like) (BSAL_TDTL)					Tot Sel CR Far (TSCF_FIL)			
450	(PPK)	-50			12000	(CPS)	0	
RST Far Effective Capture CR (RSCF_RST)					Tot Sel CR Near (TSCN_FIL)			
45	(----	0			30000	(CPS)	0	
RST Near Effective Capture CR (RSCN_RST)			Minitron Arc Detection (MARC)	RST Weighted Inelastic Ratio (TDT-like) (WINR_TDTL)				
45	(----	0	0.4	(----				0
			0 (---- 5					
Gamma Ray (GR)			Discriminat ed CCL (CCLD)	RST Porosity (TPHI)		Inelastic CR Far (INFD_FIL)		
0	(GAPI)	200		0.6	(V/V)	0	10000	(CPS)
			3 (V) -1					
RST Sigma Borehole Fluid (SIBF)			Tension (TENS) (LBF)	RST Sigma (TDT-like) (SIGM_TDTL)				
100	(CU)	0	60	(CU)				0
			0 3000					

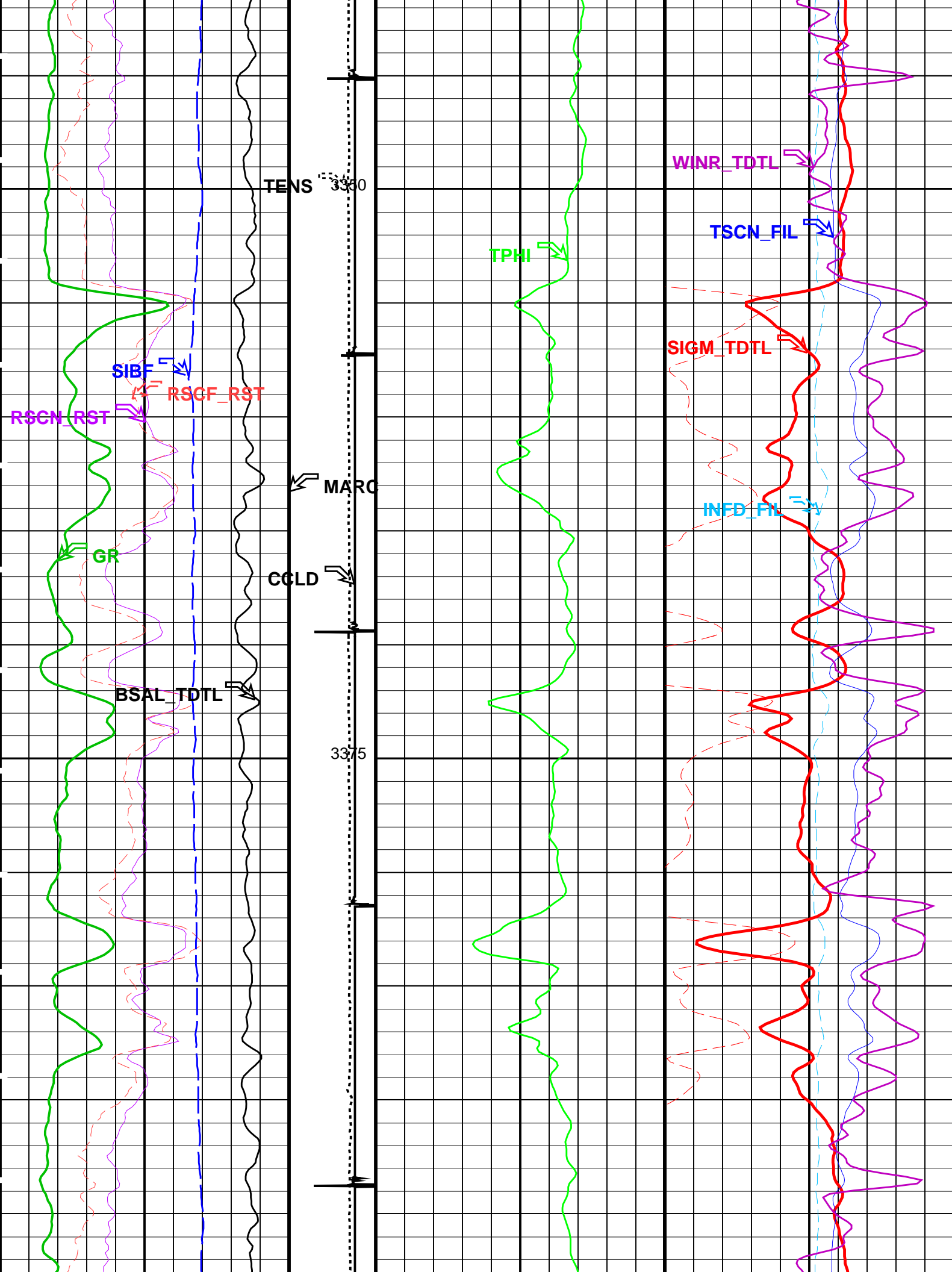


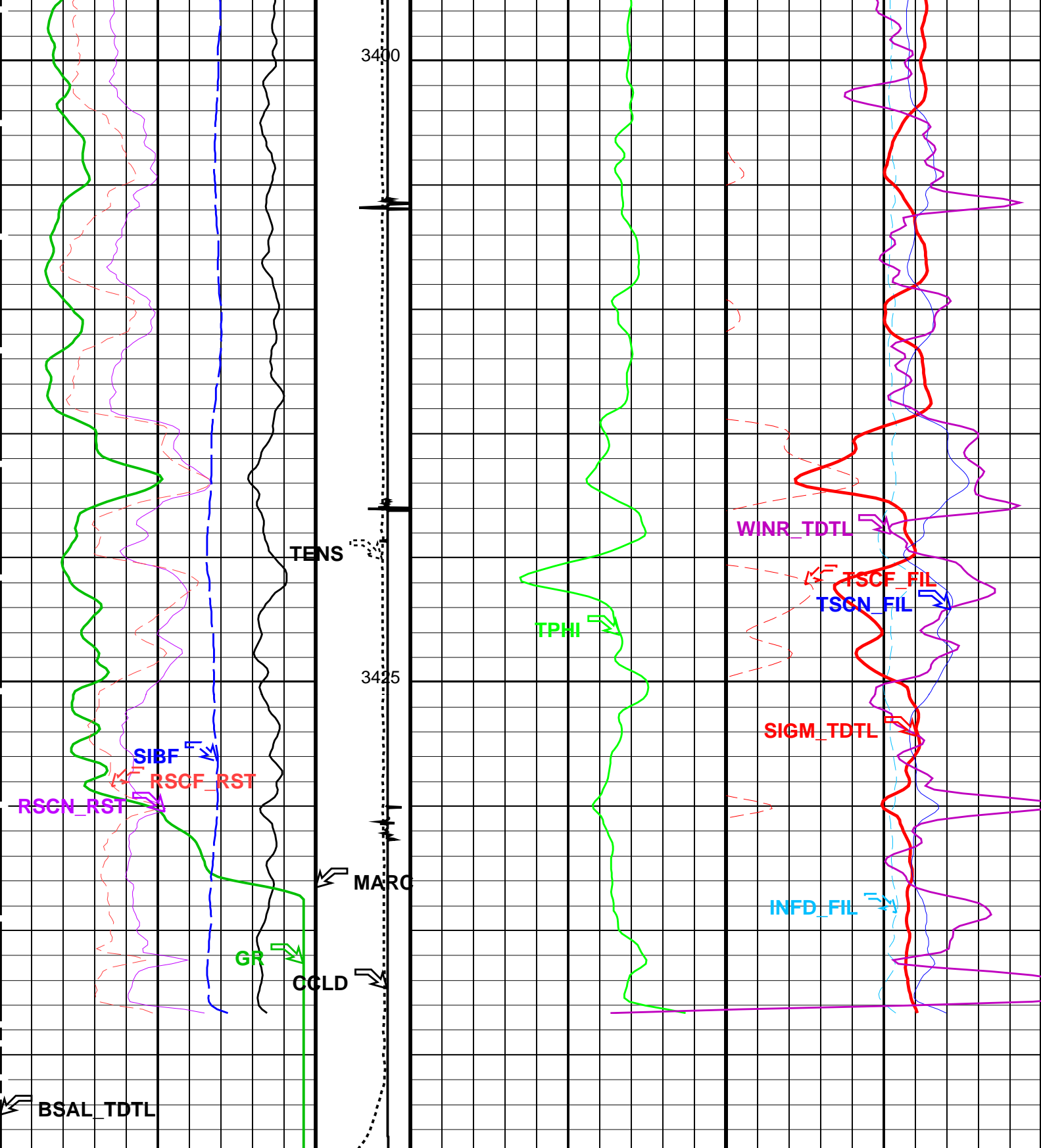












<div>RST Sigma Borehole Fluid (SIBF)</div> <div>100 (CU) 0</div>	<div>Tension (TENS) (LBF)</div> <div>0 3000</div>	<div>RST Sigma (TDT-like) (SIGM_TDTL)</div> <div>60 (CU) 0</div>
<div>Gamma Ray (GR)</div> <div>0 (GAPI) 200</div>	<div>Discriminat ed CCL (CCLD) (V)</div> <div>3 -1</div>	<div>RST Porosity (TPHI)</div> <div>0.6 (V/V) 0</div>
<div>RST Near Effective Capture CR (RSCN_RST)</div>	<div>Minitron Arc Detection</div>	<div>Inelastic CR Far (INFD_FIL)</div> <div>10000 (CPS) 0</div>
		<div>RST Weighted Inelastic Ratio (TDT-like) (WINR_TDTL)</div>

45	RST) (-----	0	Detection (MARC)	0.4	(-----	0
		0	(---- 5			
RST Far Effective Capture CR (RSCF_						Tot Sel CR Near (TSCN_FIL)
45	RST) (-----	0				30000 (CPS) 0
RST Borehole Salinity (TDT-like) (BSAL_						Tot Sel CR Far (TSCF_FIL)
	TDTL)					12000 (CPS) 0
450	(PPK)	-50				

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
RST-C: Reservoir Saturation Pro Tool C			
AIRB	RST Air Borehole	No	
BHS	Borehole Status	CASED	
BSALOPT	RST Borehole Salinity Option	Unknown	
BSFL	RST Borehole Salinity Filter Length	51	
DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	CU
RGAI	Near/Far Gain Calibration Ratio	1	
SMBMO	RST Sigma Mode Background Minitron Off	No	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
PSPT-B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
System and Miscellaneous			
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	-0.2	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	NORMAL	

Format: RST_TDTL_ANSW Vertical Scale: 1:200 Graphics File Created: 06-Jun-2006 16:36

OP System Version: 14C0-302

MCM

PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

Input DLIS Files

DEFAULT	FCS_RST_ILS_PSP_031LUP	FN:36	PRODUCER	05-Jun-2006 21:40	3443.9 M	3098.4 M
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Output DLIS Files

DEFAULT	FCS_RST_ILS_PSP_041PUP	FN:58	PRODUCER	06-Jun-2006 16:35		
ESSO	FCS_RST_ILS_PSP_041PUC	FN:59	CUSTOMER	06-Jun-2006 16:35		



RST – Sigma Pass 1

Input DLIS Files

DEFAULT	FCS_RST_ILS_PSP_028LUP	FN:32	PRODUCER	05-Jun-2006 21:39	3444.4 M	3102.9 M
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Output DLIS Files

DEFAULT	FCS_RST_ILS_PSP_040PUP	FN:56	PRODUCER	06-Jun-2006 16:20	3443.8 M	3102.7 M
ESSO	FCS_RST_ILS_PSP_040PUC	FN:57	CUSTOMER	06-Jun-2006 16:20	3443.8 M	3102.7 M

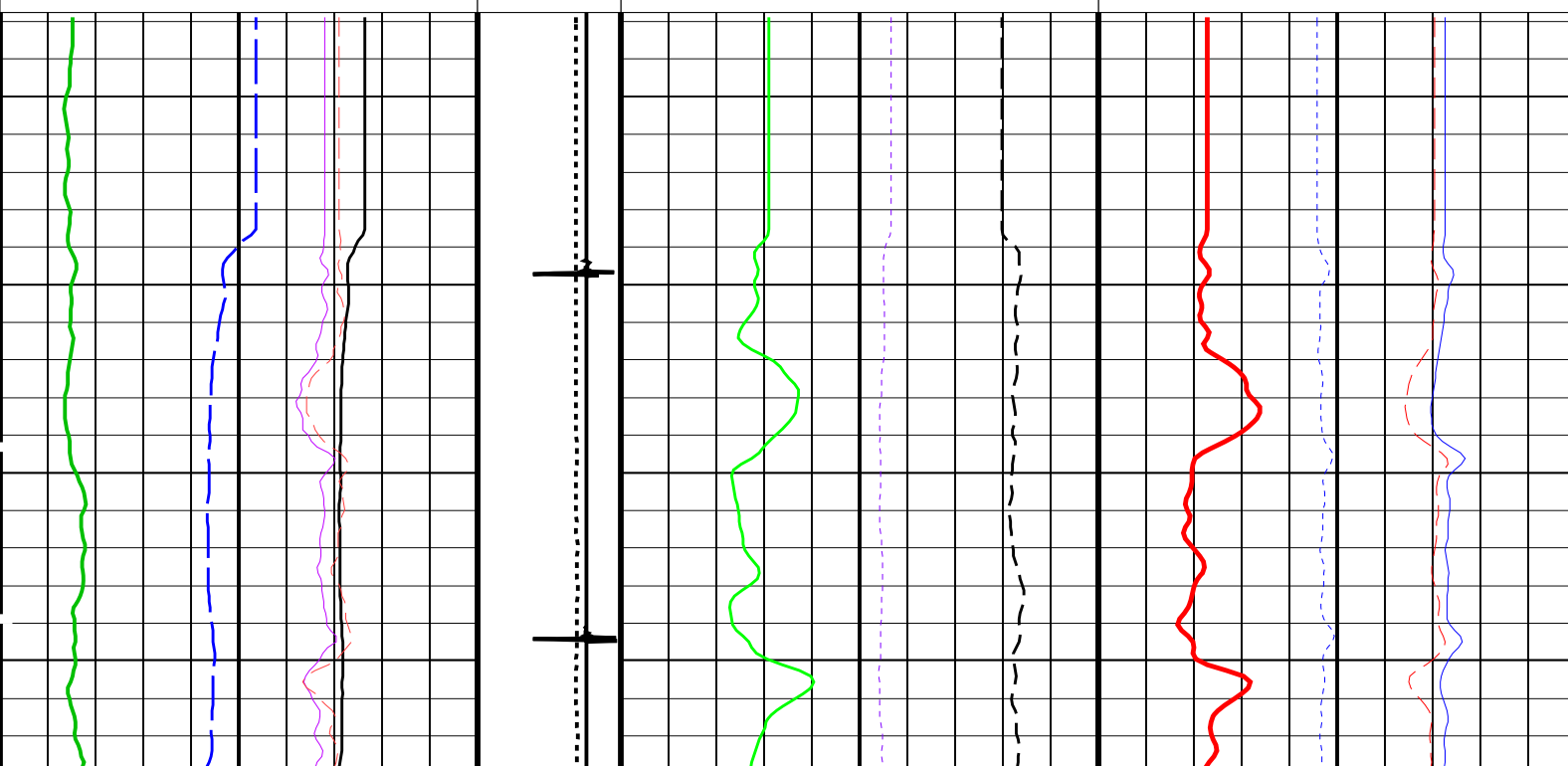
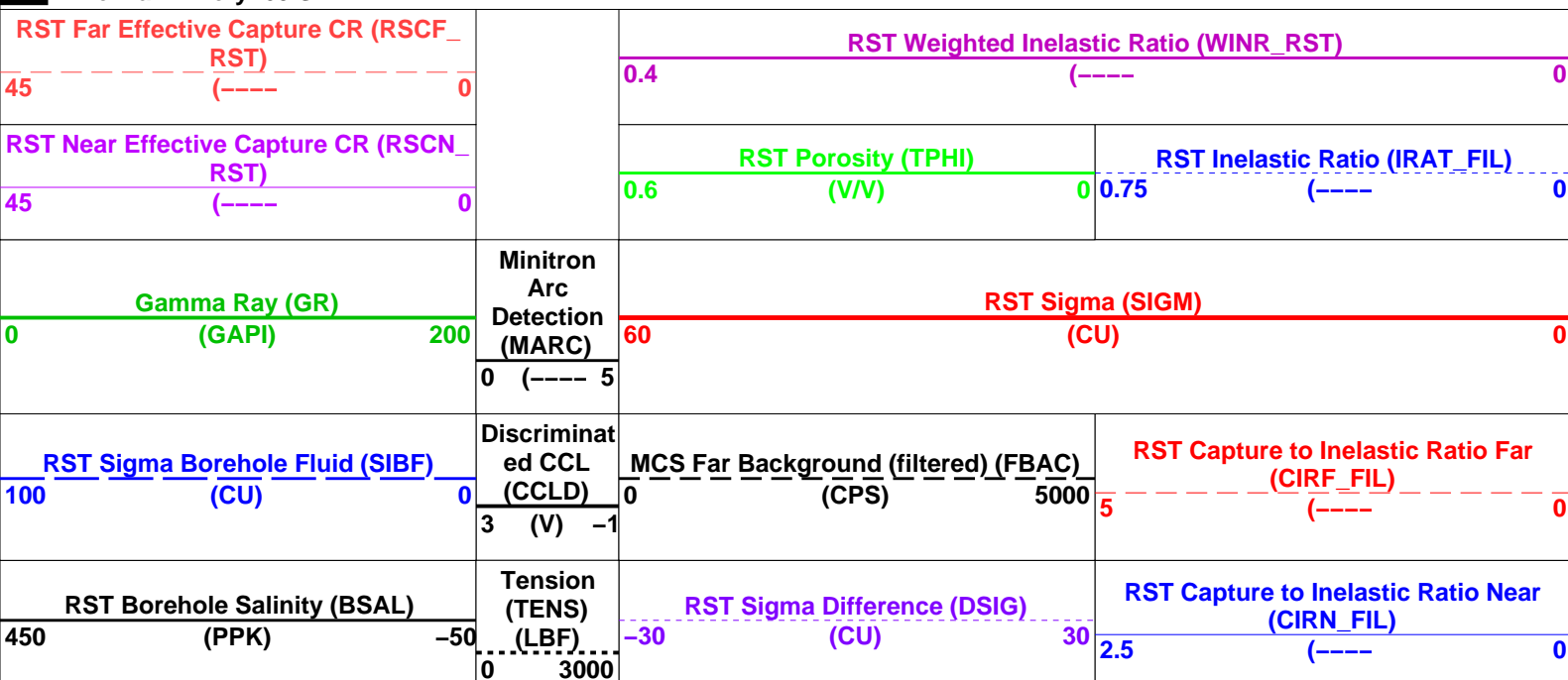
OP System Version: 14C0-302

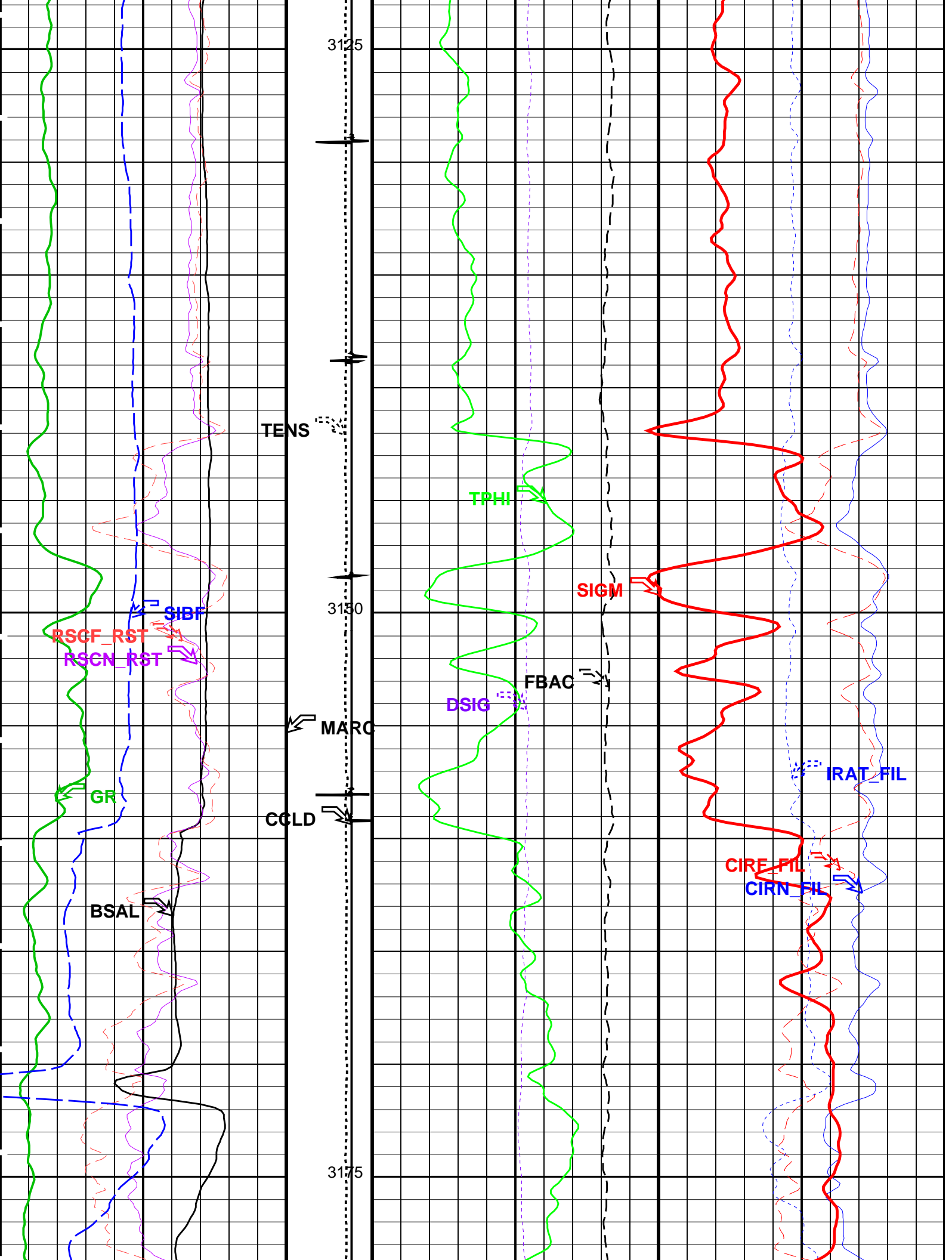
MCM

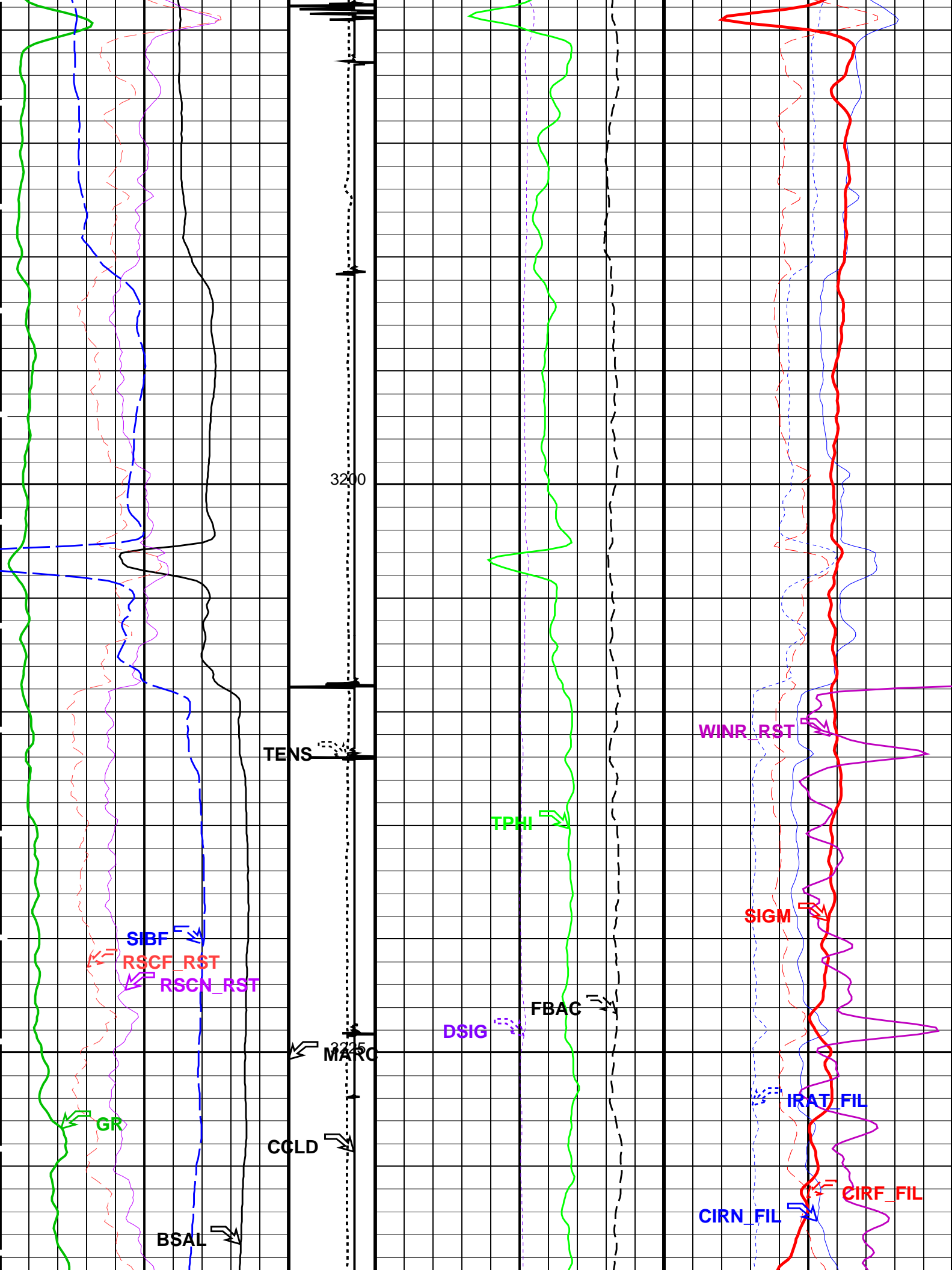
PFCs-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

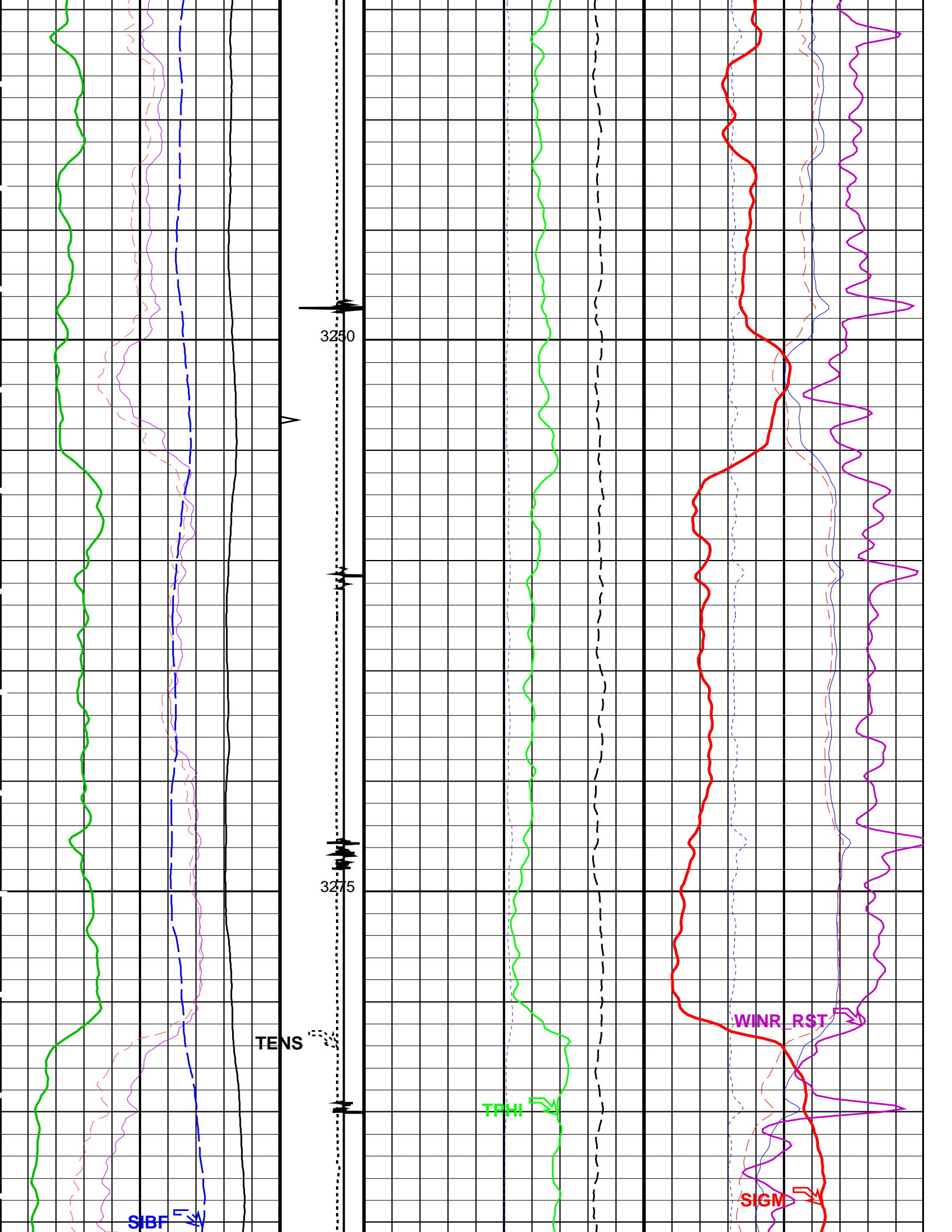
PIP SUMMARY

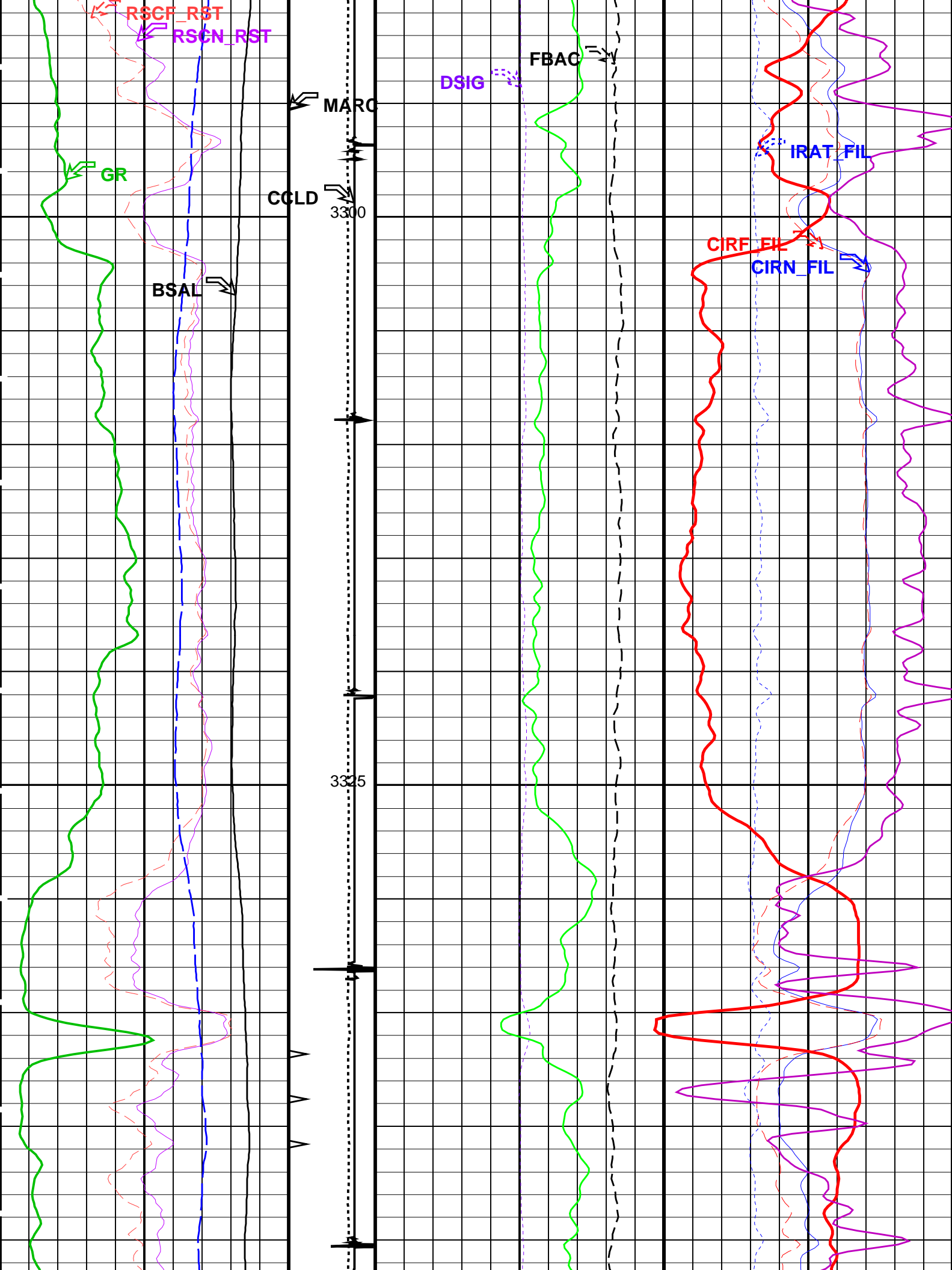
Time Mark Every 60 S

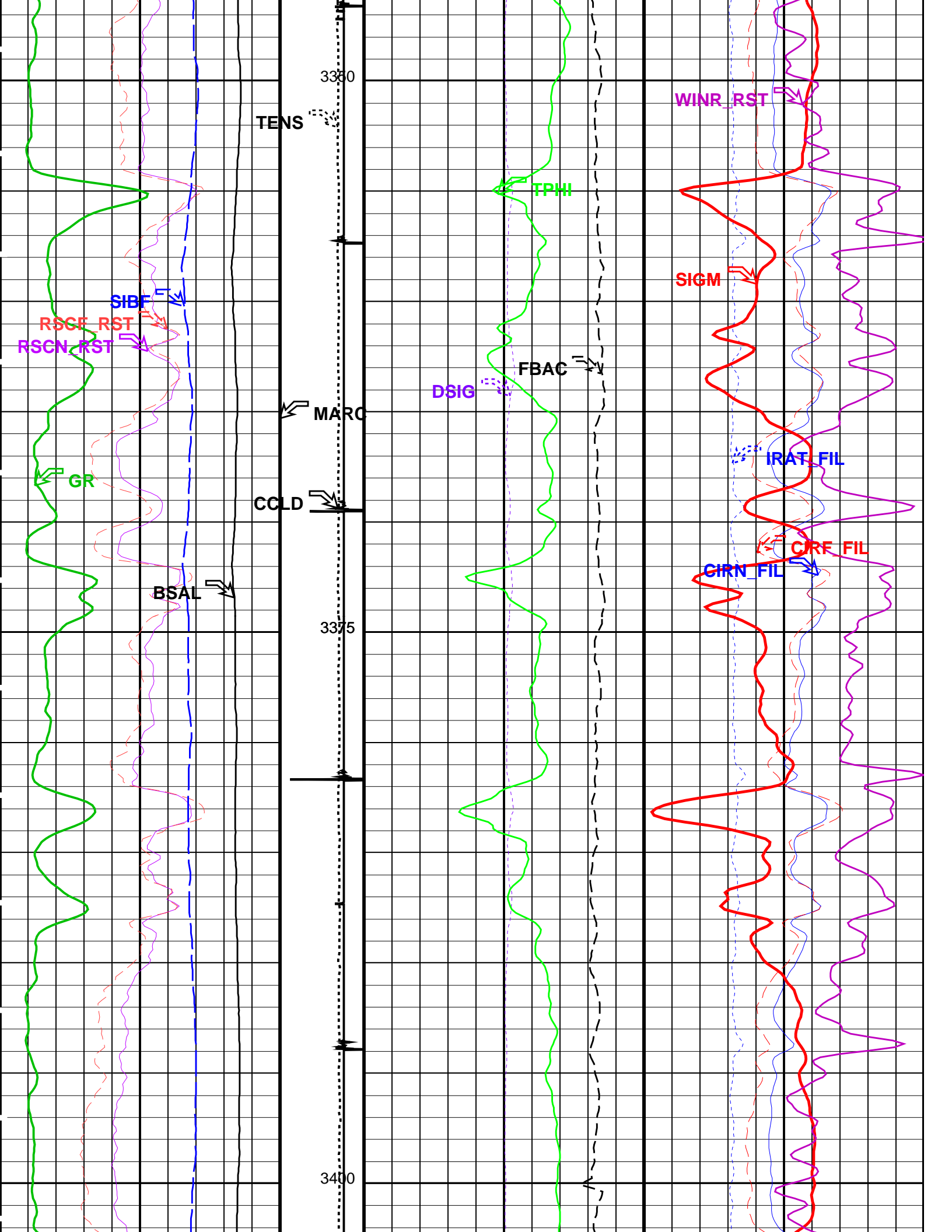


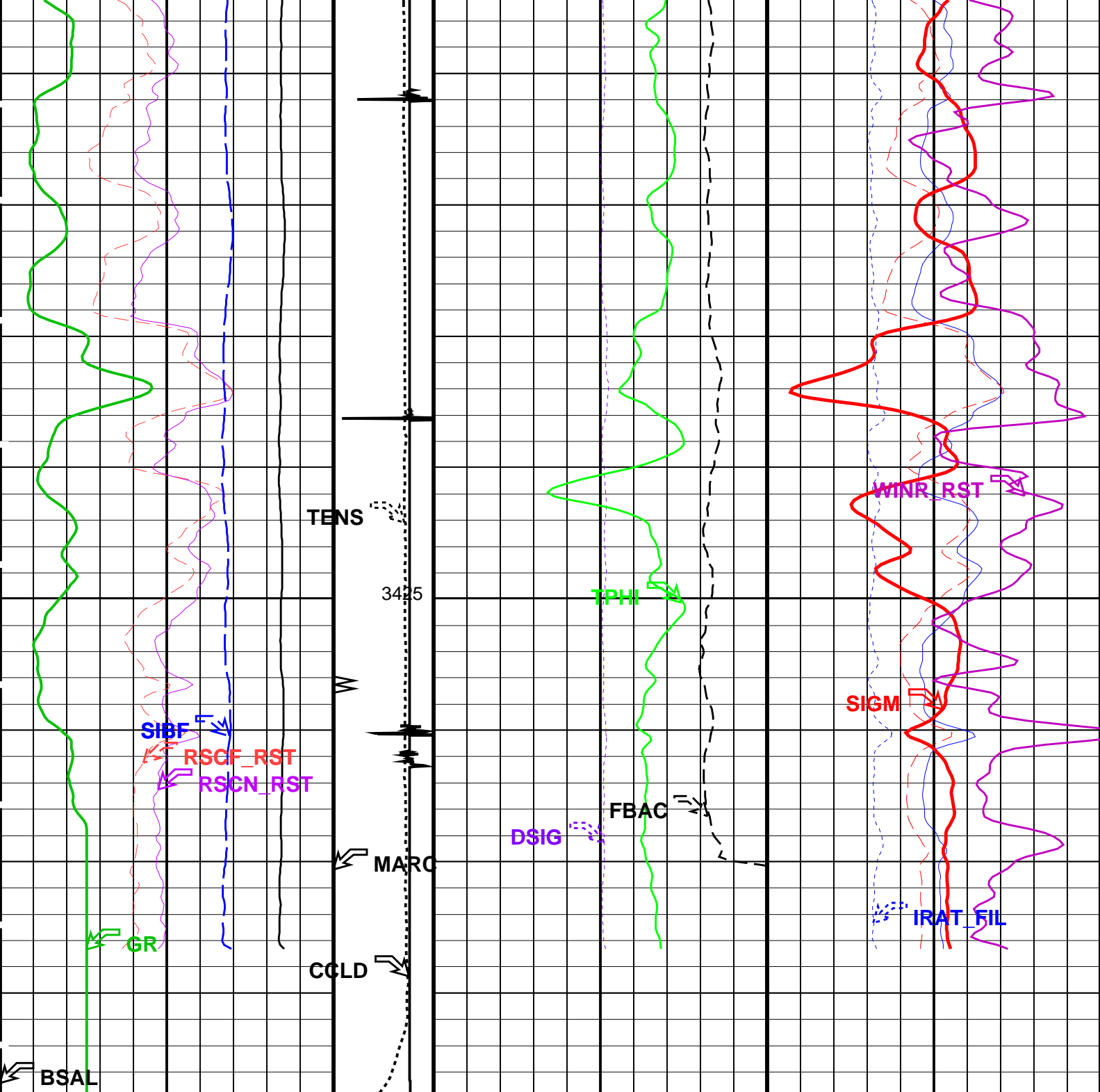












RST Borehole Salinity (BSAL) (PPK)	Tension (TENS) (LBF)	RST Sigma Difference (DSIG) (CU)	RST Capture to Inelastic Ratio Near (CIRN_FIL)
450 -50	0 3000	-30 30	2.5 0
RST Sigma Borehole Fluid (SIBF) (CU)	Discriminat ed CCL (CCLD)	MCS Far Background (filtered) (FBAC) (CPS)	RST Capture to Inelastic Ratio Far (CIRF_FIL)
100 0	3 (V) -1	0 5000	5 0
Gamma Ray (GR) (GAPI)	Minitron Arc Detection (MARC)	RST Sigma (SIGM) (CU)	
0 200	0 (---- 5	60 0	
RST Near Effective Capture CR (RSCN_ RST)		RST Porosity (TPHI) (V/V)	RST Inelastic Ratio (IRAT_FIL)
45 0		0.6 0	0.75 0

RST Far Effective Capture CR (RSCF_RST)		RST Weighted Inelastic Ratio (WINR_RST)	
45	0	0.4	0

PIP SUMMARY
Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
PFCS-A: PSP Flow and caliper Tool			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
RST-C: Reservoir Saturation Pro Tool C			
AIRB	RST Air Borehole	No	
BHS	Borehole Status	CASED	
BSALOPT	RST Borehole Salinity Option	Unknown	
BSFL	RST Borehole Salinity Filter Length	51	
DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	
RGAI	Near/Far Gain Calibration Ratio	1	
SMBMO	RST Sigma Mode Background Minitron Off	No	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
PSPT-B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
System and Miscellaneous			
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	-0.6	M
PP	Playback Processing	NORMAL	

Format: RST_SIG_ANSW	Vertical Scale: 1:200	Graphics File Created: 06-Jun-2006 16:20
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OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

Input DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_028LUP	FN:32	PRODUCER	05-Jun-2006 21:39	3444.4 M	3102.9 M
Output DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_040PUP	FN:56	PRODUCER	06-Jun-2006 16:20		
ESSO	FCS_RST_ILS_PSP_040PUC	FN:57	CUSTOMER	06-Jun-2006 16:20		

Company: Esso Australia Pty Ltd.	Well: A-6a
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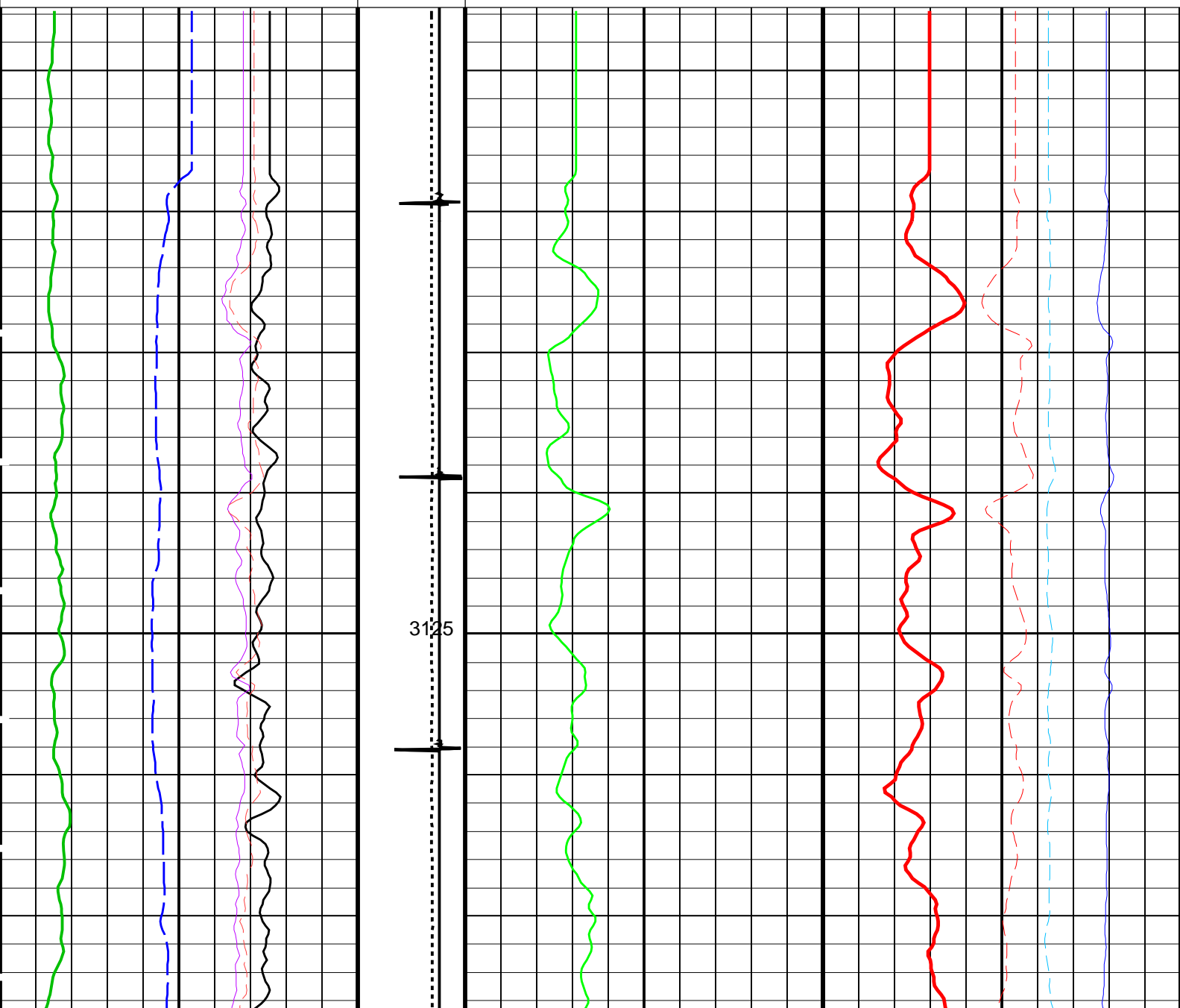
Input DLIS Files						
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Output DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_040PUP	FN:56	PRODUCER	06-Jun-2006 16:20	3443.8 M	3102.7 M
ESSO	FCS_RST_ILS_PSP_040PUC	FN:57	CUSTOMER	06-Jun-2006 16:20	3443.8 M	3102.7 M

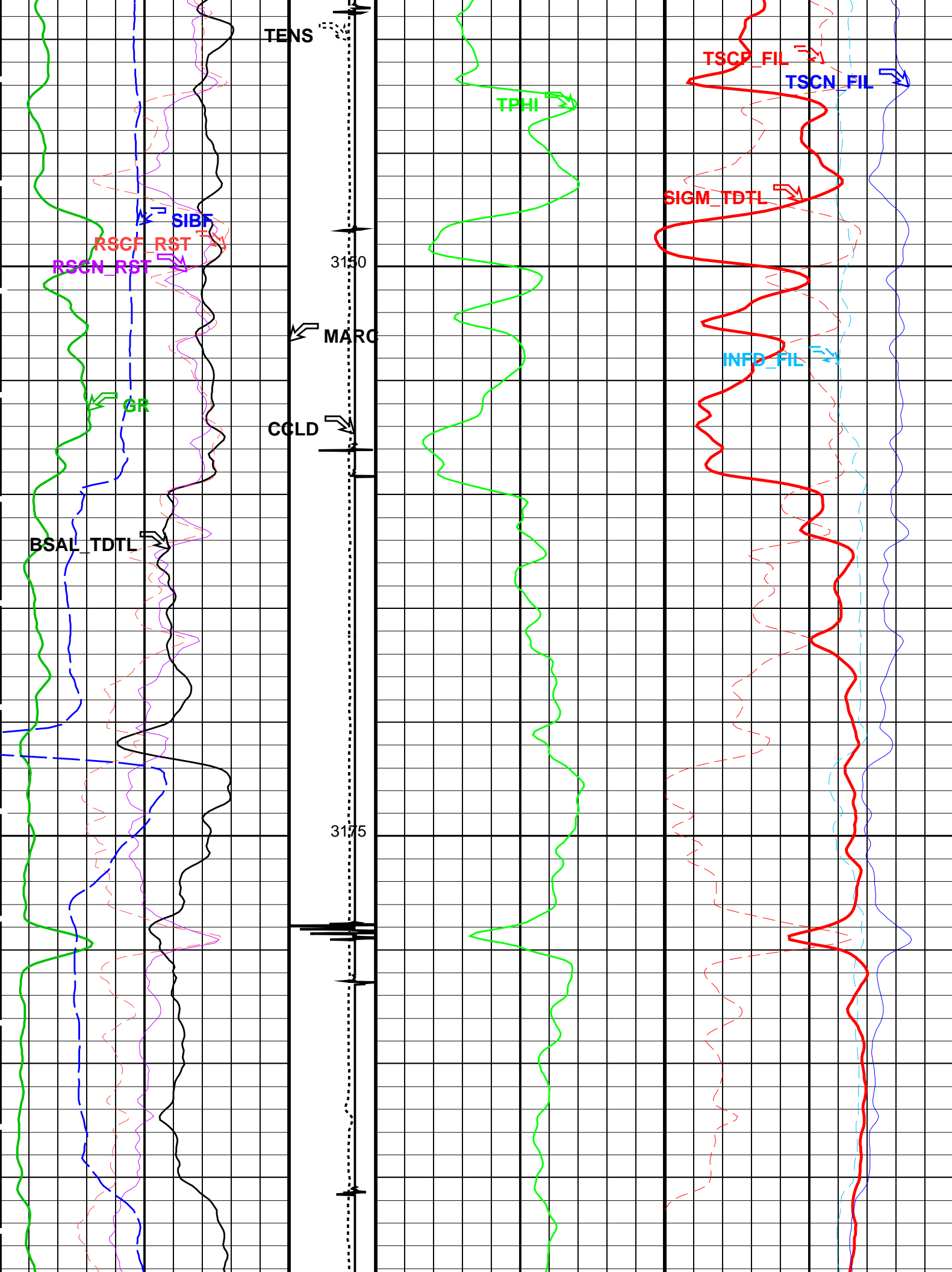
OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

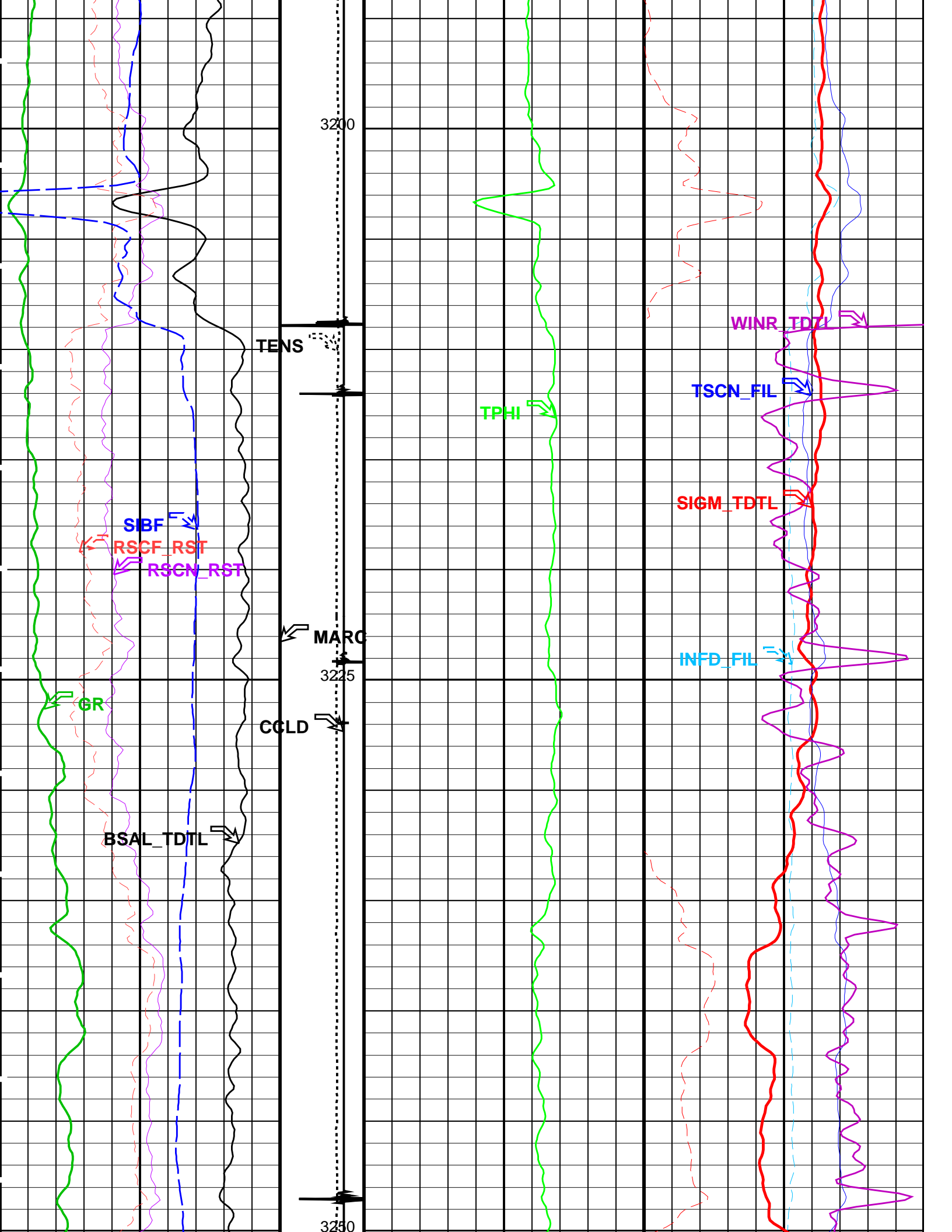
PIP SUMMARY

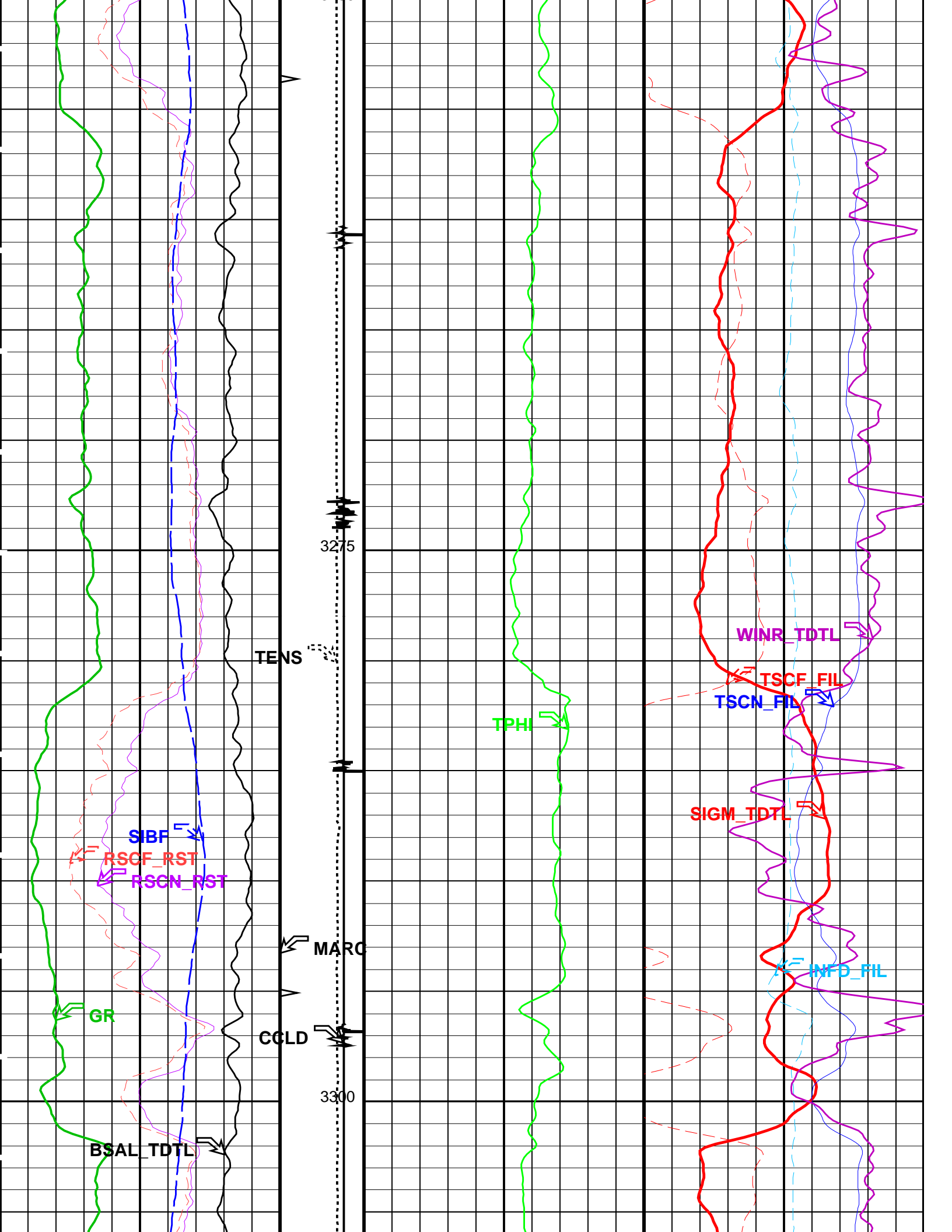
Time Mark Every 60 S

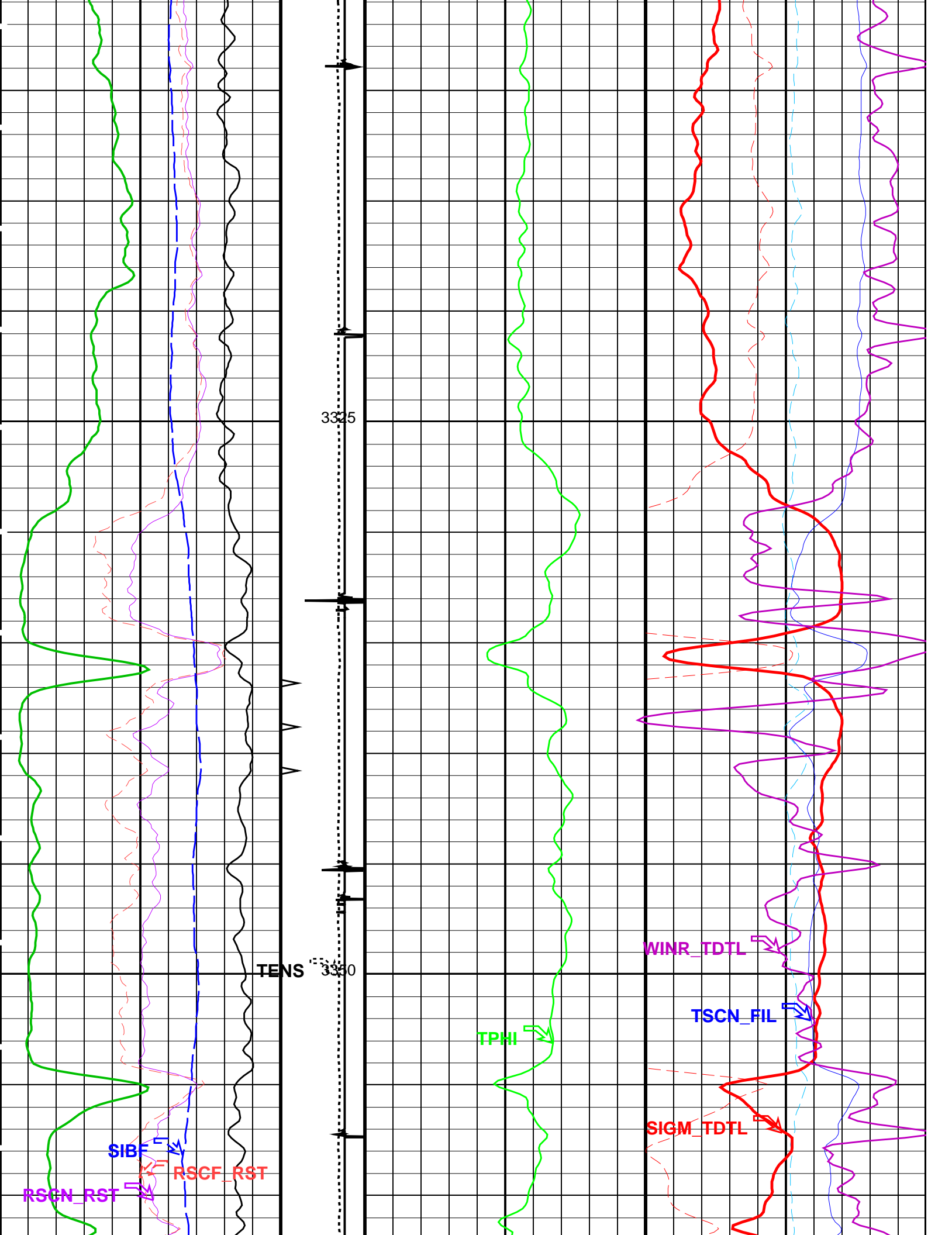
RST Borehole Salinity (TDT-like) (BSAL_TDTL) 450 (PPK) -50		Tot Sel CR Far (TSCF_FIL) 12000 (CPS) 0	
RST Far Effective Capture CR (RSCF_RST) 45 (----) 0		Tot Sel CR Near (TSCN_FIL) 30000 (CPS) 0	
RST Near Effective Capture CR (RSCN_RST) 45 (----) 0		RST Weighted Inelastic Ratio (TDT-like) (WINR_TDTL) 0.4 (----) 0	
Gamma Ray (GR) 0 (GAPI) 200		RST Porosity (TPHI) 0.6 (V/V) 0	Inelastic CR Far (INFD_FIL) 10000 (CPS) 0
RST Sigma Borehole Fluid (SIBF) 100 (CU) 0		RST Sigma (TDT-like) (SIGM_TDTL) 60 (CU) 0	

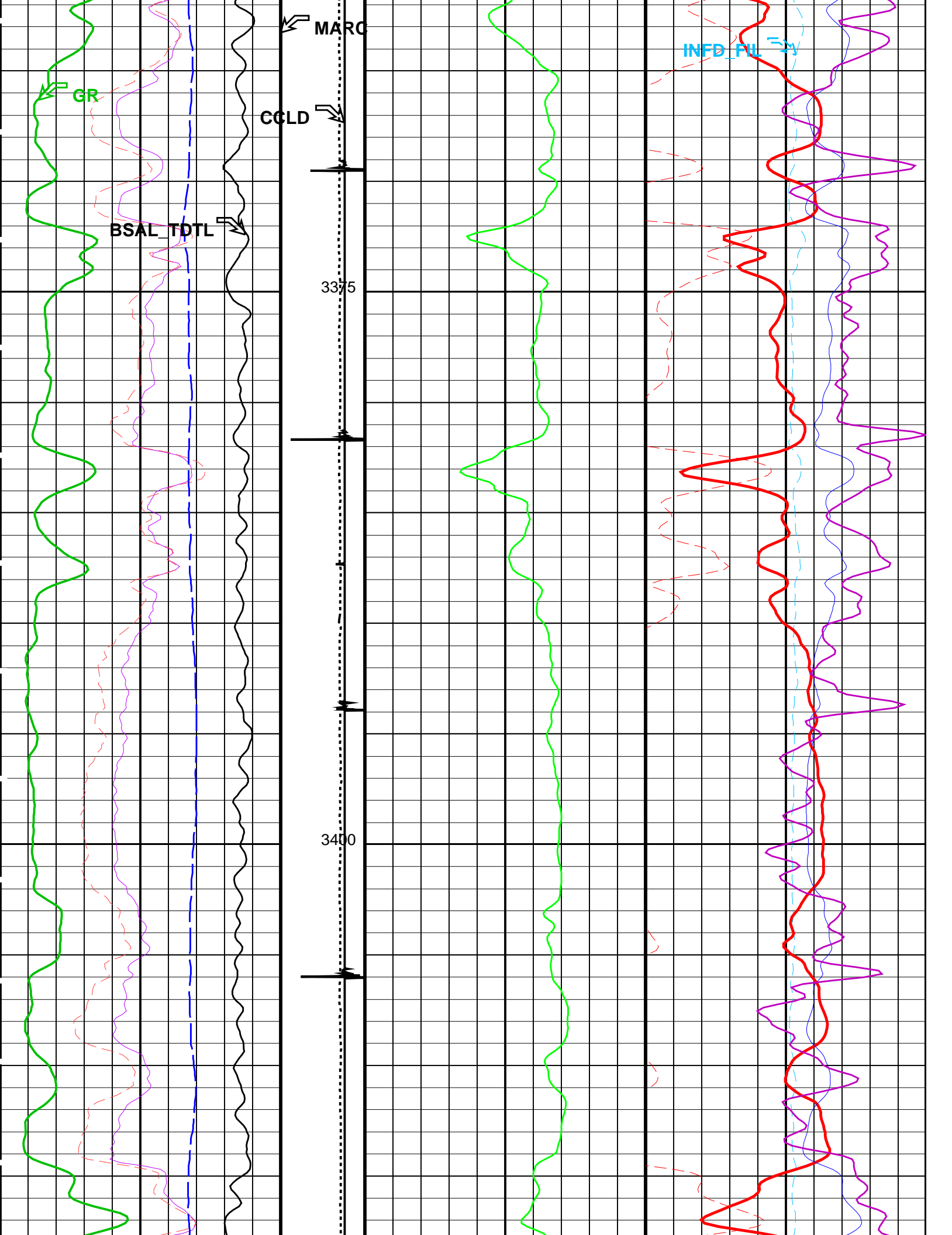


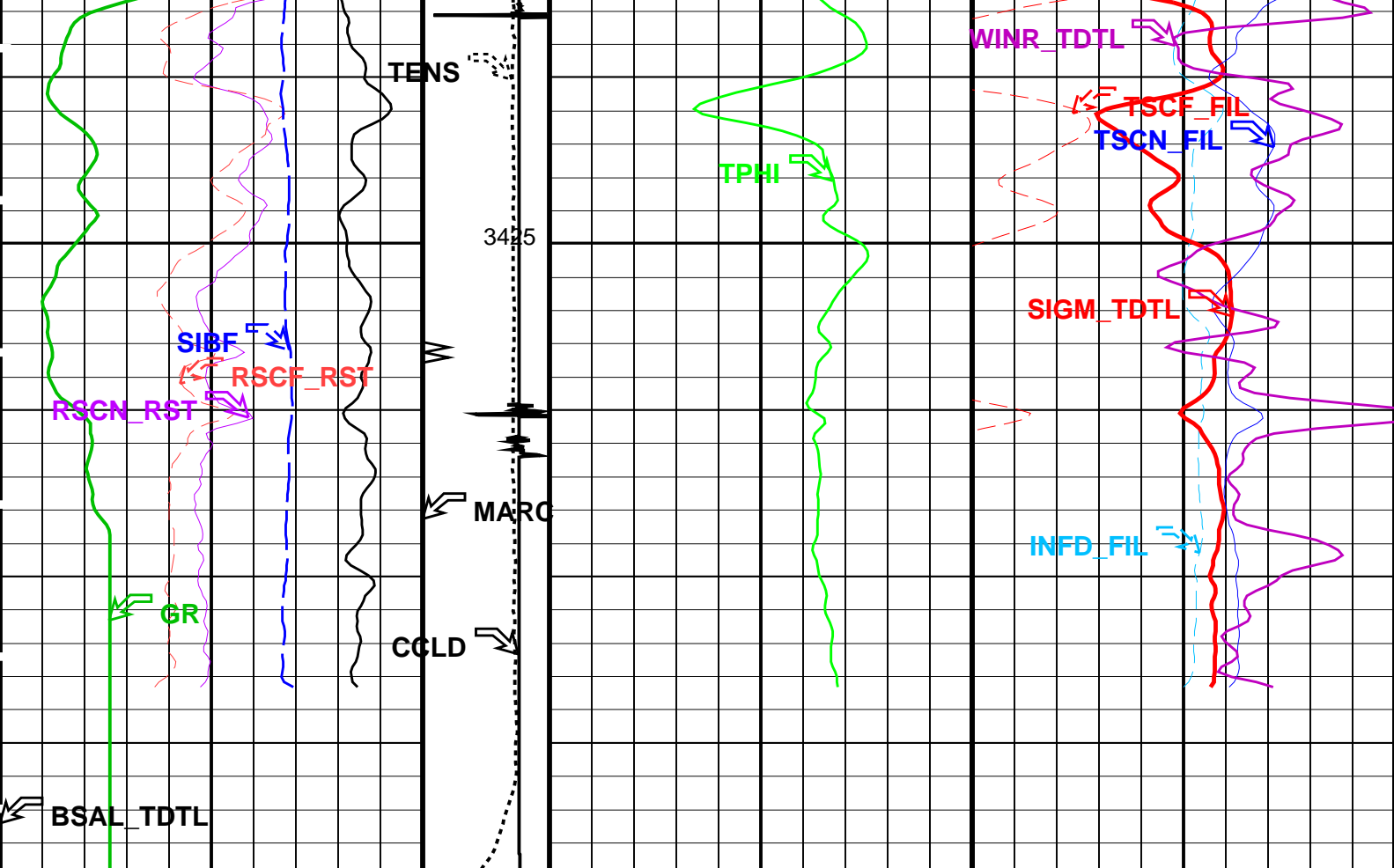












<u>RST Sigma Borehole Fluid (SIBF)</u> 100 (CU) 0	Tension (TENS) (LBF) 0 3000	<u>RST Sigma (TDT-like) (SIGM_TDTL)</u> 60 (CU) 0
<u>Gamma Ray (GR)</u> 0 (GAPI) 200	Discriminat ed CCL (CCLD) 3 (V) -1	<u>RST Porosity (TPHI)</u> 0.6 (V/V) 0
<u>RST Near Effective Capture CR (RSCN_RST)</u> 45 (----) 0	Minitron Arc Detection (MARC) 0 (---- 5	<u>RST Weighted Inelastic Ratio (TDT-like) (WINR_TDTL)</u> 0.4 (----) 0
<u>RST Far Effective Capture CR (RSCF_RST)</u> 45 (----) 0		<u>Tot Sel CR Near (TSCN_FIL)</u> 30000 (CPS) 0
<u>RST Borehole Salinity (TDT-like) (BSAL_TDTL)</u> 450 (PPK) -50		<u>Tot Sel CR Far (TSCF_FIL)</u> 12000 (CPS) 0

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	PFCS-A: PSP Flow and caliper Tool	CASED
MATR	Borehole Status	SANDSTONE
AIRB	RST-C: Reservoir Saturation Pro Tool C	No
BHS	RST Air Borehole	CASED
BSALOPT	Borehole Status	Unknown
BSFL	RST Borehole Salinity Option	51
BSFC	RST Borehole Salinity Filter Length	51
BSFC	RST Borehole Salinity Filter Constant	51

DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	CU
RGAI	Near/Far Gain Calibration Ratio	1	
SMBMO	RST Sigma Mode Background Minitron Off	No	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
PSPT-B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
System and Miscellaneous			
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	-0.6	M
PP	Playback Processing	NORMAL	

Format: RST_TDTL_ANSW

Vertical Scale: 1:200

Graphics File Created: 06-Jun-2006 16:20

OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

Input DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_028LUP	FN:32	PRODUCER	05-Jun-2006 21:39	3444.4 M	3102.9 M
Output DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_040PUP	FN:56	PRODUCER	06-Jun-2006 16:20		
ESSO	FCS_RST_ILS_PSP_040PUC	FN:57	CUSTOMER	06-Jun-2006 16:20		

Schlumberger

Baseline Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-6a

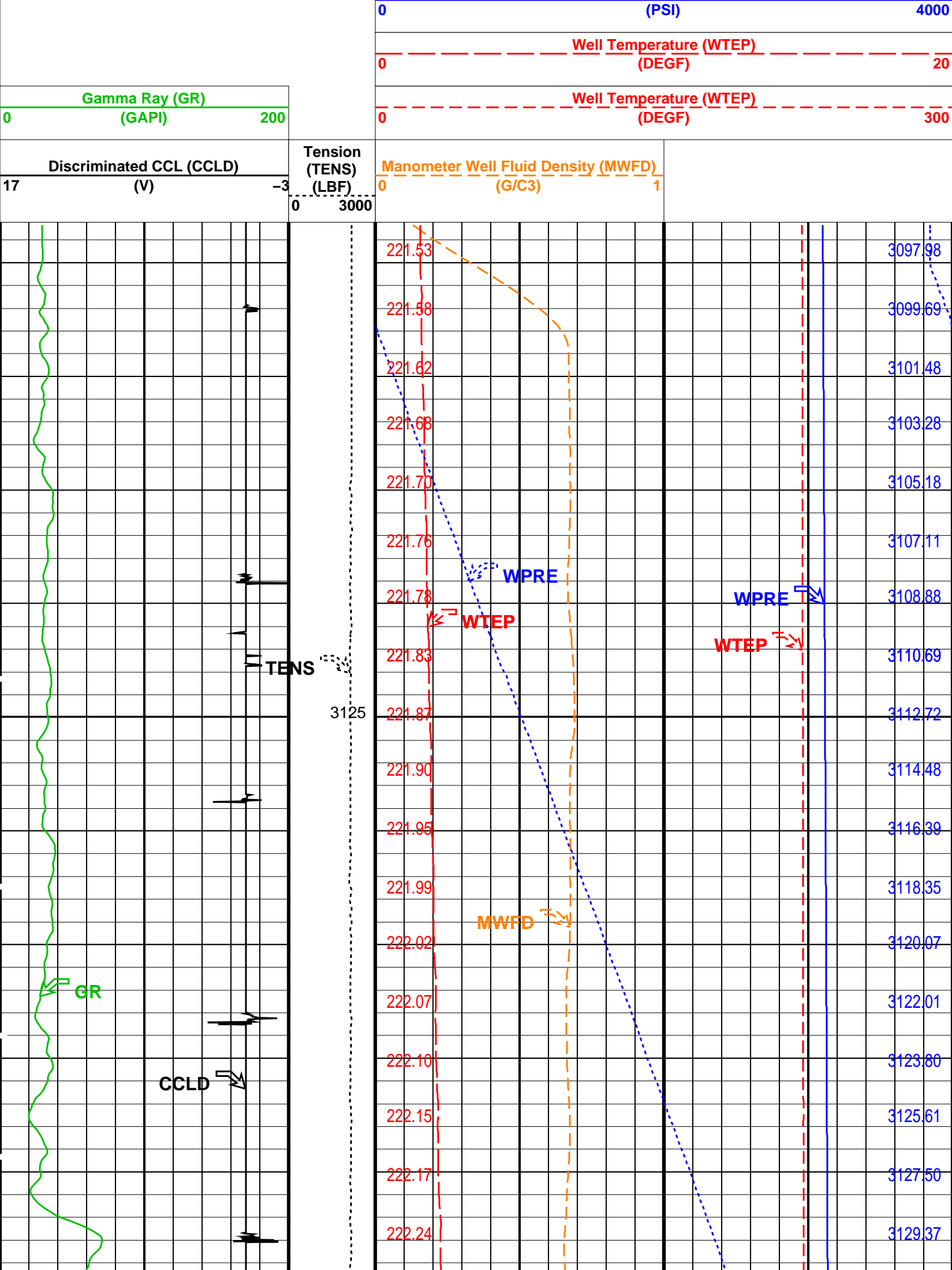
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Output DLIS Files						
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ESSO	FCS_RST_ILS_PSP_020PUC	FN:19	CUSTOMER	05-Jun-2006 22:57	3442.7 M	3103.2 M

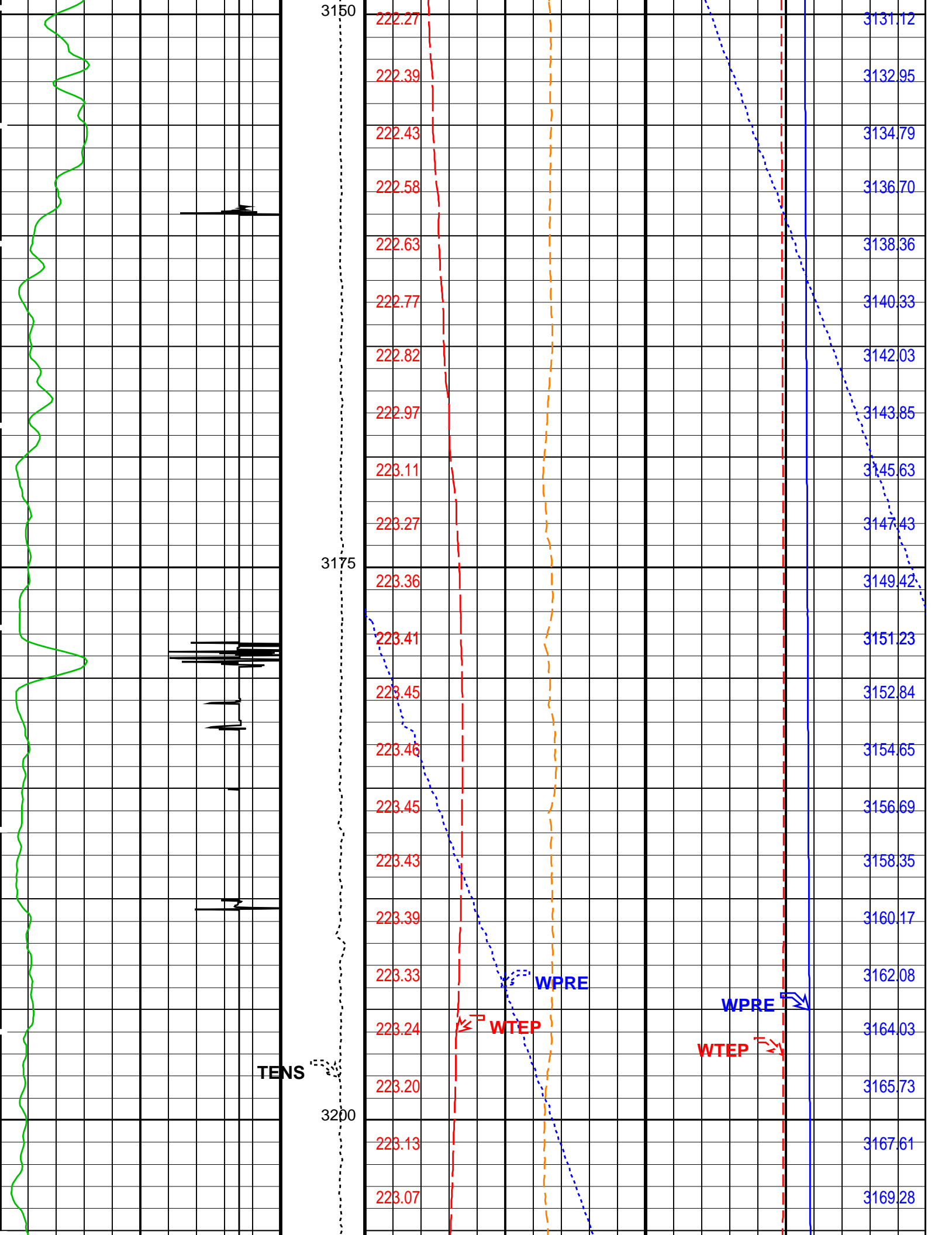
OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

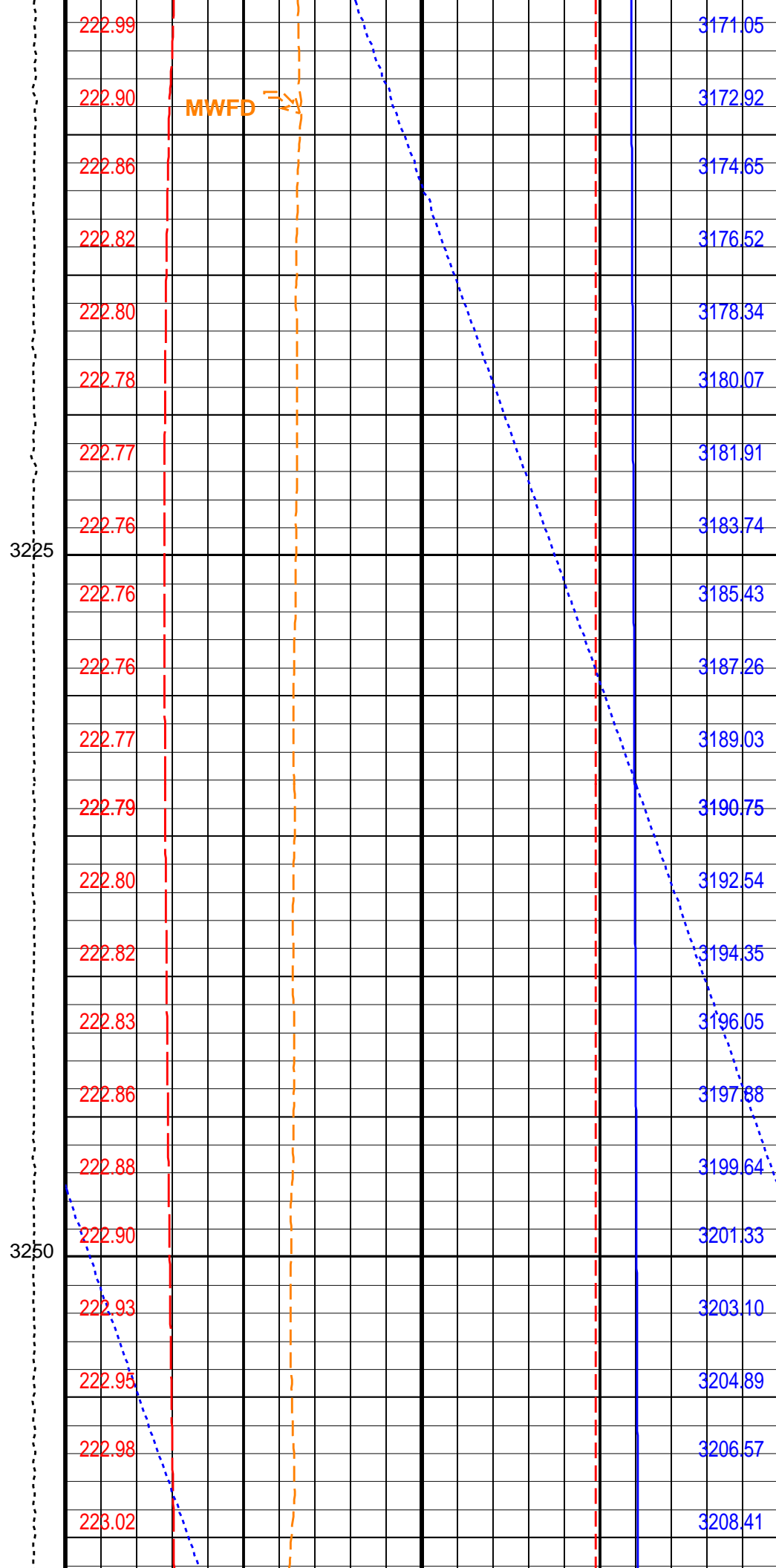
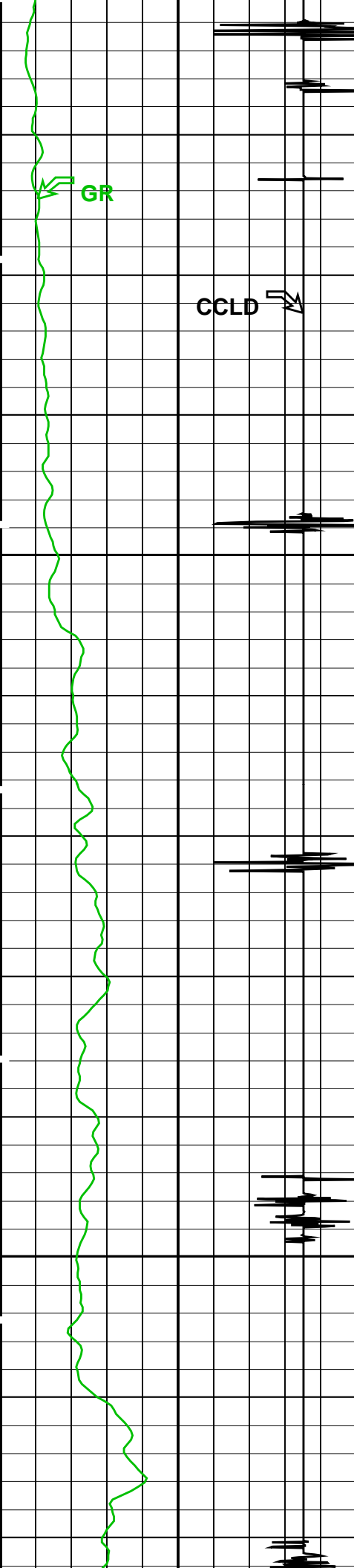
PIP SUMMARY

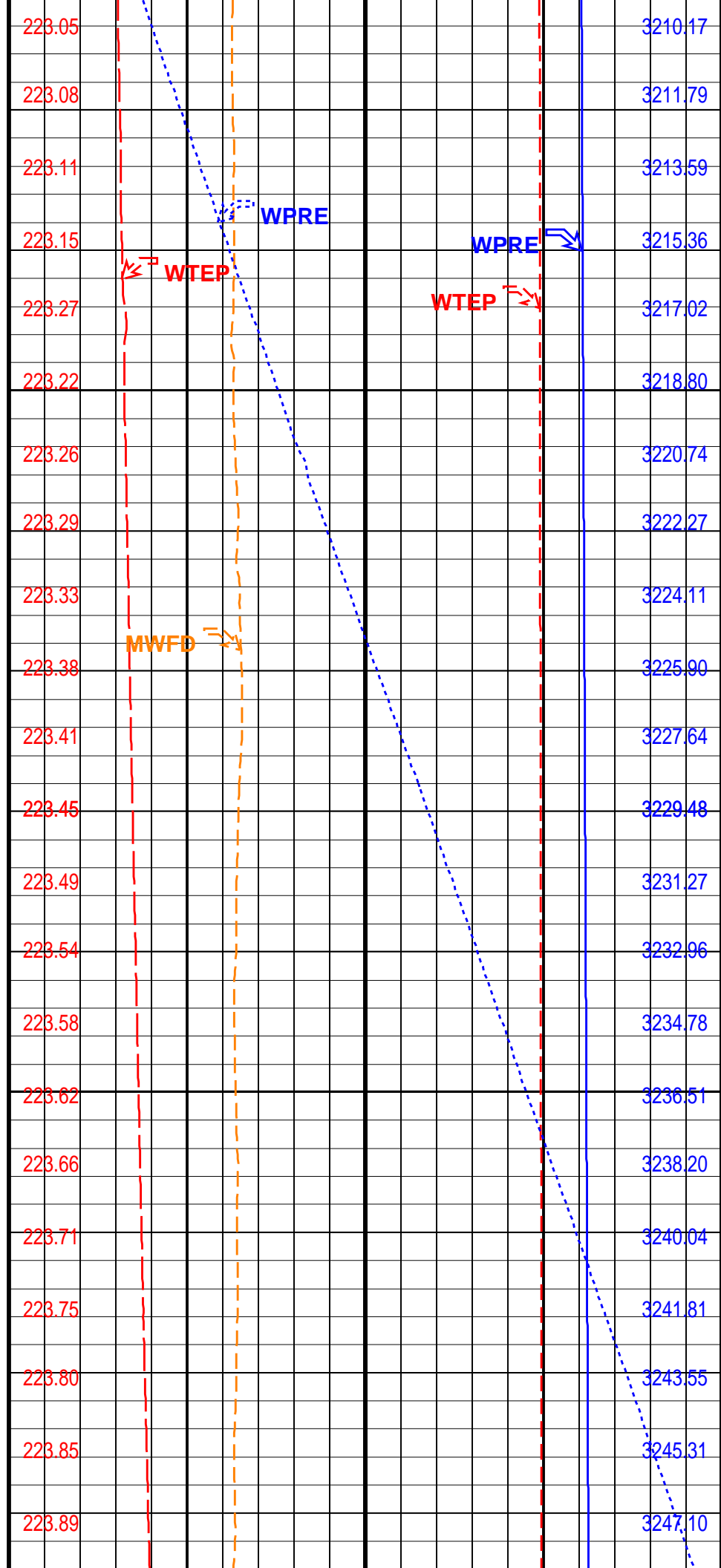
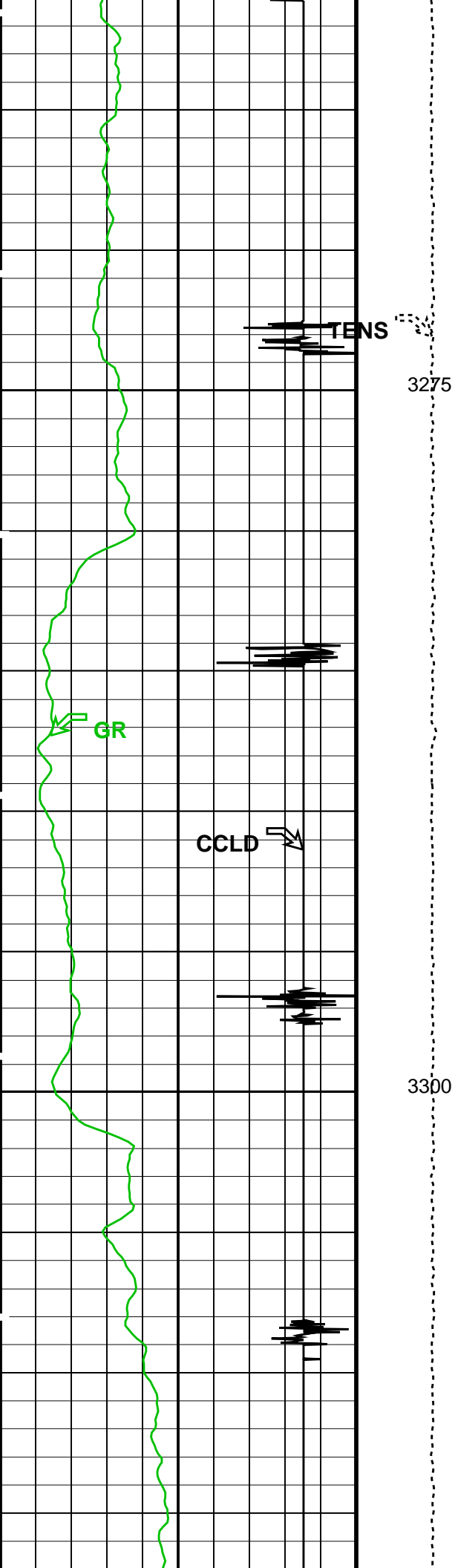
Time Mark Every 60 S

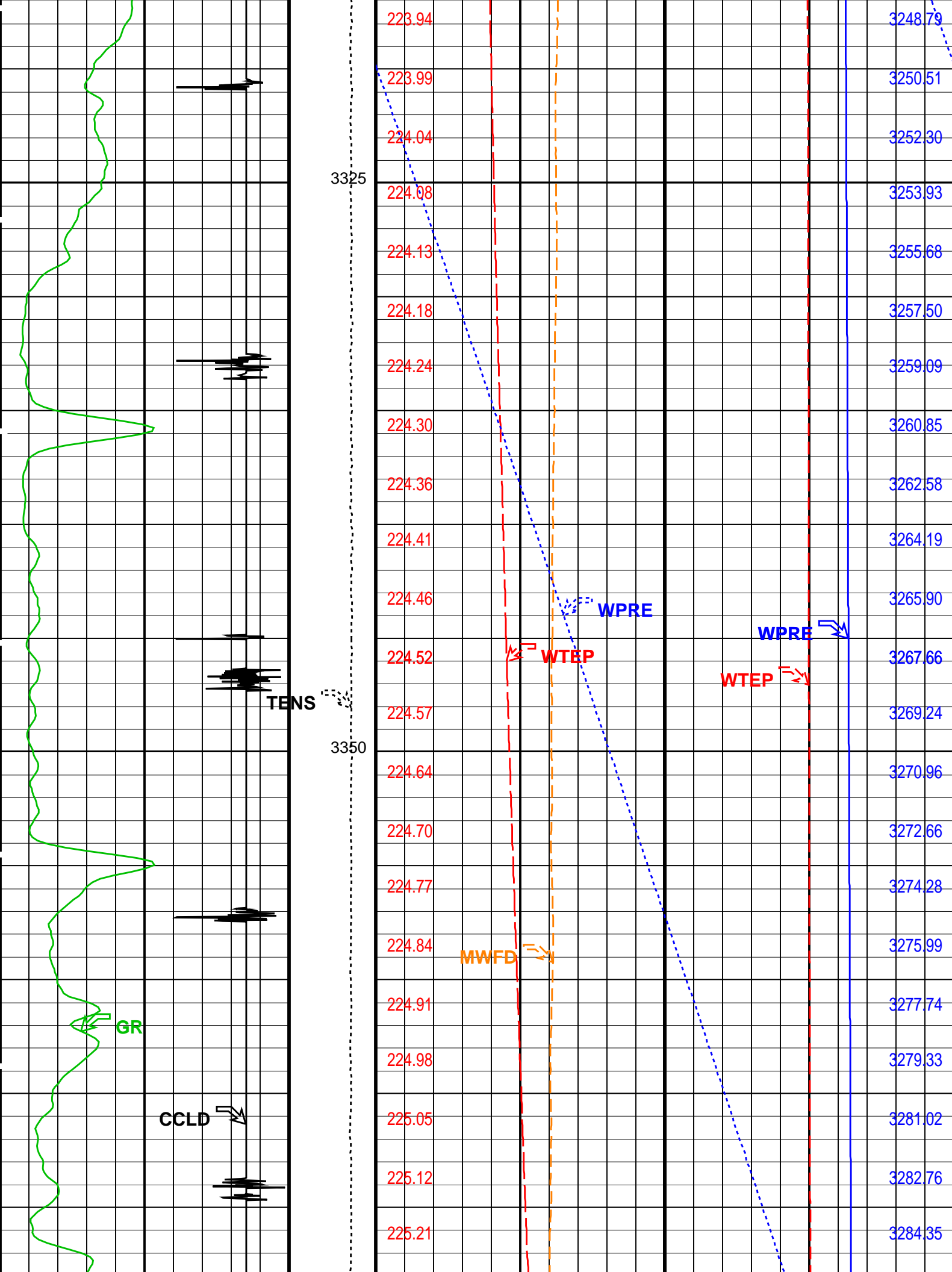


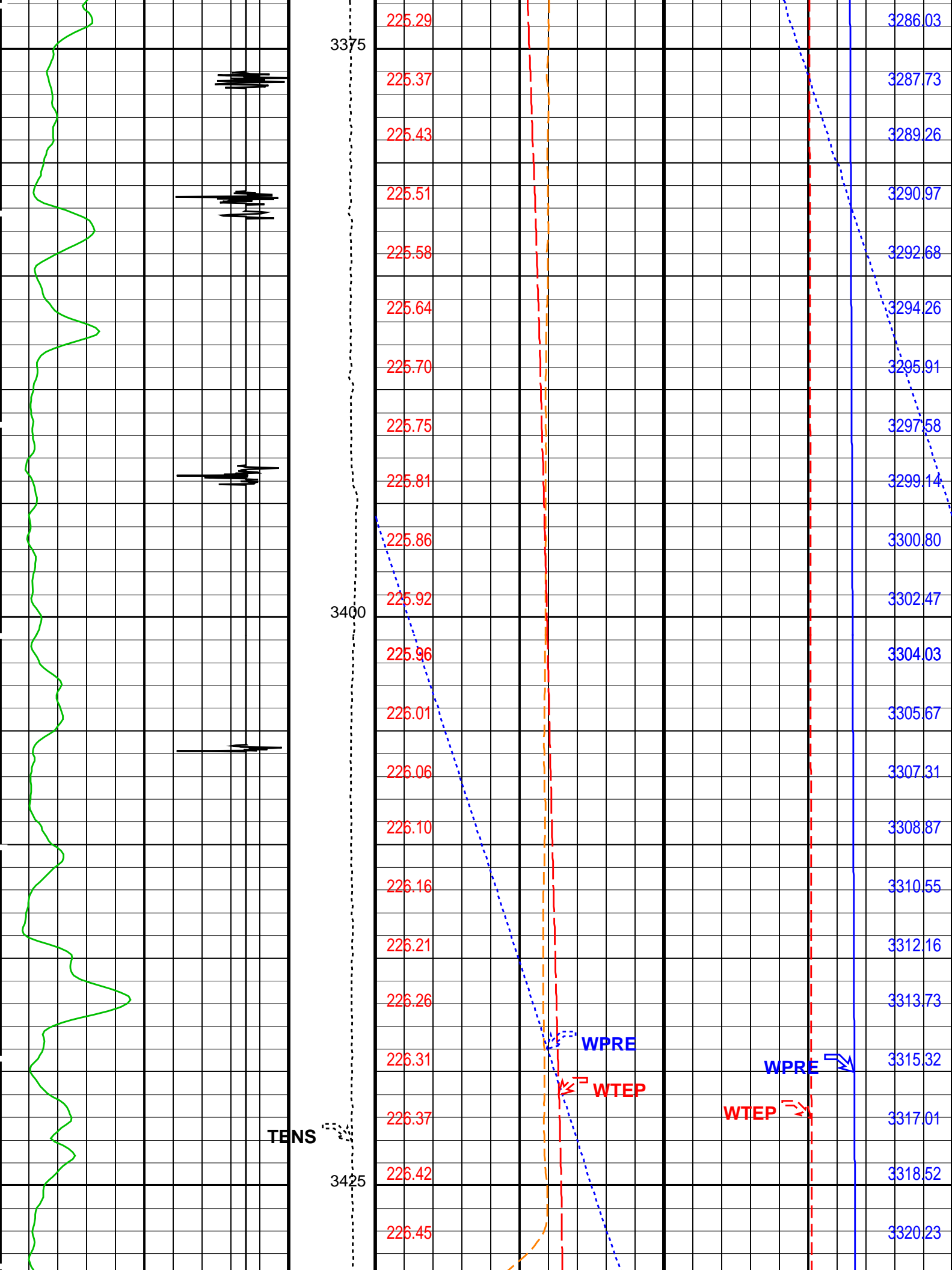


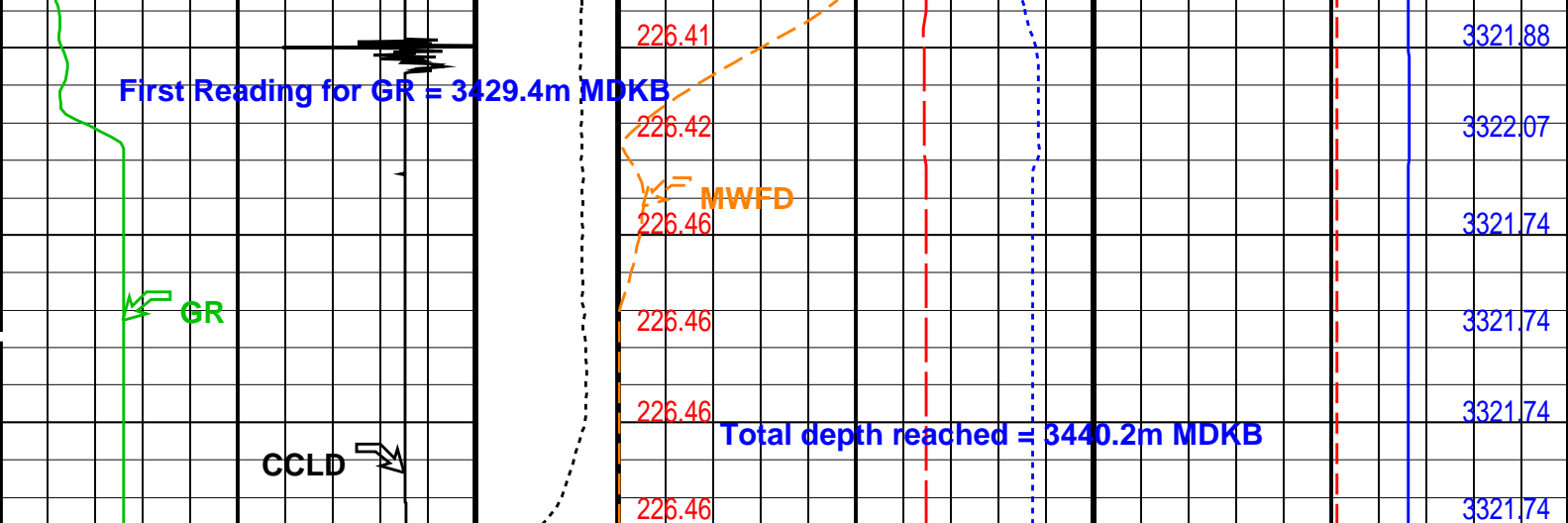












Discriminated CCL (CCLD)		Tension (TENS)	Manometer Well Fluid Density (MWFD)	
17	(V)	(LBF)	0	1
Gamma Ray (GR)			Well Temperature (WTEP)	
0	(GAPI)	200	(DEGF)	
			Well Temperature (WTEP)	
			(DEGF)	
			Well Pressure (WPRE)	
			(PSI)	
			Amplified Well Pressure (WPRE)	
			(PSI)	

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_DL Vertical Scale: 1:200 Graphics File Created: 05-Jun-2006 22:57

OP System Version: 14C0-302			
MCM			
PFCS-A	14C0-302	RST-C	14C0-302
PILS-A	14C0-302	PSPT-B	14C0-302

Parameters		
DLIS Name	Description	Value
GDEV	PFCS-A: PSP Flow and caliper Tool	
	Average Angular Deviation of Borehole from Normal	40 DEG
GDEV	RST-C: Reservoir Saturation Pro Tool C	
	Average Angular Deviation of Borehole from Normal	40 DEG
GDEV	PSPT-B: Production Services Logging Platform	
	Average Angular Deviation of Borehole from Normal	40 DEG
DO	System and Miscellaneous	
PP	Depth Offset for Playback	5.1 M
	Playback Processing	NORMAL

Input DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_014LUP	FN:13	PRODUCER	29-May-2006 19:39	3437.7 M	3097.7 M
Output DLIS Files						
DEFAULT	FCS_RST_ILS_PSP_020PUP	FN:18	PRODUCER	05-Jun-2006 22:57		
ESSO	FCS_RST_ILS_PSP_020PUC	FN:19	CUSTOMER	05-Jun-2006 22:57		

MAXIS Field Log

Client: Esso Australia Pty Ltd.

Field: Halibut

Well: A-6a

Run date: 30-May-2006

Tool: PSP

Sub Type: PBMS

Sensor: GR

PBMS Gamma Ray

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

RESISTORS FOR GR SENSOR N.33143,TOOL PBMS-BA0827. SENSOR S/N:

33143

170399

12

7B0B

GR HV Rt		
	Rt**0	Rt**1
Rt**0	+ .147000000000e+04	+ .332000000000e+04

Client: Esso Australia Pty Ltd.

Field: Halibut

Well: A-6a

Run date: 30-May-2006

Tool: PSP

Sub Type: PBMS

Sensor: WellTemp RTD

PBMS RTD Well Thermometer

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

COEFFICIENTS FOR RTD THERMOMETER PBMS-B.827 S/N:

827

081102

16

FDC1

WTemp Coeff

	Tt**0	Tt**1	Tt**2
Tt**0	-.107529771062E+01	-.231562951301E+03	+.125219430906E+03
	Tt**3	Tt**4	Tt**5
Tt**0	-.203814029058E+02	+.126658591475E+01	0.0

Client:	Esso Australia Pty Ltd.	Tool:	PSP
Field:	Halibut	Sub Type:	PBMS
Well:	A-6a	Sensor:	CQG
Run date:	30-May-2006		

PBMS Quartz Gauge type F

Sonde Serial NB	COEFFICIENTS FOR CQG PBMS-B.827 S/N:
Sensor Serial NB	827
Calib Date ddmmyy	081102
Matrix Size	66
Coeff CRC	C46C

Pres Coeff

	Fb**0	Fb**1	Fb**2
Fc**0	+.680111397678E+04	+.120782849813E-01	-.190777031362E-06
Fc**1	-.102658491254E+01	-.122997408660E-04	-.947821859003E-10
Fc**2	+.102857781380E-05	+.451140459628E-10	+.108645338870E-14
Fc**3	+.229474703087E-11	+.267043935603E-15	0.0
Fc**4	0.0	0.0	0.0
Fc**5	0.0	0.0	0.0

	Fb**3	Fb**4	Fb**5
Fc**0	-.728373610617E-10	-.117027996504E-14	-.427650821315E-19
Fc**1	-.574592682574E-15	+.626410561221E-19	0.0
Fc**2	0.0	0.0	0.0
Fc**3	0.0	0.0	0.0
Fc**4	0.0	0.0	0.0
Fc**5	0.0	0.0	0.0

PBMS Quartz Gauge type F

Sonde Serial NB :
Sensor Serial NB 827
Calib Date ddmmyy 081102
Matrix Size 66
Coeff CRC D778

Temp Coeff

	Fc**0	Fc**1	Fc**2
Fb**0	+1.117320330296E+03	-.327291380978E-03	+800273425884E-08
Fb**1	-.596633620850E-02	+1.180306224649E-07	+1.174544544846E-12
Fb**2	-.317763414682E-07	+3.16358144271E-12	+665615503387E-18
Fb**3	-.325475568911E-12	+1.117312053016E-16	0.0
Fb**4	0.0	0.0	0.0
Fb**5	0.0	0.0	0.0

	Fc**3	Fc**4	Fc**5
Fb**0	+1.145389553894E-12	-.240593703427E-16	-.210532380041E-20
Fb**1	-.670929322772E-17	-.768634336894E-21	0.0
Fb**2	0.0	0.0	0.0
Fb**3	0.0	0.0	0.0
Fb**4	0.0	0.0	0.0
Fb**5	0.0	0.0	0.0

PBMS Quartz Gauge type F

Sonde Serial NB :
Sensor Serial NB 827
Calib Date ddmmyy 081102
Matrix Size 16
Coeff CRC 3A10

Clock Freq Coeff

	(Fb'-Fc')**0	(Fb'-Fc')**1	(Fb'-Fc')**2
(Fb'-Fc')**0	+3.10717873229E+05	+2.83304156557E-02	+7.51184977200E-06
	(Fb'-Fc')**3	(Fb'-Fc')**4	(Fb'-Fc')**5
(Fb'-Fc')**0	-.644205958216E-10	-.659839772199E-15	+1.16231809906E-19

PBMS Quartz Gauge type F

Sonde Serial NB :
Sensor Serial NB 827
Calib Date ddmmyy 081102
Matrix Size 16
Coeff CRC 0720

Clock Temp Coeff

	(Fb'-Fc')**0	(Fb'-Fc')**1	(Fb'-Fc')**2
(Fb'-Fc')**0	+1.16746443531E+03	-.564375768344E-02	-.272714359911E-07
	(Fb'-Fc')**3	(Fb'-Fc')**4	(Fb'-Fc')**5
(Fb'-Fc')**0	+.321430130517E-12	-.982051921677E-16	+.471244814554E-20

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **A-6a**
Field: **Halibut**
Rig: **Crane / Prod 2**
Country: **Australia**

Press, Temp, & Spinner Survey
Reservoir Saturation Survey
MAXIS Operating System