



Company: Esso Australia Pty Ltd.

Well: A-1a
Field: Bream A
Rig : Prod4 / Crane Country: Australia

2 1/8" Powerjet Perforation	
7"HPI Plug	
Setting Record	
Gippsland Basin Bass Strait	Elev.: K.B. 32.82 m G.L. -59 m D.F. 32.82 m
Permanent Datum: _____ Log Measured From: D.F. _____ Drilling Measured From: D.F. _____	Elev.: 0 m 32.8 m above Perm. Datum
State : Victoria	Max. Well Deviation 44 deg Longitude 147 46'15"E Latitude 038 30'04"S

Logging Date			24-Jun-2007		
Run Number		1 thru 3			
Depth Driller		2219 m			
Schlumberger Depth		2218.5 m			
Bottom Log Interval		2219 m			
Top Log Interval		2125 m			
Casing Fluid Type		Production Fluids			
Salinity					
Density					
Fluid Level					
BIT/CASING/TUBING STRING					
Bit Size		8.500 in			
From					
To					
Casing/Tubing Size		7.000 in			
Weight		26 lbm/ft			
Grade		L-80			
From		11.1 m			
To		2287 m			
Maximum Recorded Temperatures	208 degF				
Logger On Bottom	24-Jun-2007			2:30	
Unit Number	889	Location	Prod4 / Ausl		
Recorded By	G Wright & S Gilbert.				
Witnessed By	B White & B Robinson.				

Run 1					
PVT DATA					
CEMENTING 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					

DEPTH SUMMARY LISTING

Date Created: 22-JUN-2007 16:58:46

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-EB Serial Number: 6373 Calibration Date: 04-JAN-2007 Calibrator Serial Number: 9 Calibration Cable Type: 2-23ZT Wheel Correction 1: -2 Wheel Correction 2: -4	Type: PSDS/OSDS Serial Number: 325357 Calibration Date: 10-Jun-2007 Calibrator Serial Number: 1174 Calibration Gain: 0.92 Calibration Offset: 199.00	Type: 2-32ZT Serial Number: 24425 Length: 6473.04 M Conveyance Method: Wireline Rig Type: Offshore_Fixed

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

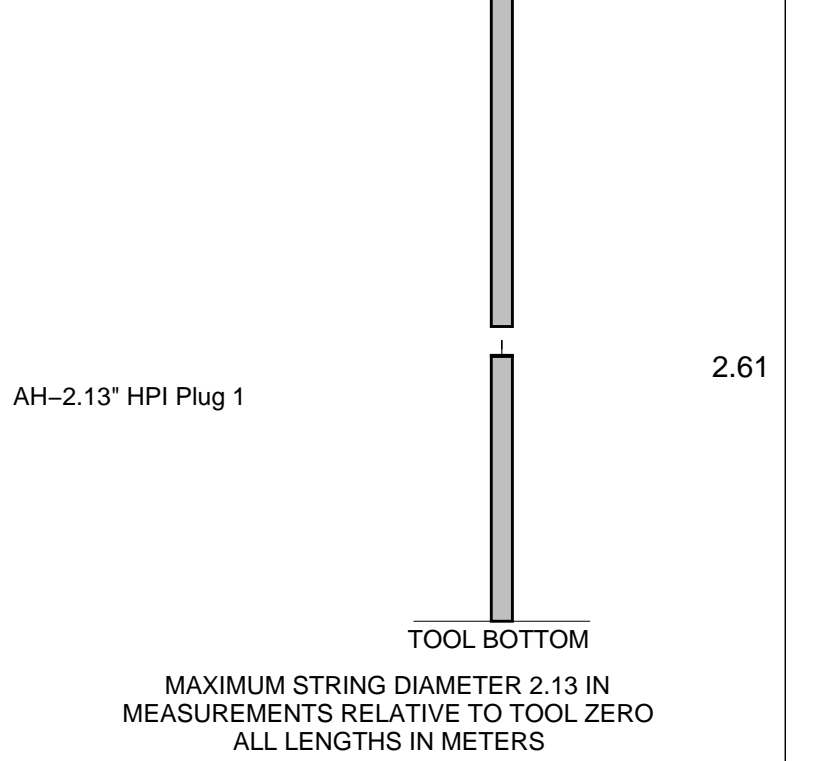
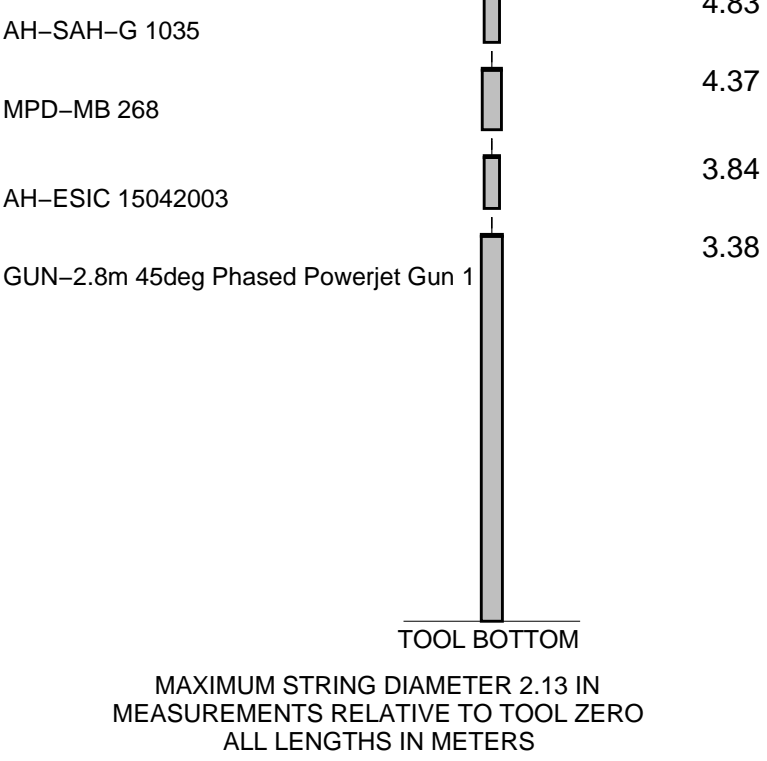
1. IDW used as primary depth control.
2. Z-chart used as secondary backup

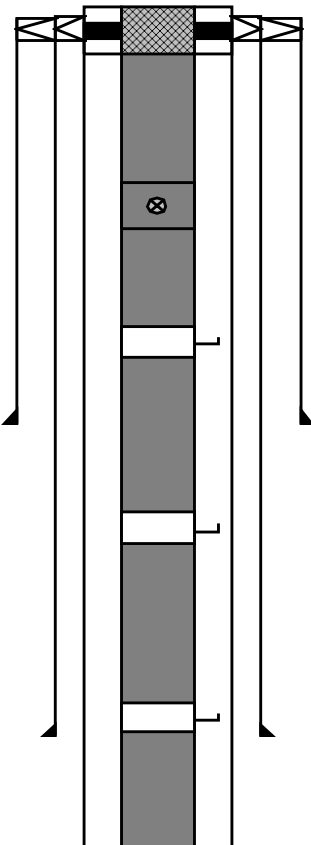
DISCLAIMER

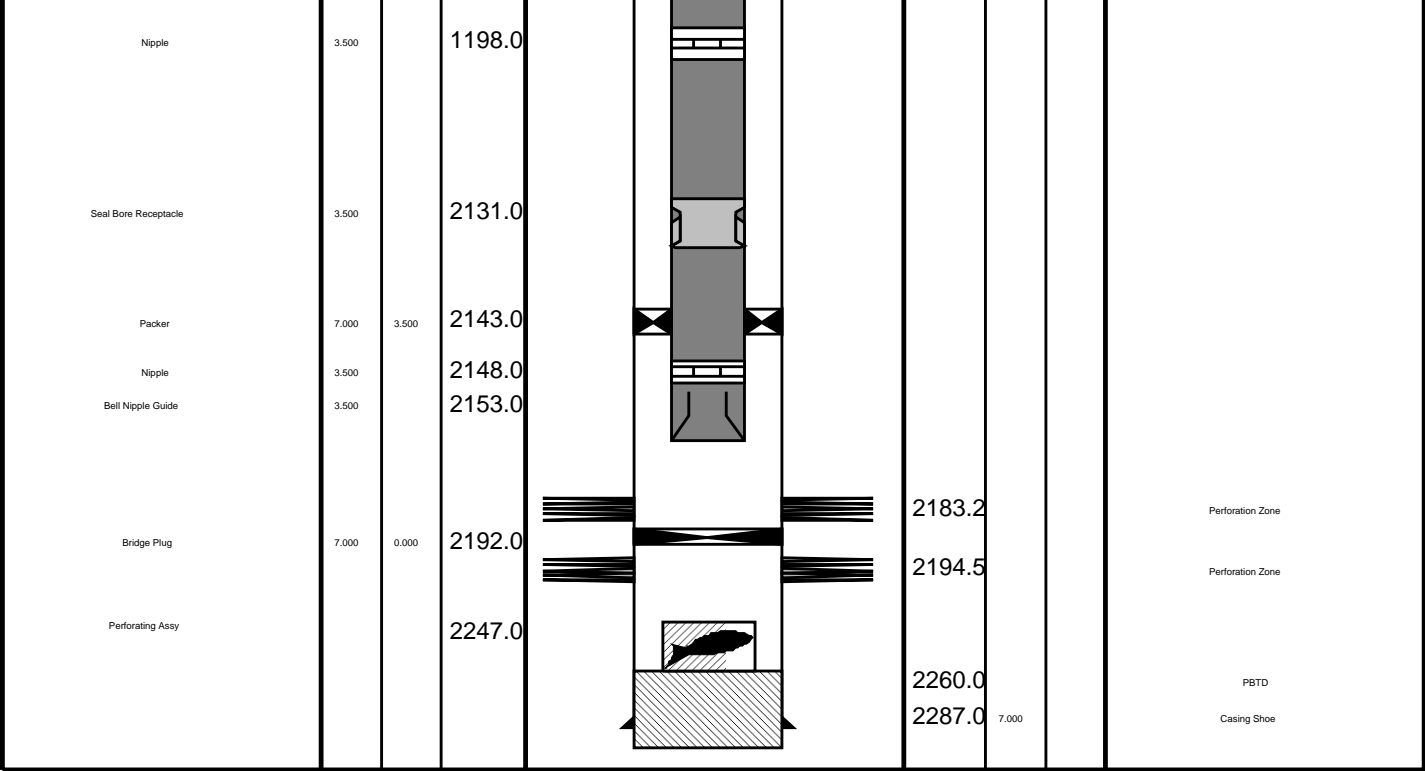
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (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 = 44 degrees at 1500m MDKB.
Objective: Perforate the well using a 2.8m 2 1/8" 45deg Phased Powerjet gun over the interval 2183.2m to 2186m MDKB. Set a 7"HPI Plug with top of seal @ 2192m MDKB.
Before Gun- SBHP:2624 psia SBHT: 207 degf
After Gun- SBHP:2624 psia SBHT: 208 degf
Top Shot @ 2183.2m MDKB

CCL to Top Shot = 3.7m					
CCL Stop Depth = 2179.5m MDKB					
Top of Seal @ 2192 m MDKB.					
CCL to Top of Seal = 10.5 m.					
CCL Stop Depth = 2181.5 m MDKB.					
Crew : J Annear,J Light,P Lawrence,K Kerr.					
RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:			AusI07484935 14C0-302 0 m		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT			SURFACE EQUIPMENT		
MWPM-. 3000			WITM (SHM) 1		
DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
AH-SWBS-B 731		12.56	EQF-SWBS-B 761		14.34
AH-SWBS-B 761		11.88	EQF-SWBS-B 762		13.66
AH-SWBS-B 762		11.19	EQF-SWBS-B 763		12.97
AH-SWBS-B 763		10.51			12.29
			CCL-L 4191	Tension CCL	11.96
MH-SWHS-A 726		9.82			
AH-124 1001		9.49	AH-X-Over SLB-GO 1		11.50
					11.50
MWPG-AA 69		9.29	AH-Electro Hydraulic Actuator 1		11.35
MWGH-AA 69					
	MWPG GR	2.41	AH-Filter Section 1		10.80
MWPH-AA 74		8.31	AH-Snorkel Section 1		10.02
MWPS-AA 74					
	CCL SMWP Pres SMWP Temp Tension	TOOL ZERO			
AH-Flex Joint 41		5.49	AH-Hydraulic Section 2		7.49
AH-122 7002		4.93			



Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing	3.500		11.0		13.0	13.375		Casing String
Tubing Hanger	7.000	3.500	11.0		11.1	7.000		Casing String
					11.1	9.675	7.000	Liner Hanger
					11.9	9.675		Casing String
					11.9	13.375	9.675	Liner Hanger
Shutin Valve	3.500		451.0					
Gas Lift Mandrel	3.500		566.0					
					853.0	13.375		Casing Shoe
Gas Lift Mandrel	3.500		971.0					
Gas Lift Mandrel	3.500		1172.0		1500.0	9.675		Casing Shoe



Job Event Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Log Pass (down)	24-Jun-2007 2:17	000:12	908.9 - 2193.2 PERFO_011LDP
Log Pass (up)	24-Jun-2007 2:30	000:02	2193.0 - 2166.4 PERFO_012LUP
Log Pass (up)	24-Jun-2007 2:35	000:03	2190.9 - 2175.5 PERFO_013LUP
Log Pass (up)	24-Jun-2007 2:38	000:04	2191.1 - 2161.6 PERFO_014LUP
Log Pass (up)	24-Jun-2007 2:45	000:05	2190.3 - 2153.1 PERFO_015LUP
Log Pass (up)	24-Jun-2007 2:57	000:03	2190.3 - 2176.4 PERFO_016LUP
Log Pass (up)	24-Jun-2007 3:01	000:05	2188.6 - 2149.3 PERFO_017LUP
Log Pass (up)	24-Jun-2007 3:11	000:37	2186.3 - 2141.2 PERFO_018LUP
Station Log	24-Jun-2007 3:13	000:30	2179.5 - 4.5 PERFO_019LTP
Log Pass (up)	24-Jun-2007 3:54	000:01	1759.5 - 1732.6 PERFO_020LUP
Log Pass (down)	24-Jun-2007 4:40	000:23	-9.1 - 2181.5 PERFO_023LDP
Log Pass (up)	24-Jun-2007 5:03	000:12	2217.0 - 2121.3 PERFO_024LUP
Log Pass (up)	24-Jun-2007 5:19	000:01	1788.9 - 1762.5 PERFO_027LUP
Log Pass (up)	24-Jun-2007 5:32	000:02	456.4 - 357.4 PERFO_029LUP
Log Pass (up)	24-Jun-2007 5:38	000:06	62.3 - -11.6 PERFO_030LUP
Simulated Log	24-Jun-2007 6:18	000:02	PERFO_032LUP
Log Pass (down)	24-Jun-2007 7:05	000:32	-5.0 - 2206.8 PERFO_033LDP

Log Pass (down) 24-Jun-2007 7:53 000:02 2205.4 - 2151.9 PERFO_034LUP
Log Pass (up) 24-Jun-2007 7:37 000:03 2205.4 - 2151.9 PERFO_034LUP
Log Pass (up) 24-Jun-2007 7:44 000:11 2207.4 - 2164.7 PERFO_035LUP
Log Pass (down) 24-Jun-2007 7:55 000:01 2165.5 - 2184.3 PERFO_036LDP
Log Pass (up) 24-Jun-2007 7:57 000:03 2184.3 - 2149.6 PERFO_037LUP



Plug tagged @ 2192m MDKB

MAXIS Field Log

Output DLIS Files

DEFAULT PERFO_037LUP FN:36 PRODUCER 24-Jun-2007 07:57 2184.3 M 2149.6 M

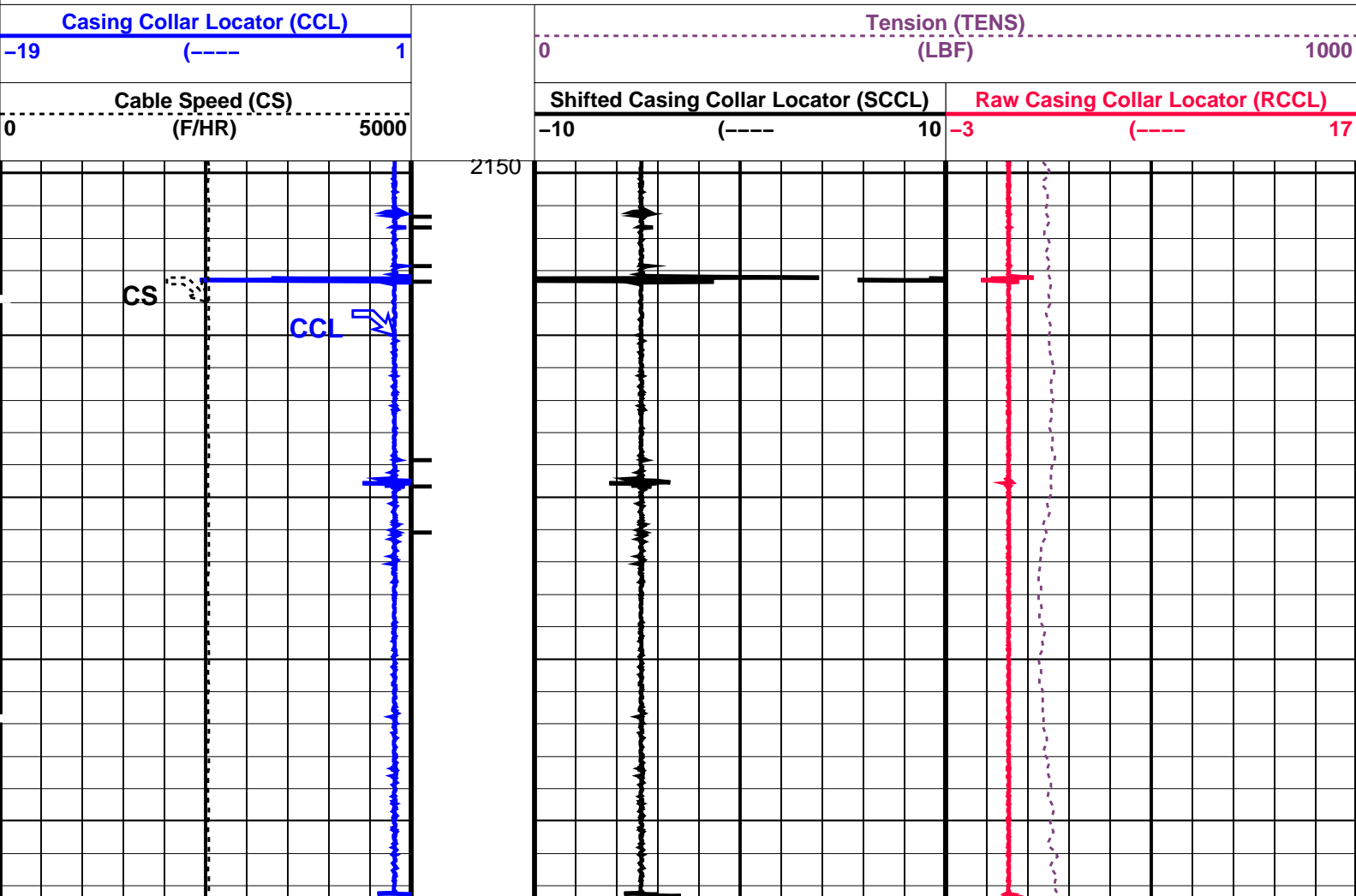
OP System Version: 14C0-302
MCM

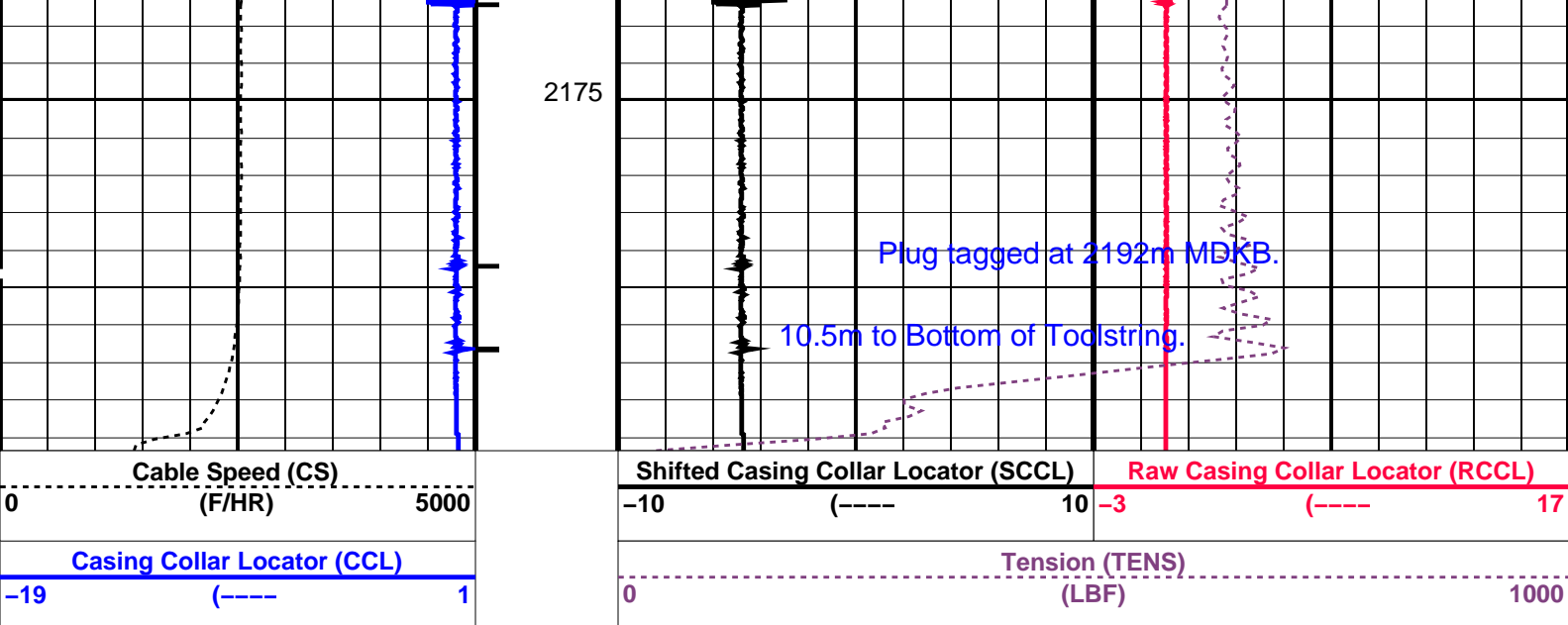
SHM_GUN 14C0-302 CCL-L 14C0-302

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters

DLIS Name	Description	Value
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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: 24-Jun-2007 07:57

OP System Version: 14C0-302

MCM

SHM_GUN	14C0-302	CCL-L	14C0-302
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Output DLIS Files

DEFAULT	PERFO_037LUP	FN:36	PRODUCER	24-Jun-2007 07:57
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Schlumberger

Plug Setting Pass

MAXIS Field Log

Output DLIS Files

DEFAULT	PERFO_035LUP	FN:34	PRODUCER	24-Jun-2007 07:44	2207.4 M	2164.7 M
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OP System Version: 14C0-302

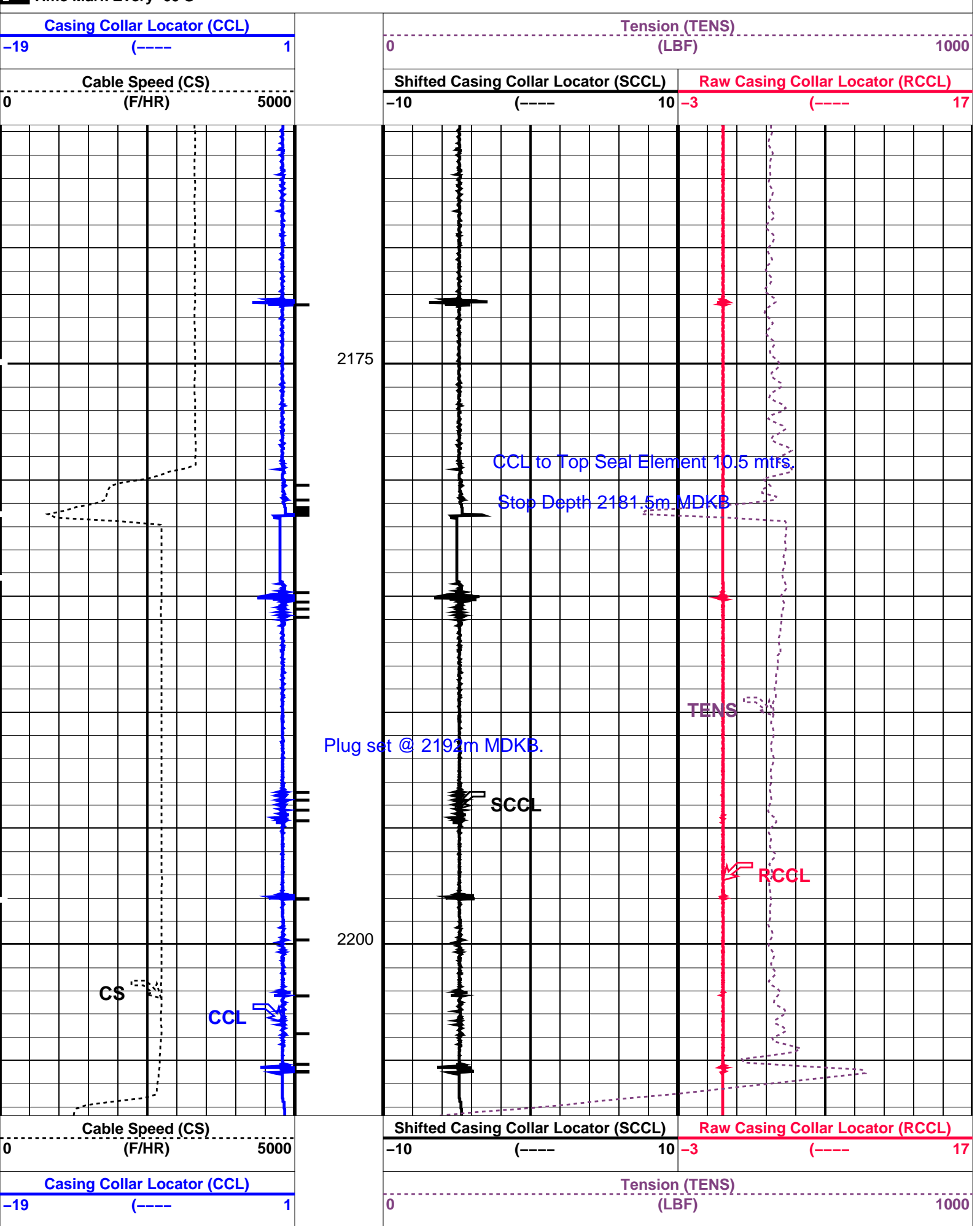
MCM

SHM_GUN	14C0-302	CCL-L	14C0-302
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PIP SUMMARY

Time Mark Every 60 S

Casing Collars



PIP SUMMARY

└─ 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

12 IN
0.3 V

Graphics File Created: 24-Jun-2007 07:44

SHM GUN	14C0-302	CCL-L	14C0-302
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DEFAULT PERFO 035LUP FN:34 PRODUCER 24-Jun-2007 07:44

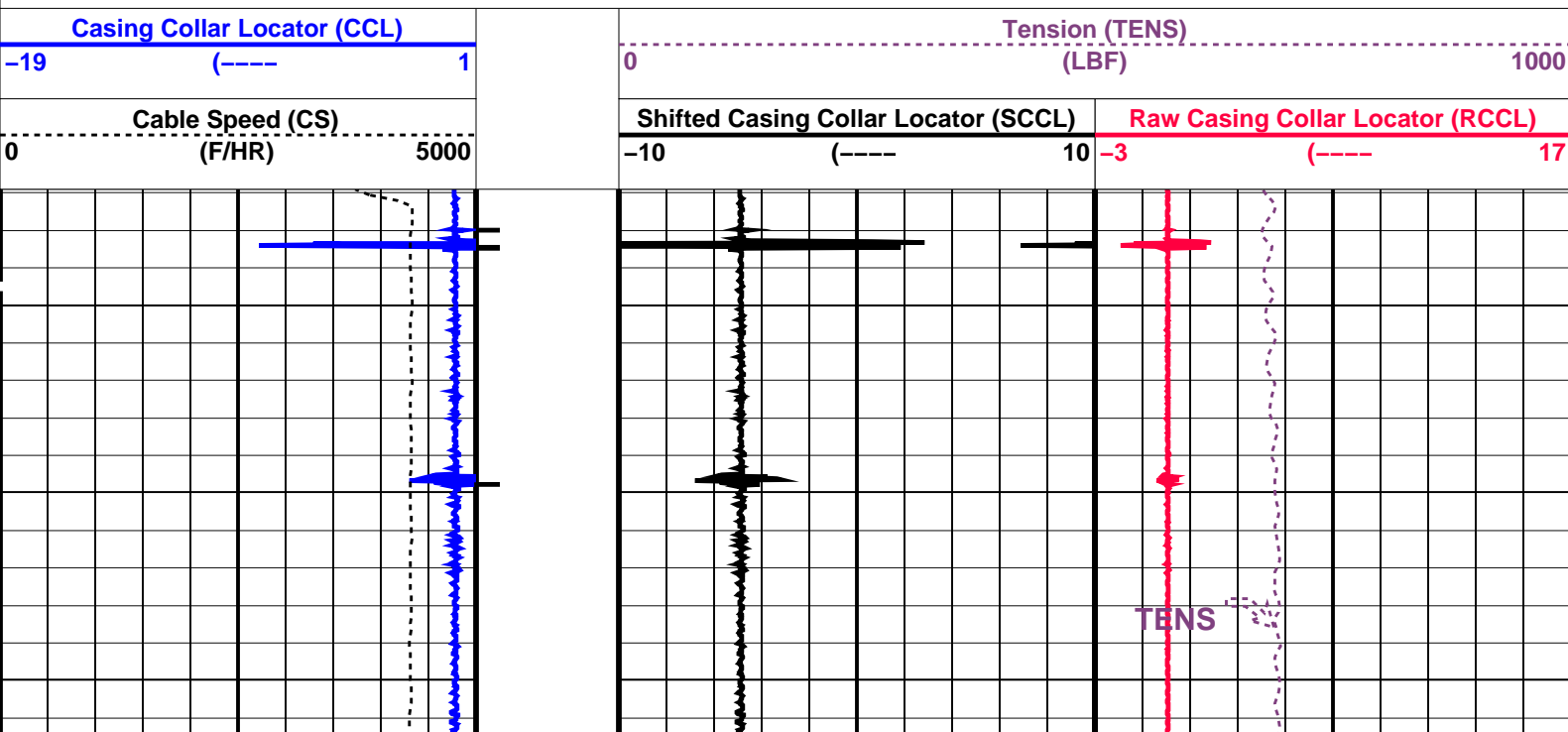


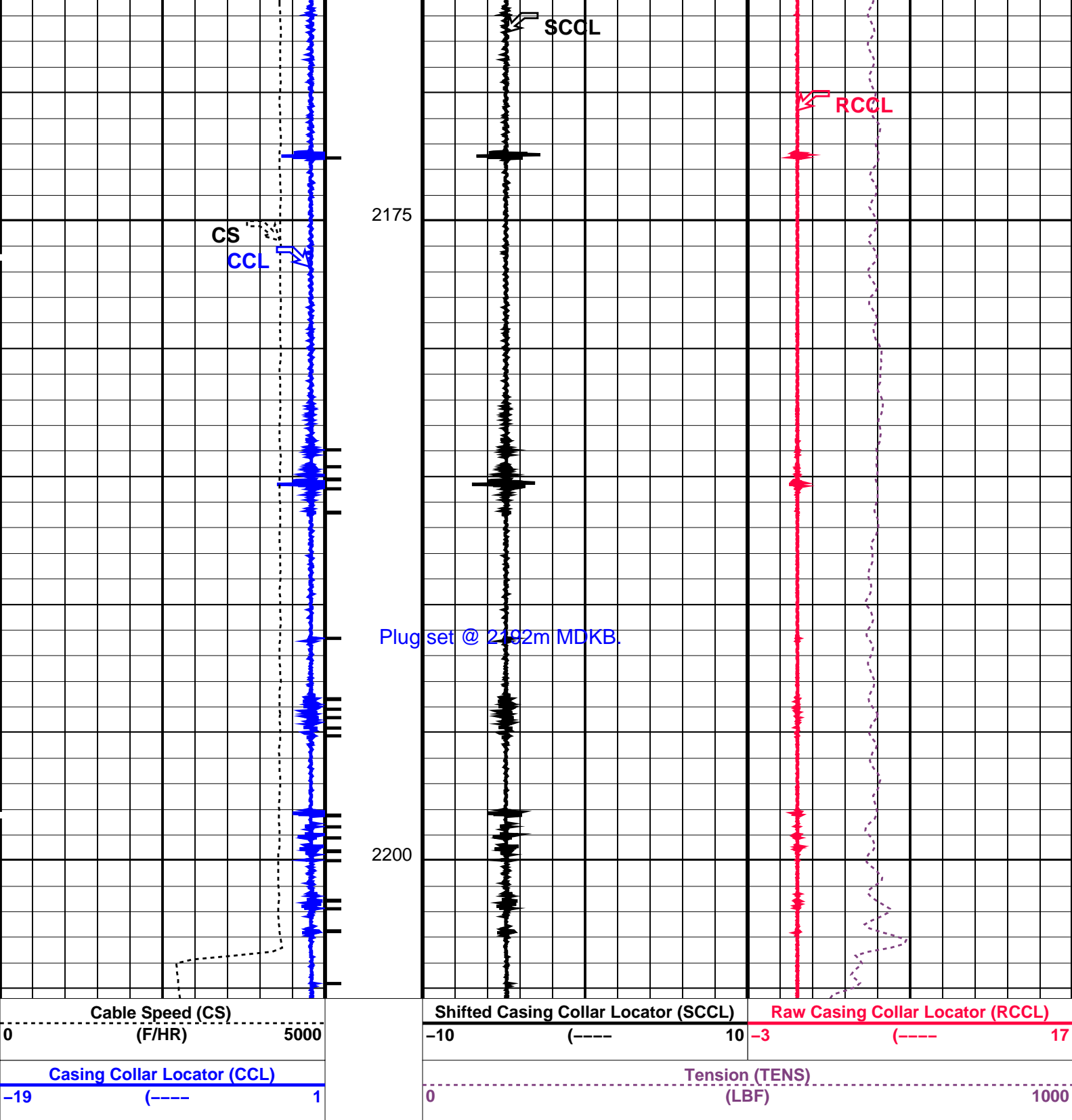
DEFAULT	PERFO_034LUP	FN:33	PRODUCER	24-Jun-2007 07:37	2205.4 M	2151.9 M
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SHM GUN	14C0-302	CCL-L	14C0-302
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└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S

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: 24-Jun-2007 07:37

SHM_GUN14C0-302CCL-L14C0-302

Output DLIS Files

DEFAULTPERFO_034LUPFN:33PRODUCER24-Jun-2007 07:37

Schlumberger

Dummy Plug

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A-1a

Input DLIS Files

DEFAULTPERFO_024LUPFN:23PRODUCER24-Jun-2007 05:032217.0 M2121.3 M

Output DLIS Files

DEFAULTPERFO_026PUPFN:25PRODUCER24-Jun-2007 05:172217.6 M2119.9 M

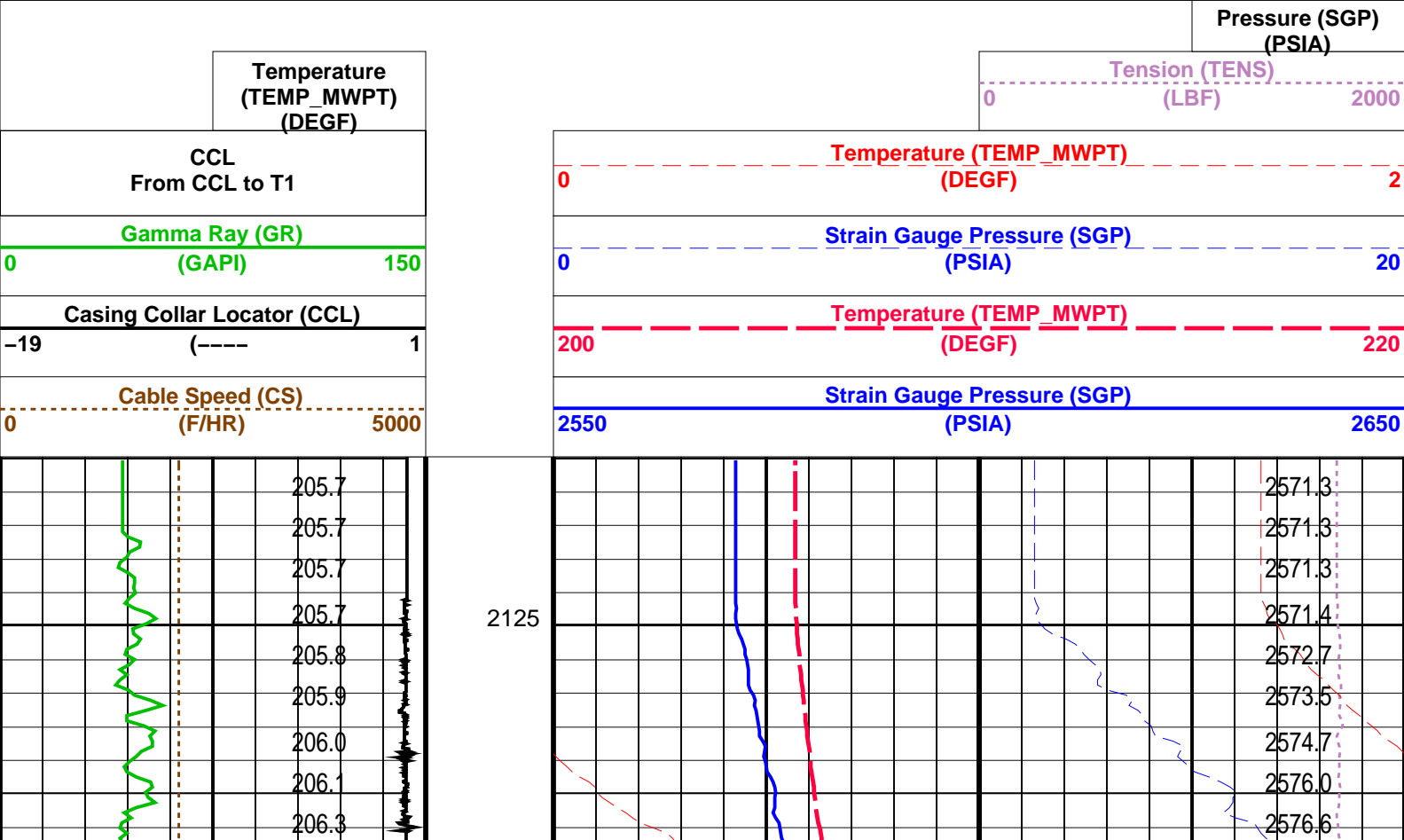
OP System Version: 14C0-302

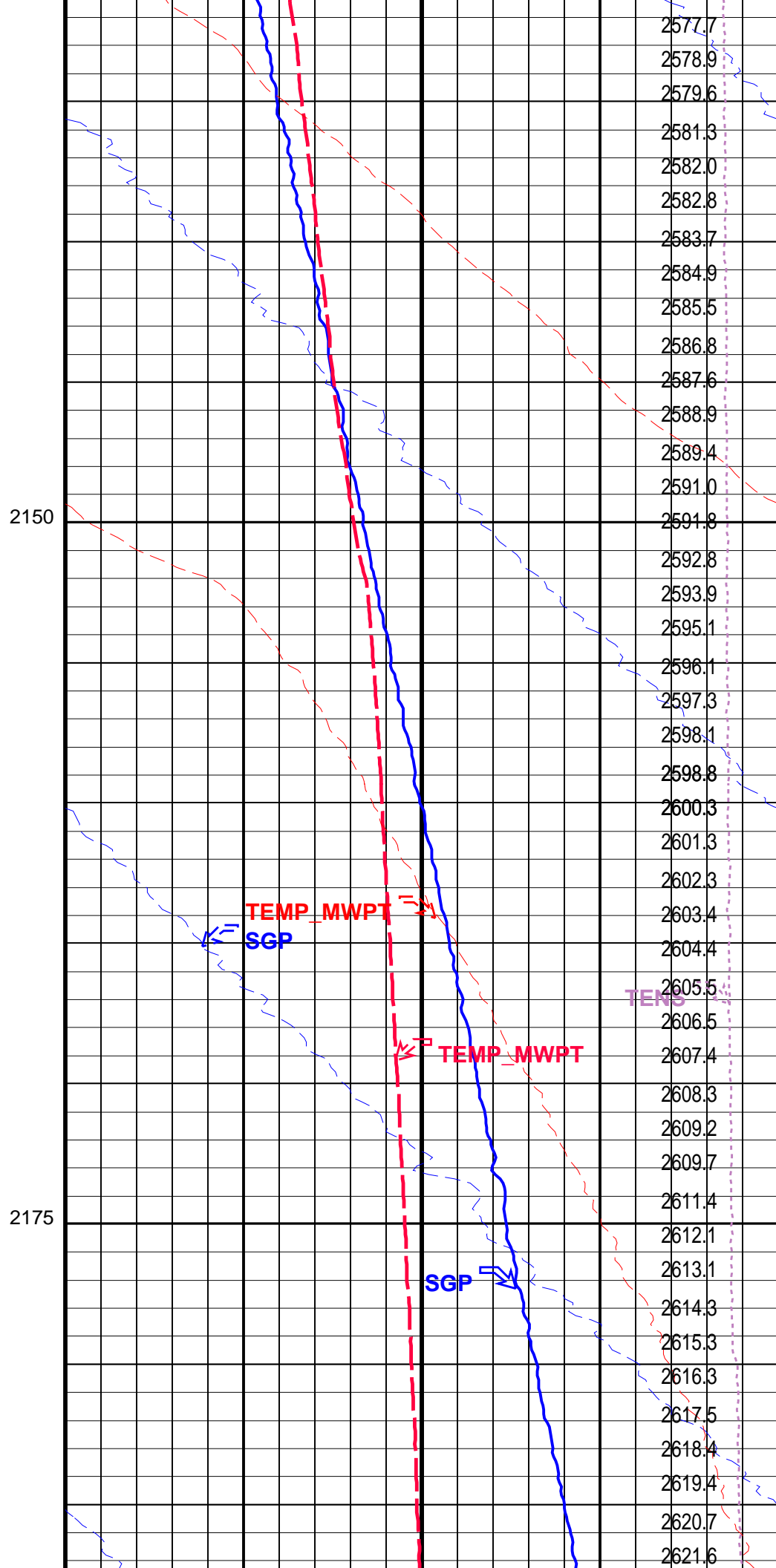
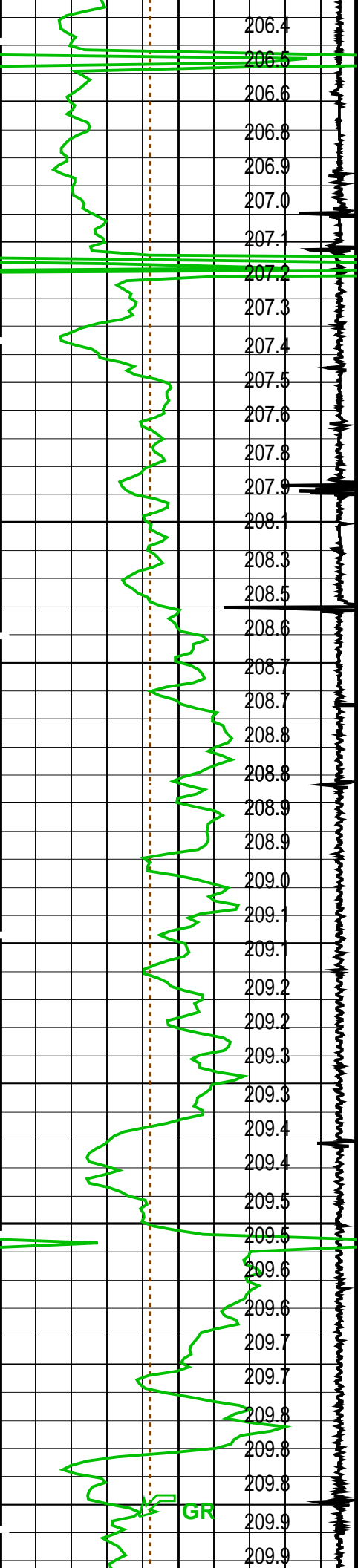
MCM

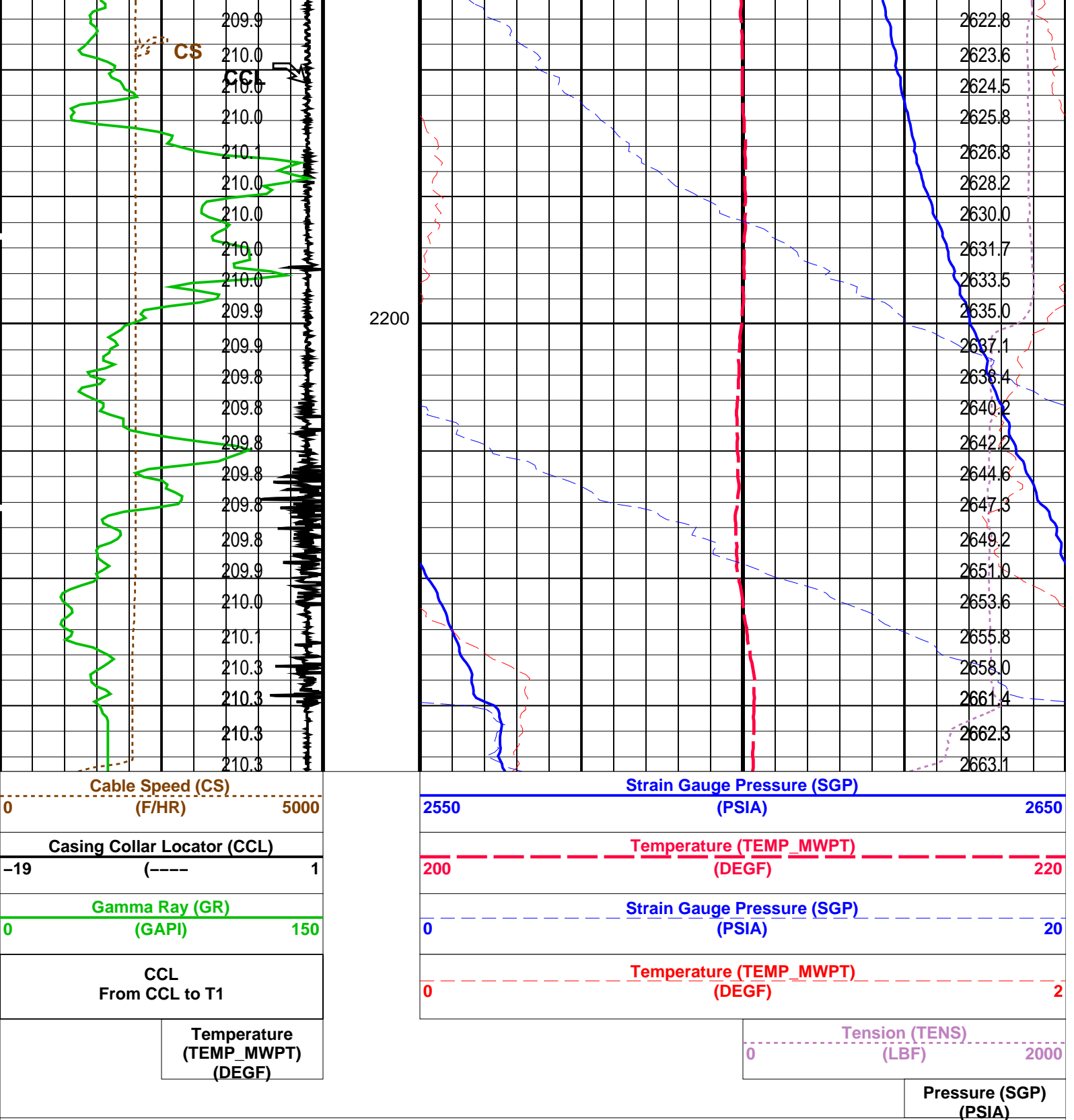
MWPT-CA14C0-302MWGT-AA14C0-302

PIP SUMMARY

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
System and Miscellaneous		
DO	Depth Offset for Playback	0.6 M
PP	Playback Processing	NORMAL

OP System Version: 14C0-302

MCM

MWPT-CA

14C0-302

MWGT-AA

14C0-302

Input DLIS Files

DEFAULT

PERFO_024LUP

FN:23

PRODUCER

24-Jun-2007 05:03

2217.0 M

2121.3 M

Output DLIS Files

DEFAULT

PERFO_026PUP

FN:25

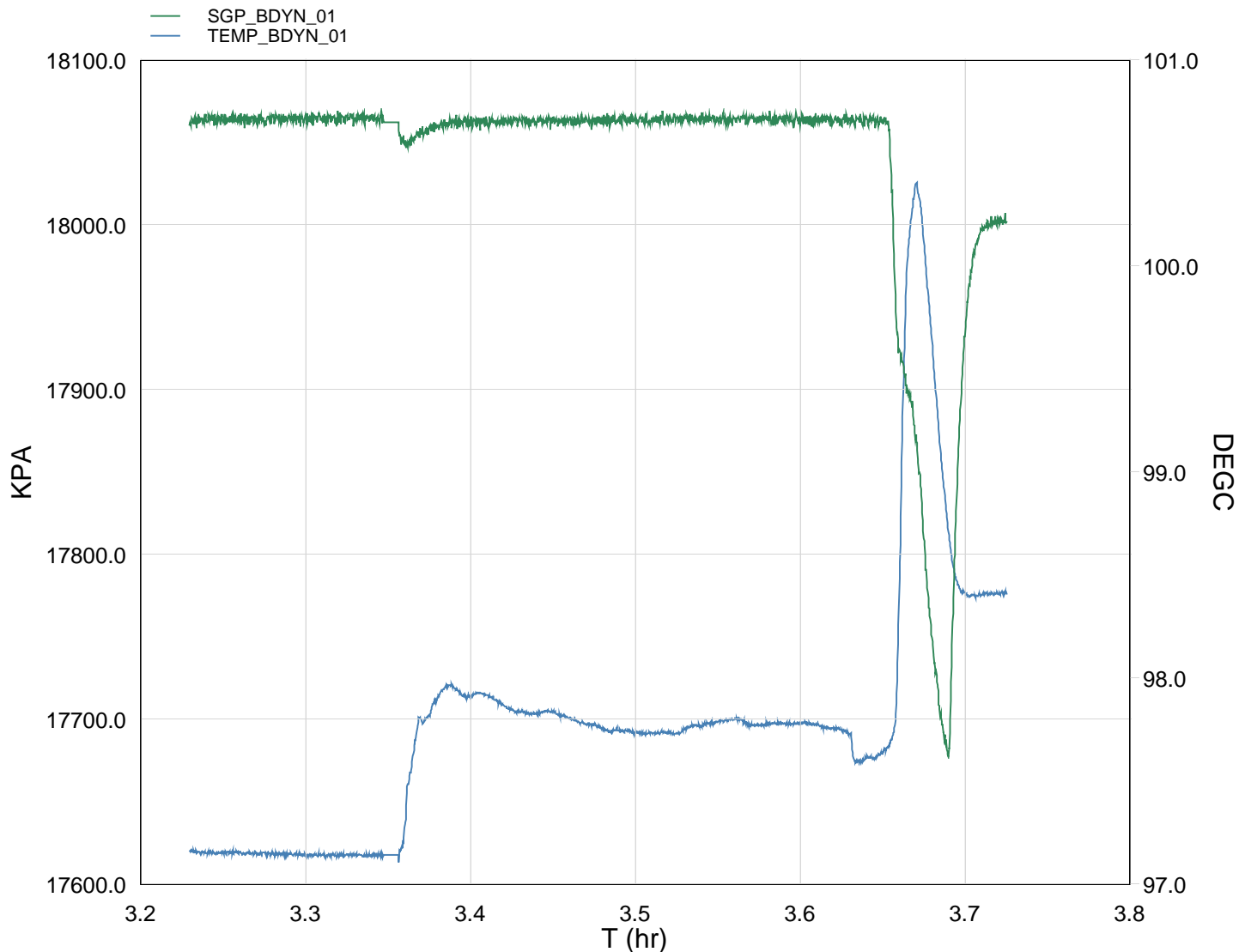
PRODUCER

24-Jun-2007 05:17

Schlumberger

Gun # 1 Fired @
2183.2m to 2186m MDKB

MAXIS Field Log



TIME TEMP_MWPT_S SGPA_SL

3360.0	206.88	2619.727
3420.0	206.88	2619.722
3480.0	206.87	2620.174
3540.0	206.86	2620.029
3600.0	206.88	2619.932
3660.0	206.85	2620.294
3720.0	206.85	2620.211
3780.0	206.86	2620.081
3840.0	206.86	2619.727
3900.0	208.01	2618.639
3960.0	208.34	2619.849
4020.0	208.27	2619.951
4080.0	208.15	2619.903
4140.0	208.09	2619.945
4200.0	208.09	2619.874
4260.0	208.01	2619.771
4320.0	207.96	2619.874
4380.0	207.91	2619.886
4440.0	207.92	2620.095
4500.0	207.98	2620.111
4560.0	208.04	2619.614
4620.0	207.99	2620.102
4680.0	208.01	2620.162
4740.0	208.00	2619.602
4800.0	207.96	2620.318
4860.0	207.69	2619.856
4920.0	207.86	2616.284
4980.0	212.64	2589.911
5040.0	209.92	2565.026
5100.0	209.13	2608.077
5160.0	209.15	2611.379



Gun Shoot Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A-1a

Output DLIS Files

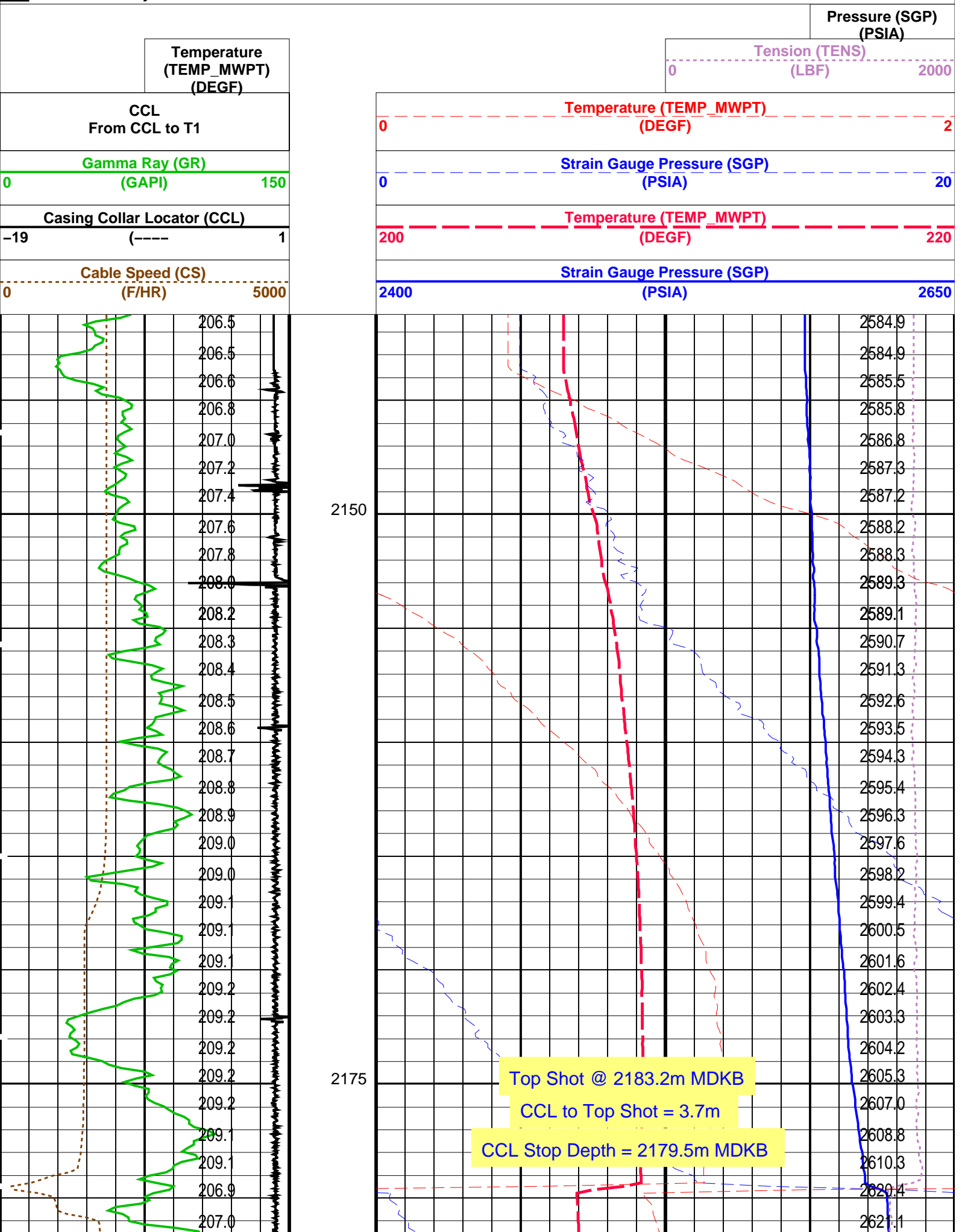
DEFAULT PERFO_018LUP FN:17 PRODUCER 24-Jun-2007 03:11 2186.3 M 2141.2 M

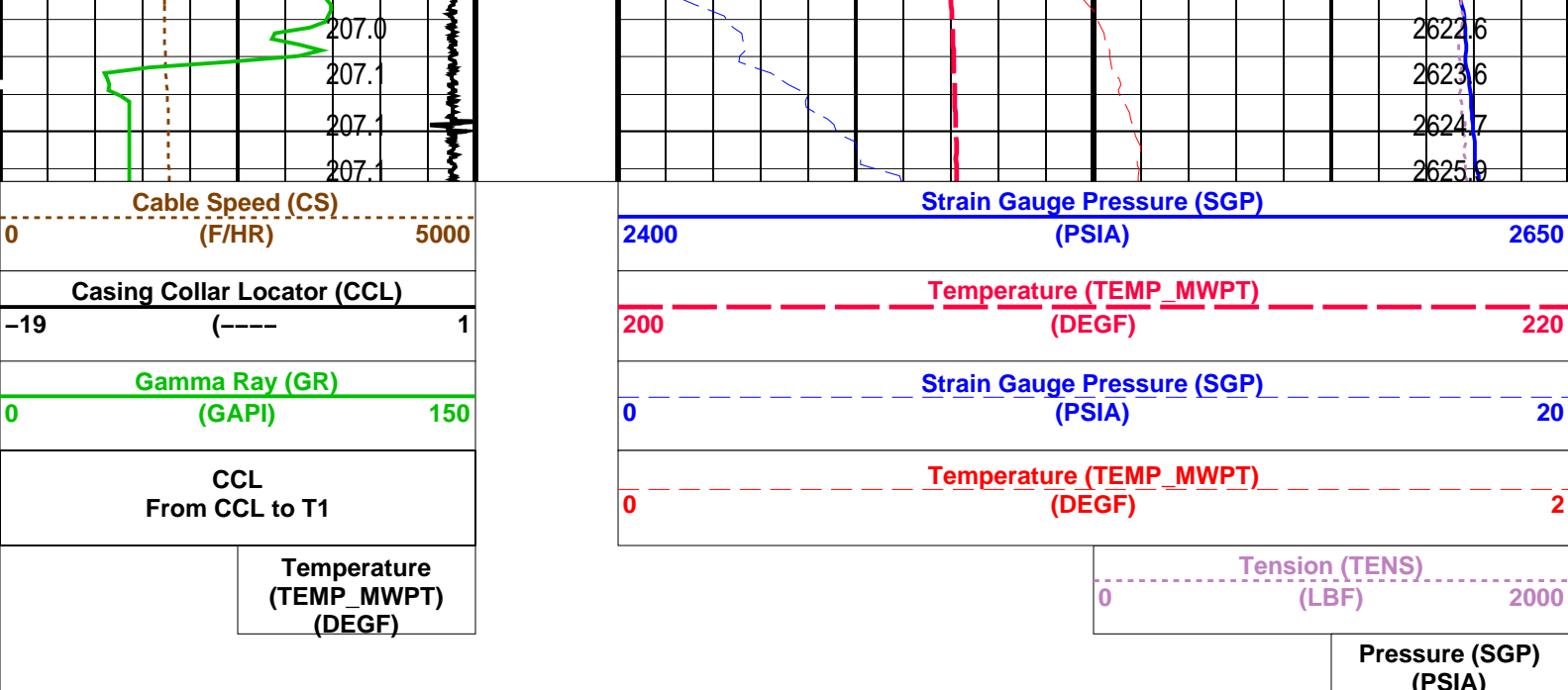
OP System Version: 14C0-302
MCM

MWP_GUN 14C0-302 MWPT-CA 14C0-302
MWGT-AA 14C0-302

PIP SUMMARY

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

Format: MWP Vertical Scale: 1:200 Graphics File Created: 24-Jun-2007 03:11


OP System Version: 14C0-302

MCM

MWP_GUN	14C0-302	MWPT-CA	14C0-302
MWGT-AA	14C0-302		

Output DLIS Files

DEFAULT	PERFO_018LUP	FN:17	PRODUCER	24-Jun-2007 03:11
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Gun Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A-1a

Output DLIS Files

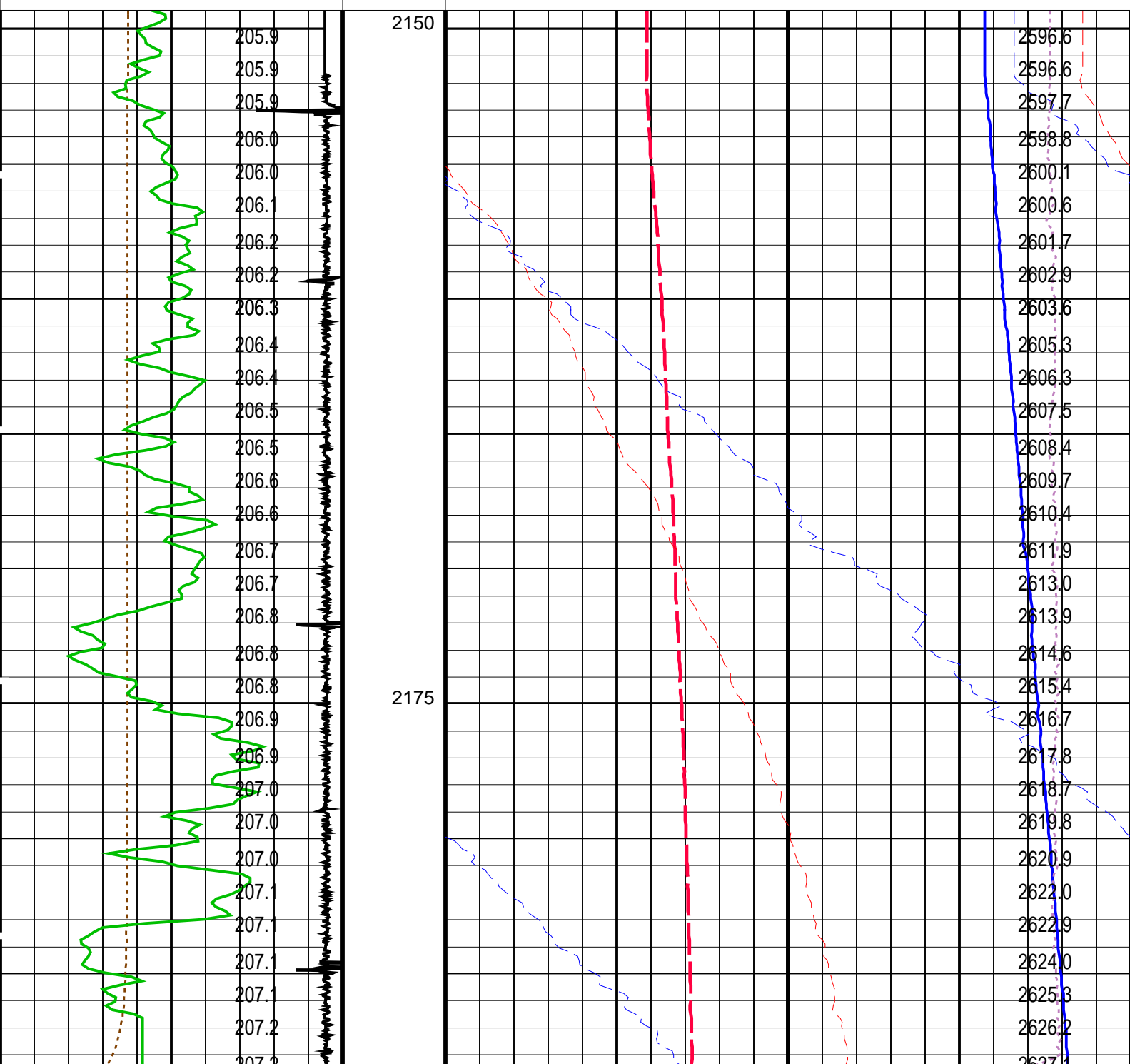
DEFAULT	PERFO_017LUP	FN:16	PRODUCER	24-Jun-2007 03:01	2188.6 M	2149.3 M
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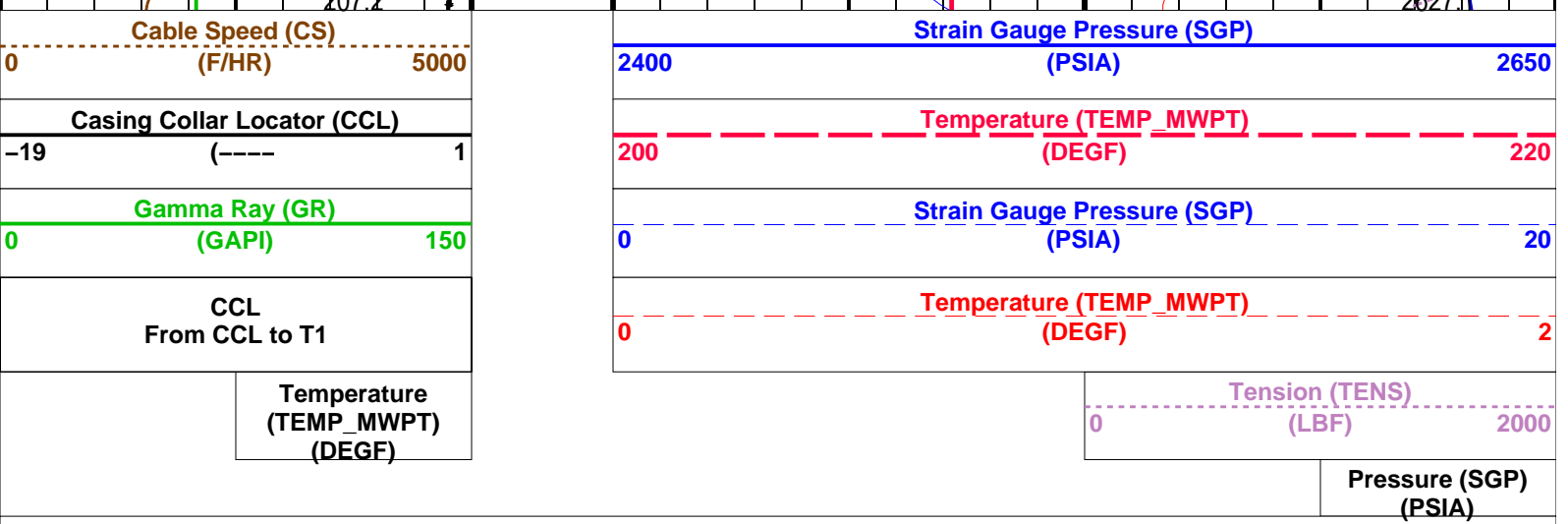
OP System Version: 14C0-302

MCM

MWP_GUN	14C0-302	MWPT-CA	14C0-302
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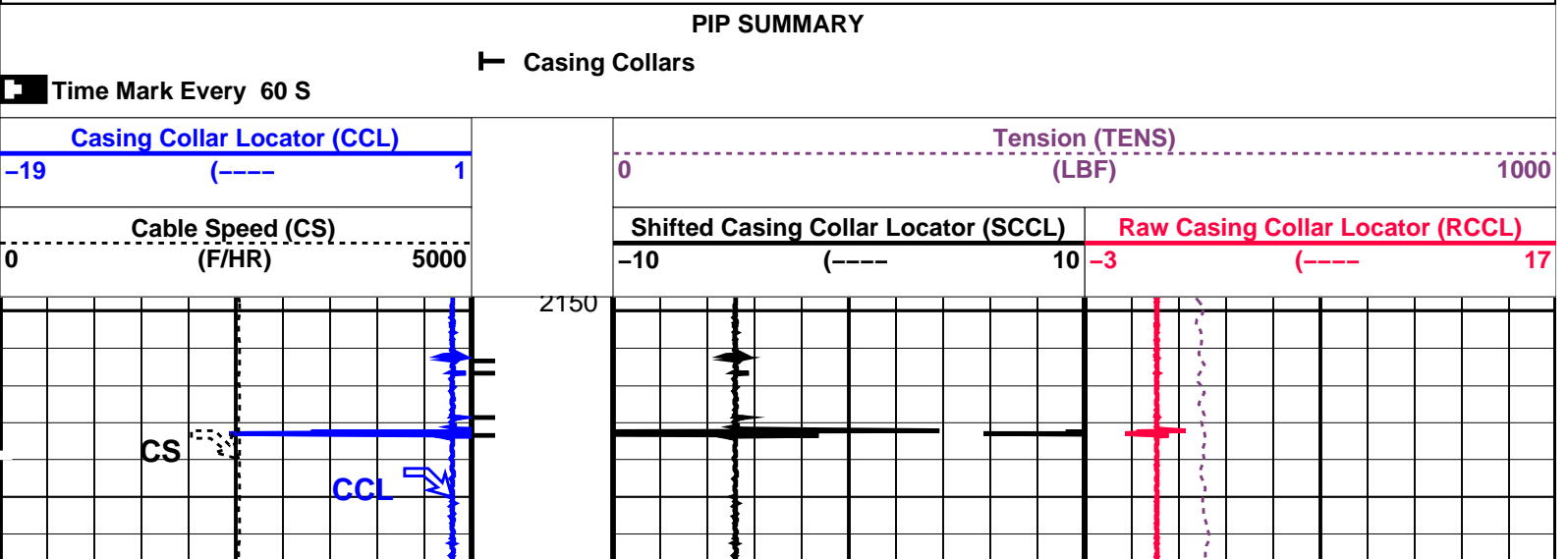
Temperature (TEMP_MWPT) (DEGF)		Pressure (SGP) (PSIA)	
CCL From CCL to T1		Tension (TENS) (LBF)	
Gamma Ray (GR) (GAPI)		02000	
Casing Collar Locator (CCL)		Temperature (TEMP_MWPT) (DEGF)	
-19-----1		02	
Cable Speed (CS) (F/HR)		Strain Gauge Pressure (SGP) (PSIA)	
05000		020	
		Temperature (TEMP_MWPT) (DEGF)	
		200220	
		Strain Gauge Pressure (SGP) (PSIA)	
		24002650	

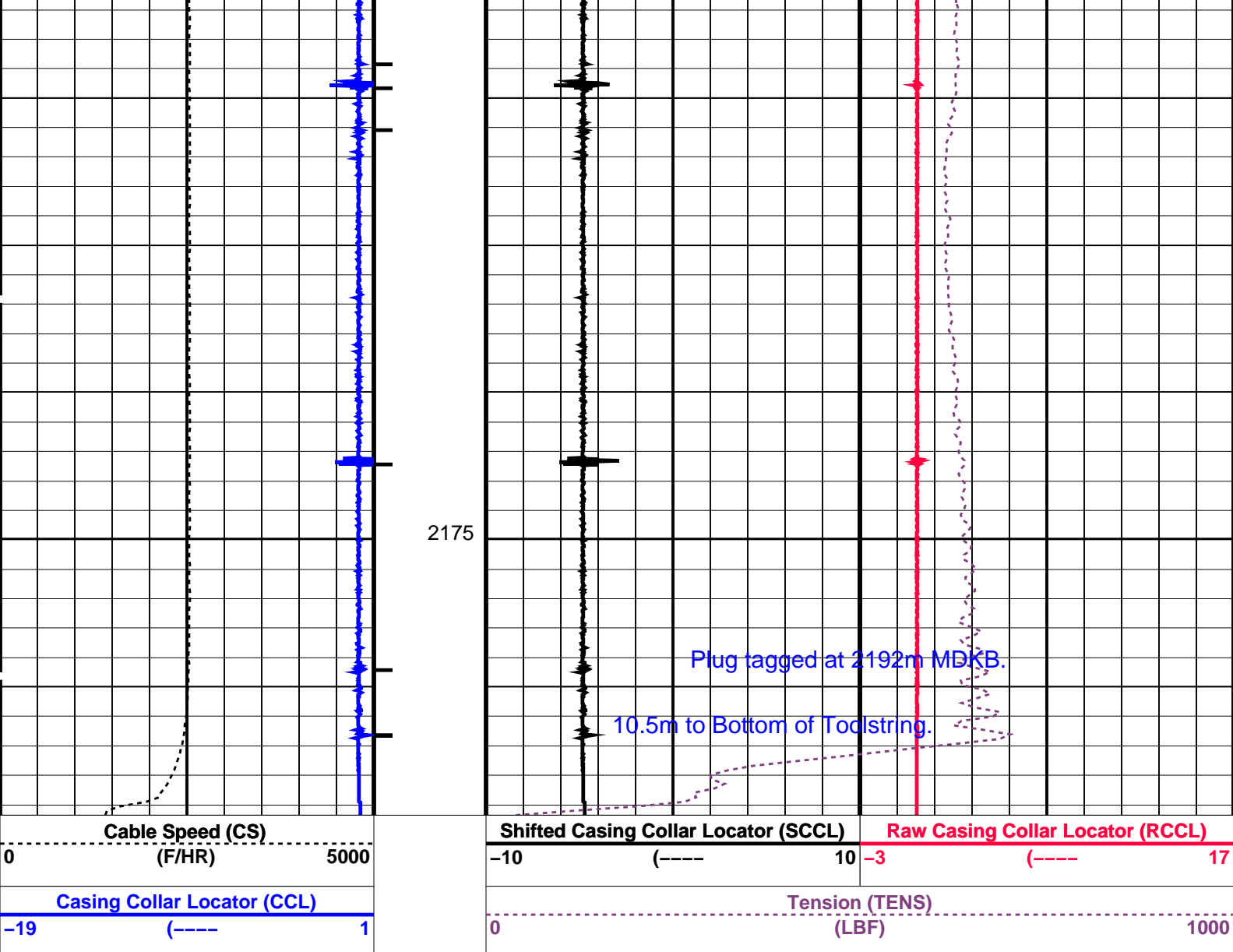




PIP SUMMARY			
Time Mark Every 60 S			
Parameters			
DLIS Name	Description	Value	
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL			
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0	DEG
FLD	Flow Line Density	1	G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS	
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0	DEGC
Format: MWP Vertical Scale: 1:200		Graphics File Created: 24-Jun-2007 03:01	
OP System Version: 14C0-302			
MCM			
MWP_GUN	14C0-302	MWPT-CA	14C0-302
MWGT-AA	14C0-302		
Output DLIS Files			
DEFAULT	PERFO_017LUP	FN:16 PRODUCER	24-Jun-2007 03:01

Output DLIS Files			
DEFAULT	PERFO_037LUP	FN:36 PRODUCER	24-Jun-2007 07:57 2184.3 M 2149.6 M
OP System Version: 14C0-302			
MCM			
SHM_GUN	14C0-302	CCL-L	14C0-302





PIP SUMMARY

Time Mark Every 60 S

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: 24-Jun-2007 07:57

OP System Version: 14C0-302

MCM

SHM_GUN 14C0-302 CCL-L 14C0-302

Output DLIS Files

DEFAULT PERFO_037LUP FN:36 PRODUCER 24-Jun-2007 07:57

Company: Esso Australia Pty Ltd.

Schlumberger

Well: A-1a
Field: Bream A

Rig : **Prod4 / Crane**
Country: **Australia**

2 1/8" Powerjet Perforation
7"HPI Plug
Setting Record