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OTHER SERVICES1
 OS1: PEx-ADT-HNGS-AIT
 OS2: MSIP-FMI
 OS3:
 OS4:
 OS5:

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Tool run as per tool sketch.

 This is a subsequent run in hole. Log correlated to Run 1 Pex data.

 Pretest at 8641.7 ft is not in either summary but is included in print under Pretest at 8641.7

REMARKS: RUN NUMBER 2

RUN 1		
SERVICE ORDER #:	BE0K-00226	
PROGRAM VERSION:	19C0-187	
FLUID LEVEL:	8 ft	
LOGGED INTERVAL	START	STOP

RUN 2		
SERVICE ORDER #:		
PROGRAM VERSION:		
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1


SURFACE EQUIPMENT
 MRPP-AA
 WITM (EDTS)-A

RUN 2

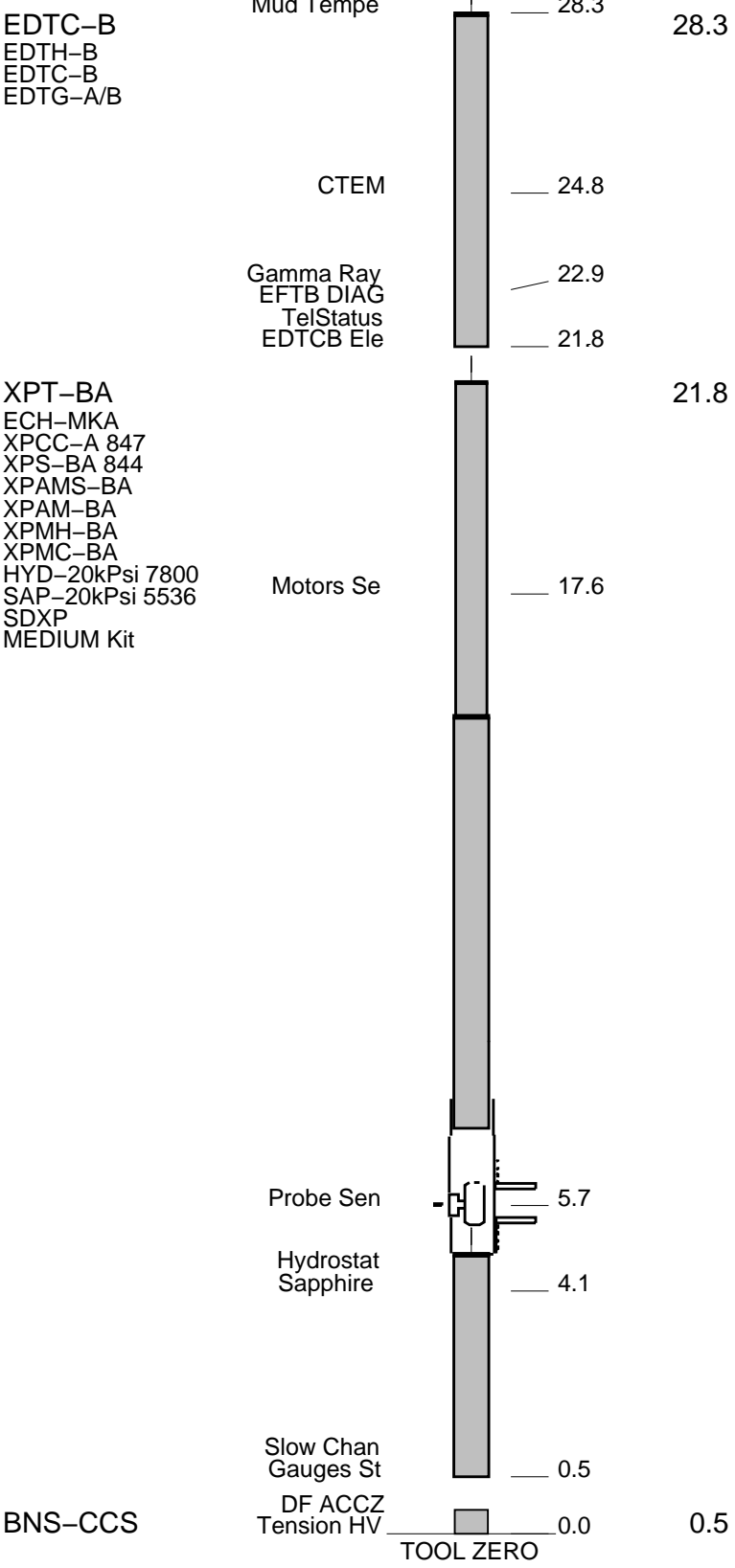
DOWNHOLE EQUIPMENT

LEH-QT
 LEH-QT

31.2



MDSB_EDTC



MAXIMUM STRING DIAMETER 5.43 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Client: Noble Energy Inc
Field: Wattenberg
Well: Longs AC 02-15
Run date: 1-Aug-2012

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

Test	File	Depth FT	TVD FT	Drawdown Mobility MD/CP	Mud Pressure		Last read build-up Pres PSIG	Formation Pressure PSIG	Test Type
					Before PSIG	After PSIG			
7	18	8699.95	8699.95	1630.71	4203.74	4202.58	2840.15	2840.15	Volumetric Limited draw-down
15	21	8707.90	8707.90	397.98	4204.66	4204.14	2843.57	2843.57	Volumetric Limited draw-down
17	22	8679.90	8679.90	333.65	4189.51	4188.89	2832.14	2832.14	Volumetric Limited draw-down
20	23	8660.78	8660.78	43.05	4156.59	4176.99	2823.63	2823.63	Volumetric Limited draw-down
2	25	8628.92	8628.92	12.32	4138.57	4159.60	2818.16	2818.16	Volumetric Limited draw-down
6	27	8627.40	8627.40	7.20	4158.49	4157.34	2818.59	2818.59	Volumetric Limited draw-down
10	31	8623.23	8623.23	0.38	4153.24	4146.75	2840.57	2840.57	Volumetric Limited draw-down
15	34	8619.45	8619.45	15.83	4148.52	4146.72	2810.72	2810.72	Volumetric Limited draw-down
17	35	8615.91	8615.91	41.80	4145.41	4144.30	2808.41	2808.41	Volumetric Limited draw-down

Client: Noble Energy Inc
 Field: Wattenberg
 Well: Longs AC 02-15
 Run date: 1-Aug-2012

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

Test Number	6	10	15	17
File Number	27	31	34	35
Test Type	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down
Depth,FT	8627.40	8623.23	8619.45	8615.91
Vertical Depth,FT	8627.40	8623.23	8619.45	8615.91
Mud Pressure before,PSIG	4158.49	4153.24	4148.52	4145.41
Mud Pressure after,PSIG	4157.34	4146.75	4146.72	4144.30
Last read build-up Pressure,PSIG	2818.59	2840.57	2810.72	2808.41
Formation Pressure,PSIG	2818.59	2840.57	2810.72	2808.41
Pretest 1 duration, SEC	15.6	3.0	8.7	8.7
Pretest 1 volume, CC	15.0	2.3	15.0	15.0
Pretest 1 flow-rate, CC/SEC	0.96	0.78	1.73	1.73
Draw-down Mobility, MD/CP	7.203	0.375	15.832	41.797
Draw-down Permeability, MD				
Viscosity,CP				
Spherical Extrapolated Pressure,PSIG				
Spherical Mobility, MD/CP				
Porosity				
Total Compressibility, 1/PSI				
Depth of investigation,FT				
Radial Extrapolated Pressure,PSIG				
Horizontal Mobility-Thickness, MD.FT/CP				

Client: Noble Energy Inc
 Field: Wattenberg
 Well: Longs AC 02-15
 Run date: 1-Aug-2012

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

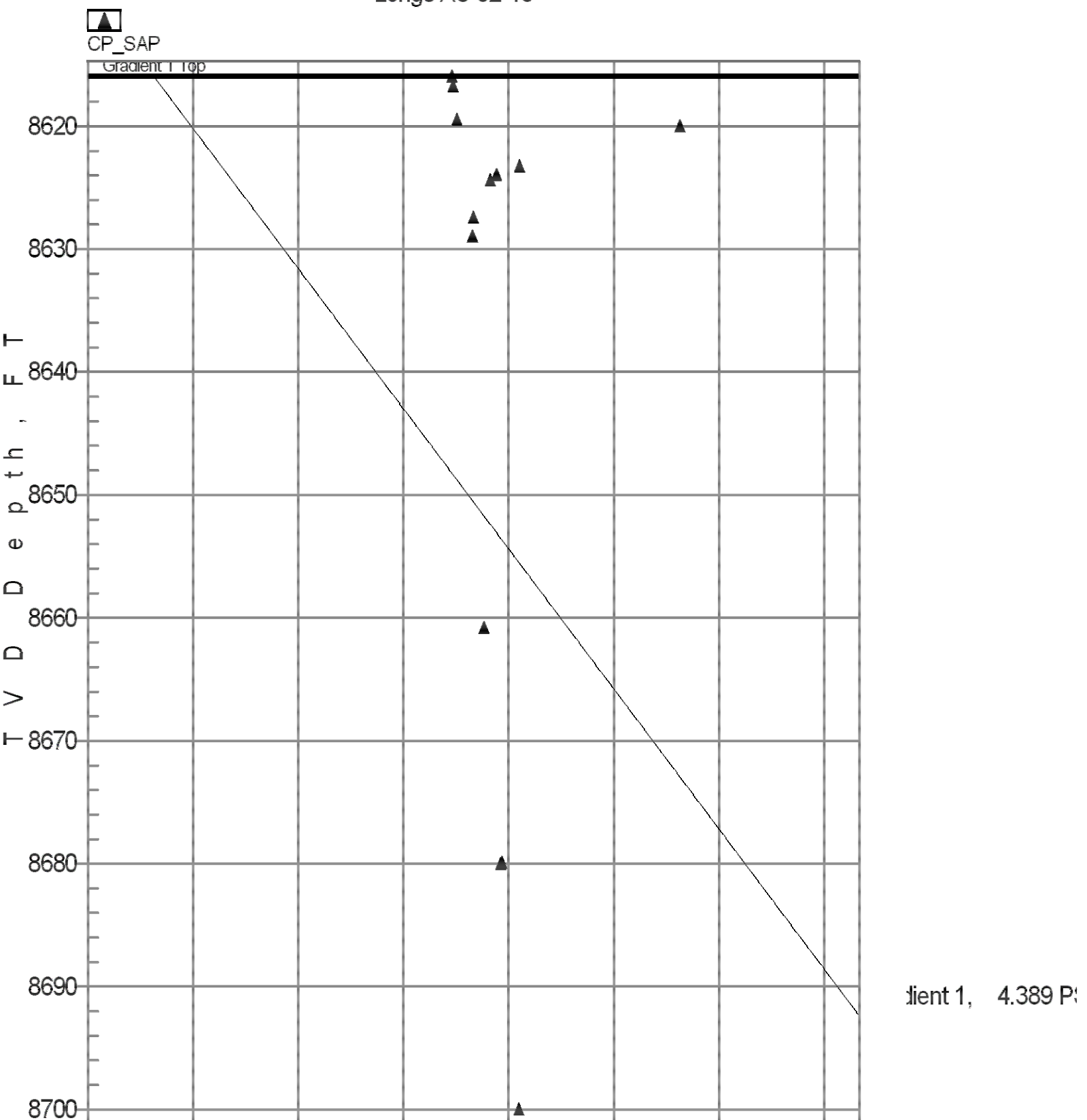
Test Number	7	15	17	20	2
File Number	18	21	22	23	25
Test Type	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down
Depth,FT	8699.95	8707.90	8679.90	8660.78	8628.92
Vertical Depth,FT	8699.95	8707.90	8679.90	8660.78	8628.92
Mud Pressure before,PSIG	4203.74	4204.66	4189.51	4156.59	4138.57
Mud Pressure after,PSIG	4202.58	4204.14	4188.89	4176.99	4159.60
Last read build-up Pressure,PSIG	2840.15	2843.57	2832.14	2823.63	2818.16
Formation Pressure,PSIG	2840.15	2843.57	2832.14	2823.63	2818.16
Pretest 1 duration, SEC	8.7	15.6	22.5	5.4	3.3
Pretest 1 volume, CC	15.1	15.0	22.0	5.1	4.2
Pretest 1 flow-rate, CC/SEC	1.73	0.96	0.98	0.94	1.26
Draw-down Mobility, MD/CP	1630.708	397.981	333.651	43.053	12.320
Draw-down Permeability, MD					
Viscosity,CP					
Spherical Extrapolated Pressure,PSIG					
Spherical Mobility, MD/CP					

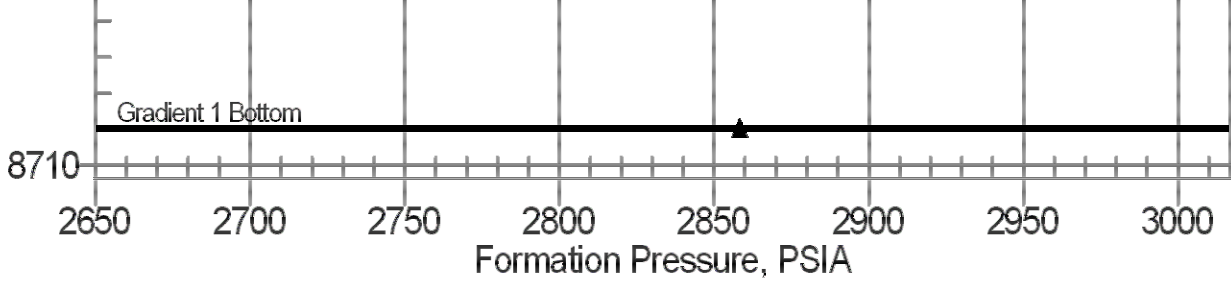
Porosity					
Total Compressibility, 1/PSI					
Depth of investigation, FT					
Radial Extrapolated Pressure, PSIG					
Horizontal Mobility-Thickness, MD.FT/CP					

Depth vs. Formation Pressure

1-Aug-2012

Noble Energy Inc
Wattenberg
Longs AC 02-15

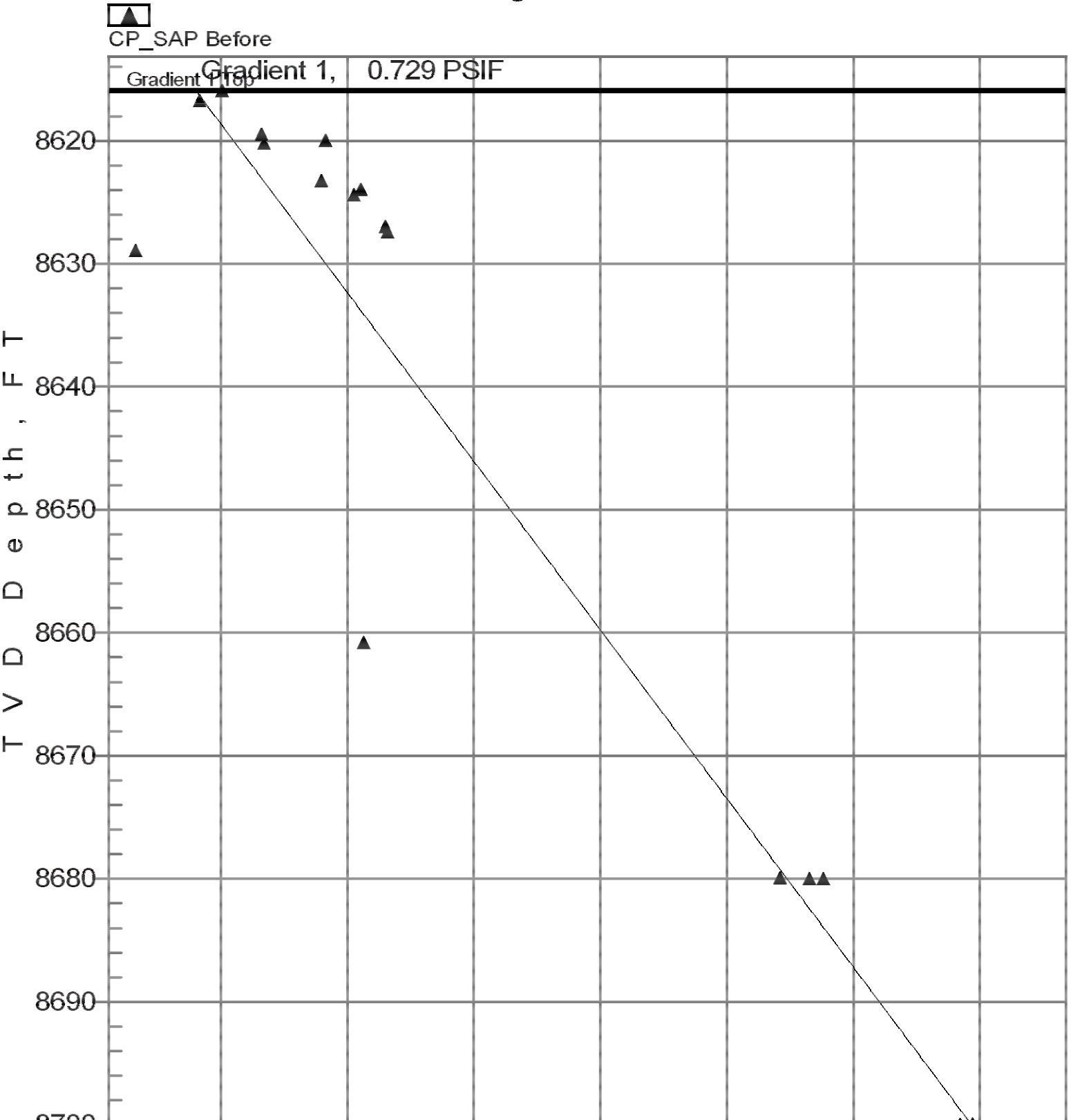


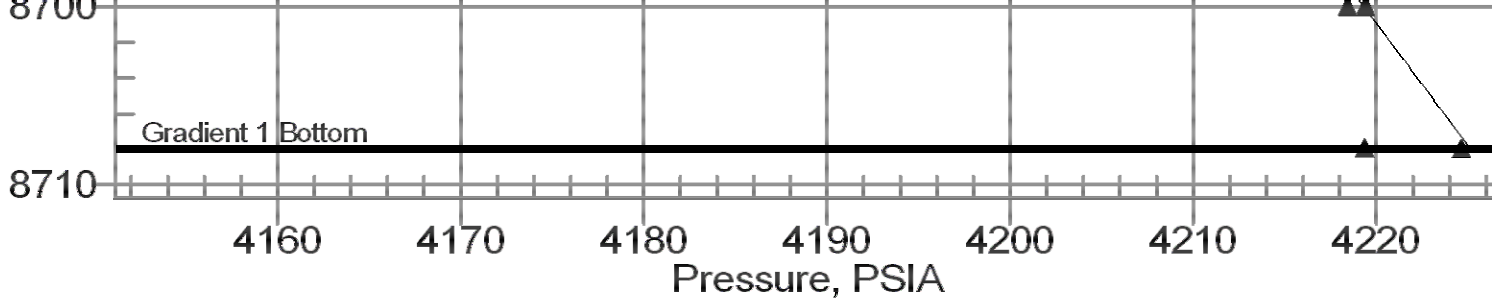


Depth vs. Mud Pressure

1-Aug-2012

Noble Energy Inc
Wattenberg
Longs AC 02-15





Schlumberger

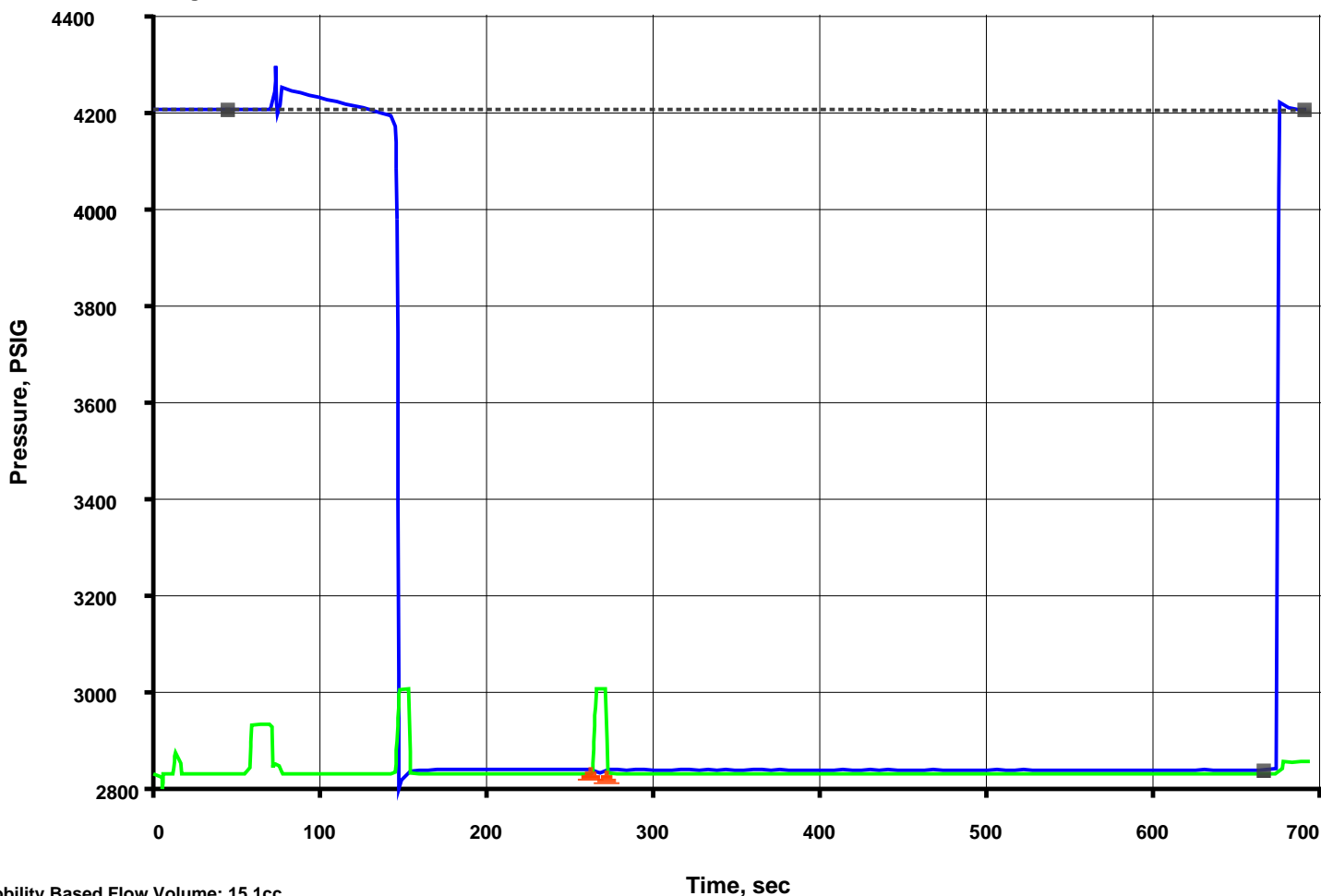
Pretest at 8699.95

MAXIS Field Log

File 18
1-Aug-2012
Noble Energy Inc
Wattenberg
Longs AC 02-15

Volumetric Limited draw-down - Conventional probe

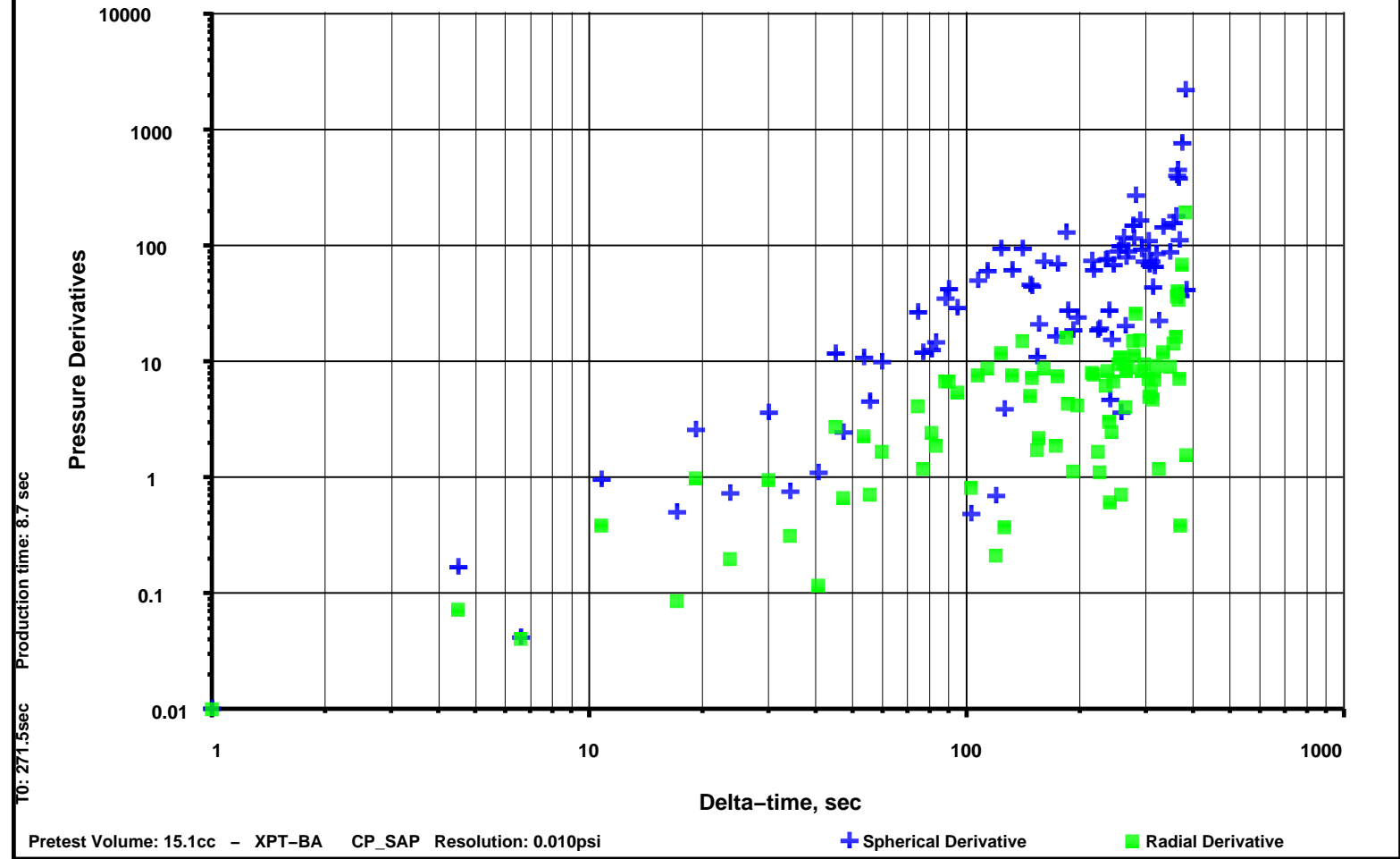
Mud Pressure before test, PSIG: 4203.74
Mud Pressure after test, PSIG: 4202.58
Last build-up pressure, PSIG: 2840.15
Draw-down mobility, md/cp: 1630.7



Mobility Based Flow Volume: 15.1cc
Total Pretest Volume: 15.1cc - XPT-BA CP_SAP Resolution: 0.010psi

File 18
1-Aug-2012
Noble Energy Inc
Wattenberg
Longs AC 02-15

Volumetric Limited draw-down - Conventional probe



Company: Noble Energy Inc Well: Longs AC 02-15

Output DLIS Files

DEFAULT XPT_018LTP FN:17 PRODUCER 02-Aug-2012 04:09 8705.7 FT

XPT Event Summary

At 58.5 seconds Set @8700.0 FT
 At 155.7 seconds Pretest 15.1 cc @2.00 C3/S(V) Volume Limit Reached
 At 273.3 seconds Pretest 15.1 cc @2.00 C3/S(V) Volume Limit Reached
 At 676.2 seconds Retract

OP System Version: 19C0-187

XPT-BA 19C0-187 EDTC-B 19C0-187

	XPT Oil Pressure Curve (HOILP)	
	0	4000
	(PSIA)	
	Hydrostatic Pressure (CP_HYD)	
	0	10000
	(PSIA)	
XPT Motor Speed Curve (MSP_E_XPT)	Sapphire Pressure (CP_SAP)	
	0	10000
	(PSIA)	

PRETEST_VOLUME
From XPT_7 to XPT_PTV_CURVE

XPT Pretest Volume Curve (PTV_XPT)
0 (C3) 50

KPM
0
5000
XPT
Actio
ns
Imag
e
(AIM
G)
(---)

Sapphire Manometer
Temperature (MTEP_SAP)
0 (DEGF) 300

XPT Time
Log
(ETIM_XPT)
(S)

Sapphire
Pressure
(CP_SAP)
(PSIA)

Sapphire Zoomed
Pressure (CP_SAP)
0 (PSIA) 100

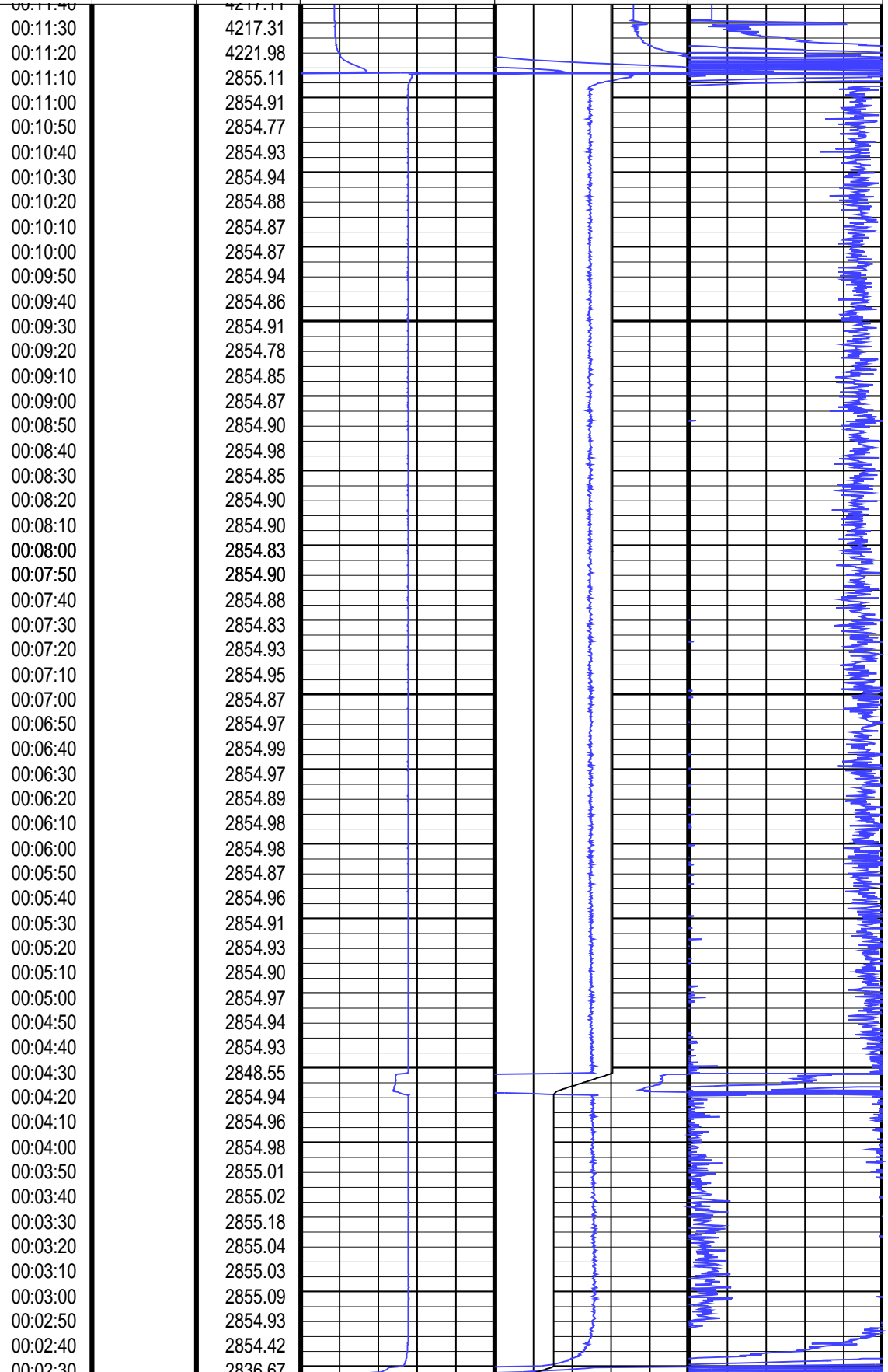
Sapphire Zoomed
Pressure (CP_SAP)
0 (PSIA) 10

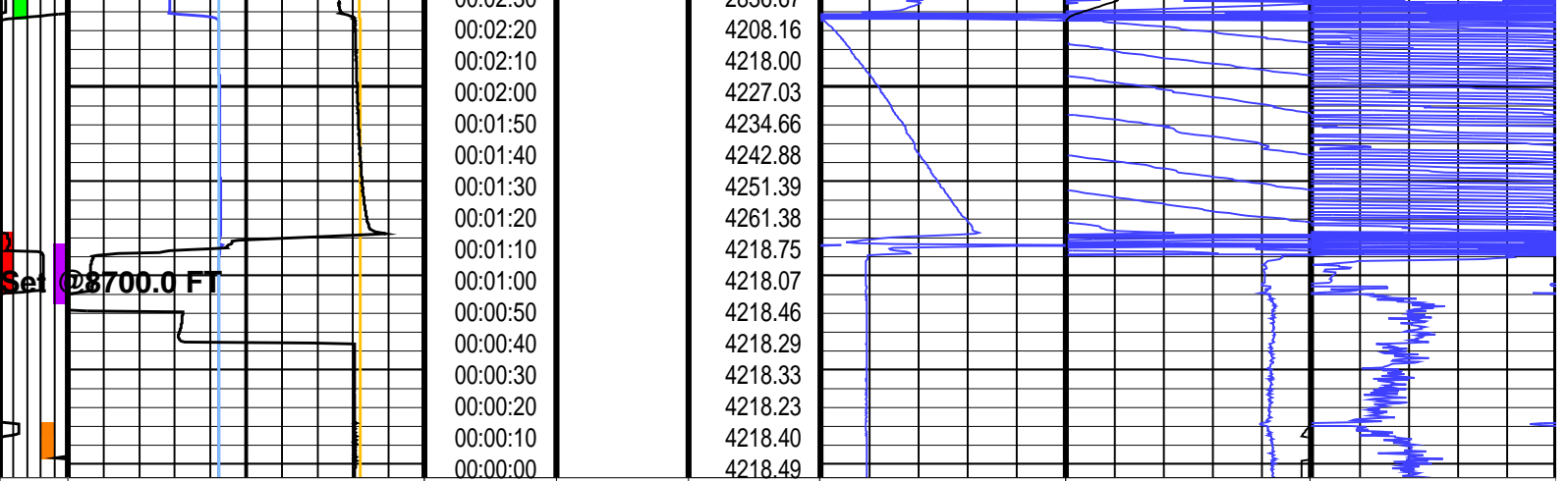
Sapphire Zoomed
Pressure (CP_SAP)
0 (PSIA) 1

Retract

Pretest 15.1 cc @2.00 C3/S(V)

Pretest 15.1 cc @2.00 C3/S(V)





XPT Actions Image (AIM G) (----)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S)	Sapphire Pressure (CP_SAP) (PSIA)	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 100	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 10	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 1
XPT Motor Speed Curve (MSP E_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIA) 10000				XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50	
	Hydrostatic Pressure (CP_HYD) 0 (PSIA) 10000				PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE	
	XPT Oil Pressure Curve (HOILP) 0 (PSIA) 4000					

XPT Actions Image

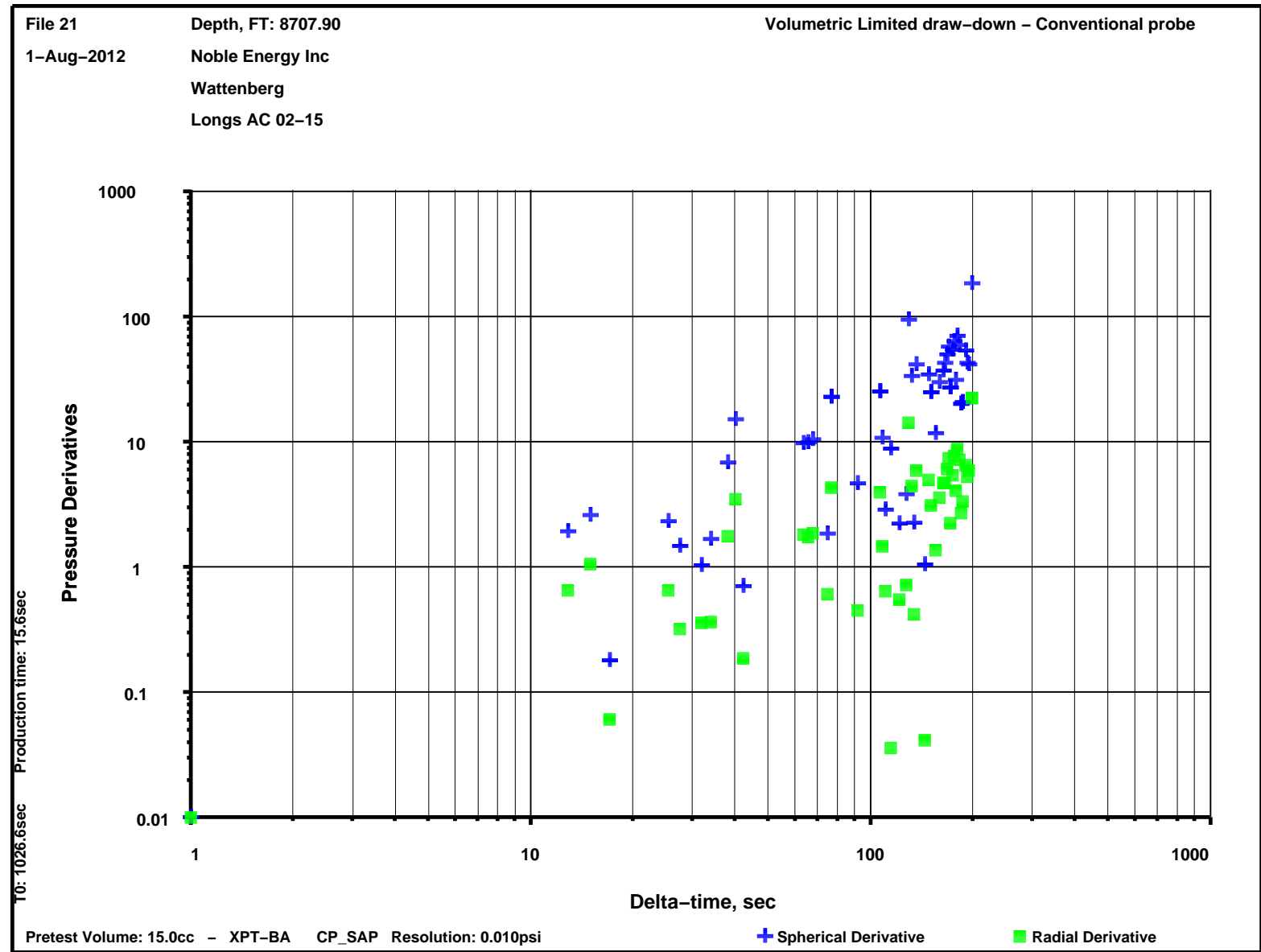
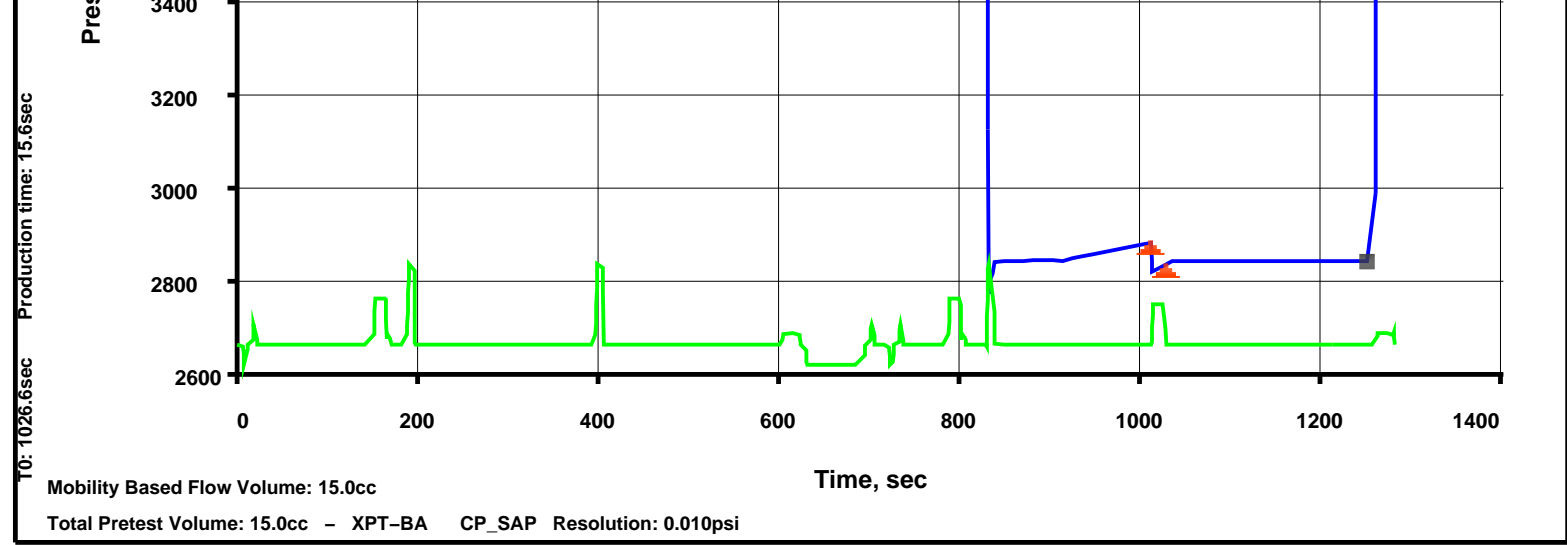
WHITE: No Action / COLORED: Action in progress
 Left to right:
 1. Set (Red)
 2. Pretest (Green)
 3. Retract (Blue)
 4. Init Pretest (Orange)
 5. ACom Calibration (Purple)

XPT Dynamic Compensation Status

Quartz Gauge Pressure not compensated and corrected
 Sapphire Gauge Pressure compensated and corrected
 Hydrostatic Sapphire Gauge Pressure compensated and corrected

Parameters

DLIS Name	Description	Value
XPT-BA: Xpress Pressure Tool - BA		
BTA_HYD	Hydrostatic Gauge Board Temperature A Coefficient	1.02887



Company: Noble Energy Inc Well: Longs AC 02-15

Output DLIS Files

DEFAULT XPT_021LTP FN:20 PRODUCER 02-Aug-2012 04:53 8713.6 FT

XPT Event Summary

- At 152.1 seconds Set @8707.9 FT
- At 198.6 seconds Pretest 15.1 cc @2.00 C3/S(V) Volume Limit Reached
- At 406.5 seconds Pretest 15.1 cc @2.00 C3/S(V) Volume Limit Reached

At 603.9 seconds
 At 786.9 seconds
 At 838.5 seconds
 At 1028.4 seconds
 At 1260.6 seconds

Retract
 Set @8707.9 FT
 Pretest 15.1 cc @2.00 C3/S(V) Volume Limit Reached
 Pretest 15.0 cc @1.00 C3/S(V) Volume Limit Reached
 Retract

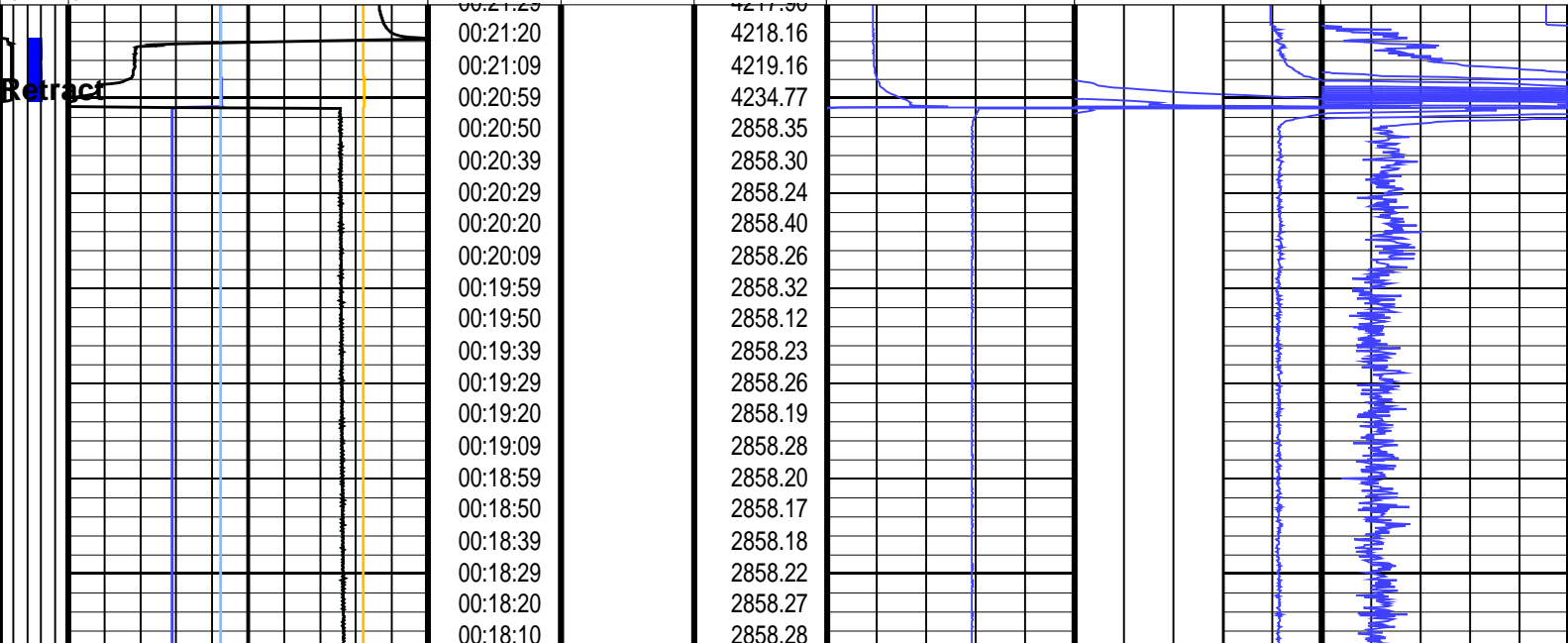
OP System Version: 19C0-187

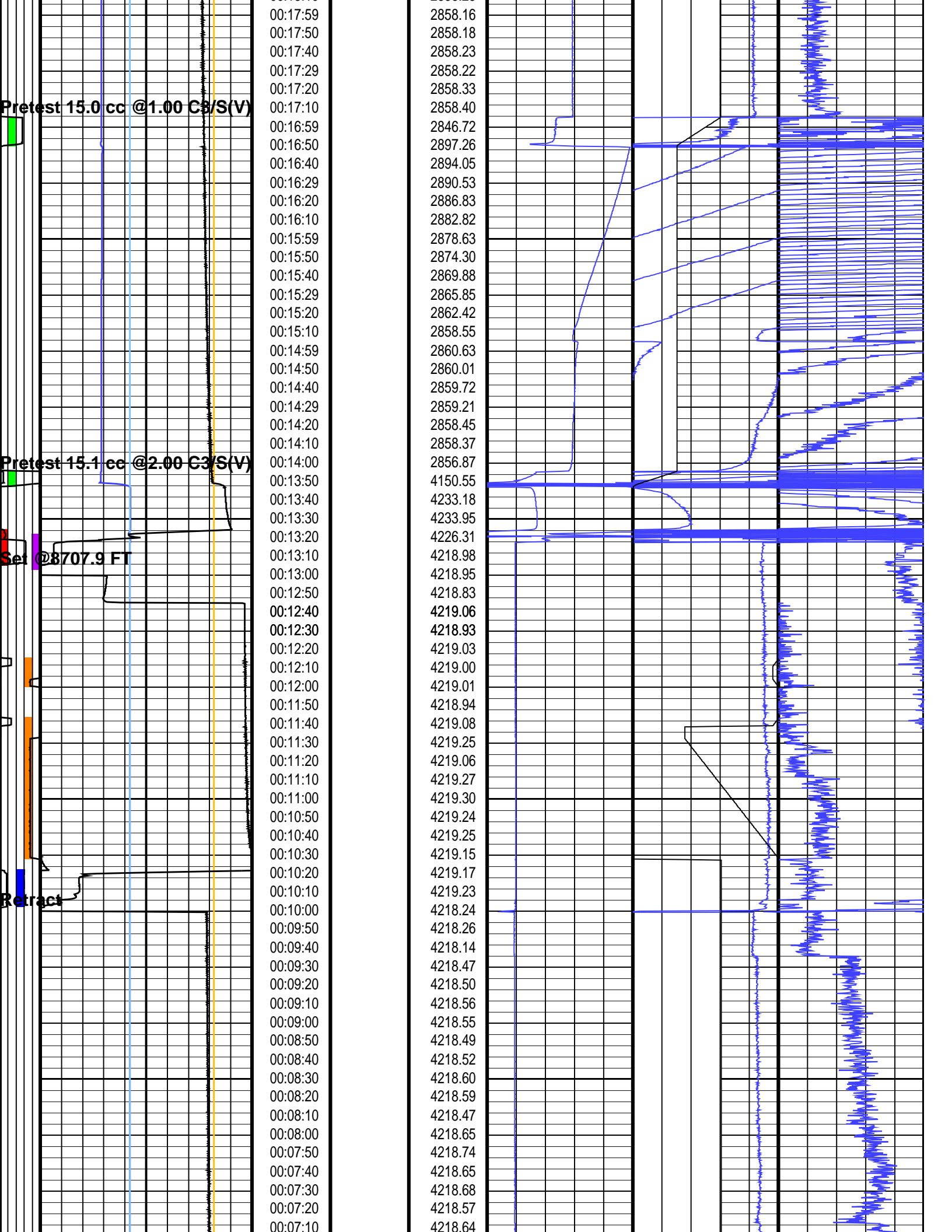
XPT-BA 19C0-187 EDTC-B 19C0-187

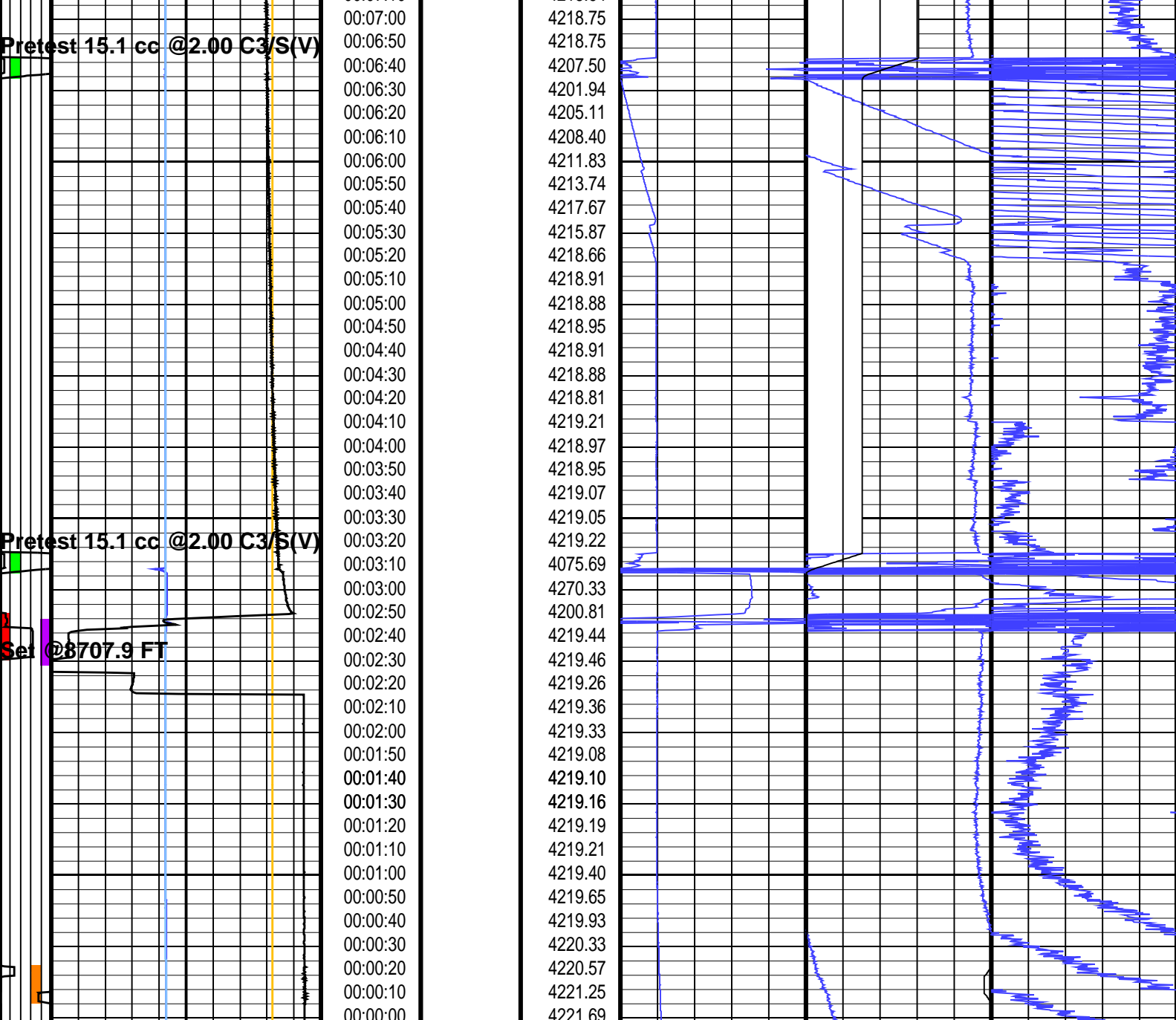
Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
DDPL_XPT	1500 PSIG	1000 PSIG	8713.6 04:55:07
	2000 PSIG	1500 PSIG	8713.6 04:55:42
PRSP	1 C3/S	2 C3/S	8713.6 05:10:31

	XPT Oil Pressure Curve (HOILP) 0 (PSIA) 4000							
	Hydrostatic Pressure (CP_HYD) 0 (PSIA) 10000		PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE					
XPT Motor Speed Curve (MSP_E_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIA) 10000		XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50					
XPT Actions Image (AIM G) (----)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"> Sapphire Pressure (CP_SAP) (PSIA) </td> <td style="width: 25%;"> Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 100 </td> <td style="width: 25%;"> Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 10 </td> <td style="width: 25%;"> Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 1 </td> </tr> </table>		Sapphire Pressure (CP_SAP) (PSIA)	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 100	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 10	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 1
	Sapphire Pressure (CP_SAP) (PSIA)	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 100	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 10	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 1				







	<p>Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300</p>	<p>XPT Time Log (ETIM_XPT) (S)</p>	<p>Sapphire Pressure (CP_SAP) (PSIA)</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 100</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 10</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 1</p>
--	---	---	---	---	--	---

<p>XPT Motor Speed Curve (MSP_XPT) (RPM) 0 5000</p>	<p>Sapphire Pressure (CP_SAP) (PSIA) 0 10000</p>				<p>XPT Pretest Volume Curve (PTV_XPT) (C3) 0 50</p>	
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<p>Hydrostatic Pressure (CP_HYD)</p>	<p>PRETEST_VOLUME</p>
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0	(PSIA)	10000
XPT Oil Pressure Curve (HOILP)		
0	(PSIA)	4000

From XPT_7 to
XPT_PTV_CURVE

XPT Actions Image

WHITE: No Action / COLORED: Action in progress

Left to right:

1. Set (Red)
2. Pretest (Green)
3. Retract (Blue)
4. Init Pretest (Orange)
5. ACom Calibration (Purple)

XPT Dynamic Compensation Status

Quartz Gauge Pressure not compensated and corrected

Sapphire Gauge Pressure compensated and corrected

Hydrostatic Sapphire Gauge Pressure compensated and corrected

Parameters

DLIS Name	Description	Value	
XPT-BA: Xpress Pressure Tool – BA			
BTA_HYD	Hydrostatic Gauge Board Temperature A Coefficient	1.02887	
BTA_SAP	Sapphire Board Temperature A Coefficient	1.01075	
BTB_HYD	Hydrostatic Gauge Board Temperature B Coefficient	-0.000115595	
BTB_SAP	Sapphire Board Temperature B Coefficient	0.00031494	
BTCT_HYD	Hydrostatic Gauge Board Temperature Coefficients Read From Data Channels	YES	
BTCT_SAP	Sapphire Board Temperature Coefficients Read Fram Data Channels	YES	
DDPL_XPT	Pretest Drawdown Limit	1000	PSIG
DEVI_FL_CORR_XPT	Tool Deviation Angle	0	DEG
FLD_XPT	Flowline Density	1	G/C3
GDSV	Gauges Downhole Software Version	2.1	
GDYCO	Sapphire Dynamic Compensation Applied	YES	
PAC_SAP	Sapphire Gauge Pressure A Coefficient	1.00126	
PA_HYD	Hydrostatic Gauge Pressure A Coefficient	1.00306	
PBC_SAP	Sapphire Gauge Pressure B Coefficient	0.000388477	
PB_HYD	Hydrostatic Gauge Pressure B Coefficient	0.000211117	
PCT_HYD	Hydrostatic Gauge Pressure Coefficients Read From Data Channels	YES	
PCT_SAP	Sapphire Pressure Coefficients Read From Data Channels	YES	
PDCO_XPT	XPT Probe Depth Correction Offset	0	FT
PGSR	Pressure Gauges Sampling Rate	300	ms
PRSP	Pretest Rate	2	C3/S
PTM_XPT	Pretest Type	MANUAL	
PTVO_XPT	Pretest Volume	15	C3
TAC_SAP	Sapphire Gauge Temperature A Coefficient	1.00099	
TA_HYD	Hydrostatic Gauge Temperature A Coefficient	1.01598	
TBC_SAP	Sapphire Gauge Temperature B Coefficient	-2.99902e-006	
TB_HYD	Hydrostatic Gauge Temperature B Coefficient	-0.000288413	
TCT_HYD	Hydrostatic Gauge Temperature Coefficients Read >From Data Channels	YES	
TCT_SAP	Sapphire Temperature Coefficients Read From Data Channels	YES	

Format: XPT_StationLog

Vertical Scale: 1" per 60S

Graphics File Created: 02-Aug-2012 04:53

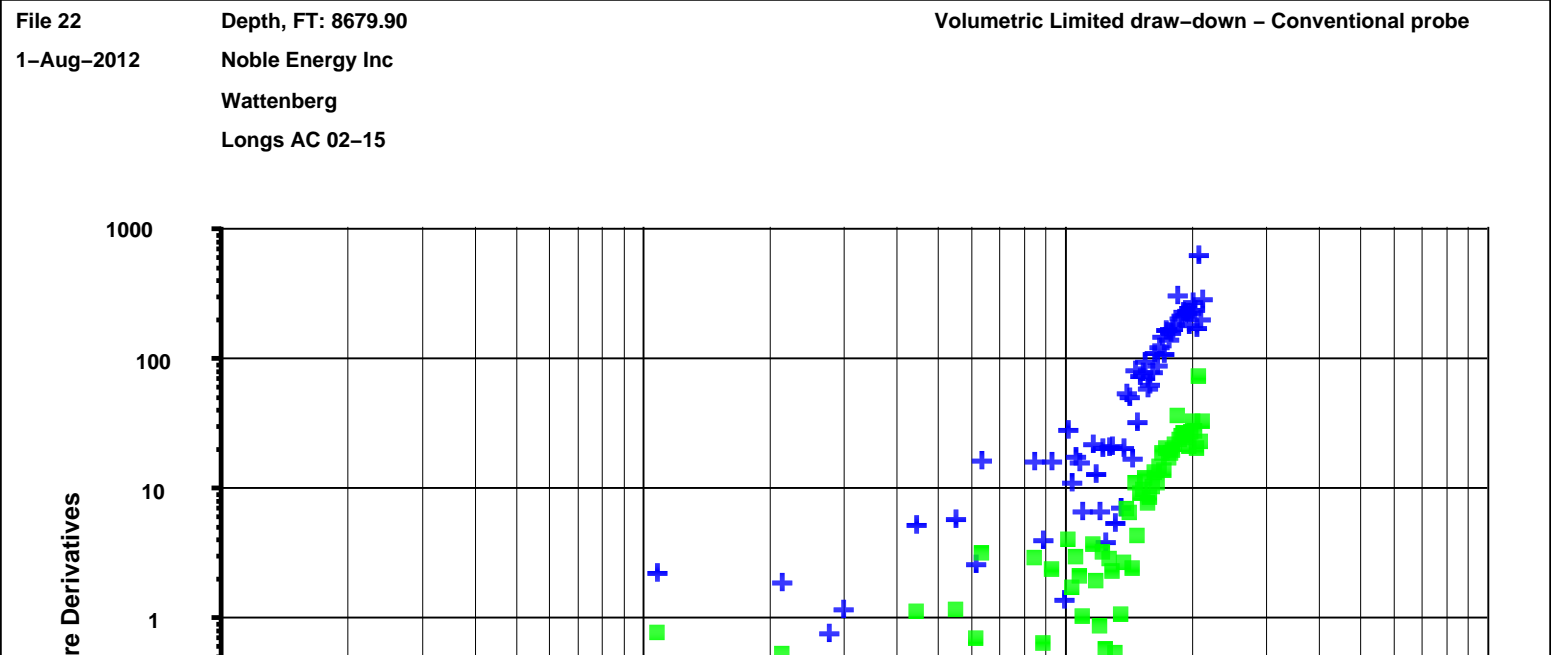
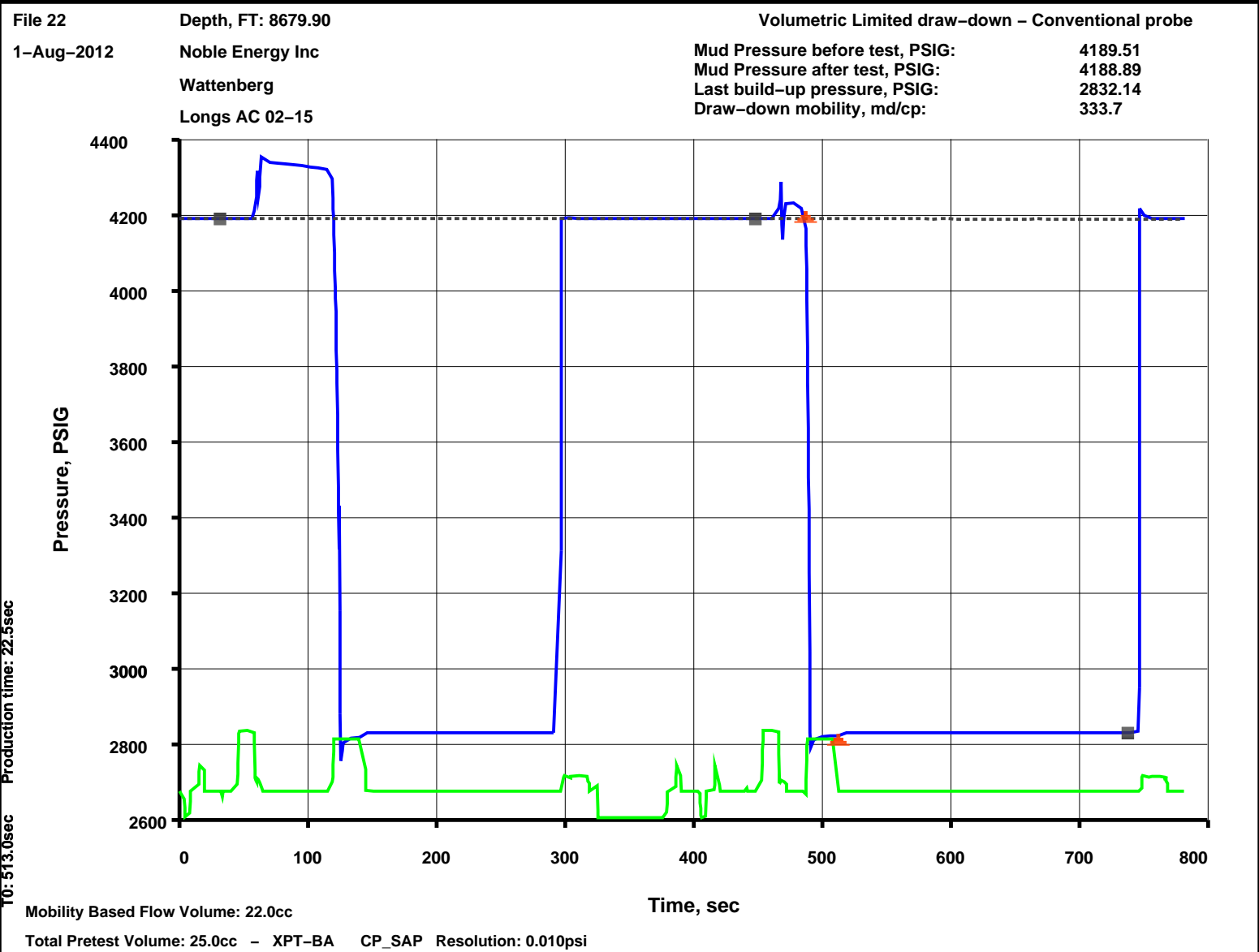
OP System Version: 19C0-187

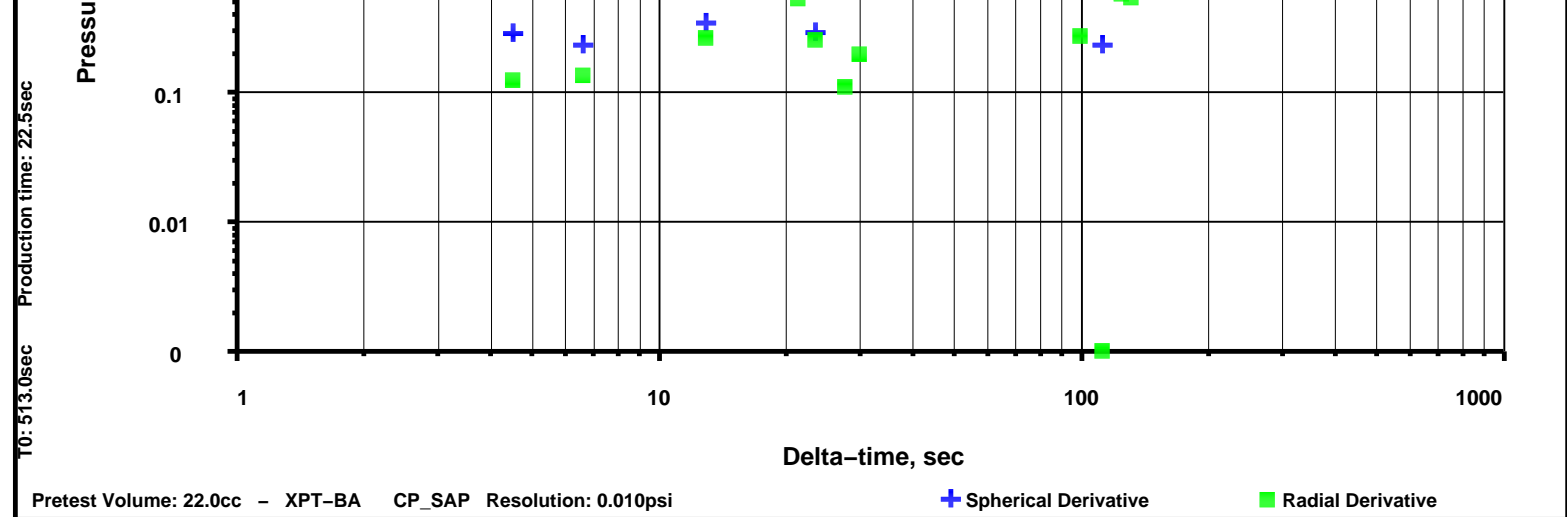
XPT-BA 19C0-187 EDTC-B 19C0-187

Output DLIS Files

DEFAULT XPT_021LTP FN:20 PRODUCER 02-Aug-2012 04:53

MAXIS Field Log





Company: Noble Energy Inc Well: Longs AC 02-15

Output DLIS Files

DEFAULT XPT_022LTP FN:21 PRODUCER 02-Aug-2012 05:24 8685.6 FT

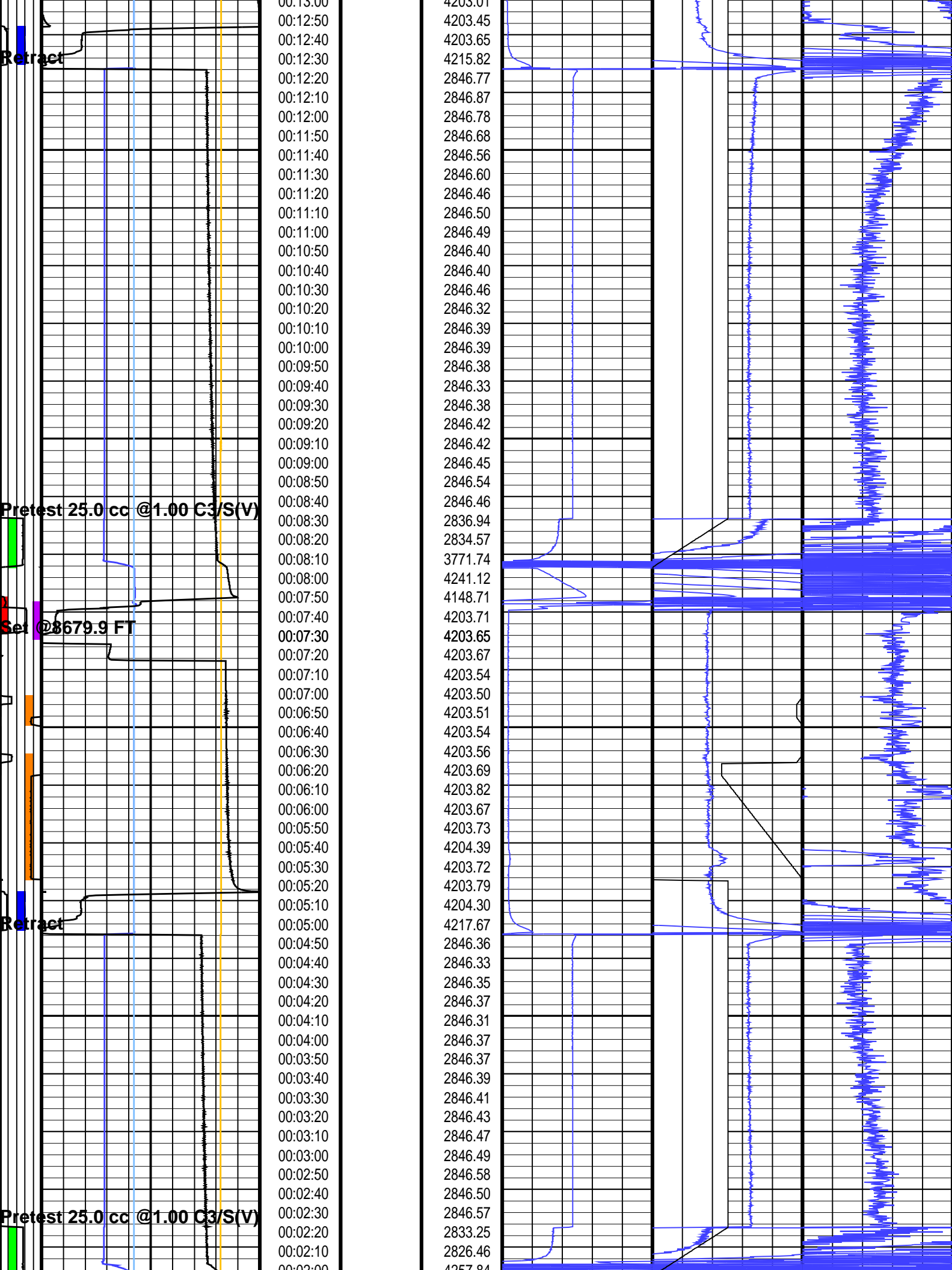
XPT Event Summary

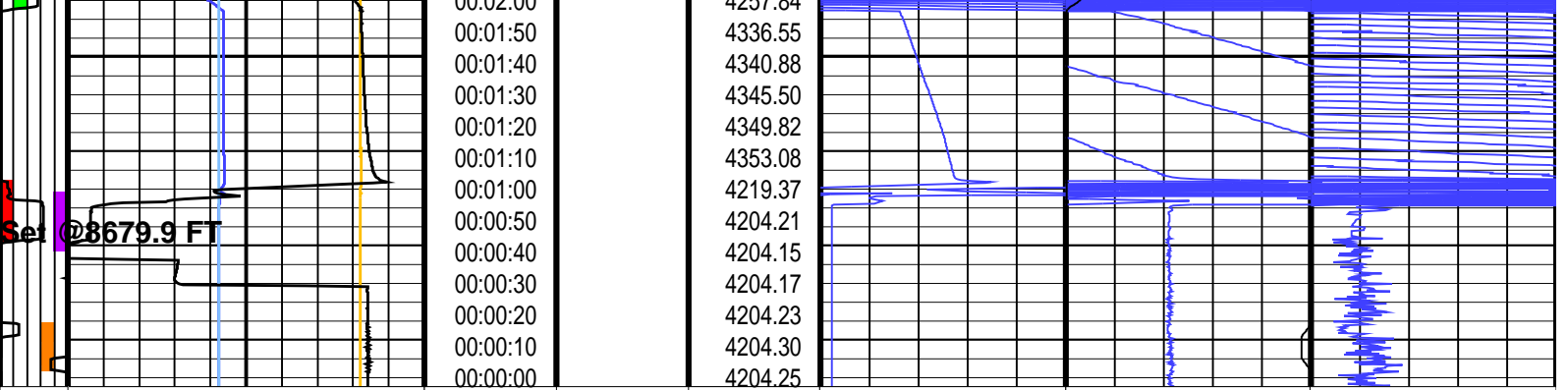
- At 45.9 seconds Set @8679.9 FT
- At 146.4 seconds Pretest 25.0 cc @1.00 C3/S(V) Volume Limit Reached
- At 299.4 seconds Retract
- At 453.3 seconds Set @8679.9 FT
- At 514.5 seconds Pretest 25.0 cc @1.00 C3/S(V) Volume Limit Reached
- At 749.1 seconds Retract

OP System Version: 19C0-187

XPT-BA 19C0-187 EDTC-B 19C0-187

	XPT Oil Pressure Curve (HOILP) 0 (PSIA) 4000					
	Hydrostatic Pressure (CP_HYD) 0 (PSIA) 10000	PRETEST_VOLUME From XPT_7 to XPT_PTV_CURVE				
XPT Motor Speed Curve (MSP E_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIA) 10000	XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50				
XPT Actions Image (AIMG) (---)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S)	Sapphire Pressure (CP_SAP) (PSIA)	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 100	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 10	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 1





XPT Actions Image (AIM G) (---)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S)	Sapphire Pressure (CP_SAP) (PSIA)	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 100	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 10	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 1
	Sapphire Pressure (CP_SAP) 0 (PSIA) 10000			XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50		
	Hydrostatic Pressure (CP_HYD) 0 (PSIA) 10000			PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE		
	XPT Oil Pressure Curve (HOILP) 0 (PSIA) 4000					

XPT Actions Image

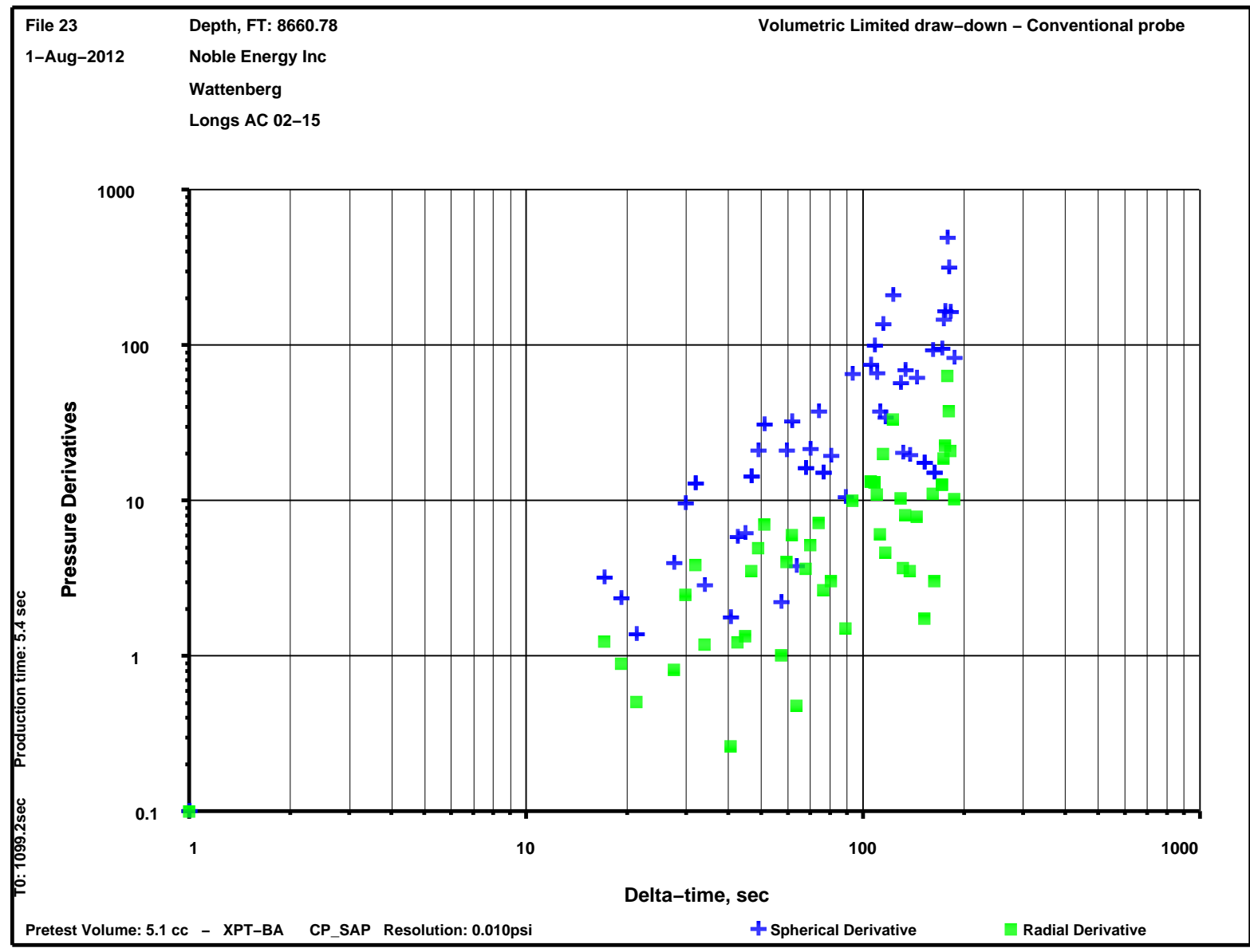
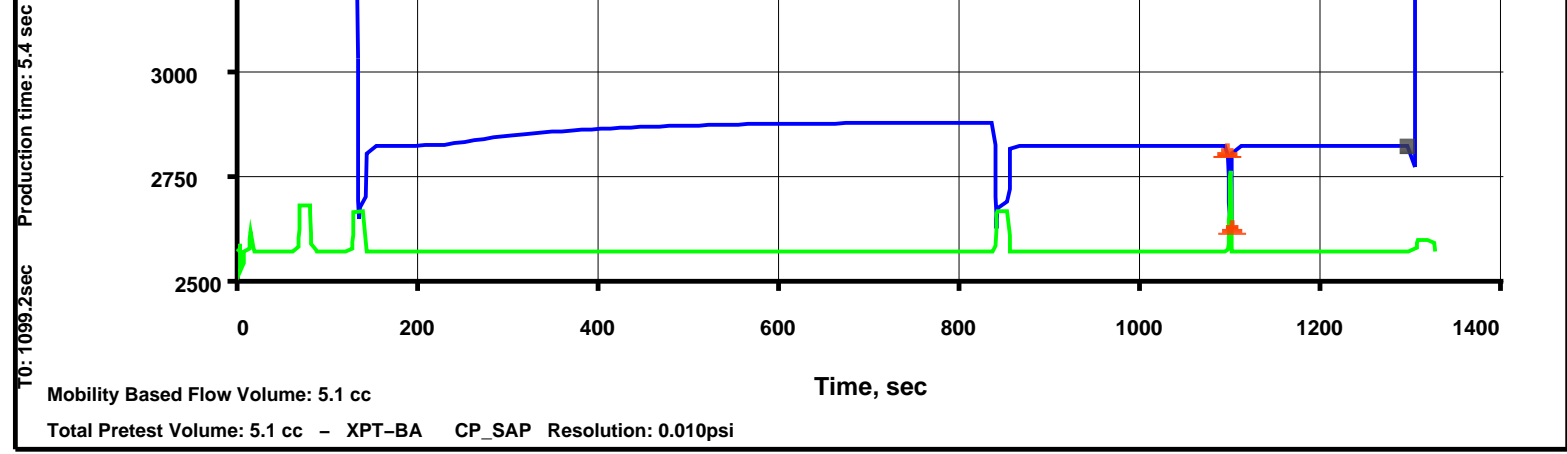
WHITE: No Action / COLORED: Action in progress
 Left to right:
 1. Set (Red)
 2. Pretest (Green)
 3. Retract (Blue)
 4. Init Pretest (Orange)
 5. ACom Calibration (Purple)

XPT Dynamic Compensation Status

Quartz Gauge Pressure not compensated and corrected
 Sapphire Gauge Pressure compensated and corrected
 Hydrostatic Sapphire Gauge Pressure compensated and corrected

Parameters

DLIS Name	Description	Value
XPT-BA: Xpress Pressure Tool - BA		
BTA_HYD	Hydrostatic Gauge Board Temperature A Coefficient	1.02887
BTA_SAP	Sapphire Board Temperature A Coefficient	1.01076
BTB_HYD	Hydrostatic Gauge Board Temperature B Coefficient	-0.000117137
BTB_SAP	Sapphire Board Temperature B Coefficient	0.000315698
BTCT_HYD	Hydrostatic Gauge Board Temperature Coefficients Read From Data Channels	



Company: Noble Energy Inc Well: Longs AC 02-15

Output DLIS Files

DEFAULT XPT_023LTP FN:22 PRODUCER 02-Aug-2012 05:55 8666.5 FT

XPT Event Summary

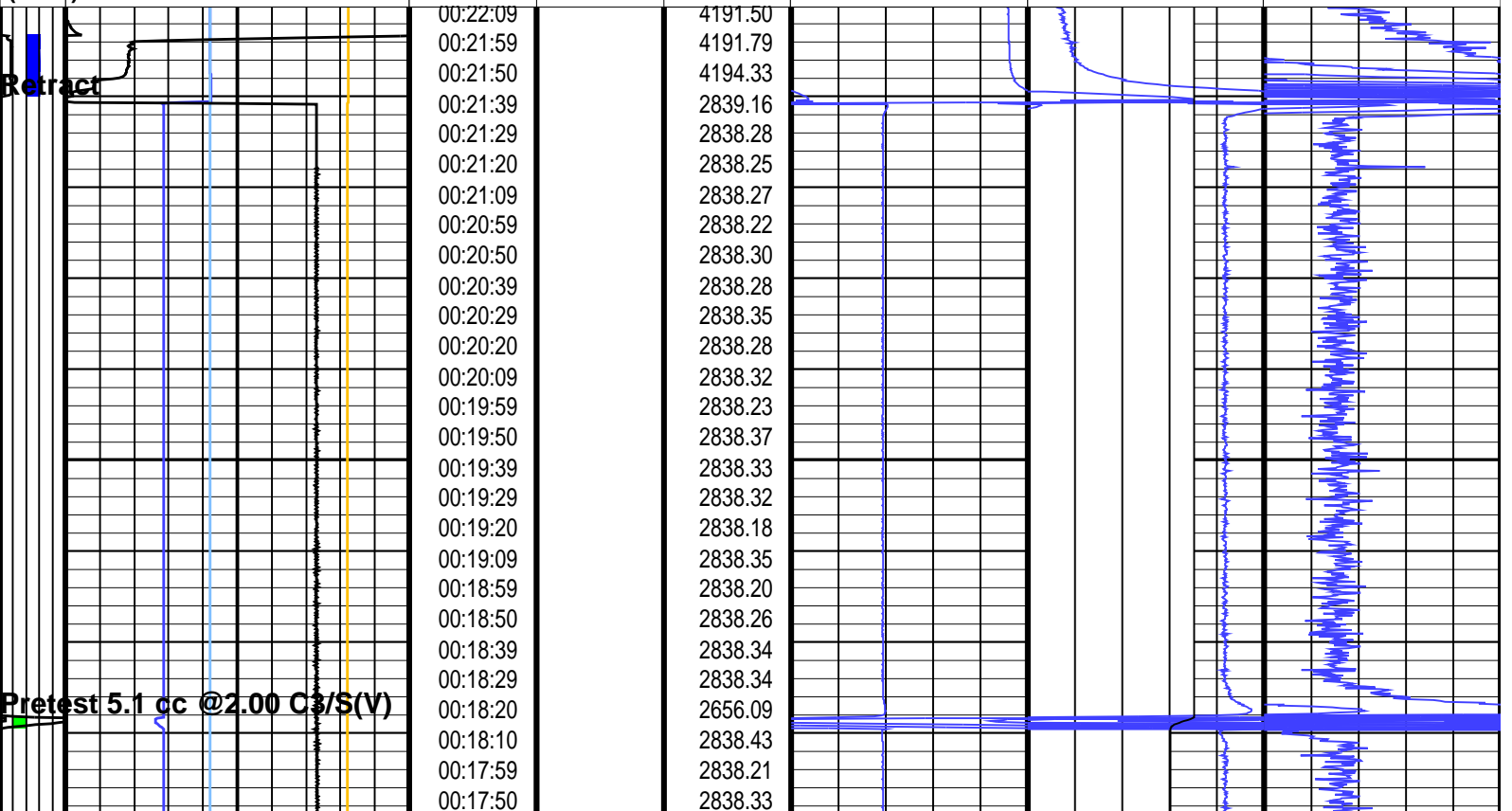
- At 69.0 seconds Set @8660.8 FT
- At 144.9 seconds Pretest 15.0 cc @1.00 C3/S(V) Volume Limit Reached
- At 855.9 seconds Pretest 15.0 cc @1.00 C3/S(V) Volume Limit Reached
- At 1100.7 seconds Pretest 5.1 cc @2.00 C3/S(V) Volume Limit Reached
- At 1304.4 seconds Retract

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
PRSP	2 C3/S	1 C3/S	8666.5 06:13:34
PTVO_XPT	4.97568 C3	15 C3	8666.5 06:13:17

XPT Oil Pressure Curve (HOILP) 0 (PSIA) 4000	Hydrostatic Pressure (CP_HYD) 0 (PSIA) 10000	PRETEST_VOLUME From XPT_7 to XPT_PTV_CURVE
XPT Motor Speed Curve (MSP_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIA) 10000	

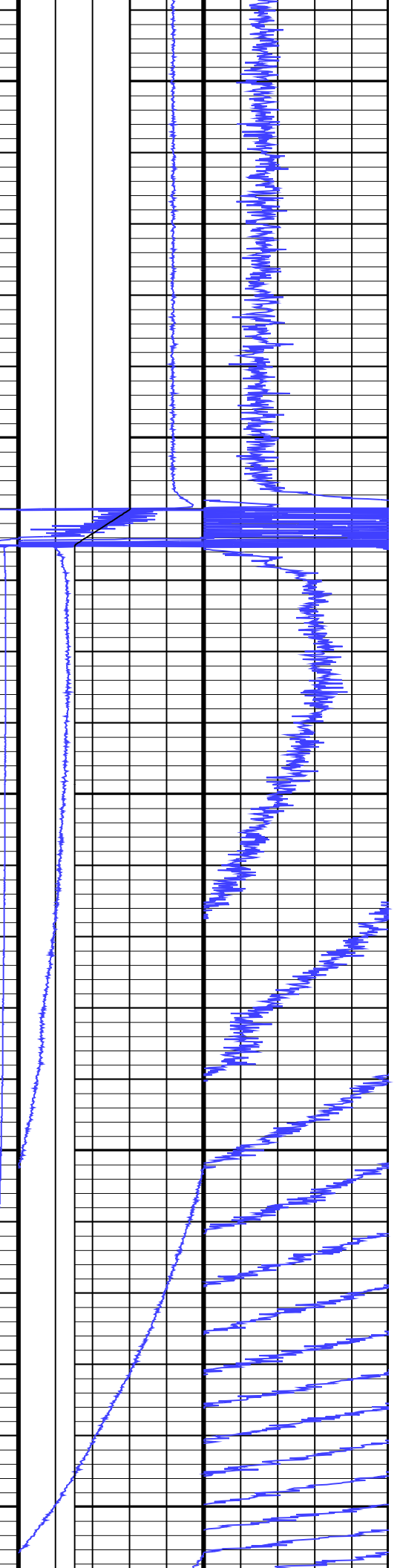
XPT Actions Image (AIM G)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S)	Sapphire Pressure (CP_SAP) (PSIA)	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 100	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 10	Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 1
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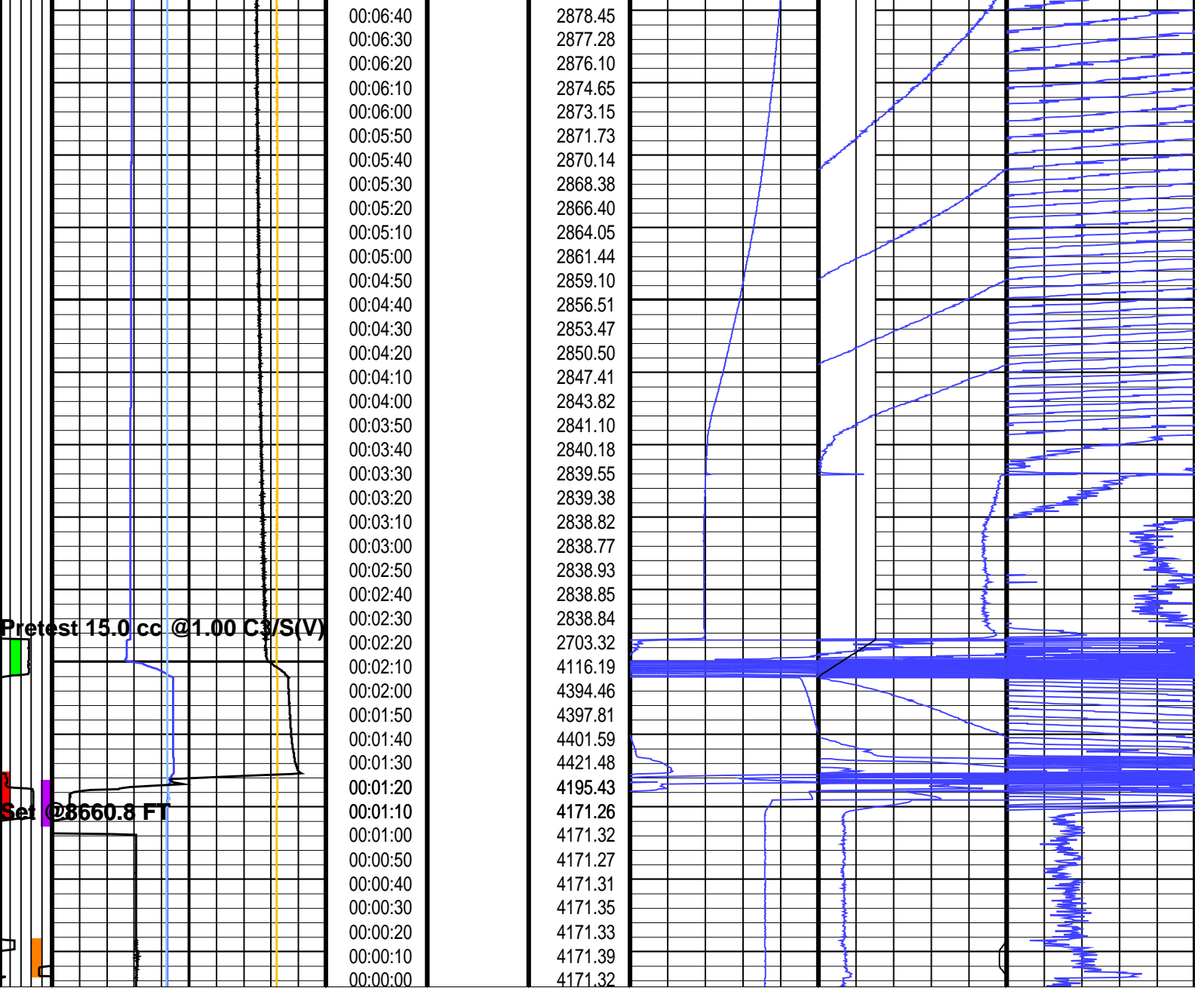


Pretest 15.0 cc @1.00 C3/S(V)

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00:16:59
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00:06:50

2838.32
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2884.51
2883.85
2883.14
2882.28
2881.39
2880.47
2879.45





Pretest 15.0 cc @1.00 C/S(V)

Set @8660.8 FT

	<p>Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300</p>	<p>XPT Time Log (ETIM_XPT) (S)</p>	<p>Sapphire Pressure (CP_SAP) (PSIA)</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 100</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 10</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 1</p>
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<p>XPT Motor Speed Curve (MSP_XPT) (RPM) 0 5000</p>	<p>Sapphire Pressure (CP_SAP) (PSIA) 0 10000</p>				<p>XPT Pretest Volume Curve (PTV_XPT) (C3) 0 50</p>	
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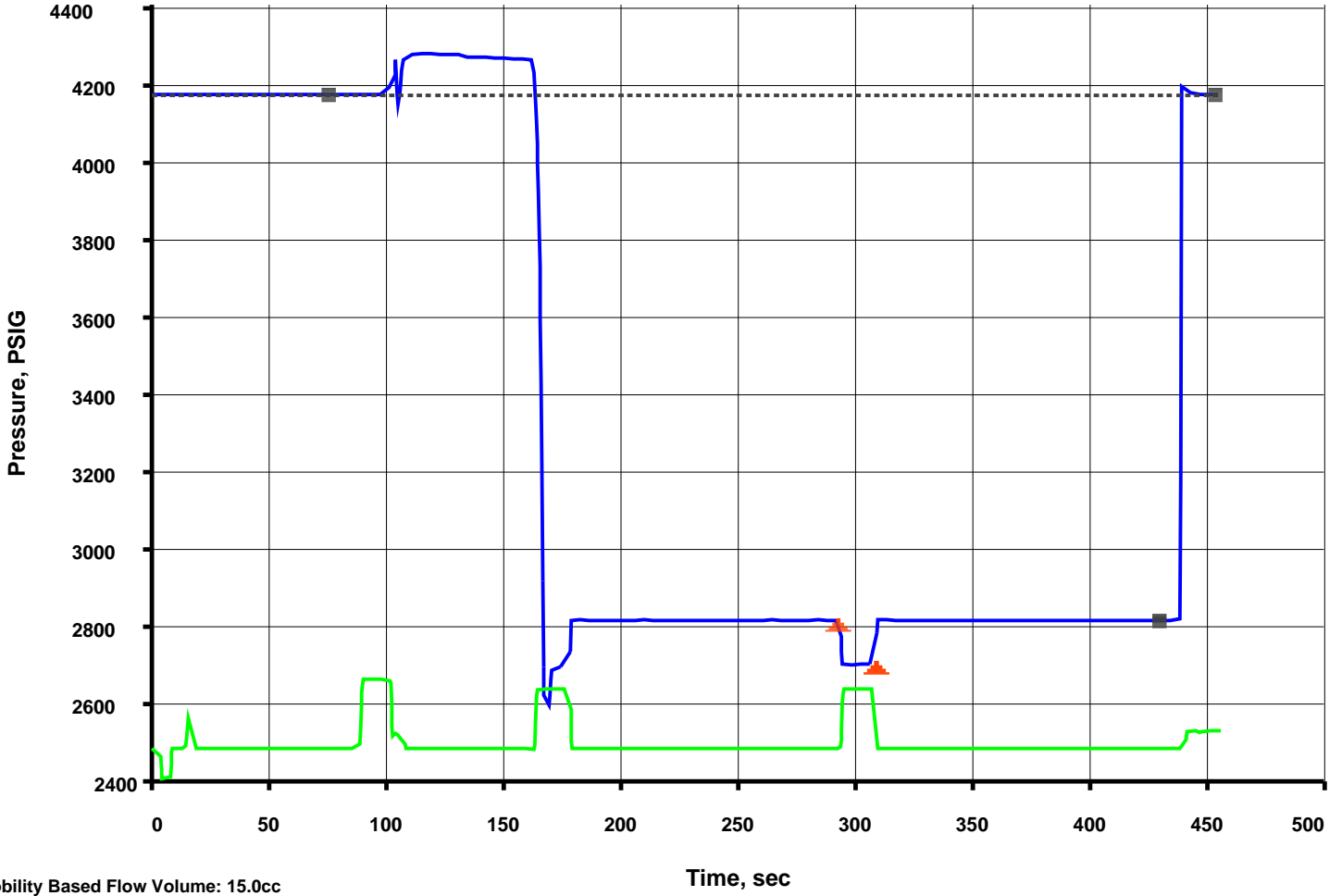
	<p>Hydrostatic Pressure (CP_HYD) (PSIA) 0 10000</p>				<p>PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE</p>	
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MAXIS Field Log

File 24 Depth, FT: 8641.71
 1-Aug-2012 Noble Energy Inc
 Wattenberg
 Longs AC 02-15

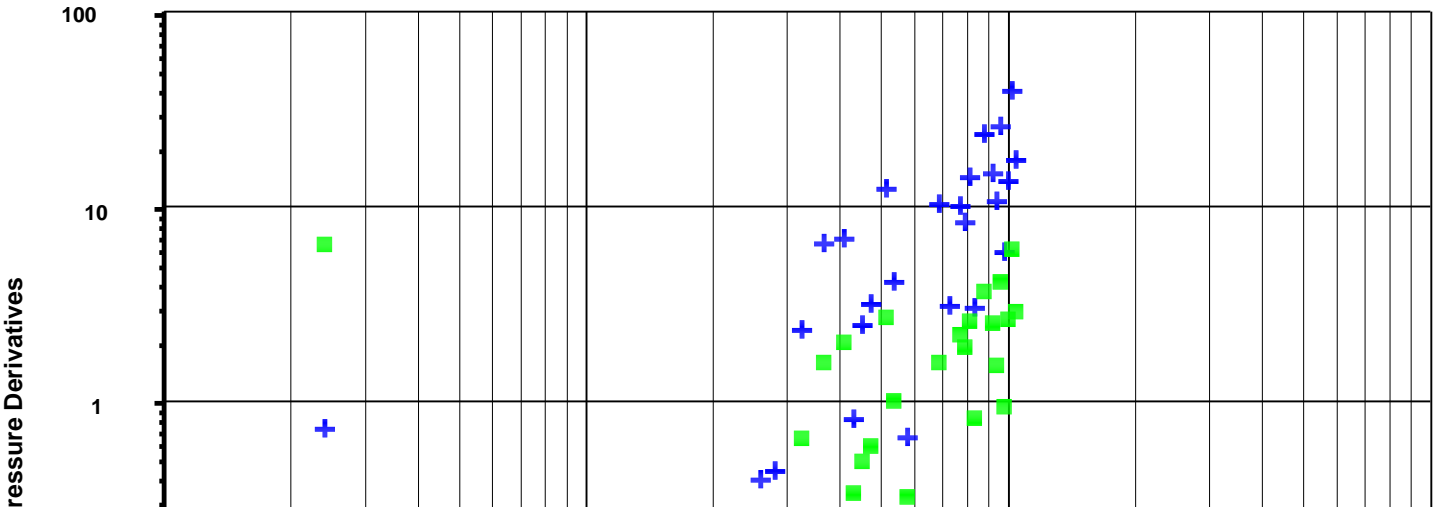
Volumetric Limited draw-down - Conventional probe

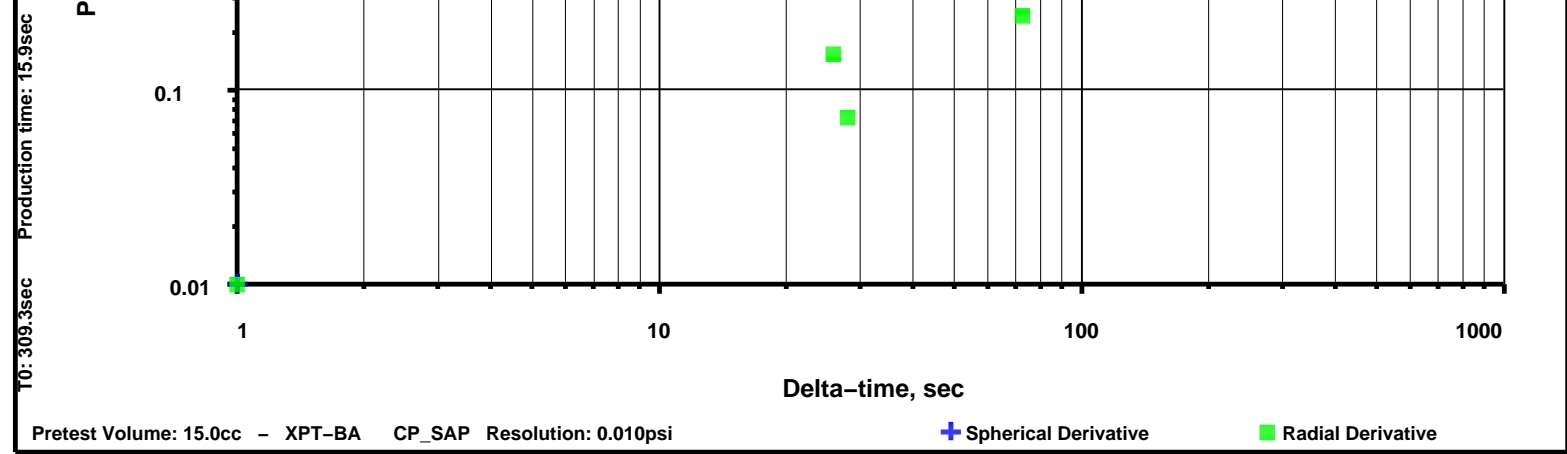
Mud Pressure before test, PSIG: 4167.38
 Mud Pressure after test, PSIG: 4167.09
 Last build-up pressure, PSIG: 2815.7
 Draw-down mobility, md/cp: 49.2



File 24 Depth, FT: 8641.71
 1-Aug-2012 Noble Energy Inc
 Wattenberg
 Longs AC 02-15

Volumetric Limited draw-down - Conventional probe





Company: Noble Energy Inc Well: Longs AC 02-15

Output DLIS Files

DEFAULT XPT_024LTP FN:23 PRODUCER 02-Aug-2012 06:23 8647.4 FT

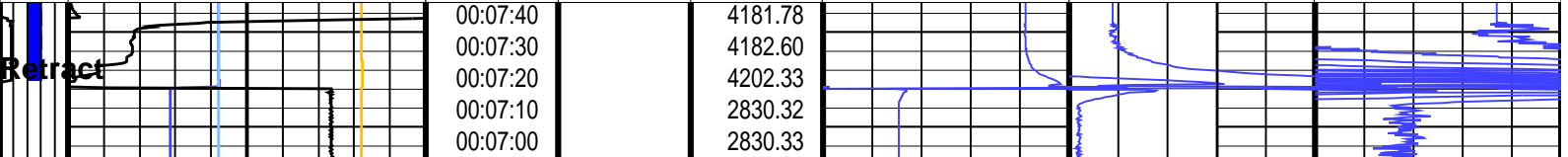
XPT Event Summary

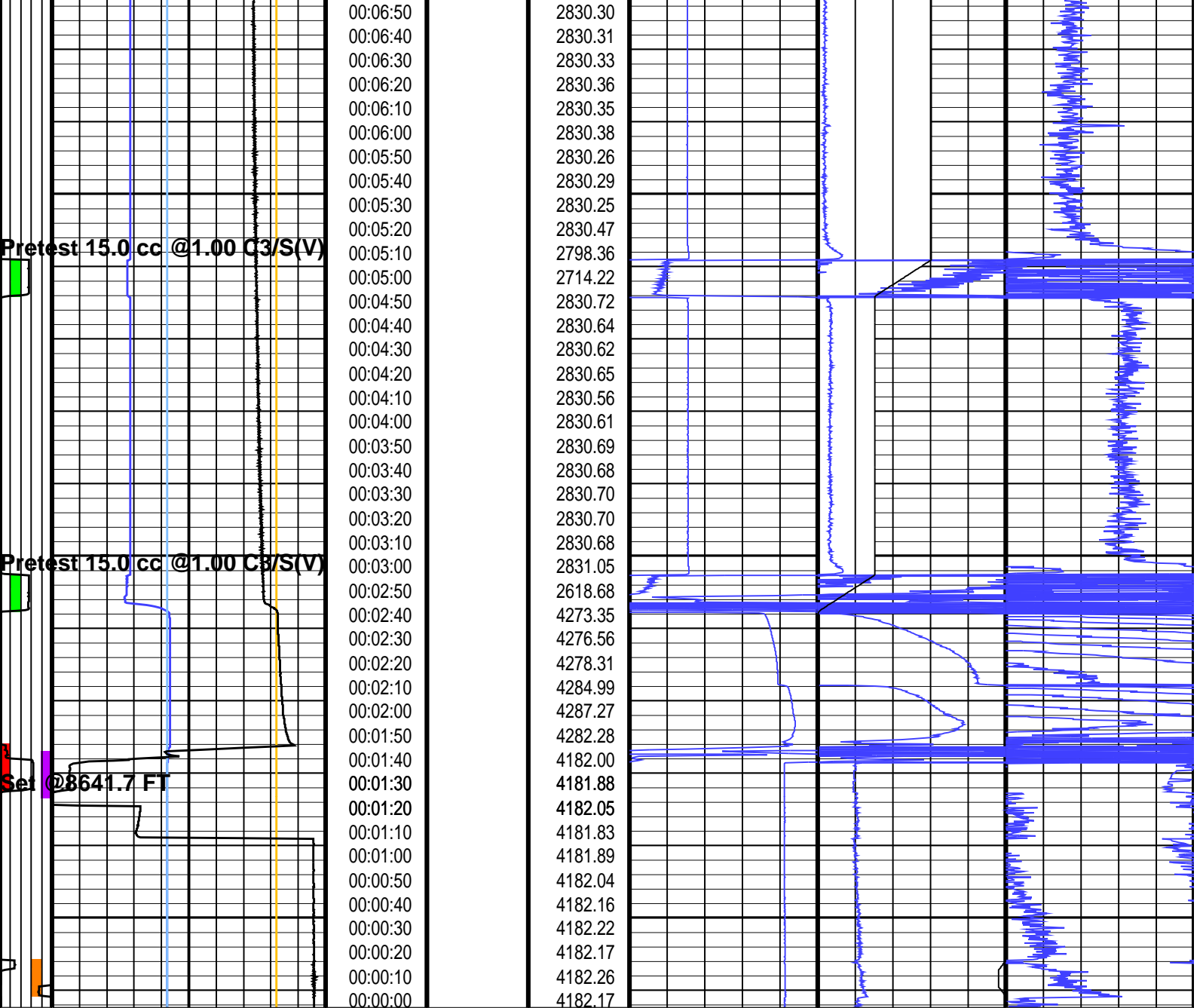
At 89.4 seconds	Set @8641.7 FT
At 180.3 seconds	Pretest 15.0 cc @1.00 C3/S(V) Volume Limit Reached
At 310.8 seconds	Pretest 15.0 cc @1.00 C3/S(V) Volume Limit Reached
At 441.6 seconds	Retract

OP System Version: 19C0-187

XPT-BA 19C0-187 EDTC-B 19C0-187

	XPT Oil Pressure Curve (HOILP) 0 (PSIA) 4000		
	Hydrostatic Pressure (CP_HYD) 0 (PSIA) 10000		PRETEST_VOLUME From XPT_7 to XPT_PTV_CURVE
XPT Motor Speed Curve (MSP_E_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIA) 10000		XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50
XPT Actions Image (AIMG) (---)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S)	Sapphire Pressure (CP_SAP) (PSIA) 0 100 Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 10 Sapphire Zoomed Pressure (CP_SAP) (PSIA) 0 1



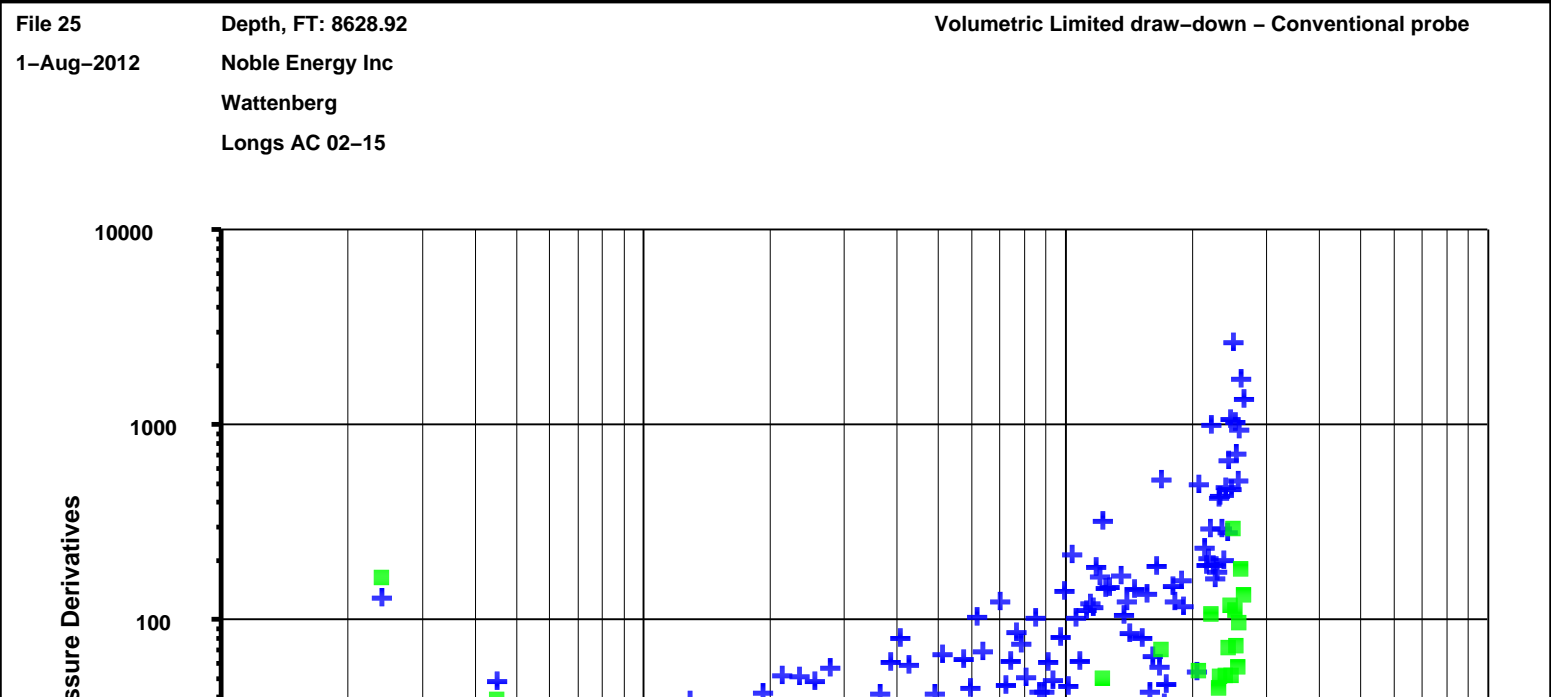
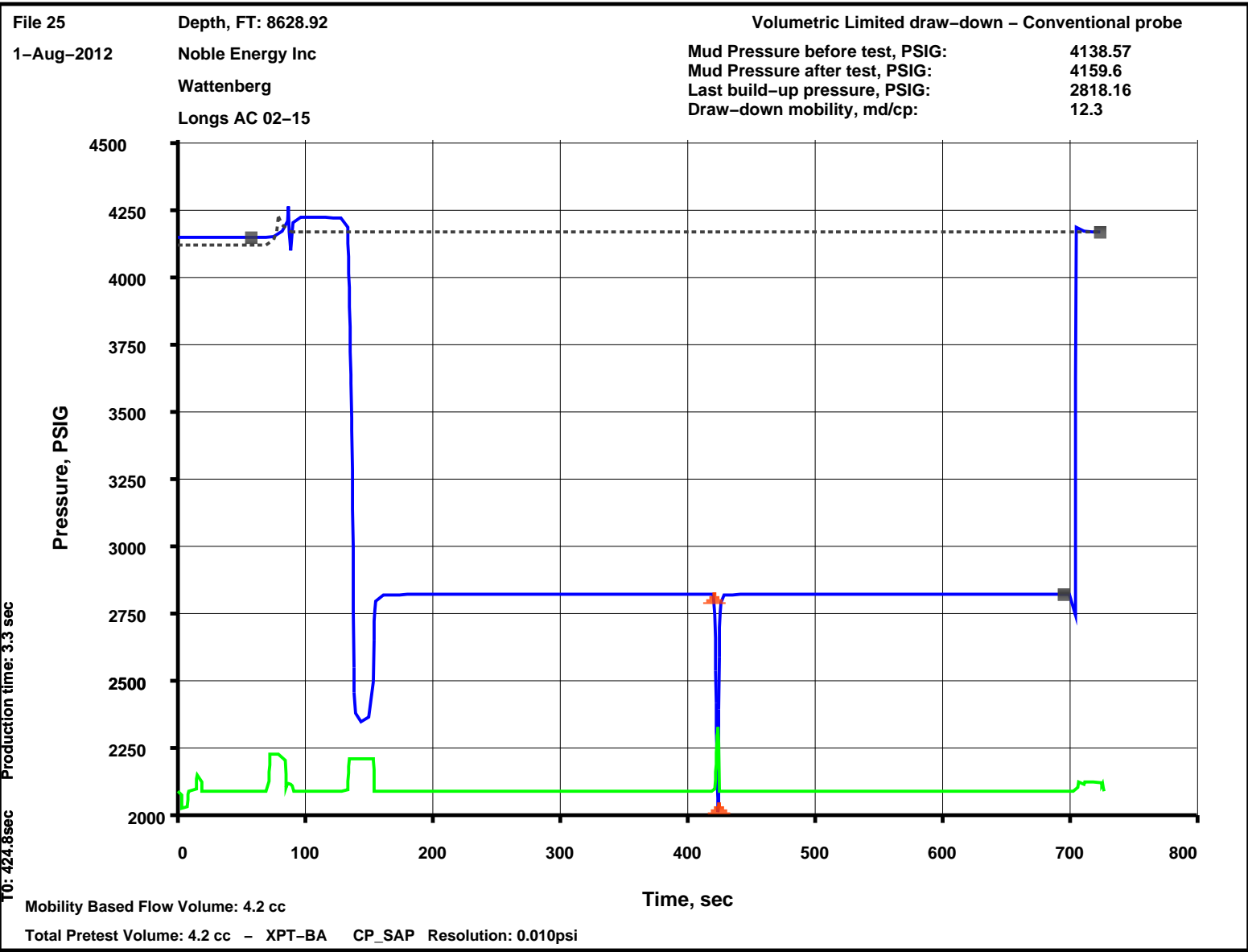


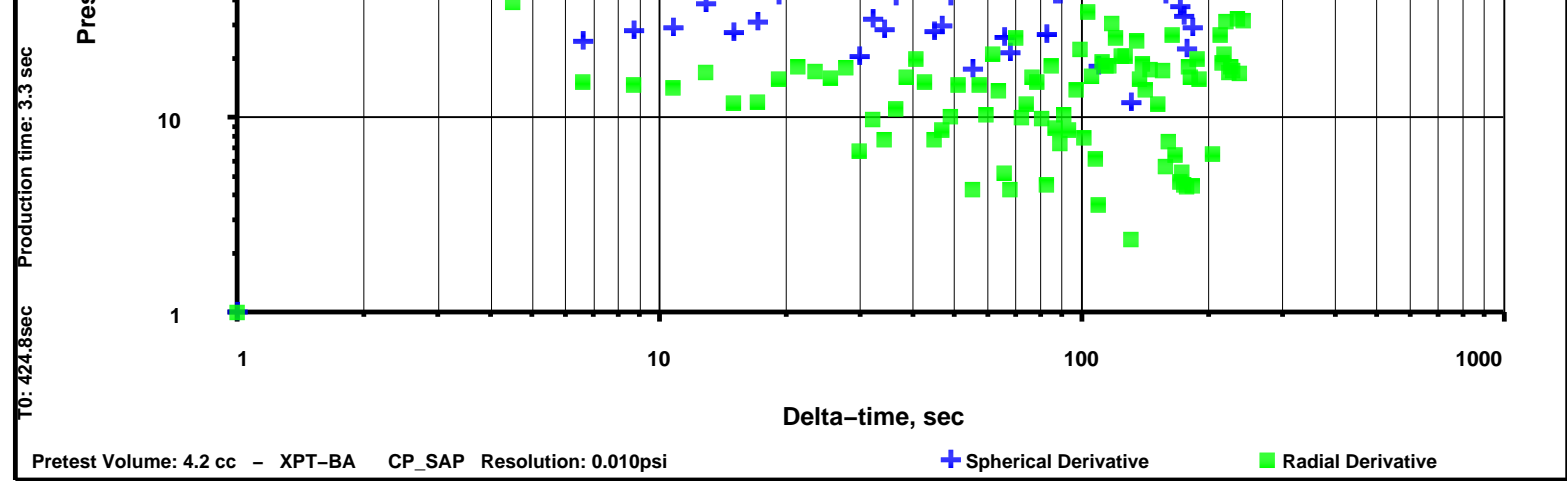
	<p>Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300</p>	<p>XPT Time Log (ETIM_XPT) (S)</p>	<p>Sapphire Pressure (CP_SAP) (PSIA)</p>	<p>Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 100</p>	<p>Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 10</p>	<p>Sapphire Zoomed Pressure (CP_SAP) 0 (PSIA) 1</p>
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<p>XPT Motor Speed Curve (MSP_XPT) (RPM) 0 5000</p>	<p>Sapphire Pressure (CP_SAP) 0 (PSIA) 10000</p>				<p>XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50</p>	
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	<p>Hydrostatic Pressure (CP_HYD) 0 (PSIA) 10000</p>				<p>PRETEST_VOLUME From XPT_7 to XPT_PTV_CURVE</p>	
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MAXIS Field Log





Company: Noble Energy Inc Well: Longs AC 02-15

Input DLIS Files

DEFAULT XPT_025LTP FN:24 PRODUCER 02-Aug-2012 06:42 8634.7 FT

Output DLIS Files

DEFAULT XPT_038PTP FN:37 PRODUCER 02-Aug-2012 10:15 8634.7 FT

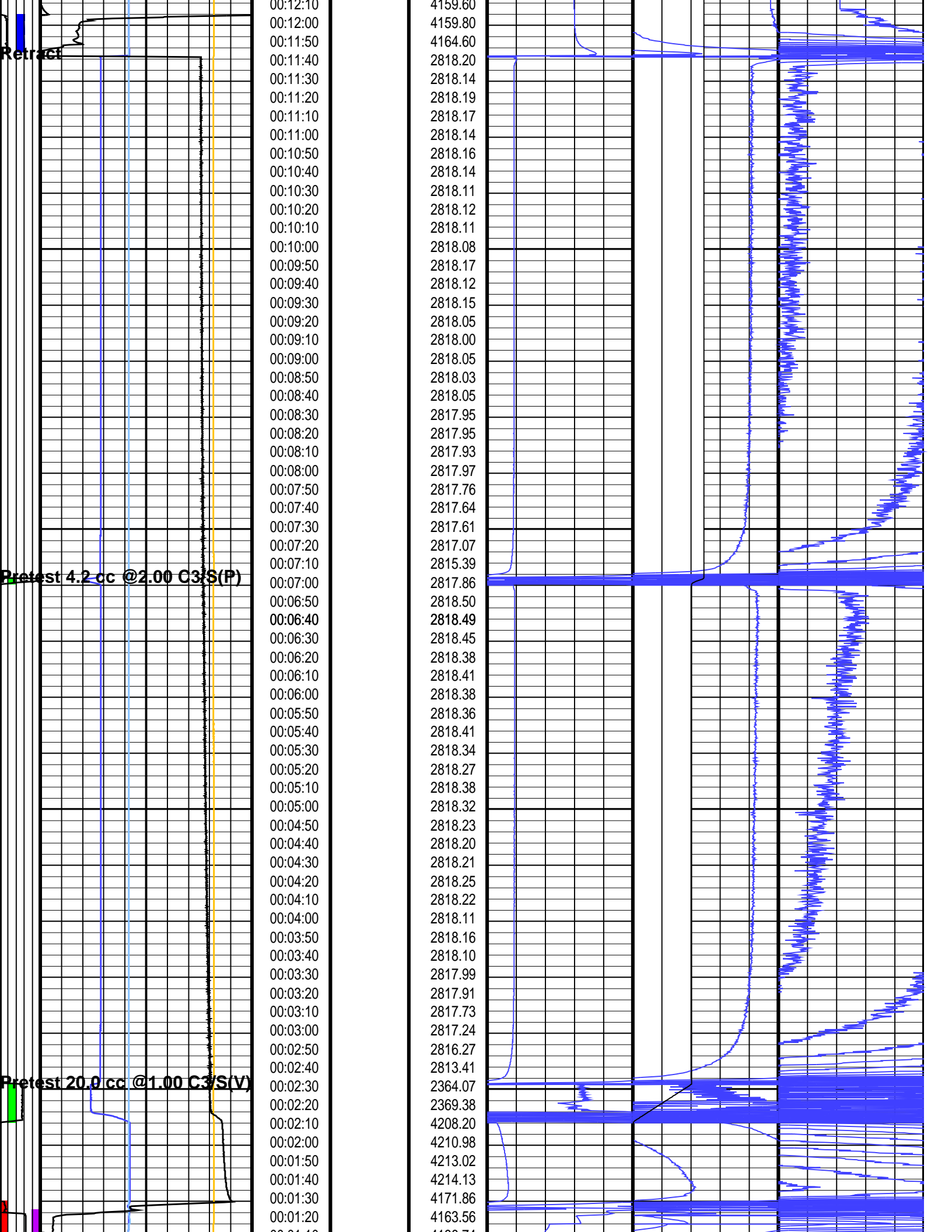
XPT Event Summary

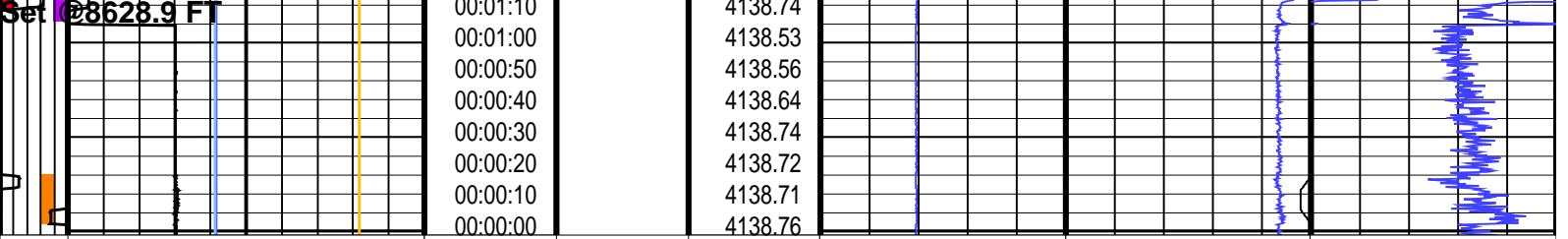
At 71.1 seconds Set @8628.9 FT
 At 155.1 seconds Pretest 20.0 cc @1.00 C3/S(V) Volume Limit Reached
 At 426.0 seconds Pretest 4.2 cc @2.00 C3/S(P) Pressure Limit Reached
 At 706.5 seconds Retract

OP System Version: 19C0-187

XPT-BA 19C0-187 EDTC-B 19C0-187

	XPT Oil Pressure Curve (HOILP) 0 (PSIG) 4000					
	Hydrostatic Pressure (CP_HYD) 0 (PSIG) 10000	PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE				
XPT Motor Speed Curve (MSP E_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIG) 10000	XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50				
XPT Actions Image (AIMG) (----)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S)	Sapphire Pressure (CP_SAP) (PSIG)	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIG) 100	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIG) 10	Sapphire Zoomed Pressure (CP_SAP) 0 (PSIG) 1





 XPT Actions Image (AIMG) (----)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S)	Sapphire Pressure (CP_SAP) (PSIG)	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 100	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 10	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 1
	Sapphire Pressure (CP_SAP) (PSIG) 0 10000		XPT Pretest Volume Curve (PTV_XPT) (C3) 0 50			
	Hydrostatic Pressure (CP_HYD) (PSIG) 0 10000		PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE			
	XPT Oil Pressure Curve (HOILP) (PSIG) 0 4000					

XPT Actions Image

WHITE: No Action / COLORED: Action in progress
 Left to right:

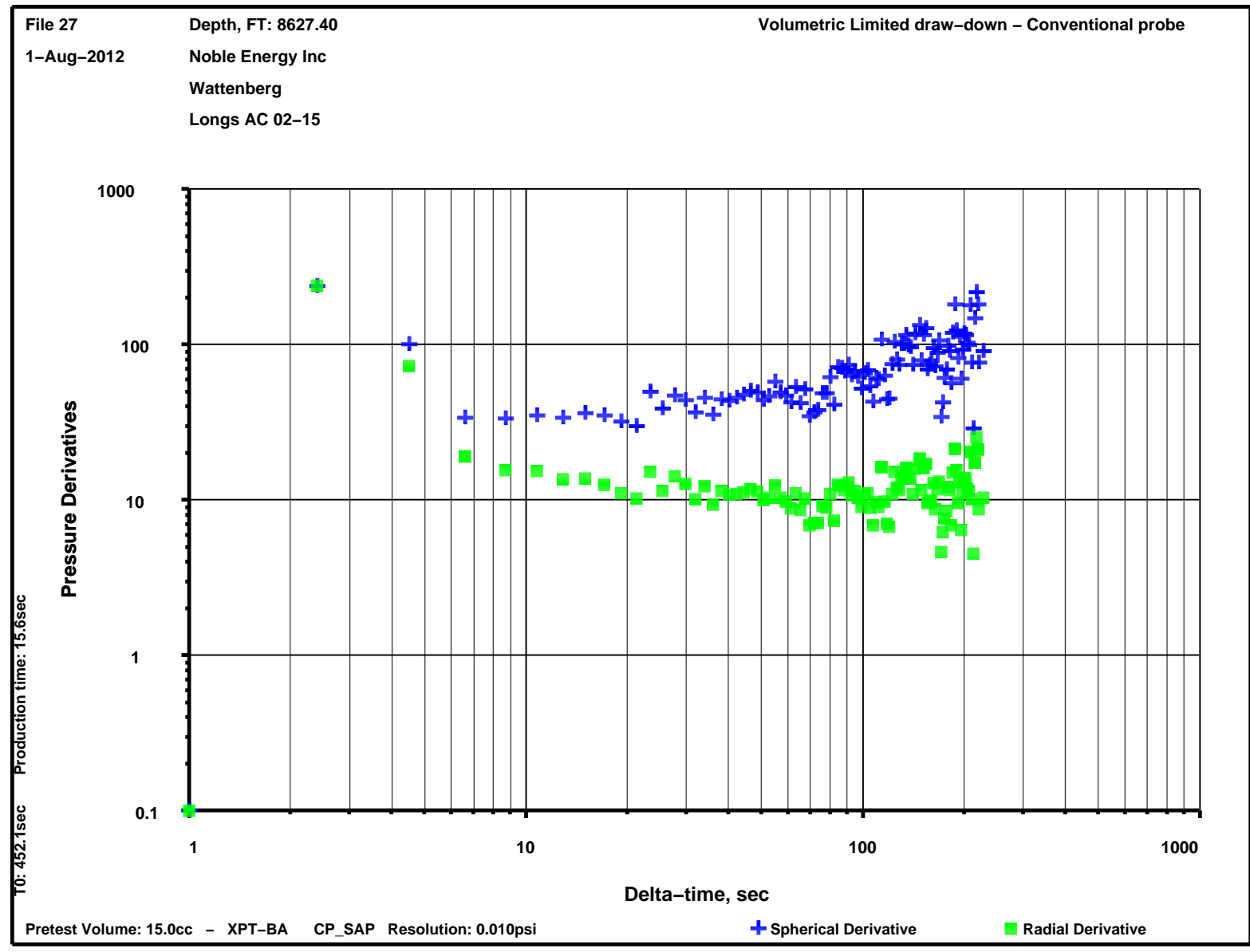
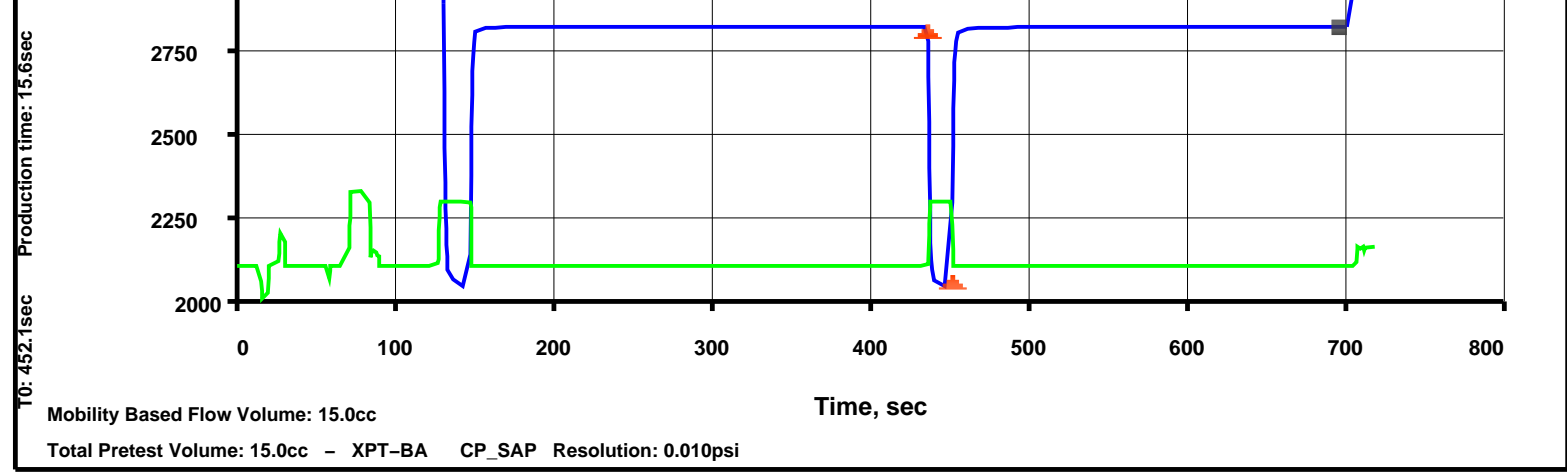
1. Set (Red)
2. Pretest (Green)
3. Retract (Blue)
4. Init Pretest (Orange)
5. ACom Calibration (Purple)

XPT Dynamic Compensation Status

Quartz Gauge Pressure not compensated and corrected
 Sapphire Gauge Pressure compensated and corrected
 Hydrostatic Sapphire Gauge Pressure compensated and corrected

Parameters

DLIS Name	Description	Value	
XPT-BA: Xpress Pressure Tool - BA			
BTA_HYD	Hydrostatic Gauge Board Temperature A Coefficient	1.02887	
BTA_SAP	Sapphire Board Temperature A Coefficient	1.01076	
BTB_HYD	Hydrostatic Gauge Board Temperature B Coefficient	-0.000116366	
BTB_SAP	Sapphire Board Temperature B Coefficient	0.000316456	
BTCT_HYD	Hydrostatic Gauge Board Temperature Coefficients Read From Data Channels	YES	
BTCT_SAP	Sapphire Board Temperature Coefficients Read Fram Data Channels	YES	
DDPL_XPT	Pretest Drawdown Limit	2000	PSIG
DEVI_FL_CORR_XPT	Tool Deviation Angle	0	DEG
FLD_XPT	Flowline Density	1	G/C3
GDSV	Gauges Downhole Software Version	2.1	



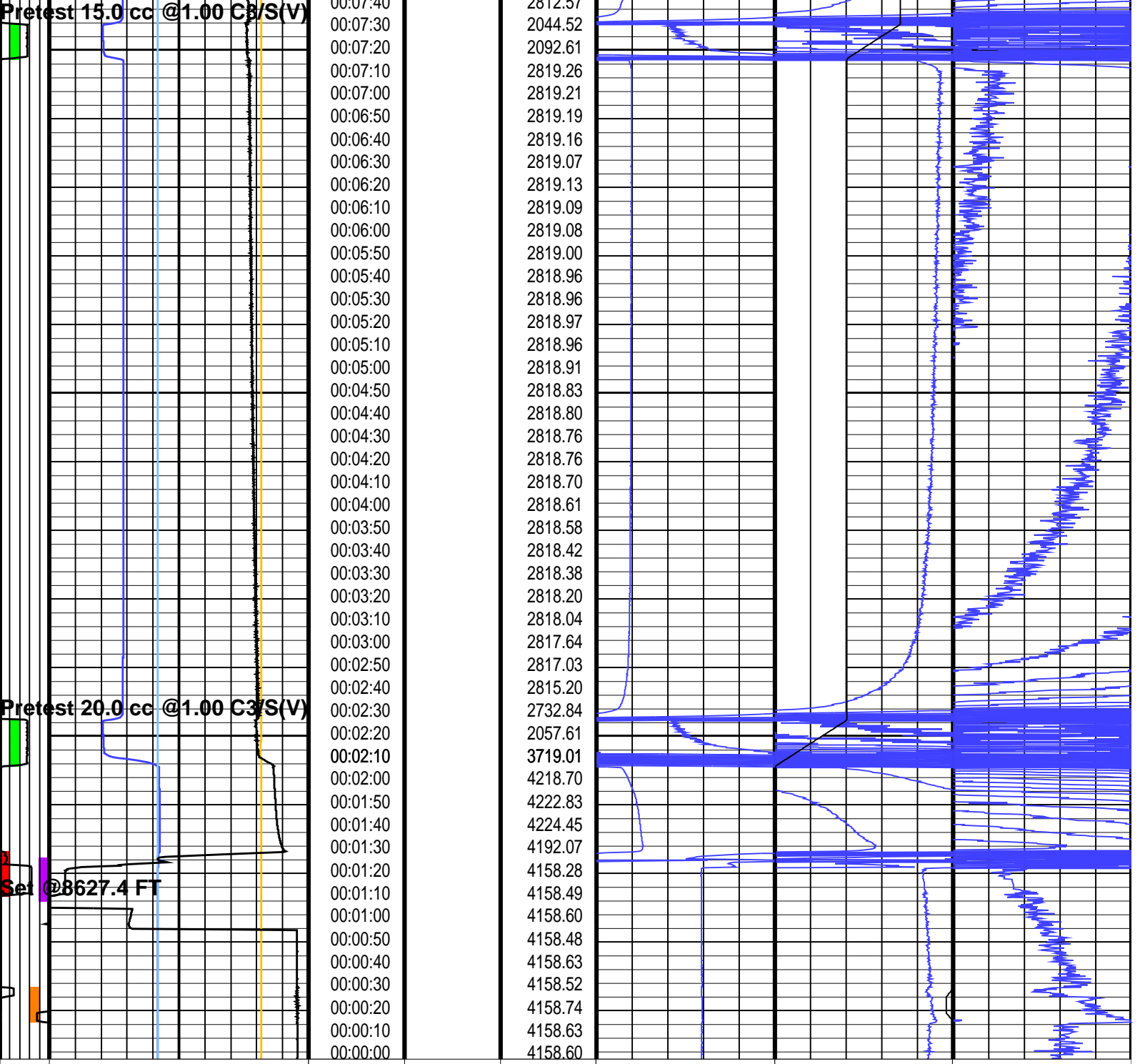
Company: Noble Energy Inc Well: Longs AC 02-15

Output DLIS Files

DEFAULT XPT_027LTP FN:26 PRODUCER 02-Aug-2012 07:09 8633.1 FT

XPT Event Summary

- At 71.1 seconds Set @8627.4 FT
- At 149.4 seconds Pretest 20.0 cc @1.00 C3/S(V) Volume Limit Reached
- At 453.9 seconds Pretest 15.0 cc @1.00 C3/S(V) Volume Limit Reached
- At 707.7 seconds Retract

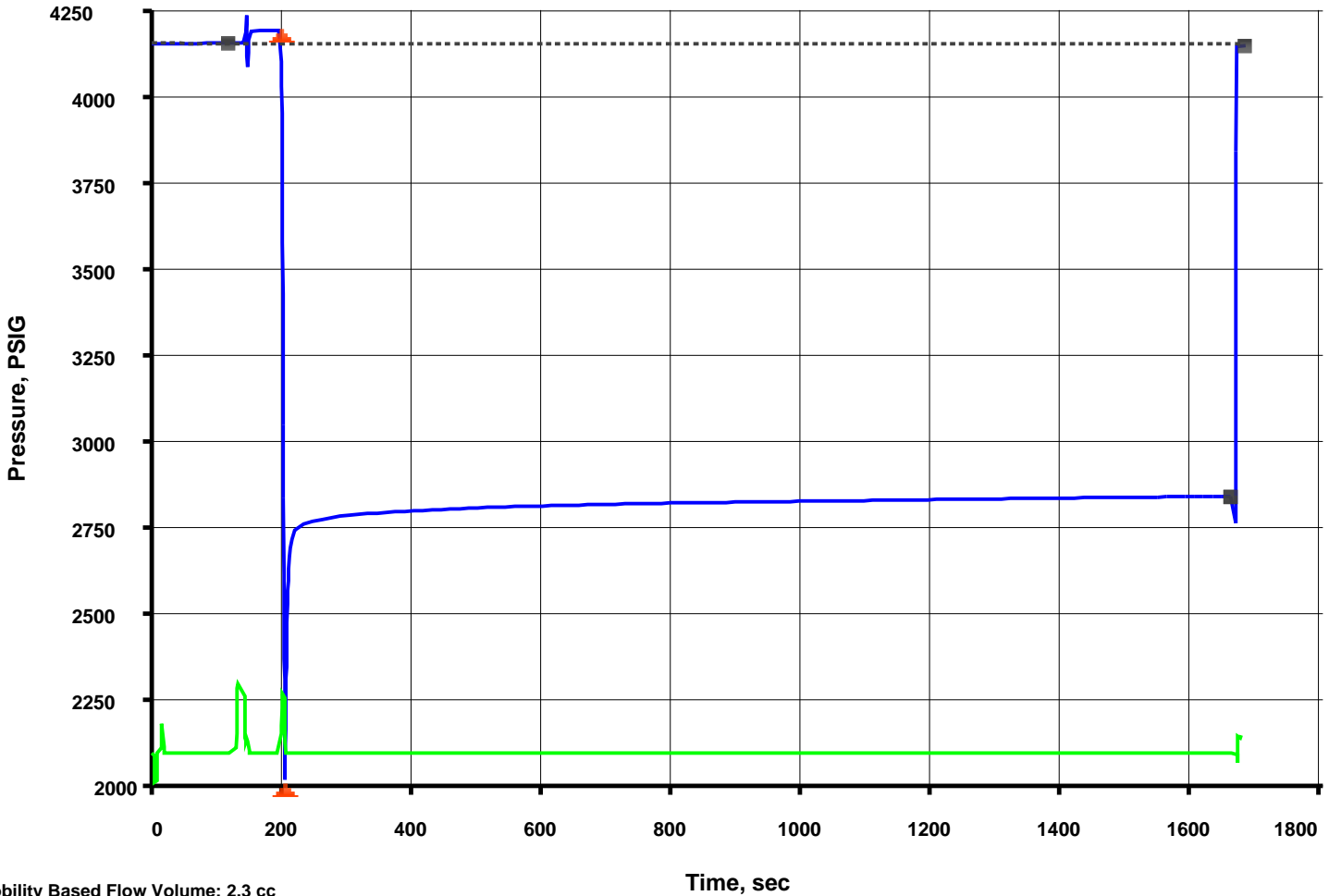


<p>XPT Action Image (AIM G) (---)</p>	<p>Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300</p>	<p>XPT Time Log (ETIM_XPT) (S)</p>	<p>Sapphire Pressure (CP_SAP) (PSIG)</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 100</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 10</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 1</p>
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<p>XPT Motor Speed Curve (MSP_XPT) (RPM) 0</p>	<p>Sapphire Pressure (CP_SAP) (PSIG) 0 10000</p>	<p>XPT Pretest Volume Curve (PTV_XPT) (C3) 0 50</p>
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MAXIS Field Log

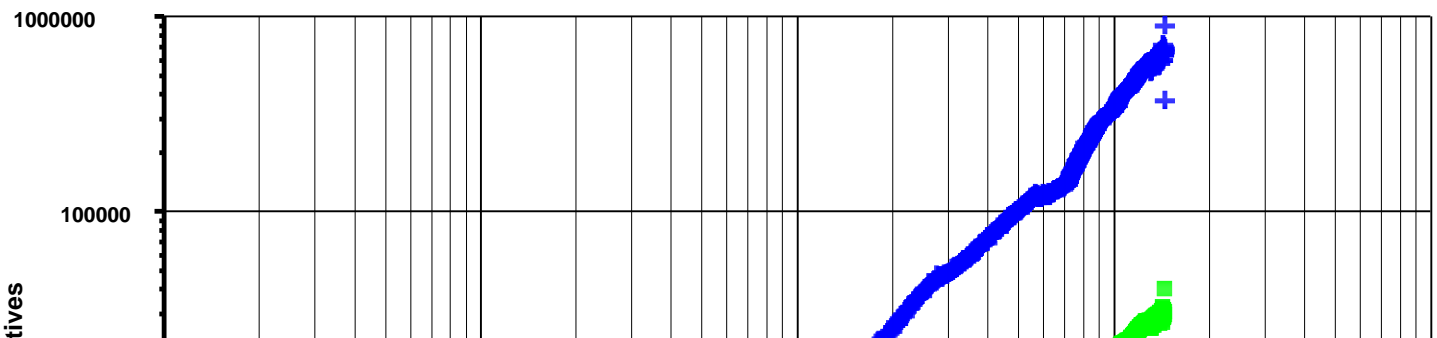
File 31 Depth, FT: 8623.23 Volumetric Limited draw-down - Conventional probe
 1-Aug-2012 Noble Energy Inc Mud Pressure before test, PSIG: 4153.24
 Wattenberg Mud Pressure after test, PSIG: 4146.75
 Longs AC 02-15 Last build-up pressure, PSIG: 2840.57
 Draw-down mobility, md/cp: 0.4

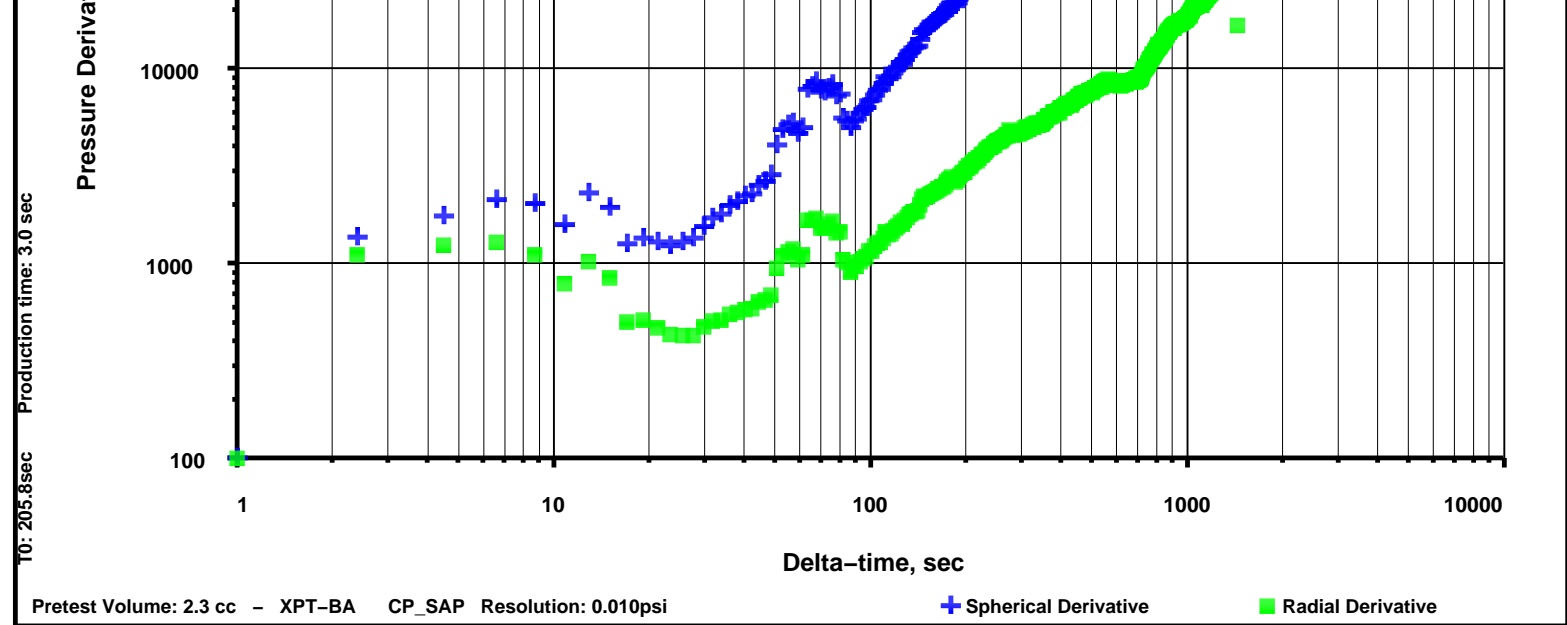


T0: 205.8sec Production time: 3.0 sec

Mobility Based Flow Volume: 2.3 cc
 Total Pretest Volume: 5.3 cc - XPT-BA CP_SAP Resolution: 0.010psi

File 31 Depth, FT: 8623.23 Volumetric Limited draw-down - Conventional probe
 1-Aug-2012 Noble Energy Inc
 Wattenberg
 Longs AC 02-15





Company: Noble Energy Inc Well: Longs AC 02-15

Output DLIS Files

DEFAULT XPT_031LTP FN:30 PRODUCER 02-Aug-2012 08:01 8629.0 FT

XPT Event Summary

At 131.4 seconds Set @8623.2 FT
 At 207.0 seconds Pretest 5.3 cc @1.00 C3/S(P) Pressure Limit Reached
 At 1668.6 seconds Retract

OP System Version: 19C0-187

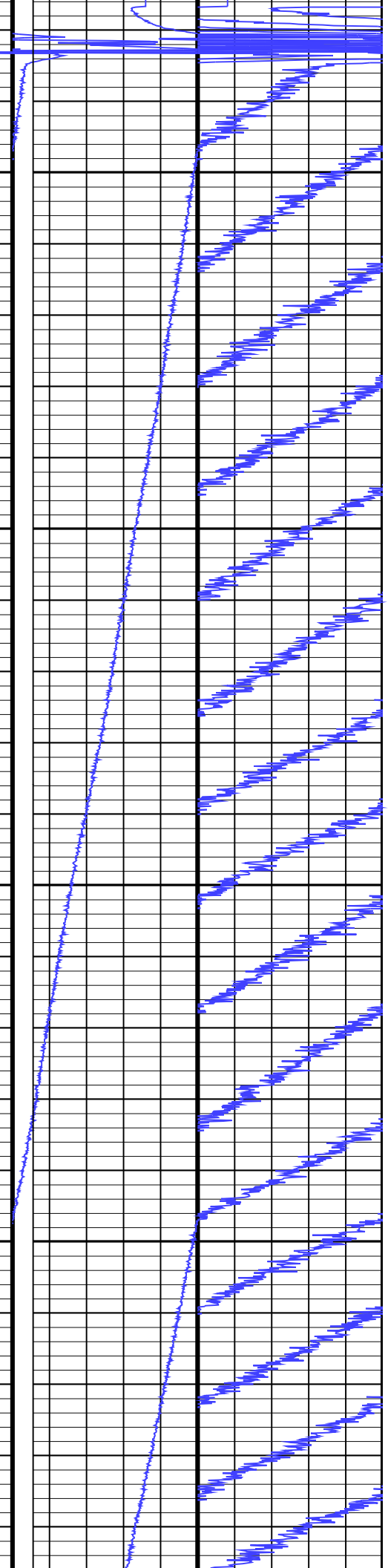
XPT-BA 19C0-187 EDTC-B 19C0-187

	XPT Oil Pressure Curve (HOILP) 0 (PSIG) 4000				
	Hydrostatic Pressure (CP_HYD) 0 (PSIG) 10000	PRETEST_VOLUME From XPT_7 to XPT_PTV_CURVE			
XPT Motor Speed Curve (MSP_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIG) 10000	XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50			
 XPT Actions Image (AIMG) 0 300	XPT Time Log (ETIM_XPT) (S) 00.20.09	Sapphire Pressure (CP_SAP) (PSIG) 4147.10	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 100	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 10	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 1

Retract

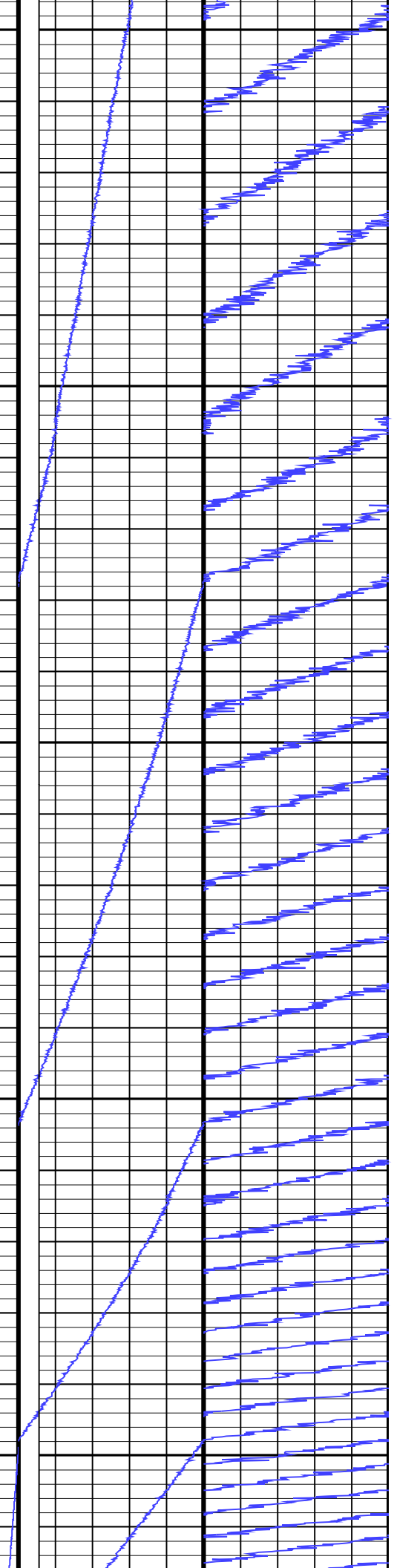
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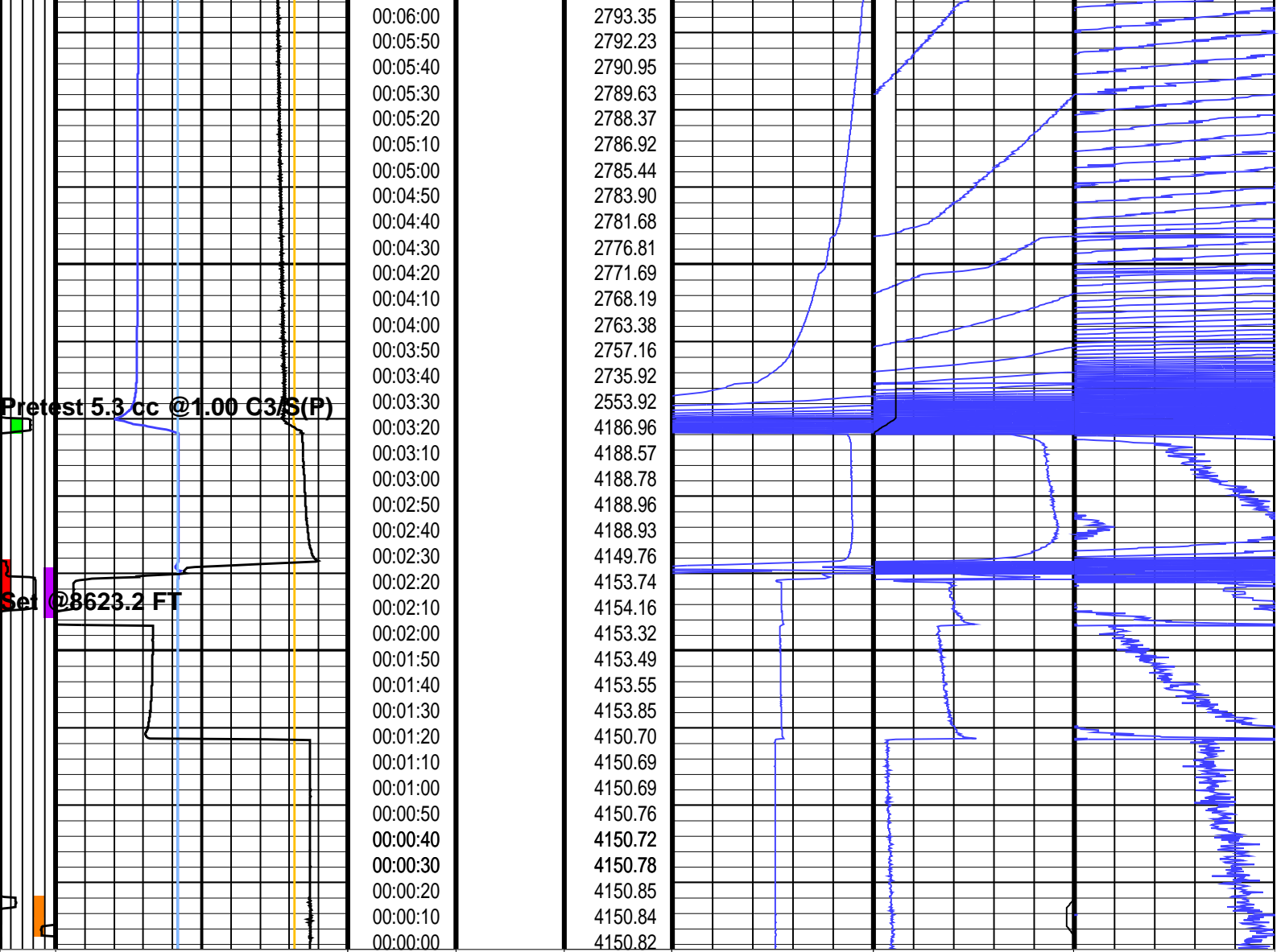
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2808.37
2807.88
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2806.41
2805.73
2804.95
2804.16
2803.26
2802.45
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2799.65
2798.77
2797.82
2796.75
2795.79
2794.85





<p>XPT Actions Image (AIM G) (-----)</p> <p>Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300</p>	<p>XPT Time Log (ETIM_XPT) (S)</p>	<p>Sapphire Pressure (CP_SAP) (PSIG)</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 100</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 10</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 1</p>
--	------------------------------------	--	---	--	---

<p>XPT Motor Speed Curve (MSP_E_XPT) (RPM) 0 5000</p> <p>Sapphire Pressure (CP_SAP) (PSIG) 0 10000</p>				<p>XPT Pretest Volume Curve (PTV_XPT) (C3) 0 50</p>	
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<p>Hydrostatic Pressure (CP_HYD) (PSIG) 0 10000</p> <p>XPT Oil Pressure Curve (HOILP) (PSIG) 0 4000</p>				<p>PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE</p>	
---	--	--	--	---	--

XPT Actions Image

WHITE: No Action / COLORED: Action in progress

Left to right:

1. Set (Red)
2. Pretest (Green)
3. Retract (Blue)
4. Init Pretest (Orange)
5. ACom Calibration (Purple)

XPT Dynamic Compensation Status

Quartz Gauge Pressure not compensated and corrected
 Sapphire Gauge Pressure compensated and corrected
 Hydrostatic Sapphire Gauge Pressure compensated and corrected

Parameters

DLIS Name	Description	Value	
XPT-BA: Xpress Pressure Tool - BA			
BTA_HYD	Hydrostatic Gauge Board Temperature A Coefficient	1.02886	
BTA_SAP	Sapphire Board Temperature A Coefficient	1.01075	
BTB_HYD	Hydrostatic Gauge Board Temperature B Coefficient	-0.000116366	
BTB_SAP	Sapphire Board Temperature B Coefficient	0.000317212	
BTCT_HYD	Hydrostatic Gauge Board Temperature Coefficients Read From Data Channels	YES	
BTCT_SAP	Sapphire Board Temperature Coefficients Read From Data Channels	YES	
DDPL_XPT	Pretest Drawdown Limit	2000	PSIG
DEVI_FL_CORR_XPT	Tool Deviation Angle	0	DEG
FLD_XPT	Flowline Density	1	G/C3
GDSV	Gauges Downhole Software Version	2.1	
GDYCO	Sapphire Dynamic Compensation Applied	YES	
PAC_SAP	Sapphire Gauge Pressure A Coefficient	1.00126	
PA_HYD	Hydrostatic Gauge Pressure A Coefficient	1.00306	
PBC_SAP	Sapphire Gauge Pressure B Coefficient	0.000390729	
PB_HYD	Hydrostatic Gauge Pressure B Coefficient	0.000211869	
PCT_HYD	Hydrostatic Gauge Pressure Coefficients Read From Data Channels	YES	
PCT_SAP	Sapphire Pressure Coefficients Read From Data Channels	YES	
PDCO_XPT	XPT Probe Depth Correction Offset	0	FT
PGSR	Pressure Gauges Sampling Rate	300	ms
PRSP	Pretest Rate	1	C3/S
PTM_XPT	Pretest Type	MANUAL	
PTVO_XPT	Pretest Volume	20	C3
TAC_SAP	Sapphire Gauge Temperature A Coefficient	1.001	
TA_HYD	Hydrostatic Gauge Temperature A Coefficient	1.01598	
TBC_SAP	Sapphire Gauge Temperature B Coefficient	-1.49953e-006	
TB_HYD	Hydrostatic Gauge Temperature B Coefficient	-0.000286129	
TCT_HYD	Hydrostatic Gauge Temperature Coefficients Read >From Data Channels	YES	
TCT_SAP	Sapphire Temperature Coefficients Read From Data Channels	YES	

Format: XPT_StationLog Vertical Scale: 1" per 60S Graphics File Created: 02-Aug-2012 08:01

OP System Version: 19C0-187

XPT-BA 19C0-187 EDTC-B 19C0-187

Output DLIS Files

DEFAULT XPT_031LTP FN:30 PRODUCER 02-Aug-2012 08:01

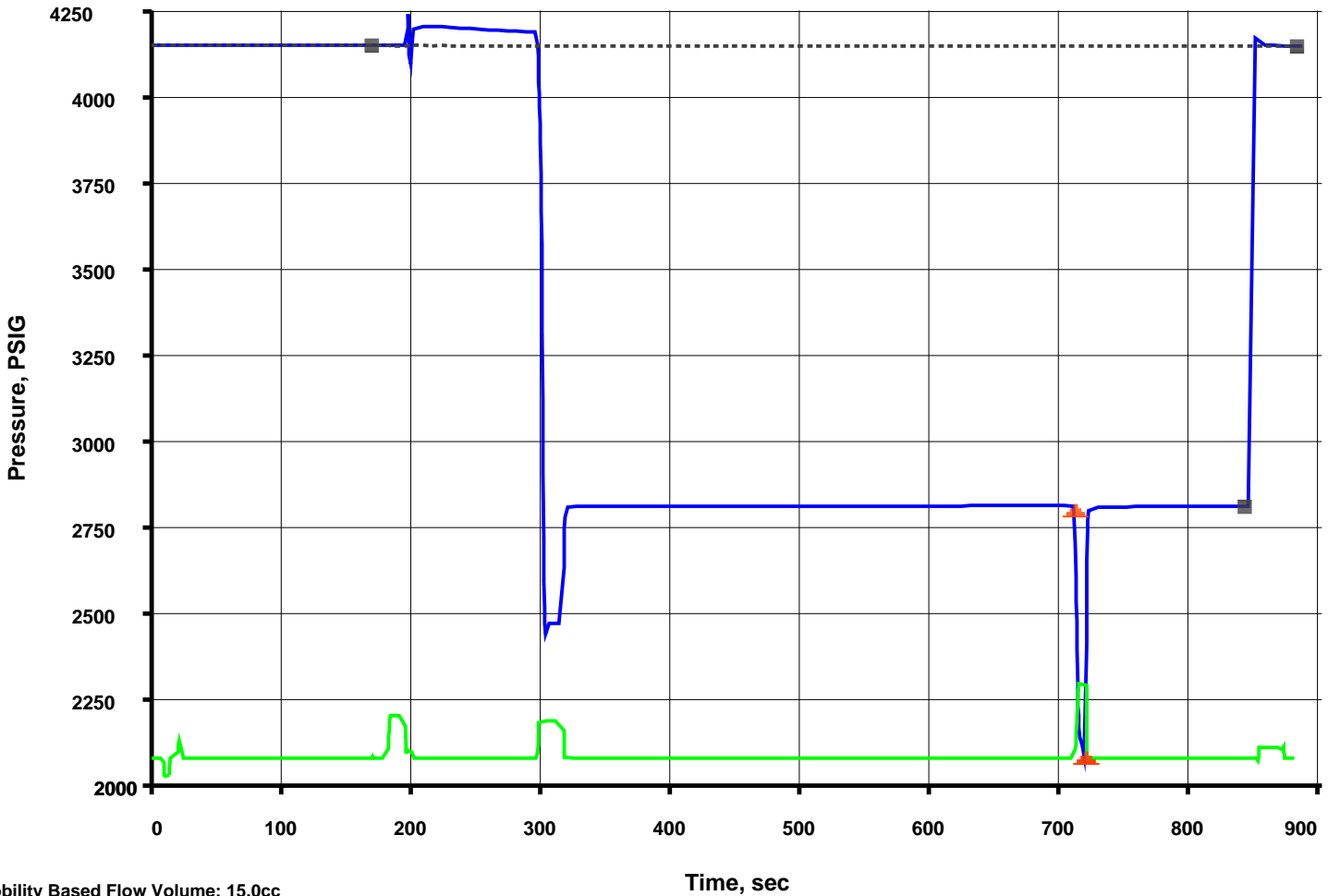


Pretest at 8619.45

File 34 Depth, FT: 8619.45
 1-Aug-2012 Noble Energy Inc
 Wattenberg
 Longs AC 02-15

Volumetric Limited draw-down - Conventional probe

Mud Pressure before test, PSIG: 4148.52
 Mud Pressure after test, PSIG: 4146.72
 Last build-up pressure, PSIG: 2810.72
 Draw-down mobility, md/cp: 15.8

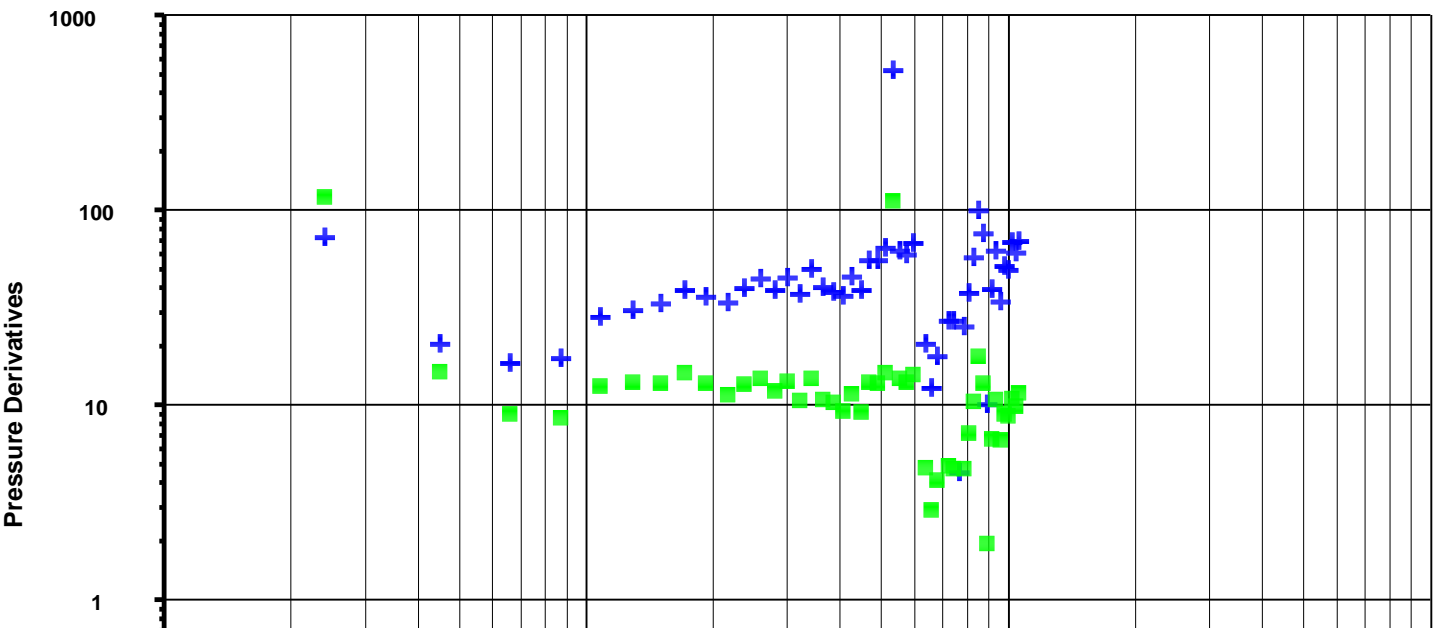


T0: 718.8sec Production time: 8.7 sec

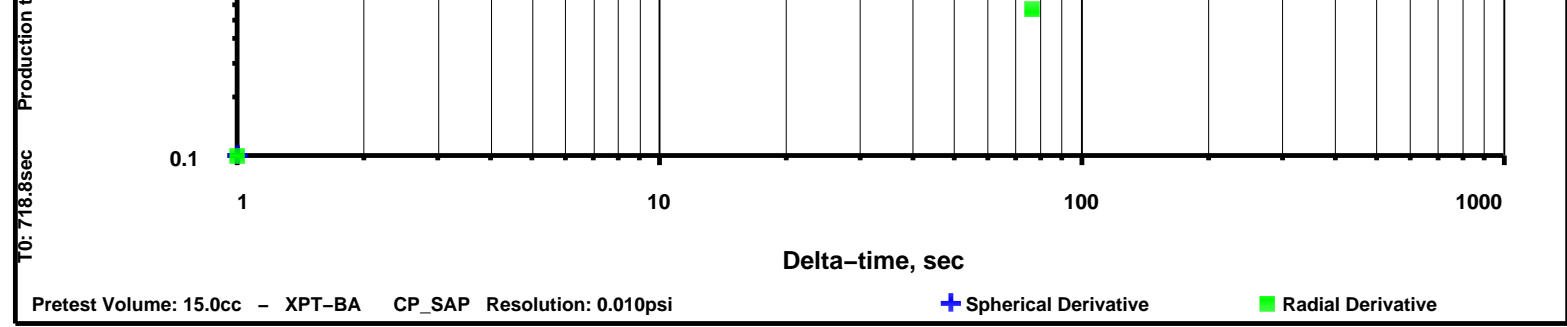
Mobility Based Flow Volume: 15.0cc
 Total Pretest Volume: 15.0cc - XPT-BA CP_SAP Resolution: 0.010psi

File 34 Depth, FT: 8619.45
 1-Aug-2012 Noble Energy Inc
 Wattenberg
 Longs AC 02-15

Volumetric Limited draw-down - Conventional probe



Time: 8.7 sec



Company: Noble Energy Inc Well: Longs AC 02-15

Output DLIS Files

DEFAULT XPT_034LTP FN:33 PRODUCER 02-Aug-2012 09:02 8625.2 FT

XPT Event Summary

At 183.0 seconds Set @8619.4 FT
 At 318.9 seconds Pretest 20.0 cc @1.00 C3/S(V) Volume Limit Reached
 At 720.0 seconds Pretest 15.0 cc @2.00 C3/S(V) Volume Limit Reached
 At 851.4 seconds Retract

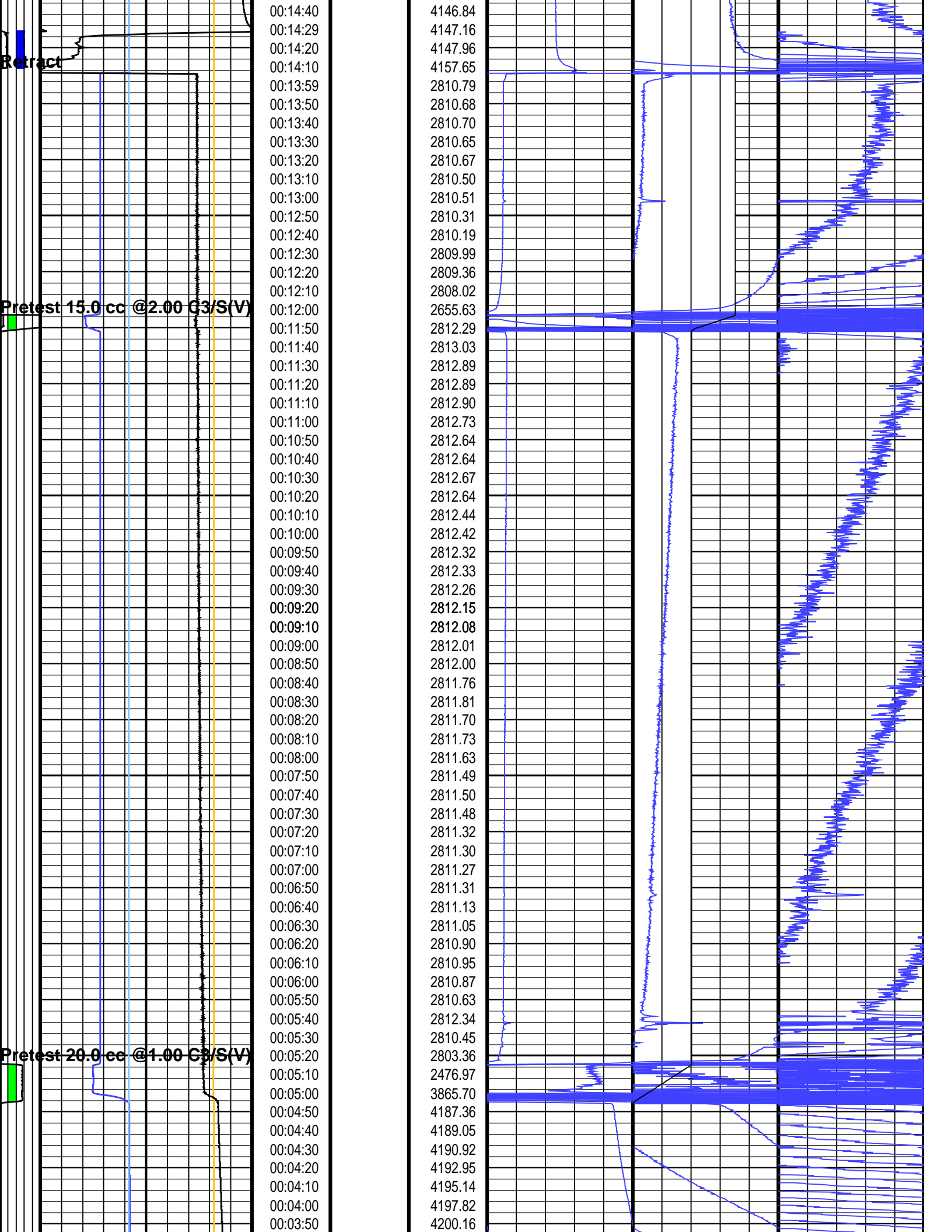
OP System Version: 19C0-187

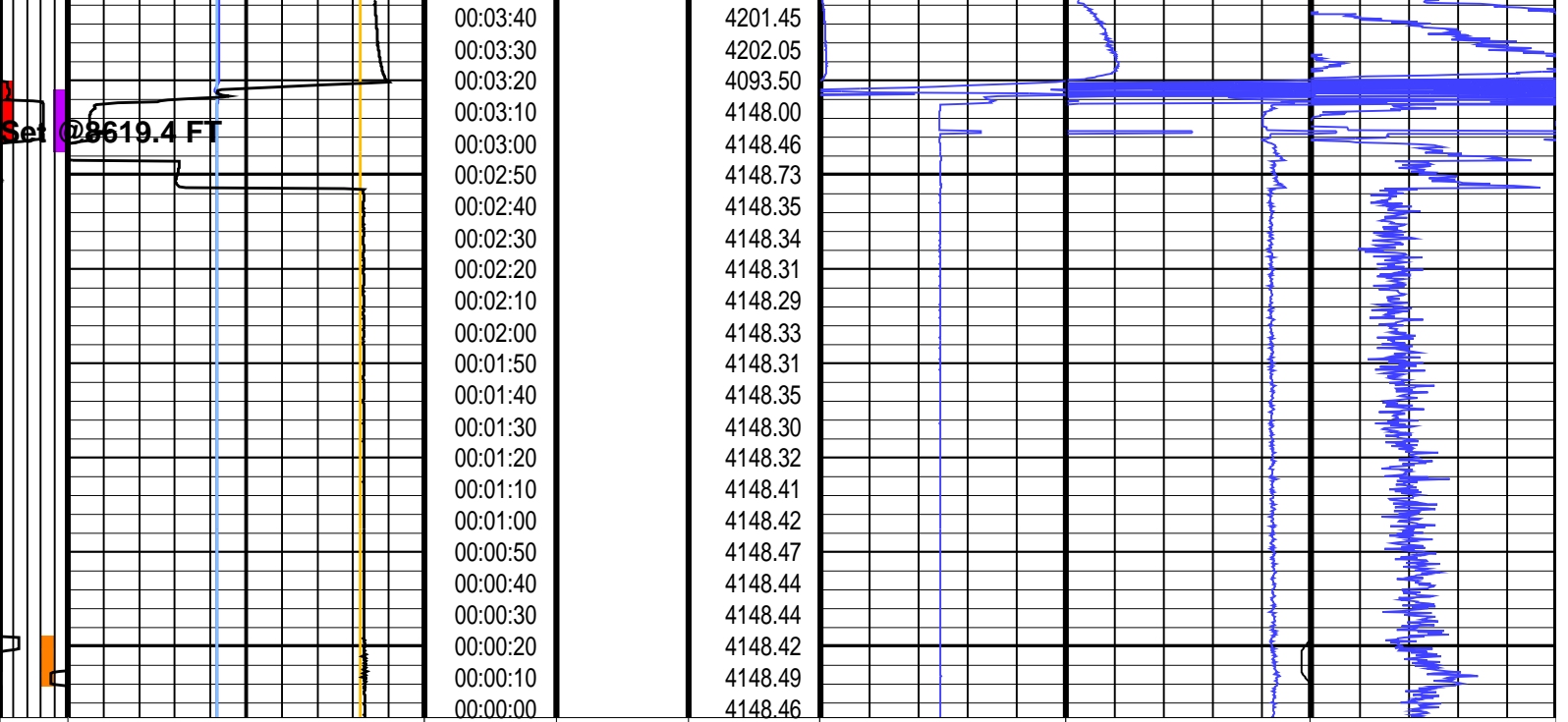
XPT-BA 19C0-187 EDTC-B 19C0-187

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
DDPL_XPT	2000 PSIG	2200 PSIG	8625.2 09:07:22
PRSP	2 C3/S	1 C3/S	8625.2 09:07:15
	1 C3/S	2 C3/S	8625.2 09:07:25
	2 C3/S	1 C3/S	8625.2 09:14:13
PTVO_XPT	14.9754 C3	10 C3	8625.2 09:07:18

	XPT Oil Pressure Curve (HOILP) 0 (PSIG) 4000				PRETEST_VOLUME From XPT_7 to XPT_PTV_CURVE	
	Hydrostatic Pressure (CP_HYD) 0 (PSIG) 10000					
XPT Motor Speed Curve (MSP_E_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIG) 10000				XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50	
XPT Actions Image (AIMG) (---)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300	XPT Time Log (ETIM_XPT) (S) 00:14:50	Sapphire Pressure (CP_SAP) (PSIG) 4146.61	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 (PSIG) 100	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 (PSIG) 10	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 (PSIG) 1





	<p>Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300</p>	<p>XPT Time Log (ETIM_XPT) (S)</p>	<p>Sapphire Pressure (CP_SAP) (PSIG)</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 100</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 10</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 1</p>
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<p>XPT Motor Speed Curve (MSP_XPT) (RPM) 5000</p>	<p>Sapphire Pressure (CP_SAP) (PSIG) 10000</p>				<p>XPT Pretest Volume Curve (PTV_XPT) (C3) 50</p>	
--	---	--	--	--	--	--

	<p>Hydrostatic Pressure (CP_HYD) (PSIG) 10000</p>				<p>PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE</p>	
	<p>XPT Oil Pressure Curve (HOILP) (PSIG) 4000</p>					

XPT Actions Image

- WHITE: No Action / COLORED: Action in progress
 Left to right:
1. Set (Red)
 2. Pretest (Green)
 3. Retract (Blue)
 4. Init Pretest (Orange)
 5. ACom Calibration (Purple)

XPT Dynamic Compensation Status

Quartz Gauge Pressure not compensated and corrected
 Sapphire Gauge Pressure compensated and corrected

Parameters

DLIS Name	Description	Value	
XPT-BA: Xpress Pressure Tool - BA			
BTA_HYD	Hydrostatic Gauge Board Temperature A Coefficient	1.02887	
BTA_SAP	Sapphire Board Temperature A Coefficient	1.01075	
BTB_HYD	Hydrostatic Gauge Board Temperature B Coefficient	-0.000116366	
BTB_SAP	Sapphire Board Temperature B Coefficient	0.000319483	
BTCT_HYD	Hydrostatic Gauge Board Temperature Coefficients Read From Data Channels	YES	
BTCT_SAP	Sapphire Board Temperature Coefficients Read Fram Data Channels	YES	
DDPL_XPT	Pretest Drawdown Limit	2200	PSIG
DEVI_FL_CORR_XPT	Tool Deviation Angle	0	DEG
FLD_XPT	Flowline Density	1	G/C3
GDSV	Gauges Downhole Software Version	2.1	
GDYCO	Sapphire Dynamic Compensation Applied	YES	
PAC_SAP	Sapphire Gauge Pressure A Coefficient	1.00127	
PA_HYD	Hydrostatic Gauge Pressure A Coefficient	1.00307	
PBC_SAP	Sapphire Gauge Pressure B Coefficient	0.000390731	
PB_HYD	Hydrostatic Gauge Pressure B Coefficient	0.000213373	
PCT_HYD	Hydrostatic Gauge Pressure Coefficients Read From Data Channels	YES	
PCT_SAP	Sapphire Pressure Coefficients Read From Data Channels	YES	
PDCO_XPT	XPT Probe Depth Correction Offset	0	FT
PGSR	Pressure Gauges Sampling Rate	300	ms
PRSP	Pretest Rate	1	C3/S
PTM_XPT	Pretest Type	MANUAL	
PTVO_XPT	Pretest Volume	10	C3
TAC_SAP	Sapphire Gauge Temperature A Coefficient	1.00101	
TA_HYD	Hydrostatic Gauge Temperature A Coefficient	1.01598	
TBC_SAP	Sapphire Gauge Temperature B Coefficient	-2.99907e-006	
TB_HYD	Hydrostatic Gauge Temperature B Coefficient	-0.000287653	
TCT_HYD	Hydrostatic Gauge Temperature Coefficients Read >From Data Channels	YES	
TCT_SAP	Sapphire Temperature Coefficients Read From Data Channels	YES	

Format: XPT_StationLog Vertical Scale: 1" per 60S Graphics File Created: 02-Aug-2012 09:02

OP System Version: 19C0-187

XPT-BA 19C0-187 EDTC-B 19C0-187

Output DLIS Files

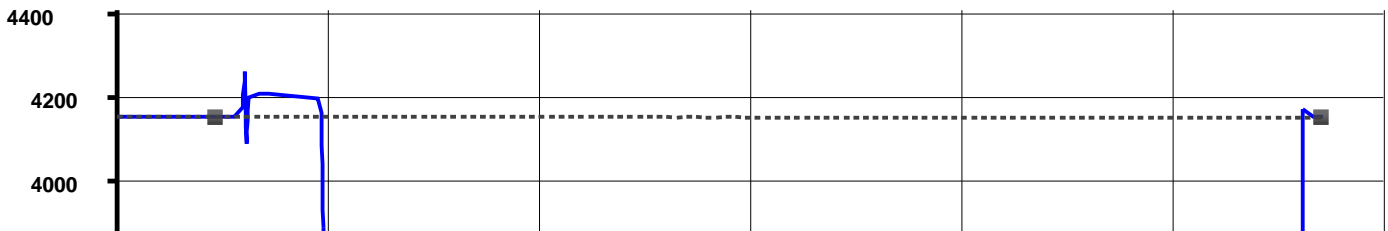
DEFAULT XPT_034LTP FN:33 PRODUCER 02-Aug-2012 09:02

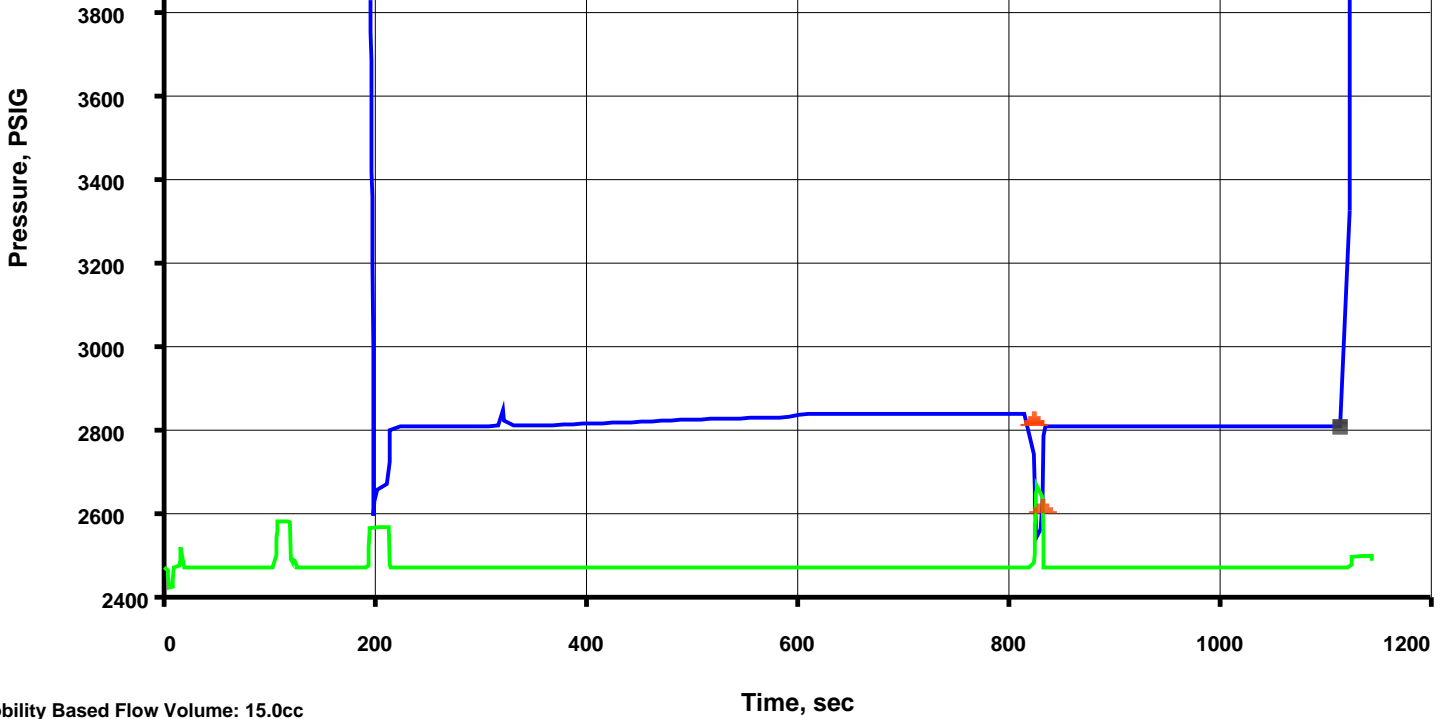


Pretest at 8615.91

MAXIS Field Log

File 35	Depth, FT: 8615.91	Volumetric Limited draw-down - Conventional probe
1-Aug-2012	Noble Energy Inc	Mud Pressure before test, PSIG: 4145.41
	Wattenberg	Mud Pressure after test, PSIG: 4144.3
	Longs AC 02-15	Last build-up pressure, PSIG: 2808.41
		Draw-down mobility, md/cp: 41.8

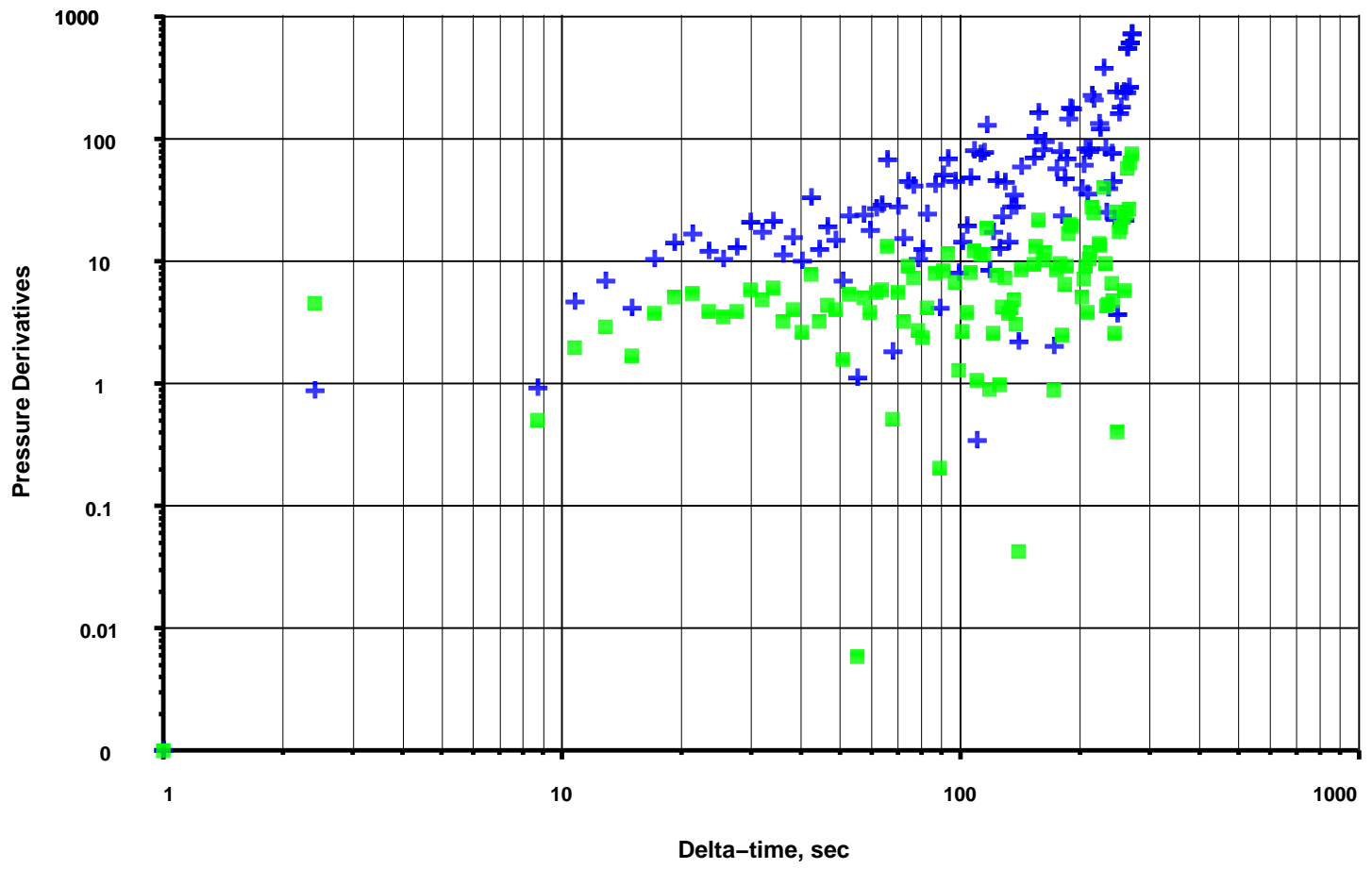




Mobility Based Flow Volume: 15.0cc
 Total Pretest Volume: 15.0cc - XPT-BA CP_SAP Resolution: 0.010psi

File 35 Depth, FT: 8615.91
 1-Aug-2012 Noble Energy Inc
 Wattenberg
 Longs AC 02-15

Volumetric Limited draw-down - Conventional probe



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

+ Spherical Derivative ■ Radial Derivative

XPT Event Summary

At 107.1 seconds Set @8615.9 FT
 At 216.3 seconds Pretest 20.0 cc @1.00 C3/S(V) Volume Limit Reached
 At 834.6 seconds Pretest 15.0 cc @2.00 C3/S(V) Volume Limit Reached
 At 1125.6 seconds Retract

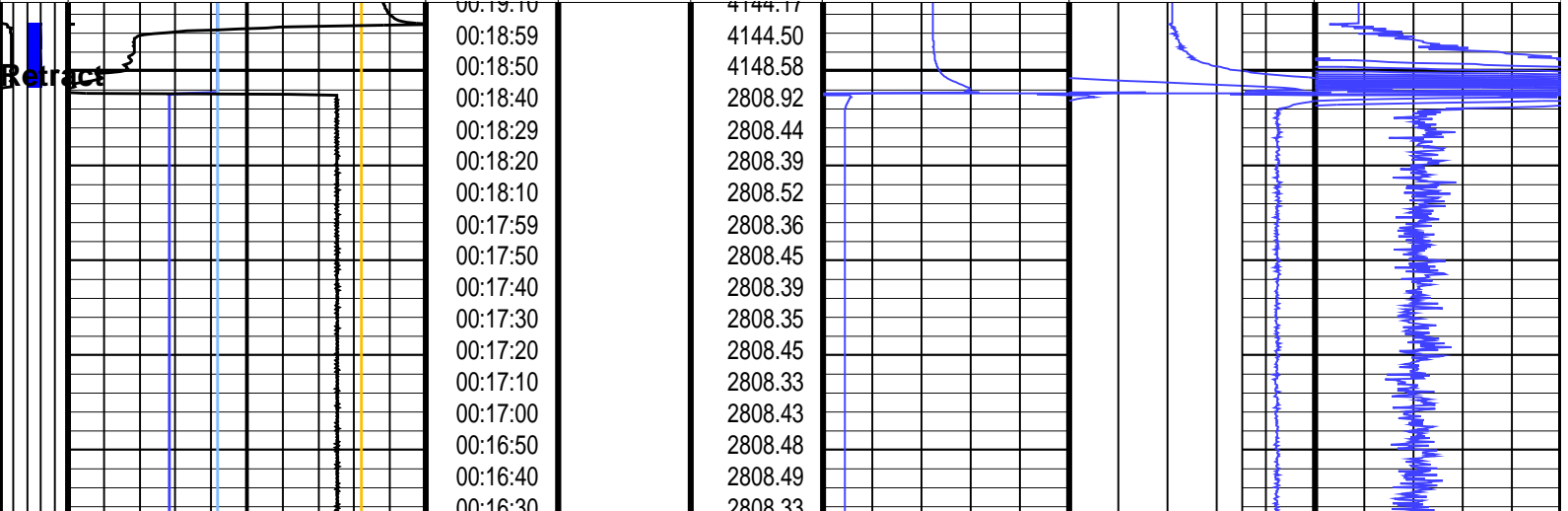
OP System Version: 19C0-187

XPT-BA 19C0-187 EDTC-B 19C0-187

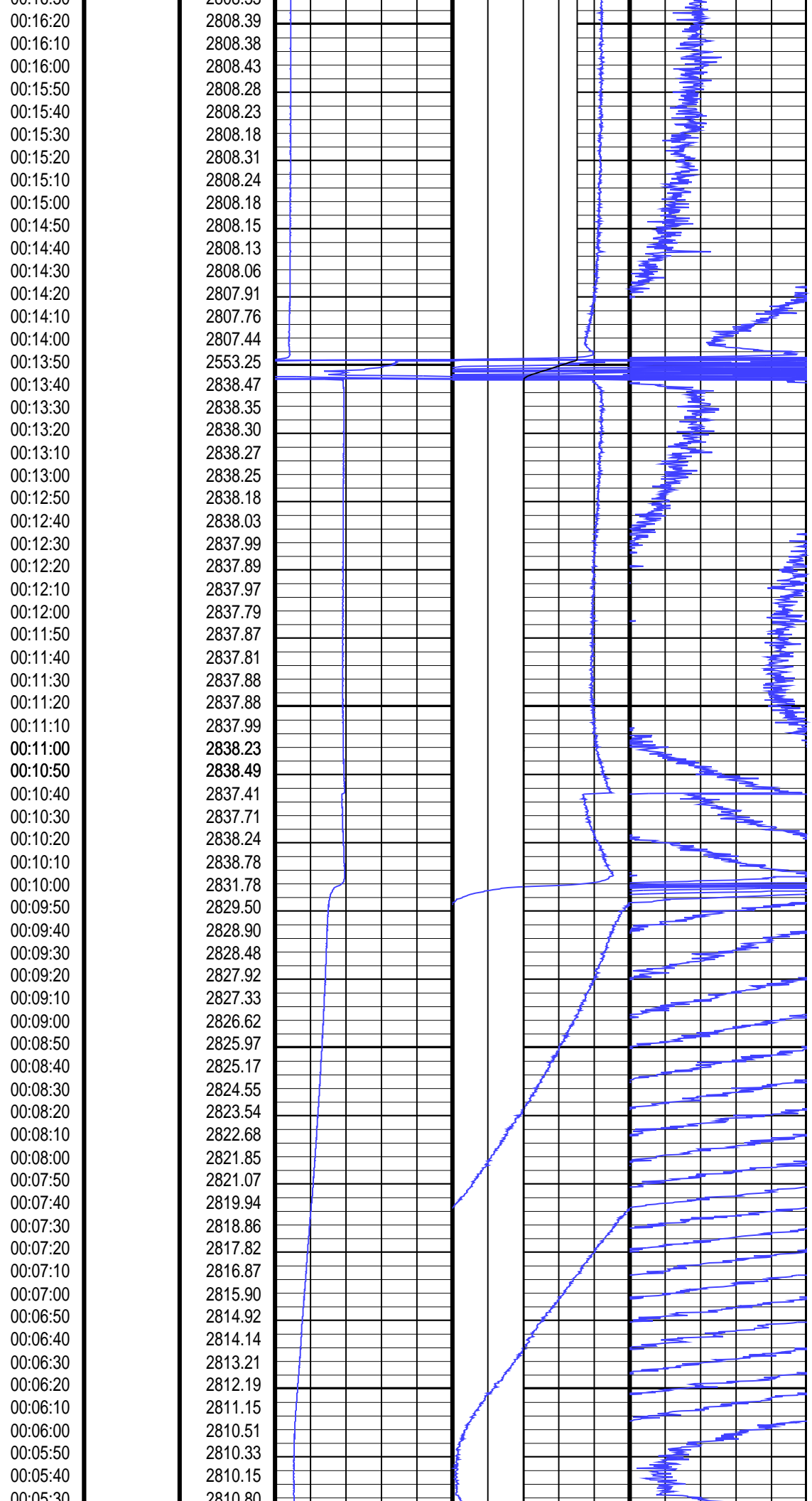
Changed Parameter Summary

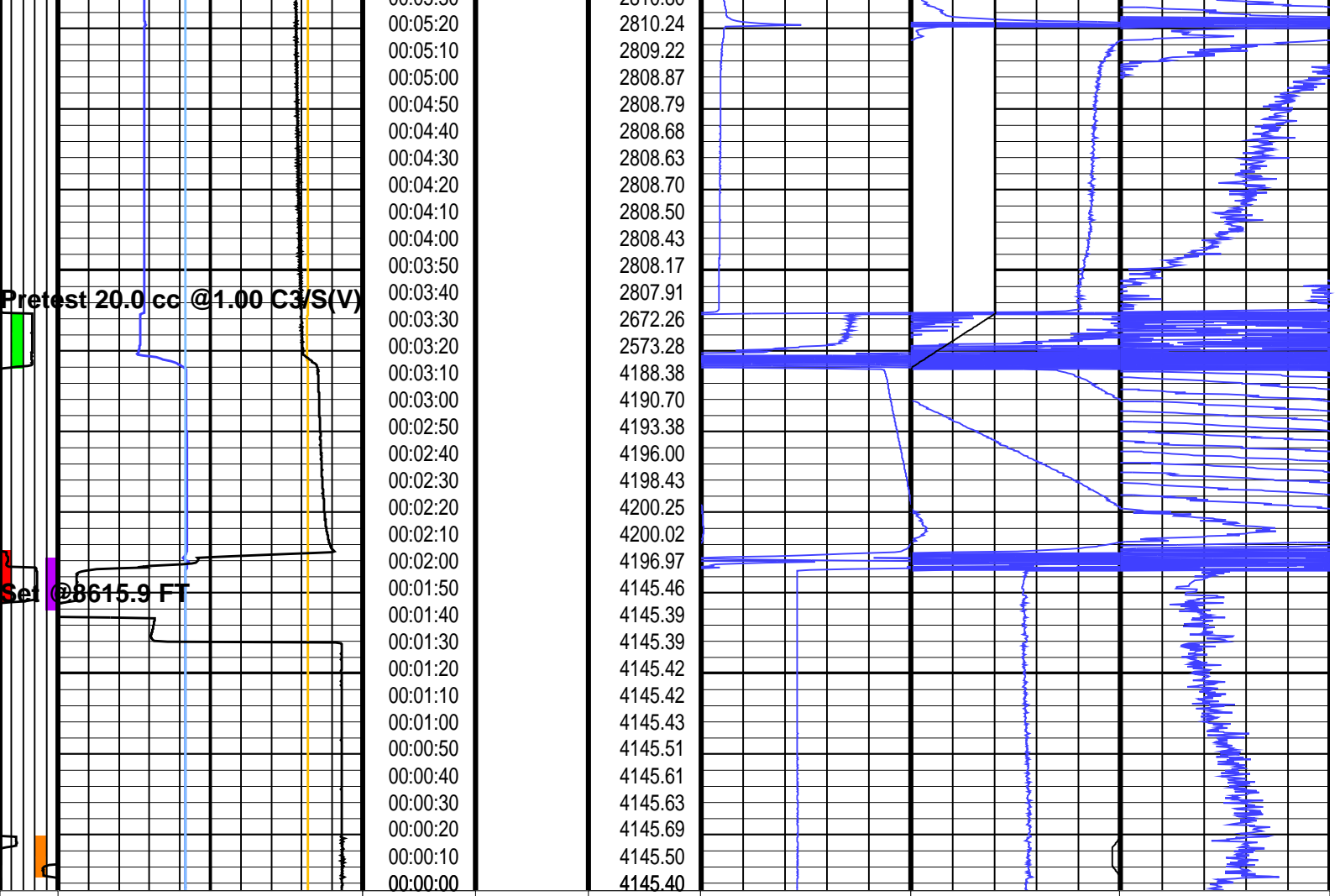
DLIS Name	New Value	Previous Value	Depth & Time
PRSP	1 C3/S	2 C3/S	8621.6 09:24:01
	2 C3/S	1 C3/S	8621.6 09:34:29
PTVO_XPT	14.9782 C3	14.9754 C3	8621.6 09:23:57

XPT Oil Pressure Curve (HOILP) 0 (PSIG) 4000				
	Hydrostatic Pressure (CP_HYD) 0 (PSIG) 10000			
	XPT Pretest Volume Curve (PTV_XPT) 0 (C3) 50			
XPT Motor Speed Curve (MSP_XPT) (RPM) 0 5000	Sapphire Pressure (CP_SAP) 0 (PSIG) 10000			
	PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE			
XPT Actions Image (AIMG) (---)	Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300		XPT Time Log (ETIM_XPT) (S)	
	Sapphire Pressure (CP_SAP) (PSIG)	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 100	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 10	Sapphire Zoomed Pressure (CP_SAP) (PSIG) 1



Pretest 15.0 cc @2.00 C3/S(V)

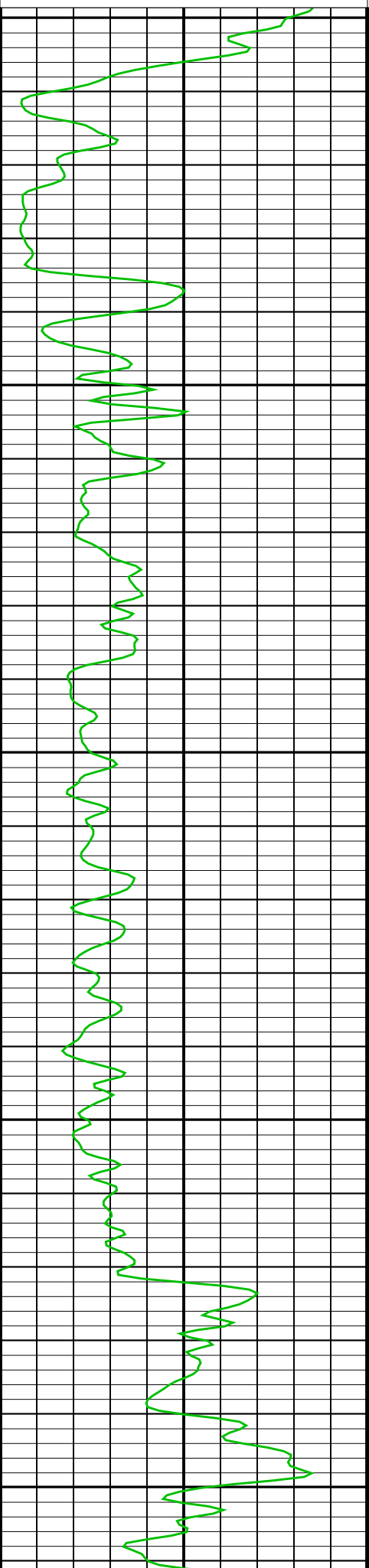




<p>XPT Actions Image (AIM G) (-----)</p>	<p>Sapphire Manometer Temperature (MTEP_SAP) 0 (DEGF) 300</p>	<p>XPT Time Log (ETIM_XPT) (S)</p>	<p>Sapphire Pressure (CP_SAP) (PSIG)</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 100</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 10</p>	<p>Sapphire Zoomed Pressure (CP_SAP) (PSIG) 0 1</p>
<p>XPT Motor Speed Curve (MSP XPT) (RPM) 0 5000</p>	<p>Sapphire Pressure (CP_SAP) (PSIG) 0 10000</p>				<p>XPT Pretest Volume Curve (PTV_XPT) (C3) 0 50</p>	
	<p>Hydrostatic Pressure (CP_HYD) (PSIG) 0 10000</p> <p>XPT Oil Pressure Curve (HOILP) (PSIG) 0 4000</p>				<p>PRETEST VOLUME From XPT_7 to XPT_PTV_CURVE</p>	

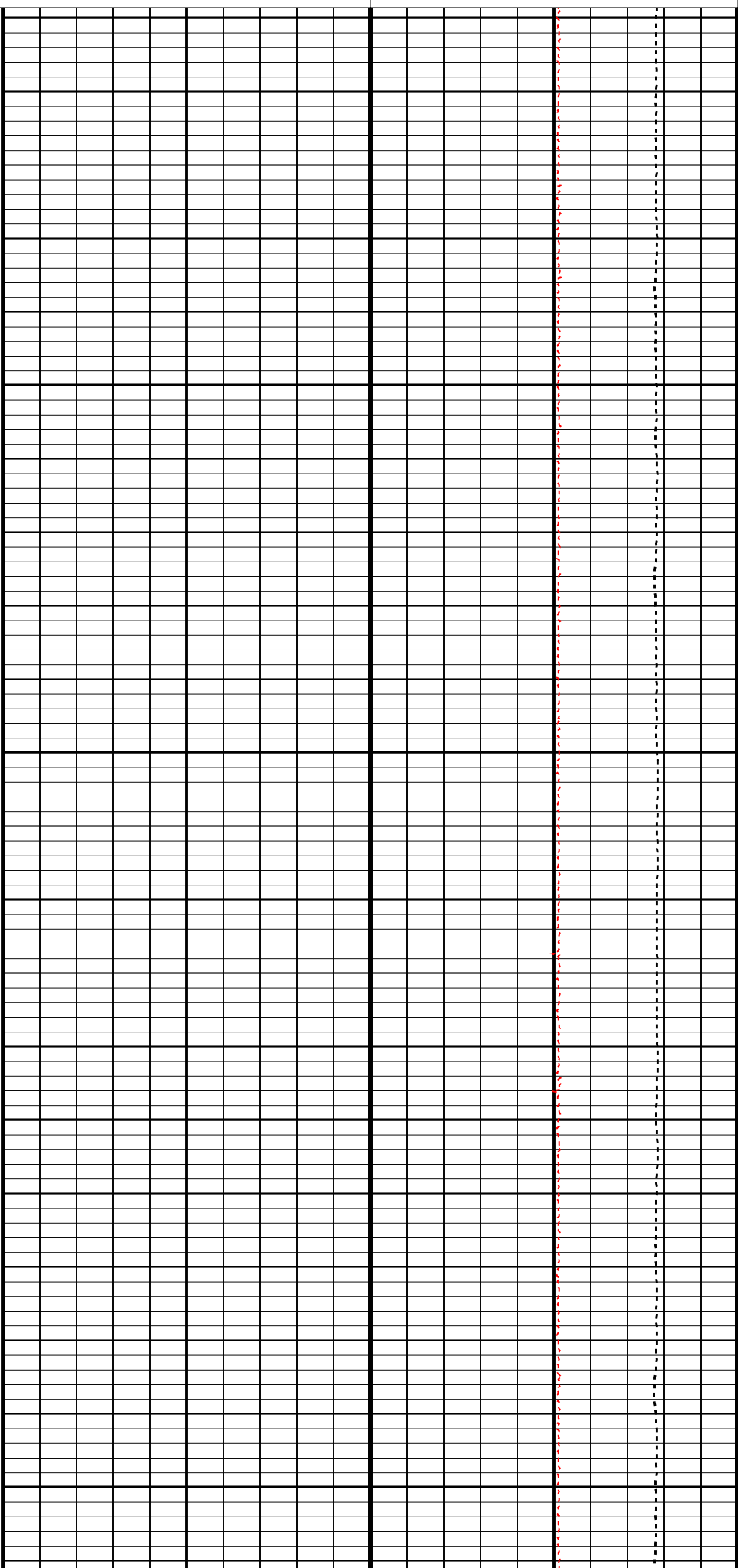
XPT Actions Image

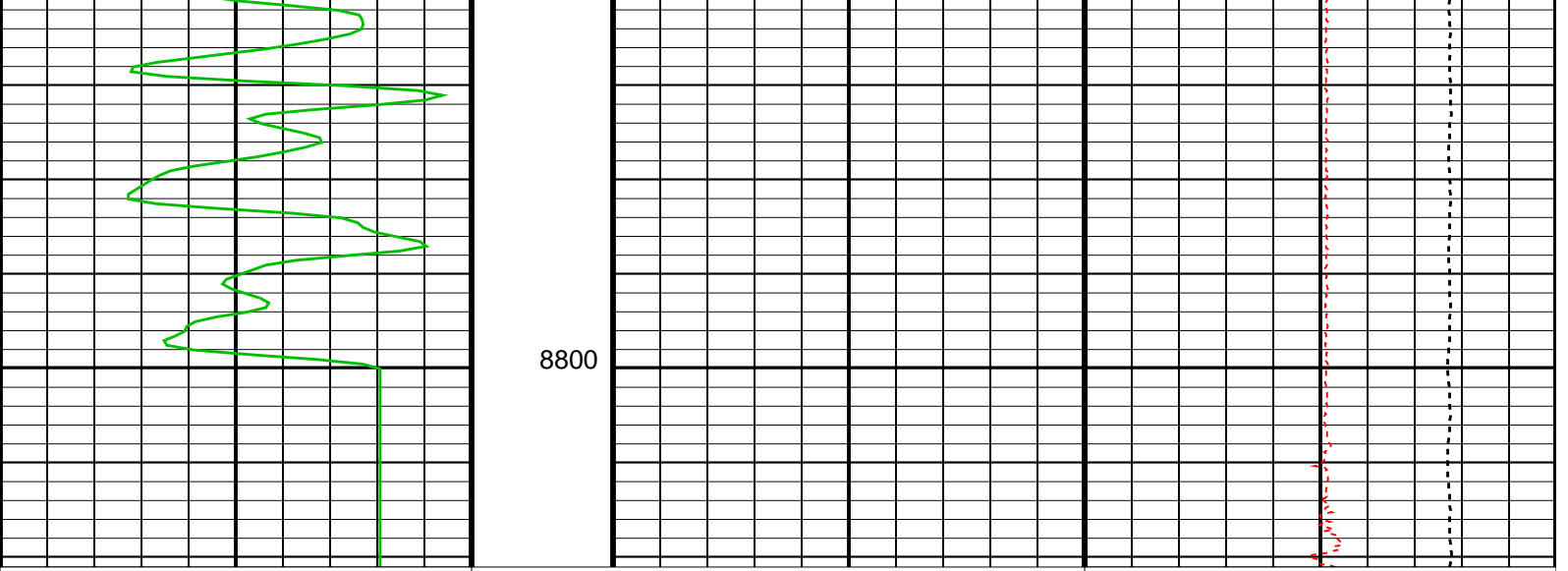
WHITE: No Action / COLORED: Action in progress



8600

8700





Gamma Ray (GR_EDTC)
(GAPI) 0 150

EDTC Z-Axis Accelerometer (AZ_EDTC)
(F/S2) 27 37

Tension (TENS)
(LBF) 10000 0

Format: CORRELATION_EDTCB Vertical Scale: 5" per 100' Graphics File Created: 02-Aug-2012 02:25

OP System Version: 19C0-187

XPT-BA 19C0-187 EDTC-B 19C0-187

Output DLIS Files

DEFAULT XPT_015LUP FN:14 PRODUCER 02-Aug-2012 02:25

Company: **Noble Energy Inc**

Schlumberger

Well: **Longs AC 02-15**

Field: **Wattenberg**

County: **Weld**

State: **Colorado**

Pressure Express