Schlumberger

Company: **Esso Australia Pty Ltd.**

Well: **A−5B**
Field: **Halibut**
Rig: **Crane / Prod 4** Country: **Australia**

Rig: Crane / Prod 4
Field: Halibut
Location: Gippsland
Well: A−5B
Company: Esso Australia Pty Ltd.

Pressure / Temperature / Spinner Survey
Set OWEN Tubing Patch
1 11/16" Powerspiral Perforation Record

LOCATION			
Gippsland	Elev.:	K.B.	29.45 m
Basin		G.L.	−73.00 m
Bass Strait		D.F.	29.45 m
Permanent Datum: M.S.L	Elev.: 0.00 m		
Log Measured From: K.B	29.45 m above Perm. Datum		
Drilling Measured From: K.B			

State:	Max. Well Deviation	Longitude	Latitude
Victoria	42 deg	148*19' 07.62"E	38*24' 20.36"S

Logging Date		27−Dec−2008	
Run Number		One	
Depth Driller		2968 m	
Schlumberger Depth		2936 m	
Bottom Log Interval		2936 m	
Top Log Interval		2815 m	
Casing Fluid Type		Production Fluids	
Salinity			
Density			
Fluid Level		975 m	
BIT/CASING/TUBING STRING			
Bit Size		8.500 in	
From		567 m	
To		3004 m	
Casing/Tubing Size		2.875 in	
Weight		6.4 lbm/ft	
Grade		13CR−80	
From		12.37 m	
To		2965 m	
Maximum Recorded Temperatures		223 degF	
Logger On Bottom	Time	27−Dec−2008	7:25
Unit Number	Location	889	Prod 4 / AUSL
Recorded By		S Gilbert	
Witnessed By		D Madden	

		Run 1
PVT DATA	Oil Density	
	Water Salinity	
	Gas Gravity	
	Bo	
	Bw	
	1/Bg	
	Bubble Point Pressure	
	Bubble Point Temperature	
	Solution GOR	
	Maximum Deviation	42 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

Date Created: 23−DEC−2008 7:10:01

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−EB	Type:	PSDS/OSDS	Type:	2−32ZT
Serial Number:	6373	Serial Number:	325337	Serial Number:	207308
Calibration Date:	2−Dec−2008	Calibration Date:	11−Dec−2008	Length:	6400 M
Calibrator Serial Number:	30	Calibrator Serial Number:	1174	Conveyance Method:	Wireline
Calibration Cable Type:	2−32ZT	Number of Calibration Points:	9	Rig Type:	Offshore Fixed
Wheel Correction 1:	−1	Calibration RMS:	16		
Wheel Correction 2:	−2	Calibration Peak Error:	27		

Depth Control Parameters

Log Sequence: Subsequent Log In the Well

Reference Log Name: Solar Composite Log

Reference Log Run Number:

Reference Log Date: dd−Mmm−yyyy

Depth Control Remarks

1. IDW−EB 6373 Used as primary depth control .
2. Z−Chart used as Backup .
3. Log correlateed on depth over Zone of intrest .
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: None

OS2:

OS3:

OS4:

OS5:

REMARKS: RUN NUMBER 1

Log correlated to Solar Composite log supplied with logging program.

Maximum well deviation = 42 deg @ 1119m MDKB.

Objetives: Conduct Static and Flowing Spinner Survey between the Packers @ 2855m and 2816m MDKB to determine the exact location of suspected hole's in the Blast Joints . Run Drift for OWEN Tubing Patch . Set OWEN Tubing Patch .

Perforate the Well over the interval 2935m to 2936m MDBK using a 1m 1 11/16" PowerSpiral Gun .

HUD: not tagged with Logging tools

Hole detected in tubing between 2844m and 2846m MDKB .

Tubing Patch Correlated to CCL on Spinner Survey .

Tubing Patch top of Seal to be set @ 2841.3m to 2847.8m MDKB

CCL to Top of Seal = 3.78 m

CCL Stop Depth = 2837.52 m MDKB .

Perforation Top Shot @ 2935m

CCL to Top Shot = 4.2m

CCL Stop Depth = 2930.8 m MDKB

Before Shot SBHP:2857 psia SBHT: 227 Degf After Shot SBHP:3274 psia SBHT:228 Degf

Schlumberger Crew: J Light , C Shiells , J Annear

RUN 1

SERVICE ORDER #: AXWT−00095
PROGRAM VERSION: 16C0−147
FLUID LEVEL: 975 m

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

WITM−A 827
PSC_16MHZ 827

DOWNHOLE EQUIPMENT

AH−SWBS−B 785	12.29
AH−SWBS−B 786	11.60
AH−SWBS−B 787	10.92
AH−SWBS−B 788	10.23
AH−SWBS−B 789	9.54
MH−SWHS−A 759	8.86
EQF−43 002 EQF−43 2	8.51
EQF−43 003 EQF−43 3	6.69

Detail MT

RUN 2

SURFACE EQUIPMENT

MWPM−AA

DOWNHOLE EQUIPMENT

AH−SWBS−B 789		12.39
AH−SWBS−B 788		11.70
AH−SWBS−B 787		11.01
AH−SWBS−B 786		10.33
AH−SWBS−B 785		9.64
MH−SWHS−A 759		8.96
AH−124 7002		8.63
MWGT−AA 19 MWPG−AA 19 MWGH−AA 19	MWPG GR	8.53 2.41
MWPT−CA 11 MWPH−AA 94 MWPS−AA 11	CCL SMWP Pres SMWP Temp Tension	7.55 TOOL ZERO

Detail MT
TelStatus
CTEM 4.86

PSPT−B 827 4.86
PSC−A 827
PSPT−B 827
PSTC 827
PBMS−B 827
CQG_F_Mano 827
RTD_Thermometer 827
GR 827
CCL 827
PBMS 827

GR 3.73
Well_Temp 2.80
CQG Manom 2.69
CCL 2.57
PBMS PSTC 2.34

PILS−A 839 2.34
PILS−A 839
Spinner 1.84

PFCS−A 796 1.57
Turbine 796
Holdup Probes 796
Relative Bearing 796
Caliper 796
PFCC−A 796
PFCH−A 796

PFCS Spin
PFCS Cali 0.57
PFCS Prob 0.45
PFCS Wave HV
PFCS Rela
PFCS Cart
Tension 0.00

TOOL ZERO

MAXIMUM STRING DIAMETER 1.69 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

AH−Flex Joint 42 4.73
AH−Flex Joint 42

SAH−G 1035 4.27
SAH−G 1035

MPD−. 336 3.94
MPD−. 336

AH−ESIC 4007395 3.40
AH−ESIC 4007395

AH−Firing Head 1 2.97

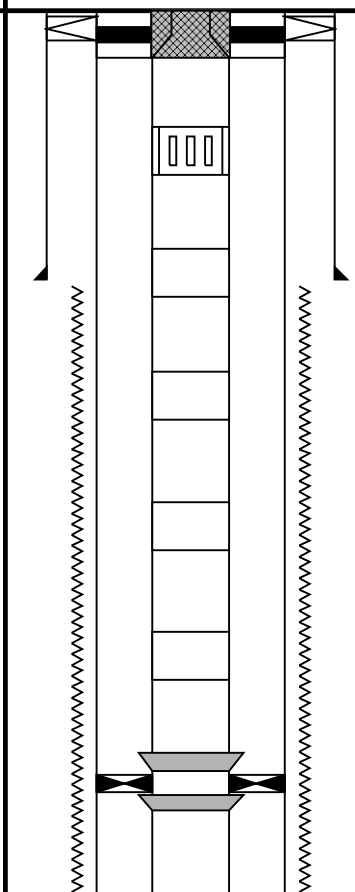
MWP_GUN 2.74
GUN−1 11/16" PowerSpiral Gun 1

TOOL BOTTOM

MAXIMUM STRING DIAMETER 2.00 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

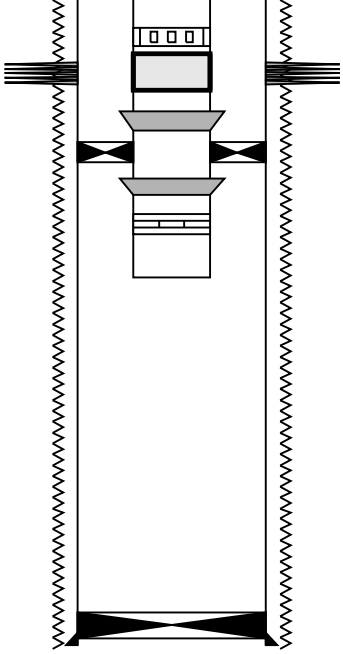
Production String	(in) OD	(in) ID	(m) MD
Tubing Hanger	8.875	2.950	12.0
Tubing	2.875		12.1
SSSV	2.875		143.2
Mandrel − Side Pocket	2.875		718.5
Mandrel − Side Pocket	2.875		1062.6
Mandrel − Side Pocket	2.875		1598.8
Mandrel − Side Pocket	2.875		1894.9
Crossover Joint	3.900	2.875	2812.8
Packer	7.000	2.875	2815.9
Crossover Joint	3.900	2.875	2820.2

Well Schematic



(m) MD	(in) OD	(in) ID	Casing String
0.0	10.750		Casing String
12.4	7.000		Casing String
12.4	10.750	7.000	Liner Hanger
552.1	10.750		Casing Shoe
567.0	8.500		Borehole Segment

Sliding Sleeve	2.875		2825.6					
Blast Joint	2.875		2837.7		2843.0 2845.5			Perforation Zone
Crossover Joint	3.900	2.875	2851.0					
Packer	7.000	2.875	2854.6					
Crossover Joint	3.900	2.875	2859.6					
Nipple	2.875		2862.5					
Tubing Bottom	2.875		2865.2					
Plug	7.000		2960.0		2998.0 3004.0	7.000 8.500		Casing Shoe Borehole Segment Bottom



Schlumberger

Job Events Summary

MAXIS Field Log

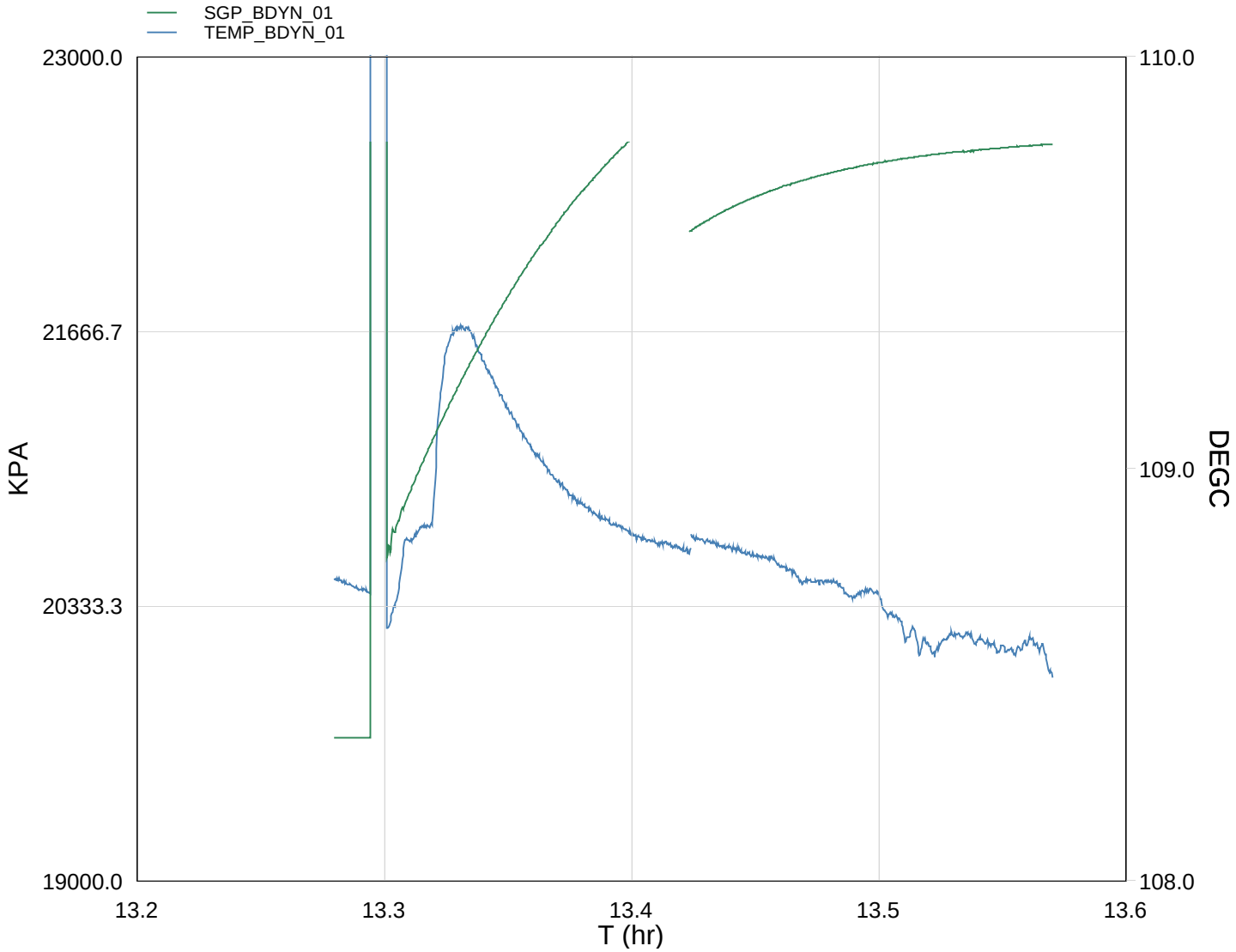
Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Log Pass (up)	27-Dec-2008 12:06	000:09	2880.1 - 2790.7	FCS_ILS_PSP_017LUP
Station Log	27-Dec-2008 12:26	000:29	2889.9	FCS_ILS_PSP_020LTP
Log Pass (up)	27-Dec-2008 12:56	000:11	2898.5 - 2792.7	FCS_ILS_PSP_022LUP
Log Pass (up)	27-Dec-2008 16:30	000:11	2855.1 - 2780.1	PERFO_032LUP
Log Pass (up)	28-Dec-2008 8:36	000:05	2831.0 - 2797.1	PERFO_041LUP
Log Pass (up)	28-Dec-2008 8:43	000:21	2847.4 - 2796.2	PERFO_042LUP
Log Pass (up)	29-Dec-2008 9:13	000:06	2955.2 - 2913.9	PERFO_053LUP
Log Pass (up)	29-Dec-2008 13:09	000:30	2955.2 - 2891.2	PERFO_057LUP
Station Log	29-Dec-2008 13:16	000:18	2930.8	PERFO_058LTP

Schlumberger

GUN # 1 Fired @ 2935m to 2936m MDKB

MAXIS Field Log



TIME	KPA	PSIA	DEGF
18150.0	19686.6986	2855.3183	227.6318
18180.0	19695.2715	2856.5618	227.6902
18210.0	-999999.9999	2856.4934	227.6568
18240.0	19940.9805	2892.1988	227.6030
18270.0	20228.0927	2933.8408	227.9488
18300.0	20456.2790	2966.9364	228.0267
18330.0	20667.5744	2997.5822	228.8494

18330.0	20667.5744	2997.5822	228.8494
18360.0	20863.1965	3025.9549	228.8356
18390.0	21045.5255	3052.3995	228.6428
18420.0	21213.5957	3076.7760	228.4792
18450.0	21369.0334	3099.3204	228.3233
18480.0	21507.8366	3119.4519	228.2185
18510.0	21637.6961	3138.2864	228.1239
18540.0	21750.0680	3154.5847	228.0571
18570.0	21858.6466	3170.3326	228.0045
18600.0	21955.7431	3184.4154	227.9718
18630.0	22042.6306	3197.0173	227.9358
18660.0	22117.9316	3207.9388	227.9199
18690.0	22185.0412	3217.6723	227.8912
18720.0	22242.6464	3226.0270	227.8641
18750.0	22291.4297	3233.1025	227.8479
18780.0	22333.3472	3239.1821	227.8186
18810.0	22371.3275	3244.6908	227.7765
18840.0	22401.3964	3249.0519	227.7082
18870.0	22429.3306	3253.1034	227.7146
18900.0	22453.4828	3256.6063	227.6596
18930.0	22474.4164	3259.6426	227.6621
18960.0	22492.7808	3262.3062	227.5713
18990.0	22508.8520	3264.6370	227.4462
19020.0	22521.6082	3266.4871	227.4409
19050.0	22534.4706	3268.3527	227.4605
19080.0	22543.7745	3269.7021	227.4764
19110.0	22553.8036	3271.1567	227.4344
19140.0	22562.1895	3272.3730	227.4116
19170.0	22569.1515	3273.3828	227.4650
19200.0	22575.9926	3274.3749	227.3221

Schlumberger

Gun Shooting Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. **Well: A−5B**

Output DLIS Files

DEFAULT **PERFO_057LUP** **FN:55** **PRODUCER** **29−Dec−2008 13:09** **2955.2 M** **2891.2 M**

OP System Version: 16C0−147

MCM

MWP_GUN	**16C0−147**	**MWPT−CA**	**16C0−147**
MWGT−AA	**16C0−147**		

PIP SUMMARY

Time Mark Every 60 S

Pressure (SGP) (PSIA)

Temperature (TEMP_MWPT) (DEGF)

Tension (TENS)

0 (LBF) 2000

CCL
From CCL to T1

Gamma Ray (GR)
0 (GAPI) 150

Casing Collar Locator (CCL)
−19 (−−−− 1

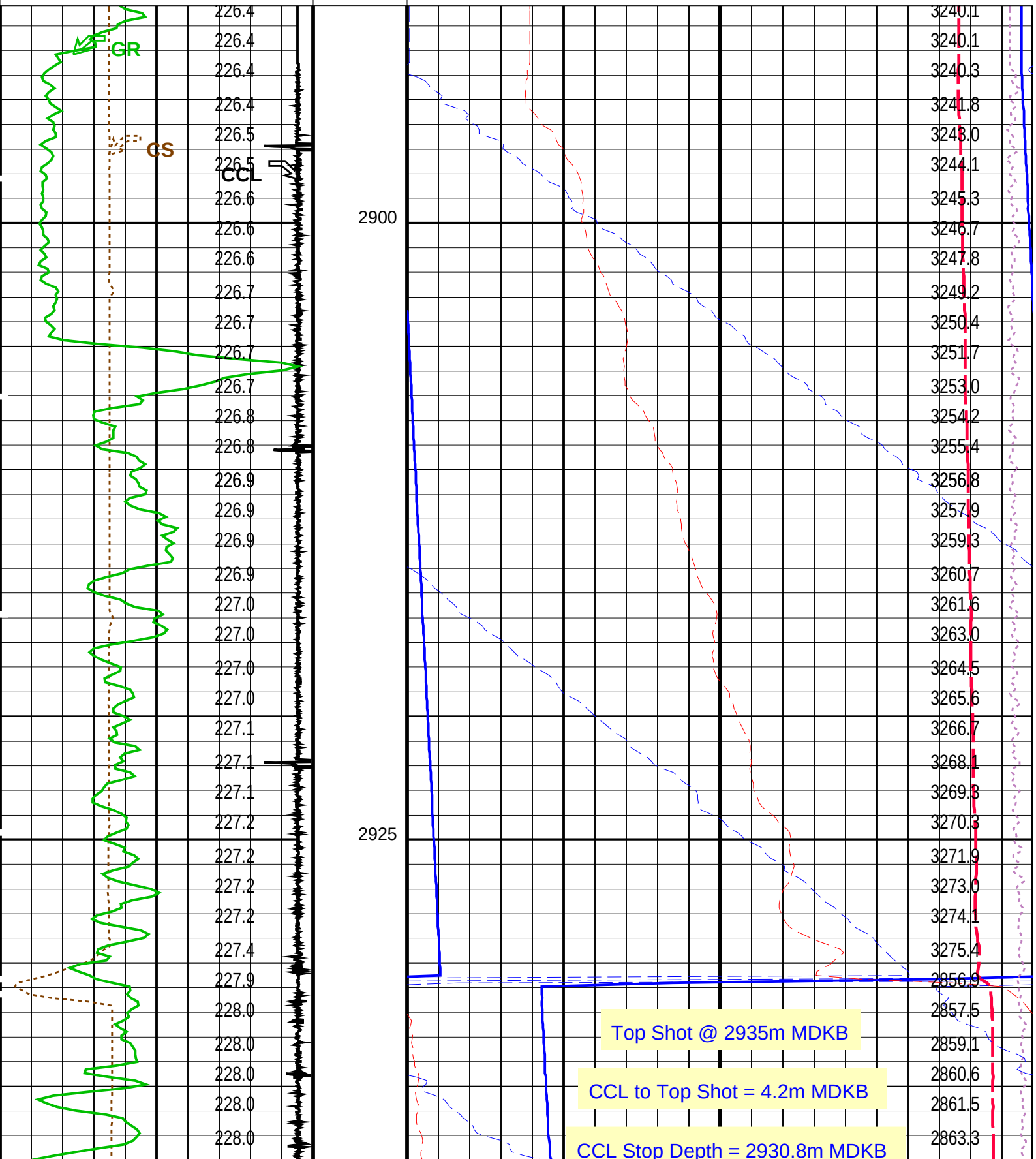
Cable Speed (CS)
0 (F/HR) 5000

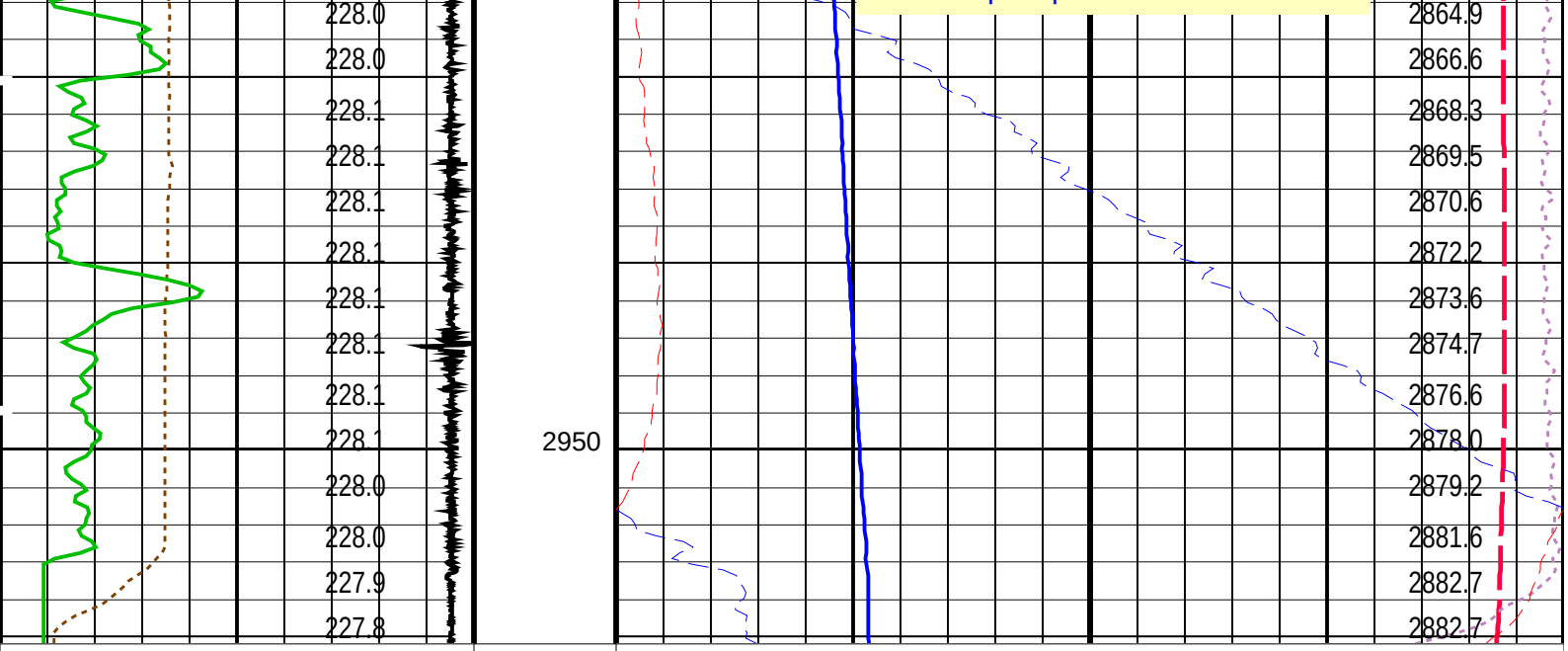
Temperature (TEMP_MWPT)
0 (DEGF) 2

Strain Gauge Pressure (SGP)
0 (PSIA) 20

Temperature (TEMP_MWPT)
200 (DEGF) 230

Strain Gauge Pressure (SGP)
2750 (PSIA) 3250





Cable Speed (CS)	0 (F/HR) 5000	Strain Gauge Pressure (SGP) 2750 (PSIA) 3250
Casing Collar Locator (CCL)	−19 (−−−− 1	Temperature (TEMP_MWPT) 200 (DEGF) 230
Gamma Ray (GR)	0 (GAPI) 150	Strain Gauge Pressure (SGP) 0 (PSIA) 20
CCL From CCL to T1		Temperature (TEMP_MWPT) 0 (DEGF) 2
Temperature (TEMP_MWPT) (DEGF)		Tension (TENS) 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: 29−Dec−2008 13:09

OP System Version: 16C0−147

MCM

MWP_GUN	16C0−147	MWPT−CA	16C0−147
MWGT−AA	16C0−147		

Output DLIS Files

DEFAULT PERFO_057LUP FN:55 PRODUCER 29−Dec−2008 13:09

Schlumberger

Gun Correlation Pass

Company: Esso Australia Pty Ltd. **Well: A−5B**

Output DLIS Files

DEFAULT	PERFO_053LUP	FN:51	PRODUCER	29−Dec−2008 09:13	2955.2 M	2913.9 M

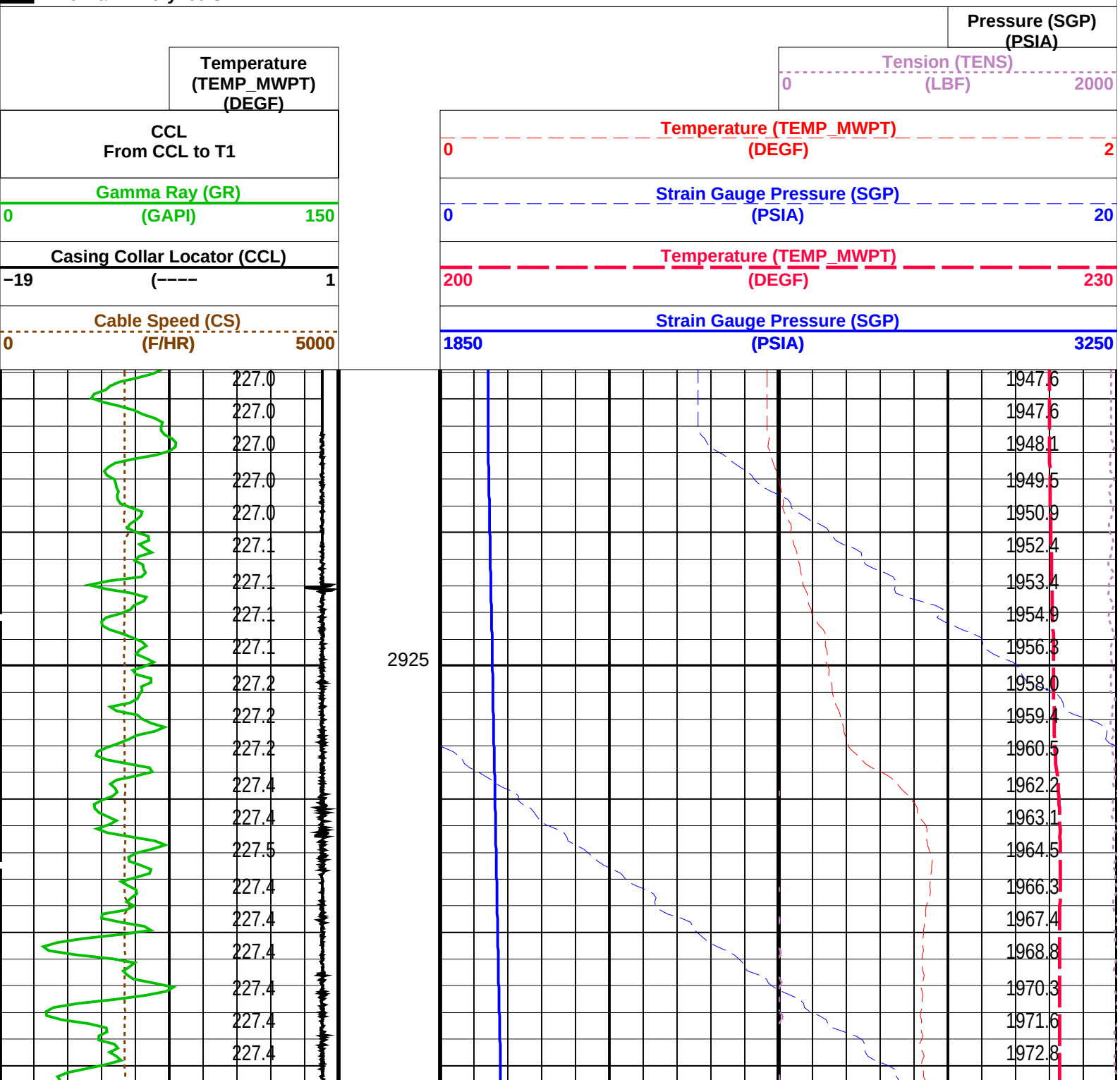
OP System Version: 16C0−147

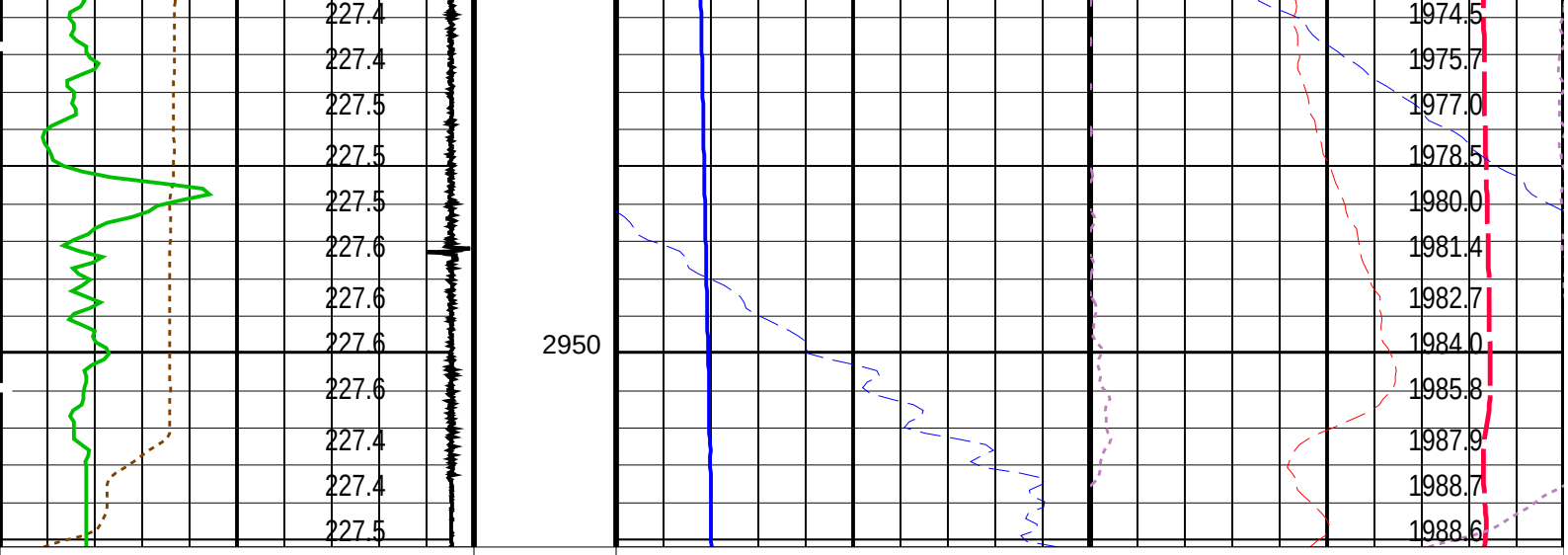
MCM

MWP_GUN	16C0−147	MWPT−CA	16C0−147
MWGT−AA	16C0−147		

PIP SUMMARY

Time Mark Every 60 S





Cable Speed (CS)	0 (F/HR) 5000	
Casing Collar Locator (CCL)	−19 (−−−− 1	
Gamma Ray (GR)	0 (GAPI) 150	
CCL From CCL to T1		
Temperature (TEMP_MWPT) (DEGF)		
Strain Gauge Pressure (SGP)	1850 (PSIA) 3250	
Temperature (TEMP_MWPT)	200 (DEGF) 230	
Strain Gauge Pressure (SGP)	0 (PSIA) 20	
Temperature (TEMP_MWPT)	0 (DEGF) 2	
Tension (TENS)	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: 29−Dec−2008 09:13

OP System Version: 16C0−147

MCM

MWP_GUN	16C0−147	MWPT−CA	16C0−147
MWGT−AA	16C0−147		

Output DLIS Files

DEFAULT	PERFO_053LUP	FN:51	PRODUCER	29−Dec−2008 09:13

Schlumberger

Patch Setting Pass

MAXIS Field Log

Output DLIS Files

DEFAULT PERFO_042LUP FN:40 PRODUCER 28−Dec−2008 08:43 2847.4 M 2796.2 M

OP System Version: 16C0−147

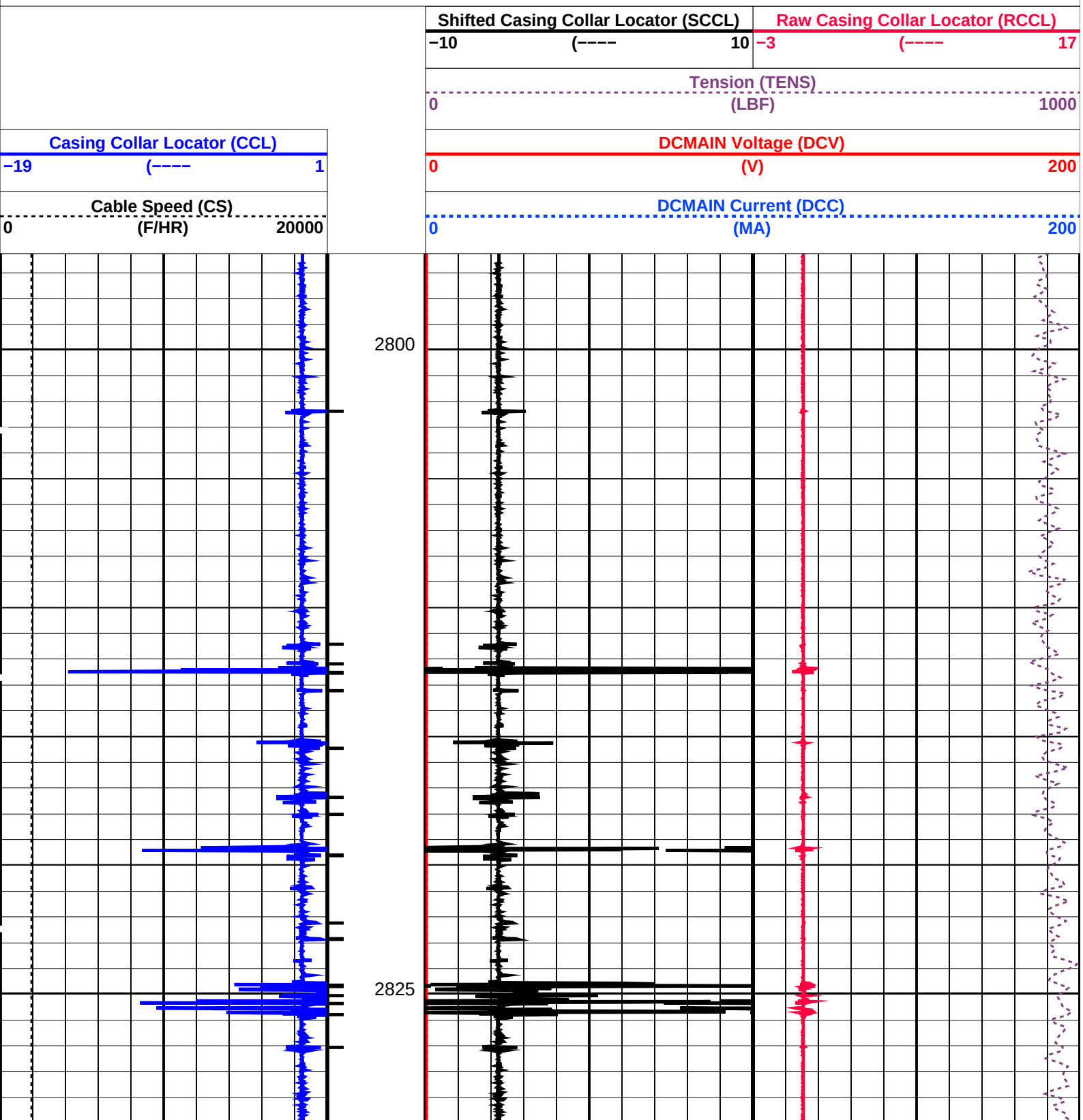
MCM

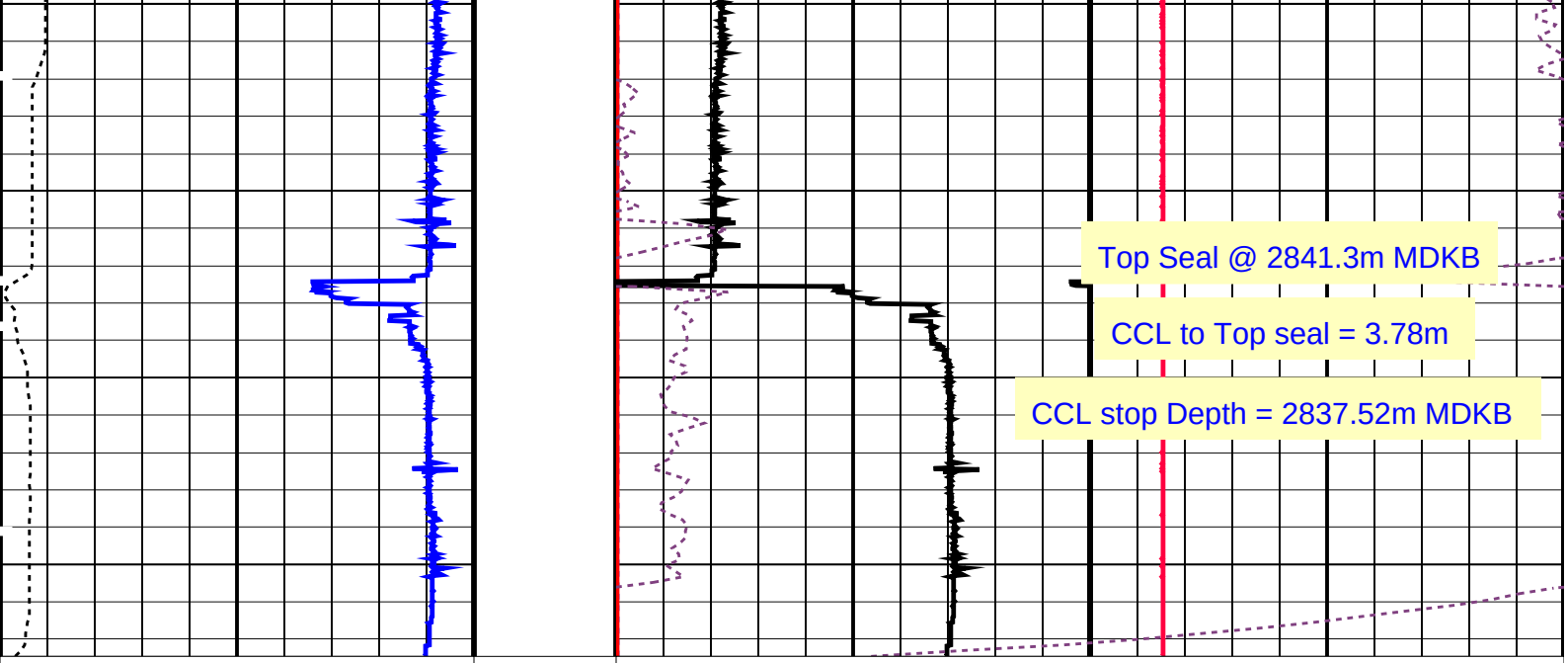
SHM_GUN 16C0−147 CCL−L 16C0−147

PIP SUMMARY

Casing Collars

Time Mark Every 60 S





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

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: 28−Dec−2008 08:43

OP System Version: 16C0−147

MCM

SHM_GUN	16C0−147	CCL−L	16C0−147

Output DLIS Files

DEFAULT	PERFO_042LUP	FN:40	PRODUCER	28−Dec−2008 08:43

Schlumberger

Patch Correlation Pass

MAXIS Field Log

Output DLIS Files

DEFAULT PERFO_041LUP FN:39 PRODUCER 28−Dec−2008 08:36

OP System Version: 16C0−147

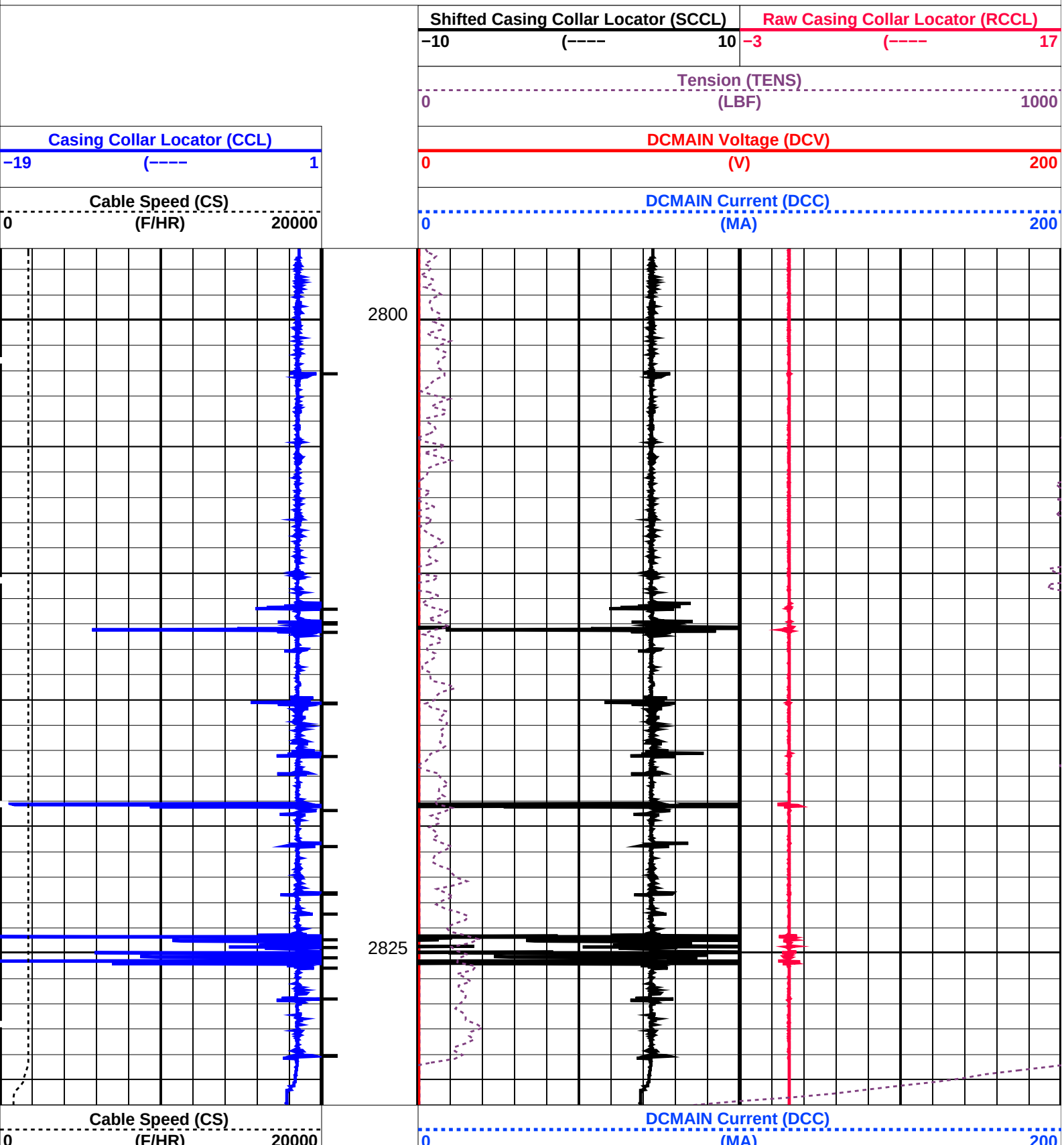
MCM

SHM_GUN 16C0−147 CCL−L 16C0−147

PIP SUMMARY

Casing Collars

Time Mark Every 60 S



Casing Collar Locator (CCL)		
−19	(−−−−	1

DCMAIN Voltage (DCV)		
0	(V)	200

Tension (TENS)		
0	(LBF)	1000

Shifted Casing Collar Locator (SCCL)			Raw Casing Collar Locator (RCCL)		
−10	(−−−−	10	−3	(−−−−	17

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: 28−Dec−2008 08:36

OP System Version: 16C0−147

MCM

SHM_GUN	16C0−147	CCL−L	16C0−147

Output DLIS Files

DEFAULT	PERFO_041LUP	FN:39	PRODUCER	28−Dec−2008 08:36

Schlumberger

Drift Pass for Tubing Patch

MAXIS Field Log

Input DLIS Files

DEFAULT	PERFO_032LUP	FN:30	PRODUCER	27−Dec−2008 16:30	2855.1 M	2780.1 M

Output DLIS Files

DEFAULT	PERFO_033PUP	FN:31	PRODUCER	27−Dec−2008 16:46	2853.4 M	2778.4 M

OP System Version: 16C0−147

MCM

SHM_GUN−OWEN	TUBING	CCL−L	16C0−147

PIP SUMMARY

Casing Collars

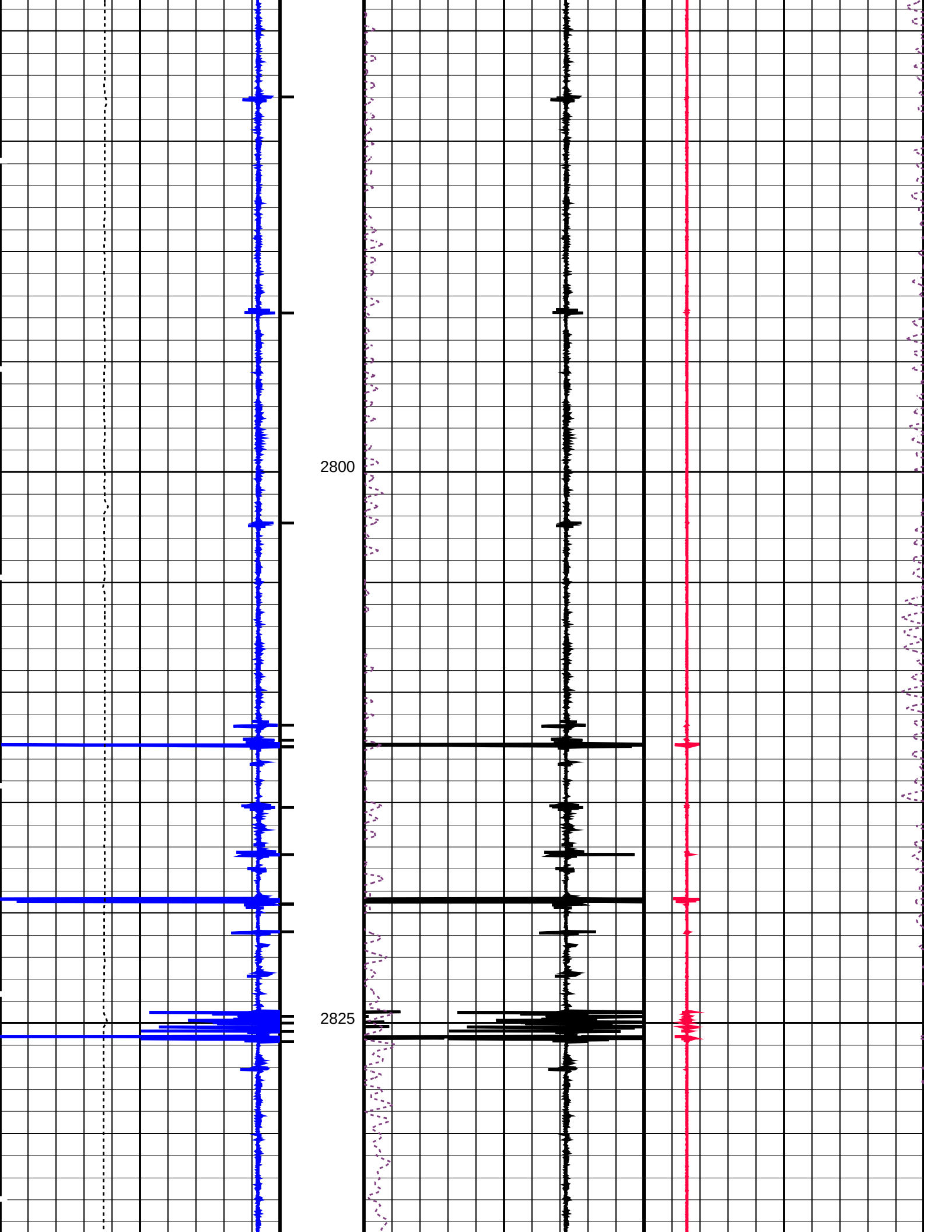
Time Mark Every 60 S

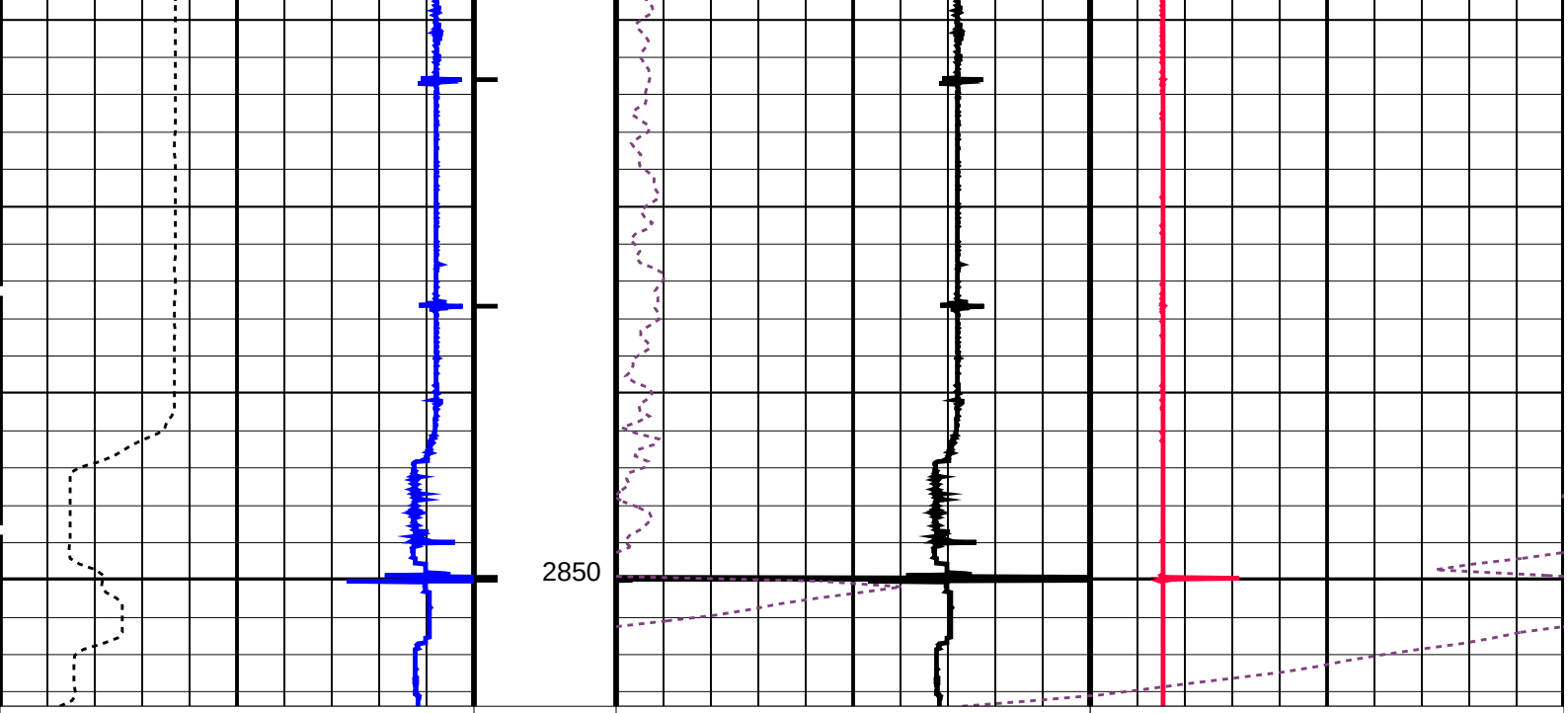
Casing Collar Locator (CCL)		
−19	(−−−−	1

Tension (TENS)		
0	(LBF)	1000

Cable Speed (CS)		
0	(F/HR)	5000

Shifted Casing Collar Locator (SCCL)			Raw Casing Collar Locator (RCCL)		
−10	(−−−−	10	−3	(−−−−	17


2800
2825



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
	System and Miscellaneous		
DO	Depth Offset for Playback	−1.7	M
PP	Playback Processing	NORMAL	

Format: PERFO_1 Vertical Scale: 1:200 Graphics File Created: 27−Dec−2008 16:46

OP System Version: 16C0−147

MCM

SHM_GUN−OWEN TUBING CCL−L 16C0−147

Input DLIS Files

DEFAULT	PERFO_032LUP	FN:30	PRODUCER	27−Dec−2008 16:30	2855.1 M	2780.1 M

Output DLIS Files

DEFAULT	PERFO_033PUP	FN:31	PRODUCER	27−Dec−2008 16:46

Schlumberger

Flowing Spinner Pass
2855m to 2816m MDKB

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A−5B

Input DLIS Files

DEFAULT	FCS_ILS_PSP_022LUP	FN:21	PRODUCER	27−Dec−2008 12:56	2898.5 M	2792.7 M

Output DLIS Files

DEFAULT	FCS_ILS_PSP_024PUP	FN:23	PRODUCER	27−Dec−2008 13:19	2898.8 M	2788.2 M

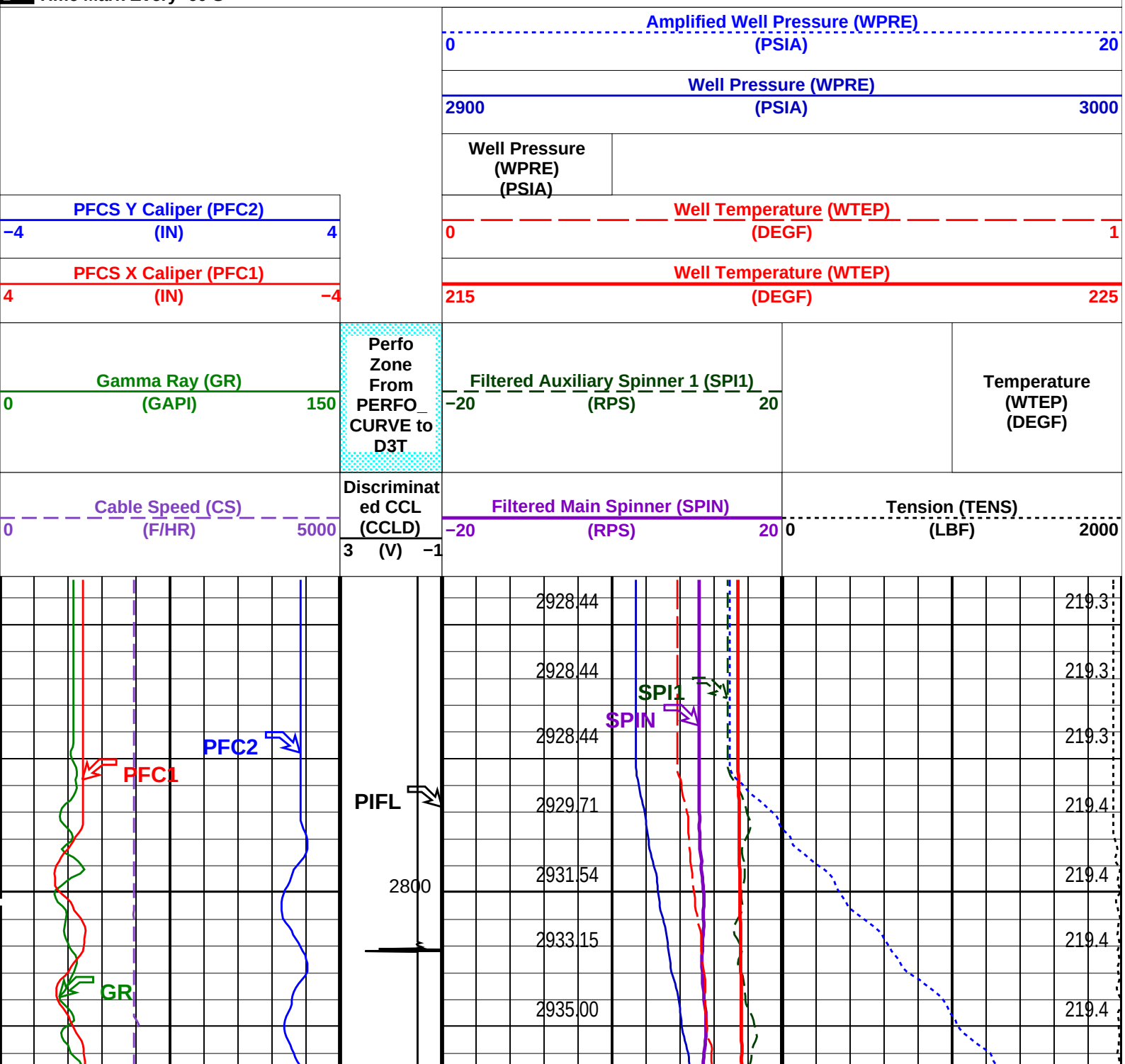
OP System Version: 16C0−147

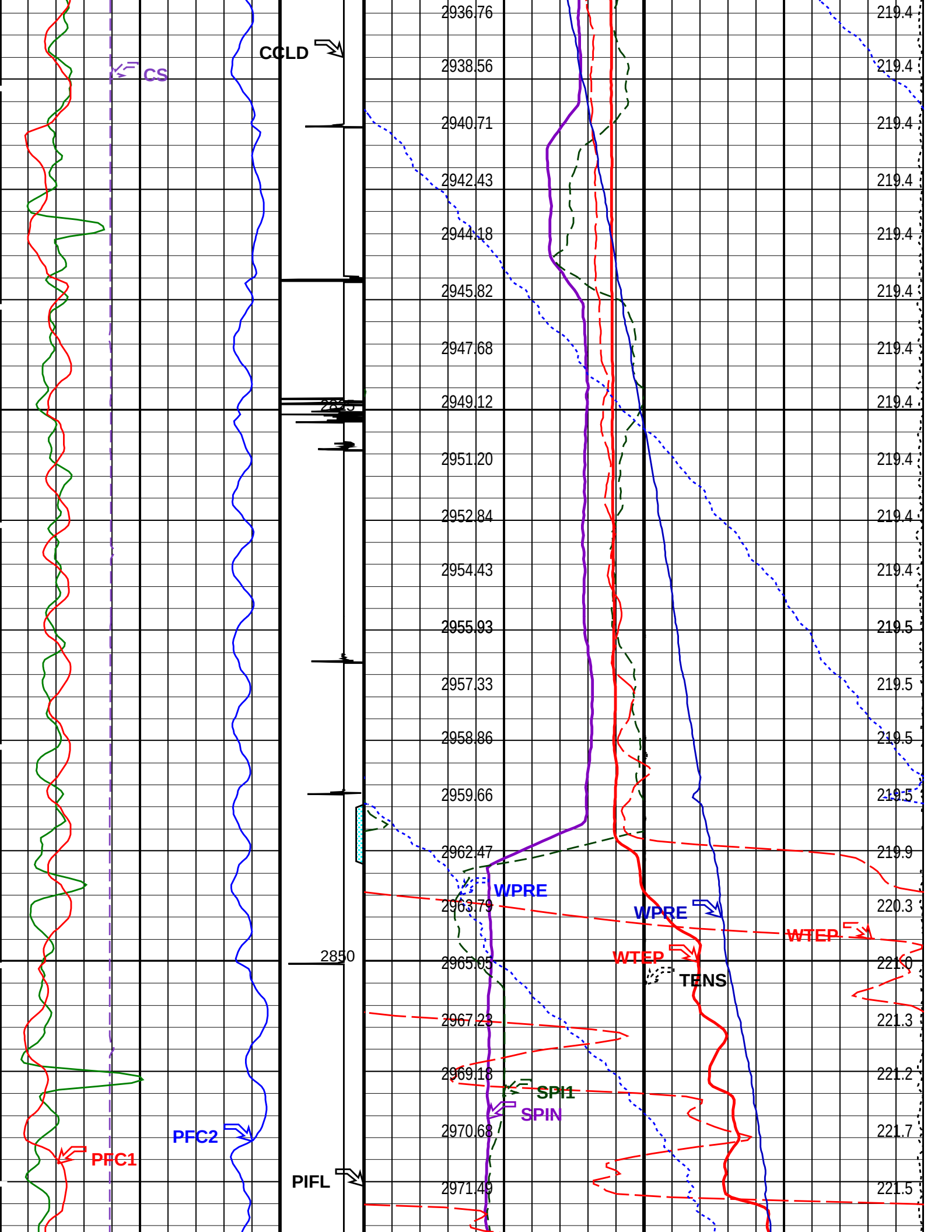
MCM

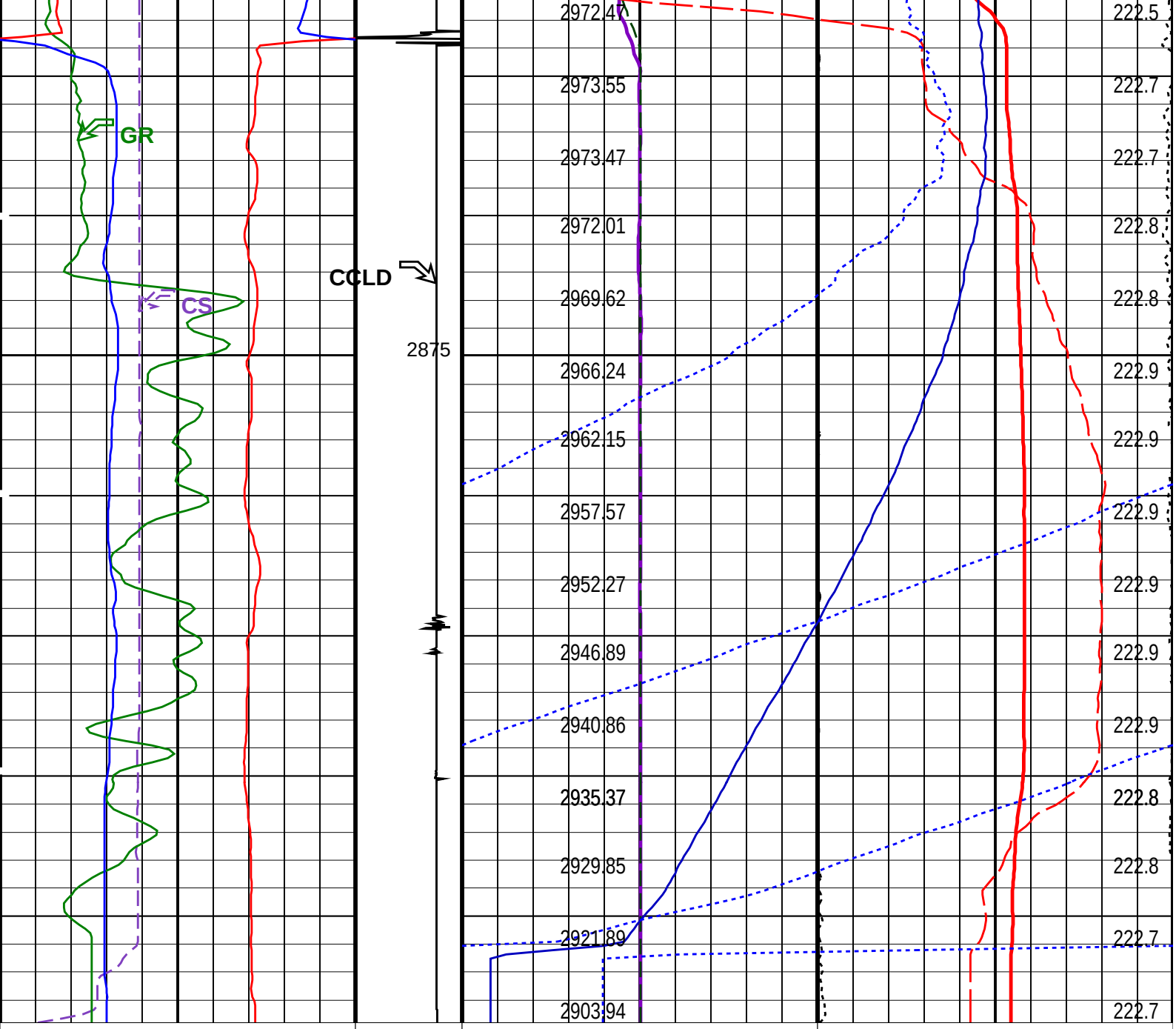
PFCS−A	SRPC−3624−Q2_2008_OP16_b	PILS−A	SRPC−3624−Q2_2008_OP16_b
PSPT−B	SRPC−3624−Q2_2008_OP16_b		

PIP SUMMARY

Time Mark Every 60 S




CCLD
CS
PFC1
PFC2
PIFL
2850
WPRE
WPRE
WTEP
WTEP
TENS
SPI1
SPIN
2936.76
2938.56
2940.71
2942.43
2944.18
2945.82
2947.68
2949.12
2951.20
2952.84
2954.43
2955.93
2957.33
2958.86
2959.66
2962.47
2963.79
2965.05
2967.23
2969.18
2970.68
2971.49
219.4
219.4
219.4
219.4
219.4
219.4
219.4
219.4
219.4
219.4
219.4
219.5
219.5
219.5
219.5
219.9
220.3
221.0
221.3
221.2
221.7
221.5



Cable Speed (CS) 0 (F/HR) 5000	Discriminated CCL (CCLD) 3 (V) −1	Filtered Main Spinner (SPIN) −20 (RPS) 20
Tension (TENS) 0 (LBF) 2000		
Gamma Ray (GR) 0 (GAPI) 150	Perfo Zone From PERFO_CURVE to D3T	Filtered Auxiliary Spinner 1 (SPI1) −20 (RPS) 20
Temperature (WTEP) (DEGF)		
PFCS X Caliper (PFC1) 4 (IN) −4		Well Temperature (WTEP) 215 (DEGF) 225
PFCS Y Caliper (PFC2) −4 (IN) 4		Well Temperature (WTEP) 0 (DEGF) 1
		Well Pressure (WPRE) (PSIA)
		Well Pressure (WPRE) 2900 (PSIA) 3000
		Amplified Well Pressure (WPRE)

Amplified Well Pressure (WPRE)
0 (PSIA) 20

PIP SUMMARY

Time Mark Every 60 S

Format: PSP+SPIN Vertical Scale: 1:200 Graphics File Created: 27−Dec−2008 13:19

OP System Version: 16C0−147

MCM

PFCS−A	SRPC−3624−Q2_2008_OP16_b	PILS−A	SRPC−3624−Q2_2008_OP16_b
PSPT−B	SRPC−3624−Q2_2008_OP16_b		

Parameters

DLIS Name	Description	Value
PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_TURB
PILS−A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_TURB
System and Miscellaneous		
DO	Depth Offset for Playback	0.3 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_ILS_PSP_022LUP	FN:21	PRODUCER	27−Dec−2008 12:56	2898.5 M	2792.7 M

Output DLIS Files

DEFAULT	FCS_ILS_PSP_024PUP	FN:23	PRODUCER	27−Dec−2008 13:19

Schlumberger

Static Spinner Pass
2855m to 2816m MDKB

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A−5B

Input DLIS Files

DEFAULT	FCS_ILS_PSP_017LUP	FN:16	PRODUCER	27−Dec−2008 12:06	2880.1 M	2790.7 M

Output DLIS Files

DEFAULT	FCS_ILS_PSP_019PUP	FN:18	PRODUCER	27−Dec−2008 12:20	2888.6 M	2794.4 M

OP System Version: 16C0−147

MCM

PFCS−A	SRPC−3624−Q2_2008_OP16_b	PILS−A	SRPC−3624−Q2_2008_OP16_b
PSPT−B	SRPC−3624−Q2_2008_OP16_b		

PIP SUMMARY

Time Mark Every 60 S

Amplified Well Pressure (WPRE)
0 (PSIA) 20

0 (PSIA) 20

Well Pressure (WPRE)
3100 (PSIA) 3200

Well Pressure (WPRE) (PSIA)

PFCS Y Caliper (PFC2)
−4 (IN) 4

Well Temperature (WTEP)
0 (DEGF) 1

PFCS X Caliper (PFC1)
4 (IN) −4

Well Temperature (WTEP)
215 (DEGF) 225

Gamma Ray (GR)
0 (GAPI) 150

Perfo Zone From PERFO_CURVE to D3T

Filtered Auxiliary Spinner 1 (SPI1)
−20 (RPS) 20

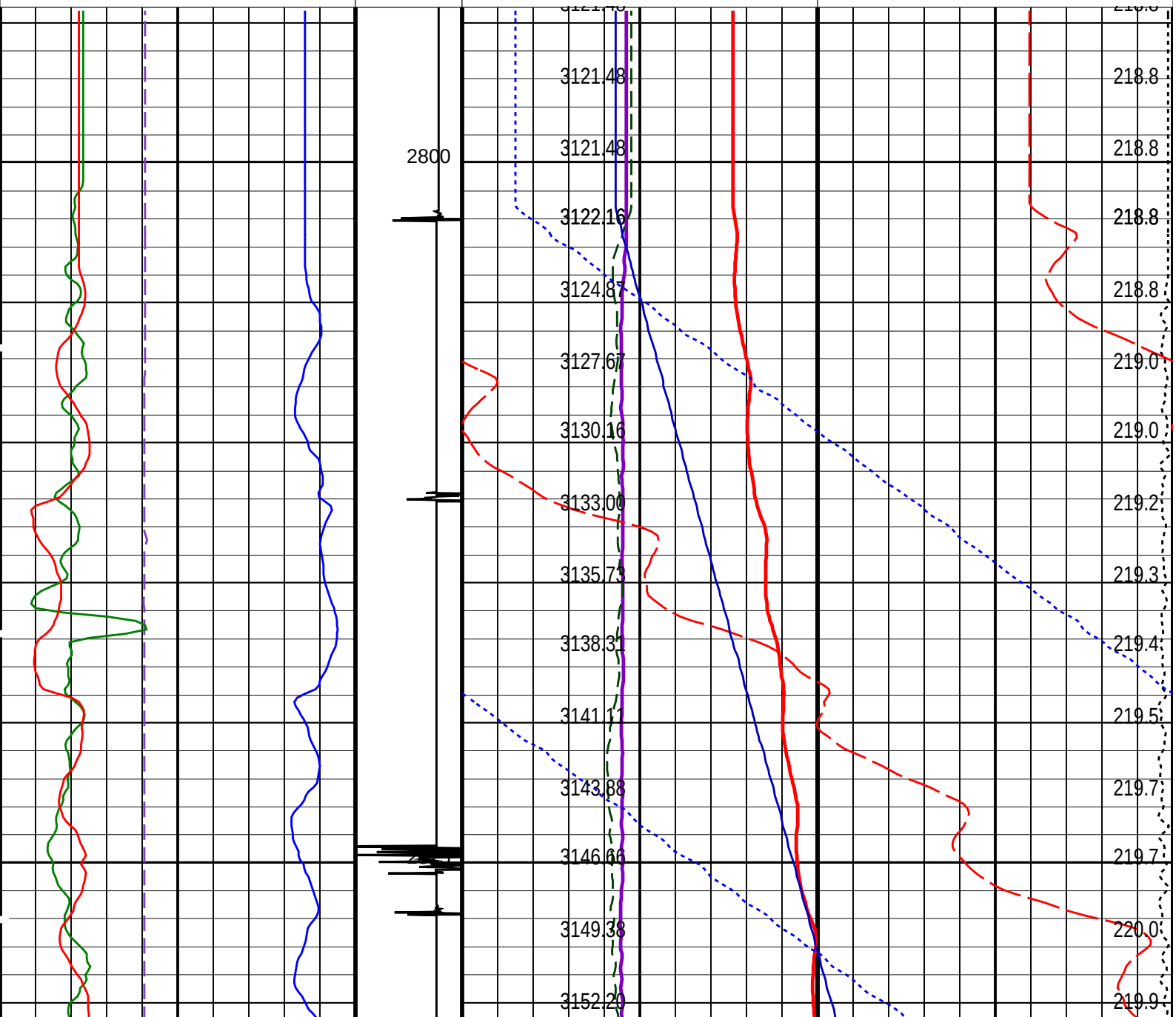
Temperature (WTEP) (DEGF)

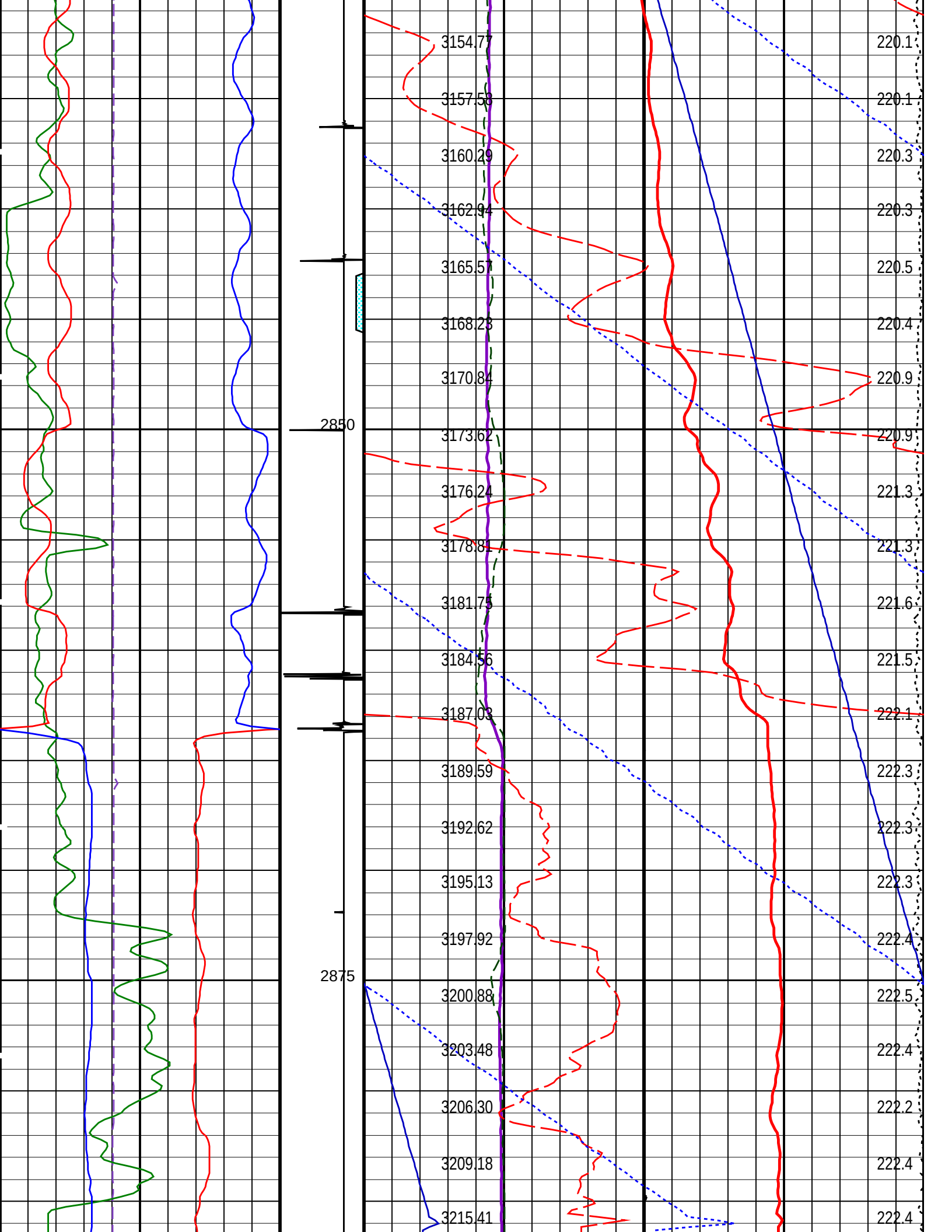
Cable Speed (CS)
0 (F/HR) 5000

Discriminated CCL (CCLD)
3 (V) −1

Filtered Main Spinner (SPIN)
−20 (RPS) 20

Tension (TENS)
0 (LBF) 2000




2850
2875
3154.77
3157.53
3160.29
3162.94
3165.57
3168.23
3170.84
3173.62
3176.24
3178.81
3181.75
3184.56
3187.03
3189.59
3192.62
3195.13
3197.92
3200.88
3203.48
3206.30
3209.18
3215.41
220.1
220.1
220.3
220.3
220.5
220.4
220.9
220.9
221.3
221.3
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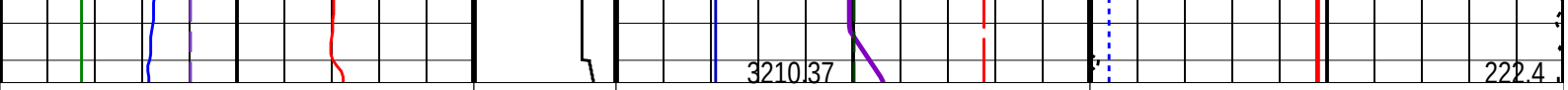
222.4
222.4



Cable Speed (CS) 0 (F/HR) 5000	Discriminated CCL (CCLD) 3 (V) −1	Filtered Main Spinner (SPIN) −20 (RPS) 20	Tension (TENS) 0 (LBF) 2000
Gamma Ray (GR) 0 (GAPI) 150	Perfo Zone From PERFO_CURVE to D3T	Filtered Auxiliary Spinner 1 (SPI1) −20 (RPS) 20	Temperature (WTEP) (DEGF)
PFCS X Caliper (PFC1) 4 (IN) −4		Well Temperature (WTEP) 215 (DEGF) 225	
PFCS Y Caliper (PFC2) −4 (IN) 4		Well Temperature (WTEP) 0 (DEGF) 1	
		Well Pressure (WPRE) (PSIA)	
		Well Pressure (WPRE) 3100 (PSIA) 3200	
		Amplified Well Pressure (WPRE) 0 (PSIA) 20	

PIP SUMMARY

Time Mark Every 60 S

Format: PSP+SPIN Vertical Scale: 1:200 Graphics File Created: 27−Dec−2008 12:20

OP System Version: 16C0−147

MCM

PFCS−A	SRPC−3624−Q2_2008_OP16_b	PILS−A	SRPC−3624−Q2_2008_OP16_b
PSPT−B	SRPC−3624−Q2_2008_OP16_b		

Parameters

DLIS Name	Description	Value	
	PFCS−A: PSP Flow and caliper Tool		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_TURB	
	PILS−A: PSP In Line Spinner Flowmeter		
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE	
SDCF	Spinner Depth Constant Filter	6	
SPI1	Auxiliary Spinner 1 Flowmeter Sonde	PILS−A	
SPIN	Main Spinner Flowmeter Sonde	PFCS−A_TURB	
	System and Miscellaneous		
DO	Depth Offset for Playback	8.6	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FCS_ILS_PSP_017LUP	FN:16	PRODUCER	27−Dec−2008 12:06	2880.1 M	2790.7 M

Output DLIS Files

DEFAULT	FCS_ILS_PSP_019PUP	FN:18	PRODUCER	27−Dec−2008 12:20

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **A−5B**

Field: **Halibut**

Rig:	**Crane / Prod 4**
Country:	**Australia**

Pressure / Temperature / Spinner Survey
Set OWEN Tubing Patch
1 11/16" Powerspiral Perforation Record