

[illegible]

Company: Esso Australia Pty Ltd.

Well: A-23 a
Field: Flounder
Rig: Crane / Prod#4
Country: Australia

Crane / Prod#4

Field: Flounder

Location: Gippsland

Well: A-23 a

Company: Esso Australia Pty Ltd.

2 1/8" Enerjet Perforation

7 5/8" Possiset Plug

Setting Record

Gippsland Basin

Bass Strait

Permanent Datum: _____

Log Measured From: _____

Drilling Measured From: _____

Elev.: _____

G.L. _____

D.F. _____

State: Victoria

Max. Well Deviation 49 deg

Longitude 148°26'22.833"E

Latitude 38°18'39.173"S

Logging Date	14-Feb-2007		
Run Number	2 thru 4		
Depth Driller	3170 m		
Schlumberger Depth	3170 m		
Bottom Log Interval	3170 m		
Top Log Interval	3120 m		
Casing Fluid Type	Production Fluid		
Salinity			
Density			
Fluid Level	0 m		
BIT/CASING/TUBING STRING			
Bit Size	9.875 in		
From	0 m		
To	0 m		
Casing/Tubing Size	7.658 in		
Weight	29.7 lbm/ft		
Grade	L-80		
From	16.68 m		
To	3501 m		
Maximum Recorded Temperatures	109 degC		
Logger On Bottom	14-Feb-2007		13:00
Unit Number	889	Prod4 / Ausl	
Recorded By	S Gilbert & G Wright.		
Witnessed By	B White & B Robinson.		

Run 1			
PVT DATA			
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			
Unit Number			
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

Date Created: 9-FEB-2007 11:27:21

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-EB Serial Number: 6373 Calibration Date: 5-JUL-2006 Calibrator Serial Number: 9 Calibration Cable Type: 2-32ZT Wheel Correction 1: -2 Wheel Correction 2: -4	Type: CMTD-B/A Serial Number: 325357 Calibration Date: 6-FEB-2007 Calibrator Serial Number: 1174 Calibration Gain: 0.90 Calibration Offset: 197.00	Type: 2-32ZT Serial Number: 24426 Length: 6600.14 M Conveyance Method: Wireline Rig Type: Offshore_Mobile

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Solar Compersite Log
Reference Log Run Number:	
Reference Log Date:	0












Depth Control Remarks

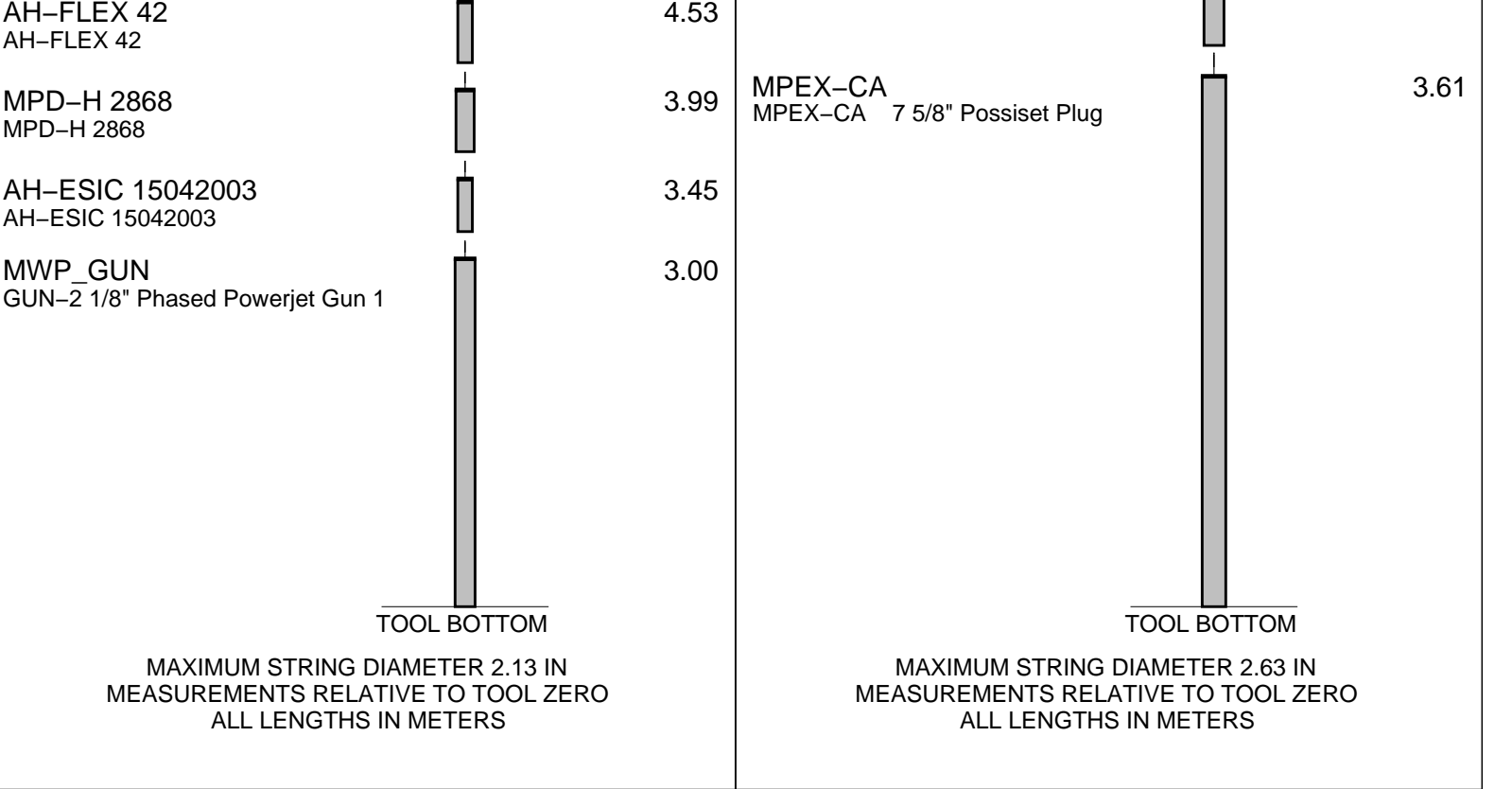
1. IDW used as primary depth control
2. Z Chart used as secondary depth control
3.
4.
5.
6.

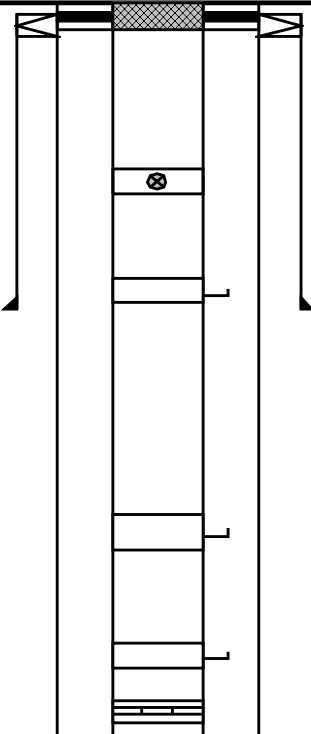
DISCLAIMER

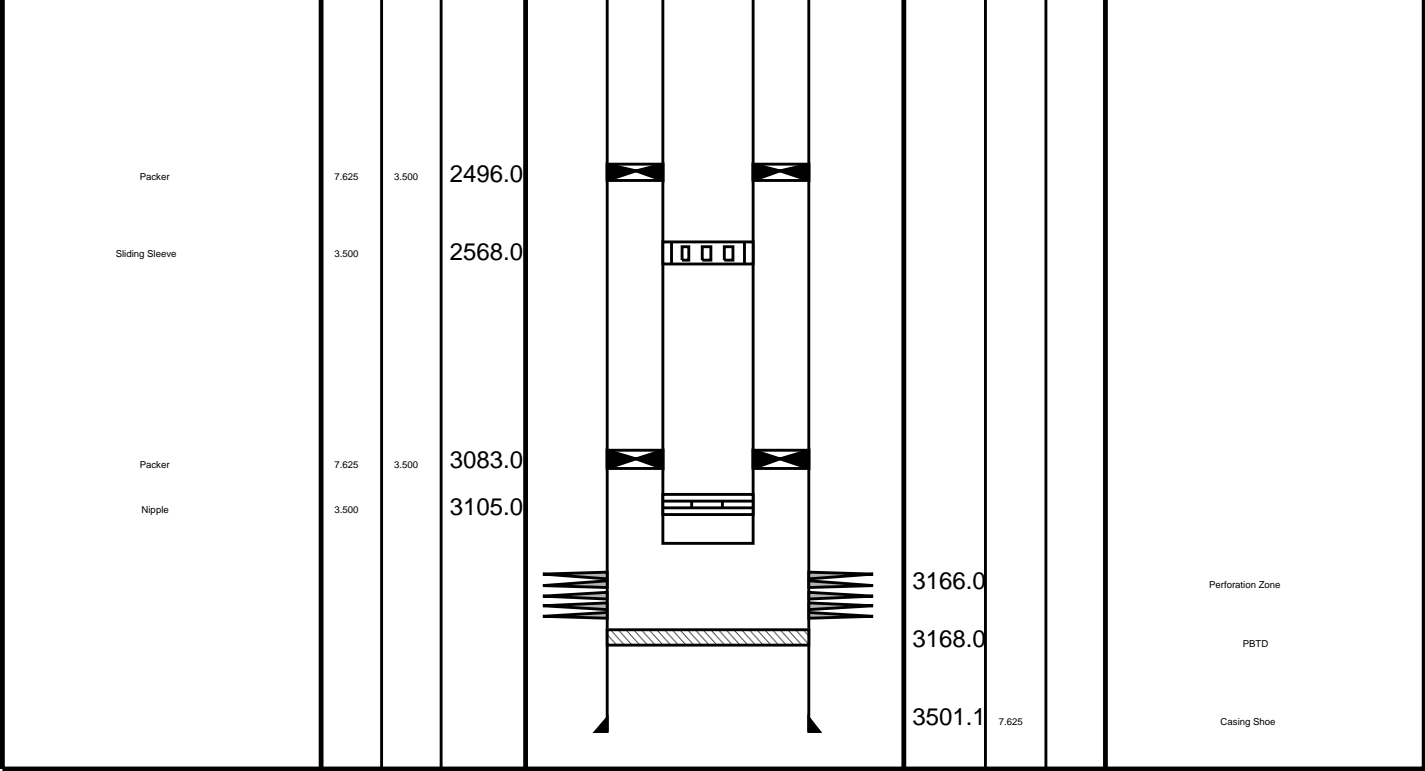
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (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: RST Sigma Survey
OS2:
OS3:
OS4:
OS5:
REMARKS: RUN NUMBER 1
Log correlated to Solar composite log dated 14-Mar-2005.
Objectives: Perforate over the interval : 3149.7m to 3150.5m MDKB.
using a 2 1/8" 45deg Phased Powerjet at 6spf gun.
Set Posiset Plug @ 3164m MDKB and dump approx 1m of cement on top of the plug .
Maximum Deviation : 49deg @ 3169m MDKB.
SBHP: 3116 psia SBHT: 230 degf
Gun:
CCL to top shot: 3.99m.

CCL stop depth: 3145.71m MDKB.					
7 5/8" Possiset Plug					
CCL to top of Seal : 7.2m					
CCL stop depth : 3156.8m MDKB					
Possiset Plug Correlated to EOT from RST survey .					
Crew : J Annear , B Flynn (Days)					
P Laurence , L Dooley (Nights)					
RUN 1 SERVICE ORDER #: AUSL07336256 PROGRAM VERSION: 14C0-302 FLUID LEVEL: 0 m					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT			SURFACE EQUIPMENT		
MWPM-AA 3008			MPBM		
DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
SWBS 731		11.95	SWHS 726		10.81
SWBS 761		11.27	CCL-L CCL-L		10.47
SWBS 762		10.58	MPSU-CA MPSU-CA		10.02
SWBS 763		9.90			
SWHS 726		9.21			
MWGT-AA 68 MWPG-AA 24029 MWGH-AA 68		8.88			
	MWPG GR	2.41			
MWPT-CA 93 MWPH-AA 10 MWPS-AA 93		7.90			
	CCL SMWP Pres SMWP Temp Tension	TOOL ZERO			
SAH-G 1035 SAH-G 1035		5.08			



Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger Tubing	7.625 3.500	3.500	18.9		19.8 19.8	10.925 10.750	7.625	Casing String Liner Hanger
Shutin Valve	3.500		445.0					
Gas Lift Mandrel	3.500		675.0		643.5	10.750		Casing Shoe
Gas Lift Mandrel	3.500		1213.0					
Gas Lift Mandrel	3.500		1501.0					
Nipple	3.500		1517.0					



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Log Pass (up)	14-Feb-2007 16:54	000:03	3156.8 - 3125.9 PERFO_037LUP
Log Pass (up)	14-Feb-2007 17:02	000:49	3155.9 - 3096.8 PERFO_039LUP
Station Log	14-Feb-2007 17:05	000:40	3145.7 - 6.1 PERFO_040LTP
Log Pass (up)	14-Feb-2007 22:00	000:06	3131.1 - 3103.8 CCL_056LUP
Simulated Log	14-Feb-2007 22:19	000:48	CCL_058LUP
Log Pass (up)	14-Feb-2007 23:09	000:11	3151.0 - 3073.9 CCL_061LUP
Log Pass (up)	15-Feb-2007 1:36	000:09	3152.7 - 3100.0 PERFO_066LUP
Log Pass (up)	15-Feb-2007 3:31	000:09	3152.7 - 3099.1 PERFO_069LUP



Dump Bailer
Cement Run

MAXIS Field Log

Output DLIS Files

DEFAULT PERFO_069LUP FN:66 PRODUCER 15-Feb-2007 03:31 3152.7 M 3099.1 M

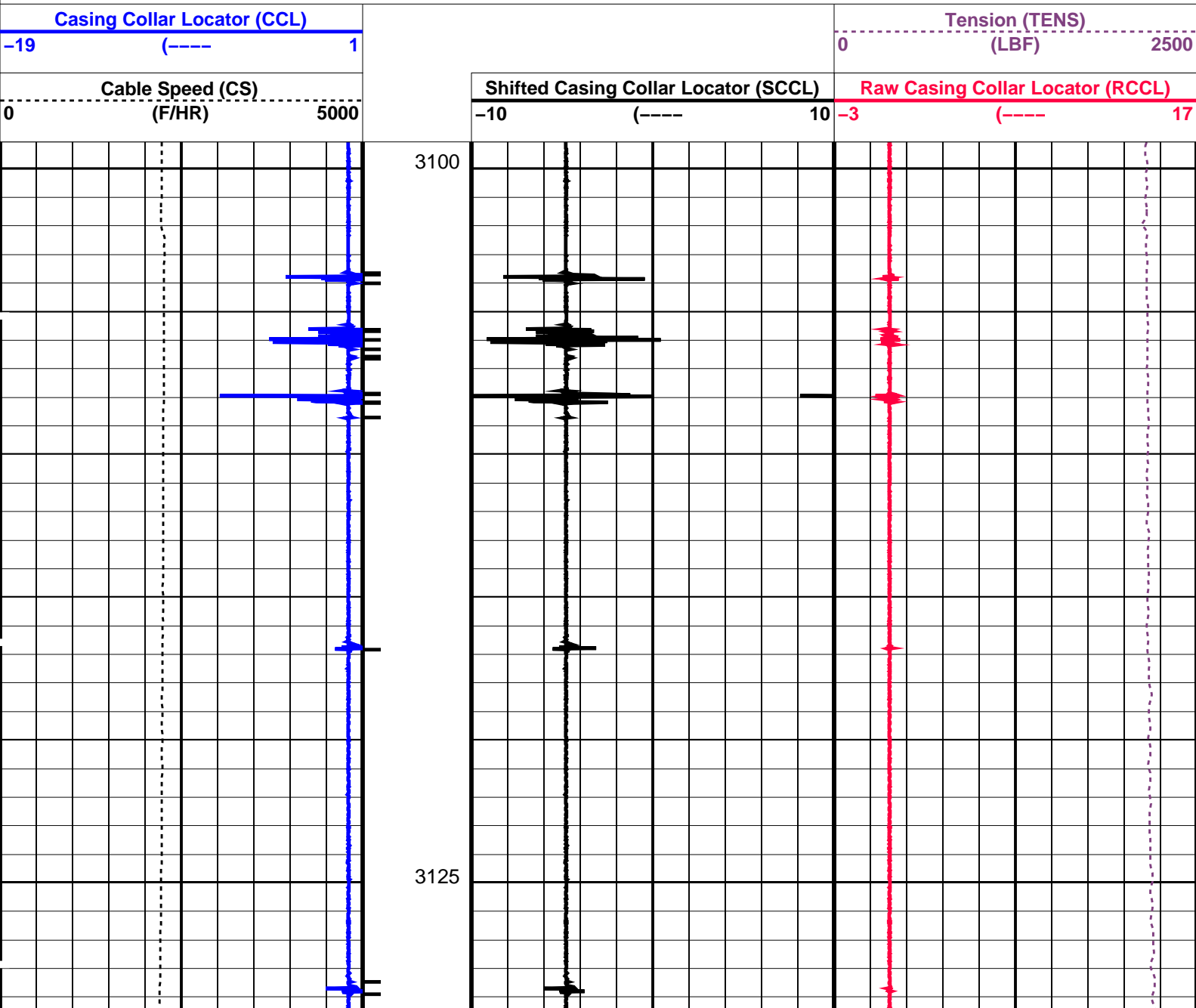
OP System Version: 14C0-302
MCM

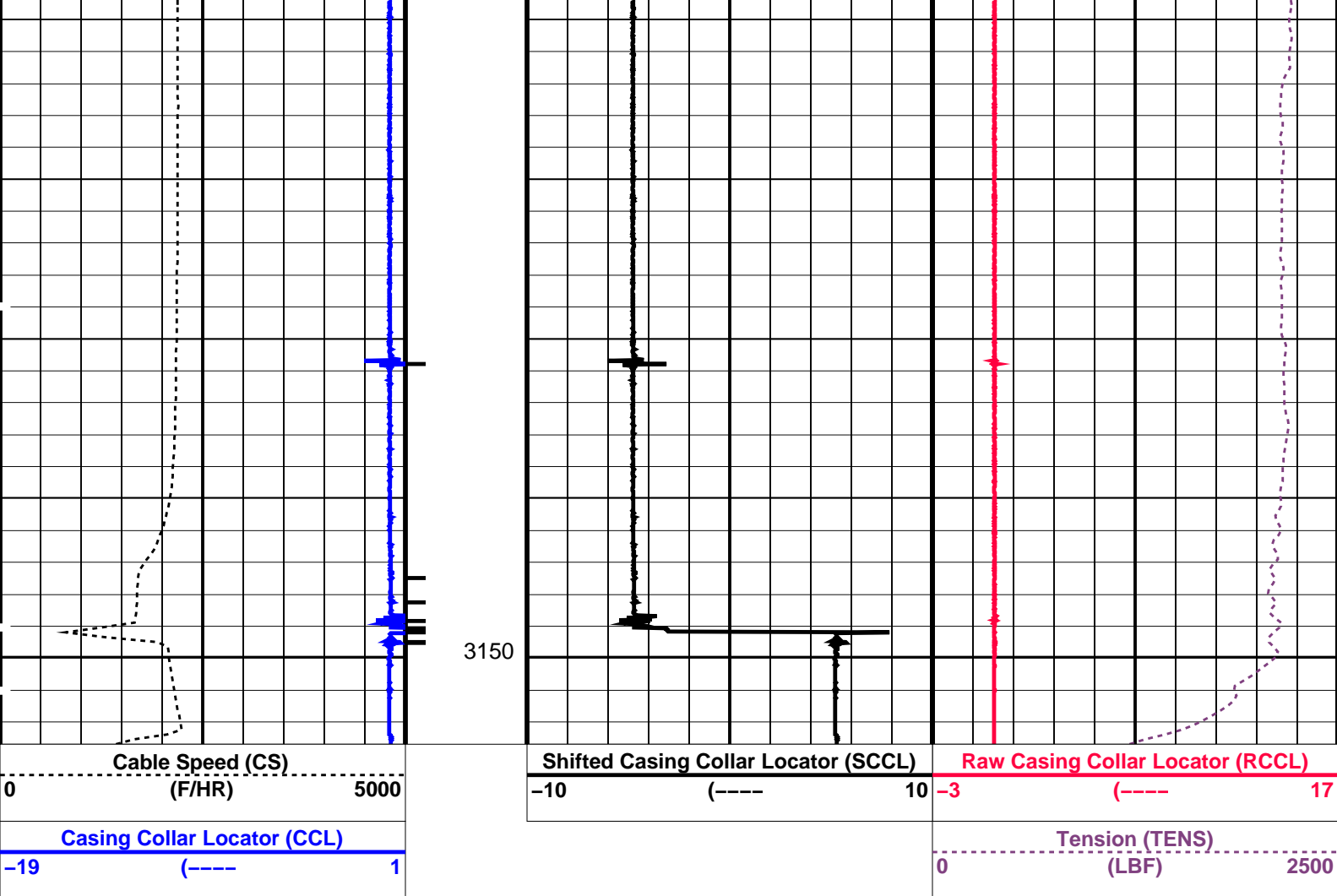
SHM_GUN SRC-3220-WPP-AAP5 CCL-L 14C0-302

PIP SUMMARY

└─ 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: 15-Feb-2007 03:31

OP System Version: 14C0-302

MCM

SHM_GUN SRC-3220-WPP-AAPC CCL-L 14C0-302

Output DLIS Files

DEFAULT PERFO_069LUP FN:66 PRODUCER 15-Feb-2007 03:31

Schlumberger

Dump Bailer
Water Run

Output DLIS Files

DEFAULT PERFO_066LUP FN:63 PRODUCER 15-Feb-2007 01:36 3152.7 M 3100.0 M

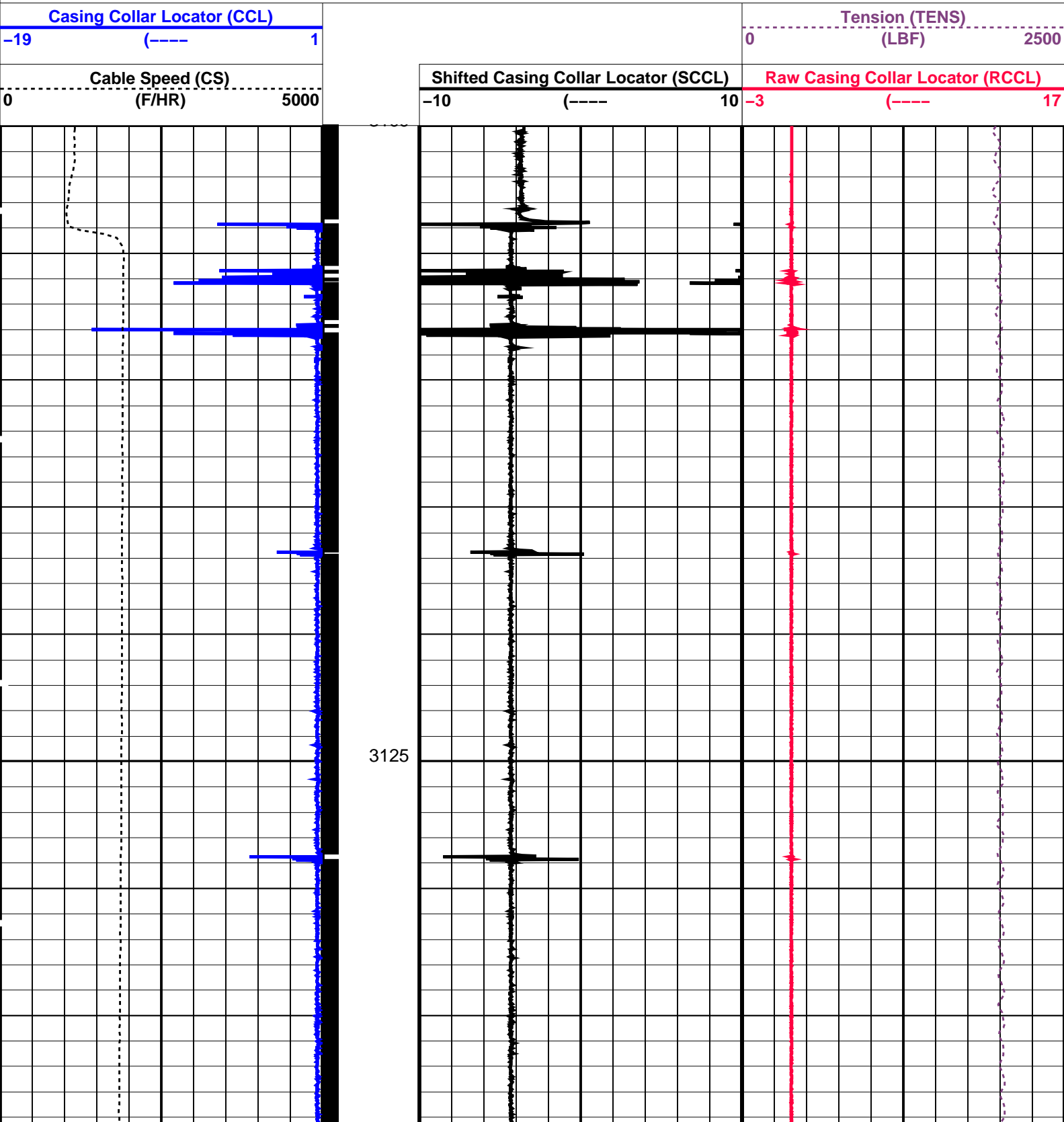
OP System Version: 14C0-302
MCM

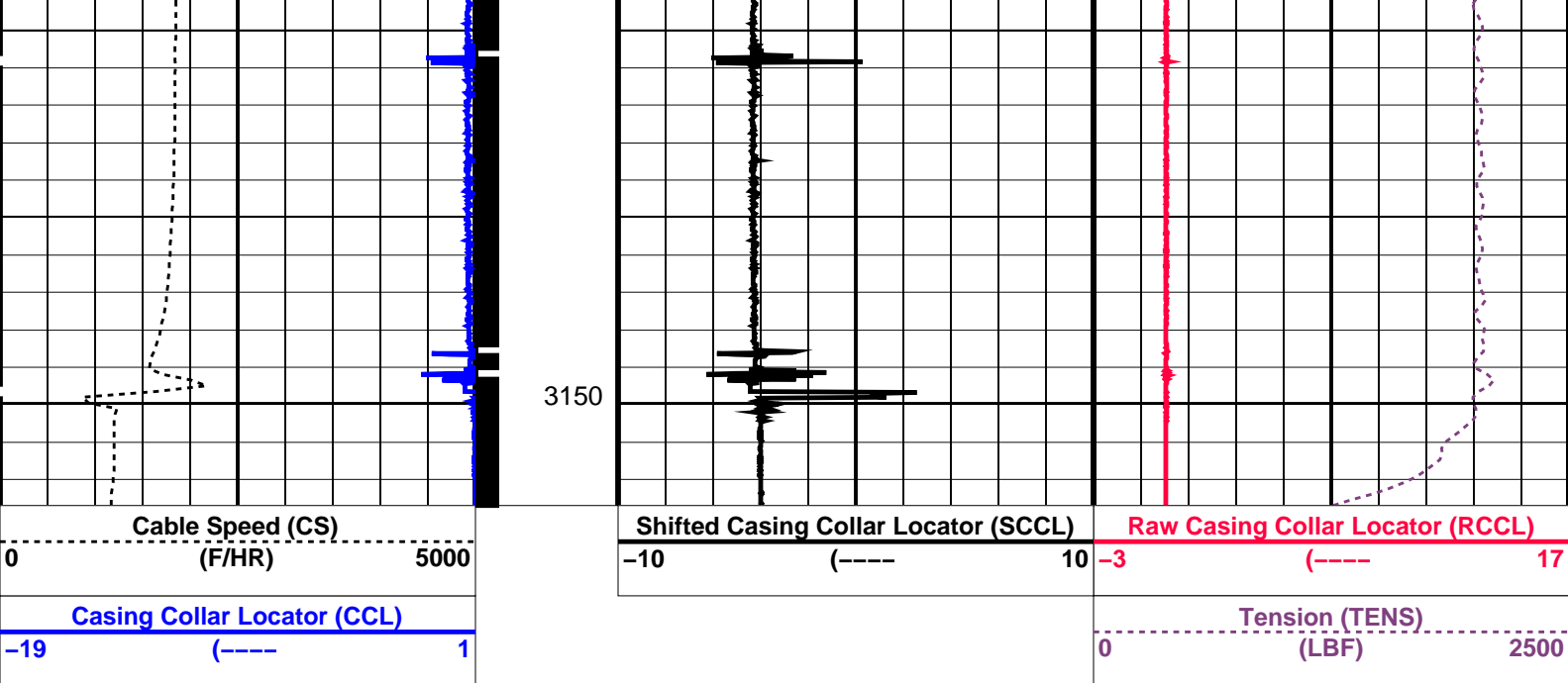
SHM_GUN SRC-3220-WPP-AAP5 CCL-L 14C0-302

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: 15-Feb-2007 01:36

OP System Version: 14C0-302

MCM

SHM_GUN SRC-3220-WPP-AAP5 CCL-L 14C0-302

Output DLIS Files

DEFAULT PERFO_066LUP FN:63 PRODUCER 15-Feb-2007 01:36

Schlumberger

Setting Plug
Top of seal @ 3164m MDKB

MAXIS Field Log

Output DLIS Files

DEFAULT CCL_058LUP FN:55 PRODUCER 14-Feb-2007 22:19

OP System Version: 14C0-302

MCM

MPEX-CA SRC-3220-WPP-AAP5 MPSU-CA SRC-3220-WPP-AAP5
CCL-L 14C0-302

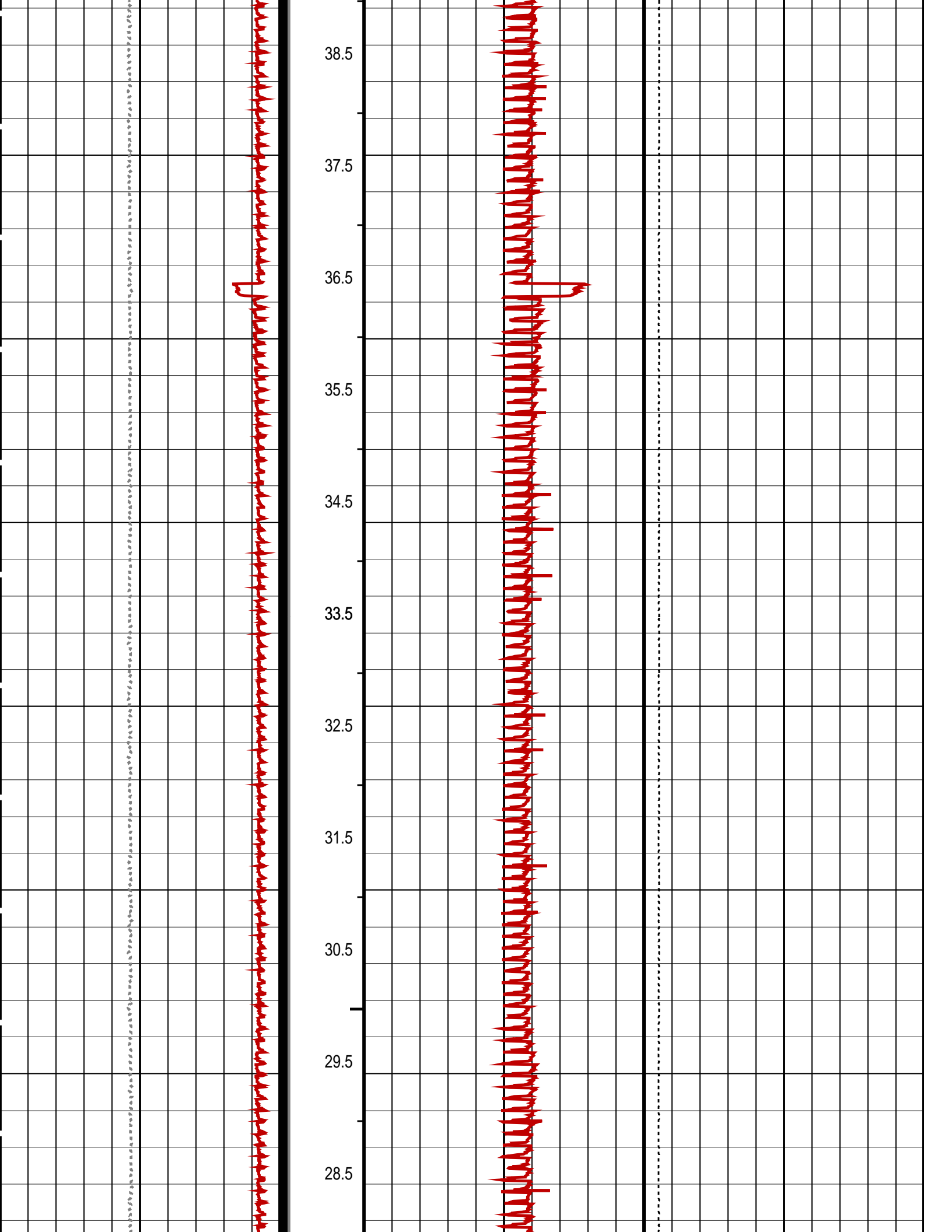
PIP SUMMARY

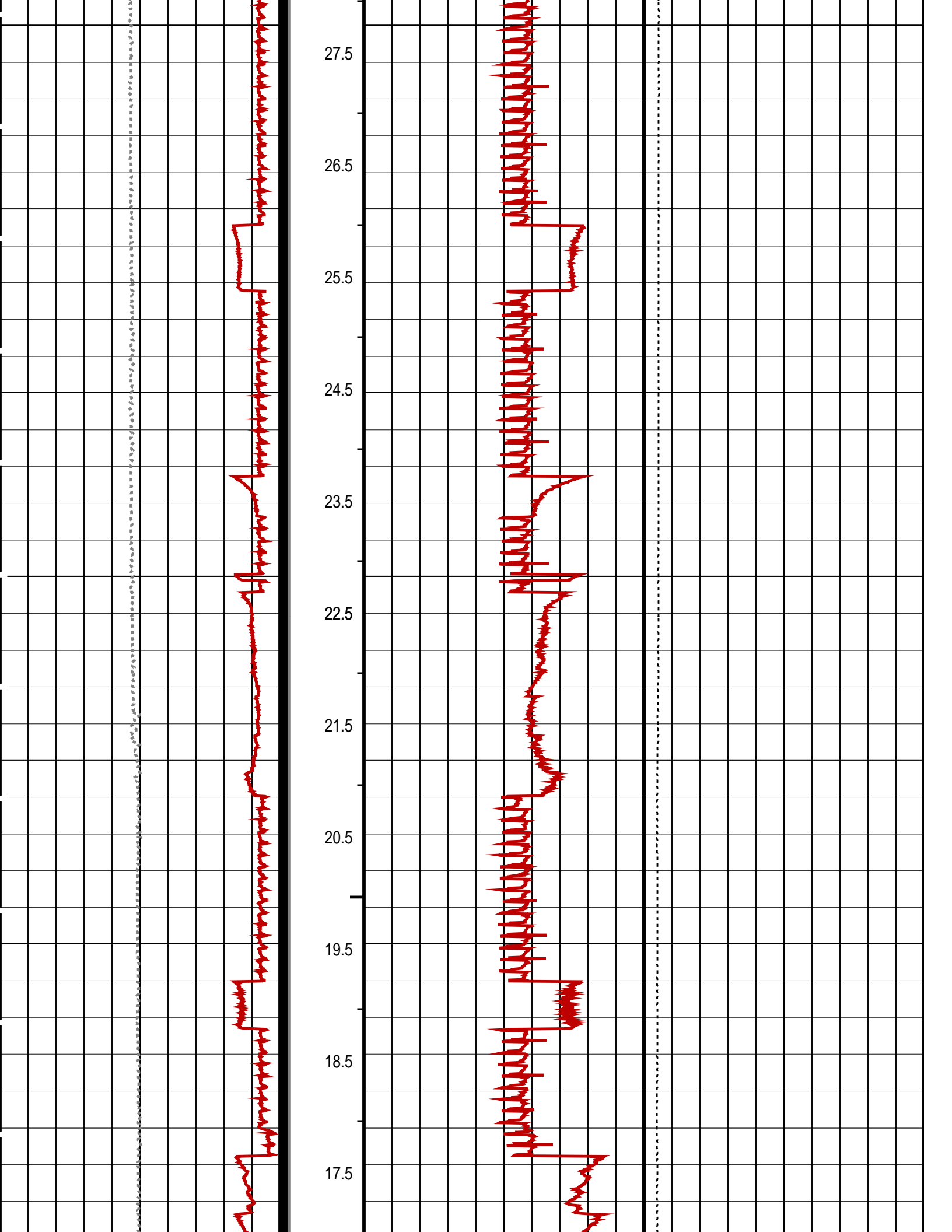
- MPSU Run Time Every 1 MN
- MPSU Run Time Every 10 MN

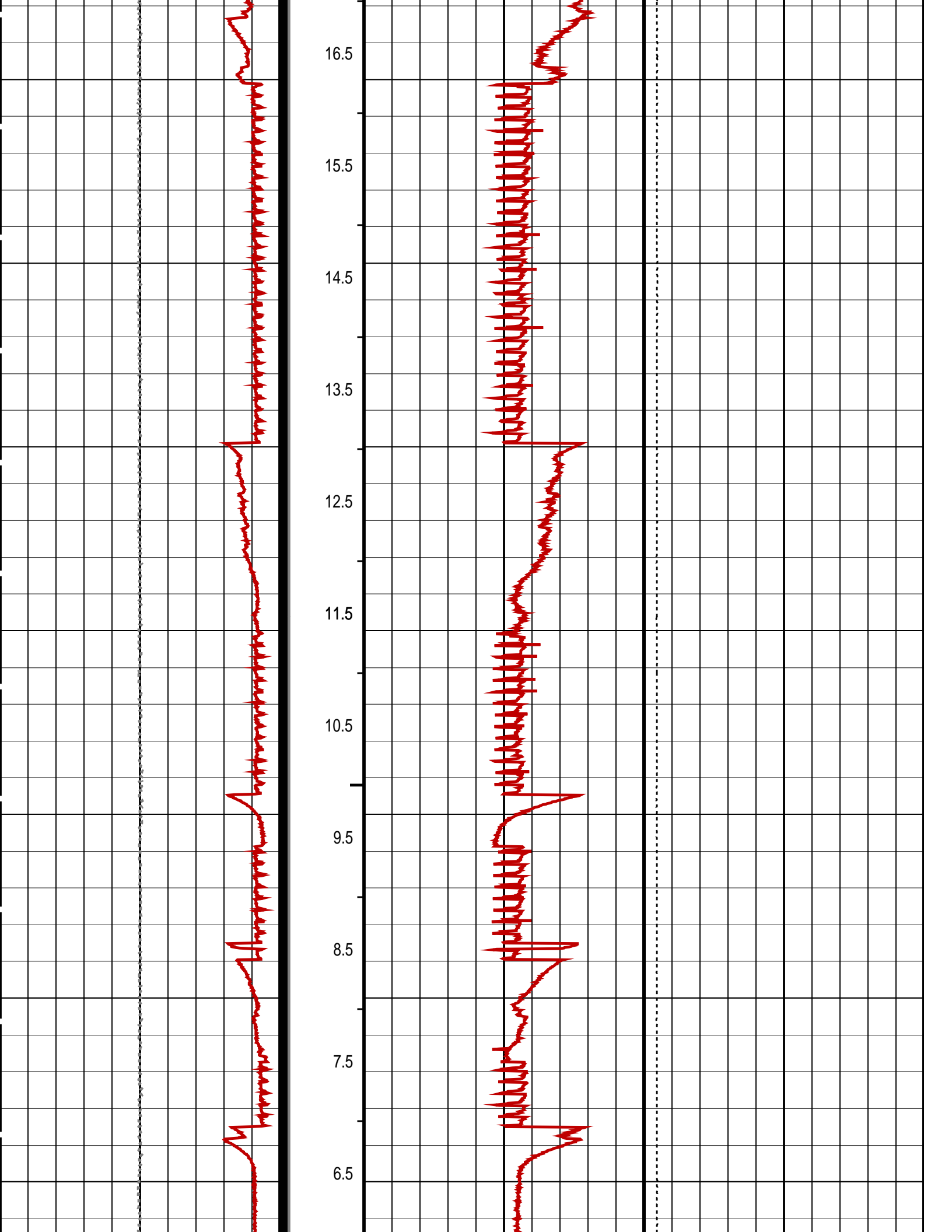
MPSU Head Voltage (HV) (V)		RUN Time (RTIM) (MN)	Tension (TENS) (LBF)	
MPSU Run Status (STAT)		ON/Int From D3T to STAT	MPBM Cable Current (CCUR) (MA)	
200	300	0 (----10	300	700
Differential Tension (DTEN) (LBF)				
-200	200			

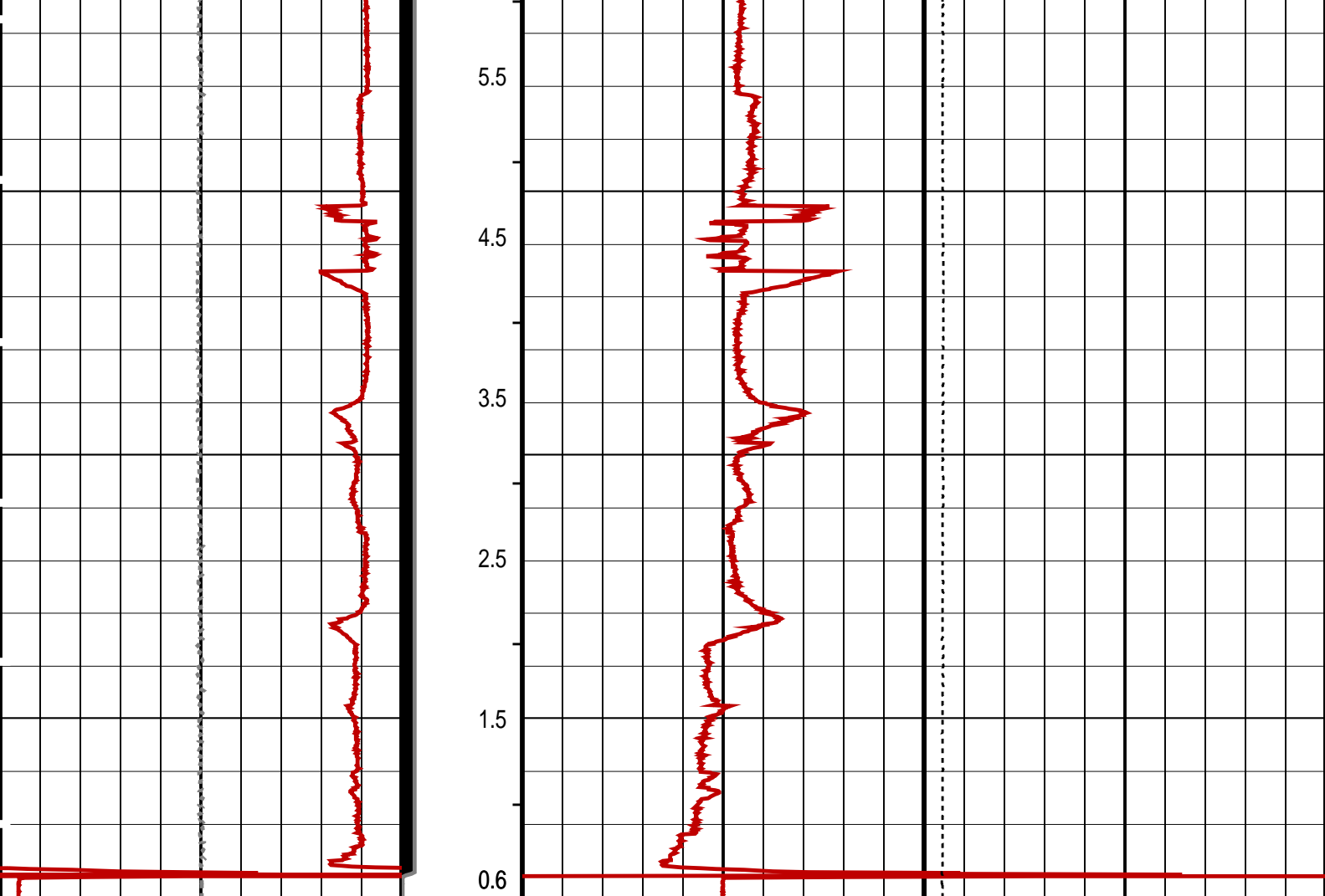
The figure displays four time-series plots sharing a common x-axis representing time in minutes, ranging from 39.5 to 47.4. The y-axes represent different physical quantities:

- MPSU Head Voltage (HV):** A red solid line showing a constant voltage of 300 V.
- Differential Tension (DTEN):** A black dotted line showing a constant tension of 0 LBF.
- ON/Int From D3T to STAT:** A black solid line showing a constant status of 0.
- MPBM Cable Current (CCUR):** A red solid line showing a noisy signal fluctuating between approximately 300 and 700 mA, with a sharp drop to 0 at 47.4 minutes.









Differential Tension (DTEN) (LBF)	ON/Int From D3T to STAT	MPBM Cable Current (CCUR) (MA)
-200200		300700
MPSU Head Voltage (HV) (V)	MPSU Run Status (STAT)	Tension (TENS) (LBF)
200300	0 (----10)	20000
	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-CA: MECHANICAL PLUGBACK SETTING UNIT IPUMP	Intensifier Pump	TRUE

Format: MPBT Vertical Scale: 1:600 Graphics File Created: 14-Feb-2007 22:19

OP System Version: 14C0-302 MCM

MPEX-CA CCL-L	SRC-3220-WPP-AAP5 14C0-302	MPSU-CA	SRC-3220-WPP-AAP5
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Output DLIS Files

DEFAULT	CCL_058LUP	FN:55	PRODUCER	14-Feb-2007 22:19
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Plug Setting Pass

MAXIS Field Log

Output DLIS Files

DEFAULT CCL_061LUP FN:58 PRODUCER 14-Feb-2007 23:09 3151.0 M 3073.9 M

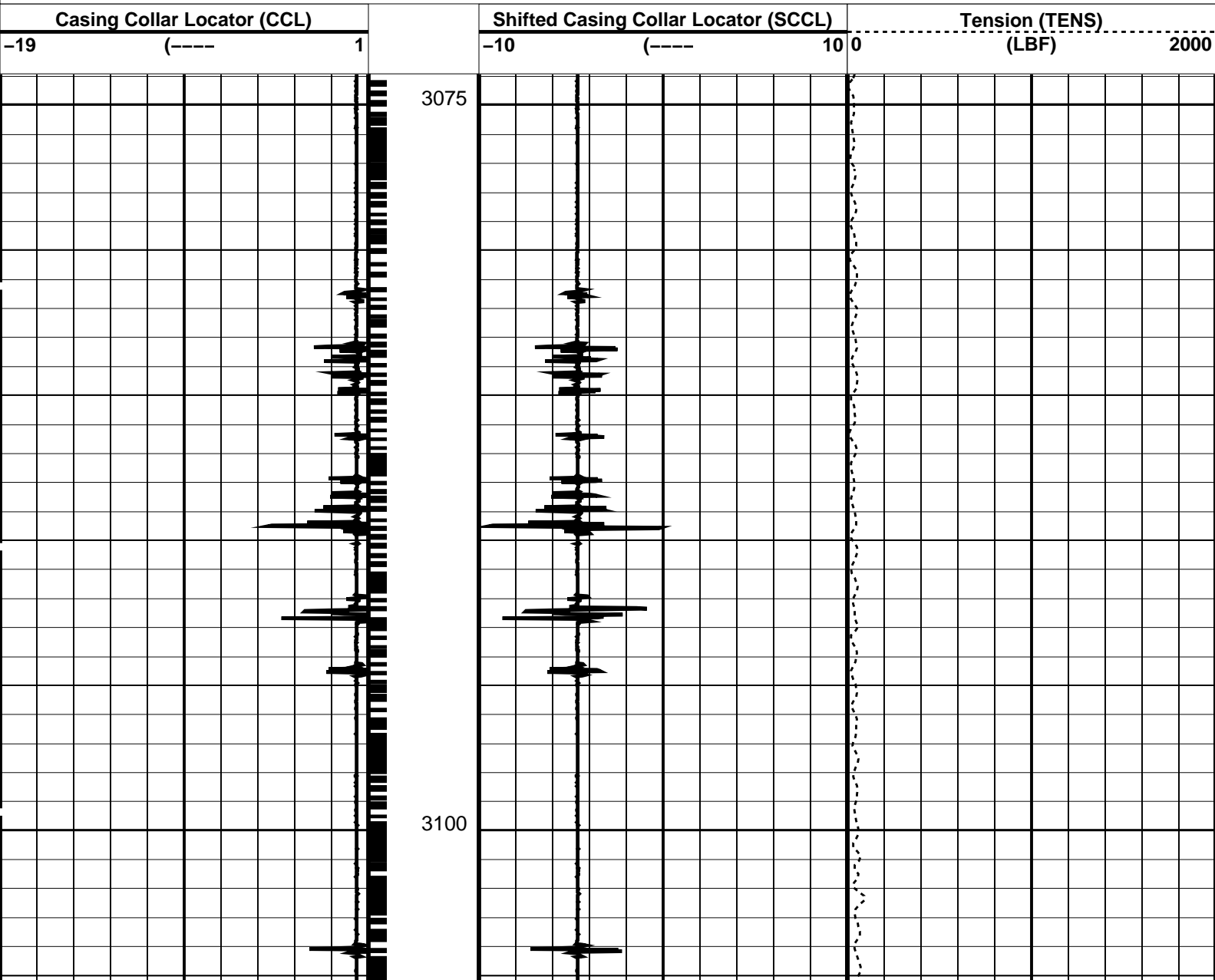
OP System Version: 14C0-302
MCM

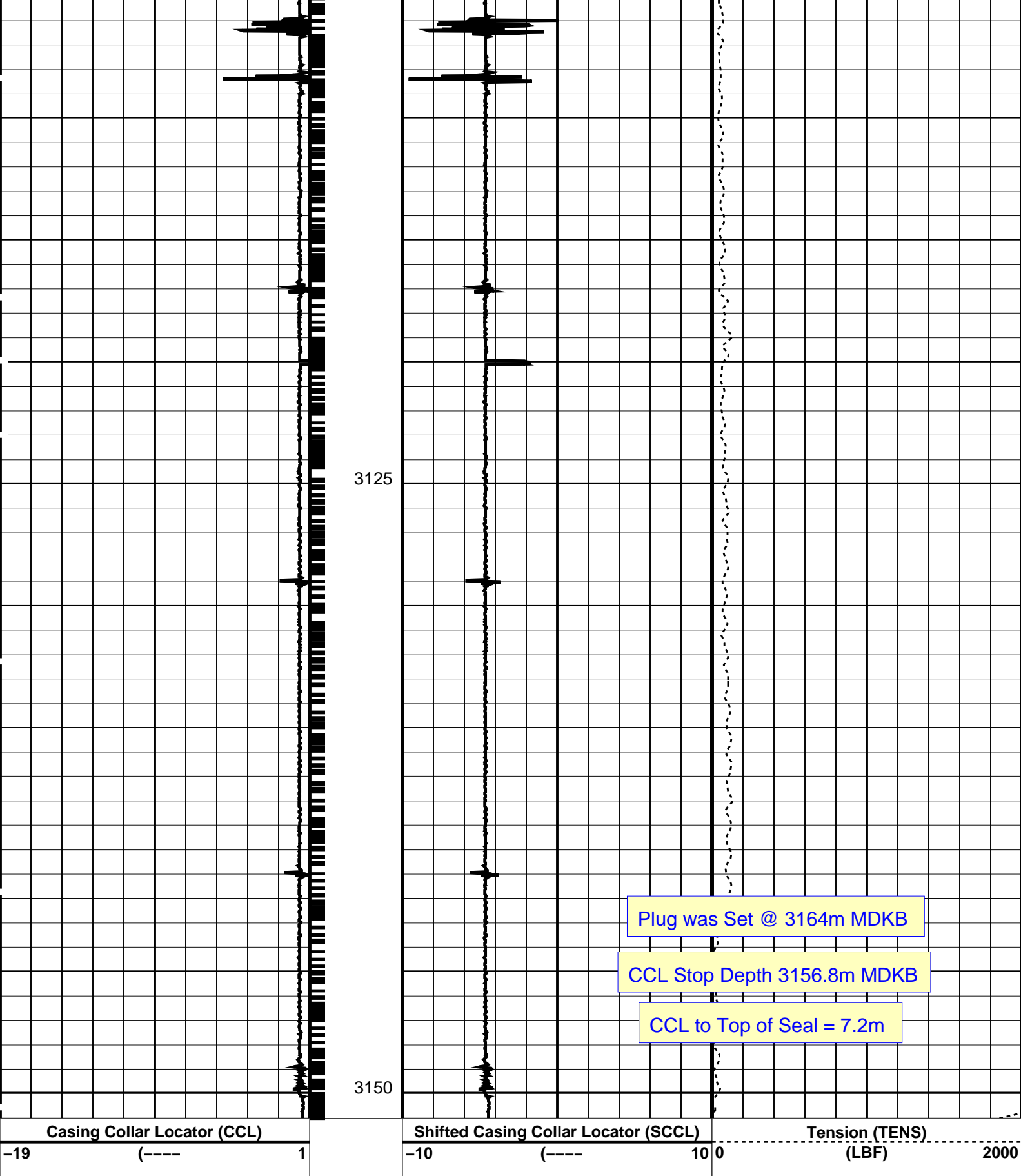
MPEX-CA SRC-3220-WPP-AAP\$ MPSU-CA SRC-3220-WPP-AAP\$
CCL-L 14C0-302

PIP SUMMARY

Casing Collars

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters		
DLIS Name	Description	Value
CCL-L: Casing Collar Locator		

CCLD
CCLT

CCL reset delay
CCL Detection Level

12 IN
0.3 V

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 14-Feb-2007 23:09

OP System Version: 14C0-302
MCM

MPEX-CA SRC-3220-WPP-AAP\$ MPSU-CA SRC-3220-WPP-AAP\$
CCL-L 14C0-302

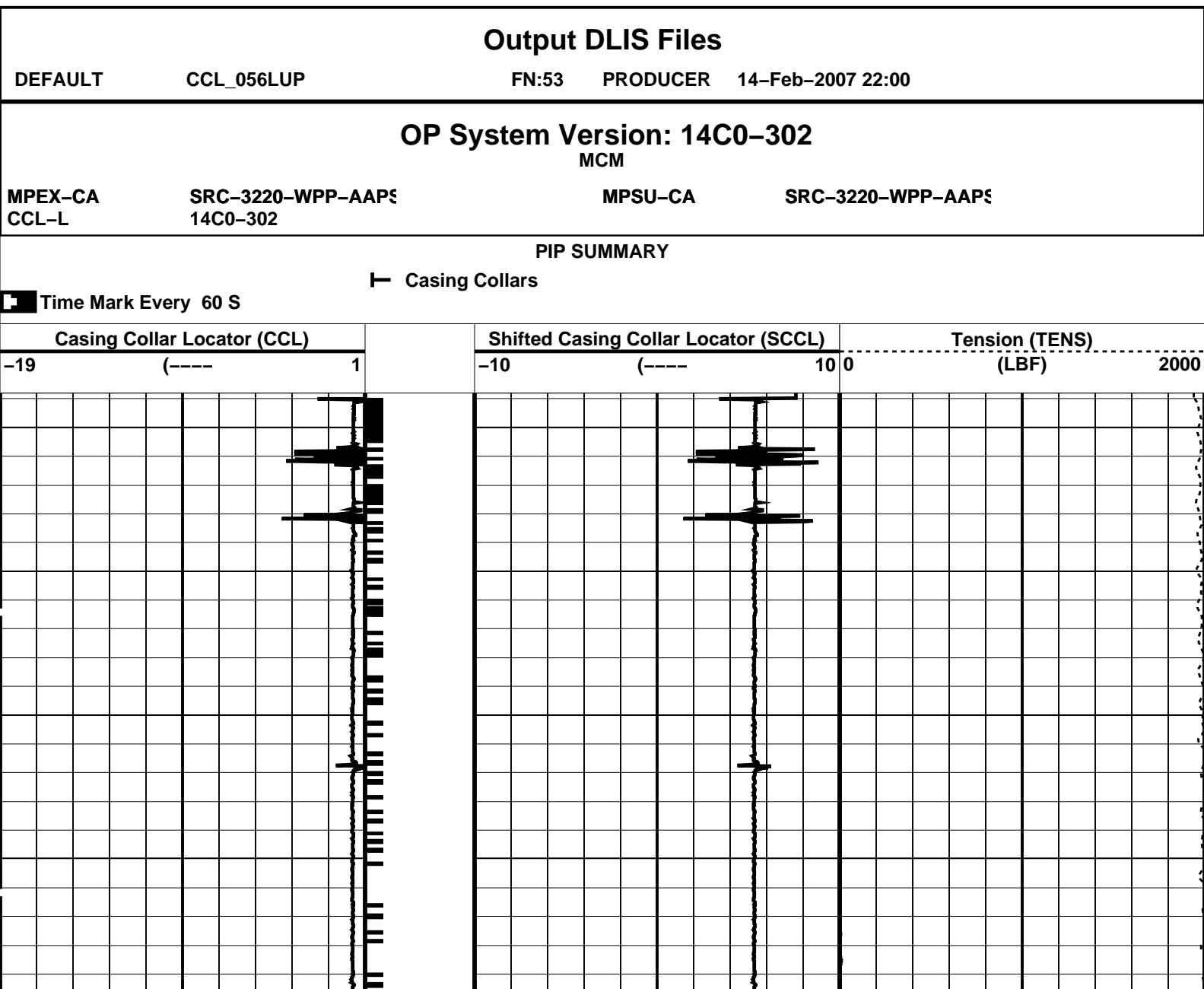
Output DLIS Files

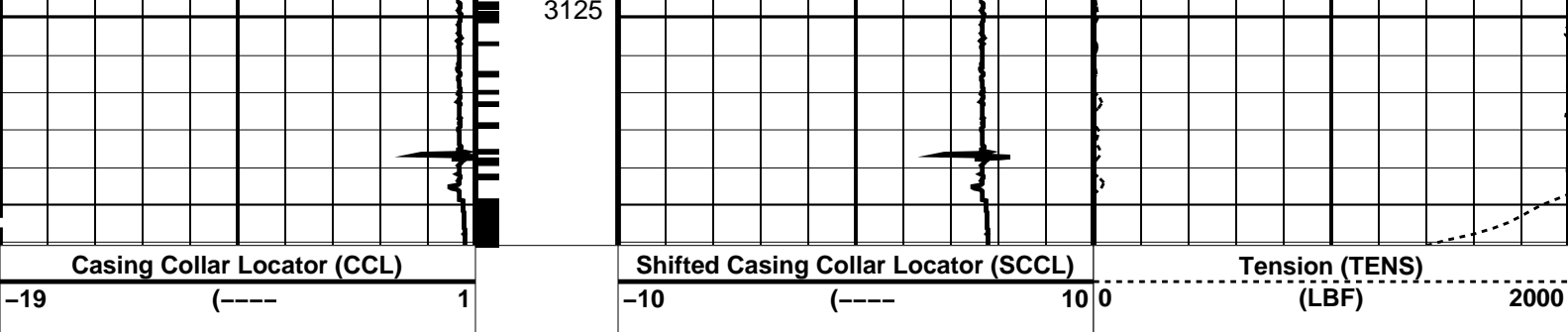
DEFAULT CCL_061LUP FN:58 PRODUCER 14-Feb-2007 23:09

Schlumberger

Possiset Plug
Correlation Pass

MAXIS Field Log





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: 14-Feb-2007 22:00

OP System Version: 14C0-302			
MCM			
MPEX-CA	SRC-3220-WPP-AAP5	MPSU-CA	SRC-3220-WPP-AAP5
CCL-L	14C0-302		

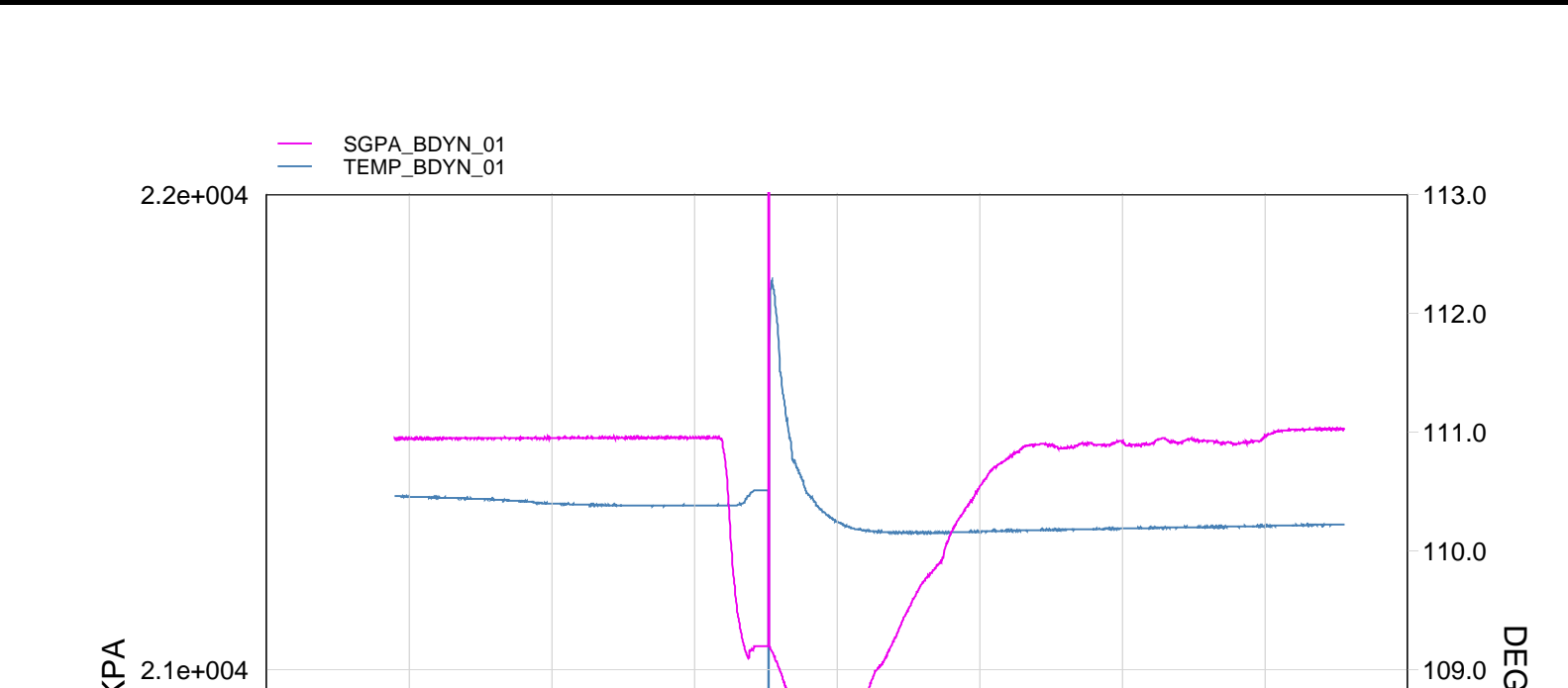
Output DLIS Files			
DEFAULT	CCL_056LUP	FN:53	PRODUCER 14-Feb-2007 22:00

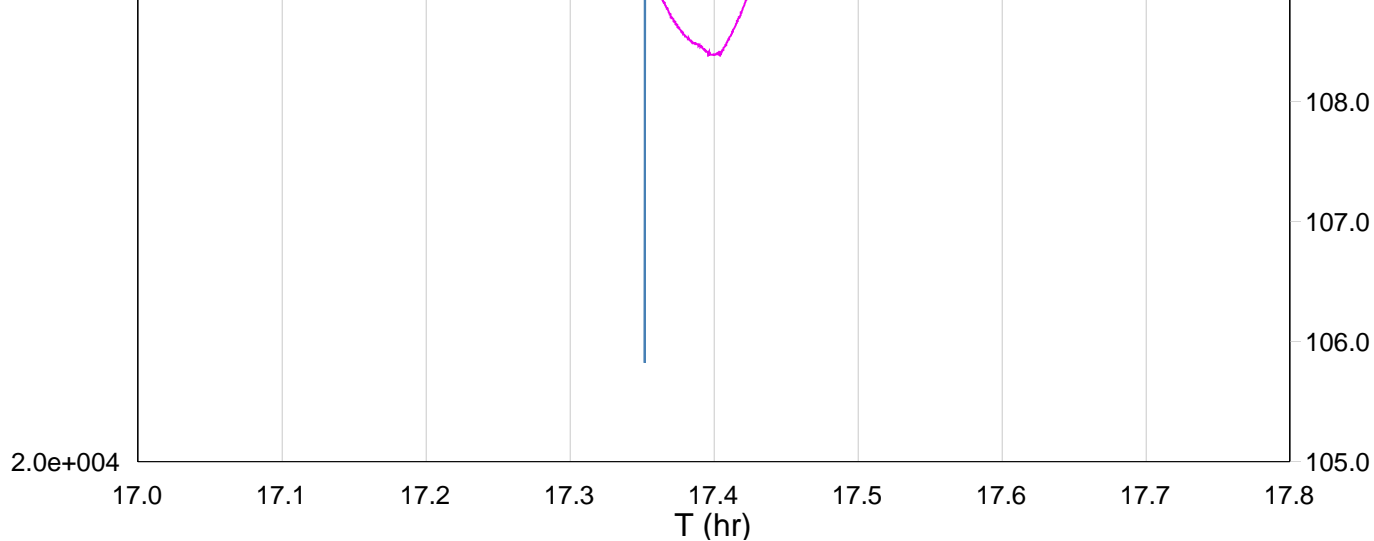


Gun # 1

3149.7m to 3150.5m MDKB

MAXIS Field Log





TIME	PSIA	DEGF
4500.0	3119.3894	230.3962
4440.0	3119.2323	230.3936
4380.0	3118.8676	230.3868
4320.0	3115.6210	230.3765
4260.0	3114.7016	230.3739
4200.0	3115.8419	230.3652
4140.0	3116.2706	230.3615
4080.0	3116.6484	230.3522
4020.0	3114.3668	230.3497
3960.0	3115.3931	230.3419
3900.0	3114.9225	230.3336
3840.0	3113.7536	230.3269
3780.0	3114.6453	230.3233
3720.0	3113.0632	230.3133
3660.0	3108.2885	230.3029
3600.0	3098.3943	230.2923
3540.0	3086.7019	230.2832
3480.0	3073.9184	230.2842
3420.0	3060.7986	230.2780
3360.0	3046.5797	230.2967
3300.0	3030.5031	230.3351
3240.0	3024.1821	230.5032
3180.0	3029.6260	230.8772
3120.0	3042.2422	232.3333
3060.0	3052.9465	230.9177
3000.0	3066.7566	230.6927
2940.0	3116.7126	230.6932
2880.0	3116.5201	230.6911
2820.0	3116.7335	230.6886
2760.0	3116.7764	230.6870
2700.0	3116.6278	230.6958
2640.0	3116.6695	230.7021
2580.0	3116.6196	230.7046
2520.0	3116.6059	230.7264
2460.0	3116.5201	230.7569
2400.0	3116.6122	230.7761
2340.0	3116.4561	230.8005
2280.0	3116.5627	230.8077
2220.0	3116.4838	230.8165
2160.0	3116.3988	230.8336



Shooting Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A-23 a

Output DLIS Files

DEFAULT PERFO_039LUP FN:36 PRODUCER 14-Feb-2007 17:02 3155.9 M 3096.8 M

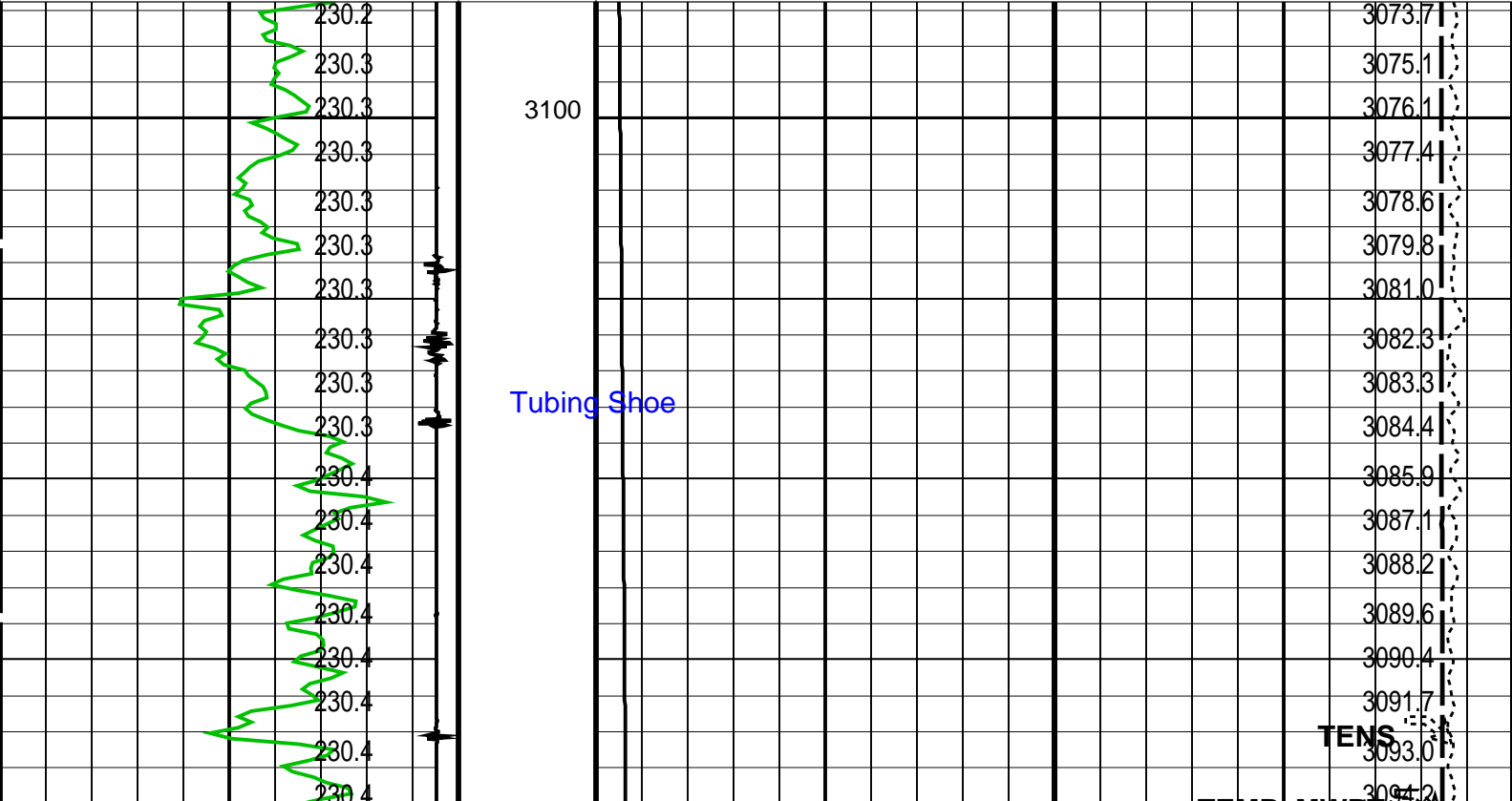
OP System Version: 14C0-302
MCM

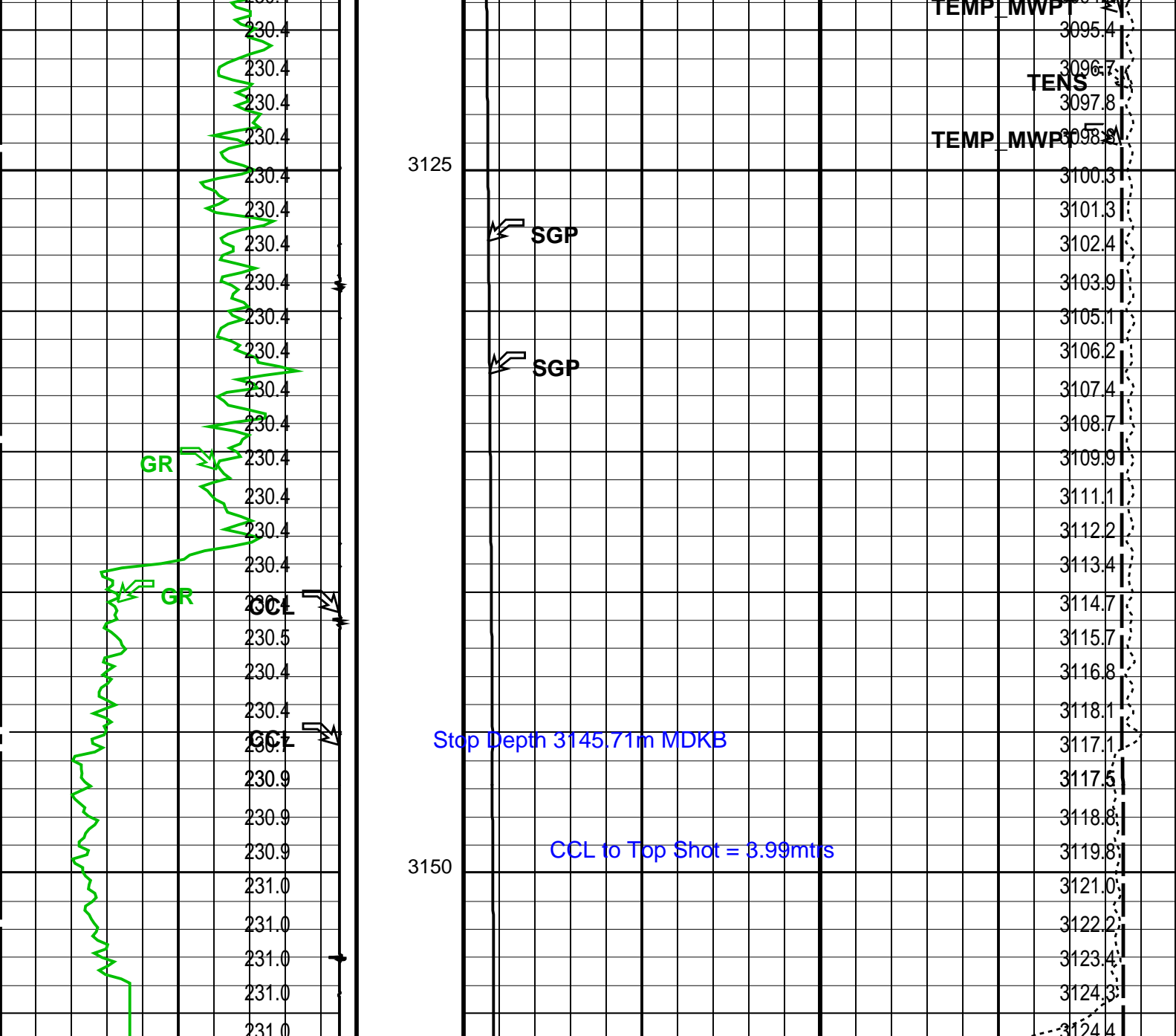
MWP_GUN SRC-3220-WPP-AAP\$ MWPT-CA SRC-3220-WPP-AAP\$
MWGT-AA SRC-3220-WPP-AAP\$

PIP SUMMARY

Time Mark Every 60 S

Temperature (TEMP_MWPT) (DEGF)	Pressure (SGP) (PSIA)
CCL From CCL to T1	Tension (TENS) (LBF)
0 250	0 2500
Gamma Ray (GR) (GAPI)	Temperature (TEMP_MWPT) (DEGF)
0 150	0 250
Casing Collar Locator (CCL)	Strain Gauge Pressure (SGP)
-19 (----) 1	0 3000





Casing Collar Locator (CCL)		Strain Gauge Pressure (SGP)	
-19 (----) 1		0 (PSIA) 3000	
Gamma Ray (GR)		Temperature (TEMP_MWPT)	
0 (GAPI) 150		0 (DEGF) 250	
CCL		Tension (TENS)	
From CCL to T1		0 (LBF) 2500	
Temperature (TEMP_MWPT) (DEGF)		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

OP System Version: 14C0-302

MCM

MWP_GUN SRC-3220-WPP-AAP SRC-3220-WPP-AAP SRC-3220-WPP-AAP

MWGT-AA SRC-3220-WPP-AAP SRC-3220-WPP-AAP SRC-3220-WPP-AAP

Output DLIS Files

DEFAULT PERFO_039LUP FN:36 PRODUCER 14-Feb-2007 17:02

Schlumberger

Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-23 a

Output DLIS Files

DEFAULT PERFO_037LUP FN:34 PRODUCER 14-Feb-2007 16:54 3156.8 M 3125.9 M

OP System Version: 14C0-302

MCM

MWP_GUN SRC-3220-WPP-AAP SRC-3220-WPP-AAP SRC-3220-WPP-AAP

MWGT-AA SRC-3220-WPP-AAP SRC-3220-WPP-AAP SRC-3220-WPP-AAP

PIP SUMMARY

Time Mark Every 60 S

Temperature (TEMP_MWPT) (DEGF)

Pressure (SGP) (PSIA)

CCL From CCL to T1

Tension (TENS) (LBF)

0 2500

Gamma Ray (GR) (GAPI)

0 150

Casing Collar Locator (CCL)

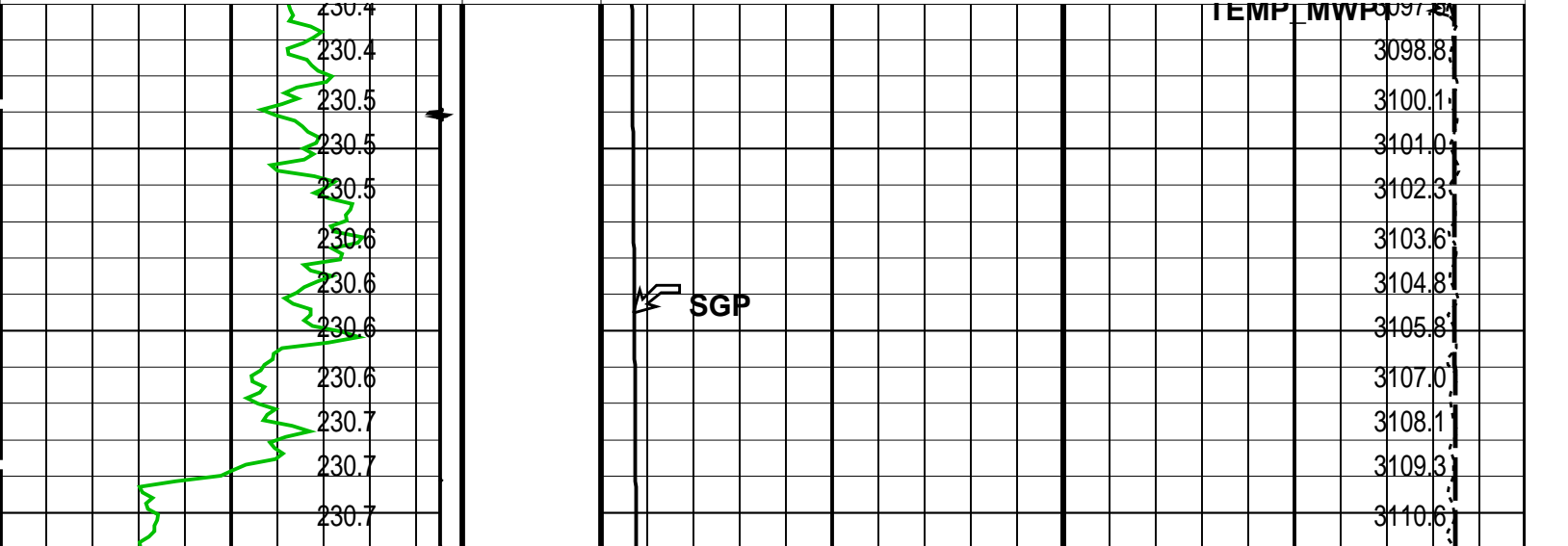
-19 1

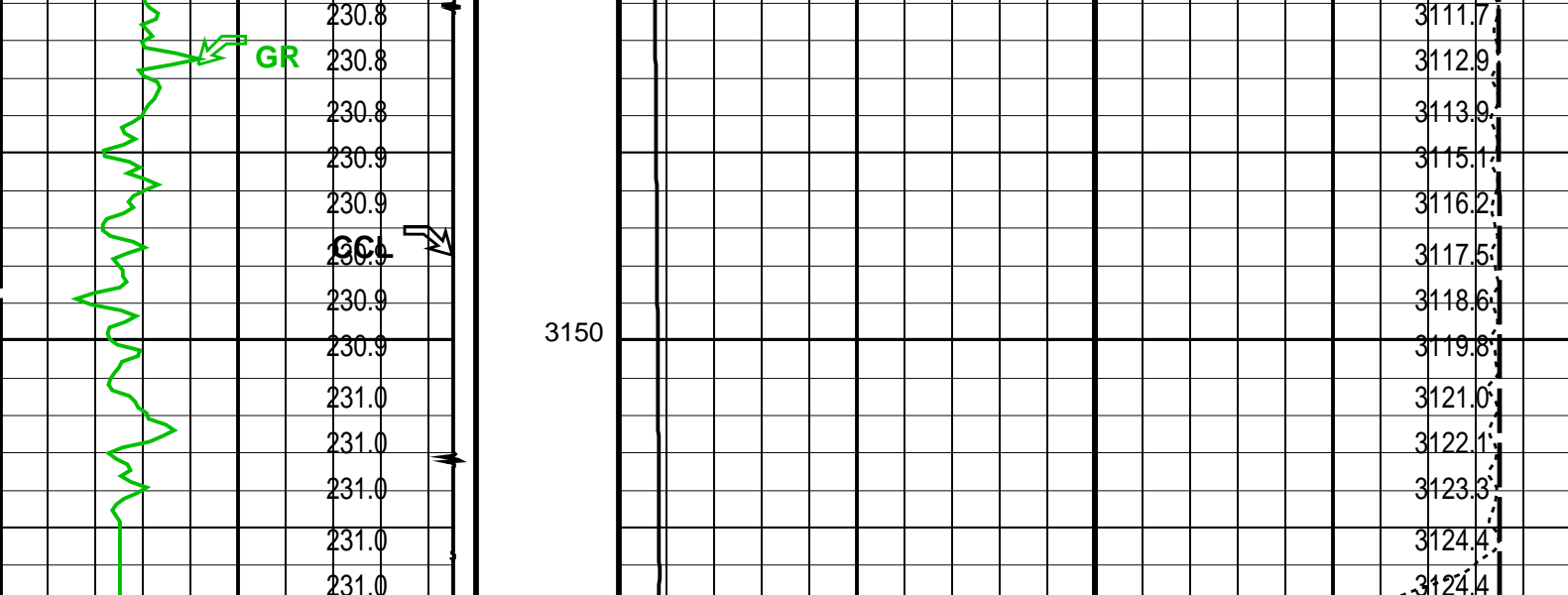
Temperature (TEMP_MWPT) (DEGF)

0 250

Strain Gauge Pressure (SGP) (PSIA)

0 3000





Casing Collar Locator (CCL)		Strain Gauge Pressure (SGP)	
-19	(----	0	(PSIA)
Gamma Ray (GR)		Temperature (TEMP_MWPT)	
0	(GAPI)	0	(DEGF)
CCL From CCL to T1		Tension (TENS)	
Temperature (TEMP_MWPT) (DEGF)		0	(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: 14-Feb-2007 16:54

OP System Version: 14C0-302

MCM

MWP_GUN	SRC-3220-WPP-AAP5	MWPT-CA	SRC-3220-WPP-AAP5
MWGT-AA	SRC-3220-WPP-AAP5		

Output DLIS Files

DEFAULT	PERFO_037LUP	FN:34	PRODUCER	14-Feb-2007 16:54
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Company: Esso Australia Pty Ltd.

Schlumberger

Well: A-23 a
Field: Flounder
Rig: Crane / Prod#4
Country: Australia

2 1/8" Enerjet Perforation
7 5/8" Possiset Plug
Setting Record

