Schlumberger

Company: PETRO-CANADA
Well: PETRO-CANADA BLACKWATER KWIJIKA M-59
Field: KWIJIKA
County: NORTHWEST TERRITORIES *** MD ***

County: NORTHWEST TERRITORIES
Field: KWIJIKA
Location: LSD: M-59
Well: PETRO-CANADA BLACKWATER KWIJIKA M
Company: PETRO-CANADA

MODULAR FORMATION DYNAMICS TESTER
PC-MS-LFA-PO-PA-HY-PS

N E B COPY

LSD: M-59		Elev.:	K.B. 252.1 m
UWID: 300M596440122300			G.L. 245.9 m
			D.F. 251.8 m
Permanent Datum:	GROUND LEVEL	Elev.:	245.9 m
Log Measured From:	KELLY BUSHING	6.2 m	above Perm. Datum
Drilling Measured From:	KELLY BUSHING		

LOCATION

API Serial No.	Section	Township	Range
1165			

	Run 1	Run 2	Run 3	Run 4
Logging Date	5-Mar-2008			
Run Number	ONE			
Depth Driller	1640 m			
Schlumberger Depth	1641 m			
Bottom Log Interval	1625.3 m			
Top Log Interval	1198 m			
Casing Driller Size @ Depth	0.000 mm @ 1198 m	@		
Casing Schlumberger	1198 m			
Bit Size	203.200 mm			
Type Fluid In Hole	KCL POLYMER			
MUD Density / Viscosity	1315 kg/m3 / 58 s			
MUD Fluid Loss / PH	6.5 cm3 / 11.5			
MUD Source Of Sample	FLOWLINE			
RM @ Measured Temperature	0.048 ohm.m @ 15 degC	@		
RMF @ Measured Temperature	0.044 ohm.m @ 15 degC	@		
RMC @ Measured Temperature	0.103 ohm.m @ 17 degC	@		
Source RMF / RMC	PRESSED / PRESSED			
RM @ MRT / RMF @ MRT	0.032 @ 34 / 0.029 @ 34	@ / @	@ / @	@ / @
Maximum Recorded Temperatures	34 degC /			
Circulation Stopped / Time	4-Mar-2008 / 12:15			
Logger On Bottom / Time	5-Mar-2008 / 18:00			
Unit Number / Location	4301 / NORMAN WELLS			
Recorded By	J.ROLLINGS/R. JACOBS/G. PROPERZI			
Witnessed By	G. TIMMONS / G. DEON			

DEPTH SUMMARY LISTING

Date Created: 5-MAR-2008 11:43:21

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	7-46A XXS
Serial Number:	6423	Serial Number:	2565	Serial Number:	6199
Calibration Date:	15-FEB-2008	Calibration Date:	15-FEB-2008	Length:	7800.14 M
Calibrator Serial Number:	4	Calibrator Serial Number:	-999	Conveyance Method:	Wireline
Calibration Cable Type:	7-46P	Calibration Gain:	0.88	Rig Type:	LAND
Wheel Correction 1:	-4	Calibration Offset:	336.00		
Wheel Correction 2:	-5				

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	PLATFORM EXPRESS COMPENSATED NEUTRON DUAL LITHOLOGY DENSITY LOG
Reference Log Run Number:	ONE
Reference Log Date:	23-FEB-2008
Subsequent Trip Down Log Correction:	1.40 M

Depth Control Remarks

1. IDW IS PRIMARY DEPTH MEASUREMENT
2. Z-CHART USED AS A SECONDARY DEPTH MEASUREMENTS
3. MAIN PASS TIED INTO PREVIOUS RUN AS PER SLB DEPTH CONTROL PROCEDURES
4.
5.
6.

DISCLAIMER
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OTHER SERVICES1	OTHER SERVICES2
OS1: PEX-HRLA-TLD2-CMR-ML	OS1:
OS2: MSCT	OS2:
OS3: FMI-DSI-HNGS-EMS	OS3:
OS4: MDT	OS4:
OS5: VSP	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
TOOL AS PER TOOL SKETCH	
PC-MS-LFA-PO-PA-HY-PS	
GAMMA RAY FOR CORRELATION PURPOSES ONLY	
PRETESTS CONDUCTED WITH LARGE DIAMETER PROBE	
ALL POINTS AS PER CLIENT REQUEST	
SEE SUMMARY FOR PRESSURE DETAILS	
CORRELATED TO PLATFORM EXPRESS COMPENSATED NEUTRON	
LITHOLOGY DENSITY LOG DATED 4-MAR-2008 FILE NUMBER 10	
RIG: AKITA 51	
CREW: BILLY LIM, LARRY DUDUS	

RUN 1		RUN 2	
SERVICE ORDER #:	11958996	SERVICE ORDER #:	
PROGRAM VERSION:	14C0-302	PROGRAM VERSION:	
FLUID LEVEL:		FLUID LEVEL:	

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

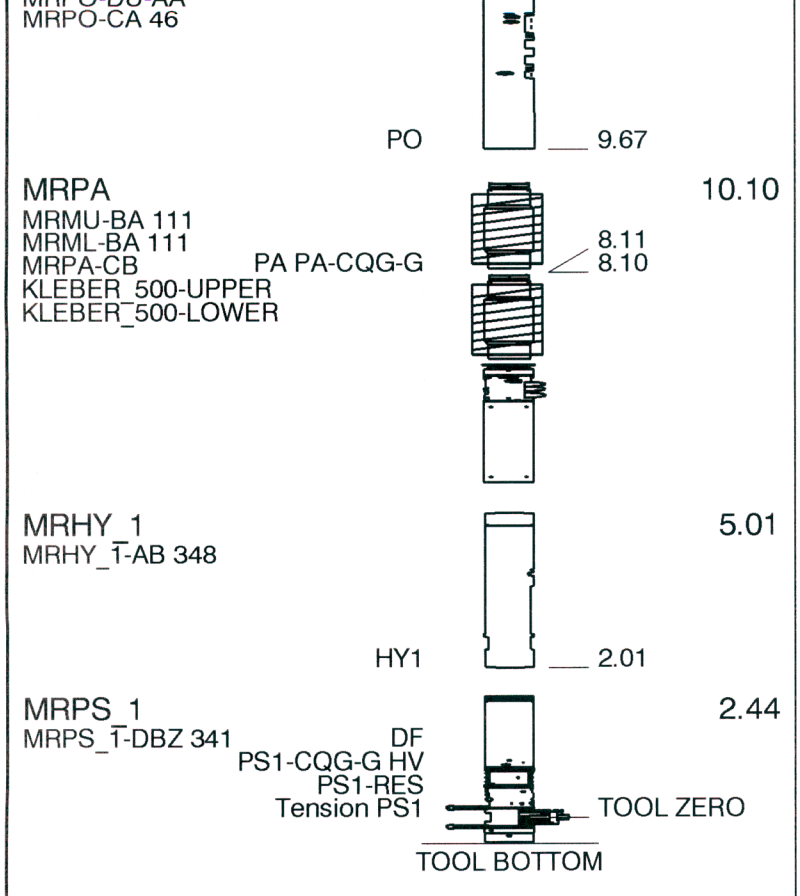
RUN 1 | RUN 2

SURFACE EQUIPMENT

MRPP-AA 324
GSR-U/Y 11
WITM (DTS)-A

DOWNHOLE EQUIPMENT

LEH-QT 2657 LEH-QT 2657			25.13
DTC-H ECH-KC 10485	CTEM TelStatus ToolStatu	23.53 22.89	24.24
SGT-N SGH-K 3169 SGC-TB 10388 SGD-TAB 10388	Gamma Ray	22.61	23.32
DTA-A ECH-KE DTA-A			21.65
MRPC MRPC-BB	PC	18.48	20.43
MRMS_1 BOTT_6-AA 2690 BOTT_5-AA 1810 BOTT_4-AA 2568 BOTT_3-AA 2519 BOTT_2-AA 2864 BOTT_1-AA 1688 MRMS_1-BA 164	MS1	14.46	18.91
LFA MRFA-EA 8298	FA-BA	12.91	14.89
MRPO MRPO-DU-AA			13.34



MAXIMUM STRING DIAMETER 127 MM
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client:	**PETRO-CANADA**	**Tool:**	**MRPS_1-**
Field:	**KWIJIKA**	**Probe Type:**	**Conventional probe**
Well:	**PETRO-CANADA BLACKWATER KWIJIKA M-59**	**Gauge:**	**BQP1**
Run date:	**5-Mar-2008**	**Gauge Resolution:**	**0.010 psi**

Test	File	Depth M	TVD M	Drawdown Mobility MD/CP	Mud Pressure Before KPAA	Mud Pressure After KPAA	Last read build-up Pres KPAA	Formation Pressure KPAA	Test Type
2	49	1155.03	1155.03		15419.91	15418.57	275.38	275.38	CASING CHECK
4	56	1562.50	1562.50		20784.11	20782.27	269.10		Dry Test
6	57	1535.51	1535.51	0.15	20430.74	20428.96	15261.57	15261.57	Volumetric Pretest
9	58	1563.01	1563.01		20789.34	20789.13	208.50		Dry Test
10	59	1521.31	1521.31		20243.53	20242.93	204.52		Dry Test
12	60	1519.30	1519.30		20217.54	20216.96	190.53		Dry Test
13	61	1515.63	1515.63		20168.77	20169.02	207.51		Dry Test
19	63	1515.04	1515.04	0.13	20162.32	20162.70	15017.22	15017.22	Volumetric Pretest
-1	64	1503.56	1503.56		20010.04	14879.19			Volumetric Pretest
23	65	1501.23	1501.23	8.36	19978.96	19978.69	14851.77	14851.77	Volumetric Pretest
24	66	1501.23	1501.23	7.57	19978.36	19971.38	14851.88	14851.88	Volumetric Pretest
25	67	1499.09	1499.09		19943.88	19945.81	689.31		TIGHT
27	68	1455.71	1455.71	1.70	19371.95	19371.77	14366.23	14366.23	Volumetric Pretest
29	69	1454.11	1454.11	0.81	19352.11	19352.69	14357.82	14357.82	Volumetric Pretest

Output DLIS Files

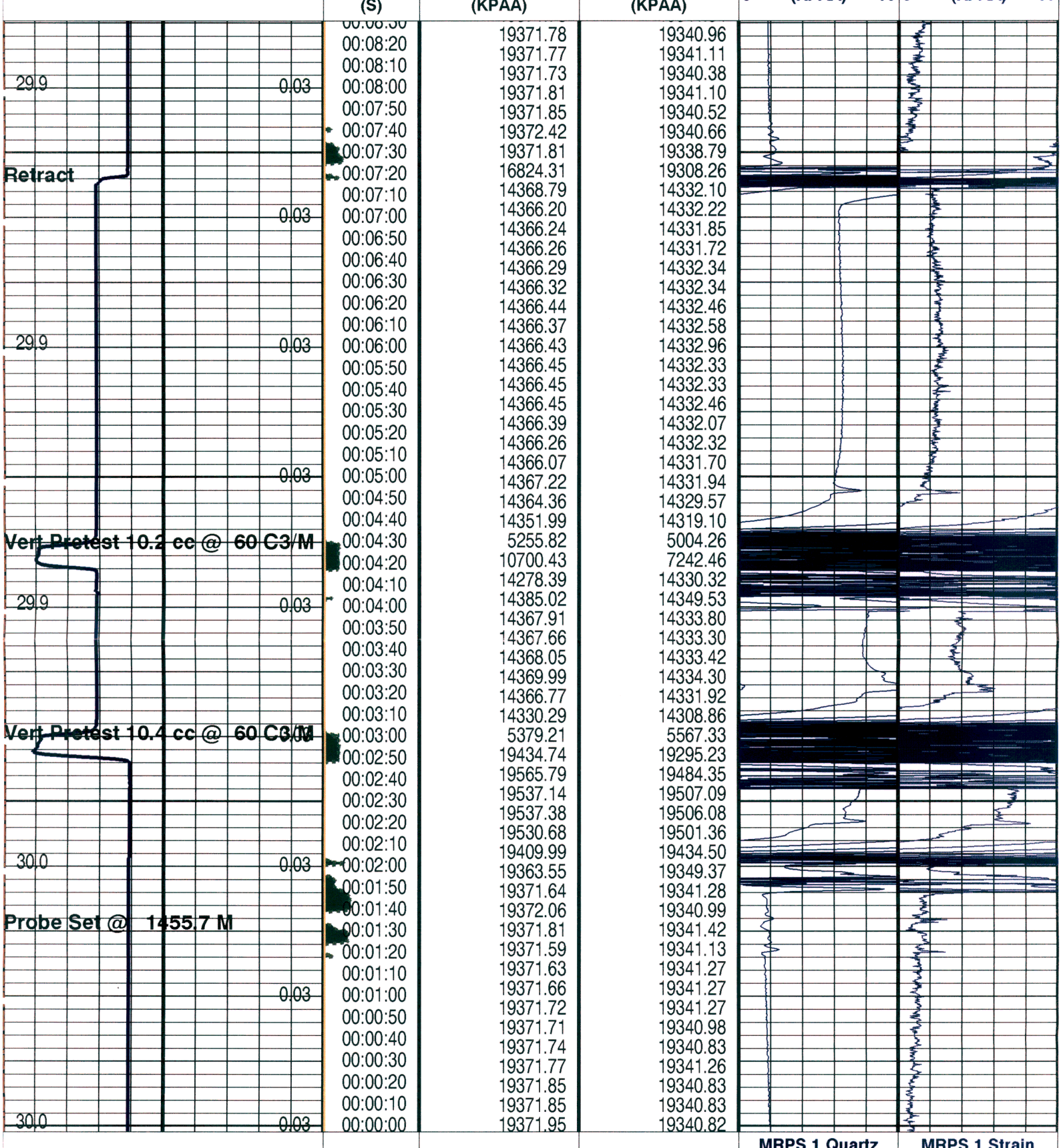
DEFAULT	MDT_OFA_068LTP	FN:90	PRODUCER	06-Mar-2008 01:11	1455.7 M	1.3 M

Elapsed Time (s)	Event Summary
442.5	Retract Single Probe Module (MRPS) 1
254.7	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
165.6	Vert Pretest 10.4 cc @ 60 C3/M Single Probe Module (MRPS) 1
96.9	Probe Set @ 1455.7 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000
MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000
MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000
MRHY 1 Motor Speed (HMS1) (RPM) 0 8000
MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)
MRPO Solenoid 3 Status (POS3) 5 (----) 0



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 06-Mar-2008 01:11

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

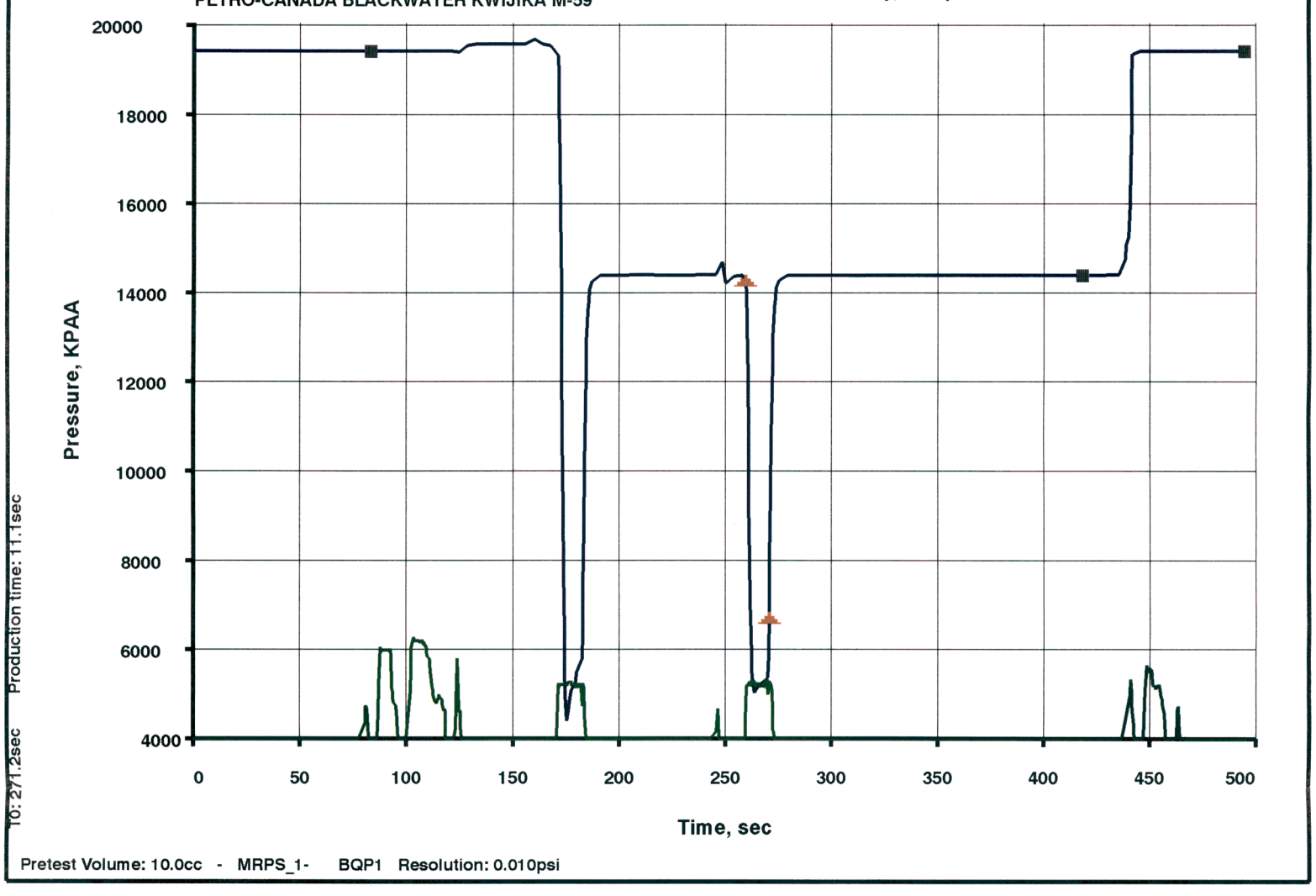
Output DLIS Files

DEFAULT MDT_OFA_068LTP FN:90 PRODUCER 06-Mar-2008 01:11

File 68 Depth, M: 1455.71
5-Mar-2008 PETRO-CANADA
KWIJIKA
PETRO-CANADA BLACKWATER KWIJIKA M-59

Volumetric Pretest - Large-Diameter probe

Mud Pressure before test, KPAA:	19371.95
Mud Pressure after test, KPAA:	19371.77
Last build-up pressure, KPAA:	14366.23
Draw-down mobility, md/cp:	1.7



Pretest Volume: 10.0cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT MDT_OFA_067LTP FN:89 PRODUCER 06-Mar-2008 00:53 1499.1 M 1.8 M

Elapsed Time (s)	Event Summary
699.6	Initialize MDT Multi-Sample (MRMS) 1
660.3	Retract Single Probe Module (MRPS) 1
180.9	Vert Pretest 10.4 cc @ 60 C3/M Single Probe Module (MRPS) 1
121.5	Probe Set @ 1499.1 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV)	MRPS 1 Flowline Fluid Resistivity (BFR1)
0 (C3) 10000	0 (OHMM) 25

MRPS 1 Quartz Gauge Pressure (BQP1)
0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP)
0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM)
0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3)
5 (----) 0

<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
30.2 0.03	00:12:00	19945.80	19913.42		
	00:11:50	19945.79	19913.42		
Initialize	00:11:40	19945.79	19913.56		
	00:11:30	19945.96	19912.98		
	00:11:20	19946.34	19912.83		
	00:11:10	19946.97	19911.23		
Retract 0.03	00:11:00	19948.95	19907.87		
	00:10:50	931.47	865.26		
	00:10:40	765.59	719.89		
	00:10:30	702.72	660.68		
	00:10:20	651.53	608.42		
	00:10:10	606.61	563.38		
30.0 0.03	00:10:00	567.21	523.60		
	00:09:50	532.58	489.22		
	00:09:40	501.61	457.73		
	00:09:30	473.69	429.57		
	00:09:20	448.69	403.81		
	00:09:10	425.92	380.84		
0.03	00:09:00	405.43	359.74		
	00:08:50	386.61	340.48		
	00:08:40	369.29	322.34		
	00:08:30	353.58	306.03		
	00:08:20	338.86	290.90		
	00:08:10	325.39	276.29		
30.0 0.03	00:08:00	312.75	263.63		
	00:07:50	300.94	251.49		
	00:07:40	289.93	240.36		
	00:07:30	279.51	230.17		
	00:07:20	269.85	220.78		
	00:07:10	260.65	211.18		
0.03	00:07:00	251.96	202.51		
	00:06:50	243.71	194.49		
	00:06:40	235.91	186.26		
	00:06:30	228.46	178.68		
	00:06:20	221.43	171.82		
	00:06:10	214.67	164.95		
30.0 0.03	00:06:00	208.26	158.73		
	00:05:50	202.13	153.01		
	00:05:40	196.31	146.86		
	00:05:30	190.59	141.22		
	00:05:20	185.21	135.79		
	00:05:10	180.07	130.71		
0.03	00:05:00	175.10	125.71		
	00:04:50	170.13	120.78		
	00:04:40	165.50	116.00		
	00:04:30	160.79	111.29		
	00:04:20	156.08	106.72		
	00:04:10	151.61	101.38		
29.9 0.03	00:04:00	147.36	97.51		
	00:03:50	143.29	92.60		
	00:03:40	139.08	88.18		
	00:03:30	134.53	83.83		
	00:03:20	129.84	79.42		
Vert Pretest 10.4 cc @ 60 C3/M	00:03:10	125.10	74.65		
0.03	00:03:00	119.73	70.24		
	00:02:50	114.04	65.62		
	00:02:40	107.64	60.93		
	00:02:30	100.19	51.64		
	00:02:20	120.56	10.22		
	00:02:10	17238.63	15498.63		
30.1 Probe Set @ 1499.1 M 0.03	00:02:00	22331.76	22288.62		
	00:01:50	21456.37	21485.99		
	00:01:40	20172.83	20140.13		
	00:01:30	20031.90	20054.10		
	00:01:20	19947.62	19913.85		
	00:01:10	19944.03	19913.55		
0.03	00:01:00	19944.22	19913.99		
	00:00:50	19943.87	19913.55		
	00:00:40	19943.92	19913.40		
	00:00:30	19943.84	19913.26		
	00:00:20	19943.98	19913.40		
	00:00:10	19944.05	19913.40		
30.1 0.03	00:00:00	19944.15	19913.70		
		19944.25	19913.55		
		19944.63	19913.55		
		19944.62	19913.84		
		19944.43	19913.40		
		19943.96	19912.82		
		19944.01	19912.67		
		19944.05	19912.67		
		19944.02	19912.82		

<---Temperature (BQT1) (DEGC)
Elapsed Time (ETIM) (S)
MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)
MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10
MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)
MRPO Solenoid 3 Status (POS3) 5 (----) 0

MRHY 1

MRPO Hydraulic Pressure (POHP)		
0	(KPAG)	50000

Motor Speed (HMS1) (RPM)	
0	8000

MRPS 1 Quartz Gauge Pressure (BQP1)		
0	(KPAA)	50000

MRPO Hydraulic Pump Output Volume (POPV)		
0	(C3)	10000

MRPS 1 Flowline Fluid Resistivity (BFR1)		
0	(OHMM)	25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 06-Mar-2008 00:53

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT	MDT_OFA_067LTP	FN:89	PRODUCER	06-Mar-2008 00:53

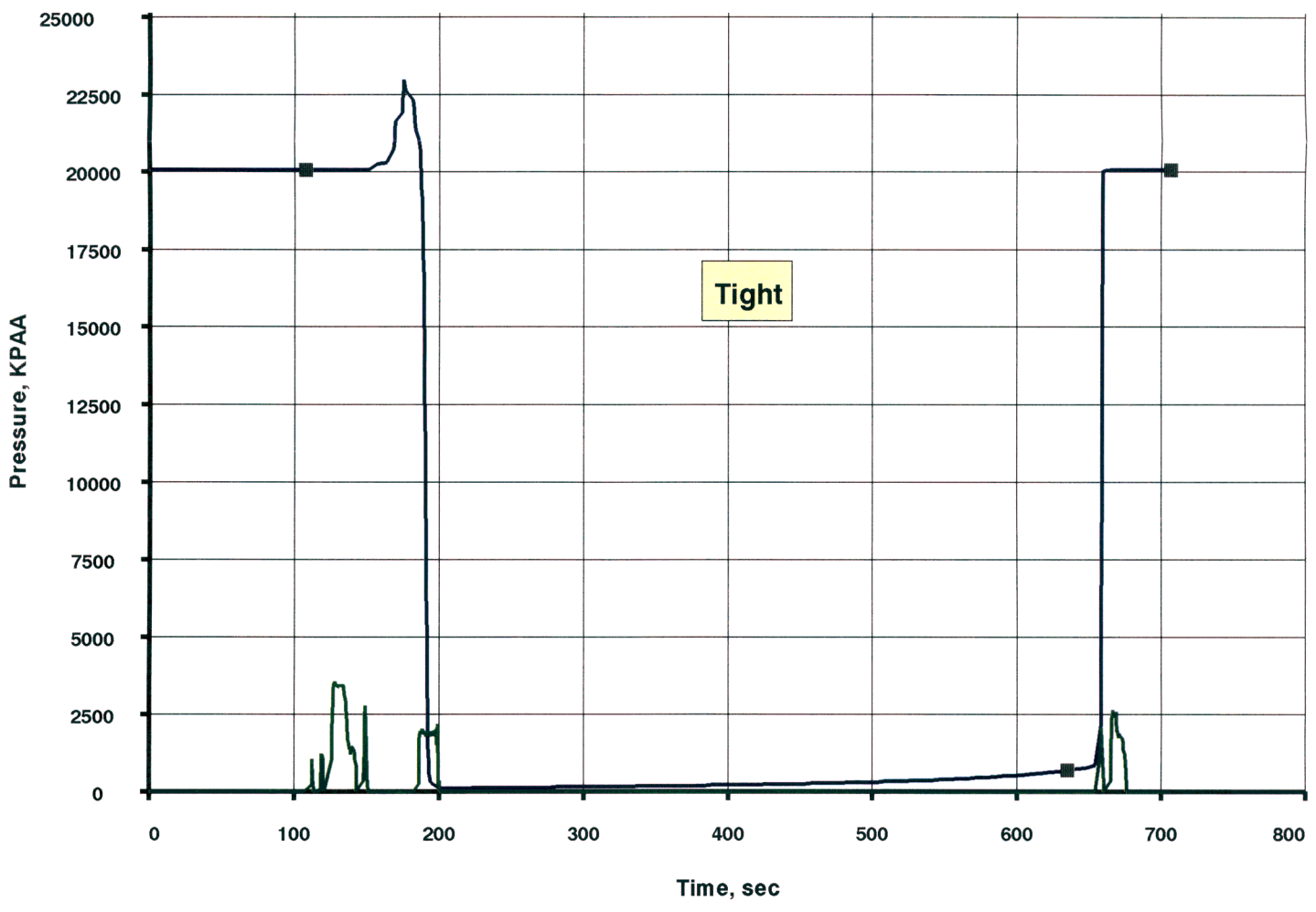
File 67 Depth, M: 1499.09 Volumetric Limited draw-down - Large-Diameter probe

5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Mud Pressure before test, KPAA: 19943.88
Mud Pressure after test, KPAA: 19945.81
Last build-up pressure, KPAA: 689.31



Pretest Volume: 10.4cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT	MDT_OFA_066LTP	FN:88	PRODUCER	05-Mar-2008 22:11	1501.2 M	24.3 M

Elapsed Time (s)	Event Summary
9481.8	Retract Single Probe Module (MRPS) 1
9317.4	Pumping Stopped 5335.0 C3 Dual Pumpout Module (MRPO)
8741.7	Pump Out Started Dual Pumpout Module (MRPO)
8657.1	Pumping Stopped 56745.0 C3 Dual Pumpout Module (MRPO)
8636.4	Seal MDT Multi-Sample (MRMS) 1, bottle 4
8615.7	Seal MDT Multi-Sample (MRMS) 1, bottle 3
8434.8	Open MDT Multi-Sample (MRMS) 1, bottle 4, sample number = 3
8427.9	Open MDT Multi-Sample (MRMS) 1, bottle 3, sample number = 3
6093.3	Seal MDT Multi-Sample (MRMS) 1, bottle 2
5967.0	Open MDT Multi-Sample (MRMS) 1, bottle 2, sample number = 2
3211.2	Seal MDT Multi-Sample (MRMS) 1, bottle 1
3035.7	Open MDT Multi-Sample (MRMS) 1, bottle 1, sample number = 1
337.8	Pump Out Started Dual Pumpout Module (MRPO)
156.0	Vert Pretest 10.4 cc @ 60 C3/M Single Probe Module (MRPS) 1
113.1	Probe Set @ 1501.2 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

LFA Optical Density Channel 9 (FAOD_LFA[9])		
-36	(----)	4

LFA Optical Density Channel 8 (FAOD_LFA[8])		
-32	(----)	8

LFA Optical Density Channel 7 (FAOD_LFA[7])		
-28	(----)	12

LFA Optical Density Channel 6 (FAOD_LFA[6])		
-24	(----)	16

LFA Optical Density Channel 5 (FAOD_LFA[5])		
-20	(----)	20

LFA Optical Density Channel 4 (FAOD_LFA[4])		
-16	(----)	24

LFA Optical Density Channel 3 (FAOD_LFA[3])		
-12	(----)	28

LFA Optical Density Channel 2 (FAOD_LFA[2])		
-8	(----)	32

LFA Optical Density Channel 1 (FAOD_LFA[1])		
-4	(----)	36

LFA Optical Density Channel 0 (FAOD_LFA[0])		
0	(----)	40

MRPO Hydraulic Pump Output Volume (POPV)		
0	(C3)	10000

MRPS 1 Flowline Fluid Resistivity (BFR1)		
0	(OHMM)	25

MRPS 1 Quartz Gauge Pressure (BQP1)		
0	(KPAA)	50000

MRPA Quartz Gauge Pressure (PAQP)		
0	(KPAA)	50000

MRPO Hydraulic Pressure (POHP)		
0	(KPAG)	50000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0

High Gas | Oil | Medium Gas | Water | Low Gas | Highly Absorbing Fluid

LFA Fluid Coloration (FCOL_LFA) (----) 0.000001 0.0001

LFA Fluid Coloration (FCOL_LFA) 0.0001 (----) 0.01

<---Temperature (BQT1) (DEGC)

Elapsed Time (ETIM) (S)

LFA in Measure Mode
Pumping Stopped 56745.0 C3
LFA in Sleep Mode
Seal - bottle 4
Seal - bottle 3
Pump Out Started
Open - bottle 4
Open - bottle 3

Seal - bottle 2
Open - bottle 2
29.9
0.03
02:01:40
02:01:30
02:01:20
02:01:10
02:01:00
02:00:50
02:00:40
02:00:30
02:00:20
02:00:10
02:00:00
01:59:50
01:59:40
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01:58:20
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01:58:00
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01:57:40
01:57:30
01:57:20
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29.9 0.03 01:28:00
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29.9 0.03 01:26:00
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29.9 0.03 01:22:00
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29.9 0.03 01:20:00
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29.9 0.03 01:18:00
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29.9 0.03 01:16:00
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29.8 0.03 01:14:00
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29.8 0.03 01:08:00
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29.8 0.03 01:06:00
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29.8 0.03 01:04:00
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29.8 0.03 01:02:00
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29.8 0.03 01:00:00
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29.7 0.03 00:58:00
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29.7 0.03 00:56:00
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29.7 0.03 00:54:00
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Seal - bottle 1 00:53:30
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0.03 00:53:00
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29.7 0.03 00:52:00
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0.03 00:51:00
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Open - bottle 1 00:50:30
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29.7 0.03 00:50:00
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0.03 00:49:00
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29.6 0.03 00:48:00
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0.03 00:47:00
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29.7 0.03 00:46:00
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0.03 00:45:00
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29.6 0.03 00:44:00
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29.5 0.03 00:36:00
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29.5 0.03 00:34:00
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29.4 0.03 00:32:00
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29.4 0.03 00:30:00
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0.02 00:29:00
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29.3 0.02 00:28:00
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29.5 0.02 00:26:00
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0.02 00:25:00
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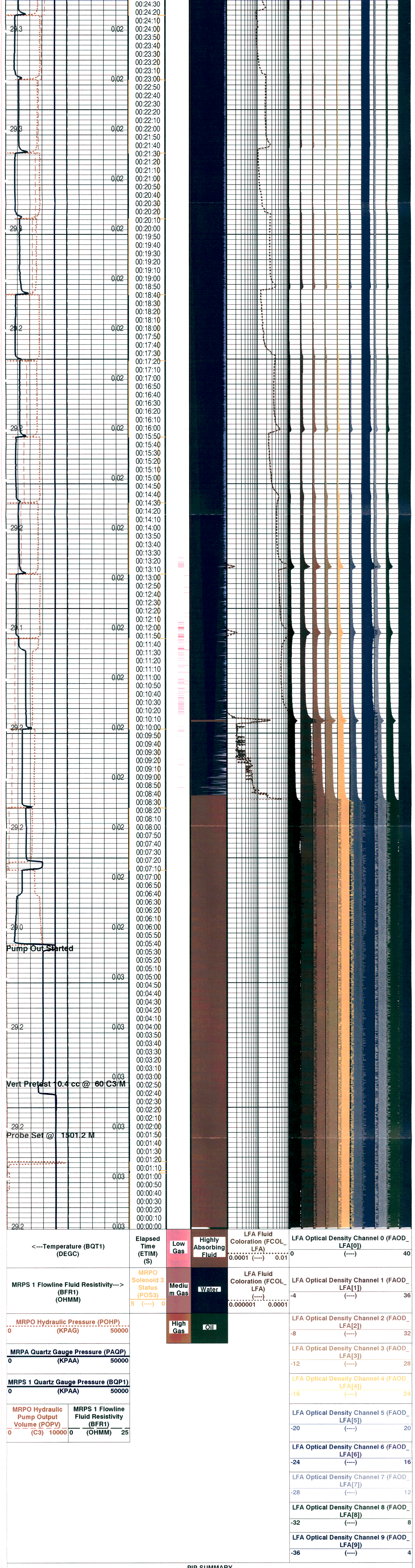


PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value

	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
CEXP_LFA	LFA Coloration Exponent	4.6	
DCDW_LFA	LFA Decolor and Dewater Allow/Disallow for Gas Oil Ratio	ALLOW	
FAGM_LFA	LFA GOR Allow/Disallow Mode	ALLOW	
FAJM_LFA	LFA Job Mode	LFA	
FATCM_LFA	LFA Temp. Coef. Measure Mode	** V **	
FATCS_LFA	LFA Temp. Coef. Source Mode	** V **	
GASH_LFA	LFA Gas Indicator High Level Threshold	0.4	
GASL_LFA	LFA Gas Indicator Low Level Threshold	0.05	
GASM_LFA	LFA Gas Indicator Medium Level Threshold	0.1	
GORD_LFA	LFA GOR Disqualification Level	0.1	
PDCO	Probe Depth Correction Offset	0	M
SATL_LFA	LFA Saturation Level of Optical Density Measurement	** V **	
TCPS_STATUS_LFA	LFA Temperature Compensation Coefficient Status	NOT_VALID	
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: LFA (Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 22:11

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT	MDT_OFA_066LTP	FN:88	PRODUCER	05-Mar-2008 22:11

Output DLIS Files

DEFAULT	MDT_OFA_066LTP	FN:88	PRODUCER	05-Mar-2008 22:11	1501.2 M	24.3 M

Elapsed Time (s)	Event Summary
9481.8	Retract Single Probe Module (MRPS) 1
9317.4	Pumping Stopped 5335.0 C3 Dual Pumpout Module (MRPO)
8741.7	Pump Out Started Dual Pumpout Module (MRPO)
8657.1	Pumping Stopped 56745.0 C3 Dual Pumpout Module (MRPO)
8636.4	Seal MDT Multi-Sample (MRMS) 1, bottle 4
8615.7	Seal MDT Multi-Sample (MRMS) 1, bottle 3
8434.8	Open MDT Multi-Sample (MRMS) 1, bottle 4, sample number = 3
8427.9	Open MDT Multi-Sample (MRMS) 1, bottle 3, sample number = 3
6093.3	Seal MDT Multi-Sample (MRMS) 1, bottle 2
5967.0	Open MDT Multi-Sample (MRMS) 1, bottle 2, sample number = 2
3211.2	Seal MDT Multi-Sample (MRMS) 1, bottle 1
3035.7	Open MDT Multi-Sample (MRMS) 1, bottle 1, sample number = 1
337.8	Pump Out Started Dual Pumpout Module (MRPO)
156.0	Vert Pretest 10.4 cc @ 60 C3/M Single Probe Module (MRPS) 1
113.1	Probe Set @ 1501.2 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000

MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

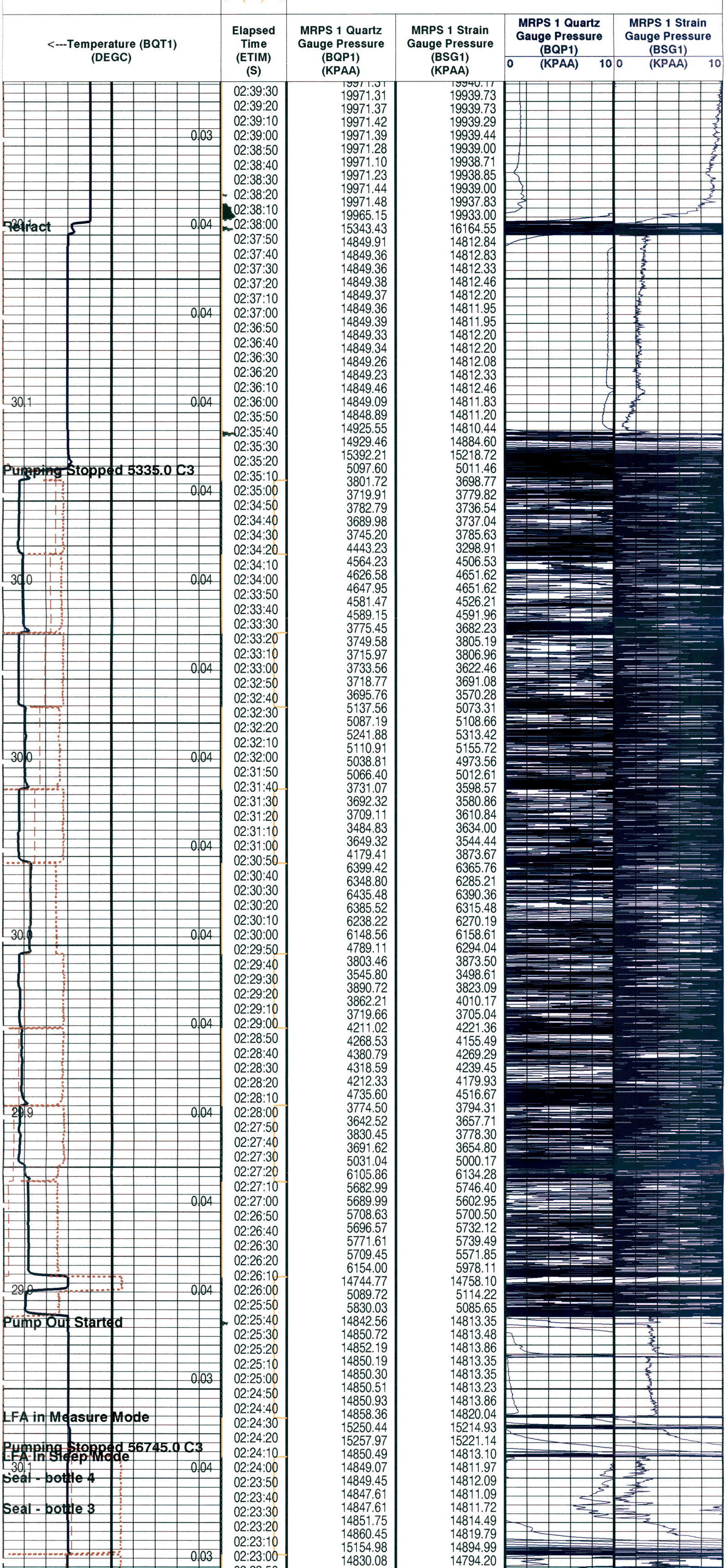
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0



<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)
	02:39:30	19971.31	19939.73
	02:39:20	19971.37	19939.73
	02:39:10	19971.42	19939.29
0.03	02:39:00	19971.39	19939.44
	02:38:50	19971.28	19939.00
	02:38:40	19971.10	19938.71
	02:38:30	19971.23	19938.85
	02:38:20	19971.44	19939.00
	02:38:10	19971.48	19937.83
30.1 0.04	02:38:00	19965.15	19933.00
	02:37:50	15343.43	16164.55
	02:37:40	14849.91	14812.84
	02:37:30	14849.36	14812.83
	02:37:20	14849.36	14812.33
	02:37:10	14849.38	14812.46
0.04	02:37:00	14849.37	14812.20
	02:36:50	14849.36	14811.95
	02:36:40	14849.39	14811.95
	02:36:30	14849.33	14812.20
	02:36:20	14849.34	14812.20
	02:36:10	14849.26	14812.08
30.1 0.04	02:36:00	14849.23	14812.33
	02:35:50	14849.46	14812.46
	02:35:40	14849.09	14811.83
	02:35:30	14848.89	14811.20
	02:35:20	14925.55	14810.44
	02:35:10	14929.46	14884.60
0.04	02:35:00	15392.21	15218.72
	02:34:50	5097.60	5011.46
	02:34:40	3801.72	3698.77
	02:34:30	3719.91	3779.82
	02:34:20	3782.79	3736.54
	02:34:10	3689.98	3737.04
30.0 0.04	02:34:00	3745.20	3785.63
	02:33:50	4443.23	3298.91
	02:33:40	4564.23	4506.53
	02:33:30	4626.58	4651.62
	02:33:20	4647.95	4651.62
	02:33:10	4581.47	4526.21
0.04	02:33:00	4589.15	4591.96
	02:32:50	3775.45	3682.23
	02:32:40	3749.58	3805.19
	02:32:30	3715.97	3806.96
	02:32:20	3733.56	3622.46
	02:32:10	3718.77	3691.08
30.0 0.04	02:32:00	3695.76	3570.28
	02:31:50	5137.56	5073.31
	02:31:40	5087.19	5108.66
	02:31:30	5241.88	5313.42
	02:31:20	5110.91	5155.72
	02:31:10	5038.81	4973.56
0.04	02:31:00	5066.40	5012.61
	02:30:50	3731.07	3598.57
	02:30:40	3692.32	3580.86
	02:30:30	3709.11	3610.84
	02:30:20	3484.83	3634.00
	02:30:10	3649.32	3544.44
30.0 0.04	02:30:00	4179.41	3873.67
	02:29:50	6399.42	6365.76
	02:29:40	6348.80	6285.21
	02:29:30	6435.48	6390.36
	02:29:20	6385.52	6315.48
	02:29:10	6238.22	6270.19
0.04	02:29:00	6148.56	6158.61
	02:28:50	4789.11	6294.04
	02:28:40	3803.46	3873.50
	02:28:30	3545.80	3498.61
	02:28:20	3890.72	3823.09
	02:28:10	3862.21	4010.17
29.9 0.04	02:28:00	3719.66	3705.04
	02:27:50	4211.02	4221.36
	02:27:40	4268.53	4155.49
	02:27:30	4380.79	4269.29
	02:27:20	4318.59	4239.45
	02:27:10	4212.33	4179.93
0.04	02:27:00	4735.60	4516.67
	02:26:50	3774.50	3794.31
	02:26:40	3642.52	3657.71
	02:26:30	3830.45	3778.30
	02:26:20	3691.62	3654.80
	02:26:10	5031.04	5000.17
29.9 0.04	02:26:00	6105.86	6134.28
	02:25:50	5682.99	5746.40
	02:25:40	5689.99	5602.95
	02:25:30	5708.63	5700.50
	02:25:20	5696.57	5732.12
	02:25:10	5771.61	5739.49
0.03	02:25:00	5709.45	5571.85
	02:24:50	6154.00	5978.11
	02:24:40	14744.77	14758.10
	02:24:30	5089.72	5114.22
	02:24:20	5830.03	5085.65
	02:24:10	14842.56	14813.35
30.1 0.04	02:24:00	14850.72	14813.48
	02:23:50	14852.19	14813.86
	02:23:40	14850.19	14813.35
	02:23:30	14850.30	14813.35
	02:23:20	14850.51	14813.23
	02:23:10	14850.93	14813.86
0.03	02:23:00	14858.36	14820.04
	02:22:50	15250.44	15214.93
	02:22:40	15257.97	15221.14
	02:22:30	14850.49	14813.10
	02:22:20	14849.07	14811.97
	02:22:10	14849.45	14812.09
	02:22:00	14847.61	14811.09
	02:21:50	14847.61	14811.72
	02:21:40	14851.75	14814.49
	02:21:30	14860.45	14819.79
	02:21:20	15154.98	14894.99
	02:21:10	14830.08	14794.20

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10

MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10

14737.22	14739.39
5371.95	5372.05
7150.58	6825.26
4884.22	4736.70
4891.53	4905.17
4888.47	4777.85
4851.79	4806.56
4844.21	4606.75
4840.14	4701.54
5411.14	5341.00
5399.73	5461.99
5409.97	5288.28
5355.33	5465.41
5345.26	5145.28
5524.81	5596.30
9762.26	8424.54
4825.71	4691.41
4903.29	5009.94
4830.99	4902.61
4827.58	4931.45
4695.98	4736.61
4770.96	4851.81
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5998.26	5948.93
6005.30	5960.17
5630.56	5709.14
5584.21	5561.13
5643.01	5552.70
6030.54	5990.48
6083.16	6034.30
6972.08	5686.65
6708.94	6685.39
6599.22	6550.86
6596.79	6554.22
6597.85	6559.98
6620.52	6575.42
6620.70	6583.96
6693.81	6650.04
7683.26	7334.33
5654.91	5587.03
5600.90	5580.30
5618.32	5549.07
5579.02	5584.12
5553.05	5488.03
5362.03	5351.52
5851.79	5689.86
7201.71	9697.76
6411.40	6374.84
6395.89	6347.44
6388.10	6347.72
6382.77	6334.89
6420.63	6366.42
6360.19	6307.58
6503.58	6432.29
11894.83	11942.33
6839.26	6806.05
6846.12	6801.66
6857.66	6818.00
6838.32	6804.14
6856.98	6817.62
6864.57	6813.22
8213.70	7622.97
6657.18	6614.60
6652.57	6614.42
6654.78	6616.02
6666.02	6616.49
6682.17	6636.36
6690.18	6645.61
6695.47	6658.25
6805.71	6753.61
7385.15	10784.15
5651.09	5502.38
5585.31	5570.94
5538.92	5559.41
5558.16	5544.99
5373.58	5367.67
5413.04	5396.73
5893.92	5742.71
6138.34	6111.29
6114.88	6065.08
6136.13	6063.69
6275.41	6240.96
6306.94	6250.79
6493.69	6441.22
6576.60	6525.85
6741.31	6659.48
5779.22	7037.63
5424.08	5405.06
5430.62	5439.78
5432.24	5452.10
5563.44	5545.26
5489.94	5480.46
5573.57	5655.52
5715.74	6237.60
10594.22	7817.19
15034.05	14994.15
15323.84	15227.41
6395.67	6352.35
6335.36	6309.37
14871.21	14824.37
14847.49	14811.13
14844.31	14809.62
14844.61	14808.86
14841.55	14808.10
14847.18	14812.14
14455.71	14517.27
14827.77	14797.27
14188.19	14478.72
4955.37	4838.22
9502.92	8020.25
8541.88	8529.97
8665.91	8745.97
8828.58	8738.64
9903.28	9717.26
12159.11	11585.51
9264.65	13796.23
4709.64	4633.93
5002.53	4778.02
4793.99	4668.08
4798.30	4862.43
4768.38	4700.47
4701.46	4654.44
4736.01	4637.81
14771.86	14560.66
14858.02	14805.59
8122.79	12089.59
4595.23	4693.00
4825.15	4783.69
4482.08	4555.65
4463.99	4465.09
4447.44	4332.72
4414.17	4196.41
4417.86	4385.95
7959.07	5930.03
14842.43	14810.63
13763.54	14389.23
4614.89	4537.93
4603.91	4509.40
4593.66	4575.06
4544.64	4581.21
4545.70	4568.82
4558.27	4650.37
4549.08	4384.31
8529.85	7077.39
5638.22	5640.44
5643.65	5655.79
5644.86	5671.44
5624.02	5524.26
5532.29	5420.75
5588.55	5569.58
5561.50	5529.60
5704.59	5539.83
5387.62	9758.88

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4644.67	4487.84
4559.43	4527.07
8932.39	8929.38
5940.54	5911.89
5891.01	5853.66
5886.14	5811.99
6226.16	6157.22
6142.48	6139.75
6240.35	6164.28
6489.30	6444.93
7989.48	7747.42
4286.53	4133.21
4264.13	4148.87
4302.71	4201.26
4393.11	4471.10
4400.44	4464.13
4372.15	4386.73
4390.74	4297.99
4408.95	4435.17
5483.85	5444.72
5484.31	5373.66
5488.48	5421.29
5533.66	5404.35
5519.72	5429.63
5441.15	5383.05
5520.55	5510.24
5547.06	5508.89
13091.08	13426.35
4382.97	4265.86
4348.84	4239.44
4518.49	4514.74
4407.47	4465.26
4250.47	4254.99
4197.33	4187.39
4614.45	4327.38
6769.59	6096.95
5003.96	4958.68
5002.91	5002.12
5232.63	5174.63
5255.07	5196.28
5246.81	5204.95
5201.62	5162.02
5244.76	5177.33
5222.54	5177.42
5810.15	5432.24
4305.14	4247.04
4265.46	4265.08
4266.10	4341.15
4268.21	4295.50
4204.47	4097.21
4225.37	4194.45
4196.76	4172.53
4356.02	4134.56
4898.59	4828.68
4887.78	4877.01
4848.75	4853.91
4891.24	4876.65
4873.42	4876.04
4820.33	4808.65
4872.13	4780.98
4847.70	4764.08
6121.57	5596.31
4225.91	4112.84
4248.72	4196.15
4195.42	4125.52
4185.86	4218.71
4200.56	4195.98
4193.47	4093.05
4223.98	4123.57
4168.32	4093.40
5050.18	4965.76
4951.44	4918.21
5058.10	4994.84
5032.33	5091.55
5052.79	4897.68
5074.84	5092.18
5122.74	5030.05
5046.26	4992.26
5324.03	5166.16
4369.51	4225.87
5005.89	4891.78
4911.07	4861.55
4022.18	4013.86
4002.41	3862.96
4020.77	3966.76
4047.91	3934.96
3992.49	4021.77
4689.04	4252.77
4533.47	4443.34
4609.83	4536.71
4585.53	4549.68
4614.79	4550.03
4614.43	4556.08
4846.72	4748.08
4891.38	4934.80
4887.46	4864.18
8227.49	7002.27
3984.93	3921.05
3956.89	3897.63
3879.48	3763.56
3864.38	3824.43
3823.51	3847.87
3840.84	3729.73
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4488.16	4432.74
4348.94	4305.72
4321.35	4241.66
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4197.14	4162.35
4267.39	4238.76
5719.68	5111.62
14836.69	14813.93
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14847.93	14814.05
14848.08	14813.29
14847.95	14813.80
14848.07	14813.42
14847.97	14812.92
14848.19	14813.67
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14847.97	14812.67
14847.46	14812.42
14848.42	14811.91
14921.52	14882.65
14948.47	14906.72
14840.97	14802.08
14736.69	14753.52
3760.00	3828.57
3714.32	3608.83
3871.82	3844.23
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3790.58	3646.04
3769.89	3732.07
3697.17	3616.46
3687.66	3591.68
3690.45	3619.20
3642.60	3617.79
3549.29	3615.05
3563.10	3375.31
5340.89	4678.80
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5274.14	5280.36
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5290.05	5210.28
5301.52	5218.87
5416.06	5470.64
8470.04	7363.34
3832.42	3738.53
3816.73	3859.91
3835.87	3810.24
3821.08	3768.35
3787.96	3745.50
3807.14	3816.49
3806.55	3737.52
3920.42	3725.87
5644.51	6253.80
5765.68	5719.89
5624.97	5564.22
5667.81	5663.02
5784.79	5745.29
5780.04	5776.94
5809.22	5760.69
5700.80	5601.13
5868.10	5857.19
6265.44	6203.88
8991.58	9204.19
4082.08	4002.60
4107.50	4118.16
4095.00	4026.16
3961.14	3850.67
3892.84	3849.99
3927.30	3841.01
3881.91	3801.96
3969.27	3892.09
5764.20	5699.68
5706.51	5692.25
5726.95	5663.48
5644.46	5637.61
5630.27	5547.35
5642.18	5592.03
5603.15	5585.75
5591.19	5526.79
5633.21	5576.39
5726.31	5721.45
8182.59	7460.27
3979.74	4056.15
4018.59	3996.93
3976.21	3916.02
4058.28	4010.42
4031.90	3909.20
4014.75	3901.45
4059.46	4004.92
4072.50	4105.79
5110.85	5025.33
5118.86	5103.10
5120.31	5087.26
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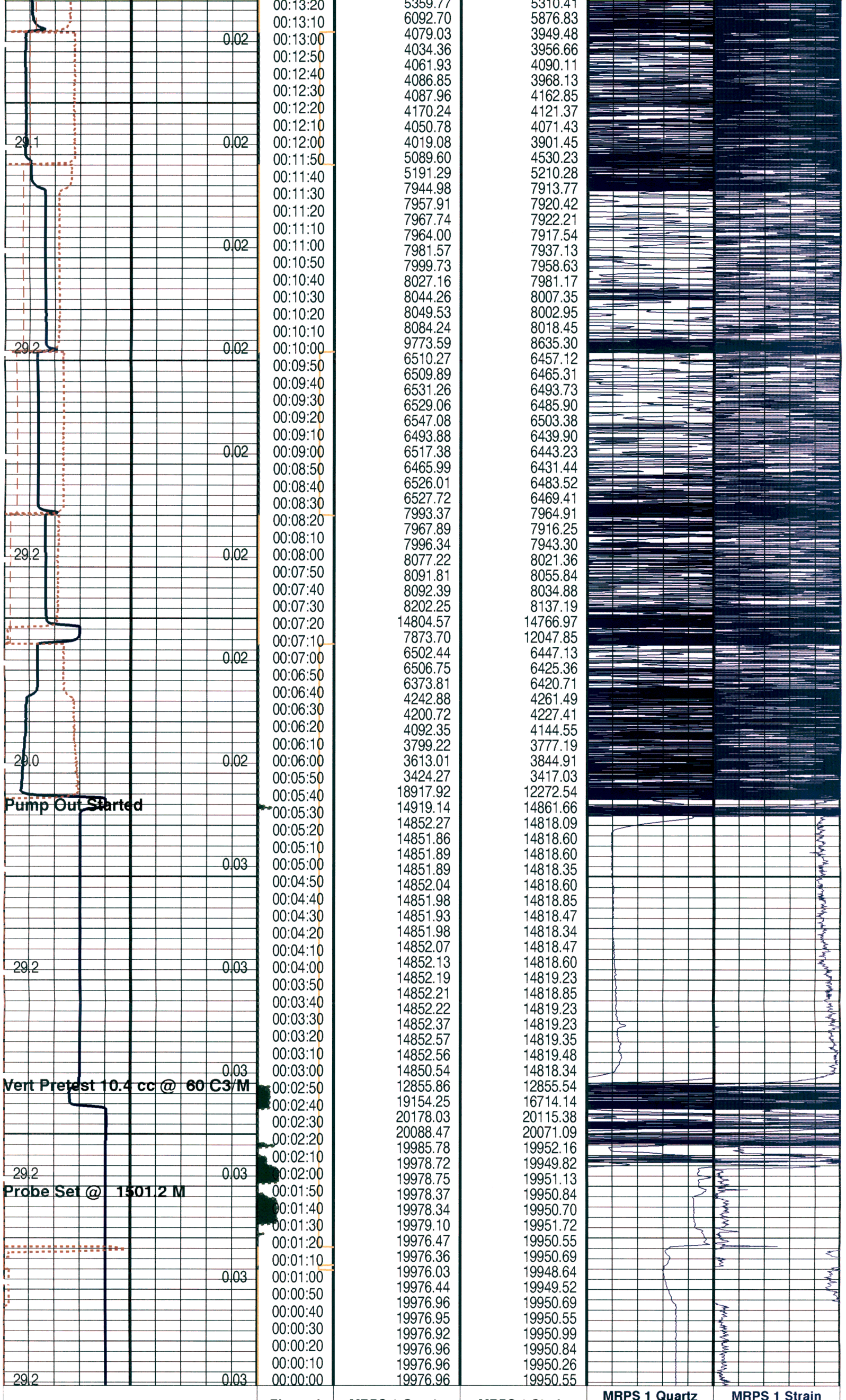
5234.58	5135.22
5276.16	5188.43



<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)	MRPO Solenoid 3 Status (POS3) 5 (----) 0				
MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000	MRHY 1 Motor Speed (HMS1) (RPM) 0 8000				
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000					
MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000	MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25				

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 22:11

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT	MDT_OFA_066LTP	FN:88	PRODUCER	05-Mar-2008 22:11

File 66 Depth, M: 1501.23

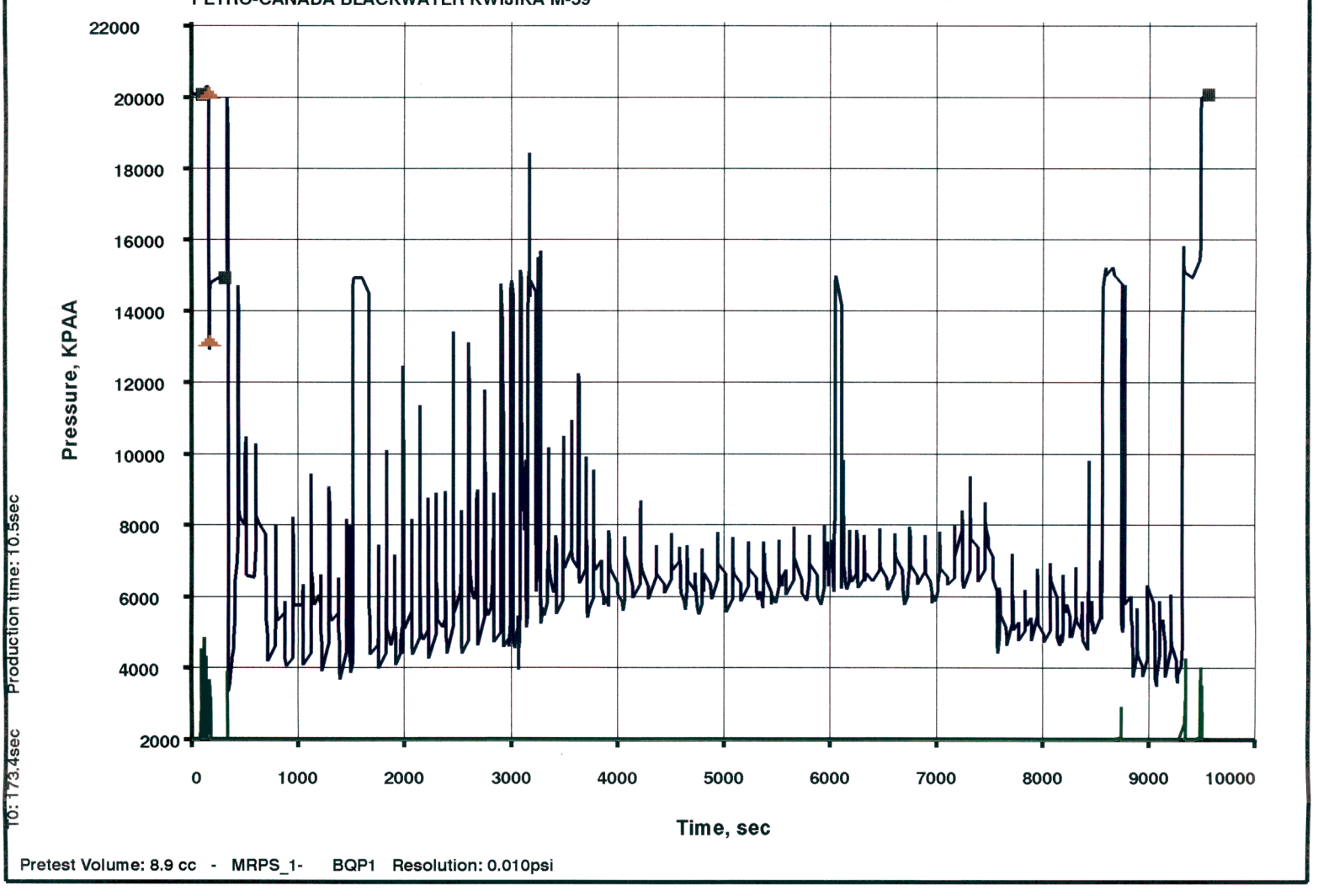
5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Volumetric Pretest - Large-Diameter probe

Mud Pressure before test, KPAA:	19978.36
Mud Pressure after test, KPAA:	19971.38
Last build-up pressure, KPAA:	14851.88
Draw-down mobility, md/cp:	7.6



Pretest Volume: 8.9 cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT	MDT_OFA_065LTP	FN:87	PRODUCER	05-Mar-2008 21:36	1501.2 M	1.3 M

Elapsed Time (s)	Event Summary
453.9	Retract Single Probe Module (MRPS) 1
283.2	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
170.1	Vert Pretest 10.0 cc @ 30 C3/M Single Probe Module (MRPS) 1
118.5	Probe Set @ 1501.2 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV)	MRPS 1 Flowline Fluid Resistivity (BFR1)
0 (C3) 10000	0 (OHMM) 25

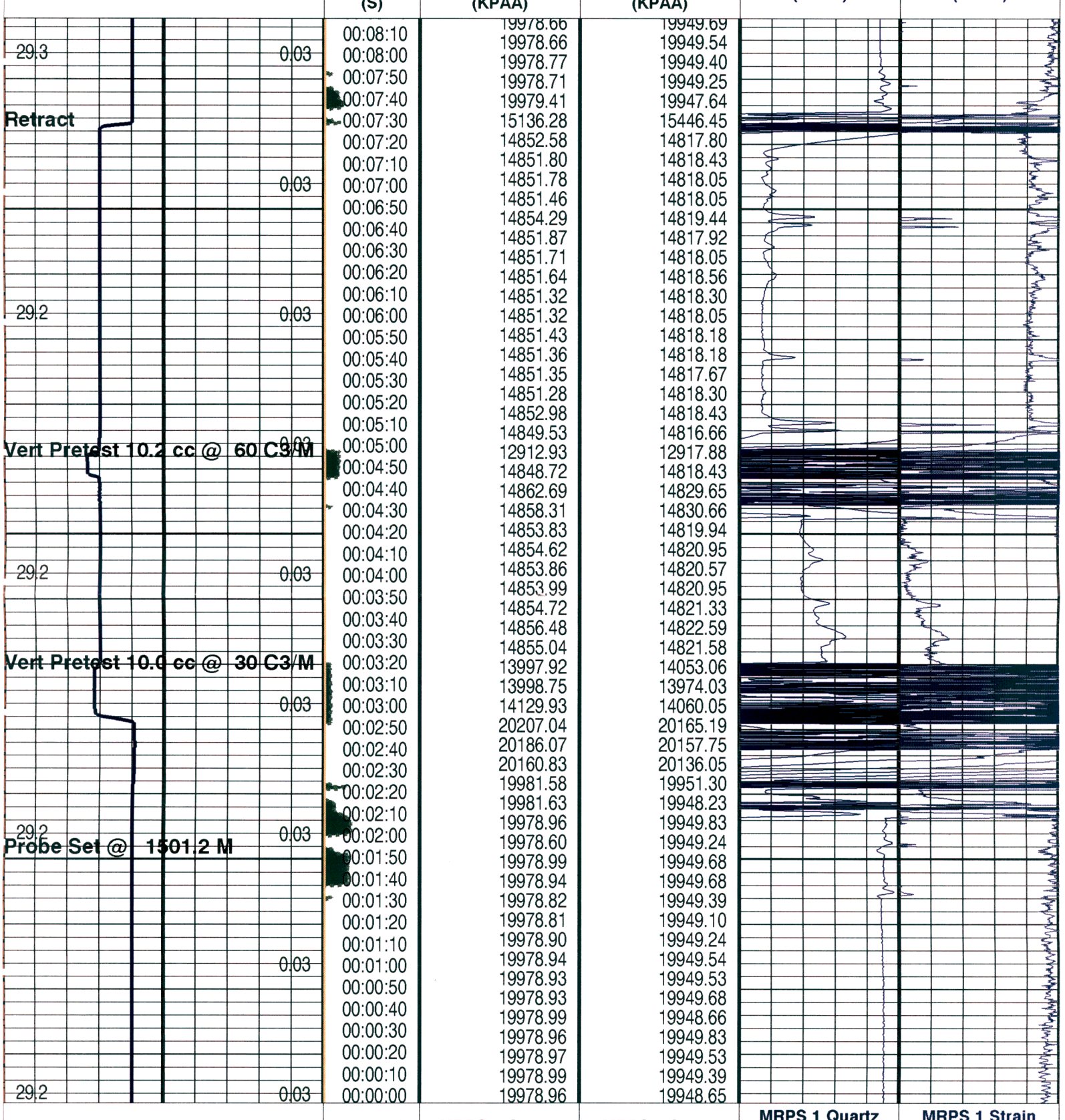
MRPS 1 Quartz Gauge Pressure (BQP1)
0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP)
0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM)
0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3)
5 (----) 0



<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)
	00:08:10	19978.66	19949.69
	00:08:00	19978.66	19949.54
	00:07:50	19978.77	19949.40
	00:07:40	19978.71	19949.25
	00:07:30	19979.41	19947.64
	00:07:20	15136.28	15446.45
	00:07:10	14852.58	14817.80
	00:07:00	14851.80	14818.43
	00:06:50	14851.78	14818.05
	00:06:40	14851.46	14818.05
	00:06:30	14854.29	14819.44
	00:06:20	14851.87	14817.92
	00:06:10	14851.71	14818.05
	00:06:00	14851.64	14818.56
	00:05:50	14851.32	14818.30
	00:05:40	14851.32	14818.05
	00:05:30	14851.43	14818.18
	00:05:20	14851.36	14818.18
	00:05:10	14851.35	14817.67
	00:05:00	14851.28	14818.30
	00:04:50	14852.98	14818.43
	00:04:40	14849.53	14816.66
	00:04:30	12912.93	12917.88
	00:04:20	14848.72	14818.43
	00:04:10	14862.69	14829.65
	00:04:00	14858.31	14830.66
	00:03:50	14853.83	14819.94
	00:03:40	14854.62	14820.95
	00:03:30	14853.86	14820.57
	00:03:20	14853.99	14820.95
	00:03:10	14854.72	14821.33
	00:03:00	14856.48	14822.59
	00:02:50	14855.04	14821.58
	00:02:40	13997.92	14053.06
	00:02:30	13998.75	13974.03
	00:02:20	14129.93	14060.05
	00:02:10	20207.04	20165.19
	00:02:00	20186.07	20157.75
	00:01:50	20160.83	20136.05
	00:01:40	19981.58	19951.30
	00:01:30	19981.63	19948.23
	00:01:20	19978.96	19949.83
	00:01:10	19978.60	19949.24
	00:01:00	19978.99	19949.68
	00:00:50	19978.94	19949.68
	00:00:40	19978.82	19949.39
	00:00:30	19978.81	19949.10
	00:00:20	19978.90	19949.24
	00:00:10	19978.94	19949.54
	00:00:00	19978.93	19949.53
		19978.93	19949.68
		19978.99	19948.66
		19978.96	19949.83
		19978.97	19949.53
		19978.99	19949.39
		19978.96	19948.65

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10 | MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10

<---Temperature (BQT1) (DEGC) | Elapsed Time (ETIM) (S) | MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA) | MRPS 1 Strain Gauge Pressure (BSG1) (KPAA) | MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10 | MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0

MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000 | MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 21:36

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

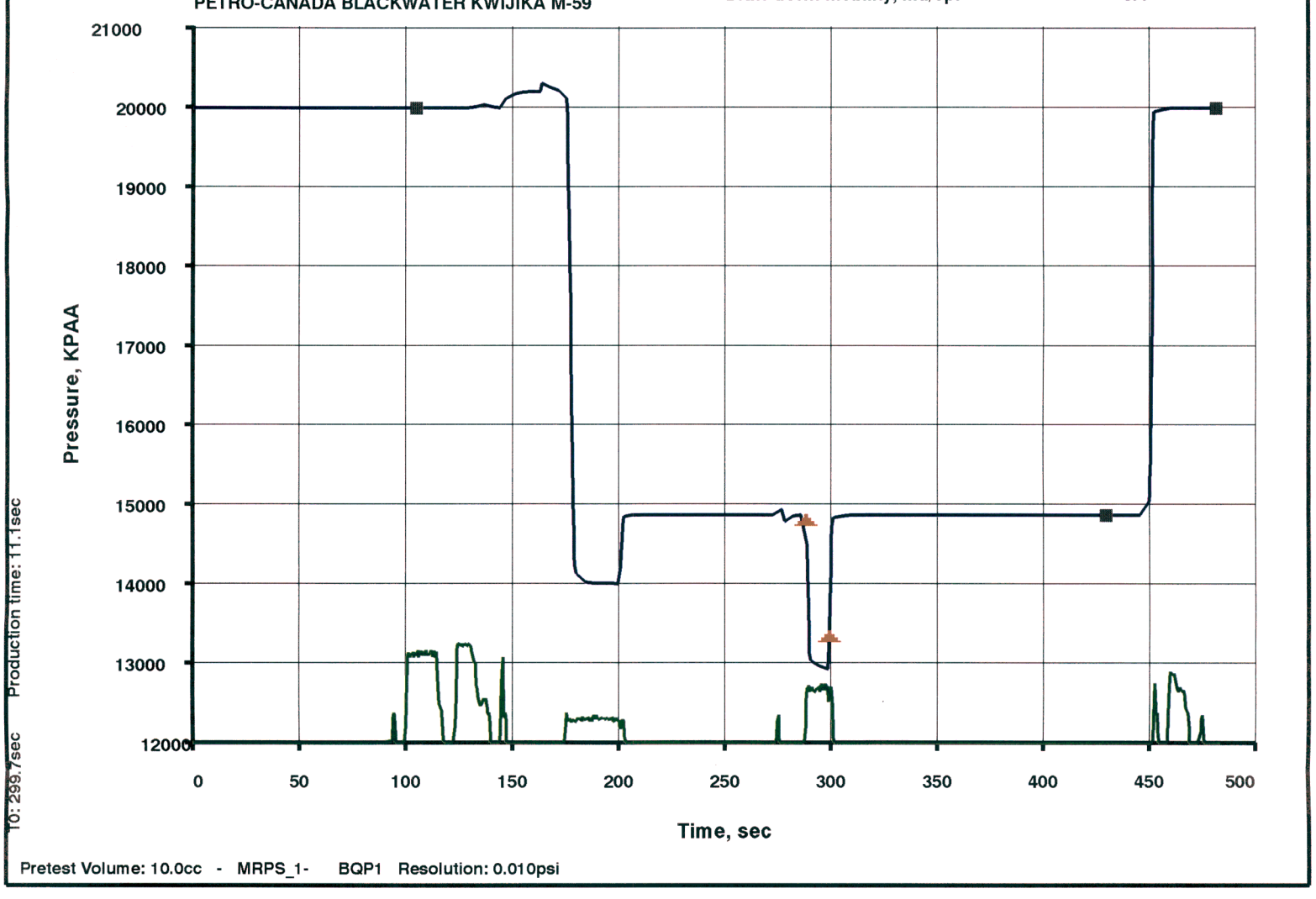
Output DLIS Files

DEFAULT MDT_OFA_065LTP FN:87 PRODUCER 05-Mar-2008 21:36

File 65 Depth, M: 1501.23
5-Mar-2008 PETRO-CANADA
KWIJIKA
PETRO-CANADA BLACKWATER KWIJIKA M-59

Volumetric Pretest - Large-Diameter probe

Mud Pressure before test, KPAA:	19978.96
Mud Pressure after test, KPAA:	19978.69
Last build-up pressure, KPAA:	14851.77
Draw-down mobility, md/cp:	8.4



Pretest Volume: 10.0cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT MDT_OFA_064LTP FN:86 PRODUCER 05-Mar-2008 21:14 1503.6 M 2.7 M

Elapsed Time (s)	Event Summary
512.7	Vert Pretest 10.1 cc @ 30 C3/M Single Probe Module (MRPS) 1
177.0	Vert Pretest 10.1 cc @ 30 C3/M Single Probe Module (MRPS) 1
133.5	Probe Set @ 1503.6 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000 | MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

MRPS 1 Quartz Gauge Pressure (BQP1)

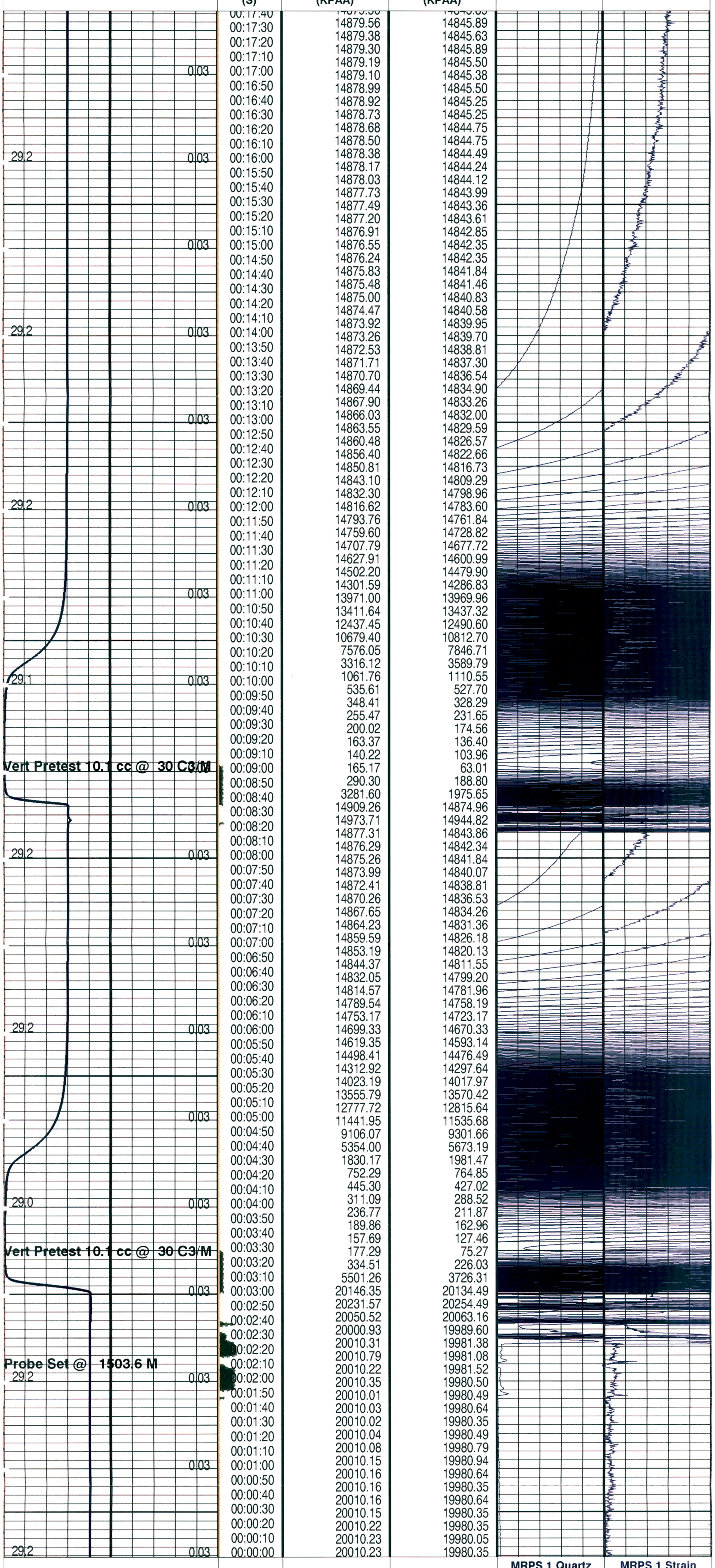
MRPS 1 Quartz Gauge Pressure (BQP1)
0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP)
0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM)
0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3)
5 (----) 0



<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)
	00:17:40	[illegible]	[illegible]
	00:17:30	14879.56	14845.89
	00:17:20	14879.38	14845.63
	00:17:10	14879.30	14845.89
0.03	00:17:00	14879.19	14845.50
	00:16:50	14879.10	14845.38
	00:16:40	14878.99	14845.50
	00:16:30	14878.92	14845.25
	00:16:20	14878.73	14845.25
	00:16:10	14878.68	14844.75
29.2 0.03	00:16:00	14878.50	14844.75
	00:15:50	14878.38	14844.49
	00:15:40	14878.17	14844.24
	00:15:30	14878.03	14844.12
	00:15:20	14877.73	14843.99
	00:15:10	14877.49	14843.36
0.03	00:15:00	14877.20	14843.61
	00:14:50	14876.91	14842.85
	00:14:40	14876.55	14842.35
	00:14:30	14876.24	14842.35
	00:14:20	14875.83	14841.84
	00:14:10	14875.48	14841.46
29.2 0.03	00:14:00	14875.00	14840.83
	00:13:50	14874.47	14840.58
	00:13:40	14873.92	14839.95
	00:13:30	14873.26	14839.70
	00:13:20	14872.53	14838.81
	00:13:10	14871.71	14837.30
0.03	00:13:00	14870.70	14836.54
	00:12:50	14869.44	14834.90
	00:12:40	14867.90	14833.26
	00:12:30	14866.03	14832.00
	00:12:20	14863.55	14829.59
	00:12:10	14860.48	14826.57
29.2 0.03	00:12:00	14856.40	14822.66
	00:11:50	14850.81	14816.73
	00:11:40	14843.10	14809.29
	00:11:30	14832.30	14798.96
	00:11:20	14816.62	14783.60
	00:11:10	14793.76	14761.84
0.03	00:11:00	14759.60	14728.82
	00:10:50	14707.79	14677.72
	00:10:40	14627.91	14600.99
	00:10:30	14502.20	14479.90
	00:10:20	14301.59	14286.83
	00:10:10	13971.00	13969.96
29.1 0.03	00:10:00	13411.64	13437.32
	00:09:50	12437.45	12490.60
	00:09:40	10679.40	10812.70
	00:09:30	7576.05	7846.71
	00:09:20	3316.12	3589.79
	00:09:10	1061.76	1110.55
	00:09:00	535.61	527.70
	00:08:50	348.41	328.29
	00:08:40	255.47	231.65
	00:08:30	200.02	174.56
	00:08:20	163.37	136.40
	00:08:10	140.22	103.96
29.2 0.03	00:08:00	165.17	63.01
	00:07:50	290.30	188.80
	00:07:40	3281.60	1975.65
	00:07:30	14909.26	14874.96
	00:07:20	14973.71	14944.82
	00:07:10	14877.31	14843.86
0.03	00:07:00	14876.29	14842.34
	00:06:50	14875.26	14841.84
	00:06:40	14873.99	14840.07
	00:06:30	14872.41	14838.81
	00:06:20	14870.26	14836.53
	00:06:10	14867.65	14834.26
29.2 0.03	00:06:00	14864.23	14831.36
	00:05:50	14859.59	14826.18
	00:05:40	14853.19	14820.13
	00:05:30	14844.37	14811.55
	00:05:20	14832.05	14799.20
	00:05:10	14814.57	14781.96
0.03	00:05:00	14789.54	14758.19
	00:04:50	14753.17	14723.17
	00:04:40	14699.33	14670.33
	00:04:30	14619.35	14593.14
	00:04:20	14498.41	14476.49
	00:04:10	14312.92	14297.64
29.0 0.03	00:04:00	14023.19	14017.97
	00:03:50	13555.79	13570.42
	00:03:40	12777.72	12815.64
	00:03:30	11441.95	11535.68
	00:03:20	9106.07	9301.66
	00:03:10	5354.00	5673.19
0.03	00:03:00	1830.17	1981.47
	00:02:50	752.29	764.85
	00:02:40	445.30	427.02
	00:02:30	311.09	288.52
	00:02:20	236.77	211.87
	00:02:10	189.86	162.96
29.2 0.03	00:02:00	157.69	127.46
	00:01:50	177.29	75.27
	00:01:40	334.51	226.03
	00:01:30	5501.26	3726.31
	00:01:20	20146.35	20134.49
	00:01:10	20231.57	20254.49
0.03	00:01:00	20050.52	20063.16
	00:00:50	20000.93	19989.60
	00:00:40	20010.31	19981.38
	00:00:30	20010.79	19981.08
	00:00:20	20010.22	19981.52
	00:00:10	20010.35	19980.50
29.2 0.03	00:00:00	20010.01	19980.49
		20010.03	19980.64
		20010.02	19980.35
		20010.04	19980.49
		20010.08	19980.79
		20010.15	19980.94
		20010.16	19980.64
		20010.16	19980.35
		20010.16	19980.64
		20010.15	19980.35
		20010.22	19980.35
		20010.23	19980.05
		20010.23	19980.35

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10

MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10

<---Temperature (BQT1) (DEGC)

Elapsed Time (ETIM) (S)

MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)

MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10

MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0

MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

MRPO Hydraulic Pump Output Volume (POPV)	MRPS 1 Flowline Fluid Resistivity (BFR1)
0 (C3) 10000	0 (OHMM) 25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 21:14

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_064LTP FN:86 PRODUCER 05-Mar-2008 21:14

File 64 Depth, M: 1503.56

5-Mar-2008 PETRO-CANADA

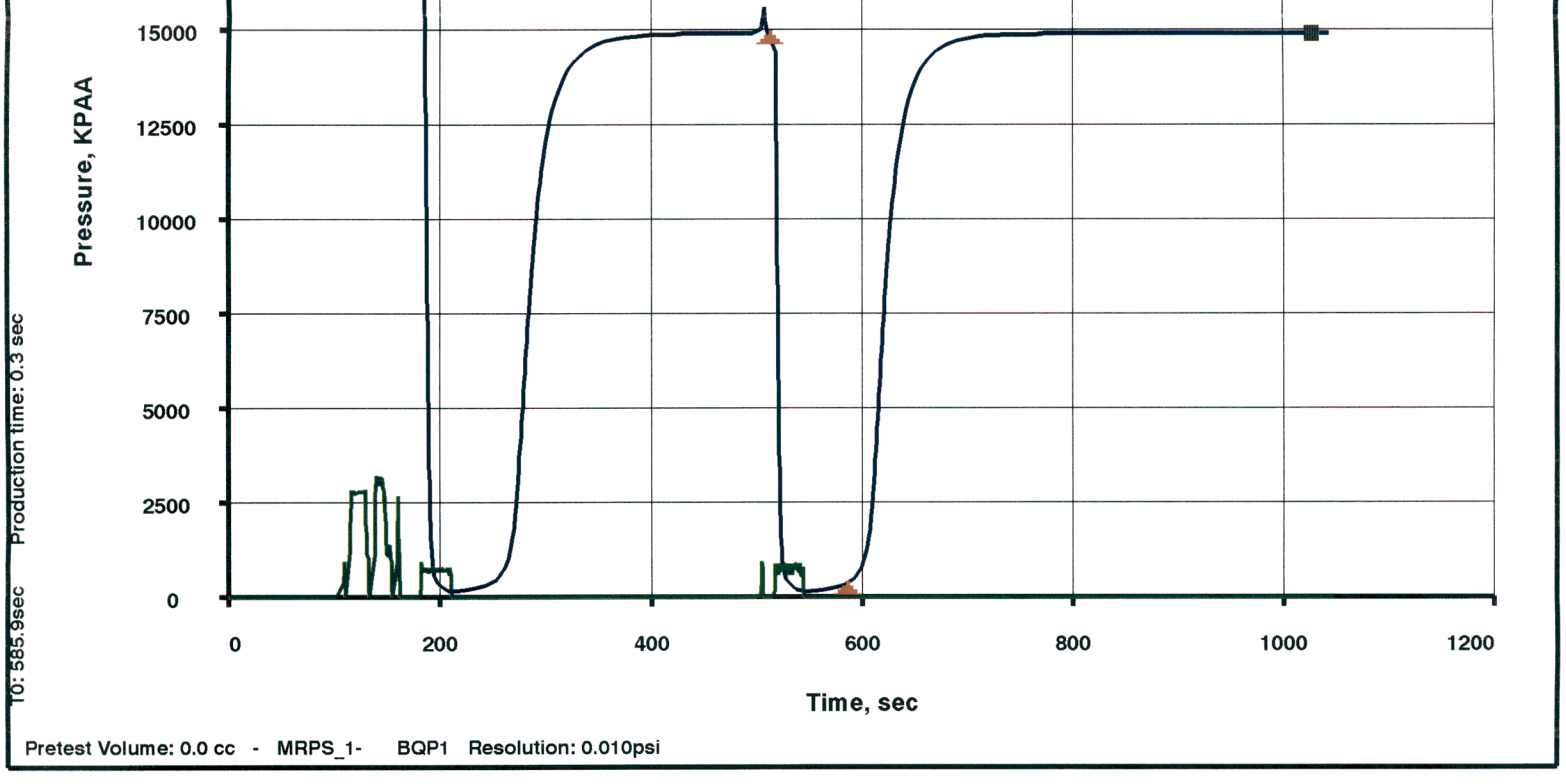
KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Volumetric Pretest - Large-Diameter probe

Mud Pressure before test, KPAA: 20010.04

Mud Pressure after test, KPAA: 14879.19



Output DLIS Files

DEFAULT	MDT_OFA_063LTP	FN:85	PRODUCER	05-Mar-2008 20:50	1515.0 M	3.2 M

Elapsed Time (s)	Event Summary
1203.9	Retract Single Probe Module (MRPS) 1
520.5	Vert Pretest 10.1 cc @ 30 C3/M Single Probe Module (MRPS) 1
222.0	Vert Pretest 10.1 cc @ 30 C3/M Single Probe Module (MRPS) 1
136.8	Probe Set @ 1515.0 M Single Probe Module (MRPS) 1
59.7	Initialize MDT Multi-Sample (MRMS) 1

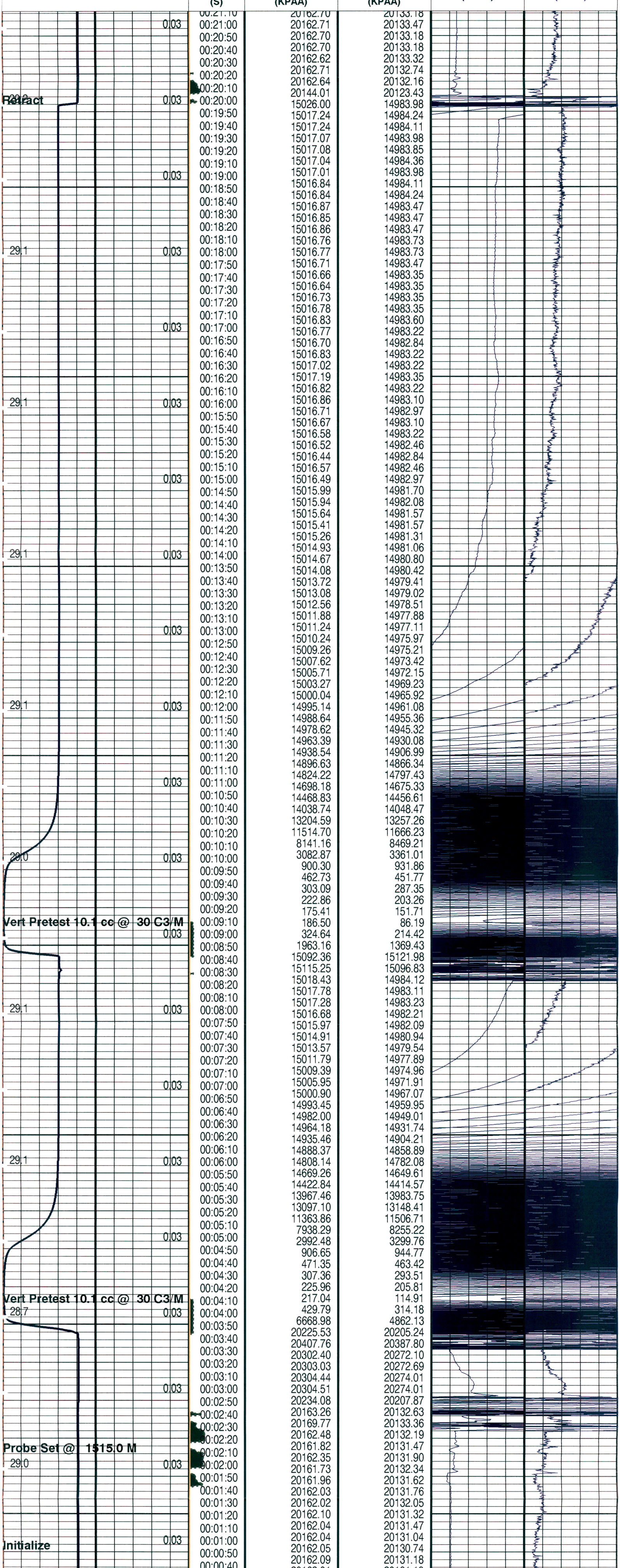
PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV)	MRPS 1 Flowline Fluid Resistivity (BFR1)	MRPS 1 Quartz Gauge Pressure (BQP1)
0 (C3) 10000	0 (OHMM) 25	0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP)	MRHY 1 Motor Speed (HMS1) (RPM)
0 (KPAG) 50000	0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)	MRPO Solenoid 3 Status (POS3)
	5 (----) 0



<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
29.0 0.03	00:00:30	20162.04	20130.89		
	00:00:20	20162.08	20131.18		
	00:00:10	20162.04	20130.46		
	00:00:00	20162.03	20130.31		

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0

MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000

MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 20:50

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_063LTP FN:85 PRODUCER 05-Mar-2008 20:50

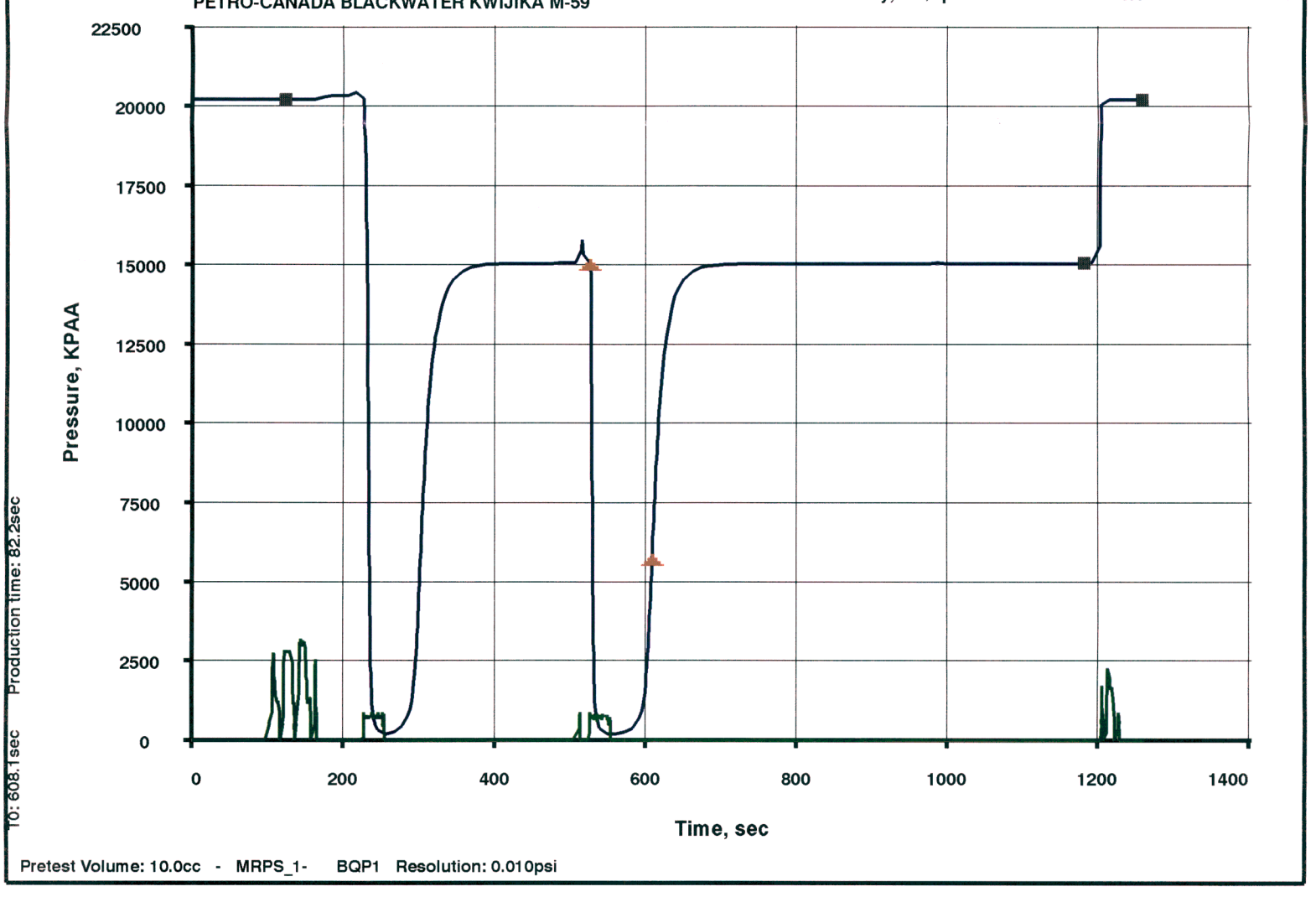
File 63 Depth, M: 1515.04 Volumetric Pretest - Large-Diameter probe

5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Mud Pressure before test, KPAA: 20162.32
Mud Pressure after test, KPAA: 20162.7
Last build-up pressure, KPAA: 15017.22
Draw-down mobility, md/cp: 0.1



Pretest Volume: 10.0cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT MDT_OFA_061LTP FN:83 PRODUCER 05-Mar-2008 19:55 1515.6 M 1.1 M

Elapsed Time (s)	Event Summary
398.1	Retract Single Probe Module (MRPS) 1
188.1	Vert Pretest 10.5 cc @ 60 C3/M Single Probe Module (MRPS) 1
124.2	Probe Set @ 1515.6 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000

MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0

<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
	00:07:10	20168.82	20138.78		
0.03	00:07:00	20168.83	20138.63		
	00:06:50	20169.42	20137.62		
	00:06:40	20171.41	20134.71		
Retract	00:06:30	425.95	20059.91		
	00:06:20	217.33	160.63		
	00:06:10	207.98	159.36		
28.3 0.03	00:06:00	206.84	158.23		
	00:05:50	205.68	156.88		
	00:05:40	204.46	155.89		
	00:05:30	203.34	154.76		
	00:05:20	202.11	153.70		
	00:05:10	200.96	152.36		
0.03	00:05:00	199.69	151.30		
	00:04:50	198.43	149.96		
	00:04:40	197.13	148.97		
	00:04:30	195.81	147.49		
	00:04:20	194.49	146.29		
	00:04:10	193.03	144.95		
28.1 0.03	00:04:00	191.51	143.68		
	00:03:50	189.84	141.85		
	00:03:40	187.83	140.36		
	00:03:30	185.40	138.04		
Vert Pretest 10.5 cc @ 60 C3/M	00:03:20	182.68	135.85		
	00:03:10	181.33	130.71		
0.03	00:03:00	203.64	107.98		
	00:02:50	1402.45	740.37		
	00:02:40	20383.98	20355.28		
	00:02:30	20390.82	20363.38		
	00:02:20	20375.98	20349.98		
	00:02:10	20362.18	20335.41		
28.5 Probe Set @ 1515.6 M 0.03	00:02:00	20231.64	20244.90		
	00:01:50	20159.53	20144.46		
	00:01:40	20168.59	20139.65		
	00:01:30	20169.04	20139.06		
	00:01:20	20168.85	20140.23		
	00:01:10	20168.23	20139.36		
0.03	00:01:00	20168.31	20139.50		
	00:00:50	20168.35	20139.36		
	00:00:40	20168.37	20138.77		
	00:00:30	20168.33	20139.36		
	00:00:20	20168.42	20139.21		
	00:00:10	20168.39	20139.36		
28.3 0.03	00:00:00	20168.43	20139.65		
		20168.48	20139.21		
		20168.49	20139.64		
		20168.50	20139.35		
		20168.56	20139.35		
		20168.54	20139.35		

<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0

MRPO Hydraulic Pressure (POHP)	MRHY 1 Motor Speed (HMS1)
0 (KPAG) 50000	0 8000

MRPS 1 Quartz Gauge Pressure (BQP1)
0 (KPAA) 50000

MRPO Hydraulic Pump Output Volume (POPV)	MRPS 1 Flowline Fluid Resistivity (BFR1)
0 (C3) 10000	0 (OHMM) 25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 19:55

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_061LTP FN:83 PRODUCER 05-Mar-2008 19:55

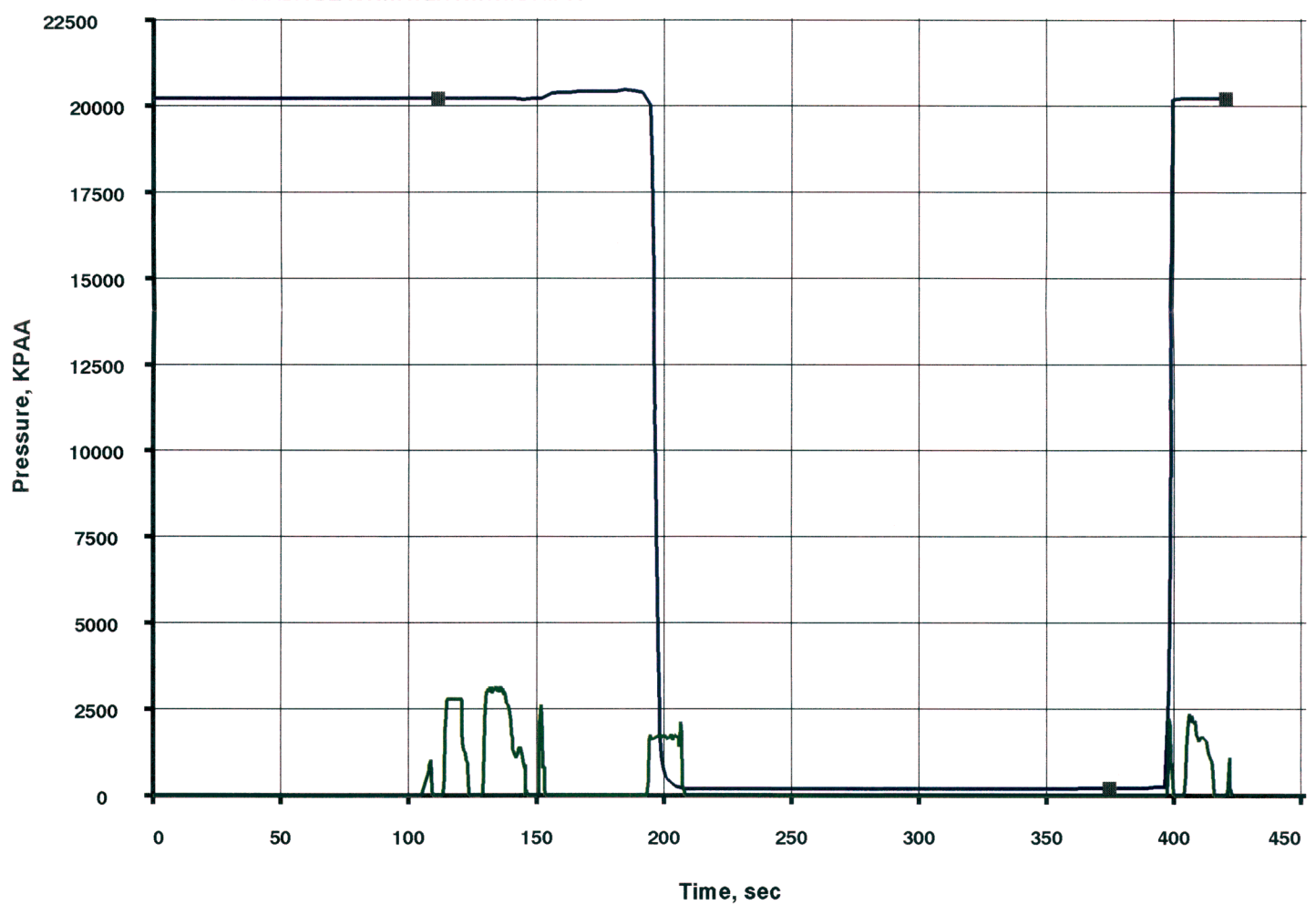
File 61 Depth, M: 1515.63 Dry Test - Large-Diameter probe

5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Mud Pressure before test, KPAA: 20168.77
Mud Pressure after test, KPAA: 20169.02
Last build-up pressure, KPAA: 207.51



Pretest Volume: 10.5cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT MDT_OFA_060LTP FN:82 PRODUCER 05-Mar-2008 19:45 1519.3 M 1.1 M

Elapsed Time (s)	Event Summary
390.9	Retract Single Probe Module (MRPS) 1
228.0	Vert Pretest 10.3 cc @ 60 C3/M Single Probe Module (MRPS) 1
178.5	Probe Set @ 1519.3 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

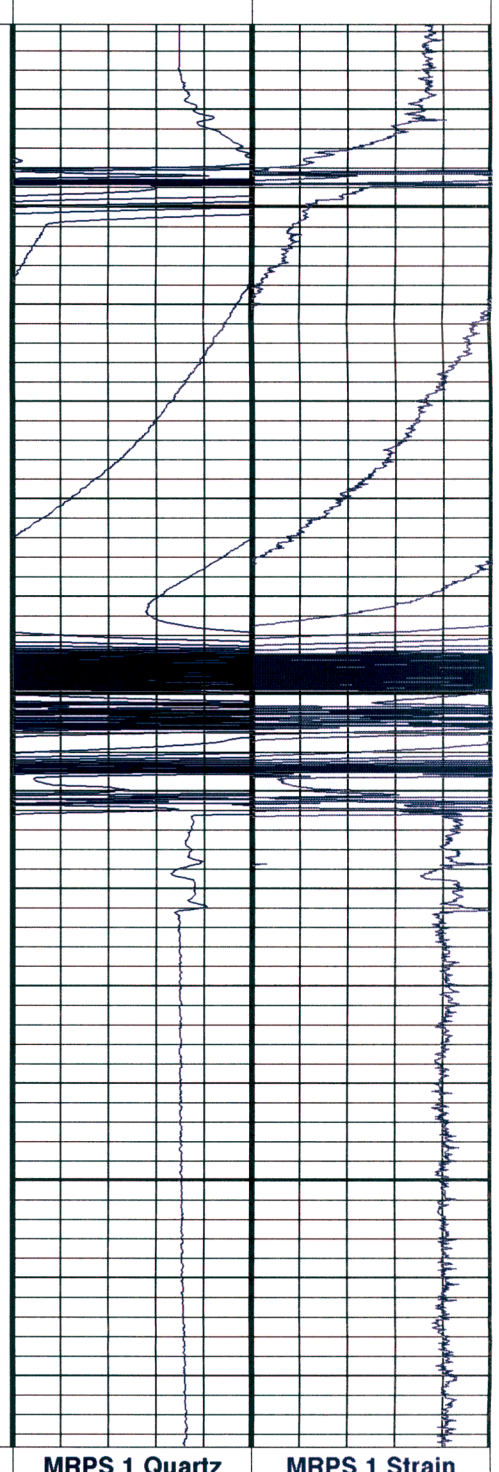
MRPO Hydraulic Pump Output Volume (POPV)	MRPS 1 Flowline Fluid Resistivity (BFR1)
0 (C3) 10000	0 (OHMM) 25

MRPS 1 Quartz Gauge Pressure (BQP1)
0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP)	MRHY 1 Motor Speed (HMS1)
0 (KPAG) 50000	0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)	MRPO Solenoid 3 Status (POS3)
	5 (----) 0

<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
	00:07:10	20216.87	20187.02		
0.03	00:07:00	20216.93	20187.17		
	00:06:50	20217.27	20186.73		
	00:06:40	20218.55	20186.44		
	00:06:30	20220.32	20182.06		
Retract	00:06:20	235.59	144.55		
	00:06:10	193.81	142.01		
	00:06:00	190.74	141.16		
28.0 0.03	00:05:50	190.00	140.32		
	00:05:40	189.25	140.03		
	00:05:30	188.39	138.98		
	00:05:20	187.65	138.34		
	00:05:10	186.73	137.28		
0.03	00:05:00	185.83	136.65		
	00:04:50	184.68	135.87		
	00:04:40	183.20	134.39		
	00:04:30	181.62	132.91		
	00:04:20	179.72	131.64		
	00:04:10	177.74	129.46		
Vert Pretest 10.3 cc @ 60 C3/M	00:04:00	175.79	126.85		
27.9 0.03	00:03:50	178.00	118.05		
	00:03:40	276.65	122.35		
	00:03:30	19821.99	17725.11		
	00:03:20	20476.23	20486.13		
	00:03:10	20416.76	20389.31		
0.03	00:03:00	20227.44	20197.09		
Probe Set @ 1519.3 M	00:02:50	20223.23	20322.77		
	00:02:40	20217.25	20188.62		
	00:02:30	20217.75	20188.47		
	00:02:20	20217.50	20188.33		
	00:02:10	20216.86	20187.89		
28.0 0.03	00:02:00	20216.90	20187.89		
	00:01:50	20216.95	20187.89		
	00:01:40	20216.90	20188.04		
	00:01:30	20216.94	20188.18		
	00:01:20	20216.98	20187.89		
	00:01:10	20216.94	20187.89		
0.03	00:01:00	20216.94	20188.03		
	00:00:50	20216.97	20188.32		
	00:00:40	20216.97	20188.18		
	00:00:30	20217.02	20187.74		
	00:00:20	20217.03	20187.74		
	00:00:10	20217.01	20188.03		
28.0 0.03	00:00:00	20217.08	20188.47		
		20217.08	20188.03		
		20217.12	20188.18		
		20217.16	20187.88		
		20217.17	20188.18		
		20217.10	20187.74		



<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)	MRPO Solenoid 3 Status (POS3)
	5 (----) 0

MRPO Hydraulic Pressure (POHP)	MRHY 1 Motor Speed (HMS1)
0 (KPAG) 50000	0 8000

MRPS 1 Quartz Gauge Pressure (BQP1)
0 (KPAA) 50000

MRPO Hydraulic Pump Output Volume (POPV)	MRPS 1 Flowline Fluid Resistivity (BFR1)
0 (C3) 10000	0 (OHMM) 25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 19:45

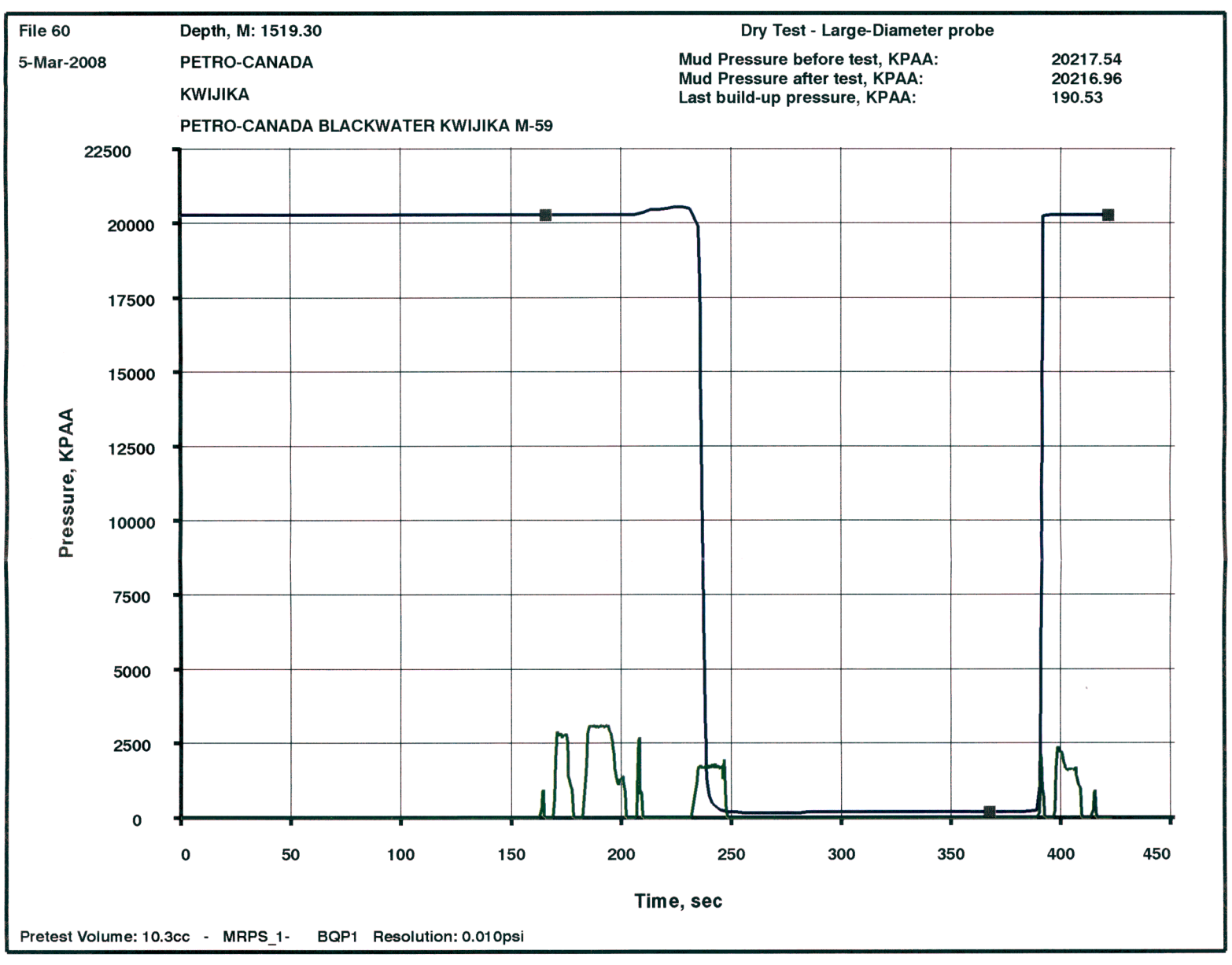
OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_060LTP FN:82 PRODUCER 05-Mar-2008 19:45



Output DLIS Files

DEFAULT MDT_OFA_059LTP FN:81 PRODUCER 05-Mar-2008 19:32 1521.3 M 1.1 M

Elapsed Time (s)	Event Summary
394.5	Retract Single Probe Module (MRPS) 1
188.4	Vert Pretest 10.5 cc @ 60 C3/M Single Probe Module (MRPS) 1
135.0	Probe Set @ 1521.3 M Single Probe Module (MRPS) 1

PIP SUMMARY

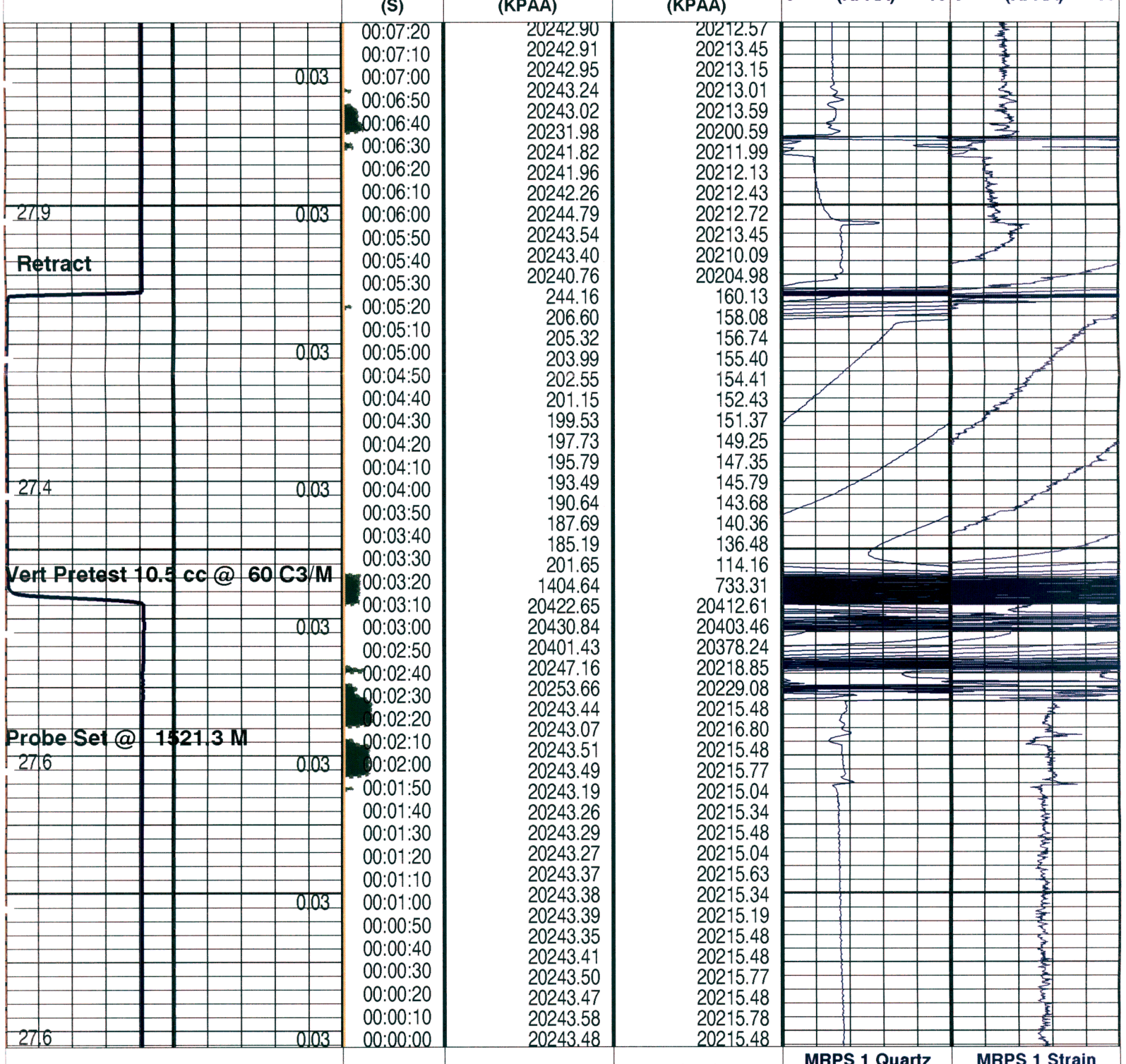
Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000 | MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000 | MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM) | MRPO Solenoid 3 Status (POS3) 5 (----) 0



<---Temperature (BQT1) (DEGC)
Elapsed Time (ETIM) (S)
MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)
MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10
MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)
MRPO Solenoid 3 Status (POS3) 5 (----) 0
MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000
MRHY 1 Motor Speed (HMS1) (RPM) 0 8000
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000
MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000
MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		

QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 19:32

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_059LTP FN:81 PRODUCER 05-Mar-2008 19:32

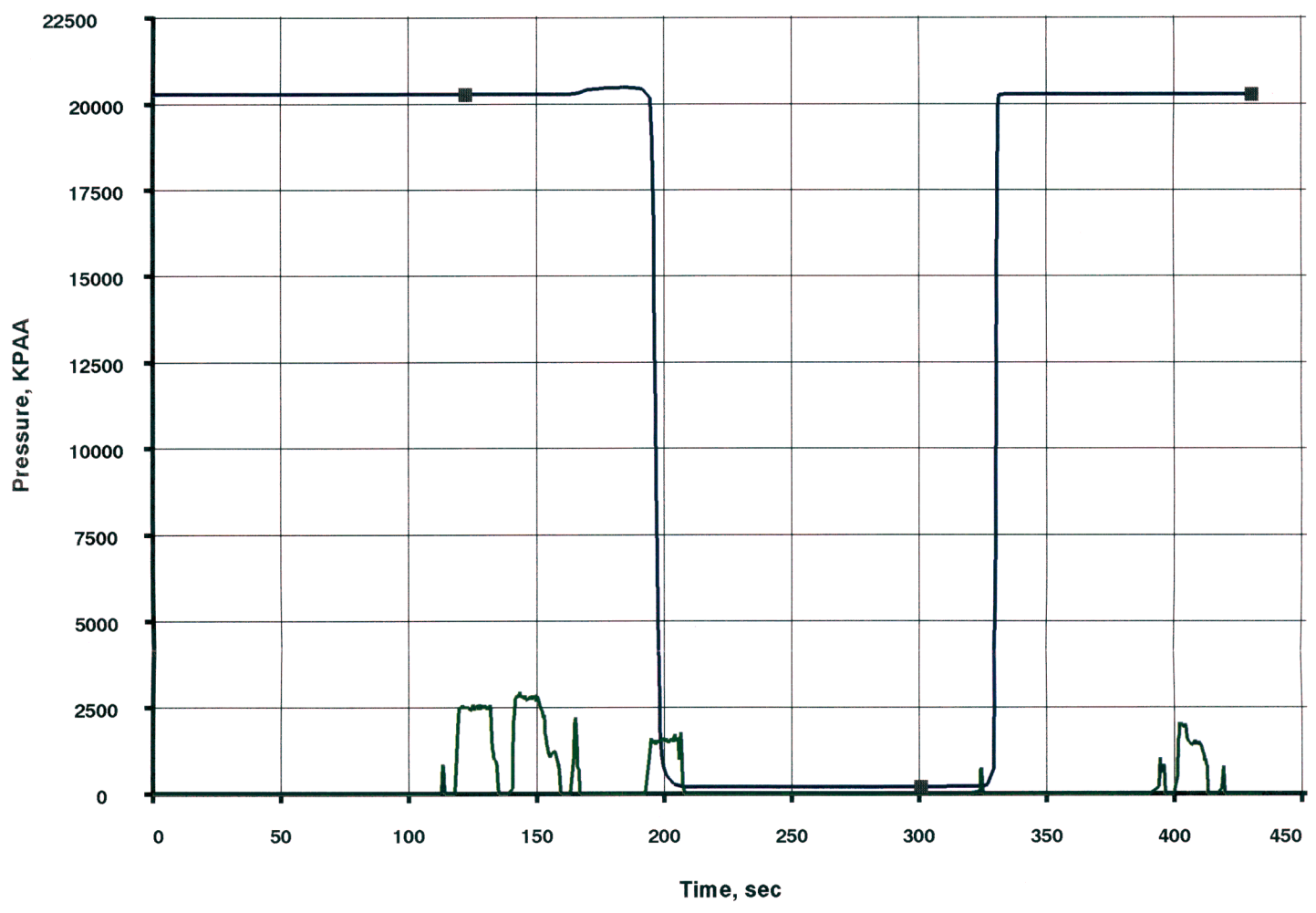
File 59 Depth, M: 1521.31 Dry Test - Large-Diameter probe

5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Mud Pressure before test, KPAA: 20243.53
Mud Pressure after test, KPAA: 20242.93
Last build-up pressure, KPAA: 204.52



Pretest Volume: 10.5cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT MDT_OFA_058LTP FN:80 PRODUCER 05-Mar-2008 19:15 1563.0 M 1.4 M

Elapsed Time (s)	Event Summary
480.3	Retract Single Probe Module (MRPS) 1
417.9	Vert Pretest 0.5 cc @ 60 C3/M Single Probe Module (MRPS) 1
337.5	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
246.3	Vert Pretest 10.3 cc @ 60 C3/M Single Probe Module (MRPS) 1
165.6	Probe Set @ 1563.0 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000

MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

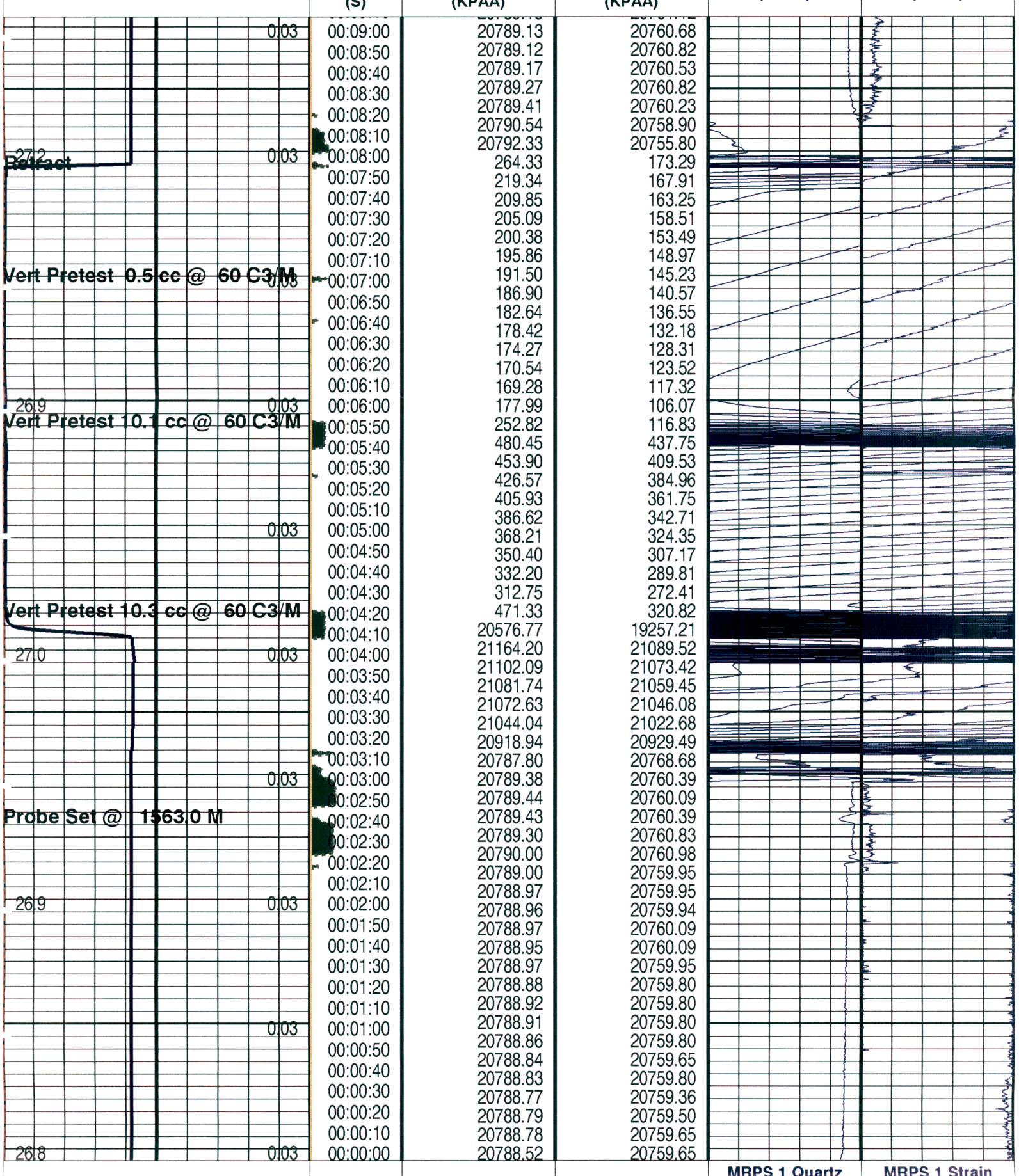
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0



<---Temperature (BQT1) (DEGC)
Elapsed Time (ETIM) (S)
MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)
MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10
MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)
MRPO Solenoid 3 Status (POS3) 5 (----) 0
MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000
MRHY 1 Motor Speed (HMS1) (RPM) 0 8000
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000
MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000
MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25
PIP SUMMARY
Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		

	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 19:15

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_058LTP FN:80 PRODUCER 05-Mar-2008 19:15

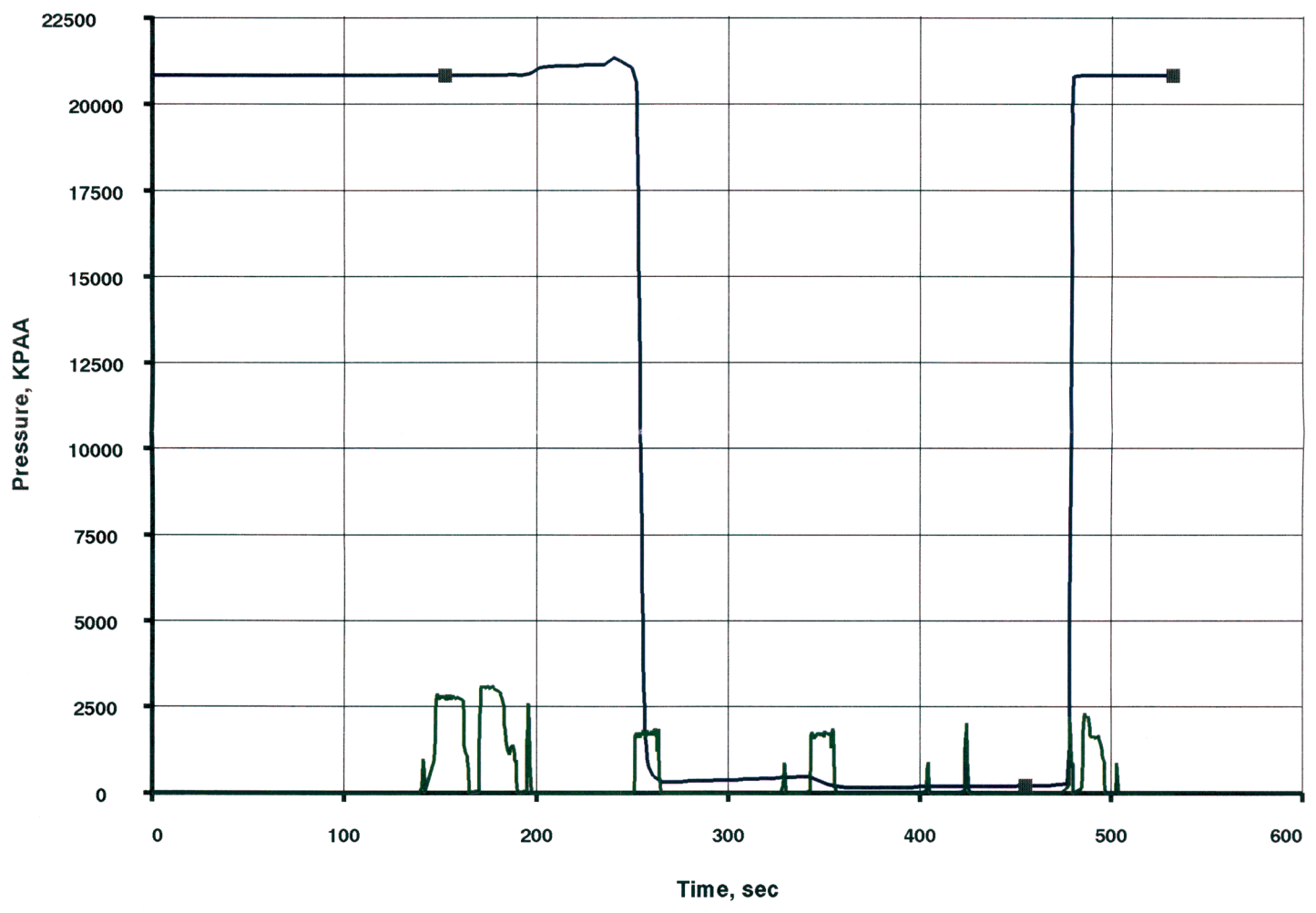
File 58 Depth, M: 1563.01 Dry Test - Large-Diameter probe

5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Mud Pressure before test, KPAA: 20789.34
Mud Pressure after test, KPAA: 20789.13
Last build-up pressure, KPAA: 208.5



Pretest Volume: 0.5 cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT MDT_OFA_057LTP FN:79 PRODUCER 05-Mar-2008 18:50 1535.5 M 3.1 M

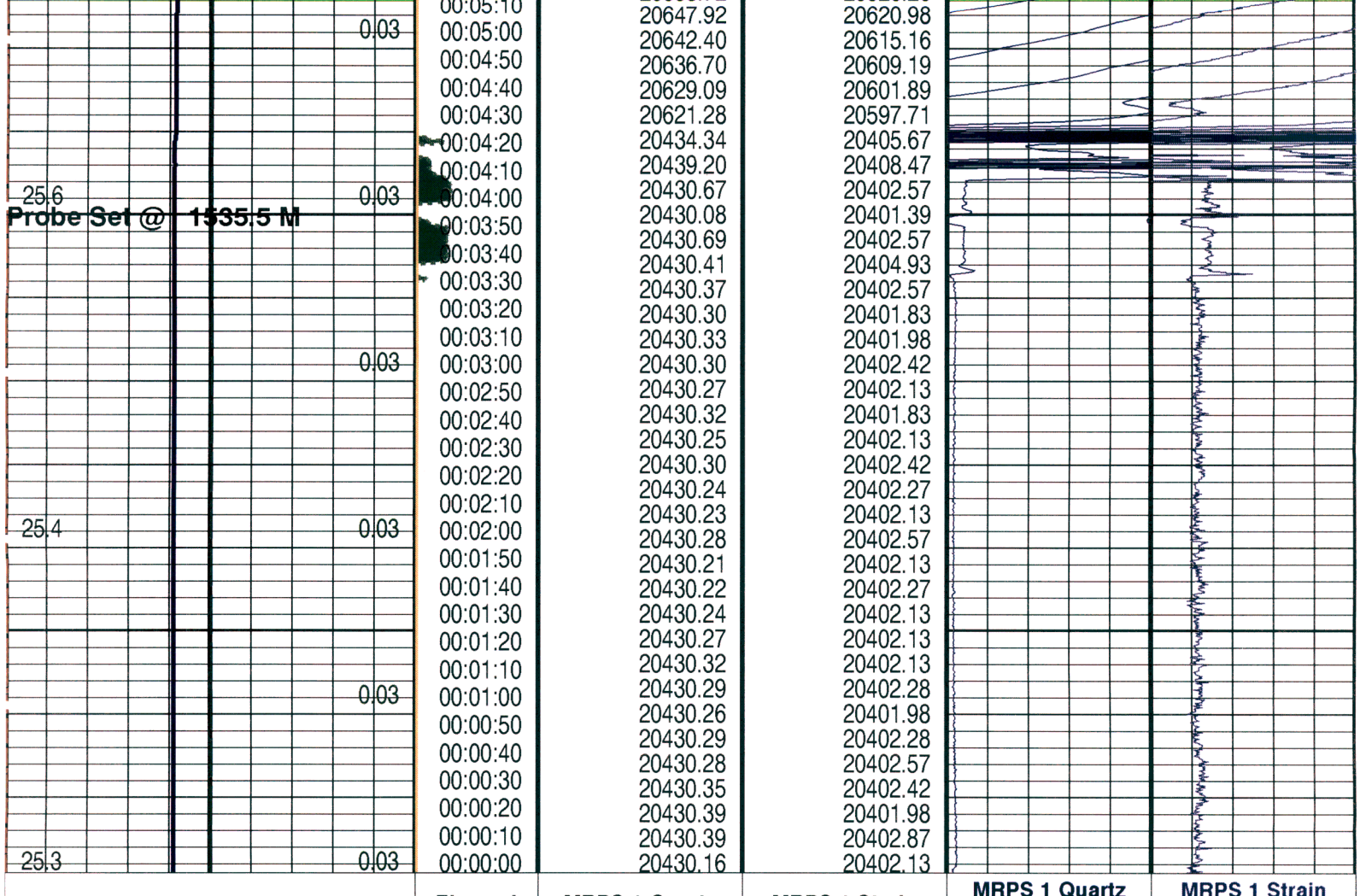
Elapsed Time (s)	Event Summary
1128.9	Retract Single Probe Module (MRPS) 1
601.5	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
330.3	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
236.7	Probe Set @ 1535.5 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV)	MRPS 1 Flowline Fluid Resistivity (BFR1)	MRPS 1 Quartz Gauge Pressure (BQP1)	MRPO Hydraulic Pressure (POHP)	MRHY 1 Motor Speed (HMS1) (RPM)	MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)	MRPO Solenoid 3 Status (POS3)
0 (C3) 10000	0 (OHMM) 25	0 (KPAA) 50000	0 (KPAG) 50000	0 8000		5 (----) 0

<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
26.5	00:20:00	20428.94	20400.19		
	00:19:50	20428.95	20399.89		
	00:19:40	20428.92	20399.75		
	00:19:30	20428.93	20399.75		
	00:19:20	20428.94	20399.45		
	00:19:10	20429.16	20399.75		
	00:19:00	20428.66	20398.42		
	00:18:50	20429.71	20397.09		
Retract	00:18:40	16582.76	20382.65		
	00:18:30	15263.79	15227.56		
	00:18:20	15261.60	15227.05		
	00:18:10	15261.39	15226.92		
26.4	00:18:00	15261.28	15226.92		
	00:17:50	15261.37	15227.05		
	00:17:40	15261.52	15227.56		
	00:17:30	15261.56	15226.92		
	00:17:20	15261.45	15227.18		
	00:17:10	15261.39	15226.67		
	00:17:00	15261.52	15227.18		
	00:16:50	15261.59	15227.18		
	00:16:40	15261.51	15227.05		
	00:16:30	15261.47	15227.05		
	00:16:20	15261.44	15226.80		
	00:16:10	15261.44	15226.67		
26.3	00:16:00	15261.29	15226.54		
	00:15:50	15261.26	15226.55		
	00:15:40	15261.17	15226.93		
	00:15:30	15261.19	15226.93		
	00:15:20	15261.11	15226.80		
	00:15:10	15261.05	15226.67		
	00:15:00	15261.19	15226.93		
	00:14:50	15260.98	15226.80		
	00:14:40	15260.78	15226.55		
	00:14:30	15260.47	15225.91		
	00:14:20	15260.18	15225.91		
	00:14:10	15259.90	15225.53		
26.2	00:14:00	15259.50	15225.28		
	00:13:50	15259.05	15224.64		
	00:13:40	15258.55	15224.14		
	00:13:30	15257.97	15223.38		
	00:13:20	15257.22	15222.49		
	00:13:10	15256.24	15222.11		
	00:13:00	15254.96	15220.71		
	00:12:50	15253.30	15218.94		
	00:12:40	15251.14	15217.29		
	00:12:30	15248.04	15213.86		
	00:12:20	15243.34	15209.30		
	00:12:10	15236.33	15202.33		
26.1	00:12:00	15224.93	15191.44		
	00:11:50	15206.33	15173.47		
	00:11:40	15174.92	15143.54		
	00:11:30	15119.62	15089.88		
	00:11:20	15019.65	14994.67		
	00:11:10	14835.85	14818.59		
	00:11:00	14487.45	14487.79		
	00:10:50	13810.78	13848.85		
	00:10:40	12472.39	12582.58		
	00:10:30	9812.37	10021.63		
	00:10:20	5492.44	5795.30		
Vert Pretest 10.2 cc @ 60 C3/M	00:10:10	2227.55	2333.23		
25.9	00:10:00	1131.45	1144.10		
	00:09:50	724.80	711.59		
	00:09:40	519.08	504.18		
	00:09:30	400.60	380.59		
	00:09:20	328.21	294.74		
	00:09:10	861.15	638.38		
	00:09:00	15299.75	15323.65		
	00:08:50	15349.89	15320.46		
	00:08:40	15263.70	15229.22		
	00:08:30	15263.38	15229.47		
	00:08:20	15263.52	15229.60		
	00:08:10	15264.09	15230.36		
25.8	00:08:00	15264.21	15230.49		
	00:07:50	15264.42	15230.36		
	00:07:40	15265.03	15230.74		
	00:07:30	15266.05	15232.01		
	00:07:20	15266.50	15232.39		
	00:07:10	15265.30	15231.50		
	00:07:00	15264.73	15229.98		
	00:06:50	15261.15	15228.08		
	00:06:40	15250.58	15217.17		
	00:06:30	15225.05	15192.83		
	00:06:20	15193.40	15162.85		
	00:06:10	15137.50	15108.86		
25.4	00:06:00	15030.55	15007.68		
	00:05:50	14814.68	14803.85		
Vert Pretest 10.2 cc @ 60 C3/M	00:05:40	14372.02	14386.12		
	00:05:30	13423.33	13499.63		
	00:05:20	11346.64	11525.34		
	00:05:10	7251.67	7589.87		
	00:05:00	2878.65	3074.56		
	00:04:50	1290.34	1324.69		
	00:04:40	774.44	766.81		
	00:04:30	530.81	520.59		
	00:04:20	394.65	376.54		
	00:04:10	925.80	685.65		
	00:04:00	20551.92	20553.35		
	00:03:50	20758.24	20782.10		
	00:03:40	20653.72	20626.20		



<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
25.6	00:05:10	20647.92	20620.98		
0.03	00:05:00	20642.40	20615.16		
	00:04:50	20636.70	20609.19		
	00:04:40	20629.09	20601.89		
	00:04:30	20621.28	20597.71		
	00:04:20	20434.34	20405.67		
	00:04:10	20439.20	20408.47		
0.03	00:04:00	20430.67	20402.57		
	00:03:50	20430.08	20401.39		
	00:03:40	20430.69	20402.57		
	00:03:30	20430.41	20404.93		
	00:03:20	20430.37	20402.57		
	00:03:10	20430.30	20401.83		
0.03	00:03:00	20430.33	20401.98		
	00:02:50	20430.27	20402.13		
	00:02:40	20430.32	20401.83		
	00:02:30	20430.25	20402.13		
	00:02:20	20430.30	20402.42		
	00:02:10	20430.24	20402.27		
25.4	00:02:00	20430.23	20402.13		
0.03	00:01:50	20430.28	20402.57		
	00:01:40	20430.21	20402.13		
	00:01:30	20430.22	20402.27		
	00:01:20	20430.24	20402.13		
	00:01:10	20430.27	20402.13		
0.03	00:01:00	20430.32	20402.13		
	00:00:50	20430.29	20402.28		
	00:00:40	20430.26	20401.98		
	00:00:30	20430.29	20402.28		
	00:00:20	20430.28	20402.57		
	00:00:10	20430.35	20402.42		
25.3	00:00:00	20430.39	20401.98		
0.03		20430.39	20402.87		
		20430.16	20402.13		

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0

MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000

MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 18:50

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_057LTP FN:79 PRODUCER 05-Mar-2008 18:50

File 57 Depth, M: 1535.51

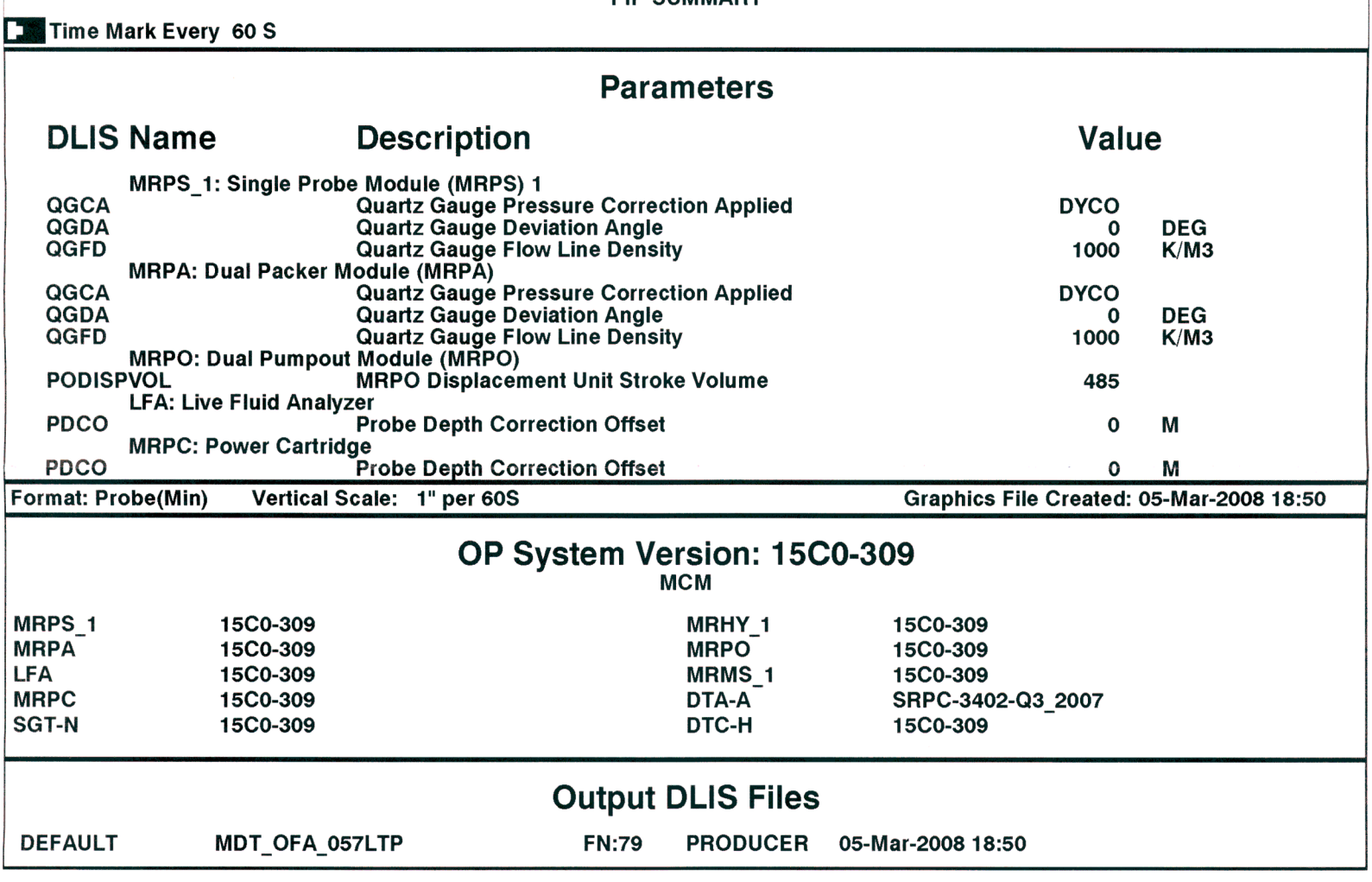
5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Volumetric Pretest - Large-Diameter probe

Mud Pressure before test, KPAA:	20430.74
Mud Pressure after test, KPAA:	20428.96
Last build-up pressure, KPAA:	15261.57
Draw-down mobility, md/cp:	0.2



Pretest Volume: 10.0cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT MDT_OFA_056LTP FN:78 PRODUCER 05-Mar-2008 18:27 1562.5 M 2.4 M

Elapsed Time (s)	Event Summary
895.5	Retract Single Probe Module (MRPS) 1
727.2	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
471.3	Vert Pretest 10.4 cc @ 60 C3/M Single Probe Module (MRPS) 1
365.4	Probe Set @ 1562.5 M Single Probe Module (MRPS) 1
305.1	Initialize MDT Multi-Sample (MRMS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000

MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000

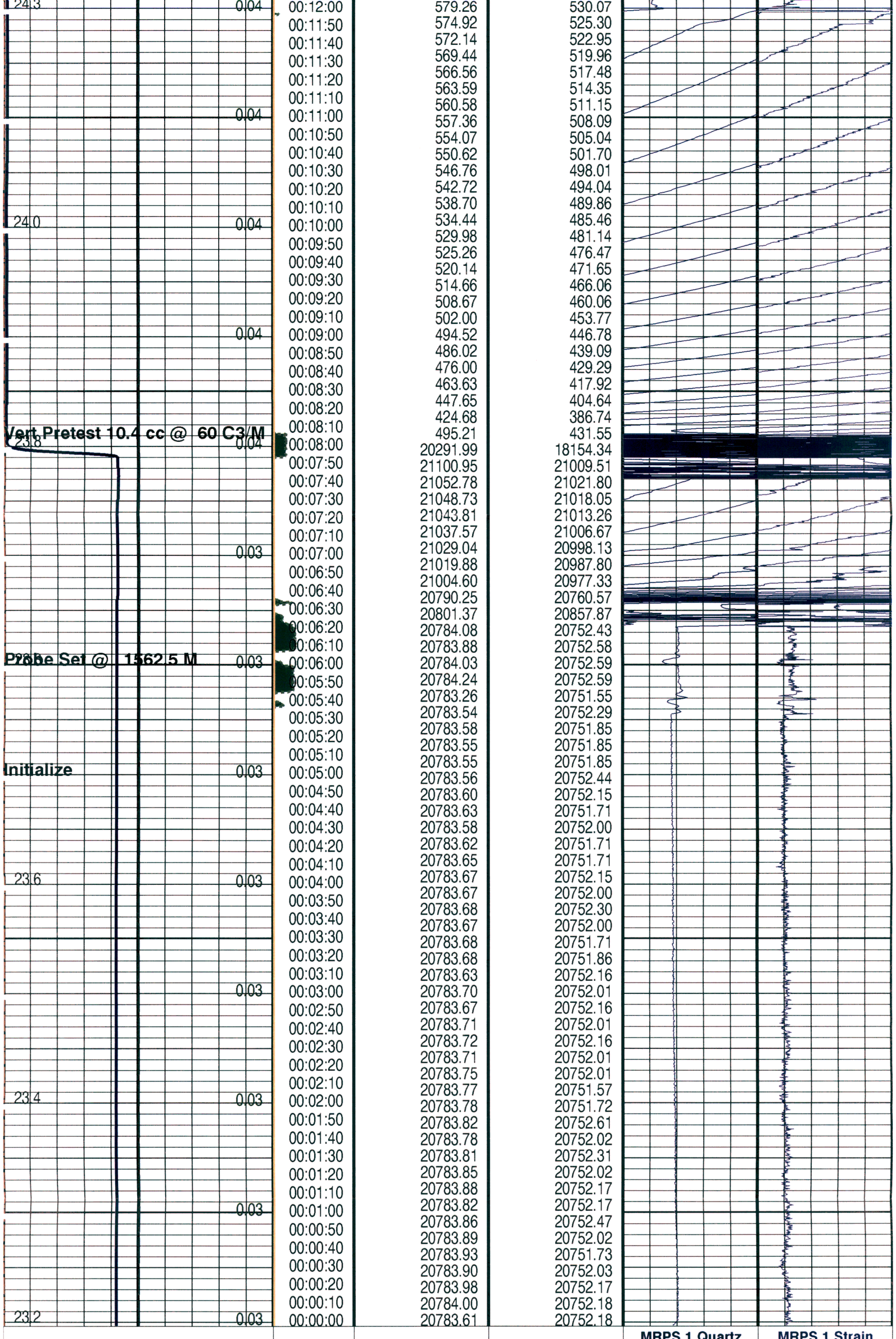
MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)

MRPO Solenoid 3 Status (POS3) 5 (----) 0

<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
	00:15:50	20782.26	20753.58		
	00:15:40	20782.30	20753.73		
	00:15:30	20782.31	20753.28		
	00:15:20	20782.84	20753.29		
	00:15:10	20783.77	20751.96		
0.03	00:15:00	20785.50	20747.37		
Retract	00:14:50	315.31	219.84		
	00:14:40	271.33	218.63		
	00:14:30	269.25	218.35		
	00:14:20	268.31	217.42		
	00:14:10	267.66	216.42		
24.5	00:14:00	266.87	215.64		
0.04	00:13:50	266.09	215.00		
	00:13:40	265.23	214.08		
	00:13:30	264.34	213.30		
	00:13:20	263.41	212.44		
	00:13:10	262.38	211.45		
0.04	00:13:00	261.31	210.38		
	00:12:50	260.16	209.32		
	00:12:40	258.67	208.25		
	00:12:30	257.11	206.83		
Vert Pretest 10.1 cc @ 60 C3/M	00:12:20	256.57	204.27		
	00:12:10	269.18	197.81		
		402.35	281.21		
		583.82	537.55		



<---Temperature (BQT1) (DEGC)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (KPAA)	MRPS 1 Strain Gauge Pressure (BSG1) (KPAA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 10	MRPS 1 Strain Gauge Pressure (BSG1) 0 (KPAA) 10
MRPS 1 Flowline Fluid Resistivity---> (BFR1) (OHMM)	MRPO Solenoid 3 Status (POS3) 5 (----) 0				
MRPO Hydraulic Pressure (POHP) 0 (KPAG) 50000	MRHY 1 Motor Speed (HMS1) (RPM) 0 8000				
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (KPAA) 50000					
MRPO Hydraulic Pump Output Volume (POPV) 0 (C3) 10000	MRPS 1 Flowline Fluid Resistivity (BFR1) 0 (OHMM) 25				

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPS_1: Single Probe Module (MRPS) 1		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPA: Dual Packer Module (MRPA)		
QGCA	Quartz Gauge Pressure Correction Applied	DYCO	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1000	K/M3
	MRPO: Dual Pumpout Module (MRPO)		
PODISPVOL	MRPO Displacement Unit Stroke Volume	485	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: Probe(Min) Vertical Scale: 1" per 60S Graphics File Created: 05-Mar-2008 18:27

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_056LTP FN:78 PRODUCER 05-Mar-2008 18:27

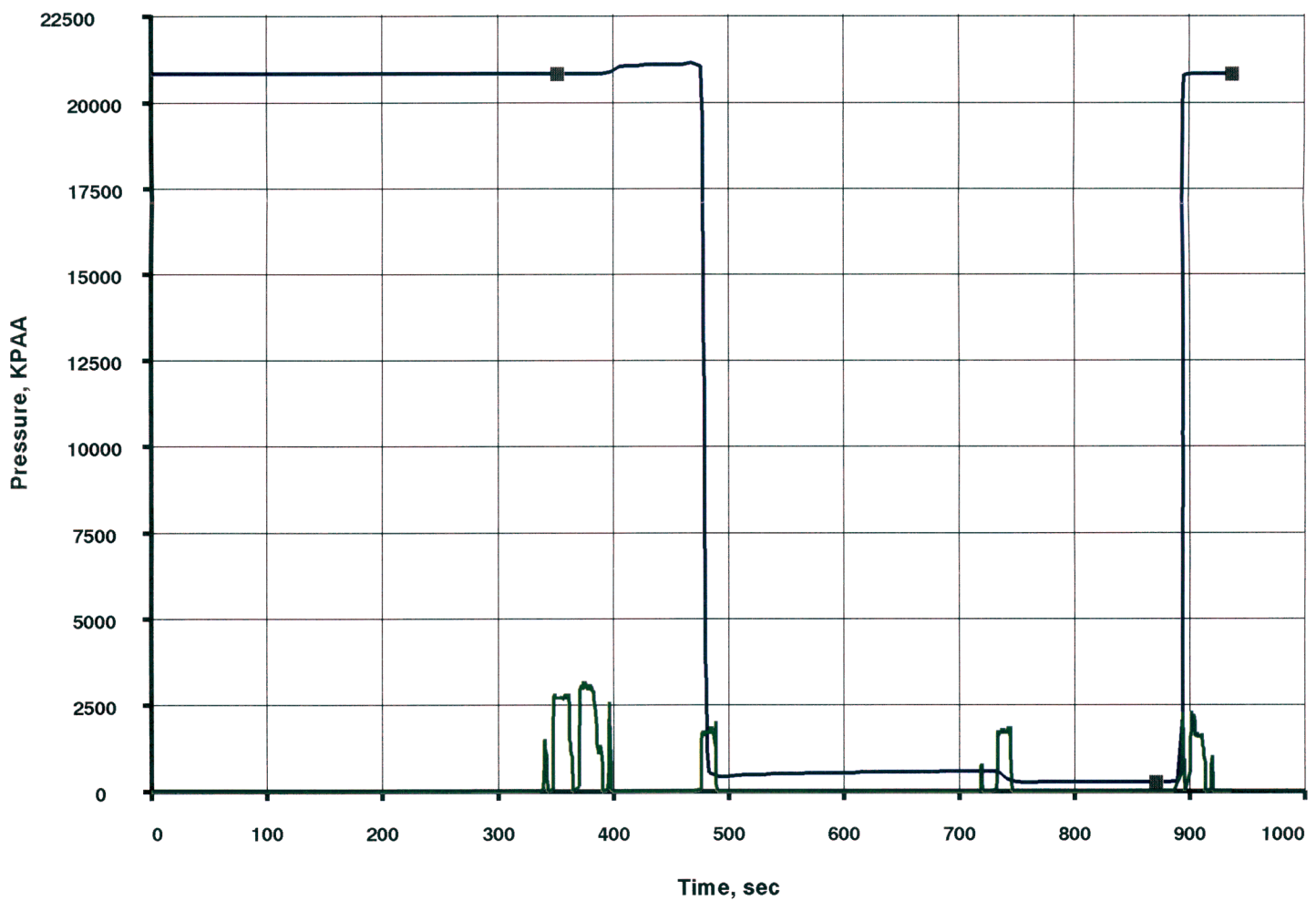
File 56 Depth, M: 1562.50 Dry Test - Conventional probe

5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Mud Pressure before test, KPAA: 20784.11
Mud Pressure after test, KPAA: 20782.27
Last build-up pressure, KPAA: 269.1



Pretest Volume: 10.1cc - MRPS_1- BQP1 Resolution: 0.010psi

Output DLIS Files

DEFAULT MDT_OFA_055LUP FN:77 PRODUCER 05-Mar-2008 18:04 1597.3 M 1423.9 M

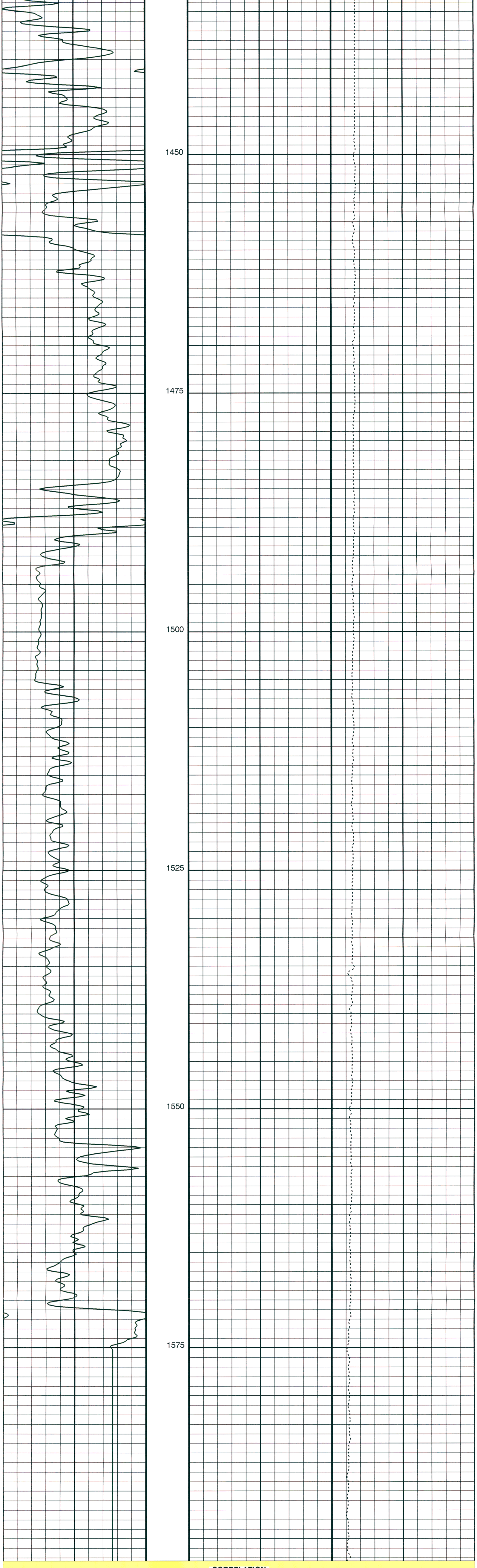
OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Gamma Ray (GR) 0 (GAPI) 150		Tension (TENS) 20000 (N) 0

CORRELATION



CORRELATION

Gamma Ray (GR)			Tension (TENS)		
0	(GAPI)	150	20000	(N)	0

Parameters

DLIS Name	Description	Value	
	LFA: Live Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: CORRELATION Vertical Scale: 1:240 Graphics File Created: 05-Mar-2008 18:04

OP System Version: 15C0-309

MCM

MRPS_1	15C0-309	MRHY_1	15C0-309
MRPA	15C0-309	MRPO	15C0-309
LFA	15C0-309	MRMS_1	15C0-309
MRPC	15C0-309	DTA-A	SRPC-3402-Q3_2007
SGT-N	15C0-309	DTC-H	15C0-309

Output DLIS Files

DEFAULT MDT_OFA_055LUP FN:77 PRODUCER 05-Mar-2008 18:04

File 49 Depth, M: 1155.03 Dry Test - Conventional probe

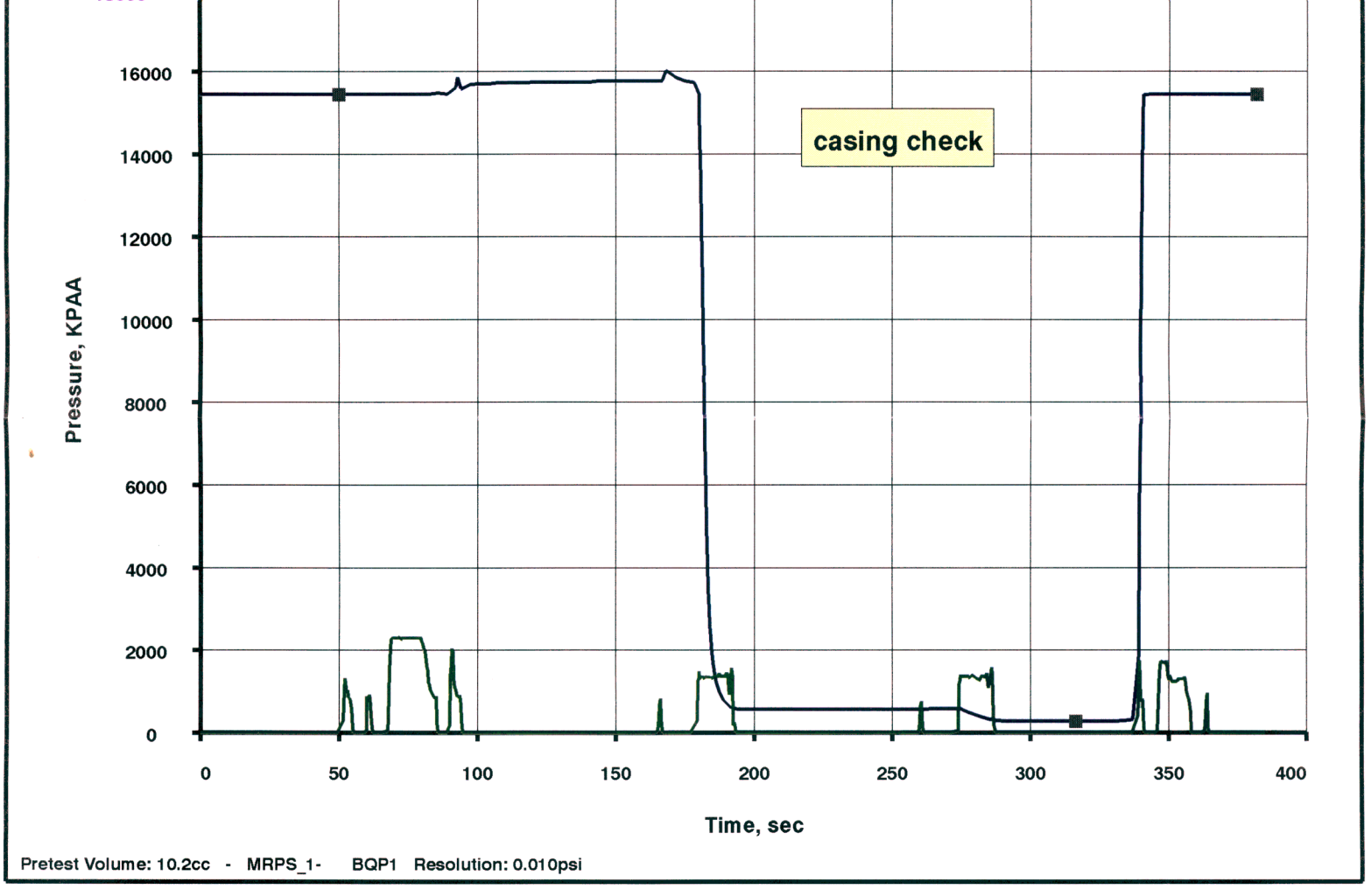
5-Mar-2008 PETRO-CANADA

KWIJIKA

PETRO-CANADA BLACKWATER KWIJIKA M-59

Mud Pressure before test, KPAA:	15419.91
Mud Pressure after test, KPAA:	15418.57
Last build-up pressure, KPAA:	275.38

18000



Strain Gauge (Packer Module)

Serial Number:	211482
Range:	10K
Calibration Date:	29-AUG-2007
Mean Quadratic Deviation:	0.6719
Offset:	2563.0000 KPA
Calibration Pressure Unit:	KPAG
Calibration Temperature Unit:	DEGC

	G	H	I	J
0	2.068632e+000	1.006475e+000	-7.147552e-008	-2.731947e-014
1	-3.064432e-001	-1.810767e-005	-4.607017e-011	7.861876e-016
2	1.049161e-002	8.278579e-008	4.030465e-013	-5.532504e-018
3	-2.629139e-005	2.697010e-011	-8.646375e-016	0.000000e+000

Vert Strain Gauge (Single Probe Module 1)

Serial Number:	211481
Range:	10K
Calibration Date:	01/12/07
Mean Quadratic Deviation:	0.8816
Offset:	2900.0000 KPA
Calibration Pressure Unit:	KPAA
Calibration Temperature Unit:	DEGC

	G	H	I	J
0	9.054508e+000	1.006606e+000	-9.615383e-008	2.746323e-013
1	-7.284809e-001	-2.720604e-005	5.739632e-010	-6.719172e-015
2	1.484182e-002	1.451808e-007	-3.799387e-012	3.494917e-017
3	-3.769877e-005	-6.636955e-011	4.520900e-015	0.000000e+000

MASTER CALIBRATION SUMMARY: Quartz Gauge (Single Probe Module 1)

Calibration Pressure Unit:	PSIA
Calibration Temperature Unit:	DEGC
Sensor Comment:	:
Sensor Serial Number:	0084
Sensor Calibration Date (DDMMYY):	100507
Pressure Model:	P=F(Fc,Fb)
Pressure Matrix:	66
Pressure CRC:	09E7
Temperature Model:	T=F(Fb,Fc)
Temperature Matrix:	66
Temperature CRC:	9886
Clock Comment:	:
Clock Serial Number:	017
Clock Calibration Date (DDMMYY):	260407
Clock Model:	Fclk=F(Fb'-Fc')
Clock Matrix:	16
Clock CRC:	EBE9
Fc Offset:	+.514400000000E+07 Hz
Fb Offset:	+.558800000000E+07 Hz
R Offset:	+.470000000000E+06 Hz

Pressure Coefficients

	Fb**0	Fb**1	Fb**2	Fb**3
Fc**0	+.790745511831E+04	+.246485674705E-01	+.128616334108E-07	-.785092269996E-10
Fc**1	-.109269374418E+01	-.133674486085E-04	-.109237248976E-09	-.416201160992E-15
Fc**2	+.963501889486E-06	+.438462214015E-10	+.104079063483E-14	+.233895321662E-19
Fc**3	+.360291153628E-11	-.498937136284E-15	-.284404981745E-19	+.164220013823E-22
Fc**4	+.179701698738E-15	+.248834341326E-20	-.463242553263E-23	-.325270484263E-27
Fc**5	+.134624023430E-19	+.102861008597E-22	+.935560890966E-27	-.223072892686E-30

	Fb**4	Fb**5
Fc**0	-.142625071372E-14	-.293035195902E-19
Fc**1	+.519463236919E-20	+.251525808453E-23
Fc**2	+.411510467559E-24	-.746081565224E-28
Fc**3	+.515415923666E-27	-.100549796770E-30
Fc**4	+.274417743418E-31	+.208557647784E-35
Fc**5	-.100334741901E-34	+.144062254263E-38

Temperature Coefficients

	Fc**0	Fc**1	Fc**2	Fc**3
Fb**0	+.119168212212E+03	-.405553517277E-03	+.697704072250E-08	-.830643467913E-13
Fb**1	-.597252000150E-02	+.161516893157E-07	+.116580878871E-12	-.128138918695E-16
Fb**2	-.308578284587E-07	+.251624176031E-12	-.102571435647E-16	+.470682849071E-20
Fb**3	-.307402602359E-12	+.709317656012E-17	+.552278388784E-21	+.125532323297E-24
Fb**4	-.541981401757E-17	+.664808786279E-21	+.859254168147E-25	-.309978009167E-28
Fb**5	+.150636831911E-21	-.212722357369E-25	-.212688395487E-30	+.610605216390E-33

	Fc**4	Fc**5
Fb**0	-.893370119341E-17	+.208586522783E-20
Fb**1	-.593252097255E-22	+.318604587472E-24
Fb**2	+.270829760074E-24	-.781728475108E-28
Fb**3	+.255646235132E-28	-.569123082154E-32
Fb**4	-.172900565666E-32	+.426524275189E-36
Fb**5	-.209193962881E-36	+.106924097001E-40

Clock Coefficients

F'b/F'c**0	+.517510852402E+07
F'b/F'c**1	+.286062541063E-02
F'b/F'c**2	+.561202626381E-06
F'b/F'c**3	-.663711909007E-10
F'b/F'c**4	-.472543914811E-15
F'b/F'c**5	+.417849576310E-20

MASTER CALIBRATION SUMMARY: Quartz Gauge (Packer Module)

Calibration Pressure Unit:	PSIA
Calibration Temperature Unit:	DEGC
Sensor Comment:	MRPA-EB 52
Sensor Serial Number:	4251
Sensor Calibration Date (DDMMYY):	230807
Pressure Model:	P=F(Fc,Fb)
Pressure Matrix:	66
Pressure CRC:	760B

Temperature Model:	**T=F(Fb,Fc)**
Temperature Matrix:	**66**
Temperature CRC:	**2B6D**
Clock Comment:	**:**
Clock Serial Number:	**488**
Clock Calibration Date (DDMMYY):	**080807**
Clock Model:	**Fclk=F(Fb'-Fc')**
Clock Matrix:	**16**
Clock CRC:	**0DCD**
Fc Offset:	**+.514400000000E+07 Hz**
Fb Offset:	**+.558800000000E+07 Hz**
R Offset:	**+.470000000000E+06 Hz**

Pressure Coefficients

	Fb**0	Fb**1	Fb**2	Fb**3
Fc0**	+.738848328635E+04	+.346252275187E-01	+.139774201969E-08	-.750726233417E-10
Fc1**	-.105305550327E+01	-.128851149720E-04	-.109223328377E-09	-.726942762743E-15
Fc2**	+.794849822091E-06	+.388134414934E-10	+.903270140895E-15	+.231589607948E-19
Fc3**	+.470680922871E-11	-.234288907247E-15	-.647433253354E-19	+.820319515685E-23
Fc4**	+.616971465059E-16	+.213152729253E-19	-.119891500325E-23	-.959343221698E-27
Fc5**	-.601207436892E-20	+.281801930842E-23	+.949803759911E-27	-.766144095360E-32

	Fb**4	Fb**5
Fc0**	-.144161157013E-14	-.361536960096E-19
Fc1**	-.109576021298E-19	+.244807791837E-23
Fc2**	+.249406008690E-24	-.114391085039E-27
Fc3**	+.495161055825E-27	-.405419150596E-31
Fc4**	+.750417894985E-32	+.735996139047E-35
Fc5**	-.608259509186E-35	-.113183268038E-39

Temperature Coefficients

	Fc**0	Fc**1	Fc**2	Fc**3
Fb0**	+.113970750959E+03	-.555408864880E-03	+.655101058244E-08	+.303698354646E-13
Fb1**	-.599400403652E-02	+.131069022472E-07	+.175985517144E-12	-.760371042799E-17
Fb2**	-.319907287133E-07	+.281495329864E-12	+.386308675255E-17	-.331427000024E-21
Fb3**	-.293069134740E-12	-.396788316915E-17	-.609883100390E-23	+.382707021029E-24
Fb4**	-.384742890489E-17	-.587631117492E-22	-.514410088884E-27	+.664873079026E-29
Fb5**	-.105505510590E-21	+.594303551509E-25	+.112737291305E-29	-.224776648882E-32

	Fc**4	Fc**5
Fb0**	+.977297296894E-18	+.168876059595E-21
Fb1**	+.191377768047E-21	+.113771460332E-24
Fb2**	-.684583722125E-27	-.729991852471E-29
Fb3**	+.138113924387E-29	-.526727803865E-32
Fb4**	-.941448463129E-34	-.288506171692E-37
Fb5**	-.300575300932E-37	+.289195888179E-40

Clock Coefficients

F'b/F'c0**	+.517498220708E+07
F'b/F'c1**	+.227457906567E-02
F'b/F'c2**	+.100807901306E-05
F'b/F'c3**	-.627041801080E-10
F'b/F'c4**	-.534491529376E-15
F'b/F'c5**	+.495944562725E-20