

Schlumberger

TESTING SERVICES REPORT

Report Number

10809237

Test Date

13-Aug-04

Report Date

13-Aug-04

Devon Energy

Cased Hole/Ultra-Slim DST

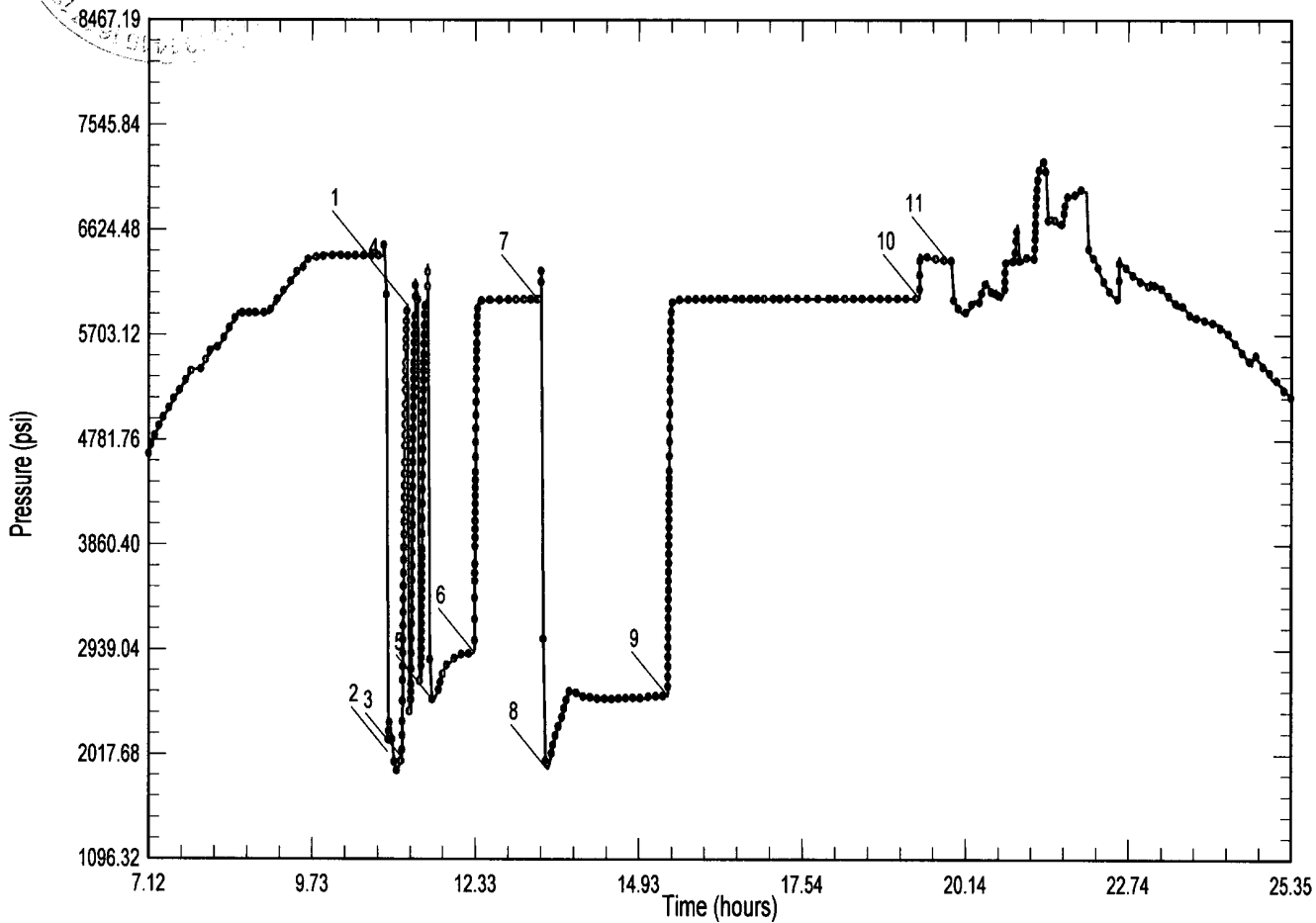
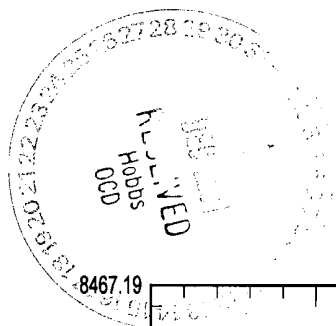
Rio Blanco 4 Fed. Com. - 3

Wildcat

Rig : Patterson 56

Lea - New Mexico

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Schlumberger Testing Services

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Job Summary
Devon Energy
Cased Hole/Ultra-Slim DST

CONFIDENTIAL**Rio Blanco 4 Fed. Com. 3**
WildcatService Order Number : **10809237**
Test Date : **13-Aug-04**

Company Rep	Norm Hurst	SWS Rep	Jeremy Cates
Test Information			
Test Number	1	Formation	Devonian
		Interval (MD ft)	273
Well Location			
Well.....	Rio Blanco 4 Fed. Com. 3	Rig.....	Patterson 56
Field.....	Wildcat	State	Lea - New Mexico
Wellbore Configuration			
Total Depth (MD/TVD ft)	14653	Cushion	1 bbl CL-TD 120, 1000' H2O
Casing / Liner ID (in)	5"	Wellbore Radius (ft)	3.875
Top of Liner (md- ft)	11564	Mud Weight (lb/gal)	8.55
		Mud Type	Cut Brine
		Mud: Chloride/Resistivity.....	20000/.193
Test String Configuration			
Pipe Length (ft) / ID (in)	10035/2.602	Gauge Depth (MD)	14380
Pipe Length (ft) / ID (in)	3417/2.602	Gauge Depth (TVD)	14380
Drill Collar Length (ft) / ID (in)	900	Test Valve Type	MFE
Packer Depths (ft MD)	14380	Test Valve Depth (ft) (MD)	14096
Key Information			
Initial Hydrostatic Pressure	6394	Final Shut In Pressure	6021
Init. Hyd Grad & Density	0.445 psi/ft / 8.55 lb/gal	Final Shut In Grad & Density	0.419 psi/ft / 8.05 lb/gal
Final Hydrostatic Pressure	6353	Final Flowing Pressure	2531
Final Hyd Grad & Density	0.442 psi/ft / 8.50 lb/gal	Final Flow Rate (Mcf)	4
Bottom Hole Temp.....	212	Productivity Index (Mcf / psi)	0.001

This is DST #1. The Devonian formation was evaluated from 14380 to 14653. There was gas to surface 20minutes into the flow period. The well flowed at a final stable rate of 4.01 MCF/D. The recovery was 3 barrels of condensate and 4 barrels of H2O with 30000Chlorides .134 Res. Please direct any questions about this test to the Hobbs Testing District. Thank You for using Schlumberger.

Schlumberger Crew
Jeremy Cates

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Additional Comments

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Cased Hole/Ultra-Slim DST

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There were 3 flows and 3 shutins. We flowed aprox. 7 bbls of fluid to surface, 3 oil/ condensate, and 4 H2O. The well flowed stabel for the last 1 and a half hours af the last flow with a 25-30' flare. No smple chamber is available with the 31/3 MFE.

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Sequence of Events
Devon Energy
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13-Aug-04

Date (dd-mm-yy)	Time (hh:mm:ss)	Comments
13-Aug-04	8:00	Safety Meeting
	8:10	Rig up flow head and hoses, pressure test to 2000
	8:40	Set packer @ 14380
	8:44	Start Flow Open to 3/8 Choke Going to Separator
	8:45	Weak Blow
	8:49	Bottom of Bucket
	8:53	4.25#
	8:58	End Flow Start Shutin 10#
	9:03	End Shutin
	9:10	500#
	9:27	Start Flow 1000#
	9:40	1400#
	9:42	1400# Wide open to separator
	9:50	1500# Separator on 24/64 Choke flowing 2.9Mil
	10:05	1600# 3.1+ Mil
	10:07	End Flow Start Shutin 1600#
	11:08	End Shutin
	11:17	Start Flow 100# on a 24/64 at separator
	11:19	200#
	11:27	850#
	11:42	Change to 32/64 Choke 1150
	11:57	950# Flowing @ 4.01 Mil
	12:12	950#
	13:07	950#
	13:17	End Flow Start Shutin 950#
	17:13	End Shutin Pull Loose and Circulate

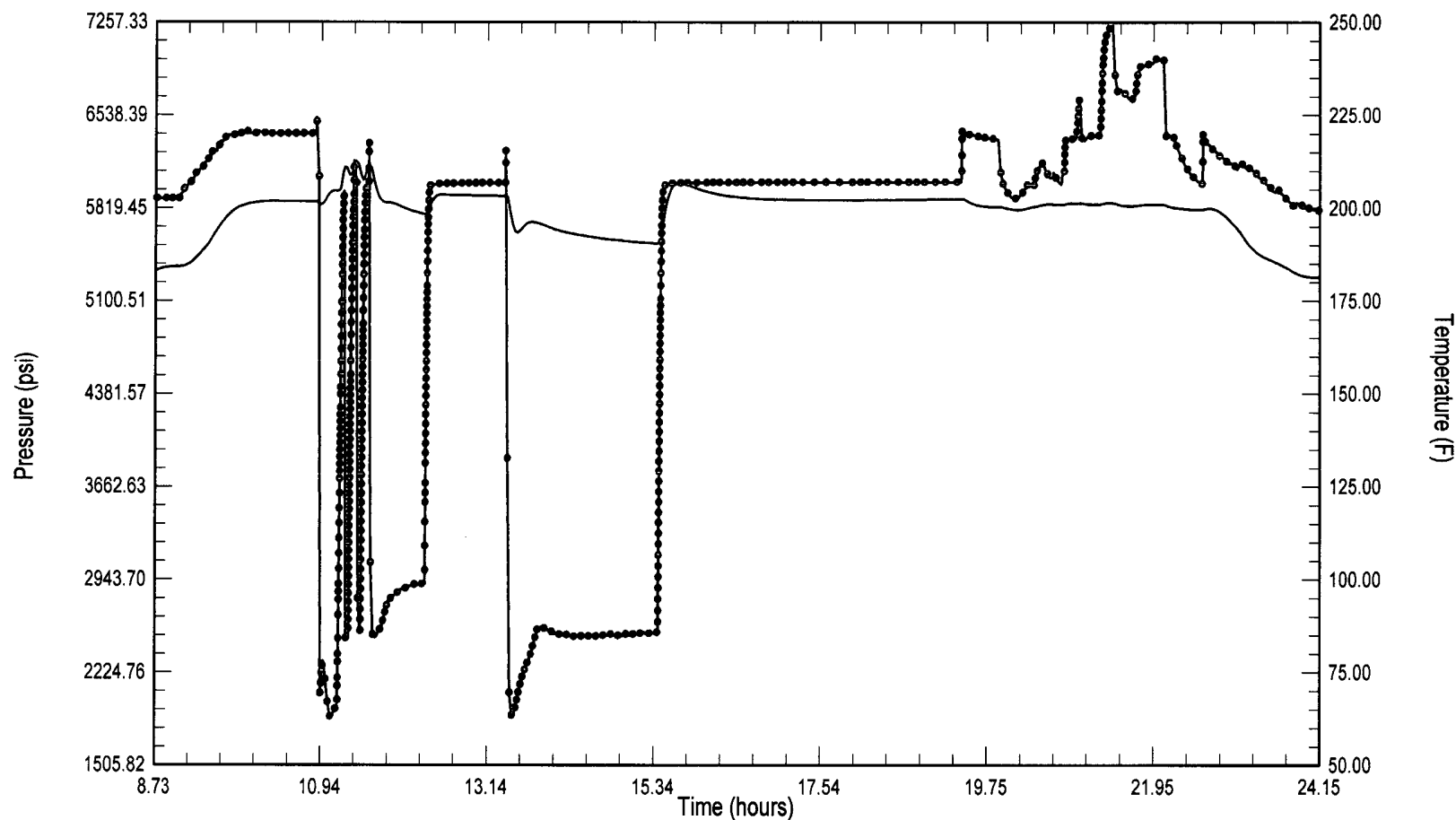
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Bottomhole Pressure and Temperature Log



Gauge Depth : 14380 ft TVD - 14380 ft MD

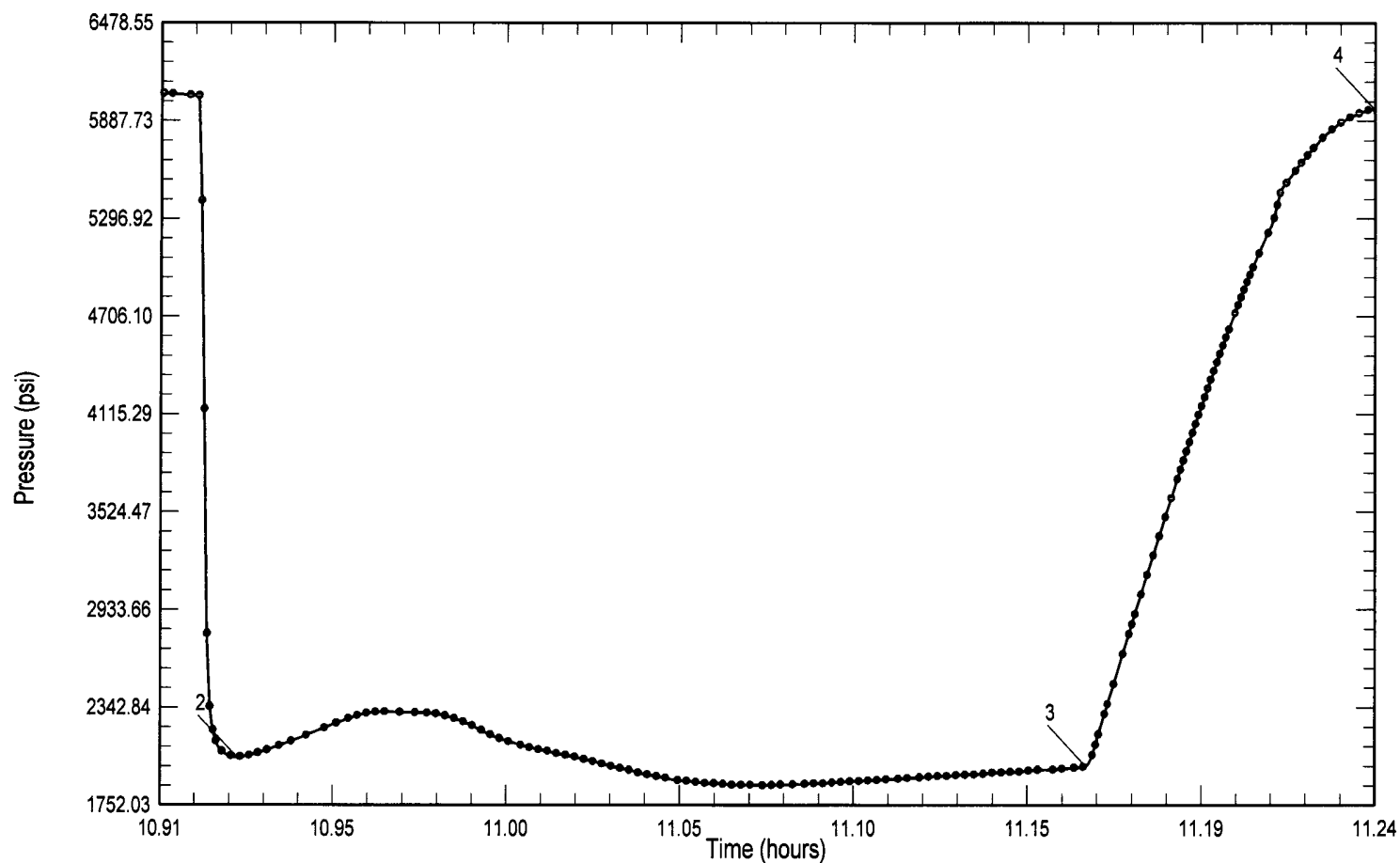
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Gauge Depth : 14380 ft TVD - 14380 ft MD

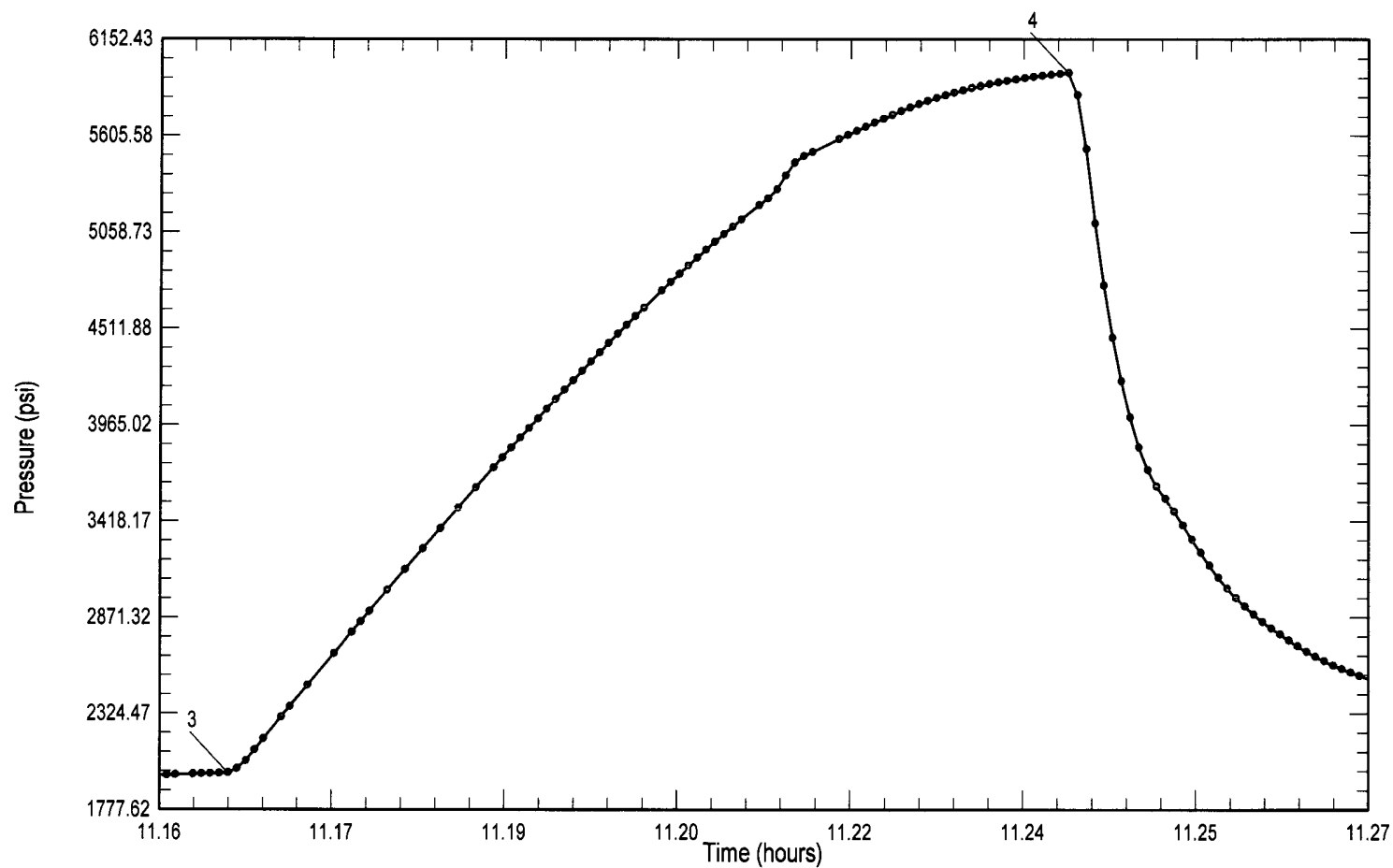
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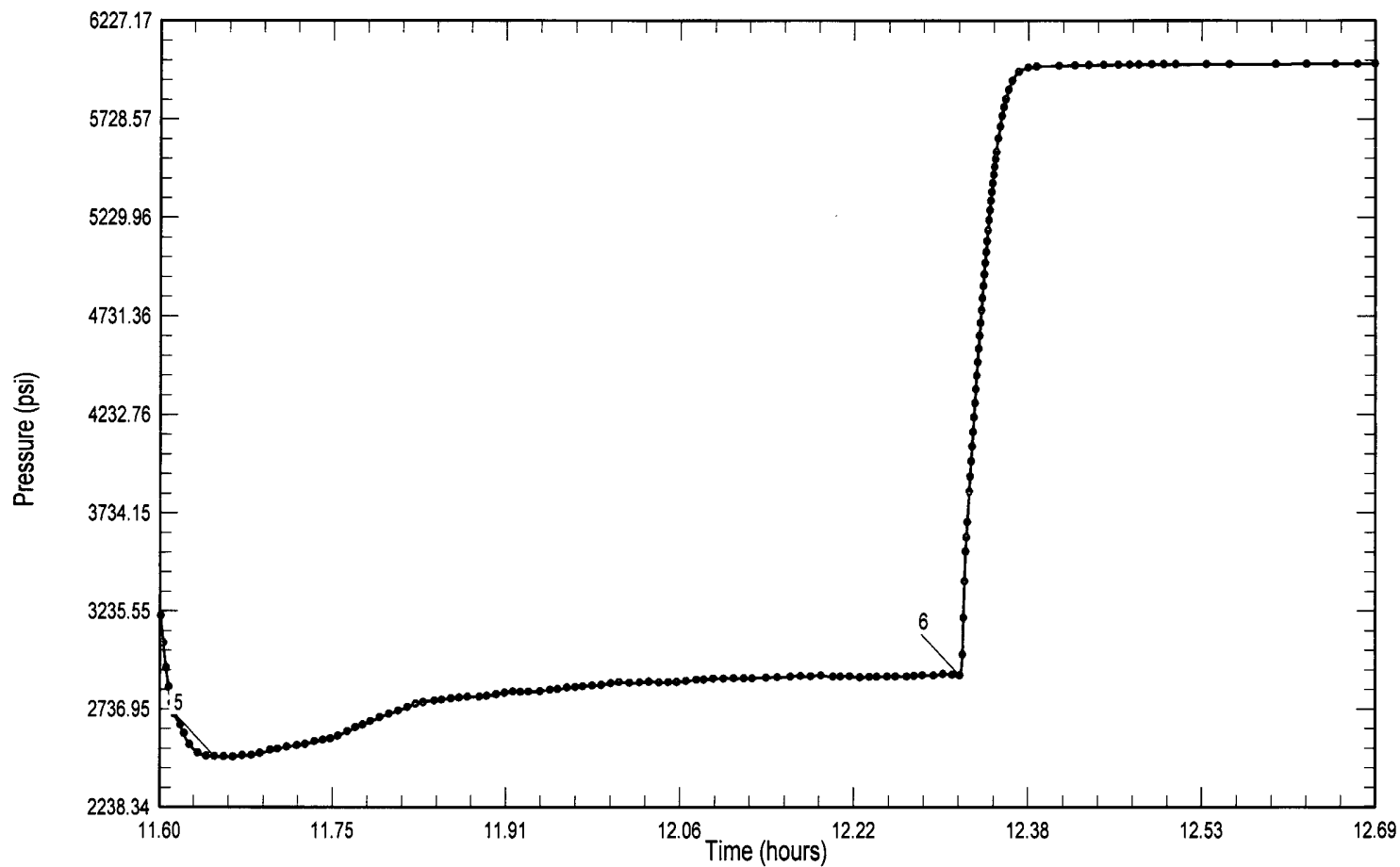
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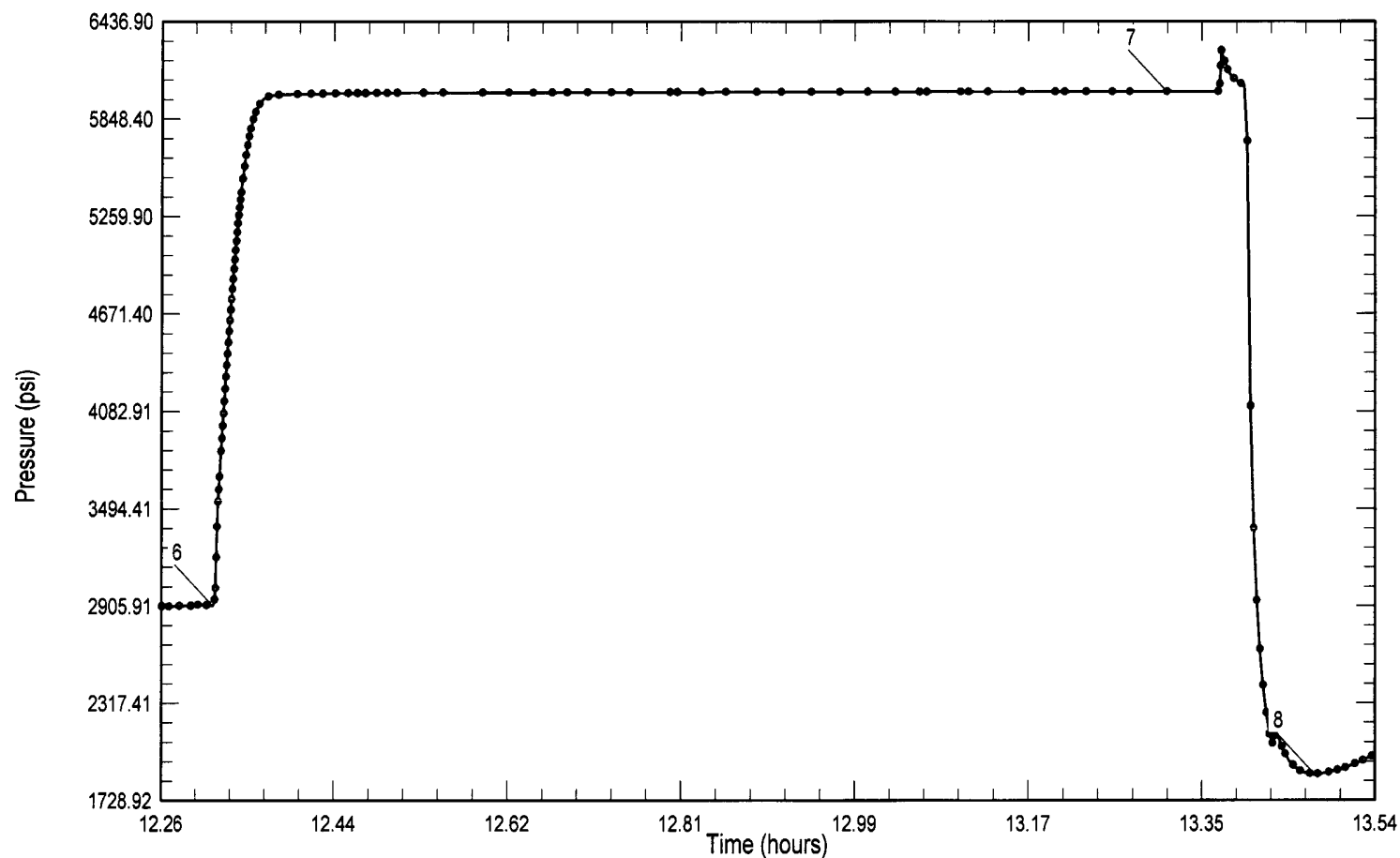
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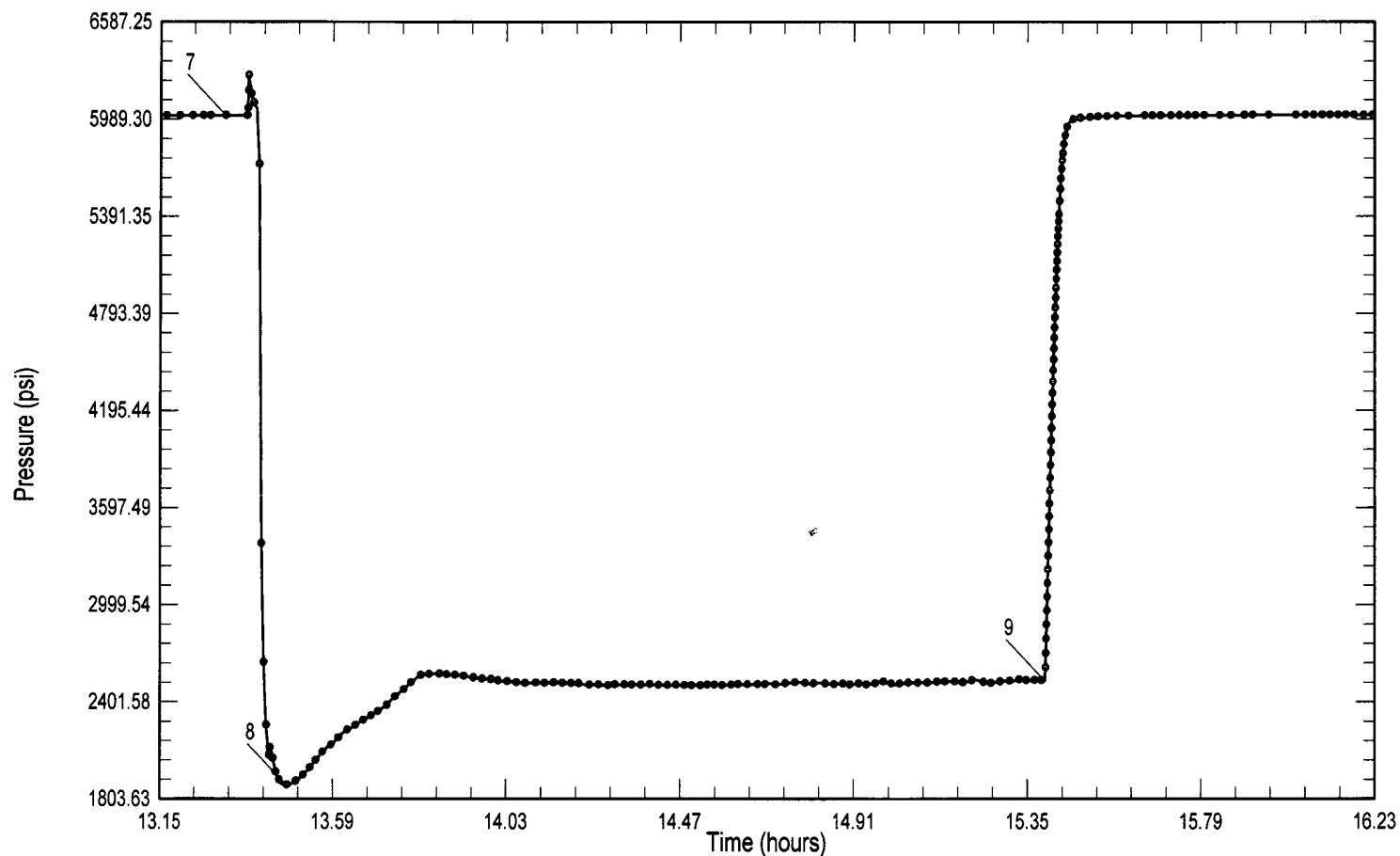
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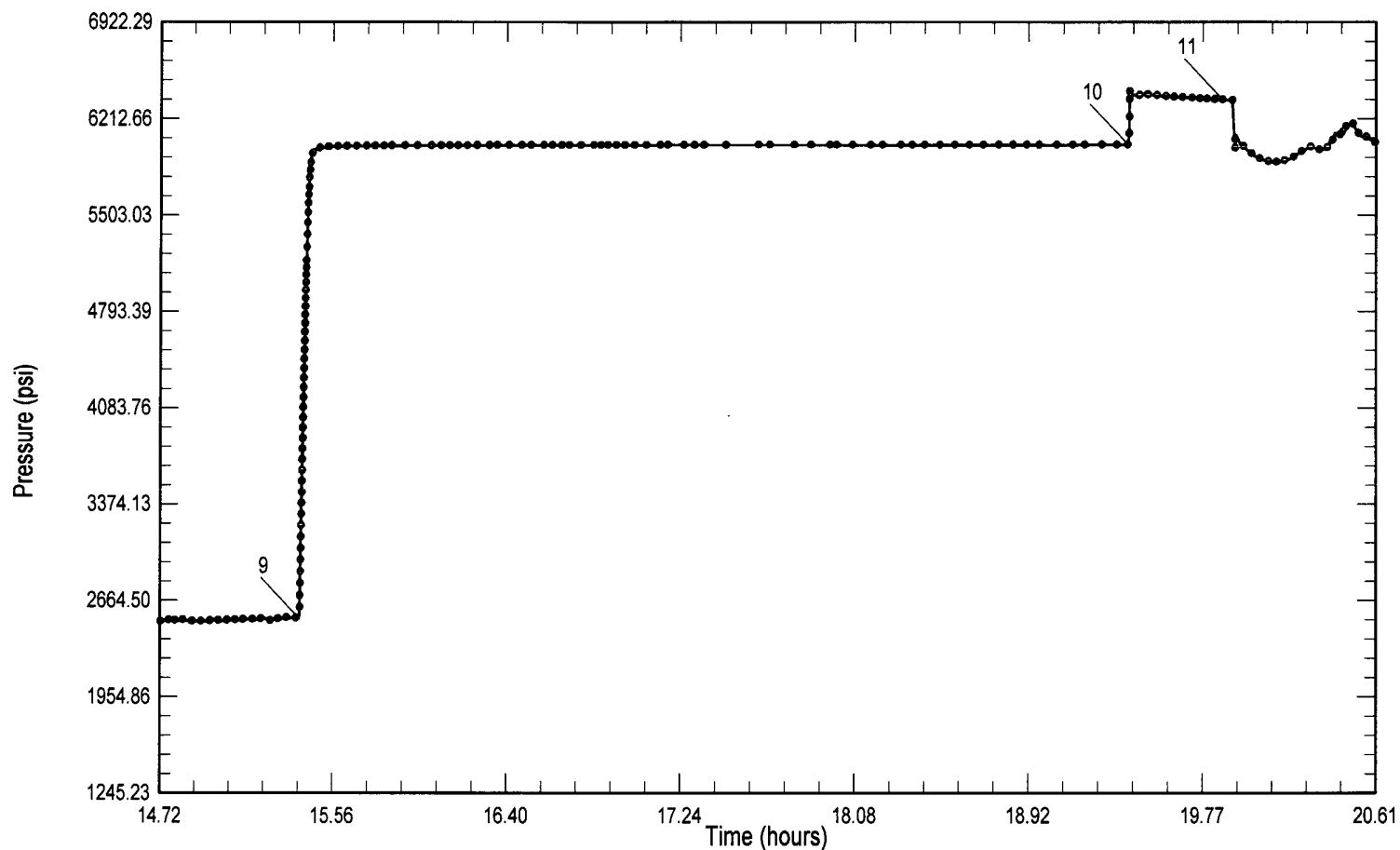
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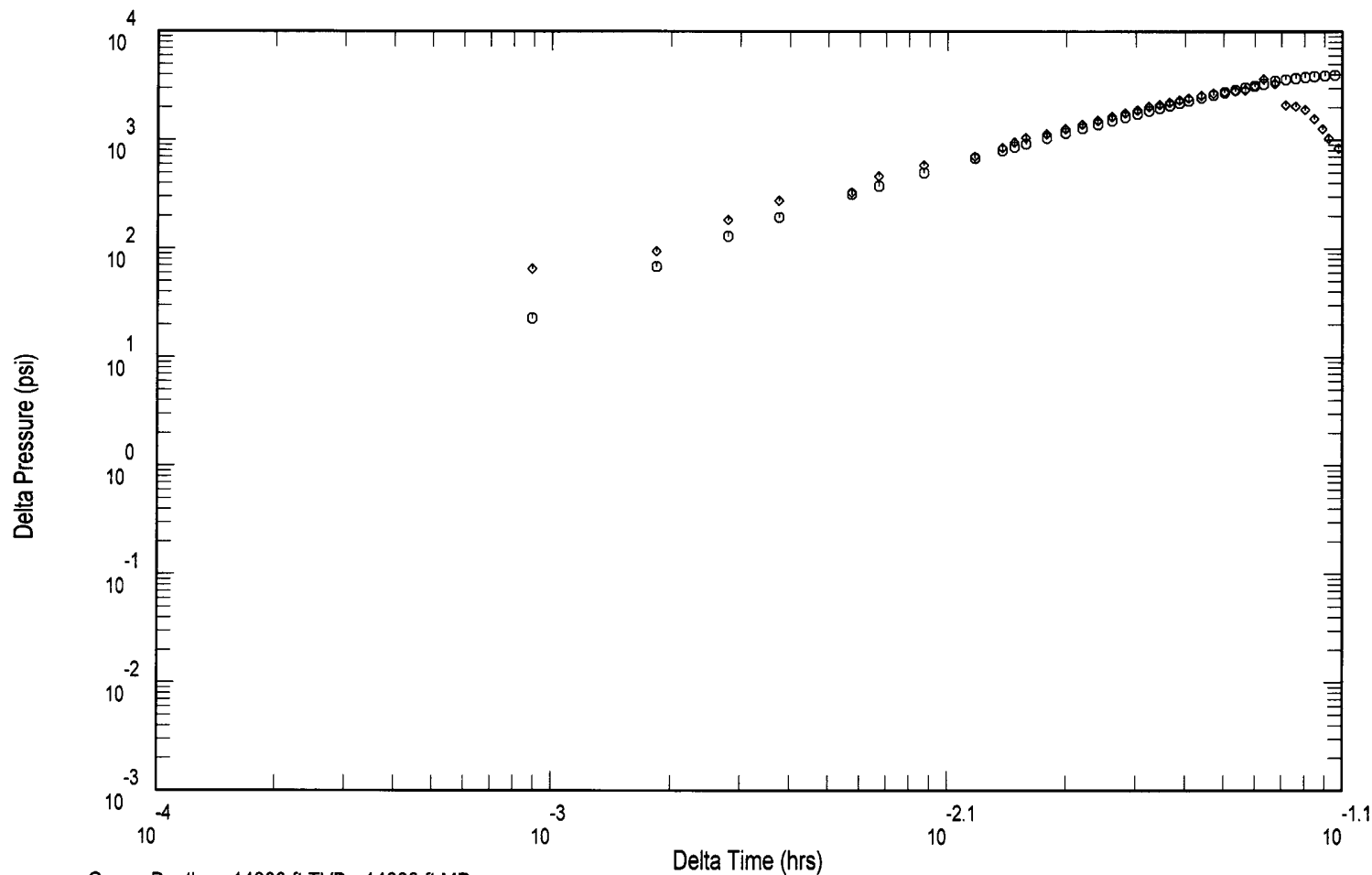
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Wildcat

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Log-log Plot - Initial Shutin Period



Gauge Depth : 14380 ft TVD - 14380 ft MD

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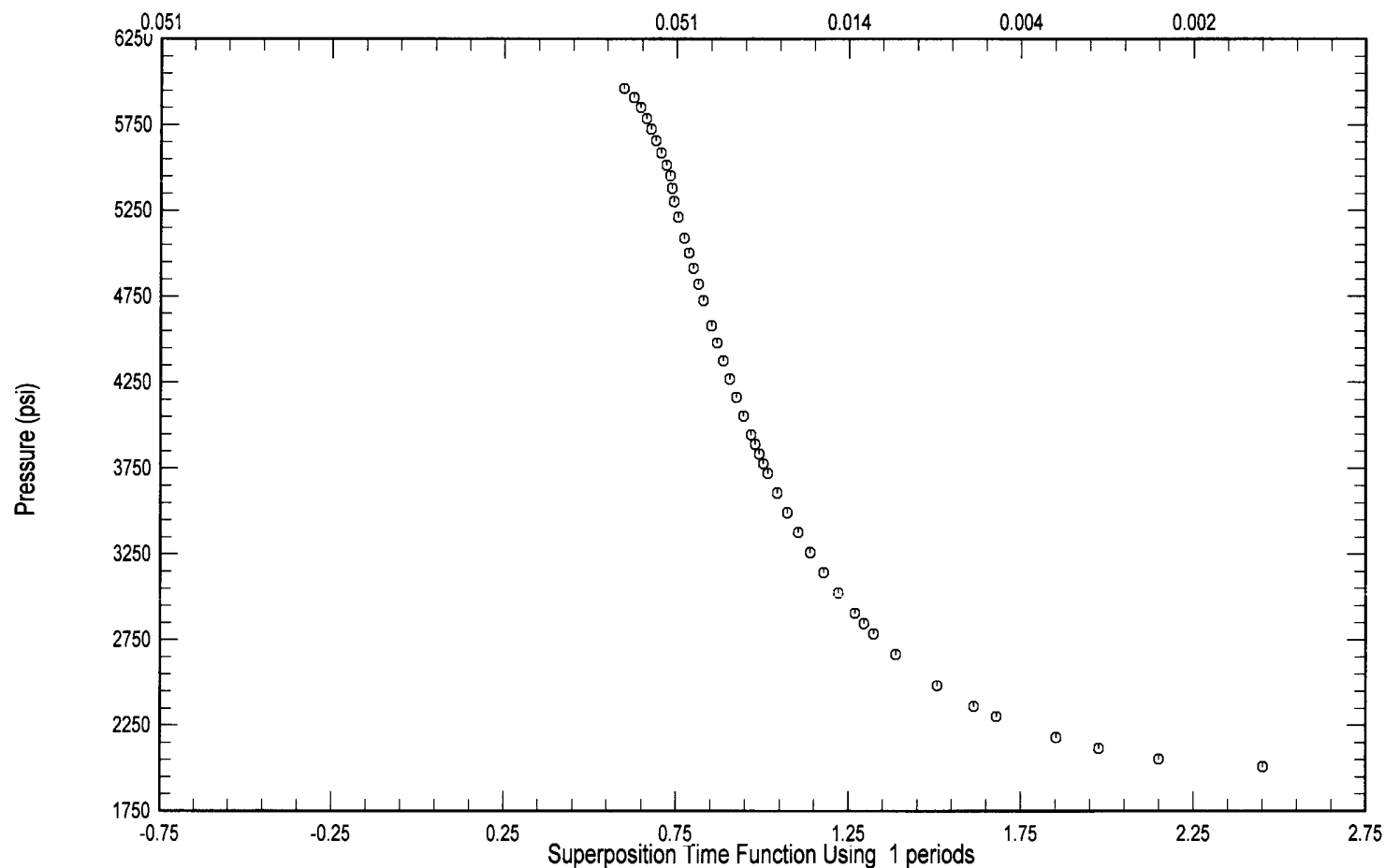
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13-Aug-04

Semi-log Plot - Initial Shutin Period



Gauge Depth : 14380 ft TVD - 14380 ft MD

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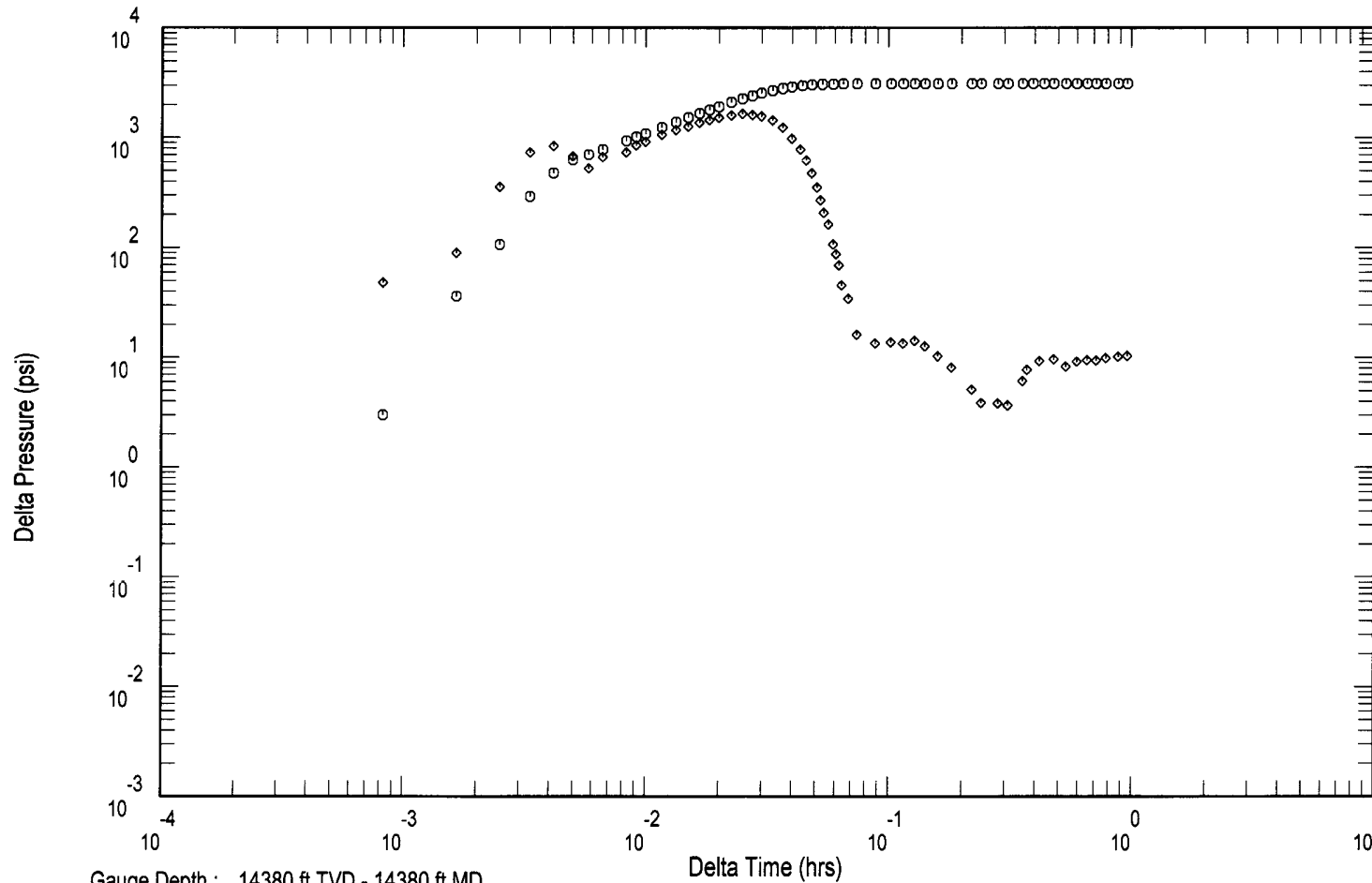
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13-Aug-04

Log-log Plot - Second Shutin Period



Gauge Depth : 14380 ft TVD - 14380 ft MD

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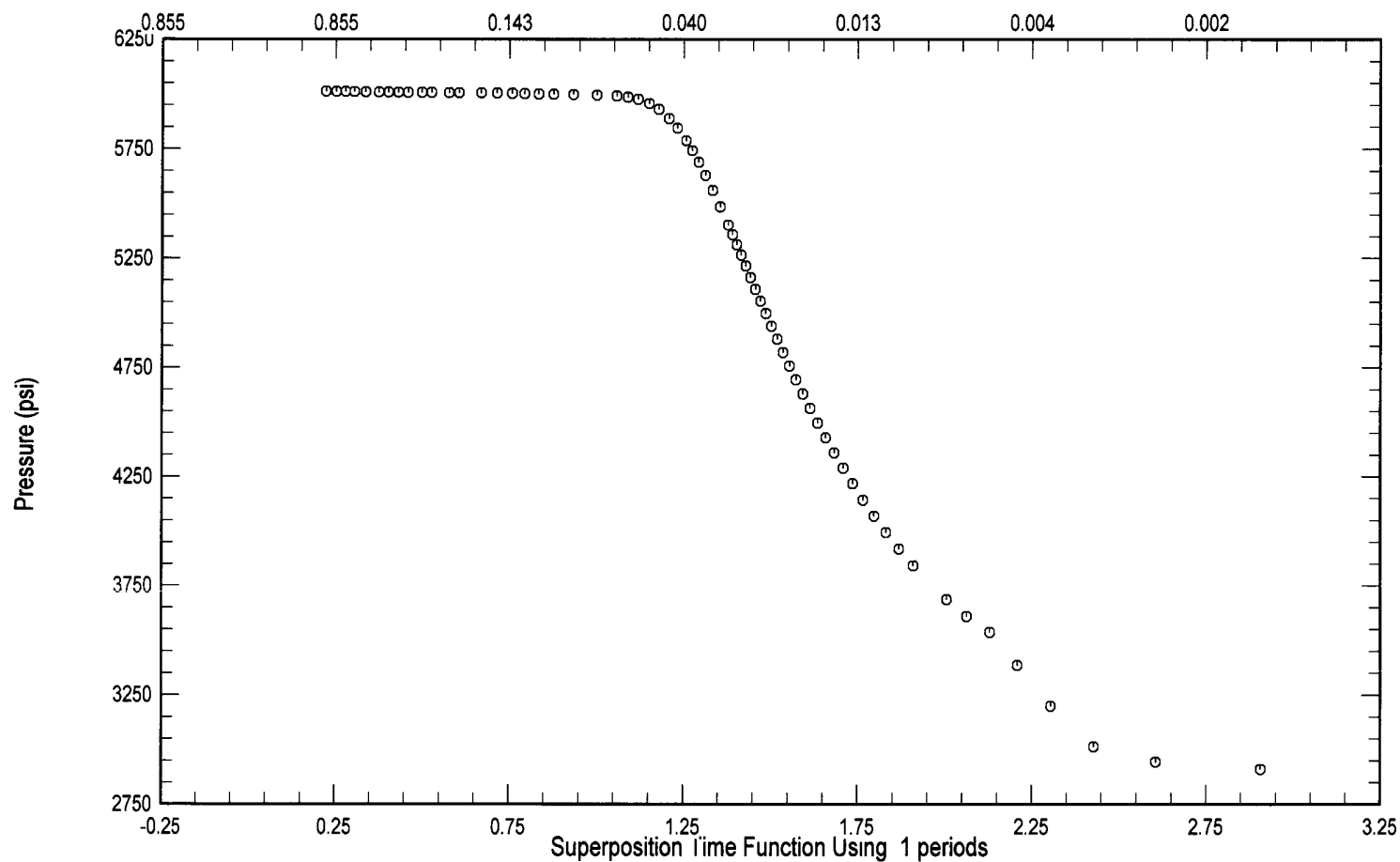
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Semi-log Plot - Second Shutin Period



Gauge Depth : 14380 ft TVD - 14380 ft MD

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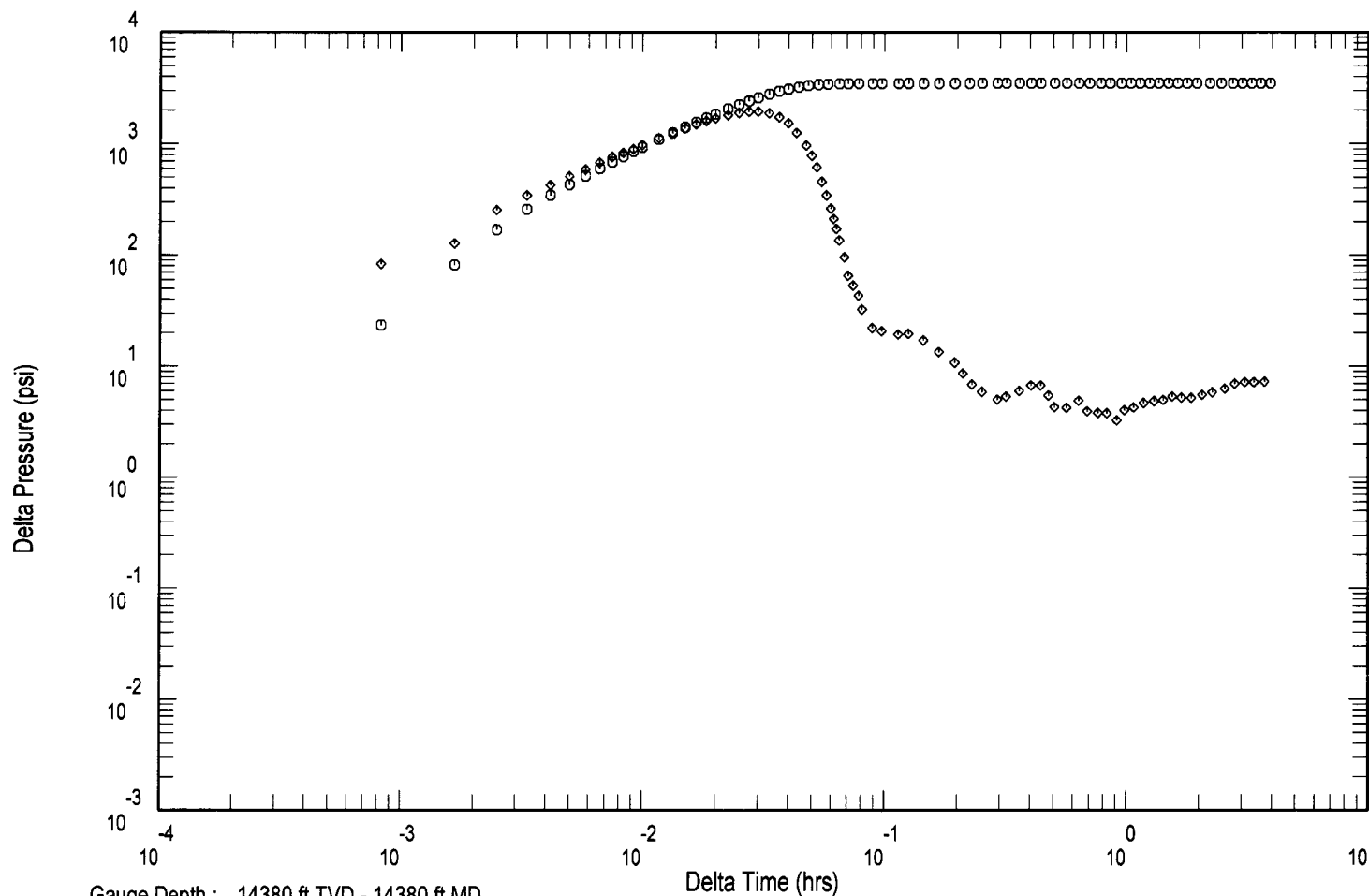
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Log-log Plot - Third Shutin Period



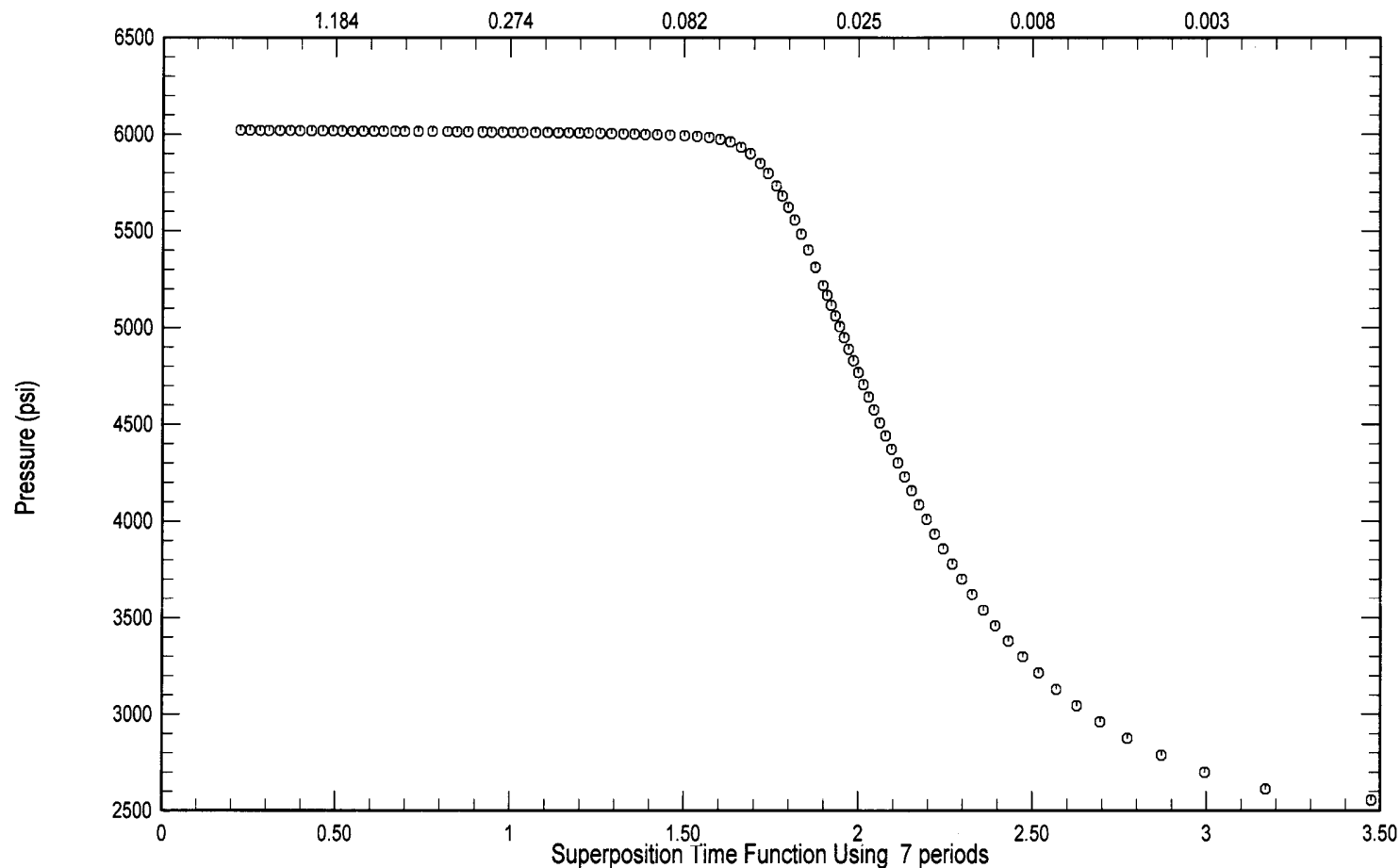
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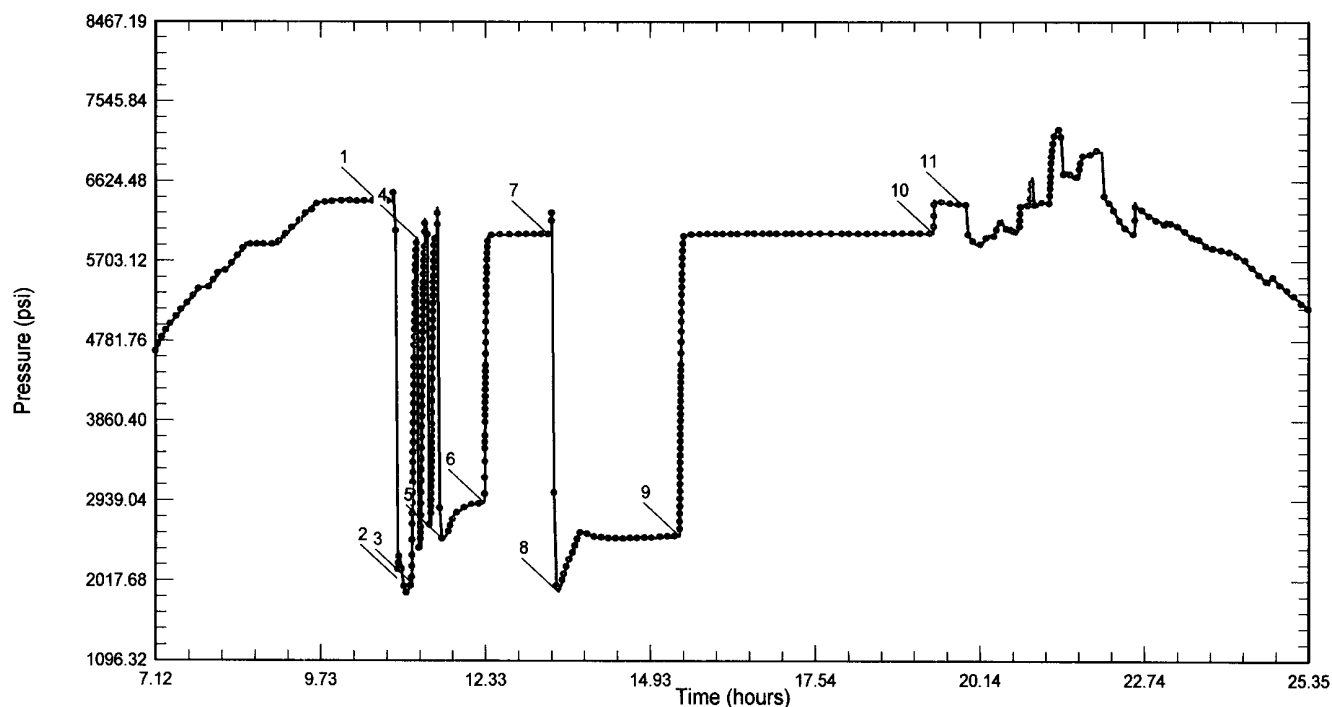
Semi-log Plot - Third Shutin Period



Gauge Depth : 14380 ft TVD - 14380 ft MD
 Gauge ID : SLSR-794

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Label Point Data
Devon Energy
Cased Hole/Ultra-Slim DST

CONFIDENTIAL**Rio Blanco 4 Fed. Com. 3****10809237****Wildcat****13-Aug-04**

Label Point / Comments	Date (dd-mmm-yy)	Time (hh:mm:ss)	Gauge ET (hours)	BHP (psia)	Rate (Mcf)
Label Point Summary					
1) Hydrostatic Pressure	13-Aug-04	8:26:33	10.626	6393.63	0
2) Start Flow	13-Aug-04	8:44:42	10.928	2041.66	1
3) End Flow & Start Shut-in	13-Aug-04	8:58:45	11.163	1985.98	0
4) End Shut-in	13-Aug-04	9:03:30	11.242	5960.87	0
5) Start Flow	13-Aug-04	9:27:45	11.646	2495.22	1
6) End Flow & Start Shut-in	13-Aug-04	10:07:51	12.314	2907.49	0
7) End Shut-in	13-Aug-04	11:08:03	13.318	6012.27	0
8) Start Flow	13-Aug-04	11:17:24	13.473	1888.46	1
9) End Flow & Start Shut-in	13-Aug-04	13:12:51	15.398	2530.69	0
10) End Shut-in	13-Aug-04	17:13:18	19.405	6020.73	0
11) Hydrostatic Pressure	13-Aug-04	17:40:42	19.862	6352.69	0

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Gauge Data
Devon Energy
Cased Hole/Ultra-Slim DST

CONFIDENTIAL**Rio Blanco 4 Fed. Com. 3****Gauge Serial # SLSR-794****10809237****Wildcat****August 13, 2004**

Date (dd-mmm-yy)	Time (hh:mm:ss)	Elapsed Time (hrs)	BHP (psia)	BHT (Deg F)	Comments
Initial Flow					
13-Aug-04	8:44:42	10.92833	2041.655	201.27	
13-Aug-04	8:47:39	10.97750	2311.043	201.72	
13-Aug-04	8:50:30	11.02500	2025.895	203.36	
13-Aug-04	8:53:24	11.07333	1871.385	204.37	
13-Aug-04	8:56:15	11.12083	1924.986	204.66	
Initial Shut-in					
13-Aug-04	8:58:45	11.16250	1985.981	204.55	
13-Aug-04	8:59:21	11.17250	2664.637	204.60	
13-Aug-04	8:59:45	11.17917	3142.185	204.71	
13-Aug-04	9:00:15	11.18750	3720.944	205.05	
13-Aug-04	9:00:39	11.19417	4162.937	205.50	
13-Aug-04	9:01:12	11.20333	4725.911	206.35	
13-Aug-04	9:01:36	11.21000	5088.121	207.12	
13-Aug-04	9:02:12	11.22000	5586.170	208.42	
13-Aug-04	9:02:33	11.22583	5744.879	209.17	
13-Aug-04	9:03:03	11.23417	5897.939	210.09	
Second Flow					
13-Aug-04	9:27:45	11.64583	2495.222	206.65	
13-Aug-04	9:35:51	11.78083	2660.602	201.51	
13-Aug-04	9:43:57	11.91583	2825.257	201.06	
13-Aug-04	9:52:00	12.05000	2870.835	199.89	
13-Aug-04	10:00:06	12.18500	2907.238	198.91	
Second Shut-in					
13-Aug-04	10:07:51	12.31417	2907.486	198.28	
13-Aug-04	10:14:00	12.41667	5999.101	202.23	
13-Aug-04	10:21:06	12.53500	6005.996	203.61	
13-Aug-04	10:26:30	12.62500	6006.843	203.45	
13-Aug-04	10:31:30	12.70833	6007.798	203.40	
13-Aug-04	10:38:42	12.82833	6009.215	203.40	
13-Aug-04	10:43:42	12.91167	6009.948	203.40	
13-Aug-04	10:50:54	13.03167	6010.793	203.36	
13-Aug-04	10:56:45	13.12917	6011.369	203.31	
13-Aug-04	11:02:57	13.23250	6011.944	203.25	
Third Flow					
13-Aug-04	11:17:24	13.47333	1888.457	195.28	
13-Aug-04	11:28:57	13.66583	2281.090	195.93	
13-Aug-04	11:40:48	13.86333	2572.431	195.57	

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Gauge Data
Devon Energy
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CONFIDENTIAL**Rio Blanco 4 Fed. Com. 3****Gauge Serial # SLSR-794****10809237****Wildcat****August 13, 2004**

Date (dd-mmm-yy)	Time (hh:mm:ss)	Elapsed Time (hrs)	BHP (psia)	BHT (Deg F)	Comments
13-Aug-04	11:52:30	14.05833	2519.823	194.02	
13-Aug-04	12:04:03	14.25083	2505.738	193.14	
13-Aug-04	12:15:36	14.44333	2502.556	192.42	
13-Aug-04	12:27:12	14.63667	2506.891	191.82	
13-Aug-04	12:38:45	14.82917	2519.549	191.37	
13-Aug-04	12:50:24	15.02333	2506.408	190.98	
13-Aug-04	13:02:00	15.21667	2536.006	190.69	
Third Shut-in					
13-Aug-04	13:12:51	15.39750	2530.686	190.47	
13-Aug-04	13:34:33	15.75917	6012.602	206.37	
13-Aug-04	13:57:27	16.14083	6015.664	203.86	
13-Aug-04	14:19:54	16.51500	6016.828	202.78	
13-Aug-04	14:42:27	16.89083	6017.713	202.35	
13-Aug-04	15:07:24	17.30667	6018.470	202.19	

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Gauge Comparison

Devon Energy

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Cased Hole/Ultra-Slim DST

Rio Blanco 4 Fed. Com. 3

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Wildcat

13-Aug-04

