

<	E	C	E	N	F	T	C	V	C	F	T	E		T	E	S	C	F	E	S	E	T	E
---	---	---	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---

Company: Esso Australia Pty Ltd.

Well: A-22ST1

Field: Bream A

Rig : Prod4 / Crane

Country: Australia

2 1/8" Phased Powerjet
4 1/2" MPBT Plug
Setting Record

Field: Bream A
Location: Gippsland
Well: A-22ST1
Company: Esso Australia Pty Ltd.

LOCATION

Gippsland
Basin
Bass Strait

Elev.: K.B. 32.82 m
G.L. -59.00 m
D.F. 32.82 m

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

State : Victoria

Max. Well Deviation
70 deg

Longitude
147 46'15"E

Latitude
038 30'04"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

From

To

Maximum Recorded Temperatures

Logger On Bottom

Unit Number

Recorded By

Witnessed By

PVT DATA

Oil Density
Water Salinity
Gas Gravity

Bo

Bw

1/Bg

Bubble Point Pressure

Bubble Point Temperature

Solution GOR

Maximum Deviation

CEMENTING DATA

Primary/Squeeze

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

Recorded By

Witnessed By

Run 1

DEPTH SUMMARY LISTING

Date Created: 15-OCT-2008 16:00:40

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-EB	Type:	PSDS/OSDS	Type:	2-32ZT
Serial Number:	6373	Serial Number:	325357	Serial Number:	208196
Calibration Date:	04-JAN-2007	Calibration Date:	20-Sep-2008	Length:	7315 M
Calibrator Serial Number:	9	Calibrator Serial Number:	1174	Conveyance Method: Wireline Rig Type: Offshore_Fixed	
Calibration Cable Type:	2-23ZT	Calibration Gain:	0.94		
Wheel Correction 1:	-2	Calibration Offset:	0.00		
Wheel Correction 2:	-4				

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Solar Composite Log
Reference Log Run Number:	
Reference Log Date:	.

Depth Control Remarks

1. IDW used as primary depth control.
2. Z-chart used as secondary backup
3.
4.
5.
6.

DISCLAIMER

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

OTHER SERVICES1
OS1: None
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 1
Log correlated to ExxonMobil composite supplied with logging program
Maximum well deviation 70 degrees at 3102m MDKB.
Objectives: Perforate the well over the interval 3200.4m to 3205.3m MDKB using a 4.9m 2 1/8" Phased Powerjet gun .
Set a 4.5" Posiset Plug with top of Seal @ 3213.5m MDKB and dump approx 1m of cement on top .
Slick Line HUD: 3218m MDKB (with 2.25" Drift)
Gun # 1
Top Shot @ 3200.4m MDKB Before Gun-- SBHP: 2637.4 psia SBHT: 203.6 degf
CCL to Top Shot = 3.4m After Gun-- SBHP: 2638.5 psia SBHT: 203.7 degf
CCL Stop Depth: 3107 m MDKB

6.81

AH-Roller Stem 1
AH-Roller Stem 1

TOOL BOTTOM

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

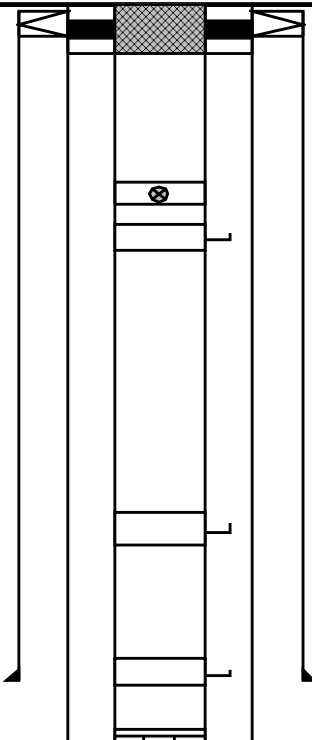
1.90

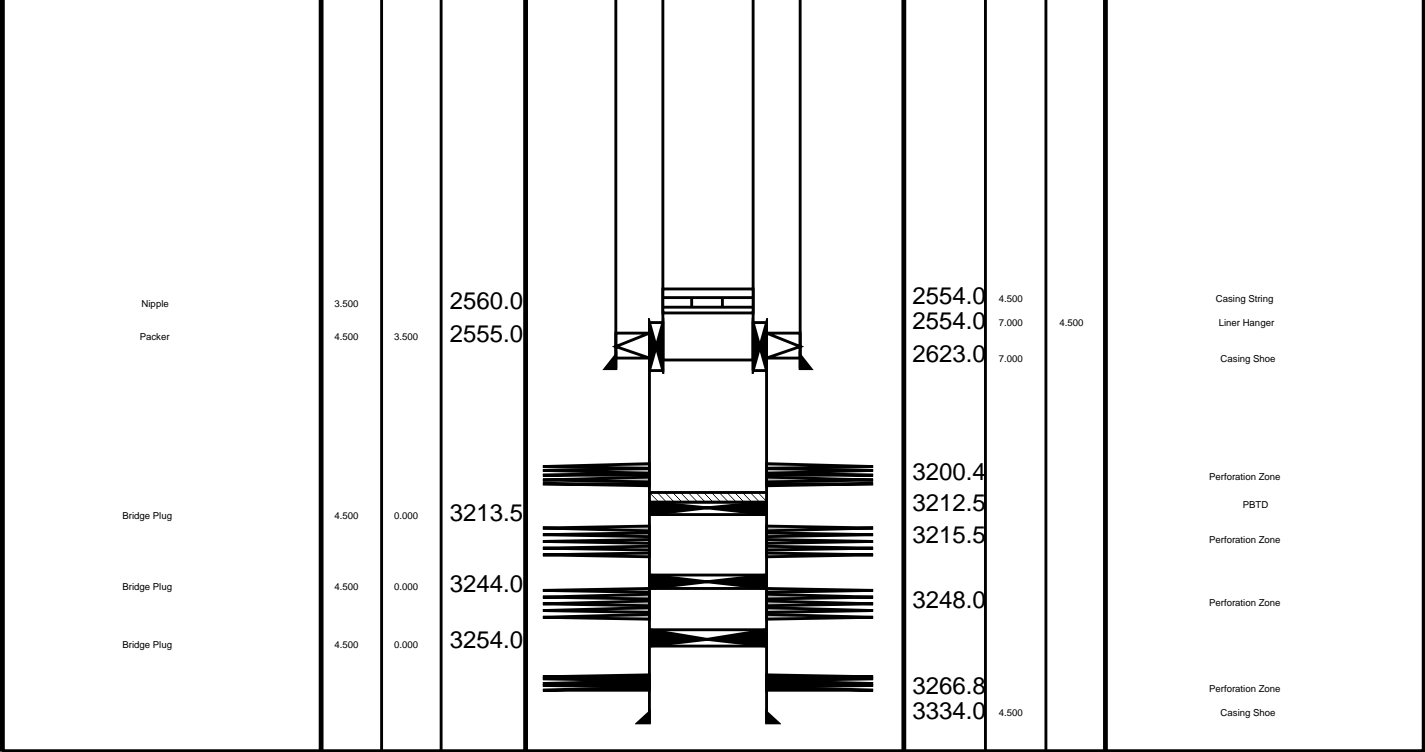
MPEX-4.5" 11 lb/ft Posiset Plug
MPEX-4.5" 11 lb/ft Posiset Plug

3.10

TOOL BOTTOM

MAXIMUM STRING DIAMETER 1.71 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String	(in)		(m) MD	Well Schematic	(m)		(in)	Casing String
	OD	ID			MD	OD		
Tubing	3.500		11.0		12.8	12.000		Casing String
Tubing Hanger	7.000	3.500	9.0		12.8	10.750	7.000	Liner Hanger
Shutin Valve	3.500		446.0					
Gas Lift Mandrel	3.500		571.0					
Gas Lift Mandrel	3.500		1128.0					
Gas Lift Mandrel	3.500		1397.0		1346.0	10.750		Casing Shoe
Nipple	3.500		1413.0					



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Log Pass (up)	19-Oct-2008 12:12	000:04	3209.1 - 3168.5	PERFO_048LUP
Log Pass (up)	19-Oct-2008 17:08	000:20	3213.8 - 3162.3	PERFO_060LUP
Station Log	19-Oct-2008 17:10	000:11	3197.0 - 1.7	PERFO_061LTP
Log Pass (up)	19-Oct-2008 19:09	000:22	3225.7 - 2495.1	PERFO_067LUP
Log Pass (up)	19-Oct-2008 21:43	000:05	2620.7 - 2565.3	MPBT_079LUP
Log Pass (up)	19-Oct-2008 22:05	000:06	3186.5 - 3149.3	MPBT_083LUP
Simulated Log	19-Oct-2008 22:22	000:15		MPBT_084LUP
Log Pass (up)	19-Oct-2008 22:38	000:06	3206.8 - 3158.0	MPBT_085LUP
Log Pass (up)	20-Oct-2008 2:12	000:06	3209.4 - 3147.4	PERFO_093LUP
Log Pass (up)	20-Oct-2008 3:47	000:06	3210.9 - 3146.5	PERFO_096LUP

Output DLIS Files

DEFAULT PERFO_096LUP FN:95 PRODUCER 20-Oct-2008 03:47 3210.9 M 3146.5 M

OP System Version: 16C0-147

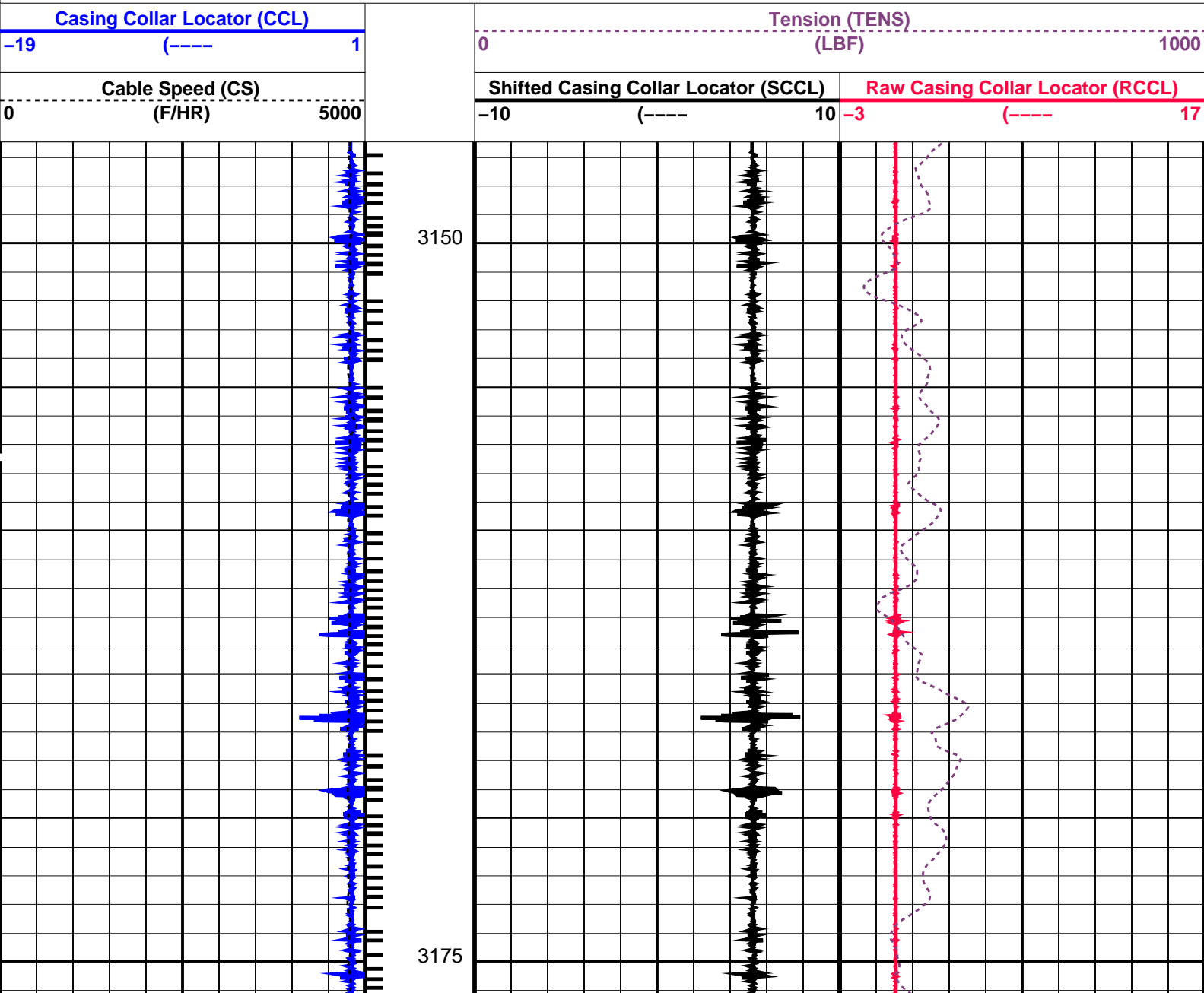
MCM

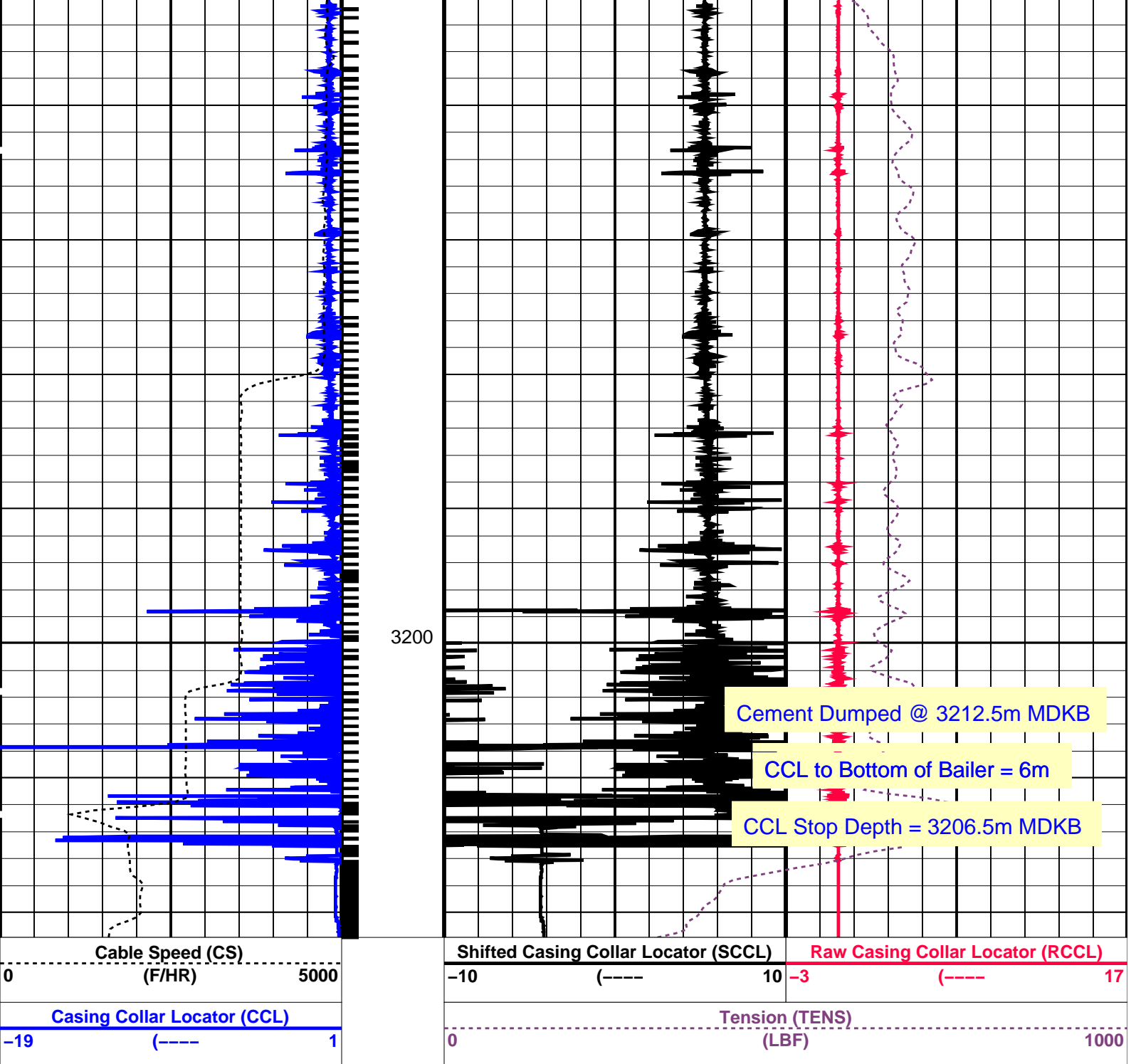
SHM_GUN 16C0-147 CCL-L 16C0-147

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	

Format: PERFO_1 Vertical Scale: 1:200

Graphics File Created: 20-Oct-2008 03:47

OP System Version: 16C0-147
MCM

SHM_GUN 16C0-147 CCL-L 16C0-147

Output DLIS Files



Water Dump Pass

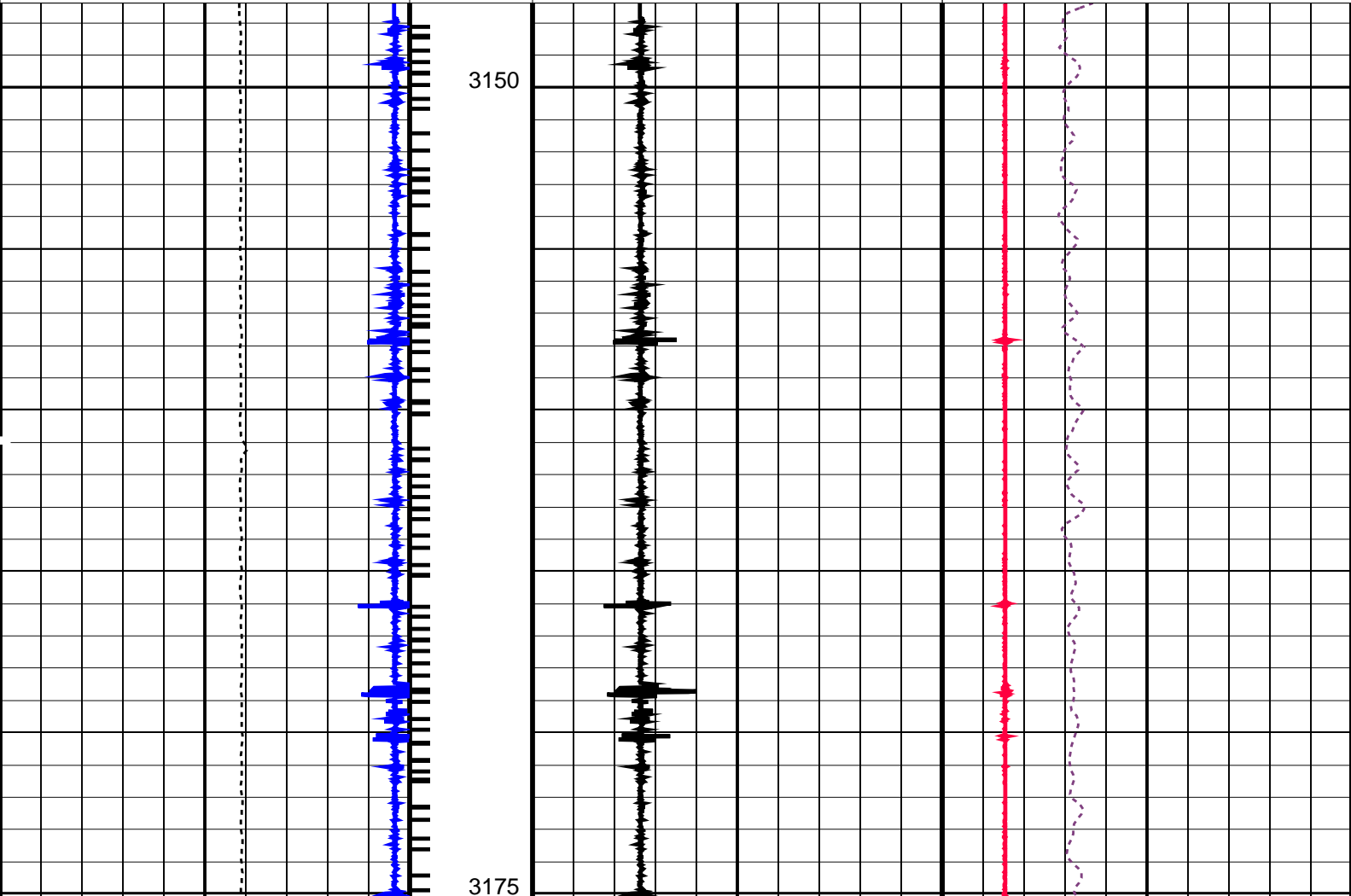
MAXIS Field Log

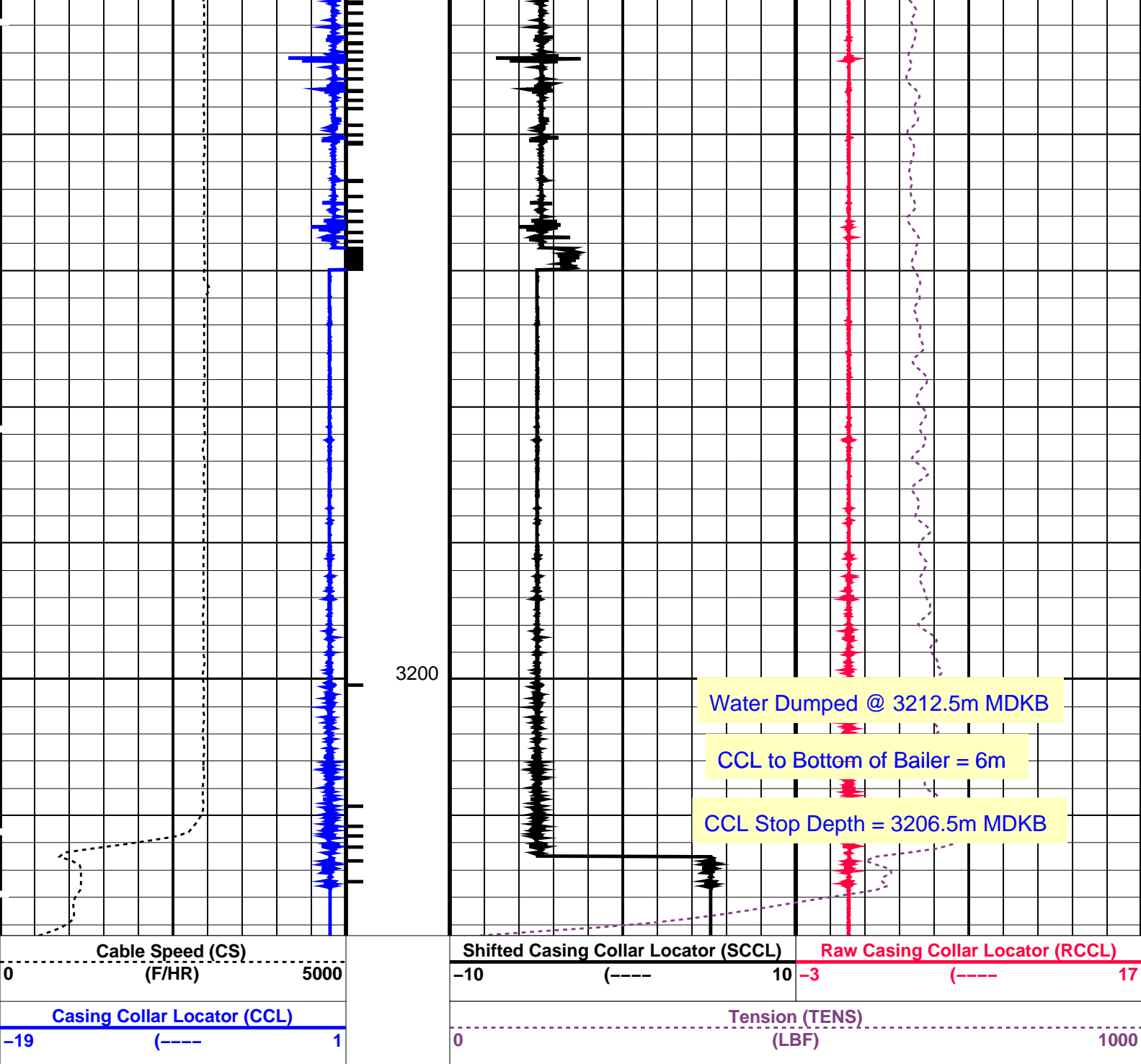
Output DLIS Files						
DEFAULT	PERFO_093LUP	FN:92	PRODUCER	20-Oct-2008 02:12	3209.4 M	3147.4 M

OP System Version: 16C0-147						
MCM						
SHM_GUN	16C0-147	CCL-L	16C0-147			

PIP SUMMARY						
└─ Casing Collars						
■ Time Mark Every 60 S						

Casing Collar Locator (CCL)		Tension (TENS)	
-19	(----) 1	0	(LBF) 1000
Cable Speed (CS)		Shifted Casing Collar Locator (SCCL)	Raw Casing Collar Locator (RCCL)
0	(F/HR) 5000	-10	(----) 17





PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters

DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	

Format: PERFO_1 Vertical Scale: 1:200 Graphics File Created: 20-Oct-2008 02:12

OP System Version: 16C0-147

MCM

SHM_GUN 16C0-147 CCL-L 16C0-147

Output DLIS Files

DEFAULT PERFO_002LUP EN-03 PRODUCER 20-Oct-2008 02:12

Schlumberger

Log Away From Plug Setting

MAXIS Field Log

Output DLIS Files

DEFAULT MPBT_085LUP FN:84 PRODUCER 19-Oct-2008 22:38 3206.8 M 3158.0 M

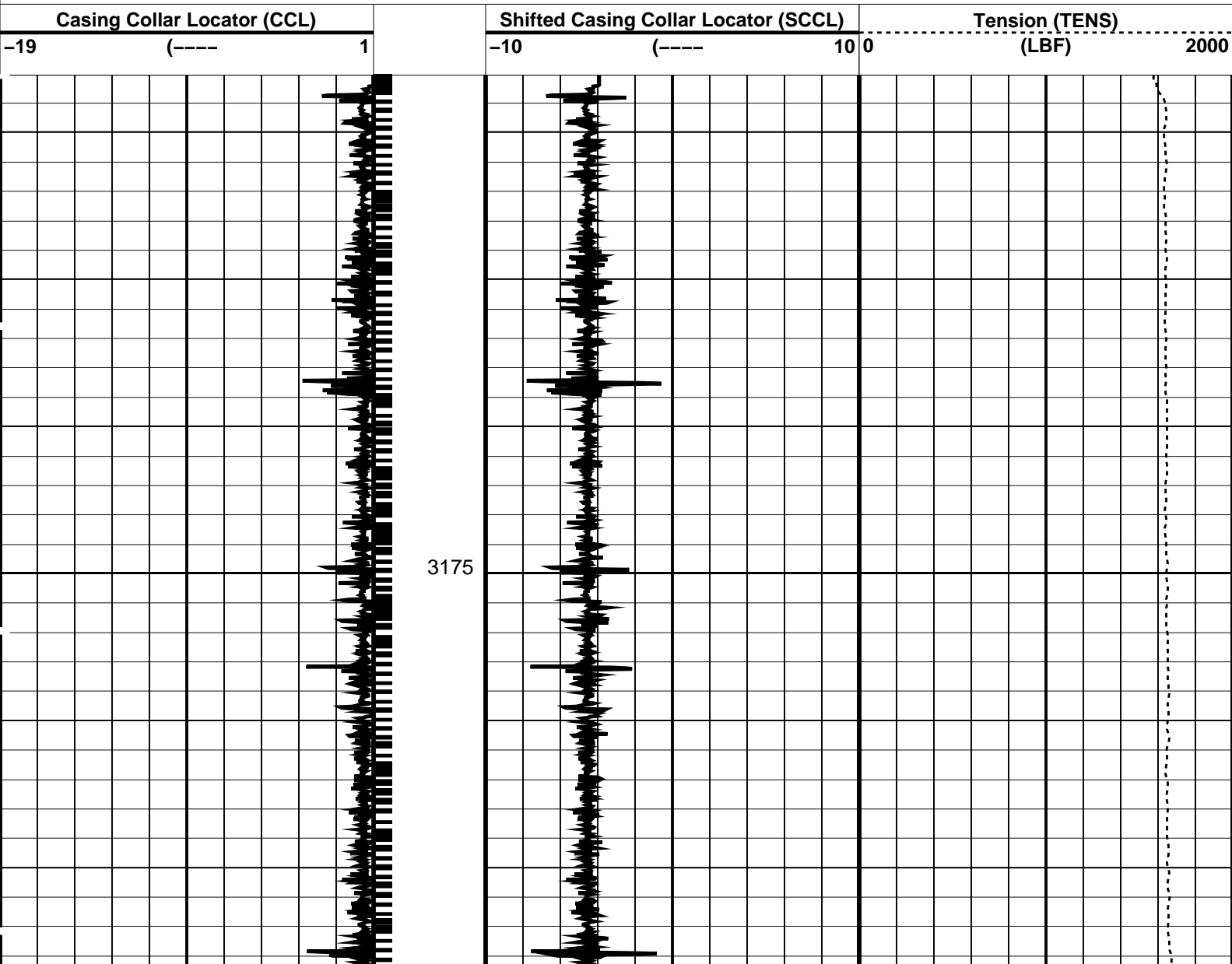
OP System Version: 16C0-147
MCM

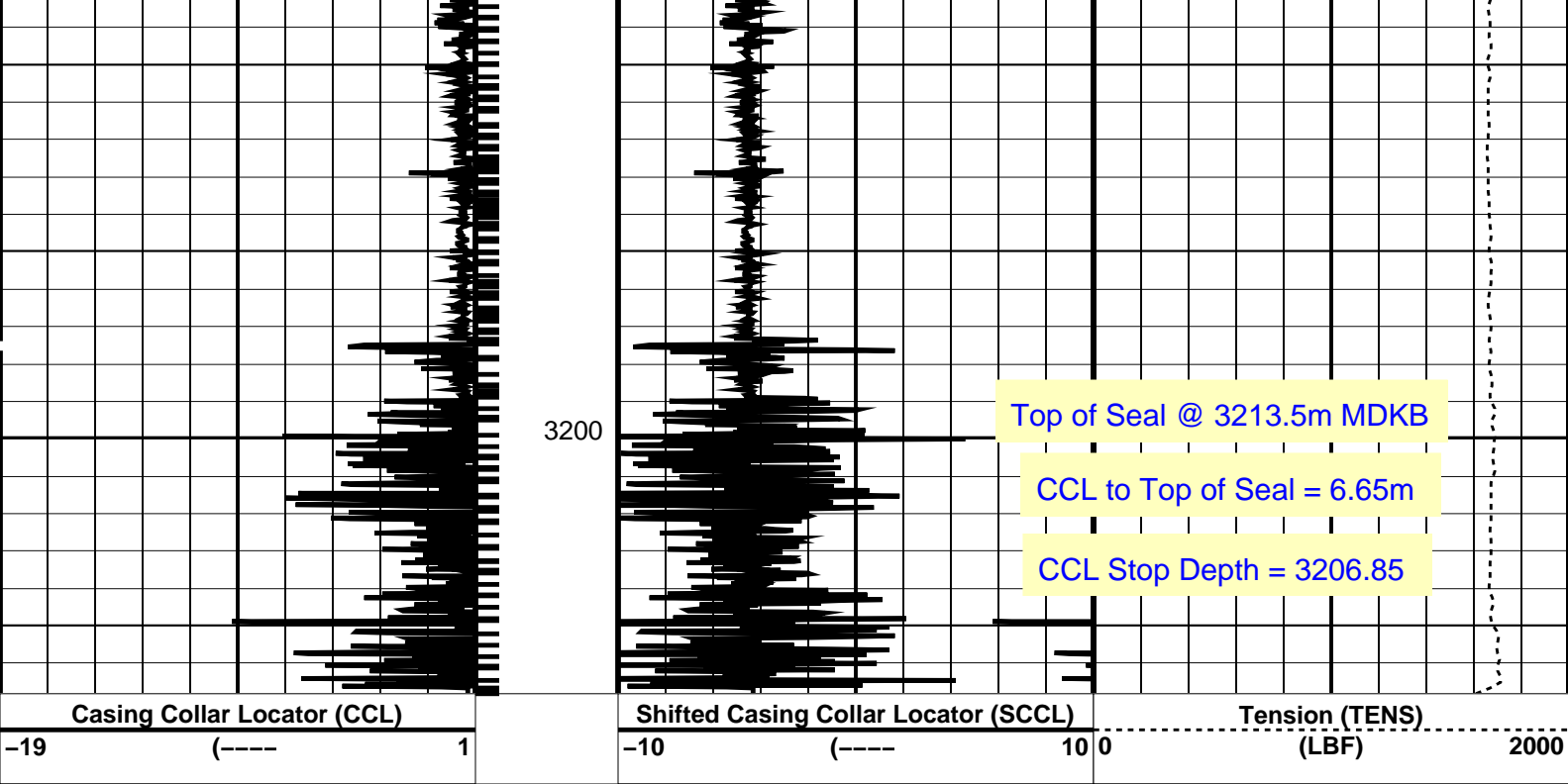
MPEX-4.5" 11 MPSU-BA 16C0-147
CCL-L 16C0-147

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 19-Oct-2008 22:38

OP System Version: 16C0-147			
MCM			
MPEX-4.5"	11	MPSU-BA	16C0-147
CCL-L	16C0-147		

Output DLIS Files			
DEFAULT	MPBT_085LUP	FN:84	PRODUCER 19-Oct-2008 22:38

4.5" Posiset Plug

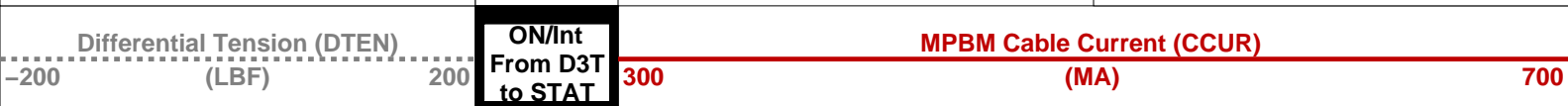
Top of Seal @ 3213.5m MDKB

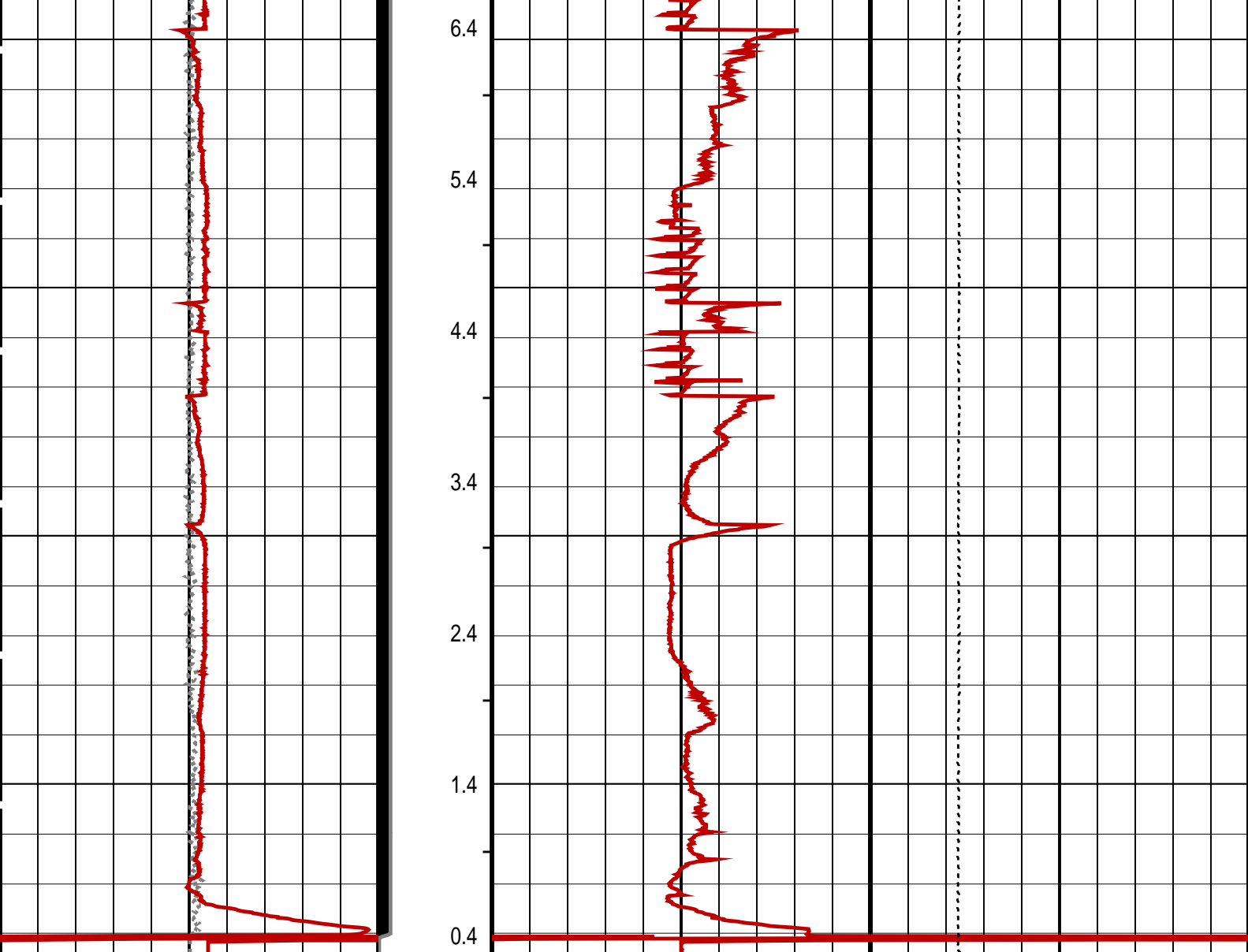
MAXIS Field Log

Output DLIS Files			
DEFAULT	MPBT_084LUP	FN:83	PRODUCER 19-Oct-2008 22:22

OP System Version: 16C0-147			
MCM			

- MPSU Run Time Every 1 MN
- MPSU Run Time Every 10 MN





Differential Tension (DTEN) (LBF)	ON/Int From D3T to STAT	MPBM Cable Current (CCUR) (MA)
-200 200		300 700

MPSU Head Voltage (HV) (V)	MPSU Run Status (STAT)	Tension (TENS) (LBF)
250 350	0 (----10)	2000 0
	RUN Time (RTIM) (MN)	

PIP SUMMARY

↓ MPSU Run Time Every 1 MN
→ MPSU Run Time Every 10 MN

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MPSU-BA: MECHANICAL PLUGBACK SETTING UNIT IPUMP	Intensifier Pump	TRUE

Format: MPBT Vertical Scale: 1:600 Graphics File Created: 19-Oct-2008 22:22

OP System Version: 16C0-147
MCM

MPEX-4.5" CCL-L	11 16C0-147	MPSU-BA	16C0-147
--------------------	----------------	---------	----------

Output DLIS Files

DEFAULT

MPBT_084LUP

FN:83

PRODUCER

19-Oct-2008 22:22

Schlumberger

Plug Correlation Pass

MAXIS Field Log

Output DLIS Files

DEFAULT

MPBT_083LUP

FN:82

PRODUCER

19-Oct-2008 22:05

OP System Version: 16C0-147

MCM

MPEX-4.5"

11

MPSU-BA

16C0-147

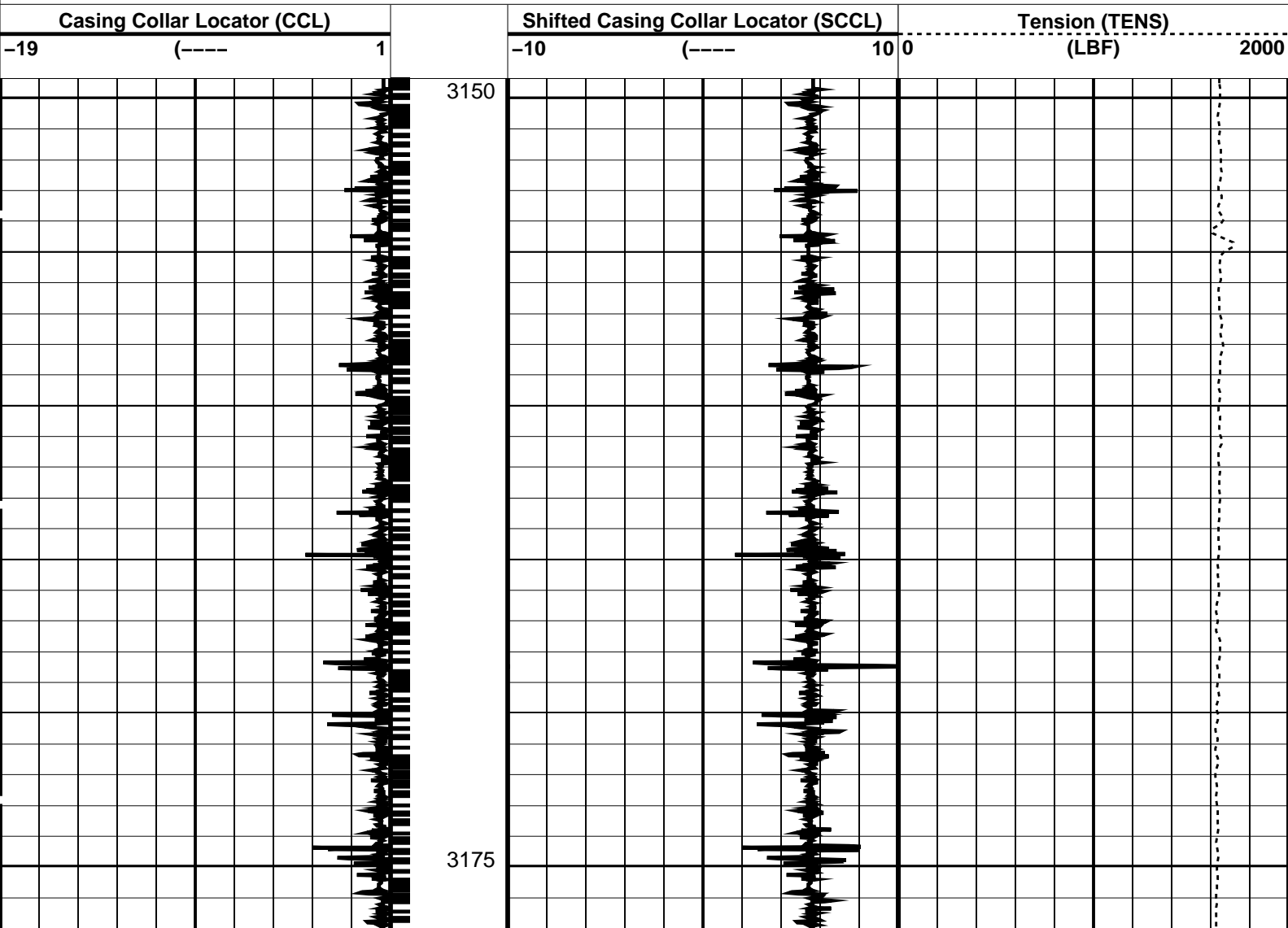
CCL-L

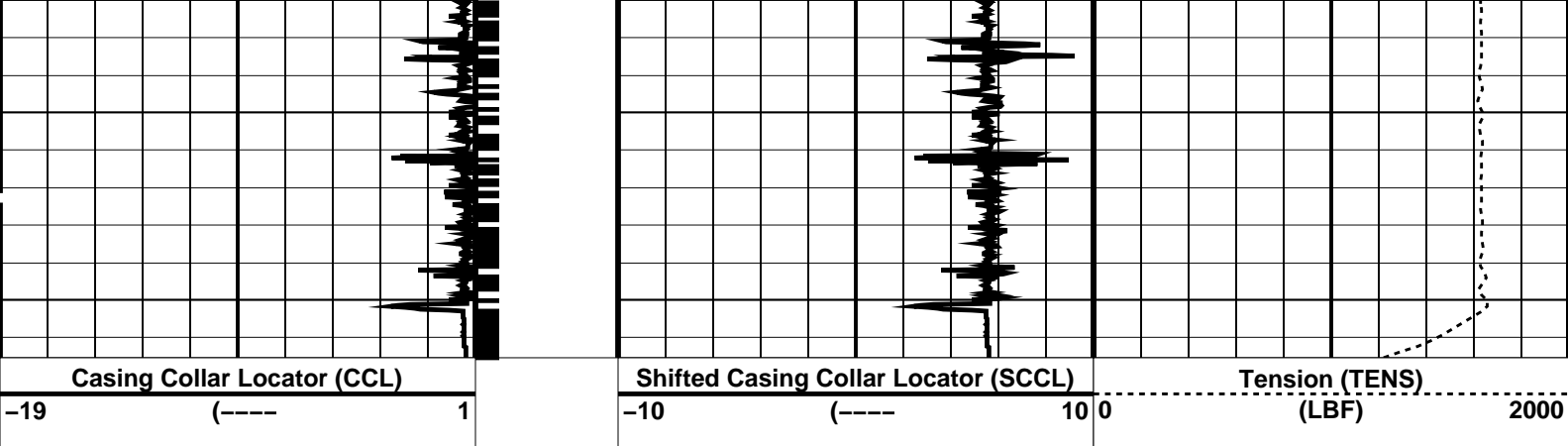
16C0-147

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters		
DLIS Name	Description	Value
CCL-L: Casing Collar Locator		
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	0.3 V

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 19-Oct-2008 22:05

OP System Version: 16C0-147			
MCM			
MPEX-4.5"	11	MPSU-BA	16C0-147
CCL-L	16C0-147		

Output DLIS Files			
DEFAULT	MPBT_083LUP	FN:82	PRODUCER 19-Oct-2008 22:05



Correlate Plug to
3.5" to 4.5" X-Over

MAXIS Field Log

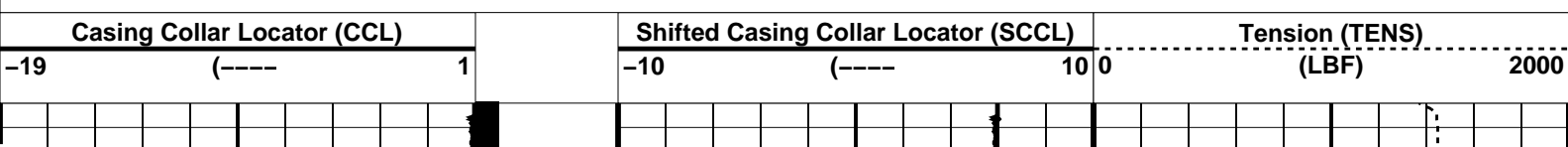
Output DLIS Files			
DEFAULT	MPBT_079LUP	FN:78	PRODUCER 19-Oct-2008 21:43

OP System Version: 16C0-147			
MCM			
MPEX-4.5"	11	MPSU-BA	16C0-147
CCL-L	16C0-147		

PIP SUMMARY

Time Mark Every 60 S

Casing Collars



3.5" to 4.5" X-over

2575

2600

Casing Collar Locator (CCL)

Shifted Casing Collar Locator (SCCL)

Tension (TENS)

-19 (----) 1

-10 (----) 10 0

(LBF) 2000

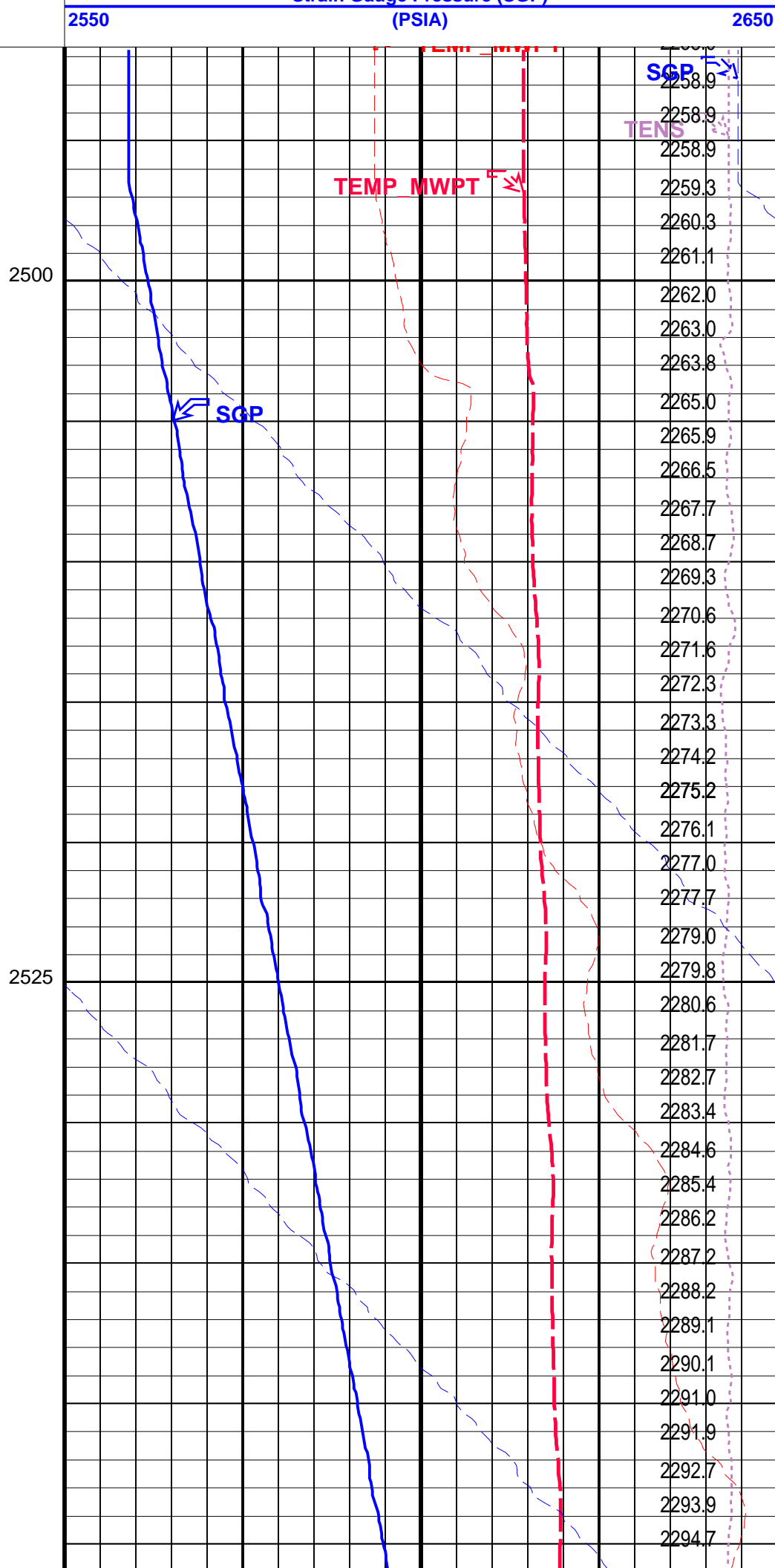
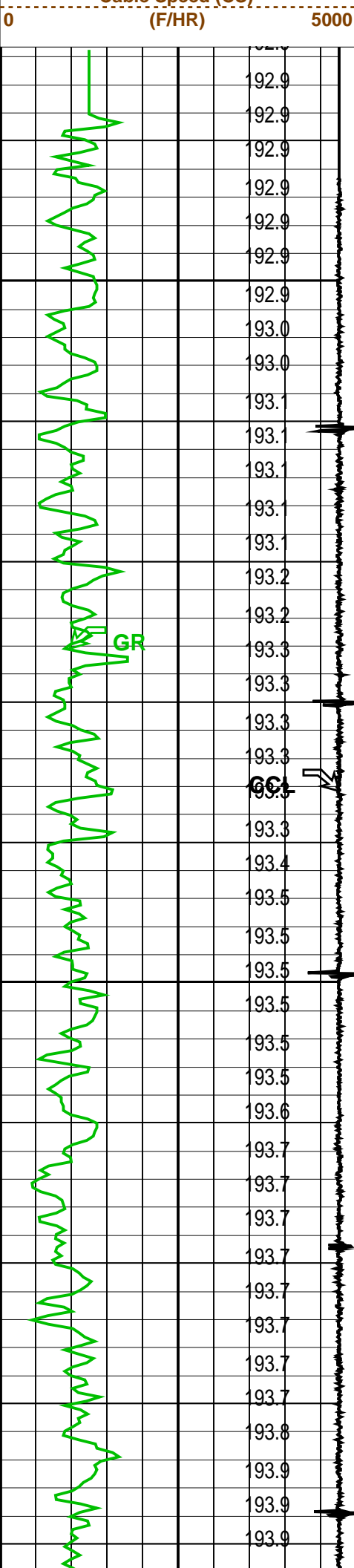
		PIP SUMMARY			
		<div><div></div>Casing Collars</div>			
		<div><div></div>Time Mark Every 60 S</div>			
Parameters					
DLIS Name		Description		Value	
CCLD		CCL-L: Casing Collar Locator		12 IN	
CCLT		CCL reset delay		0.3 V	
		CCL Detection Level			
Format: PERFO		Vertical Scale: 1:200		Graphics File Created: 19-Oct-2008 21:43	
OP System Version: 16C0-147					
MCM					
MPEX-4.5"		11	MPSU-BA		16C0-147
CCL-L		16C0-147			
Output DLIS Files					
DEFAULT		MPBT_079LUP		FN:78	PRODUCER 19-Oct-2008 21:43

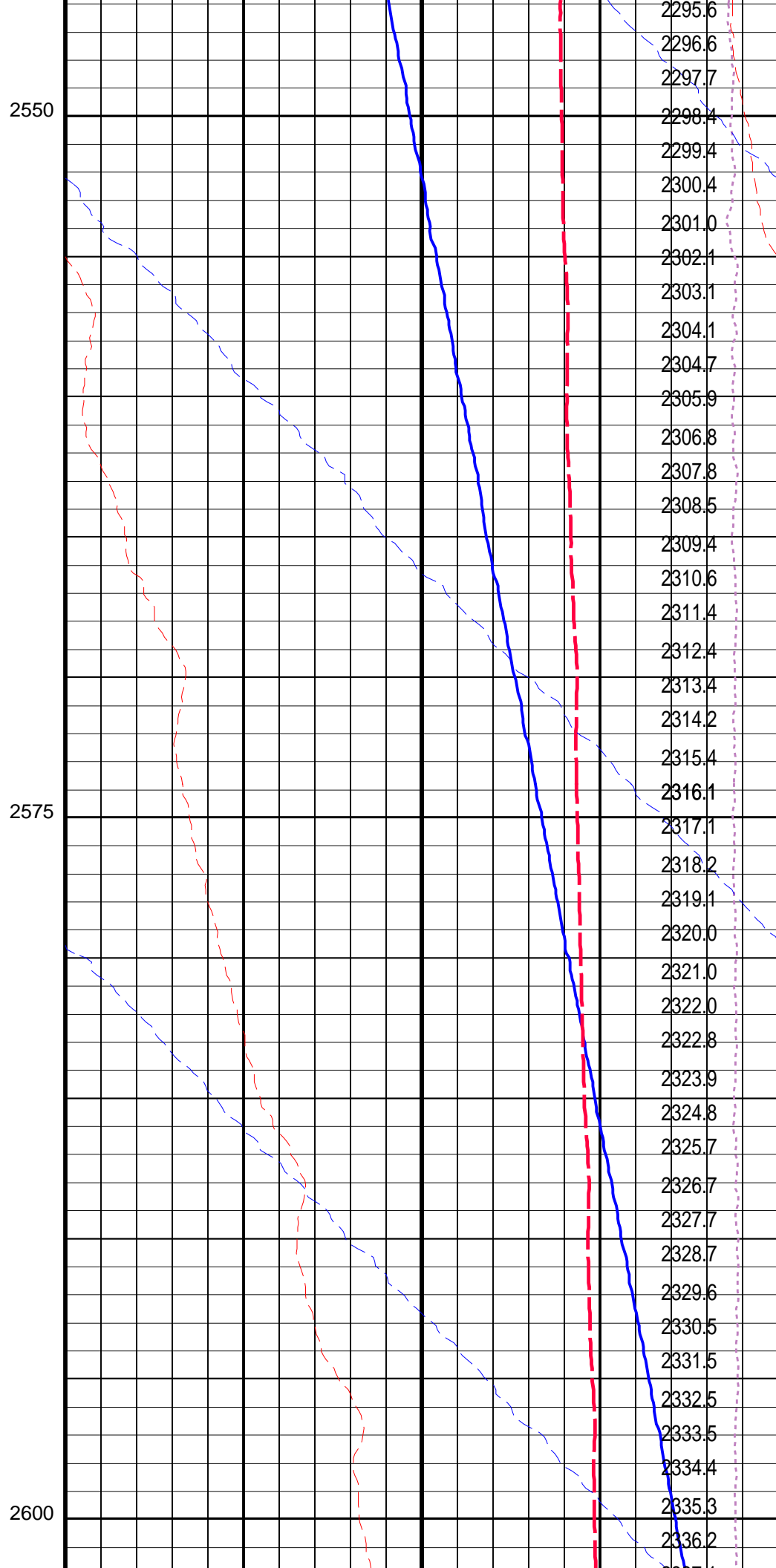
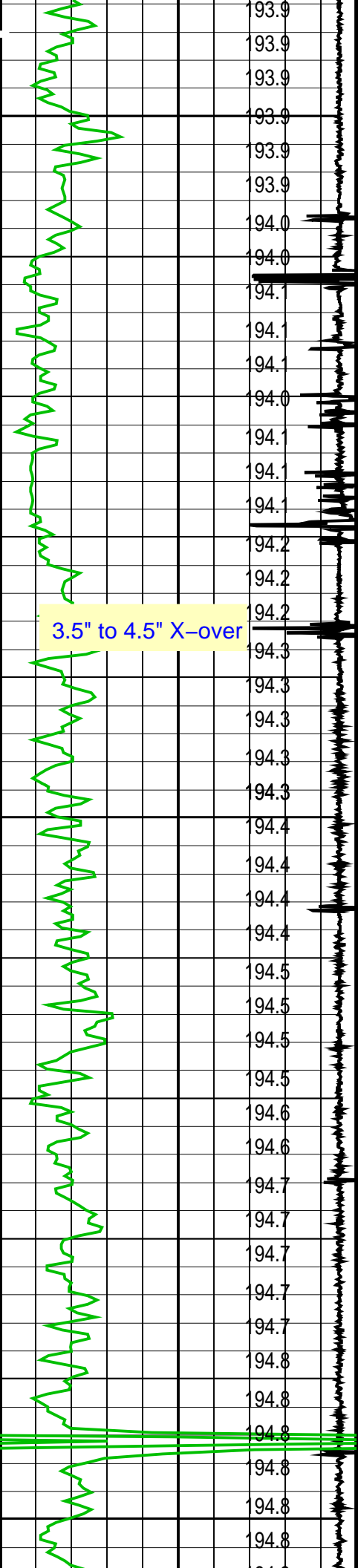
Schlumberger

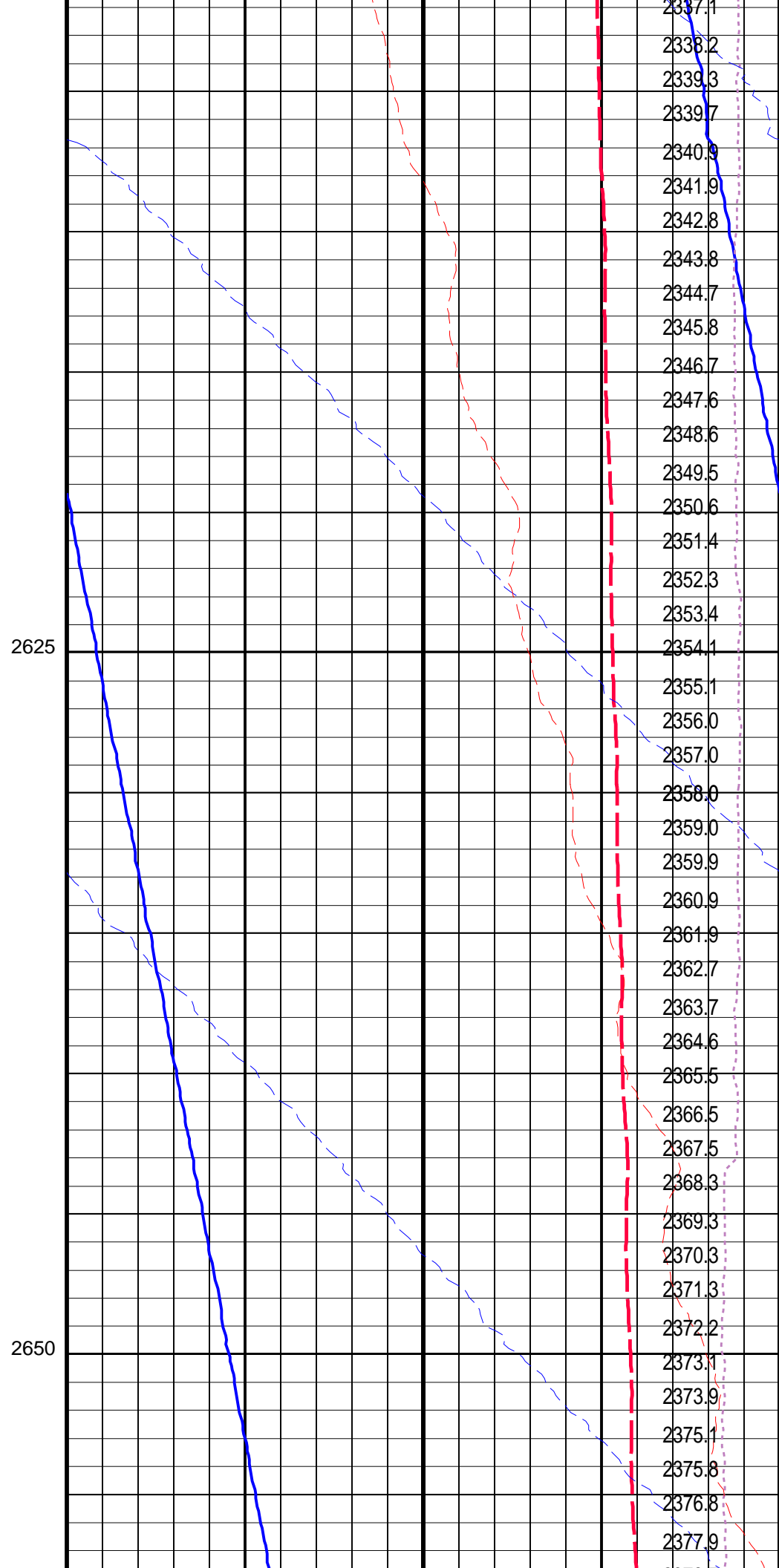
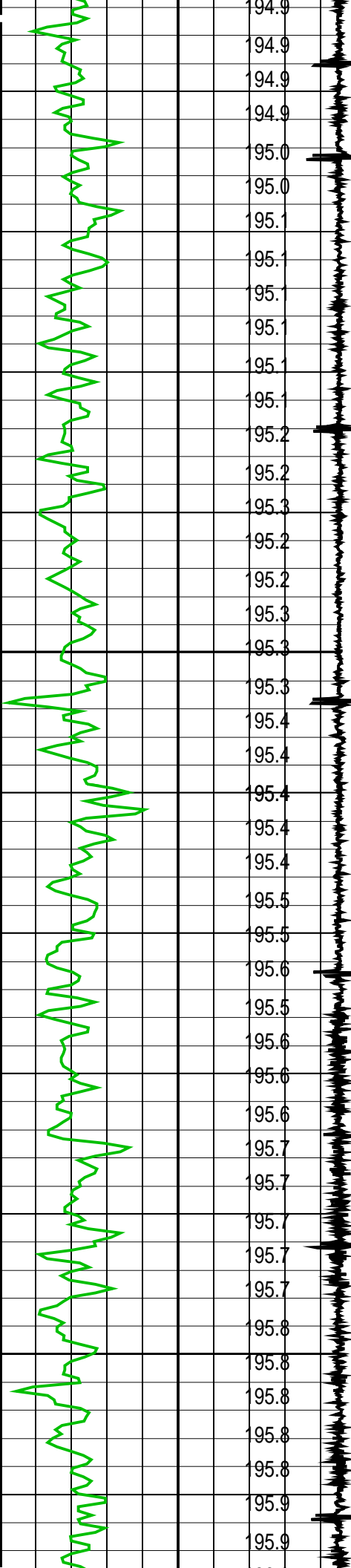
Dummy Plug Pass

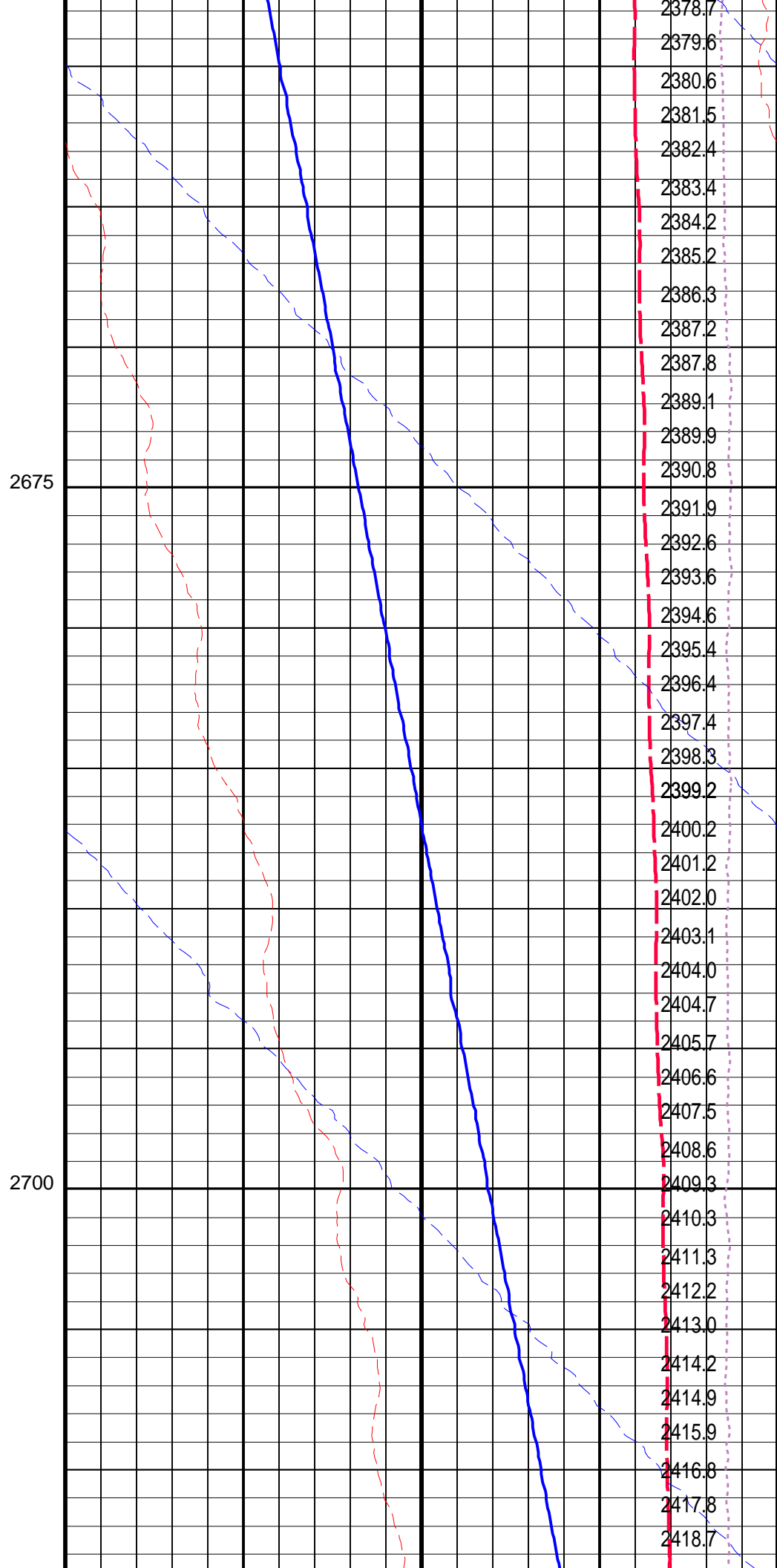
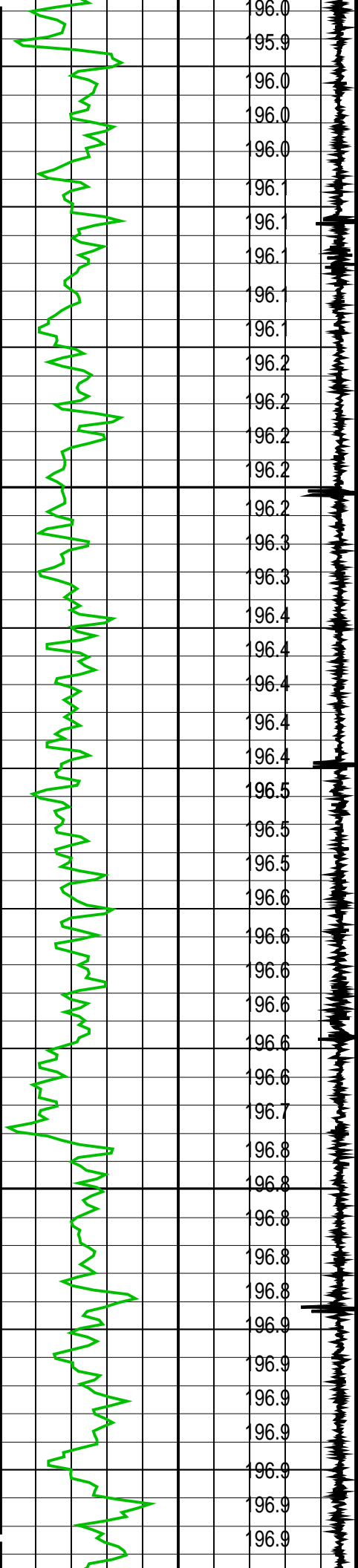
MAXIS Field Log

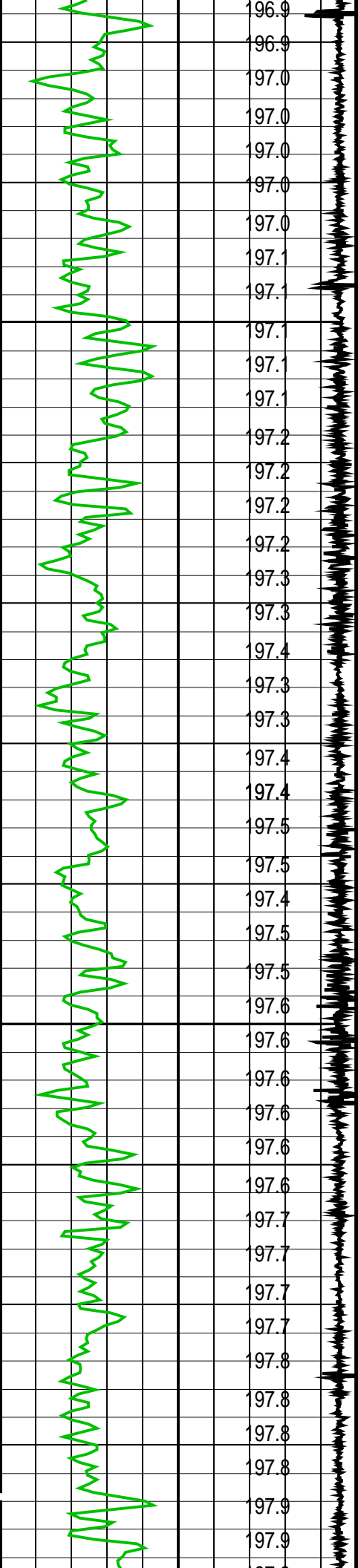
Company: Esso Australia Pty Ltd.				Well: A-22ST1	
Input DLIS Files					
DEFAULT		PERFO_067LUP		FN:66	PRODUCER 19-Oct-2008 19:09 3225.7 M 2495.1 M
Output DLIS Files					
DEFAULT		PERFO_069PUP		FN:68	PRODUCER 19-Oct-2008 19:34 3224.6 M 2491.6 M
OP System Version: 16C0-147					
MCM					
MWPT-CA		16C0-147		MWGT-AA	16C0-147
PIP SUMMARY					
<div><div></div>Time Mark Every 60 S</div>					
				Pressure (SGP) (PSIA)	
				Tension (TENS) (LBF)	
				02000	
				Temperature (TEMP_MWPT) (DEGF)	
				02	
				Strain Gauge Pressure (SGP) (PSIA)	
				020	
				Temperature (TEMP_MWPT) (DEGF)	
				200220	
				Strain Gauge Pressure (SGP)	





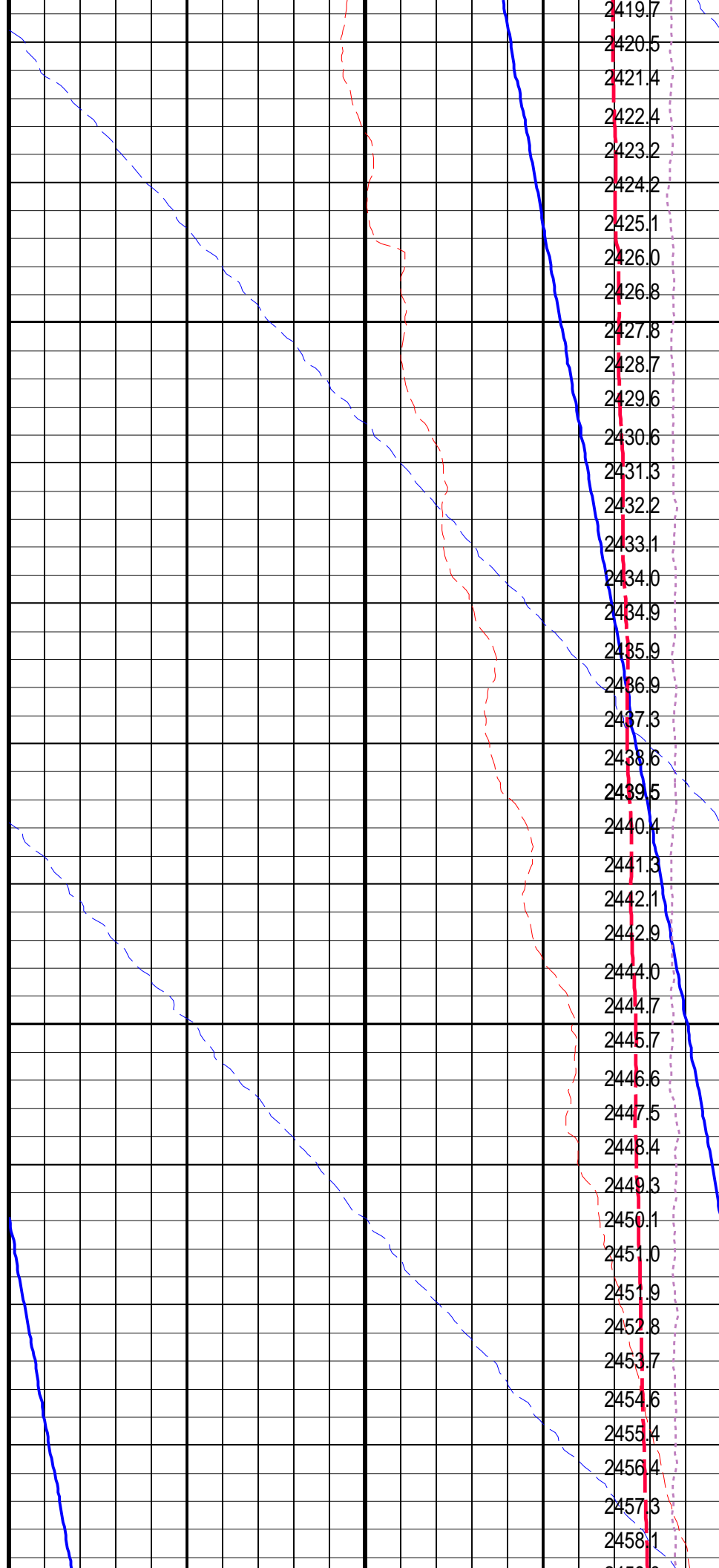


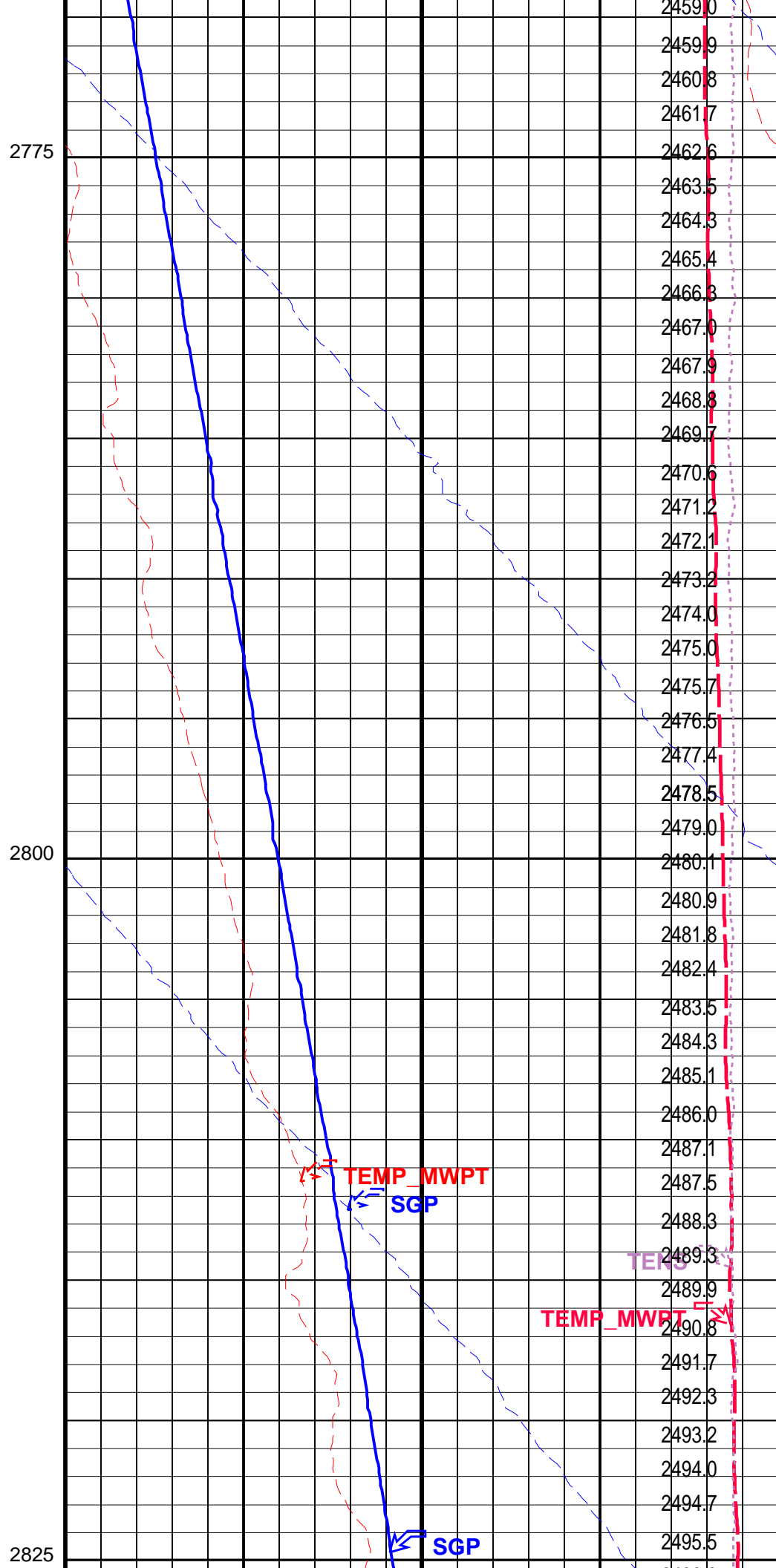
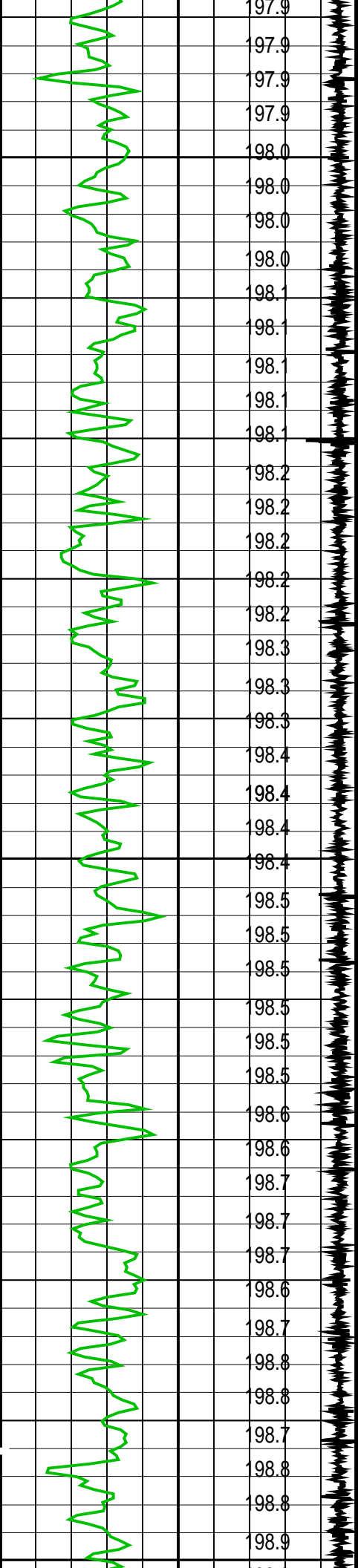


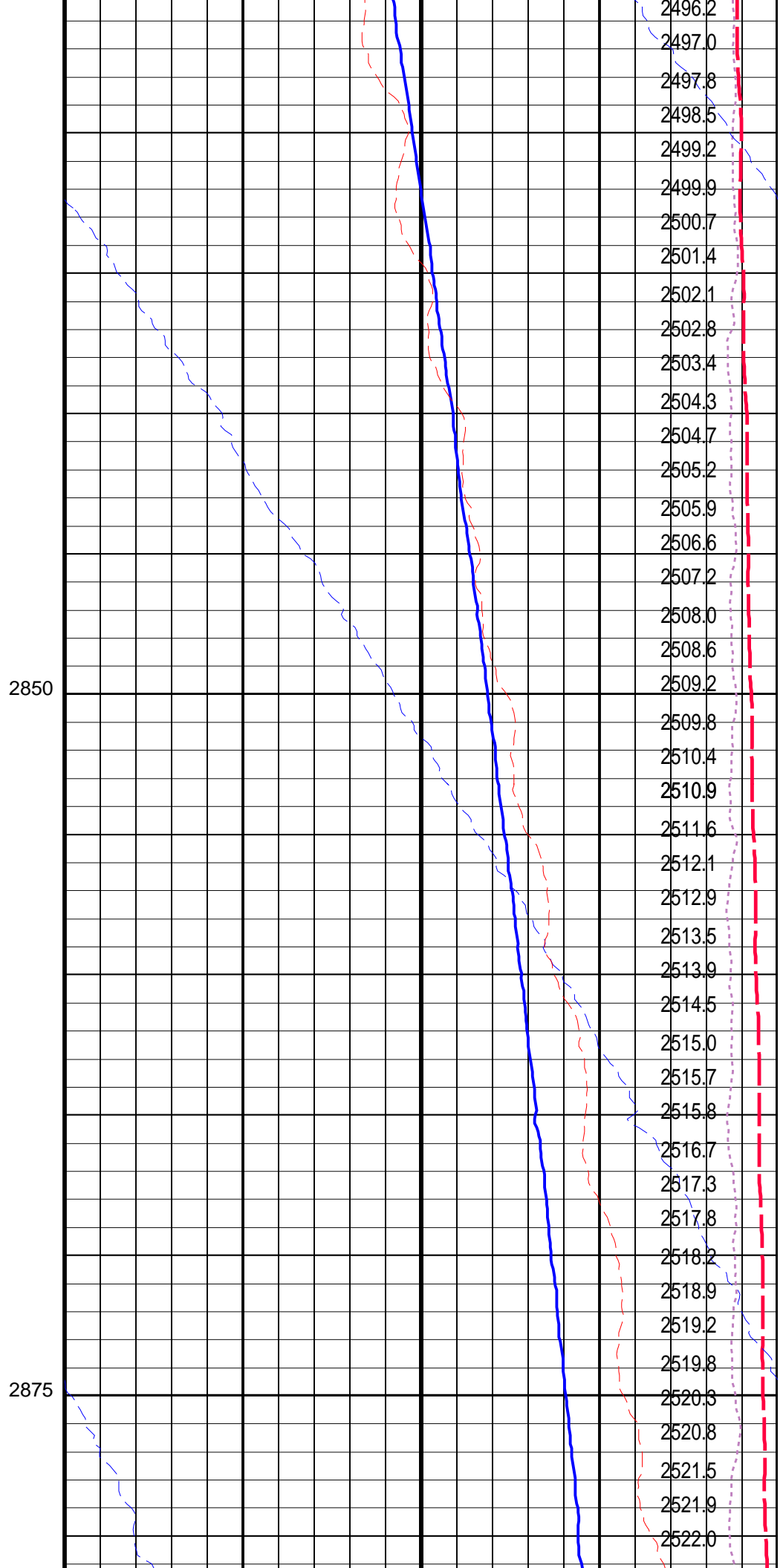
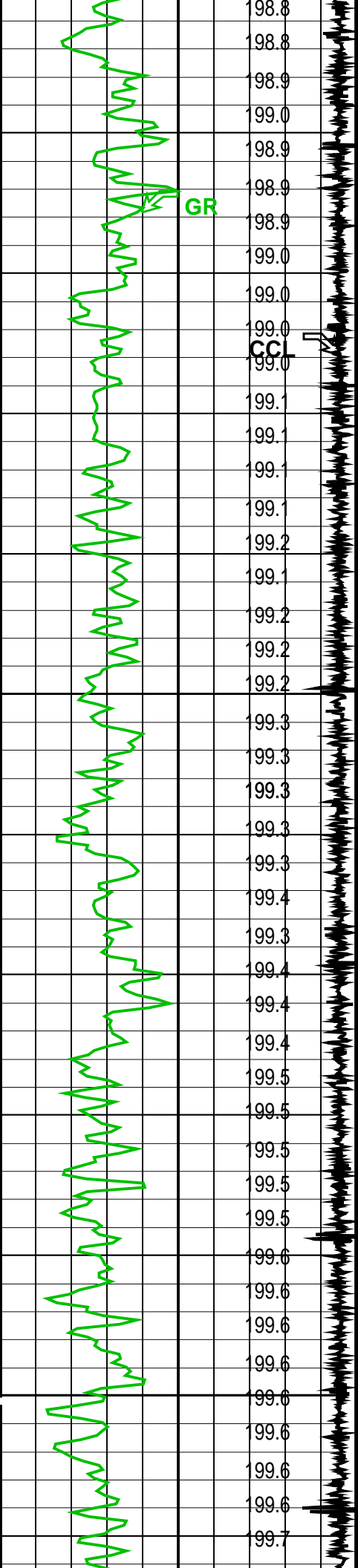


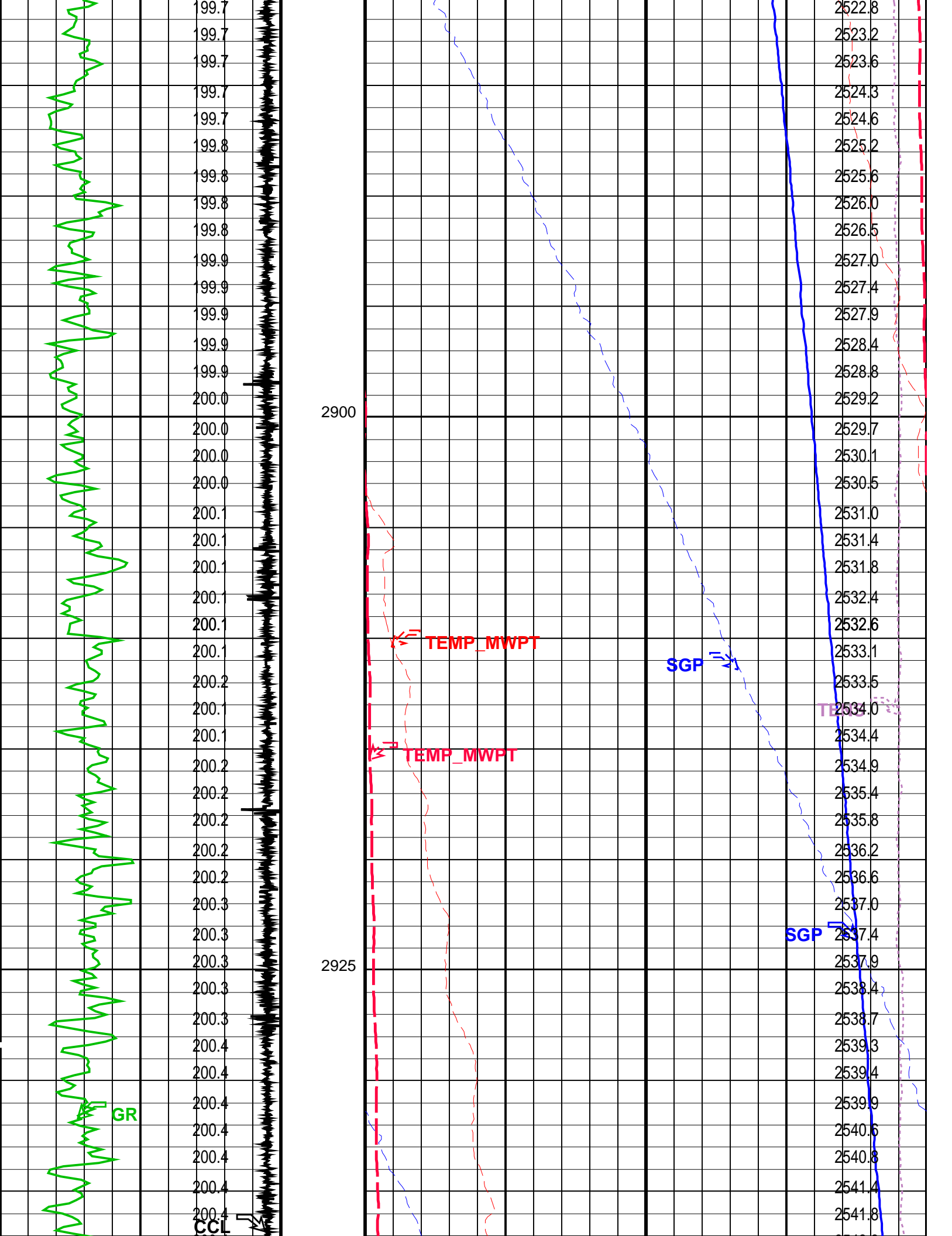
2725

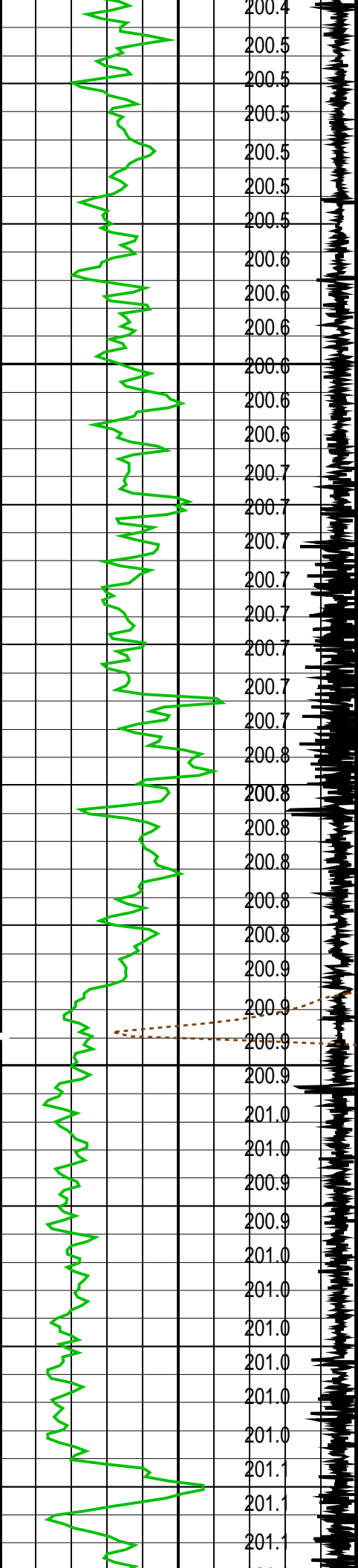
2750





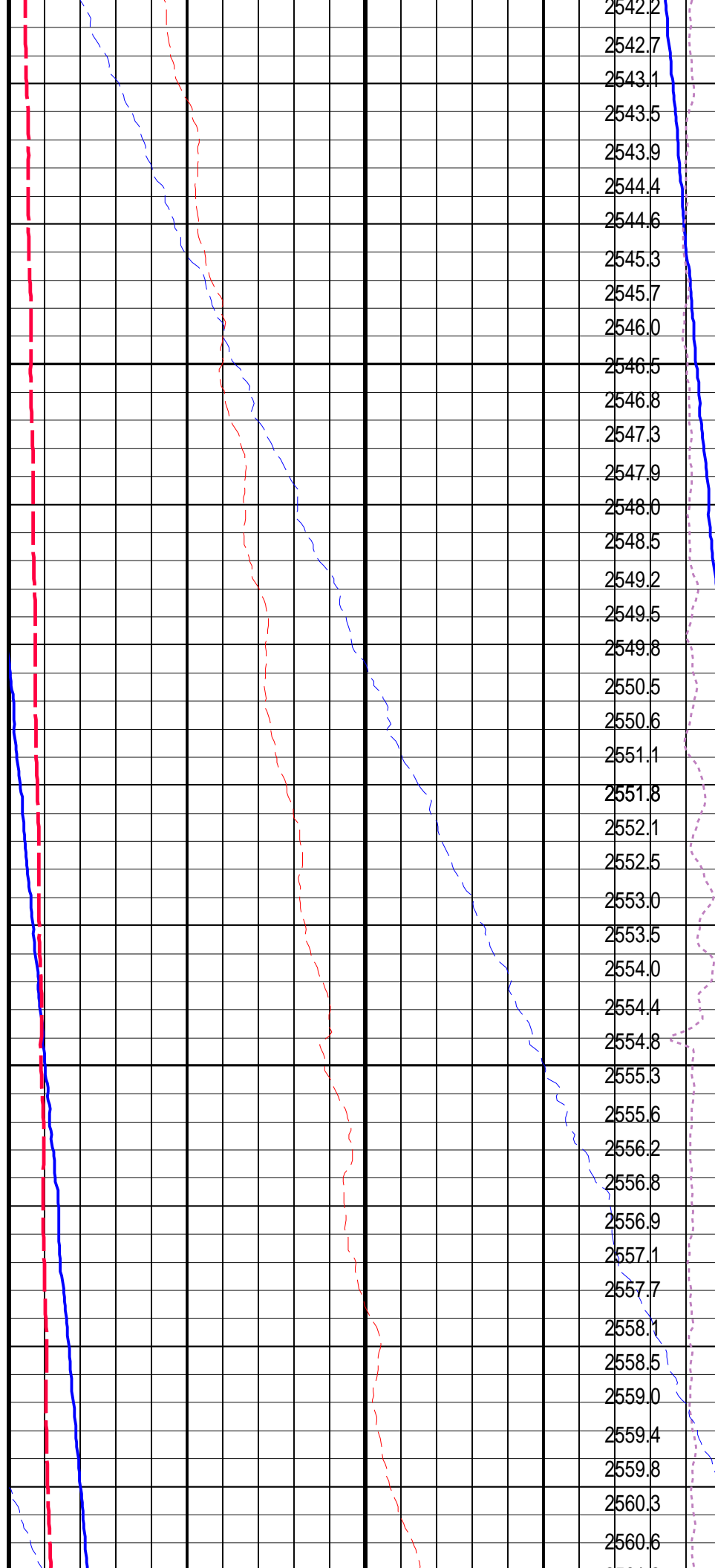


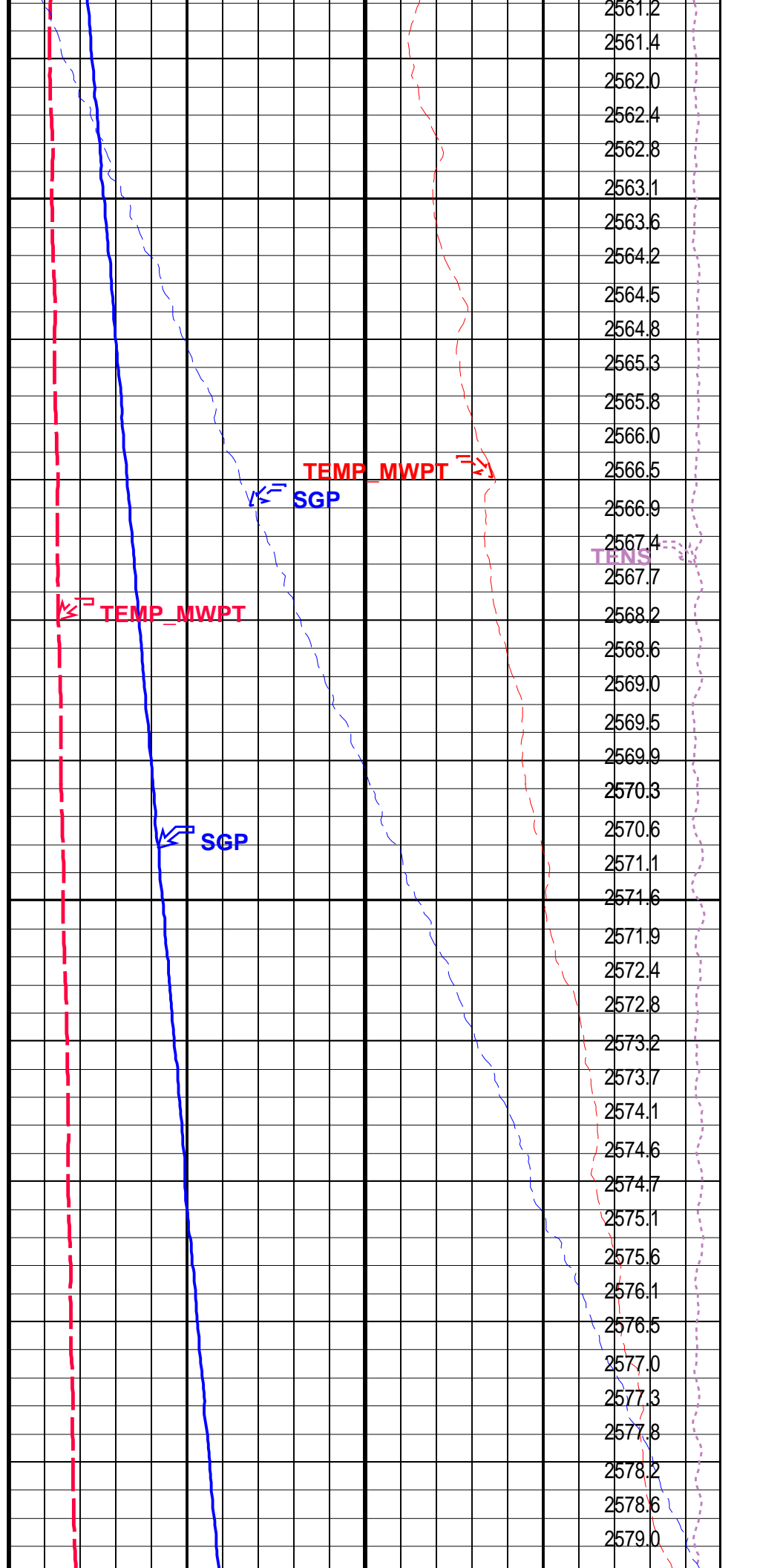
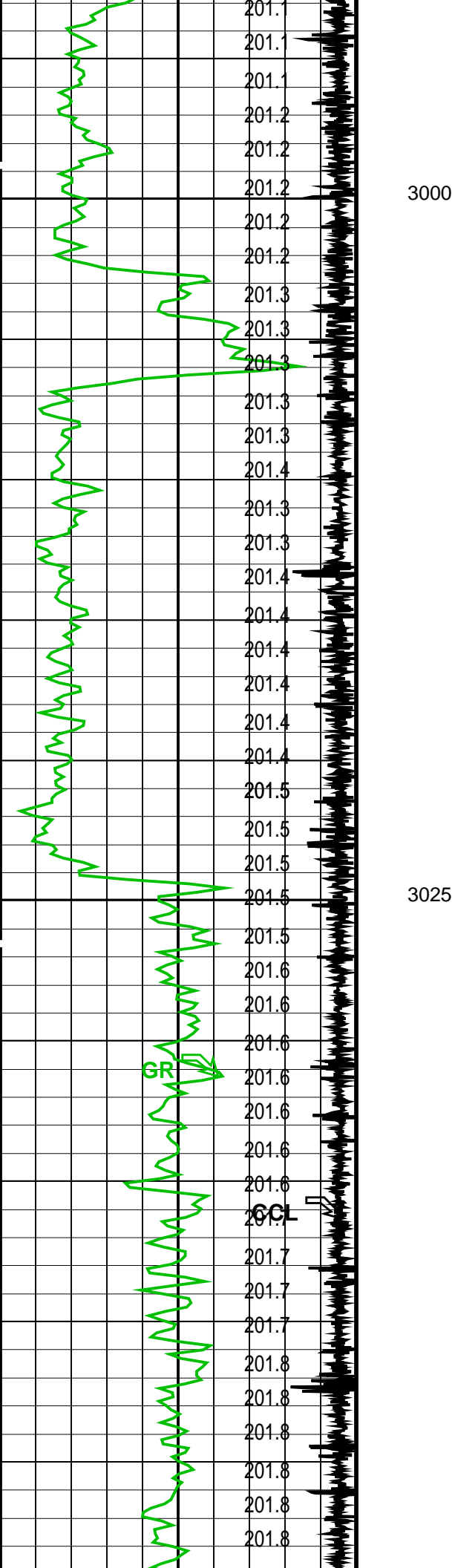


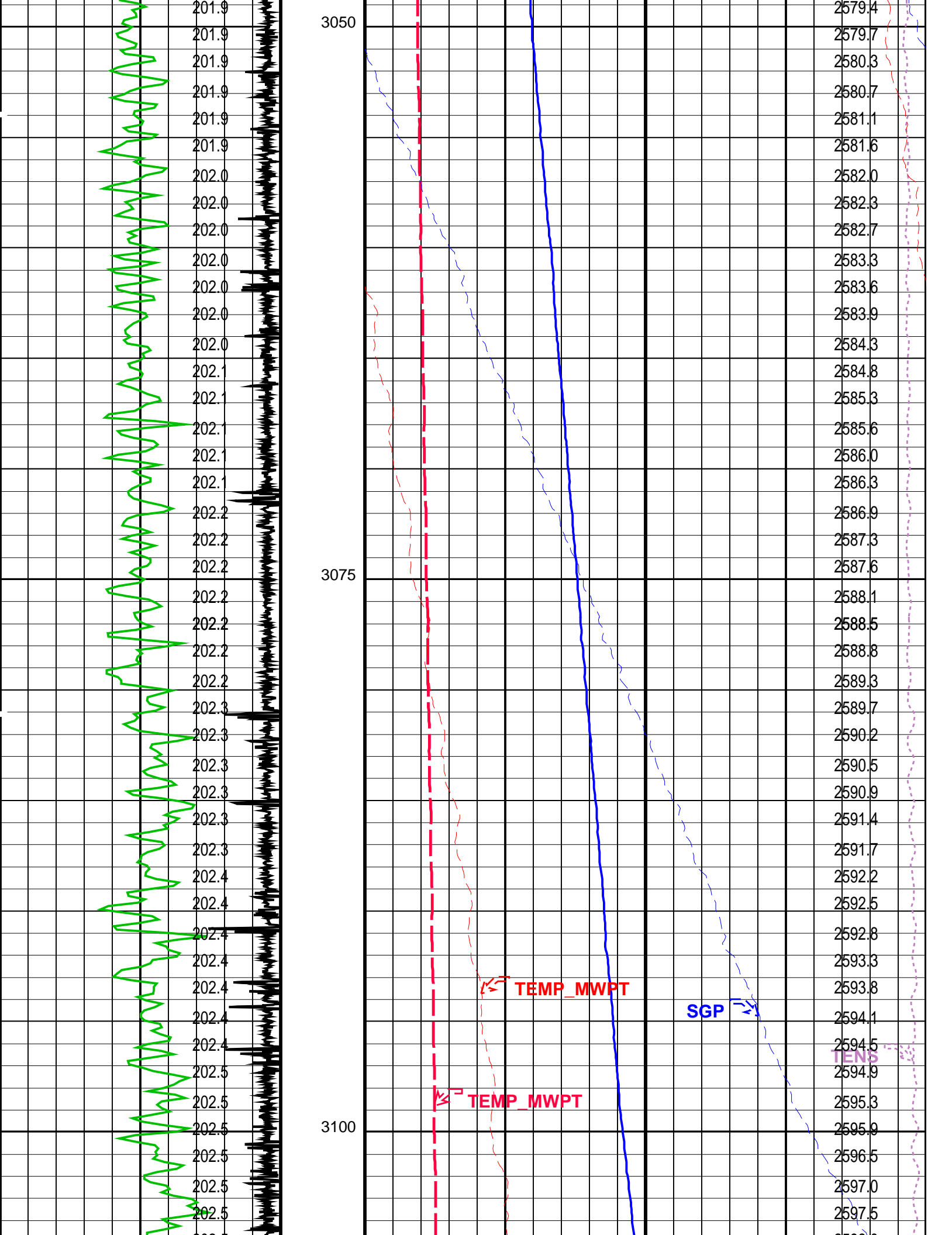


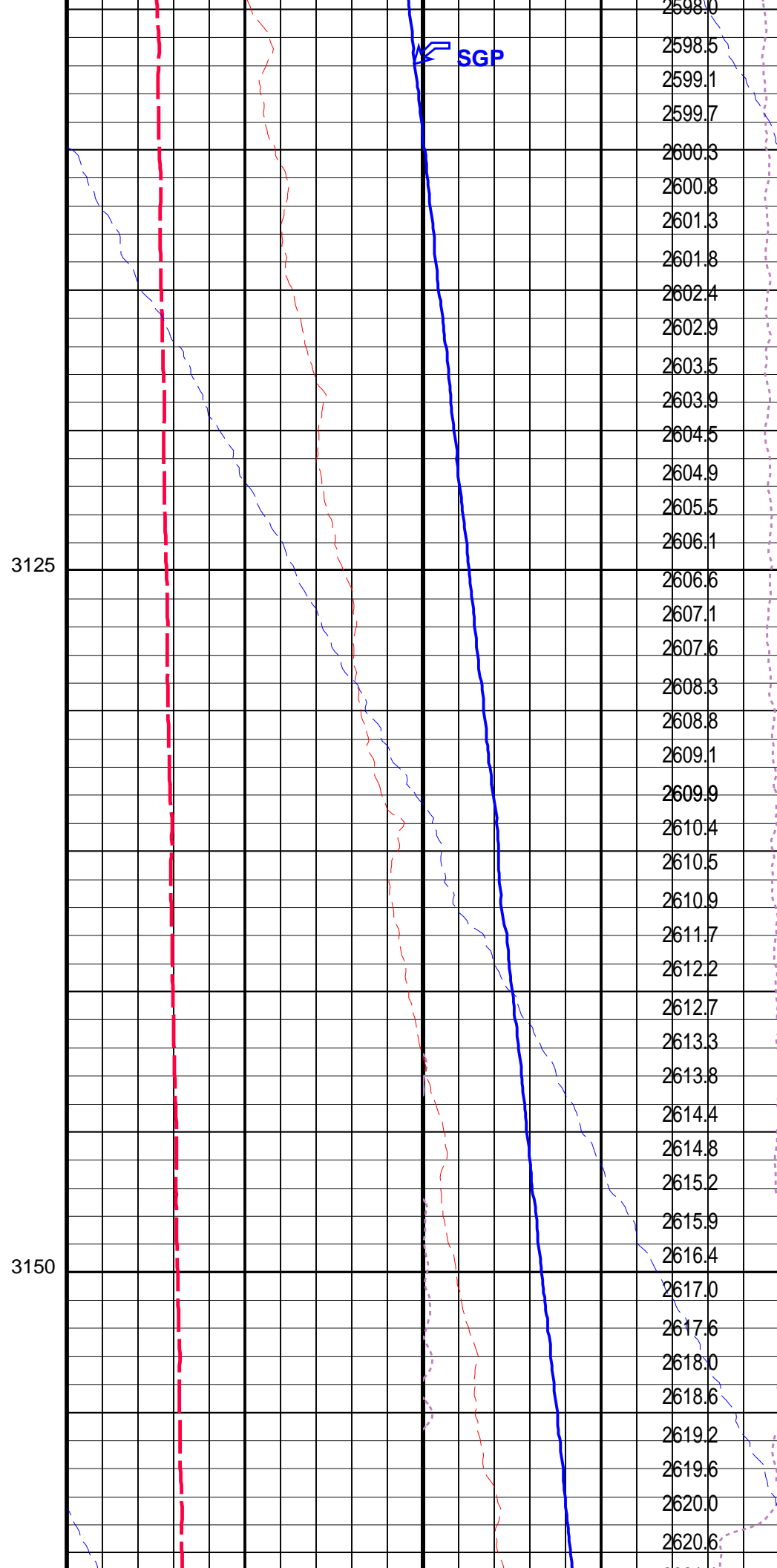
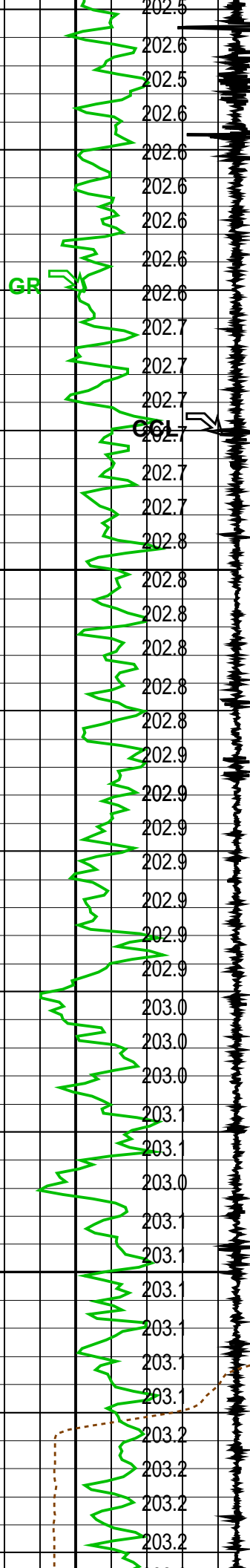
2950

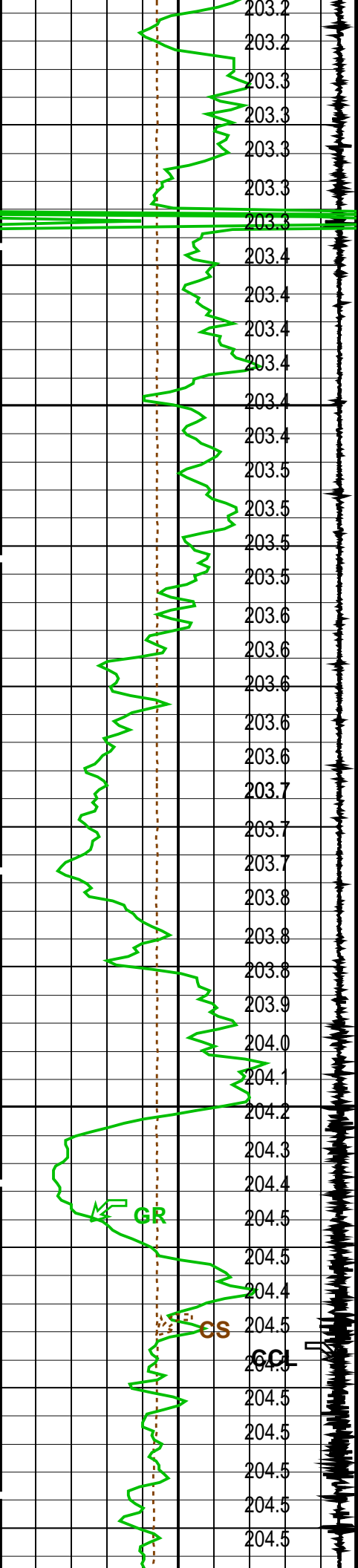
2975





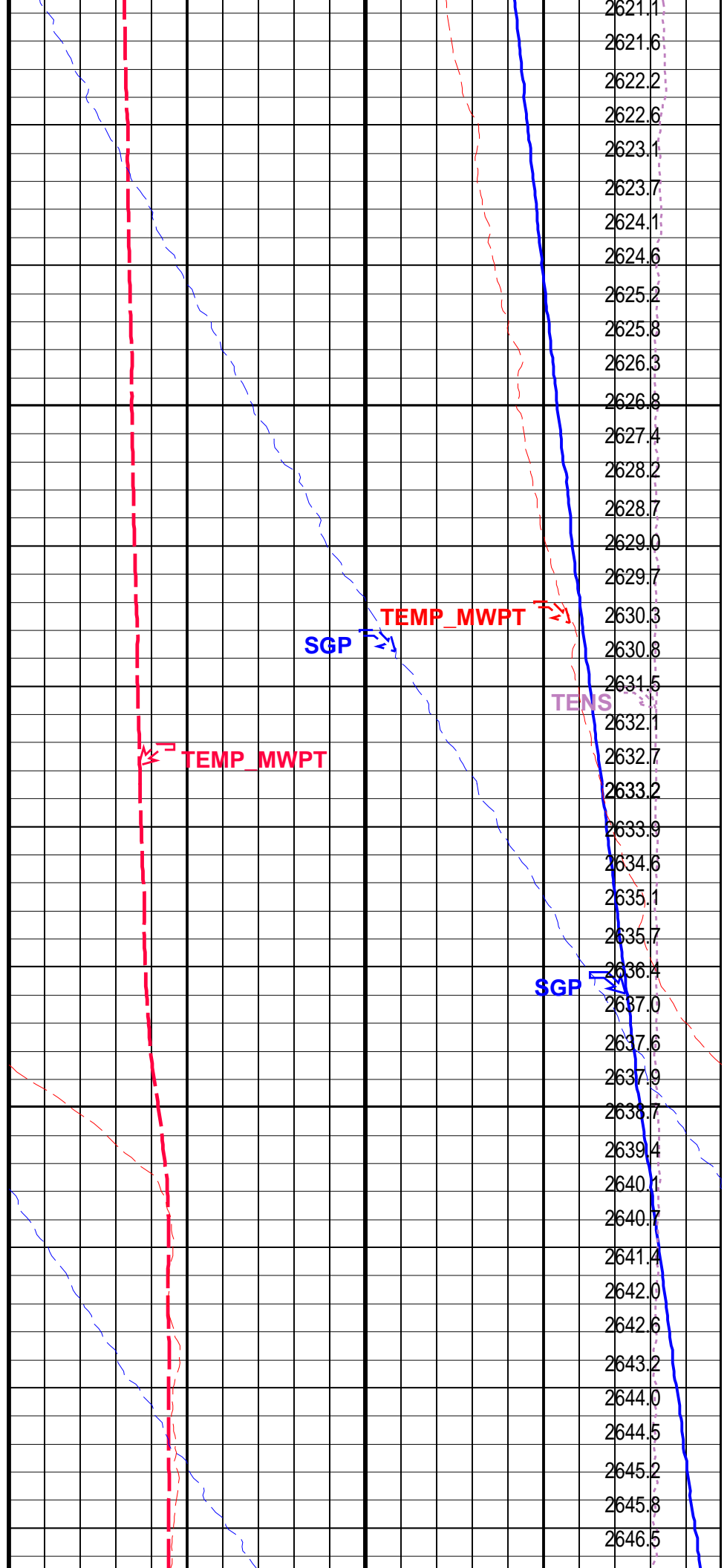


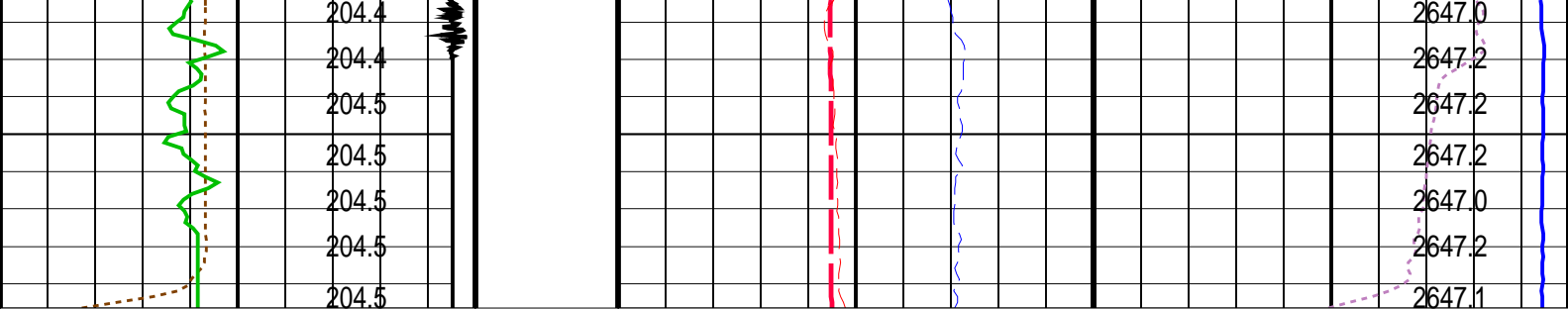




3175

3200





Cable Speed (CS) (F/HR)		0	5000
Casing Collar Locator (CCL)		-19	1
Gamma Ray (GR) (GAPI)		0	150
CCL From CCL to T1			
Temperature (TEMP_MWPT) (DEGF)			
Strain Gauge Pressure (SGP) (PSIA)		2550	2650
Temperature (TEMP_MWPT) (DEGF)		200	220
Strain Gauge Pressure (SGP) (PSIA)		0	20
Temperature (TEMP_MWPT) (DEGF)		0	2
Tension (TENS) (LBF)		0	2000
Pressure (SGP) (PSIA)			

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0 DEG
FLD	Flow Line Density	1 G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0 DEGC
System and Miscellaneous		
DO	Depth Offset for Playback	-1.1 M
PP	Playback Processing	NORMAL

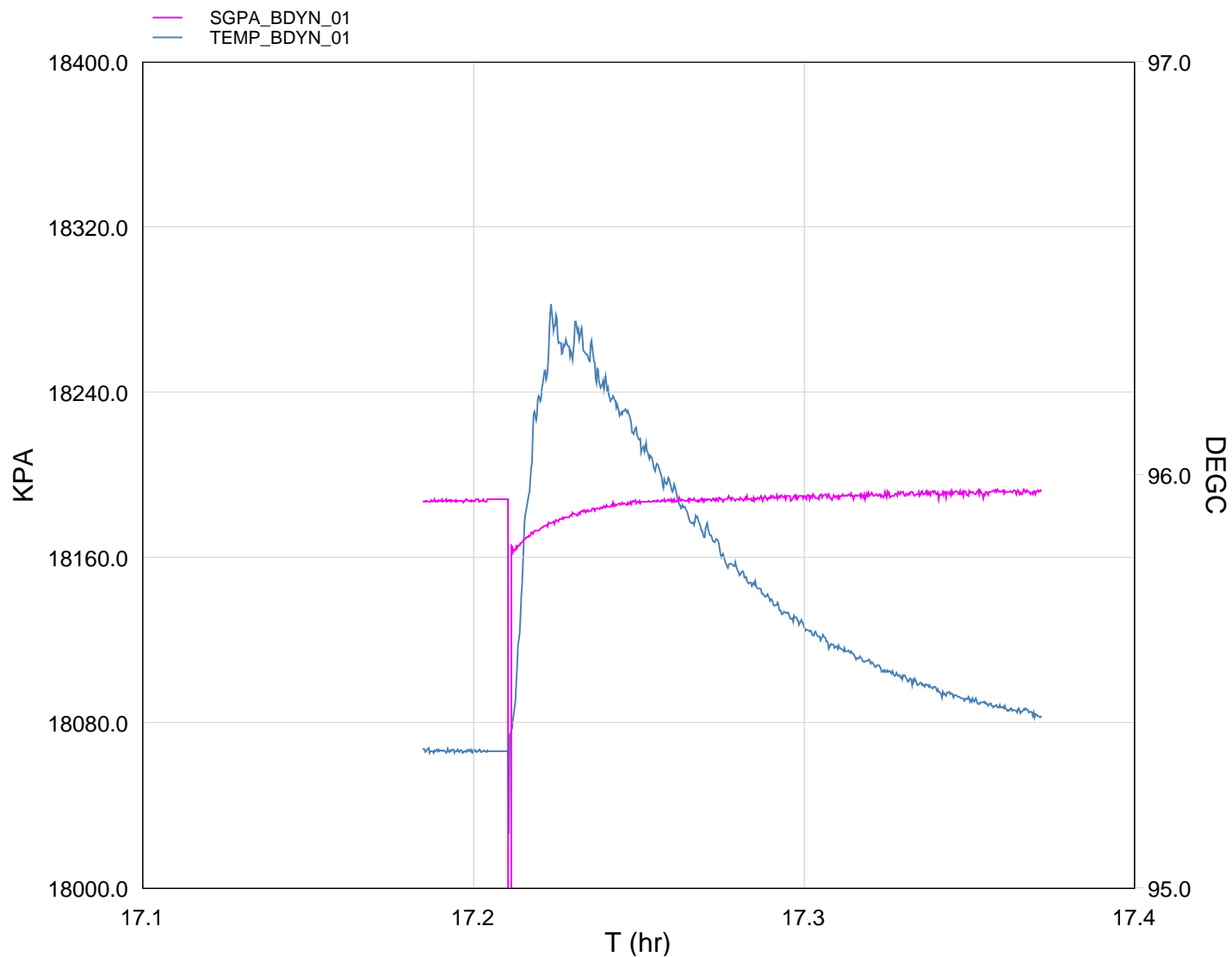
Format: MWP Vertical Scale: 1:200 Graphics File Created: 19-Oct-2008 19:34

OP System Version: 16C0-147			
MCM			
MWPT-CA	16C0-147	MWGT-AA	16C0-147

Input DLIS Files						
DEFAULT	PERFO_067LUP	FN:66	PRODUCER	19-Oct-2008 19:09	3225.7 M	2495.1 M
Output DLIS Files						
DEFAULT	PERFO_069PUP	FN:68	PRODUCER	19-Oct-2008 19:34		

Schlumberger

Gun # 1 Fired @
3200.4m to 3205.3m MDKB



TIME	KPA	PSIA	DEGF	
2580.0	18126.5507	2629.0378	202.9244	
2610.0	18187.6490	2637.8995	203.5957	
2640.0	18187.2230	2637.8376	203.6007	
2670.0	18188.2520	2637.9871	203.5982	Gun Fired
2700.0	18169.0345	2635.1998	204.6155	
2730.0	18177.4333	2636.4178	205.4526	
2760.0	18181.7635	2637.0460	205.4143	
2790.0	18184.5908	2637.4560	205.1772	
2820.0	18187.4297	2637.8676	205.0103	
2850.0	18187.2230	2637.8376	204.7598	
2880.0	18188.3893	2638.0070	204.5983	
2910.0	18187.9760	2637.9470	204.5096	
2940.0	18188.9796	2638.0926	204.3495	
2970.0	18190.1598	2638.2637	204.2460	
3000.0	18188.7340	2638.0570	204.1659	
3030.0	18189.1040	2638.1106	204.0673	
3060.0	18189.9932	2638.2395	204.0084	
3090.0	18190.1841	2638.2673	203.9471	
3120.0	18190.4084	2638.2998	203.9098	
3150.0	18191.9959	2638.5200	203.8612	

3130.0	18191.9938	2638.3300	203.8812
3180.0	18191.6129	2638.4745	203.8222
3210.0	18191.9030	2638.5165	203.7955
3240.0	18191.5430	2638.4644	203.7693

Schlumberger

Gun Shoot Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-22ST1

Output DLIS Files

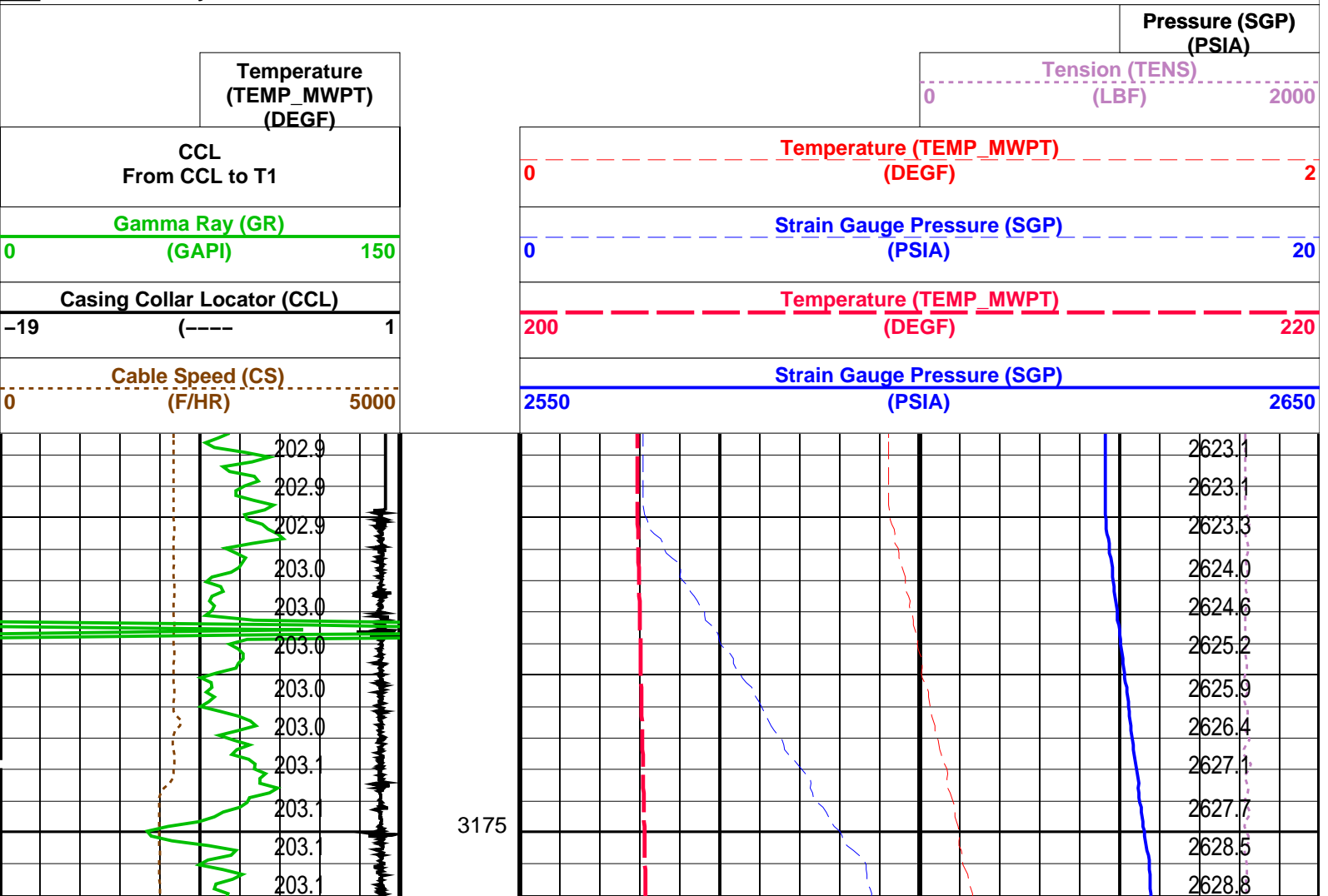
DEFAULT	PERFO_060LUP	FN:59	PRODUCER	19-Oct-2008 17:08	3213.8 M	3162.3 M
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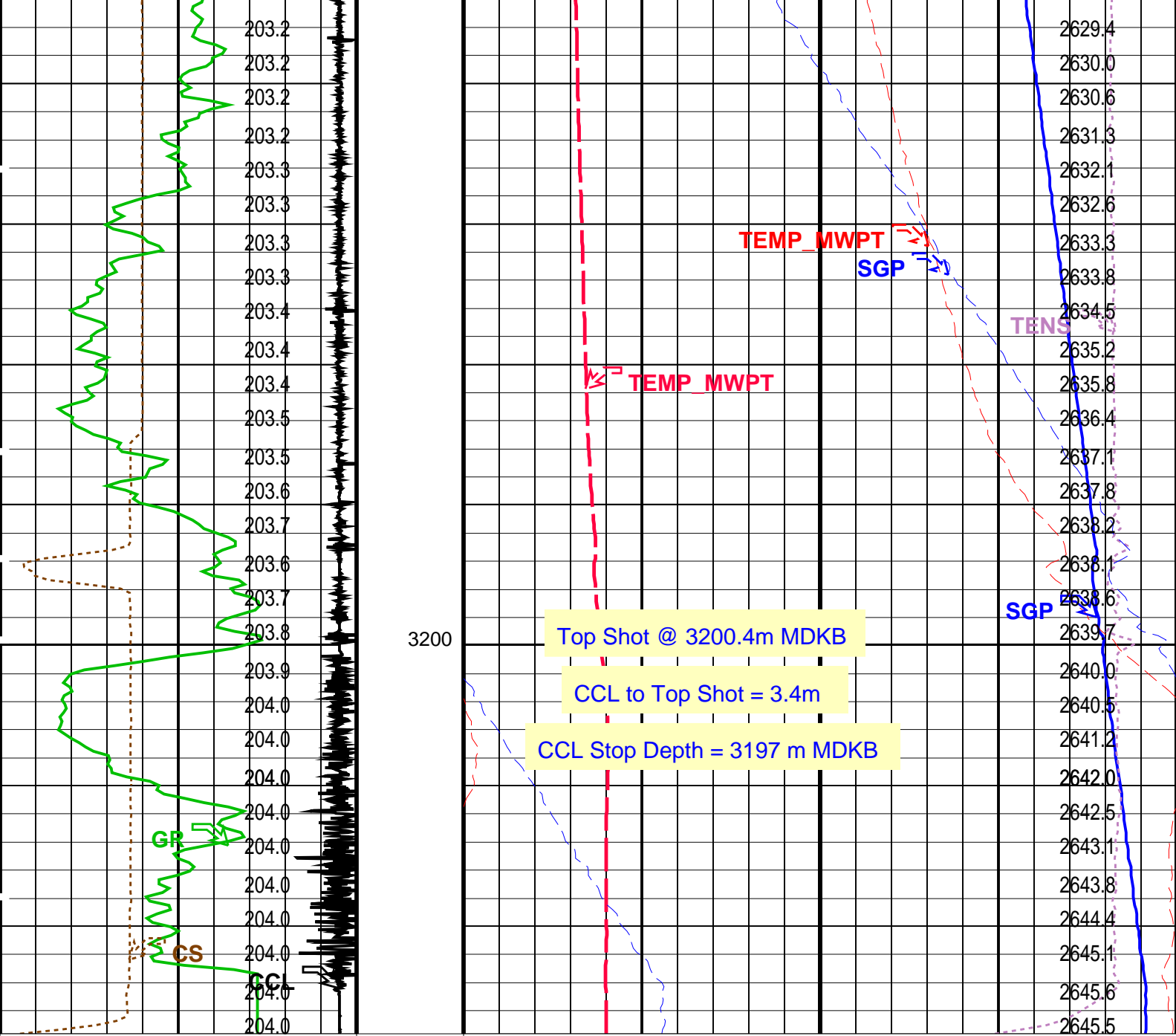
OP System Version: 16C0-147
MCM

MWP_GUN	16C0-147	MWPT-CA	16C0-147
MWGT-AA	16C0-147		

PIP SUMMARY

Time Mark Every 60 S





Cable Speed (CS)	
(F/HR)	
0	5000
Casing Collar Locator (CCL)	
(-----)	
-19	1
Gamma Ray (GR)	
(GAPI)	
0	150
CCL	
From CCL to T1	
Temperature (TEMP_MWPT)	
(DEGF)	

Strain Gauge Pressure (SGP)	
(PSIA)	
2550	2650
Temperature (TEMP_MWPT)	
(DEGF)	
200	220
Strain Gauge Pressure (SGP)	
(PSIA)	
0	20
Temperature (TEMP_MWPT)	
(DEGF)	
0	2
Tension (TENS)	
(LBF)	
0	2000

Pressure (SGP)
(PSIA)

Time Mark Every 60 S

PIP SUMMARY

Parameters		
DLIS Name	Description	Value

0	DEG
1	G/C3
TEMS	
0.0	DEGC

Graphics File Created: 19-Oct-2008 17:08

MWPT-CA 16C0-147

FN:59 PRODUCER 19-Oct-2008 17:08



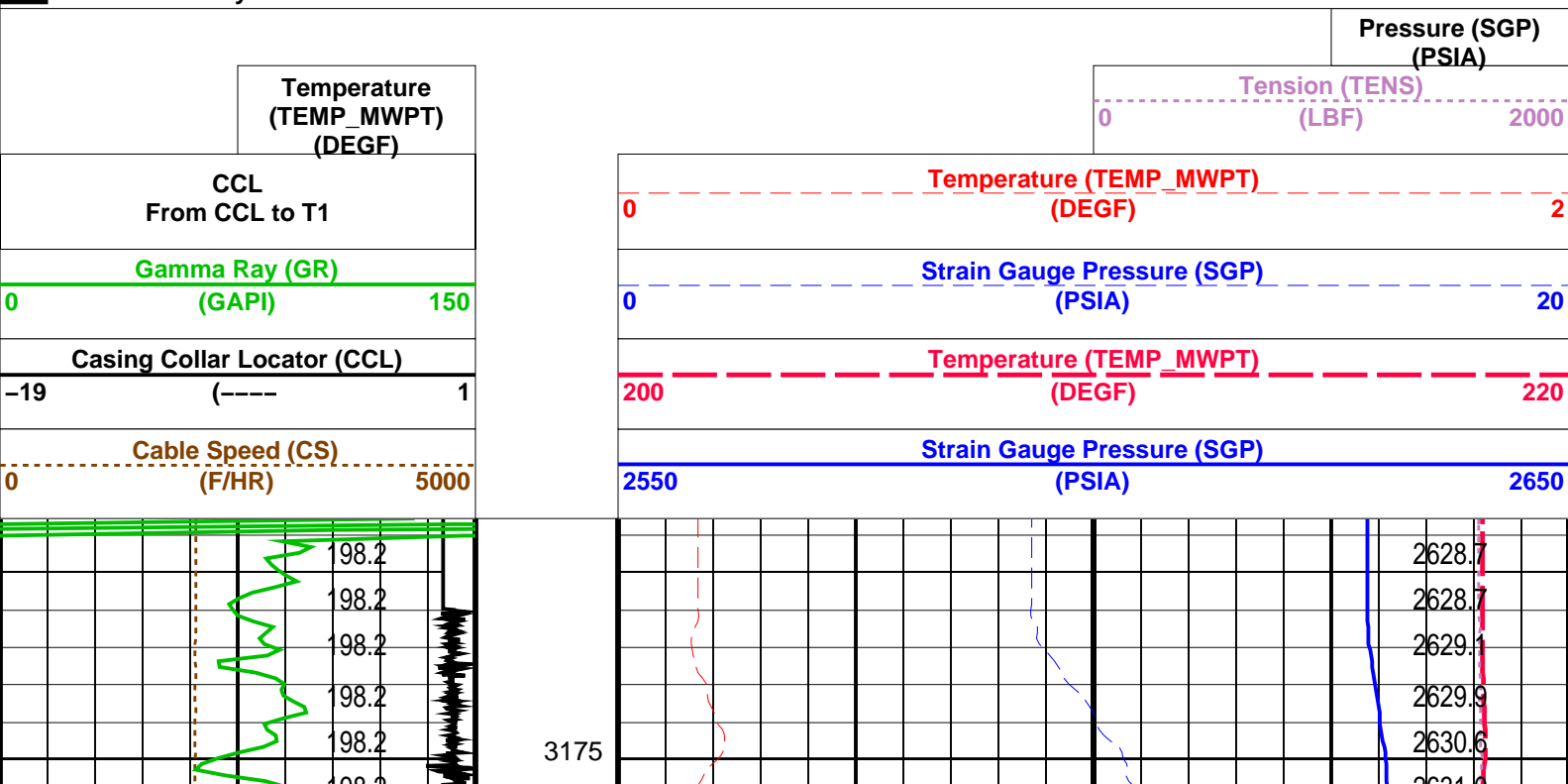
MAXIS Field Log

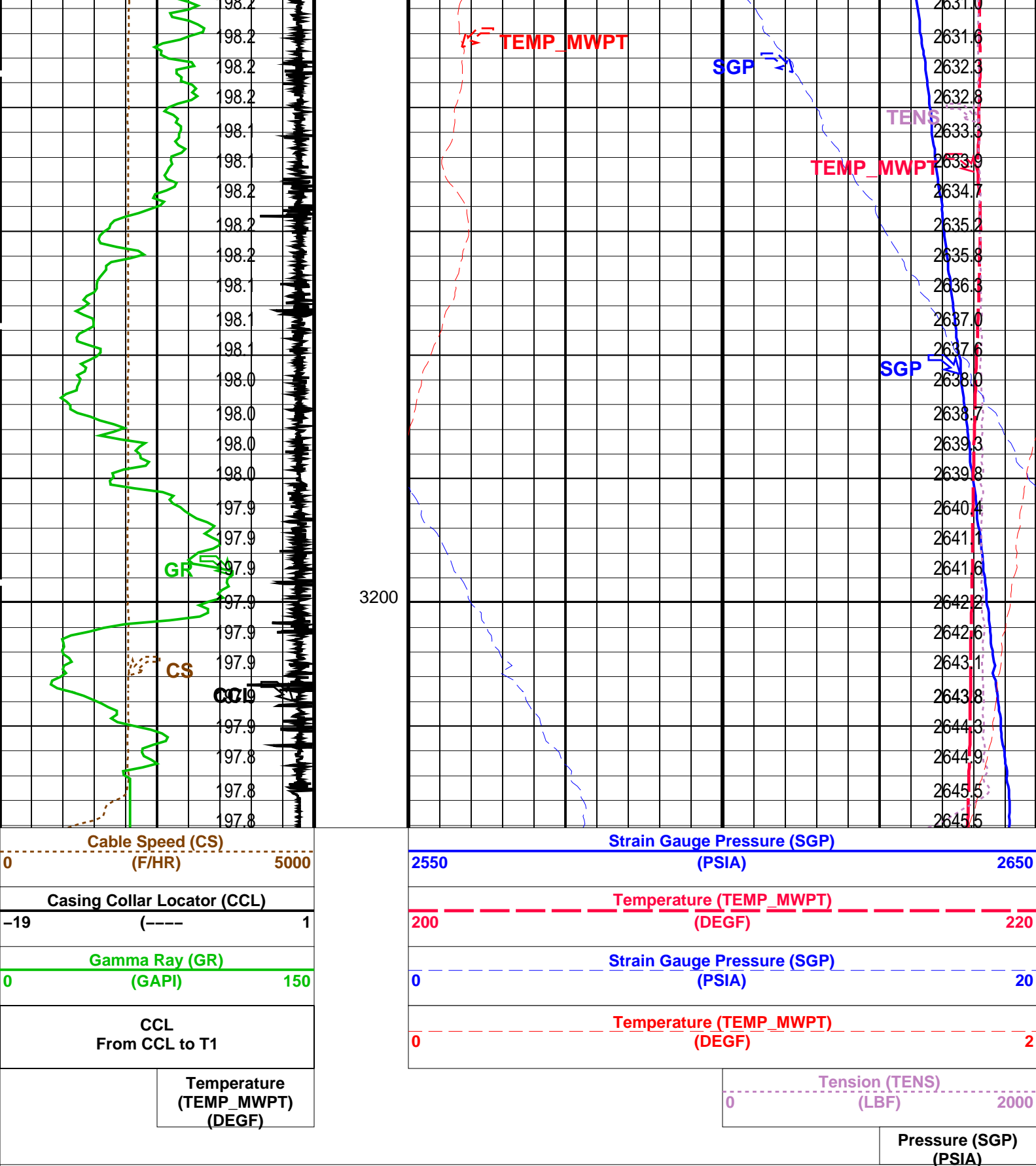
Well: A-22ST1

FN:47 PRODUCER 19-Oct-2008 12:12

MWPT-CA 16C0-147

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0 DEG
FLD	Flow Line Density	1 G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0 DEGC

MWPT - NOEL_TEMP		MWPT - NOEL Temperature		0.0	DEGC
Format: MWP		Vertical Scale: 1:200		Graphics File Created: 19-Oct-2008 12:12	
OP System Version: 16C0-147					
MCM					
MWP_GUN	16C0-147	MWPT-CA	16C0-147		
MWGT-AA	16C0-147				
Output DLIS Files					
DEFAULT	PERFO_048LUP	FN:47	PRODUCER	19-Oct-2008 12:12	
Company: Esso Australia Pty Ltd.					
Schlumberger					
Well:	A-22ST1				
Field:	Bream A				
Rig :	Prod4 / Crane				
Country:	Australia				
2 1/8" Phased Powerjet					
4 1/2" MPBT Plug					
Setting Record					