REC'D OCT 14 2011

Schlumberger

Company: **OXY US LA BASIN**

Well: **DOM-001**
Field: **Dominguez**
County: **Los Angeles** State: **California**

CONFIDENTIAL

County: Los Angeles
Field: Dominguez
Location: SURFACE LAMBERT COORDIN
Well: DOM-001
Company: OXY US LA BASIN

EXPRESS PRESSURE TESTER
GAMMA RAY TIE IN
SHORT PRINT

LOCATION

SURFACE LAMBERT COORDINATES		Elev.: K.B.	194.09 ft
N: 4 062 754.8		G.L.	168.97 ft
E: 4 214 067.32		D.F.	194.09 ft
Permanent Datum:	GROUND LEVEL	Elev.:	168.97 ft
Log Measured From:	DERRICK FLOOR	25.03 ft	above Perm. Datum
Drilling Measured From:	DERRICK FLOOR		

API Serial No.	Section	Township	Range
037-27124	33	3S	13W

Logging Date			12-Dec-2010								
Run Number			THREE								
Depth Driller			8508 ft								
Schlumberger Depth			8517 ft								
Bottom Log Interval			8310 ft								
Top Log Interval			3484 ft								
Casing Driller Size @ Depth			13.375 in	@	1997 ft			@			
Casing Schlumberger			1995 ft								
Bit Size			8.000 in								
Type Fluid In Hole			8% KCL - GELITE								
MUD	Density	Viscosity	10 lbm/gal	48 s							
MUD	Fluid Loss	PH	4.2 cm3	7.6							
MUD	Source Of Sample		FLOWLINE								
RM @ Measured Temperature			0.107 ohm.m	@	91 degF			@			
RMF @ Measured Temperature			0.103 ohm.m	@	84 degF			@			
RMC @ Measured Temperature			0.177 ohm.m	@	84 degF			@			
Source RMF	RMC		MUD PRESS	MUD PRESS							
RM @ MRT	RMF @ MRT		0.061 @ 198	0.046 @ 198		@			@		
Maximum Recorded Temperatures			198 degF								
Circulation Stopped		Time	10-Dec-2010		22:00						
Logger On Bottom		Time	12-Dec-2010		20:30						
Unit Number	Location		2363	BAKERSFIELD							
Recorded By			JARROD LONG								
Witnessed By			MARIEKE GAUDET								

			Run 1		Run 2	
Logging Date						
Run Number						
Depth Driller						
Schlumberger Depth						
Bottom Log Interval						
Top Log Interval						
Casing Driller Size @ Depth					@	
Casing Schlumberger						
Bit Size						
Type Fluid In Hole						
MUD	Density	Viscosity				
MUD	Fluid Loss	PH				
MUD	Source Of Sample					
RM @ Measured Temperature					@	
RMF @ Measured Temperature					@	
RMC @ Measured Temperature					@	
Source RMF	RMC					
RM @ MRT	RMF @ MRT		@			@
Maximum Recorded Temperatures						
Circulation Stopped		Time				
Logger On Bottom		Time				
Unit Number	Location					
Recorded By						
Witnessed By						

Run 3	Run 4
◎	◎
◎ ◎ ◎	
◎	

DEPTH SUMMARY LISTING

Date Created: 12-DEC-2010 4:20:50

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-B	Type: CMTD-B/A	Type: 7-48A SUS
Serial Number:	Serial Number:	Serial Number:
Calibration Date:	Calibration Date:	Length: 20300 FT
Calibrator Serial Number:	Calibrator Serial Number:	Conveyance Method: Wireline
Calibration Cable Type: 7-46P	Number of Calibration Points: 0	Rig Type: LAND
Wheel Correction 1:		
Wheel Correction 2:		

Depth Control Parameters

Log Sequence: Subsequent Log In the Well

Reference Log Name: PLATFORM EXPRESS
Reference Log Run Number: TWO
Reference Log Date: 11-NOV-2010

Depth Control Remarks

1.
2.
3.
4.
5.
6.

DISCLAIMER
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OTHER SERVICES1	OTHER SERVICES2
OS1: PEX-HRLA-ECS-HNGS	OS1:
OS2: FMI-MSIP	OS2:
OS3: CMR	OS3:
OS4: CST	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
SUBSEQUENT LOG IN WELL	
LOG CORRELATED TO PLATFORM EXPRESS	
DATED 14-NOV-2010	
VARIABLE PRETESTS TAKEN	

CLIENT REQUESTS TO NOT STAY AT ONE POINT MORE THAN 10 MINUTES

25 PRESSURE TESTS ACQUIRED

RIG: H&P 262

THANK YOU FOR USING SCHLUMBERGER!

RUN 1		RUN 2	
SERVICE ORDER #:	AUYB-00225	SERVICE ORDER #:	
PROGRAM VERSION:	17C0-154	PROGRAM VERSION:	
FLUID LEVEL:		FLUID LEVEL:	

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

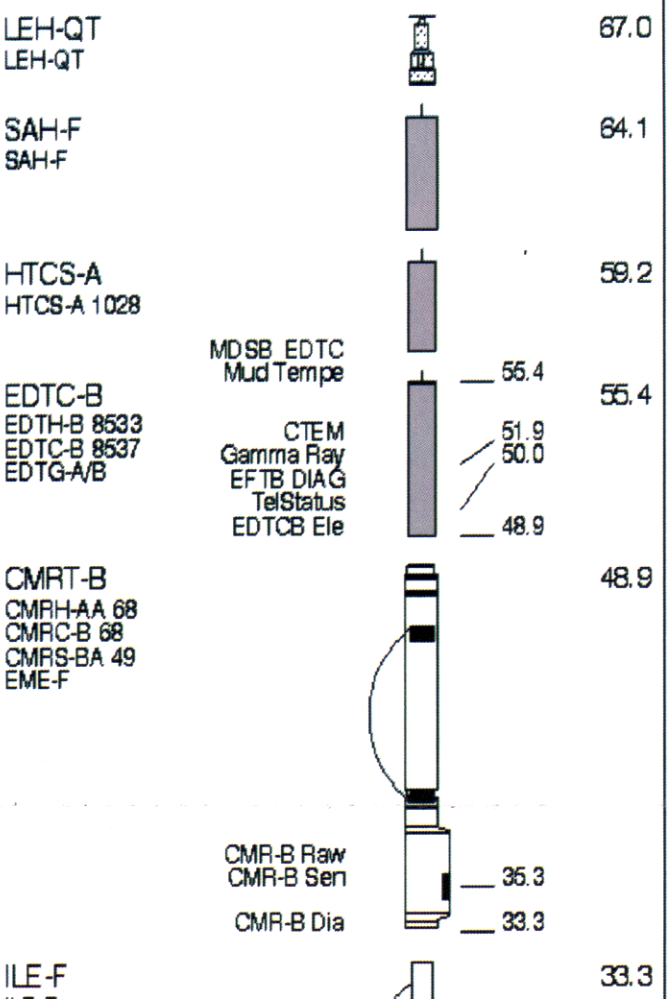
EQUIPMENT DESCRIPTION

RUN 1 | RUN 2

SURFACE EQUIPMENT

MRPP-AA 355
WITM (EDTS)-A

DOWNHOLE EQUIPMENT



ILE-F

AH-107 25.3
AH-107

AH-107 23.3
AH-107

XPT-BA 21.3
ECH-MKA 3899
XPCC-C 781
XPS-BA 801
XPAMS-BA 801
XPAM-BA
XPMH-BA
XPMC-BA 795
LARGE Kit
LDXP
HYD-20kPsi
SAP-20kPsi

Motors Se 17.2

Probe Sen 5.3
Hydrostat
Sapphire 3.6
DF ACCZ
Slow Chan HV
Gauges St
Tension 0.0
TOOL ZERO

MAXIMUM STRING DIAMETER 6.60 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Production String	(in) OD	(in) ID	(ft) MD	Well Schematic	(ft) MD	(in) OD	(in) ID	Casing String
					0.0	13.375		Casing String
					1997.0	13.375		Casing Shoe
					1997.0	12.250		Borehole Segment

					8508.0	12.260		Borehole Segment Bit-on

ALL DEPTHS ARE DRILLER'S DEPTHS

Schlumberger

PLOTS

MAXIS Field Log

Depth vs. Formation Pressure

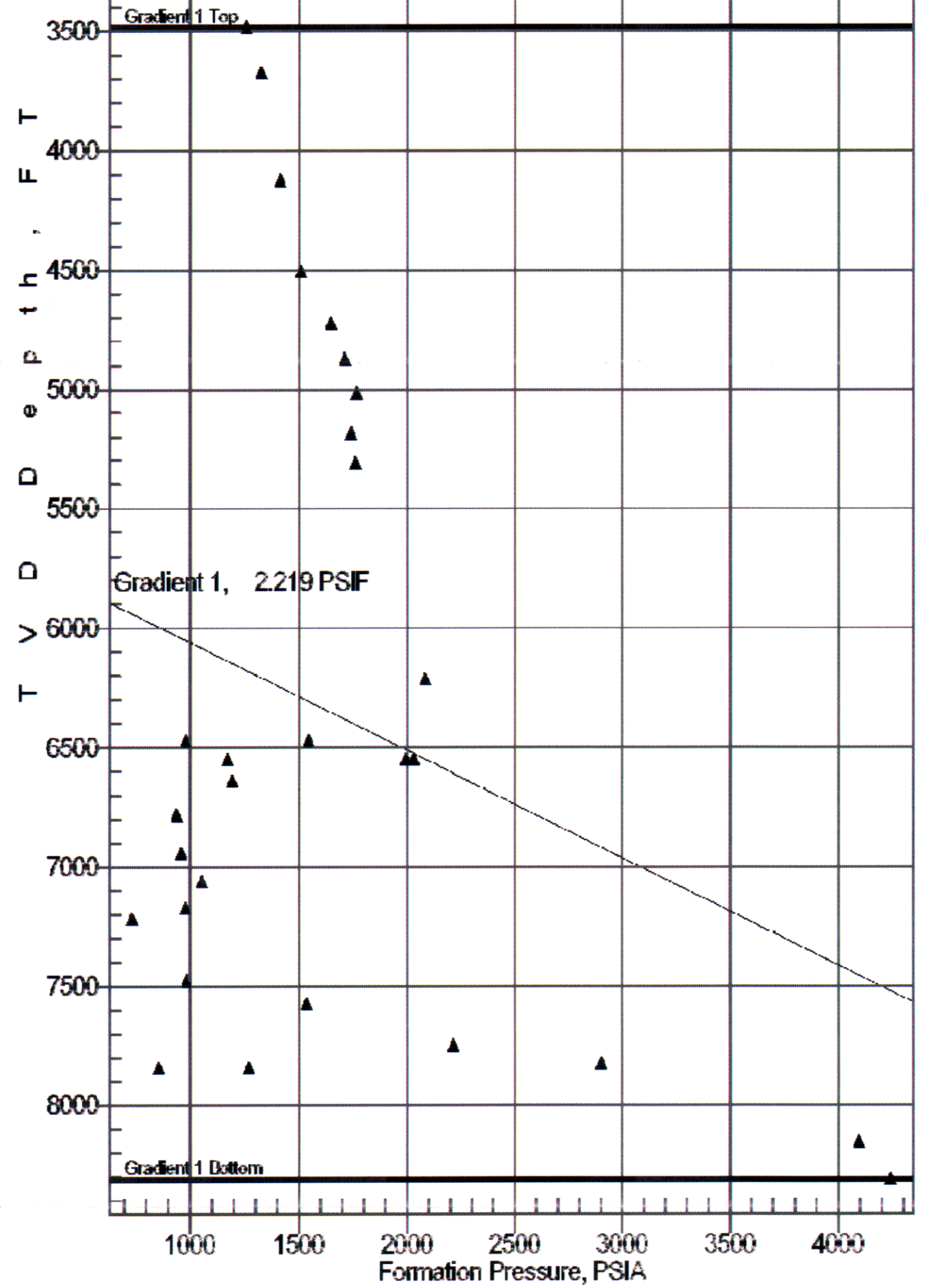
OXY US LA BASIN

Dominguez

DOM-001

CP_SAP

REC



Depth vs. Mobility

OXY US LA BASIN
Dominguez
DOM-001

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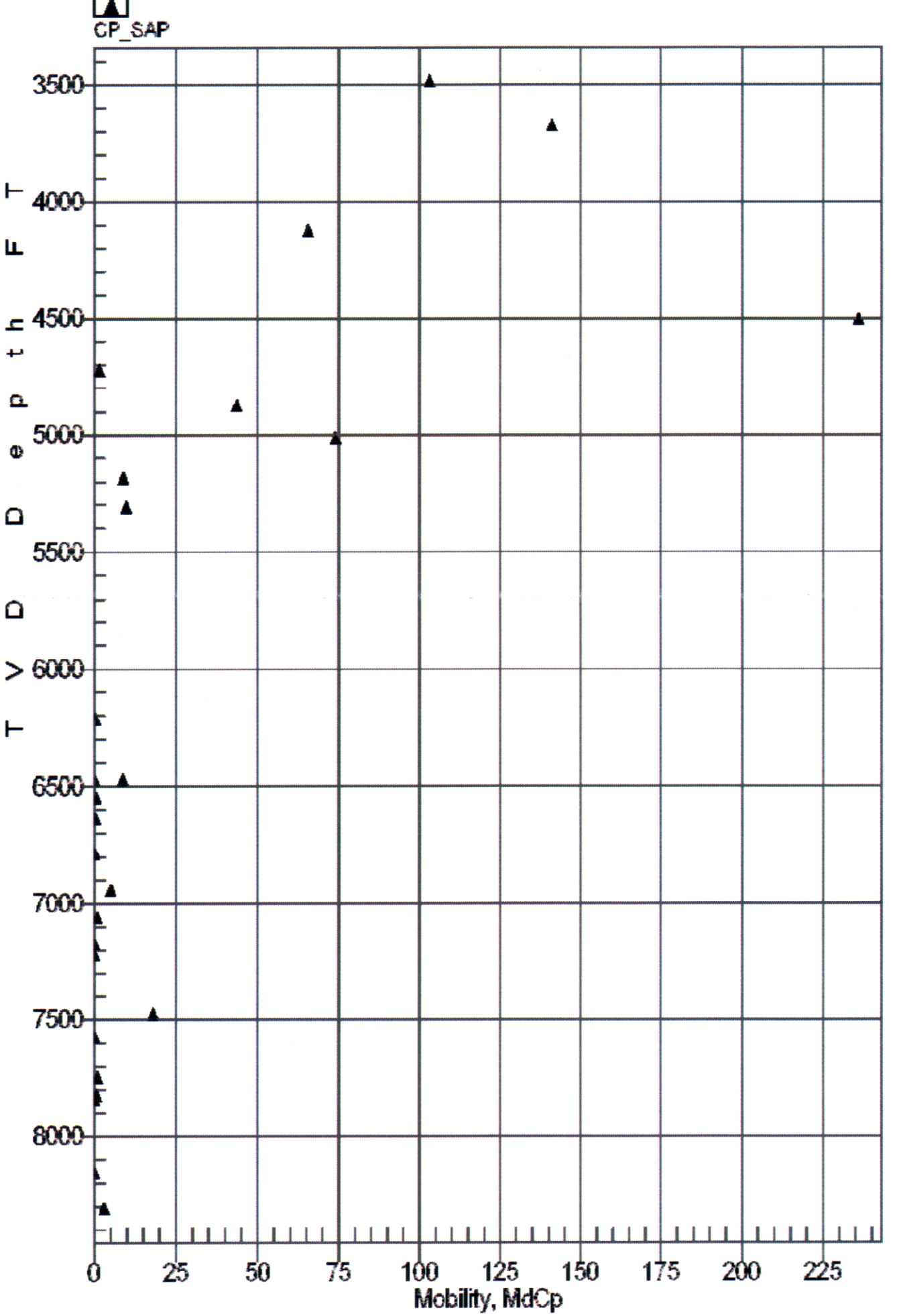

Depth vs. Mud Pressure

OXY US LA BASIN

Dominguez

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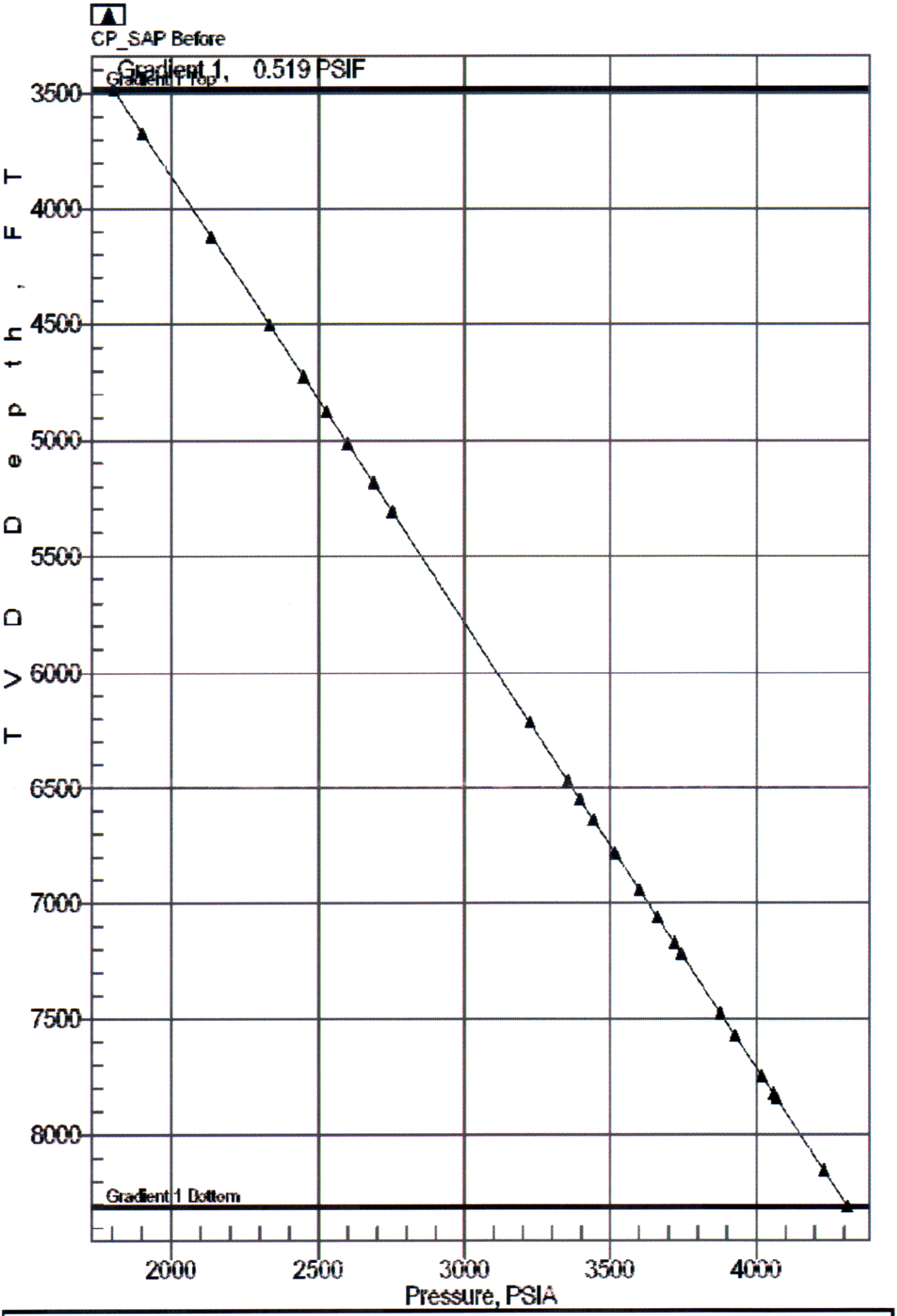
Domingdez
DOM-001



Schlumberger

SUMMARIES

MAXIS Field Log

Client: OXY US LA BASIN
Field: Dominguez
Well: DOM-001
Run date:

Tool: XPT-BA
Probe Type: Large-Diameter probe
Gauge: CP_SAP
Gauge Resolution: 0.010 psi

Test	File	Depth FT	TVD FT	Drawdown Mobility MD/CP	Mud Pressure Before PSIA	Mud Pressure After PSIA	Last read build-up Pres PSIA	Formation Pressure PSIA	Test Type
50	106	8155.96	8155.96	0.11	4231.35	4230.27	4095.95	4095.95	Volumetric Limited draw-down
52	107	8310.05	8310.05	3.13	4310.39	4309.80	4240.72	4240.72	Volumetric Limited draw-down
54	108	3673.02	3673.02	141.14	1902.24	1902.74	1328.20	1328.20	Volumetric Limited draw-down
57	109	3483.96	3483.96	103.12	1805.60	1806.24	1261.84	1261.84	Volumetric Limited draw-down

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Client: OXY US LA BASIN
Field: Dominguez
Well: DOM-001
Run date:

Tool: XPT-BA
Probe Type: Large-Diameter probe
Gauge: CP_SAP
Gauge Resolution: 0.010 psi

Test	File	Depth FT	TVD FT	Drawdown Mobility MD/CP	Mud Pressure Before PSIA	Mud Pressure After PSIA	Last read build-up Pres PSIA	Formation Pressure PSIA	Test Type
1	80	4124.97	4124.97	65.67	2136.23	2136.31	1415.43	1415.43	Volumetric Limited draw-down
4	81	4504.00	4504.00	235.94	2334.17	2348.89	1510.49	1510.49	Volumetric Limited draw-down
8	82	4724.96	4724.96	1.67	2449.39	2448.91	1650.01	1650.01	Volumetric Limited draw-down
11	83	4874.98	4874.98	43.74	2527.24	2526.92	1713.20	1713.20	Volumetric Limited draw-down
13	84	5014.00	5014.00	74.08	2599.71	2597.27	1767.54	1767.54	Volumetric Limited draw-down

15	85	5183.96	5183.96	8.97	2688.06	2687.74	1740.62	1740.62	Volumetric Limited draw-down
17	86	5307.99	5307.99	9.88	2752.51	2752.43	1761.49	1761.49	Volumetric Limited draw-down
19	87	6214.01	6214.01	0.38	3224.96	3222.91	2083.96	2083.96	Volumetric Limited draw-down
25	91	6637.97	6637.97	0.51	3443.21	3442.37	1195.99	1195.99	Volumetric Limited draw-down
28	92	6550.03	6550.03	0.60	3396.38	3396.61	1174.19	1174.19	Volumetric Limited draw-down
31	93	6470.03	6470.03	8.78	3355.45	3355.64	982.92	982.92	Volumetric Limited draw-down
33	94	6779.99	6779.99	0.04	3517.12	3516.50	940.68	940.68	Volumetric Limited draw-down
35	95	6941.99	6941.99	5.18	3600.98	3601.68	961.86	961.86	Volumetric Limited draw-down
36	96	7062.01	7062.01	0.93	3663.37	3662.71	1055.00	1055.00	Volumetric Limited draw-down
39	97	7173.01	7173.01	0.09	3720.70	3719.93	980.99	980.99	Volumetric Limited draw-down
40	98	7217.99	7217.99	0.03	3743.48	3743.49	736.48	736.48	Volumetric Limited draw-down
42	99	7475.99	7475.99	18.12	3878.34	3877.93	986.27	986.27	Volumetric Limited draw-down
43	100	7574.00	7574.00	0.05	3928.78	3928.52	1537.09	1537.09	Volumetric Limited draw-down
45	101	7748.02	7748.02	1.08	4019.32	4018.92	2216.03	2216.03	Volumetric Limited draw-down
47	102	7825.00	7825.00	0.69	4059.39	4059.02	2902.74	2902.74	Volumetric Limited draw-down
48	103	7844.99	7844.99	0.08	4069.21	4069.20	858.83	858.83	Volumetric Limited draw-down
49	105	7844.02	7844.02	0.03	4068.66	4068.48	1272.20	1272.20	Volumetric Limited draw-down

Client:	OXY US LA BASIN	Tool:	XPT-BA
Field:	Dominguez	Probe Type:	Large-Diameter probe
Well:	DOM-001	Gauge:	CP_SAP
Run date:		Gauge Resolution:	0.010 psi

Test Number	57
File Number	109
Test Type	Volumetric Limited draw-down
Depth,FT	3483.96
Vertical Depth,FT	3483.96
Mud Pressure before,PSIA	1805.60
Mud Pressure after,PSIA	1806.24
Last read build-up Pressure,PSIA	1261.84
Formation Pressure,PSIA	1261.84
Pretest 1 duration, SEC	6.0
Pretest 1 volume, CC	5.0
Pretest 1 flow-rate, CC/SEC	0.84
Draw-down Mobility, MD/CP	103.123
Draw-down Permeability, MD	
Viscosity,CP	
Spherical Extrapolated Pressure,PSIA	
Spherical Mobility, MD/CP	
Porosity	
Total Compressibility, 1/PSI	
Depth of investigation,FT	
Radial Extrapolated Pressure,PSIA	
Horizontal Mobility-Thickness, MD.FT/CP	

Client:	OXY US LA BASIN	Tool:	XPT-BA
Field:	Dominguez	Probe Type:	Large-Diameter probe
Well:	DOM-001	Gauge:	CP_SAP
Run date:		Gauge Resolution:	0.010 psi

Test Number	48	49	50	52	54
File Number	103	105	106	107	108
Test Type	Volumetric Limited d	olumetric Limited d	olumetric Limited d	olumetric Limited d	olumetric Limited draw-down
Depth,FT	7844.99	7844.02	8155.96	8310.05	3673.02
Vertical Depth,FT	7844.99	7844.02	8155.96	8310.05	3673.02
Mud Pressure before,PSIA	4069.21	4068.66	4231.35	4310.39	1902.24
Mud Pressure after,PSIA	4069.20	4068.48	4230.27	4309.80	1902.74
Last read build-up Pressure,PSIA	858.83	1272.20	4095.95	4240.72	1328.20
Formation Pressure,PSIA	858.83	1272.20	4095.95	4240.72	1328.20
Pretest 1 duration, SEC	0.9	1.2	5.7	12.6	7.2
Pretest 1 volume, CC	0.5	0.6	4.0	12.0	5.0
Pretest 1 flow-rate, CC/SEC	0.50	0.47	0.70	0.95	0.70
Draw-down Mobility, MD/CP	0.077	0.026	0.107	3.134	141.137
Draw-down Permeability, MD					
Viscosity,CP					
Spherical Extrapolated Pressure,PSIA					
Spherical Mobility, MD/CP					
Porosity					
Total Compressibility, 1/PSI					
Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA					
Horizontal Mobility-Thickness, MD.FT/CP					

Client:	OXY US LA BASIN	Tool:	XPT-BA
Field:	Dominguez	Probe Type:	Large-Diameter probe
Well:	DOM-001	Gauge:	CP_SAP
Run date:		Gauge Resolution:	0.010 psi

Test Number	40	42	43	45	47
File Number	98	99	100	101	102
Test Type	Volumetric Limited d	olumetric Limited d	olumetric Limited d	olumetric Limited d	olumetric Limited draw-down
Depth,FT	7217.99	7475.99	7574.00	7748.02	7825.00
Vertical Depth,FT	7217.99	7475.99	7574.00	7748.02	7825.00
Mud Pressure before,PSIA	3743.48	3878.34	3928.78	4019.32	4059.39
Mud Pressure after,PSIA	3743.49	3877.93	3928.52	4018.92	4059.02
Last read build-up Pressure,PSIA	736.48	986.27	1537.09	2216.03	2902.74
Formation Pressure,PSIA	736.48	986.27	1537.09	2216.03	2902.74
Pretest 1 duration, SEC	1.8	4.5	1.5	9.9	16.5
Pretest 1 volume, CC	0.5	4.2	0.8	4.8	11.9
Pretest 1 flow-rate, CC/SEC	0.28	0.93	0.55	0.49	0.72
Draw-down Mobility, MD/CP	0.028	18.118	0.049	1.084	0.694
Draw-down Permeability, MD					
Viscosity,CP					
Spherical Extrapolated Pressure,PSIA					
Spherical Mobility, MD/CP					
Porosity					
Total Compressibility, 1/PSI					
Depth of investigation,FT					

Radial Extrapolated Pressure,PSIA Horizontal Mobility-Thickness, MD.FT/CP					

Client: OXY US LA BASIN
Field: Dominguez
Well: DOM-001
Run date:

Tool: XPT-BA
Probe Type: Large-Diameter probe
Gauge: CP_SAP
Gauge Resolution: 0.010 psi

Test Number File Number Test Type	31 93 Volumetric Limited d	33 94 Volumetric Limited d	35 95 Volumetric Limited d	36 96 Volumetric Limited d	39 97 Volumetric Limited draw-down
Depth,FT Vertical Depth,FT	6470.03 6470.03	6779.99 6779.99	6941.99 6941.99	7062.01 7062.01	7173.01 7173.01
Mud Pressure before,PSIA Mud Pressure after,PSIA Last read build-up Pressure,PSIA Formation Pressure,PSIA	3355.45 3355.64 982.92 982.92	3517.12 3516.50 940.68 940.68	3600.98 3601.68 961.86 961.86	3663.37 3662.71 1055.00 1055.00	3720.70 3719.93 980.99 980.99
Pretest 1 duration, SEC Pretest 1 volume, CC Pretest 1 flow-rate, CC/SEC	10.5 10.0 0.95	3.3 0.6 0.18	8.7 4.3 0.49	21.0 10.3 0.49	1.8 0.6 0.36
Draw-down Mobility, MD/CP Draw-down Permeability, MD Viscosity,CP	8.777	0.036	5.179	0.934	0.086
Spherical Extrapolated Pressure,PSIA Spherical Mobility, MD/CP Porosity Total Compressibility, 1/PSI Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA Horizontal Mobility-Thickness, MD.FT/CP					

Client: OXY US LA BASIN
Field: Dominguez
Well: DOM-001
Run date:

Tool: XPT-BA
Probe Type: Large-Diameter probe
Gauge: CP_SAP
Gauge Resolution: 0.010 psi

Test Number File Number Test Type	15 85 Volumetric Limited d	17 86 Volumetric Limited d	19 87 Volumetric Limited d	25 91 Volumetric Limited d	28 92 Volumetric Limited draw-down
Depth,FT Vertical Depth,FT	5183.96 5183.96	5307.99 5307.99	6214.01 6214.01	6637.97 6637.97	6550.03 6550.03
Mud Pressure before,PSIA Mud Pressure after,PSIA Last read build-up Pressure,PSIA Formation Pressure,PSIA	2688.06 2687.74 1740.62 1740.62	2752.51 2752.43 1761.49 1761.49	3224.96 3222.91 2083.96 2083.96	3443.21 3442.37 1195.99 1195.99	3396.38 3396.61 1174.19 1174.19
Pretest 1 duration, SEC Pretest 1 volume, CC	10.5 10.1	10.5 10.0	1.5 0.8	2.1 0.6	1.5 0.3

Pretest 1 flow-rate, CC/SEC	0.96	0.95	0.52	0.30	0.22
Draw-down Mobility, MD/CP Draw-down Permeability, MD Viscosity,CP	8.968	9.883	0.381	0.507	0.604
Spherical Extrapolated Pressure,PSIA Spherical Mobility, MD/CP Porosity Total Compressibility, 1/PSI Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA Horizontal Mobility-Thickness, MD.FT/CP					

Client:	OXY US LA BASIN	Tool:	XPT-BA
Field:	Dominguez	Probe Type:	Large-Diameter probe
Well:	DOM-001	Gauge:	CP_SAP
Run date:		Gauge Resolution:	0.010 psi

Test Number File Number Test Type	1 80 Volumetric Limited d	4 81 Volumetric Limited d	8 82 Volumetric Limited d	11 83 Volumetric Limited d	13 84 Volumetric Limited draw-down
Depth,FT Vertical Depth,FT	4124.97 4124.97	4504.00 4504.00	4724.96 4724.96	4874.98 4874.98	5014.00 5014.00
Mud Pressure before,PSIA Mud Pressure after,PSIA Last read build-up Pressure,PSIA Formation Pressure,PSIA	2136.23 2136.31 1415.43 1415.43	2334.17 2348.89 1510.49 1510.49	2449.39 2448.91 1650.01 1650.01	2527.24 2526.92 1713.20 1713.20	2599.71 2597.27 1767.54 1767.54
Pretest 1 duration, SEC Pretest 1 volume, CC Pretest 1 flow-rate, CC/SEC	5.4 5.3 0.97	7.5 10.1 1.34	1.8 0.8 0.45	11.1 10.0 0.90	11.1 10.0 0.90
Draw-down Mobility, MD/CP Draw-down Permeability, MD Viscosity,CP	65.669	235.942	1.674	43.741	74.084
Spherical Extrapolated Pressure,PSIA Spherical Mobility, MD/CP Porosity Total Compressibility, 1/PSI Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA Horizontal Mobility-Thickness, MD.FT/CP					

File 108

Depth, FT: 3673.02

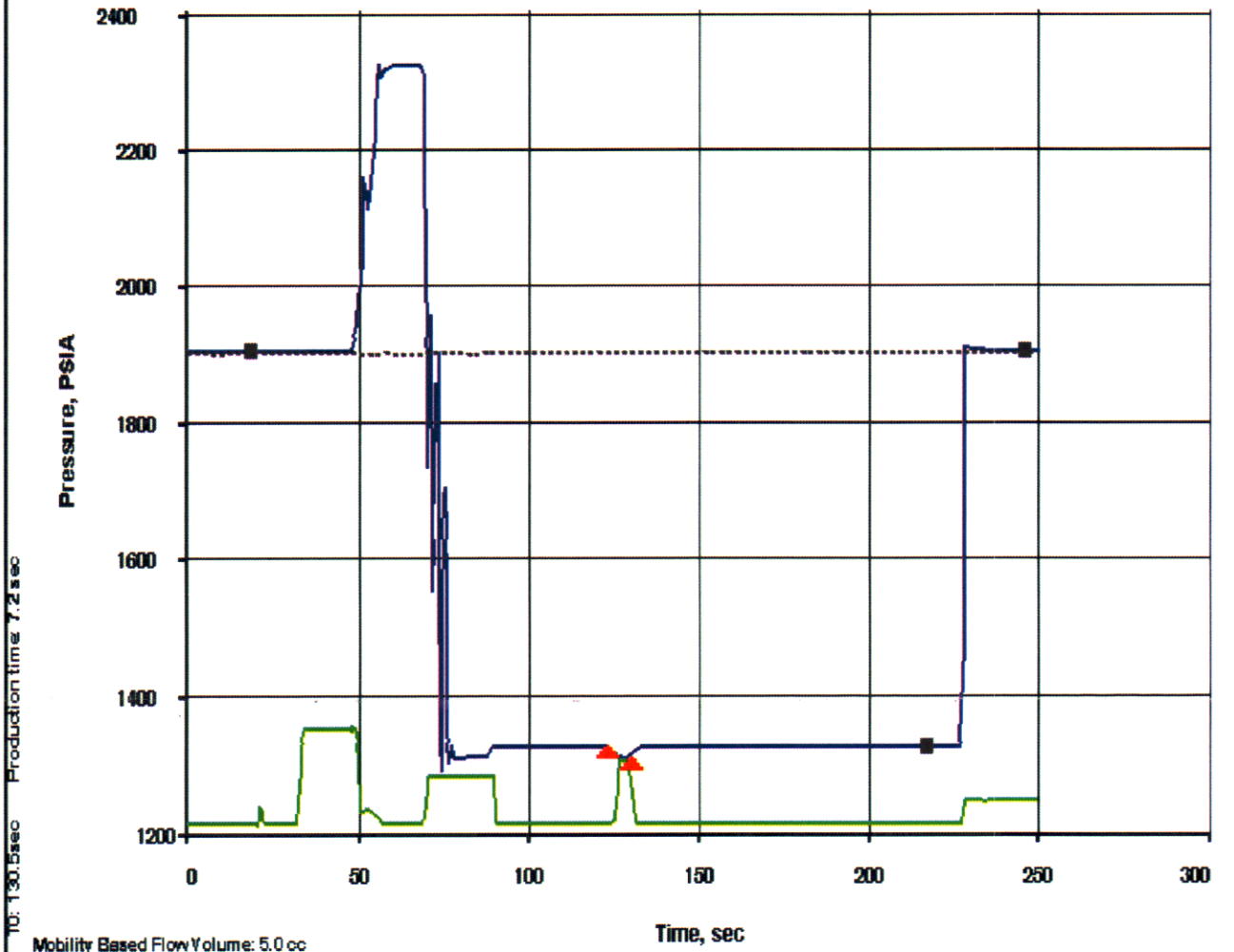
OXY US LA BASIN

Dominguez

DOM-001

Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	1902.24
Mud Pressure after test, PSIA:	1902.74
Last build-up pressure, PSIA:	1328.2
Draw-down mobility, md/cp:	141.1



Mobility Based Flow Volume: 5.0 cc

Total Pretest Volume: 5.0 cc · XPT-BA CP_SAP Resolution: 0.010psi

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File 108

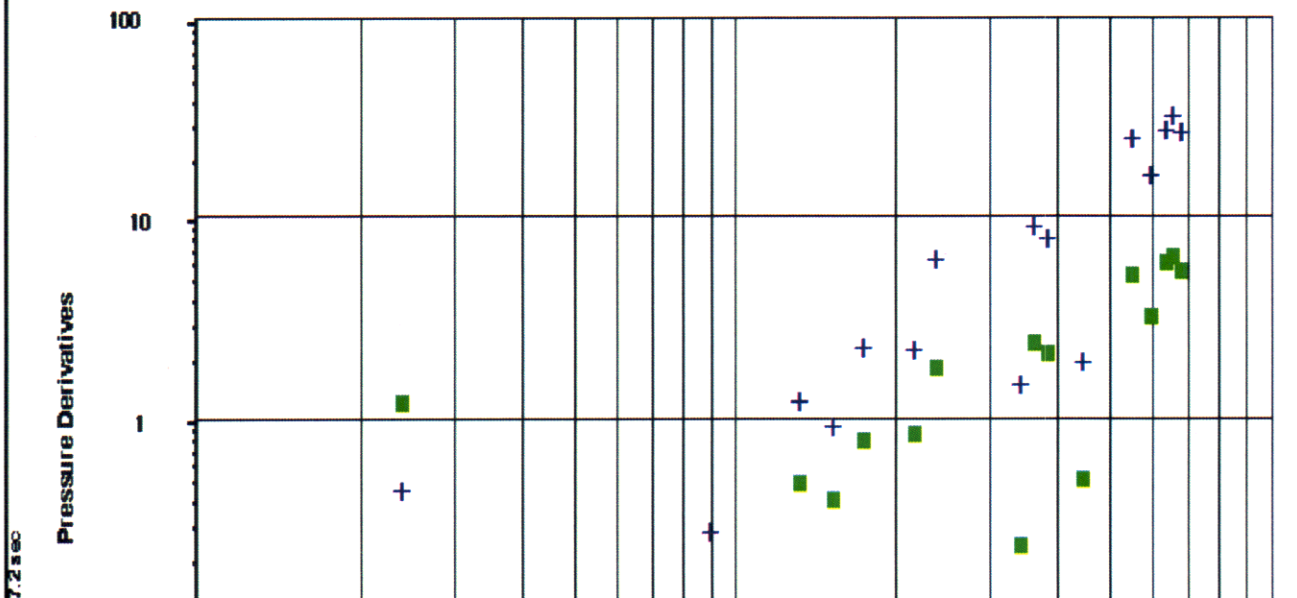
Depth, FT: 3673.02

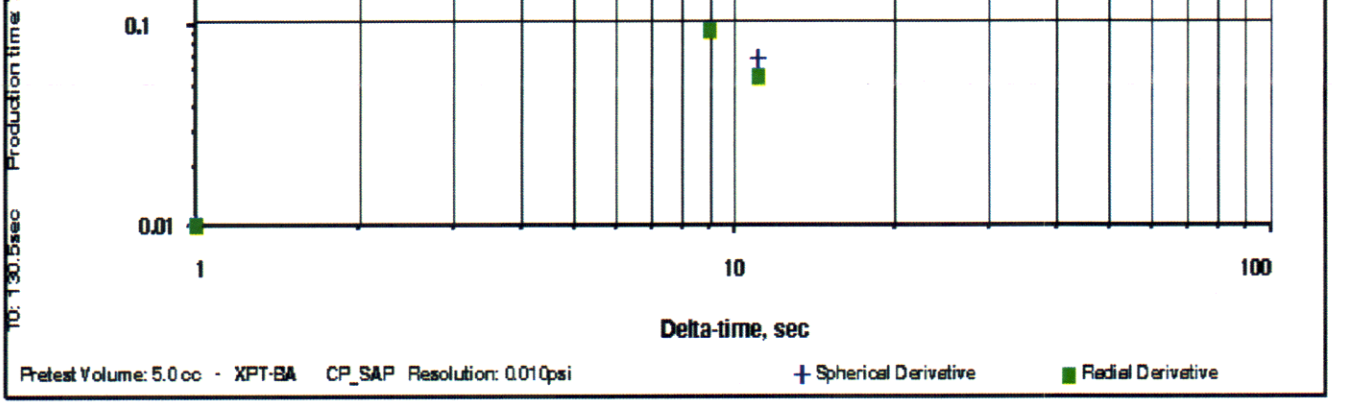
OXY US LA BASIN

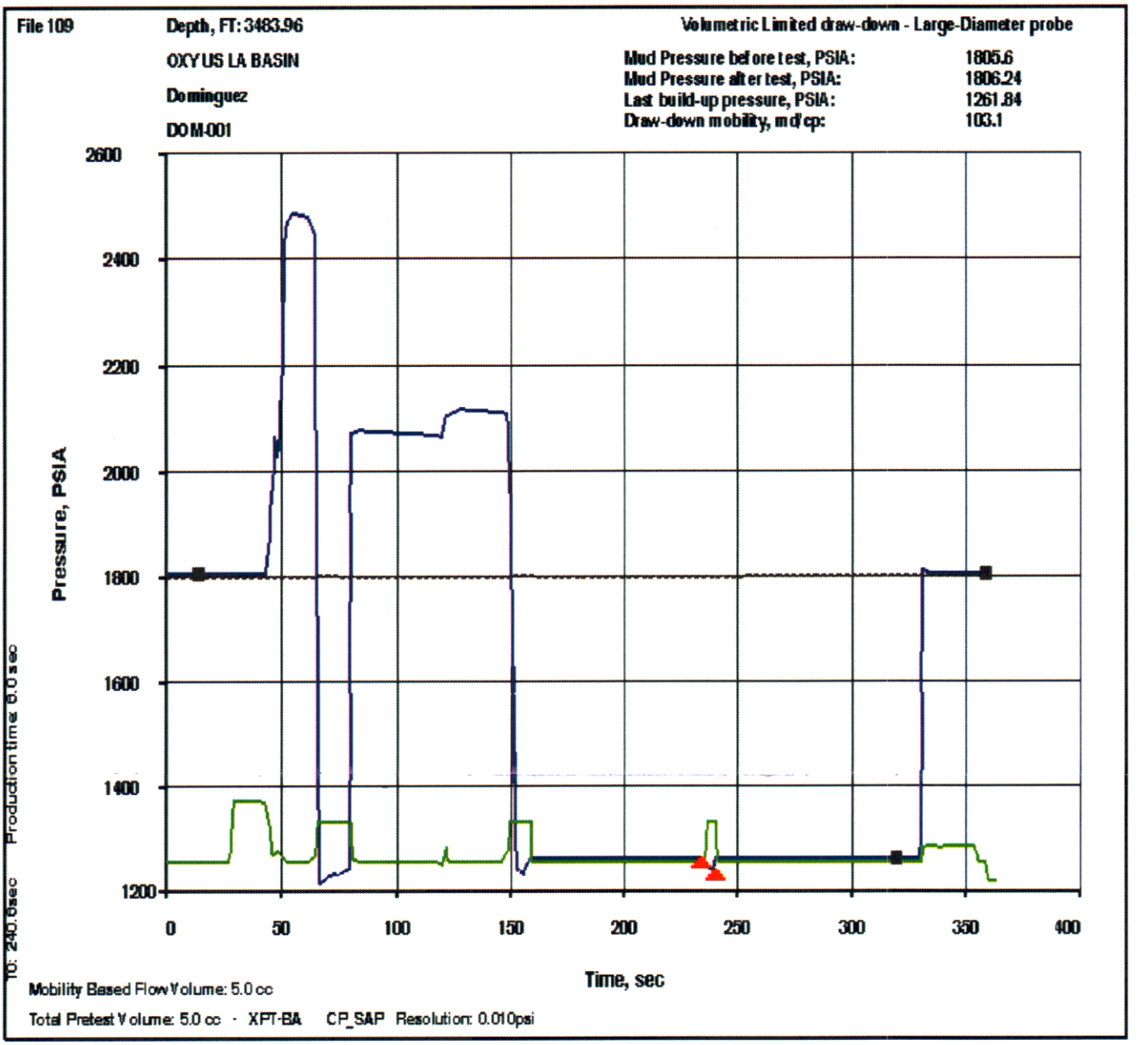
Dominguez

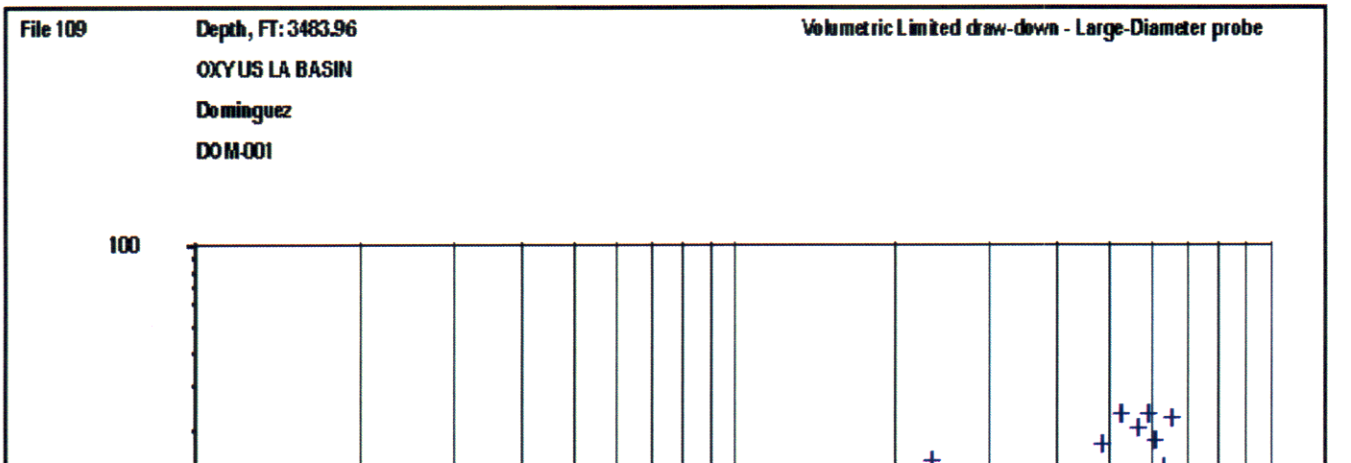
DOM-001

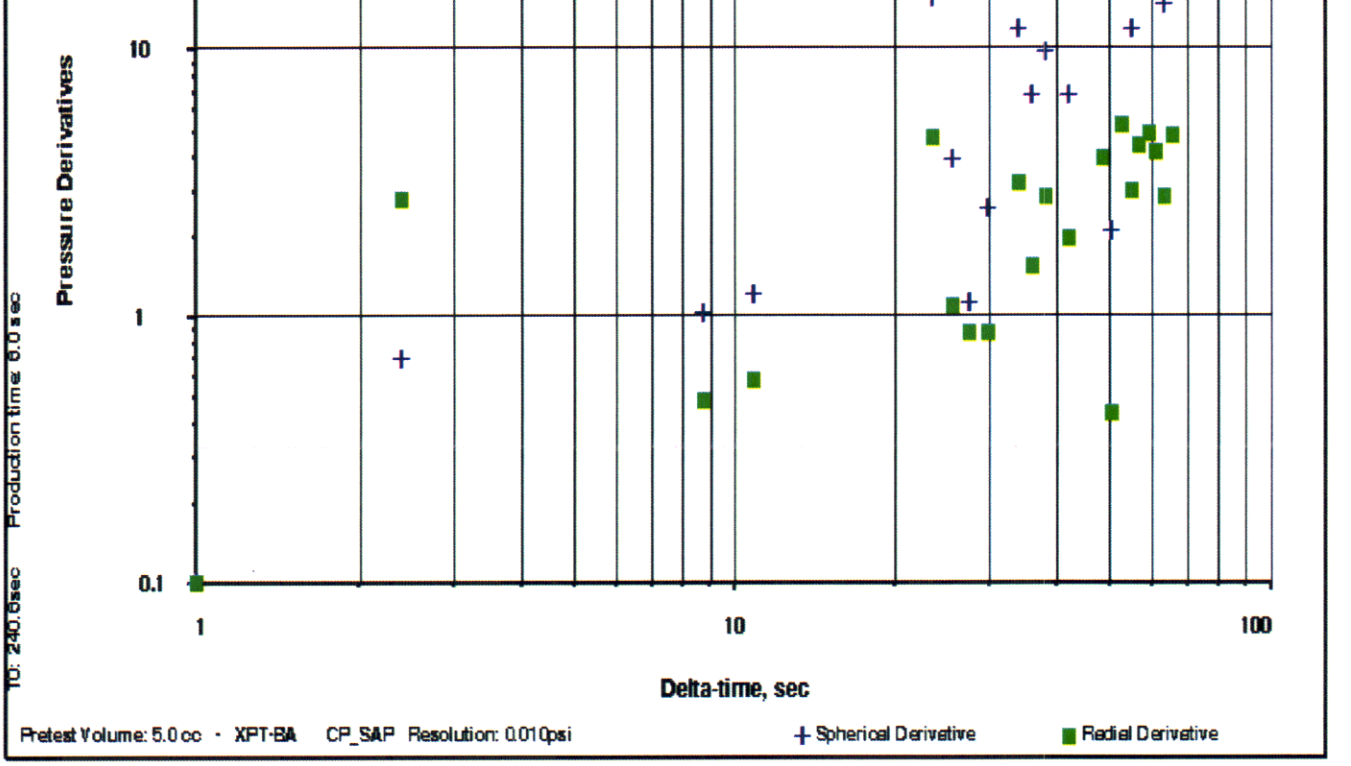
Volumetric Limited draw-down - Large-Diameter probe

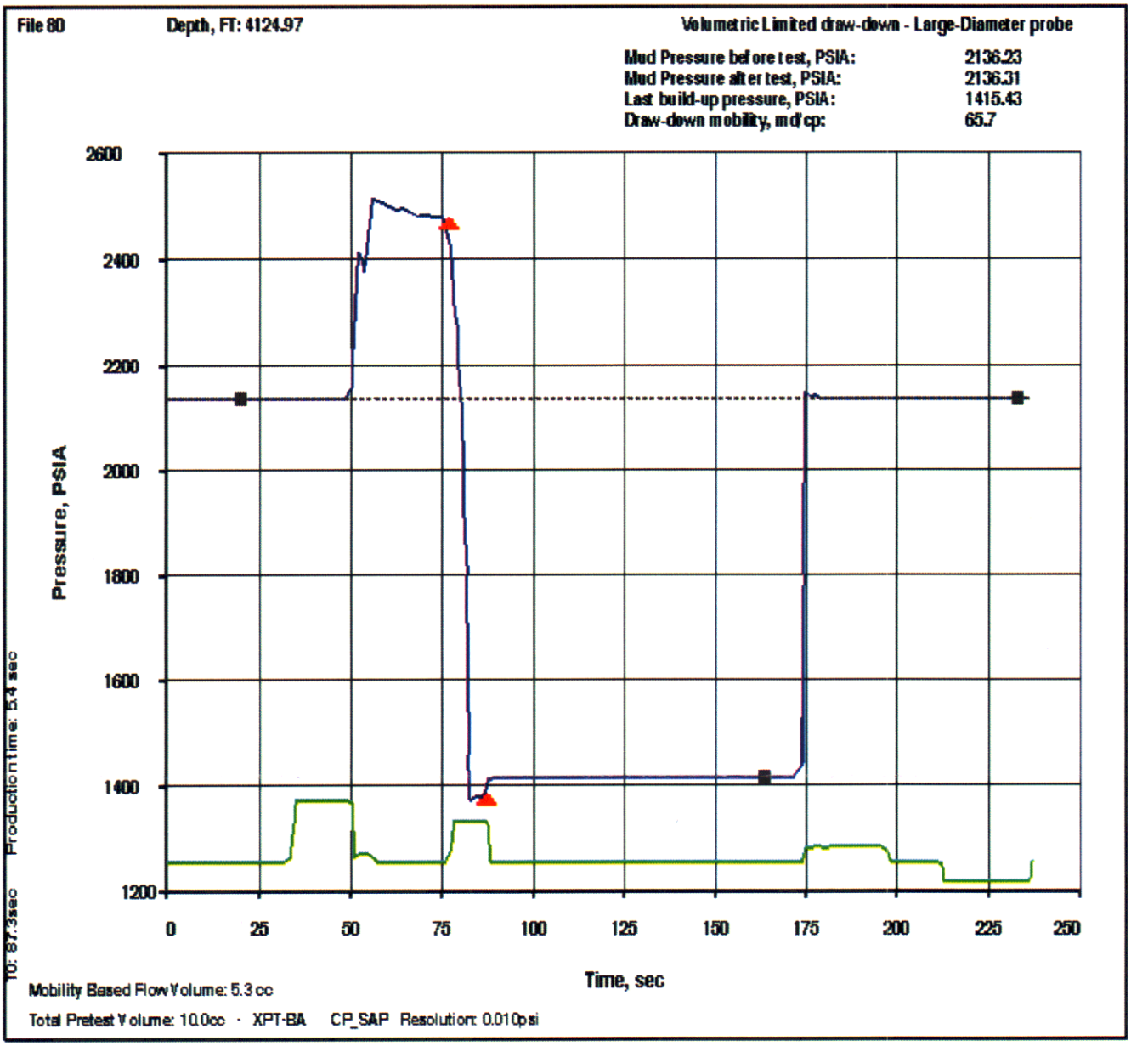


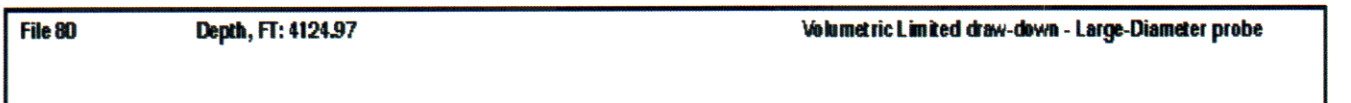

0.1
0.01
1
10
100
Delta-time, sec
Production time: 130.5sec
Pretest Volume: 5.0 cc - XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative

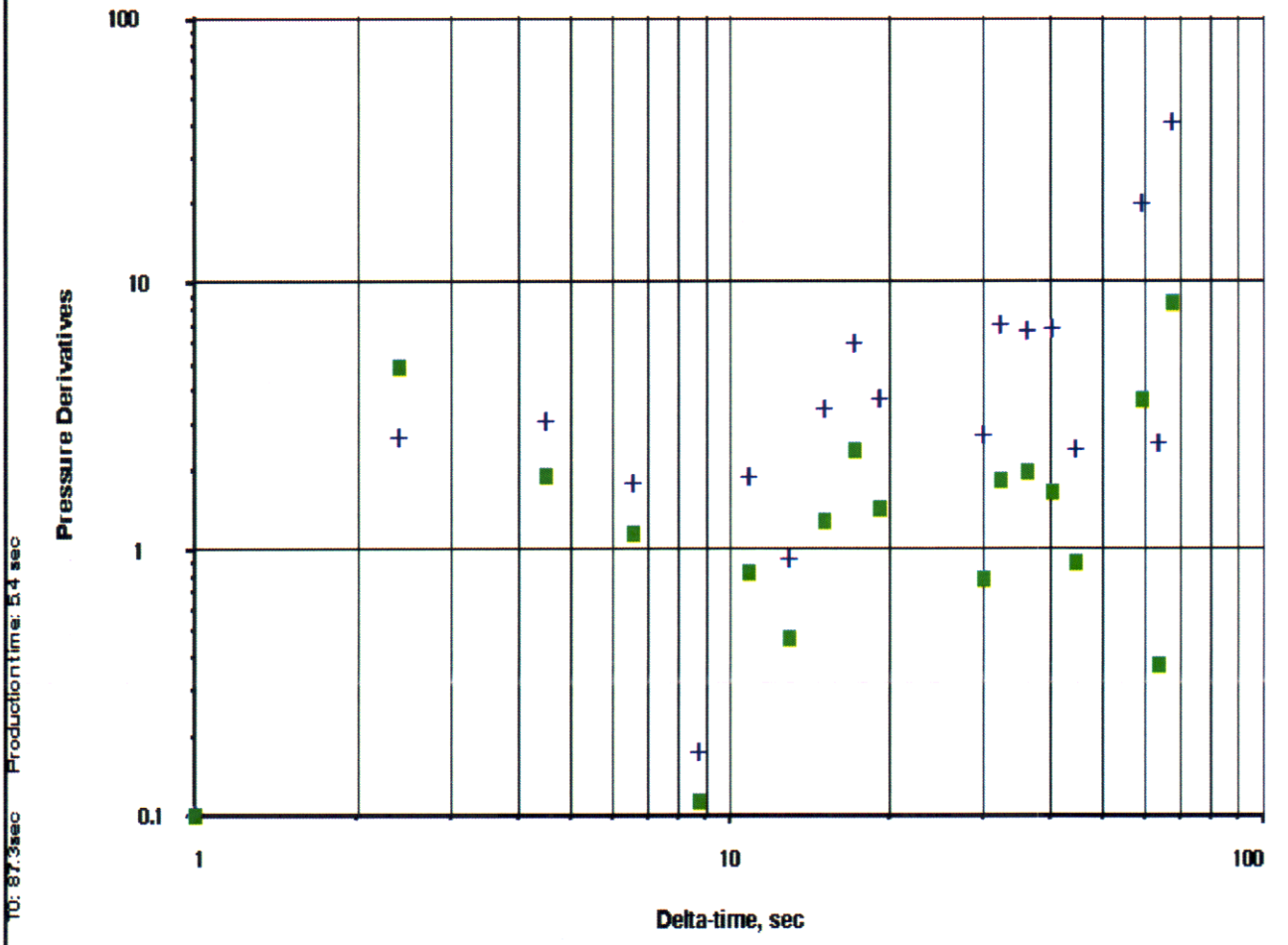

File 109
Depth, FT: 3483.96
OXY US LA BASIN
Dominguez
DOM-001
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 1805.6
Mud Pressure after test, PSIA: 1806.24
Last build-up pressure, PSIA: 1261.84
Draw-down mobility, md/cp: 103.1
Pressure, PSIA
2600
2400
2200
2000
1800
1600
1400
1200
0
50
100
150
200
250
300
350
400
Time, sec
Production time: 6.0 sec
TO: 240.6sec
Mobility Based Flow Volume: 5.0 cc
Total Pretest Volume: 5.0 cc - XPT-BA CP_SAP Resolution: 0.010psi


File 109
Depth, FT: 3483.96
OXY US LA BASIN
Dominguez
DOM-001
Volumetric Limited draw-down - Large-Diameter probe
100


Pressure Derivatives
10
1
0.1
1
10
100
Delta-time, sec
TO: 240.6sec Production time: 6.0 sec
Pretest Volume: 5.0 cc · XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative


File 80
Depth, FT: 4124.97
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 2136.23
Mud Pressure after test, PSIA: 2136.31
Last build-up pressure, PSIA: 1415.43
Draw-down mobility, md/cp: 65.7
Pressure, PSIA
2600
2400
2200
2000
1800
1600
1400
1200
0
25
50
75
100
125
150
175
200
225
250
Time, sec
TO: 87.3sec Production time: 5.4 sec
Mobility Based Flow Volume: 5.3 cc
Total Pretest Volume: 10.0cc · XPT-BA CP_SAP Resolution: 0.010psi


File 80
Depth, FT: 4124.97
Volumetric Limited draw-down - Large-Diameter probe



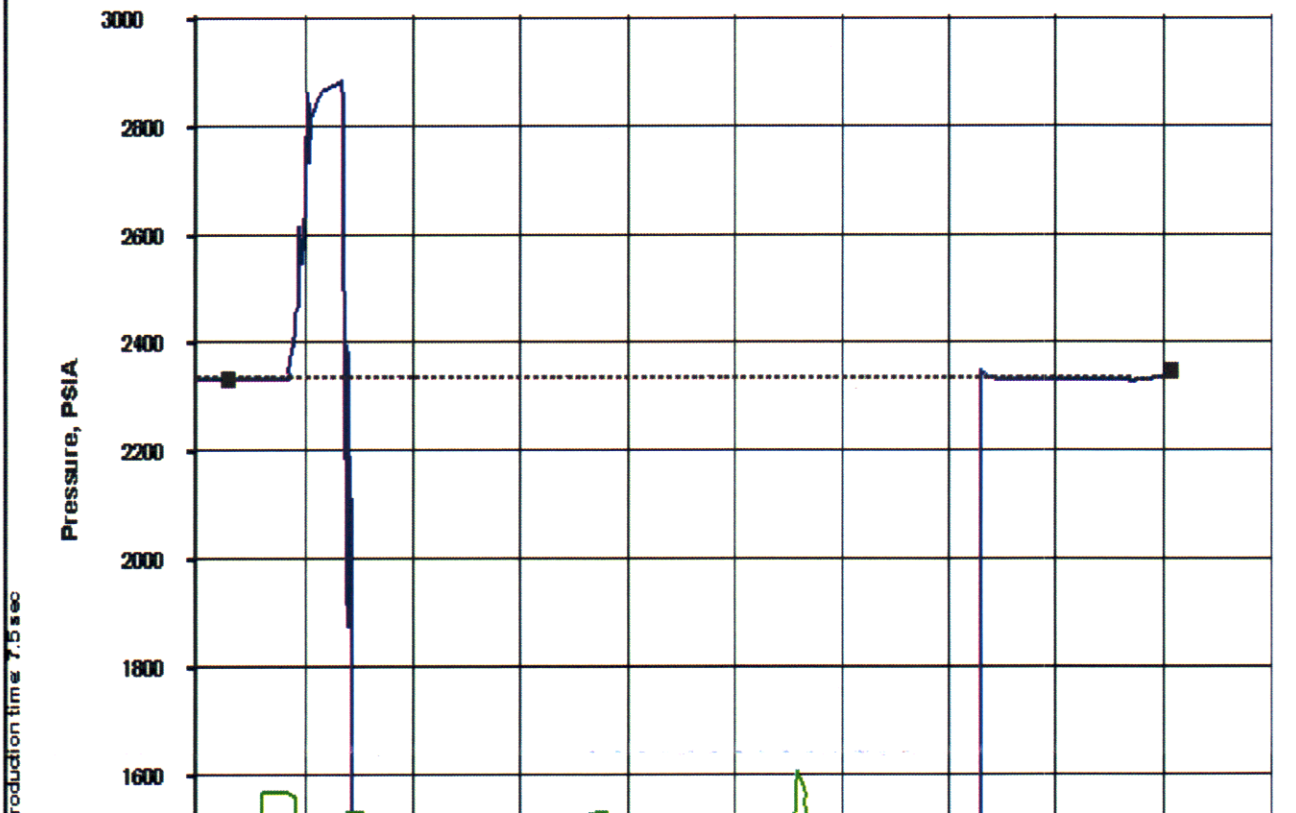
Pretest Volume: 5.3 cc - XPT-BA CP_SAP Resolution: 0.010psi

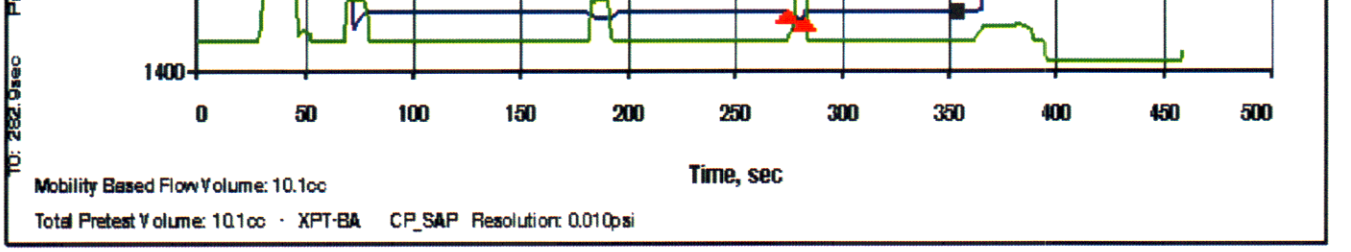
+ Spherical Derivative ■ Radial Derivative

File 81 Depth, FT: 4504.00

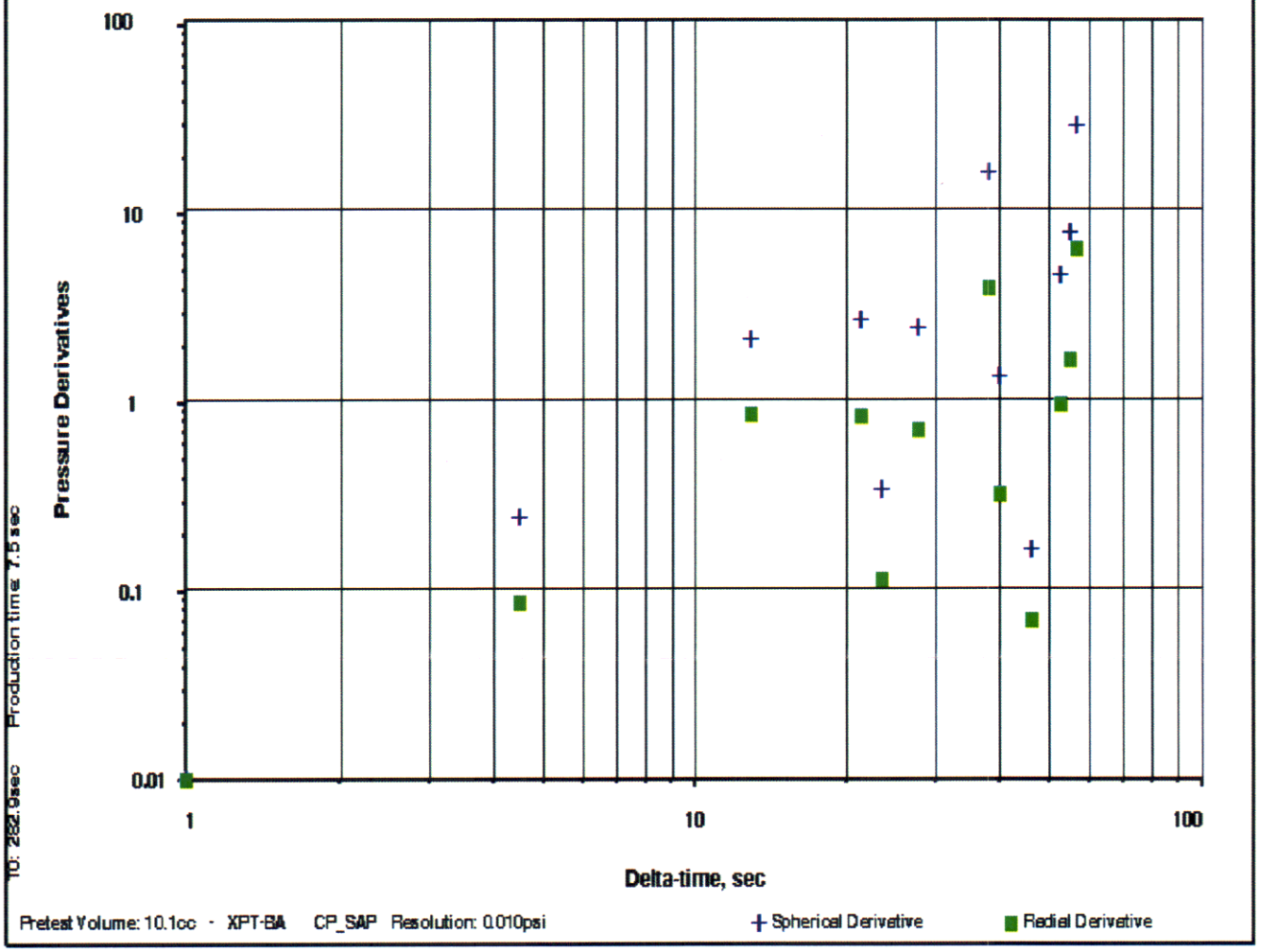
Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	2334.17
Mud Pressure after test, PSIA:	2348.89
Last build-up pressure, PSIA:	1510.49
Draw-down mobility, md/cp:	235.9



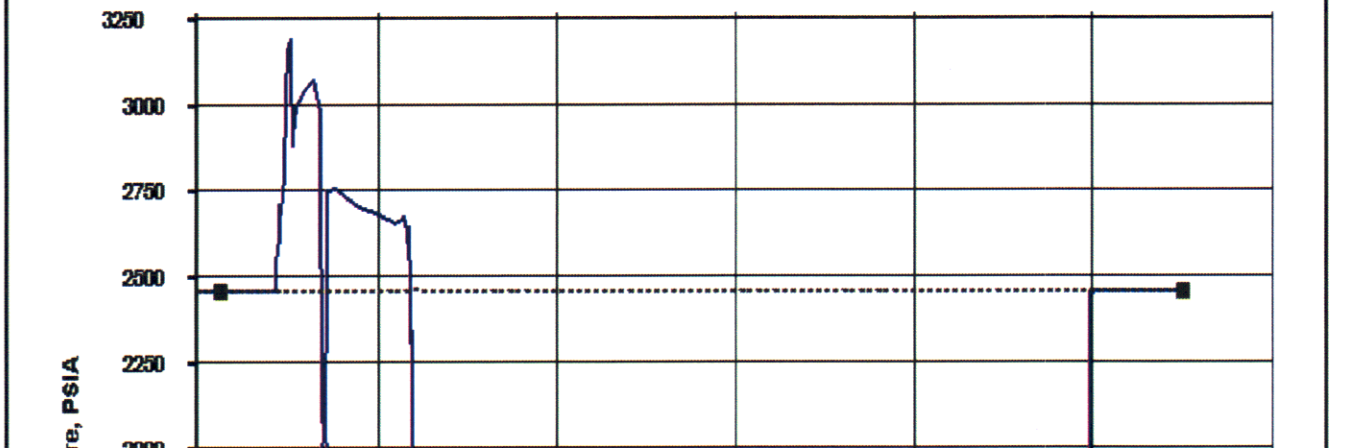


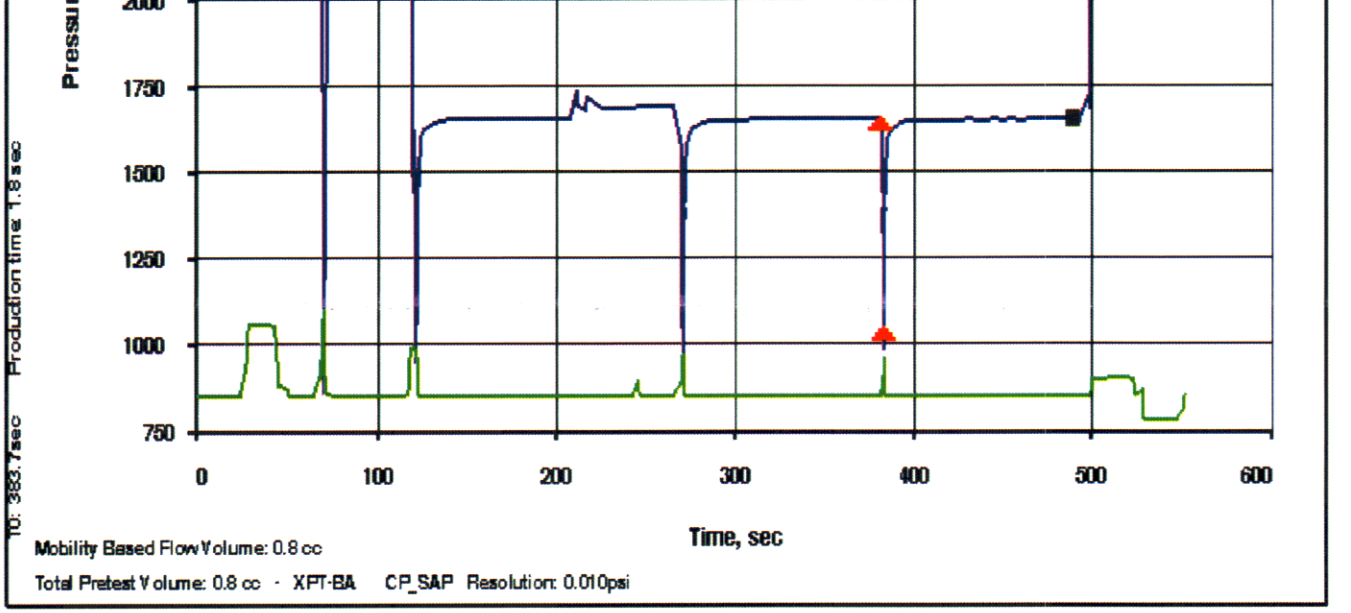
File 81 Depth, FT: 4504.00 Volumetric Limited draw-down - Large-Diameter probe



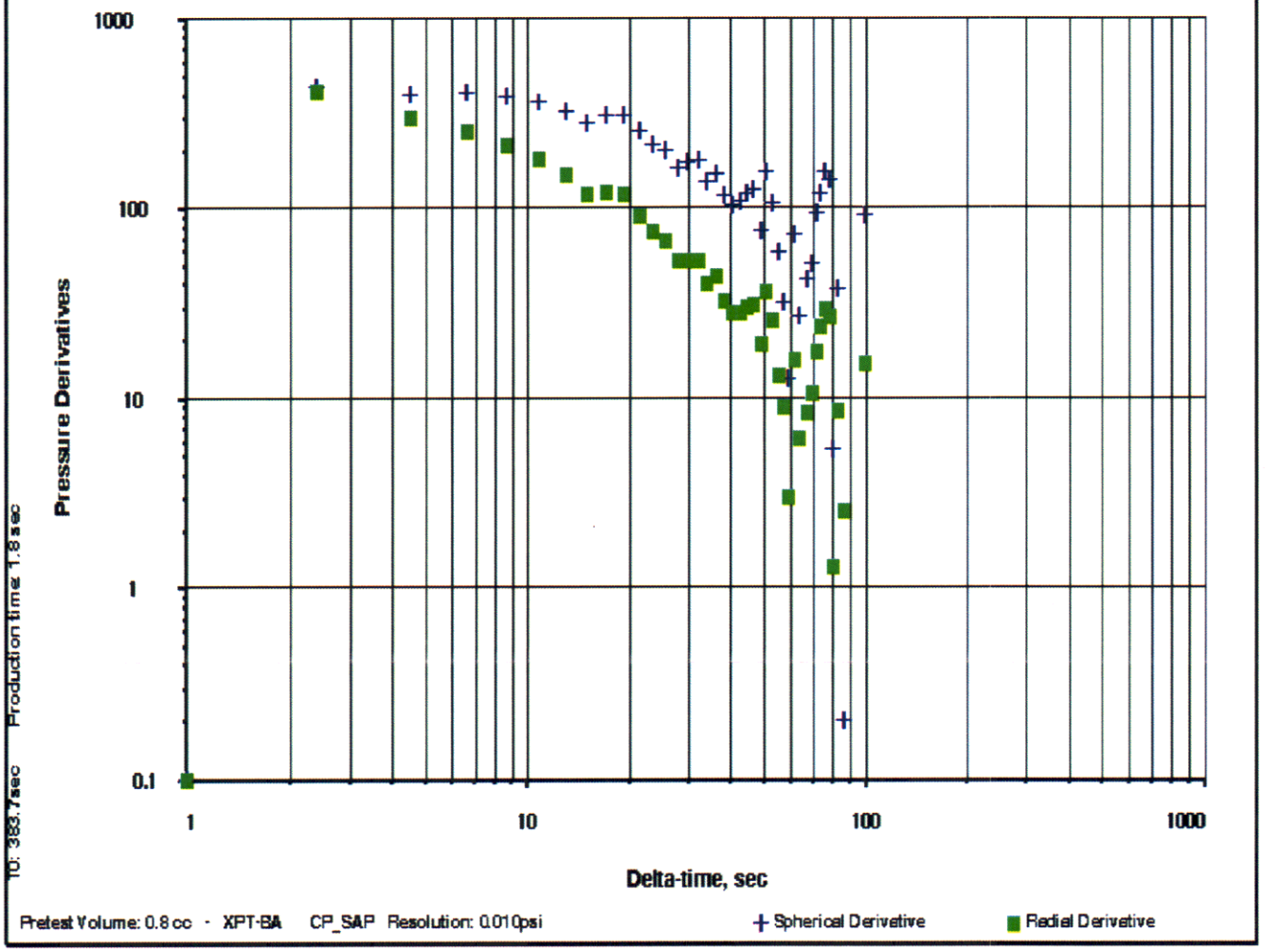
File 82 Depth, FT: 4724.96 Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	2449.39
Mud Pressure after test, PSIA:	2448.91
Last build-up pressure, PSIA:	1650.01
Draw-down mobility, md/cp:	1.7



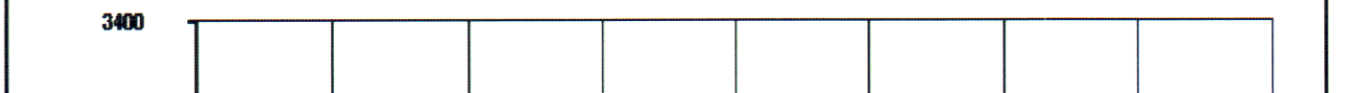


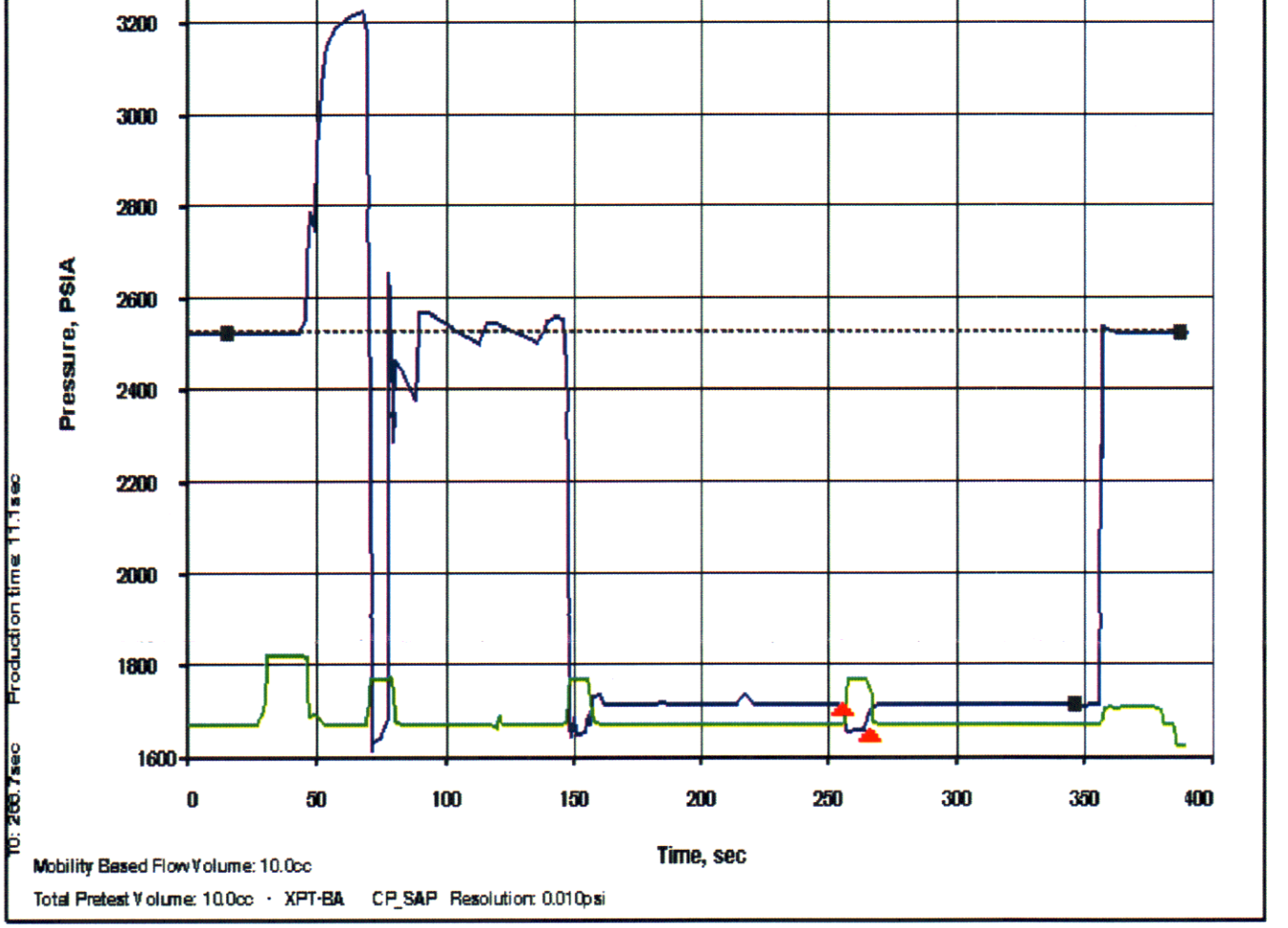
File 82 Depth, FT: 4724.96 Volumetric Limited draw-down - Large-Diameter probe



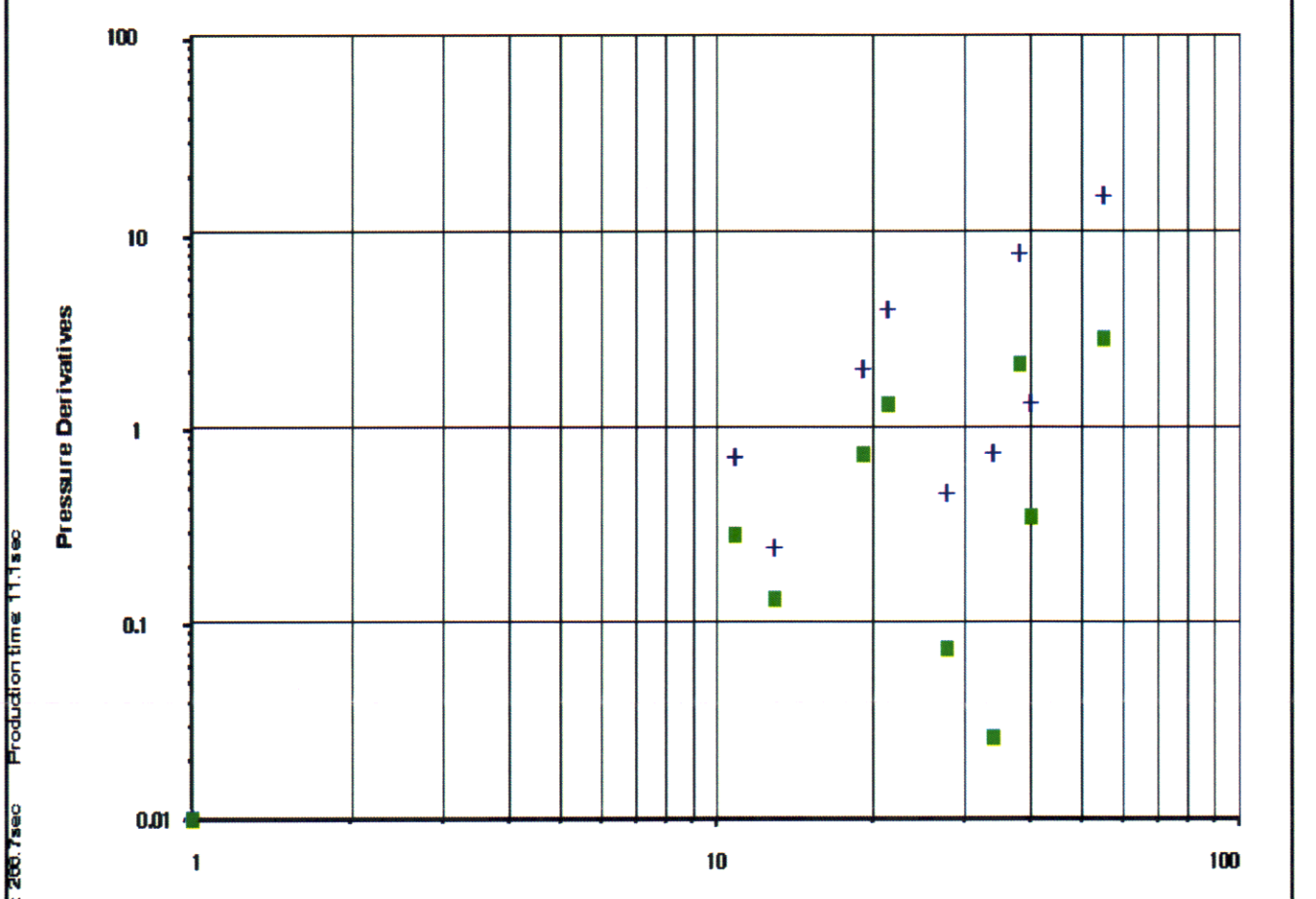
File 83 Depth, FT: 4874.98 Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	2527.24
Mud Pressure after test, PSIA:	2526.92
Last build-up pressure, PSIA:	1713.2
Draw-down mobility, md/cp:	43.7





File 83 Depth, FT: 4874.98 Volumetric Limited draw-down - Large-Diameter probe



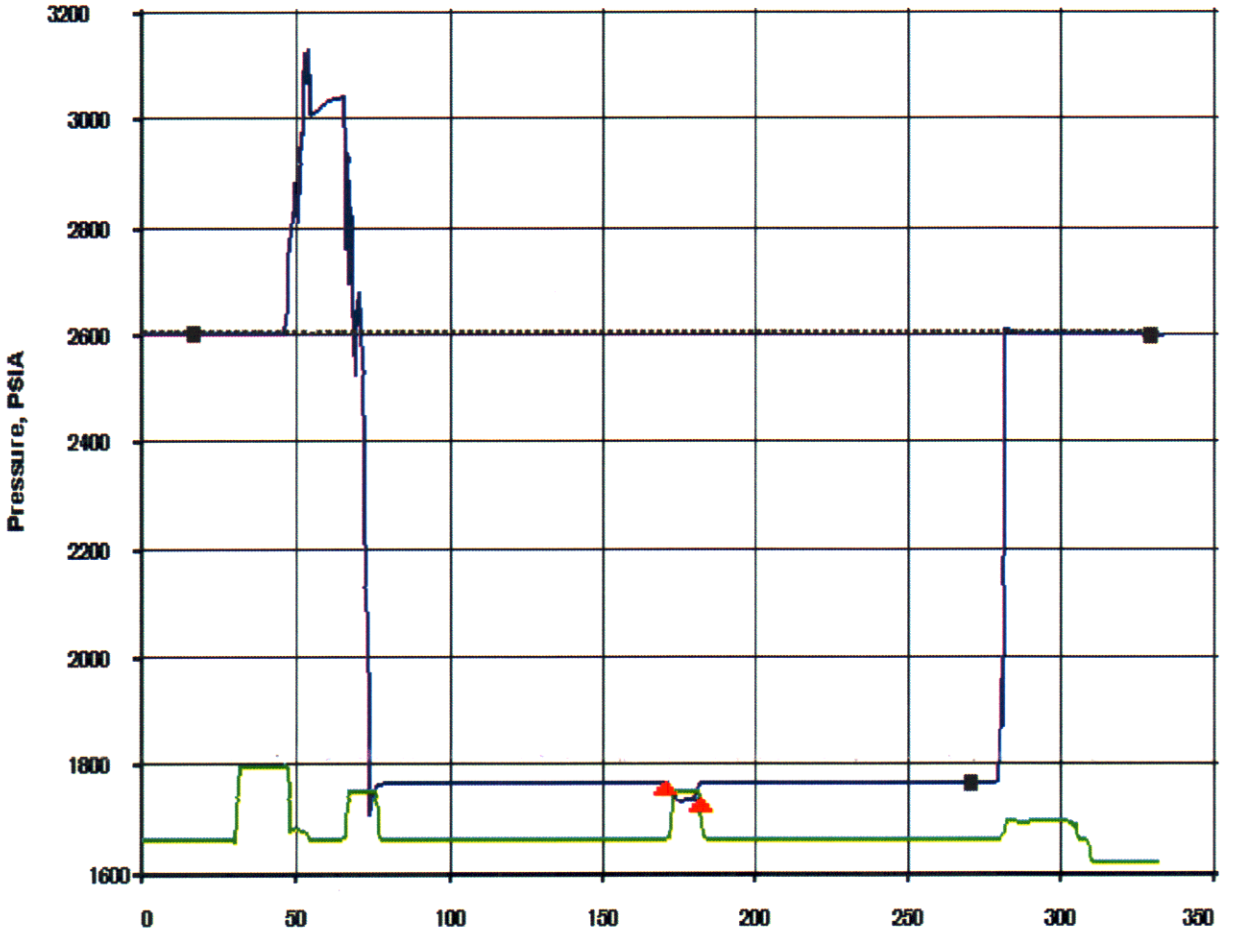
Delta-time, sec

Pretest Volume: 10.0cc · XPT-BA CP_SAP Resolution: 0.010psi

+ Spherical Derivative ■ Radial Derivative

File 84 Depth, FT: 5014.00 Volumetric Limited draw-down - Large-Diameter probe

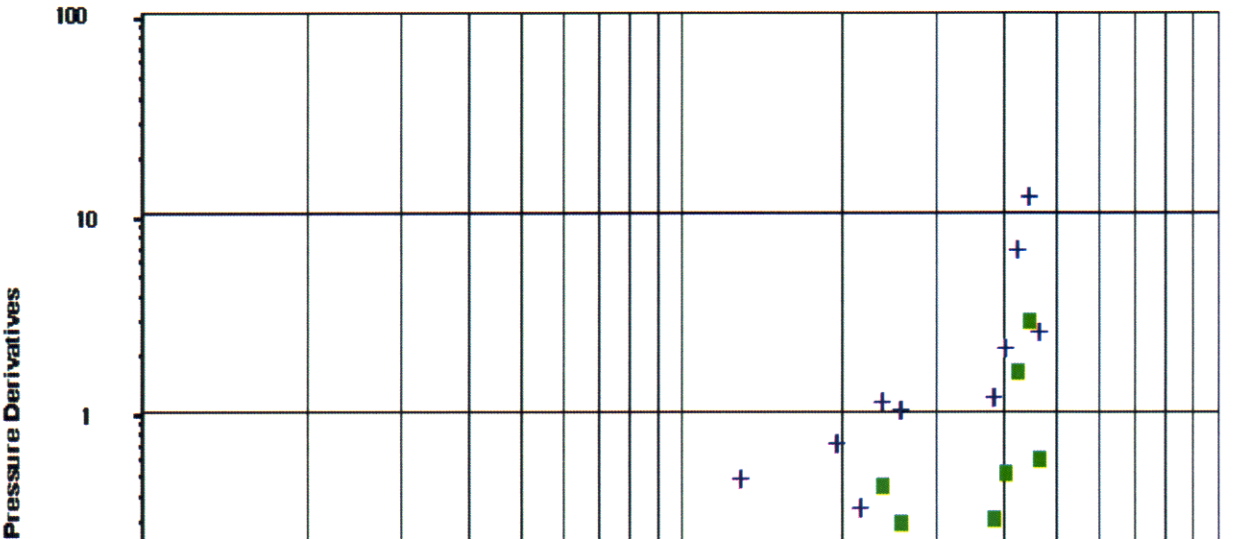
Mud Pressure before test, PSIA:	2599.71
Mud Pressure after test, PSIA:	2597.27
Last build-up pressure, PSIA:	1767.54
Draw-down mobility, md/cp:	74.1

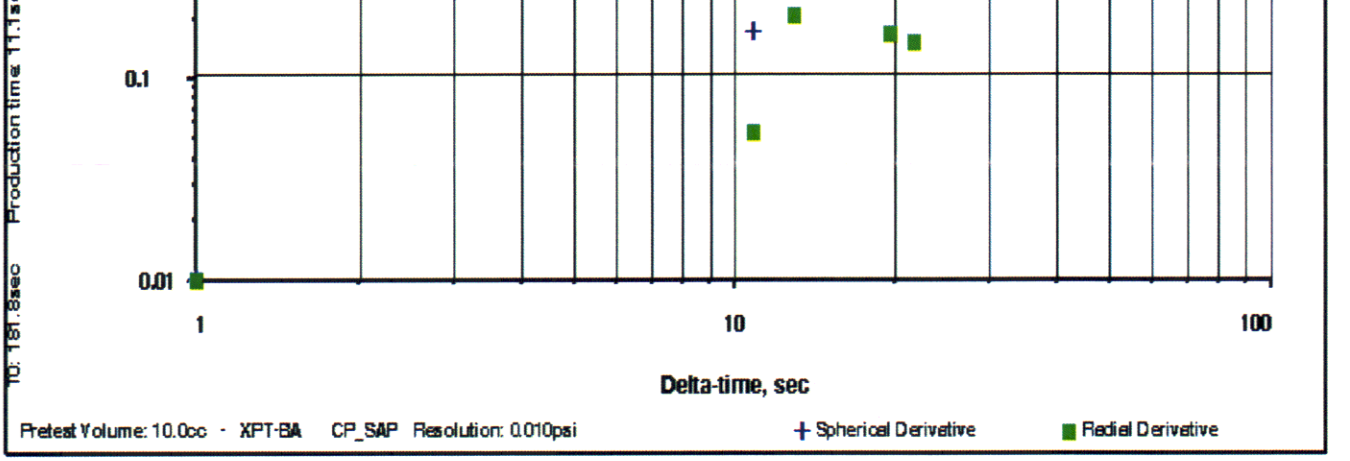


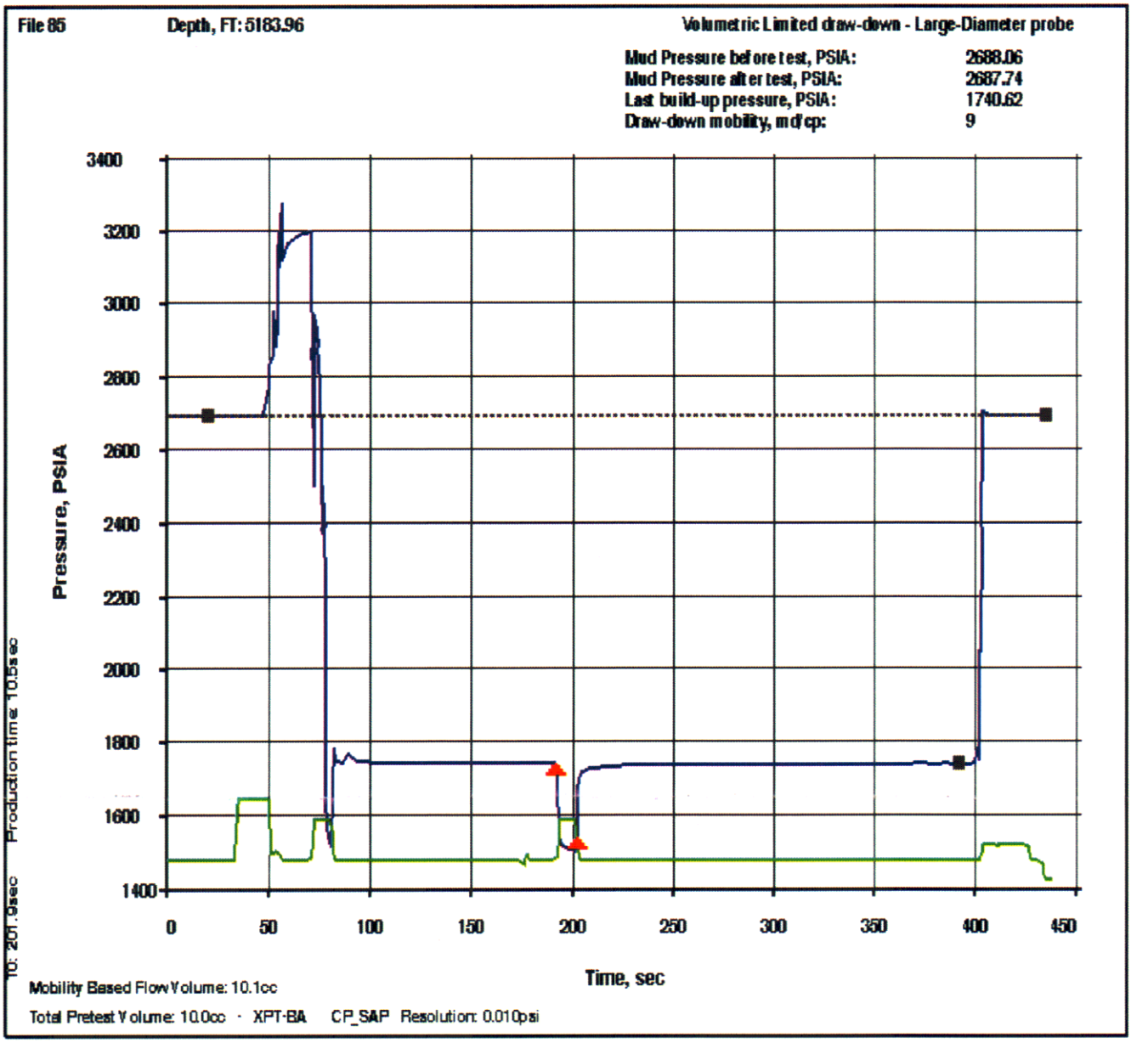
Mobility Based Flow Volume: 10.0cc

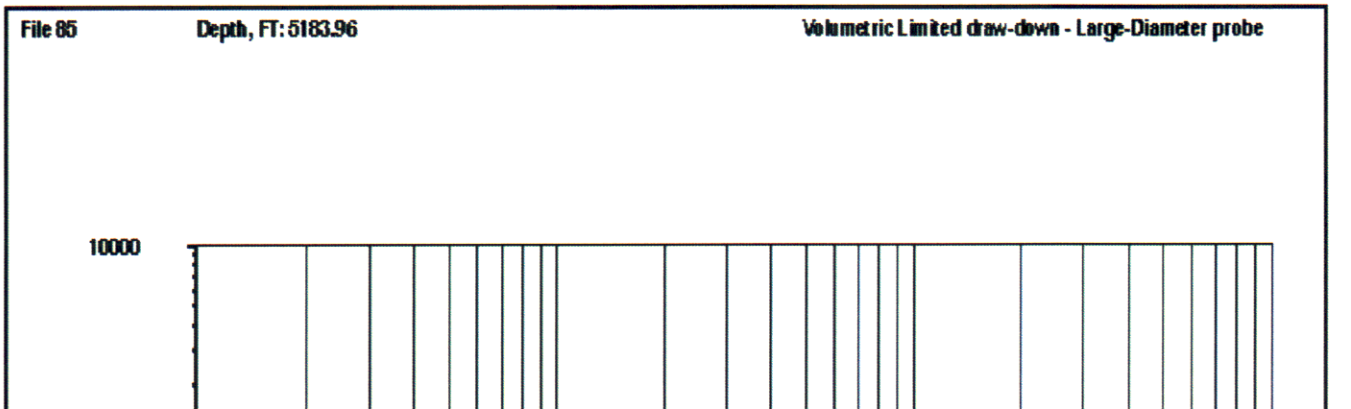
Total Pretest Volume: 10.0cc · XPT-BA CP_SAP Resolution: 0.010psi

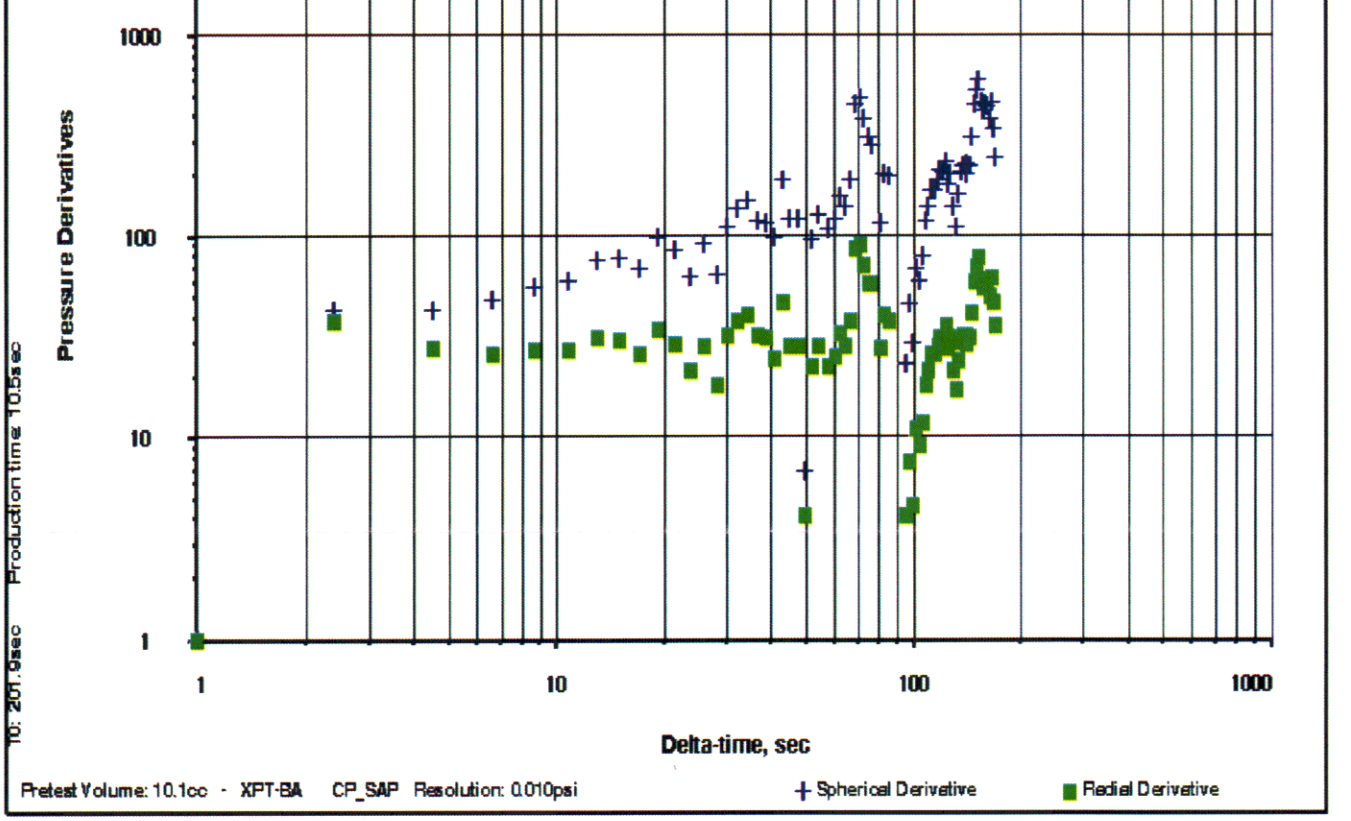
File 84 Depth, FT: 5014.00 Volumetric Limited draw-down - Large-Diameter probe

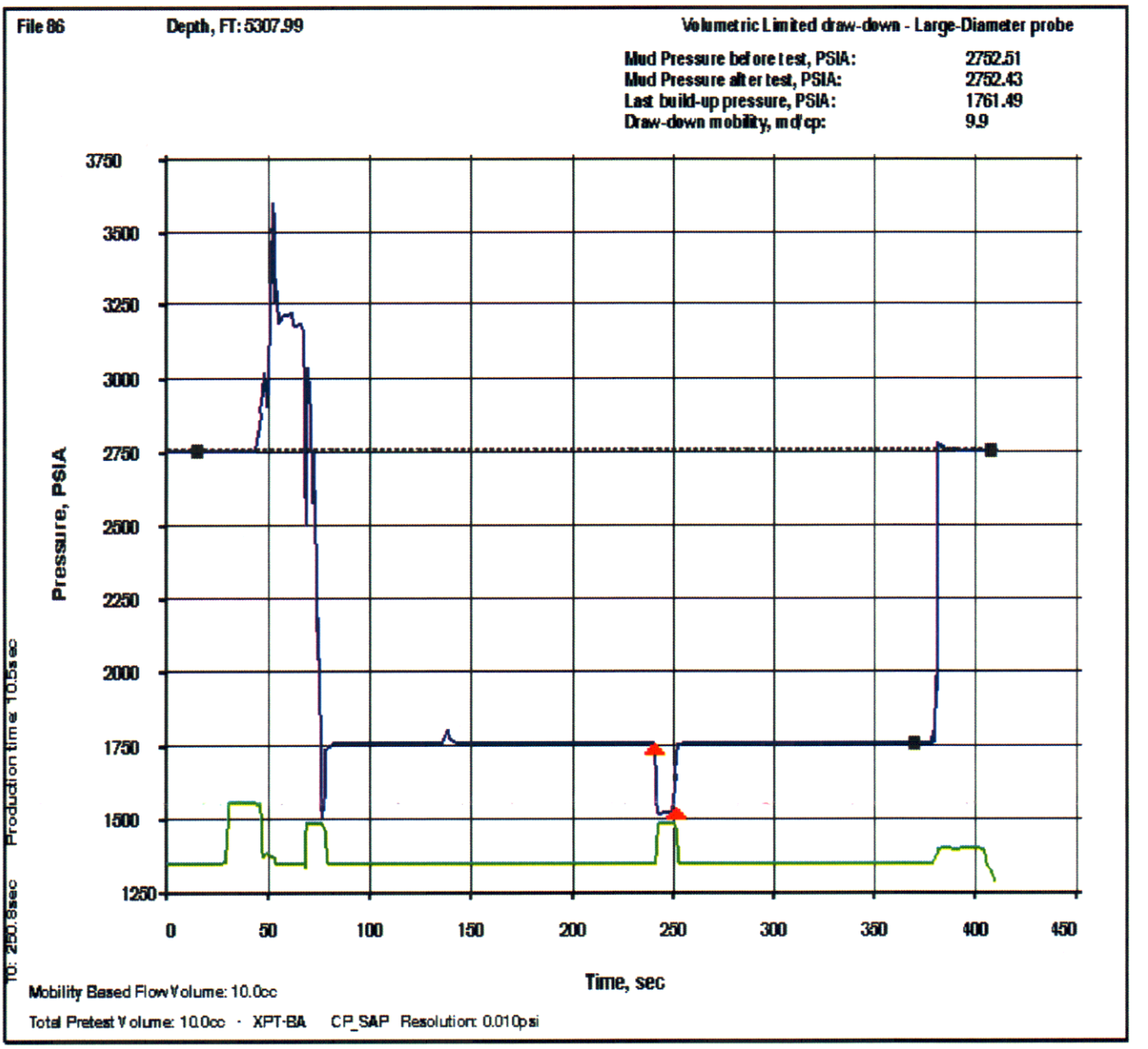


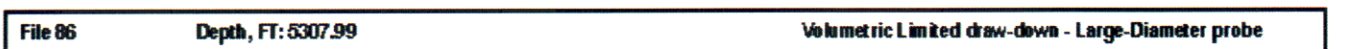

0.1
0.01
1
10
100
Delta-time, sec
Production time: 11.1sec
TO: 181.8sec
Pretest Volume: 10.0cc - XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative

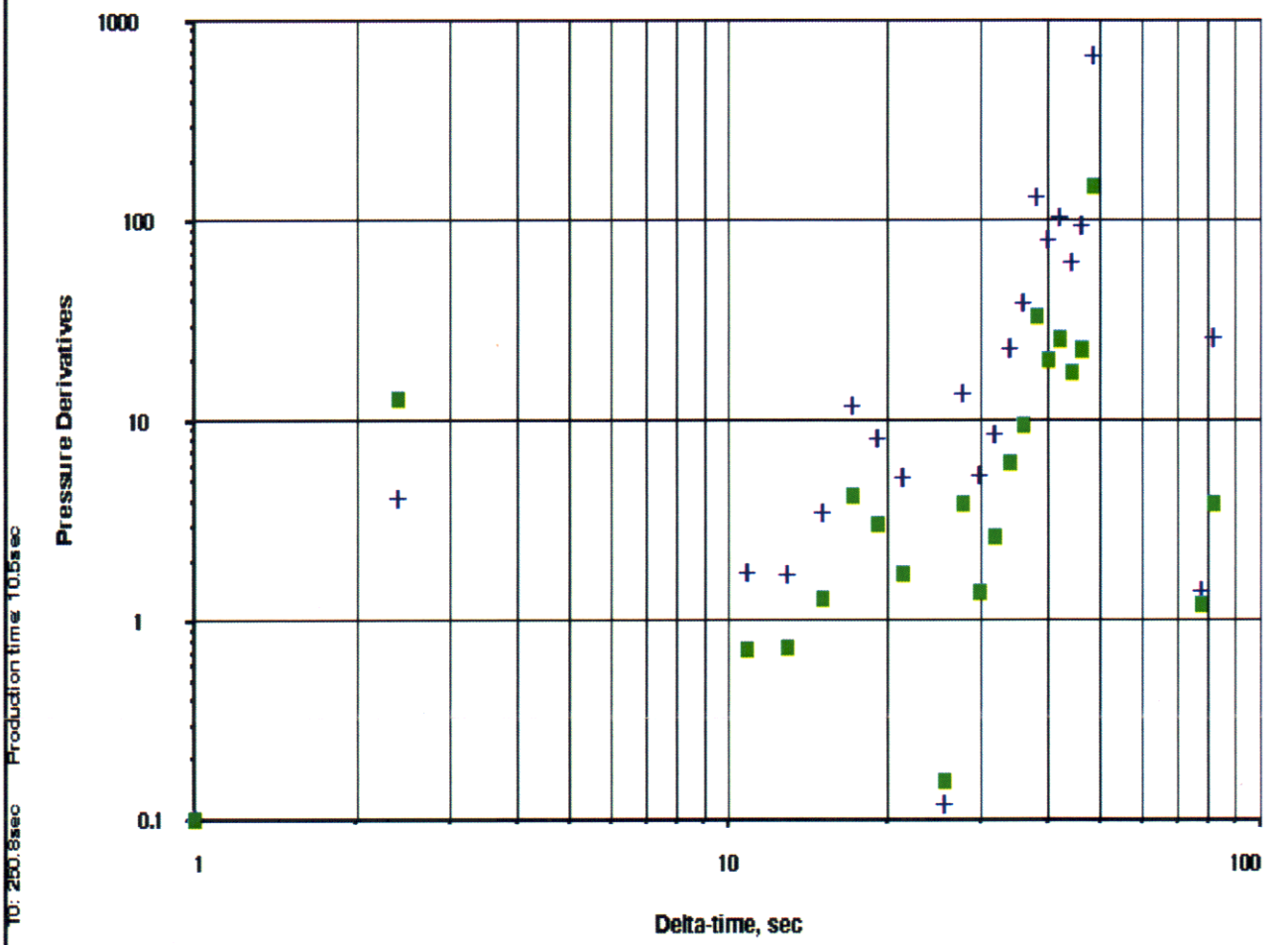

File 85
Depth, FT: 5183.96
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 2688.06
Mud Pressure after test, PSIA: 2687.74
Last build-up pressure, PSIA: 1740.62
Draw-down mobility, md/cp: 9
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
Pressure, PSIA
0
50
100
150
200
250
300
350
400
450
Time, sec
Production time: 10.5sec
TO: 201.9sec
Mobility Based Flow Volume: 10.1cc
Total Pretest Volume: 10.0cc - XPT-BA CP_SAP Resolution: 0.010psi


File 85
Depth, FT: 5183.96
Volumetric Limited draw-down - Large-Diameter probe
10000


Pressure Derivatives
1000
100
10
1
1
10
100
1000
Delta-time, sec
Production time: 10.5sec
10: 201.9sec
Pretest Volume: 10.1cc - XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative


File 86
Depth, FT: 5307.99
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 2752.51
Mud Pressure after test, PSIA: 2752.43
Last build-up pressure, PSIA: 1761.49
Draw-down mobility, md/cp: 9.9
Pressure, PSIA
3750
3500
3250
3000
2750
2500
2250
2000
1750
1500
1250
0
50
100
150
200
250
300
350
400
450
Time, sec
Production time: 10.5sec
10: 250.8sec
Mobility Based Flow Volume: 10.0cc
Total Pretest Volume: 10.0cc - XPT-BA CP_SAP Resolution: 0.010psi


File 86
Depth, FT: 5307.99
Volumetric Limited draw-down - Large-Diameter probe



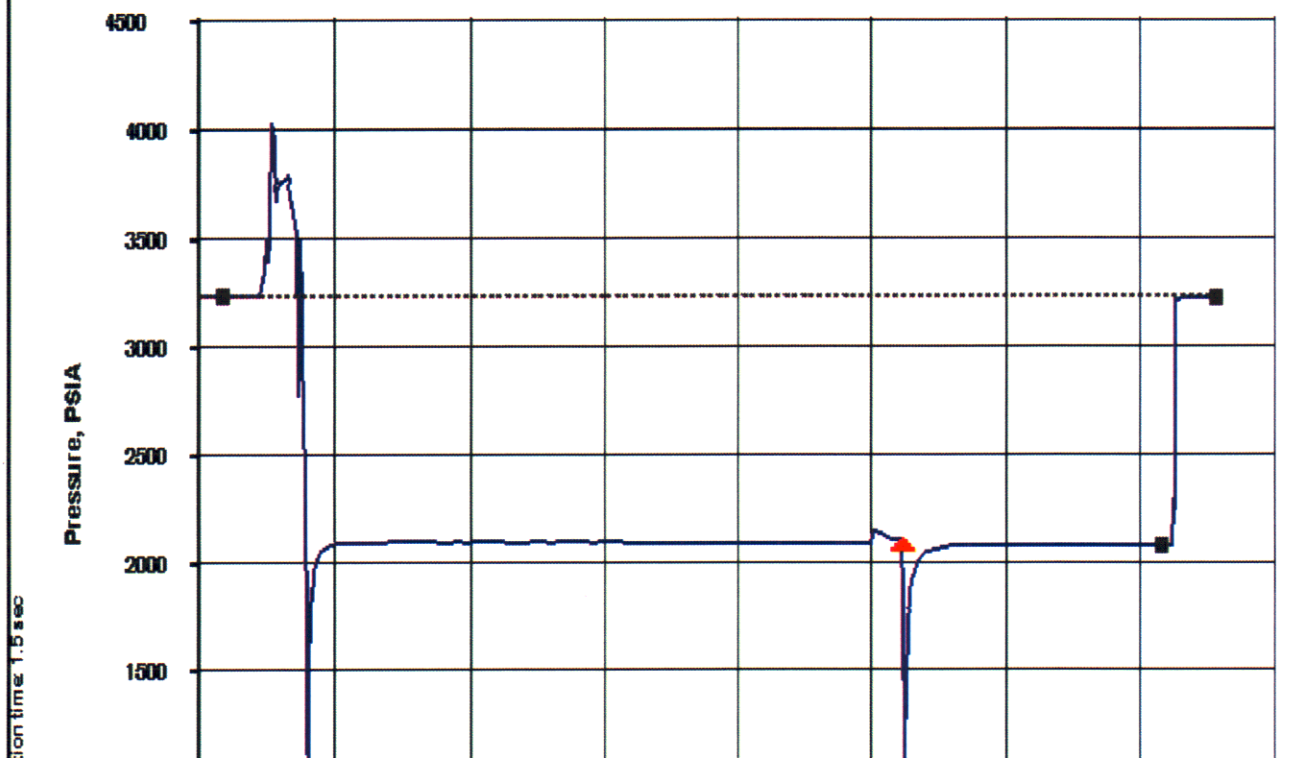
Pretest Volume: 10.0cc · XPT-BA CP_SAP Resolution: 0.010psi

+ Spherical Derivative ■ Radial Derivative

File 87 Depth, FT: 6214.01

Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	3224.96
Mud Pressure after test, PSIA:	3222.91
Last build-up pressure, PSIA:	2083.96
Draw-down mobility, md/cp:	0.4



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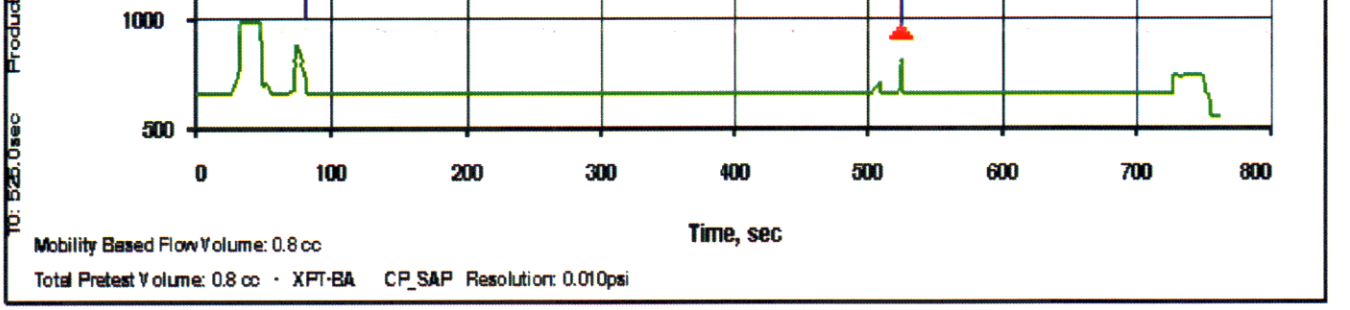
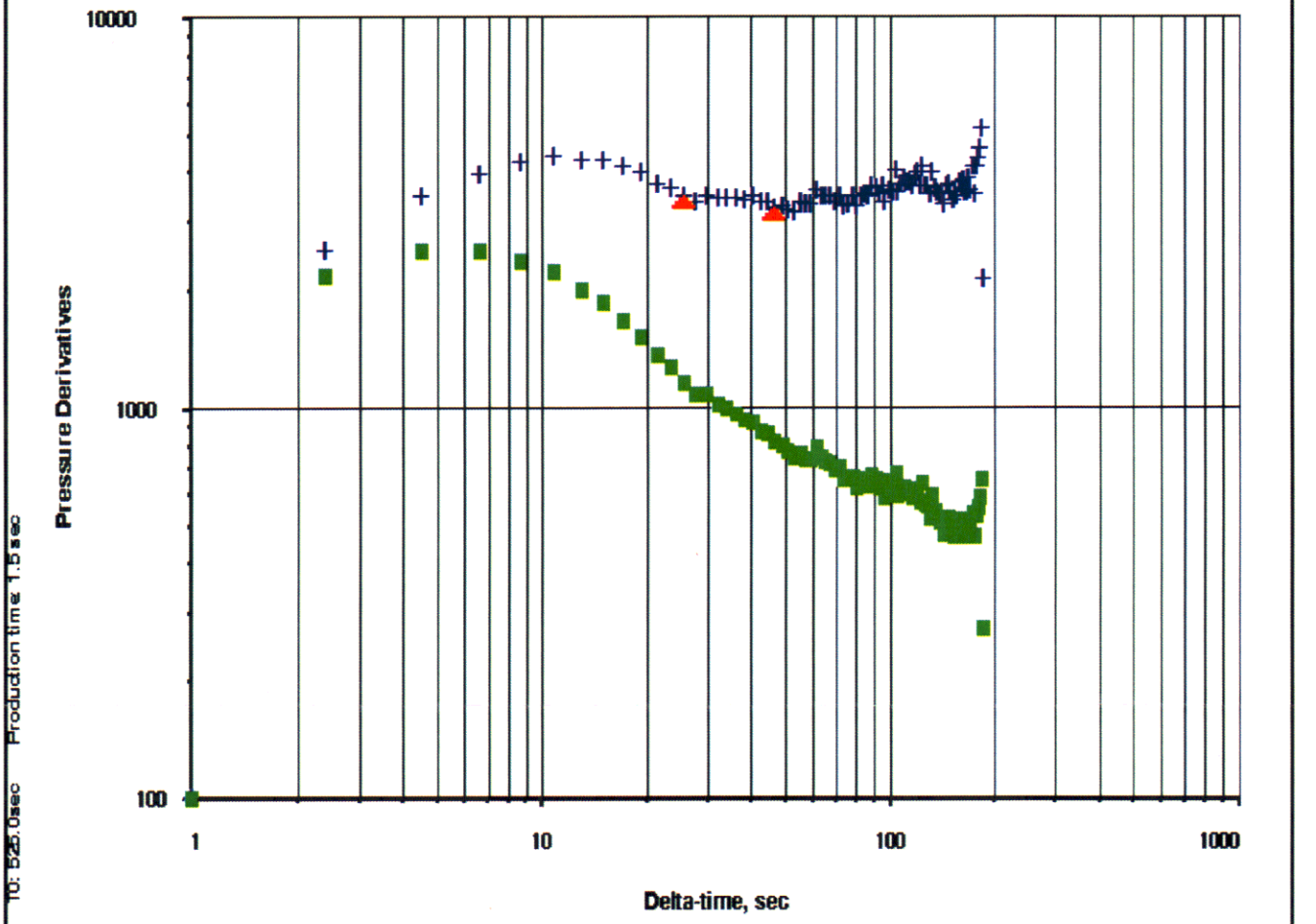


File 87 Depth, FT: 6214.01 Volumetric Limited draw-down - Large-Diameter probe

From picks on Spherical derivative:

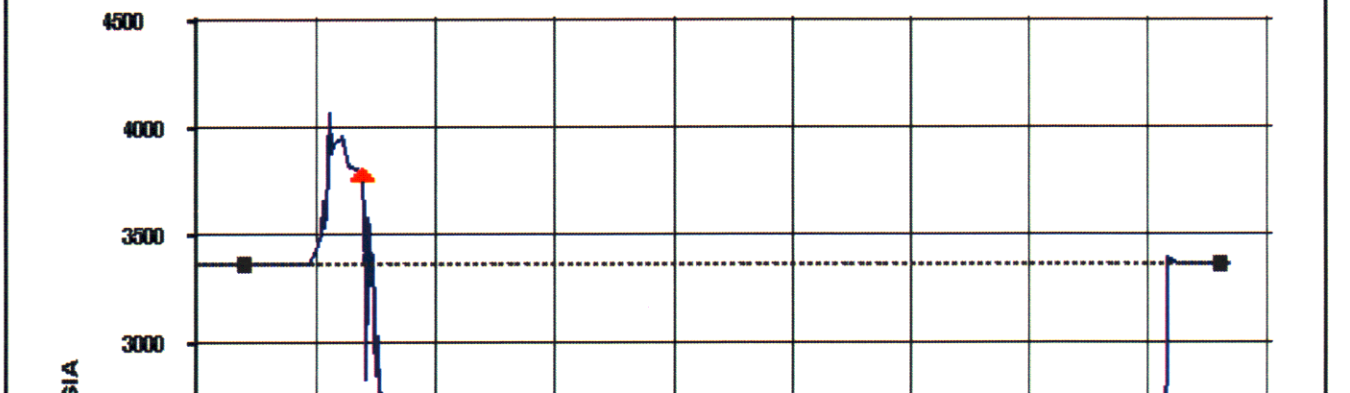
Slope on Spherical:	-0.067
Slope on Radial:	-0.555

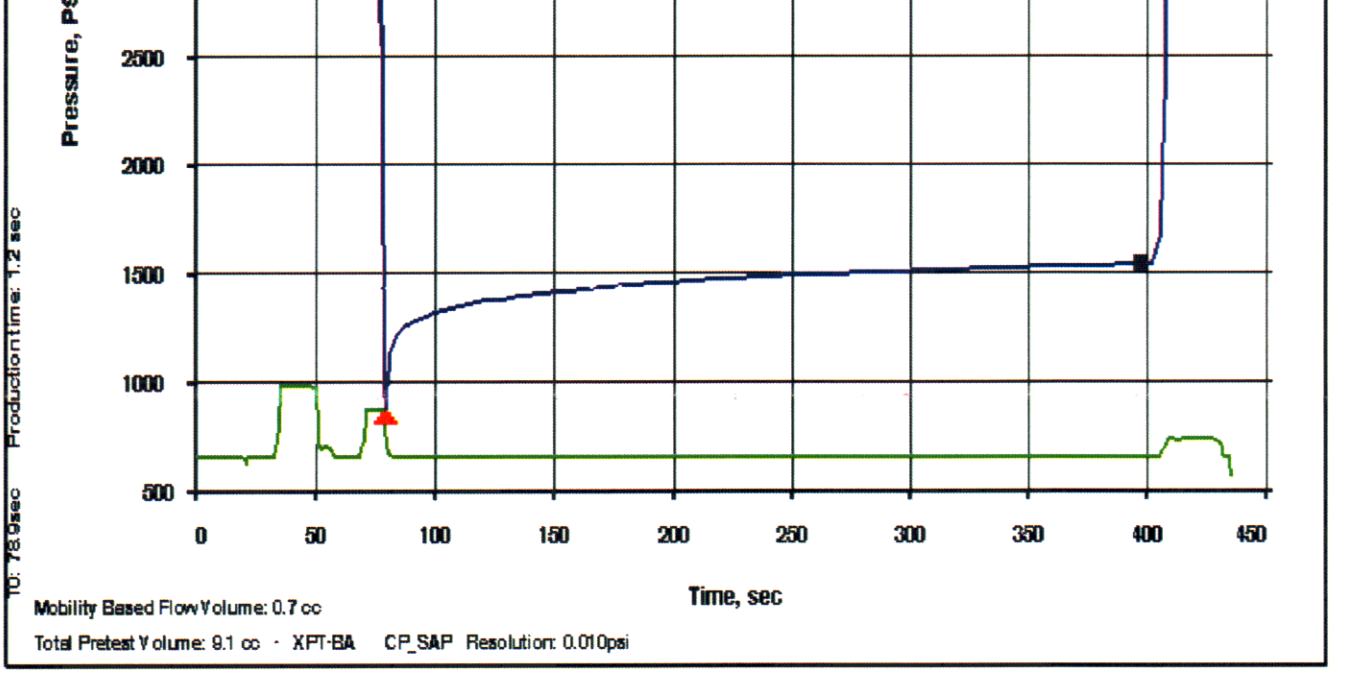


Pretest Volume: 0.8 cc · XPT-BA CP_SAP Resolution: 0.010psi + Spherical Derivative ■ Radial Derivative

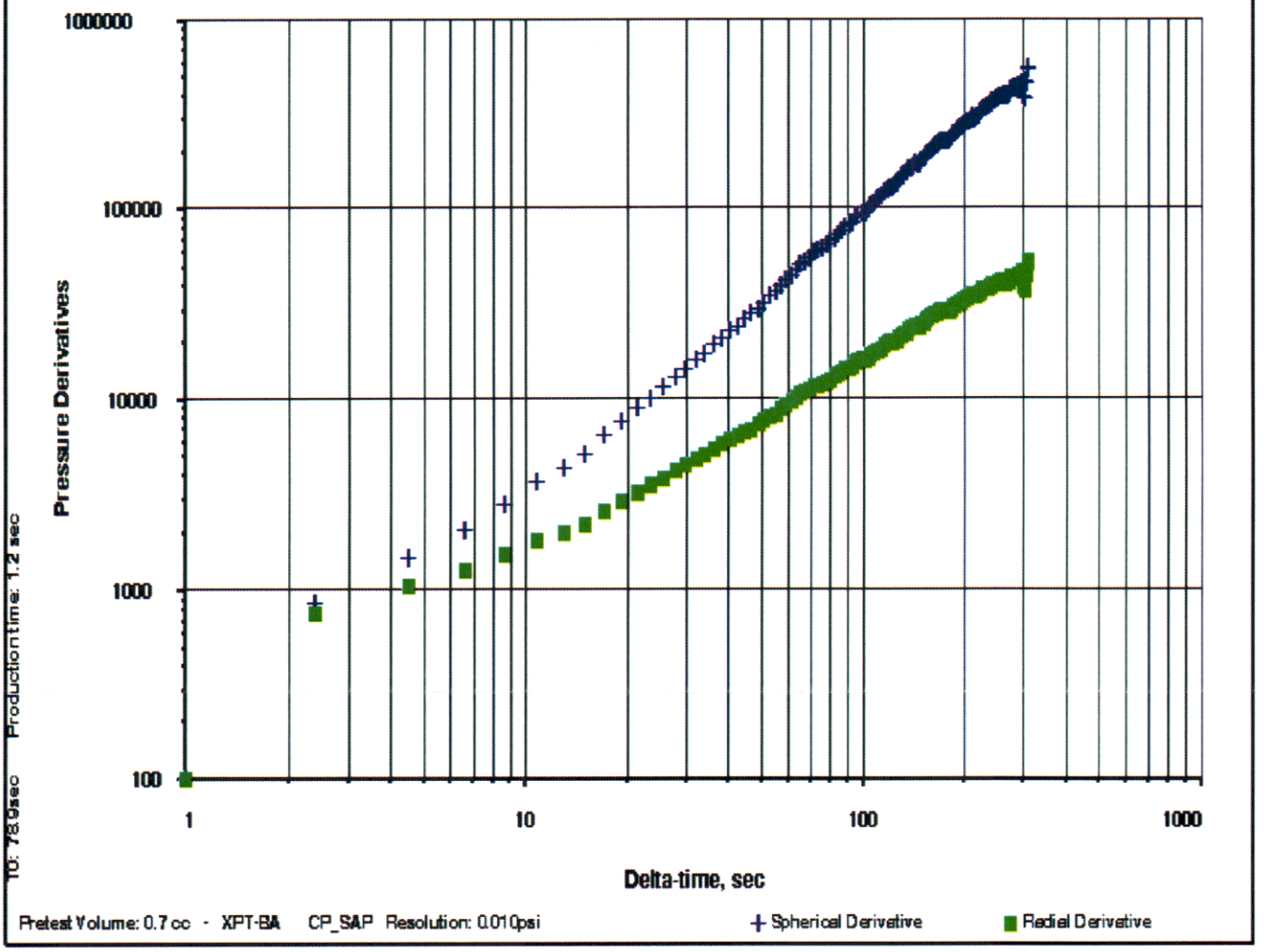
File 88 Depth, FT: 6470.00 Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	3356.7
Mud Pressure after test, PSIA:	3355.87
Last build-up pressure, PSIA:	1546.21
Draw-down mobility, md/cp:	0.06



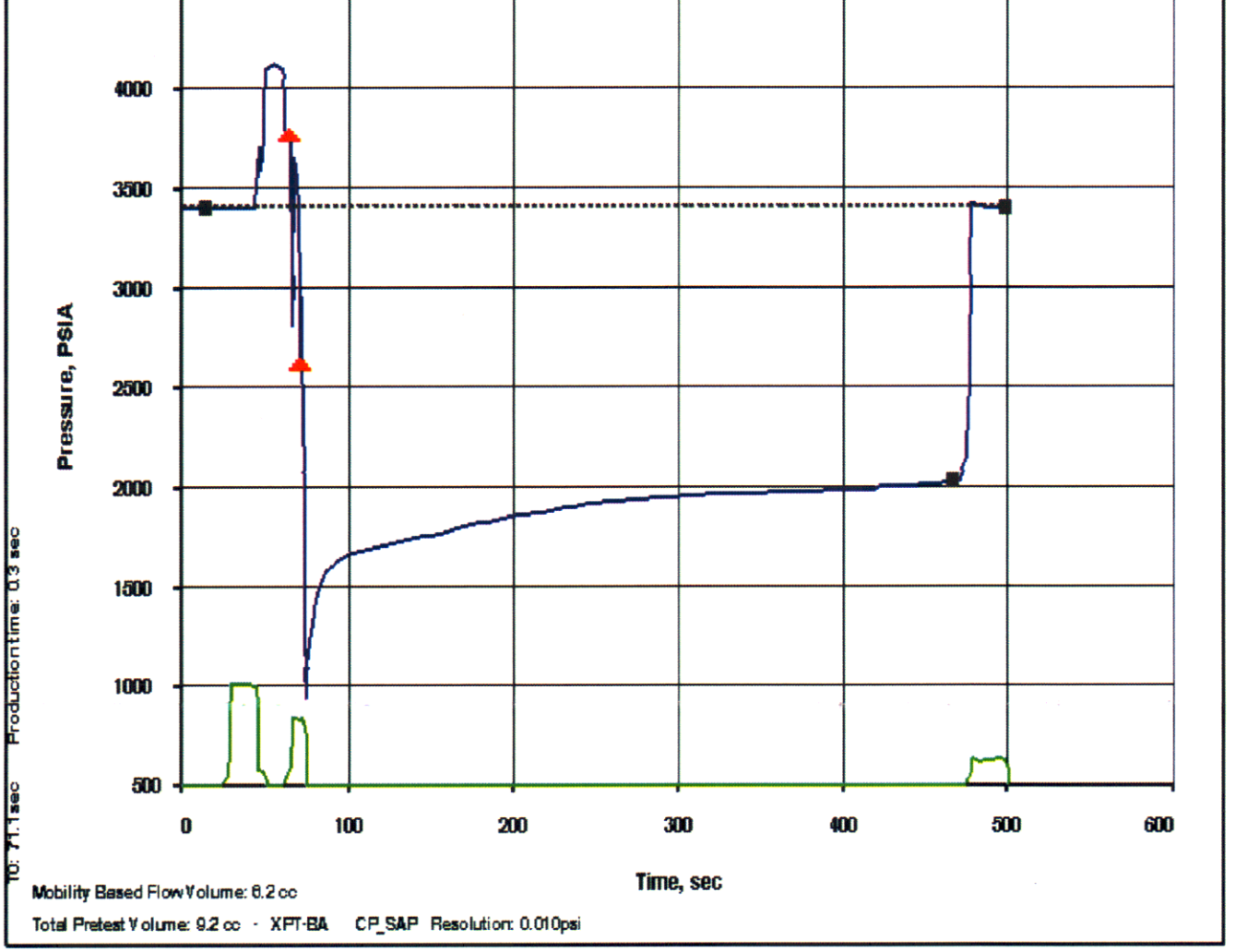


File 88 Depth, FT: 6470.00 Volumetric Limited draw-down - Large-Diameter probe



File 89 Depth, FT: 6549.98 Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	3397.69
Mud Pressure after test, PSIA:	3397.06
Last build-up pressure, PSIA:	2032.66
Draw-down mobility, md/cp:	0.2



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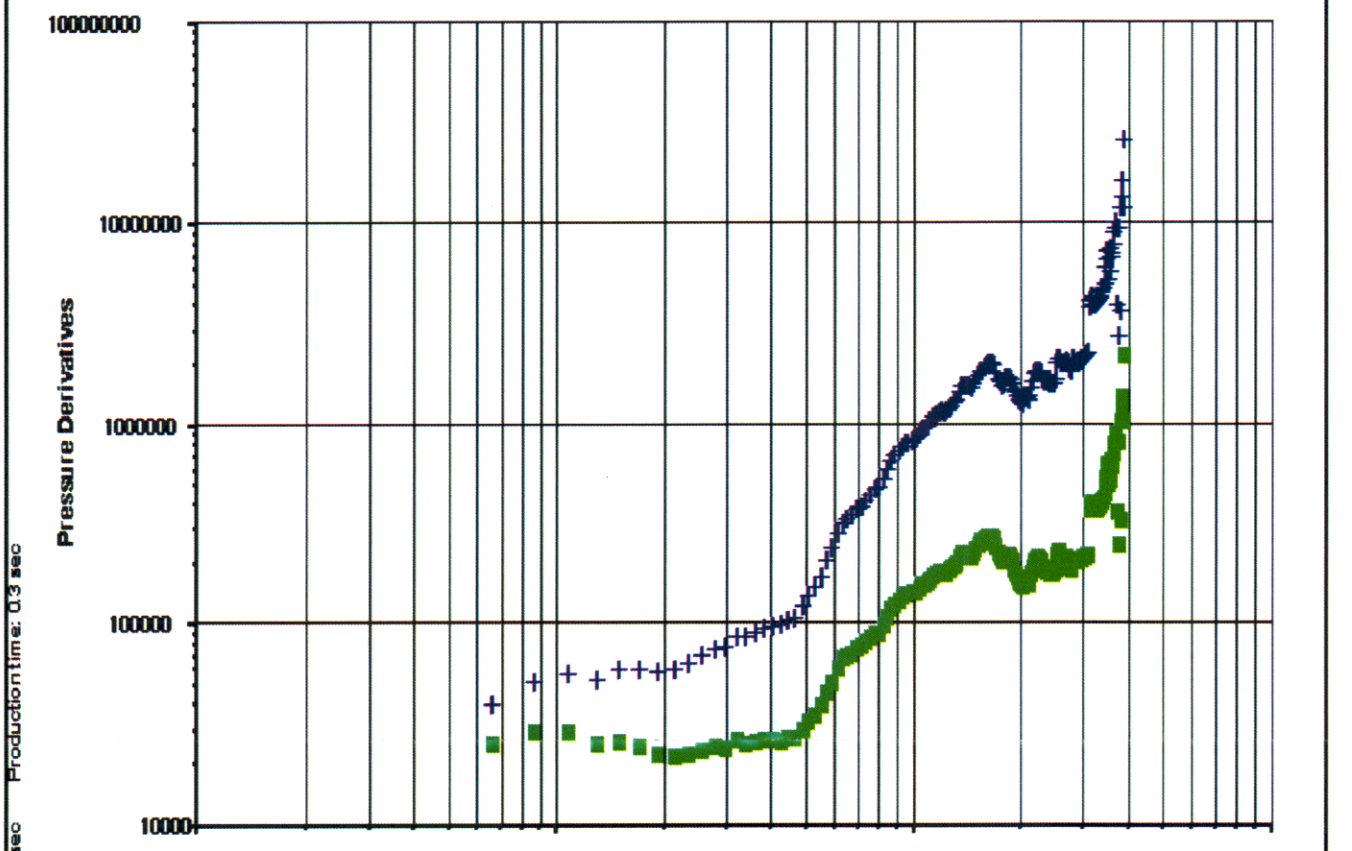
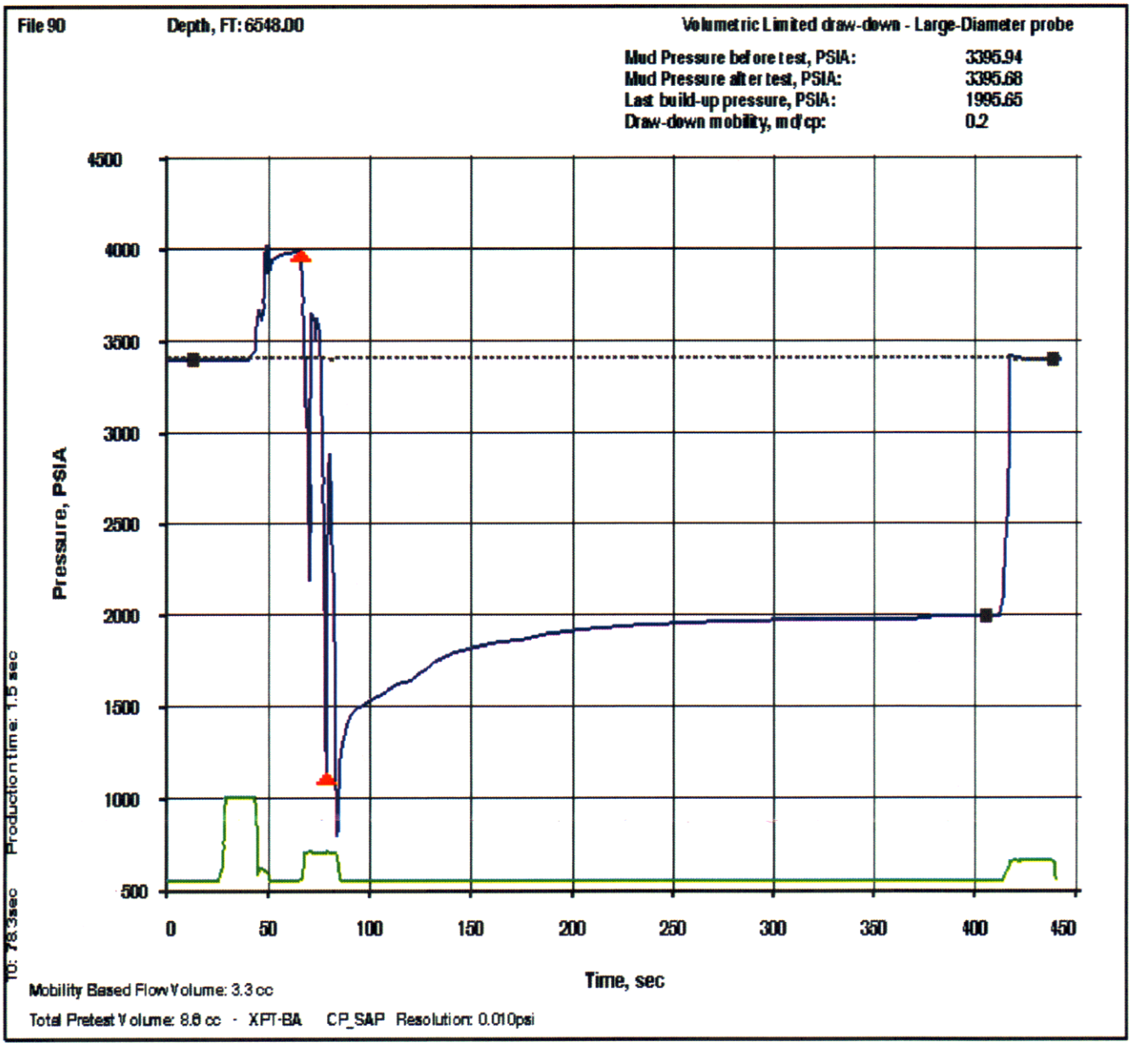
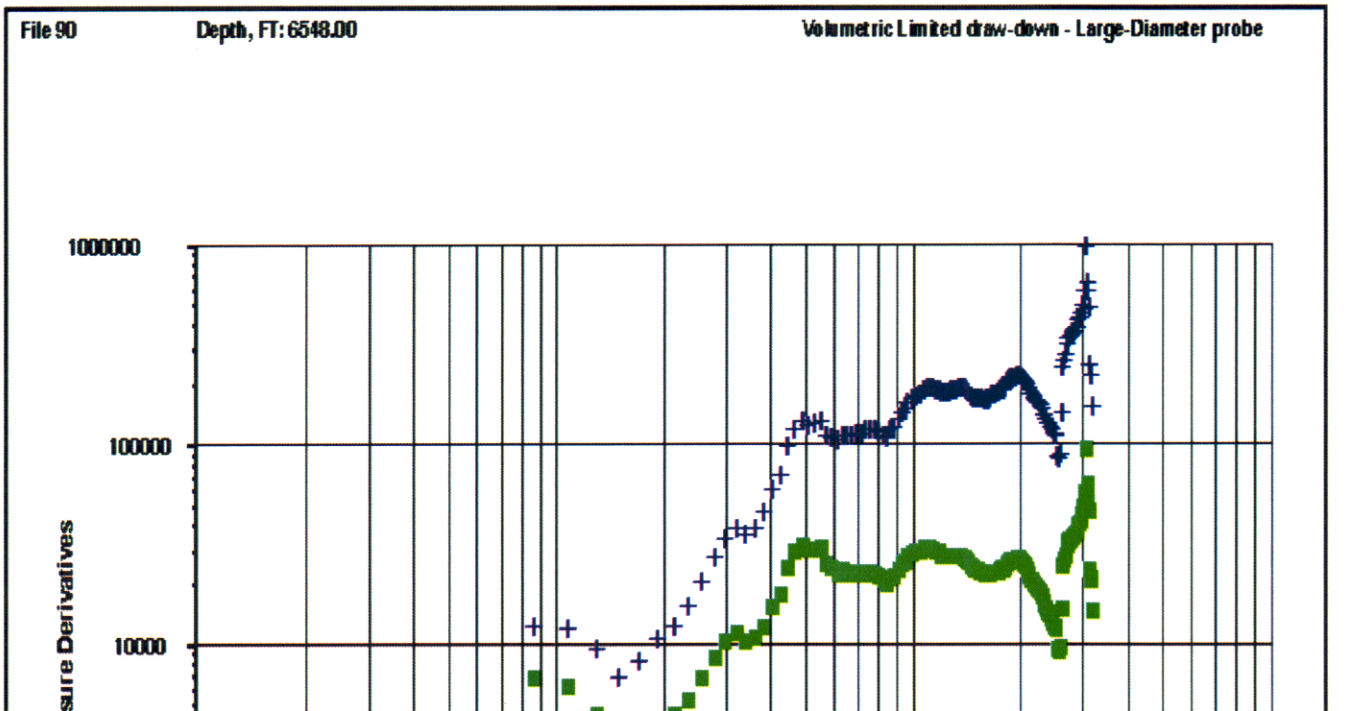
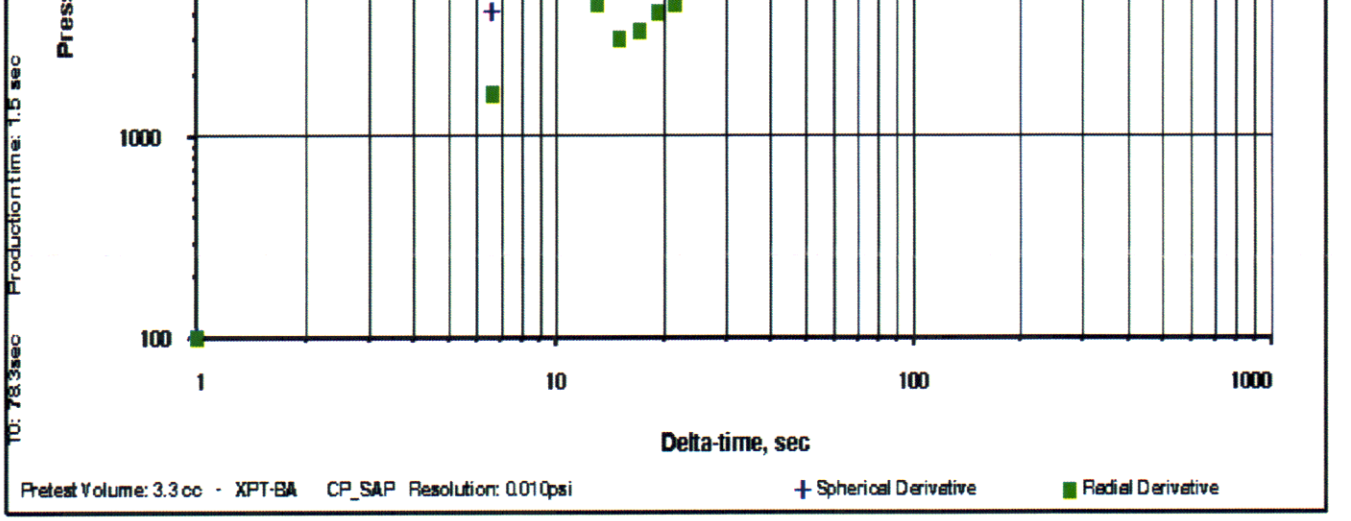
File 89 Depth, FT: 6549.98 Volumetric Limited draw-down - Large-Diameter probe



1
10
100
1000
Delta-time, sec
Pretest Volume: 6.2 cc - XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative

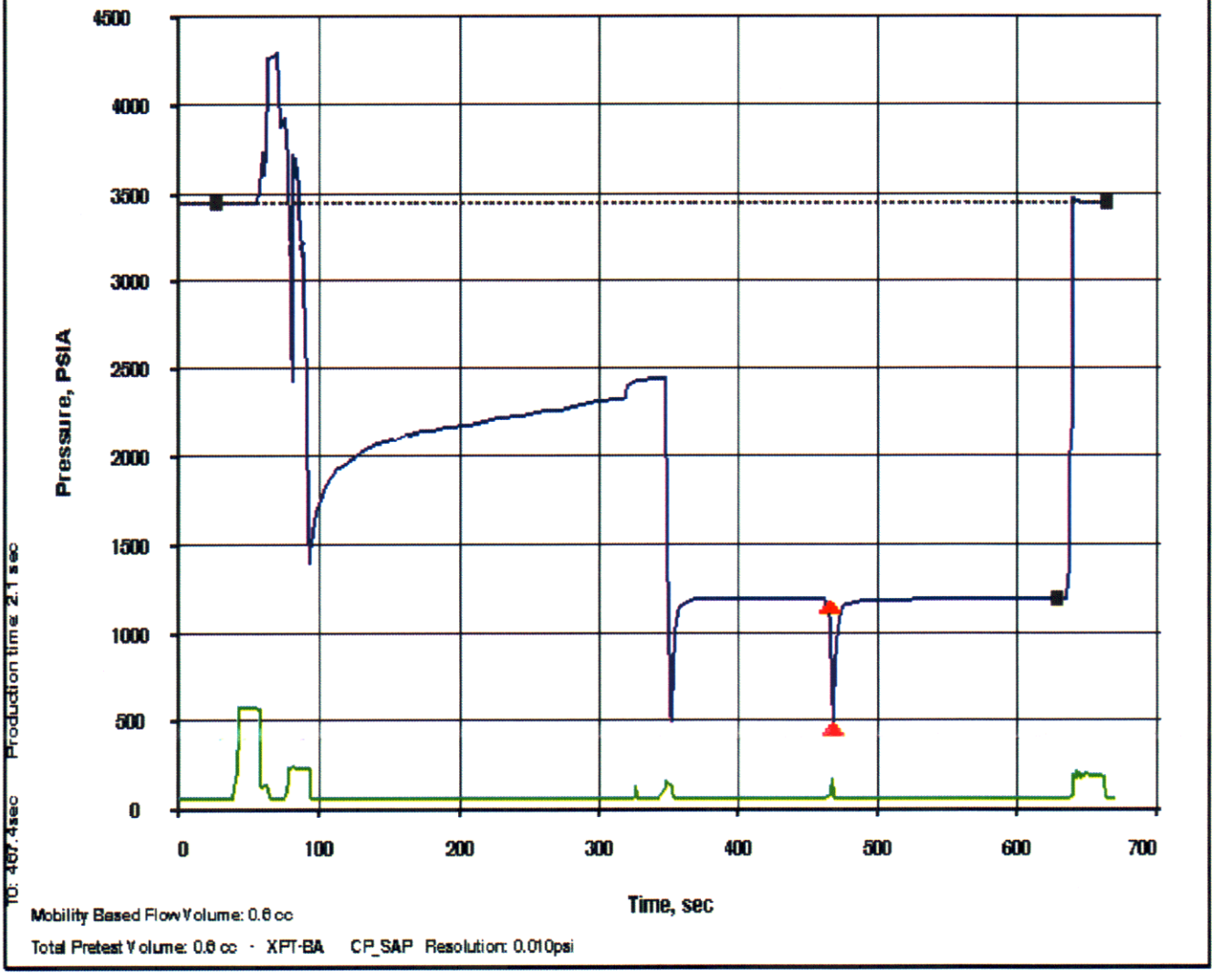

File 90
Depth, FT: 6548.00
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 3395.94
Mud Pressure after test, PSIA: 3395.68
Last build-up pressure, PSIA: 1995.65
Draw-down mobility, md/cp: 0.2
Pressure, PSIA
4500
4000
3500
3000
2500
2000
1500
1000
500
0
50
100
150
200
250
300
350
400
450
Time, sec
Production time: 1.5 sec
Mobility Based Flow Volume: 3.3 cc
Total Pretest Volume: 8.6 cc - XPT-BA CP_SAP Resolution: 0.010psi


File 90
Depth, FT: 6548.00
Volumetric Limited draw-down - Large-Diameter probe
1000000
100000
10000
sure Derivatives



File 91 Depth, FT: 6637.97 Volumetric Limited draw-down - Large-Diameter probe

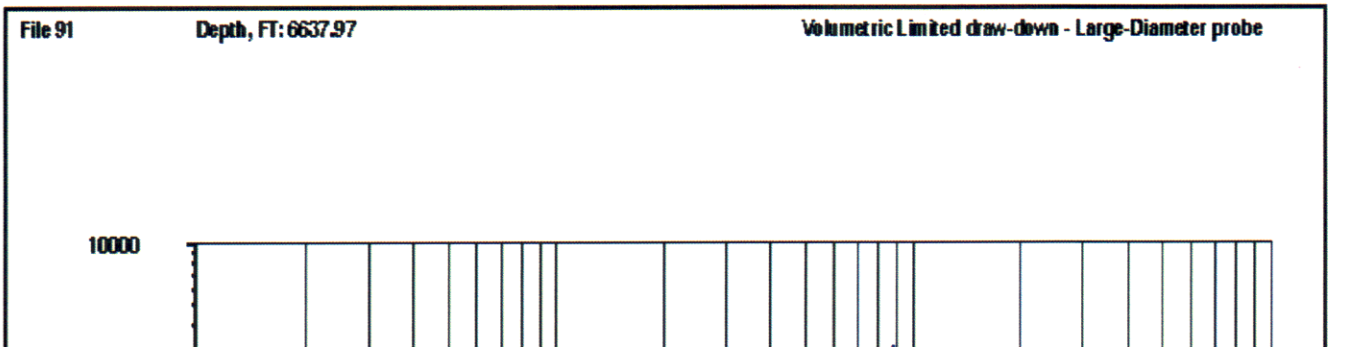
Mud Pressure before test, PSIA:	3443.21
Mud Pressure after test, PSIA:	3442.37
Last build-up pressure, PSIA:	1195.99
Draw-down mobility, md/cp:	0.5

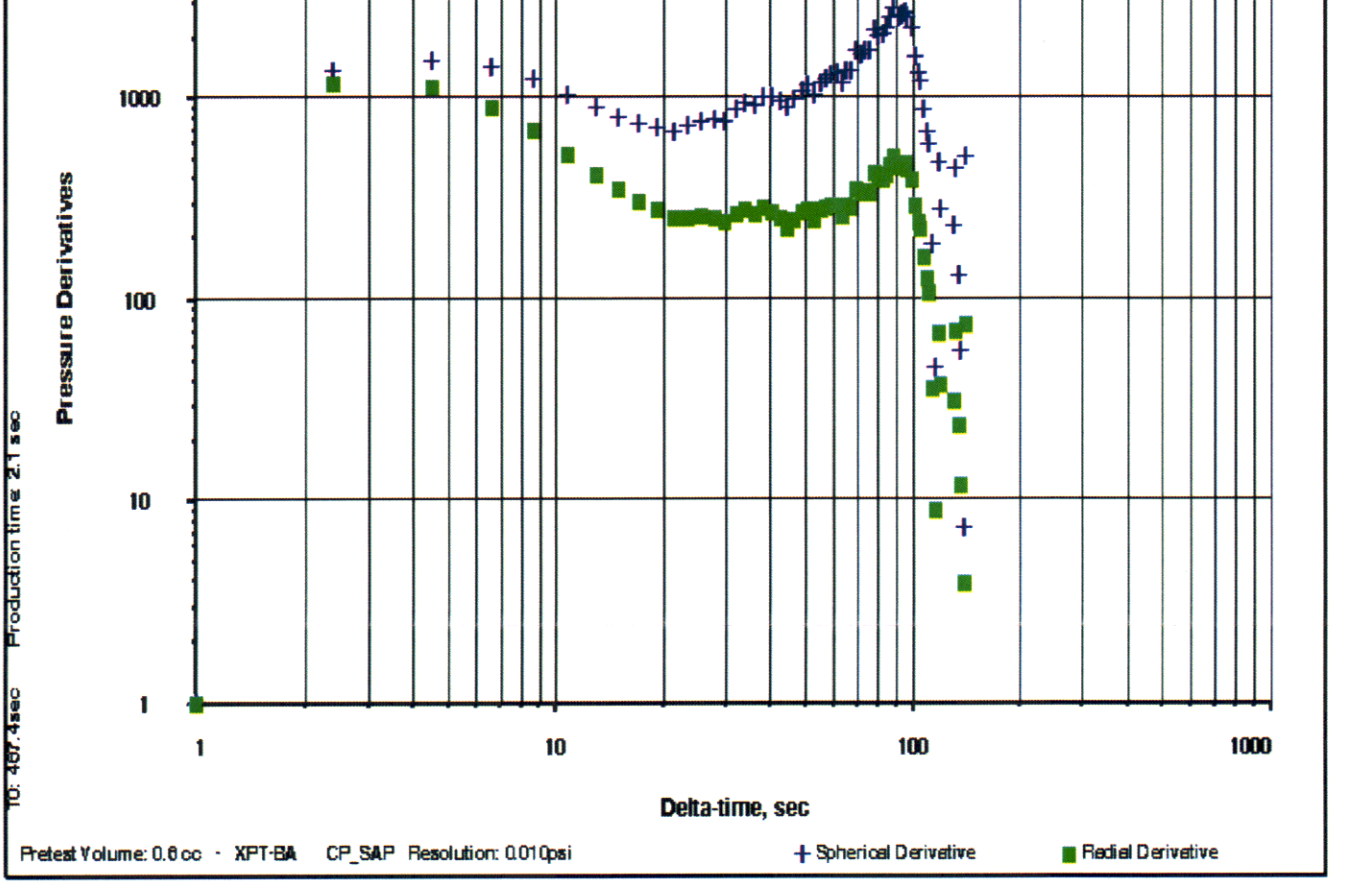


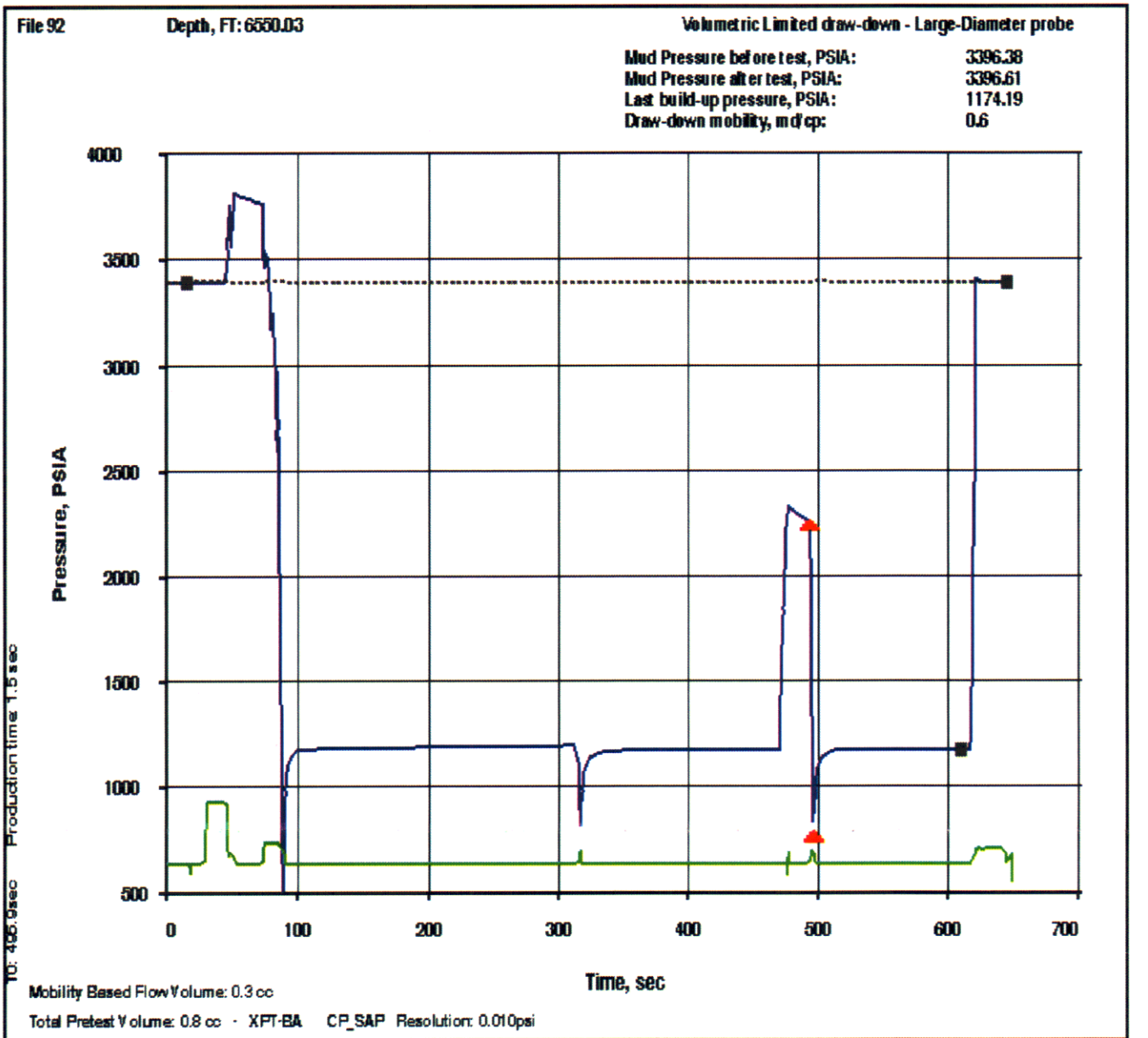
Mobility Based Flow Volume: 0.6 cc

Total Pretest Volume: 0.6 cc · XPT-BA CP_SAP Resolution: 0.010psi

File 91 Depth, FT: 6637.97 Volumetric Limited draw-down - Large-Diameter probe







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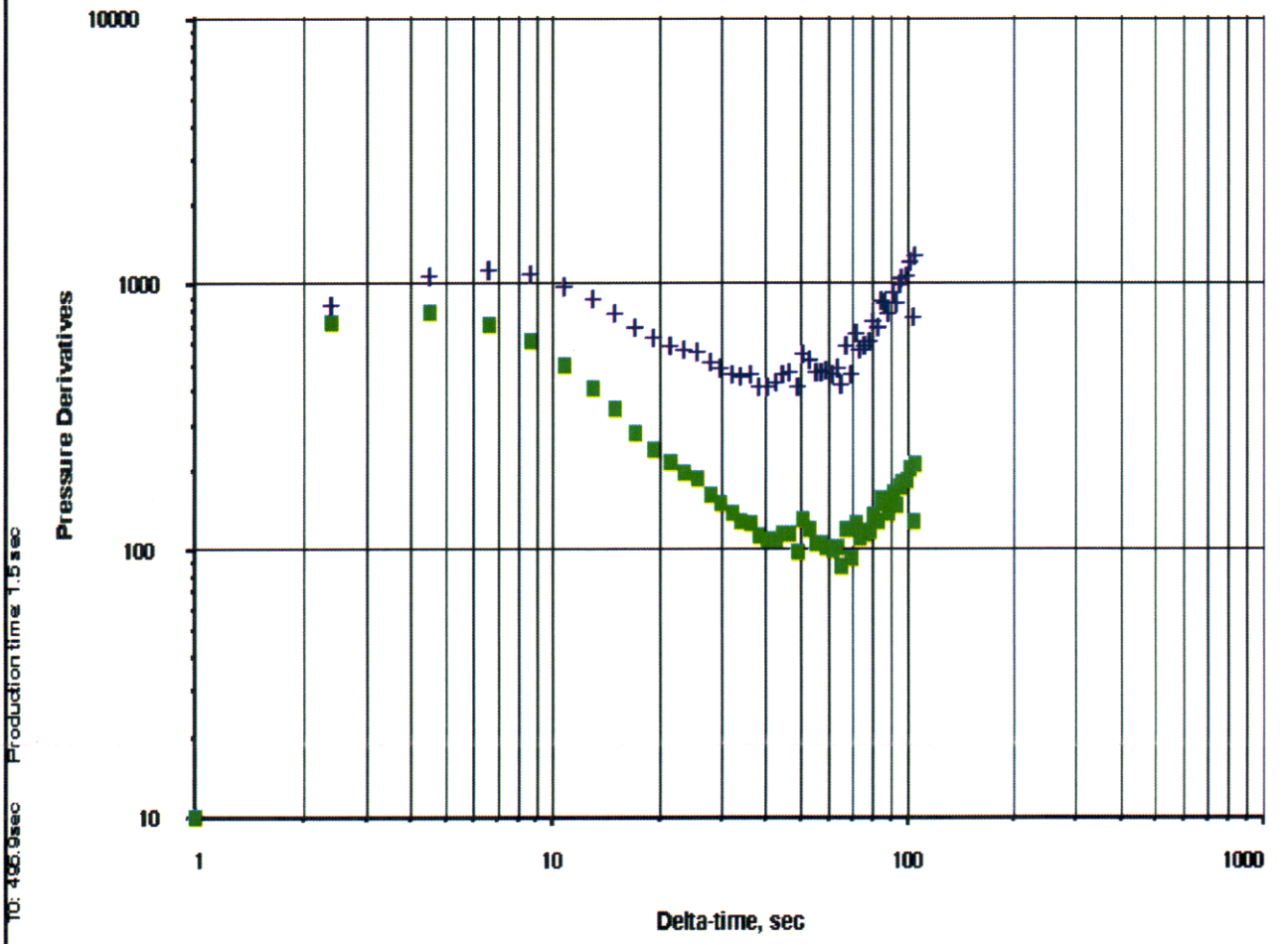
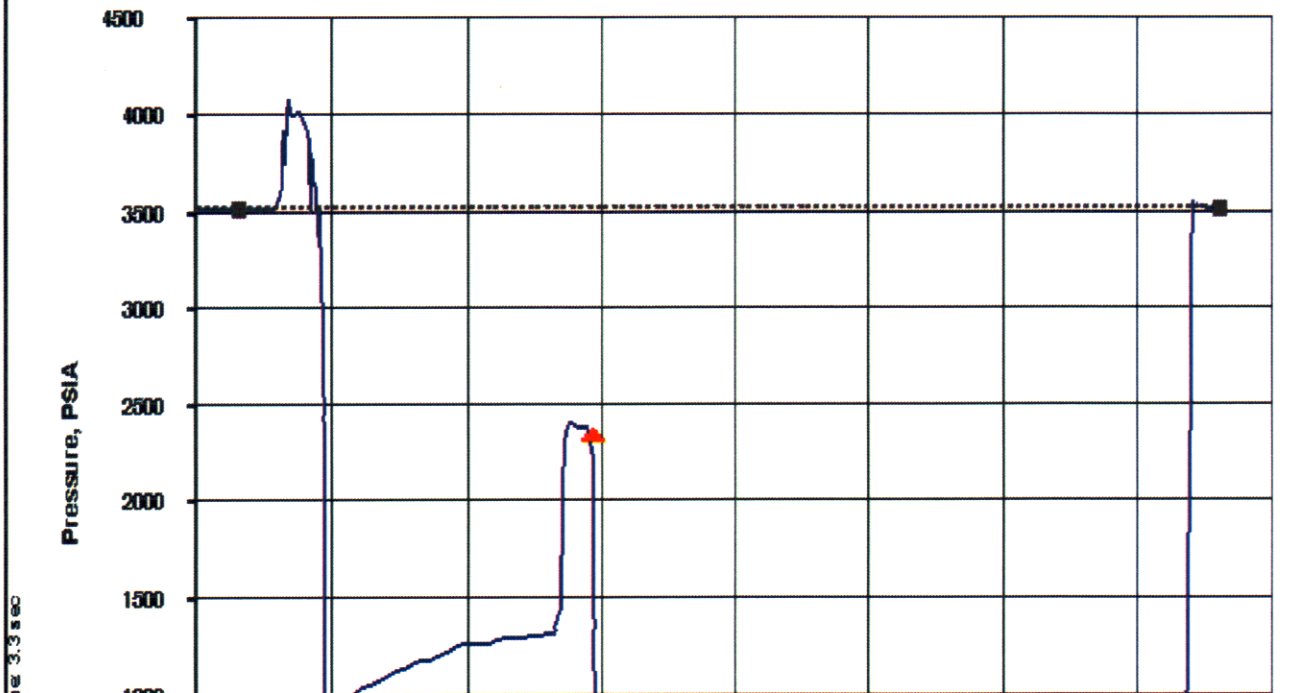
File 92 Depth, FT: 6550.03 Volumetric Limited draw-down - Large-Diameter probe



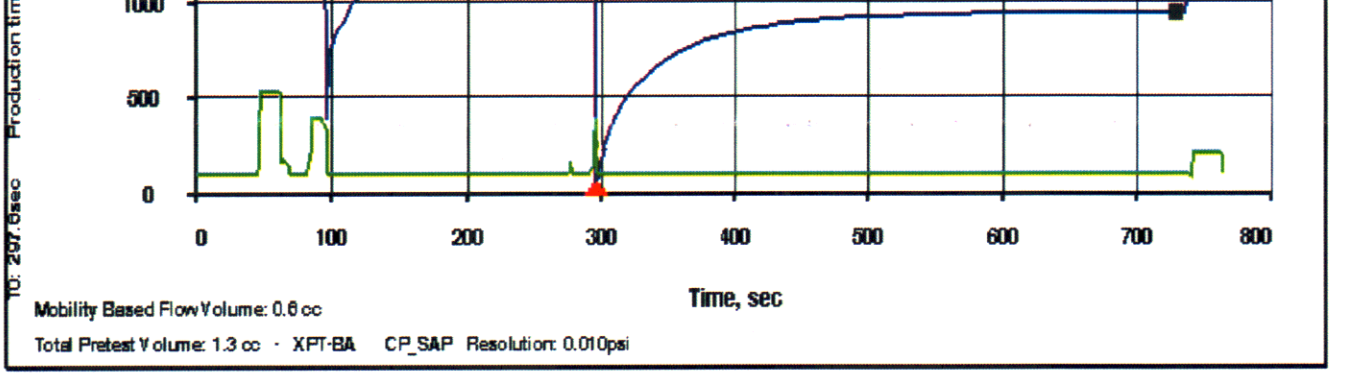
Pretest Volume: 0.3 cc · XPT-BA CP_SAP Resolution: 0.010psi + Spherical Derivative ■ Radial Derivative

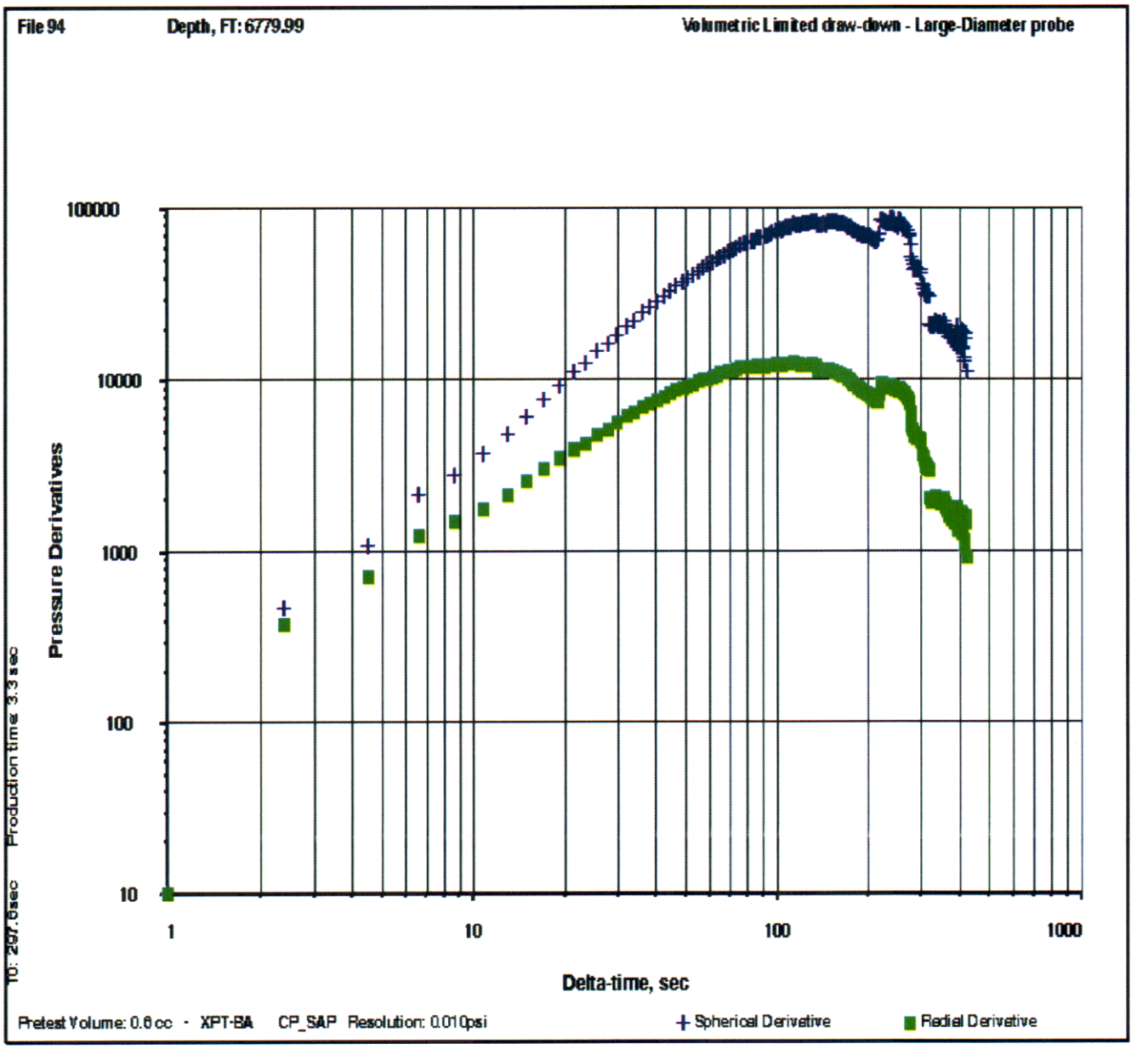
File 94 Depth, FT: 6779.99 Volumetric Limited draw-down - Large-Diameter probe

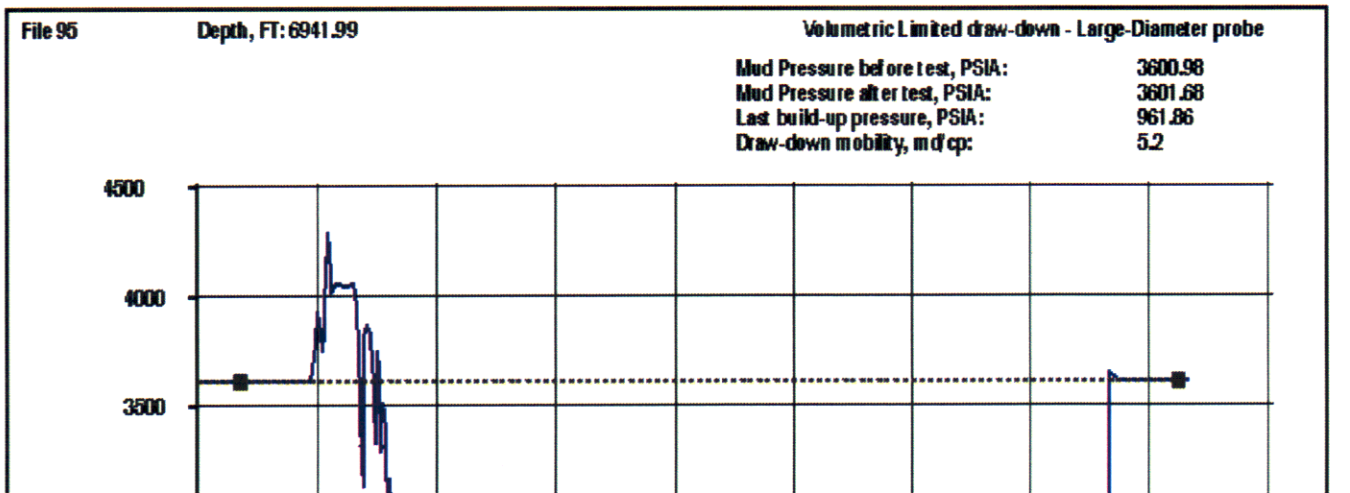
Mud Pressure before test, PSIA:	3517.12
Mud Pressure after test, PSIA:	3516.5
Last build-up pressure, PSIA:	940.68
Draw-down mobility, md/cp:	0.04

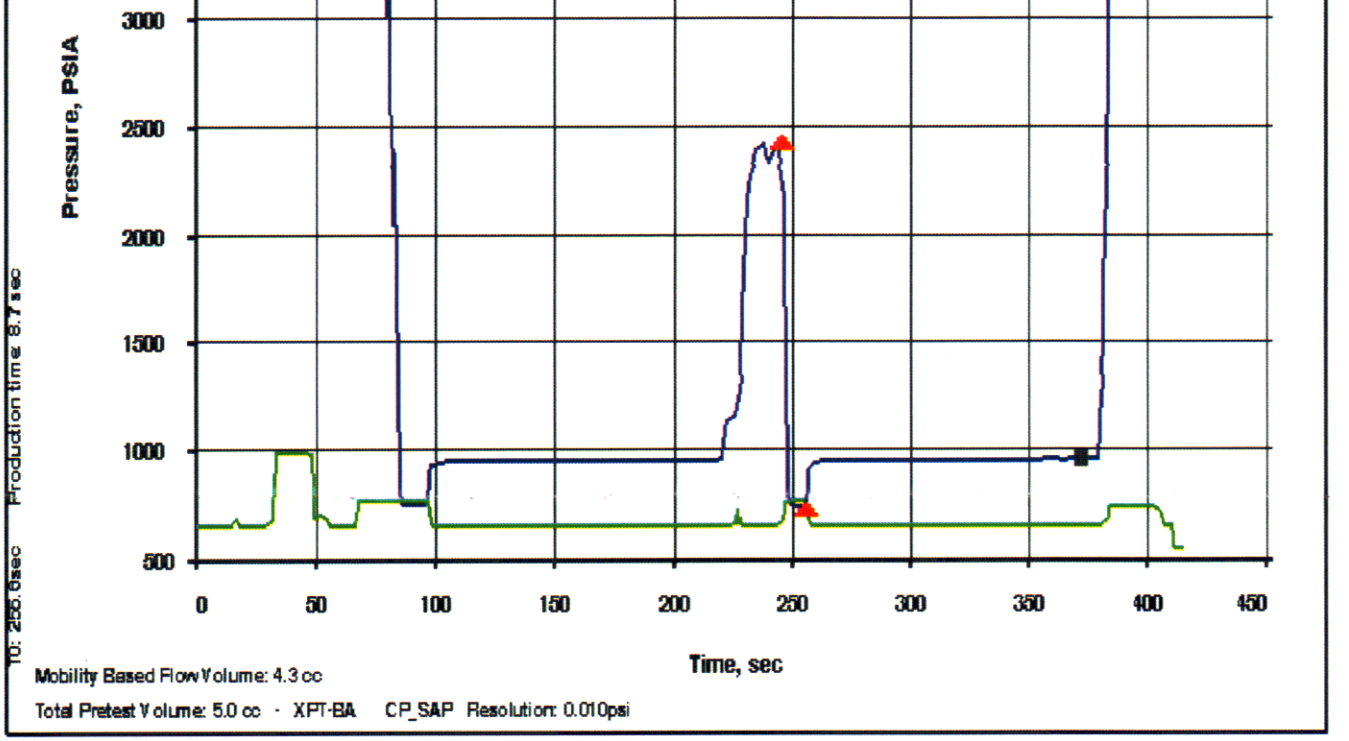


RECD OCT 14 2011

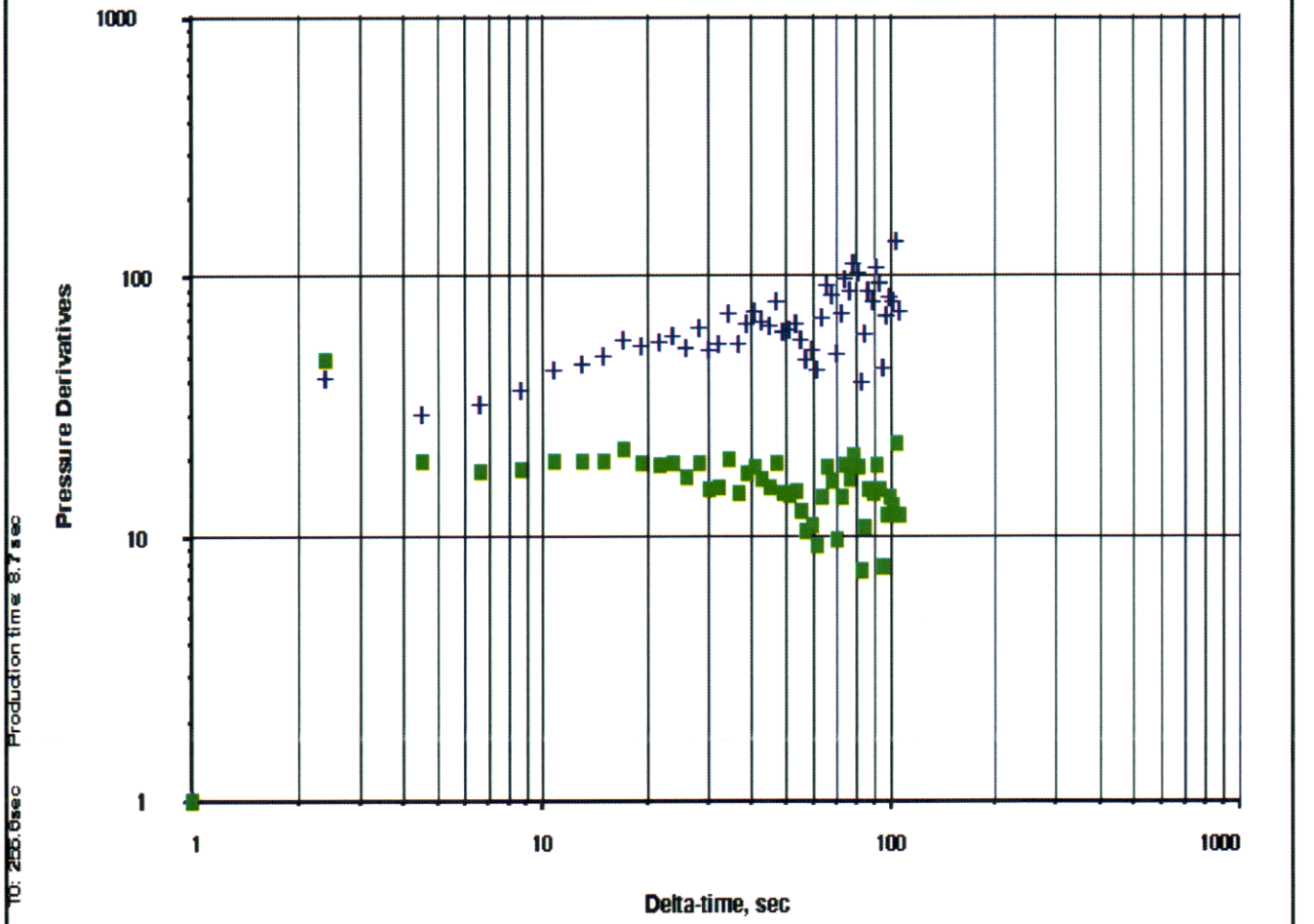

1000
500
0
0
100
200
300
400
500
600
700
800
Time, sec
Production time: 297.6sec
Mobility Based Flow Volume: 0.6 cc
Total Pretest Volume: 1.3 cc · XPT-BA CP_SAP Resolution: 0.010psi


File 94
Depth, FT: 6779.99
Volumetric Limited draw-down - Large-Diameter probe
100000
10000
1000
100
10
Pressure Derivatives
1
10
100
1000
Delta-time, sec
Production time: 297.6sec
Pretest Volume: 0.6 cc · XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative


File 95
Depth, FT: 6941.99
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 3600.98
Mud Pressure after test, PSIA: 3601.68
Last build-up pressure, PSIA: 961.86
Draw-down mobility, md/cp: 5.2
4500
4000
3500



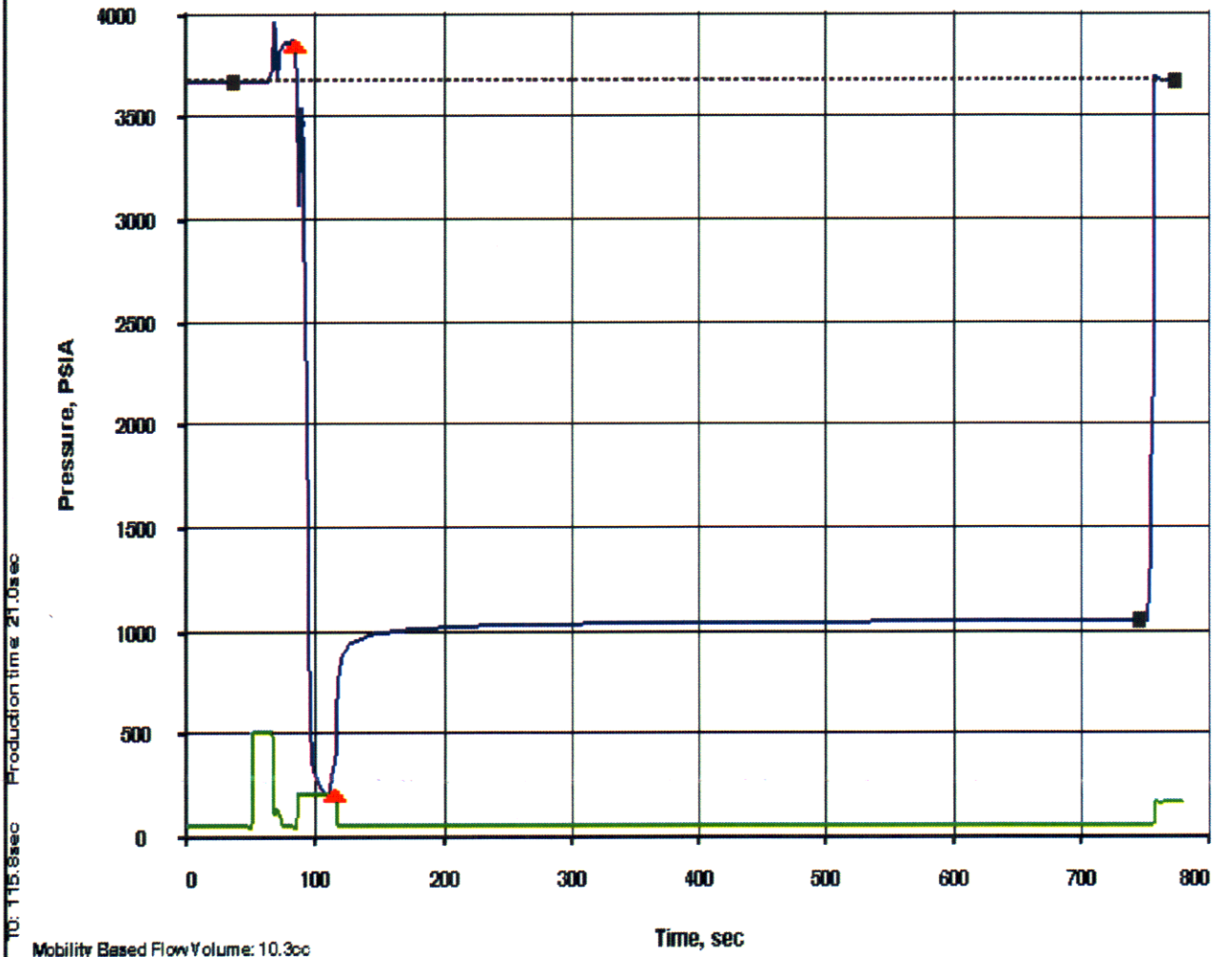
File 95 Depth, FT: 6941.99 Volumetric Limited draw-down - Large-Diameter probe



File 96 Depth, FT: 7062.01 Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	3663.37
Mud Pressure after test, PSIA:	3662.71
Last build-up pressure, PSIA:	1055

Draw-down mobility, md/cp: 0.9



Mobility Based Flow Volume: 10.3cc

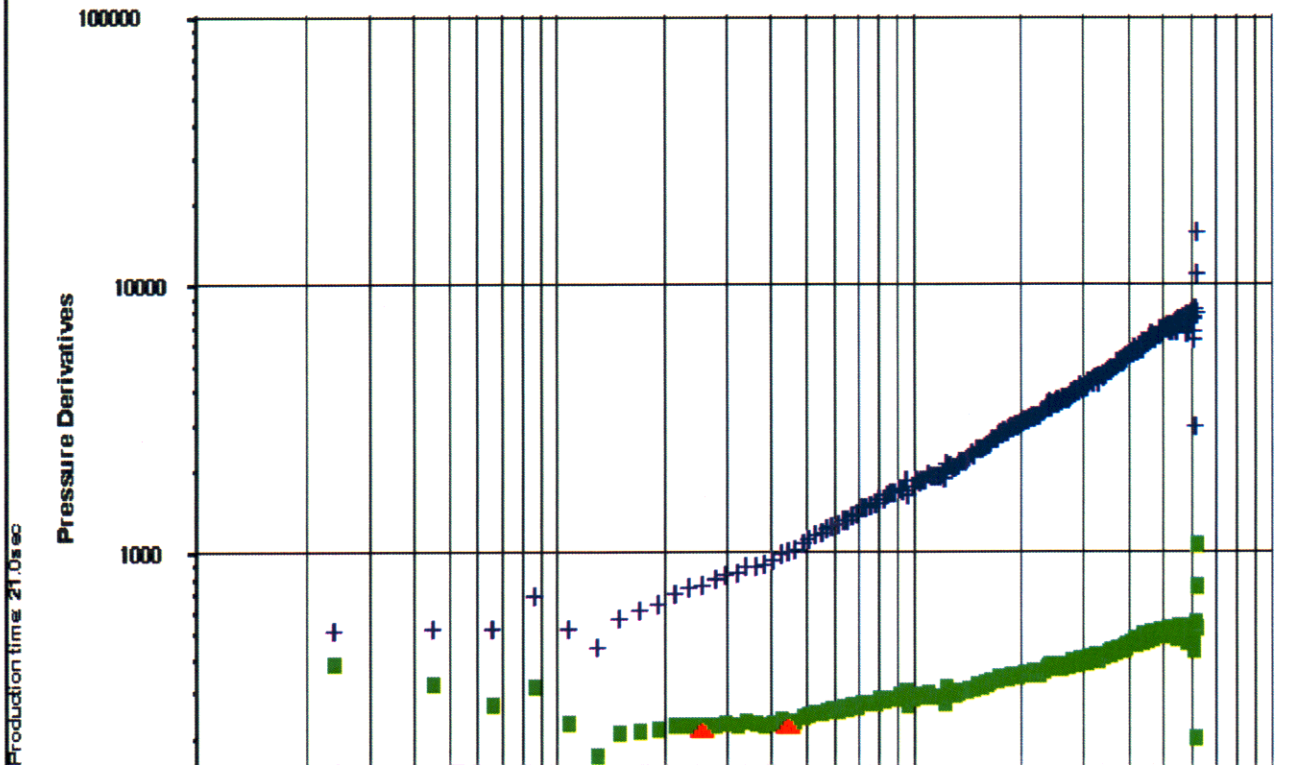
Total Pretest Volume: 15.0cc · XPT-BA CP_SAP Resolution: 0.010psi

File 96 Depth, FT: 7062.01 Volumetric Limited draw-down - Large-Diameter probe

From picks on Radial derivative:

Slope on Spherical: 0.479

Slope on Radial 0.053



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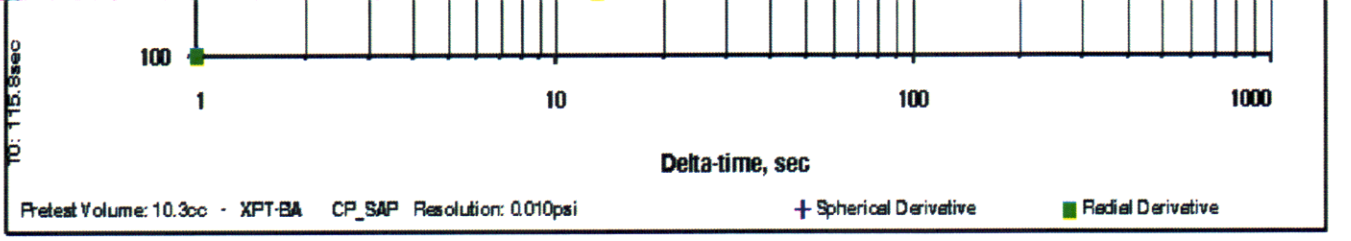
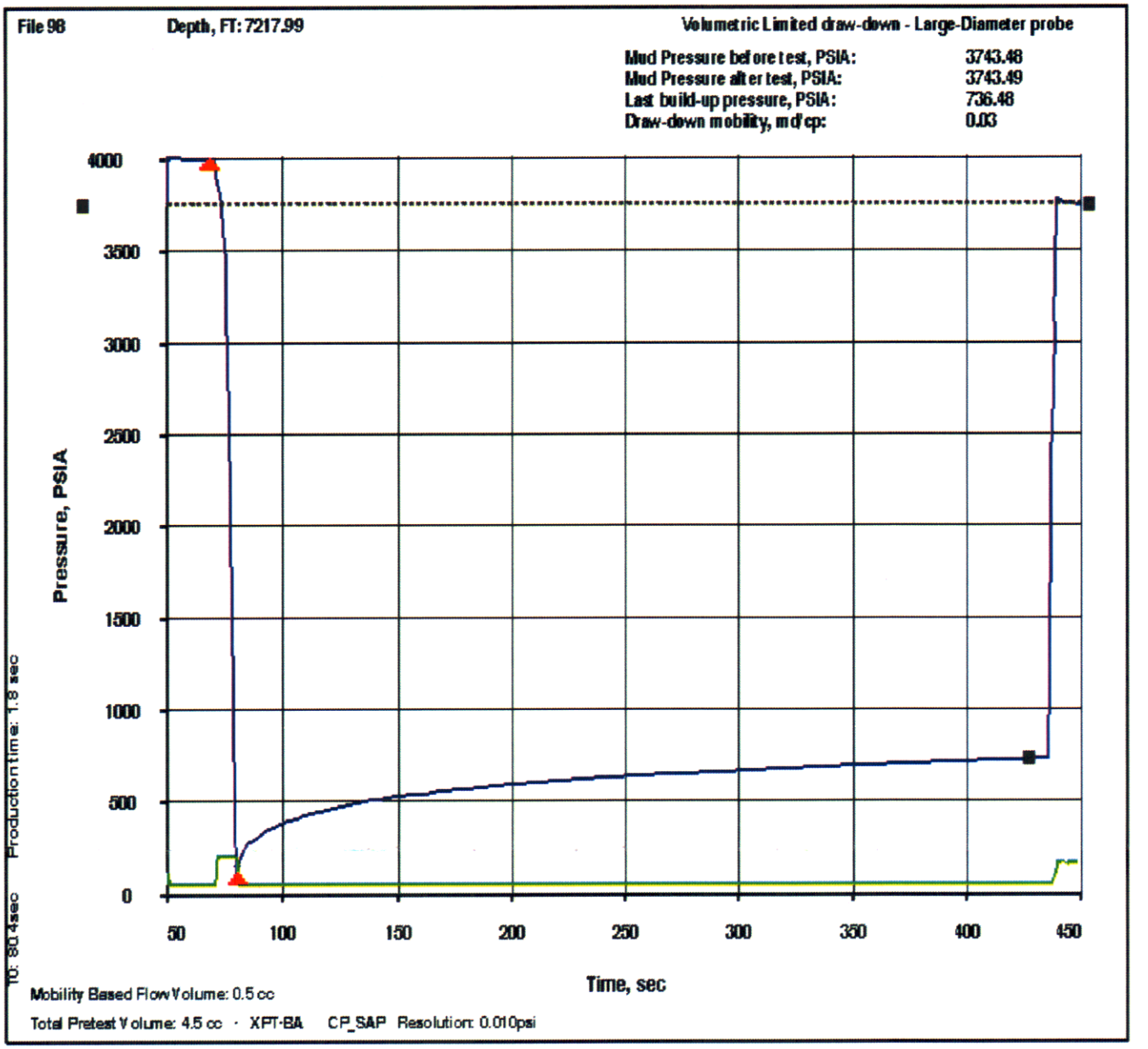
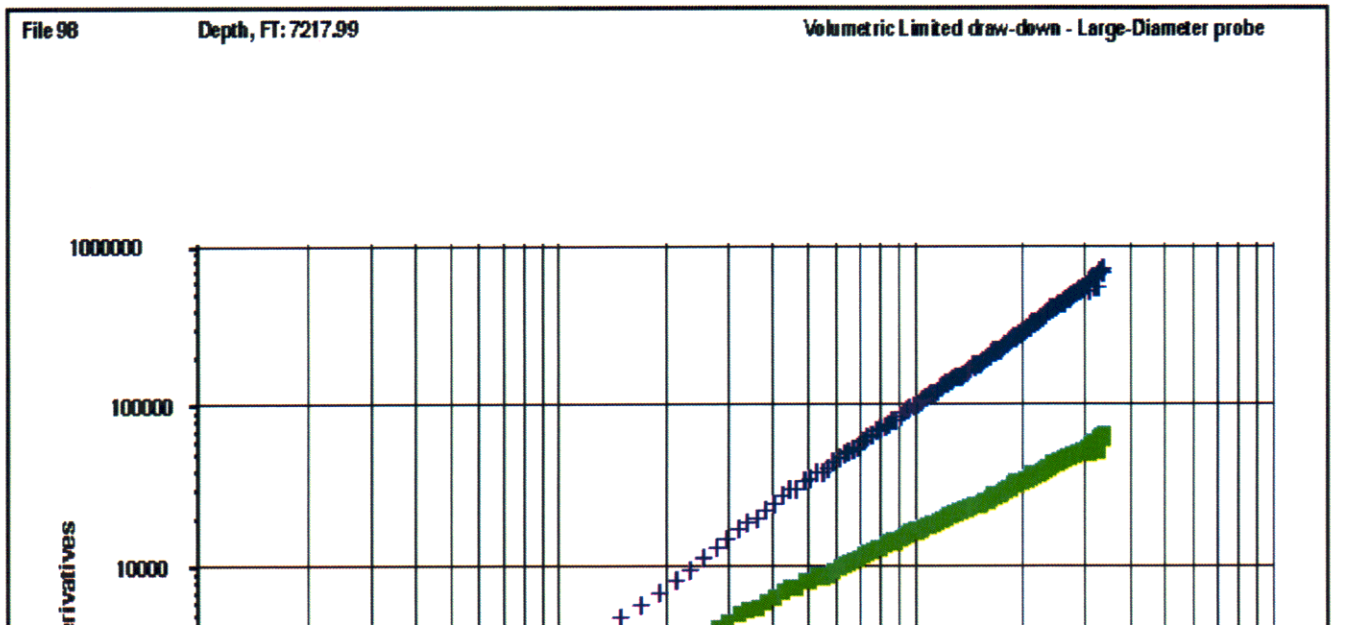
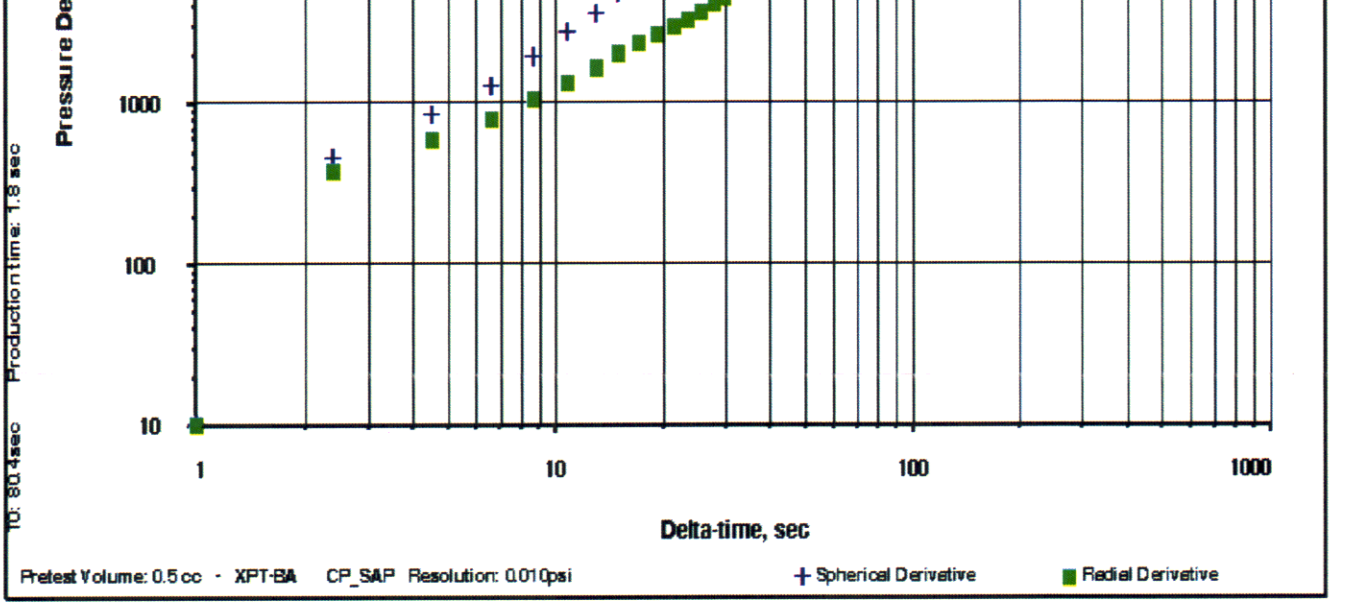
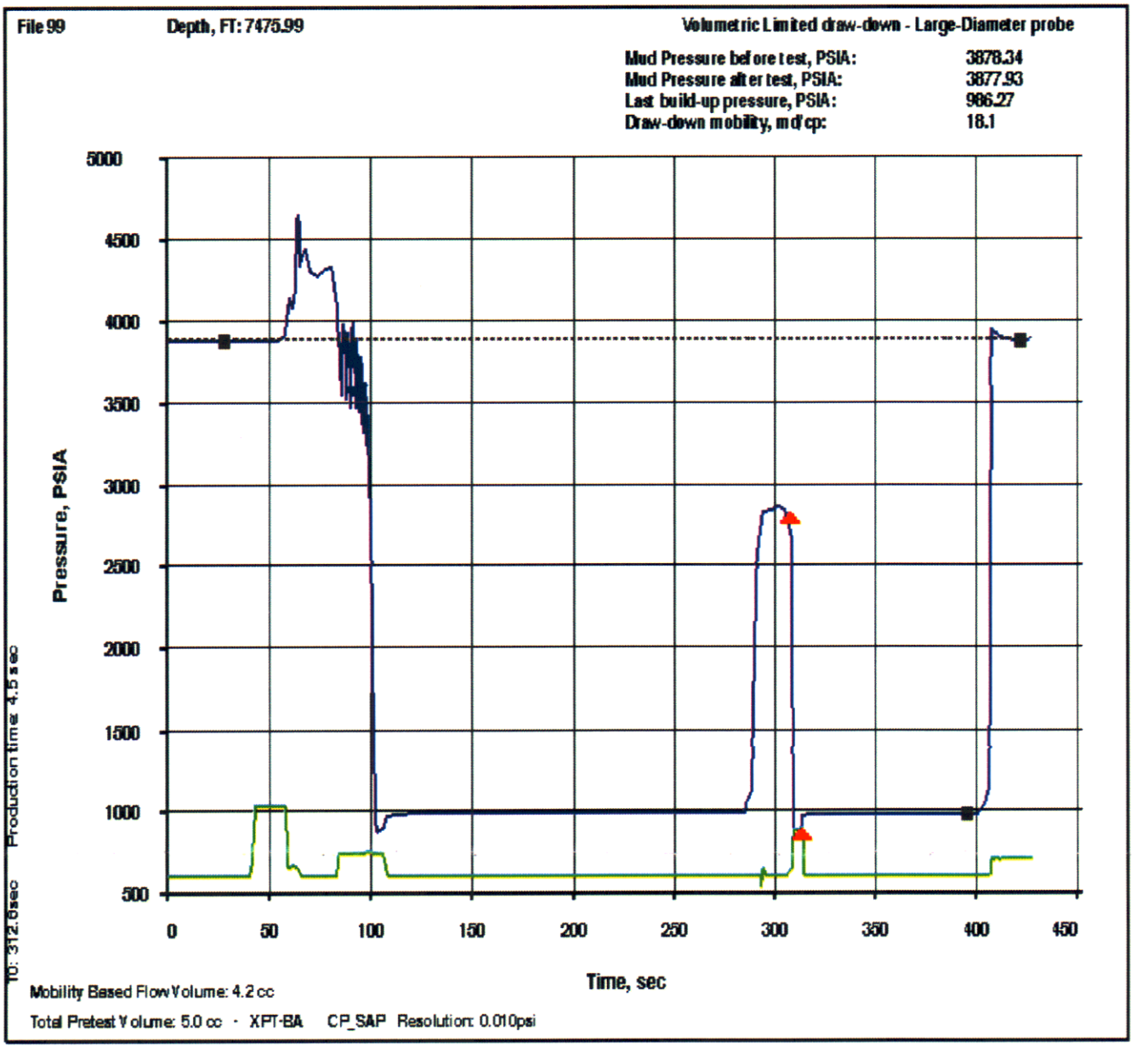
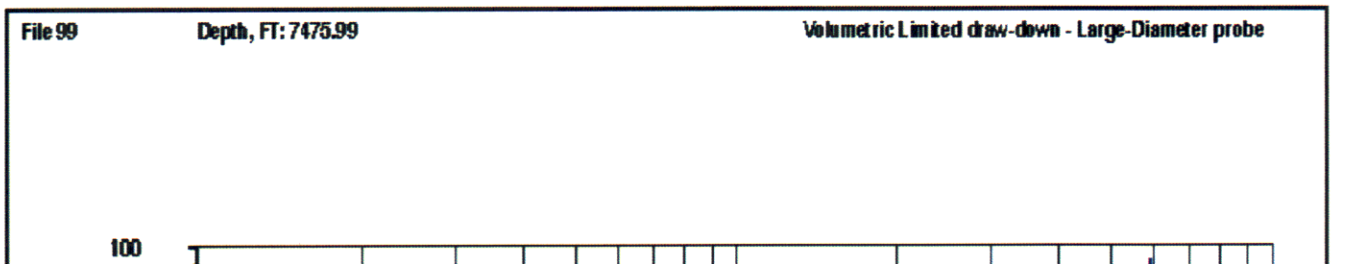

100
1
10
100
1000
Delta-time, sec
10: 115.8sec
Pretest Volume: 10.3cc · XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative


File 98
Depth, FT: 7217.99
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 3743.48
Mud Pressure after test, PSIA: 3743.49
Last build-up pressure, PSIA: 736.48
Draw-down mobility, md/cp: 0.03
4000
3500
3000
2500
2000
1500
1000
500
0
Pressure, PSIA
50
100
150
200
250
300
350
400
450
Time, sec
10: 80.4sec Production time: 1.8 sec
Mobility Based Flow Volume: 0.5 cc
Total Pretest Volume: 4.5 cc · XPT-BA CP_SAP Resolution: 0.010psi


File 98
Depth, FT: 7217.99
Volumetric Limited draw-down - Large-Diameter probe
1000000
100000
10000
Derivatives







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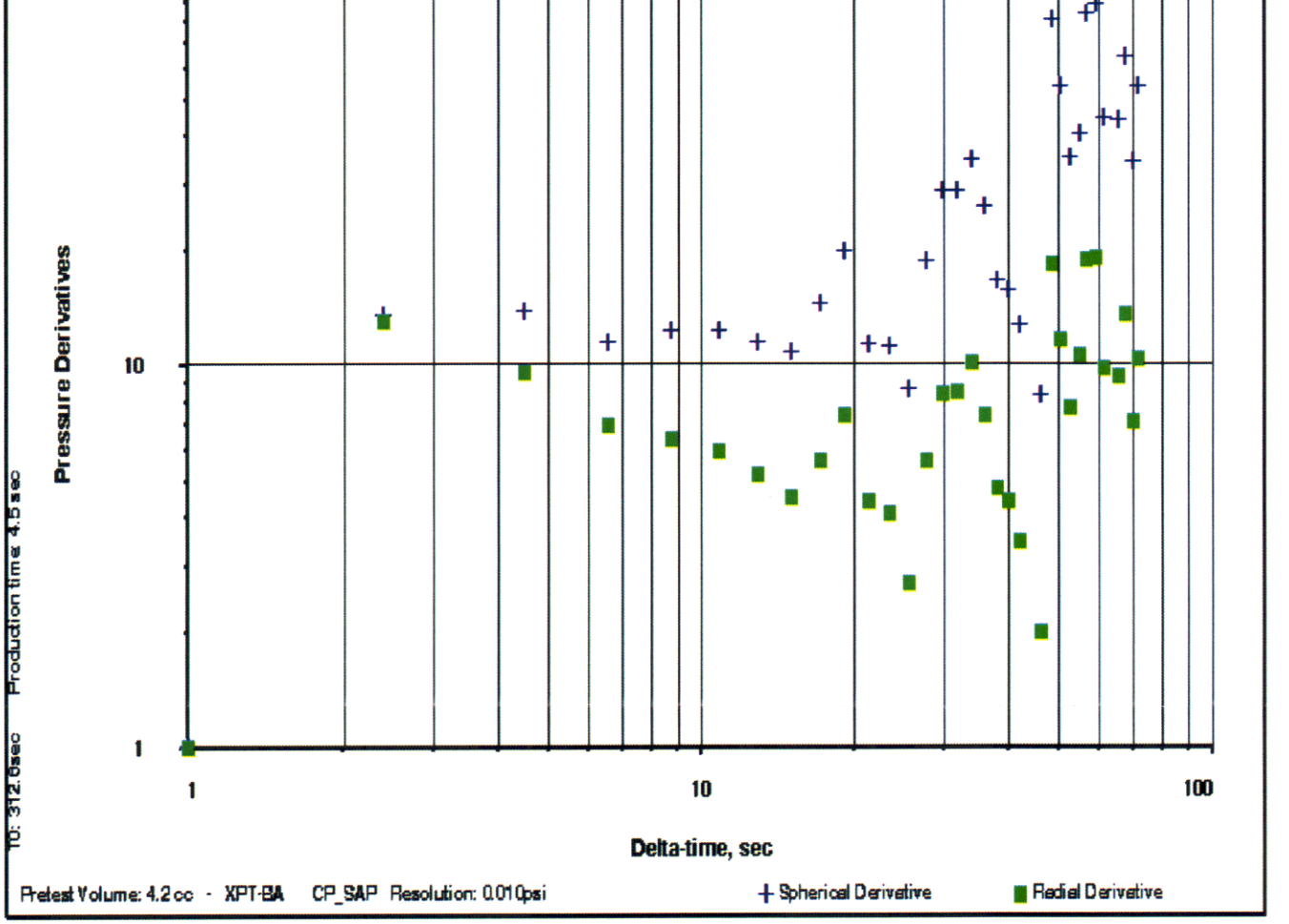
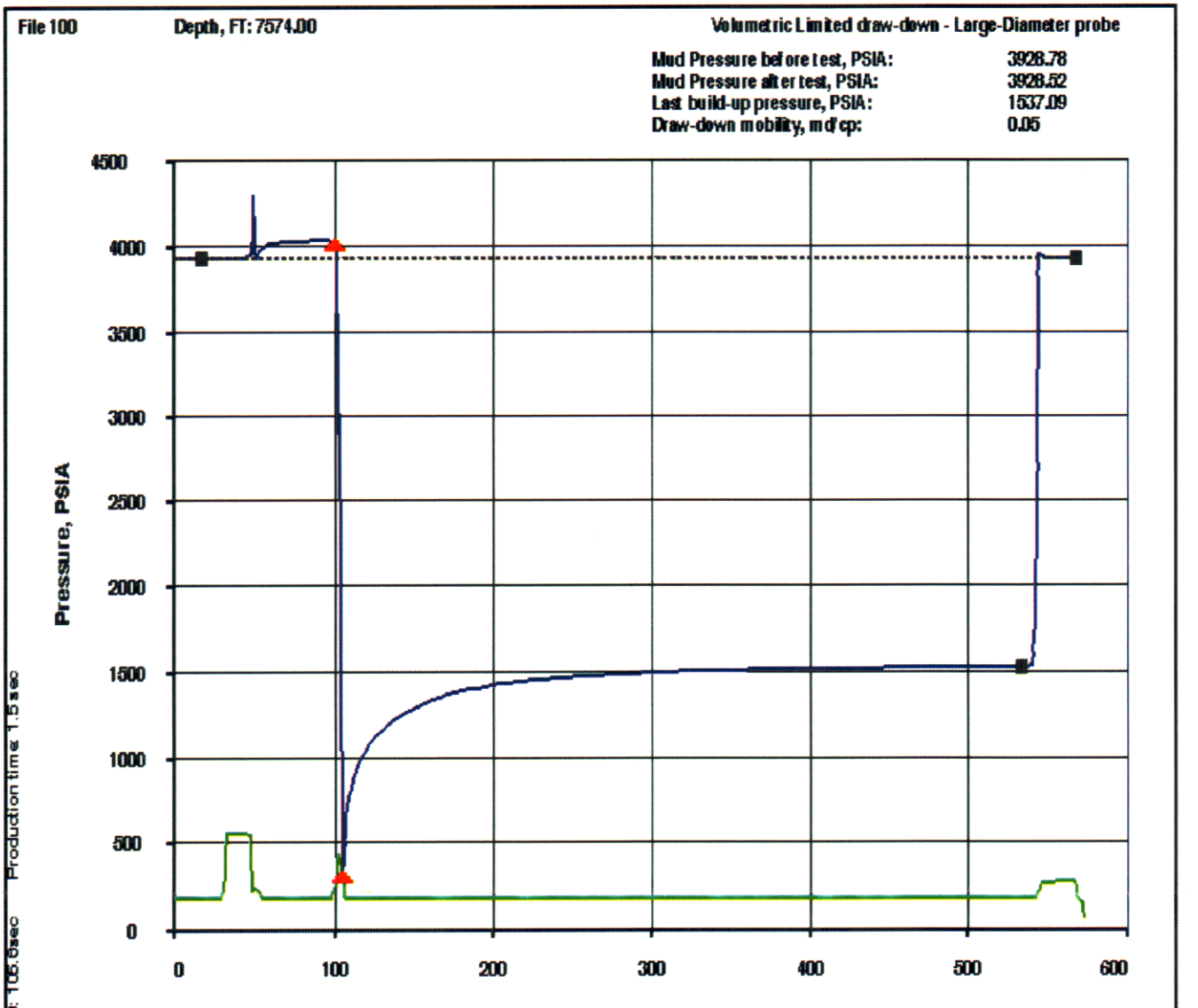

Pressure Derivatives
10
1
1
10
100
Delta-time, sec
10: 312.5sec Production time: 4.5sec
Pretest Volume: 4.2cc - XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative


File 100
Depth, FT: 7574.00
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 3928.78
Mud Pressure after test, PSIA: 3928.52
Last build-up pressure, PSIA: 1537.09
Draw-down mobility, md/cp: 0.05
Pressure, PSIA
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
Production time: 1.5sec

Mobility Based Flow Volume: 0.8 cc

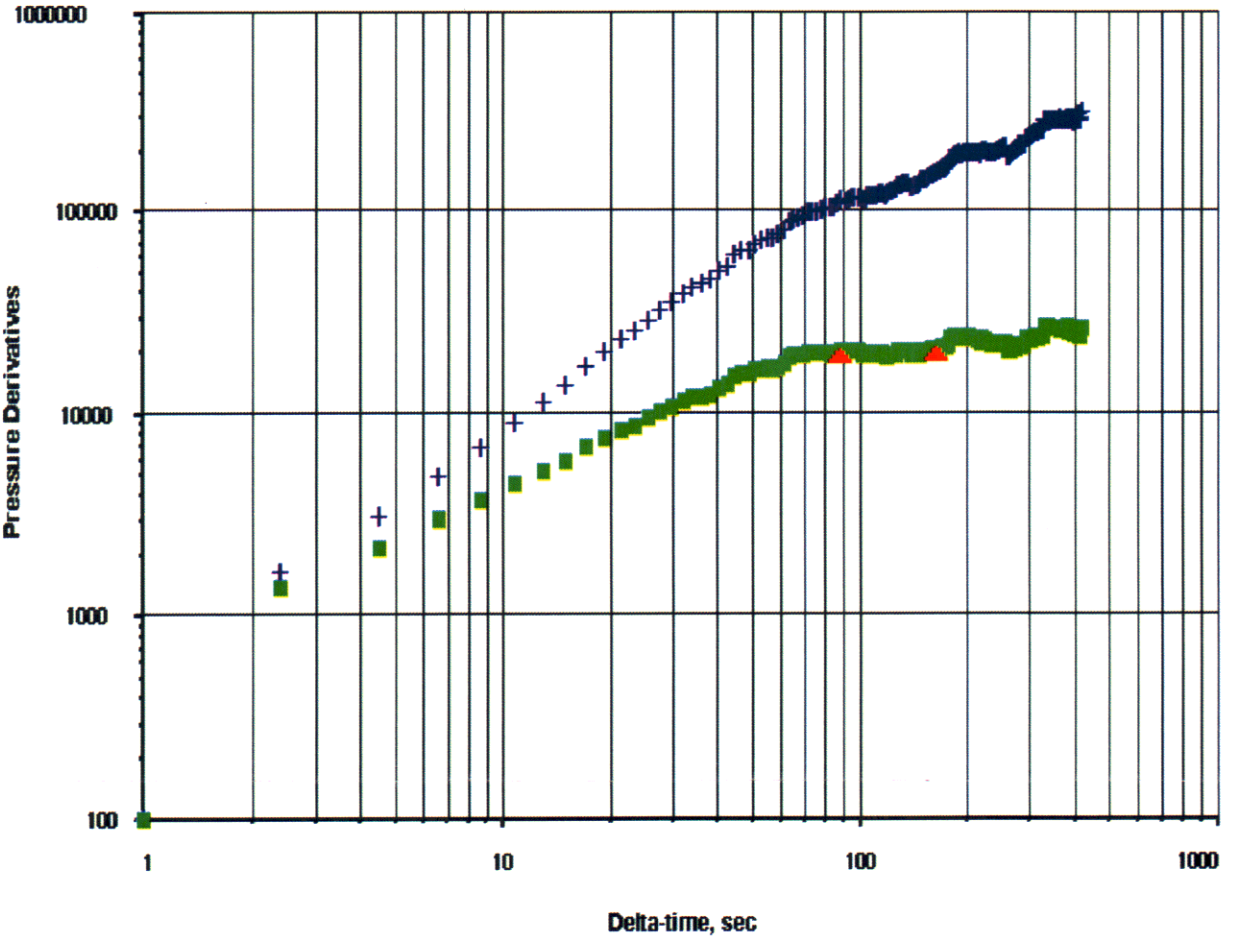
Time, sec

Total Pretest Volume: 4.0 cc · XPT-BA CP_SAP Resolution: 0.010psi

File 100 Depth, FT: 7574.00 Volumetric Limited draw-down - Large-Diameter probe

From picks on Radial derivative:

Slope on Spherical:	0.519
Slope on Radial	0.02



Production time: 1.5 sec

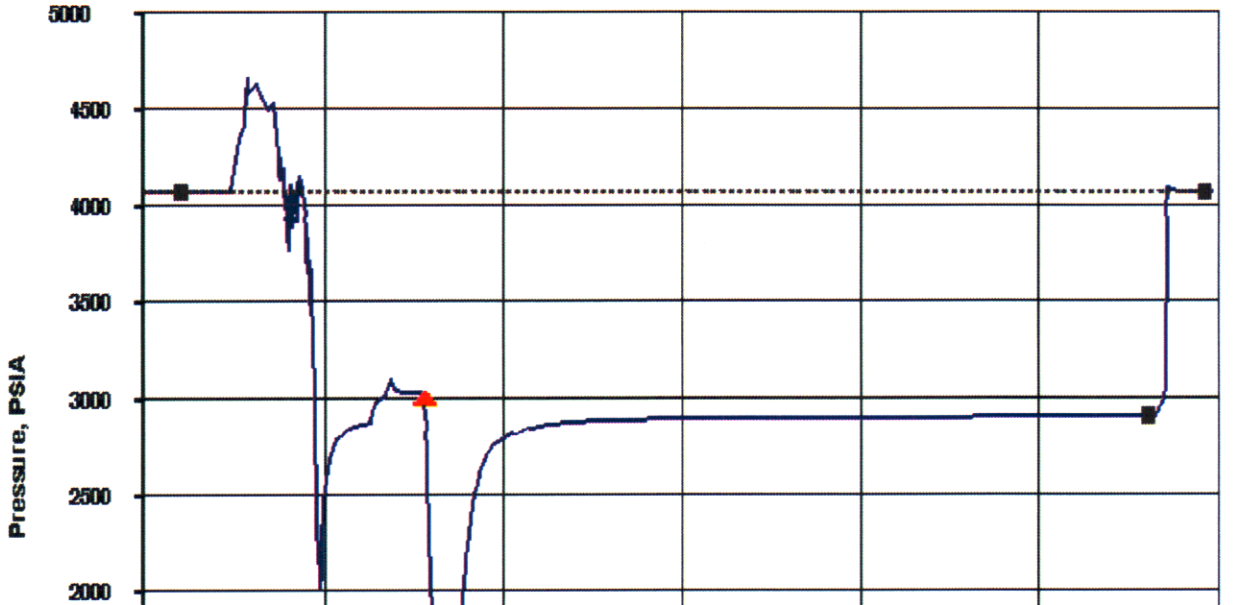
10: 105.6sec

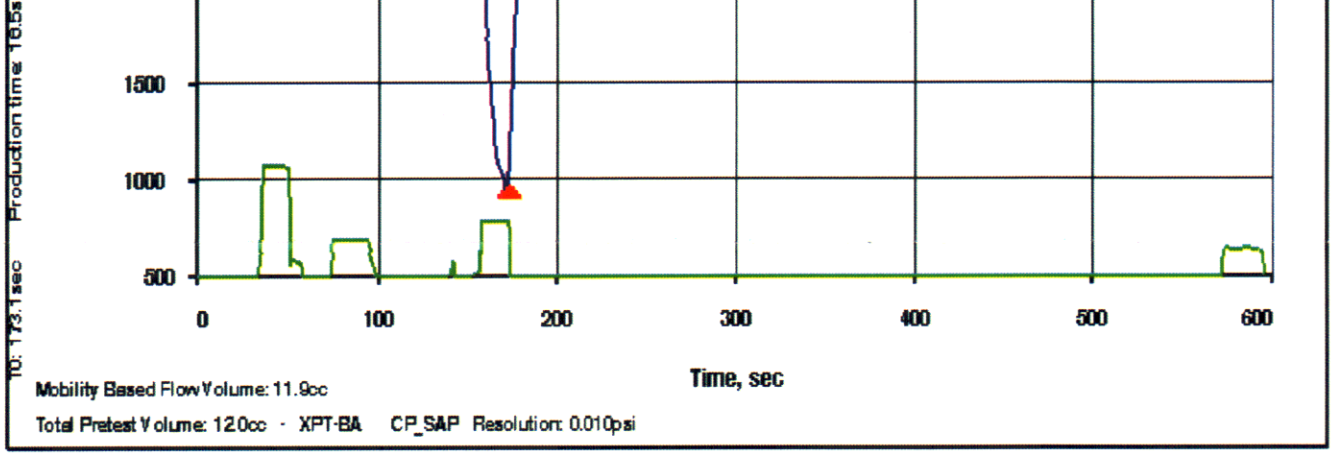
Pretest Volume: 0.8 cc · XPT-BA CP_SAP Resolution: 0.010psi

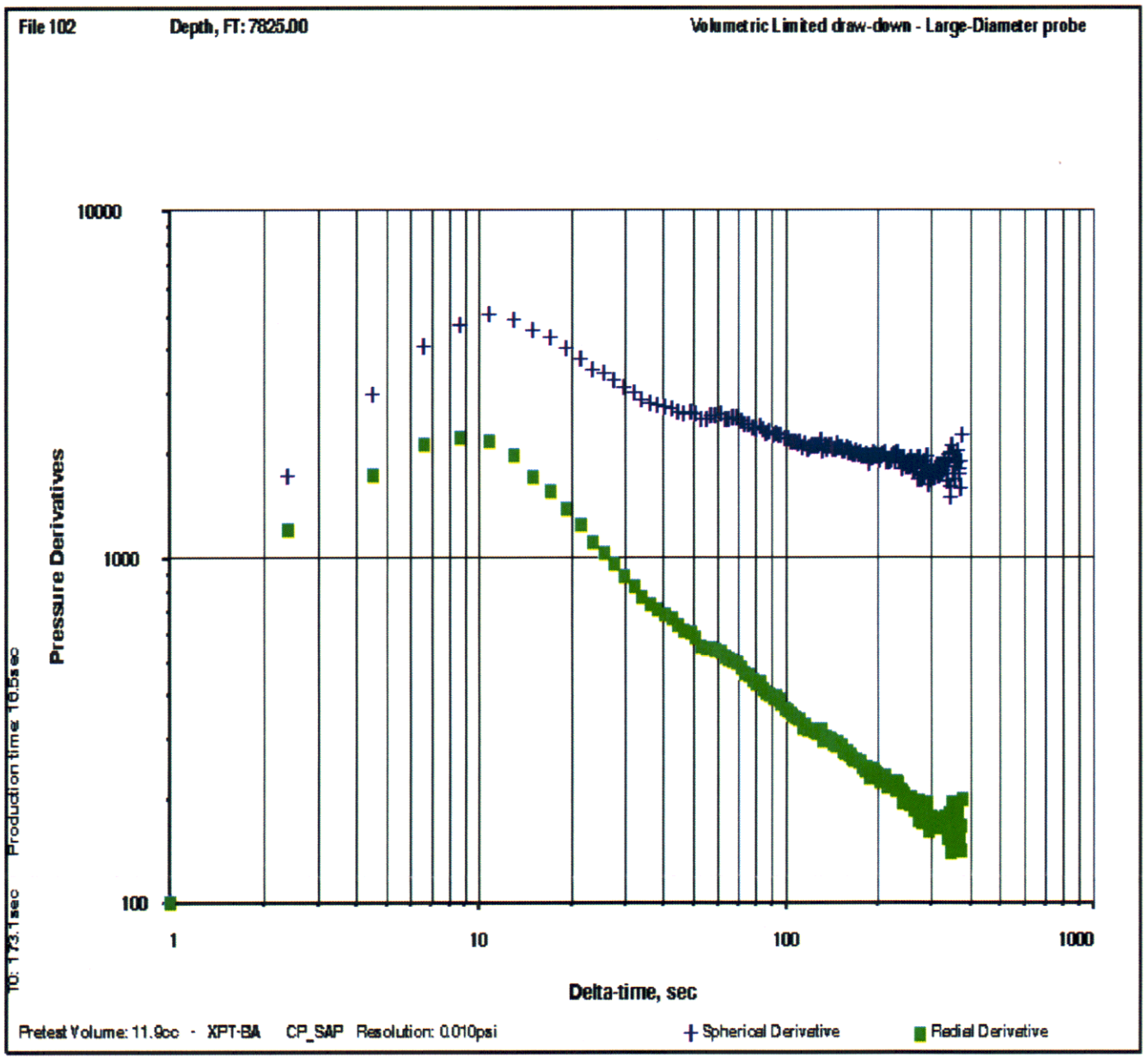
+ Spherical Derivative ■ Radial Derivative

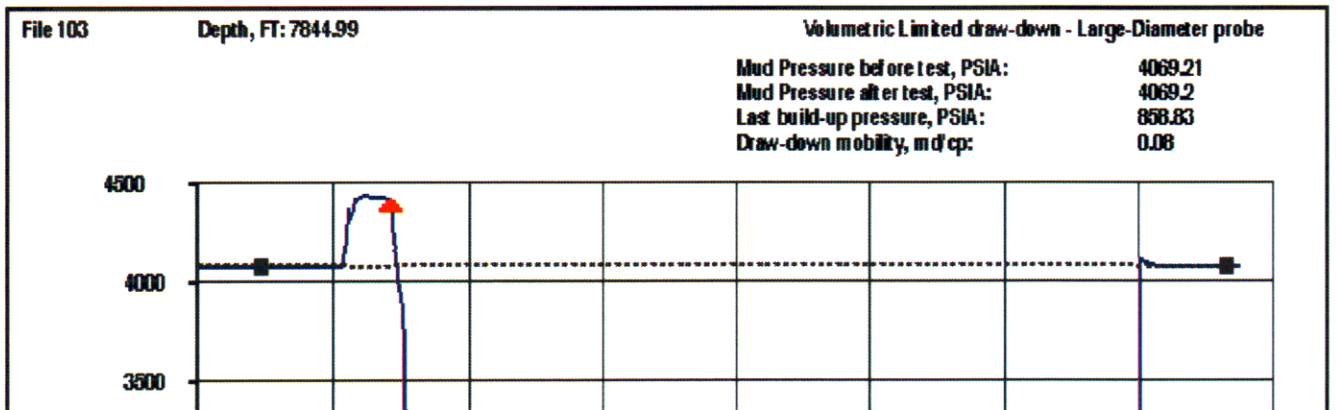
File 102 Depth, FT: 7825.00 Volumetric Limited draw-down - Large-Diameter probe

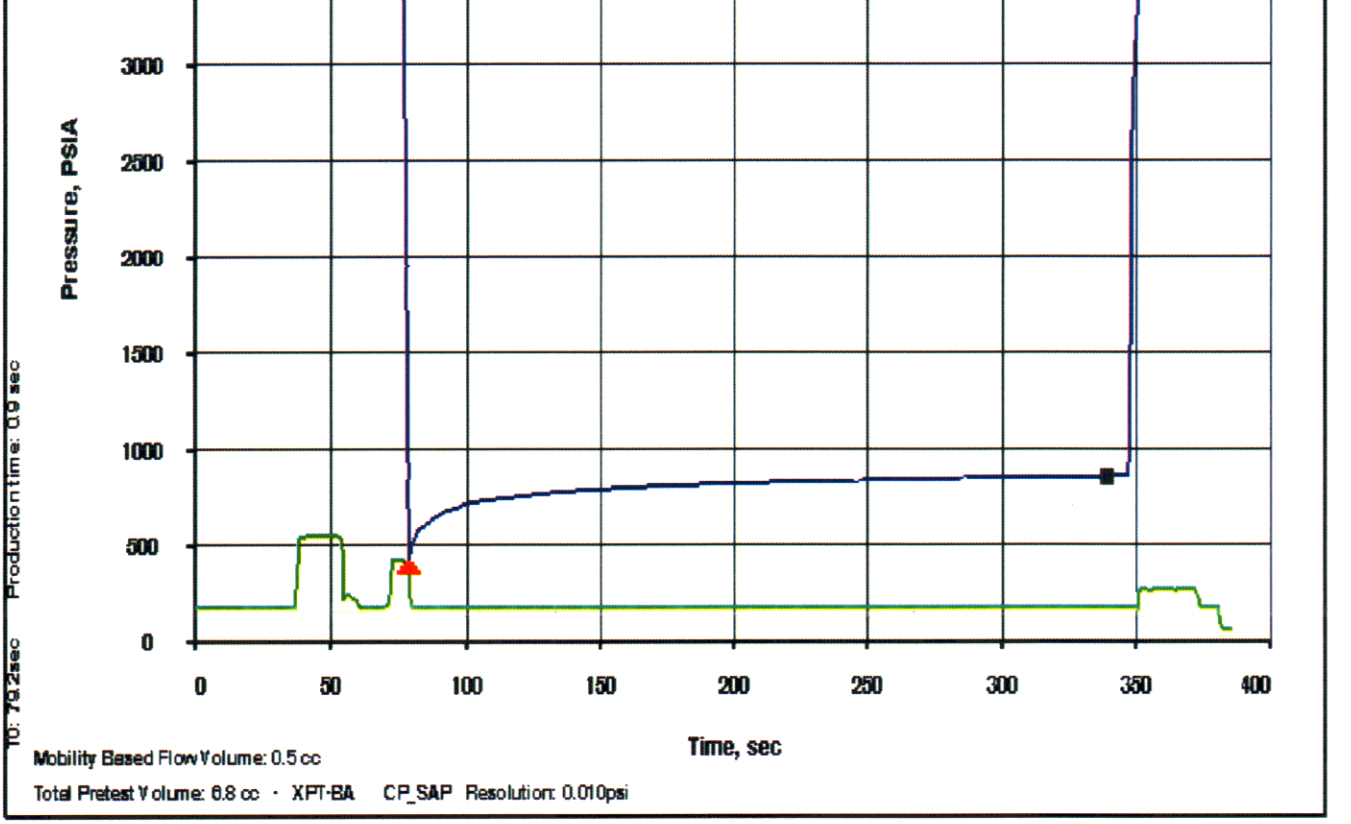
Mud Pressure before test, PSIA:	4059.39
Mud Pressure after test, PSIA:	4059.02
Last build-up pressure, PSIA:	2902.74
Draw-down mobility, md/cp:	0.7

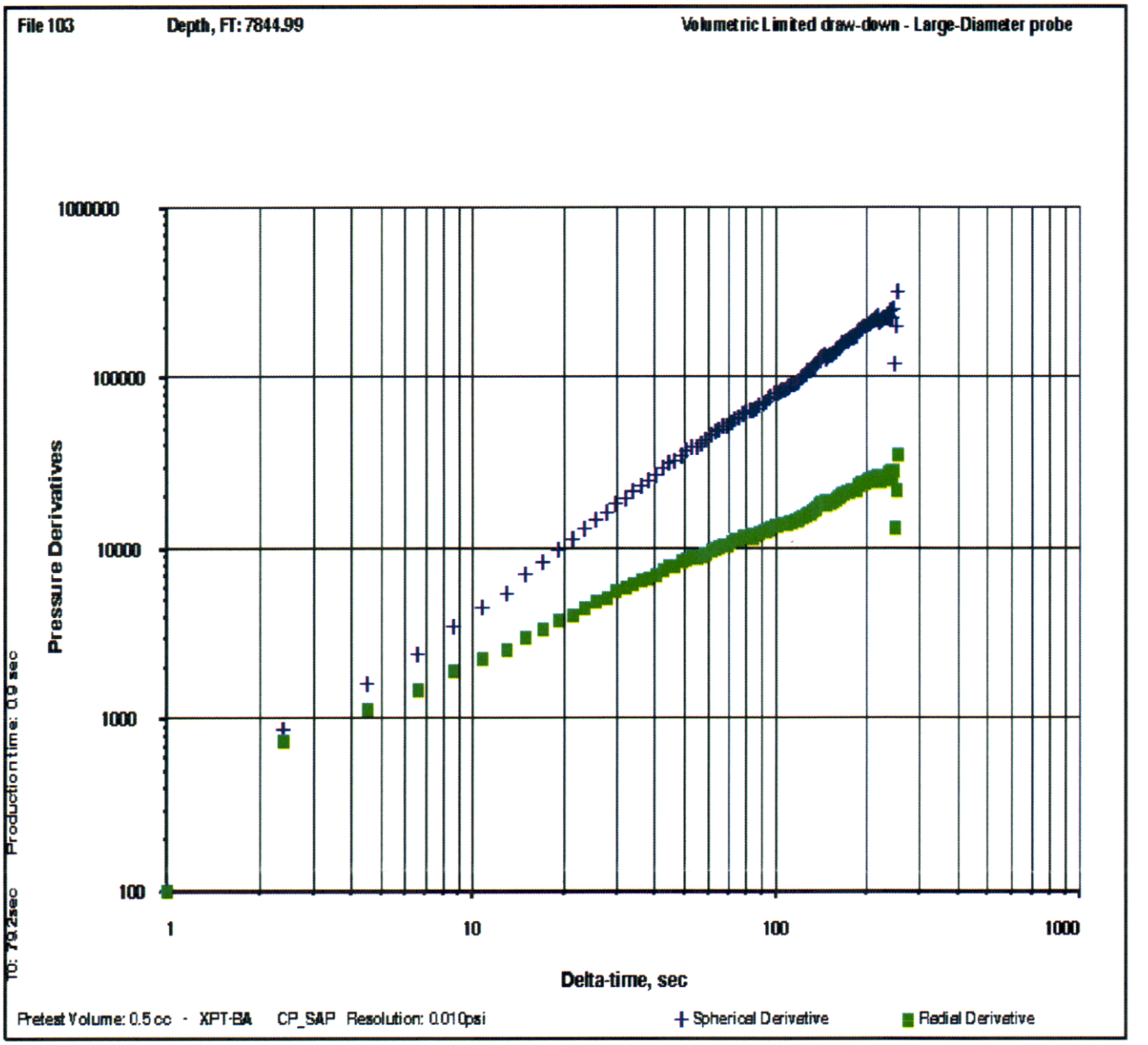



1500
1000
500
0
100
200
300
400
500
600
Time, sec
Mobility Based Flow Volume: 11.9cc
Total Pretest Volume: 12.0cc - XPT-BA CP_SAP Resolution: 0.010psi


File 102
Depth, FT: 7825.00
Volumetric Limited draw-down - Large-Diameter probe
10000
1000
100
Pressure Derivatives
1
10
100
1000
Delta-time, sec
Pretest Volume: 11.9cc - XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative

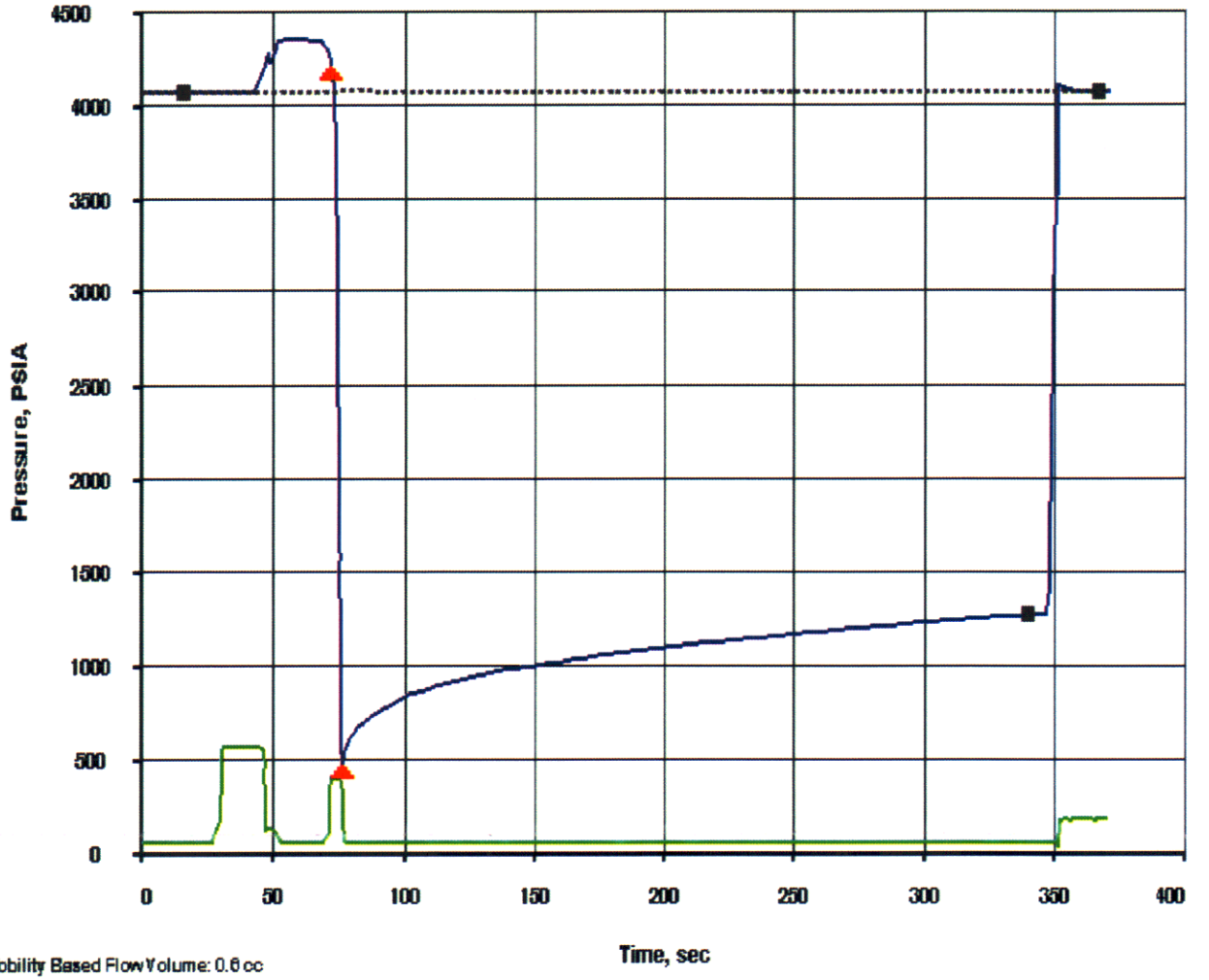

File 103
Depth, FT: 7844.99
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 4069.21
Mud Pressure after test, PSIA: 4069.2
Last build-up pressure, PSIA: 858.83
Draw-down mobility, md/cp: 0.08
4500
4000
3500


Pressure, PSIA
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
350
400
Time, sec
Mobility Based Flow Volume: 0.5 cc
Total Pretest Volume: 6.8 cc · XPT-BA CP_SAP Resolution: 0.010psi
Production time: 0.9 sec
T0: 79.2sec


File 103
Depth, FT: 7844.99
Volumetric Limited draw-down - Large-Diameter probe
Pressure Derivatives
1000000
100000
10000
1000
100
1
10
100
1000
Delta-time, sec
Pretest Volume: 0.5 cc · XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative
Production time: 0.9 sec
T0: 79.2sec

File 105
Depth, FT: 7844.02
Volumetric Limited draw-down - Large-Diameter probe

Mud Pressure before test, PSIA:	4068.66
Mud Pressure after test, PSIA:	4068.48
Last build-up pressure, PSIA:	1272.2
Draw-down mobility, md/cp:	0.03

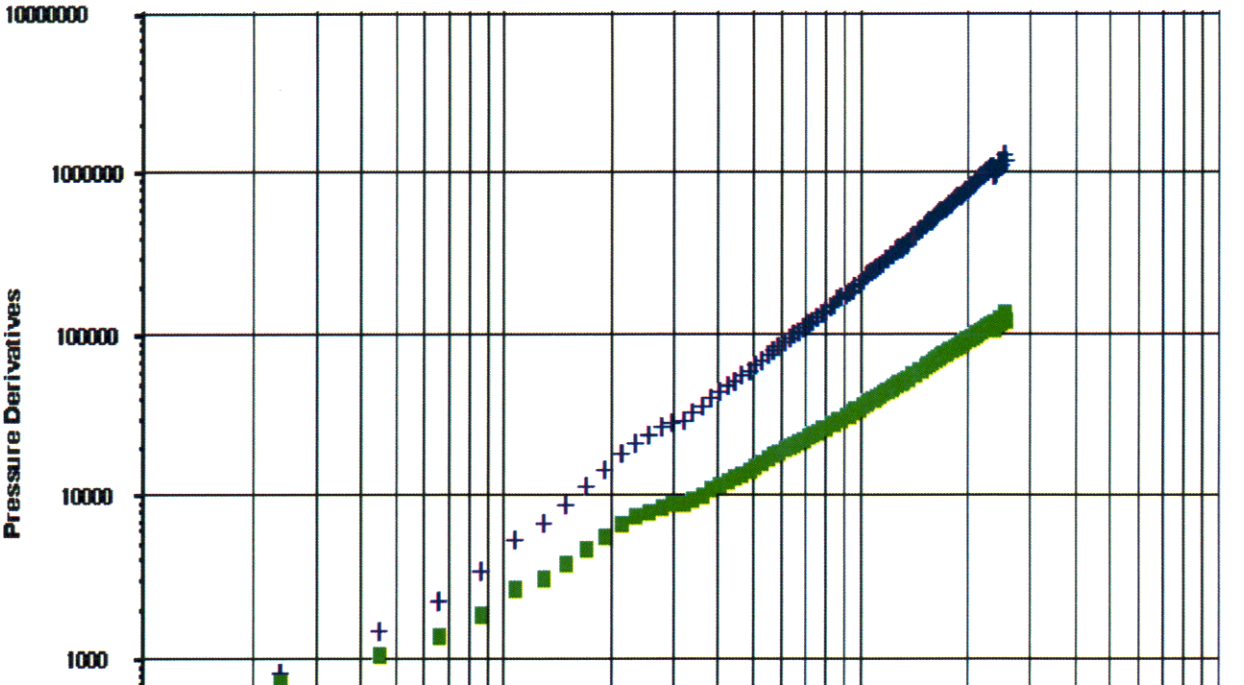


T0: 76.5sec Production time: 1.2 sec

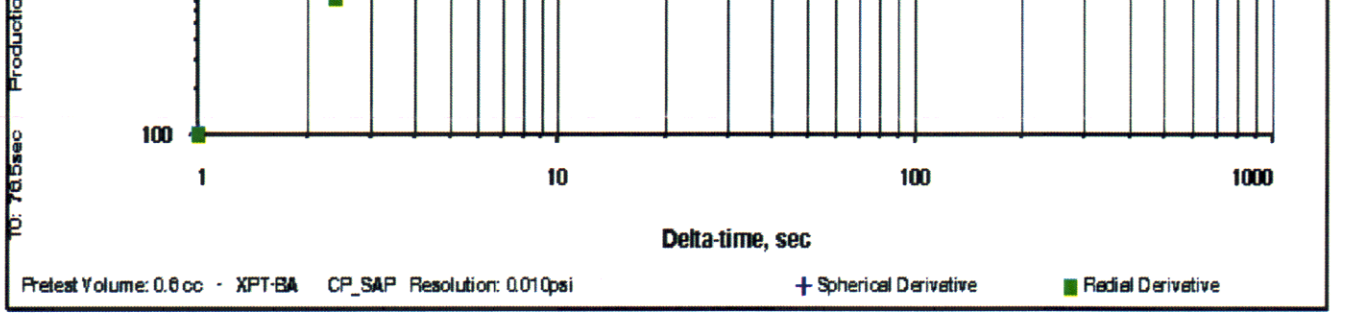
Mobility Based Flow Volume: 0.6 cc

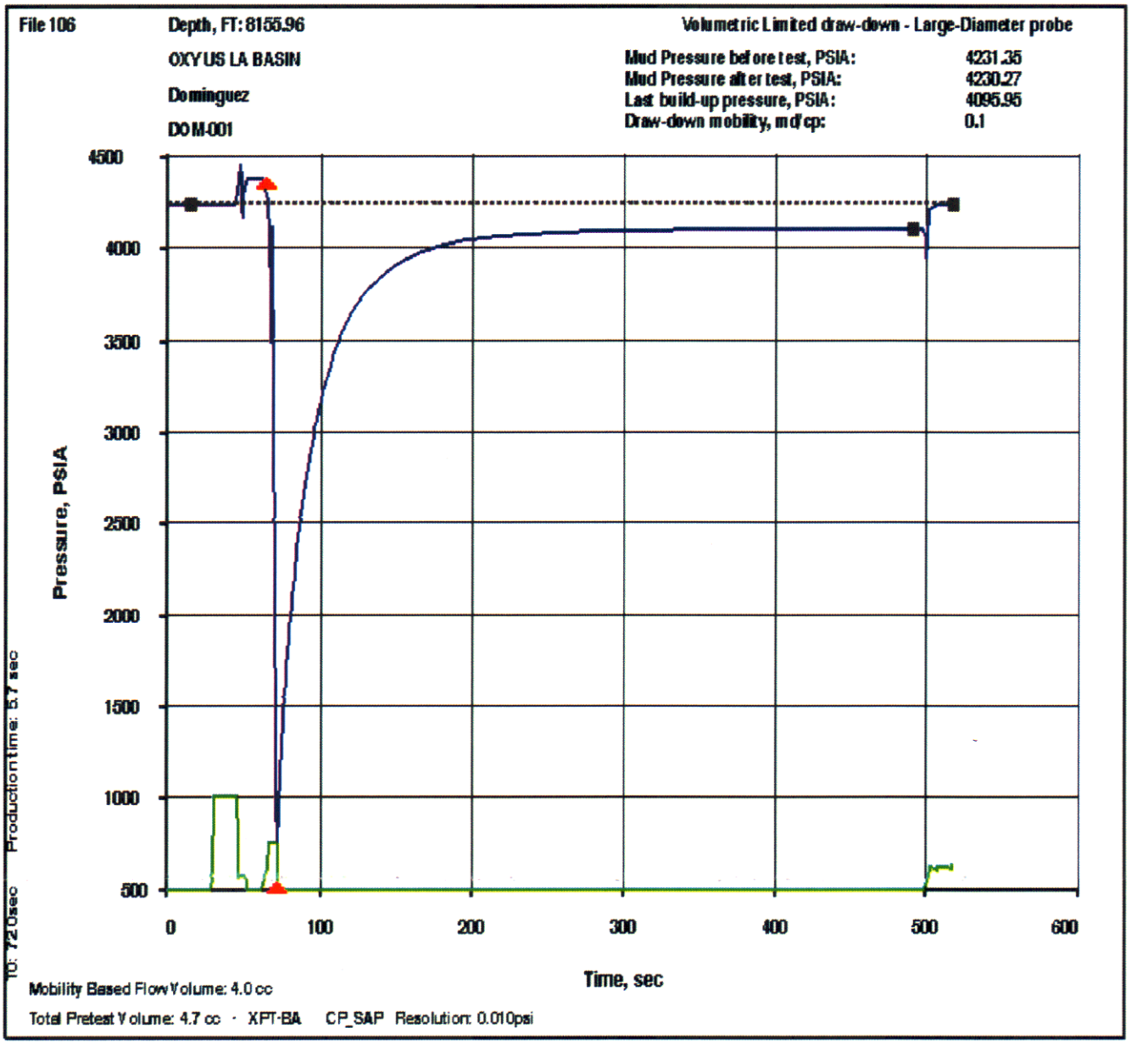
Total Pretest Volume: 4.9 cc · XPT-BA CP_SAP Resolution: 0.010psi

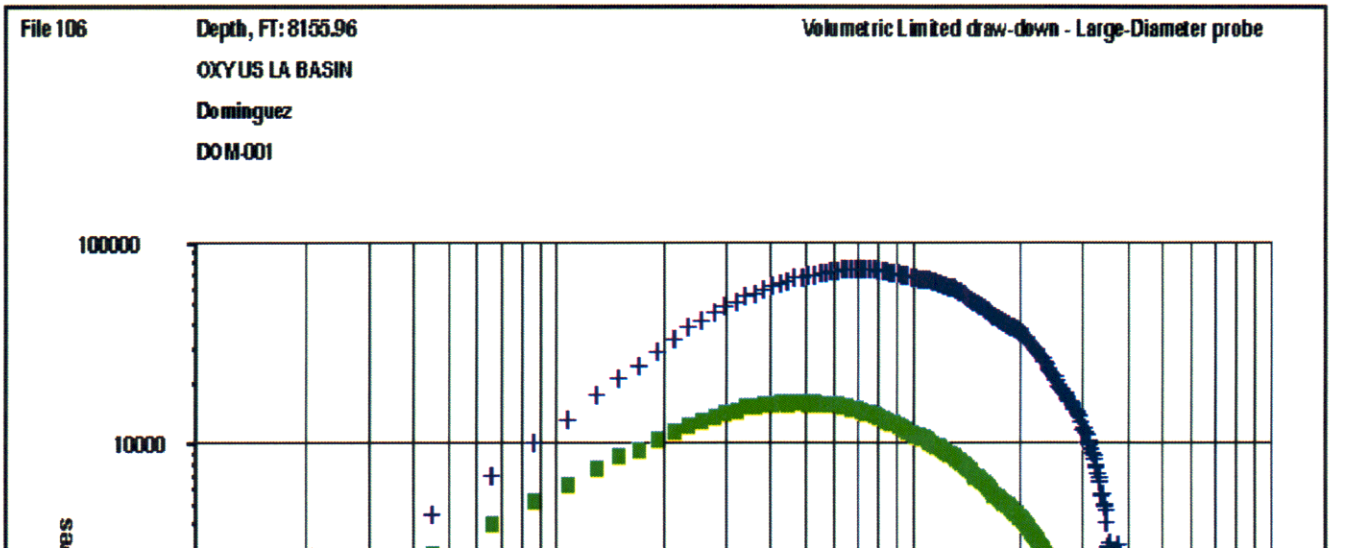
File 105 Depth, FT: 7844.02 Volumetric Limited draw-down - Large-Diameter probe

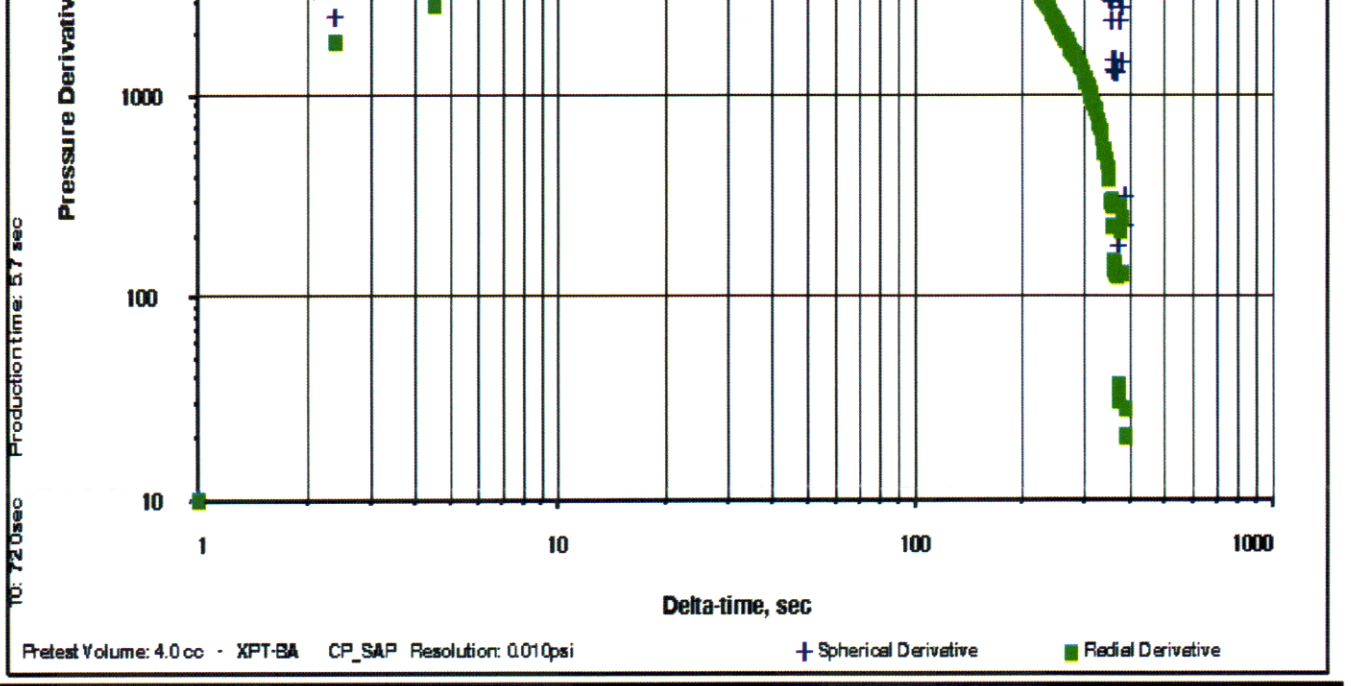


T0: 76.5sec Production time: 1.2 sec


100
1
10
100
1000
Delta-time, sec
Pretest Volume: 0.6 cc · XPT-BA CP_SAP Resolution: 0.010psi
Spherical Derivative
Radial Derivative


File 106
Depth, FT: 8155.96
OXYUS LA BASIN
Dominguez
DOM-001
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 4231.35
Mud Pressure after test, PSIA: 4230.27
Last build-up pressure, PSIA: 4095.95
Draw-down mobility, md/cp: 0.1
Pressure, PSIA
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
200
300
400
500
600
Time, sec
Mobility Based Flow Volume: 4.0 cc
Total Pretest Volume: 4.7 cc · XPT-BA CP_SAP Resolution: 0.010psi


File 106
Depth, FT: 8155.96
OXYUS LA BASIN
Dominguez
DOM-001
Volumetric Limited draw-down - Large-Diameter probe
100000
10000



Schlumberger

CORRELATION

MAXIS Field Log

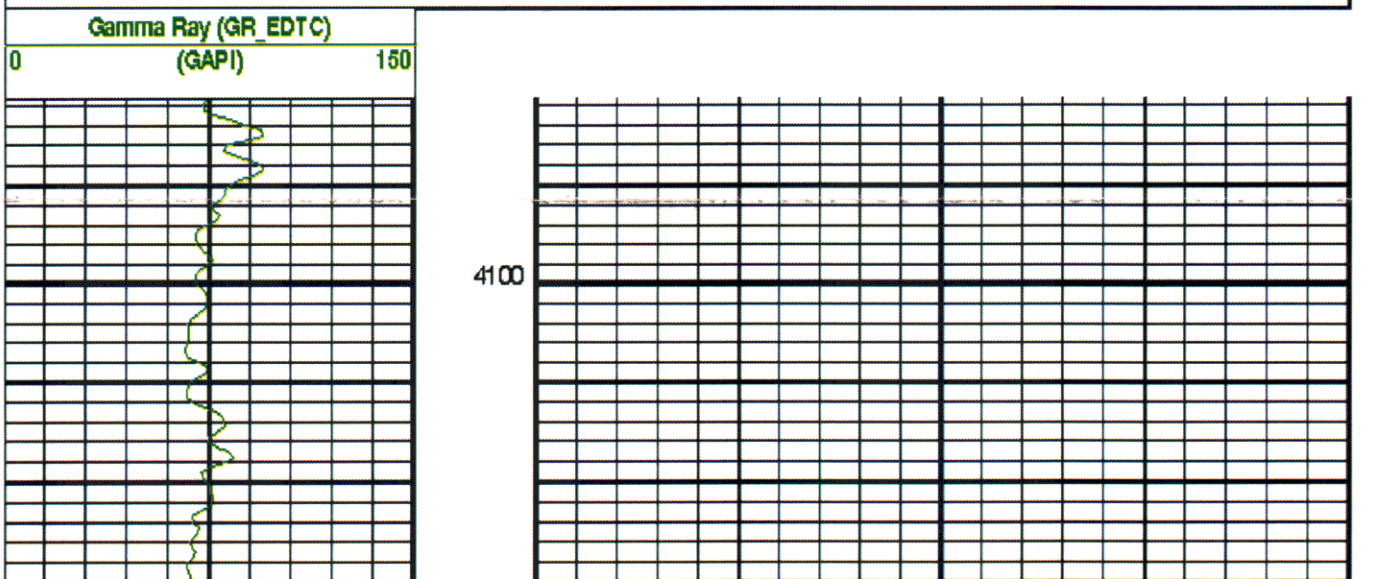
Company: OXY US LA BASIN | Well: DOM-001

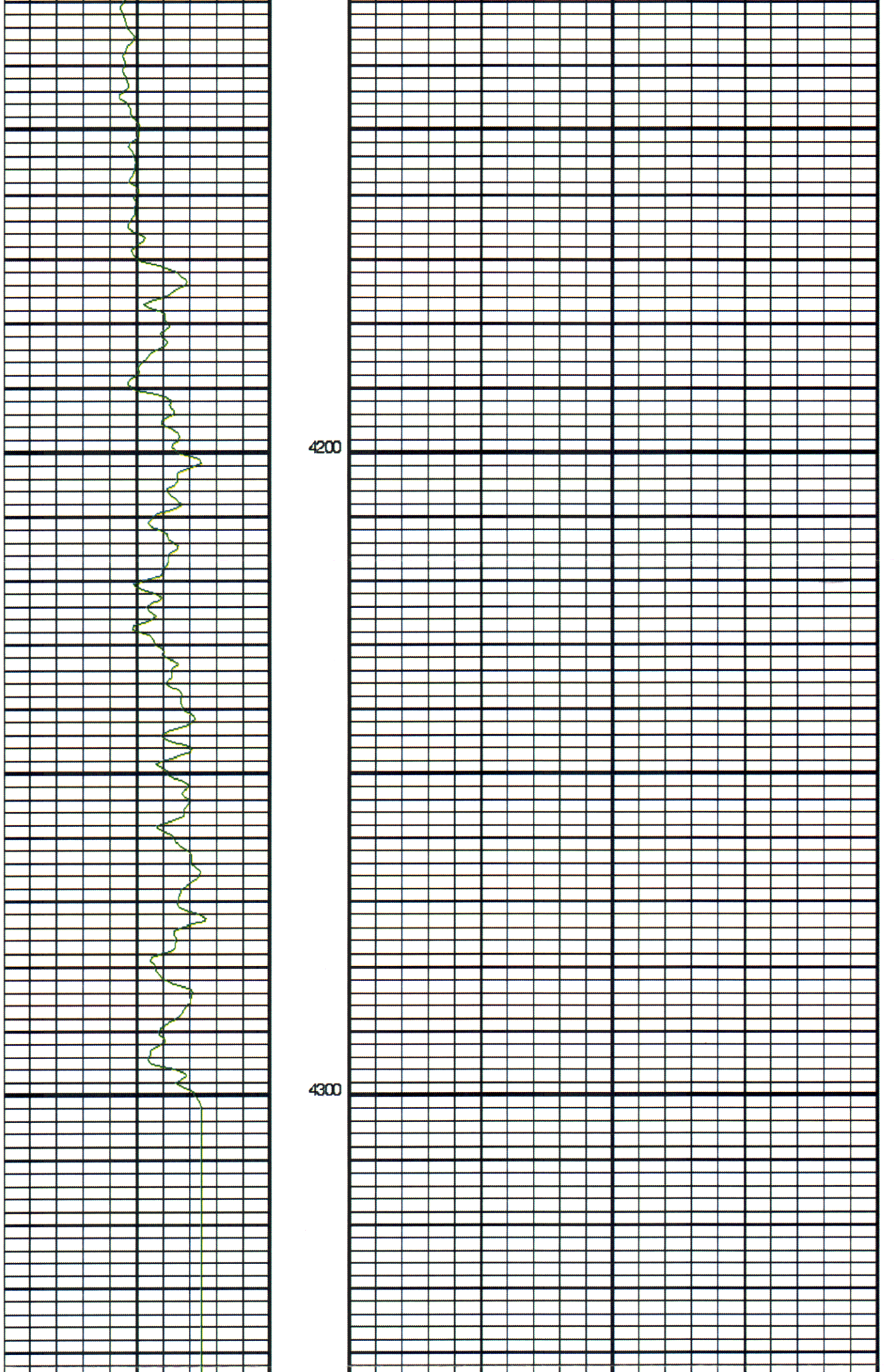
Output DLIS Files

DEFAULT	XPT_CMR_071LUP	FN:110	PRODUCER	12-Dec-2010 12:51
CLIENT	XPT_CMR_071LUC	FN:111	CUSTOMER	12-Dec-2010 12:51
RTB	XPT_CMR_071LUP	FN:112	PRODUCER	12-Dec-2010 12:51

OP System Version: 18C0-147

XPT-BA	18C0-147	CMRT-B	18C0-147
EDTC-B	18C0-147		





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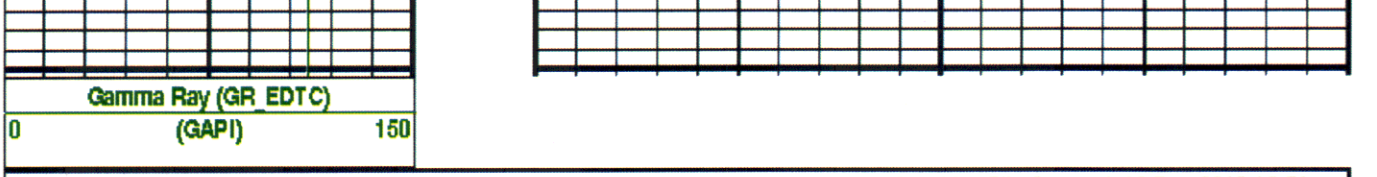

Format: CORRELATION_EDTCB Vertical Scale: 5" per 100' Graphics File Created: 12-Dec-2010 12:51

OP System Version: 18C0-147

XPT-BA	18C0-147	CMRT-B	18C0-147
EDTC-B	18C0-147		

Output DLIS Files

DEFAULT	XPT_CMR_071LUP	FN:110	PRODUCER	12-Dec-2010 12:51
CLIENT	XPT_CMR_071LUC	FN:111	CUSTOMER	12-Dec-2010 12:51
RTB	XPT_CMR_071LUP	FN:112	PRODUCER	12-Dec-2010 12:51

Schlumberger

GAUGE REPORT

MAXIS Field Log

Client:	OXY US LA BASIN	Tool:	XPT
Field:	Dominguez	Sub Type:	----
Well:	DOM-001	Sensor:	Hydrostatic
Run date:	11-Dec-2010		

XPT Hydrostatic Sapphire Gauge 20kPsi

Information	COEFFICIENTS FOR GAUGE XPT-160degC.5779 HYDROSTATIC:
Sensor Serial NB	5779
Calib Date ddmmyy	140110
Matrix Size	66
Coefficients Checksum	OK

Pres Coeff

	Temp**0	Temp**1	Temp**2
Pres**0	-.704406727601E+03	-.136845884921E+04	-.180592670970E+04
Pres**1	+.825984684228E+04	+.579252797923E+05	-.466615903540E+05
Pres**2	+.920015903252E+03	-.739230001410E+03	-.270037382620E+04
Pres**3	-.186346490300E+04	+.413265117229E+04	+.355863946837E+04
Pres**4	+.361513225344E+03	-.559256223329E+04	0.0
Pres**5	+.177023569654E+04	0.0	0.0

	Temp**3	Temp**4	Temp**5
Pres**0	+.205062119183E+04	-.699022964772E+03	0.0

Pres**1	+.384230432394E+05	-.128602773386E+05	0.0
Pres**2	-.150361739129E+04	0.0	0.0
Pres**3	0.0	0.0	0.0
Pres**4	0.0	0.0	0.0
Pres**5	0.0	0.0	0.0

XPT Hydrostatic Sapphire Gauge 20kPsi

Information	:
Sensor Serial NB	5779
Calib Date ddmmyy	140110
Matrix Size	66
Coefficients Checksum	OK

Temp Coeff

	Pres**0	Pres**1	Pres**2
Temp**0	-.241730122032E+03	-.100640430570E+01	+.338343430605E+01
Temp**1	+.397693590683E+03	+.215718537996E+01	-.486997330983E+01
Temp**2	+.619125160305E+02	+.316024087845E+01	+.218992725865E+01
Temp**3	+.942008679012E+00	-.106925310421E+01	0.0
Temp**4	0.0	0.0	0.0
Temp**5	0.0	0.0	0.0

	Pres**3	Pres**4	Pres**5
Temp**0	-.414795477262E+01	+.224305583329E+01	0.0
Temp**1	+.192939143140E+01	+.800502971556E-01	0.0
Temp**2	0.0	0.0	0.0
Temp**3	0.0	0.0	0.0
Temp**4	0.0	0.0	0.0
Temp**5	0.0	0.0	0.0

XPT Hydrostatic Sapphire Gauge 20kPsi

Information	:
Sensor Serial NB	250_0610
Calib Date ddmmyy	040805
Matrix Size	16
Coefficients Checksum	OK

Board Temp Coeff

Temp**0	Temp**1	Temp**2
-.247508000000E+03	+.419690000000E+03	+.276870000000E+02

Temp**3	Temp**4	Temp**5
+.258090000000E+02	-.134220000000E+02	+.425600000000E+01

Client:	OXY US LA BASIN	Tool:	XPT
Field:	Dominguez	Sub Type:	----
Well:	DOM-001	Sensor:	Sapphire
Run date:	11-Dec-2010		

XPT Sapphire Gauge 20kPsi

Information	COEFFICIENTS FOR GAUGE XPT-160degC.4793 FORMATION:
Sensor Serial NB	4793
Calib Date ddmmyy	140110
Matrix Size	66
Coefficients Checksum	OK

Pres Coeff

	Temp**0	Temp**1	Temp**2
Pres**0	+.117953803735E+03	-.258395220939E+03	-.317488818606E+04
Pres**1	+.892921252302E+04	+.343154498972E+05	-.125748848191E+05
Pres**2	-.214396588943E+03	+.206778335419E+04	-.345279673391E+04
Pres**3	-.565294065133E+03	+.737484643668E+03	+.237883523614E+04
Pres**4	+.296575938990E+03	-.228689644392E+04	0.0
Pres**5	+.577464968313E+03	0.0	0.0

	Temp**3	Temp**4	Temp**5
Pres**0	+.307124473269E+04	-.106047083884E+04	0.0
Pres**1	+.827478042631E+04	-.257124937313E+04	0.0
Pres**2	-.452364552193E+03	0.0	0.0
Pres**3	0.0	0.0	0.0
Pres**4	0.0	0.0	0.0
Pres**5	0.0	0.0	0.0

XPT Sapphire Gauge 20kPsi

Information	:

Sensor Serial NB	4793
Calib Date ddmmyy	140110
Matrix Size	66
Coefficients Checksum	OK

Temp Coeff

	Pres**0	Pres**1	Pres**2
Temp**0	-.244893632307E+03	-.594753169248E+00	+.309612202076E+01
Temp**1	+.410416093597E+03	+.736849211070E+00	-.530619982418E+01
Temp**2	+.424690287644E+02	+.409199733592E+01	+.214656116510E+01
Temp**3	+.865182703308E+01	-.163773026521E+01	0.0
Temp**4	0.0	0.0	0.0
Temp**5	0.0	0.0	0.0

	Pres**3	Pres**4	Pres**5
Temp**0	-.374590625080E+01	+.219651530956E+01	0.0
Temp**1	+.364740317313E+01	-.182346946984E+01	0.0
Temp**2	0.0	0.0	0.0
Temp**3	0.0	0.0	0.0
Temp**4	0.0	0.0	0.0
Temp**5	0.0	0.0	0.0

XPT Sapphire Gauge 20kPsi

Information	:
Sensor Serial NB	254_0627
Calib Date ddmmyy	040805
Matrix Size	16
Coefficients Checksum	OK

Board Temp Coeff

Temp**0	Temp**1	Temp**2
-.247508000000E+03	+.419690000000E+03	+.276870000000E+02

Temp**3	Temp**4	Temp**5
+.258090000000E+02	-.134220000000E+02	+.425600000000E+01

Company: OXY US LA BASIN

Schlumberger

Well: DOM-001
Field: Dominguez
County: Los Angeles
State: California

EXPRESS PRESSURE TESTER
GAMMA RAY TIE IN
SHORT PRINT