

Company: Esso Australia Pty Ltd.

Well: FLOUNDER A15
Field: FLOUNDER
Rig: Crane / Prod#4

Country: Australia

2 1/8" Phased Powerjet
Perforation and MPBT Plug Setting
24-Feb-2010

Crane / Prod#4	
FLOUNDER	
Gippsland	
FLOUNDER A15	
Esso Australia Pty Ltd.	
LOCATION	
Gippsland	Elev.: K.B. 34.20 m
Basin	G.L. -93.00 m
Bass Strait	D.F. 34.20 m
Permanent Datum: _____	Elev.: 0.00 m
Log Measured From: _____	34.20 m above Perm. Datum
Drilling Measured From: _____	
State: Victoria	Max. Well Deviation 40.3 deg
	Longitude 148°26'17.12"E
	Latitude 38°18'44.65"S

Logging Date	24-Feb-2010		
Run Number	1		
Depth Driller	3150 m		
Schlumberger Depth	3068.7 m		
Bottom Log Interval	3062 m		
Top Log Interval	3060.5 m		
Casing Fluid Type	Production Fluid		
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	9.875 in		
From	645 m		
To	3150 m		
Casing/Tubing Size	5.500 in		
Weight	17 lbm/ft		
Grade	N-80		
From	1283 m		
To	3124 m		
Maximum Recorded Temperatures			
Logger On Bottom	24-Feb-2010	9:30	
Unit Number	889	AUSL	
Recorded By	C.Rowand / W.Mackenzie		
Witnessed By	G.Rimmer		

PVT DATA				Run 1	Run 2	R
Oil Density						
Water Salinity						
Gas Gravity						
Bo						
Bw						
1/Bg						
Bubble Point Pressure						
Bubble Point Temperature						
Solution GOR						
Maximum Deviation				40.3 deg		
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						

Date Created: 25-FEB-2010 10:20:14

Logging Cable

Type:	2-32ZT
Serial Number:	208558
Length:	6010 M
Conveyance Method:	Wireline
Rig Type:	Offshore Fixed

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Solar Composite
Reference Log Run Number:	
Reference Log Date:	
Subsequent Trip Down Log Correction:	-3.00 M



















1. Log correlated to Esso provided Solar Composite Log.
2. Rigged up on main deck using the platform crane.
3. Tool Zero is referenced from the Tubing Hanger at 12.6m.
- 4.
- 5.
- 6.

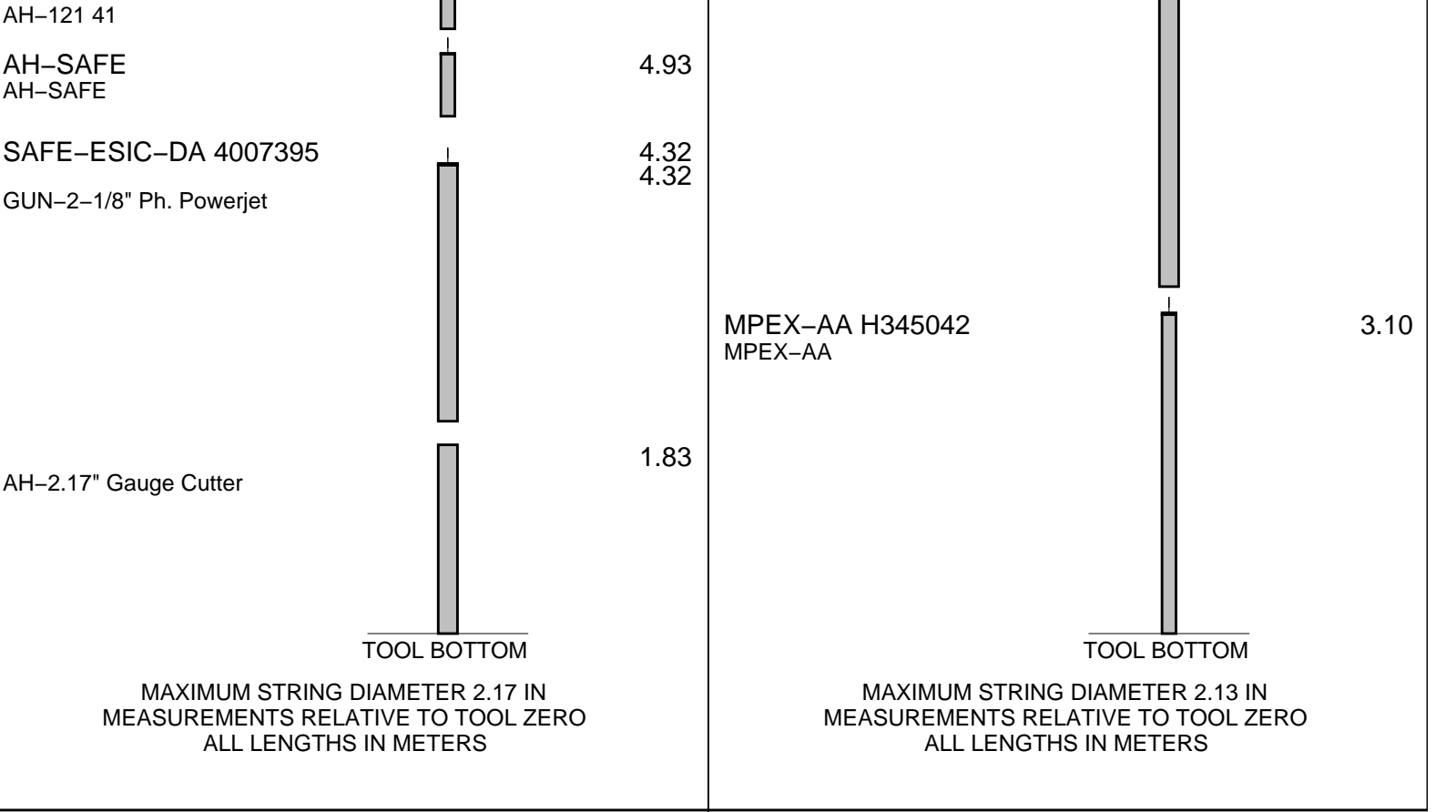
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (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 SERVICES2
OS1:
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 2

Gun #1: 3060.5–3062m. SAFE firing system utilised.

MPBT plug (H345042) set at 3062.8m, at client request.					
0.5m of water and cement dumped on top.					
2-1/8" ph. Powerjet API data:-					
Penetration = 27.2"					
Entrance Hole = 0.32"					
Multiple 'hanging up' issues were encountered between 1230-1285m					
when running the gun and MPBT plug. The first gun attempt					
resulted in an Incomplete Operation, due to the strip buckling					
and therefore had to be POOH.					
RUN 1			RUN 2		
SERVICE ORDER #:		AUSL07336256	SERVICE ORDER #:		
PROGRAM VERSION:		17C0-154	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT			SURFACE EQUIPMENT		
WITM (SHM)			WITM (SHM)		
DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
MH-SWBH 759		12.68	MH-SWBH 759		13.61
EQF-SWBS 785		12.28	EQF-SWBS 786		13.21
EQF-SWBS 786		11.63	EQF-SWBS 787		12.56
EQF-SWBS 787		10.98	EQF-SWBS 788		11.91
EQF-SWBS 788		10.33	EQF-SWBS 789		11.26
EQF-SWBS 789		9.69	EQF-SWBS 785		10.61
EQF-46 210		9.04	CCL-L CCL-L 7336		9.97
UPCT-A UPCC-A 445 UPCH-A 517		7.21	MPSU-CA MPSU-CA 1102		9.51
Gamma Ray	0.79		CCL Cable Cur Head Volt Tension	TOOL ZERO	
Casing Co Tension	TOOL ZERO				
SAH-G SAH-G 1035		5.84			
AH-121		5.44			



Client: Esso Australia Pty Ltd

Well: FLA A15

Field: Flounder

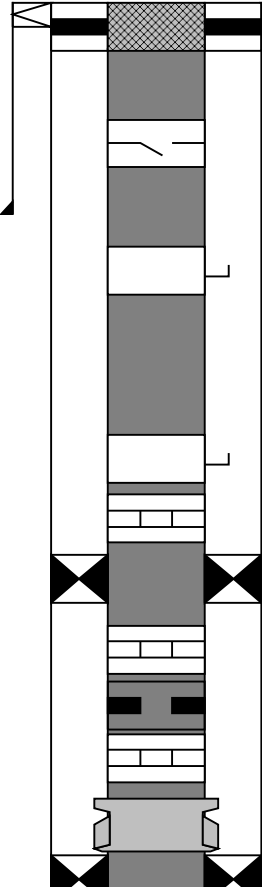
State: Victoria

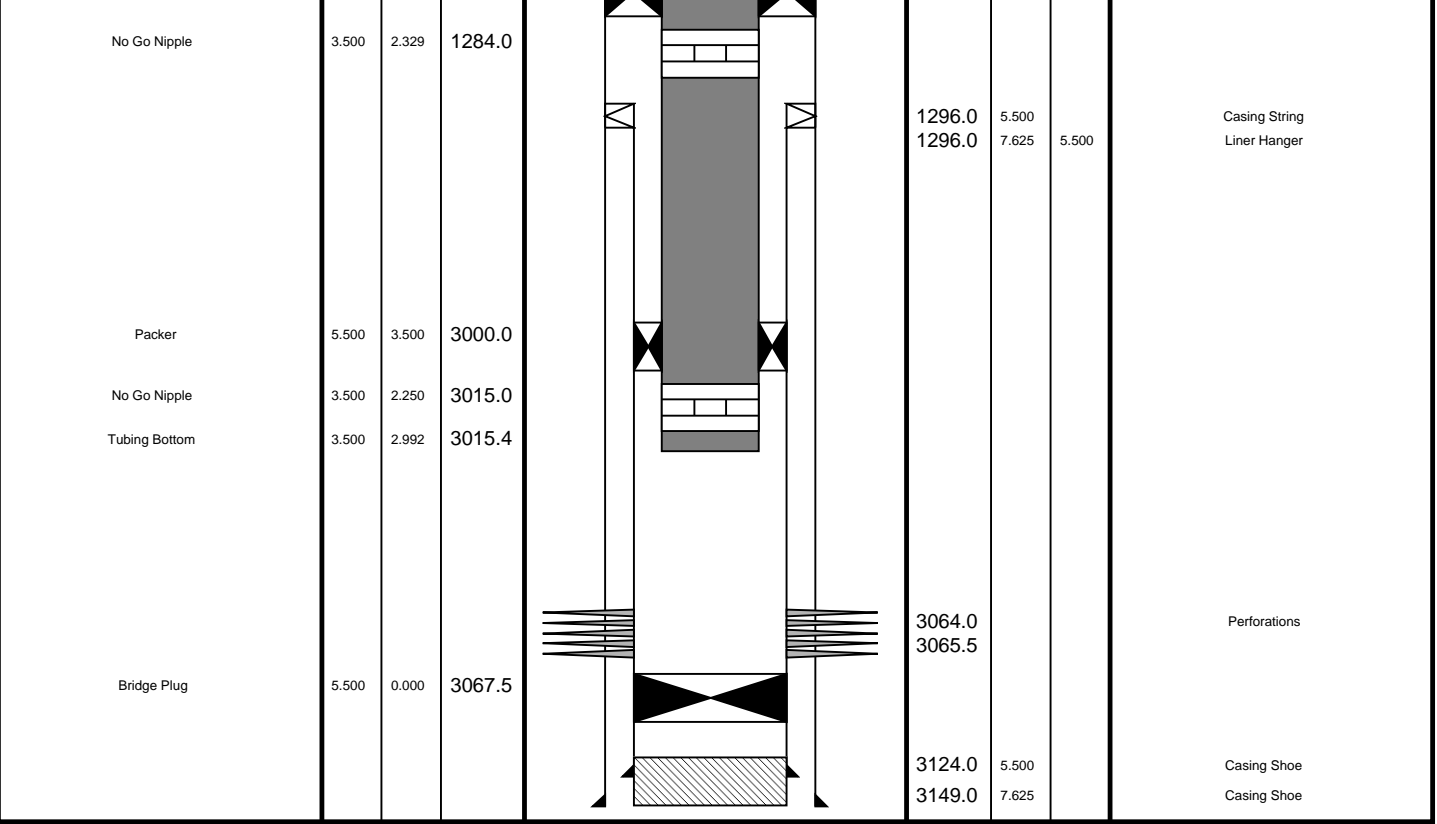
Country: Australia

Rig Name: Prod 4 / Crane

Reference Datum: Mean Sea Level

Elevation: 34.2 m

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger	7.625	3.500	12.6		13.0	10.375		Casing String
Tubing	3.500	2.992			14.0	10.375	7.625	Liner Hanger
SSSV	3.500	2.750	457.7					
					644.0	10.375		Casing Shoe
Side Pocket Mandrel	3.500	2.920	863.0					
Side Pocket Mandrel	3.500	2.920	1210.0					
Nipple	3.500	2.750	1226.0					
Packer	7.625	3.500	1238.0					
Nipple	3.500	2.750	1245.0					
Expansion Joint	3.500	2.972	1249.0					
No Go Nipple	3.500	2.635	1266.0					
Overshot			1268.9					
Packer	7.625	3.500	1269.0					



Cement Bailer #2
Dump Record

MAXIS Field Log

PERFO2 Operational Summary Listing

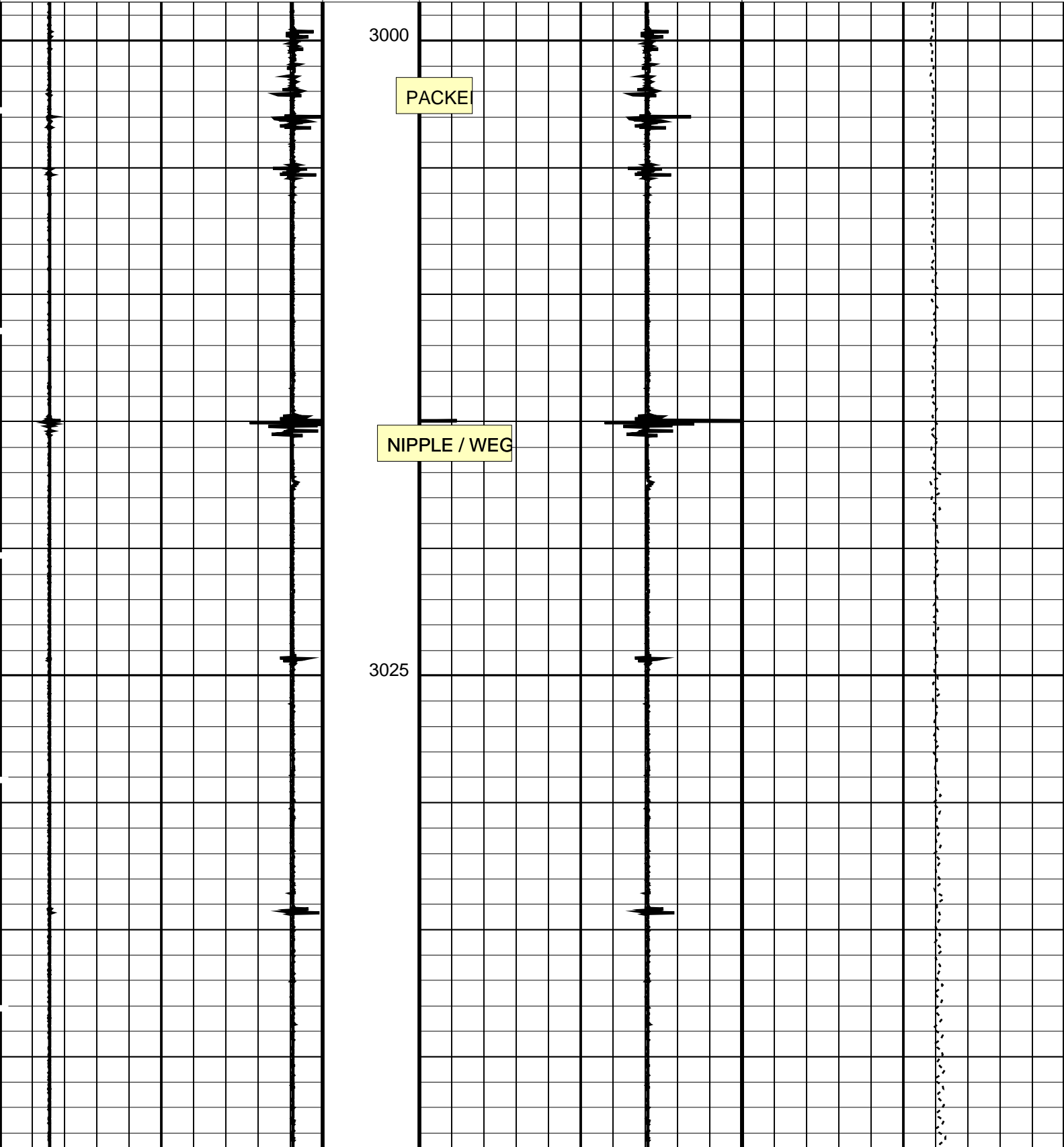
Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
CEMENT BAILER	Used	3062.5	3062.4	Thu Feb 25 12:07:46 201

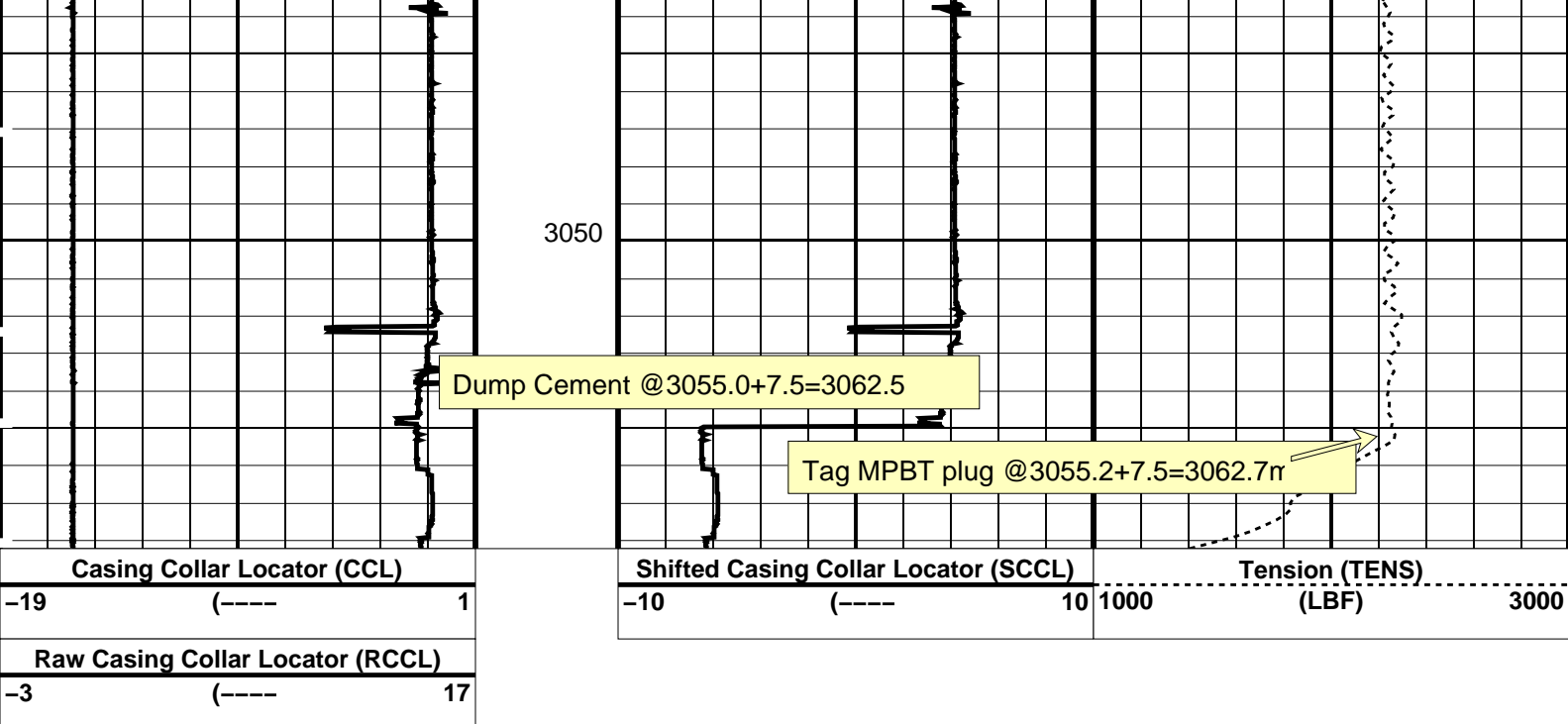
PIP SUMMARY

 Time Mark Every 60 S

Raw Casing Collar Locator (RCCL)		
-3	(----	17
Casing Collar Locator (CCL)		
-19	(----	1

Shifted Casing Collar Locator (SCCL)		Tension (TENS)	
-10	(----	1000	3000
		(LBF)	





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: CCLLog Vertical Scale: 1:200

Graphics File Created: 25-Feb-2010 12:05

OP System Version: 17C0-154

SHM_GUN 17C0-154 CCL-L 17C0-154

Output DLIS Files

DEFAULT PERFO_056LUP FN:59 PRODUCER 25-Feb-2010 12:05

Schlumberger

Water Bailer #1 Dump Record

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
-----	-----	-----	-----	-----
WATER	Used	3062.5	3062.5	Thu Feb 25 09:57:18 201
BAILER				

Output DLIS Files

DEFAULTPERFO_054LUPFN:57PRODUCER25-Feb-2010 09:543058.2 M2996.8 M

OP System Version: 17C0-154

SHM_GUN17C0-154CCL-L17C0-154

PIP SUMMARY

Time Mark Every 60 S

Raw Casing Collar Locator (RCCL)

-3(-----)17

Casing Collar Locator (CCL)

-19(-----)1

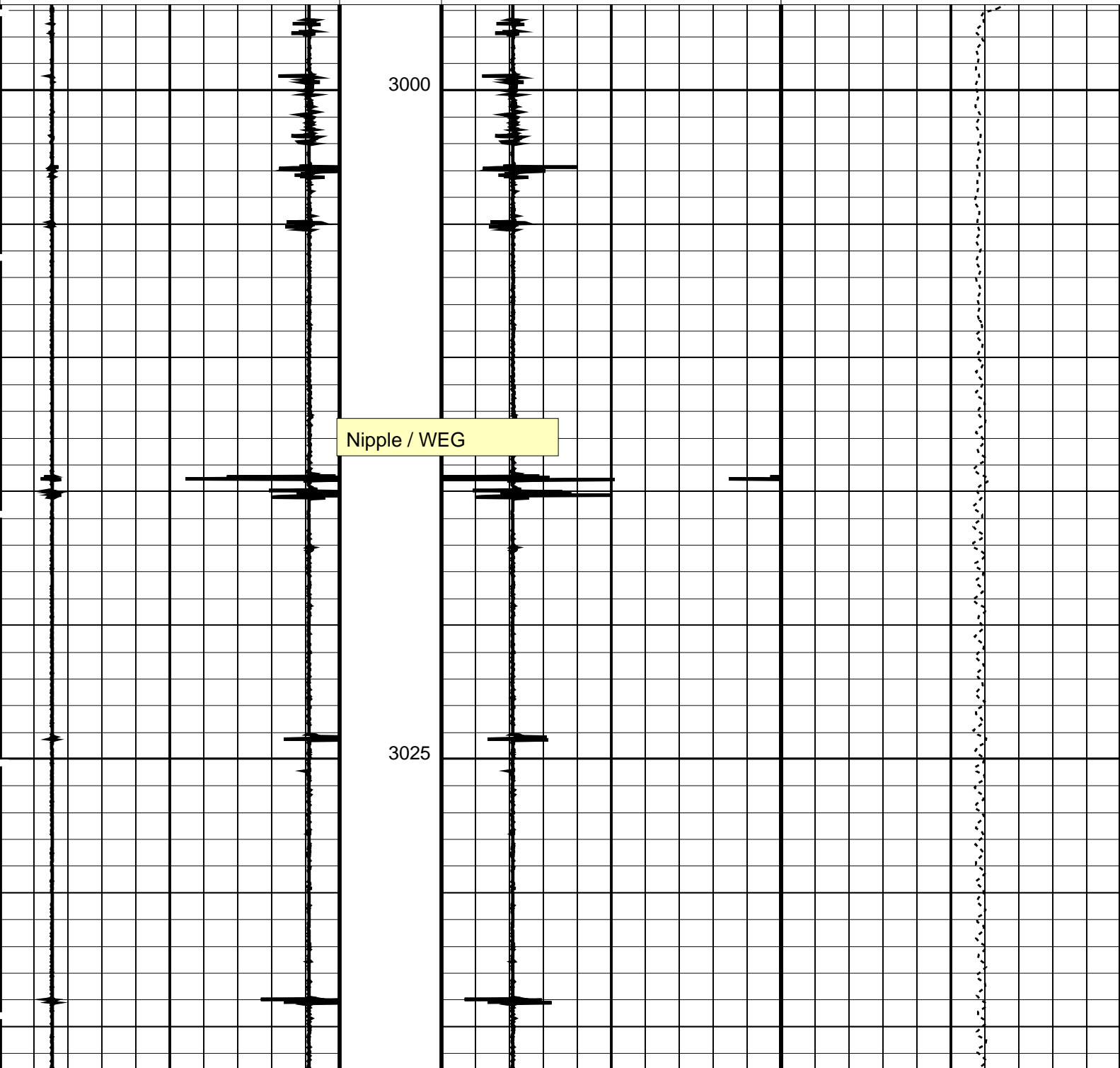
Shifted Casing Collar Locator (SCCL)

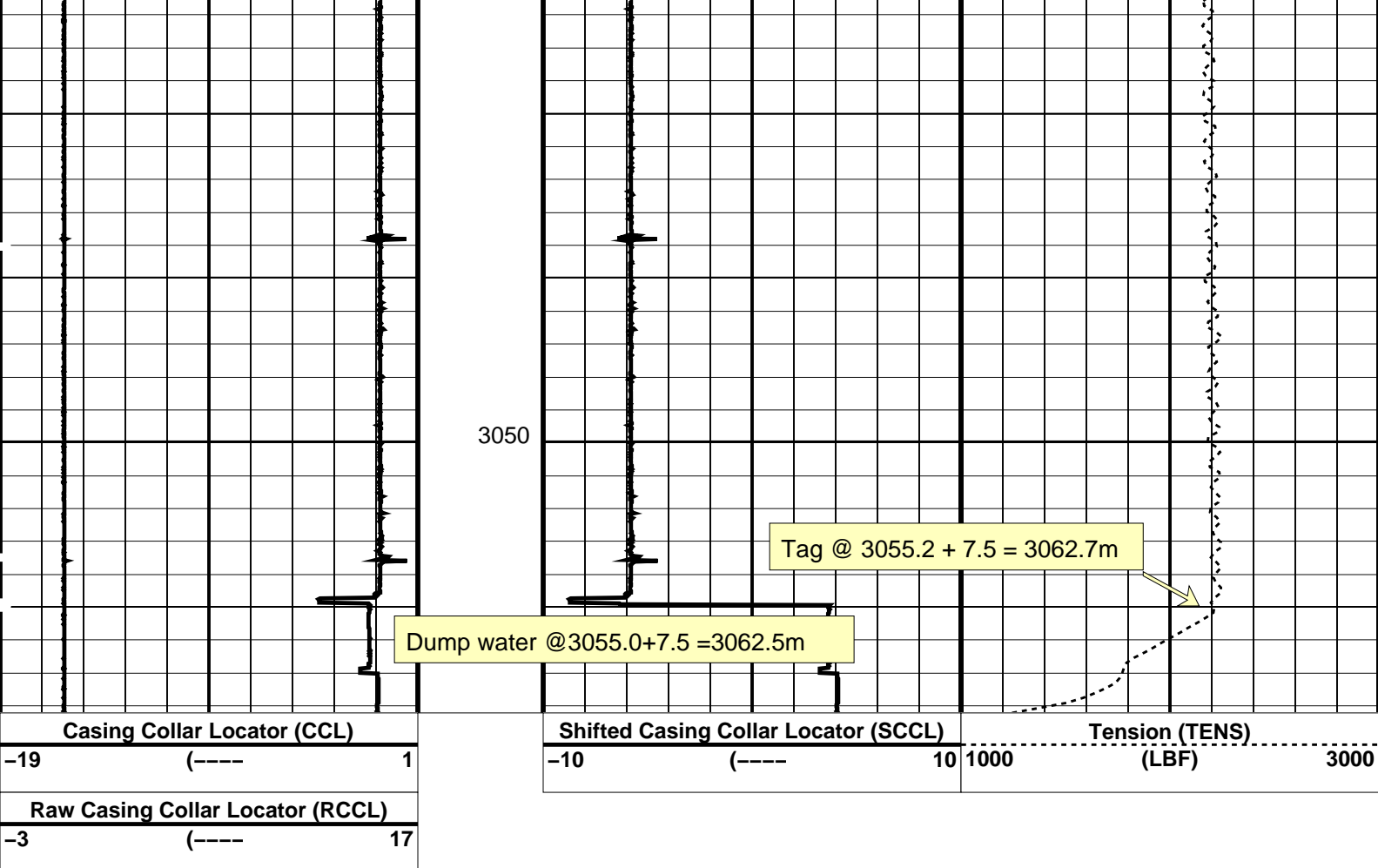
-10(-----)10

Tension (TENS)

(LBF)

10003000





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: CCLLog Vertical Scale: 1:200

Graphics File Created: 25-Feb-2010 09:54

OP System Version: 17C0-154

SHM_GUN 17C0-154 CCL-L 17C0-154

Output DLIS Files

DEFAULT PERFO_054LUP FN:57 PRODUCER 25-Feb-2010 09:54

Schlumberger

MPBT
Log Out of Position

MAXIS Field Log

Output DLIS Files

DEFAULT

MPBT_046LUP

FN:49

PRODUCER

24-Feb-2010 17:20

OP System Version: 17C0-154

MPEX-AA
CCL-L

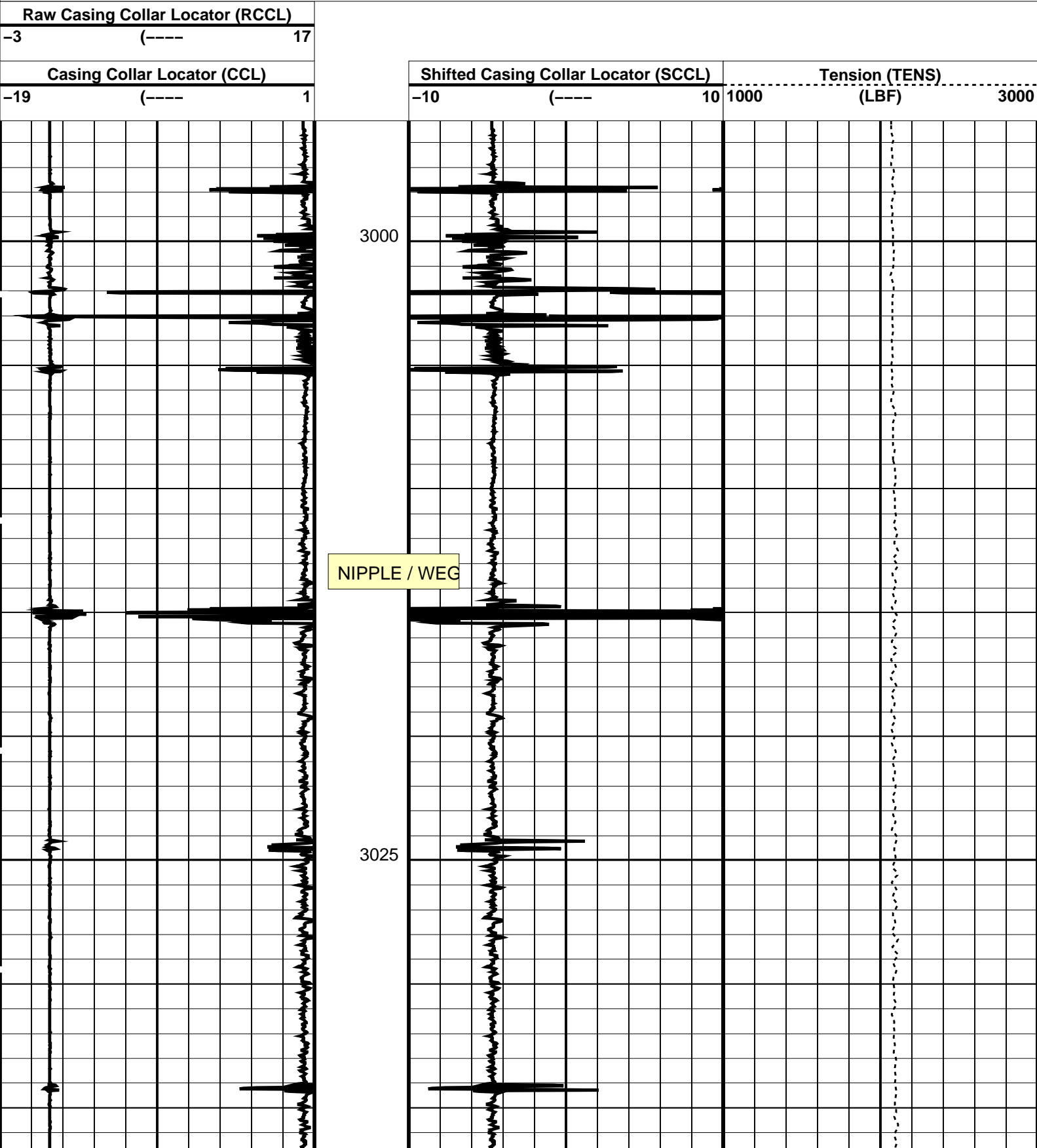
17C0-154
17C0-154

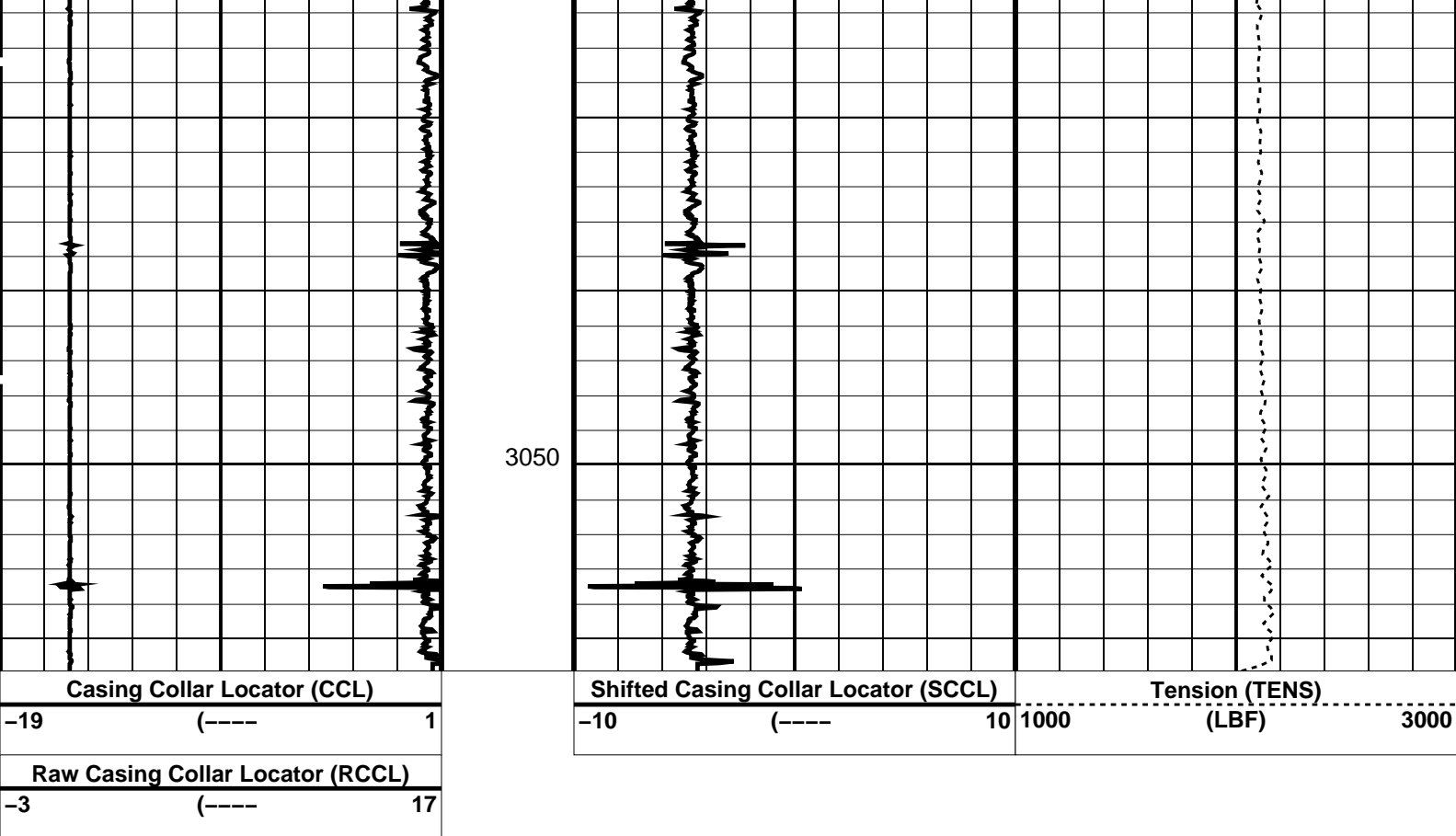
MPSU-CA

17C0-154

PIP SUMMARY

Time Mark Every 60 S





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: CCLLog Vertical Scale: 1:200 Graphics File Created: 24-Feb-2010 17:20

OP System Version: 17C0-154

MPEX-AA	17C0-154	MPSU-CA	17C0-154
CCL-L	17C0-154		

Output DLIS Files

DEFAULT	MPBT_046LUP	FN:49	PRODUCER	24-Feb-2010 17:20
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Schlumberger

**MPBT
Setting Record**

MAXIS Field Log

PERFO2 Operational Summary Listing

Device Status Req Depth (M) Obs Depth (M) Time Used

Company: Esso Australia Pty Ltd. Well: FLOUNDER A15

Output DLIS Files

DEFAULT MPBT_044LUP FN:47 PRODUCER 24-Feb-2010 16:52

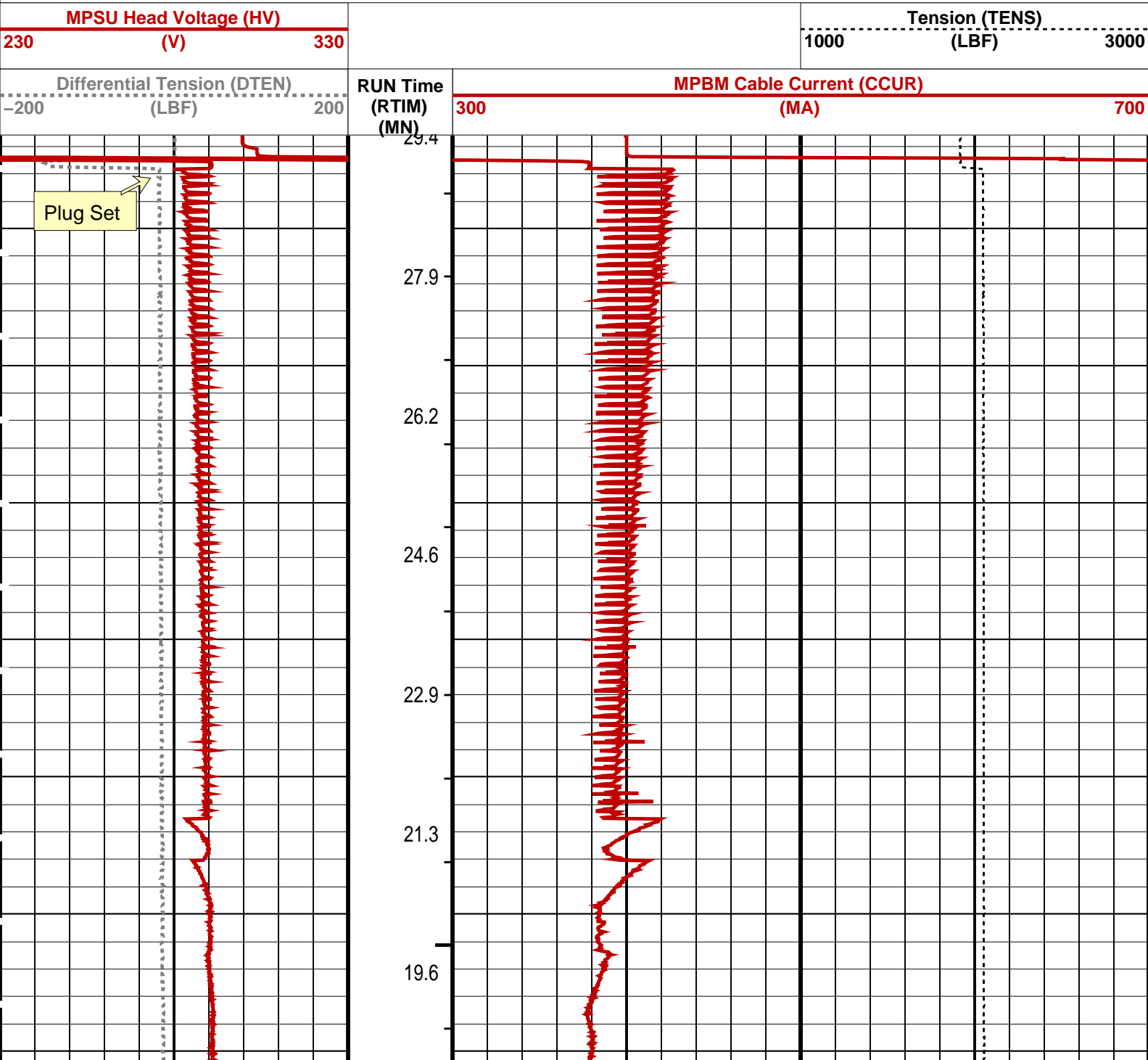
OP System Version: 17C0-154

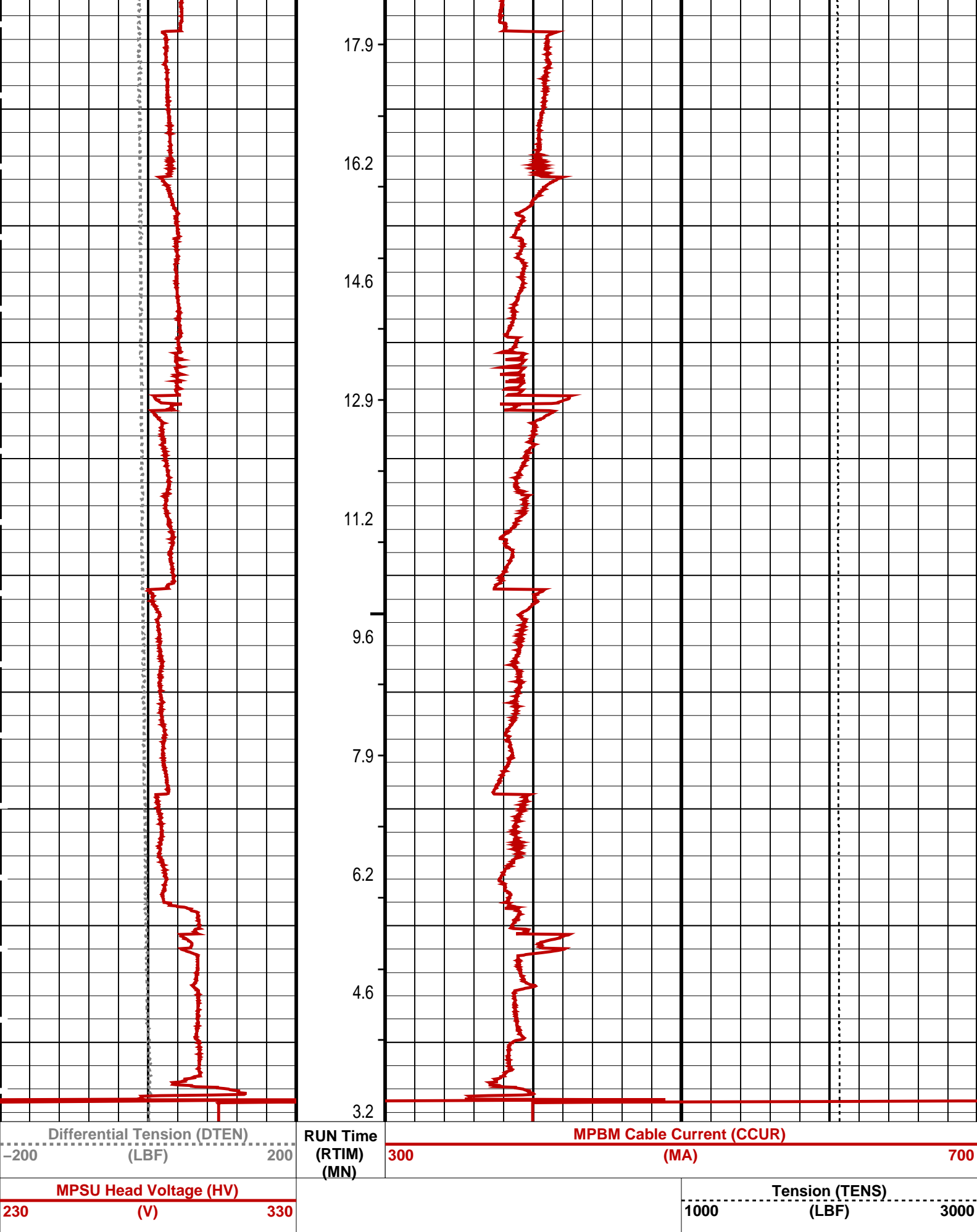
MPEX-AA 17C0-154 MPSU-CA 17C0-154
CCL-L 17C0-154

PIP SUMMARY

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

Time Mark Every 60 S





PIP SUMMARY

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

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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MPSU-CA: MECHANICAL PLUGBACK SETTING UNIT IPUMP	Intensifier Pump	TRUE
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Format: MPBT_1 Vertical Scale: 1:1000

Graphics File Created: 24-Feb-2010 16:52

OP System Version: 17C0-154

MPEX-AA	17C0-154	MPSU-CA	17C0-154
CCL-L	17C0-154		

Output DLIS Files

DEFAULT	MPBT_044LUP	FN:47	PRODUCER	24-Feb-2010 16:52
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Schlumberger

MPBT Correlation

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: FLOUNDER A15

Output DLIS Files

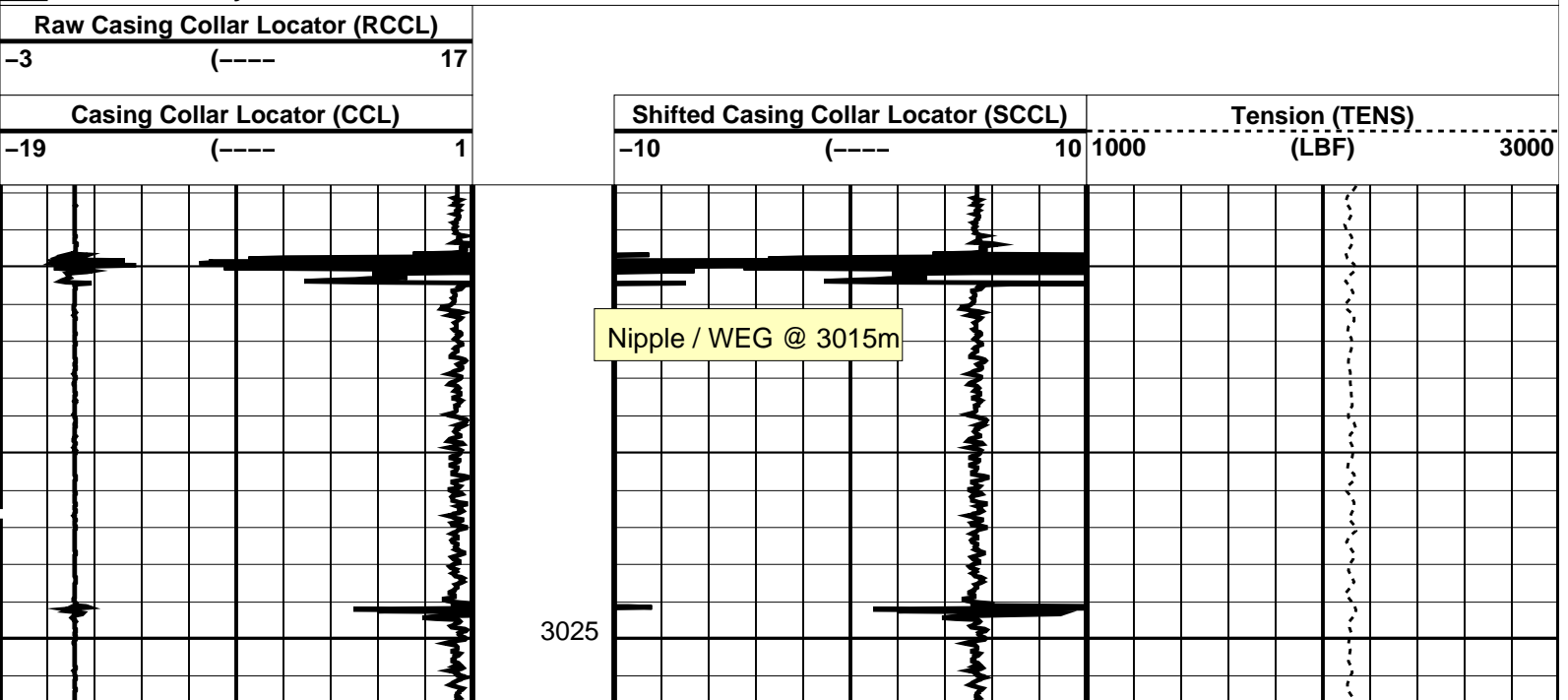
DEFAULT	MPBT_041LUP	FN:44	PRODUCER	24-Feb-2010 16:38	3056.5 M	3012.8 M
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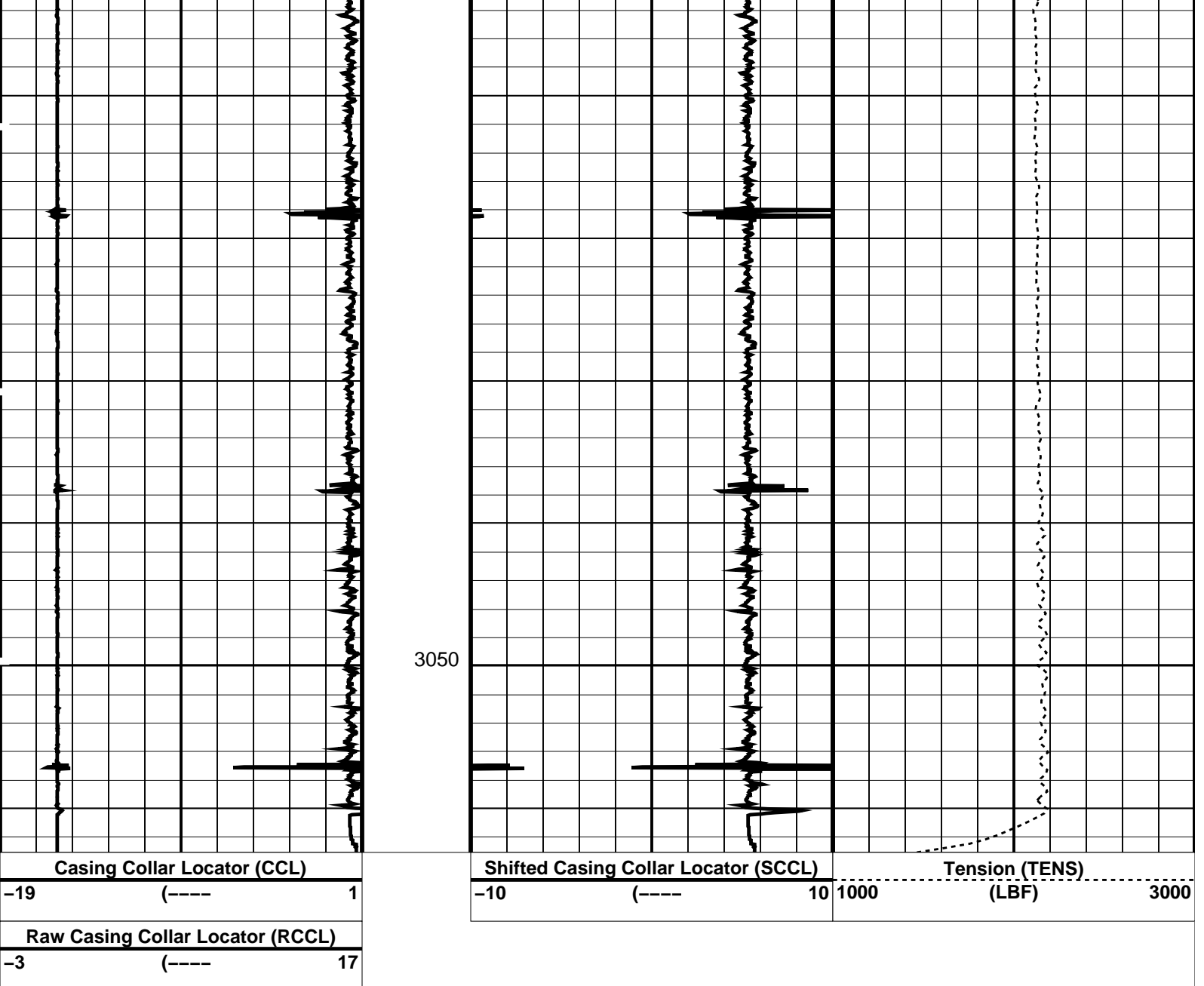
OP System Version: 17C0-154

MPEX-AA	17C0-154	MPSU-CA	17C0-154
CCL-L	17C0-154		

PIP SUMMARY

Time Mark Every 60 S





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: CCLLog Vertical Scale: 1:200

Graphics File Created: 24-Feb-2010 16:38

OP System Version: 17C0-154

MPEX-AA	17C0-154	MPSU-CA	17C0-154
CCL-L	17C0-154		

Output DLIS Files

DEFAULT	MPBT_041LUP	FN:44	PRODUCER	24-Feb-2010 16:38
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Company: Esso Australia Pty Ltd.

Well: FLOUNDER A15

Input DLIS Files

DEFAULTPSP_037LUP

FN:36PRODUCER24-Feb-2010 13:303072.7 M2979.1 M

Output DLIS Files

DEFAULTPSP_037PUP

FN:39PRODUCER24-Feb-2010 14:023071.6 M2978.0 M

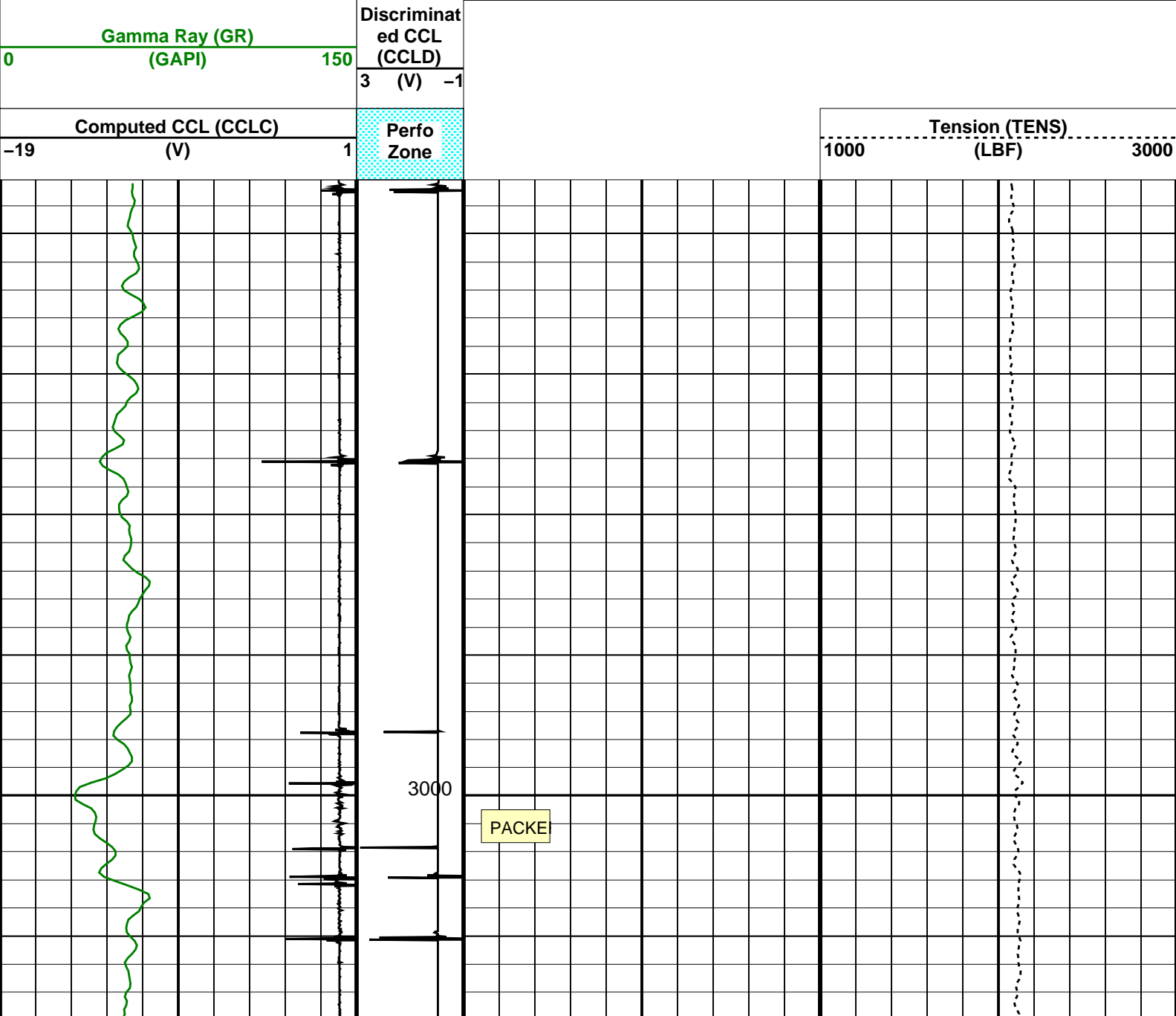
CUSTPSP_037PUC

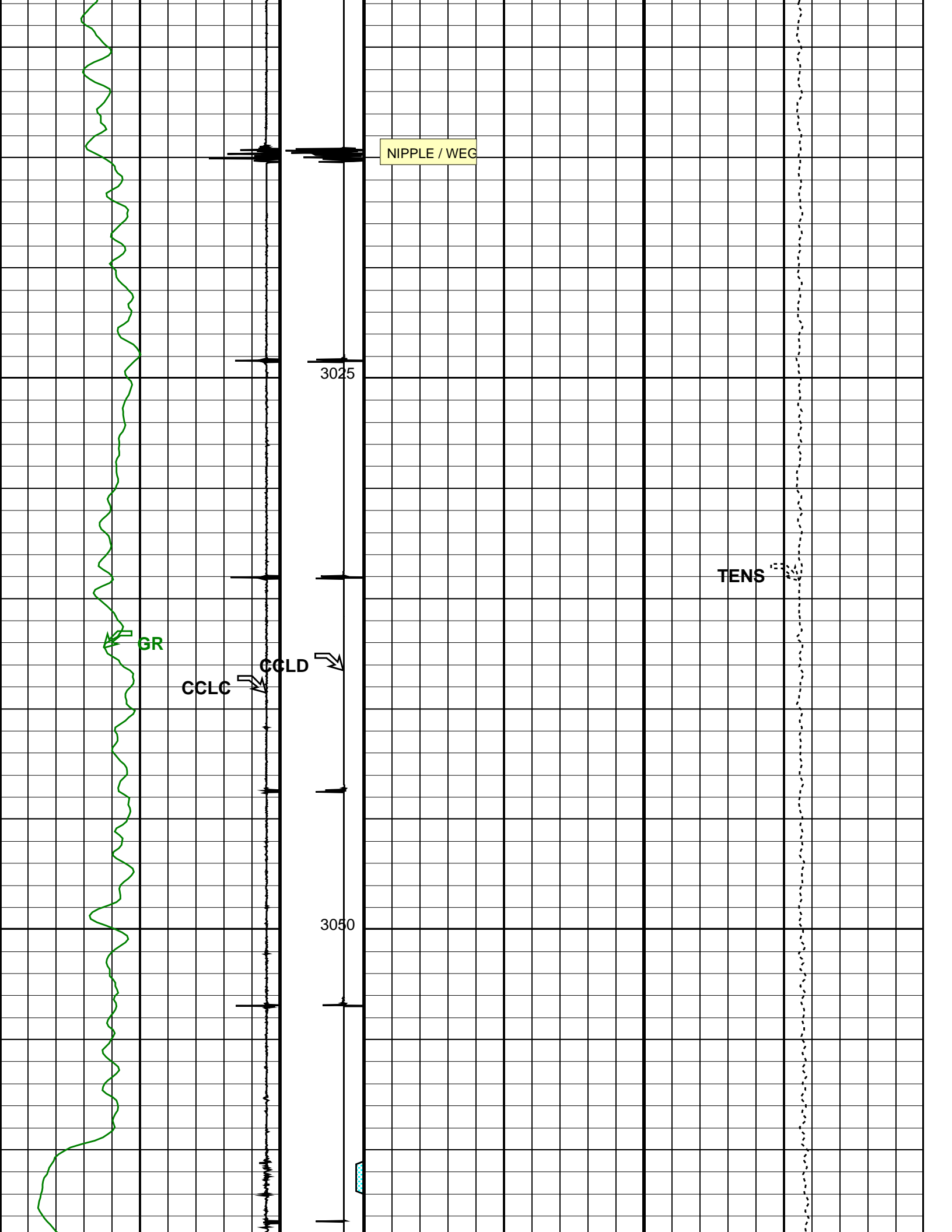
FN:40CUSTOMER24-Feb-2010 14:023071.6 M2978.0 M

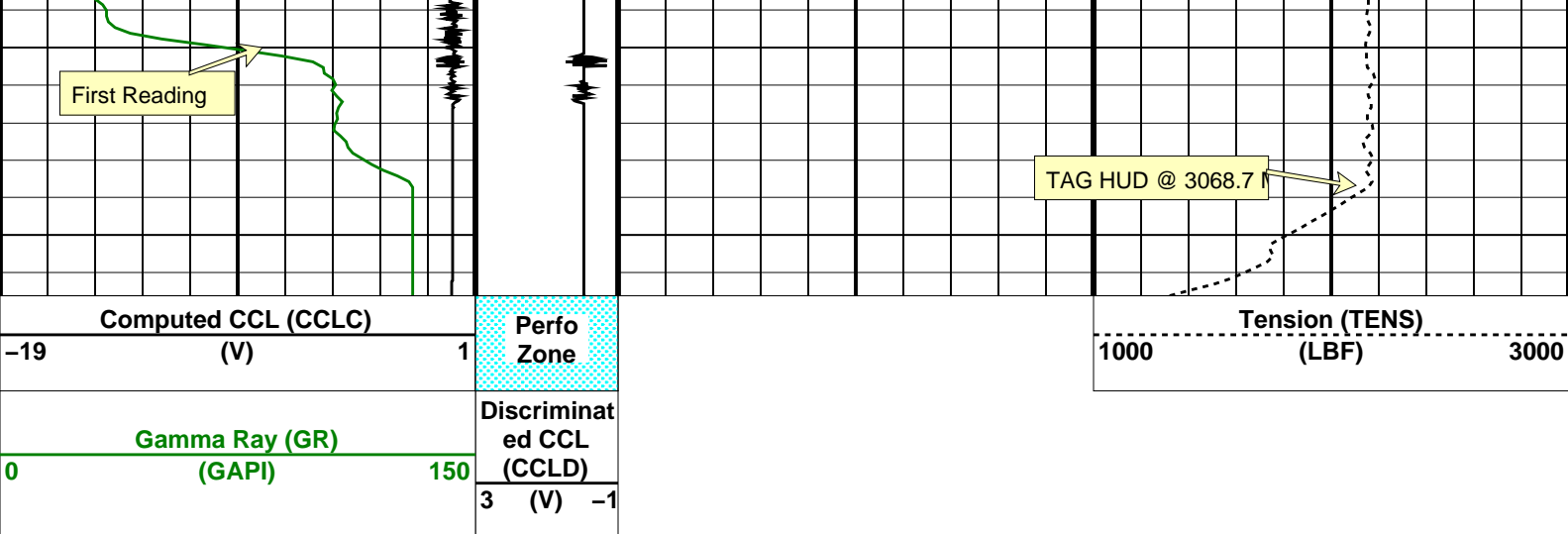
OP System Version: 17C0-154

PSPT

SRPC-3870_Q3_2009_OP17_V3







Parameters						
DLIS Name		Description			Value	
System and Miscellaneous						
DO		Depth Offset for Playback			-1.0	M
PP		Playback Processing			NORMAL	
Format: CORRELATION		Vertical Scale: 1:200			Graphics File Created: 24-Feb-2010 14:02	
OP System Version: 17C0-154						
PSPT		SRPC-3870_Q3_2009_OP17_V3				
Input DLIS Files						
DEFAULT	PSP_037LUP	FN:36	PRODUCER	24-Feb-2010 13:30	3072.7 M	2979.1 M
Output DLIS Files						
DEFAULT	PSP_037PUP	FN:39	PRODUCER	24-Feb-2010 14:02		
CUST	PSP_037PUC	FN:40	CUSTOMER	24-Feb-2010 14:02		

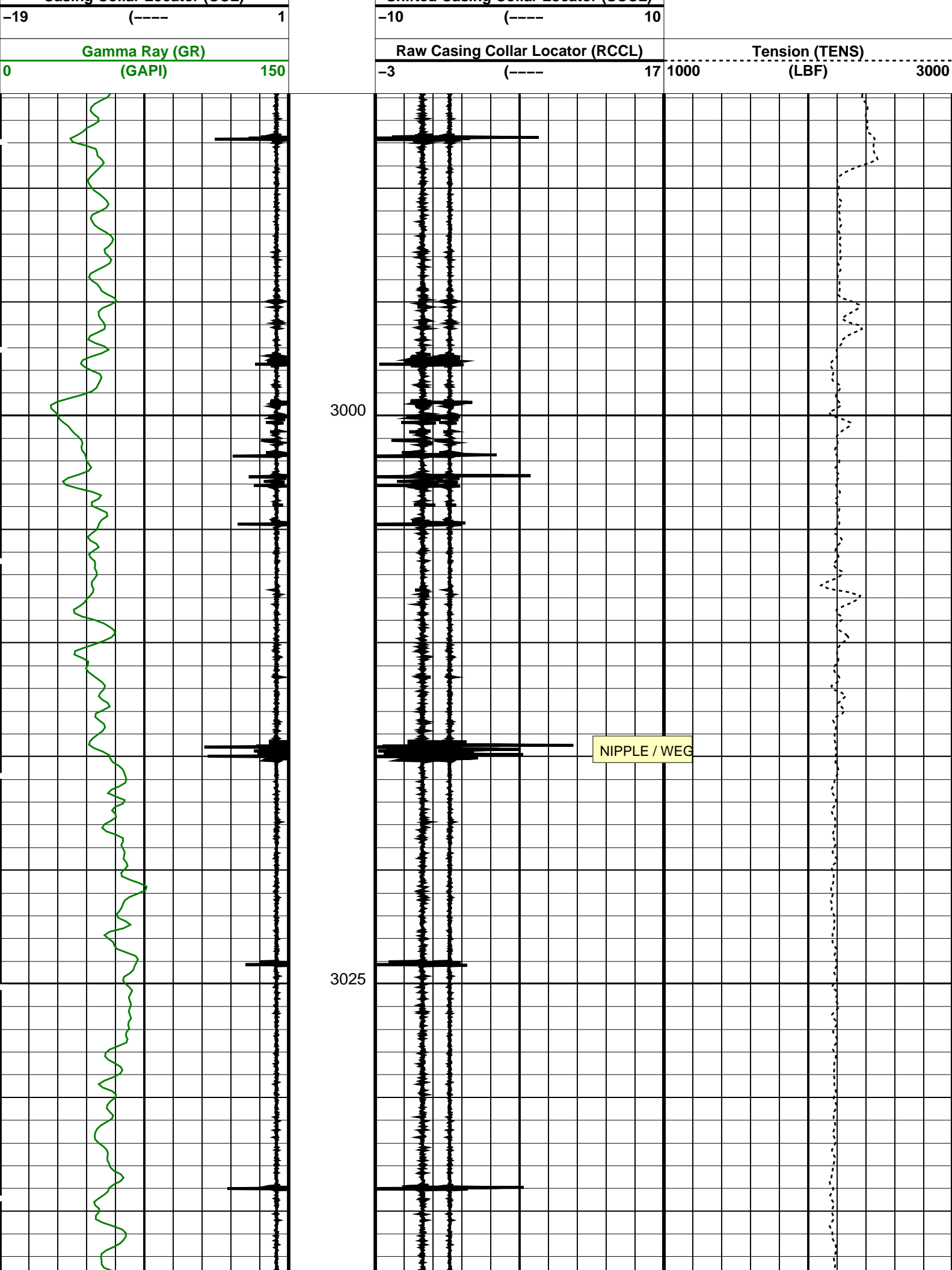


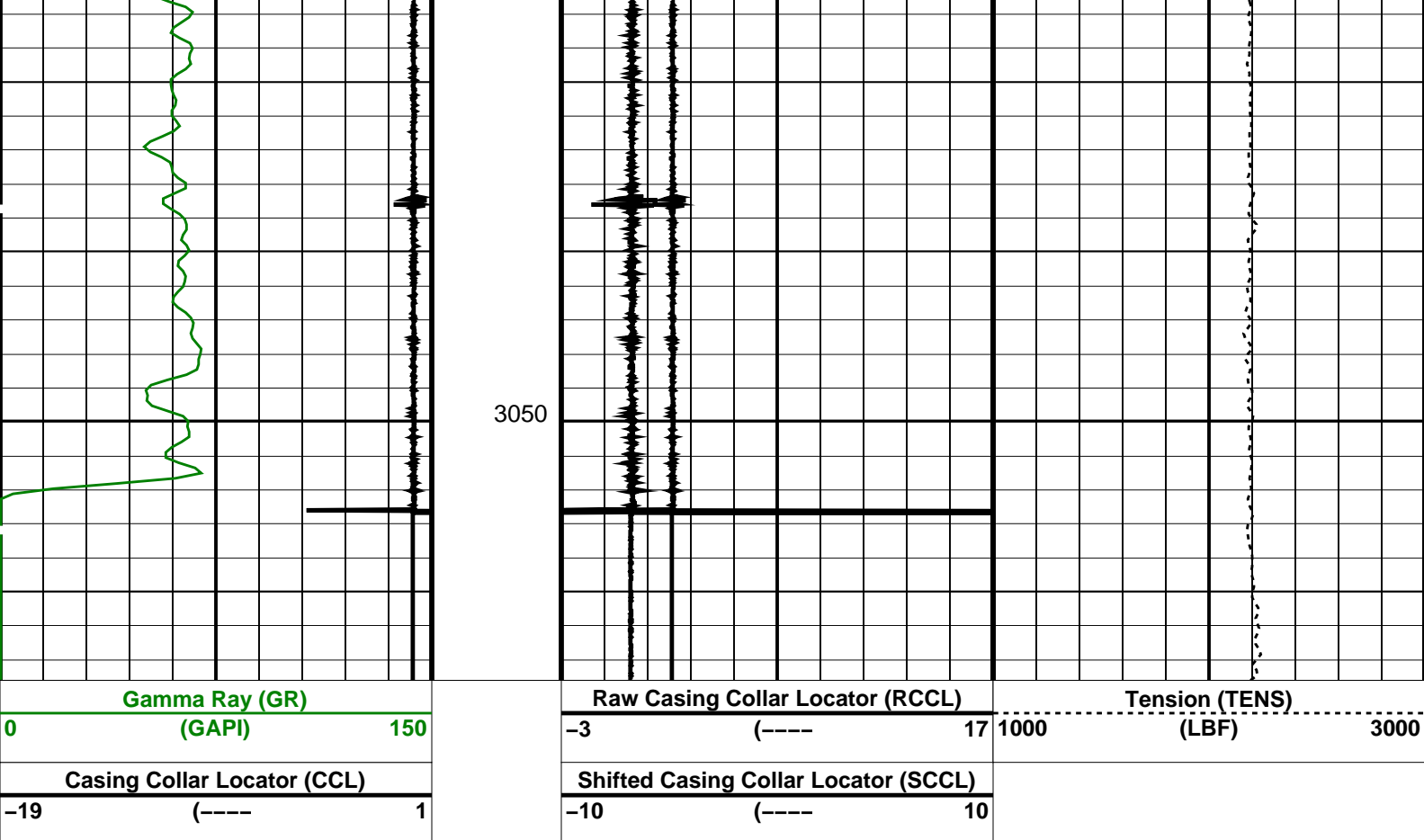
2-1/8" Ph. Powerjets
Log Out of Position

MAXIS Field Log

Company: Esso Australia Pty Ltd.					Well: FLA A15	
Output DLIS Files						
DEFAULT	PERFO_031LUP	FN:30	PRODUCER	24-Feb-2010 09:57	3057.6 M	2985.8 M
OP System Version: 17C0-154						
SHM_GUN	17C0-154		SAFE	17C0-154		
UPCT-A	17C0-154					
PIP SUMMARY						
<div><div></div>Time Mark Every 60 S</div>						

Casing Collar Locator (CCL)		Shifted Casing Collar Locator (SCCL)	
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PIP SUMMARY			
Time Mark Every 60 S			
Format: CCLLog		Vertical Scale: 1:200	
Graphics File Created: 24-Feb-2010 09:57			
OP System Version: 17C0-154			
SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		
Output DLIS Files			
DEFAULT	PERFO_031LUP	FN:30	PRODUCER 24-Feb-2010 09:57



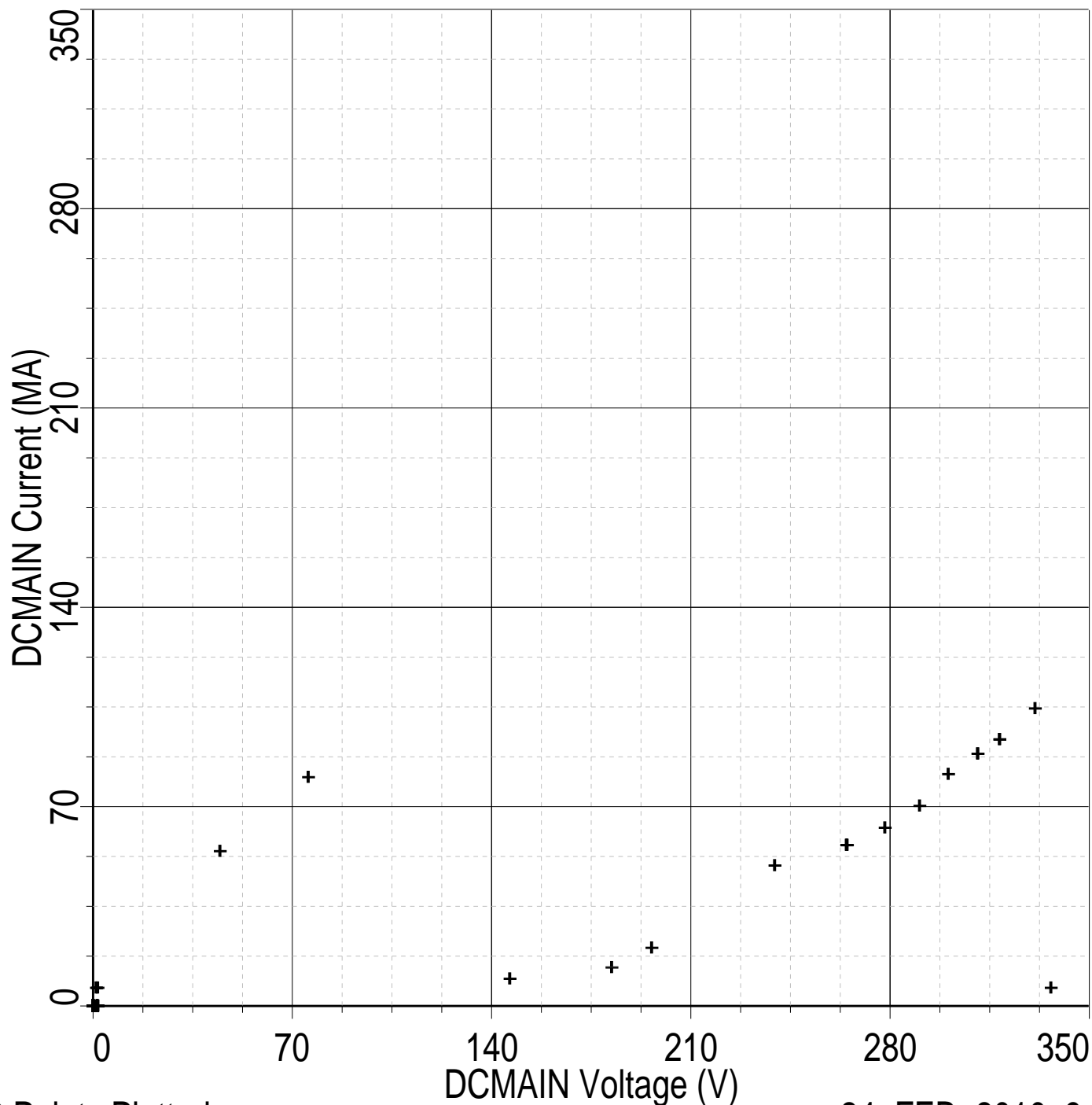
2-1/8" Ph. Powerjets
ESIC Activation

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	3060.5	3060.5	Wed Feb 24 09:56:01 2010

Index: 12192.0 – 12176.0 M



62 Points Plotted

24-FEB-2010 9:56

Company: Esso Australia Pty Ltd.

Well: FLA A23a

Output DLIS Files

DEFAULT	PERFO_030LUP	FN:29	PRODUCER	24-Feb-2010 09:55	12192.0 M	12176.0 M
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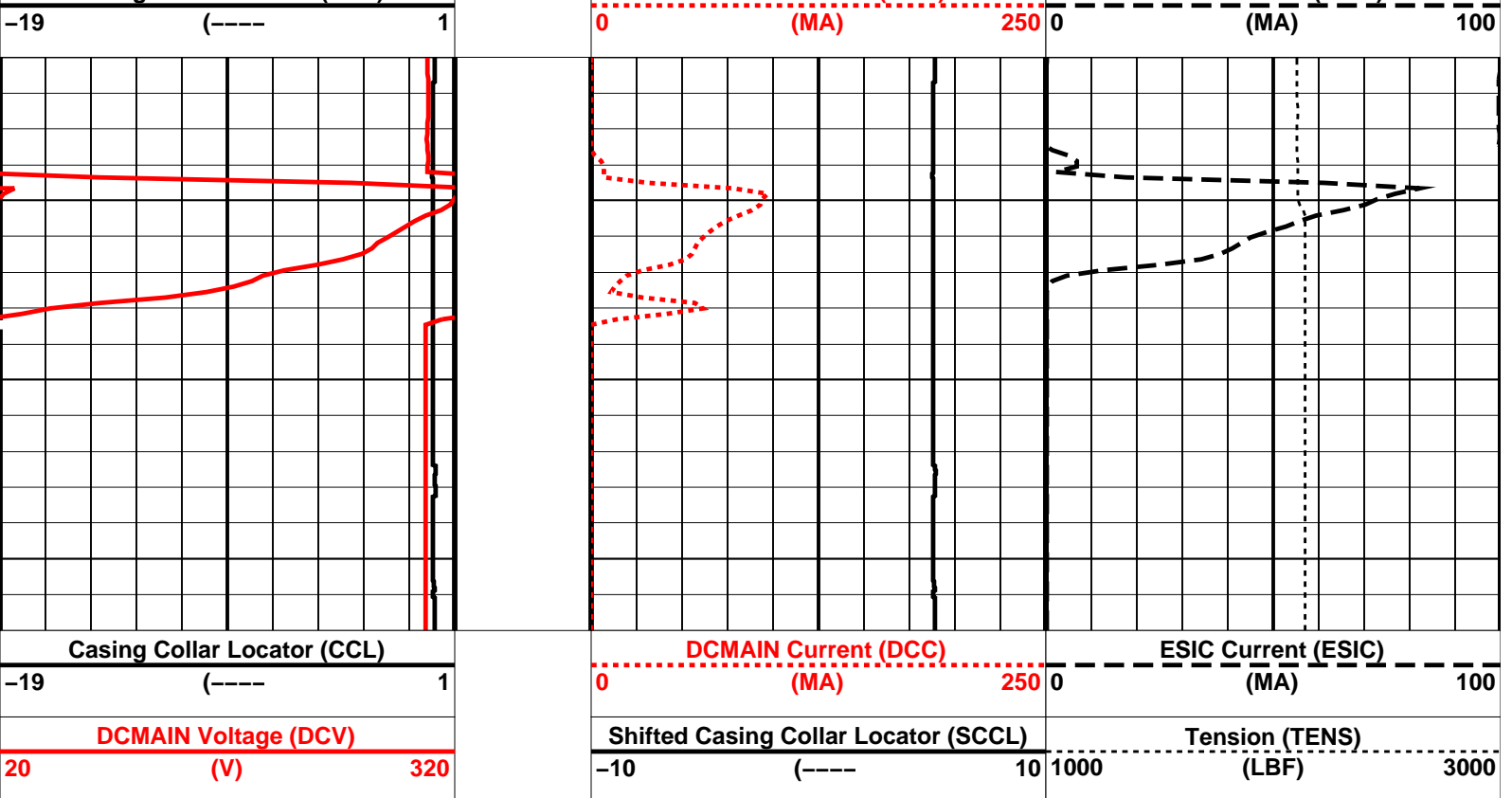
OP System Version: 17C0-154

SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		

PIP SUMMARY

Time Mark Every 60 S

DCMAIN Voltage (DCV)		Shifted Casing Collar Locator (SCCL)		Tension (TENS)	
20	(V)	320		1000	(LBF)
Casing Collar Locator (CCL)		DCMAIN Current (DCC)		ESIC Current (ESIC)	



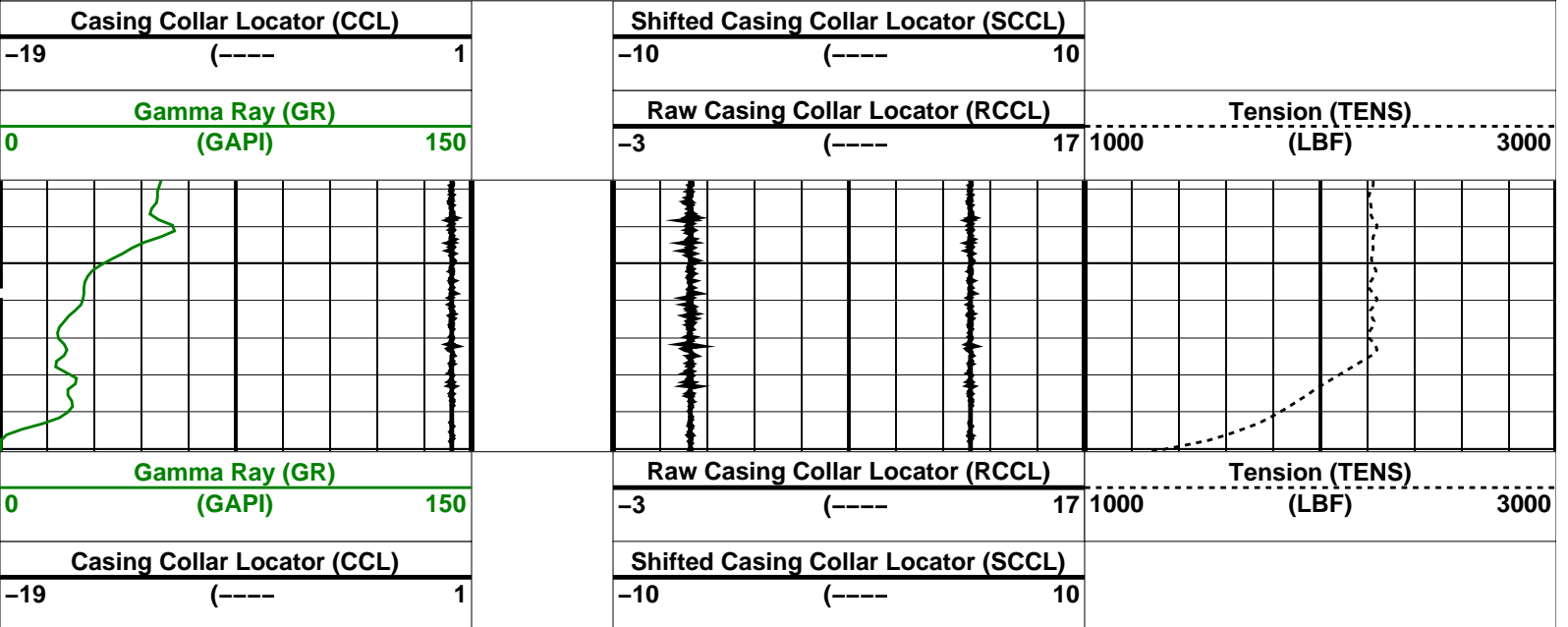
PIP SUMMARY			
Time Mark Every 60 S			
Parameters			
DLIS Name	Description	Value	
SAFE	SAFE DETONATING SYSTEM		
ESDT	ESIC Shot Depth Temperature	110	DEGC
Format: PERFO	Vertical Scale: 1:200	Graphics File Created: 24-Feb-2010 09:55	
OP System Version: 17C0-154			
SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		
Output DLIS Files			
DEFAULT	PERFO_030LUP	FN:29	PRODUCER 24-Feb-2010 09:55



2-1/8" Ph. Powerjets
Log Into Position

PIP SUMMARY

Time Mark Every 60 S



PIP SUMMARY

Time Mark Every 60 S

Format: CCLLog	Vertical Scale: 1:200	Graphics File Created: 24-Feb-2010 09:51
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OP System Version: 17C0-154

Output DLIS Files

DEFAULT	PERFO_028LUP	FN:27	PRODUCER	24-Feb-2010 09:51
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Schlumberger

2-1/8" Ph. Powerjets
Correlation Log

MAXIS Field Log

Company: Esso Australia Pty Ltd.	Well: FLA A15
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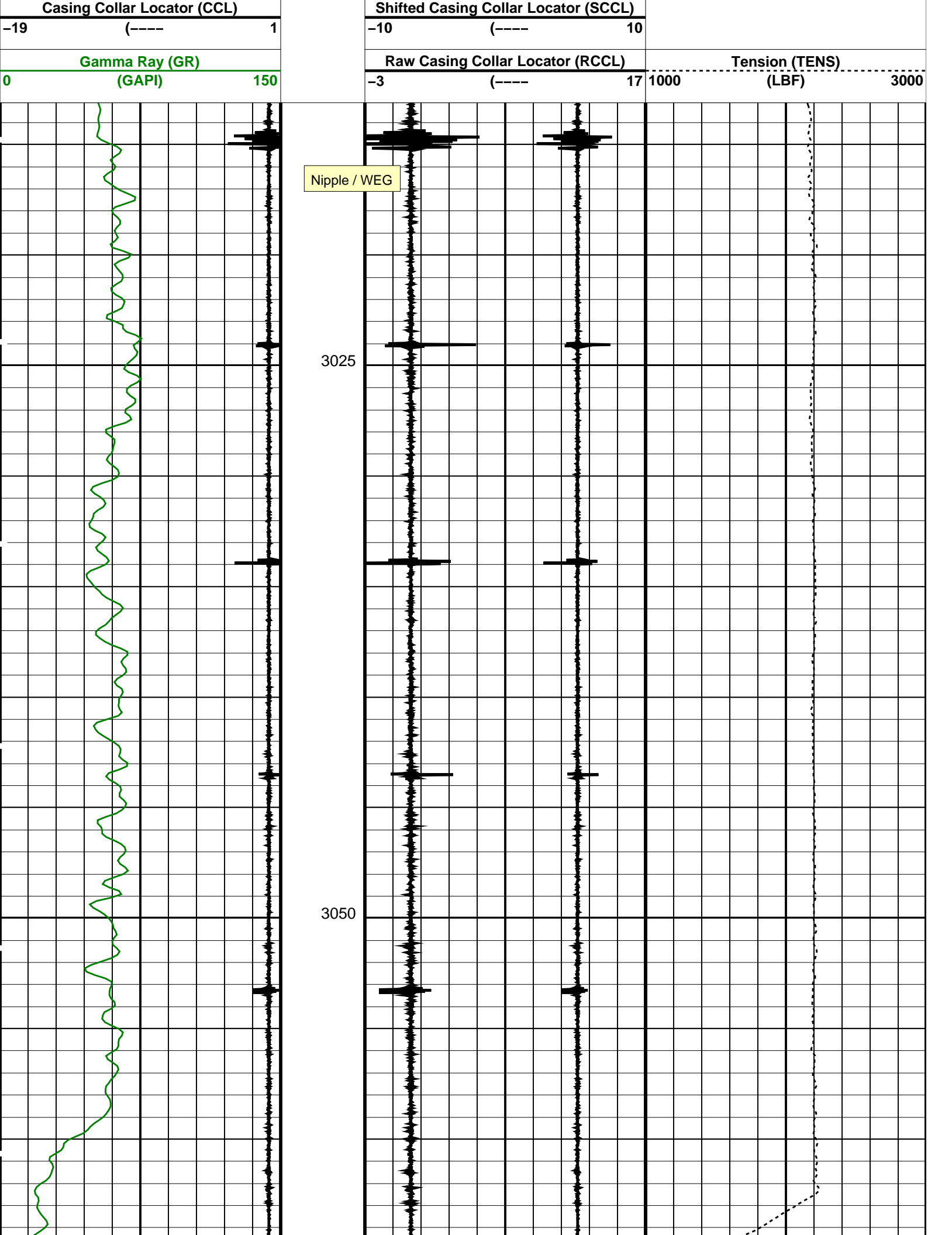
Output DLIS Files

DEFAULT	PERFO_027LUP	FN:26	PRODUCER	24-Feb-2010 09:36	3064.9 M	3013.1 M
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OP System Version: 17C0-154

PIP SUMMARY

Time Mark Every 60 S



Gamma Ray (GR)			Raw Casing Collar Locator (RCCL)			Tension (TENS)		
0	(GAPI)	150	-3	(----	17	1000	(LBF)	3000
Casing Collar Locator (CCL)			Shifted Casing Collar Locator (SCCL)					
-19	(----	1	-10	(----	10			

PIP SUMMARY

Time Mark Every 60 S

Format: CCLLog Vertical Scale: 1:200

Graphics File Created: 24-Feb-2010 09:36

OP System Version: 17C0-154

SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		

Output DLIS Files

DEFAULT PERFO_027LUP FN:26 PRODUCER 24-Feb-2010 09:36

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **FLOUNDER A15**

Field: **FLOUNDER**

Rig: Crane / Prod#4

Country: **Australia**

2 1/8" Phased Powerjet
Perforation and MPBT Plug Setting
24-Feb-2010