



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary jr & Associates**

1515 Wynkoop
Suite 700
Denver, CO. 80202

ATTN: Neil Sharp

2-16s-17w-Rush

Younger-Dome #1-2

Start Date: 2011.03.05 @ 16:16:07

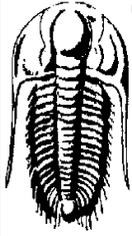
End Date: 2011.03.06 @ 01:37:52

Job Ticket #: 41717 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary jr & Associates

Younger-Dome #1-2

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ATTN: Neil Sharp

2-16s-17w-Rush

Job Ticket: 41717

DST#: 3

Test Start: 2011.03.05 @ 16:16:07

GENERAL INFORMATION:

Formation: **H-I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:58:07

Time Test Ended: 01:37:52

Test Type: Conventional Bottom Hole

Tester: JasonMcLemore

Unit No: 54

Interval: 3346.00 ft (KB) To 3405.00 ft (KB) (TVD)

Reference Elevations: 1913.00 ft (KB)

Total Depth: 3405.00 ft (KB) (TVD)

1903.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8673

Inside

Press @ Run Depth: 84.35 psig @ 3383.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.05

End Date:

2011.03.06

Last Calib.:

2011.03.06

Start Time: 16:16:09

End Time:

01:37:52

Time On Btm:

2011.03.05 @ 17:57:52

Time Off Btm:

2011.03.05 @ 23:08:07

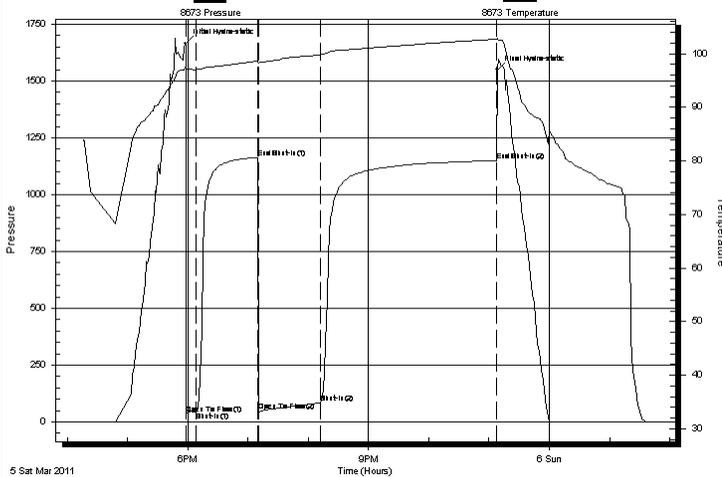
TEST COMMENT: IFP-10 Min-Fair Blow ,Built to 5-1/2"

ISI-60 Min-Dead

FFP-60 Min-Good Blow ,BOB in 14 Min.

FSI-180 Min-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.67	97.58	Initial Hydro-static
1	35.12	96.89	Open To Flow (1)
11	43.07	97.02	Shut-In(1)
72	1164.46	98.63	End Shut-In(1)
73	47.48	98.27	Open To Flow (2)
135	84.35	99.81	Shut-In(2)
310	1149.54	102.72	End Shut-In(2)
311	1549.96	102.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GWOCM-10%G-30%O-2%W-58%M	0.63
60.00	MW-95%W-5%M	0.84

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary jr & Associates

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Job Ticket: 41717

DST#: 3

Test Start: 2011.03.05 @ 16:16:07

Tool Information

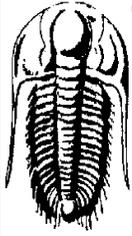
Drill Pipe:	Length: 3322.00 ft	Diameter: 3.80 inches	Volume: 46.60 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 46.60 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3346.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	94.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	6755	Fluid	3311.00	
Change Over Sub	5.00			3316.00	
Shut In Tool	5.00			3321.00	
Sampler	3.00			3324.00	
Hydraulic tool	5.00			3329.00	
Jars	5.00			3334.00	
Safety Joint	2.00			3336.00	
Packer	5.00			3341.00	35.00 Bottom Of Top Packer
Packer	5.00			3346.00	
Stubb	1.00			3347.00	
Perforations	3.00			3350.00	
Change Over Sub	1.00			3351.00	
Blank Spacing	31.00			3382.00	
Change Over Sub	1.00			3383.00	
Recorder	0.00	8673	Inside	3383.00	
Recorder	0.00	6668	Outside	3383.00	
Perforations	19.00			3402.00	
Bullnose	3.00			3405.00	59.00 Bottom Packers & Anchor

Total Tool Length: 94.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Younger-Dome #1-2

1515 Wynkoop
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ATTN: Neil Sharp

2-16s-17w-Rush

Job Ticket: 41717

DST#: 3

Test Start: 2011.03.05 @ 16:16:07

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 8.08 in³

Resistivity: ohm.m

Salinity: 5700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 120000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GWOCM-10%G-30%O-2%W-58%M	0.631
60.00	MW-95%W-5%M	0.842

Total Length: 105.00 ft Total Volume: 1.473 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler-250#-500ml-G-500ml-Oil-2000ml Salt Water



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

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Younger-Dome #1-2

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Job Ticket: 41717

DST#: 3

Test Start: 2011.03.05 @ 16:16:07

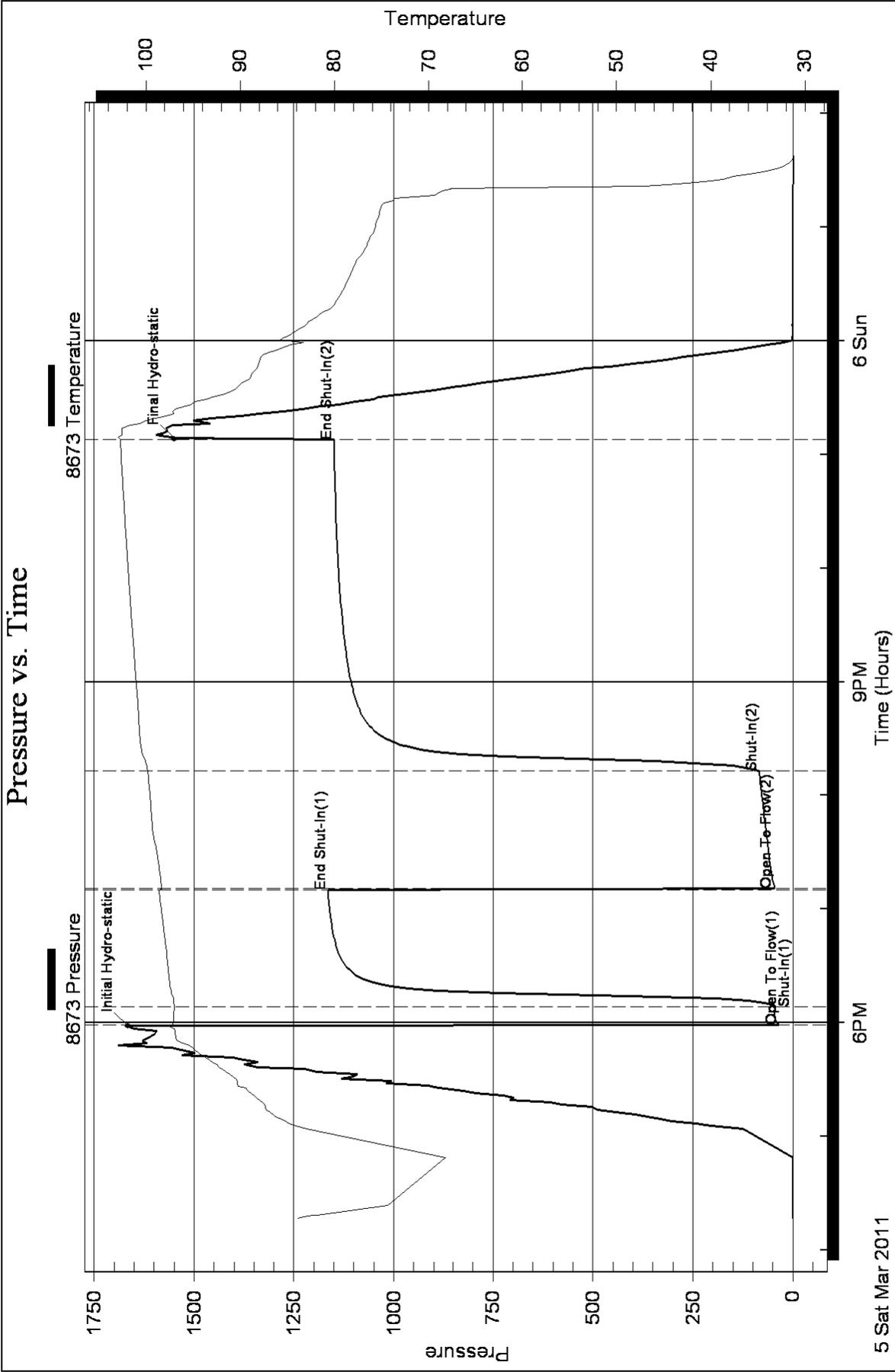
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00

Pressure vs. Time



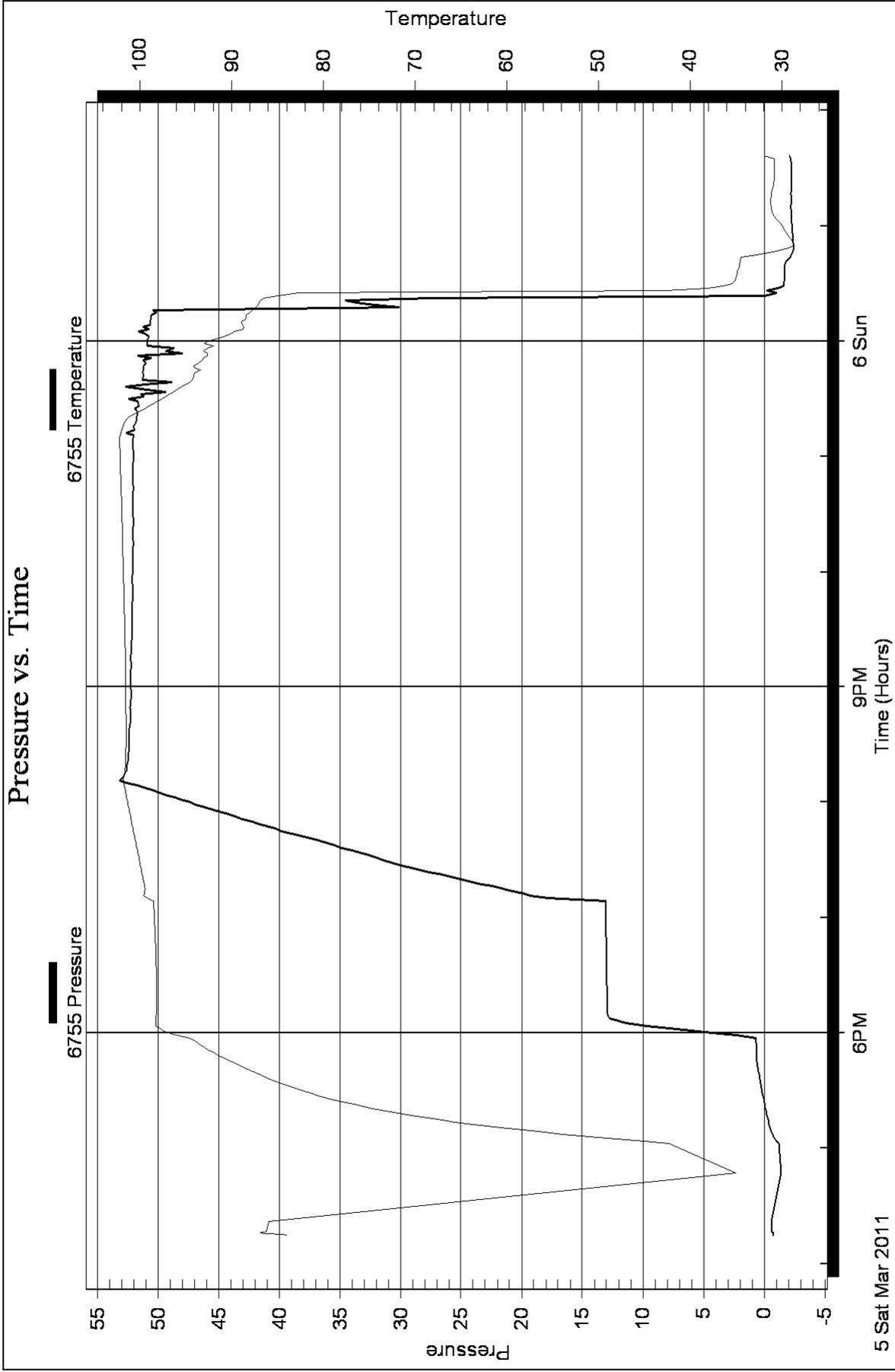
Serial #: 6755

Fluid

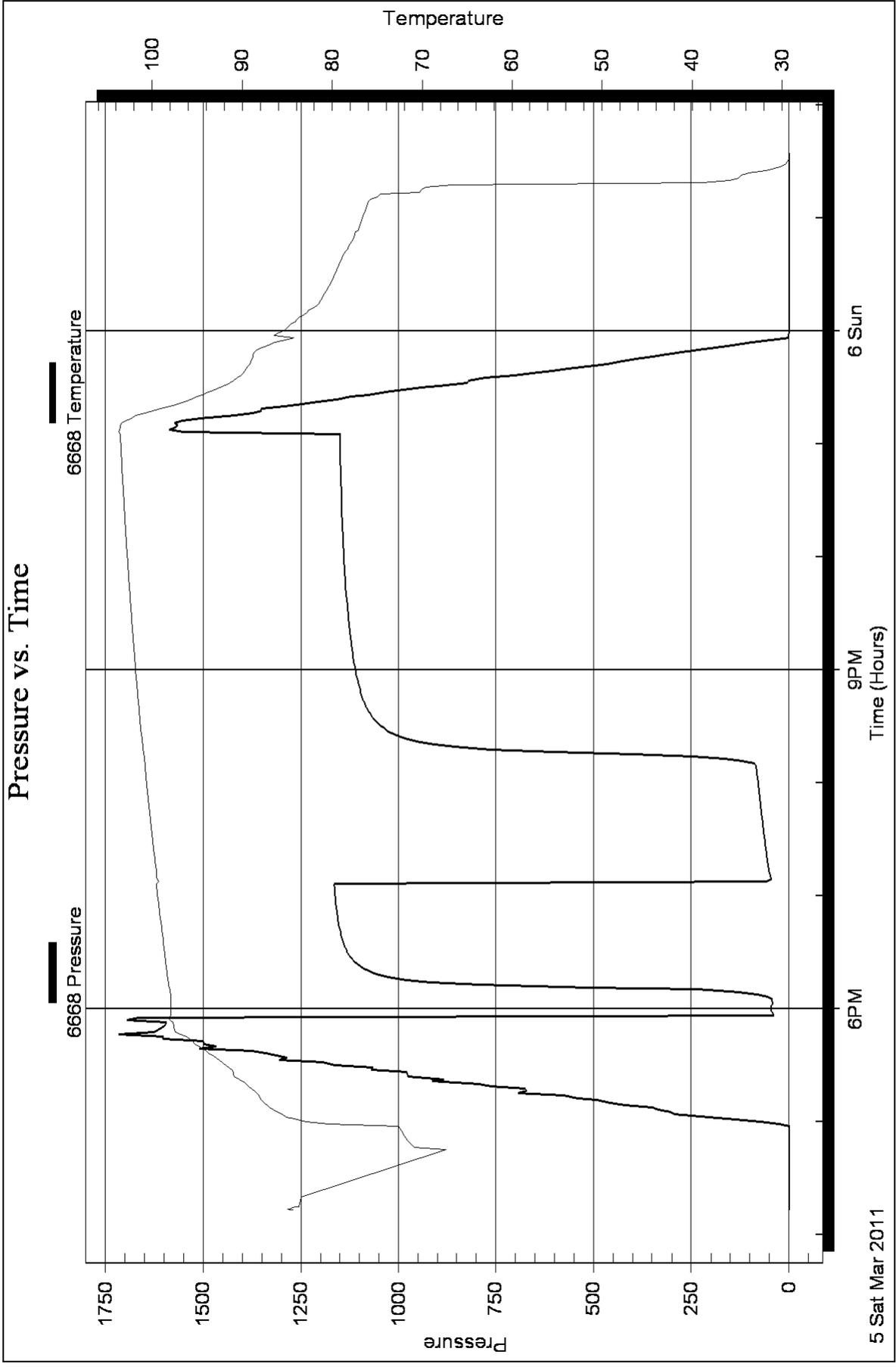
Samuel Gary jr & Associates

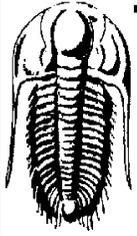
2-16s-17w-Rush

DST Test Number: 3



Pressure vs. Time





**TRILOBITE
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DRILL STEM TESTING - DATA LISTING

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DST#: 3

Test Start: 2011.03.05 @ 16:16:07

Serial # 8673 Inside				Serial # 8673 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	0.09	83.8		87.7	1497.80	94.5
	0.2	0.18	83.9		89.5	1545.97	95.0
	0.5	0.19	83.7		91.2	1689.33	95.4
	0.7	0.18	83.5		93.0	1651.05	96.2
	0.9	0.19	83.3		94.7	1620.61	96.8
	1.2	0.20	82.9		96.5	1606.64	96.9
	1.4	0.19	82.6		98.2	1594.84	96.9
	1.6	0.16	82.1		100.0	1649.63	97.0
	1.9	0.17	81.8		101.2	1664.24	97.5
	22.0	0.18	67.1		101.5	1665.16	97.6
	47.5	124.25	83.0	Initial Hydro-static	101.7	1665.67	97.6
	49.2	201.36	84.5	Open To Flow (1)	102.0	35.12	96.9
	51.0	276.64	85.1		102.2	35.36	97.1
	52.7	334.12	85.9		102.5	36.21	97.2
	54.5	394.67	86.4		104.2	42.09	97.1
	56.2	443.95	86.8		106.0	45.00	97.1
	58.0	560.37	87.3		107.7	46.59	97.0
	59.7	588.70	87.4		109.5	42.02	97.0
	61.5	646.89	87.7		111.2	43.34	97.0
	63.2	658.90	88.1		111.5	43.24	97.0
	65.0	726.03	88.5		111.7	43.20	97.0
	66.7	779.03	89.0	Shut-In(1)	112.0	43.07	97.0
	68.5	839.08	89.3		112.2	44.09	97.0
	70.2	887.42	90.2		112.5	47.89	97.0
	72.0	980.29	90.3		112.7	52.15	97.0
	73.7	1131.02	90.5		114.5	92.31	97.0
	75.5	1193.77	90.9		116.2	192.91	97.1
	77.2	1254.17	91.4		118.0	555.08	97.2
	79.0	1246.05	92.0		119.7	868.20	97.3
	80.7	1284.16	92.4		121.5	975.29	97.4
	82.5	1341.04	93.0		123.2	1025.95	97.5
	84.2	1461.62	93.5		125.0	1057.56	97.5
	86.0	1436.78	93.9		126.7	1079.00	97.5

Printing every 7 samples

Serial # 8673 Inside				Serial # 8673 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	128.5	1094.84	97.6		187.2	56.41	98.7
	130.2	1106.28	97.6		189.0	57.78	98.7
	132.0	1115.07	97.6		190.7	59.06	98.8
	133.7	1122.05	97.7		192.5	59.84	98.8
	135.5	1127.60	97.7		194.2	60.71	98.8
	137.2	1132.16	97.7		196.0	61.76	98.9
	139.0	1136.39	97.8		197.7	62.81	99.1
	140.7	1139.53	97.8		199.5	63.85	99.1
	142.5	1142.40	97.9		201.2	64.75	99.2
	144.2	1144.95	97.9		203.0	65.86	99.2
	146.0	1147.11	97.9		204.7	66.86	99.3
	147.7	1149.11	98.0		206.5	67.79	99.3
	149.5	1150.90	98.0		208.2	68.80	99.3
	151.2	1152.46	98.1		210.0	70.25	99.4
	153.0	1153.94	98.1		211.7	70.91	99.4
	154.7	1155.28	98.2		213.5	71.99	99.4
	156.5	1156.41	98.2		215.2	73.06	99.5
	158.2	1157.62	98.2		217.0	73.82	99.5
	160.0	1158.69	98.3		218.7	74.48	99.5
	161.7	1159.60	98.3		220.5	75.63	99.5
	163.5	1160.45	98.4		222.2	76.50	99.6
	165.2	1161.29	98.4		224.0	77.53	99.6
	167.0	1162.05	98.5		225.7	78.41	99.6
	168.7	1162.73	98.5		227.5	79.48	99.6
	170.5	1163.37	98.6		229.2	80.47	99.7
	172.2	1164.27	98.6		231.0	81.10	99.7
	173.0	1164.40	98.6		232.7	82.08	99.8
	173.2	1164.44	98.6		234.5	83.24	99.8
End Shut-In(1)	173.5	1164.46	98.6		235.7	84.22	99.8
	173.7	1164.53	98.6		236.0	84.27	99.8
	174.0	68.80	98.0	Shut-In(2)	236.2	84.35	99.8
Open To Flow (2)	174.2	47.48	98.3		236.5	87.45	99.8
	174.5	46.16	98.3		236.7	92.48	99.8
	174.7	45.45	98.4		237.0	97.76	99.8
	175.0	45.90	98.4		238.7	149.28	99.9
	176.7	48.15	98.4		240.5	258.39	100.0
	178.5	49.93	98.4		242.2	503.13	100.1
	180.2	51.54	98.5		244.0	748.86	100.3
	182.0	53.11	98.5		245.7	873.03	100.4
	183.7	53.88	98.6		247.5	934.37	100.5
	185.5	55.29	98.6		249.2	972.14	100.5

Printing every 7 samples

Serial # 8673 Inside				Serial # 8673 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	251.0	997.81	100.6		322.7	1131.05	101.6
	252.7	1016.80	100.6		324.5	1132.30	101.6
	254.5	1031.65	100.6		326.2	1133.02	101.7
	256.2	1043.20	100.7		328.0	1133.74	101.7
	258.0	1052.63	100.7		329.7	1134.38	101.7
	259.7	1060.67	100.7		331.5	1134.98	101.7
	261.5	1067.21	100.7		333.2	1135.56	101.8
	263.2	1073.02	100.8		335.0	1136.02	101.8
	265.0	1078.10	100.8		336.7	1136.57	101.8
	266.7	1082.38	100.8		338.5	1137.03	101.8
	268.5	1086.29	100.8		340.2	1137.52	101.9
	270.2	1089.84	100.9		342.0	1138.02	101.9
	272.0	1093.06	100.9		343.7	1138.51	101.9
	273.7	1095.45	100.9		345.5	1138.86	101.9
	275.5	1097.48	100.9		347.2	1139.25	102.0
	277.2	1099.76	100.9		349.0	1139.70	102.0
	279.0	1101.84	101.0		350.7	1140.06	102.0
	280.7	1103.86	101.0		352.5	1140.48	102.0
	282.5	1105.72	101.0		354.2	1140.89	102.0
	284.2	1107.58	101.0		356.0	1141.27	102.1
	286.0	1109.33	101.1		357.7	1141.62	102.1
	287.7	1111.04	101.1		359.5	1141.95	102.1
	289.5	1112.36	101.1		361.2	1142.24	102.1
	291.2	1113.72	101.2		363.0	1142.98	102.2
	293.0	1115.06	101.2		364.7	1142.96	102.2
	294.7	1116.26	101.2		366.5	1143.33	102.2
	296.5	1117.57	101.2		368.2	1143.59	102.2
	298.2	1118.74	101.3		370.0	1144.21	102.2
	300.0	1119.81	101.3		371.7	1144.49	102.3
	301.7	1120.78	101.3		373.5	1144.48	102.3
	303.5	1121.91	101.3		375.2	1145.10	102.3
	305.2	1122.85	101.4		377.0	1145.35	102.3
	307.0	1123.83	101.4		378.7	1145.58	102.3
	308.7	1124.80	101.4		380.5	1145.84	102.4
	310.5	1125.55	101.4		382.2	1146.13	102.4
	312.2	1126.37	101.5		384.0	1146.39	102.4
	314.0	1127.19	101.5		385.7	1146.29	102.4
	315.7	1128.11	101.5		387.5	1146.87	102.5
	317.5	1128.78	101.5		389.2	1147.11	102.5
	319.2	1129.50	101.6		391.0	1147.32	102.5
	321.0	1130.13	101.6		392.7	1147.53	102.5

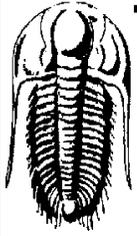
Printing every 7 samples

Serial # 8673 Inside				Serial # 8673 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	394.5	1147.75	102.5		453.0	350.66	87.9
	396.2	1148.01	102.6		454.7	284.83	87.8
	398.0	1148.25	102.6		456.5	231.16	87.4
	399.7	1148.42	102.6		458.2	145.21	86.4
	401.5	1148.61	102.6		460.0	99.27	85.3
	403.2	1148.86	102.6		461.7	31.87	84.3
	405.0	1149.08	102.7		463.5	0.74	85.9
	406.7	1149.24	102.7		465.2	1.54	85.4
	408.5	1149.39	102.7		467.0	0.40	84.6
	410.2	1149.48	102.7		468.7	0.27	84.1
	410.7	1149.51	102.7		470.5	0.36	83.4
	411.0	1149.53	102.7		472.2	0.53	83.0
End Shut-In(2)	411.2	1149.54	102.7		474.0	0.10	82.6
	411.5	1149.62	102.7		475.7	0.09	82.0
	411.7	931.26	102.6		477.5	-0.14	81.6
Final Hydro-static	412.0	1549.96	102.9		479.2	-0.22	80.7
	412.2	1558.60	102.8		481.0	-0.07	80.3
	412.5	1555.93	102.9		482.7	0.08	80.0
	412.7	1552.79	102.9		484.5	0.14	79.8
	414.5	1581.13	102.5		486.2	0.15	79.6
	416.2	1566.43	102.5		488.0	0.17	79.4
	418.0	1572.21	102.4		489.7	0.22	79.1
	419.7	1475.41	100.9		491.5	0.25	79.0
	421.5	1434.99	100.1		493.2	0.25	78.8
	423.2	1427.12	98.1		495.0	0.27	78.6
	425.0	1337.67	97.1		496.7	0.25	78.5
	426.7	1292.46	97.2		498.5	0.22	78.3
	428.5	1212.90	96.0		500.2	0.22	78.1
	430.2	1158.67	95.1		502.0	0.22	78.0
	432.0	1120.41	93.9		503.7	0.23	77.8
	433.7	1037.57	93.0		505.5	0.20	77.7
	435.5	988.54	91.5		507.2	0.14	77.5
	437.2	903.08	90.8		509.0	0.15	77.1
	439.0	855.82	90.3		510.7	0.18	76.9
	440.7	768.75	90.1		512.5	0.20	76.7
	442.5	731.39	89.2		514.2	0.21	76.5
	444.2	648.45	88.9		516.0	0.23	76.4
	446.0	597.13	88.7		517.7	0.15	76.3
	447.7	527.31	88.4		519.5	0.13	76.1
	449.5	473.88	88.2		521.2	0.22	75.8
	451.2	401.23	88.0		523.0	0.22	75.7

Printing every 7 samples

Serial # 8673 Inside				Serial # 6755 Fluid			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	524.7	0.19	75.6				
	526.5	0.21	75.5				
	528.2	0.24	75.4				
	530.0	0.28	75.3				
	531.7	0.29	75.2				
	533.5	0.24	75.1				
	535.2	0.04	74.9				
	537.0	-0.07	74.1				
	538.7	0.16	73.7				
	540.5	-0.29	69.2				
	542.2	-0.32	68.7				
	544.0	-0.22	67.5				
	545.7	-0.87	44.7				
	547.5	-1.45	40.8				
	549.2	-1.64	38.1				
	551.0	-1.79	36.3				
	552.7	-1.87	34.2				
	554.5	-1.94	32.9				
	556.2	-1.94	32.0				
	558.0	-1.92	31.6				
	559.7	-1.95	31.3				
	561.5	-0.63	31.2				
	561.7	-0.49	31.2				

Printing every 6 samples



**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

Samuel Gary jr & Associates

Younger-Dome #1-2

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

2-16s-17w-Rush

Job Ticket: 41717

DST#: 3

Test Start: 2011.03.05 @ 16:16:07

Serial # 6755 Fluid				Serial # 6755 Fluid			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	-0.73	84.1		79.5	0.31	84.9
	0.2	-0.72	84.6		81.0	0.35	85.7
	0.4	-0.73	85.3		82.5	0.39	86.5
	0.6	-0.76	85.8		84.0	0.43	87.2
	0.8	-0.77	86.4		85.5	0.47	87.9
	1.0	-0.77	86.8		87.0	0.51	88.6
	1.2	-0.75	86.9		88.5	0.57	89.3
	1.4	-0.73	86.7		90.0	0.61	90.0
	1.6	-0.68	86.5		91.5	0.63	90.6
	1.8	-0.63	86.3		93.0	0.64	91.3
	7.0	-0.56	86.0		94.5	0.63	91.9
	37.0	-1.51	34.6		96.0	0.62	92.5
	48.0	-1.14	43.3		97.5	0.63	93.0
	49.5	-0.92	46.7		99.0	0.64	93.4
	51.0	-0.81	50.4		100.5	0.65	93.8
	52.5	-0.69	53.8		102.0	0.67	94.2
	54.0	-0.57	57.1		103.5	2.10	95.6
	55.5	-0.48	60.0		105.0	4.30	96.8
	57.0	-0.43	62.7		106.5	6.80	97.6
	58.5	-0.37	65.2		108.0	8.44	97.9
	60.0	-0.31	67.5		109.5	10.59	98.3
	61.5	-0.24	69.6		111.0	11.89	98.3
	63.0	-0.20	71.5		112.5	12.70	98.3
	64.5	-0.15	73.2		114.0	12.56	98.2
	66.0	-0.10	74.8		115.5	12.92	98.2
	67.5	-0.06	76.3		117.0	12.92	98.2
	69.0	-0.02	77.8		118.5	12.93	98.2
	70.5	0.04	79.1		120.0	12.94	98.2
	72.0	0.11	80.2		121.5	12.93	98.2
	73.5	0.16	81.3		123.0	12.93	98.2
	75.0	0.19	82.3		124.5	12.92	98.2
	76.5	0.23	83.2		126.0	12.94	98.2
	78.0	0.26	84.1		127.5	12.93	98.2

Printing every 6 samples

Serial # 6755				Serial # 6755			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	129.0	12.93	98.2		190.5	29.03	99.8
	130.5	12.94	98.2		192.0	29.88	99.9
	132.0	12.95	98.2		193.5	30.56	100.0
	133.5	12.96	98.2		195.0	31.48	100.0
	135.0	12.98	98.2		196.5	32.38	100.1
	136.5	12.97	98.2		198.0	33.11	100.2
	138.0	12.97	98.2		199.5	33.80	100.2
	139.5	12.98	98.2		201.0	34.68	100.3
	141.0	12.96	98.2		202.5	35.53	100.3
	142.5	12.96	98.2		204.0	36.15	100.4
	144.0	12.96	98.2		205.5	37.03	100.5
	145.5	12.97	98.2		207.0	37.93	100.5
	147.0	12.98	98.2		208.5	38.89	100.6
	148.5	12.98	98.3		210.0	39.85	100.7
	150.0	12.98	98.3		211.5	40.52	100.7
	151.5	12.98	98.3		213.0	41.40	100.8
	153.0	12.98	98.3		214.5	42.24	100.9
	154.5	13.00	98.3		216.0	42.89	100.9
	156.0	13.00	98.3		217.5	43.70	101.0
	157.5	13.01	98.3		219.0	44.42	101.1
	159.0	13.01	98.3		220.5	45.21	101.1
	160.5	13.02	98.4		222.0	45.93	101.2
	162.0	13.02	98.4		223.5	46.61	101.2
	163.5	13.04	98.4		225.0	47.42	101.3
	165.0	13.05	98.4		226.5	48.15	101.4
	166.5	13.04	98.4		228.0	48.95	101.5
	168.0	13.04	98.4		229.5	49.74	101.5
	169.5	13.04	98.4		231.0	50.40	101.6
	171.0	13.03	98.5		232.5	51.20	101.6
	172.5	13.03	98.5		234.0	51.85	101.7
	174.0	13.07	98.5		235.5	53.18	101.7
	175.5	17.97	99.5		237.0	53.05	101.8
	177.0	19.51	99.5		238.5	52.88	101.7
	178.5	20.49	99.5		240.0	52.74	101.7
	180.0	21.49	99.4		241.5	52.62	101.6
	181.5	22.47	99.5		243.0	52.57	101.6
	183.0	23.73	99.5		244.5	52.54	101.6
	184.5	24.73	99.6		246.0	52.52	101.6
	186.0	25.72	99.7		247.5	52.46	101.5
	187.5	26.89	99.7		249.0	52.45	101.5
	189.0	28.13	99.8		250.5	52.44	101.5

Printing every 6 samples

Serial # 6755				Serial # 6755			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	252.0	52.40	101.5		313.5	52.12	101.6
	253.5	52.40	101.5		315.0	52.14	101.6
	255.0	52.39	101.5		316.5	52.15	101.6
	256.5	52.37	101.5		318.0	52.14	101.6
	258.0	52.36	101.5		319.5	52.13	101.6
	259.5	52.37	101.5		321.0	52.13	101.7
	261.0	52.36	101.5		322.5	52.14	101.7
	262.5	52.34	101.5		324.0	52.13	101.7
	264.0	52.34	101.5		325.5	52.11	101.7
	265.5	52.32	101.5		327.0	52.13	101.7
	267.0	52.27	101.5		328.5	52.13	101.7
	268.5	52.26	101.5		330.0	52.12	101.7
	270.0	52.28	101.5		331.5	52.09	101.7
	271.5	52.29	101.5		333.0	52.08	101.7
	273.0	52.28	101.5		334.5	52.08	101.7
	274.5	52.29	101.5		336.0	52.09	101.7
	276.0	52.28	101.5		337.5	52.10	101.7
	277.5	52.24	101.5		339.0	52.10	101.7
	279.0	52.22	101.5		340.5	52.12	101.8
	280.5	52.17	101.5		342.0	52.11	101.8
	282.0	52.19	101.5		343.5	52.12	101.8
	283.5	52.26	101.5		345.0	52.10	101.8
	285.0	52.26	101.5		346.5	52.08	101.8
	286.5	52.24	101.5		348.0	52.08	101.8
	288.0	52.24	101.5		349.5	52.06	101.8
	289.5	52.23	101.5		351.0	52.05	101.8
	291.0	52.22	101.5		352.5	52.06	101.8
	292.5	52.23	101.5		354.0	52.06	101.8
	294.0	52.23	101.6		355.5	52.06	101.8
	295.5	52.22	101.6		357.0	52.05	101.8
	297.0	52.21	101.6		358.5	52.03	101.9
	298.5	52.22	101.6		360.0	52.02	101.9
	300.0	52.23	101.6		361.5	52.04	101.9
	301.5	52.23	101.6		363.0	52.05	101.9
	303.0	52.23	101.6		364.5	52.05	101.9
	304.5	52.19	101.6		366.0	52.07	101.9
	306.0	52.19	101.6		367.5	52.07	101.9
	307.5	52.18	101.6		369.0	52.02	101.9
	309.0	52.20	101.6		370.5	51.99	101.9
	310.5	52.18	101.6		372.0	52.00	101.9
	312.0	52.14	101.6		373.5	52.03	101.9

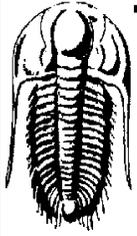
Printing every 6 samples

Serial # 6755				Serial # 6755			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	375.0	52.05	101.9		436.5	51.42	97.1
	376.5	52.06	102.0		438.0	51.41	96.7
	378.0	52.04	102.0		439.5	49.41	96.1
	379.5	52.04	102.0		441.0	52.04	95.5
	381.0	52.05	102.0		442.5	51.07	95.0
	382.5	52.06	102.0		444.0	51.28	94.5
	384.0	52.05	102.0		445.5	51.31	94.2
	385.5	52.04	102.0		447.0	49.89	94.1
	387.0	52.04	102.0		448.5	48.37	94.0
	388.5	52.02	102.0		450.0	51.18	93.3
	390.0	52.06	102.0		451.5	49.14	93.9
	391.5	52.09	102.0		453.0	51.29	93.8
	393.0	52.08	102.1		454.5	51.33	93.7
	394.5	52.07	102.1		456.0	51.11	93.1
	396.0	52.09	102.1		457.5	51.71	92.7
	397.5	52.08	102.1		459.0	51.01	93.0
	399.0	52.07	102.1		460.5	50.99	92.4
	400.5	52.05	102.1		462.0	51.60	91.9
	402.0	52.04	102.1		463.5	48.97	93.1
	403.5	52.02	102.1		465.0	50.89	92.6
	405.0	52.00	102.1		466.5	54.57	91.6
	406.5	52.00	102.1		468.0	50.80	90.8
	408.0	52.02	102.1		469.5	50.78	89.8
	409.5	52.09	102.2		471.0	50.80	88.9
	411.0	52.11	102.2		472.5	51.25	88.7
	412.5	52.08	102.2		474.0	50.68	88.9
	414.0	52.04	102.2		475.5	50.54	88.5
	415.5	52.02	102.2		477.0	50.57	88.4
	417.0	52.06	102.1		478.5	50.56	88.4
	418.5	51.95	102.0		480.0	50.13	88.0
	420.0	52.00	101.9		481.5	49.97	87.7
	421.5	51.98	101.7		483.0	30.76	87.3
	423.0	52.78	101.6		484.5	33.29	87.0
	424.5	50.52	101.4		486.0	34.53	86.9
	426.0	51.79	101.1		487.5	27.37	86.5
	427.5	51.68	100.5		489.0	-0.05	84.3
	429.0	52.68	99.8		490.5	0.01	59.1
	430.5	52.08	99.3		492.0	-0.87	39.3
	432.0	51.56	98.7		493.5	-1.56	36.7
	433.5	51.63	98.2		495.0	-1.64	35.5
	435.0	52.42	97.6		496.5	-1.67	35.1

Printing every 6 samples

Serial # 6755 Fluid				Serial # 6755 Fluid			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	498.0	-1.67	35.0		559.5	-2.27	30.8
	499.5	-1.67	34.9		561.0	-2.21	30.8
	501.0	-1.68	34.8		561.2	-2.09	31.9
	502.5	-1.67	34.8				
	504.0	-1.66	34.6				
	505.5	-1.71	34.6				
	507.0	-1.87	34.5				
	508.5	-1.69	34.5				
	510.0	-2.22	32.7				
	511.5	-2.35	30.8				
	513.0	-2.41	29.5				
	514.5	-2.44	28.8				
	516.0	-2.41	28.7				
	517.5	-2.39	28.9				
	519.0	-2.38	29.2				
	520.5	-2.36	29.4				
	522.0	-2.35	29.6				
	523.5	-2.32	29.8				
	525.0	-2.29	29.9				
	526.5	-2.28	30.2				
	528.0	-2.26	30.5				
	529.5	-2.24	30.8				
	531.0	-2.24	30.9				
	532.5	-2.23	31.1				
	534.0	-2.22	31.2				
	535.5	-2.21	31.2				
	537.0	-2.23	31.2				
	538.5	-2.24	31.2				
	540.0	-2.23	31.2				
	541.5	-2.22	31.2				
	543.0	-2.22	31.1				
	544.5	-2.23	31.0				
	546.0	-2.25	31.0				
	547.5	-2.25	30.9				
	549.0	-2.25	30.9				
	550.5	-2.26	30.8				
	552.0	-2.25	30.8				
	553.5	-2.26	30.8				
	555.0	-2.25	30.8				
	556.5	-2.24	30.8				
	558.0	-2.22	30.8				

Printing every 6 samples



**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

Samuel Gary jr & Associates

Younger-Dome #1-2

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

2-16s-17w-Rush

Job Ticket: 41717

DST#: 3

Test Start: 2011.03.05 @ 16:16:07

Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	-0.55	84.3		65.2	730.30	89.2
	0.2	-0.73	84.8		66.7	792.72	89.5
	0.4	-0.76	84.9		68.2	914.28	89.9
	0.6	-0.76	84.8		69.7	884.21	90.4
	0.8	-0.76	84.7		71.2	947.11	90.9
	1.0	-0.77	84.6		72.7	1007.42	91.0
	1.2	-0.76	84.5		74.2	1109.51	91.2
	1.4	-0.74	84.3		75.7	1065.77	91.5
	1.6	-0.73	84.1		77.2	1160.99	91.9
	1.8	-0.71	83.8		78.7	1224.35	92.3
	7.0	-0.73	83.5		80.2	1238.63	92.8
	32.2	-0.79	70.6		81.7	1309.02	93.2
	33.7	-0.83	71.0		83.2	1339.44	93.7
	35.2	-0.83	71.4		84.7	1490.70	94.1
	36.7	-0.83	71.6		86.2	1437.45	94.6
	38.2	-0.82	71.8		87.7	1522.83	95.0
	39.7	-0.84	72.0		89.2	1532.14	95.5
	41.2	-0.85	72.2		90.7	1602.59	95.8
	42.7	-0.86	72.5		92.2	1621.93	96.4
	44.2	-0.86	72.6		93.7	1631.11	97.1
	45.7	26.04	80.4		95.2	1619.61	97.5
	47.2	113.20	83.1		96.7	1607.64	97.6
	48.7	152.91	84.6		98.2	1597.06	97.6
	50.2	242.85	85.5		99.7	1618.49	97.7
	51.7	303.54	85.9		101.2	1661.53	98.1
	53.2	333.78	86.6		102.7	35.44	97.9
	54.7	426.38	87.1		104.2	40.95	97.9
	56.2	425.59	87.4		105.7	44.63	97.9
	57.7	487.82	87.8		107.2	45.34	97.9
	59.2	517.66	88.0		108.7	47.78	97.9
	60.7	577.59	88.2		110.2	42.06	97.9
	62.2	639.77	88.4		111.7	43.02	97.9
	63.7	728.74	88.8		113.2	53.48	97.9

Printing every 6 samples

Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	114.7	87.56	98.0		176.2	46.24	99.5
	116.2	158.58	98.0		177.7	48.58	99.5
	117.7	374.42	98.0		179.2	49.64	99.5
	119.2	750.08	98.1		180.7	51.14	99.6
	120.7	917.21	98.2		182.2	52.37	99.6
	122.2	988.07	98.3		183.7	53.12	99.6
	123.7	1028.33	98.3		185.2	54.24	99.7
	125.2	1055.72	98.4		186.7	55.31	99.7
	126.7	1074.97	98.4		188.2	56.40	99.8
	128.2	1089.74	98.4		189.7	57.25	99.8
	129.7	1101.11	98.5		191.2	58.46	99.8
	131.2	1109.85	98.5		192.7	59.06	99.9
	132.7	1116.83	98.5		194.2	59.81	99.9
	134.2	1122.63	98.6		195.7	60.64	99.9
	135.7	1127.33	98.6		197.2	61.45	100.0
	137.2	1131.38	98.6		198.7	62.32	100.0
	138.7	1135.33	98.7		200.2	63.50	100.0
	140.2	1138.06	98.7		201.7	64.02	100.1
	141.7	1140.77	98.7		203.2	65.20	100.1
	143.2	1143.09	98.8		204.7	66.03	100.1
	144.7	1145.29	98.8		206.2	66.84	100.2
	146.2	1147.12	98.9		207.7	67.76	100.2
	147.7	1148.87	98.9		209.2	68.70	100.2
	149.2	1150.48	98.9		210.7	69.81	100.3
	150.7	1151.84	99.0		212.2	70.33	100.3
	152.2	1153.05	99.0		213.7	71.34	100.3
	153.7	1154.38	99.1		215.2	72.26	100.4
	155.2	1155.47	99.1		216.7	73.06	100.4
	156.7	1156.51	99.1		218.2	73.69	100.4
	158.2	1157.50	99.2		219.7	74.37	100.5
	159.7	1158.42	99.2		221.2	75.31	100.5
	161.2	1159.26	99.3		222.7	76.18	100.5
	162.7	1160.01	99.3		224.2	76.99	100.6
	164.2	1160.77	99.3		225.7	77.66	100.6
	165.7	1161.33	99.4		227.2	78.53	100.6
	167.2	1162.02	99.4		228.7	79.38	100.7
	168.7	1162.60	99.4		230.2	80.17	100.7
	170.2	1163.32	99.5		231.7	80.92	100.7
	171.7	1163.68	99.5		233.2	81.60	100.7
	173.2	1164.38	99.6		234.7	82.53	100.8
	174.7	45.48	99.4		236.2	83.88	100.8

Printing every 6 samples

Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	237.7	106.12	100.8		299.2	1119.37	102.0
	239.2	153.99	100.9		300.7	1120.25	102.1
	240.7	245.82	100.9		302.2	1121.19	102.1
	242.2	439.98	100.9		303.7	1122.02	102.1
	243.7	671.43	101.0		305.2	1122.93	102.1
	245.2	822.95	101.0		306.7	1123.86	102.2
	246.7	899.13	101.1		308.2	1124.47	102.2
	248.2	944.01	101.1		309.7	1125.39	102.2
	249.7	974.42	101.1		311.2	1126.02	102.2
	251.2	996.47	101.2		312.7	1126.63	102.3
	252.7	1013.48	101.2		314.2	1127.35	102.3
	254.2	1027.14	101.2		315.7	1128.09	102.3
	255.7	1038.06	101.3		317.2	1128.75	102.3
	257.2	1047.11	101.3		318.7	1129.38	102.4
	258.7	1054.83	101.3		320.2	1129.97	102.4
	260.2	1061.53	101.4		321.7	1130.50	102.4
	261.7	1067.16	101.4		323.2	1131.42	102.4
	263.2	1072.23	101.4		324.7	1132.40	102.4
	264.7	1076.61	101.4		326.2	1133.13	102.5
	266.2	1080.72	101.5		327.7	1133.72	102.5
	267.7	1084.56	101.5		329.2	1134.33	102.5
	269.2	1087.40	101.5		330.7	1134.87	102.5
	270.7	1090.42	101.6		332.2	1135.40	102.6
	272.2	1093.23	101.6		333.7	1135.79	102.6
	273.7	1095.40	101.6		335.2	1136.23	102.6
	275.2	1096.91	101.6		336.7	1136.76	102.6
	276.7	1098.87	101.7		338.2	1137.15	102.6
	278.2	1100.84	101.7		339.7	1137.52	102.7
	279.7	1102.60	101.7		341.2	1138.02	102.7
	281.2	1104.35	101.7		342.7	1138.42	102.7
	282.7	1105.85	101.8		344.2	1138.76	102.7
	284.2	1107.54	101.8		345.7	1139.00	102.7
	285.7	1109.03	101.8		347.2	1139.46	102.8
	287.2	1110.47	101.8		348.7	1139.76	102.8
	288.7	1111.78	101.9		350.2	1140.46	102.8
	290.2	1112.90	101.9		351.7	1140.50	102.8
	291.7	1114.11	101.9		353.2	1140.72	102.8
	293.2	1115.21	101.9		354.7	1141.16	102.9
	294.7	1116.35	102.0		356.2	1141.82	102.9
	296.2	1117.43	102.0		357.7	1141.73	102.9
	297.7	1118.37	102.0		359.2	1142.07	102.9

Printing every 6 samples

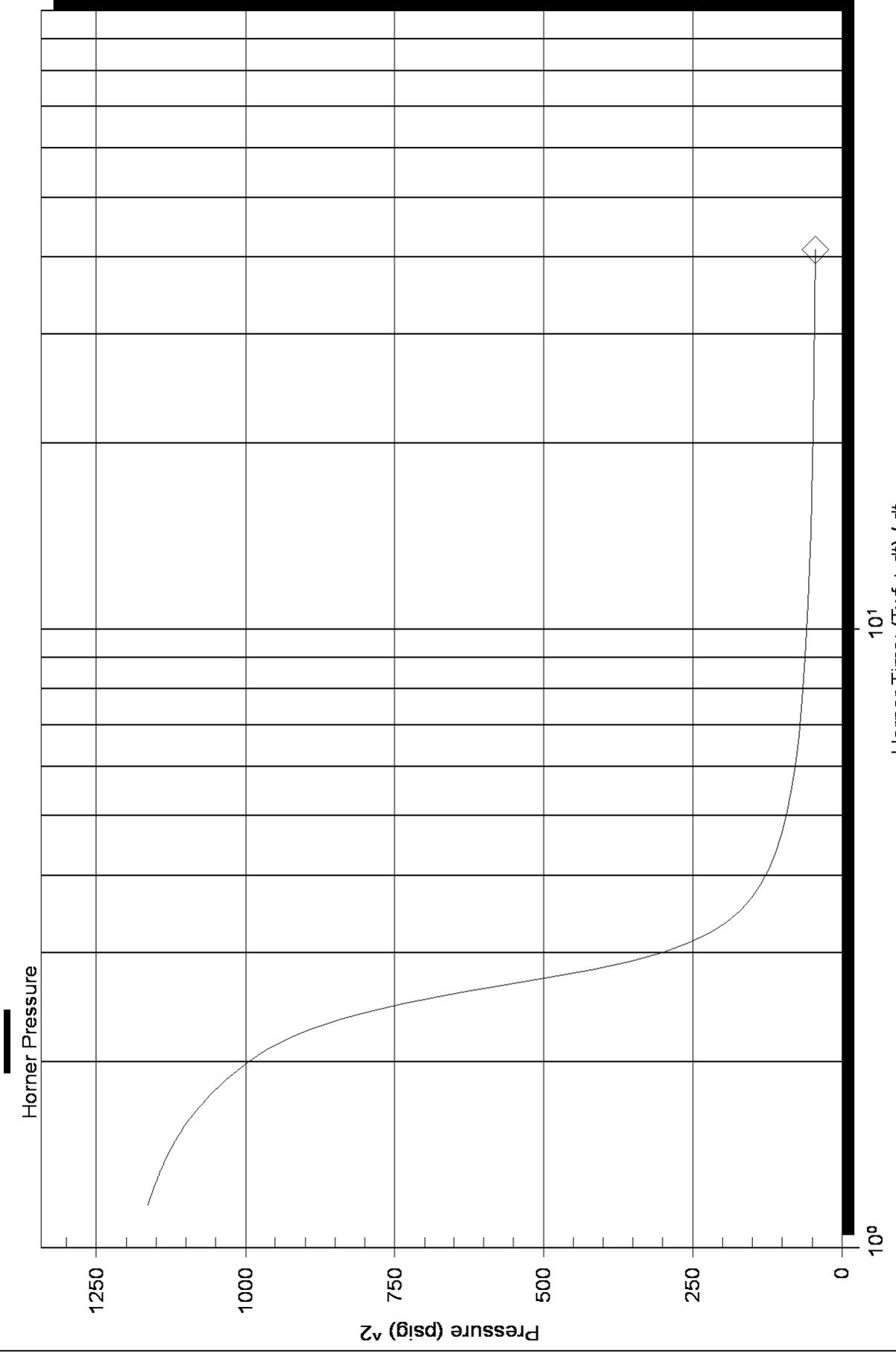
Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	360.7	1142.35	102.9		422.2	1462.24	101.8
	362.2	1142.64	103.0		423.7	1426.99	100.5
	363.7	1143.26	103.0		425.2	1381.44	99.4
	365.2	1143.19	103.0		426.7	1263.67	98.1
	366.7	1143.44	103.0		428.2	1247.68	97.2
	368.2	1144.05	103.0		429.7	1203.43	96.3
	369.7	1144.30	103.1		431.2	1157.60	95.4
	371.2	1144.51	103.1		432.7	1067.70	94.7
	372.7	1144.77	103.1		434.2	1033.46	93.9
	374.2	1145.02	103.1		435.7	989.32	93.1
	375.7	1144.98	103.1		437.2	900.20	92.4
	377.2	1145.25	103.2		438.7	857.25	91.8
	378.7	1145.85	103.2		440.2	819.63	91.2
	380.2	1146.07	103.2		441.7	776.51	90.6
	381.7	1146.32	103.2		443.2	701.73	90.2
	383.2	1146.21	103.2		444.7	642.83	89.9
	384.7	1146.74	103.2		446.2	596.59	89.7
	386.2	1146.92	103.3		447.7	561.63	89.5
	387.7	1147.15	103.3		449.2	491.72	89.2
	389.2	1147.39	103.3		450.7	435.07	89.0
	390.7	1147.60	103.3		452.2	395.29	88.9
	392.2	1147.78	103.3		453.7	357.51	88.8
	393.7	1147.96	103.4		455.2	263.71	88.7
	395.2	1148.15	103.4		456.7	228.46	88.5
	396.7	1148.36	103.4		458.2	187.41	87.8
	398.2	1148.56	103.4		459.7	118.66	86.9
	399.7	1148.69	103.4		461.2	61.27	86.1
	401.2	1148.86	103.4		462.7	21.76	84.5
	402.7	1149.04	103.5		464.2	-0.62	86.5
	404.2	1149.22	103.5		465.7	-0.10	86.1
	405.7	1149.38	103.5		467.2	-0.68	85.4
	407.2	1149.50	103.5		468.7	-0.74	85.0
	408.7	1149.62	103.5		470.2	-0.77	84.7
	410.2	1149.70	103.5		471.7	-0.79	84.2
	411.7	1149.79	103.6		473.2	-0.77	83.9
	413.2	1549.82	103.7		474.7	-0.88	83.5
	414.7	1582.78	103.6		476.2	-0.90	82.9
	416.2	1568.34	103.5		477.7	-0.96	82.7
	417.7	1572.31	103.5		479.2	-1.01	82.3
	419.2	1563.43	103.1		480.7	-1.04	81.6
	420.7	1507.20	102.3		482.2	-1.01	81.4

Printing every 6 samples

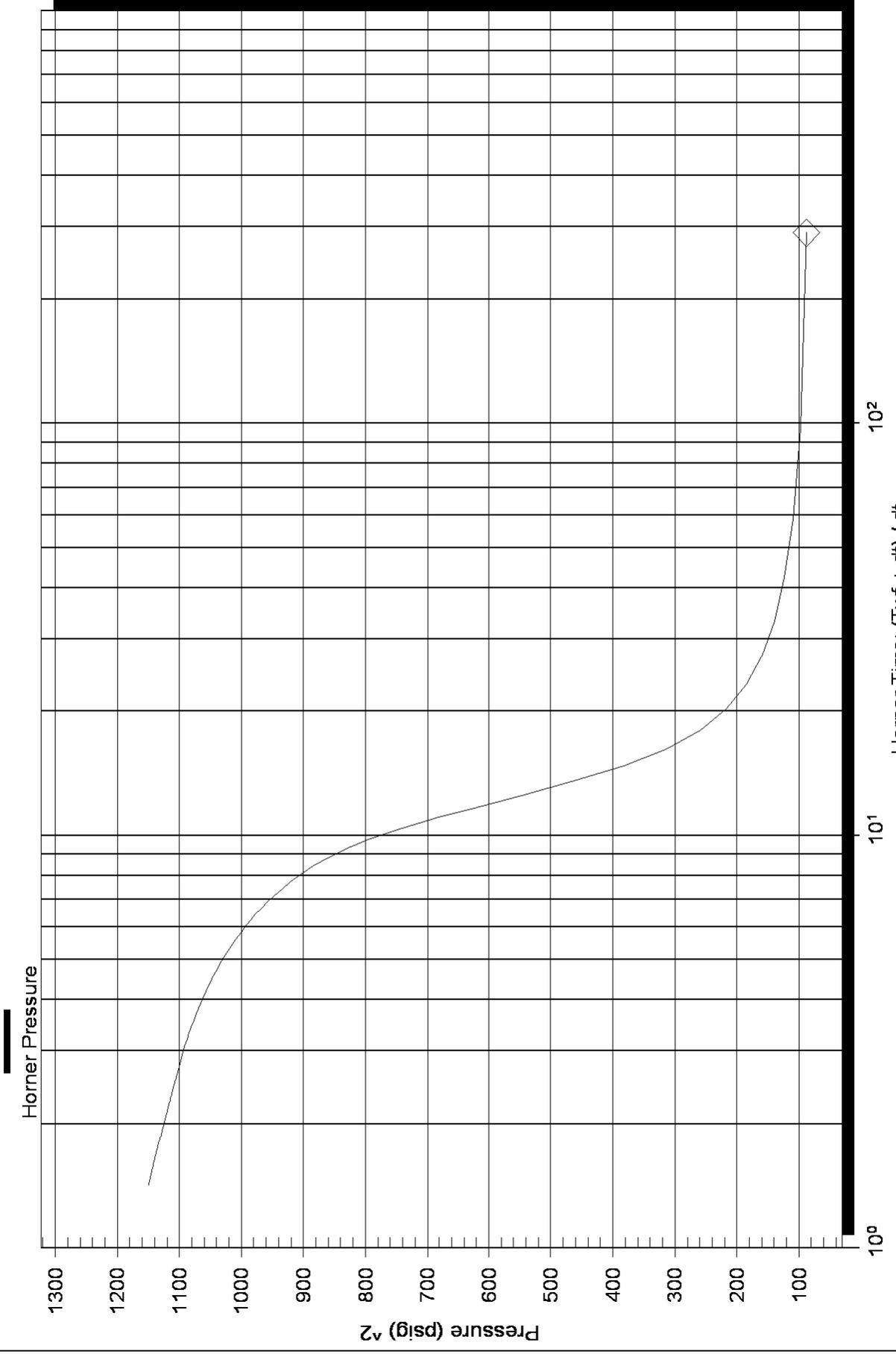
Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	483.7	-1.03	81.2		545.2	-0.04	42.3
	485.2	-1.05	81.1		546.7	-0.67	36.3
	486.7	-1.06	80.9		548.2	-0.83	34.9
	488.2	-1.05	80.7		549.7	-0.91	34.5
	489.7	-1.05	80.5		551.2	-0.90	32.9
	491.2	-1.04	80.3		552.7	-0.92	31.2
	492.7	-1.03	80.1		554.2	-0.94	30.1
	494.2	-1.03	80.0		555.7	-0.96	29.6
	495.7	-1.02	79.9		557.2	-0.95	29.4
	497.2	-1.00	79.7		558.7	-0.96	29.2
	498.7	-1.00	79.6		560.2	-0.97	29.2
	500.2	-1.01	79.4		561.5	-0.91	29.4
	501.7	-1.00	79.3				
	503.2	-1.00	79.2				
	504.7	-0.99	79.0				
	506.2	-1.00	78.9				
	507.7	-1.02	78.7				
	509.2	-1.04	78.5				
	510.7	-1.03	78.3				
	512.2	-1.03	78.1				
	513.7	-1.04	78.0				
	515.2	-1.05	77.8				
	516.7	-1.05	77.6				
	518.2	-1.09	77.5				
	519.7	-1.12	77.3				
	521.2	-1.11	77.1				
	522.7	-1.11	77.0				
	524.2	-1.12	76.9				
	525.7	-1.14	76.8				
	527.2	-1.13	76.7				
	528.7	-1.13	76.5				
	530.2	-1.15	76.4				
	531.7	-1.15	76.3				
	533.2	-1.16	76.2				
	534.7	-1.17	76.1				
	536.2	-1.16	75.9				
	537.7	-1.16	75.2				
	539.2	-1.21	74.8				
	540.7	-1.24	70.3				
	542.2	-1.22	70.0				
	543.7	-1.18	69.1				

Printing every 6 samples

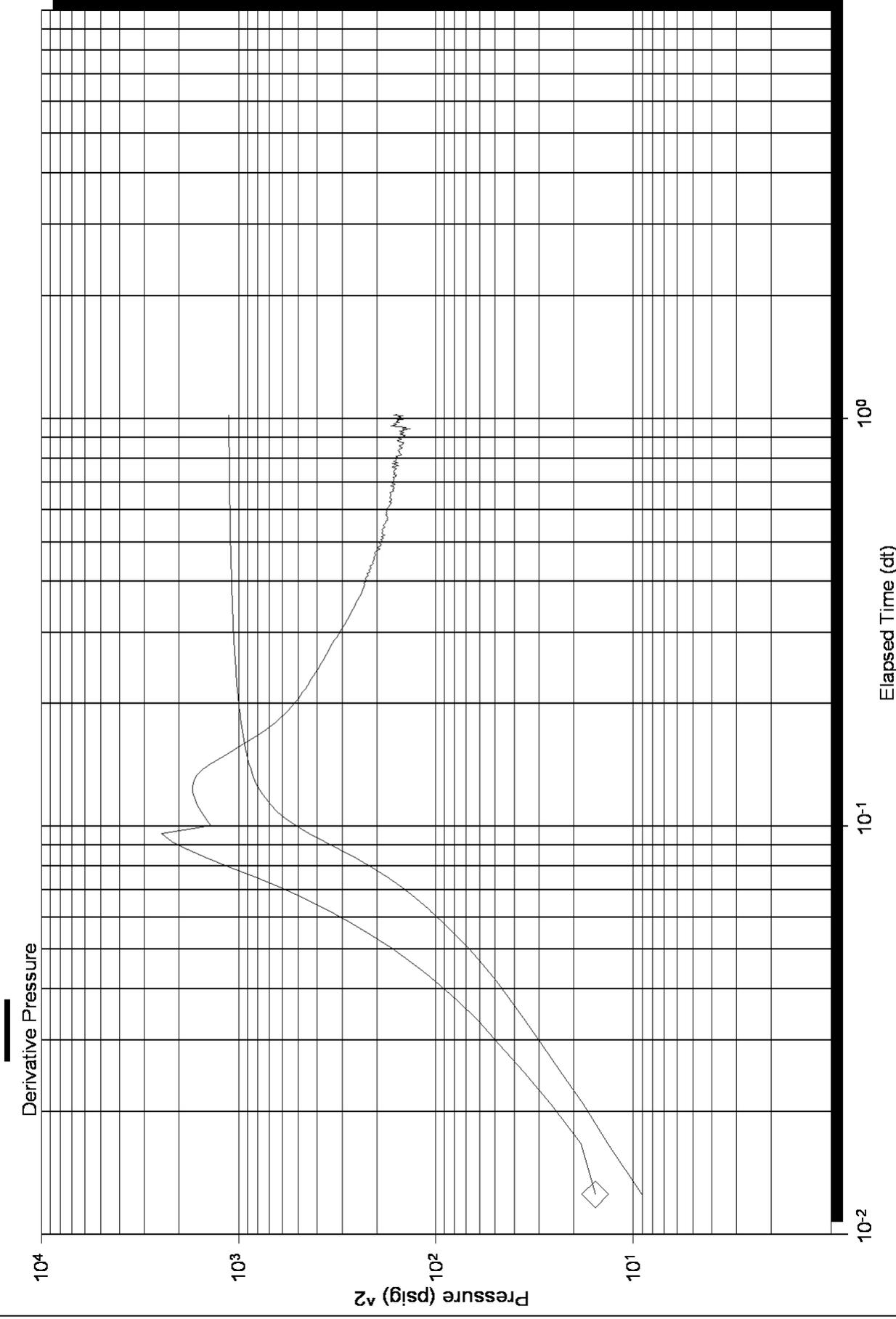
Homer Plot



Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative

