



Company: **Esso Australia Pty Ltd.**

Well: **A-26**

Field: **Bream A**

Rig : **Prod4 / Crane**

Country: **Australia**

2 1/8" Powerjet Perforation Record
4.5" Posiset Plug
Setting Record

Prod4 / Crane	
Bream A	
Gippsland	
A-26	
Esso Australia Pty Ltd.	
LOCATION	
Gippsland	Elev.: K.B. 33.5 m
Basin	G.L. -59 m
Bass Strait	D.F. 33.5 m
Permanent Datum:	M.S.L. _____
Log Measured From:	D.F. _____
Drilling Measured From:	D.F. _____
State : Victoria	Max. Well Deviation 72 deg
	Longitude 147 46'15"E
	Latitude 038 30'04"S

Logging Date	6-Oct-2007
Run Number	One
Depth Driller	4326 m
Schlumberger Depth	4323 m
Bottom Log Interval	4323 m
Top Log Interval	4250 m
Casing Fluid Type	Production Fluids
Salinity	
Density	
Fluid Level	1790 m
BIT/CASING/TUBING STRING	
Bit Size	8.500 in
From	
To	
Casing/Tubing Size	4.500 in
Weight	11.6 lbm/ft
Grade	13-CR
From	3501 m
To	4346 m
Maximum Recorded Temperatures	206 degF
Logger On Bottom	6-Oct-2007
Unit Number	889
Recorded By	S Gilbert.
Witnessed By	B White

	Run 1
Oil Density	
Water Salinity	
Gas Gravity	
Bo	
Bw	
1/Bg	
Bubble Point Pressure	
Bubble Point Temperature	
Solution GOR	
Maximum Deviation	72 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: 14-SEP-2007 8:15:45

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:	24425
Calibration Date:	4-Jan-2007	Calibration Date:	05-Sep-2007	Length:	5584.85 M
Calibrator Serial Number:	9	Calibrator Serial Number:	1174	Conveyance Method: Wireline Rig Type: Rigless	
Calibration Cable Type:	2-23ZT	Calibration Gain:	0.95		
Wheel Correction 1:	-2	Calibration Offset:	268.00		
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.

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OTHER SERVICES1
OS1: None
OS2:
OS3:
OS4:
OS5:
REMARKS: RUN NUMBER 1
Log correlated to ExxonMobil composite supplied with logging program.
Maximum well deviation = 72 degrees at 4005 MDKB.
Objective: Perforate the well over the interval 4306.8 m to 4312 m MDKB
using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with
Top of seal @ 4317m MDKB and top with approx 1.3m of
Cement on top .
Refer Gun - GPHD: 2626 G casing - GPHD: 424.2 depth - HHD: 4322 m MDKB

Before Gun	SBHP: 2606.6 psia	SBHT: 194.9 degf	HUD: 4323 m MDKB
After Gun	SBHP: 2608 psia	SBHT: 196.2 degf	
Gun # 1			
Top shot @ 4306.8m MDKB			
CCL to Top Shot : 4.3 m			
CCL Stop Depth : 4302.5 m MDKB			
4.5" Plug			
Top of Seal @ 4317m MDKB			
CCL to top of seal : 6.65 m			
CCL Stop Depth : 4310.35 m MDKB			
SLB Crew: P Lawrence , J Annear			

RUN 1					
SERVICE ORDER #:		AusI07484980			
PROGRAM VERSION:		14C0-302			
FLUID LEVEL:		1790 m			
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT		SURFACE EQUIPMENT	
MWPM-. 3000		MPBM	

DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
AH-SWBS-B 761		15.52	AH-SWBS-B		12.88
AH-SWBS-B 761			AH-SWBS-B 731		
AH-SWBS-B 762		14.83	AH-SWBS-B		12.20
AH-SWBS-B 762			AH-SWBS-B 761		
AH-SWBS-B 763		14.14	AH-SWBS-B		11.51
AH-SWBS-B 763			AH-SWBS-B 762		
MH-SWHS-A 726		13.46	AH-SWBS-B		10.83
AH-124 1001		13.13	AH-SWBS-B		10.14
MWGT-AA 69		12.93	AH-SWBS-B 762		
MWPG-AA 69	MWPG GR		MH-SWHS-A	CCL Tachomete Cable Cur Head Volt Tension	TOOL ZERO
MWGH-AA 69		2.41	MH-SWHS-A 754		9.80
MWPT-CA 74		11.95	CCL-L 4191		
MWPH-AA 74	CCL SMWP Pres SMWP Temp Tension		CCL-L 4191		
MWPS-AA 74		TOOL ZERO	MPSU-BA 20		9.34
			MPSU-BA 20		
AH-Flex Joint 41		9.13			
AH-Flex Joint 41					
AH-122 7002		8.57			
AH-SAH-G 1047		8.47			
AH-SAH-G 1047					
MPD-MB 268		8.01			
MPD-MB 268					
AH-ESIC 26031944		7.47			
AH-ESIC 26031944					

MWP_GUN
GUN-5.2 mtr Phased Powerjet Gun 1

7.02

AH-2" HES Roller Stem
AH-2" HES Roller Stem

1.02

TOOL BOTTOM

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

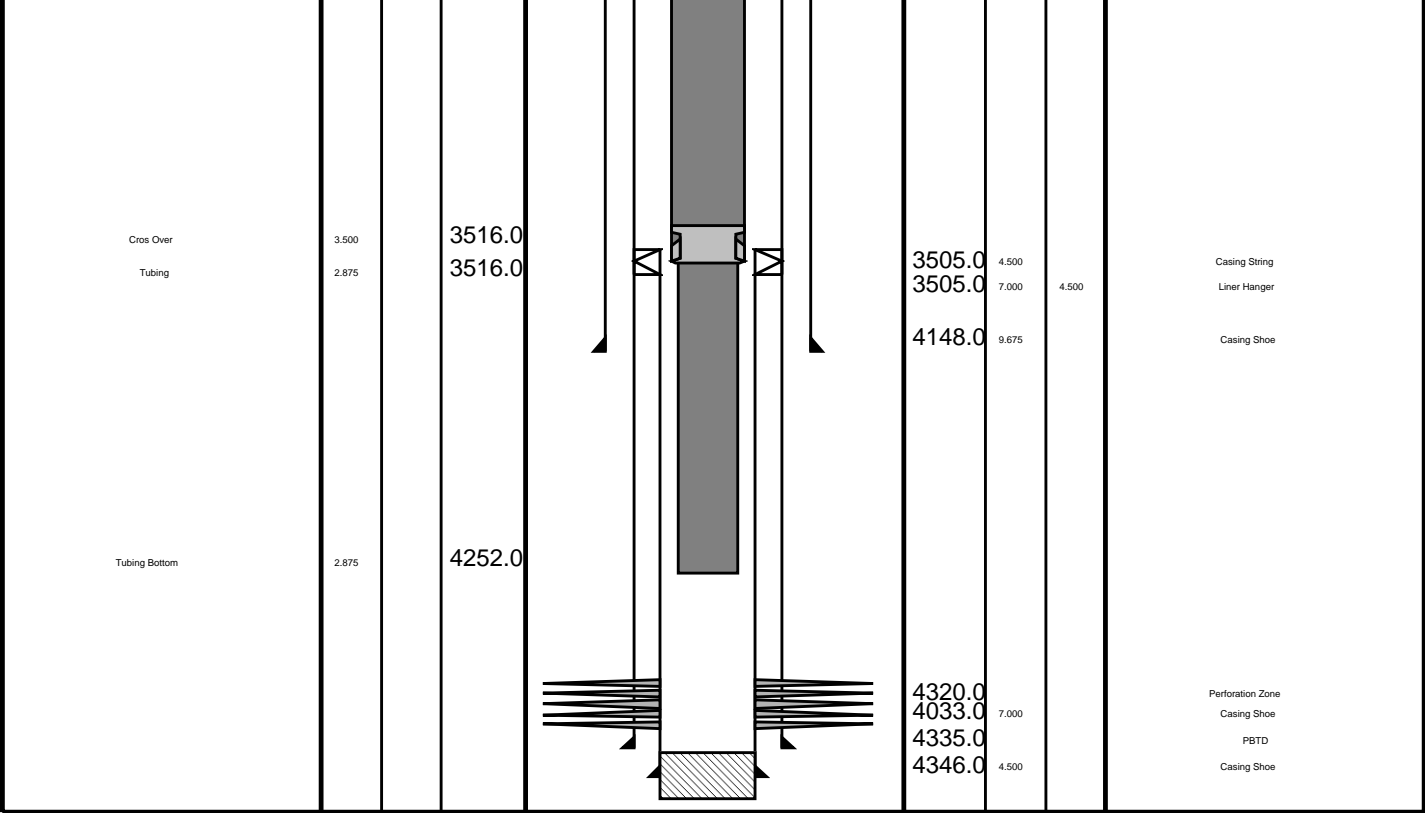
MPEX-AA
MPEX-AA

3.10

TOOL BOTTOM

MAXIMUM STRING DIAMETER 1.71 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		13.8		13.0	13.375		Casing String			
			445.0		13.0				9.675	Casing String	
			811.0		13.0				13.375	9.675	Liner Hanger
			1794.0		12.5				7.000	Casing String	
			2232.0		12.5				9.675	7.000	Liner Hanger
Gas Lift Mandrel	3.500		1794.0		1620.0	13.375	Casing Shoe				
Gas Lift Mandrel	3.500		2232.0								
Nipple	3.500		2248.0								



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Log Pass (up)	6-Oct-2007 17:33	000:08	4321.6 - 4272.7	PERFO_018LUP
Log Pass (up)	6-Oct-2007 17:48	000:15	4319.9 - 4264.0	PERFO_019LUP
Station Log	6-Oct-2007 17:52	000:07	4302.5 - 1.0	PERFO_020LTP
Log Pass (up)	7-Oct-2007 8:41	000:19	4333.2 - 4166.6	PSP_035LUP
Log Pass (up)	7-Oct-2007 13:16	000:05	4295.9 - 4249.9	MPBT_051LUP
Simulated Log	7-Oct-2007 13:36	000:15		MPBT_052LUP
Log Pass (up)	7-Oct-2007 13:52	000:13	4310.3 - 4240.8	MPBT_053LUP
Log Pass (up)	8-Oct-2007 10:24	000:13	4314.3 - 4248.9	PERFO_059LUP
Log Pass (up)	8-Oct-2007 13:26	000:09	4306.8 - 4249.4	PERFO_065LUP



Cement Dump Pass

MAXIS Field Log

Output DLIS Files

DEFAULT PERFO_065LUP FN:64 PRODUCER 08-Oct-2007 13:26 4306.8 M 4249.4 M

OP System Version: 14C0-302
MCM

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

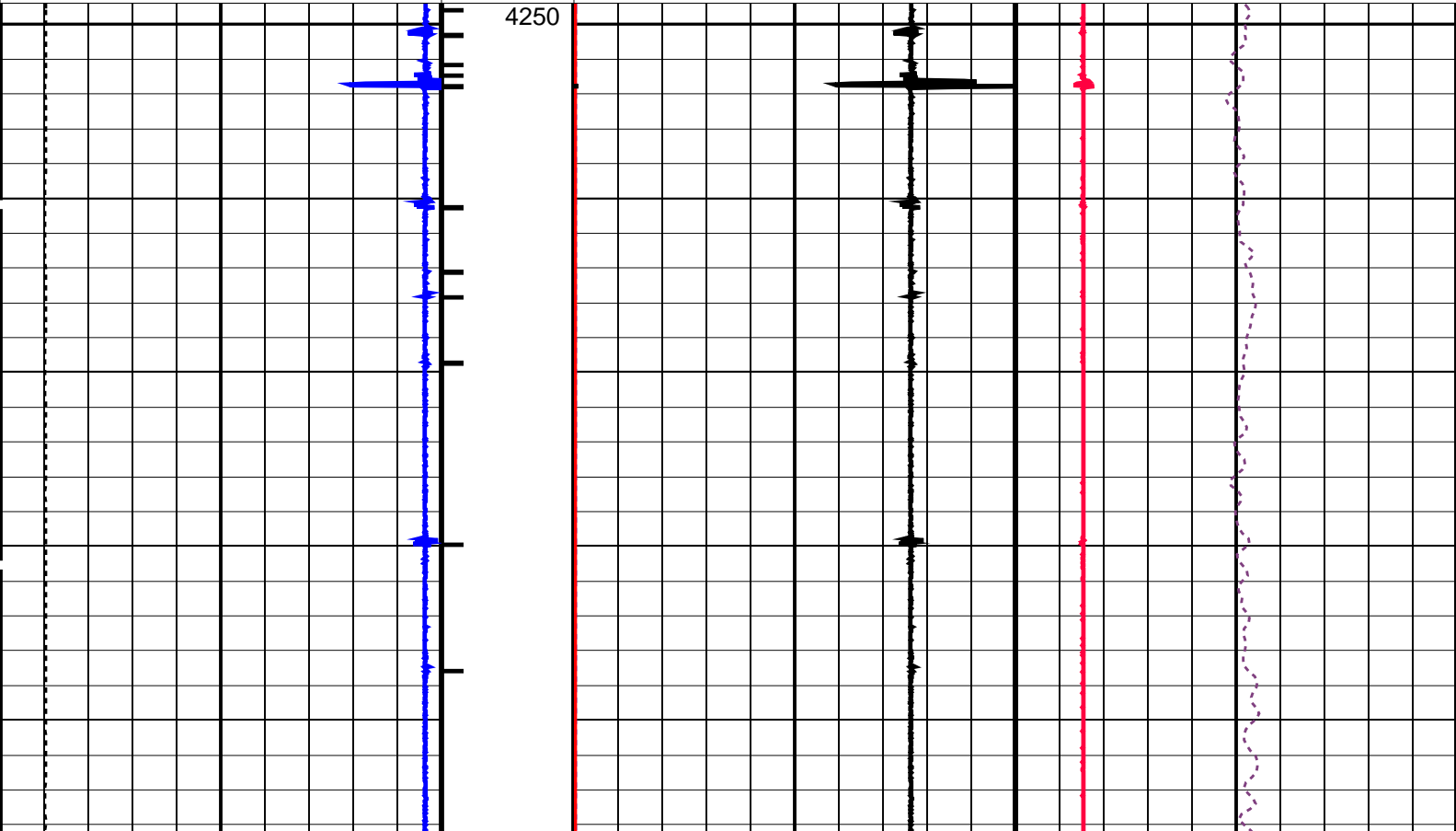
PIP SUMMARY

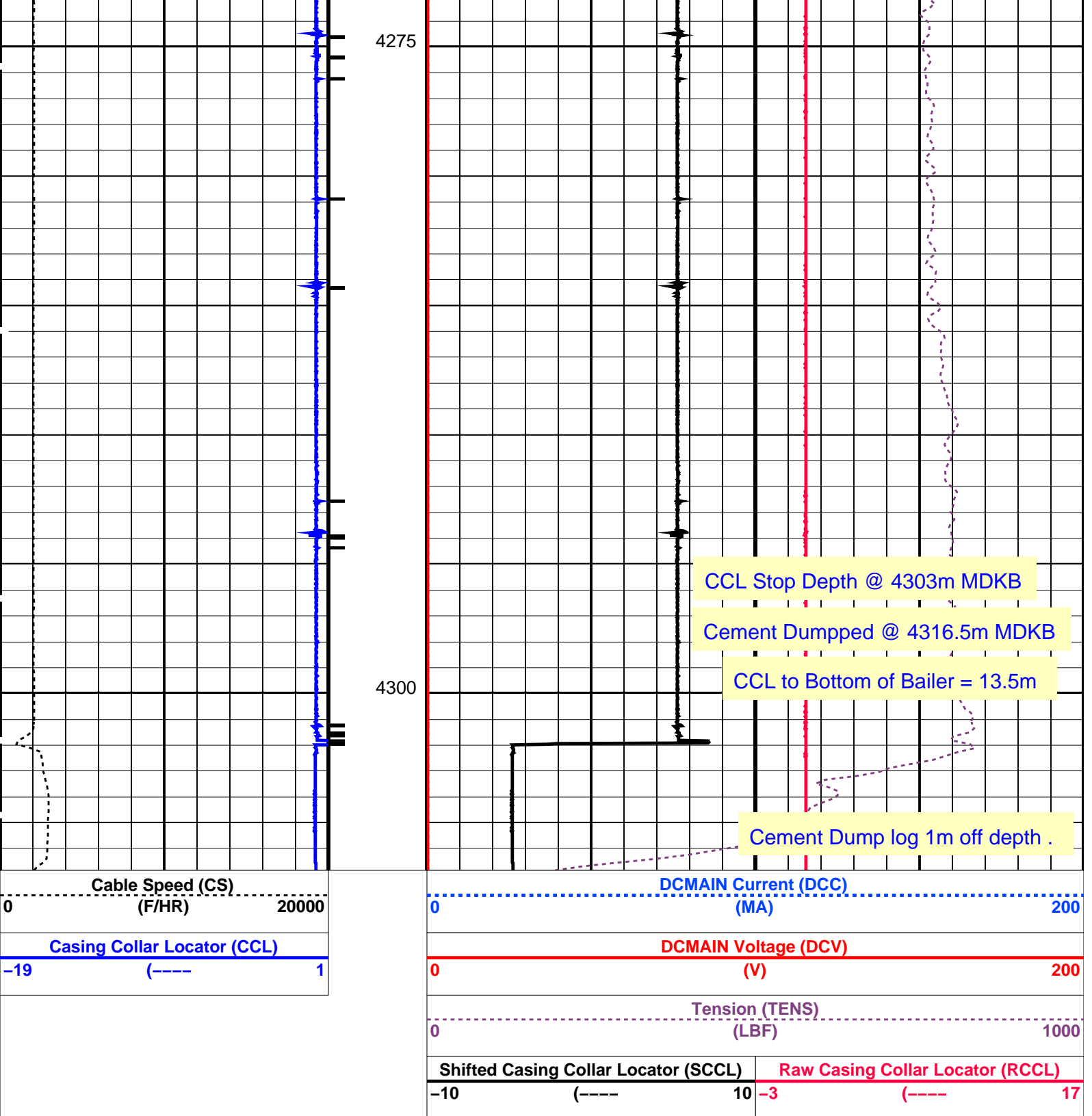
└─ Casing Collars

Time Mark Every 60 S

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

Casing Collar Locator (CCL)		
-19	(----	1
Cable Speed (CS)		
0	(F/HR)	20000





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: 08-Oct-2007 13:26
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OP System Version: 14C0-302		
MCM		

SHM_GUN14C0-302

CCL-L

14C0-302

Output DLIS Files

DEFAULTPERFO_065LUPFN:64PRODUCER08-Oct-2007 13:26

Schlumberger

Water Dump Pass

MAXIS Field Log

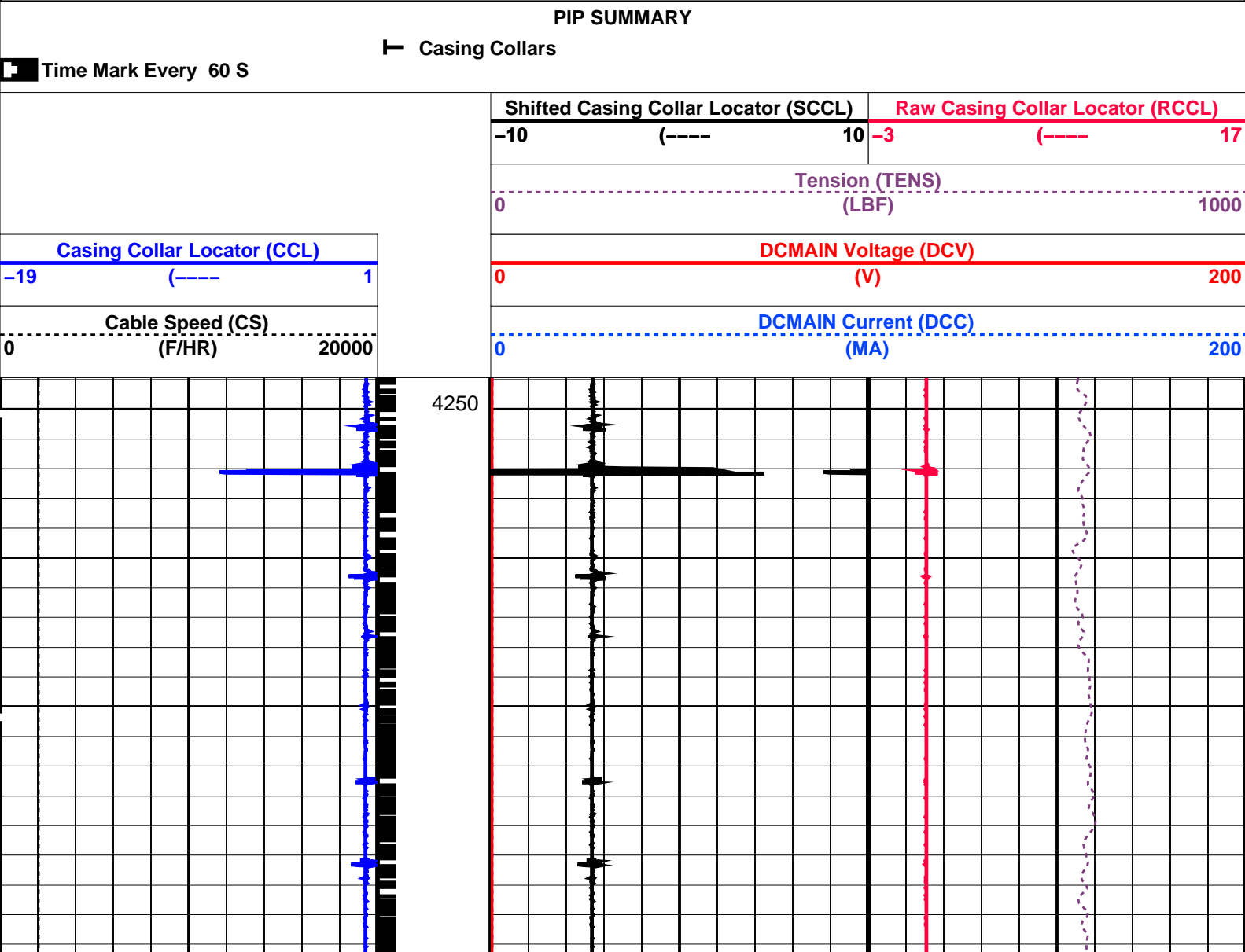
Output DLIS Files

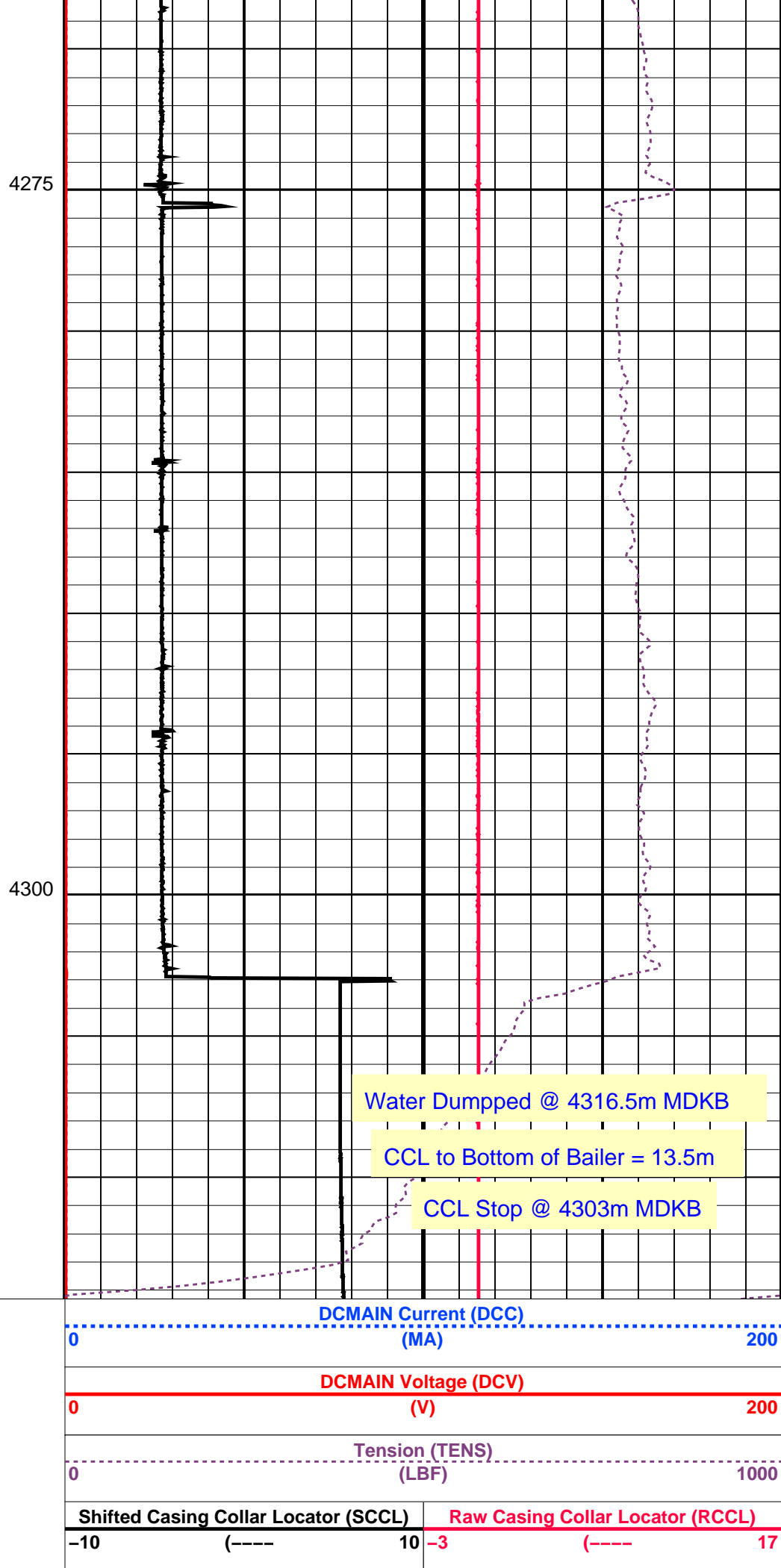
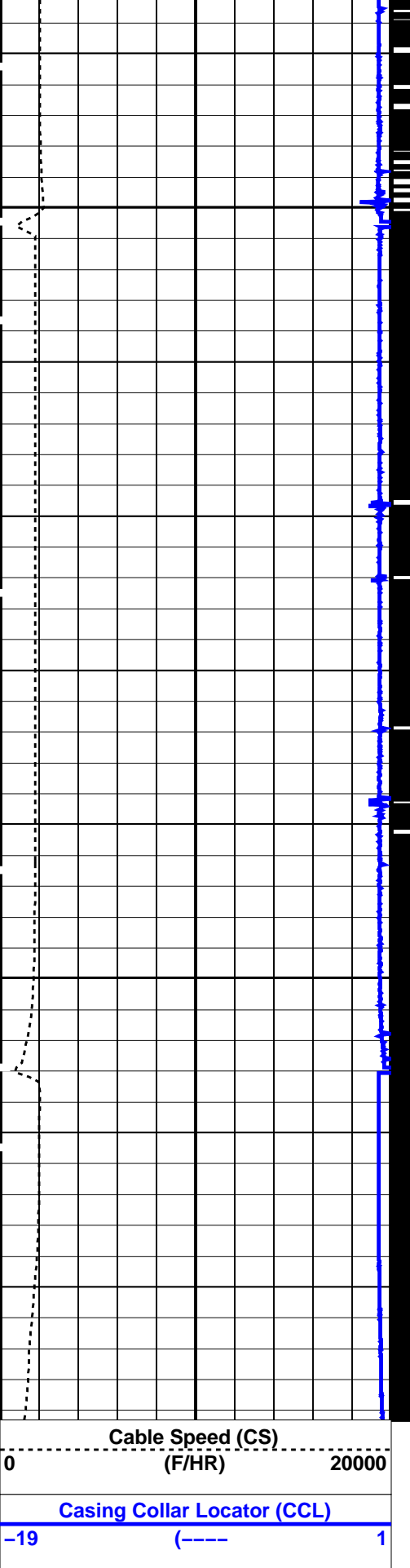
DEFAULTPERFO_059LUPFN:58PRODUCER08-Oct-2007 10:244314.3 M4248.9 M

OP System Version: 14C0-302

MCM

SHM_GUN14C0-302CCL-L14C0-302





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: 08-Oct-2007 10:24

OP System Version: 14C0-302
MCM

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

DEFAULT	PERFO_059LUP	FN:58	PRODUCER	08-Oct-2007 10:24
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Schlumberger

4.5" Posiset Plug
Set @ 4317m MDKB

MAXIS Field Log

Output DLIS Files

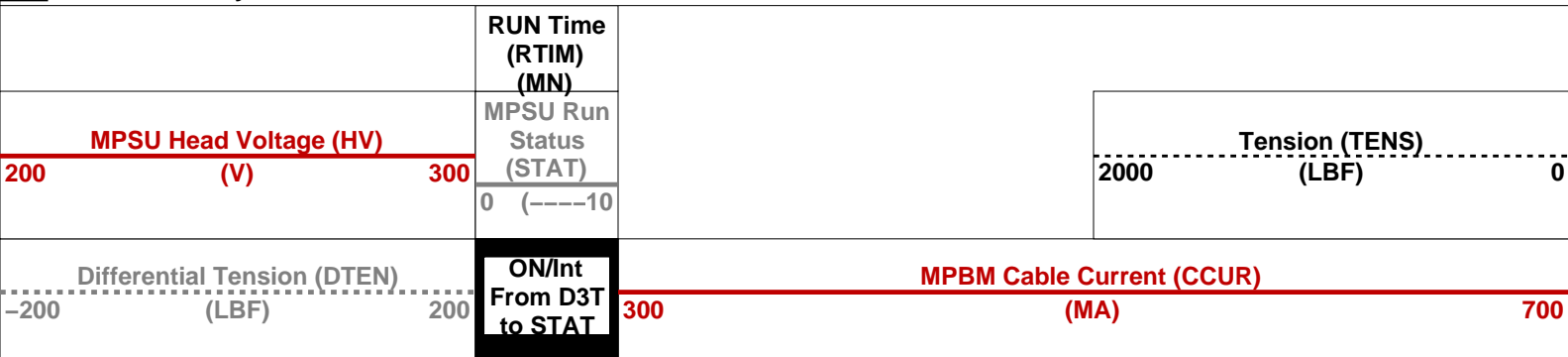
DEFAULT	MPBT_052LUP	FN:51	PRODUCER	07-Oct-2007 13:36
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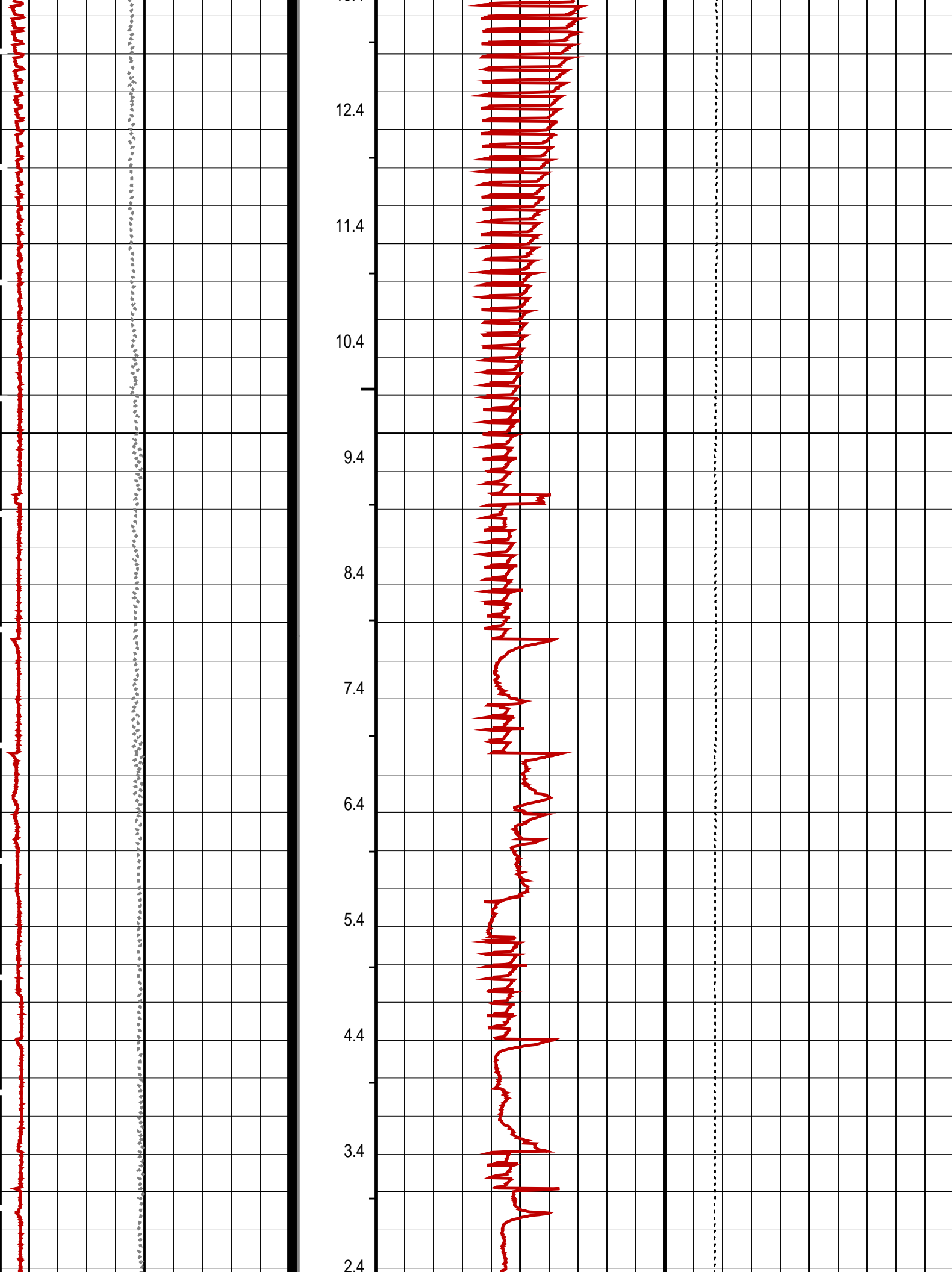
OP System Version: 14C0-302
MCM

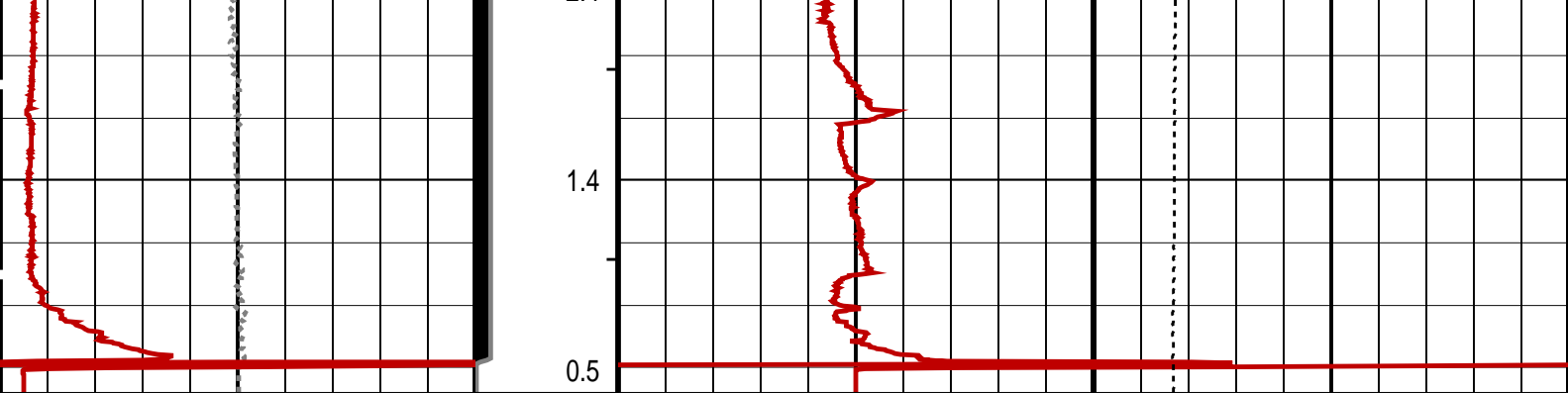
MPEX-AA	14C0-302	MPSU-BA	14C0-302
CCL-L	14C0-302		

PIP SUMMARY

➔ 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)
200 300	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: 07-Oct-2007 13:36
OP System Version: 14C0-302 MCM		
MPEX-AA CCL-L	14C0-302 14C0-302	MPSU-BA 14C0-302
Output DLIS Files		
DEFAULT	MPBT_052LUP	FN:51 PRODUCER 07-Oct-2007 13:36



Plug Setting Pass

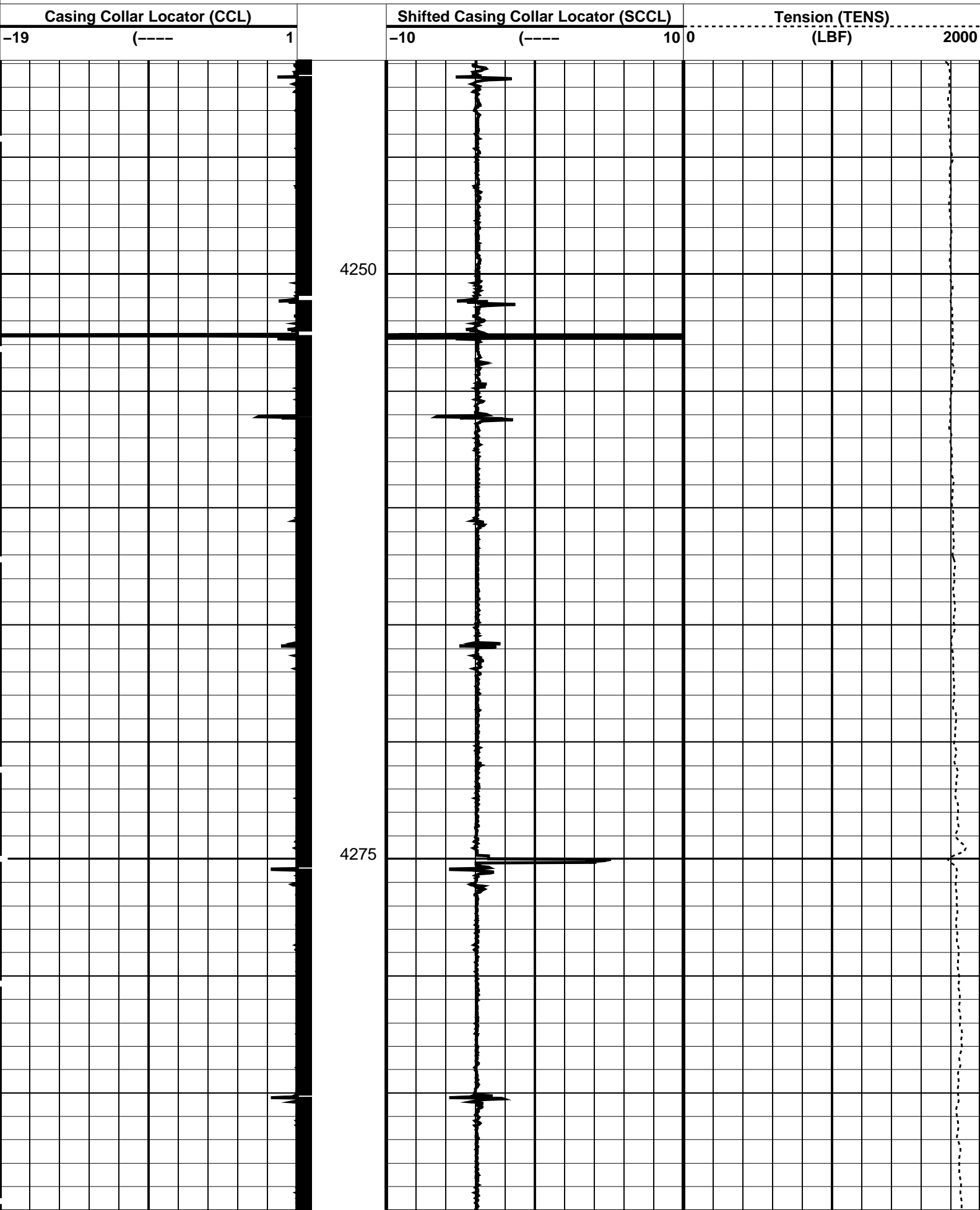
MAXIS Field Log

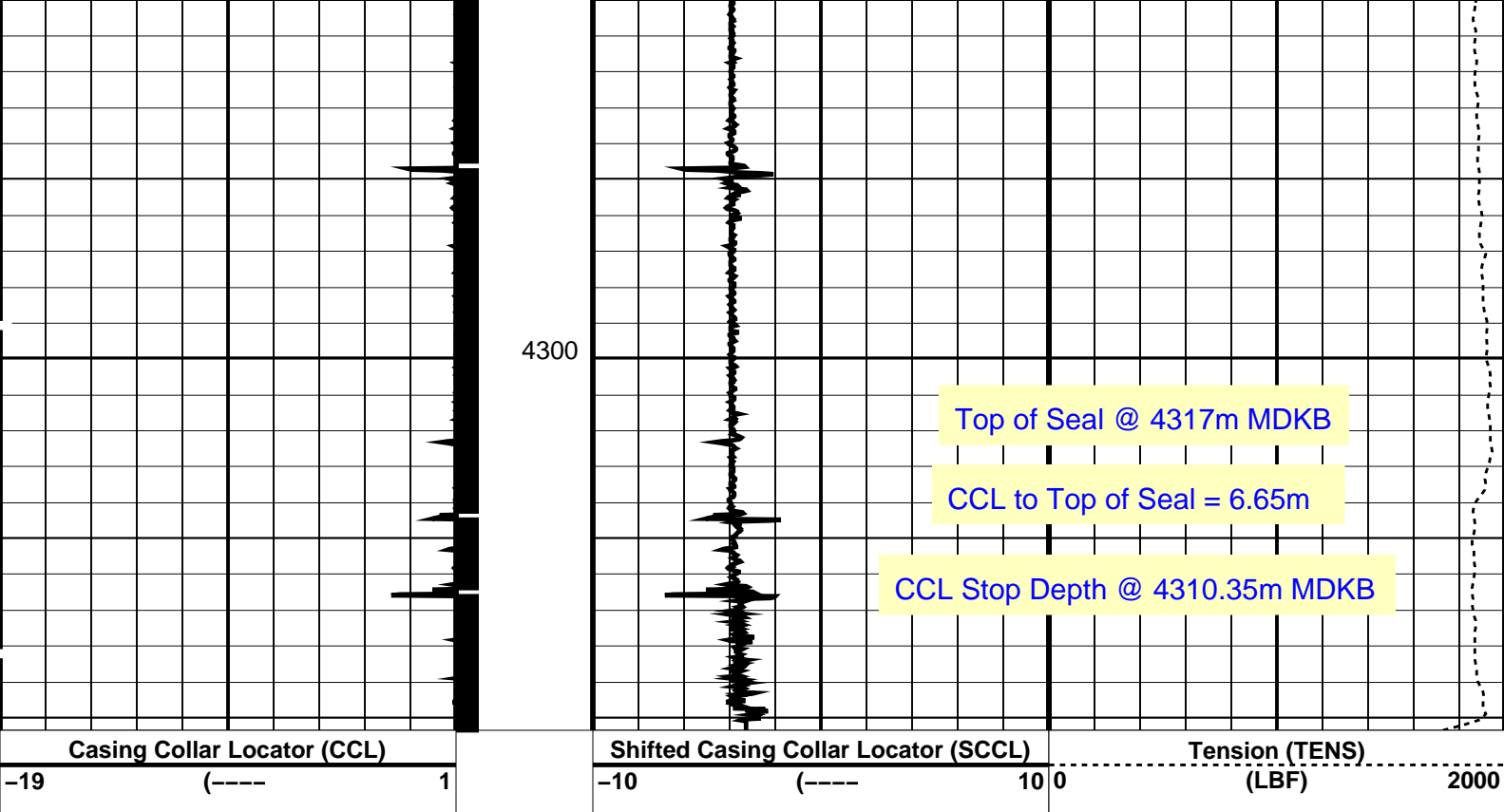
Output DLIS Files		
DEFAULT	MPBT_053LUP	FN:52 PRODUCER 07-Oct-2007 13:52 4310.3 M 4240.8 M
OP System Version: 14C0-302 MCM		
MPEX-AA	14C0-302	MPSU-BA 14C0-302

PIP SUMMARY

Time Mark Every 60 S

Casing Collars





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: 07-Oct-2007 13:52

OP System Version: 14C0-302

MCM

MPEX-AA 14C0-302 MPSU-BA 14C0-302
CCL-L 14C0-302

Output DLIS Files

DEFAULT MPBT_053LUP FN:52 PRODUCER 07-Oct-2007 13:52

Schlumberger

Plug Correlation Pass

MAXIS Field Log

Output DLIS Files

DEFAULT MPBT_051LUP FN:50 PRODUCER 07-Oct-2007 13:16 4295.9 M 4249.9 M

OP System Version: 14C0-302
MCM

MPEX-AA14C0-302

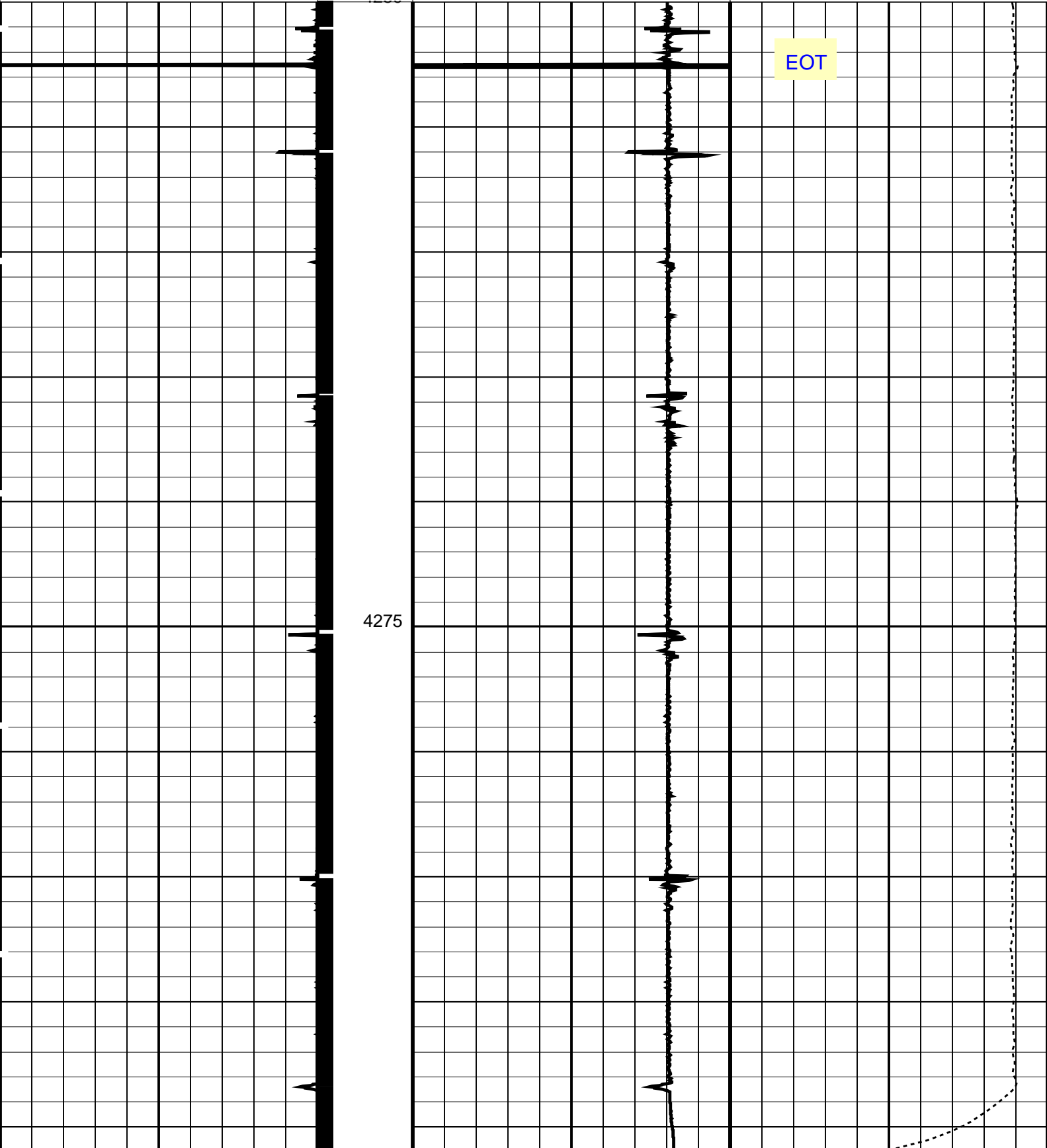
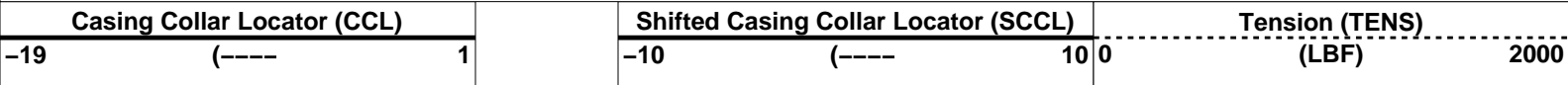
CCL-L14C0-302

MPSU-BA14C0-302

PIP SUMMARY

← Casing Collars

Time Mark Every 60 S



Casing Collar Locator (CCL)	Shifted Casing Collar Locator (SCCL)	Tension (TENS)
-19 (----) 1	-10 (----) 10 0	(LBF) 2000

PIP SUMMARY		
<div>Time Mark Every 60 S</div> <div>Casing Collars</div>		
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: 07-Oct-2007 13:16
OP System Version: 14C0-302		
MCM		
MPEX-AA	14C0-302	MPSU-BA 14C0-302
CCL-L	14C0-302	
Output DLIS Files		
DEFAULT	MPBT_051LUP	FN:50 PRODUCER 07-Oct-2007 13:16

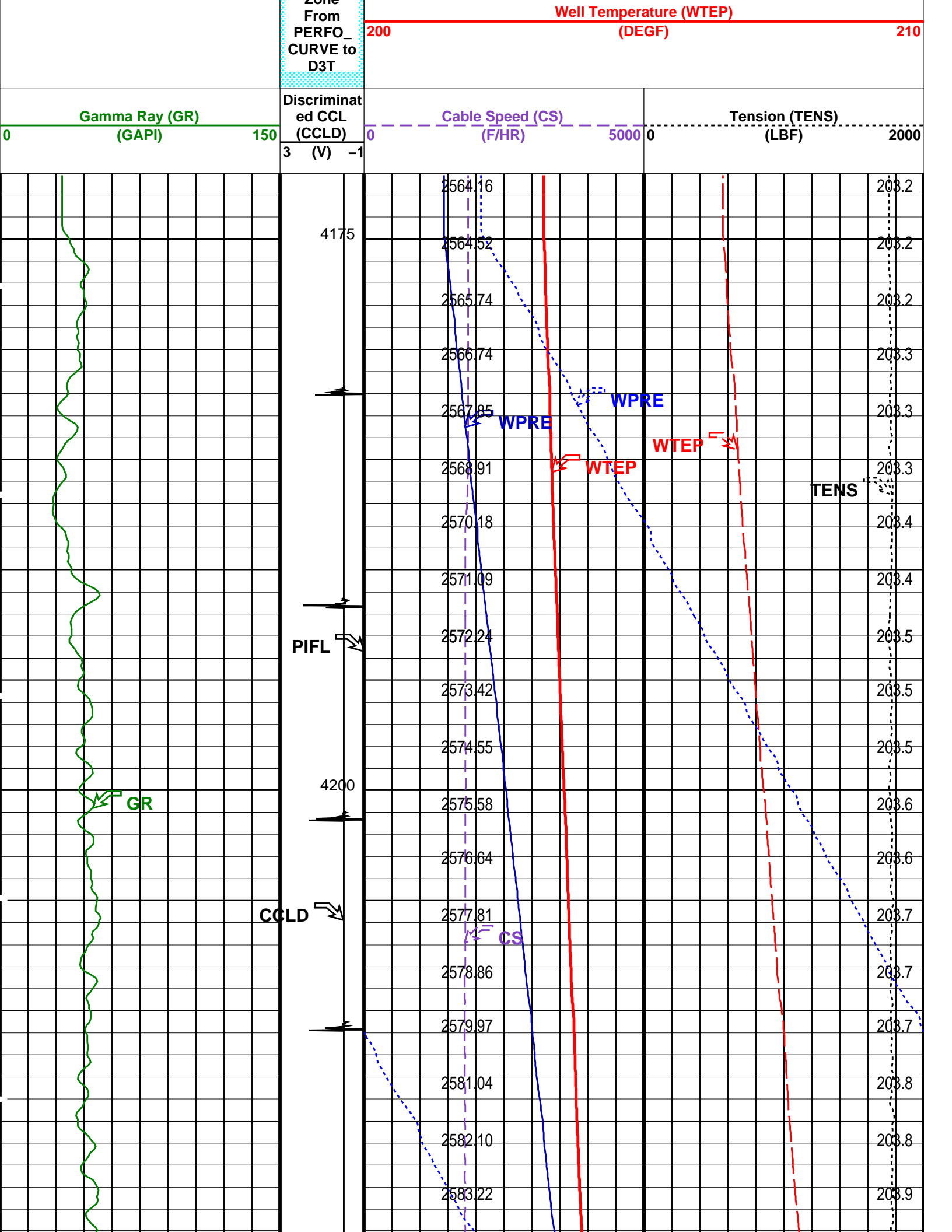
Schlumberger

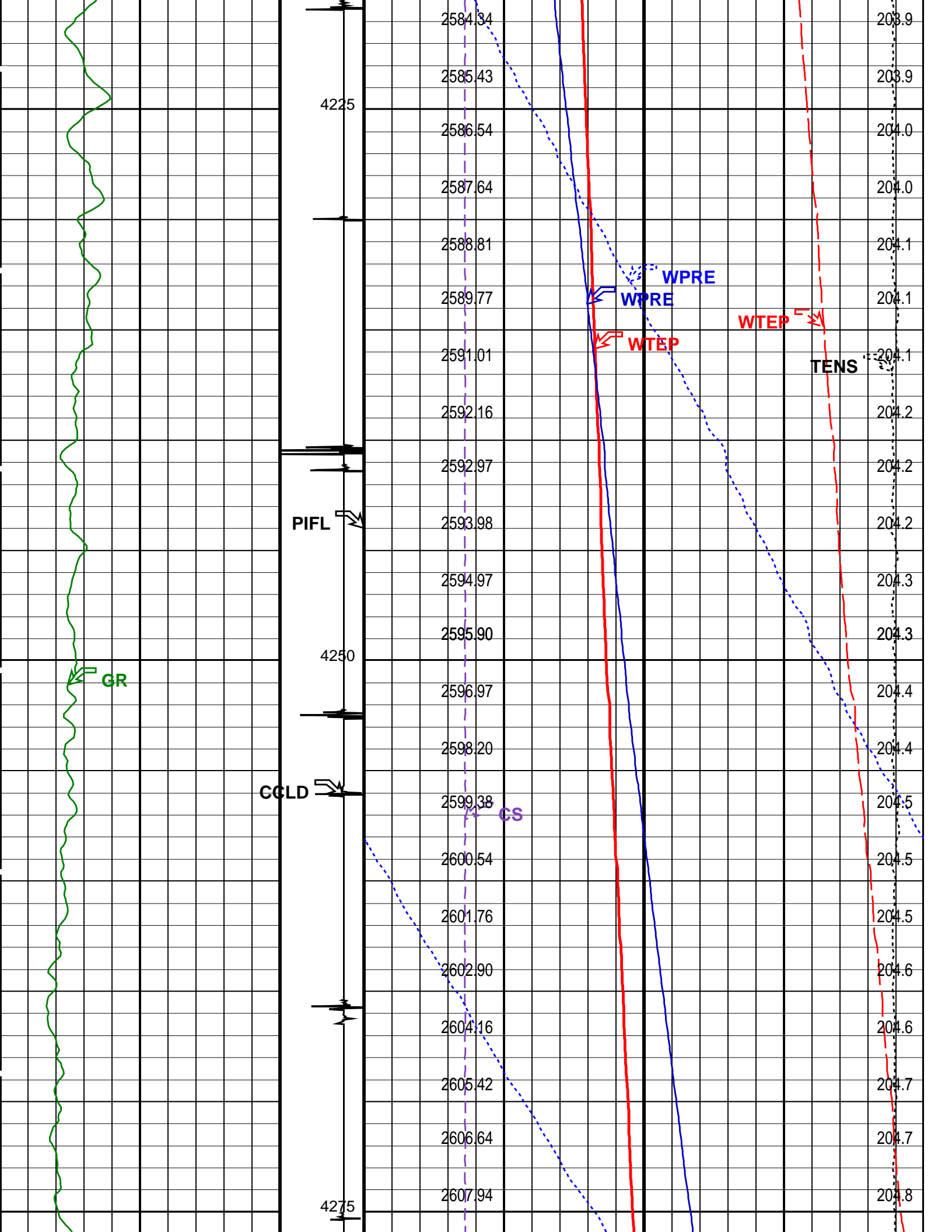
Dummy Plug Pass

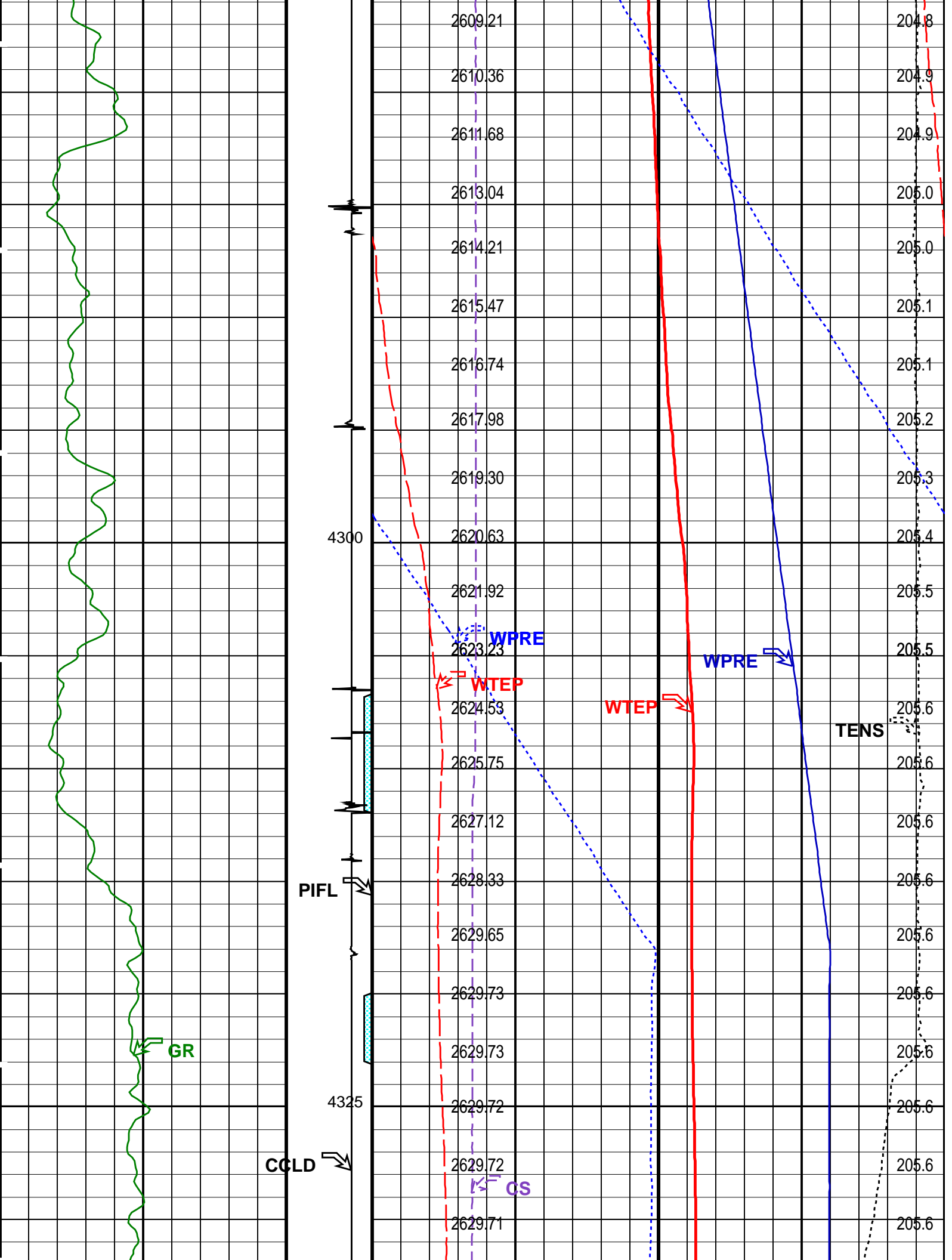
MAXIS Field Log

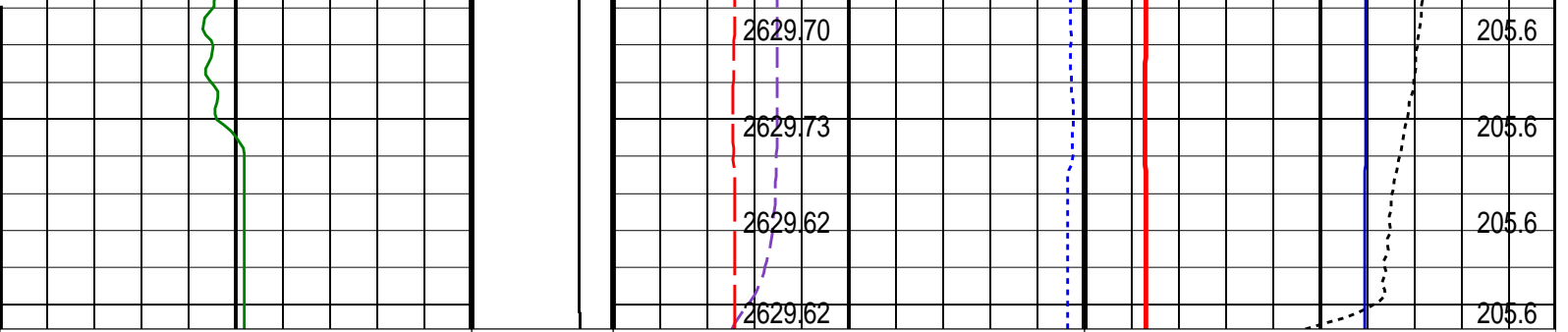
Company: Esso Australia Pty Ltd.		Well: A-26
Input DLIS Files		
DEFAULT	PSP_035LUP	FN:34 PRODUCER 07-Oct-2007 08:41 4333.2 M 4166.6 M
Output DLIS Files		
DEFAULT	PSP_038PUP	FN:37 PRODUCER 07-Oct-2007 09:06 4340.7 M 4171.9 M
OP System Version: 14C0-302		
MCM		
PSPT-A/B	14C0-302	

PIP SUMMARY		
Time Mark Every 60 S		
	Amplified Well Pressure (WPRE)	
	0	20
	(PSIA)	
	Well Pressure (WPRE)	
	2550	2650
	(PSIA)	
	Well Temperature (WTEP)	
	0	5
	(DEGF)	
	Well Pressure (WPRE) (PSIA)	Temperature (WTEP) (DEGF)
Perfo Zone		









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

Perfo Zone From PERFO_ CURVE to D3T	Well Temperature (WTEP) (DEGF)		
	200		210
	Well Pressure (WPRE) (PSIA)	Temperature (WTEP) (DEGF)	
	Well Temperature (WTEP) (DEGF)		
	0		5
Well Pressure (WPRE) (PSIA)			
2550 2650			
Amplified Well Pressure (WPRE) (PSIA)			
0 20			

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 07-Oct-2007 09:06

OP System Version: 14C0-302
MCM

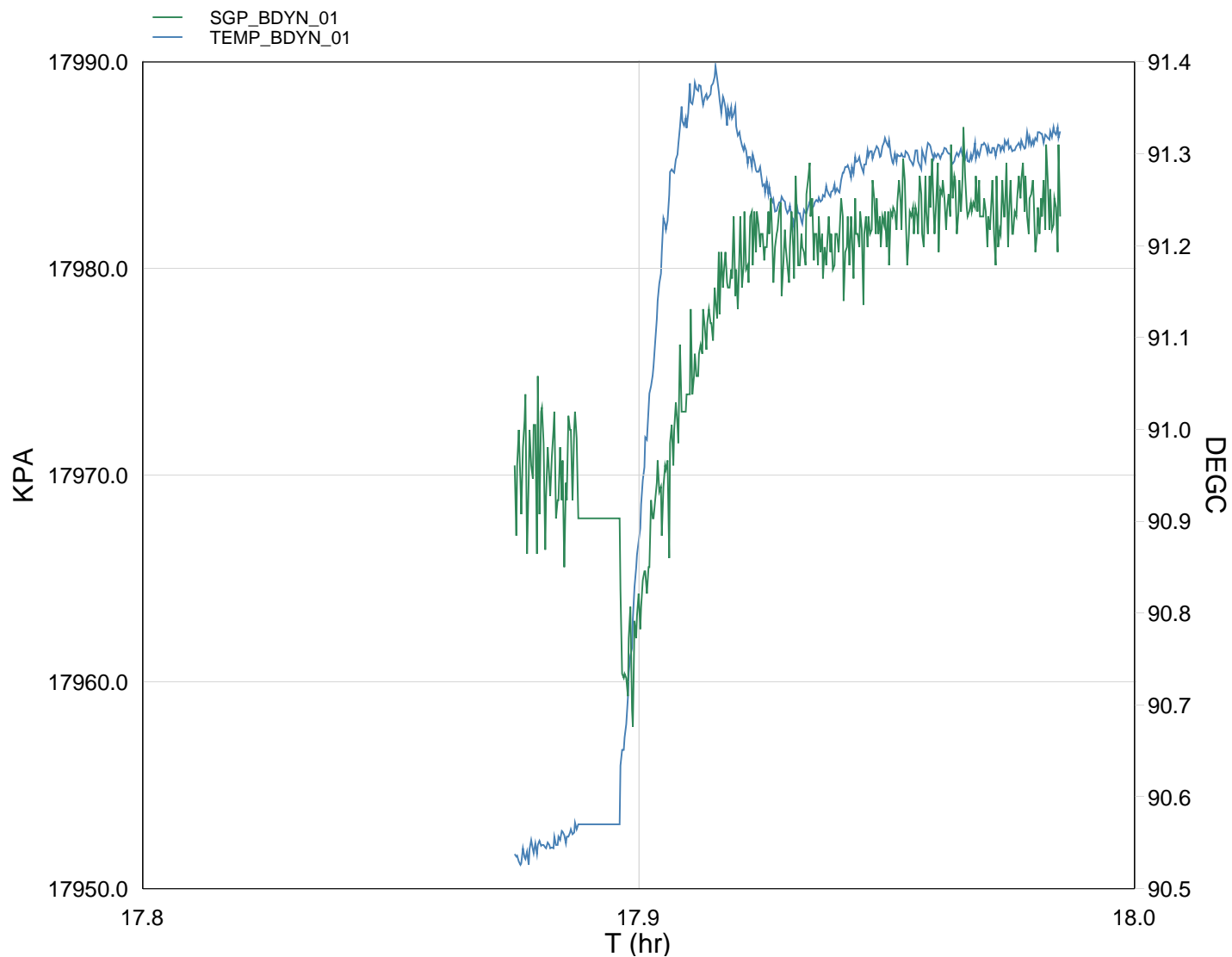
PSPT-A/B 14C0-302

Parameters		
DLIS Name	Description	Value
DO PP	System and Miscellaneous Depth Offset for Playback Playback Processing	7.5 M NORMAL

Input DLIS Files					
DEFAULT	PSP_035LUP	FN:34	PRODUCER	07-Oct-2007 08:41	4333.2 M 4166.6 M
Output DLIS Files					
DEFAULT	PSP_038PUP	FN:37	PRODUCER	07-Oct-2007 09:06	

Schlumberger

Gun # 1 Fired @
4306.8m to 4312m MDKB



TIME	TEMP_MWPT_S	SGPA_SL
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7400.0	194.97	2606.633
7420.0	194.98	2606.081
7440.0	195.01	2606.865
7460.0	195.03	2606.030
7480.0	195.41	2604.774
7500.0	196.10	2606.195
7520.0	196.39	2607.007
7540.0	196.50	2607.636
7560.0	196.36	2607.676
7580.0	196.26	2608.170
7600.0	196.23	2607.676
7620.0	196.28	2607.833
7640.0	196.30	2607.896
7660.0	196.33	2608.323
7680.0	196.34	2607.947
7700.0	196.34	2607.956
7720.0	196.35	2608.487
7740.0	196.35	2608.066

7760.0 196.36 2608.195
7780.0 196.38 2608.231

Schlumberger

Gun Shoot Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-26

Output DLIS Files

DEFAULT PERFO_019LUP FN:18 PRODUCER 06-Oct-2007 17:48 4319.9 M 4264.0 M

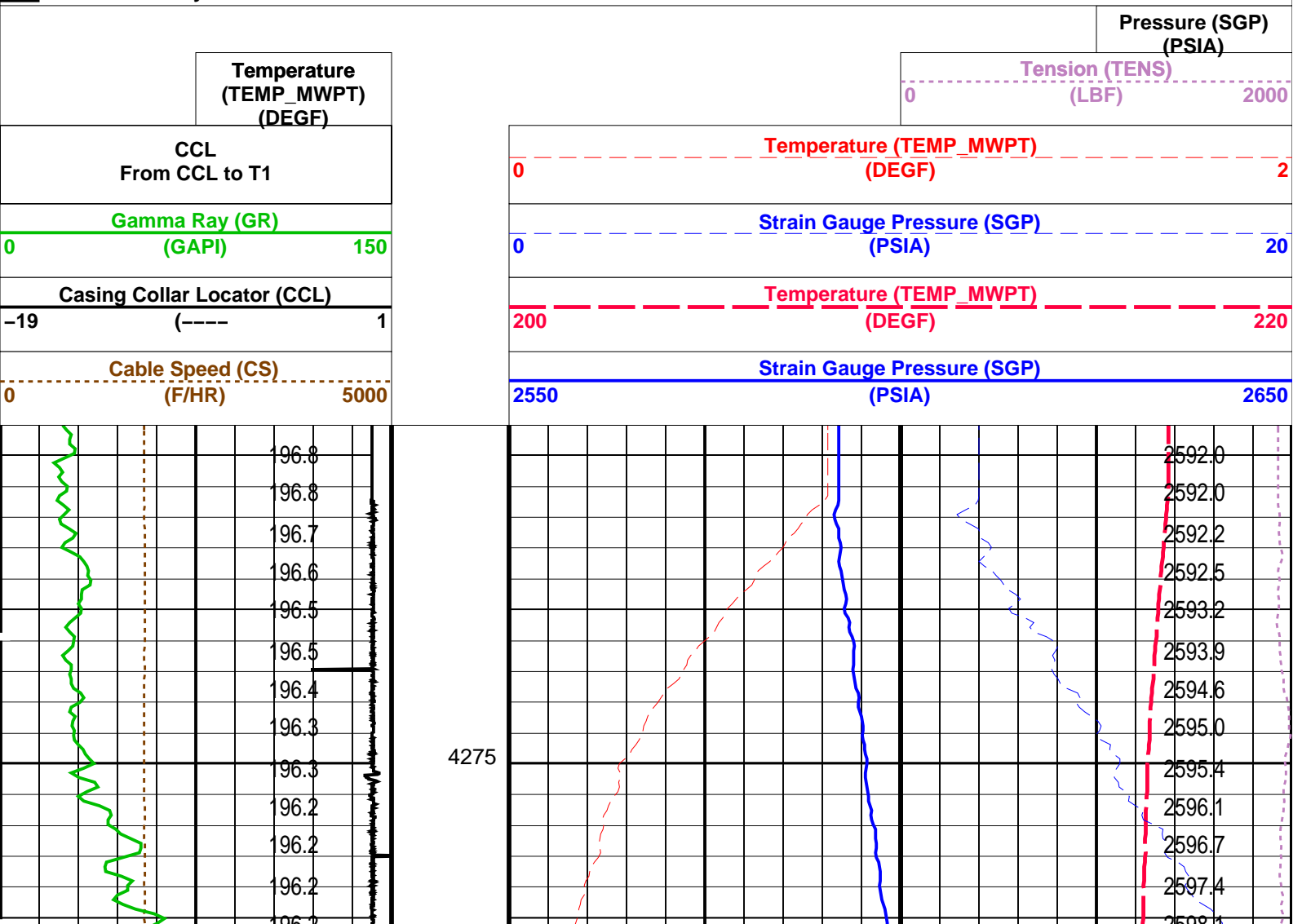
OP System Version: 14C0-302

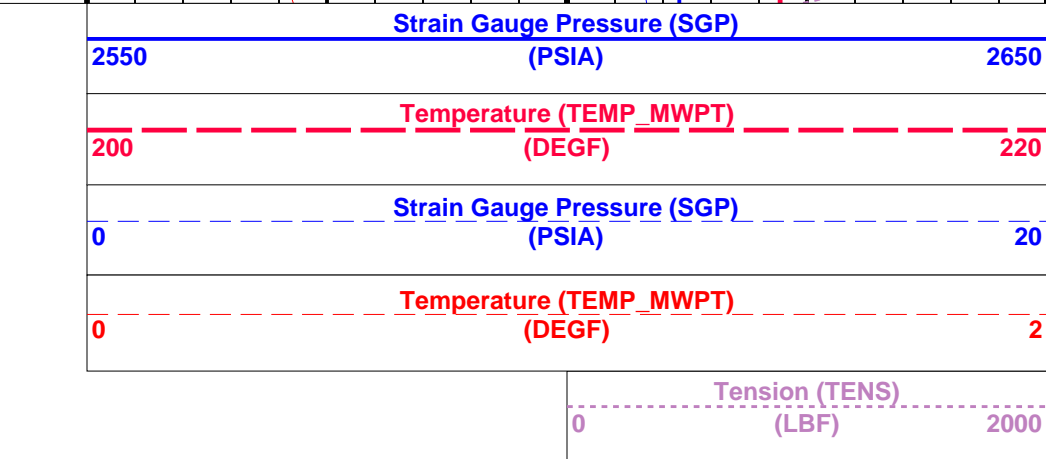
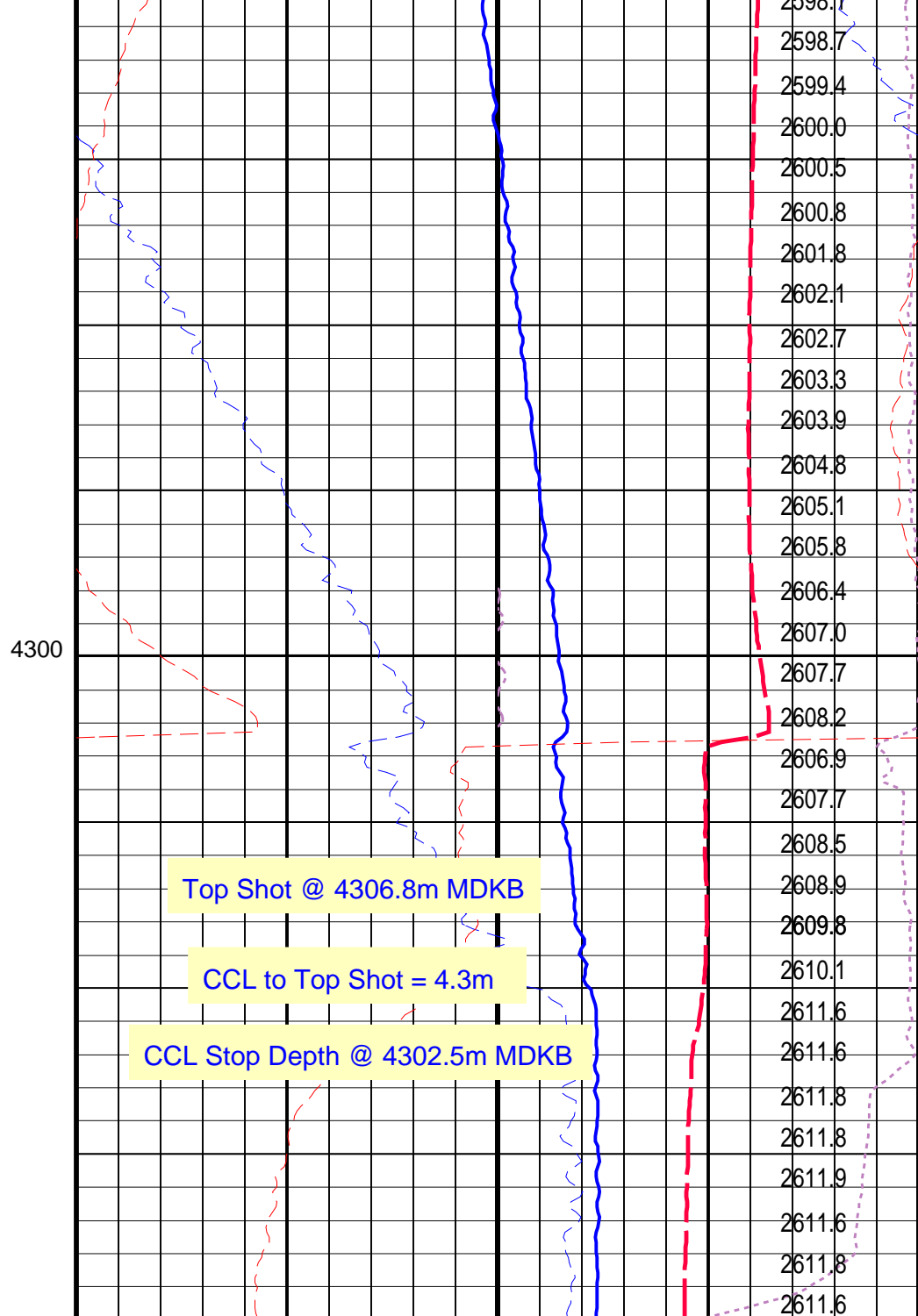
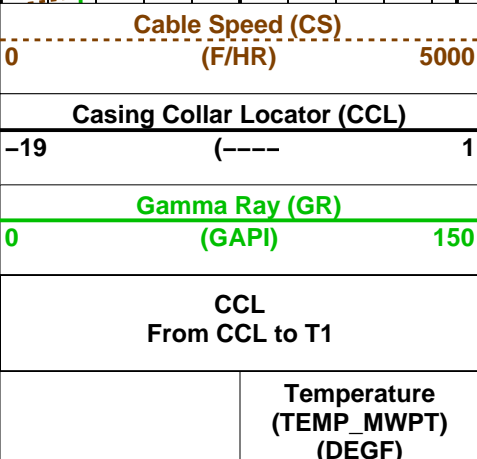
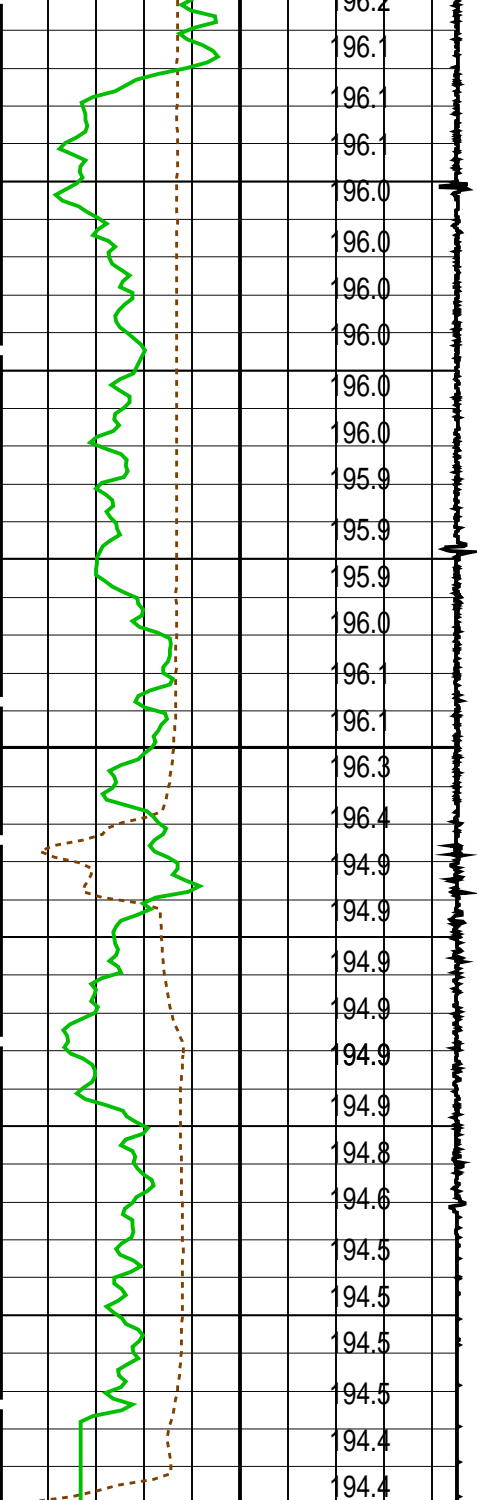
MCM

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

PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

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: 06-Oct-2007 17:48

OP System Version: 14C0-302

MCM

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

Output DLIS Files

DEFAULT	PERFO_019LUP	FN:18	PRODUCER	06-Oct-2007 17:48
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Gun Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.	Well: A-26
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Output DLIS Files

DEFAULT	PERFO_018LUP	FN:17	PRODUCER	06-Oct-2007 17:33	4321.6 M	4272.7 M
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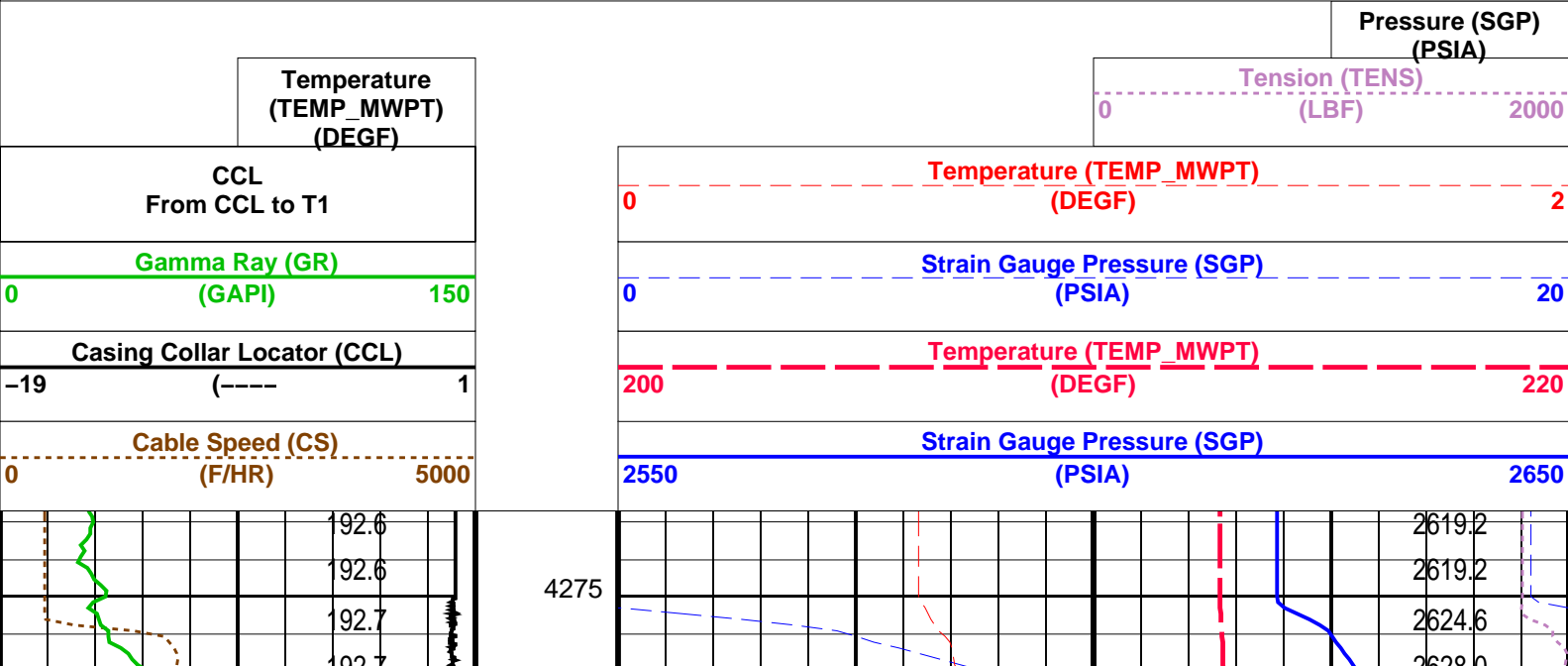
OP System Version: 14C0-302

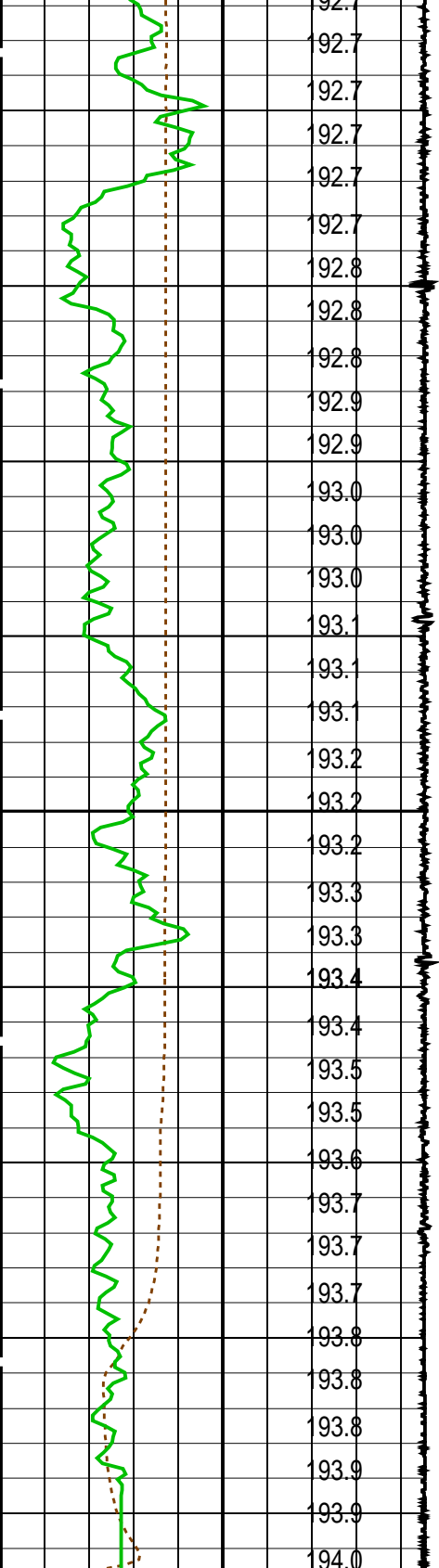
MCM

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)	

4300



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) (LBS)	
0	2000

(TEMP_MWPT) (DEGF)		0 (LBF)		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	
Format: MWP		Vertical Scale: 1:200		Graphics File Created: 06-Oct-2007 17:33	
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 06-Oct-2007 17:33	
Company: Esso Australia Pty Ltd.					
Well: A-26					
Field: Bream A					
Rig : Prod4 / Crane					
Country: Australia					
2 1/8" Powerjet Perforation Record					
4.5" Posiset Plug					
Setting Record					

Schlumberger