

Company: Esso Australia Ltd.

Well: W-17

Field: West Tuna

Rig: Prodd / Crane

Country: Australia

Gamma Ray
Pressure / Temperature
Survey

Field: West Tuna
Location: Gippsland
Well: W-17
Company: Esso Australia Ltd.

LOCATION

Gippsland
Basin
Bass Strait
Permanent Datum: MSL
Log Measured From: DF
Drilling Measured From: DF
Elev.: K.B. 23 m
G.L. -61.9 m
D.F. 23 m
Elev.: 0 m
23.0 m above Perm. Datum

State: Victoria
Max. Well Deviation 41 deg
Longitude 148 39'22" E
Latitude 038 19'36" S

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

B Robinson

PVT DATA

Oil Density

Water Salinity

Gas Gravity

Bo

Bw

1/Bg

Bubble Point Pressure

Bubble Point Temperature

Solution GOR

Maximum Deviation

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

Run 1

DEPTH SUMMARY LISTING

Date Created: 7-AUG-2006 12:52:54

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-H	Type:	CMTD-C	Type:	2-32ZT
Serial Number:	797	Serial Number:	1037	Serial Number:	26087
Calibration Date:	1-May-2006	Calibration Date:	7-Aug-2006	Length:	6900.06 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1174	Conveyance Method: Wireline Rig Type: Offshore_Fixed	
Calibration Cable Type:	2-32ZT	Calibration Gain:	1.10		
Wheel Correction 1:	-3	Calibration Offset:	325.00		
Wheel Correction 2:	-3				

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Solar Log
Reference Log Run Number:	1
Reference Log Date:	1997
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. Correlated to Solar Log provided by client.
2. IDW used as primary depth control.
3. Z-Chart used as secondary depth control.
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 ExxonMobil West Tuna W-17 Composite Log
Objectives: Conduct GR Survey over the interval 3000 m MDKB to 3580m MDKB and
Record Static Pressure/Temperature Survey over selected Intervals .
Maximum Well Deviation : 41 deg @ 1075m MDKB .
SBHP: 2278 psia SBHT: 260 degf
HUD : 3532m MDKB
Fluid Level : 3060m MDKB
Shut in logs were completed 12hrs after the well was shut in , but the well

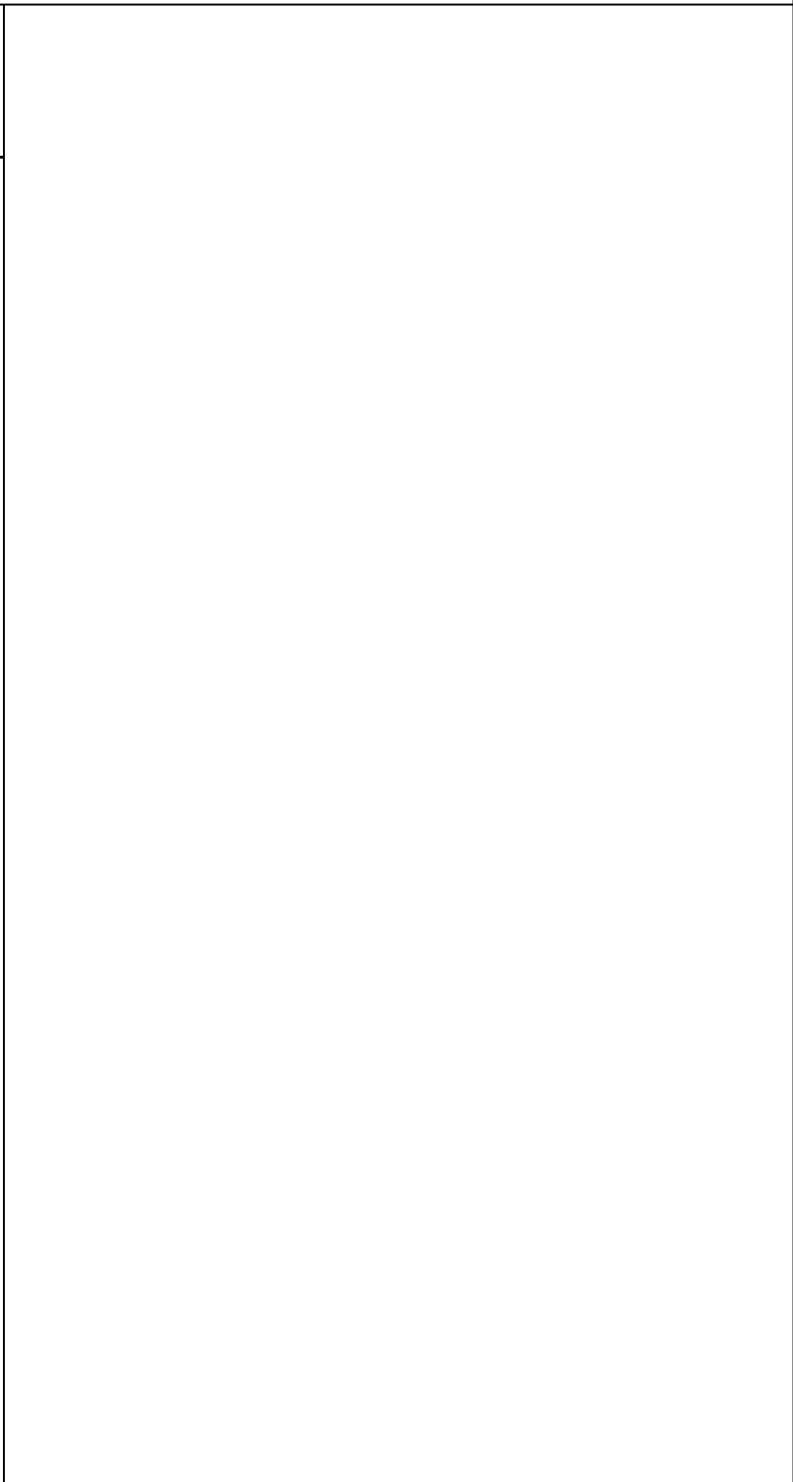
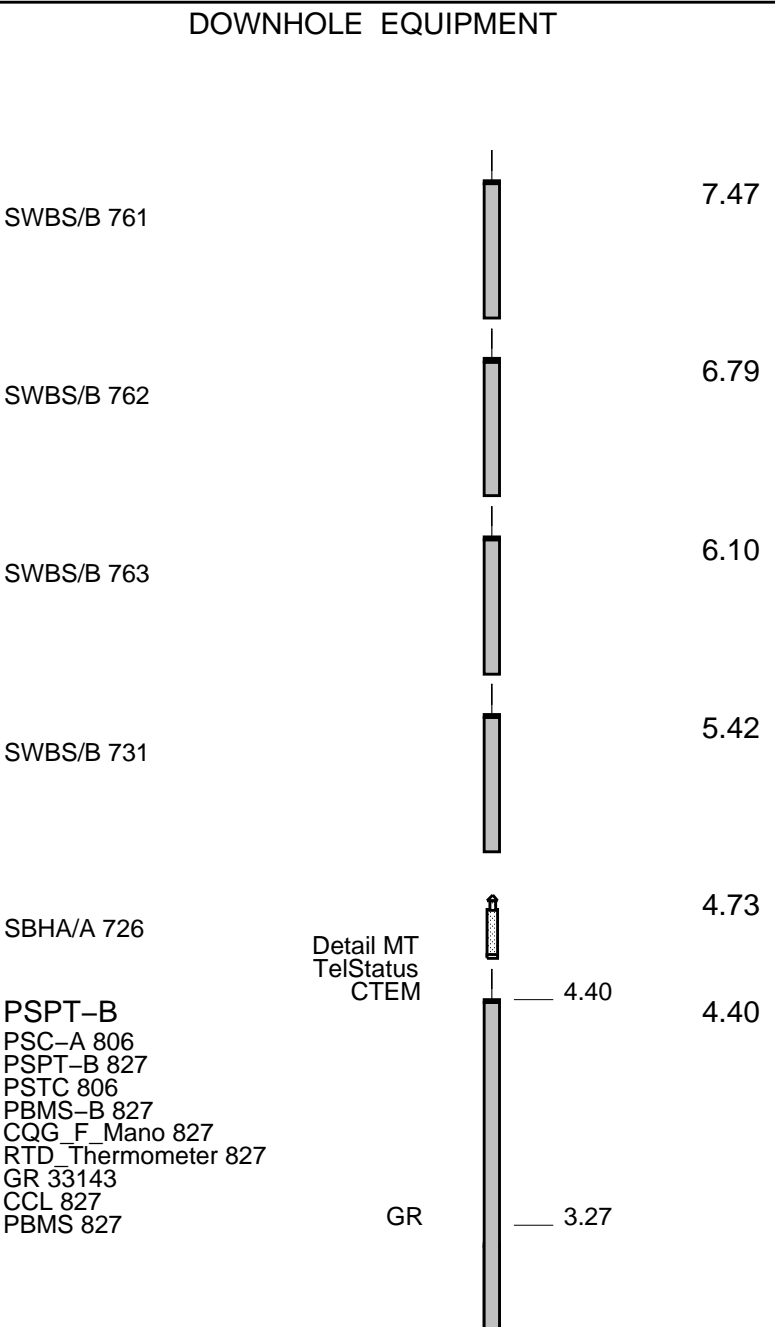
hadn't fully stablized .
Static Station log's were 26hrs after the well had been shut in .

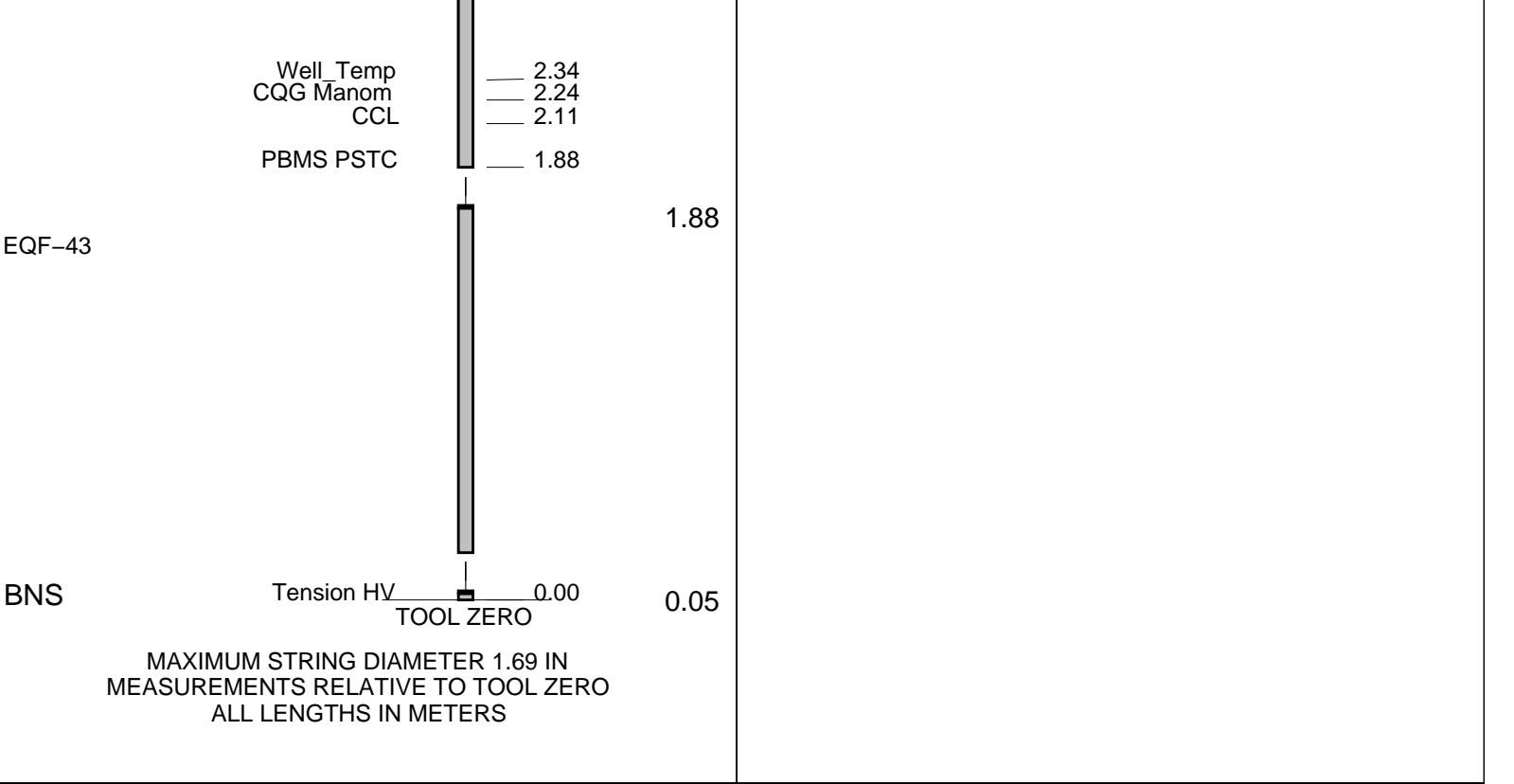
Schlumberger Crew : Andrew Hall , Gerald Brady

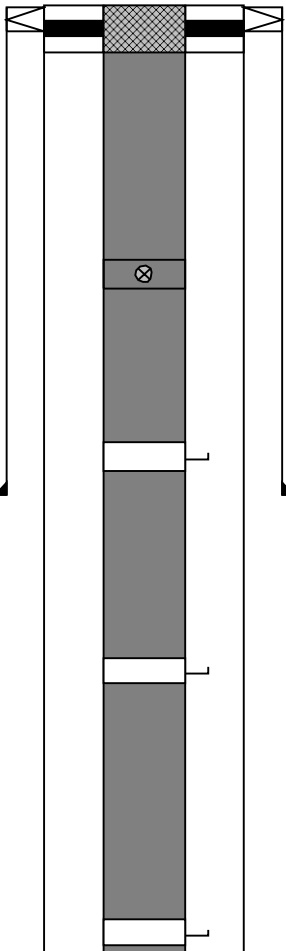
RUN 1					
SERVICE ORDER #:		AUSL06336242			
PROGRAM VERSION:		14C0-302			
FLUID LEVEL:		3060 m			
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

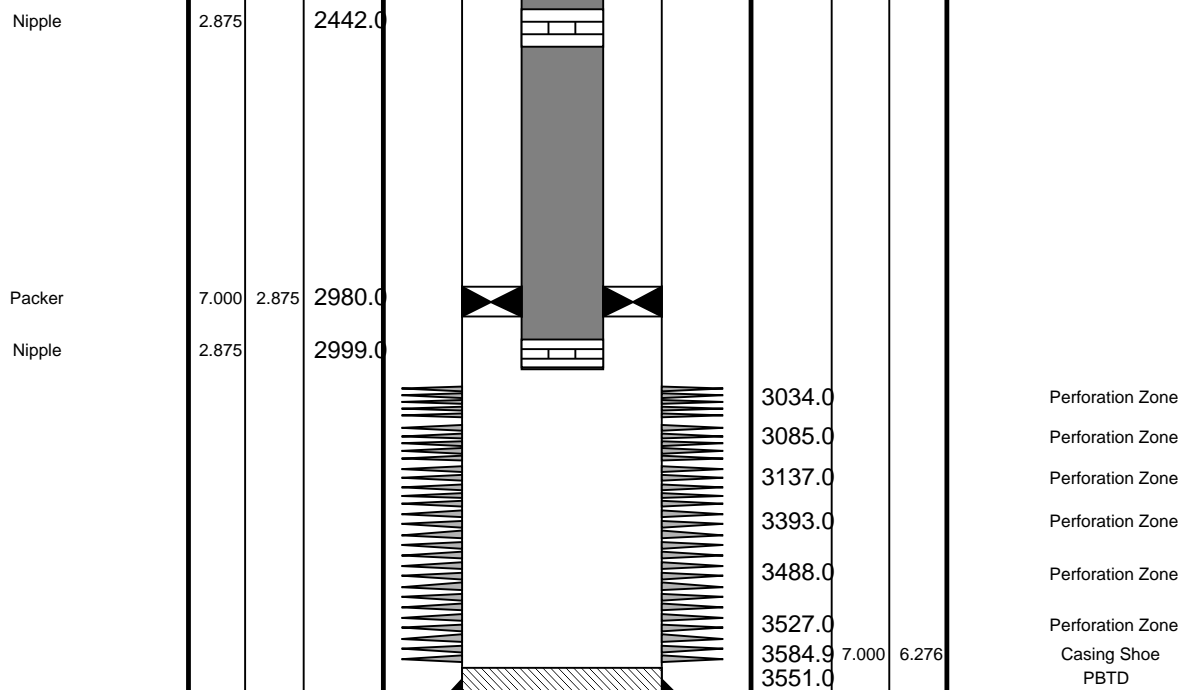
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT
WITM-A 827
PSC_16MHZ 806



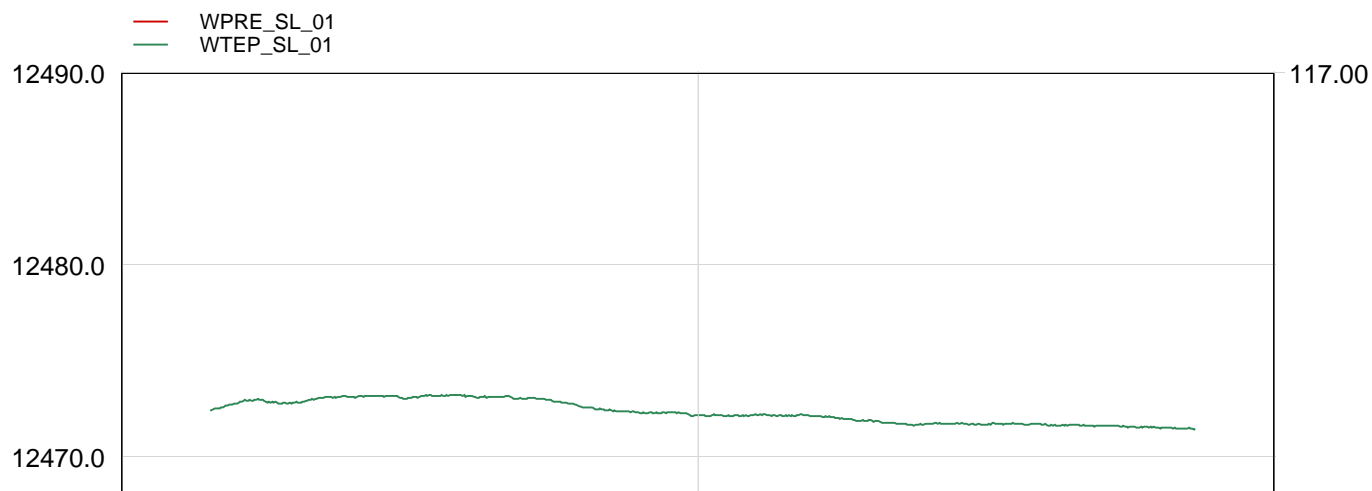


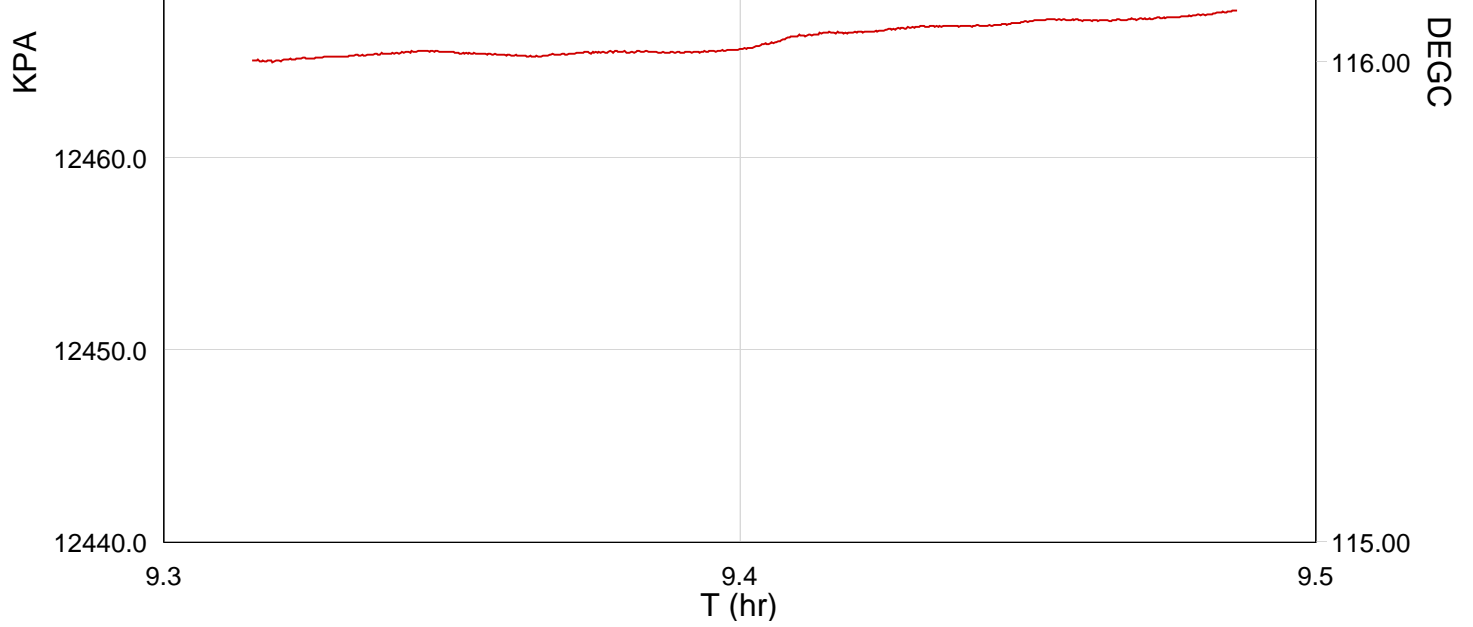
Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Tubing Hanger	2.875 7.000	2.441 2.875	16.9 16.9		17.6 17.6 17.6	9.625 7.000 9.625	6.276 7.000	Casing String Casing String Liner Hanger
Shutin Valve	2.875		445.0					
Gas Lift Mandrel	2.875		724.0		762.0	9.625		Casing Shoe
Gas Lift Mandrel	2.875		1238.0					
Gas Lift Mandrel	2.875		2426.0					
Gas Lift Mandrel	2.875							



Static Station Log
3000m MDKB – 2400.8m TVDss

MAXIS Field Log





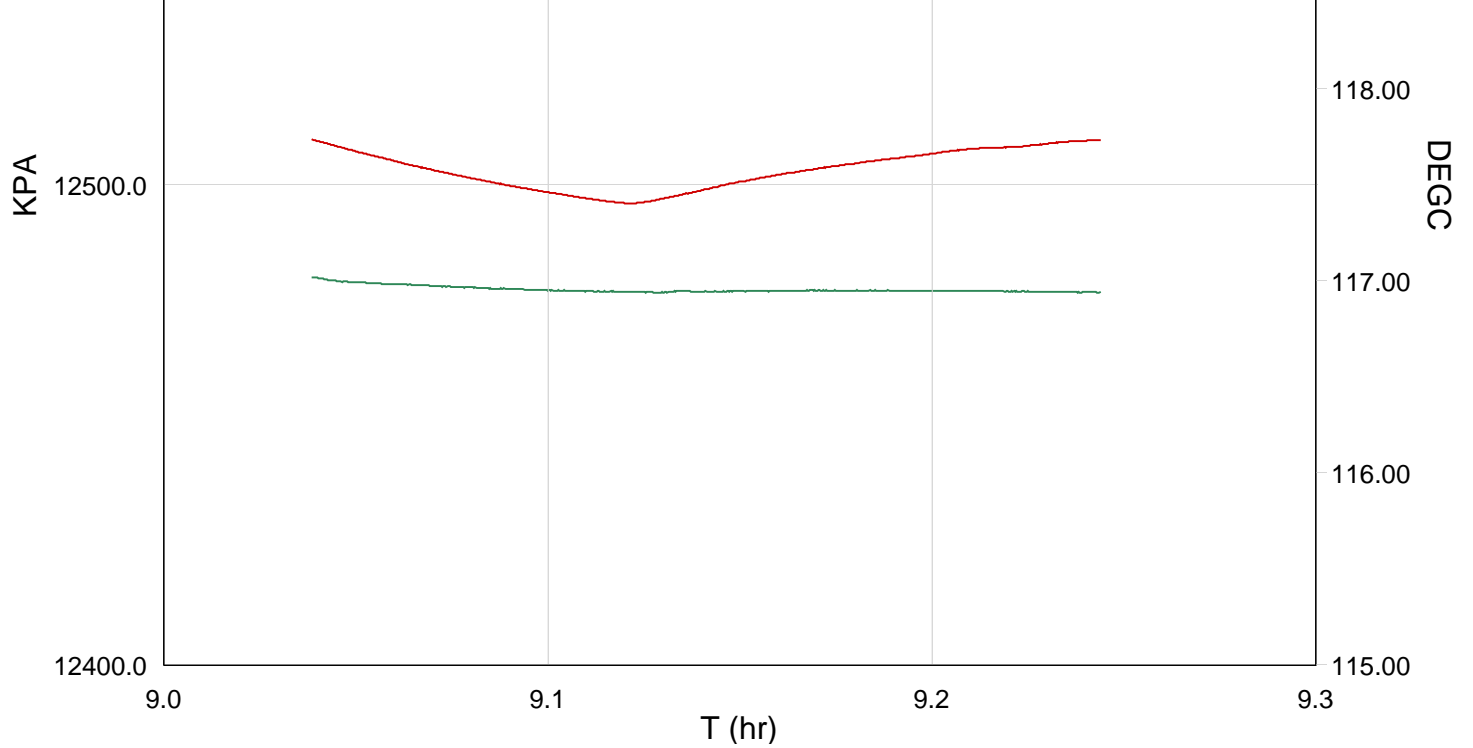
TIME	TOJ	WTEP_SL	WPRE_SL
2100.0000	9.3189	241.3581	1807.8980
2160.0000	9.3355	241.3859	1807.9534
2220.0000	9.3522	241.3916	1807.9636
2280.0000	9.3689	241.3783	1807.9511
2340.0000	9.3855	241.3349	1807.9714
2400.0000	9.4022	241.3163	1808.0036
2460.0000	9.4189	241.3173	1808.1225
2520.0000	9.4355	241.2852	1808.1725
2580.0000	9.4522	241.2853	1808.2127
2640.0000	9.4689	241.2760	1808.2135
2700.0000	9.4855	241.2697	1808.2858

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Static Station Log
3055m MDKB – 2443.8m TVDss

MAXIS Field Log





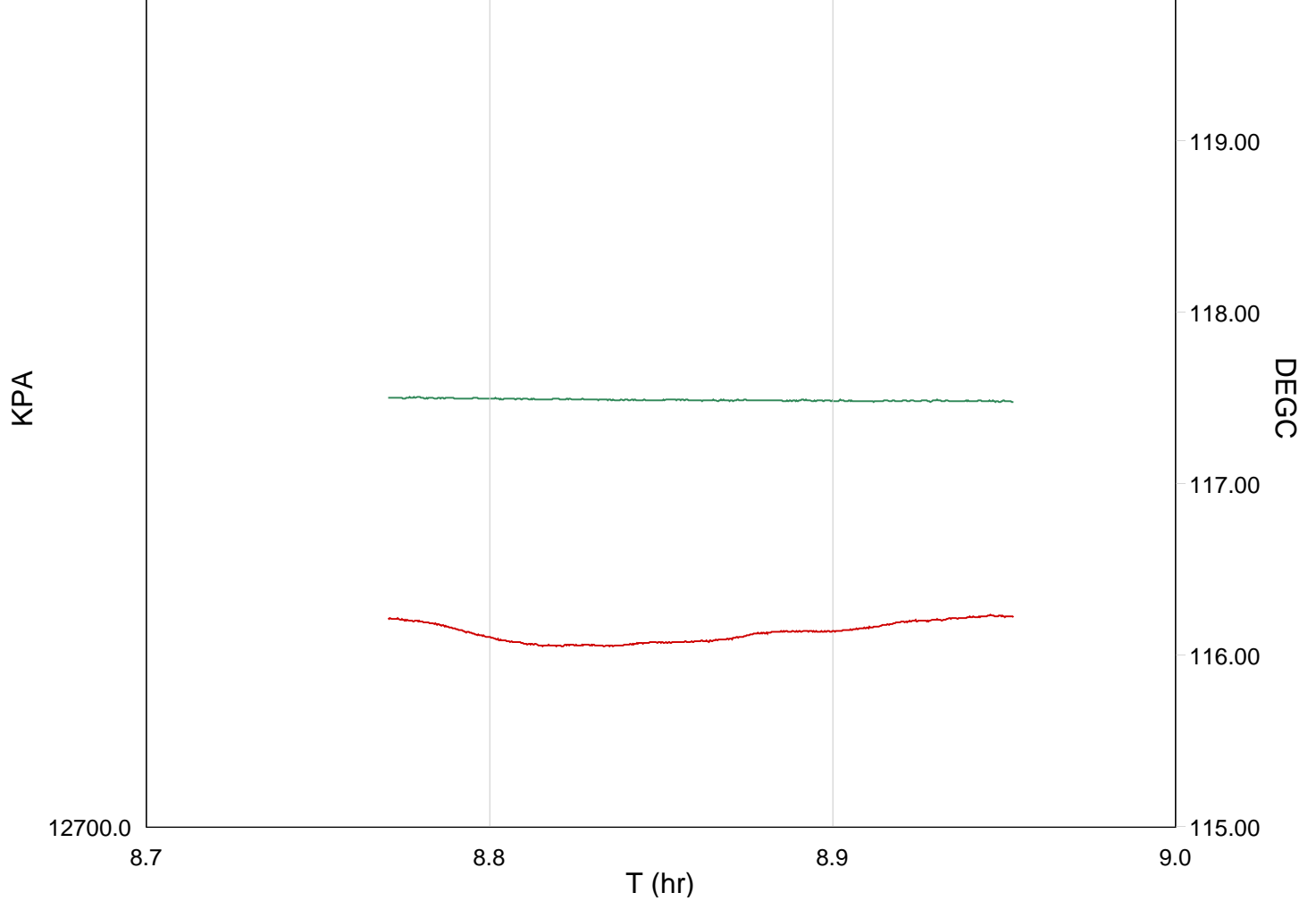
TIME	TOJ	WTEP_SL	WPRE_SL
1080.0000	8.9431	240.4111	1795.1827
1140.0000	9.0521	242.5891	1813.9333
1200.0000	9.0687	242.5619	1813.4643
1260.0000	9.0854	242.5315	1813.0663
1320.0000	9.1021	242.5141	1812.7228
1380.0000	9.1187	242.5021	1812.4470
1440.0000	9.1354	242.5070	1812.6992
1500.0000	9.1521	242.5092	1813.1205
1560.0000	9.1687	242.5155	1813.4484
1620.0000	9.1854	242.5140	1813.7143
1680.0000	9.2021	242.5092	1813.9567
1740.0000	9.2187	242.5051	1814.1174
1800.0000	9.2354	242.4987	1814.2827

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Static Station Log
3102m MDKB – 2480.7m TVDss

MAXIS Field Log





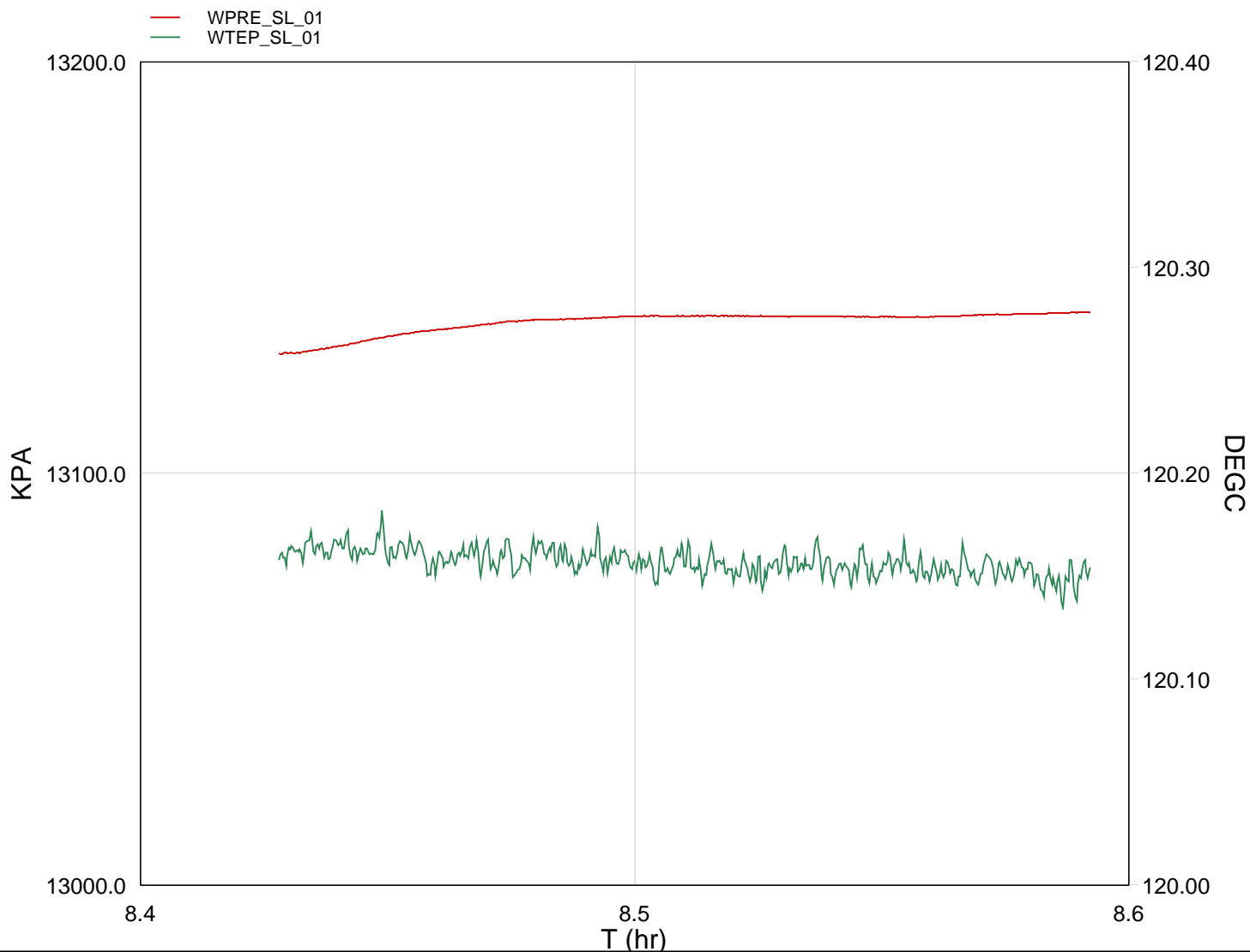
TIME	TOJ	WTEP_SL	WPRE_SL
120.0000	8.3515	233.4038	1757.3417
180.0000	8.7855	243.5059	1845.4018
240.0000	8.8022	243.4985	1845.1597
300.0000	8.8189	243.4992	1845.0551
360.0000	8.8355	243.4858	1845.0527
420.0000	8.8522	243.4879	1845.1085
480.0000	8.8689	243.4848	1845.1531
540.0000	8.8853	243.4775	1845.2820
600.0000	8.9019	243.4820	1845.2990
660.0000	8.9186	243.4748	1845.4397
720.0000	8.9353	243.4759	1845.5175
780.0000	8.9519	243.4702	1845.5458

Schlumberger

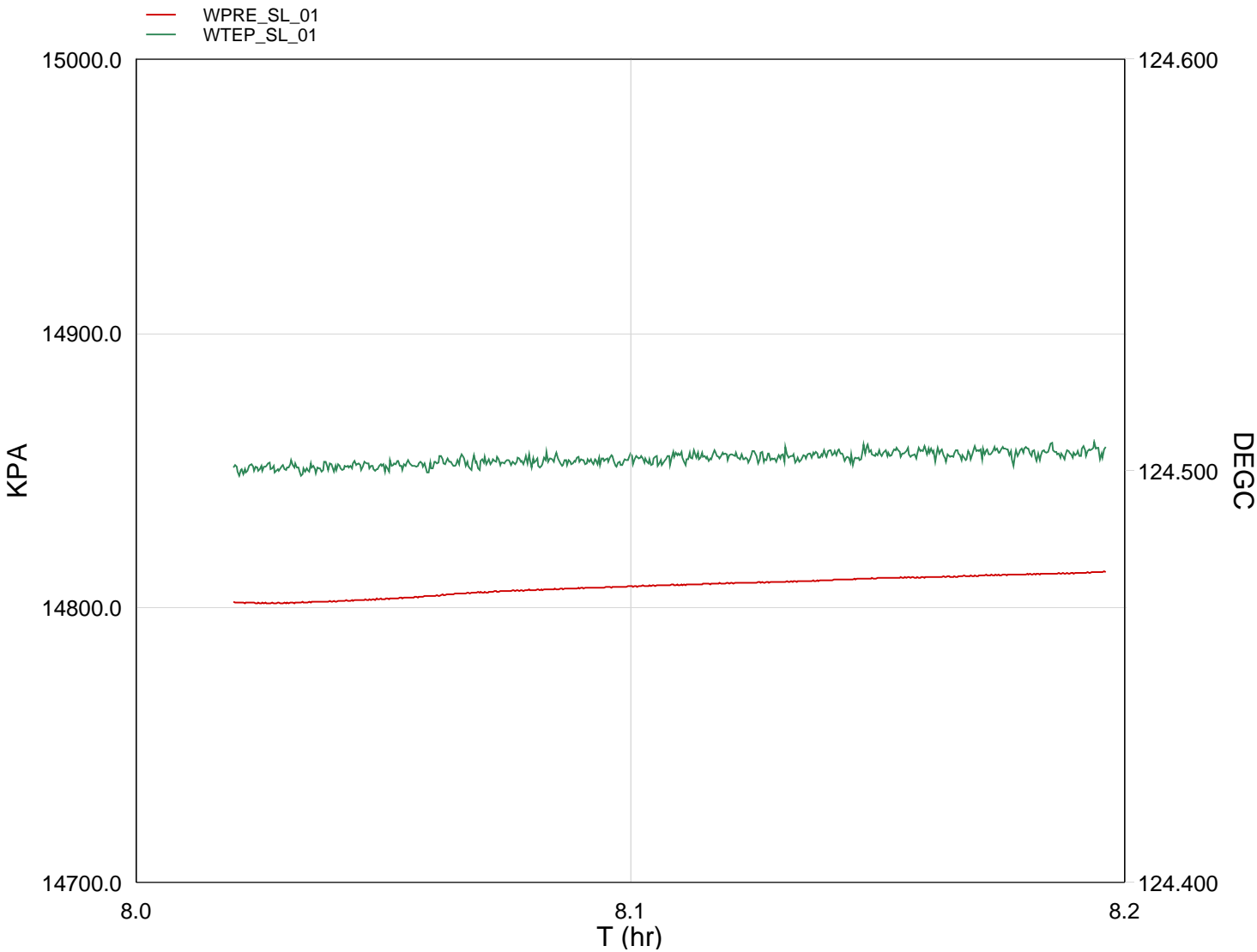
Static Station Log
3170m MDKB – 2534.5m TVDss

MAXIS Field Log

TIME	TOJ	WTEP_SL	WPRE_SL
6300.0000	8.3957	247.4541	1896.9112
6360.0000	8.4380	248.2864	1904.4167
6420.0000	8.4546	248.3028	1904.9399
6480.0000	8.4713	248.2824	1905.2797
6540.0000	8.4880	248.2736	1905.4334
6600.0000	8.5046	248.2640	1905.5518
6660.0000	8.5213	248.2698	1905.5470
6720.0000	8.5380	248.2673	1905.5290
6780.0000	8.5546	248.2984	1905.5090
6840.0000	8.5713	248.2890	1905.5909
6900.0000	8.5880	248.2792	1905.6634



MAXIS Field Log

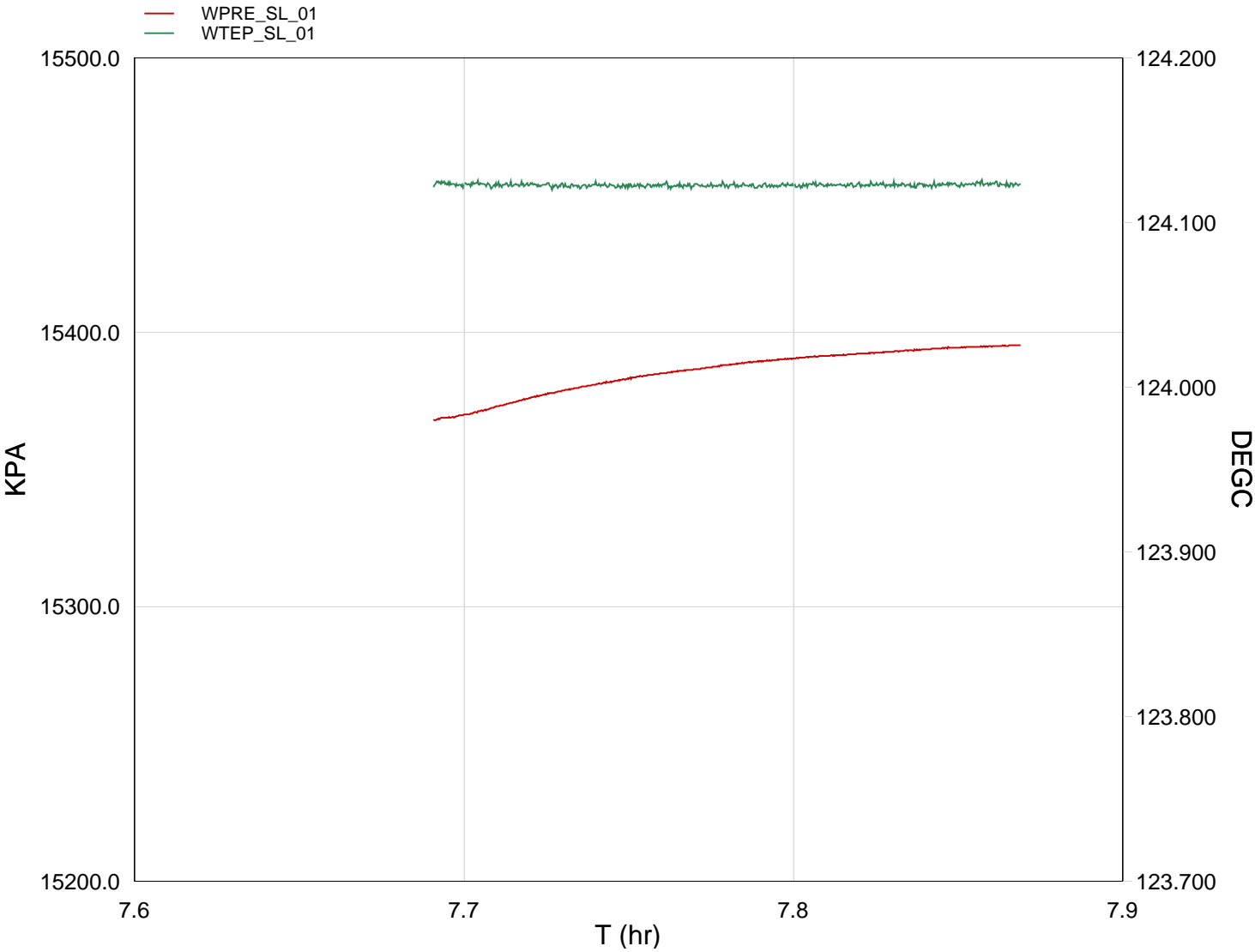


TIME	TOJ	WTEP_SL	WPRE_SL
4860.0000	8.0213	256.1007	2146.8603
4920.0000	8.0380	256.1031	2146.8932
4980.0000	8.0547	256.1029	2147.0918
5040.0000	8.0713	256.1049	2147.4018
5100.0000	8.0880	256.1030	2147.5904
5160.0000	8.1047	256.1047	2147.7609
5220.0000	8.1213	256.1076	2147.8740
5280.0000	8.1380	256.1063	2147.9997
5340.0000	8.1547	256.1065	2148.1760
5400.0000	8.1713	256.1087	2148.2895
5460.0000	8.1880	256.1065	2148.3799



Static Station Log
3480m MDKB – 2783.7m TVDss

MAXIS Field Log



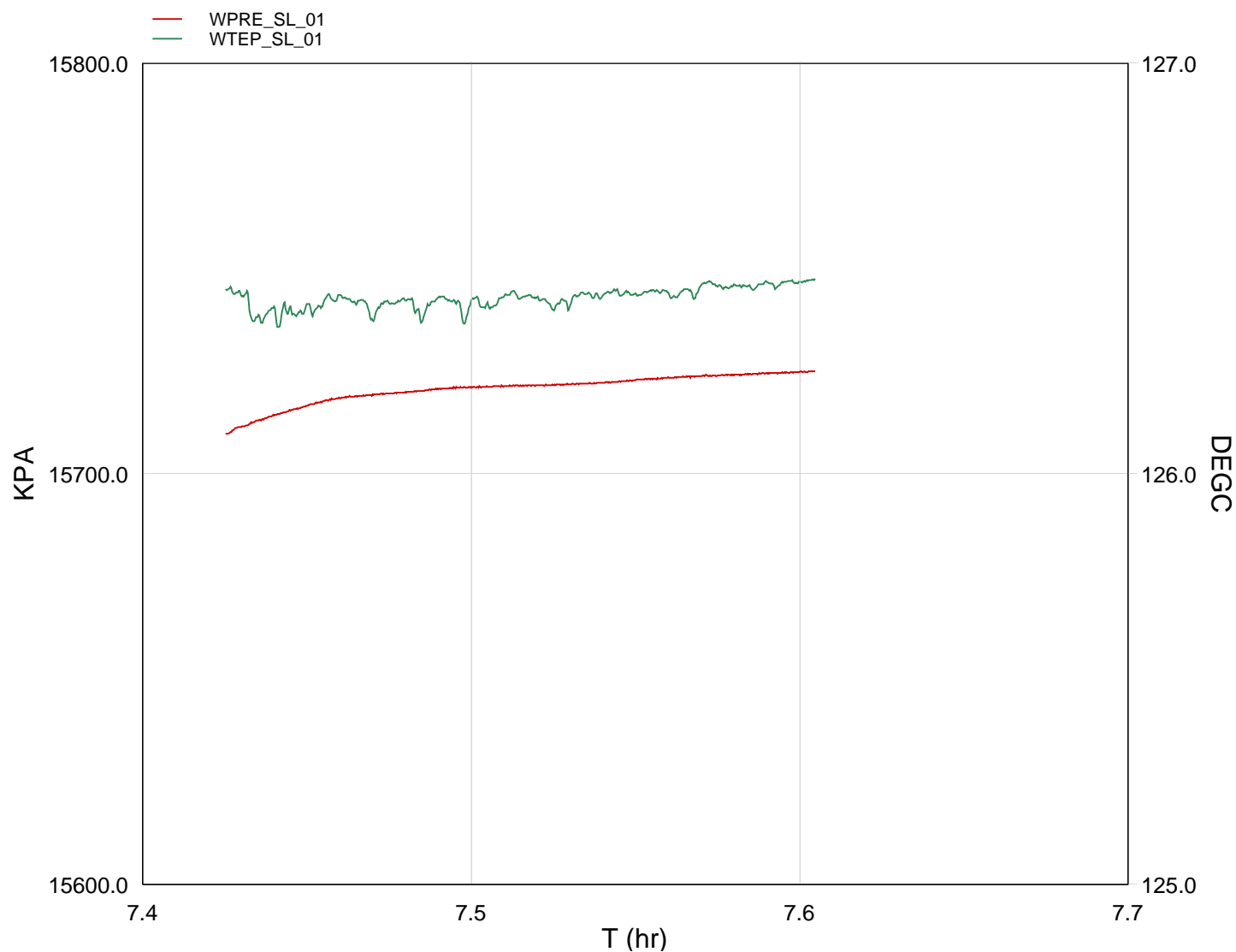
TIME	TOJ	WTESL	WPRESL
3660.0000	7.6703	254.8214	2223.0077
3720.0000	7.7048	255.4215	2229.4189
3780.0000	7.7214	255.4222	2230.1799
3840.0000	7.7381	255.4209	2230.7693
3900.0000	7.7548	255.4186	2231.3015
3960.0000	7.7714	255.4204	2231.6405
4020.0000	7.7881	255.4193	2232.0164

4080.0000	7.8048	255.4222	2232.2846
4140.0000	7.8214	255.4201	2232.4714
4200.0000	7.8381	255.4219	2232.6572
4260.0000	7.8548	255.4220	2232.8167
4320.0000	7.8714	255.4219	2232.9332

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Static Station Log
3530m MDKB – 2825.3m TVDss

MAXIS Field Log



TIME	TOJ	WTEP_SL	WPRE_SL
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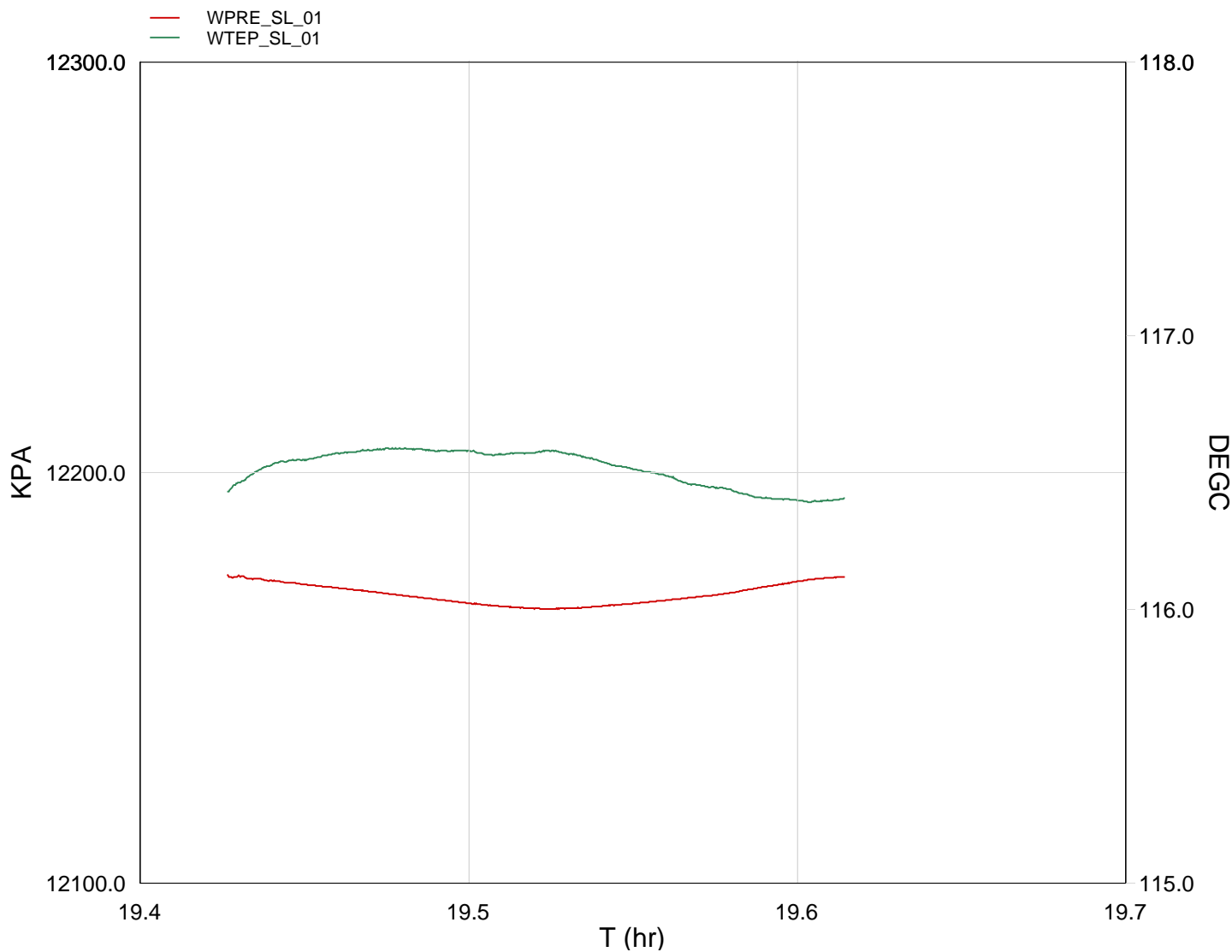
2700.0000	7.3896	258.5165	2267.5626
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2760.0000	7.4383	259.5131	2279.0968
2820.0000	7.4550	259.5482	2279.6642
2880.0000	7.4717	259.5290	2279.8992
2940.0000	7.4883	259.5576	2280.0766
3000.0000	7.5050	259.5511	2280.1571
3060.0000	7.5217	259.5651	2280.2243
3120.0000	7.5383	259.5916	2280.3040
3180.0000	7.5550	259.6026	2280.4581
3240.0000	7.5717	259.6394	2280.5597
3300.0000	7.5883	259.6303	2280.6388
3360.0000	7.6050	259.6437	2280.7157



Shut in Static Station Log
3000m MDKB – 2400.8m TVDss

MAXIS Field Log

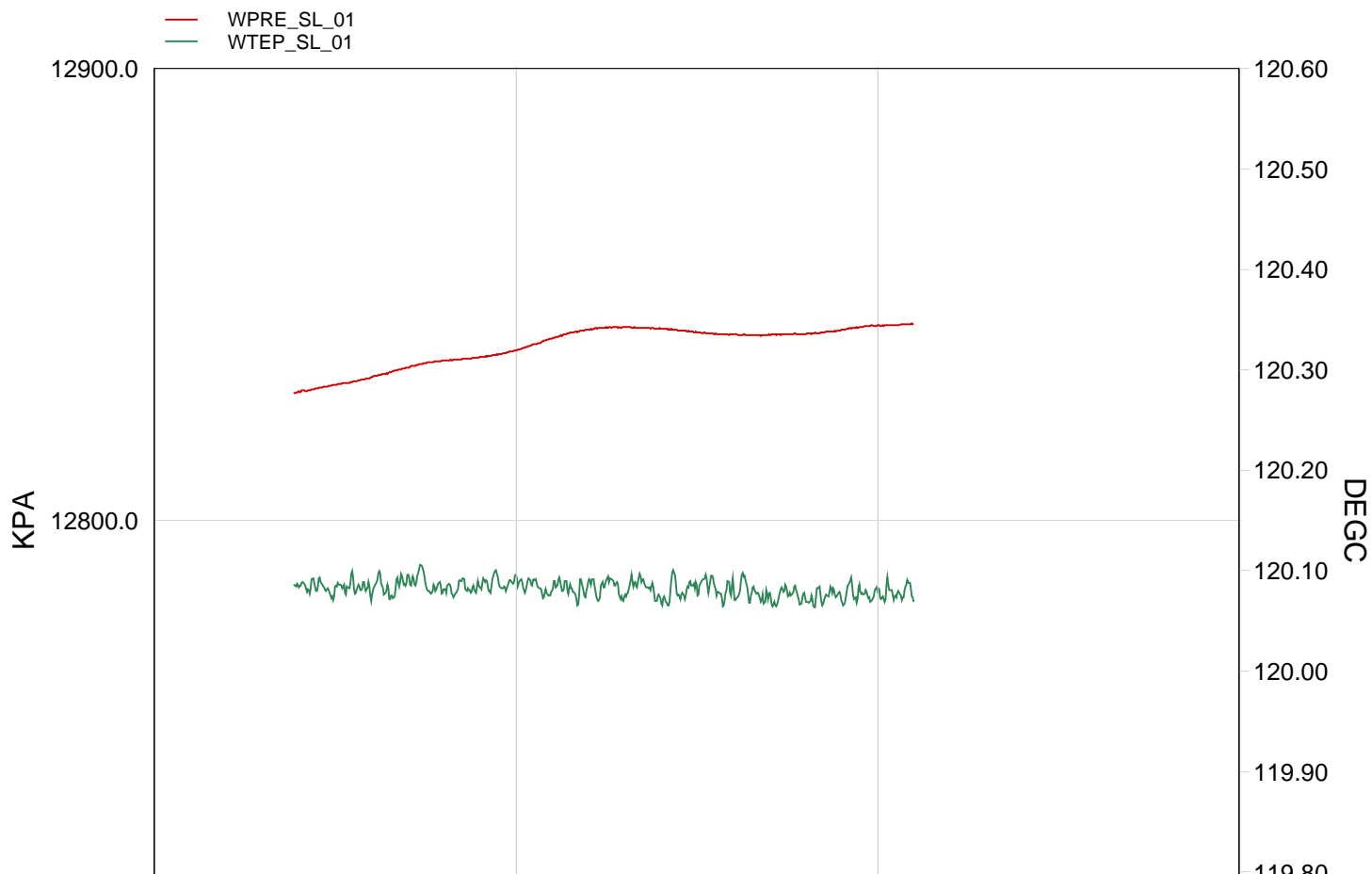


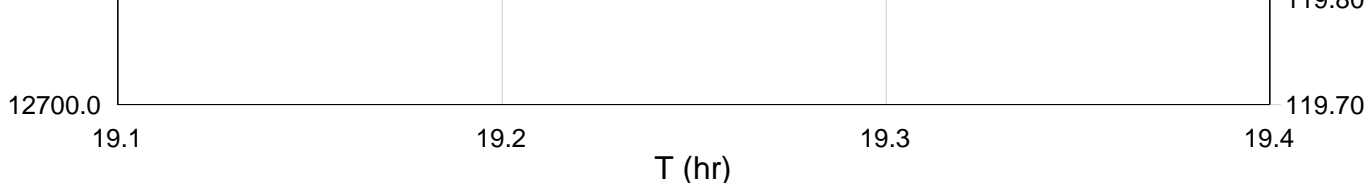
TIME	TOJ	WTEP_SL	WPRE_SL
46080.0000	19.4282	241.6081	1765.7533
46140.0000	19.4448	241.7767	1765.5734
46200.0000	19.4615	241.8288	1765.3721
46260.0000	19.4782	241.8574	1765.1499
46320.0000	19.4948	241.8441	1764.9199
46380.0000	19.5115	241.8235	1764.7269
46440.0000	19.5282	241.8342	1764.6616
46500.0000	19.5448	241.7441	1764.7855
46560.0000	19.5615	241.6713	1764.9694
46620.0000	19.5782	241.5967	1765.1861
46680.0000	19.5948	241.5284	1765.5135
46740.0000	19.6115	241.5211	1765.7613



Shut in Static Station Log 3170m MDKB – 2534.4m TVDss

MAXIS Field Log



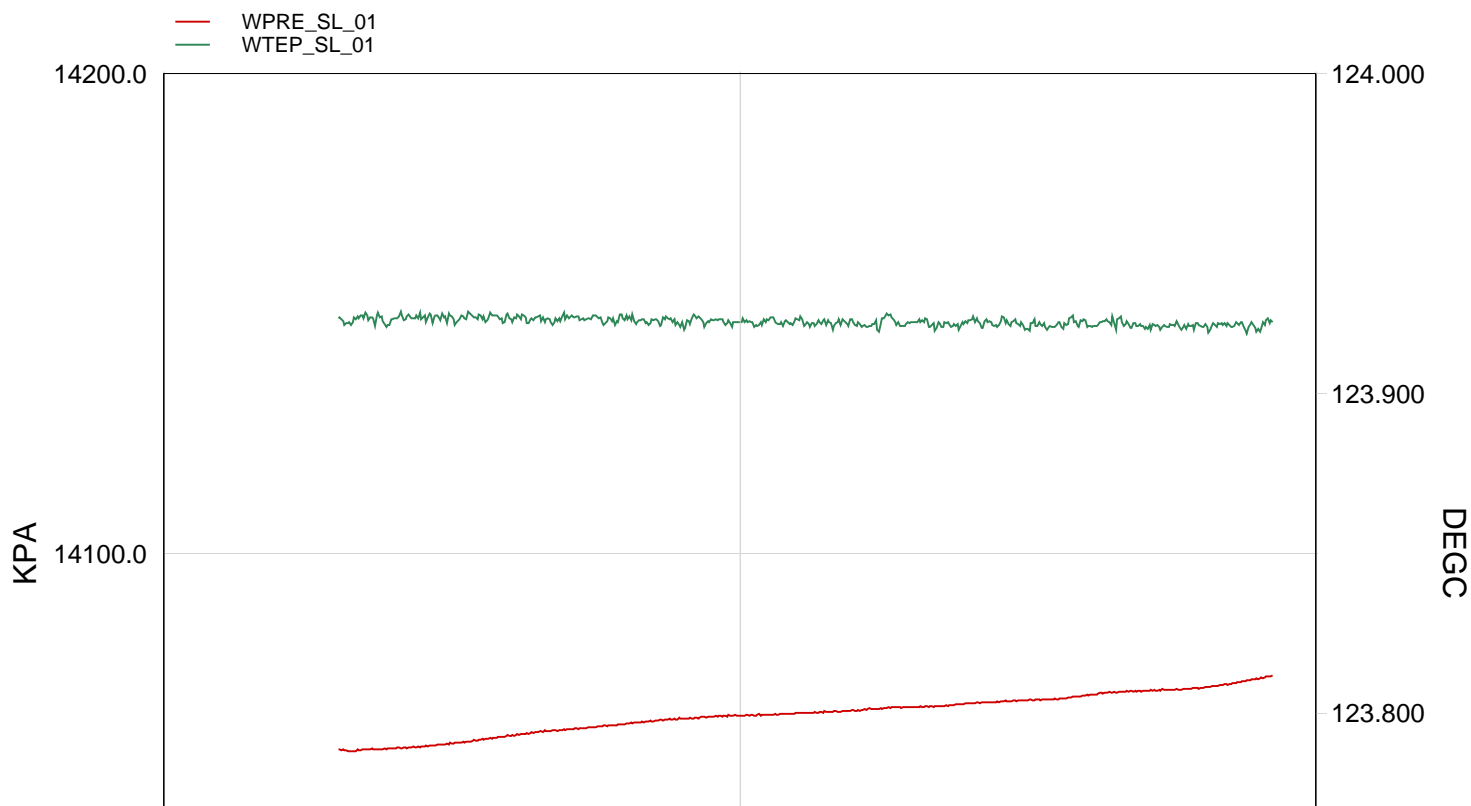


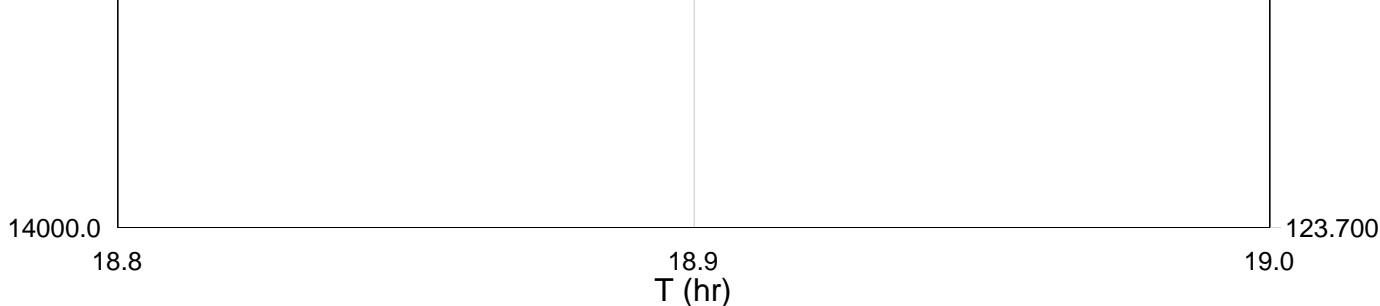
TIME	TOJ	WTEP_SL	WPRE_SL
45060.0000	19.1449	248.1433	1860.7184
45120.0000	19.1616	248.1626	1861.1299
45180.0000	19.1782	248.1496	1861.5797
45240.0000	19.1949	248.1710	1861.8027
45300.0000	19.2116	248.1598	1862.3725
45360.0000	19.2282	248.1567	1862.6748
45420.0000	19.2449	248.1361	1862.5785
45480.0000	19.2616	248.1375	1862.4385
45540.0000	19.2782	248.1293	1862.4609
45600.0000	19.2949	248.1521	1862.6810
45660.0000	19.3116	248.1343	1862.7995



Shut in Static Station Log 3340m MDKB – 2669.8m TVDss

MAXIS Field Log



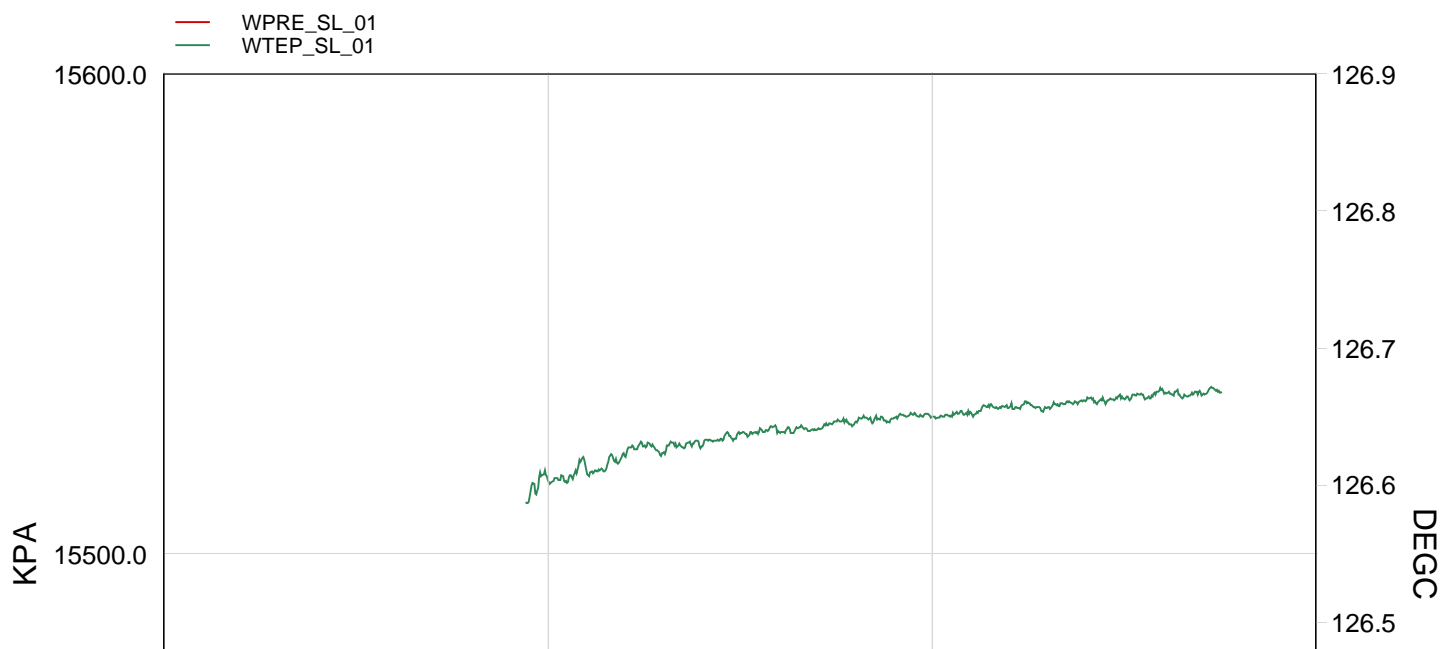


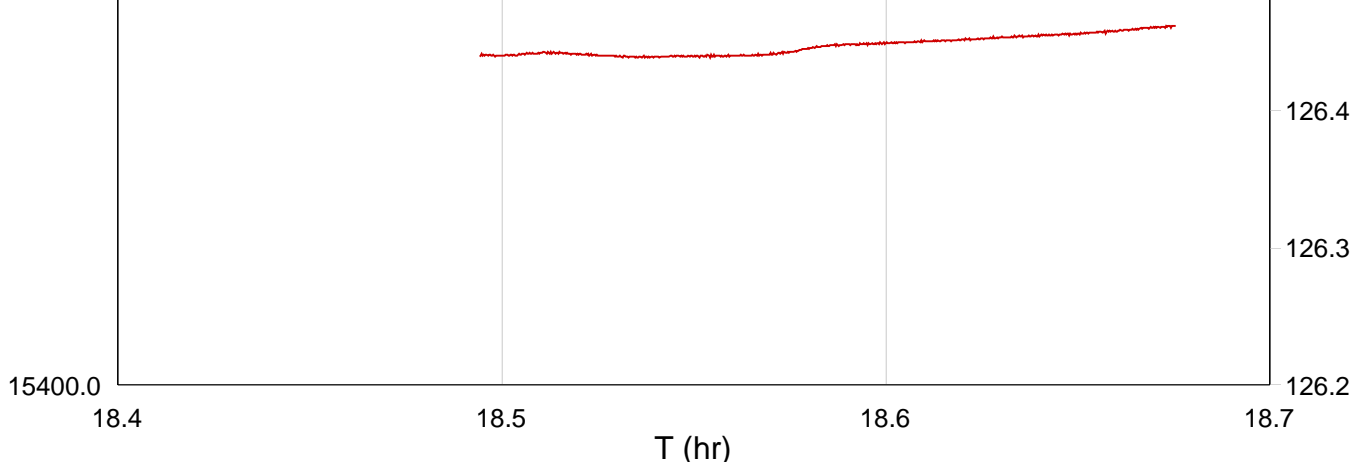
TIME	TOJ	WTEP_SL	WPRE_SL
43920.0000	18.8276	255.0301	2038.8319
43980.0000	18.8452	255.0634	2039.1980
44040.0000	18.8619	255.0622	2039.5588
44100.0000	18.8785	255.0602	2039.8390
44160.0000	18.8952	255.0613	2040.0927
44220.0000	18.9119	255.0592	2040.2234
44280.0000	18.9285	255.0582	2040.3879
44340.0000	18.9452	255.0602	2040.5653
44400.0000	18.9619	255.0582	2040.7756
44460.0000	18.9785	255.0582	2040.9485
44520.0000	18.9952	255.0581	2041.4364

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Shut in Static Station Log
3530m MDKB – 2825.3m TVDss

MAXIS Field Log





TIME	TOJ	WTEP_SL	WPRE_SL
42720.0000	18.4950	259.8584	2243.5413
42780.0000	18.5117	259.8962	2243.6058
42840.0000	18.5284	259.9263	2243.5332
42900.0000	18.5450	259.9409	2243.5303
42960.0000	18.5617	259.9494	2243.5349
43020.0000	18.5784	259.9621	2243.7212
43080.0000	18.5950	259.9728	2243.8932
43140.0000	18.6117	259.9762	2243.9717
43200.0000	18.6284	259.9808	2244.0620
43260.0000	18.6450	259.9898	2244.1479
43320.0000	18.6617	260.0023	2244.2879

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Gamma Ray Survey

MAXIS Field Log

Company: Esso Australia Ltd.

Well: W-17

Input DLIS Files

DEFAULT	PSP_008LUP	FN:7	PRODUCER	21-Aug-2006 07:15	3539.6 M	2985.2 M
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Output DLIS Files

DEFAULT	PSP_009PUP	FN:8	PRODUCER	21-Aug-2006 08:26	3547.6 M	2993.6 M
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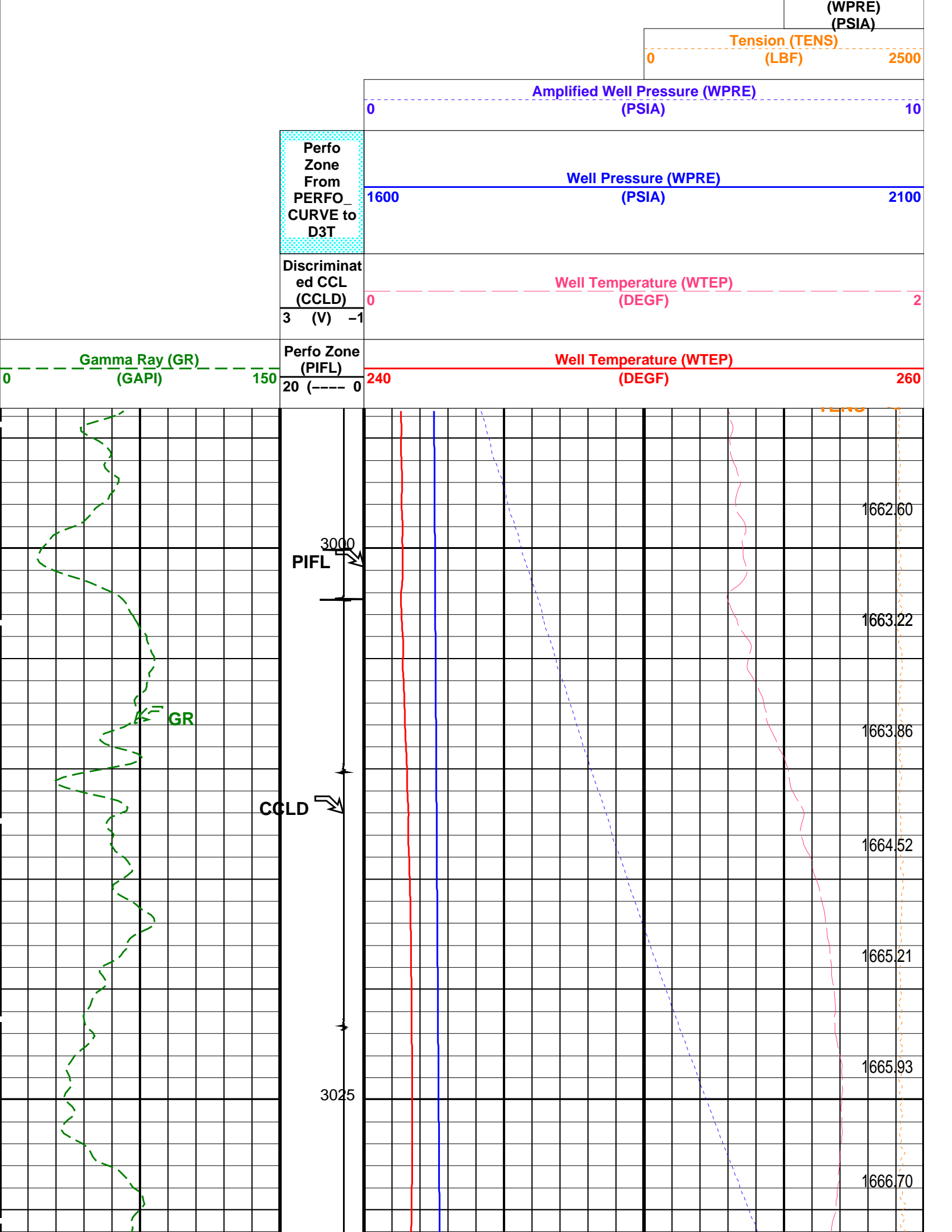
OP System Version: 14C0-302
MCM

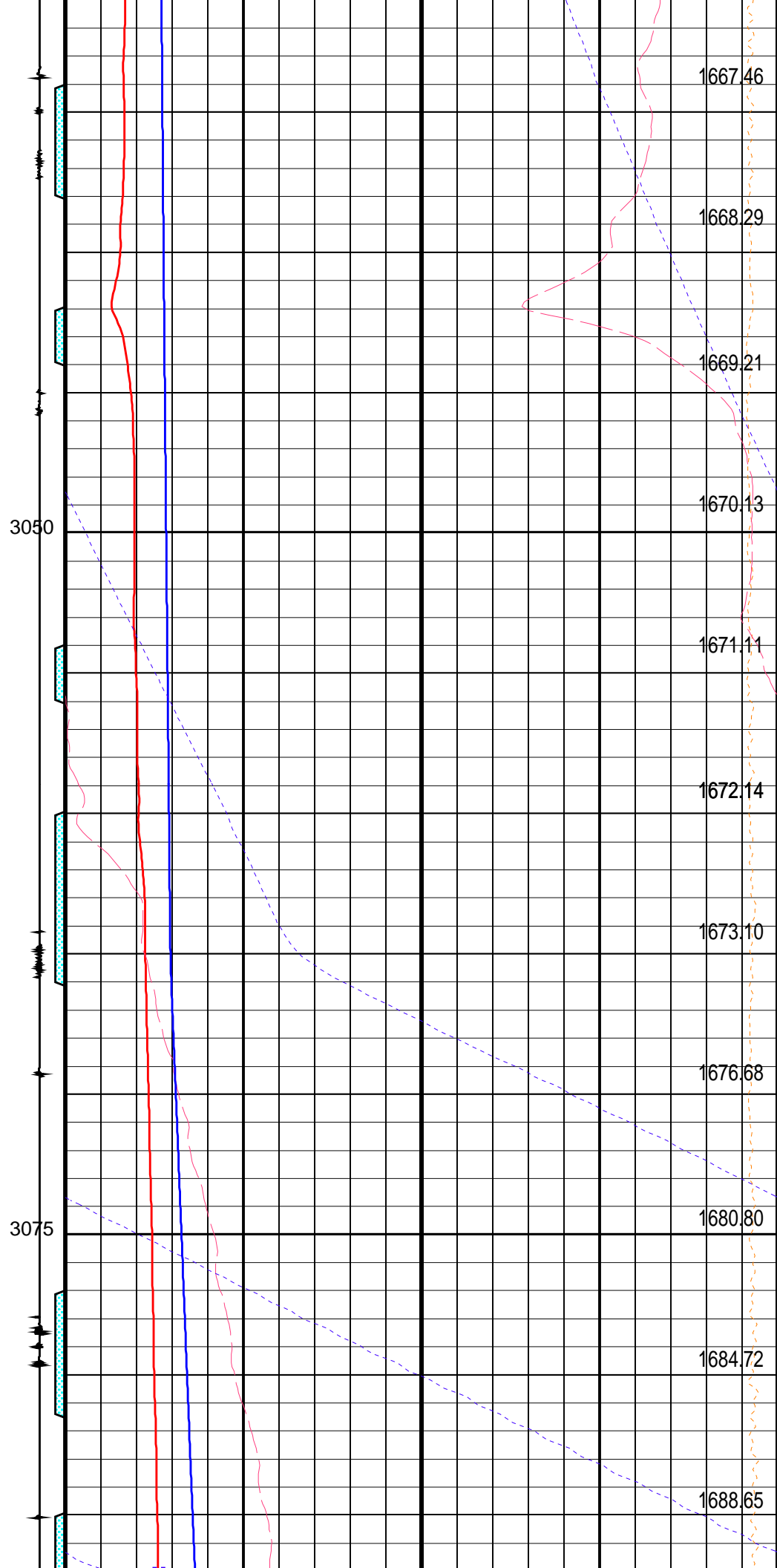
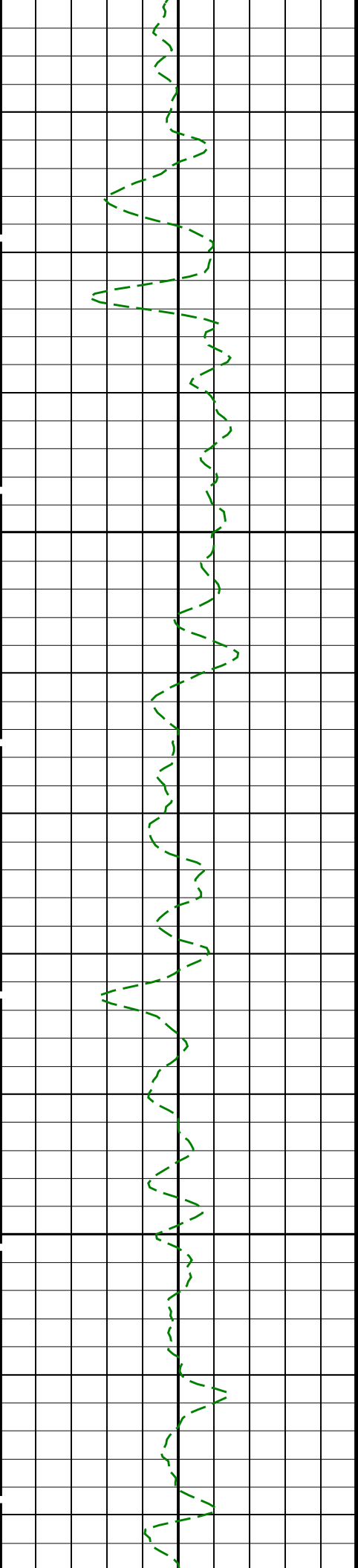
PSPT-B 14C0-302

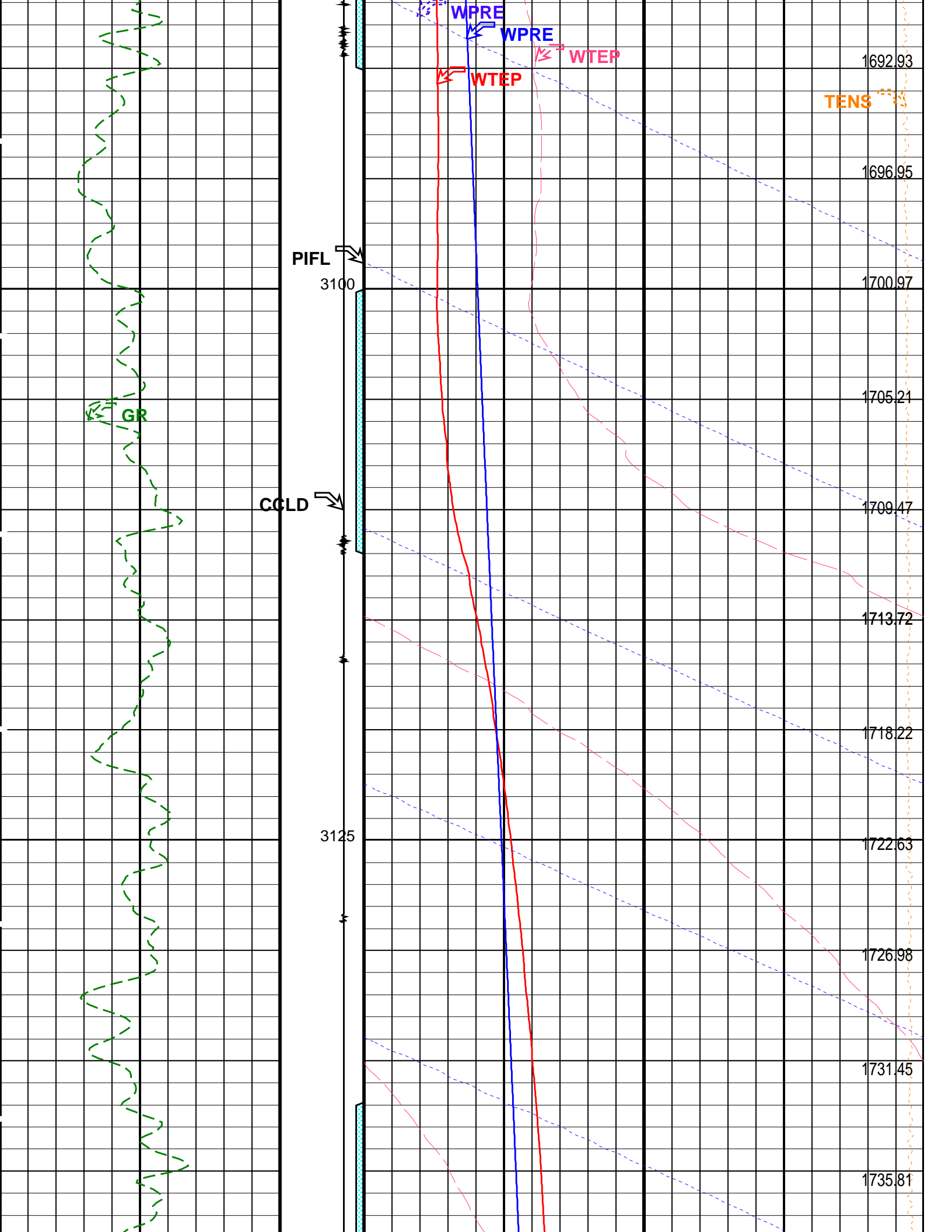
PIP SUMMARY

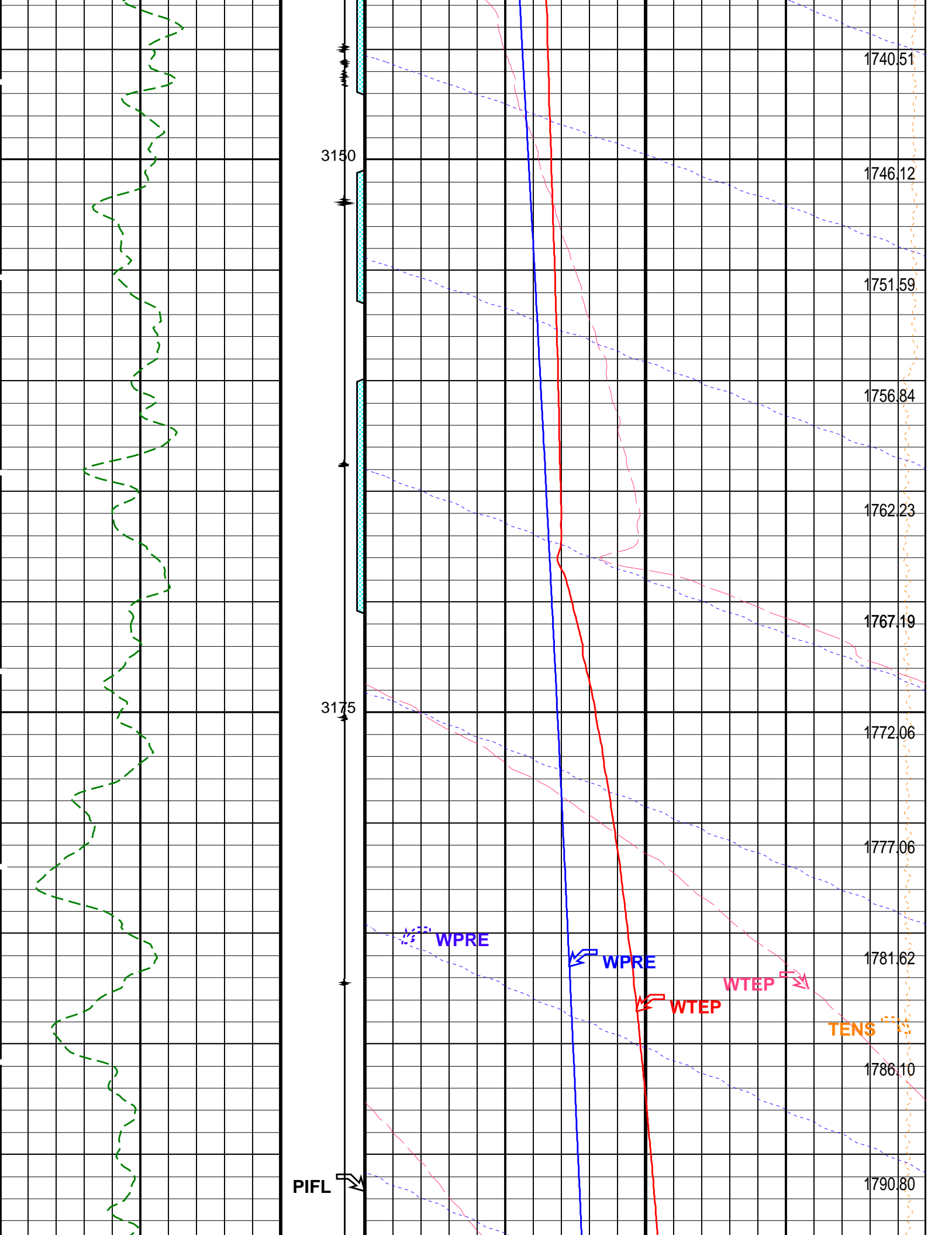
Time Mark Every 60 S

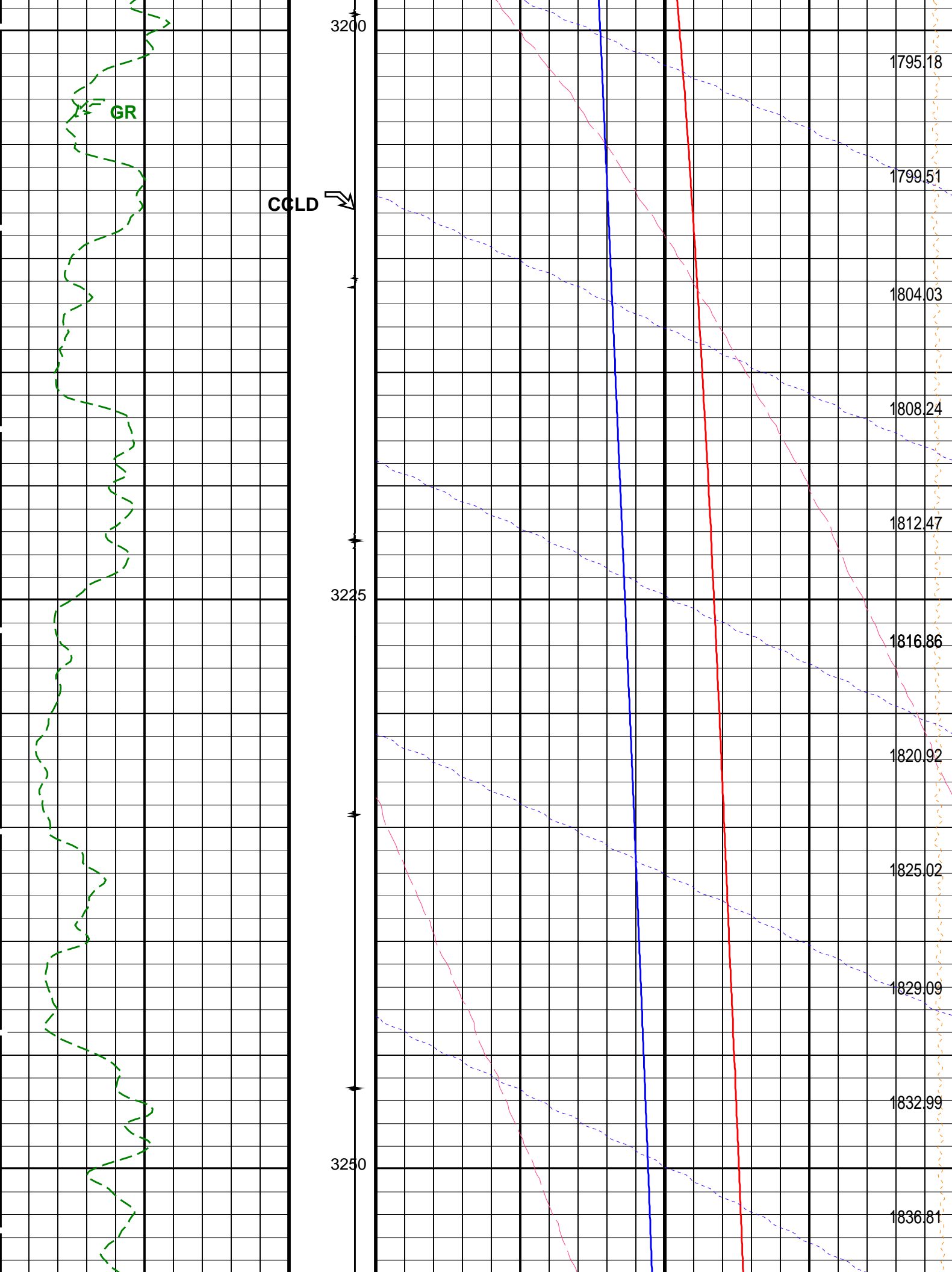
Well Pressure

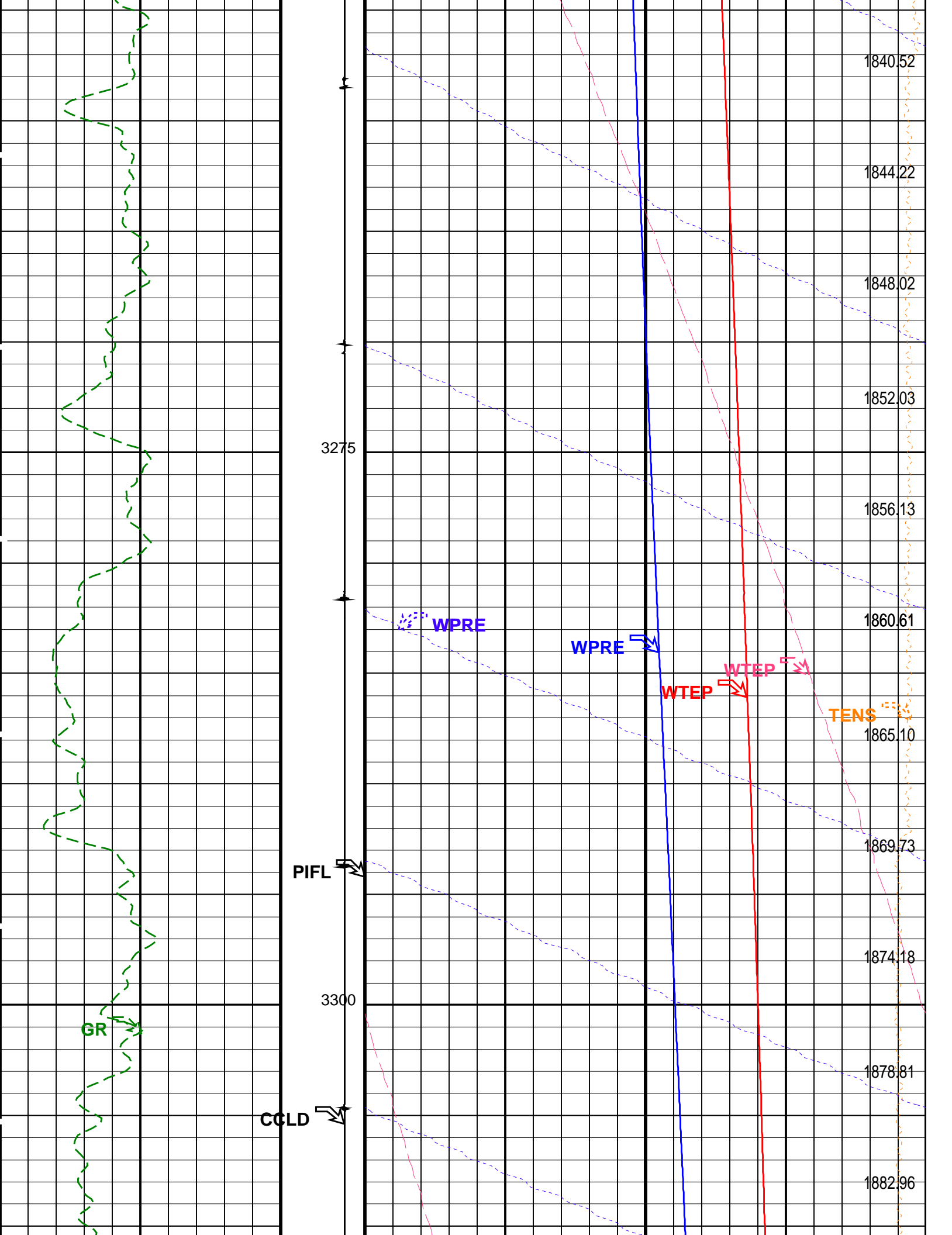


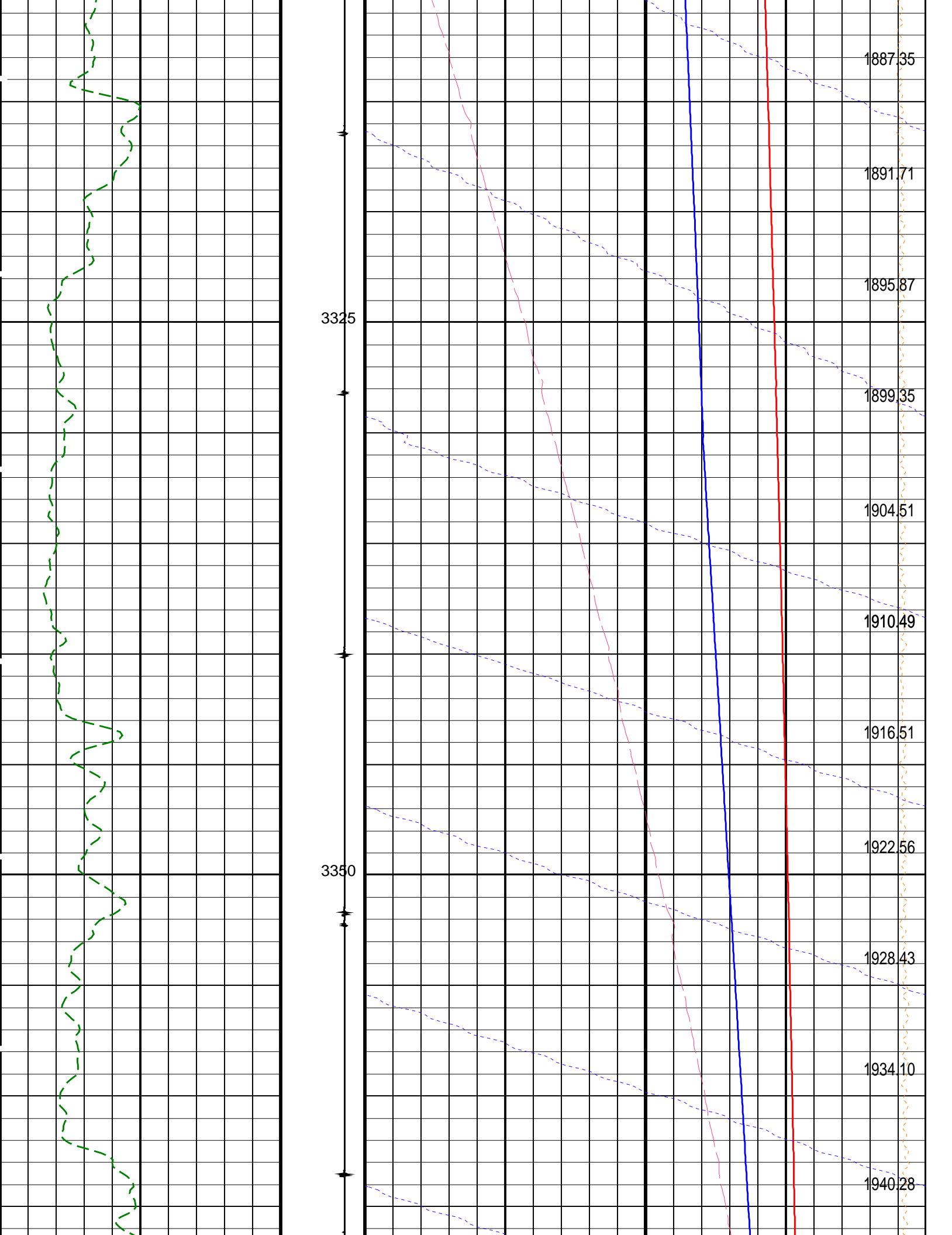


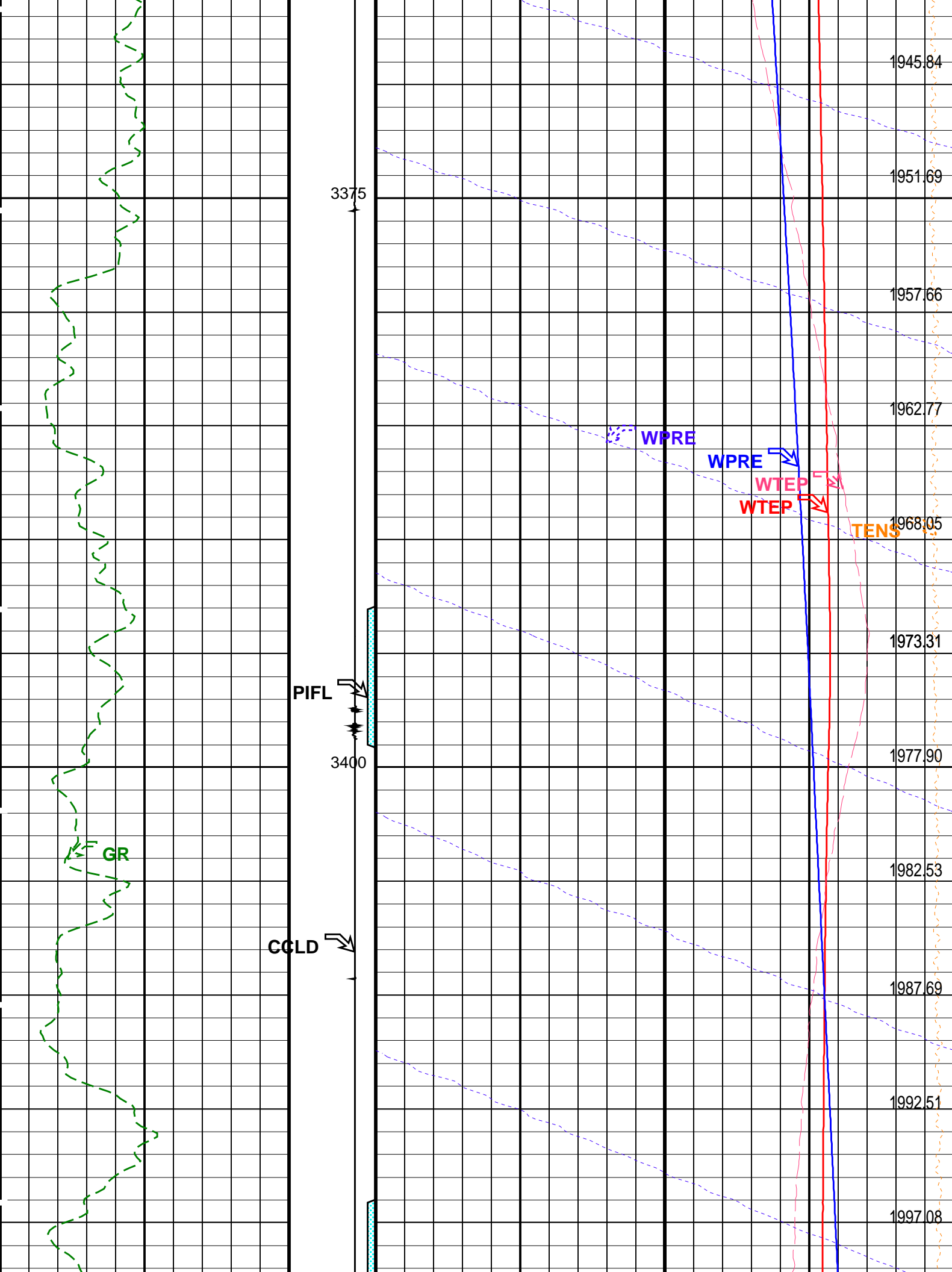


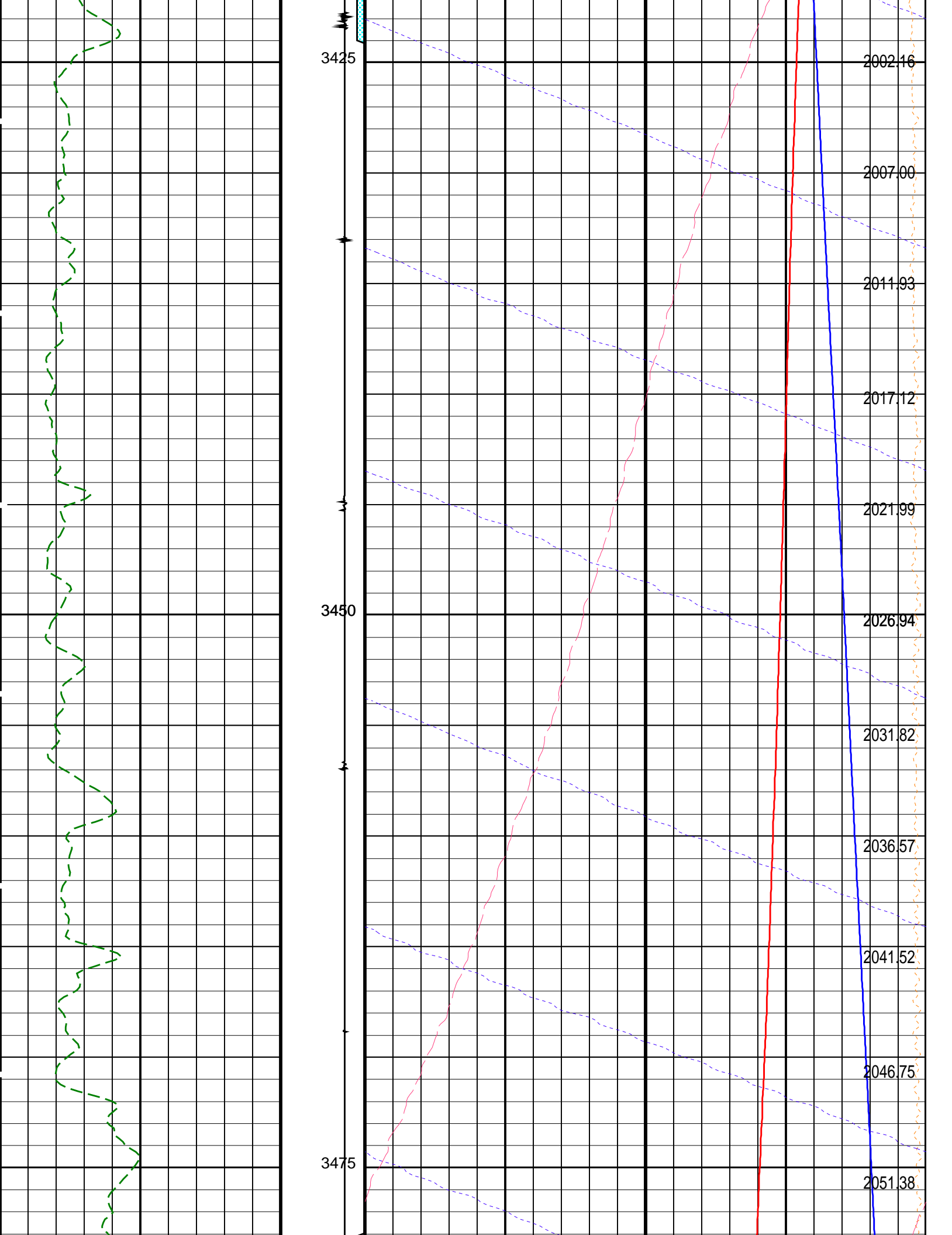


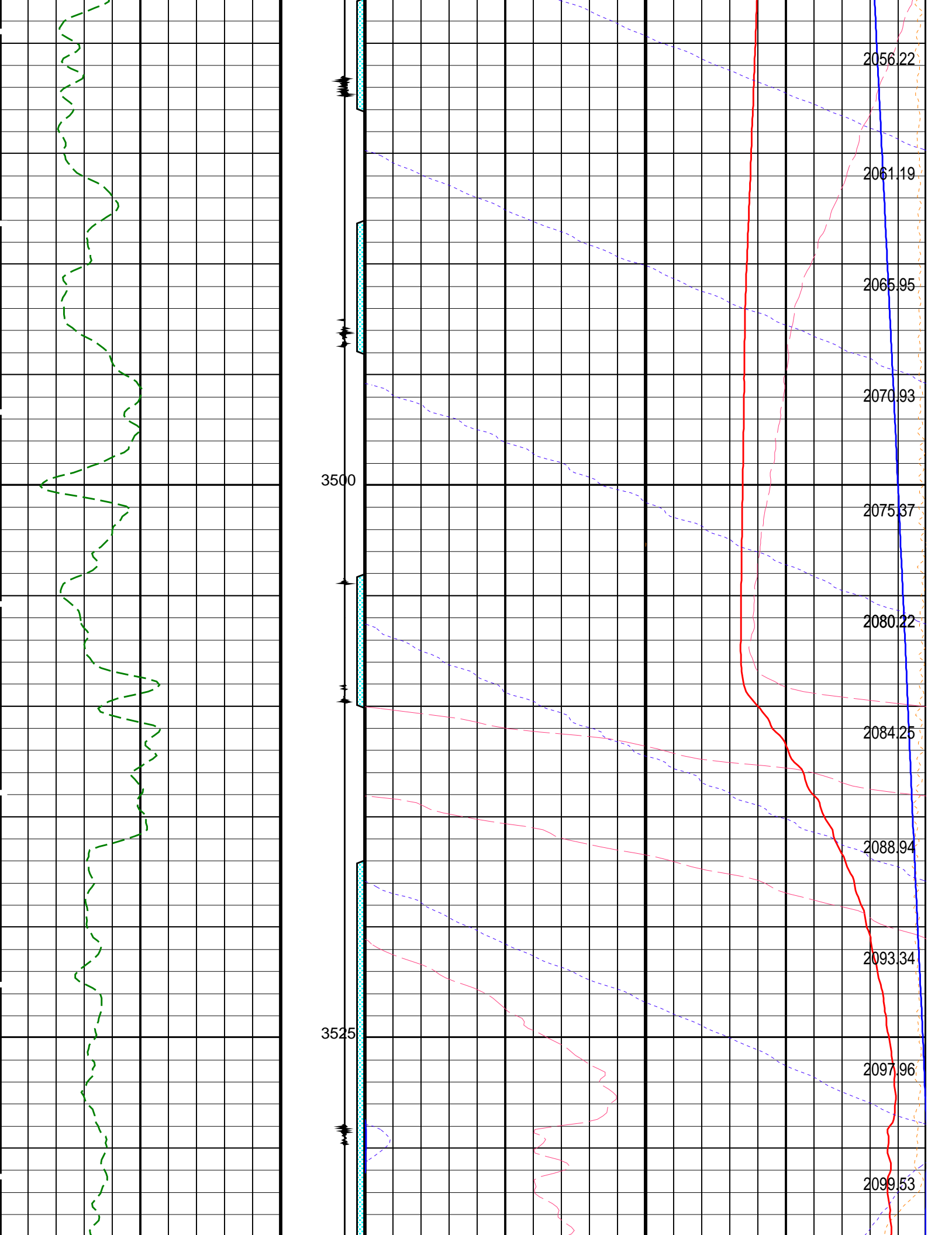


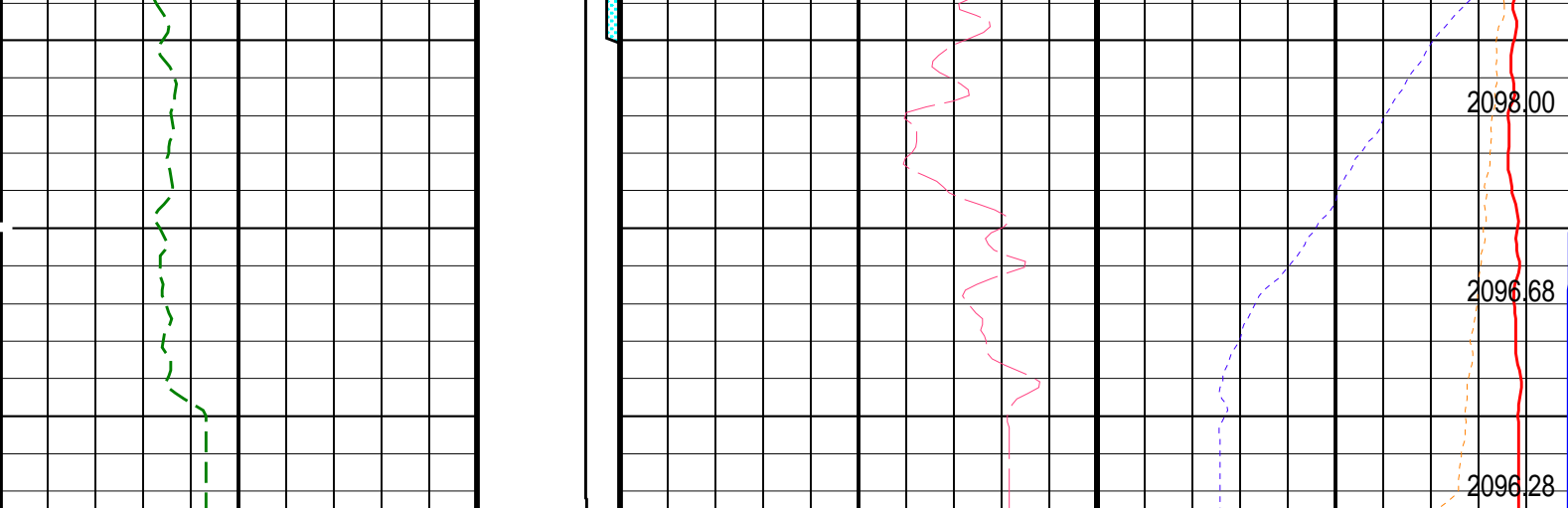












Gamma Ray (GR) (GAPI)	Perfo Zone (PIFL)	Well Temperature (WTEP)	
	20 (---- 0	(DEGF)	
		240	260
Discriminat ed CCL (CCLD)	Well Temperature (WTEP)		
	(DEGF)		
3 (V) -1	0		2
Perfo Zone From PERFO_ CURVE to D3T	Well Pressure (WPRE)		
	(PSIA)		
	1600		2100
	Amplified Well Pressure (WPRE)		
	(PSIA)		
	0		10
	Tension (TENS)		Well Pressure (WPRE)
	(LBF)		(PSIA)
	0		2500

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1_1 Vertical Scale: 1:200

Graphics File Created: 21-Aug-2006 08:26

OP System Version: 14C0-302
MCM

PSPT-B 14C0-302

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback	8.0 M
	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	PSP_008LUP	FN:7	PRODUCER	21-Aug-2006 07:15	3539.6 M	2985.2 M
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Output DLIS Files

DEFAULT	PSP_009PUP	FN:8	PRODUCER	21-Aug-2006 08:26
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Company: **Esso Australia Ltd.**

Schlumberger

Well: **W-17**
Field: **West Tuna**
Rig: **Prod4 / Crane**
Country: **Australia**

Gamma Ray
Pressure / Temperature
Survey