

Company: Esso Australia Pty Ltd.

Well: A-14a
Field: Bream A
Rig : Prod4 / Crane
Country: Australia

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

Prod4 / Crane
Bream A
Gippsland
A-14a
Esso Australia Pty Ltd.

LOCATION		Elev.: K.B. 32.82 m G.L. -59 m D.F. 32.82 m
Gippsland		
Basin		
Bass Strait		
Permanent Datum:	M.S.L.	Elev.: 0 m
Log Measured From:	D.F.	32.8 m above Perm. Datum
Drilling Measured From:	D.F.	
State : Victoria	Max. Well Deviation 49 deg	Longitude 147 46'15"E
		Latitude 038 30'04"S

Logging Date	29-Jun-2007
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Run Number	1 thru 3
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Depth Driller	2983 m
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Schlumberger Depth	2525 m
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Bottom Log Interval	2525 m
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Top Log Interval	2475 m
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Casing Fluid Type	Production Fluids
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Salinity	
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Density	
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Fluid Level	1070 m
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BIT/CASING/TUBING STRING	
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Bit Size	8.500 in
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From	
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To	
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Casing/Tubing Size	7.000 in
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Weight	26 lbm/ft
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Grade	L-80
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From	12.3 m
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To	3061.29 m
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Maximum Recorded Temperatures	206 degF	
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Logger On Bottom	29-Jun-2007	19:43
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Unit Number	889	Prod4 / Ausl
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Recorded By	G Wright & S Gilbert.
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Witnessed By	G Rimmer.
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Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation			49 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	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

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

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

<ol style="list-style-type: none">1. IDW used as primary depth control.2. Z-chart used as secondary backup3.4.5.6.

























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Top Shot @ 2483.9m MDKB
CCL to Top Shot = 3.5m
CCL Stop Depth = 2480.4m MDKB
Top of Seal @ 2498m MDKB
CCL to Top of Seal = 10.5m
CCL Stop Depth = m 2487.5MDKB
Crew : J Light,C Shiells,K Kerr,A Hall.

RUN 1			RUN 2		
SERVICE ORDER #:	Ausl07484932		SERVICE ORDER #:		
PROGRAM VERSION:	14C0-302		PROGRAM VERSION:		
FLUID LEVEL:	1070 m		FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

[illegible]

RUN 1		RUN 2	
WITM (SHM) 1	SURFACE EQUIPMENT	MWPM-. 3000	SURFACE EQUIPMENT

DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
SWBS-B 761		14.34	SWBS-B 761		14.98
SWBS-B 762		13.66	SWBS-B 762		14.29
SWBS-B 763		12.97	SWBS-B 763		13.61
SWHS-B 726		12.29	SWHS-A 726		12.92
CCL-L 4191 CCL-L 4191	 Tension CCL	11.96	TOOL ZERO		
SHM_GUN 1		11.50	AH-124 1001		12.59
AH-X-Over SLB-GO 1		11.50	MWGT-AA 69 MWPG-AA 69 MWGH-AA 69	 MWPG GR	12.39
AH-Electro Hydraulic Actuator 1 AH-Electro Hydraulic Actuator 1		11.35	MWPT-CA 74 MWPH-AA 74 MWPS-AA 74		11.41
AH-Filter Section 1 AH-Filter Section 1		10.80		 CCL SMWP Pres SMWP Temp Tension	
AH-Snorkel Section 1 AH-Snorkel Section 1		10.02	TOOL ZERO		
			AH-Flex Joint 41 AH-Flex Joint 41		8.59
			AH-122 7002		8.03
			AH-SAH-G 1035 AH-SAH-G 1035		7.93
AH-Hydraulic Section 2 AH-Hydraulic Section 2		7.49	MPD-MB 268 MPD-MB 268		7.47
			ALL FCIG 15012003		6.93

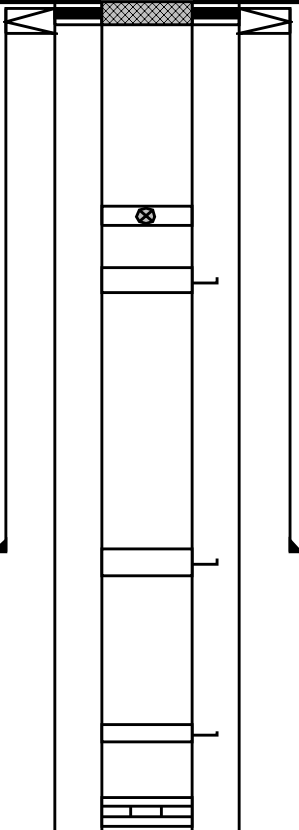
6.93

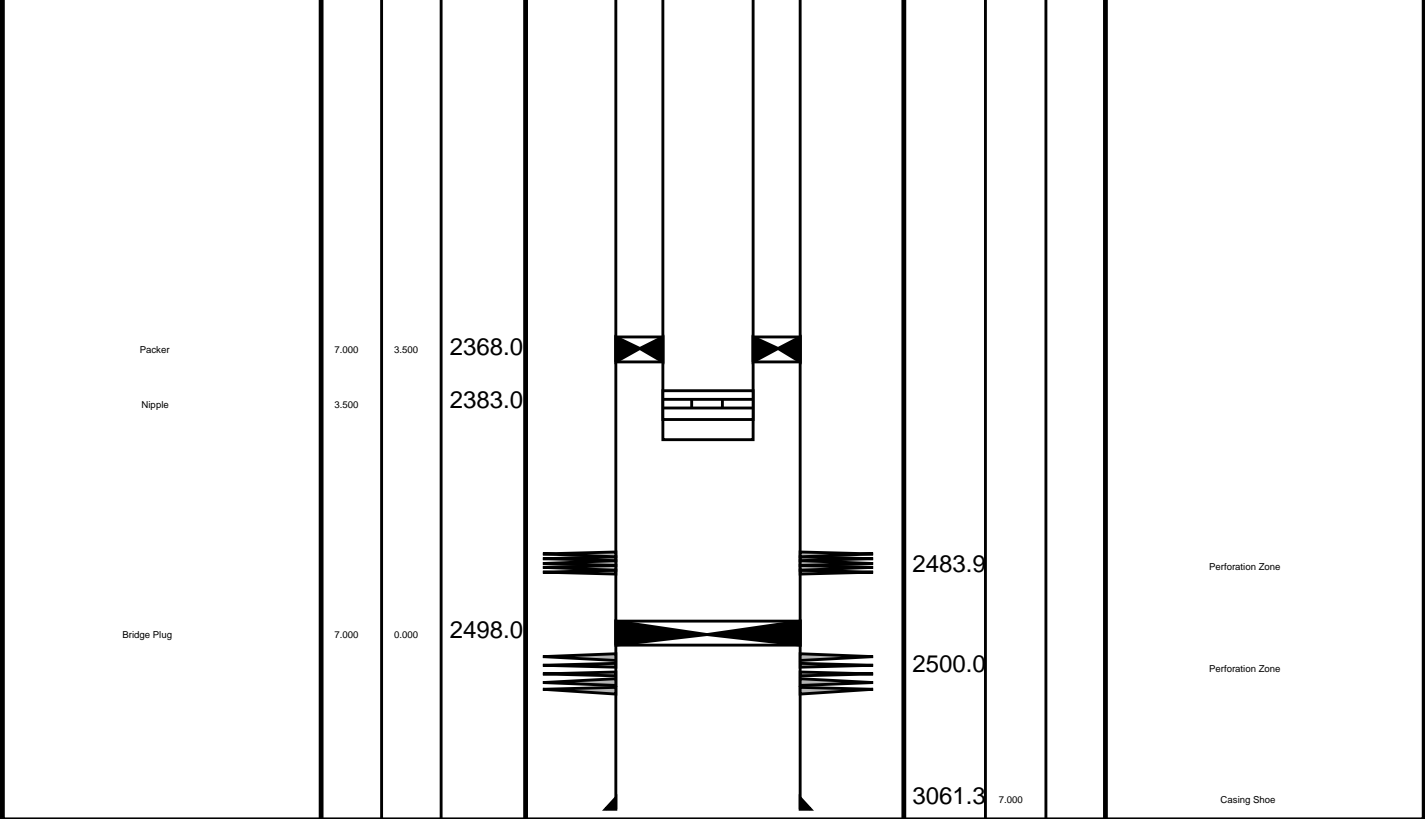
6.48

2.61

TOOL BOTTOM

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

Production String	(in)		(m)	Well Schematic	(m)		(in)	Casing String
	OD	ID	MD		MD	OD	ID	
Tubing	3.500		11.0		12.4	10.750	Casing String	
Tubing Hanger	7.000	3.500	9.0		12.3	10.750	7.000	Liner Hanger
Shutin Valve	3.500		448.0					
Gas Lift Mandrel	3.500		554.0					
Gas Lift Mandrel	3.500		1054.0			993.0	10.750	Casing Shoe
Gas Lift Mandrel	3.500		1330.0					
Nipple	3.500		1347.0					



Job Event Summary

MAXIS Field Log

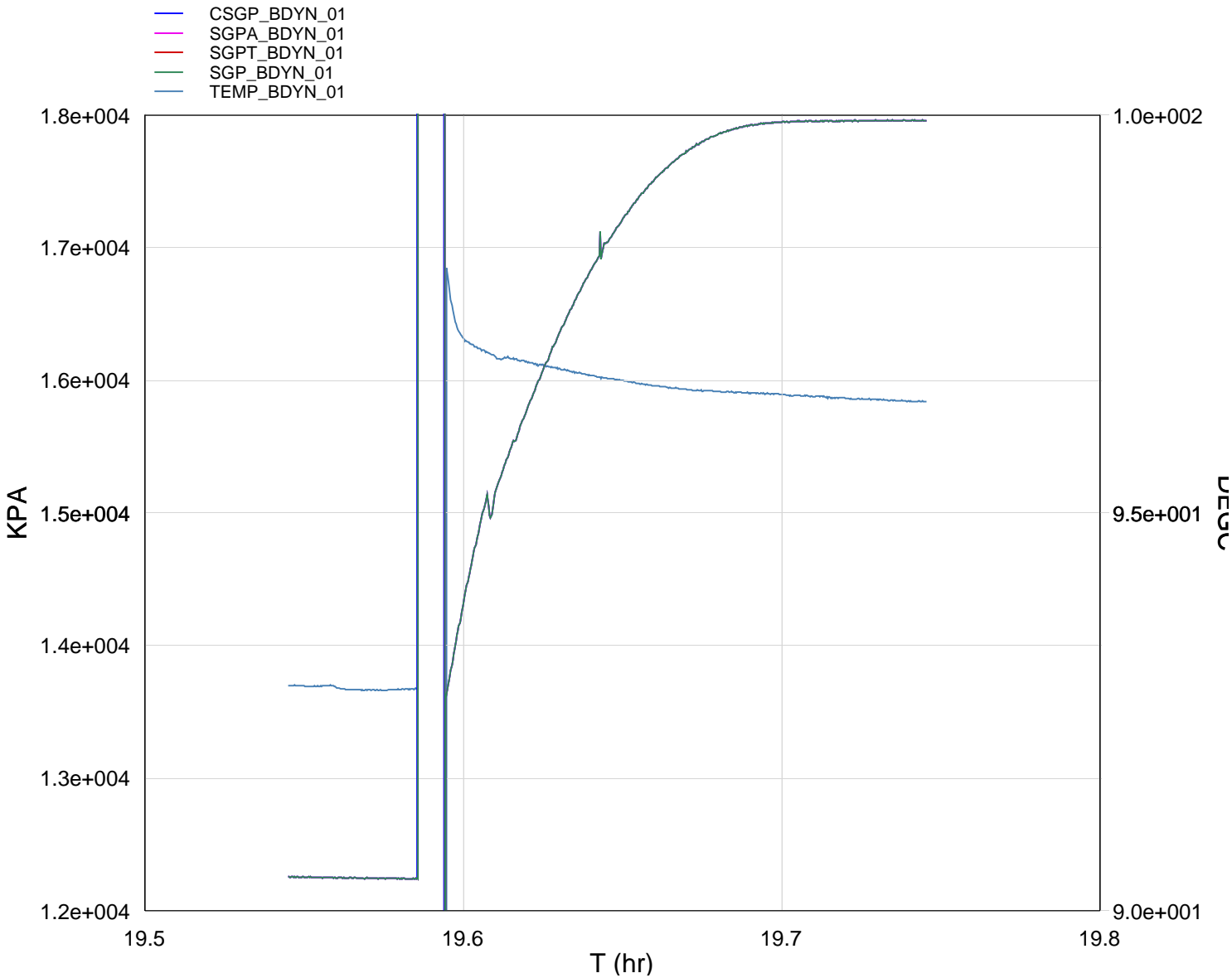
Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Log Pass (up)	29-Jun-2007 12:15	000:05	2505.6 – 2431.7	PSP_020LUP
Log Pass (up)	29-Jun-2007 14:56	000:02	2507.3 – 2458.2	PERFO_027LUP
Log Pass (up)	29-Jun-2007 14:58	000:13	2505.0 – 2455.8	PERFO_028LUP
Log Pass (up)	29-Jun-2007 15:12	000:02	2491.4 – 2447.2	PERFO_029LUP
Log Pass (up)	29-Jun-2007 19:21	000:03	2457.1 – 2433.8	PERFO_040LUP
Log Pass (up)	29-Jun-2007 19:30	000:20	2489.1 – 2432.8	PERFO_042LUP
Station Log	29-Jun-2007 19:32	000:12	2480.4 – 1.8	PERFO_043LTP



Gun # 1 Fired @
2483.9m to 2489.9m MDKB

MAXIS Field Log



TIME TEMP_MWPT_S SGPA_SL
L

2040.0	199.08	1777.200
2100.0	199.00	1776.169
2160.0	198473.30	88188.734
2220.0	206.82	2124.267
2280.0	206.42	2284.458
2340.0	206.17	2415.657
2400.0	205.97	2510.315
2460.0	205.80	2569.249
2520.0	205.70	2588.828

2520.0	205.73	2596.336
2580.0	205.66	2603.483
2640.0	205.61	2604.253
2700.0	205.54	2605.018

Schlumberger

Gun # 1
2483.9m to 2489.9m MDKB

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-14a

Output DLIS Files

DEFAULT PERFO_042LUP FN:41 PRODUCER 29-Jun-2007 19:30 2489.1 M 2432.8 M

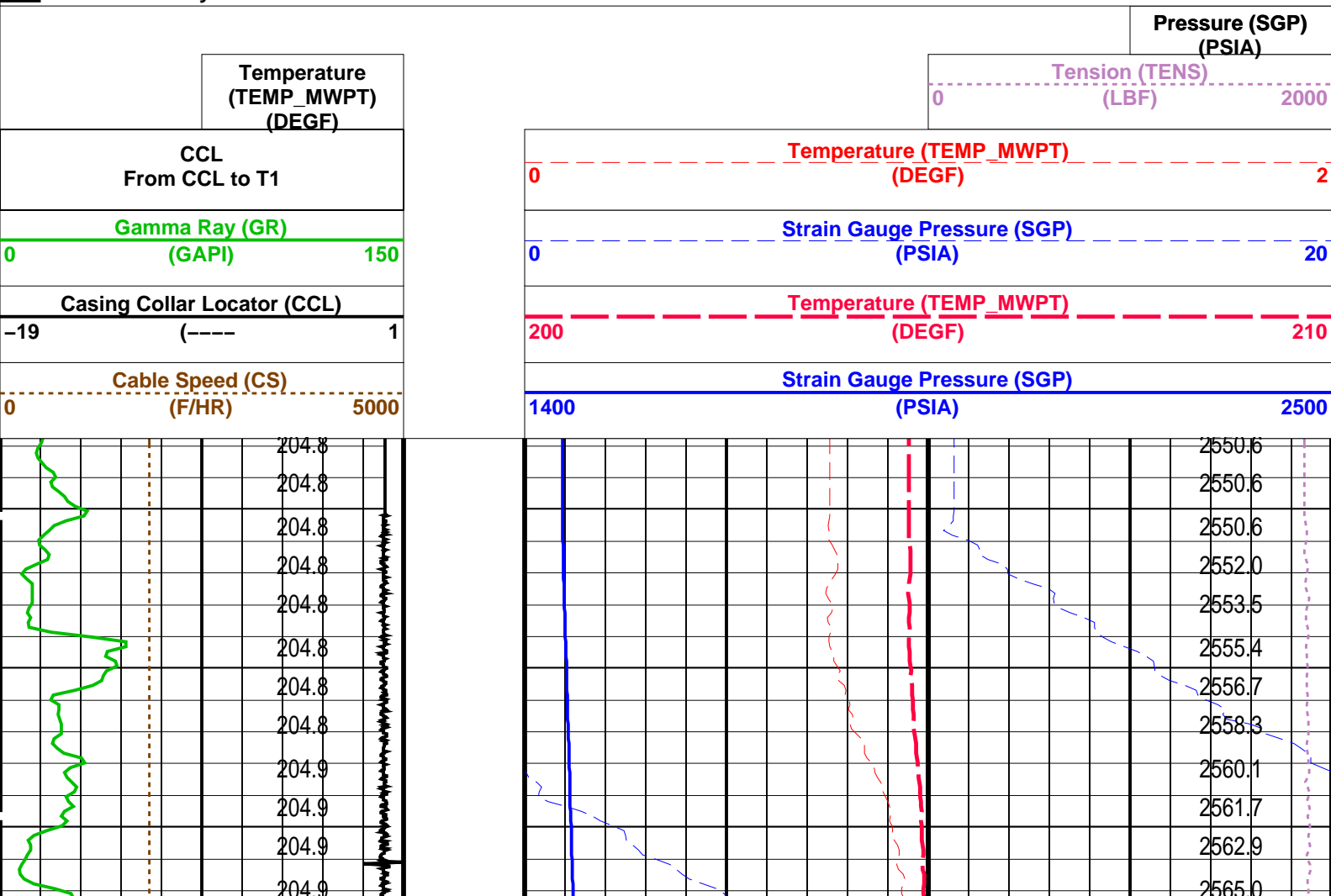
OP System Version: 14C0-302

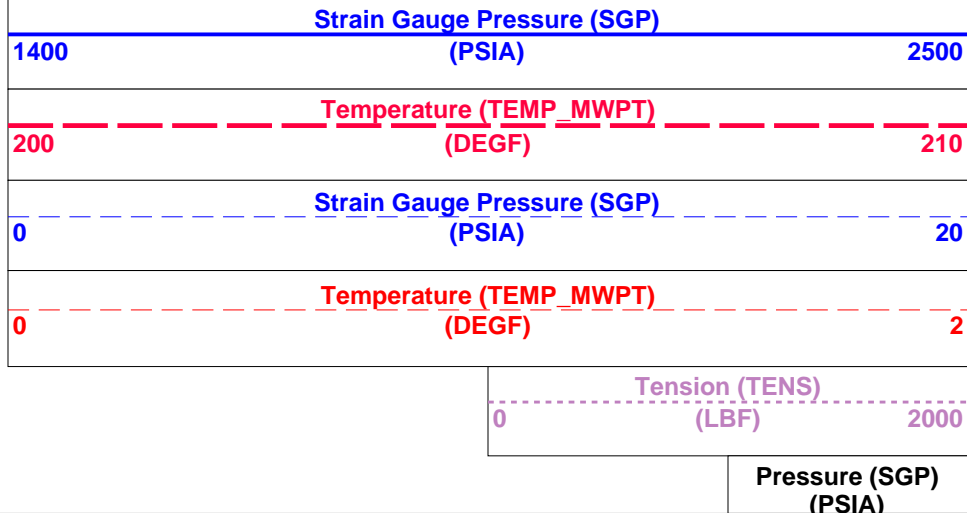
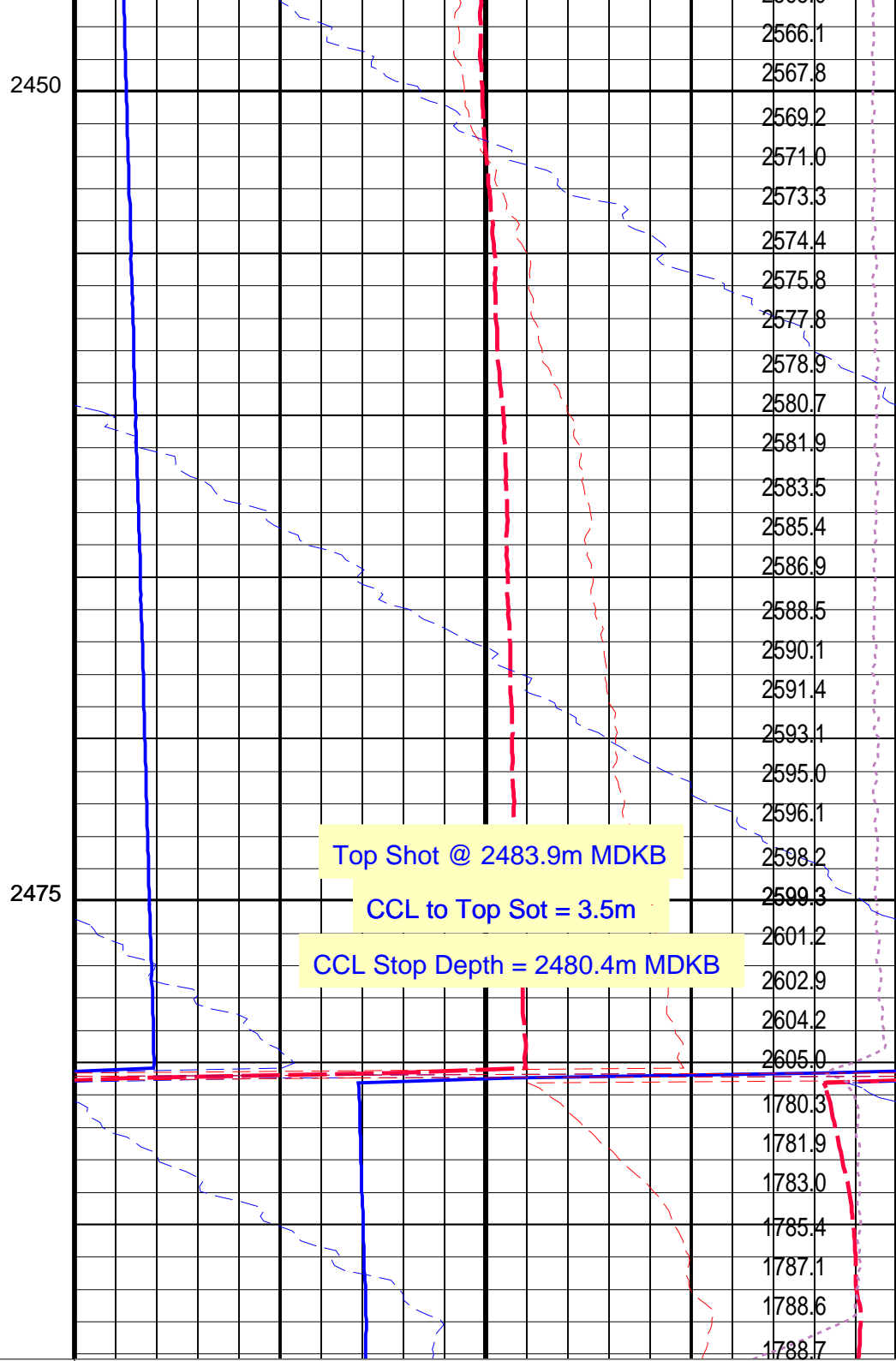
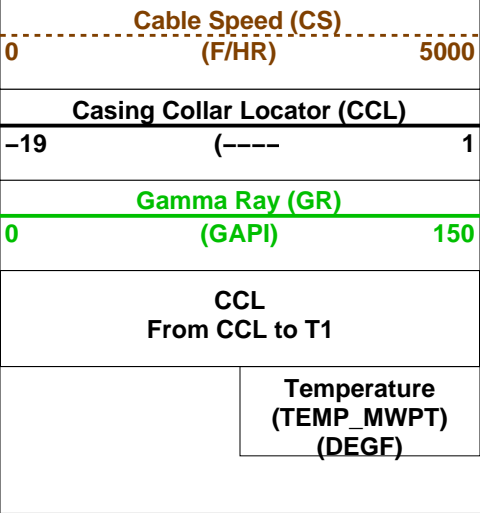
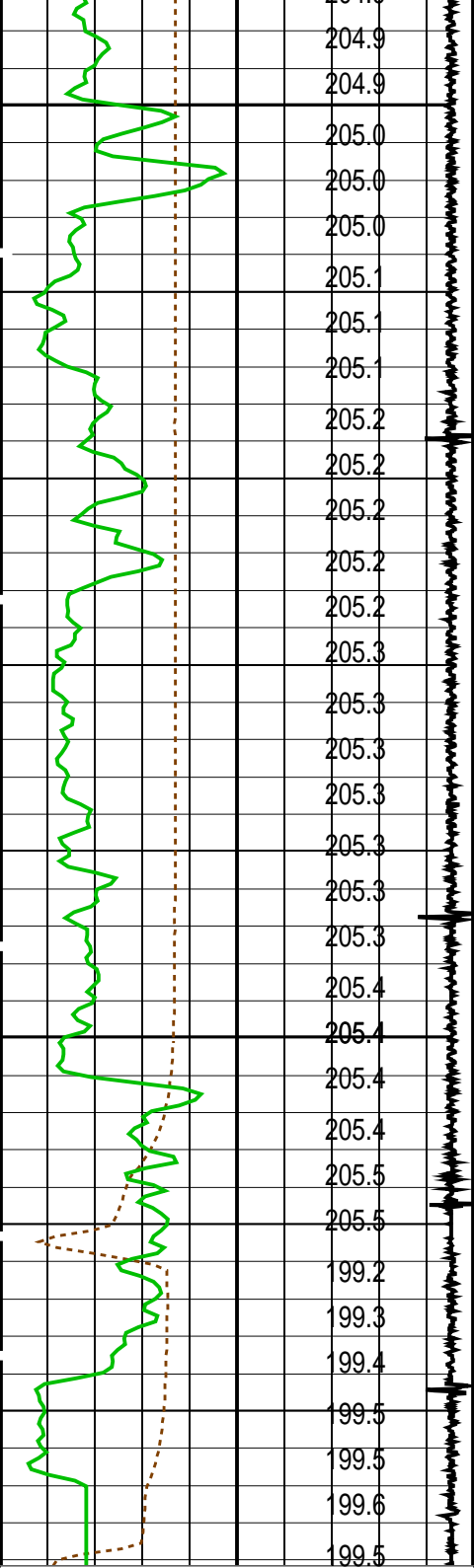
MCM

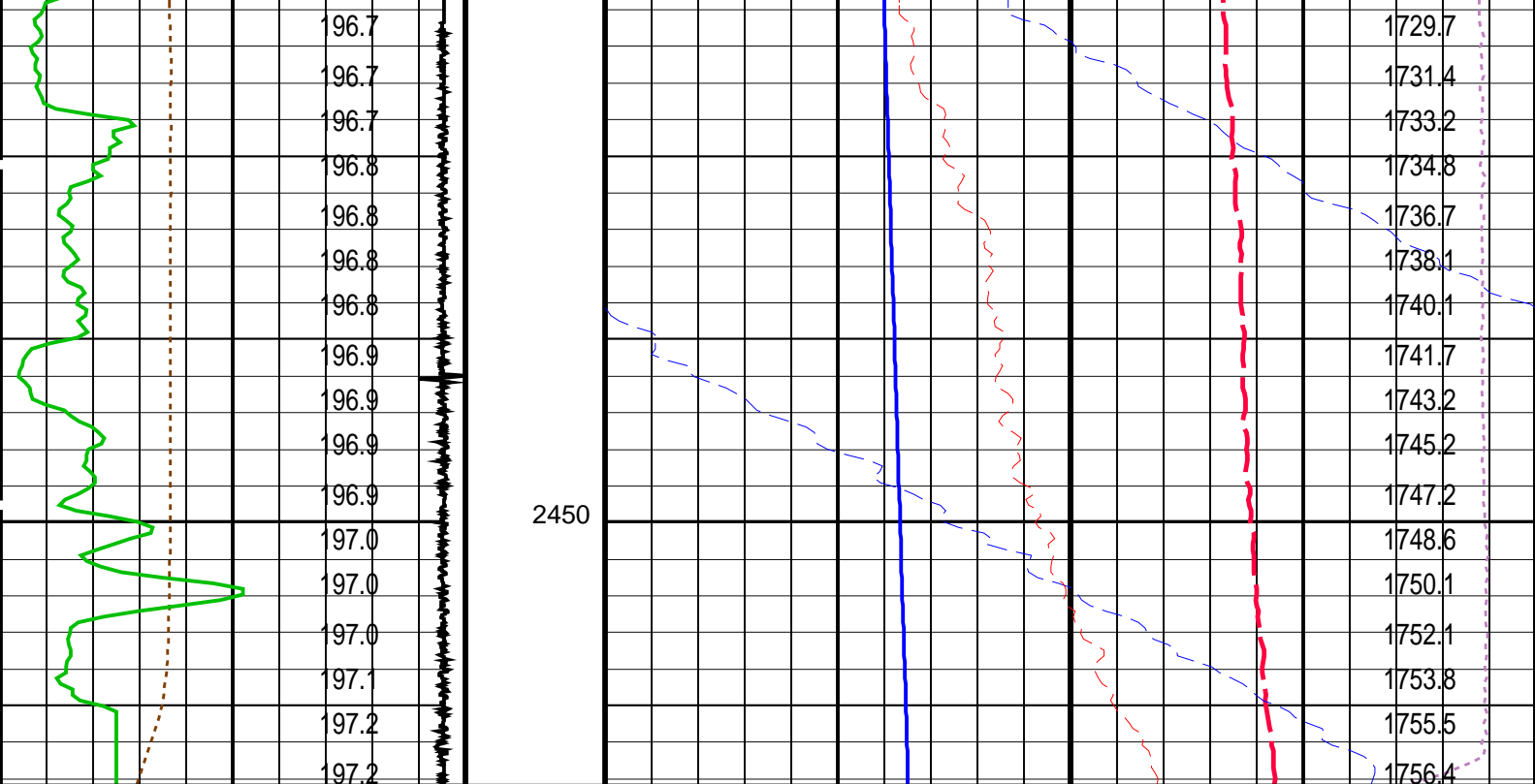
MWP_GUN	14C0-302	MWPT-CA	14C0-302
MWGT-AA	14C0-302		

PIP SUMMARY

☐ Time Mark Every 60 S







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)	
		Temperature (TEMP_MWPT) (DEGF)	
		Strain Gauge Pressure (SGP) (PSIA)	
		Temperature (TEMP_MWPT) (DEGF)	
		Tension (TENS) (LBF)	
		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

Format: MWP Vertical Scale: 1:200 Graphics File Created: 29-Jun-2007 19:21

OP System Version: 14C0-302			
MCM			
MWP_GUN	14C0-302	MWPT-CA	14C0-302
MWGT-AA	14C0-302		

Output DLIS Files			
DEFAULT	PERFO_040LUP	FN:39 PRODUCER	29-Jun-2007 19:21

Output DLIS Files

DEFAULT PERFO_029LUP FN:28 PRODUCER 29-Jun-2007 15:12 2491.4 M 2447.2 M

OP System Version: 14C0-302
MCM

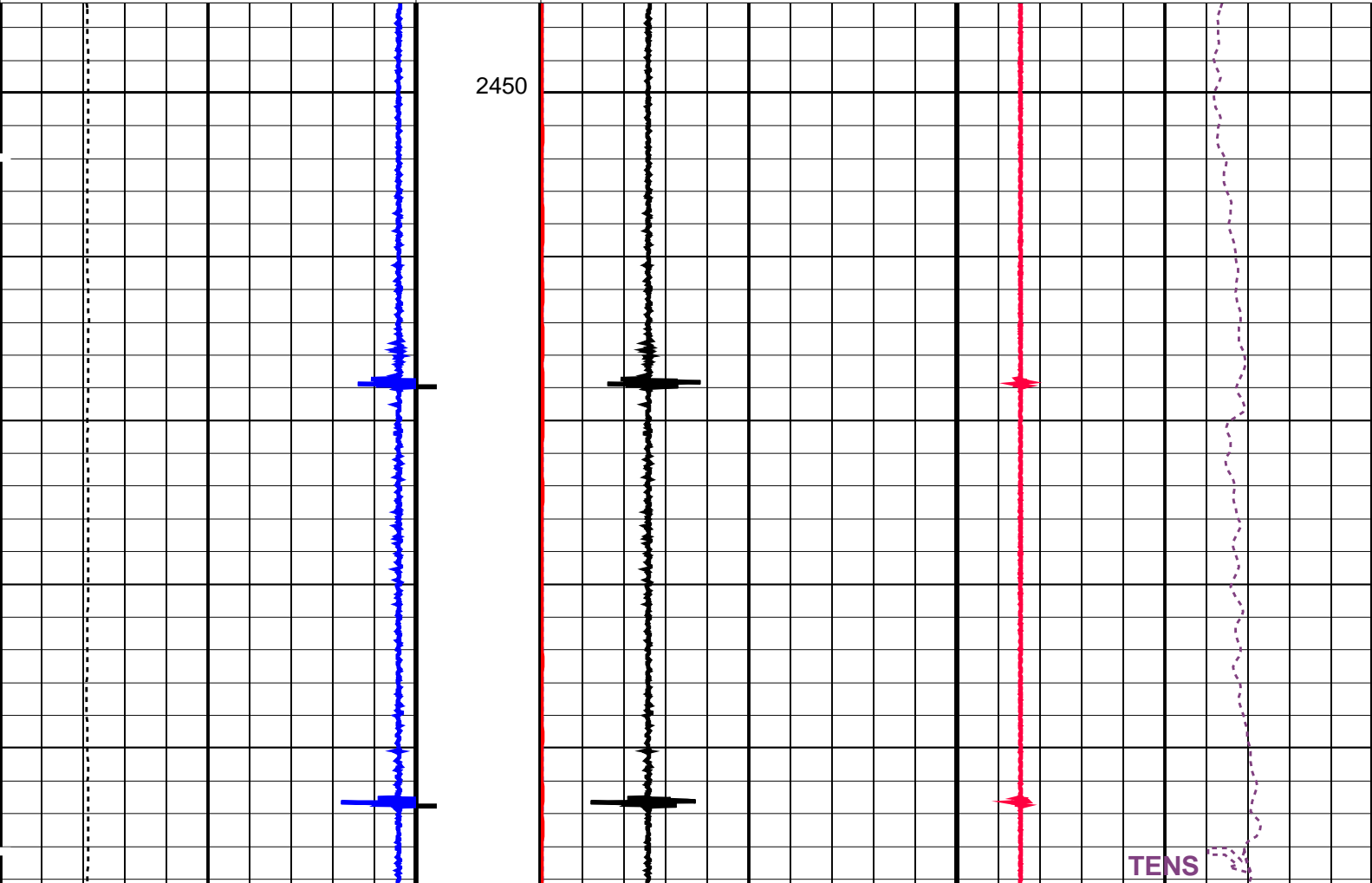
SHM_GUN 14C0-302 CCL-L 14C0-302

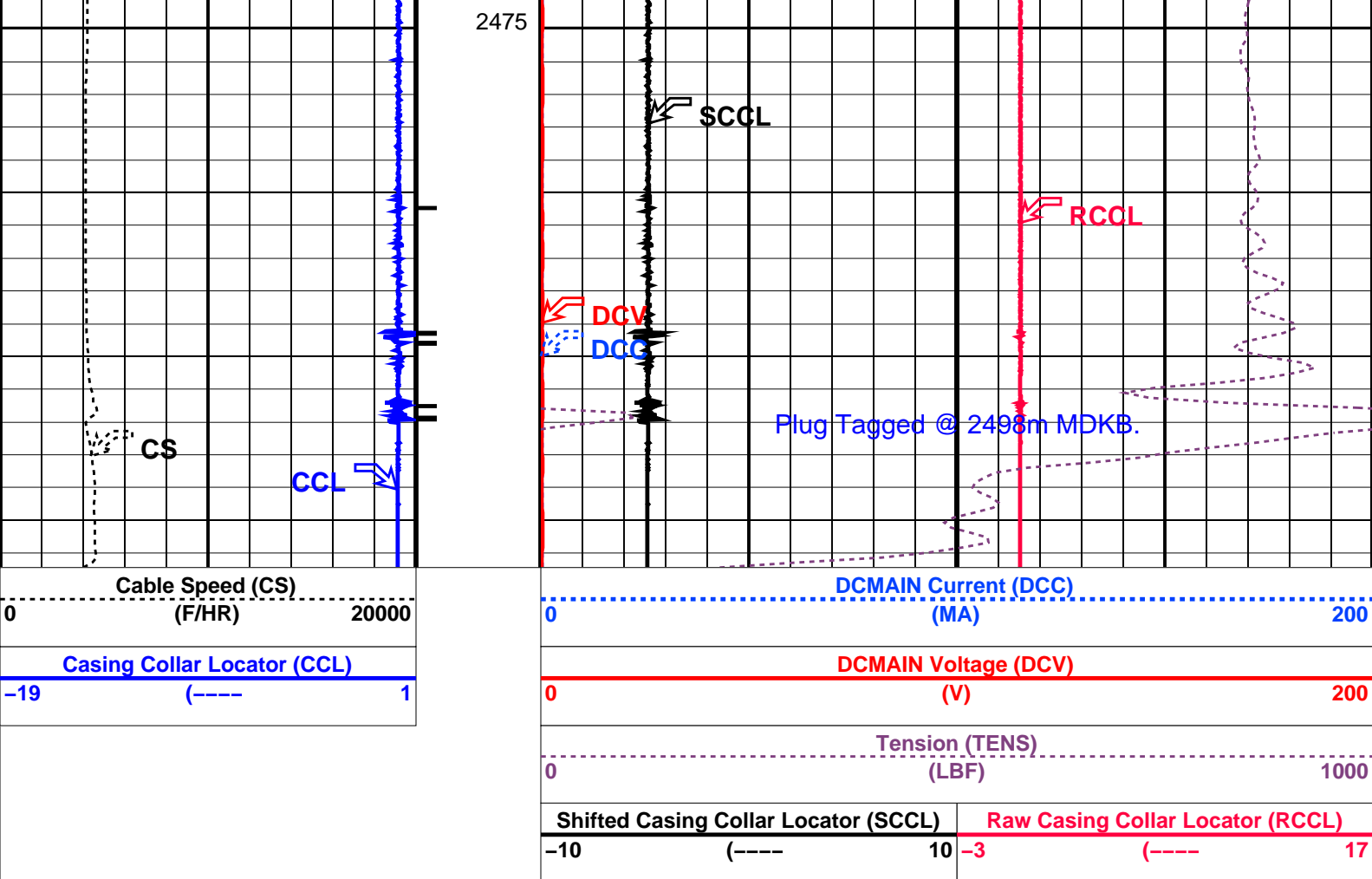
PIP SUMMARY

Casing Collars

Time Mark Every 60 S

		Shifted Casing Collar Locator (SCCL)		Raw Casing Collar Locator (RCCL)				
		-10	(----	10	-3 (----	17		
		Tension (TENS)						
		(LBF)						
		0	1000					
	Casing Collar Locator (CCL)	DCMAIN Voltage (DCV)						
	-19	(----	1	0	(V)		200	
	Cable Speed (CS)	DCMAIN Current (DCC)						
	(F/HR)	(MA)						
	0	20000				0	200	





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: 29-Jun-2007 15:12

OP System Version: 14C0-302			
MCM			
SHM_GUN	14C0-302	CCL-L	14C0-302

Output DLIS Files			
DEFAULT	PERFO_029LUP	FN:28 PRODUCER	29-Jun-2007 15:12



7" HPI Plug Set @ 2498m MDKB

Output DLIS Files

DEFAULT

PERFO_028LUP

FN:27

PRODUCER

29-Jun-2007 14:58

2505.0 M

2455.8 M

OP System Version: 14C0-302

MCM

SHM_GUN

14C0-302

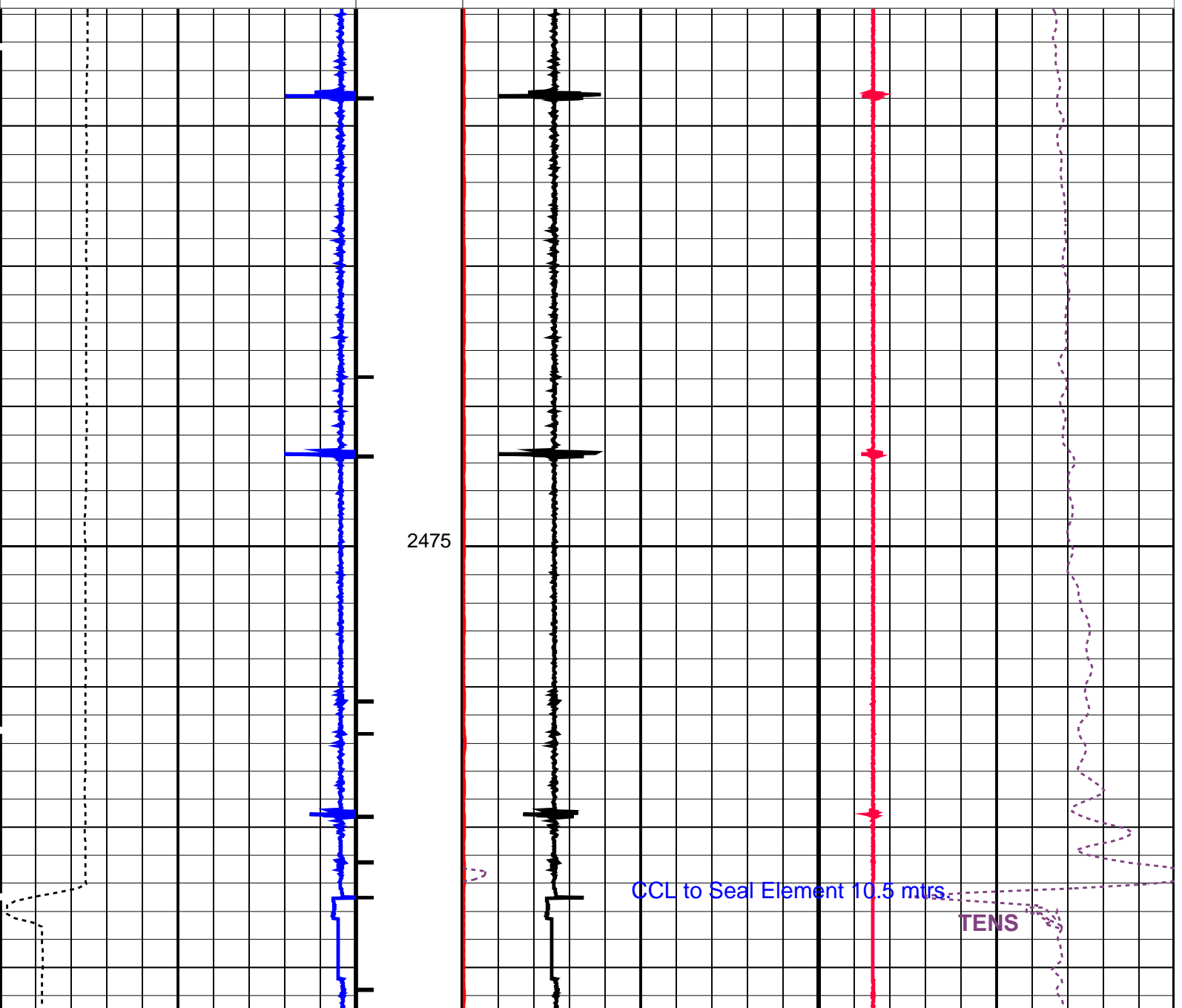
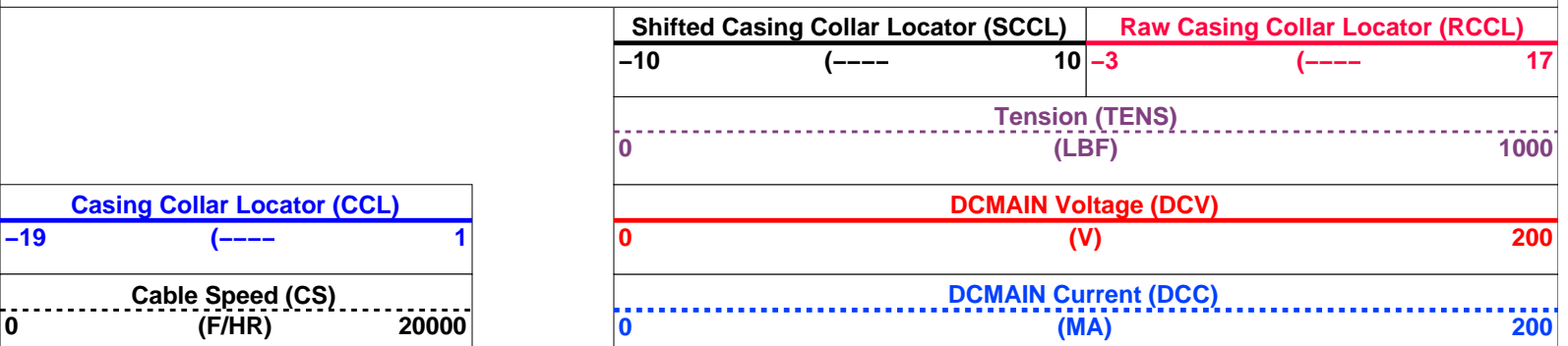
CCL-L

14C0-302

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S



OP System Version: 14C0-302

MCM

SHM_GUN

14C0-302

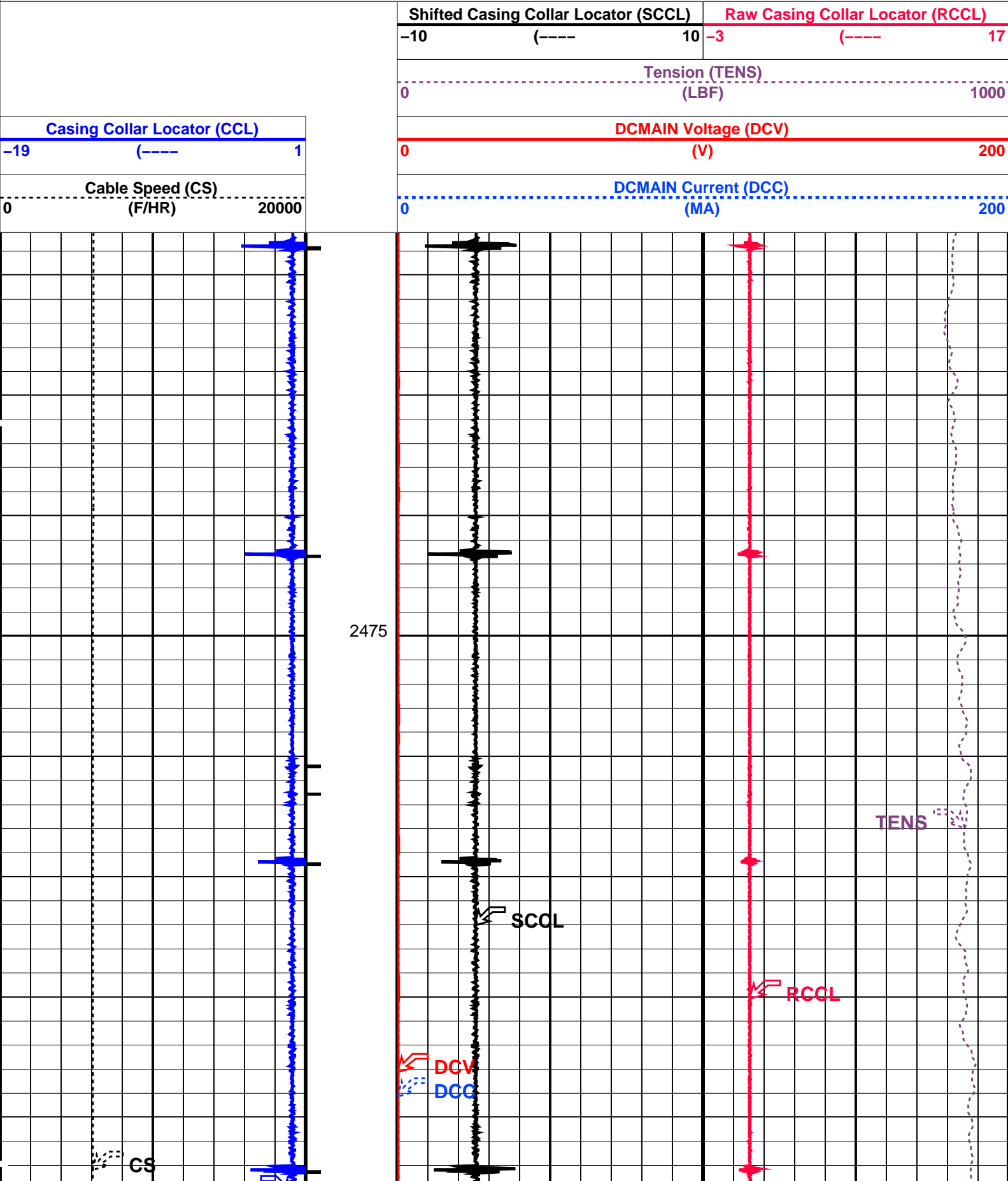
CCL-L

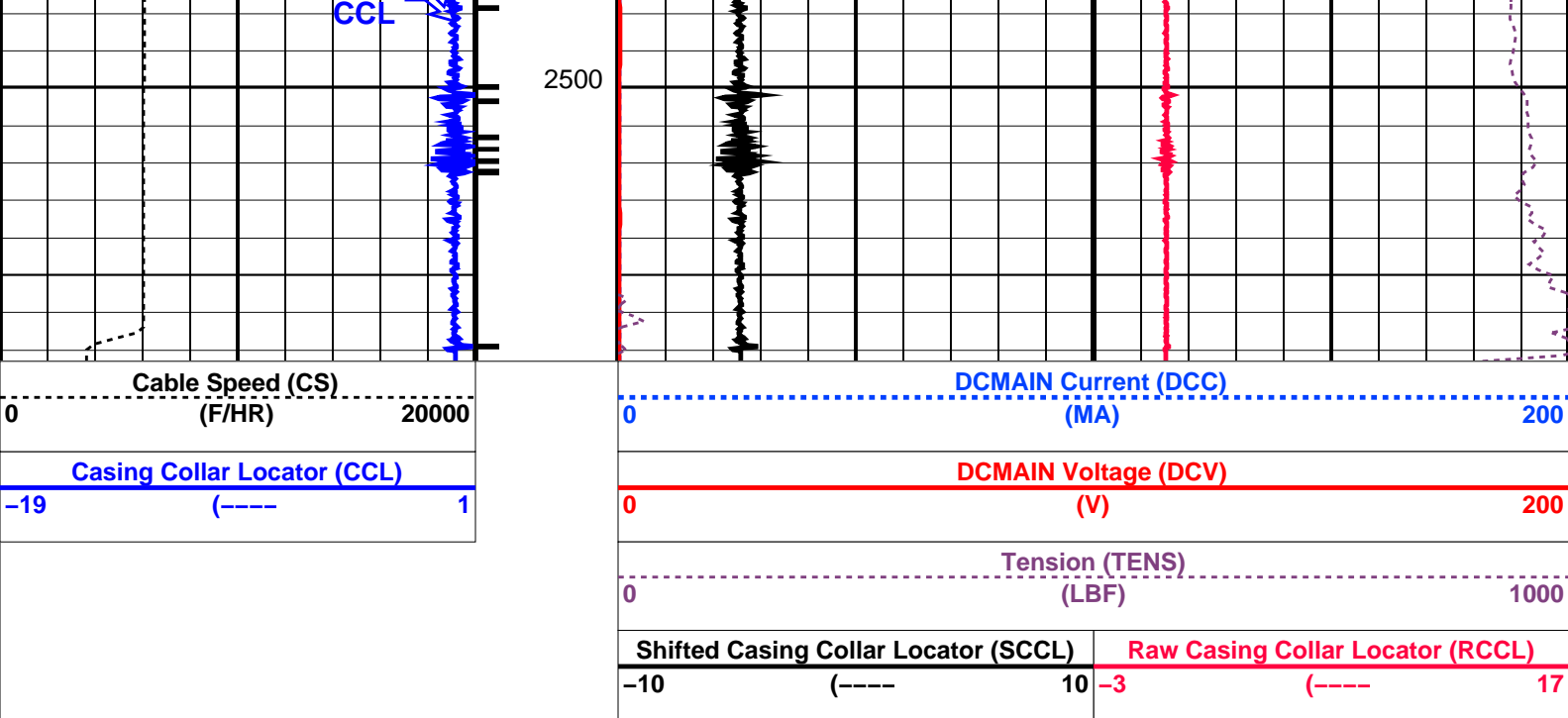
14C0-302

PIP SUMMARY

Casing Collars

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S


Casing Collars

Parameters		
DLIS Name	Description	Value
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: 29-Jun-2007 14:56

OP System Version: 14C0-302			
MCM			
SHM_GUN	14C0-302	CCL-L	14C0-302

Output DLIS Files			
DEFAULT	PERFO_027LUP	FN:26	PRODUCER 29-Jun-2007 14:56



7"HPI Dummy Plug Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A-14a

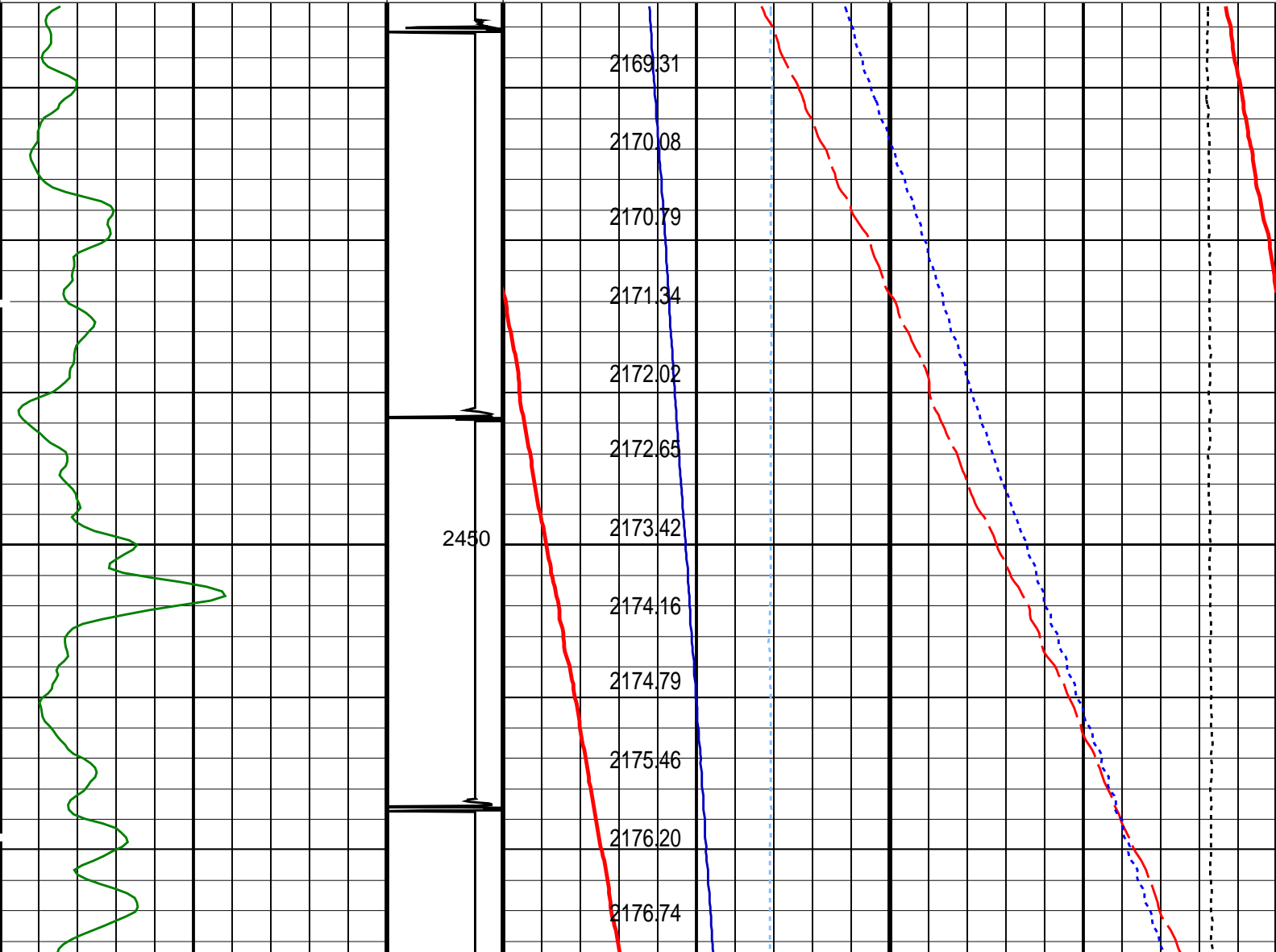
Input DLIS Files					
DEFAULT	PSP_020LUP	FN:19	PRODUCER	29-Jun-2007 12:15	2505.6 M 2431.7 M
Output DLIS Files					
DEFAULT	PSP_021PUP	FN:20	PRODUCER	29-Jun-2007 12:25	2505.6 M 2432.2 M

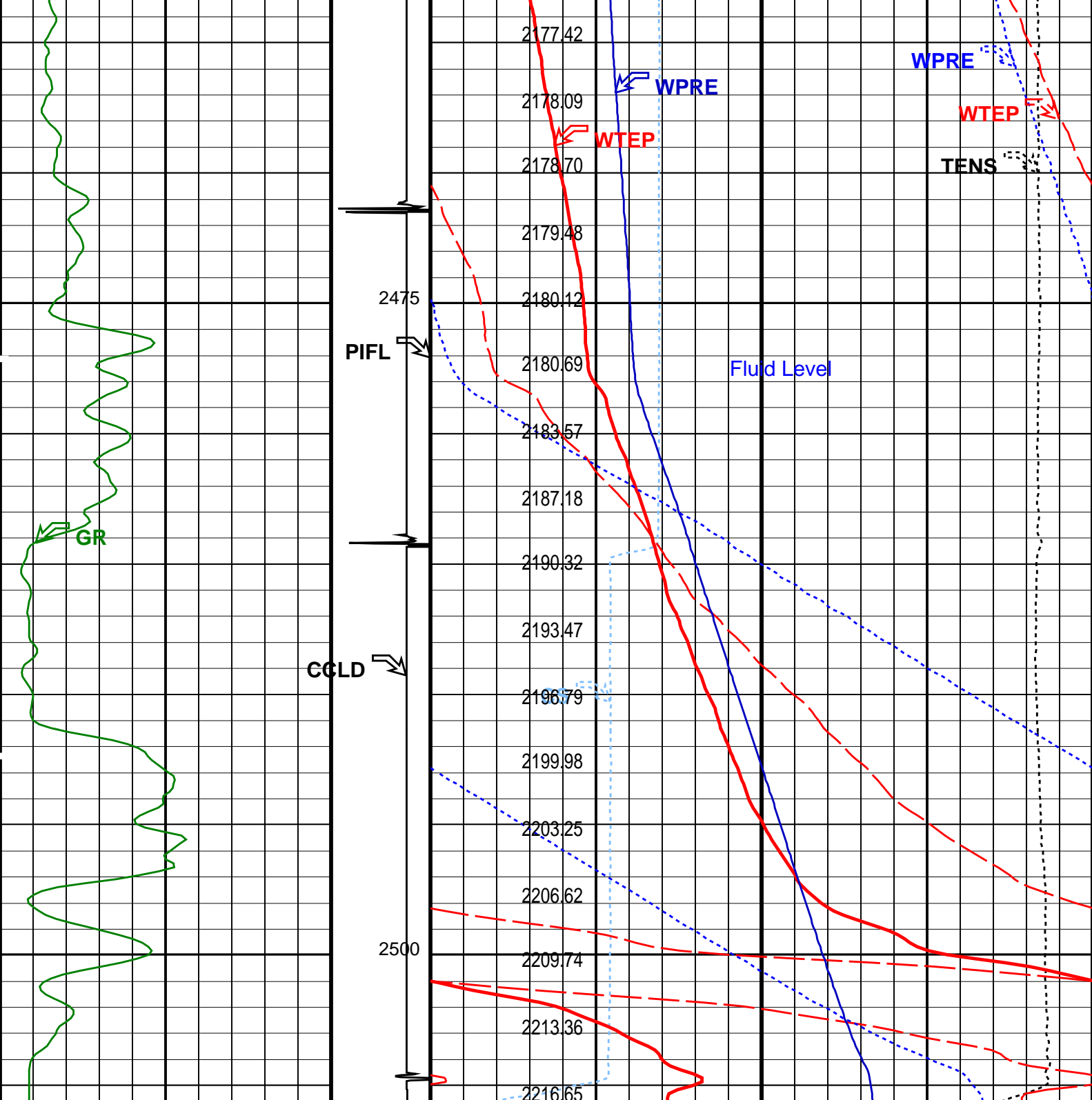
PIP SUMMARY

Time Mark Every 60 S

		Amplified Well Pressure (WPRESIA)020	
		Well Pressure (WPRESIA)21502250	
		Well Temperature (WTEPDEGF)02	
		Well Pressure (WPRESIA)	
Perfo Zone From PERFO CURVE to D3T		Well Temperature (WTEPDEGF)195200	

Gamma Ray (GR) (GAPI)0150		Discriminat ed CCL (CCLD) (V) -1	Cable Speed (CS) (F/HR)05000	Tension (TENS) (LBF)02000
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Gamma Ray (GR) (GAPI)	Discriminat ed CCL (CCLD)	Cable Speed (CS) (F/HR)	Tension (TENS) (LBF)
0	3 (V) -1	0	0
150		5000	2000

Perfo Zone From PERFO_ CURVE to D3T	Well Temperature (WTEP) (DEGF)
	195
	200

Well Pressure (WPRE) (PSIA)	Well Temperature (WTEP) (DEGF)
	0
	2

		Well Pressure (WPRE)	
2150		(PSIA)	2250
		Amplified Well Pressure (WPRE)	
0		(PSIA)	20

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1

Vertical Scale: 1:200

Graphics File Created: 29-Jun-2007 12:25

OP System Version: 14C0-302

MCM

PSPT-A/B

14C0-302

Parameters						
DLIS Name		Description			Value	
System and Miscellaneous						
DO		Depth Offset for Playback			0.0	M
PP		Playback Processing			NORMAL	
Input DLIS Files						
DEFAULT	PSP_020LUP	FN:19	PRODUCER	29-Jun-2007 12:15	2505.6 M	2431.7 M
Output DLIS Files						
DEFAULT	PSP_021PUP	FN:20	PRODUCER	29-Jun-2007 12:25		

Company:

Esso Australia Pty Ltd.

Schlumberger

Well:

A-14a

Field:

Bream A

Rig :

Prod4 / Crane

Country:

Australia

2 1/8" Powerjet Perforation

7"HPI Plug

Setting Record