



Company	JAMSTEC
Well Name	C0020A
Field Name	C0020
Field Location	Shimokita-oki
UWID	
Engineer's Name	Liu Jie, Harlow, Kang Youwei
Date	16-Sep-2012
Report Date	09-16-2012
Prepared By	Liu Jie
Job Number	Suite 2
Run Number	4

Modular Formation Dynamics Tester



Interpretation Report

Innovations in Formation Testing

DCS

InSitu Pro* 3.0.0

* Mark of Schlumberger

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1 Interpretation Summary

1.1 Job Summary

Table 1 Job Summary Table

File ID	Well Name	Run No.	Probe MD(m)	Probe TVD(m)	Packer/Probe Type	Pretest	Sampling	Fluid Profiling	IPTT	Comments
OFA_MDT_070LT P	C0020A	4	2482.99	2482.99	XLarge-Diameter probe	*				
OFA_MDT_072LT P	C0020A	4	2487.44	2487.44	XLarge-Diameter probe	*				
OFA_MDT_073LT P	C0020A	4	2586.49	2586.49	XLarge-Diameter probe	*				
OFA_MDT_077LT P	C0020A	4	2696.99	2696.99	XLarge-Diameter probe	*				
OFA_MDT_078LT P	C0020A	4	2724.47	2724.47	XLarge-Diameter probe	*				
OFA_MDT_079LT P	C0020A	4	2789.02	2789.02	XLarge-Diameter probe	*				
OFA_MDT_080LT P	C0020A	4	2906.49	2906.49	XLarge-Diameter probe	*				
OFA_MDT_082LT P	C0020A	4	3016.48	3016.48	XLarge-Diameter probe	*				
OFA_MDT_083LT P	C0020A	4	3035.02	3035.02	XLarge-Diameter probe	*				
OFA_MDT_084LT P	C0020A	4	3052.52	3052.52	XLarge-Diameter probe	*				
OFA_MDT_085LT P	C0020A	4	3056.48	3056.48	XLarge-Diameter probe	*				
OFA_MDT_086LT P	C0020A	4	3069.01	3069.01	XLarge-Diameter probe	*				
OFA_MDT_087LT P	C0020A	4	3069.25	3069.25	XLarge-Diameter probe	*				
OFA_MDT_088LT P	C0020A	4	3070.41	3070.41	XLarge-Diameter probe	*				
OFA_MDT_089LT P	C0020A	4	3084	3084	XLarge-Diameter probe	*				
OFA_MDT_090LT P	C0020A	4	3093.99	3093.99	XLarge-Diameter probe	*				
OFA_MDT_092LT P	C0020A	4	3109.9	3109.9	XLarge-Diameter probe	*				
OFA_MDT_094LT P	C0020A	4	3113.03	3113.03	XLarge-Diameter probe	*				
OFA_MDT_095LT	C0020A	4	3136.01	3136.01	XLarge-Diameter	*				

File ID	Well Name	Run No.	Probe MD(m)	Probe TVD(m)	Packer/Probe Type	Pretest	Sampling	Fluid Profiling	IPTT	Comments
P					probe					
OFA_MDT_096LT P	C0020A	4	3152.03	3152.03	XLarge-Diameter probe	*				
OFA_MDT_097LT P	C0020A	4	3168.52	3168.52	XLarge-Diameter probe	*				
OFA_MDT_098LT P	C0020A	4	3182.5	3182.5	XLarge-Diameter probe	*				
OFA_MDT_099LT P	C0020A	4	3186.47	3186.47	XLarge-Diameter probe	*				
OFA_MDT_102LT P	C0020A	4	3200.45	3200.45	XLarge-Diameter probe	*				
OFA_MDT_103LT P	C0020A	4	3227.01	3227.01	XLarge-Diameter probe	*				
OFA_MDT_104LT P	C0020A	4	3233.01	3233.01	XLarge-Diameter probe	*				
OFA_MDT_105LT P	C0020A	4	3235.02	3235.02	XLarge-Diameter probe	*				
OFA_MDT_112LT P	C0020A	4	3473.45	3473.45	XLarge-Diameter probe	*				
OFA_MDT_113LT P	C0020A	4	3473.79	3473.79	XLarge-Diameter probe	*				
OFA_MDT_114LT P	C0020A	4	3510.46	3510.46	XLarge-Diameter probe	*				
OFA_MDT_115LT P	C0020A	4	3594.98	3594.98	XLarge-Diameter probe	*				
OFA_MDT_116LT P	C0020A	4	3595.3	3595.3	XLarge-Diameter probe	*				
OFA_MDT_117LT P	C0020A	4	3607.47	3607.47	XLarge-Diameter probe	*				
OFA_MDT_118LT P	C0020A	4	3606.98	3606.98	XLarge-Diameter probe	*				
OFA_MDT_119LT P	C0020A	4	3629.53	3629.53	XLarge-Diameter probe	*				

1.2 Pretest Summary Table

Table 2 C0020A

C0020A		Total
Pretest Type		
Volumetric Pretest		12
Volumetric Drawdown Pretest		23
Pretest Status		
Valid Test		31
Tight Test		2
Lost Seal		2
Gauge		
PQQP1		35
Runs	Color	
4 (12-Sep-2012)		35
Formation Pressure Quality	Color	
NA		4
High		27
Medium		2
Low		2
Drawdown Mobility Quality	Color	
NA		4
High		28
Medium		1
Low		2

2 Well and Job Data

2.1 Well Header

Company: JAMSTEC Well: C0020A County: Aomori	State: C0020 Field:			MDT Pretest & Sampling CGA-PO-PQ(QS)-PQ(XLD)-PO-IFA-MS-PC-GR
		Station Log		
		Company: JAMSTEC Well: C0020A Field: C0020 Pref: Aomori		
		Latitude: 41*10.5983'N Longitude 142*12.0328'E :		UWID: Rig Name: Chikyu Rig Type: Drilling Ship
		FL: Shimokita-oki FL1: X=600698.8M FL2: Y=4559060.5M		
		Acquisition Date: 16-Sep-2012	Other Services: PEX-HRLA-HNGS FMI-DSI-EMS-PPC CMR-PPC ZVSP	
		Print Interval:		
		Index Types:		
		Index Scales: Station Log		
		Depth Source:		
Depth Sensor:				
Conveyance: Wireline				
Print Type:				

2.1.1 Well Header Table

Borehole Size/Casing/Tubing Record						
Bit						
Bit Size (in)	10.625					
Bottom Driller (m)	3674.5					
Bottom Logger (m)	3672					
Casing						
Size (in)	13.375					
Weight (kg/m)	68					
Inner Diameter (in)	12.5					
Grade						
Top Driller (m)	2461.5					
Top Logger (m)	2461					
Bottom Driller (m)	3674.6					
Bottom Logger (m)	3672					
Comments						
Operational Run Summary						
Parameter (Unit)	4					
Date Log Started						
Time Log Started						
Date Log Finished	13 Sep 2012					
Time Log Finished	13/Sep/2012 12:00:00 AM					
Top Log Interval (m)	2488					
Bottom Log Interval (m)	3629.53					
Total Depth (m)	3672					
Max Hole Deviation (deg)	1.22					
Azimuth of Max Deviation (deg)						
Bit Size (in)	10.625					
Logging Unit Number	4803					
Logging Unit Location						
Recorded By	Liu Jie/Montague/ Kang Youwei					
Witnessed By	Mr.Yoshinori Sanada/Mr.Ky aw Moe					
Service Order Number						
Comments						
Borehole Fluids						
Parameter (Unit)	4					
Type Fluid	KNPPmud					
Max Recorded Temperature (degC)	47.78					
Source of Sample	Mud Pit					
Salinity (ppm)	60300					
Density (lbm/gal)	9.263					
Viscosity (s)	102					
Fluid Loss (cm3)	3.4					
pH	10.5					
Date/Time Circulation Stopped	12-Sep-2012 8:00					
Date Logger on Bottom	13 Sep 2012					
Time Logger on Bottom	1/1/1900 12:00:00 AM					

Source Rmf	Pressed										
Source Rmc	Pressed										
Rm@Meas Temp (ohm.m@degC)	0.08@24.6										
Rmf@Meas Temp (ohm.m@degC)	0.07@23.3										
Rmc@Meas Temp (ohm.m@degC)	0.09@25.6										
Rm @ BHT											
Rmf @ BHT											
Rmc @ BHT											
Comments											
Depth Summary											
Depth Control Parameters	subsequent										
Rig Type	Offshore										
Depth Measured Device	IDW										
Type	IDW-JA										
Serial Number	6790										
Wheel Correction 1	-3										
Wheel Correction 2	-2										
Tension Device	CMTD										
Type	CMTD-BA										
Serial Number	2986										
Logging Cable	7-46 ZV XXS										
Type	7-46 ZV XXS										
Serial Number	F711011										
Logging Cable Length (m)	8050										
Comments											
Remarks											
Run Name	4										
Remark Line 1	-Logging objective: formation evaluation										
Remark Line 2	-All wellsite information provided by client										
Remark Line 3	-Toolstring combined as per tool sketch										
Remark Line 4	-Large Diameter Probe is installed on the lower MRPQ										
Remark Line 5	-Quicksilver Probe is installed on the upper MRPQ										
Remark Line 6	-IFA is used to monitor the sampling fluid										
Remark Line 7	-CGA is used to monitor the guard line fluid										
Remark Line 8	-Six SPMCs are mounted in the MRMS										
Remark Line 9											
Remark Line 10											
Remark Line 11											
Remark Line 12											
Remark Line 13											
Remark Line 14											
Remark Line 15											
Remark Line 16											
Remark Line 17											
Comments											

2.2 Tool String

Run: 4
Well Name: C0020A

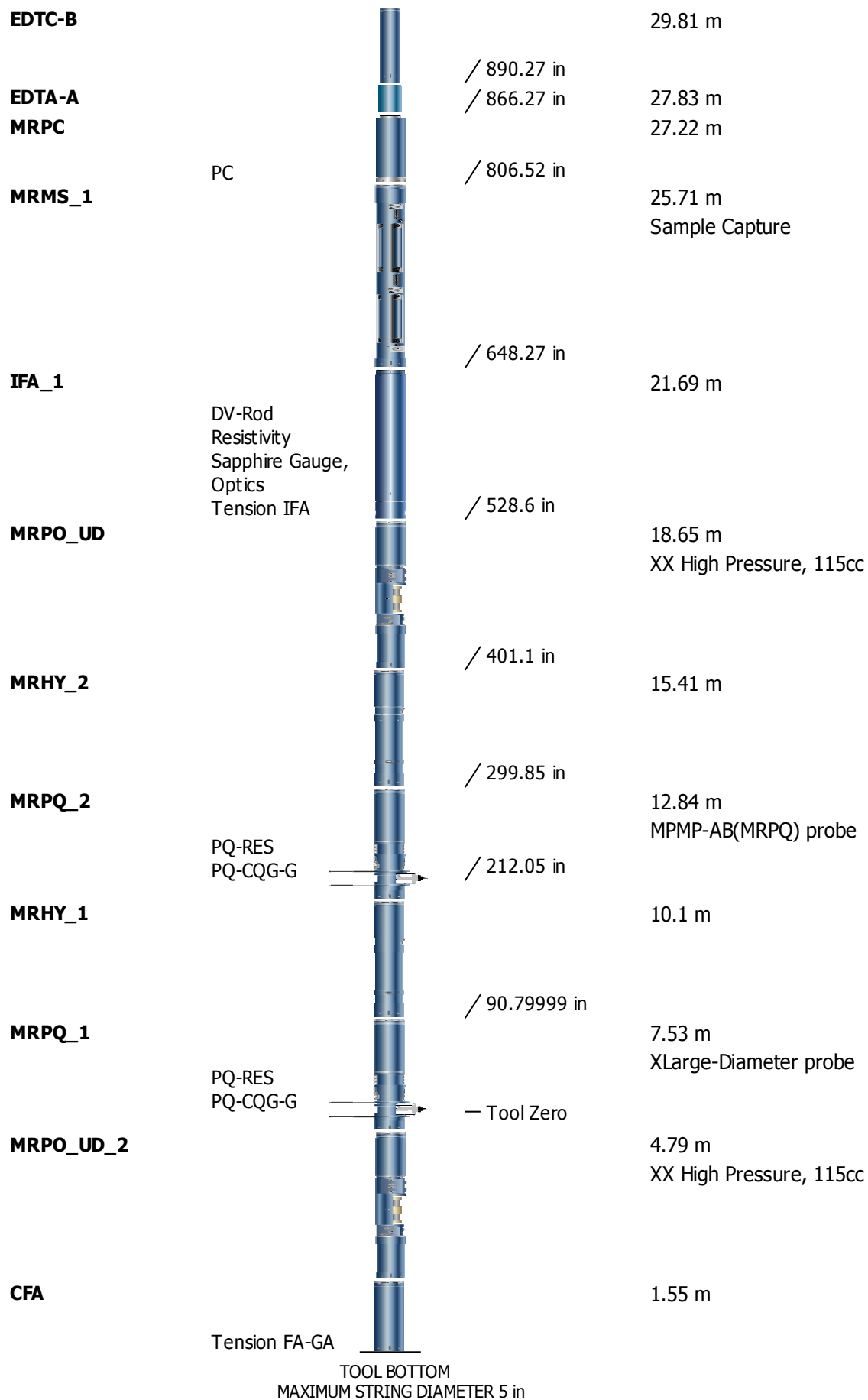


Figure 1 Tool String (C0020A - 4)

3 Test Point Table

Table 3 Pressure Related Results

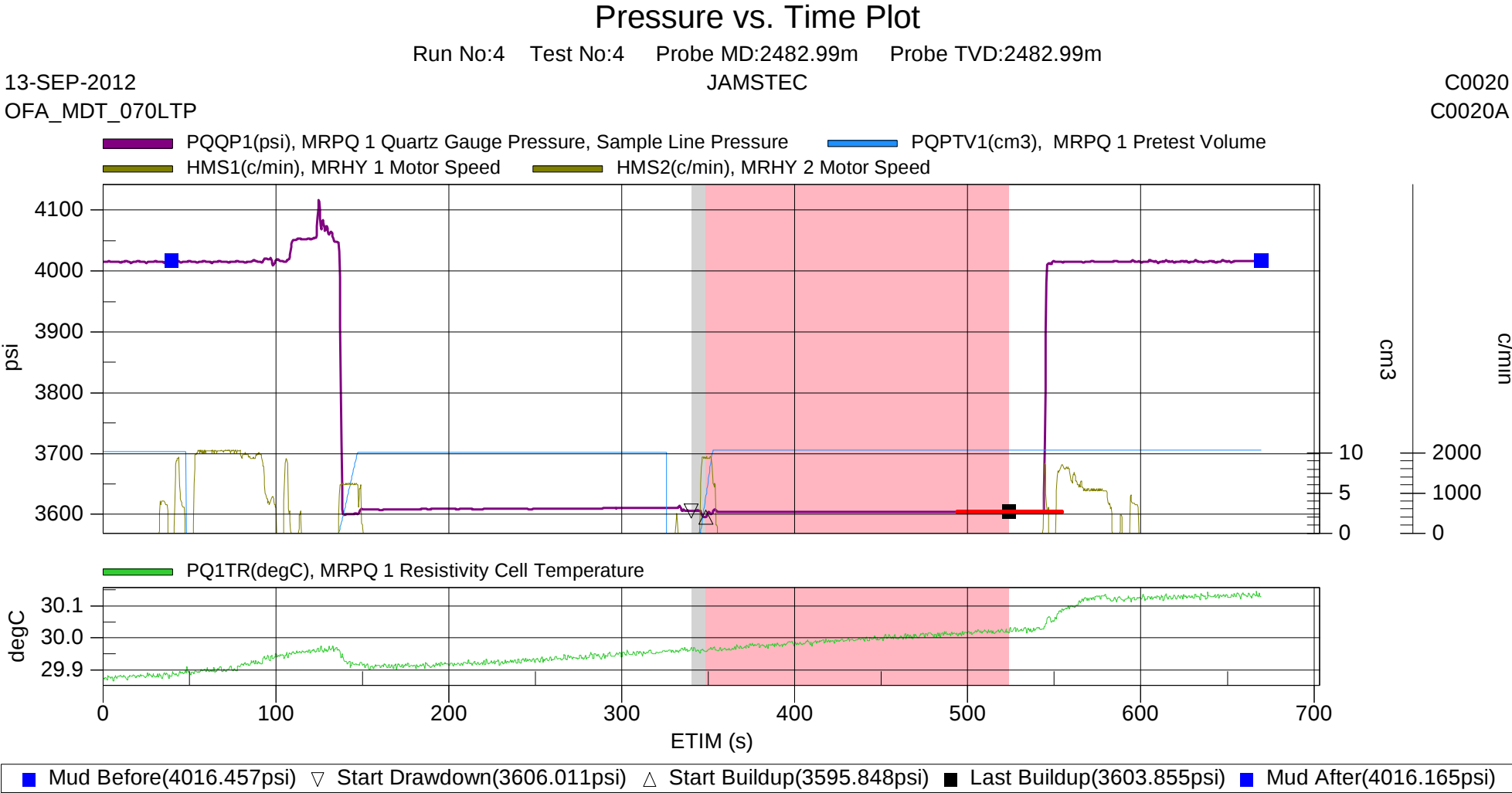
File No.	Test No.	Probe MD	Probe TVD	DD Mobility	Mud Pres. Before	Mud Pres. After	Last BU Pres.	Formation Pres.	Temp. After	Gauge Type	Packer/Probe Type	Pretest Type
		m	m	mD/cP	psi	psi	psi	psi	degC			
70	4	2482.99	2482.99	250.62	4016.457	4016.165	3603.855	3603.855	30.13	PQQP1	XLarge-Diameter	Volumetric
72	6	2487.44	2487.44	721.48	4023.984	4029.677	3610.333	3610.333	30.51	PQQP1	XLarge-Diameter	Volumetric
73	8	2586.49	2586.49	137.55	4181.917	4191.255	3754.076	3754.076	31.45	PQQP1	XLarge-Diameter	Volumetric
77	10	2696.99	2696.99	14.05	4358.302	4367.814	3914.701	3914.701	34.57	PQQP1	XLarge-Diameter	Volumetric
78	12	2724.47	2724.47	170.90	4403.063	4403.925	3954.521	3954.521	34.62	PQQP1	XLarge-Diameter	Volumetric
79	14	2789.02	2789.02	60.12	4506.428	4506.534	4050.251	4050.251	35.11	PQQP1	XLarge-Diameter	Volumetric
80	16	2906.49	2906.49	0.48	4693.655	4699.630	4268.363	4268.363	36.67	PQQP1	XLarge-Diameter	Volumetric
82	18	3016.48	3016.48	465.36	4870.899	4869.290	4383.892	4383.892	39.83	PQQP1	XLarge-Diameter	Volumetric
83	20	3035.02	3035.02	19.15	4899.085	4901.027	4412.407	4412.407	40.01	PQQP1	XLarge-Diameter	Volumetric
84	22	3052.52	3052.52	210.62	4927.807	4928.056	4438.605	4438.605	40.20	PQQP1	XLarge-Diameter	Volumetric
85	24	3056.48	3056.48	4.18	4934.460	4934.191	4444.496	4444.496	40.46	PQQP1	XLarge-Diameter	Volumetric
86	25	3069.01	3069.01	Dry	4954.635	4955.019	2208.775	2208.775	40.61	PQQP1	XLarge-Diameter	Volumetric
87	27	3069.25	3069.25	2.18	4955.568	4954.304	4470.197	4470.197	40.82	PQQP1	XLarge-Diameter	Volumetric Drawdown
88	29	3070.42	3070.42	0.52	4957.536	4957.221	4475.531	4475.531	41.16	PQQP1	XLarge-Diameter	Volumetric Drawdown
89	31	3084.00	3084.00	57.74	4978.095	4978.465	4485.509	4485.509	41.28	PQQP1	XLarge-Diameter	Volumetric Drawdown
90	33	3093.98	3093.98	36.52	4994.652	4995.464	4501.049	4501.049	41.40	PQQP1	XLarge-Diameter	Volumetric Drawdown
92	35	3109.90	3109.90	29.20	5019.706	5018.323	4524.188	4524.188	41.96	PQQP1	XLarge-Diameter	Volumetric Drawdown
94	37	3113.03	3113.03	148.74	5023.587	5023.975	4528.721	4528.721	41.97	PQQP1	XLarge-Diameter	Volumetric Drawdown
95	39	3136.01	3136.01	170.97	5060.446	5060.615	4563.299	4563.299	42.23	PQQP1	XLarge-Diameter	Volumetric

File No.	Test No.	Probe MD	Probe TVD	DD Mobility	Mud Pres. Before	Mud Pres. After	Last BU Pres.	Formation Pres.	Temp. After	Gauge Type	Packer/Probe Type	Pretest Type
		1										Drawdown
96	41	3152.03	3152.03	43.09	5086.354	5087.985	4587.108	4587.108	42.86	PQQP1	XLarge-Diameter	Volumetric Drawdown
97	44	3168.52	3168.52	6.44	5113.544	5112.966	4610.642	4610.642	43.14	PQQP1	XLarge-Diameter	Volumetric Drawdown
98	46	3182.50	3182.50	21.90	5135.177	5135.170	4632.077	4632.077	43.53	PQQP1	XLarge-Diameter	Volumetric Drawdown
99	48	3186.47	3186.47	76.19	5141.229	5141.102	4637.368	4637.368	43.80	PQQP1	XLarge-Diameter	Volumetric Drawdown
102	50	3200.46	3200.46	57.07	5163.409	5163.584	4657.628	4657.628	44.60	PQQP1	XLarge-Diameter	Volumetric Drawdown
103	53	3227.01	3227.01	26.08	5205.524	5206.062	4697.614	4697.614	44.89	PQQP1	XLarge-Diameter	Volumetric Drawdown
104	56	3233.01	3233.01	35.46	5215.740	5214.756	4706.251	4706.251	45.12	PQQP1	XLarge-Diameter	Volumetric Drawdown
105	58	3235.02	3235.02	Lost seal	5217.291	5218.460	5218.241	N/A	45.22	PQQP1	XLarge-Diameter	Volumetric Drawdown
112	60	3473.45	3473.45	Dry	5595.695	5596.845	2303.579	2303.579	50.77	PQQP1	XLarge-Diameter	Volumetric Drawdown
113	61	3473.79	3473.79	0.25	5598.641	5597.256	2810.106	2810.106	50.42	PQQP1	XLarge-Diameter	Volumetric Drawdown
114	63	3510.46	3510.46	0.34	5657.98	5654.866	5271.619	5271.619	50.41	PQQP1	XLarge-Diameter	Volumetric Drawdown
115	64	3594.98	3594.98	0.08	5791.566	5791.357	3610.038	3610.038	51.18	PQQP1	XLarge-Diameter	Volumetric Drawdown
116	66	3595.3	3595.3	16.78	5791.056	5790.777	5407.069	5407.069	52.12	PQQP1	XLarge-Diameter	Volumetric Drawdown
117	68	3607.47	3607.47	14.03	5812.314	5810.264	5425.097	5425.097	52.63	PQQP1	XLarge-Diameter	Volumetric Drawdown
118	70	3606.99	3606.99	Lost seal	5810.85	5809.413	5809.942	N/A	52.82	PQQP1	XLarge-Diameter	Volumetric Drawdown
119	72	3629.53	3629.53	33.63	5845.972	5846.918	5456.456	5456.456	53.41	PQQP1	XLarge-Diameter	Volumetric Drawdown

4 Stations

4.1 OFA_MDT_070LTP

4.1.1 Pressure vs. Time Plot



Tool Type:	MDT	Pretest Type:	Volumetric Pretest	Pretest Status:	Valid Test
Packer/Probe Type:	XLarge-Diameter probe	Primary Gauge:	PQQP1	Formation Pressure:	3603.855 (psi)
Last Read Buildup Pressure :	3603.855 (psi)	Drawdown Mobility:	250.62 (mD/cP)	Mud Pressure Before:	4016.457 (psi)
Mud Pressure After:	4016.165 (psi)	Temperature Before:	29.88 (degC)	Temperature After:	30.13 (degC)
Pretest Rate:	0.56 (cm3/s)	Pretest Volume:	4.72 (cm3)	Comments:	

4.2 OFA_MDT_072LTP

4.2.1 Pressure vs. Time Plot

Pressure vs. Time Plot

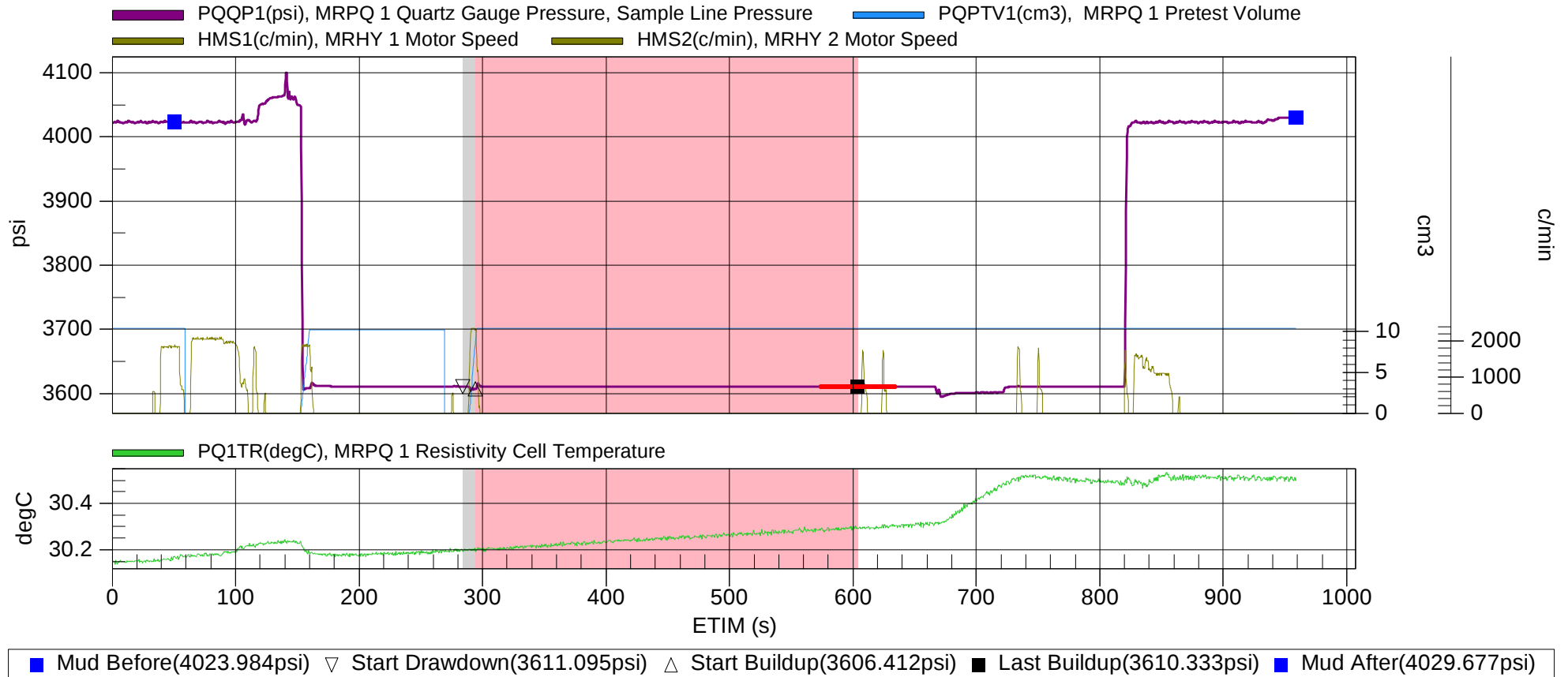
Run No:4 Test No:6 Probe MD:2487.44m Probe TVD:2487.44m
JAMSTEC

13-SEP-2012

OFA_MDT_072LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 3610.333 (psi)
Mud Pressure After: 4029.677 (psi)
Pretest Rate: 0.86 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 721.48 (mD/cP)
Temperature Before: 30.17 (degC)
Pretest Volume: 8.81 (cm3)

Pretest Status: Valid Test
Formation Pressure: 3610.333 (psi)
Mud Pressure Before: 4023.984 (psi)
Temperature After: 30.51 (degC)
Comments:

4.3 OFA_MDT_073LTP

4.3.1 Pressure vs. Time Plot

Pressure vs. Time Plot

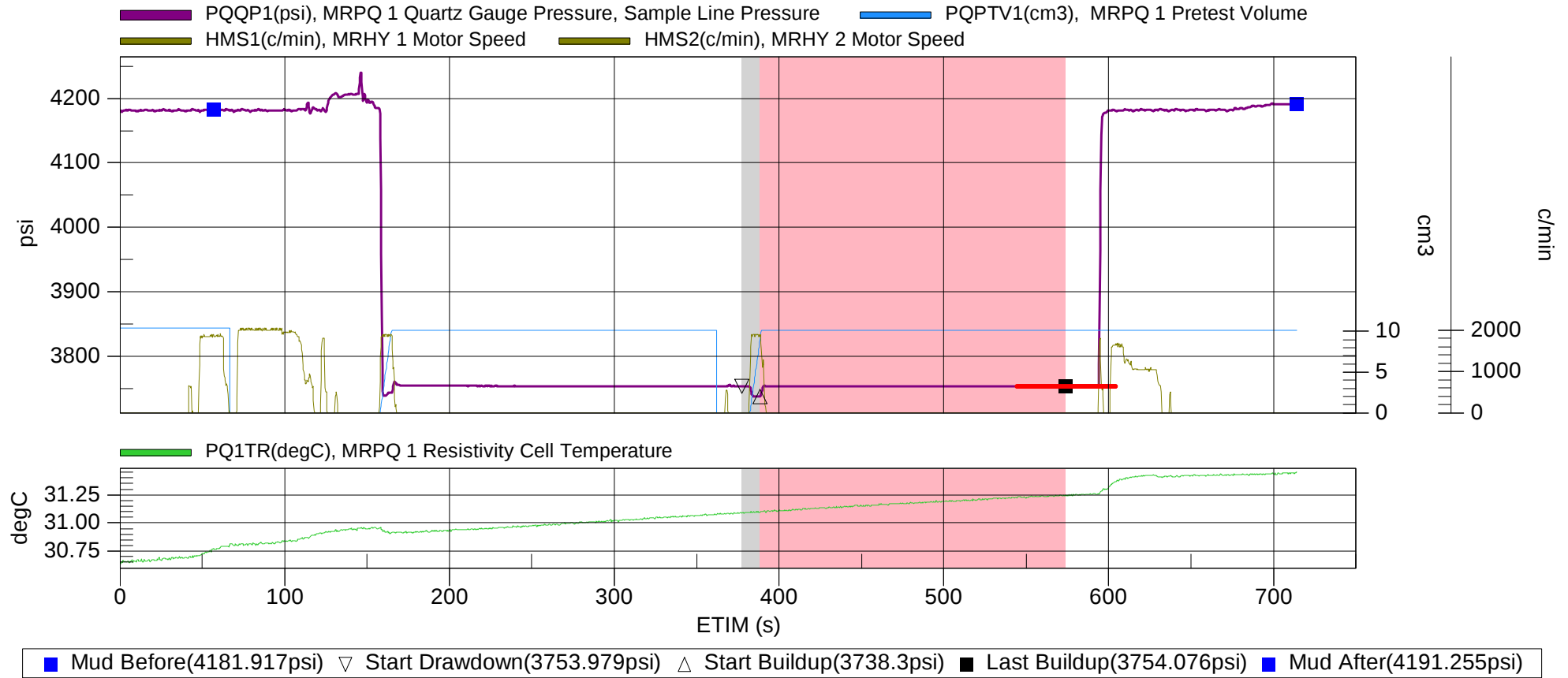
Run No:4 Test No:8 Probe MD:2586.49m Probe TVD:2586.49m
JAMSTEC

13-SEP-2012

OFA_MDT_073LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 3754.076 (psi)
Mud Pressure After: 4191.255 (psi)
Pretest Rate: 0.81 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 137.55 (mD/cP)
Temperature Before: 30.77 (degC)
Pretest Volume: 8.98 (cm3)

Pretest Status: Valid Test
Formation Pressure: 3754.076 (psi)
Mud Pressure Before: 4181.917 (psi)
Temperature After: 31.45 (degC)
Comments:

4.4 OFA_MDT_077LTP

4.4.1 Pressure vs. Time Plot

Pressure vs. Time Plot

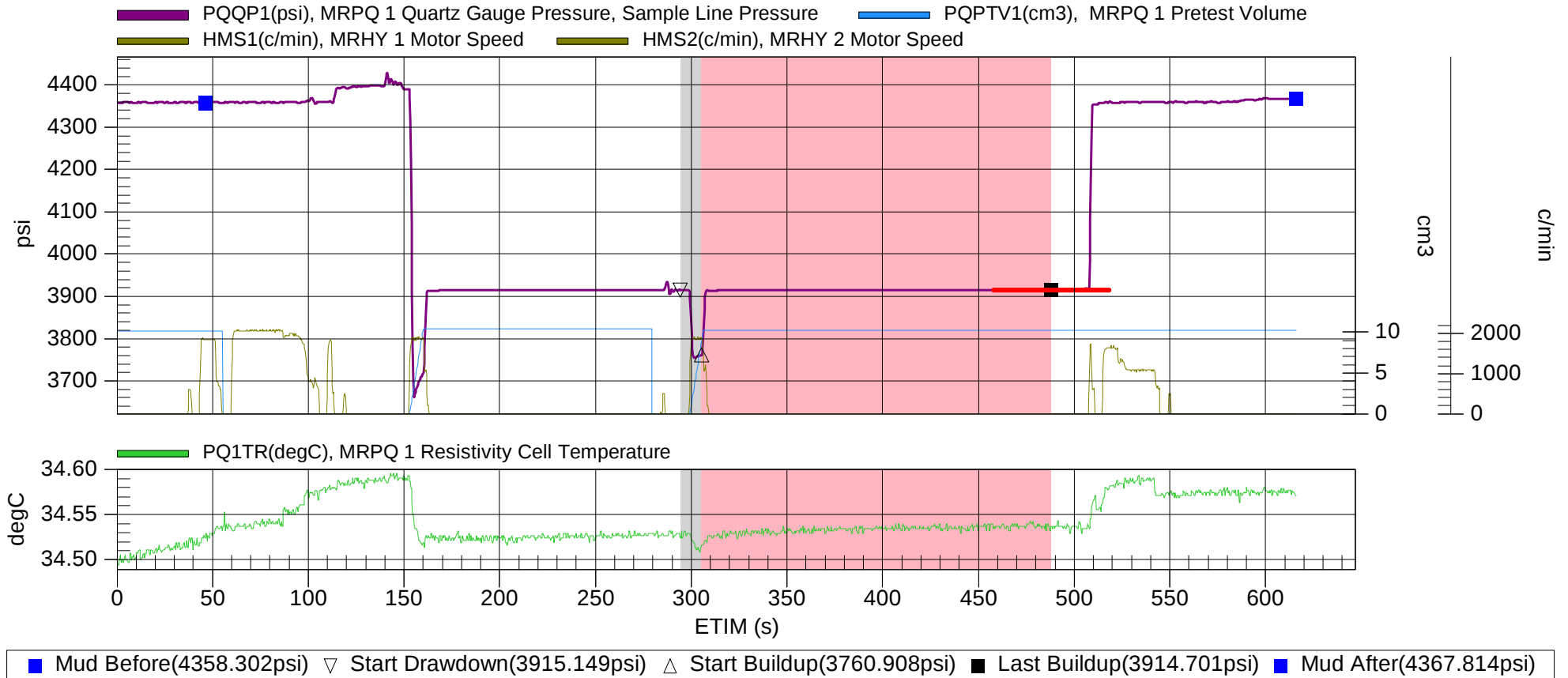
Run No:4 Test No:10 Probe MD:2696.99m Probe TVD:2696.99m
JAMSTEC

13-SEP-2012

OFA_MDT_077LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 3914.701 (psi)
Mud Pressure After: 4367.814 (psi)
Pretest Rate: 0.79 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 14.05 (mD/cP)
Temperature Before: 34.53 (degC)
Pretest Volume: 8.81 (cm3)

Pretest Status: Valid Test
Formation Pressure: 3914.701 (psi)
Mud Pressure Before: 4358.302 (psi)
Temperature After: 34.57 (degC)
Comments:

4.5 OFA_MDT_078LTP

4.5.1 Pressure vs. Time Plot

Pressure vs. Time Plot

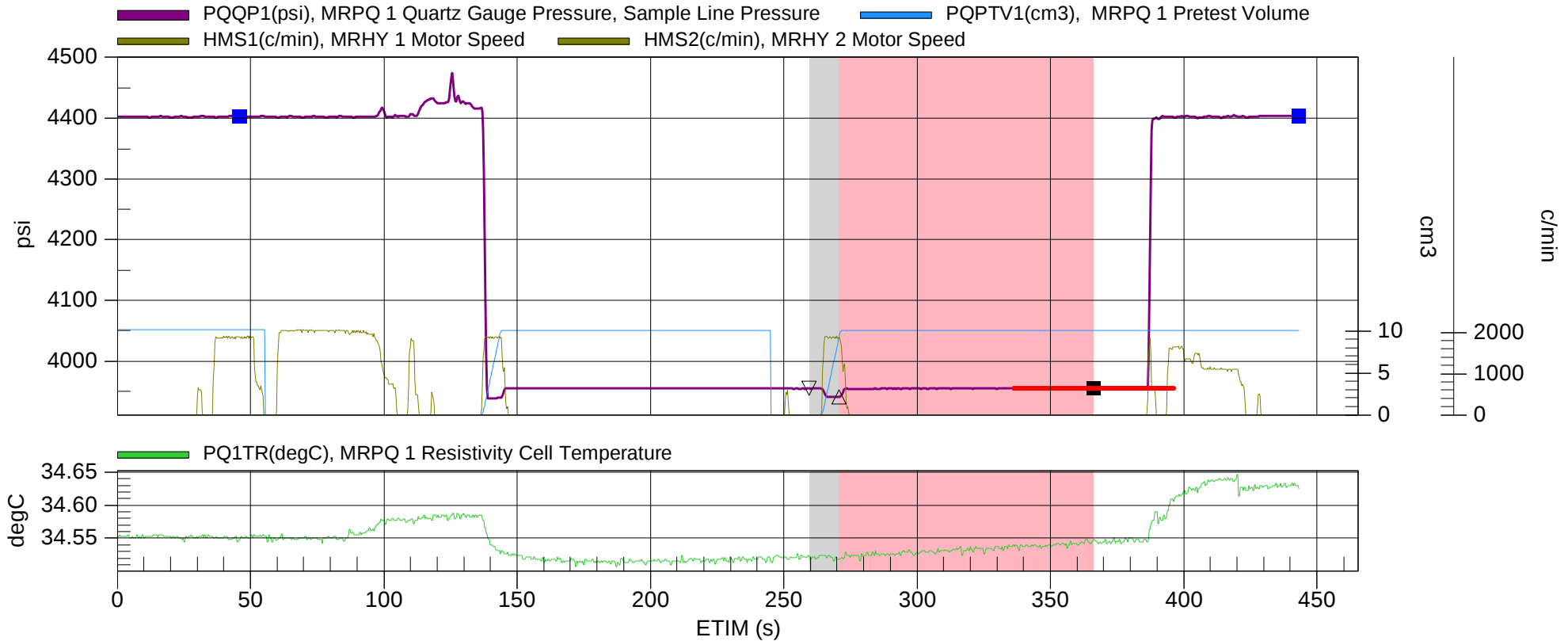
Run No:4 Test No:12 Probe MD:2724.47m Probe TVD:2724.47m
JAMSTEC

13-SEP-2012

OFA_MDT_078LTP

C0020

C0020A



■ Mud Before(4403.063psi) ▽ Start Drawdown(3954.524psi) △ Start Buildup(3941.13psi) ■ Last Buildup(3954.521psi) ■ Mud After(4403.925psi)

Tool Type:	MDT	Pretest Type:	Volumetric Pretest	Pretest Status:	Valid Test
Packer/Probe Type:	XLarge-Diameter probe	Primary Gauge:	PQQP1	Formation Pressure:	3954.521 (psi)
Last Read Buildup Pressure :	3954.521 (psi)	Drawdown Mobility:	170.9 (mD/cP)	Mud Pressure Before:	4403.063 (psi)
Mud Pressure After:	4403.925 (psi)	Temperature Before:	34.55 (degC)	Temperature After:	34.62 (degC)
Pretest Rate:	0.81 (cm3/s)	Pretest Volume:	9.19 (cm3)	Comments:	

4.6 OFA_MDT_079LTP

4.6.1 Pressure vs. Time Plot

Pressure vs. Time Plot

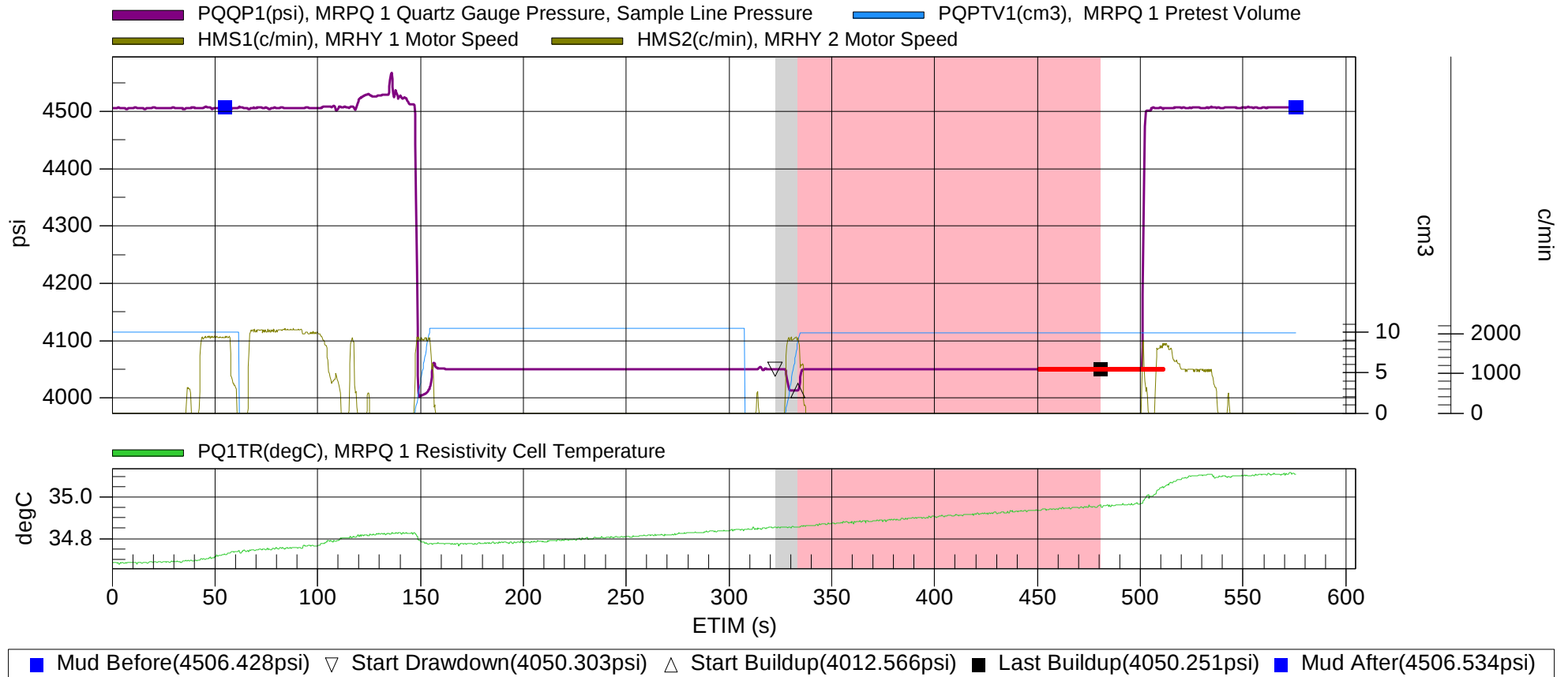
Run No:4 Test No:14 Probe MD:2789.02m Probe TVD:2789.02m
JAMSTEC

13-SEP-2012

OFA_MDT_079LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4050.251 (psi)
Mud Pressure After: 4506.534 (psi)
Pretest Rate: 0.79 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 60.12 (mD/cP)
Temperature Before: 34.72 (degC)
Pretest Volume: 8.8 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4050.251 (psi)
Mud Pressure Before: 4506.428 (psi)
Temperature After: 35.11 (degC)
Comments:

4.7 OFA_MDT_080LTP

4.7.1 Pressure vs. Time Plot

Pressure vs. Time Plot

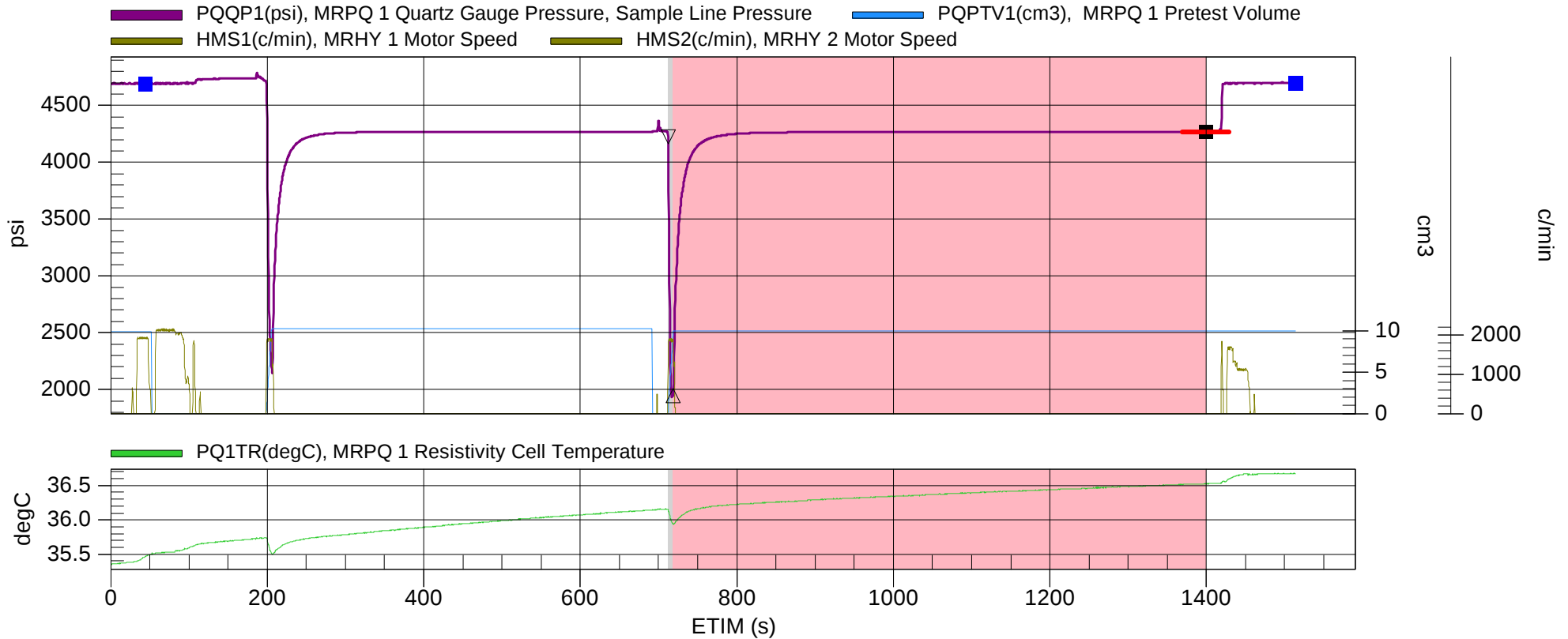
Run No:4 Test No:16 Probe MD:2906.49m Probe TVD:2906.49m
JAMSTEC

13-SEP-2012

OFA_MDT_080LTP

C0020

C0020A



■ Mud Before(4693.655psi)
 ▽ Start Drawdown(4221.919psi)
 △ Start Buildup(1948.653psi)
 ■ Last Buildup(4268.363psi)
 ■ Mud After(4699.63psi)

Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4268.363 (psi)
Mud Pressure After: 4699.63 (psi)
Pretest Rate: 1.43 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 0.48 (mD/cP)
Temperature Before: 35.47 (degC)
Pretest Volume: 9.44 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4268.363 (psi)
Mud Pressure Before: 4693.655 (psi)
Temperature After: 36.67 (degC)
Comments:

4.8 OFA_MDT_082LTP

4.8.1 Pressure vs. Time Plot

Pressure vs. Time Plot

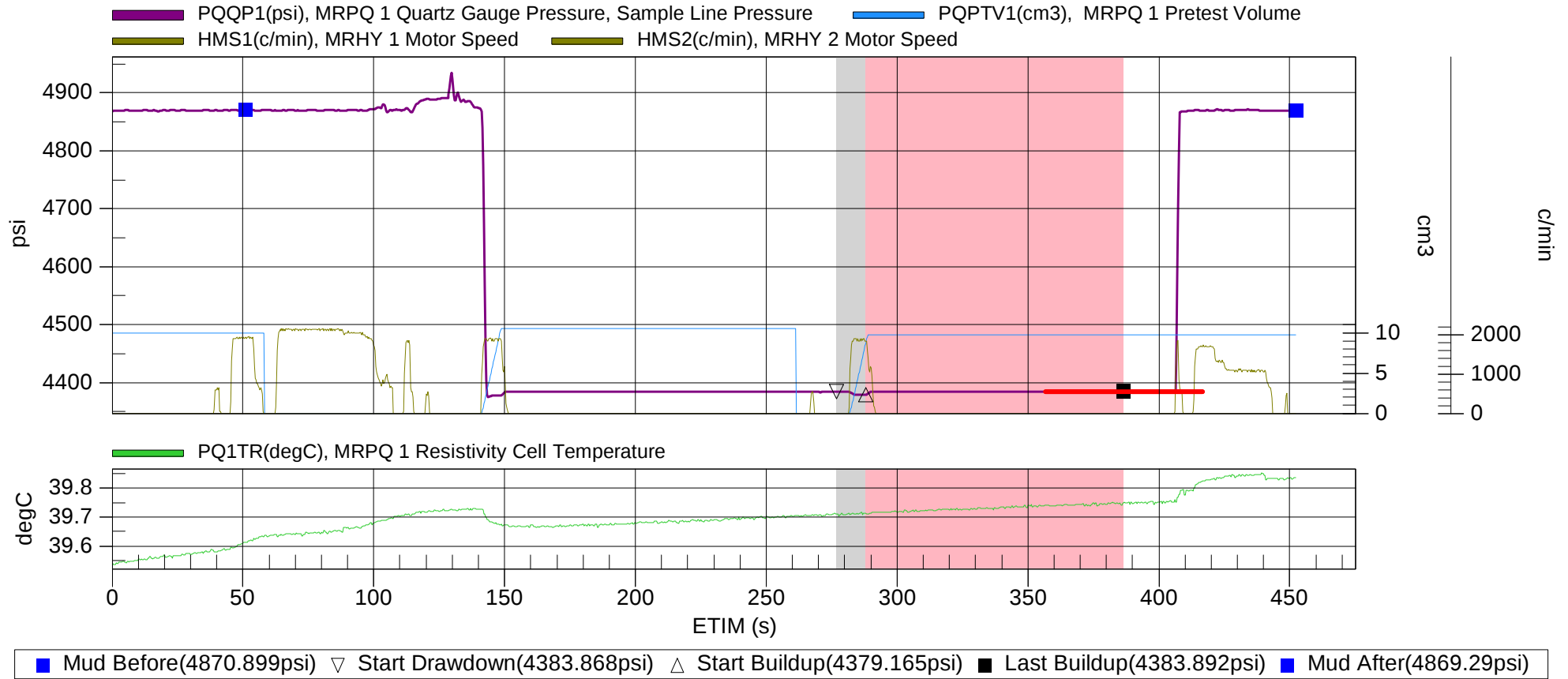
Run No:4 Test No:18 Probe MD:3016.48m Probe TVD:3016.48m
JAMSTEC

13-SEP-2012

OFA_MDT_082LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4383.892 (psi)
Mud Pressure After: 4869.29 (psi)
Pretest Rate: 0.78 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 465.36 (mD/cP)
Temperature Before: 39.61 (degC)
Pretest Volume: 8.65 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4383.892 (psi)
Mud Pressure Before: 4870.899 (psi)
Temperature After: 39.83 (degC)
Comments:

4.9 OFA_MDT_083LTP

4.9.1 Pressure vs. Time Plot

Pressure vs. Time Plot

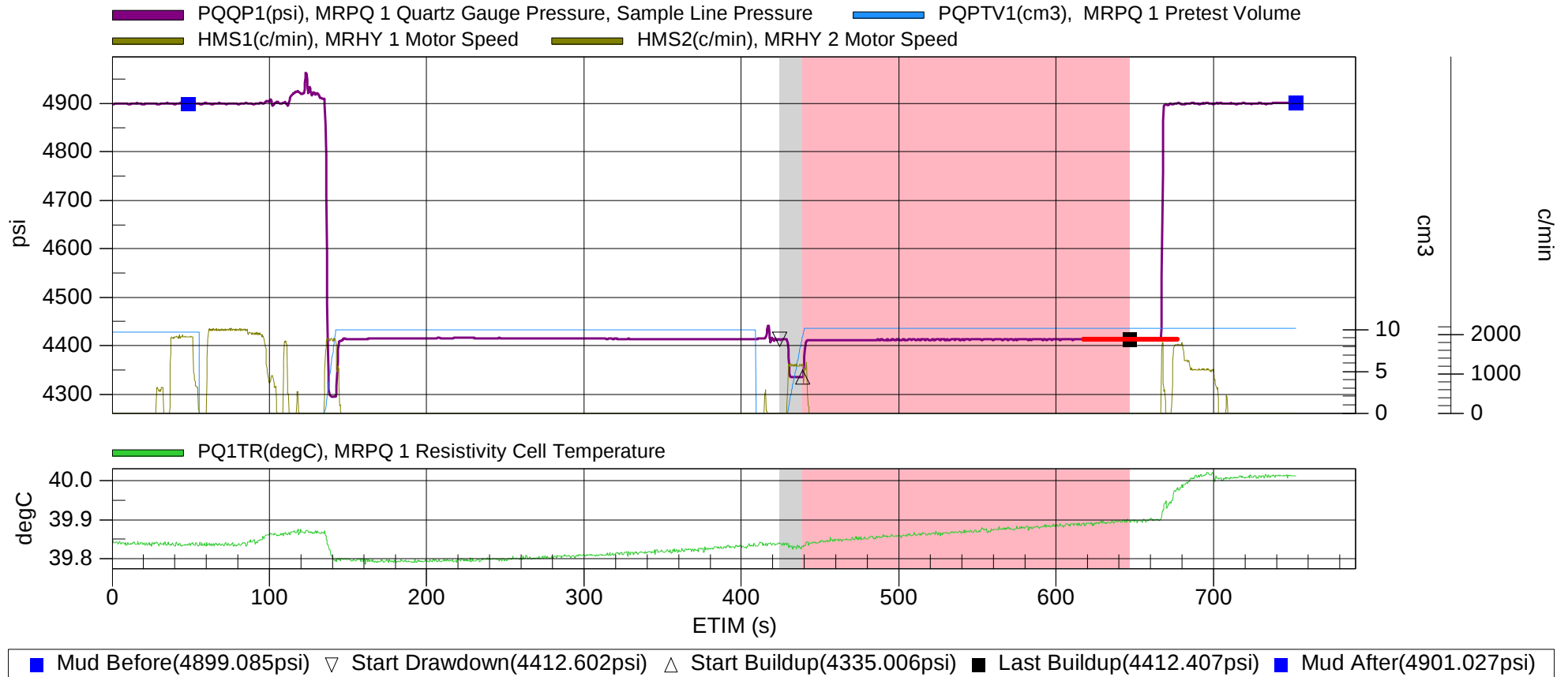
Run No:4 Test No:20 Probe MD:3035.02m Probe TVD:3035.02m
JAMSTEC

13-SEP-2012

OFA_MDT_083LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4412.407 (psi)
Mud Pressure After: 4901.027 (psi)
Pretest Rate: 0.63 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 19.15 (mD/cP)
Temperature Before: 39.83 (degC)
Pretest Volume: 9.22 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4412.407 (psi)
Mud Pressure Before: 4899.085 (psi)
Temperature After: 40.01 (degC)
Comments:

4.10 OFA_MDT_084LTP

4.10.1 Pressure vs. Time Plot

Pressure vs. Time Plot

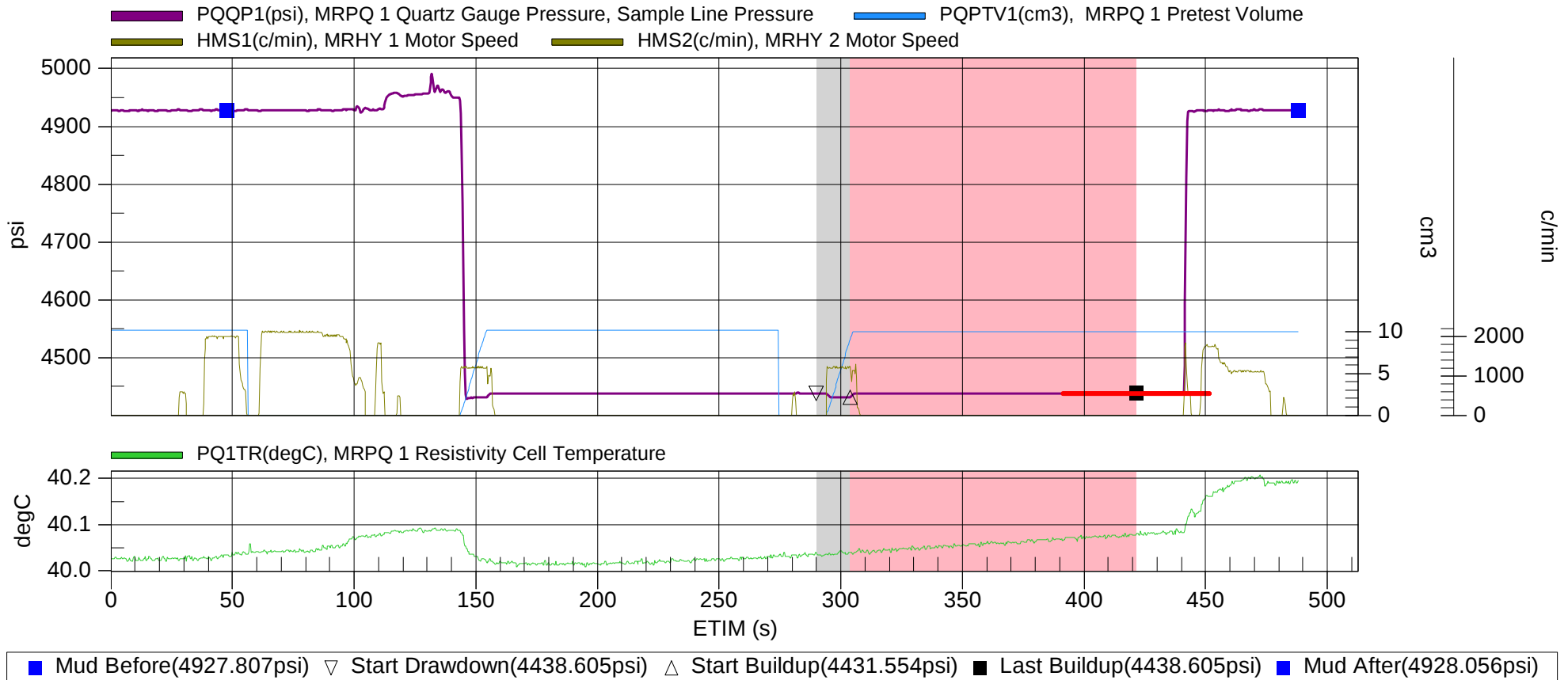
Run No:4 Test No:22 Probe MD:3052.52m Probe TVD:3052.52m
JAMSTEC

13-SEP-2012

OFA_MDT_084LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4438.605 (psi)
Mud Pressure After: 4928.056 (psi)
Pretest Rate: 0.65 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 210.62 (mD/cP)
Temperature Before: 40.03 (degC)
Pretest Volume: 9.09 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4438.605 (psi)
Mud Pressure Before: 4927.807 (psi)
Temperature After: 40.2 (degC)
Comments:

4.11 OFA_MDT_085LTP

4.11.1 Pressure vs. Time Plot

Pressure vs. Time Plot

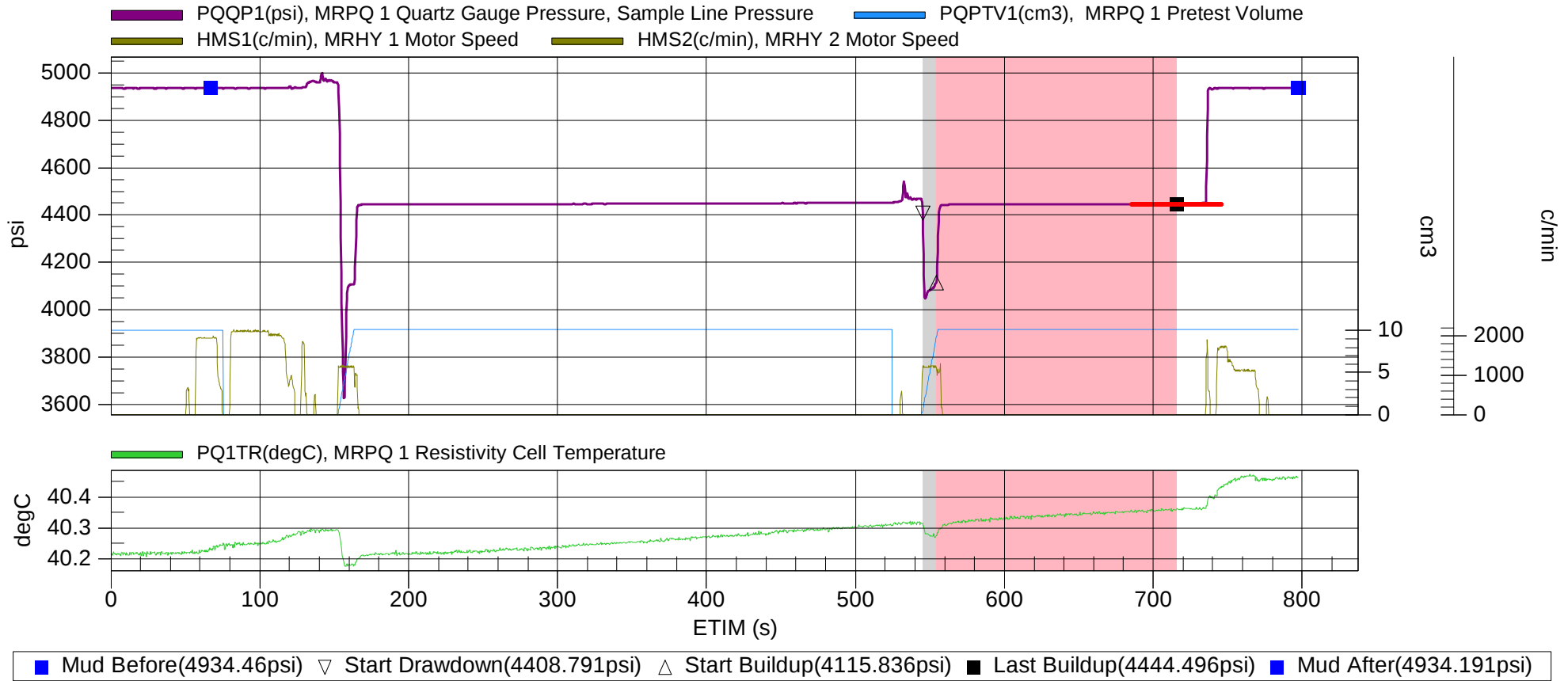
Run No:4 Test No:24 Probe MD:3056.48m Probe TVD:3056.48m
JAMSTEC

13-SEP-2012

OFA_MDT_085LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4444.496 (psi)
Mud Pressure After: 4934.191 (psi)
Pretest Rate: 0.96 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 4.18 (mD/cP)
Temperature Before: 40.23 (degC)
Pretest Volume: 8.91 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4444.496 (psi)
Mud Pressure Before: 4934.46 (psi)
Temperature After: 40.46 (degC)
Comments:

4.12 OFA_MDT_086LTP

4.12.1 Pressure vs. Time Plot

Pressure vs. Time Plot

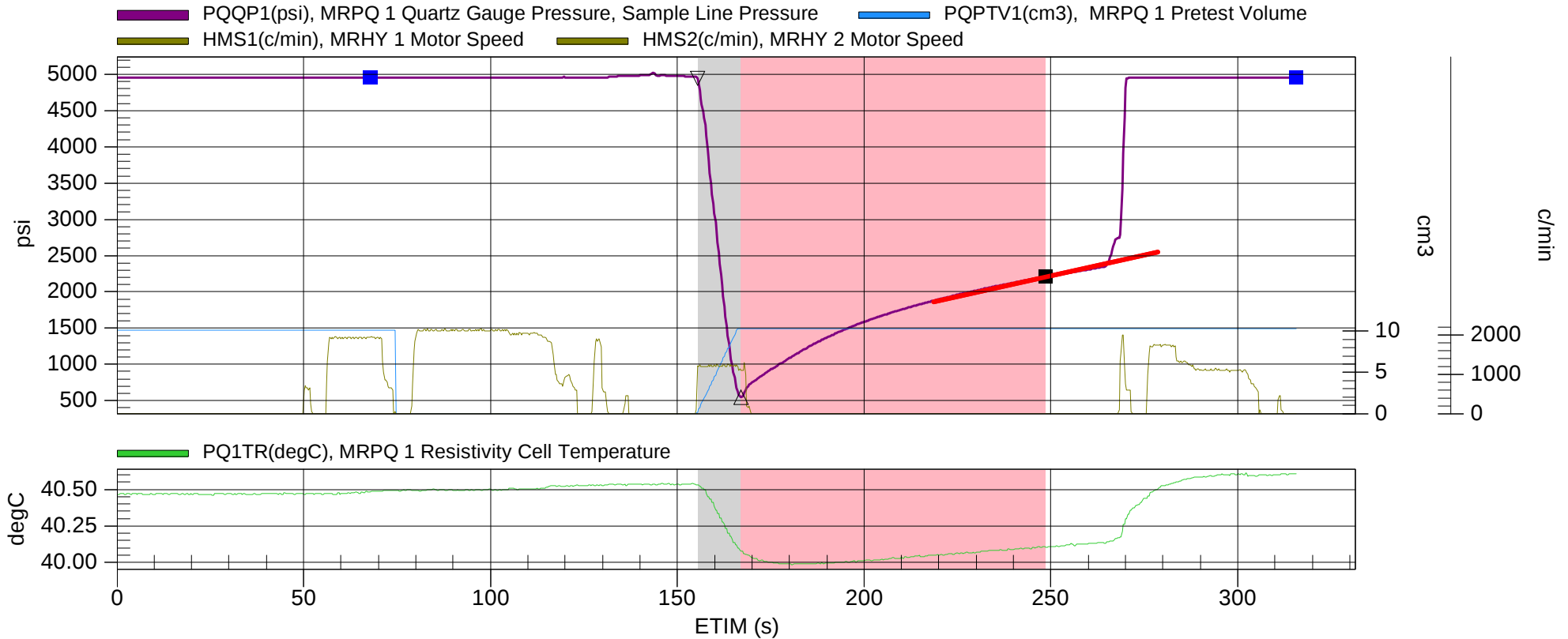
Run No:4 Test No:25 Probe MD:3069.01m Probe TVD:3069.01m
JAMSTEC

13-SEP-2012

OFA_MDT_086LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 2208.775 (psi)
Mud Pressure After: 4955.019 (psi)
Pretest Rate: 0.87 (cm3/s)

Pretest Type: Volumetric Pretest
Primary Gauge: PQQP1
Drawdown Mobility:
Temperature Before: 40.48 (degC)
Pretest Volume: 10.21 (cm3)

Pretest Status: Tight Test
Formation Pressure:
Mud Pressure Before: 4954.635 (psi)
Temperature After: 40.61 (degC)
Comments:

4.13 OFA_MDT_087LTP

4.13.1 Pressure vs. Time Plot

Pressure vs. Time Plot

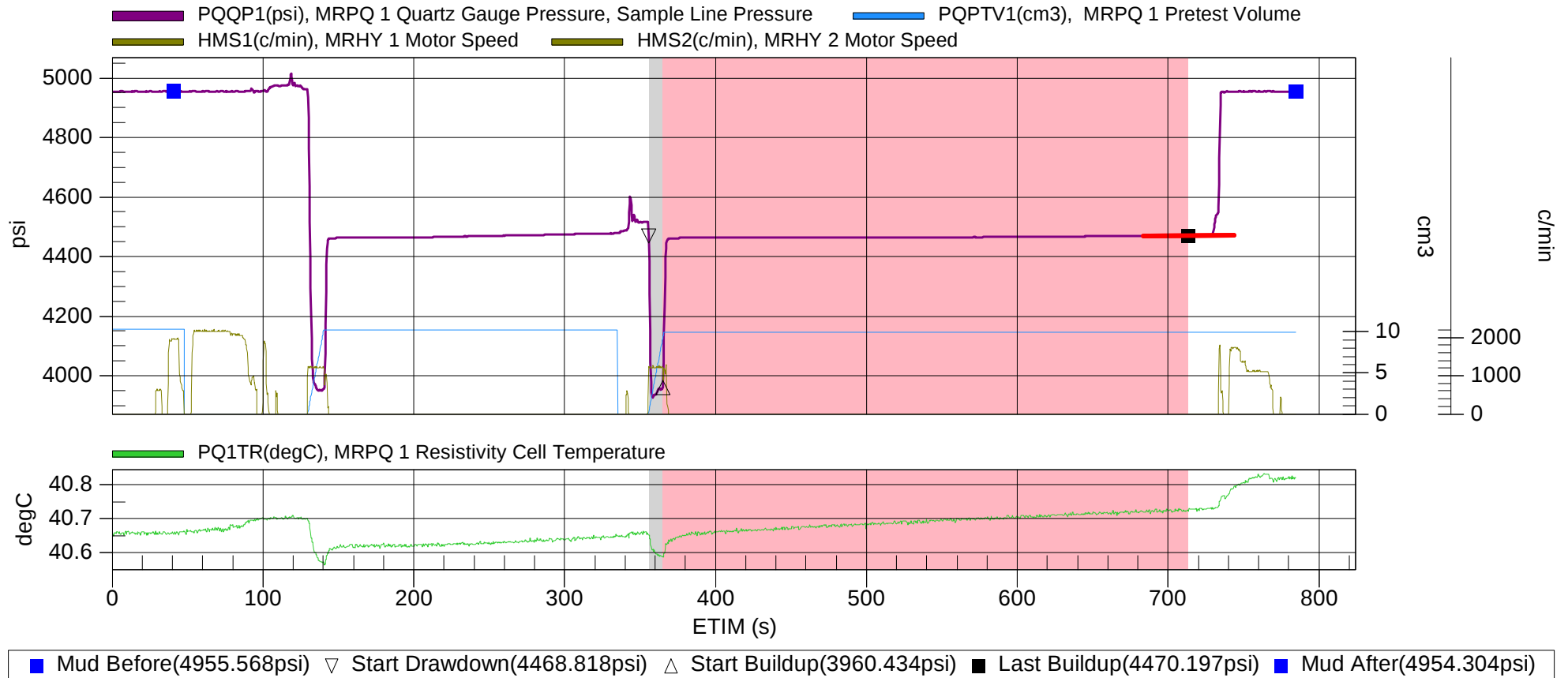
Run No:4 Test No:27 Probe MD:3069.25m Probe TVD:3069.25m
JAMSTEC

13-SEP-2012

OFA_MDT_087LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4470.197 (psi)
Mud Pressure After: 4954.304 (psi)
Pretest Rate: 0.96 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 2.18 (mD/cP)
Temperature Before: 40.66 (degC)
Pretest Volume: 8.92 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4470.197 (psi)
Mud Pressure Before: 4955.568 (psi)
Temperature After: 40.82 (degC)
Comments:

4.14 OFA_MDT_088LTP

4.14.1 Pressure vs. Time Plot

Pressure vs. Time Plot

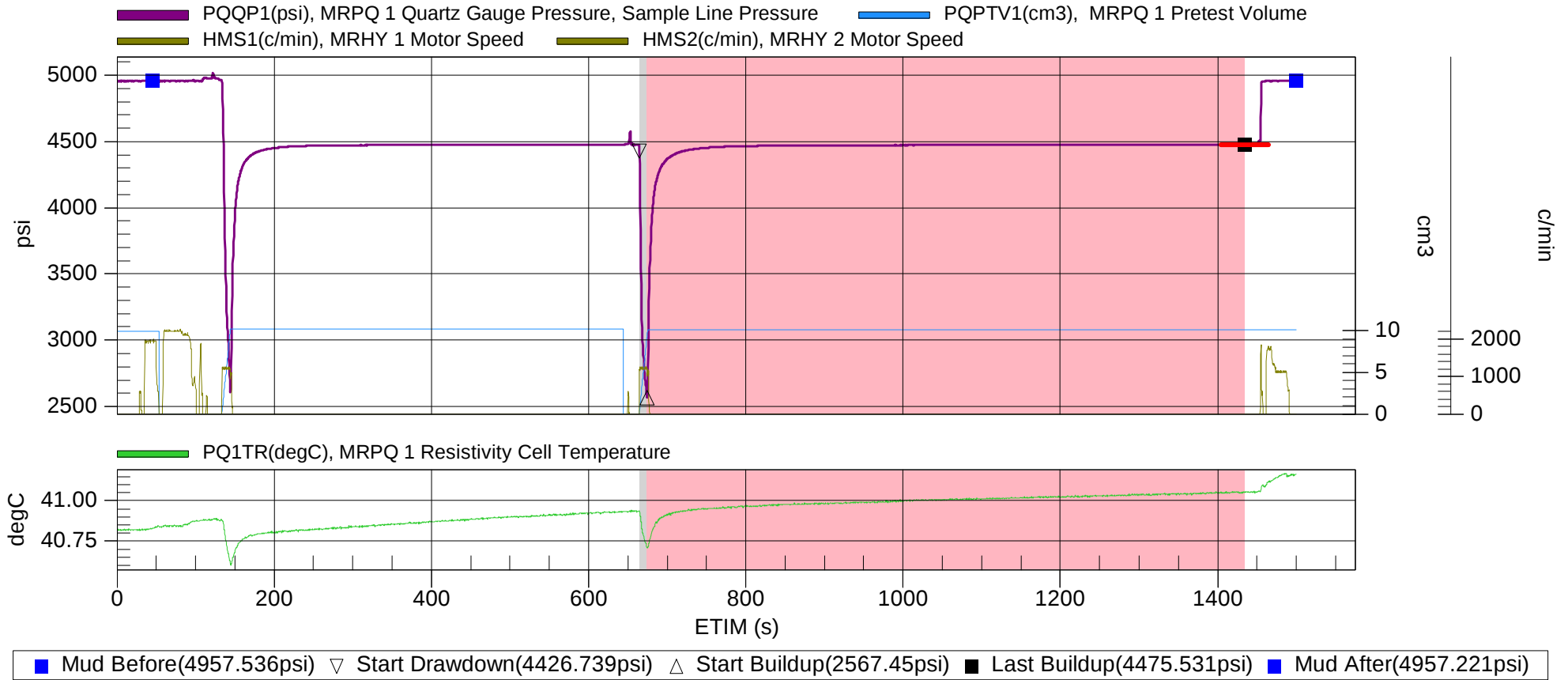
Run No:4 Test No:29 Probe MD:3070.42m Probe TVD:3070.42m
JAMSTEC

13-SEP-2012

OFA_MDT_088LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4475.531 (psi)
Mud Pressure After: 4957.221 (psi)
Pretest Rate: 0.95 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 0.52 (mD/cP)
Temperature Before: 40.83 (degC)
Pretest Volume: 9.09 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4475.531 (psi)
Mud Pressure Before: 4957.536 (psi)
Temperature After: 41.16 (degC)
Comments:

4.15 OFA_MDT_089LTP

4.15.1 Pressure vs. Time Plot

Pressure vs. Time Plot

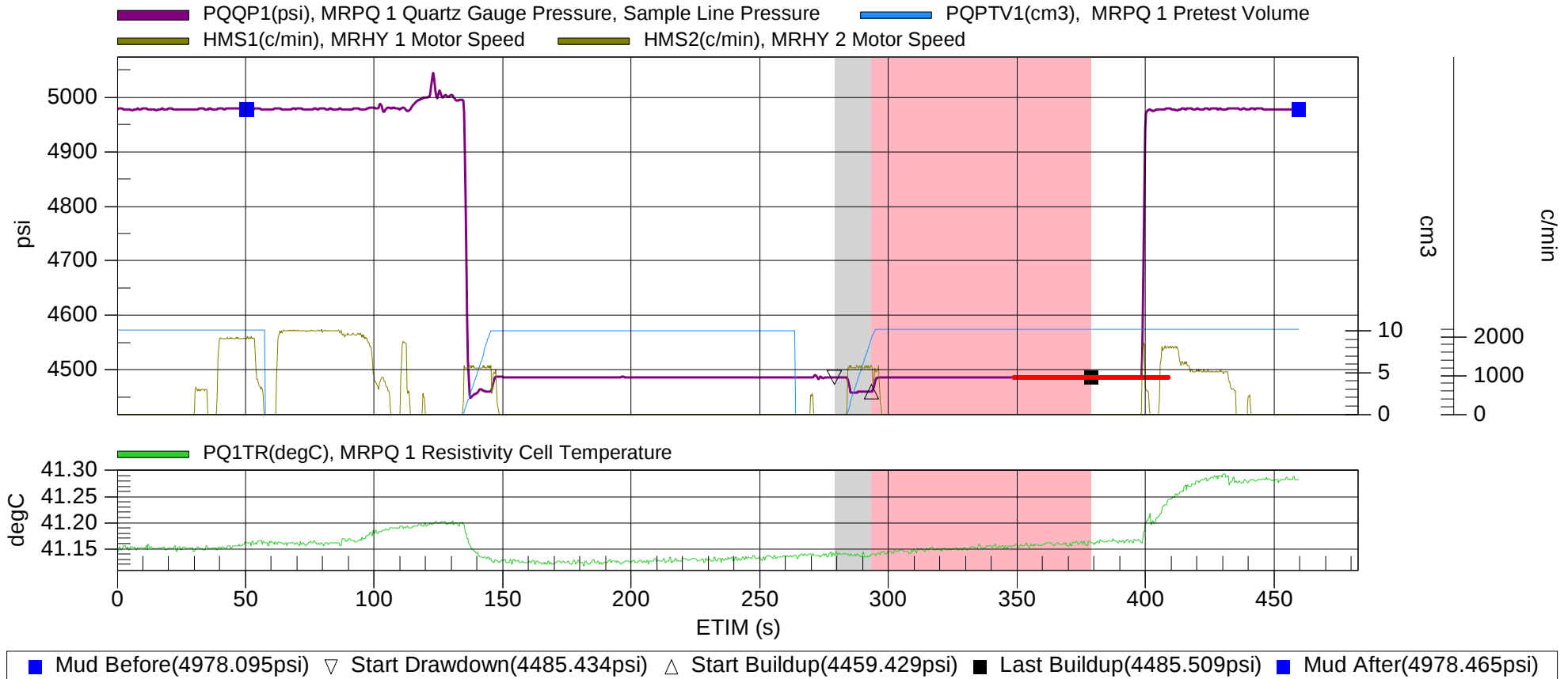
Run No:4 Test No:31 Probe MD:3084m Probe TVD:3084m
JAMSTEC

13-SEP-2012

OFA_MDT_089LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4485.509 (psi)
Mud Pressure After: 4978.465 (psi)
Pretest Rate: 0.63 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 57.74 (mD/cP)
Temperature Before: 41.16 (degC)
Pretest Volume: 9.06 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4485.509 (psi)
Mud Pressure Before: 4978.095 (psi)
Temperature After: 41.28 (degC)
Comments:

4.16 OFA_MDT_090LTP

4.16.1 Pressure vs. Time Plot

Pressure vs. Time Plot

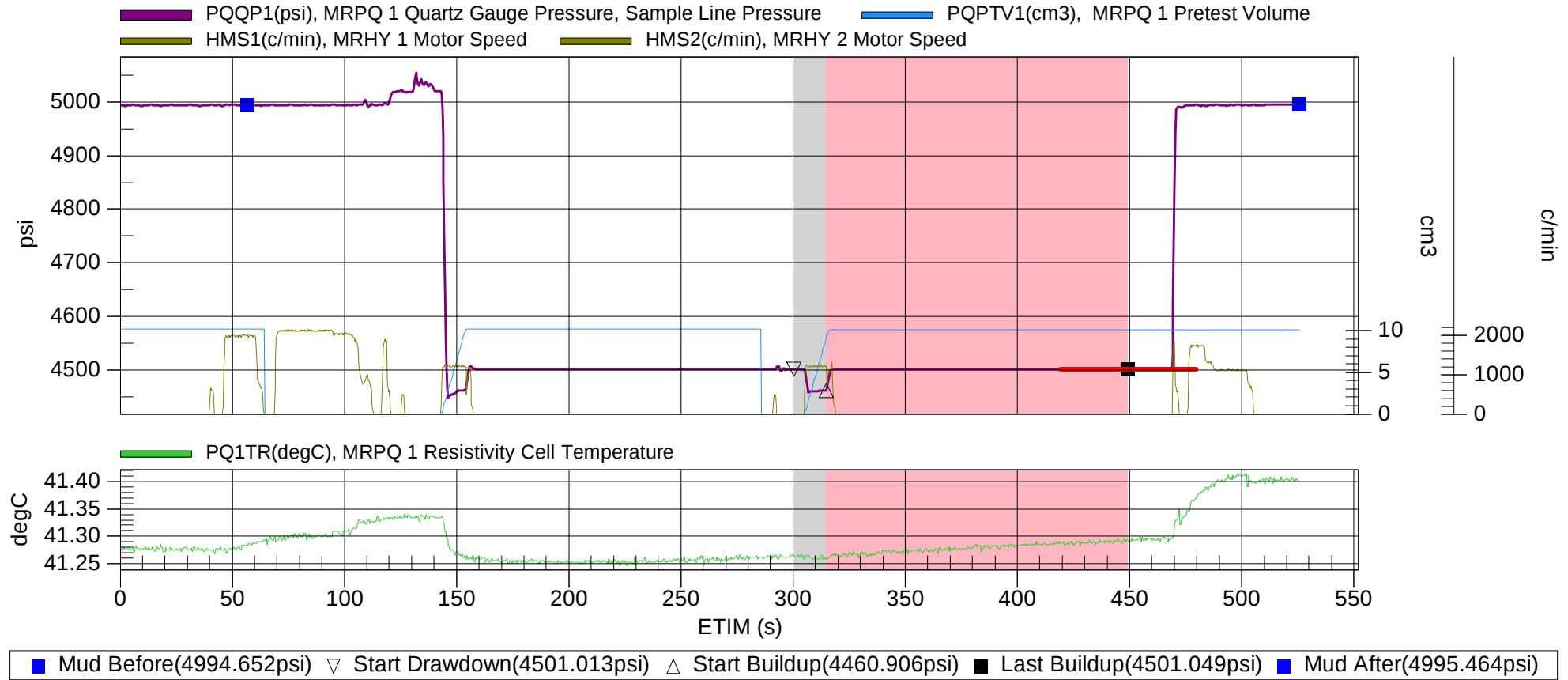
Run No:4 Test No:33 Probe MD:3093.98m Probe TVD:3093.98m
JAMSTEC

13-SEP-2012

OFA_MDT_090LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4501.049 (psi)
Mud Pressure After: 4995.464 (psi)
Pretest Rate: 0.62 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 36.52 (mD/cP)
Temperature Before: 41.29 (degC)
Pretest Volume: 8.97 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4501.049 (psi)
Mud Pressure Before: 4994.652 (psi)
Temperature After: 41.4 (degC)
Comments:

4.17 OFA_MDT_092LTP

4.17.1 Pressure vs. Time Plot

Pressure vs. Time Plot

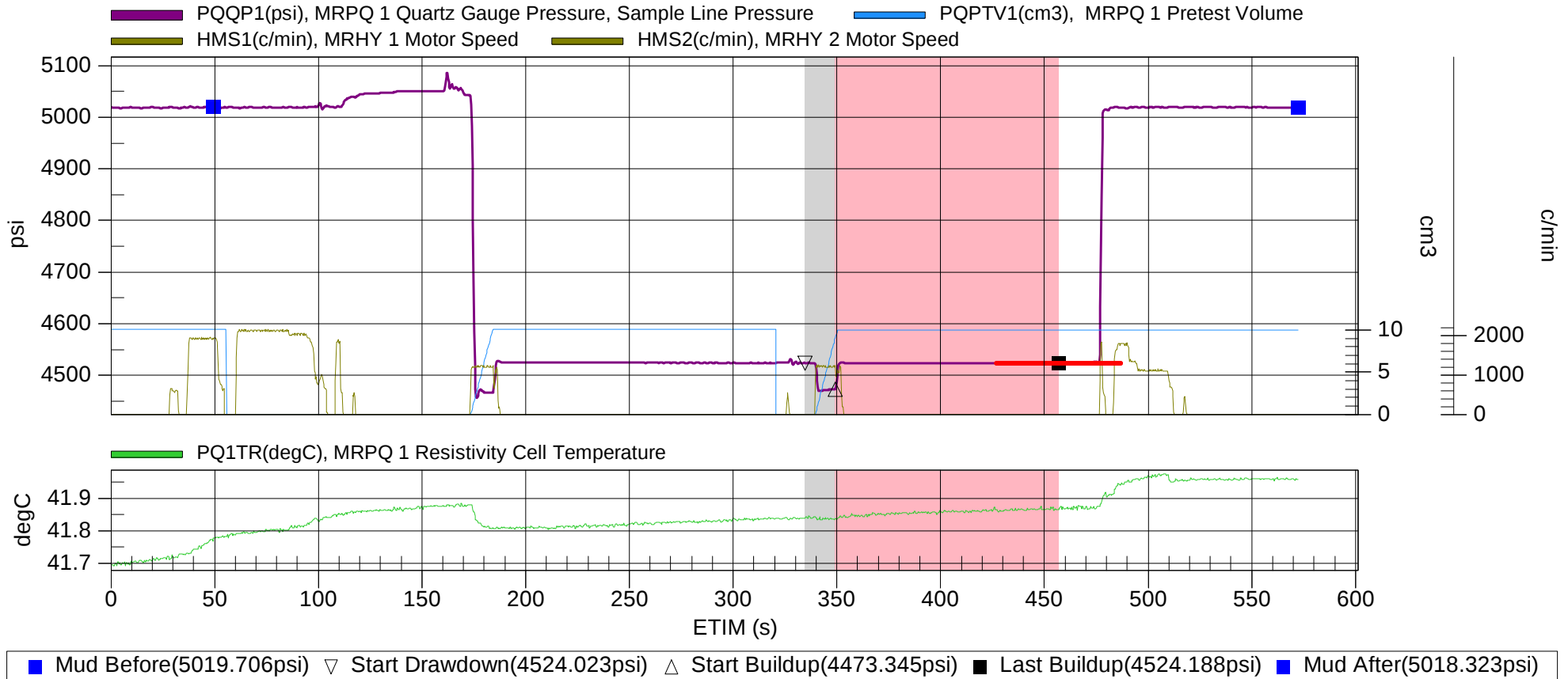
Run No:4 Test No:35 Probe MD:3109.9m Probe TVD:3109.9m
JAMSTEC

13-SEP-2012

OFA_MDT_092LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4524.188 (psi)
Mud Pressure After: 5018.323 (psi)
Pretest Rate: 0.63 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 29.2 (mD/cP)
Temperature Before: 41.77 (degC)
Pretest Volume: 9.09 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4524.188 (psi)
Mud Pressure Before: 5019.706 (psi)
Temperature After: 41.96 (degC)
Comments:

4.18 OFA_MDT_094LTP

4.18.1 Pressure vs. Time Plot

Pressure vs. Time Plot

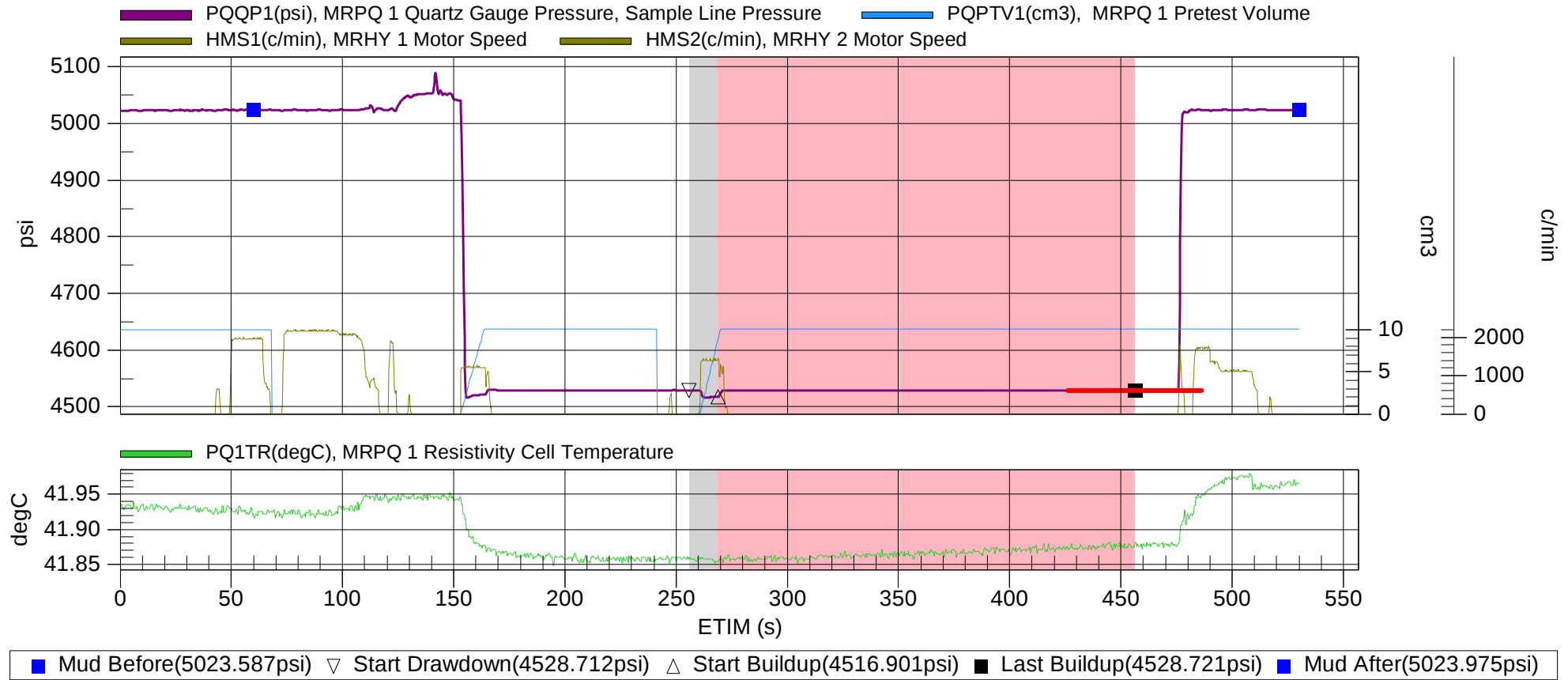
Run No:4 Test No:37 Probe MD:3113.03m Probe TVD:3113.03m
JAMSTEC

13-SEP-2012

OFA_MDT_094LTP

C0020

C0020A



Tool Type:

MDT

Pretest Type:

Volumetric Drawdown Pretest

Pretest Status:

Valid Test

Packer/Probe Type:

XLarge-Diameter probe

Primary Gauge:

PQQP1

Formation Pressure:

4528.721 (psi)

Last Read Buildup Pressure :

4528.721 (psi)

Drawdown Mobility:

148.74 (mD/cP)

Mud Pressure Before:

5023.587 (psi)

Mud Pressure After:

5023.975 (psi)

Temperature Before:

41.92 (degC)

Temperature After:

41.97 (degC)

Pretest Rate:

0.7 (cm3/s)

Pretest Volume:

8.98 (cm3)

Comments:

4.19 OFA_MDT_095LTP

4.19.1 Pressure vs. Time Plot

Pressure vs. Time Plot

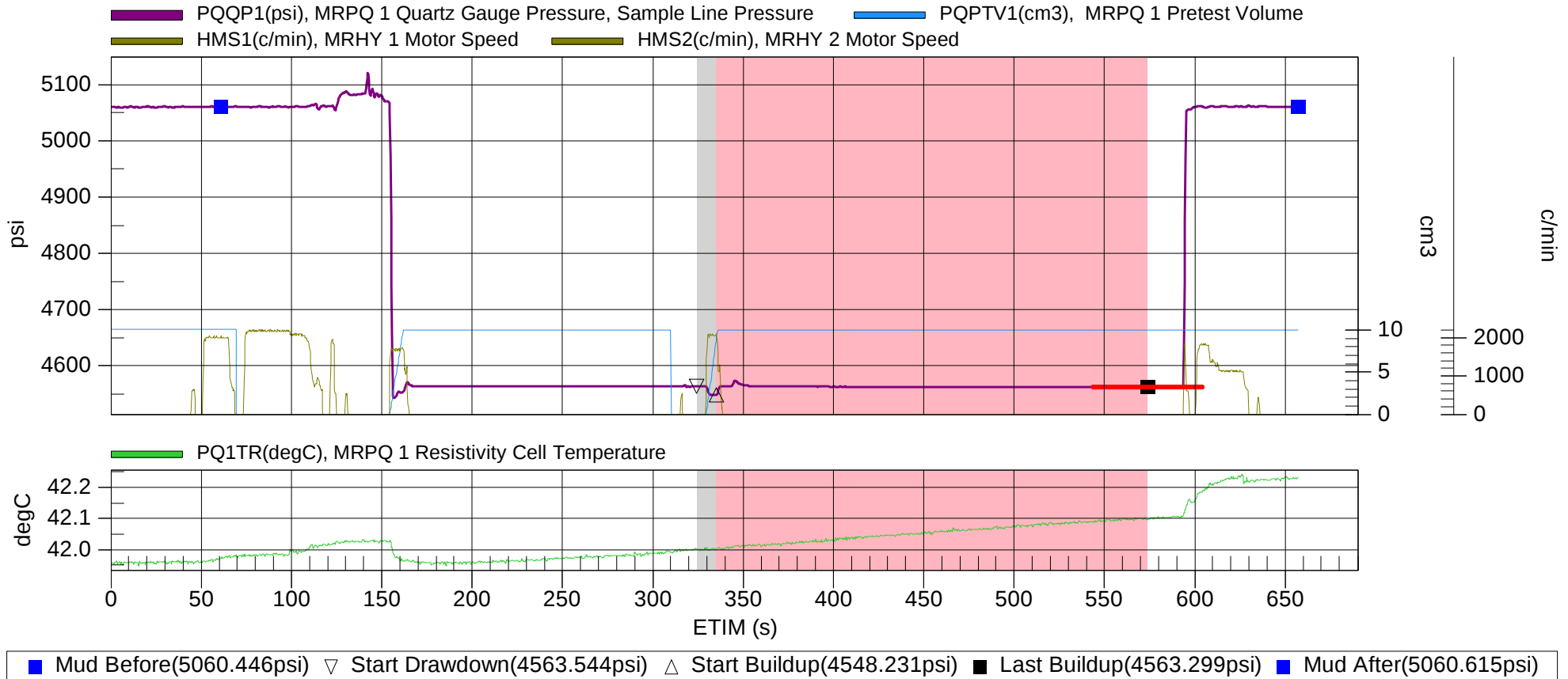
Run No:4 Test No:39 Probe MD:3136.01m Probe TVD:3136.01m
JAMSTEC

13-SEP-2012

OFA_MDT_095LTP

C0020

C0020A



Tool Type:	MDT	Pretest Type:	Volumetric Drawdown Pretest	Pretest Status:	Valid Test
Packer/Probe Type:	XLarge-Diameter probe	Primary Gauge:	PQQP1	Formation Pressure:	4563.299 (psi)
Last Read Buildup Pressure :	4563.299 (psi)	Drawdown Mobility:	170.97 (mD/cP)	Mud Pressure Before:	5060.446 (psi)
Mud Pressure After:	5060.615 (psi)	Temperature Before:	41.98 (degC)	Temperature After:	42.23 (degC)
Pretest Rate:	0.81 (cm3/s)	Pretest Volume:	8.71 (cm3)	Comments:	

4.20 OFA_MDT_096LTP

4.20.1 Pressure vs. Time Plot

Pressure vs. Time Plot

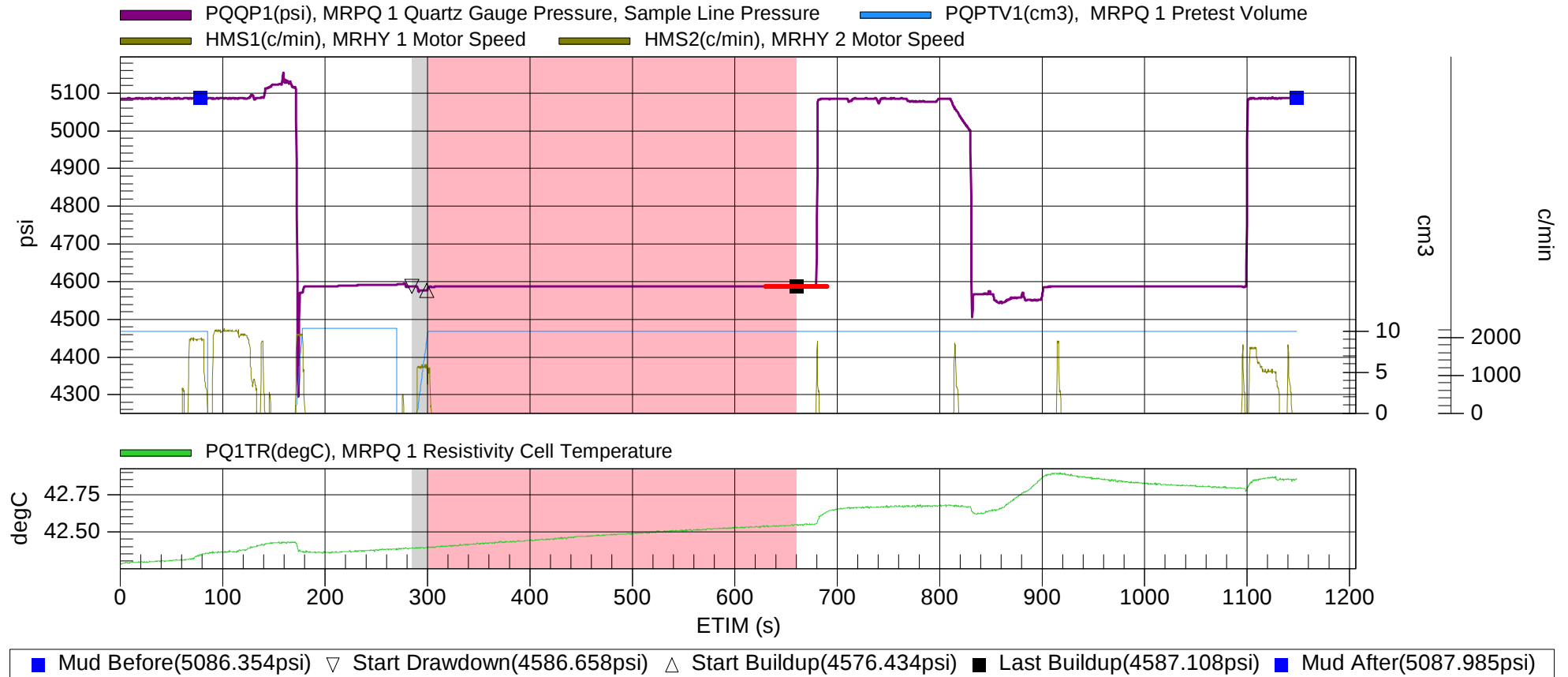
Run No:4 Test No:41 Probe MD:3152.03m Probe TVD:3152.03m
JAMSTEC

13-SEP-2012

OFA_MDT_096LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4587.108 (psi)
Mud Pressure After: 5087.985 (psi)
Pretest Rate: 0.63 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 43.09 (mD/cP)
Temperature Before: 42.35 (degC)
Pretest Volume: 9.05 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4587.108 (psi)
Mud Pressure Before: 5086.354 (psi)
Temperature After: 42.86 (degC)
Comments:

4.21 OFA_MDT_097LTP

4.21.1 Pressure vs. Time Plot

Pressure vs. Time Plot

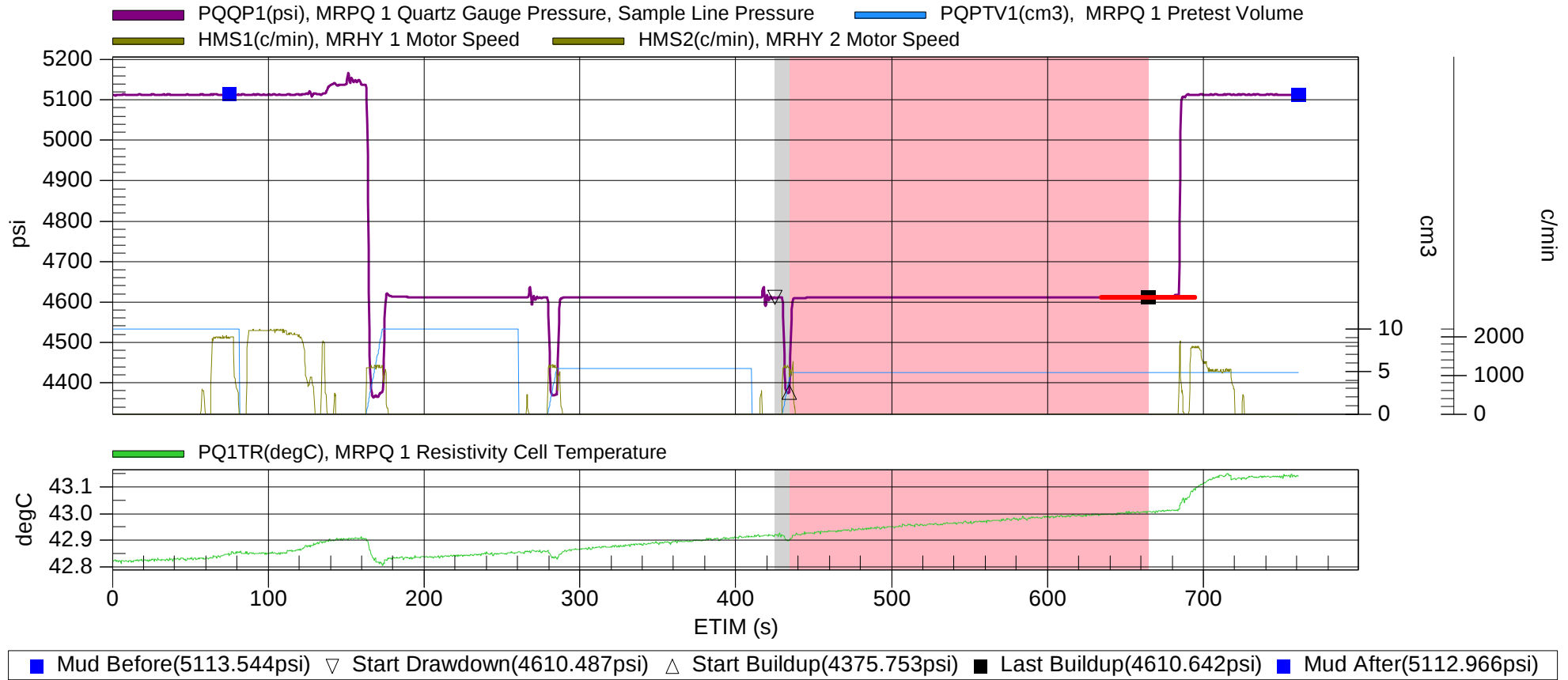
Run No:4 Test No:44 Probe MD:3168.52m Probe TVD:3168.52m
JAMSTEC

13-SEP-2012

OFA_MDT_097LTP

C0020

C0020A



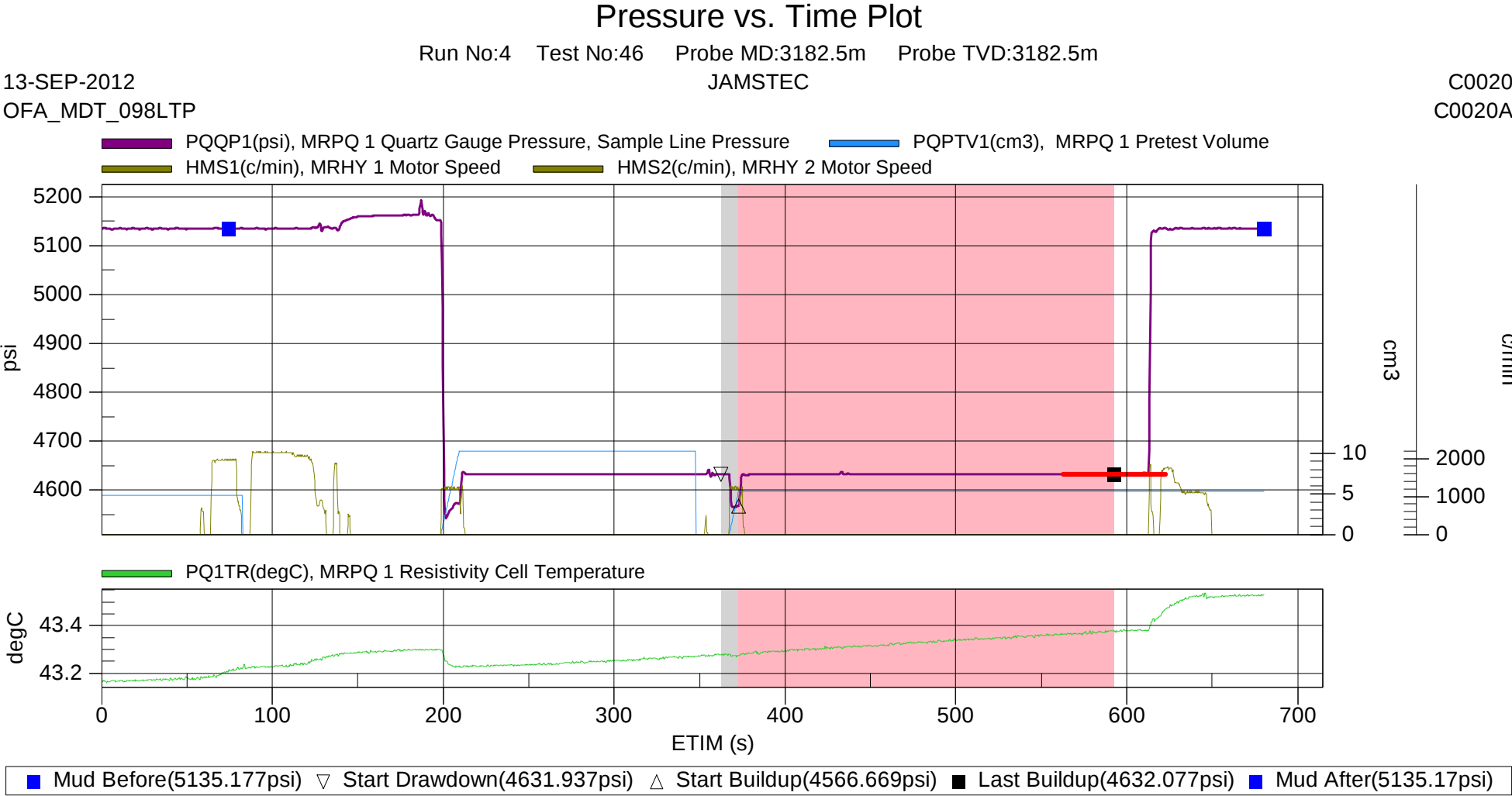
Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4610.642 (psi)
Mud Pressure After: 5112.966 (psi)
Pretest Rate: 0.43 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 6.44 (mD/cP)
Temperature Before: 42.85 (degC)
Pretest Volume: 3.89 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4610.642 (psi)
Mud Pressure Before: 5113.544 (psi)
Temperature After: 43.14 (degC)
Comments:

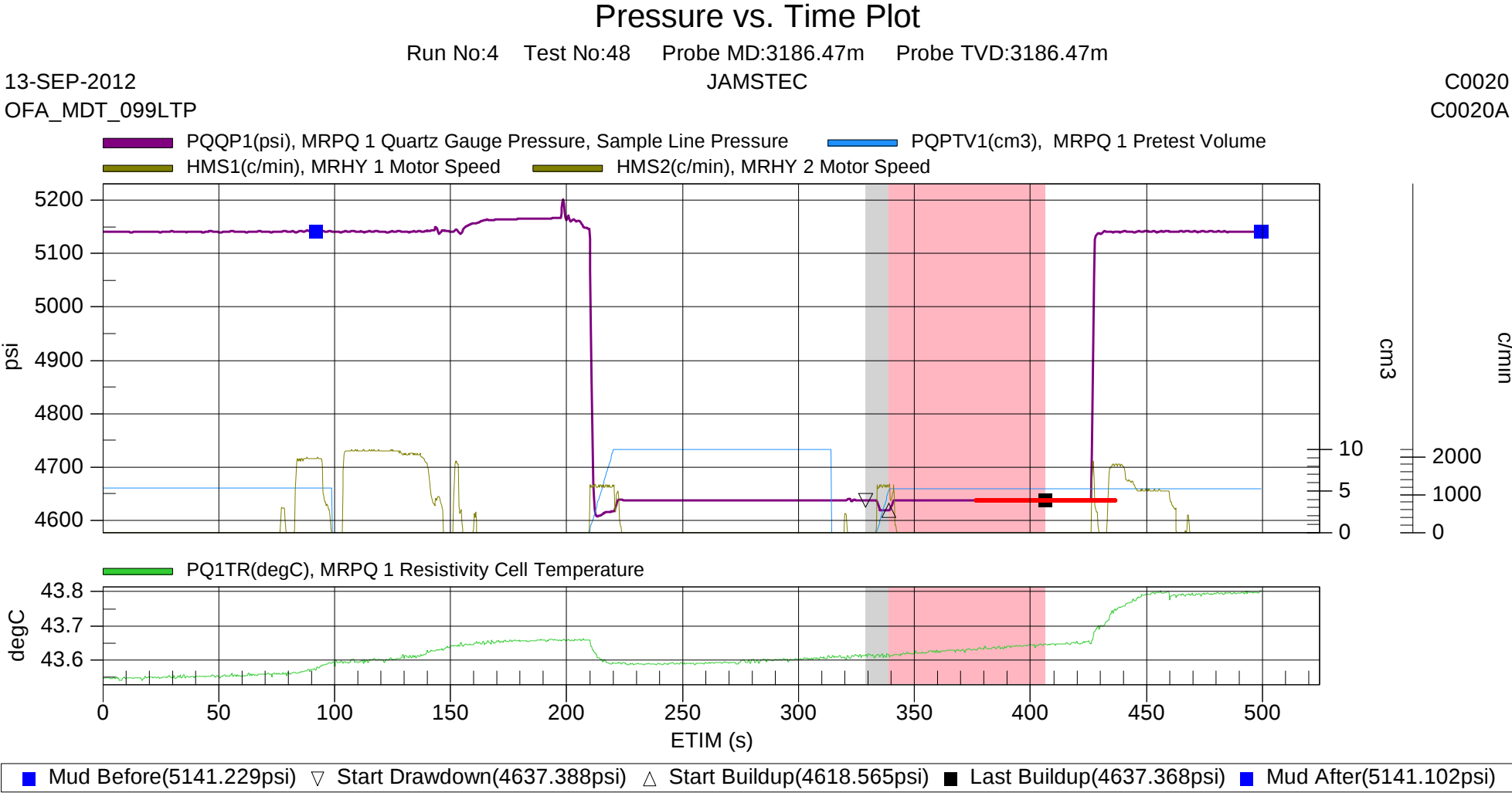
4.22 OFA_MDT_098LTP

4.22.1 Pressure vs. Time Plot



4.23 OFA_MDT_099LTP

4.23.1 Pressure vs. Time Plot



4.24 OFA_MDT_102LTP

4.24.1 Pressure vs. Time Plot

Pressure vs. Time Plot

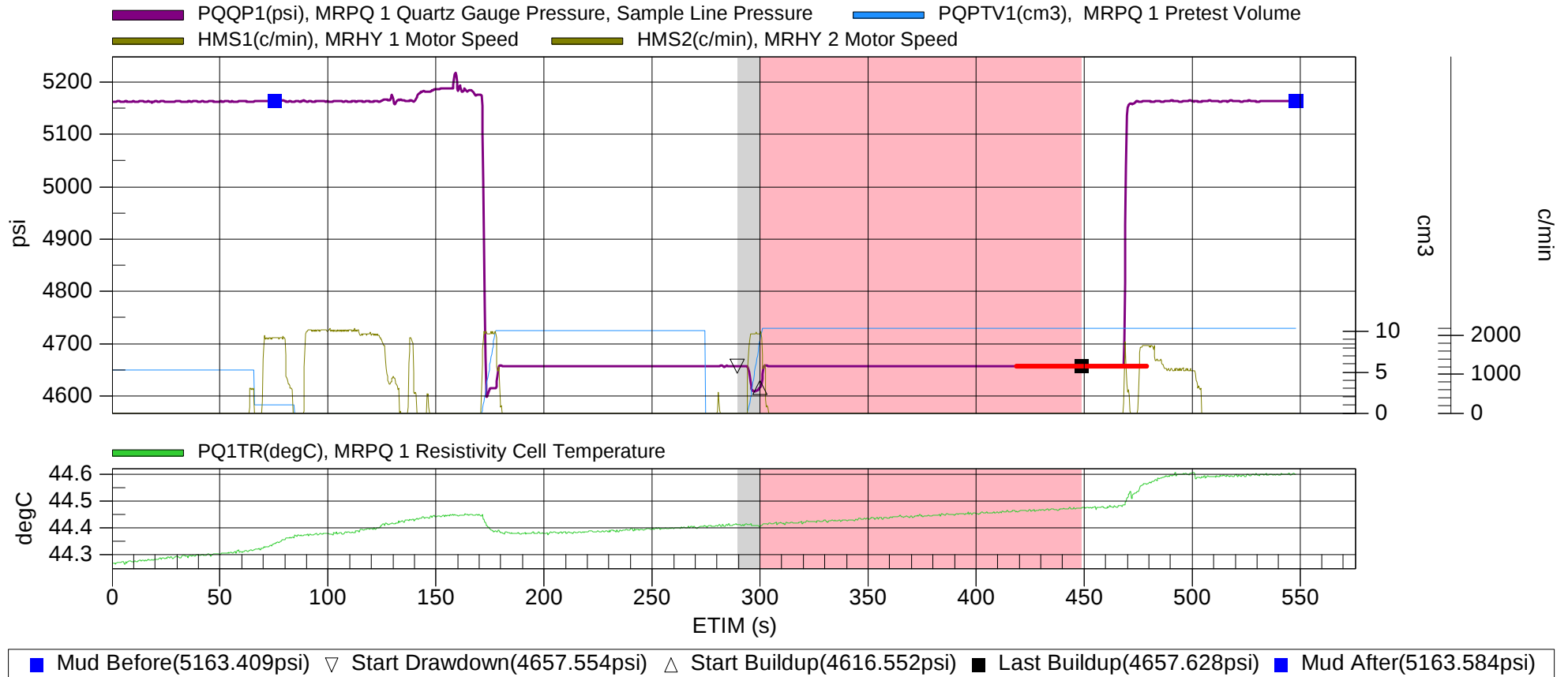
Run No:4 Test No:50 Probe MD:3200.46m Probe TVD:3200.46m
JAMSTEC

13-SEP-2012

OFA_MDT_102LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 4657.628 (psi)
Mud Pressure After: 5163.584 (psi)
Pretest Rate: 0.85 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 57.07 (mD/cP)
Temperature Before: 44.34 (degC)
Pretest Volume: 8.93 (cm3)

Pretest Status: Valid Test
Formation Pressure: 4657.628 (psi)
Mud Pressure Before: 5163.409 (psi)
Temperature After: 44.6 (degC)
Comments:

4.25 OFA_MDT_103LTP

4.25.1 Pressure vs. Time Plot

Pressure vs. Time Plot

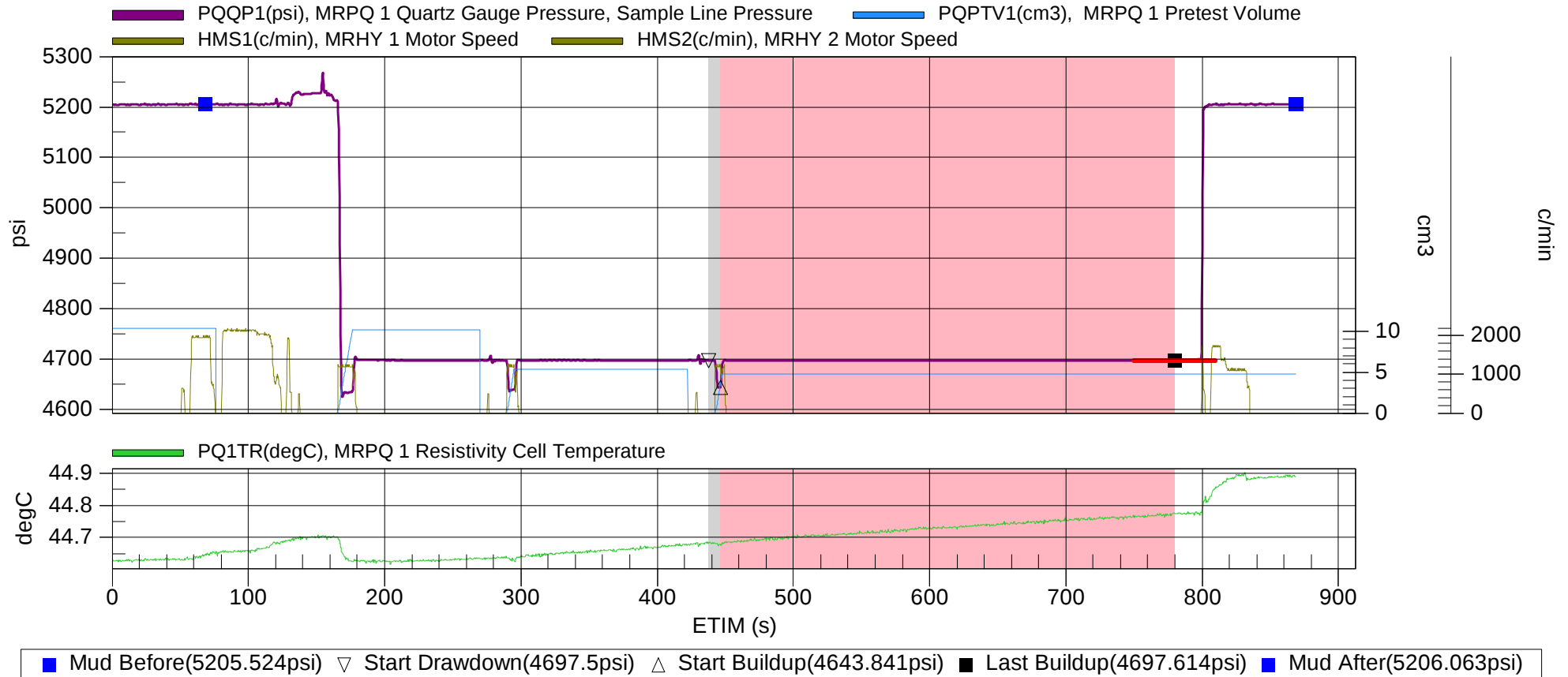
Run No:4 Test No:53 Probe MD:3227.01m Probe TVD:3227.01m
JAMSTEC

13-SEP-2012

OFA_MDT_103LTP

C0020

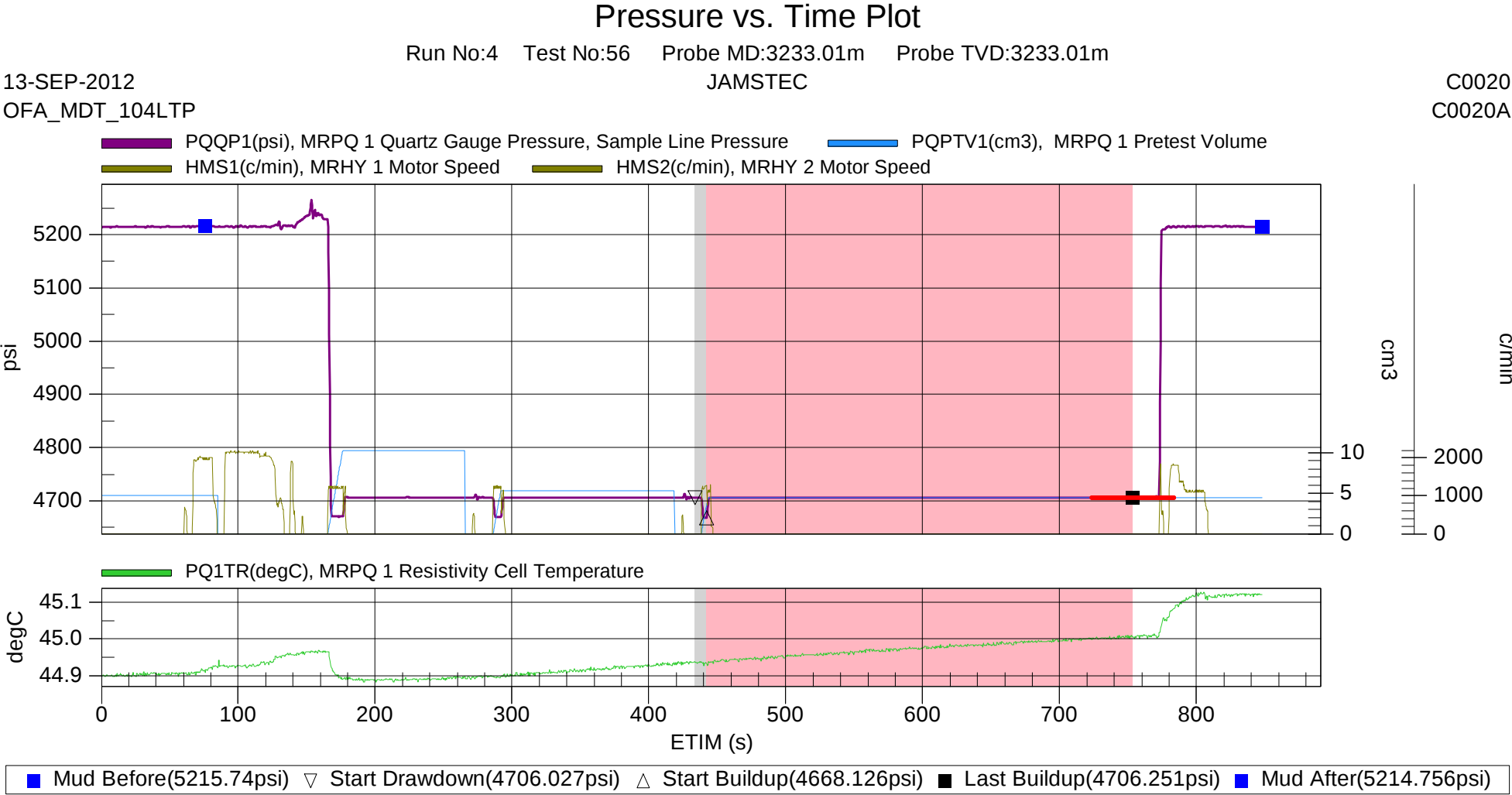
C0020A



Tool Type:	MDT	Pretest Type:	Volumetric Drawdown Pretest	Pretest Status:	Valid Test
Packer/Probe Type:	XLarge-Diameter probe	Primary Gauge:	PQQP1	Formation Pressure:	4697.614 (psi)
Last Read Buildup Pressure :	4697.614 (psi)	Drawdown Mobility:	26.08 (mD/cP)	Mud Pressure Before:	5205.524 (psi)
Mud Pressure After:	5206.062 (psi)	Temperature Before:	44.65 (degC)	Temperature After:	44.89 (degC)
Pretest Rate:	0.41 (cm3/s)	Pretest Volume:	3.43 (cm3)	Comments:	

4.26 OFA_MDT_104LTP

4.26.1 Pressure vs. Time Plot



Tool Type:	MDT	Pretest Type:	Volumetric Drawdown Pretest	Pretest Status:	Valid Test
Packer/Probe Type:	XLarge-Diameter probe	Primary Gauge:	PQQP1	Formation Pressure:	4706.251 (psi)
Last Read Buildup Pressure :	4706.251 (psi)	Drawdown Mobility:	35.46 (mD/cP)	Mud Pressure Before:	5215.74 (psi)
Mud Pressure After:	5214.756 (psi)	Temperature Before:	44.91 (degC)	Temperature After:	45.12 (degC)
Pretest Rate:	0.42 (cm3/s)	Pretest Volume:	3.5 (cm3)	Comments:	

4.27 OFA_MDT_105LTP

4.27.1 Pressure vs. Time Plot

Pressure vs. Time Plot

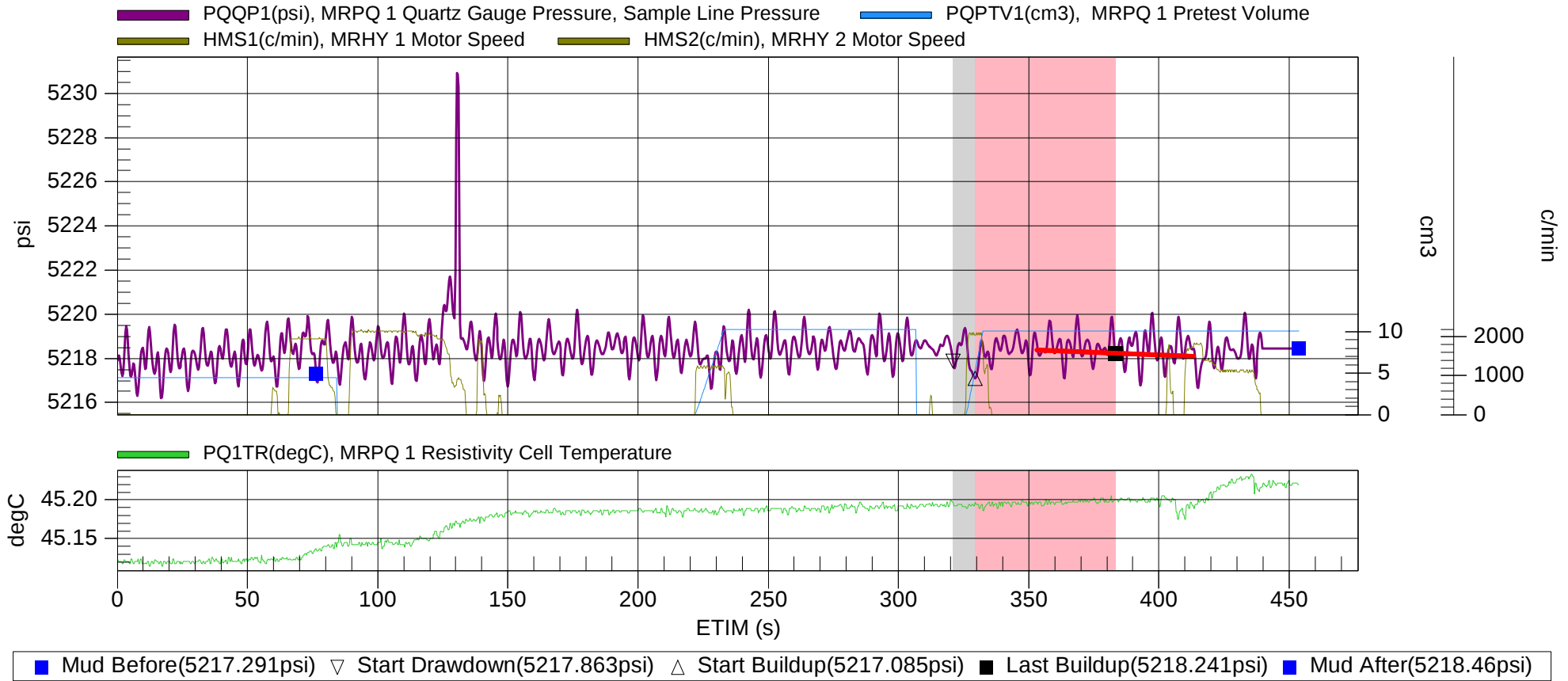
Run No:4 Test No:58 Probe MD:3235.02m Probe TVD:3235.02m
JAMSTEC

13-SEP-2012

OFA_MDT_105LTP

C0020

C0020A



Tool Type:	MDT	Pretest Type:	Volumetric Drawdown Pretest	Pretest Status:	Lost Seal
Packer/Probe Type:	XLarge-Diameter probe	Primary Gauge:	PQQP1	Formation Pressure:	
Last Read Buildup Pressure :	5218.241 (psi)	Drawdown Mobility:		Mud Pressure Before:	5217.291 (psi)
Mud Pressure After:	5218.46 (psi)	Temperature Before:	45.14 (degC)	Temperature After:	45.22 (degC)
Pretest Rate:	0.64 (cm3/s)	Pretest Volume:	5.41 (cm3)	Comments:	

4.28 OFA_MDT_112LTP

4.28.1 Pressure vs. Time Plot

Pressure vs. Time Plot

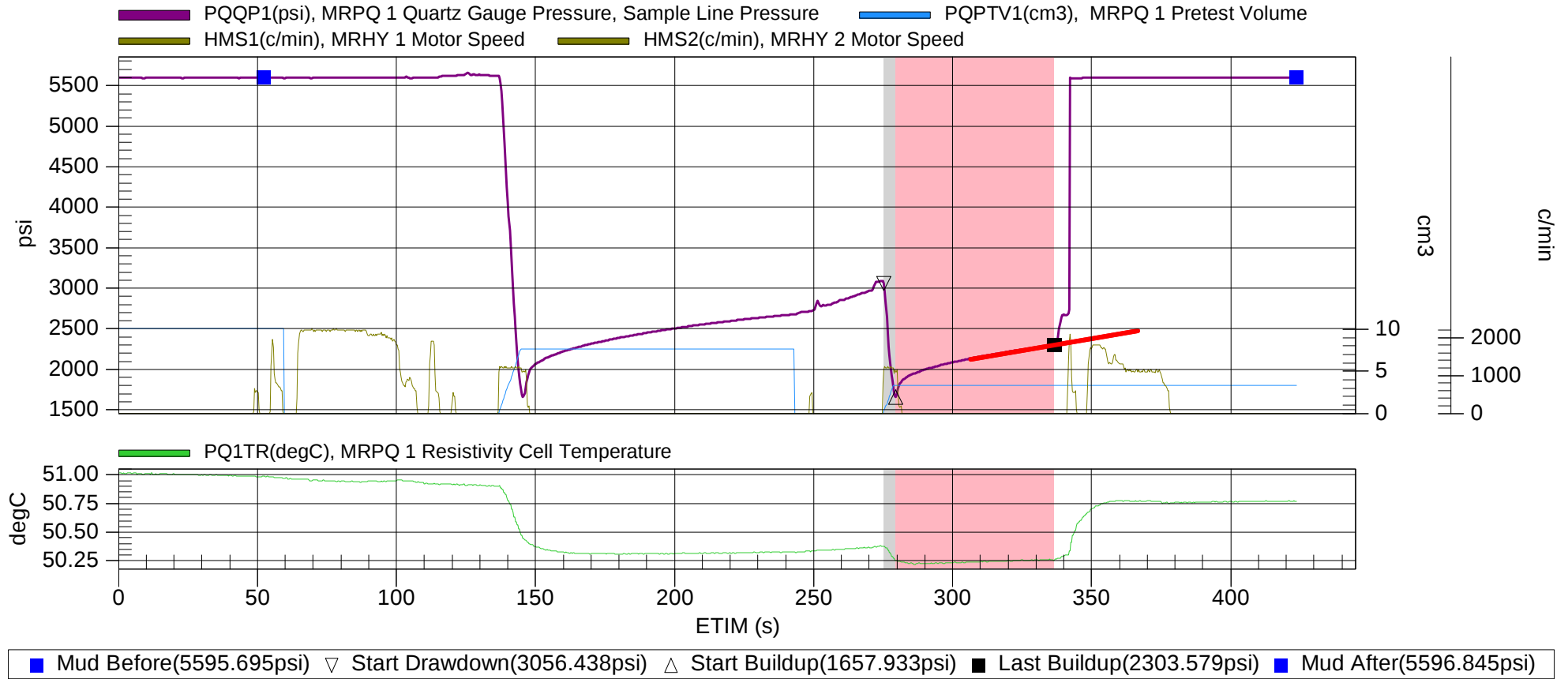
Run No:4 Test No:60 Probe MD:3473.45m Probe TVD:3473.45m
JAMSTEC

13-SEP-2012

OFA_MDT_112LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 2303.579 (psi)
Mud Pressure After: 5596.845 (psi)
Pretest Rate: 0.72 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility:
Temperature Before: 50.99 (degC)
Pretest Volume: 3.04 (cm3)

Pretest Status: Tight Test
Formation Pressure:
Mud Pressure Before: 5595.695 (psi)
Temperature After: 50.77 (degC)
Comments:

4.29 OFA_MDT_113LTP

4.29.1 Pressure vs. Time Plot

Pressure vs. Time Plot

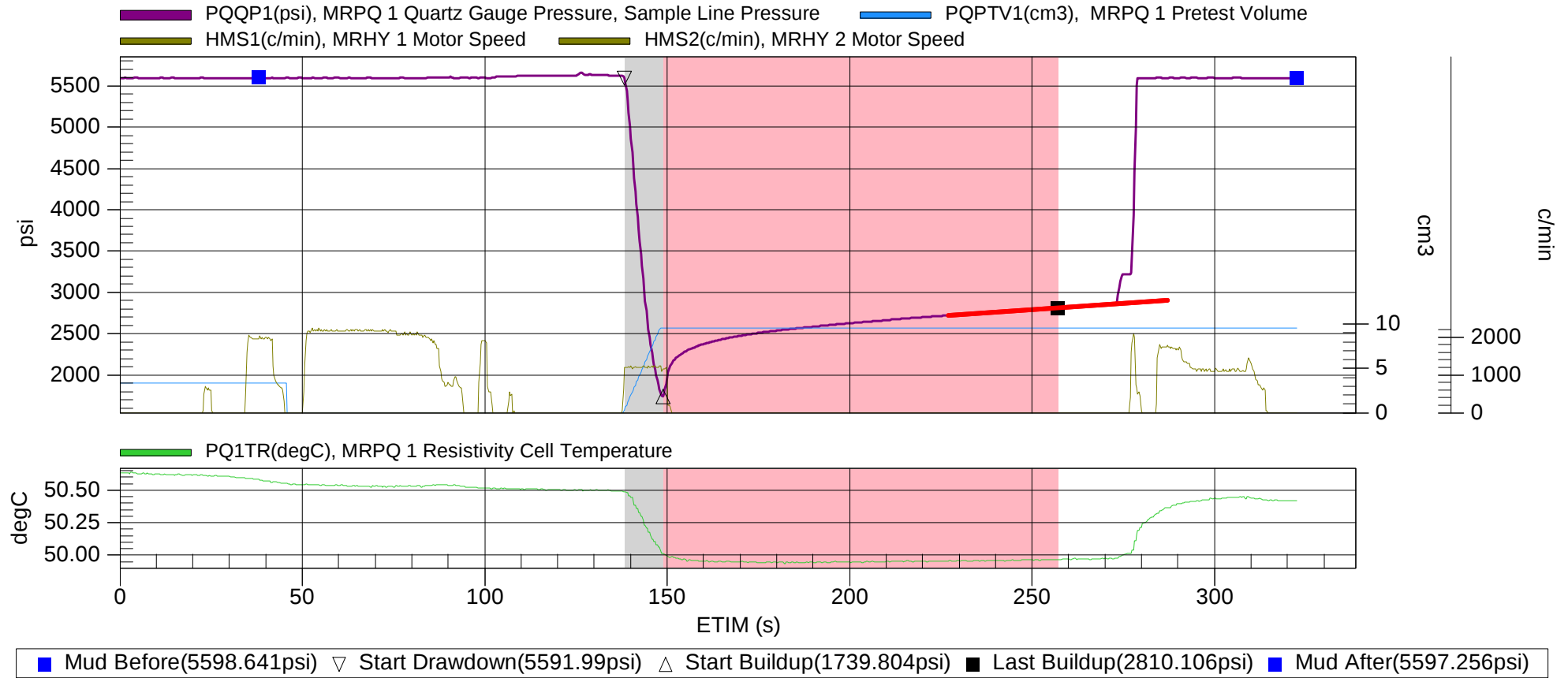
Run No:4 Test No:61 Probe MD:3473.79m Probe TVD:3473.79m
JAMSTEC

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OFA_MDT_113LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 2810.106 (psi)
Mud Pressure After: 5597.256 (psi)
Pretest Rate: 0.88 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 0.25 (mD/cP)
Temperature Before: 50.58 (degC)
Pretest Volume: 9.28 (cm3)

Pretest Status: Valid Test
Formation Pressure: 2810.106 (psi)
Mud Pressure Before: 5598.641 (psi)
Temperature After: 50.42 (degC)
Comments:

4.30 OFA_MDT_114LTP

4.30.1 Pressure vs. Time Plot

Pressure vs. Time Plot

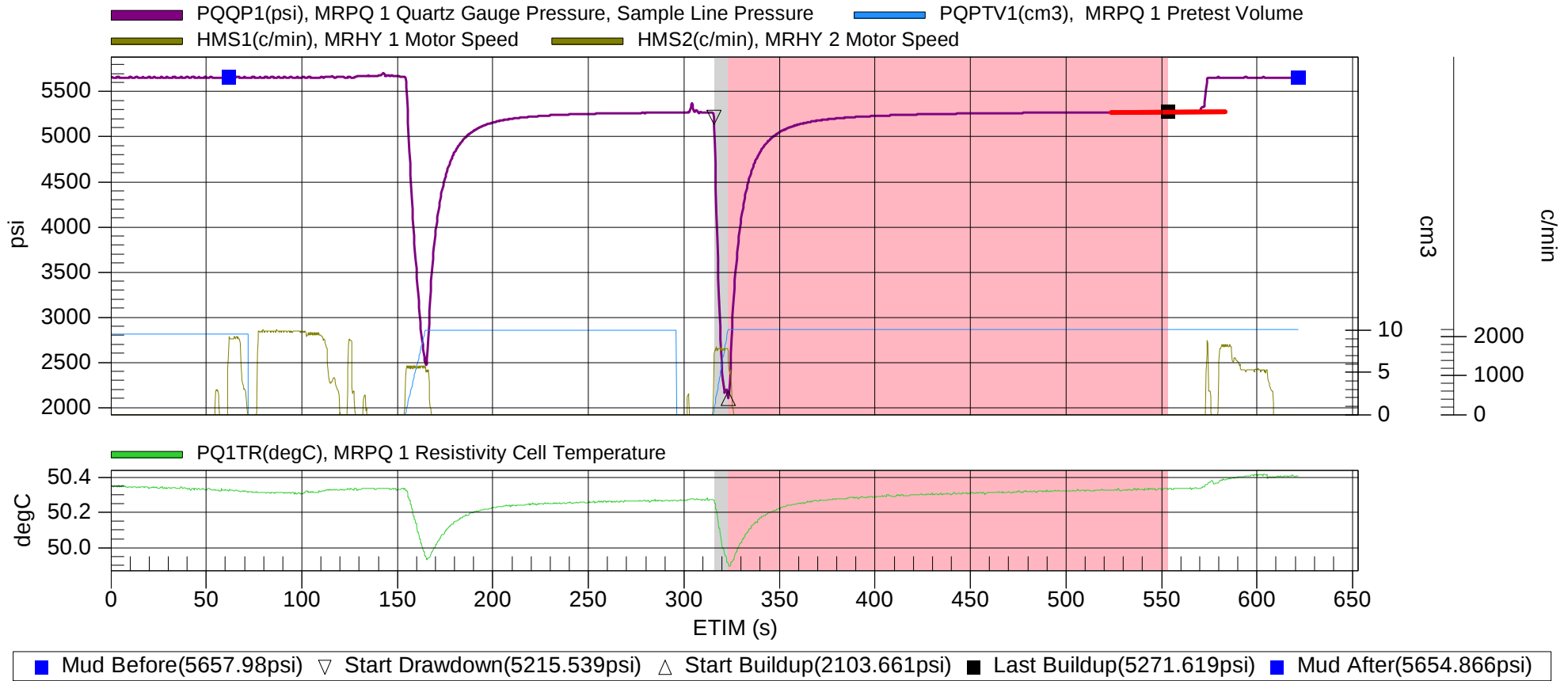
Run No:4 Test No:63 Probe MD:3510.46m Probe TVD:3510.46m
JAMSTEC

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OFA_MDT_114LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 5271.619 (psi)
Mud Pressure After: 5654.866 (psi)
Pretest Rate: 1.24 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 0.34 (mD/cP)
Temperature Before: 50.33 (degC)
Pretest Volume: 9.67 (cm3)

Pretest Status: Valid Test
Formation Pressure: 5271.619 (psi)
Mud Pressure Before: 5657.98 (psi)
Temperature After: 50.41 (degC)
Comments:

4.31 OFA_MDT_115LTP

4.31.1 Pressure vs. Time Plot

Pressure vs. Time Plot

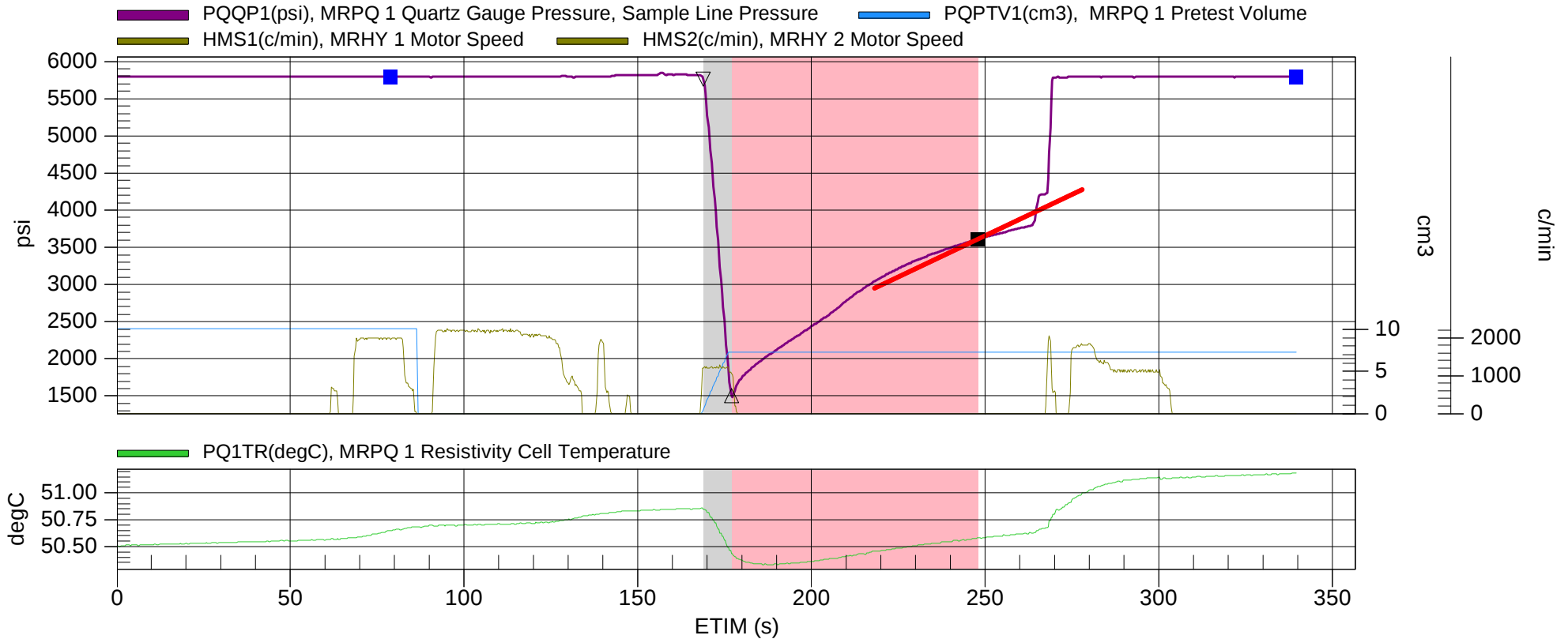
Run No:4 Test No:64 Probe MD:3594.98m Probe TVD:3594.98m
JAMSTEC

13-SEP-2012

OFA_MDT_115LTP

C0020

C0020A



■ Mud Before(5791.566psi) ▽ Start Drawdown(5757.821psi) △ Start Buildup(1500.949psi) ■ Last Buildup(3610.038psi) ■ Mud After(5791.357psi)

Tool Type:	MDT	Pretest Type:	Volumetric Drawdown Pretest	Pretest Status:	Valid Test
Packer/Probe Type:	XLarge-Diameter probe	Primary Gauge:	PQQP1	Formation Pressure:	3610.038 (psi)
Last Read Buildup Pressure :	3610.038 (psi)	Drawdown Mobility:	0.08 (mD/cP)	Mud Pressure Before:	5791.566 (psi)
Mud Pressure After:	5791.357 (psi)	Temperature Before:	50.65 (degC)	Temperature After:	51.18 (degC)
Pretest Rate:	0.84 (cm3/s)	Pretest Volume:	6.8 (cm3)	Comments:	

4.32 OFA_MDT_116LTP

4.32.1 Pressure vs. Time Plot

Pressure vs. Time Plot

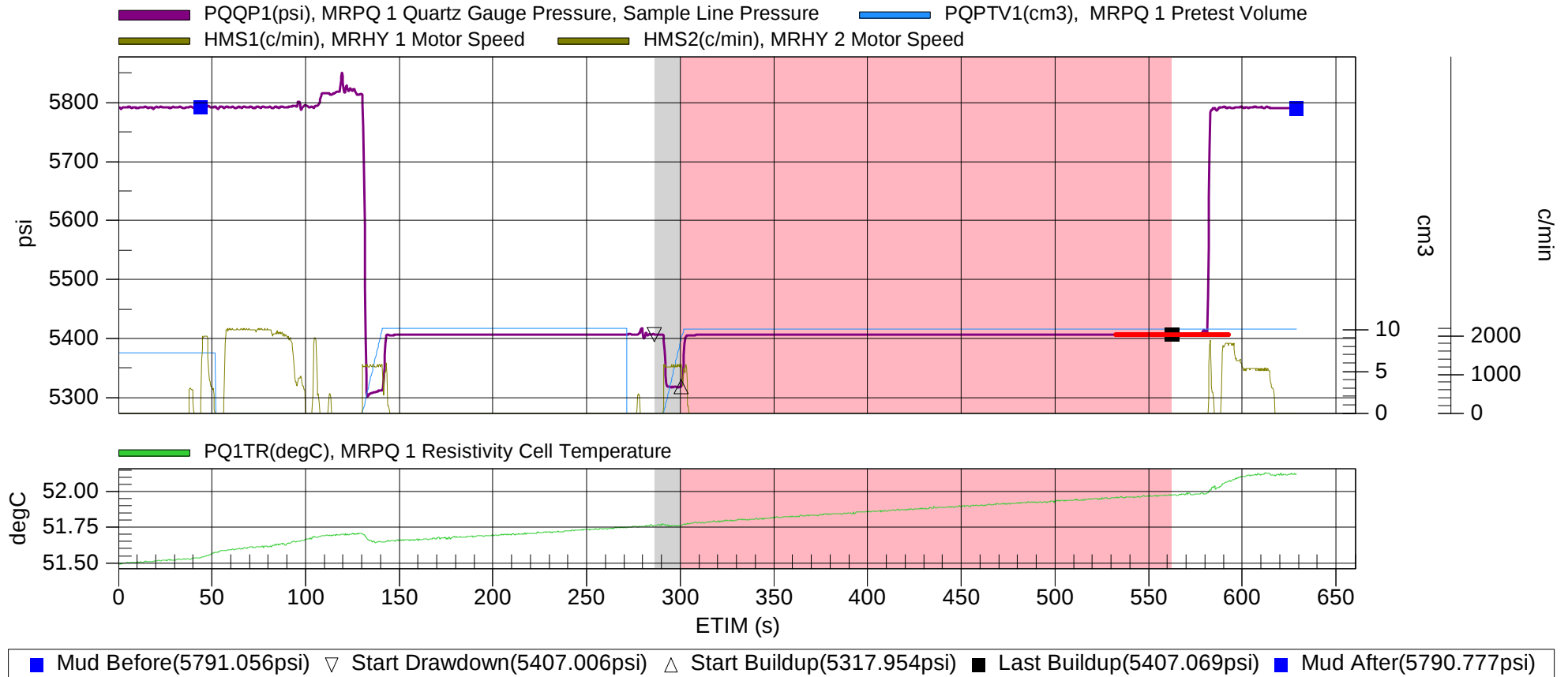
Run No:4 Test No:66 Probe MD:3595.3m Probe TVD:3595.3m
JAMSTEC

13-SEP-2012

OFA_MDT_116LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 5407.069 (psi)
Mud Pressure After: 5790.777 (psi)
Pretest Rate: 0.63 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 16.78 (mD/cP)
Temperature Before: 51.54 (degC)
Pretest Volume: 9.09 (cm3)

Pretest Status: Valid Test
Formation Pressure: 5407.069 (psi)
Mud Pressure Before: 5791.056 (psi)
Temperature After: 52.12 (degC)
Comments:

4.33 OFA_MDT_117LTP

4.33.1 Pressure vs. Time Plot

Pressure vs. Time Plot

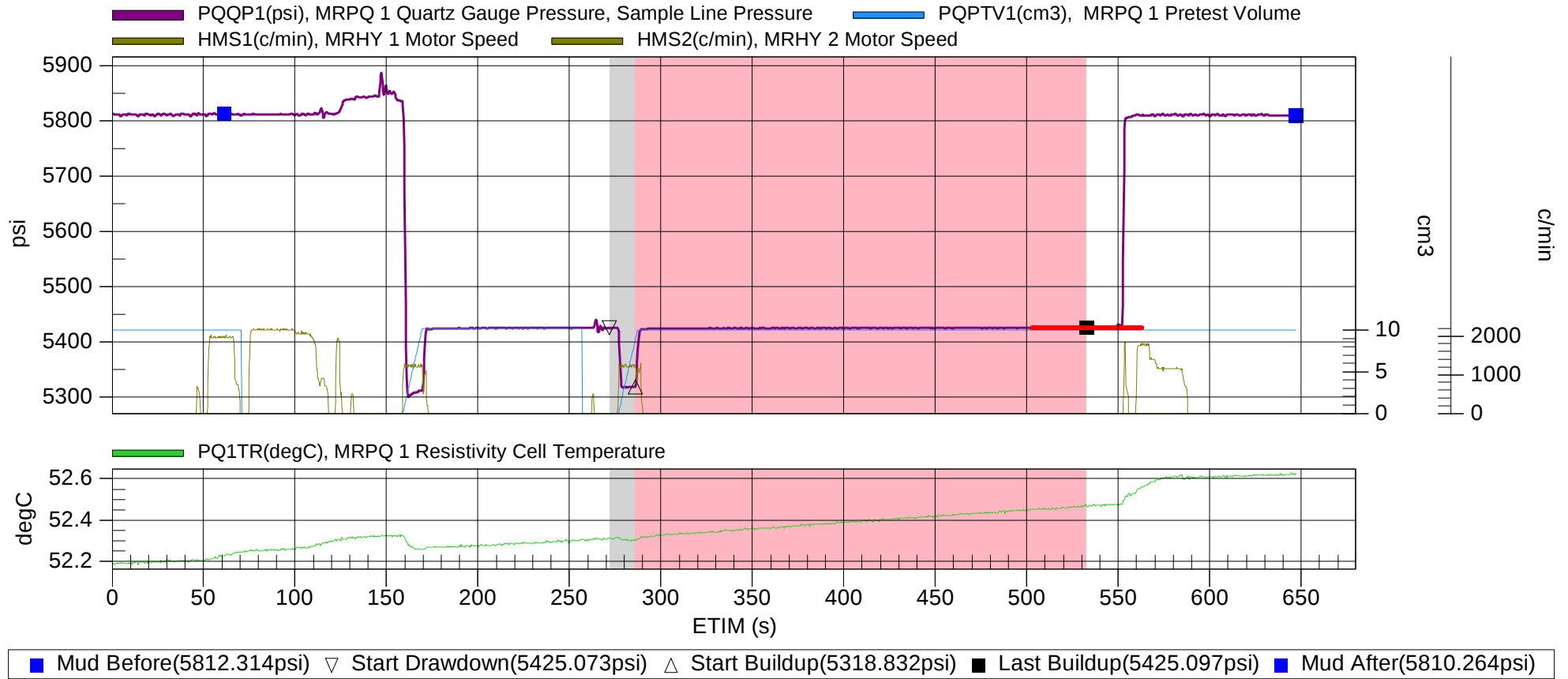
Run No:4 Test No:68 Probe MD:3607.47m Probe TVD:3607.47m
JAMSTEC

13-SEP-2012

OFA_MDT_117LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 5425.097 (psi)
Mud Pressure After: 5810.264 (psi)
Pretest Rate: 0.63 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 14.03 (mD/cP)
Temperature Before: 52.23 (degC)
Pretest Volume: 9.09 (cm3)

Pretest Status: Valid Test
Formation Pressure: 5425.097 (psi)
Mud Pressure Before: 5812.314 (psi)
Temperature After: 52.63 (degC)
Comments:

4.34 OFA_MDT_118LTP

4.34.1 Pressure vs. Time Plot

Pressure vs. Time Plot

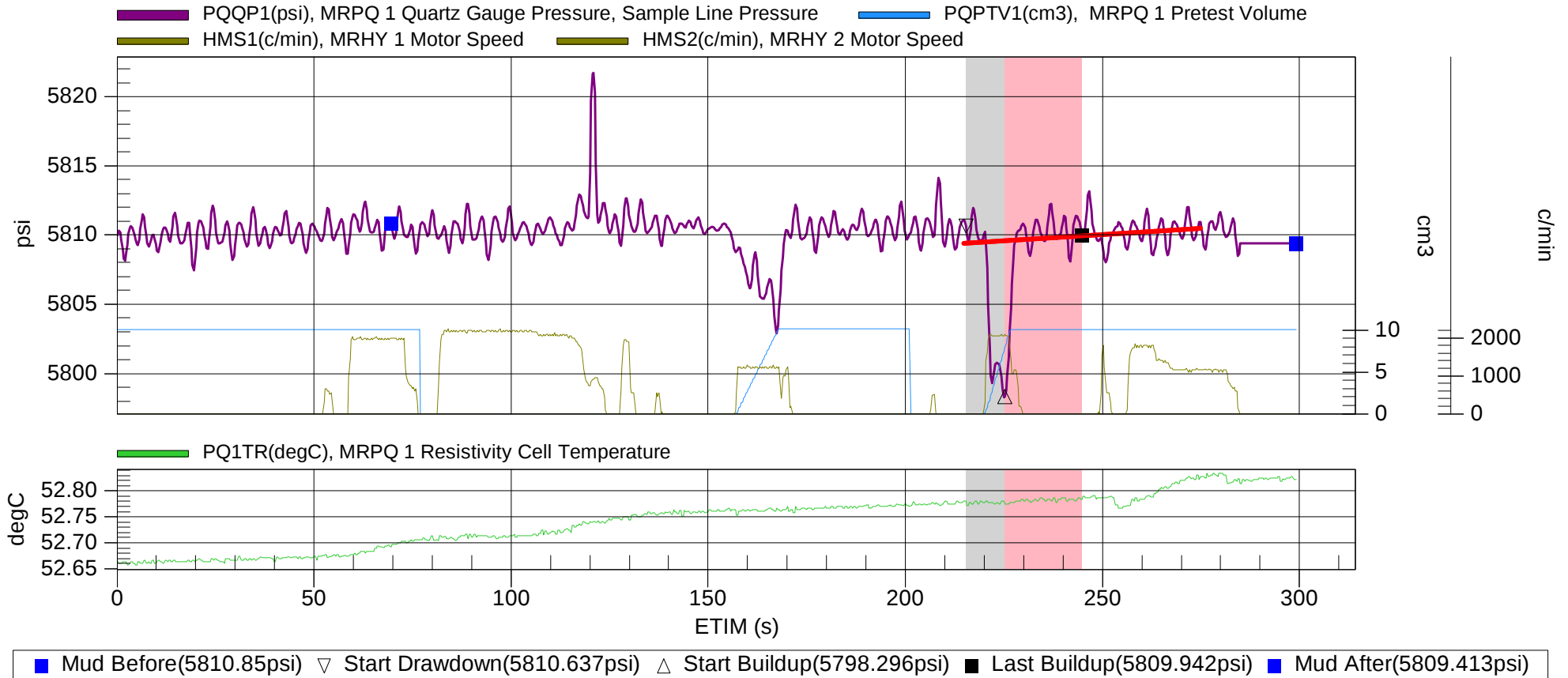
Run No:4 Test No:70 Probe MD:3606.99m Probe TVD:3606.99m
JAMSTEC

13-SEP-2012

OFA_MDT_118LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 5809.942 (psi)
Mud Pressure After: 5809.413 (psi)
Pretest Rate: 0.81 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility:
Temperature Before: 52.69 (degC)
Pretest Volume: 8.02 (cm3)

Pretest Status: Lost Seal
Formation Pressure:
Mud Pressure Before: 5810.85 (psi)
Temperature After: 52.82 (degC)
Comments:

4.35 OFA_MDT_119LTP

4.35.1 Pressure vs. Time Plot

Pressure vs. Time Plot

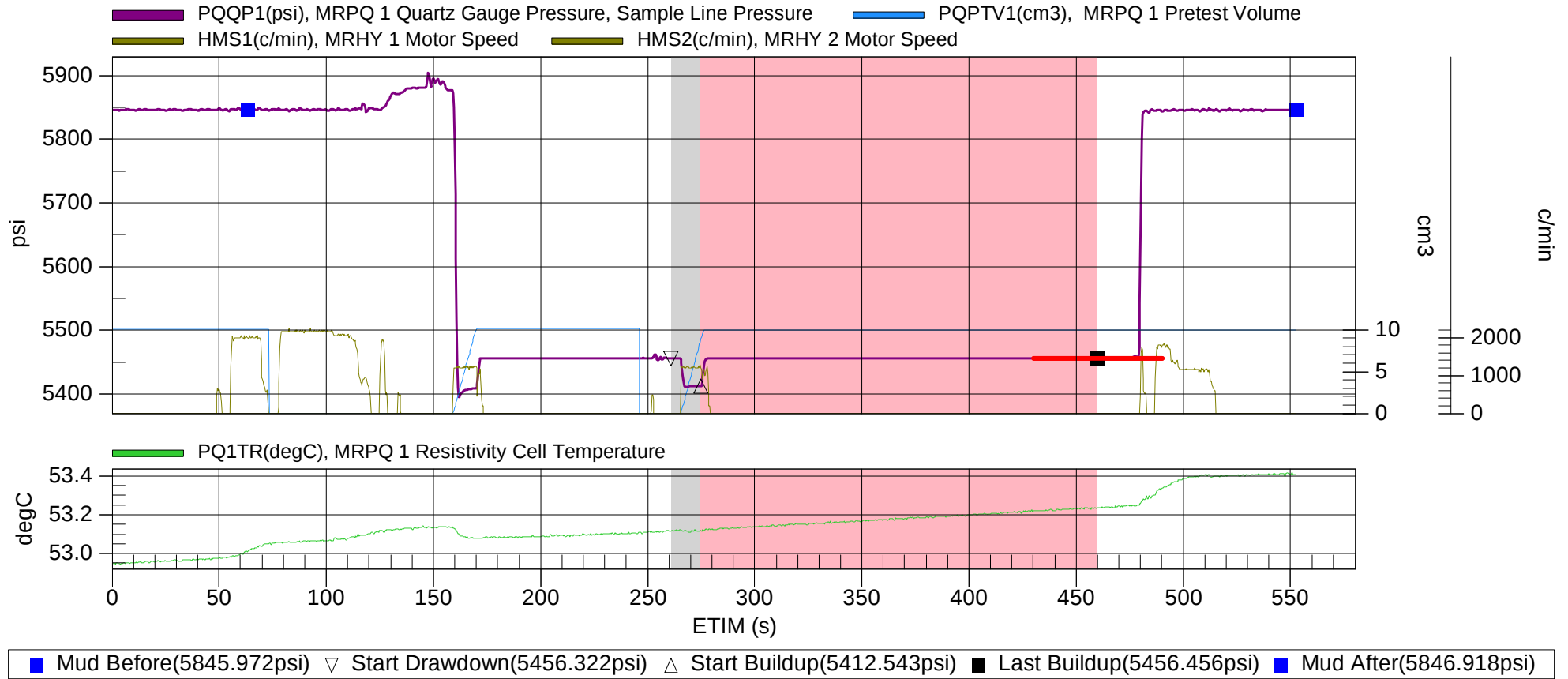
Run No:4 Test No:72 Probe MD:3629.53m Probe TVD:3629.53m
JAMSTEC

13-SEP-2012

OFA_MDT_119LTP

C0020

C0020A



Tool Type: MDT
Packer/Probe Type: XLarge-Diameter probe
Last Read Buildup Pressure : 5456.456 (psi)
Mud Pressure After: 5846.918 (psi)
Pretest Rate: 0.63 (cm3/s)

Pretest Type: Volumetric Drawdown Pretest
Primary Gauge: PQQP1
Drawdown Mobility: 33.63 (mD/cP)
Temperature Before: 53.01 (degC)
Pretest Volume: 8.88 (cm3)

Pretest Status: Valid Test
Formation Pressure: 5456.456 (psi)
Mud Pressure Before: 5845.972 (psi)
Temperature After: 53.41 (degC)
Comments:

5 Correlation Log

5.1 CORRELATION_EDTCB_069

[CORRELATION_EDTCB_069](#)

5.2 CORRELATION_EDTCB_076

[CORRELATION_EDTCB_076](#)