



DRILL STEM TEST REPORT

Prepared For: **AGV Corporation**

123 North Main
P.O. Box 377
Attica, KS. 67009-0377

ATTN: Kent Roberts

Busenitz #1-28

28/24S/3E Butler, KS

Start Date: 2019.10.24 @ 10:19:00

End Date: 2019.10.24 @ 17:23:00

Job Ticket #: 65408 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.01.20 @ 13:33:44



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

AGV Corporation
123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

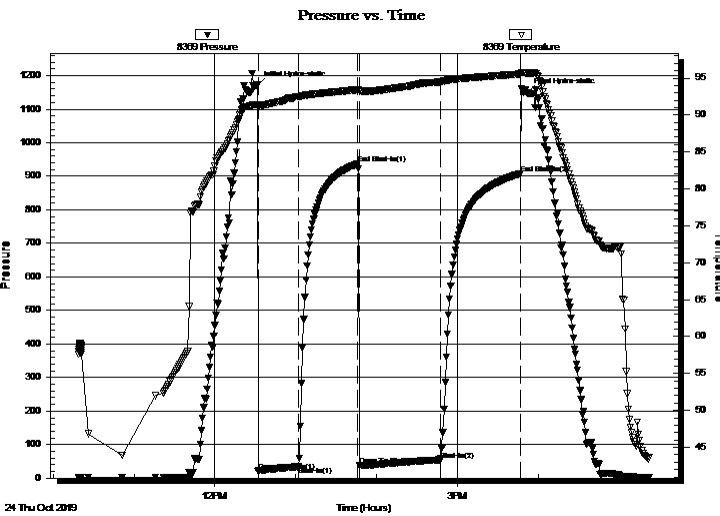
28/24S/3E Butler, KS
Busenitz #1-28
Job Ticket: 65408 **DST#: 1**
Test Start: 2019.10.24 @ 10:19:00

GENERAL INFORMATION:

Formation: **Kansas City, Dennis**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 12:32:00 Tester: Jimmy Ricketts
Time Test Ended: 17:23:00 Unit No: 80
Interval: 2370.00 ft (KB) To 2440.00 ft (KB) (TVD) Reference Elevations: 1384.00 ft (KB)
Total Depth: 2440.00 ft (KB) (TVD) 1375.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
Press @ RunDepth: 54.37 psig @ 2371.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.10.24 End Date: 2019.10.24 Last Calib.: 1899.12.30
Start Time: 10:19:01 End Time: 17:23:00 Time On Btm: 2019.10.24 @ 12:31:10
Time Off Btm: 2019.10.24 @ 15:51:39

TEST COMMENT: IF - Weak blow building to 3 1/2 inches during initial flow period.
FF - Weak blow building to 1 1/2 inches during final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1170.87	91.42	Initial Hydro-static
1	20.69	91.00	Open To Flow (1)
31	34.82	92.48	Shut-In(1)
75	937.32	93.43	End Shut-In(1)
76	36.96	93.24	Open To Flow (2)
136	54.37	94.49	Shut-In(2)
196	907.68	95.55	End Shut-In(2)
201	1147.94	95.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OSM Tr O & 100% M	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65408

DST#: 1

Test Start: 2019.10.24 @ 10:19:00

Tool Information

Drill Pipe:	Length: 2175.00 ft	Diameter: 3.80 inches	Volume: 30.51 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 31.41 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	2370.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2343.00	
Shut In Tool	5.00			2348.00	
Hydraulic tool	5.00			2353.00	
Jars	5.00			2358.00	
Safety Joint	3.00			2361.00	
Packer	5.00			2366.00	28.00 Bottom Of Top Packer
Packer	4.00			2370.00	
Stubb	1.00			2371.00	
Recorder	0.00	8369	Outside	2371.00	
Recorder	0.00	8846	Inside	2371.00	
Perforations	27.00			2398.00	
Change Over Sub	1.00			2399.00	
Blank Spacing	31.00			2430.00	
Change Over Sub	1.00			2431.00	
Perforations	4.00			2435.00	
Bullnose	5.00			2440.00	70.00 Bottom Packers & Anchor
Total Tool Length:	98.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65408

DST#: 1

Test Start: 2019.10.24 @ 10:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	OSM Tr O & 100% M	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

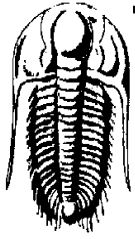
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65408

DST#: 1

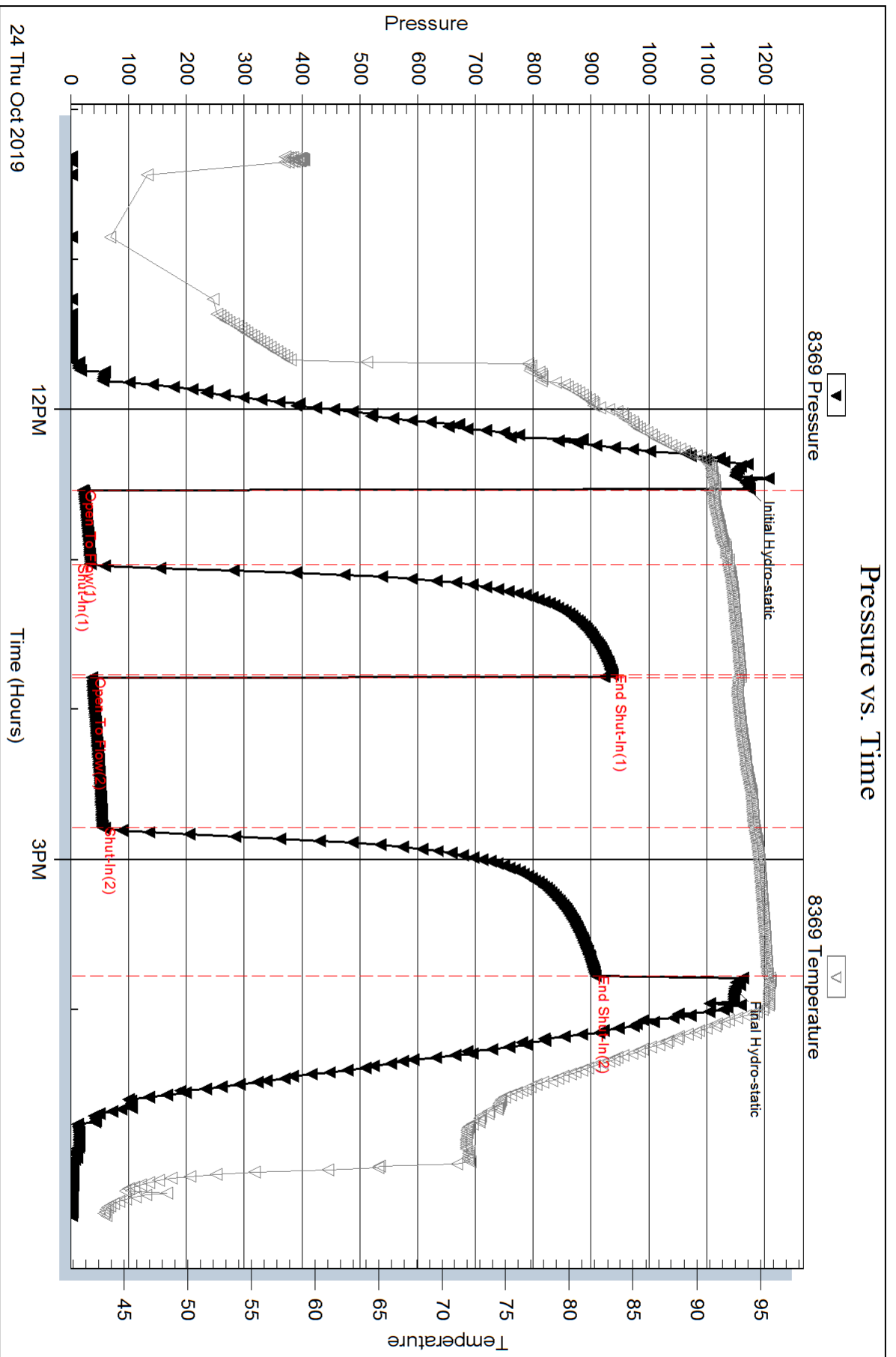
Test Start: 2019.10.24 @ 10:19:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00



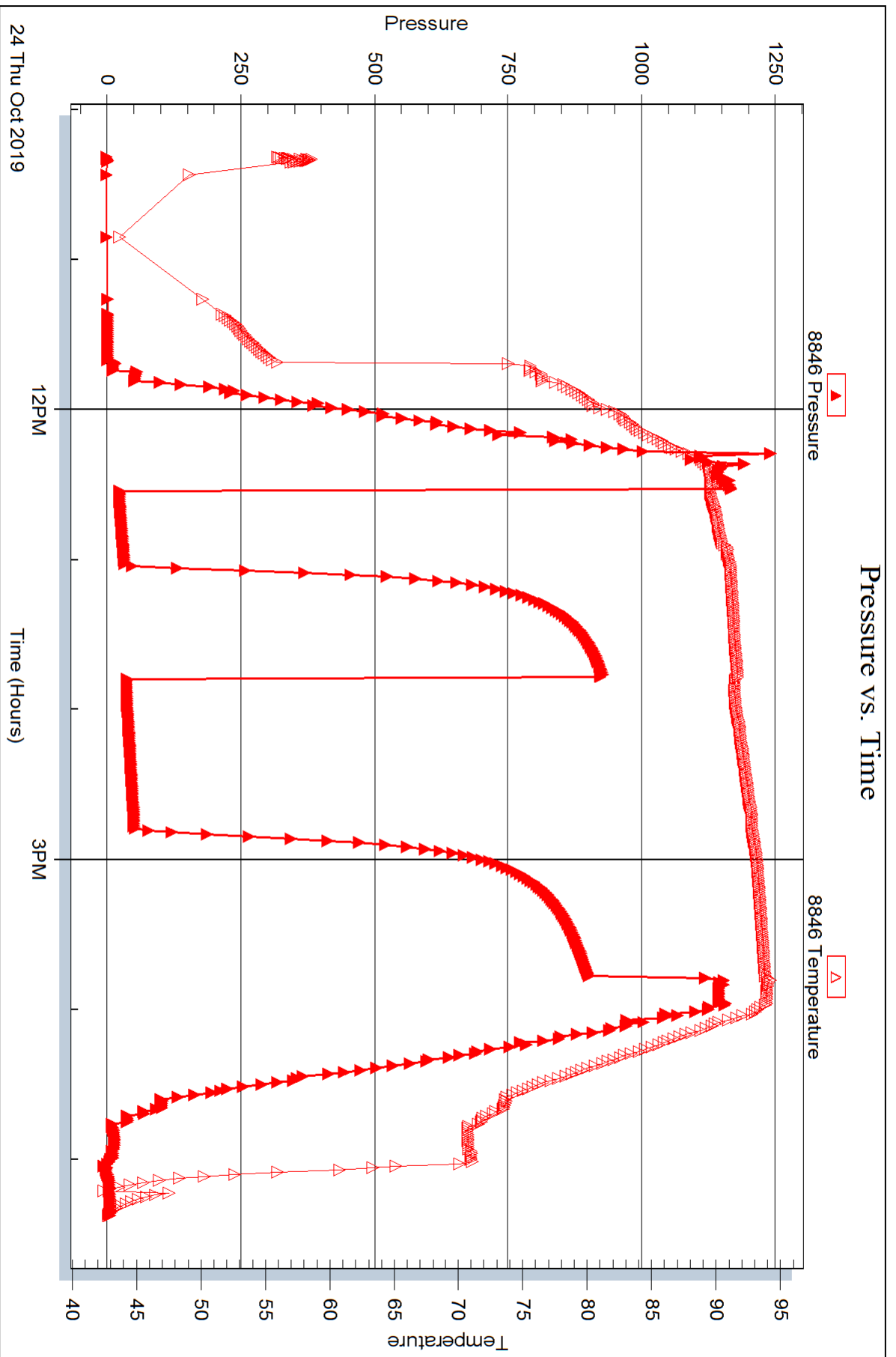
Serial #: 8846

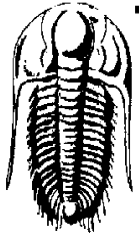
Inside

AGV Corporation

Busenitz #1-28

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65408

DST#: 1

Test Start: 2019.10.24 @ 10:19:00

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	1.24	57.6		78.7	1.92	57.3
	0.1	1.28	57.9		79.8	1.92	57.7
	0.2	1.38	58.2		81.0	1.96	58.1
	0.3	1.33	58.6		82.2	13.96	73.6
	0.5	1.29	58.8		83.3	13.22	77.0
	0.6	1.30	58.9		84.5	13.14	77.0
	0.7	1.35	59.0		85.7	59.31	77.1
	0.8	1.40	59.1		86.8	57.55	77.8
	0.9	1.43	59.1		88.0	56.47	77.9
	1.0	1.45	59.1		89.2	54.86	77.9
	1.2	1.48	59.0		90.3	100.76	79.1
	1.3	1.51	58.9		91.5	139.42	79.7
	1.4	1.53	58.8		92.7	210.47	80.2
	1.5	1.58	58.7		93.8	235.45	80.7
	1.6	1.61	58.5		95.0	265.75	81.0
	1.8	1.64	58.2		96.2	298.52	81.3
	1.9	1.63	57.8		97.3	372.37	81.7
	2.0	1.66	50.1		98.5	395.67	81.9
	37.0	1.77	45.5		99.7	424.89	82.1
	62.3	1.81	52.2		100.8	455.34	83.1
	63.5	1.82	52.5		102.0	486.95	83.8
	64.7	1.84	52.9		103.2	520.22	84.2
	65.8	1.85	53.2		104.3	556.24	84.4
	67.0	1.86	53.7		105.5	587.77	84.7
	68.2	1.88	54.1		106.7	619.89	85.0
	69.3	1.87	54.4		107.8	653.08	85.3
	70.5	1.86	54.8		109.0	685.43	85.6
	71.7	1.86	55.1		110.2	749.33	86.1
	72.8	1.88	55.5		111.3	781.37	86.6
	74.0	1.89	55.8		112.5	789.41	87.0
	75.2	1.90	56.2		113.7	933.99	87.4
	76.3	1.93	56.6		114.8	908.65	87.8
	77.5	1.94	56.9		116.0	940.78	88.3

Printing every 7 samples

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	117.2	972.34	88.8		154.5	31.30	92.1
	118.3	1129.05	89.3		155.6	32.14	92.3
	119.5	1067.76	90.1		156.8	31.94	92.3
	120.7	1098.48	90.5		158.0	32.57	92.3
	121.8	1129.42	90.8		159.1	33.30	92.3
	123.0	1159.95	91.1		160.3	33.65	92.4
	124.2	1154.92	91.1		161.5	33.86	92.5
	125.3	1151.20	91.2		162.6	33.99	92.5
	126.5	1149.98	91.2		162.8	34.00	92.5
	127.7	1149.11	91.2	Shut-In(1)	163.0	34.82	92.5
	128.8	1168.67	91.3		163.1	40.62	92.5
	130.0	1163.54	91.4		163.3	48.50	92.5
	131.1	1170.29	91.4		163.5	58.71	92.5
	131.8	1172.44	91.4		164.6	205.75	92.5
	132.0	1171.70	91.4		165.8	368.94	92.6
Initial Hydro-static	132.1	1170.87	91.4		167.0	486.77	92.6
	132.3	1177.61	91.4		168.1	570.63	92.7
	132.5	1174.28	91.4		169.3	631.96	92.7
	132.6	1174.07	91.4		170.5	678.48	92.7
	132.8	1167.48	91.4		171.6	714.48	92.8
Open To Flow (1)	133.0	20.69	91.0		172.8	743.46	92.8
	133.1	21.73	91.2		174.0	766.97	92.8
	133.3	22.74	91.2		175.1	786.66	92.8
	133.5	22.99	91.3		176.3	803.16	92.9
	134.6	23.37	91.3		177.5	817.32	92.9
	135.8	23.19	91.3		178.6	829.60	92.9
	137.0	24.28	91.4		179.8	840.39	92.9
	138.1	24.85	91.4		181.0	849.83	93.0
	139.3	25.64	91.4		182.1	858.28	93.0
	140.5	26.17	91.4		183.3	865.78	93.0
	141.6	26.61	91.5		184.5	872.51	93.0
	142.8	27.38	91.6		185.6	878.77	93.0
	144.0	27.44	91.6		186.8	884.29	93.1
	145.1	27.82	91.7		188.0	889.51	93.1
	146.3	28.39	91.7		189.1	894.26	93.1
	147.5	28.78	91.8		190.3	898.67	93.1
	148.6	29.18	91.8		191.5	902.71	93.2
	149.8	29.77	91.9		192.6	906.43	93.2
	151.0	30.09	91.9		193.8	910.24	93.2
	152.1	30.42	91.9		195.0	913.51	93.2
	153.3	31.04	92.0		196.1	916.32	93.2

Printing every 7 samples

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	197.3	919.16	93.3		234.3	45.59	93.6
	198.5	921.88	93.3		235.5	45.99	93.7
	199.6	924.39	93.3		236.6	46.35	93.7
	200.8	926.77	93.3		237.8	46.69	93.7
	202.0	929.00	93.3		239.0	47.07	93.8
	203.1	931.15	93.4		240.1	47.35	93.8
	204.3	932.51	93.4		241.3	48.02	93.8
	205.5	934.61	93.4		242.5	48.05	93.8
	206.6	936.50	93.4		243.6	48.46	93.9
	206.8	937.19	93.4		244.8	49.13	93.9
End Shut-In(1)	207.0	937.32	93.4		246.0	49.17	93.9
	207.1	937.55	93.4		247.1	49.83	94.0
	207.3	933.72	93.4		248.3	49.84	94.0
	207.5	933.79	93.4		249.5	50.47	94.1
	207.8	40.46	92.9		250.6	50.43	94.1
	208.0	36.99	93.2		251.8	51.08	94.2
Open To Flow (2)	208.1	36.96	93.2		253.0	51.10	94.2
	208.3	37.03	93.2		254.1	51.65	94.3
	208.5	37.10	93.3		255.3	51.87	94.3
	208.6	37.17	93.3		256.5	51.81	94.3
	209.8	37.51	93.2		257.6	52.39	94.3
	211.0	37.85	93.2		258.8	52.66	94.4
	212.1	37.89	93.2		260.0	52.89	94.4
	213.3	38.23	93.2		261.1	53.15	94.4
	214.5	38.59	93.2		262.3	53.41	94.4
	215.6	38.96	93.2		263.5	53.65	94.4
	216.8	39.42	93.2		264.6	53.89	94.4
	218.0	39.79	93.2		265.8	54.12	94.4
	219.1	40.34	93.3		267.0	54.26	94.5
	220.3	40.74	93.3		267.8	54.34	94.5
	221.5	41.15	93.3		268.0	54.36	94.5
	222.6	41.57	93.3	Shut-In(2)	268.1	54.37	94.5
	223.8	42.05	93.4		268.3	55.50	94.5
	225.0	42.46	93.4		268.5	59.04	94.5
	226.1	42.88	93.4		268.6	63.55	94.5
	227.3	43.32	93.4		269.8	113.97	94.6
	228.5	43.63	93.5		271.0	204.50	94.6
	229.6	44.05	93.5		272.1	316.38	94.7
	230.8	44.42	93.5		273.3	416.95	94.7
	232.0	44.83	93.6		274.5	496.95	94.7
	233.1	45.23	93.6		275.6	558.92	94.8

Printing every 7 samples

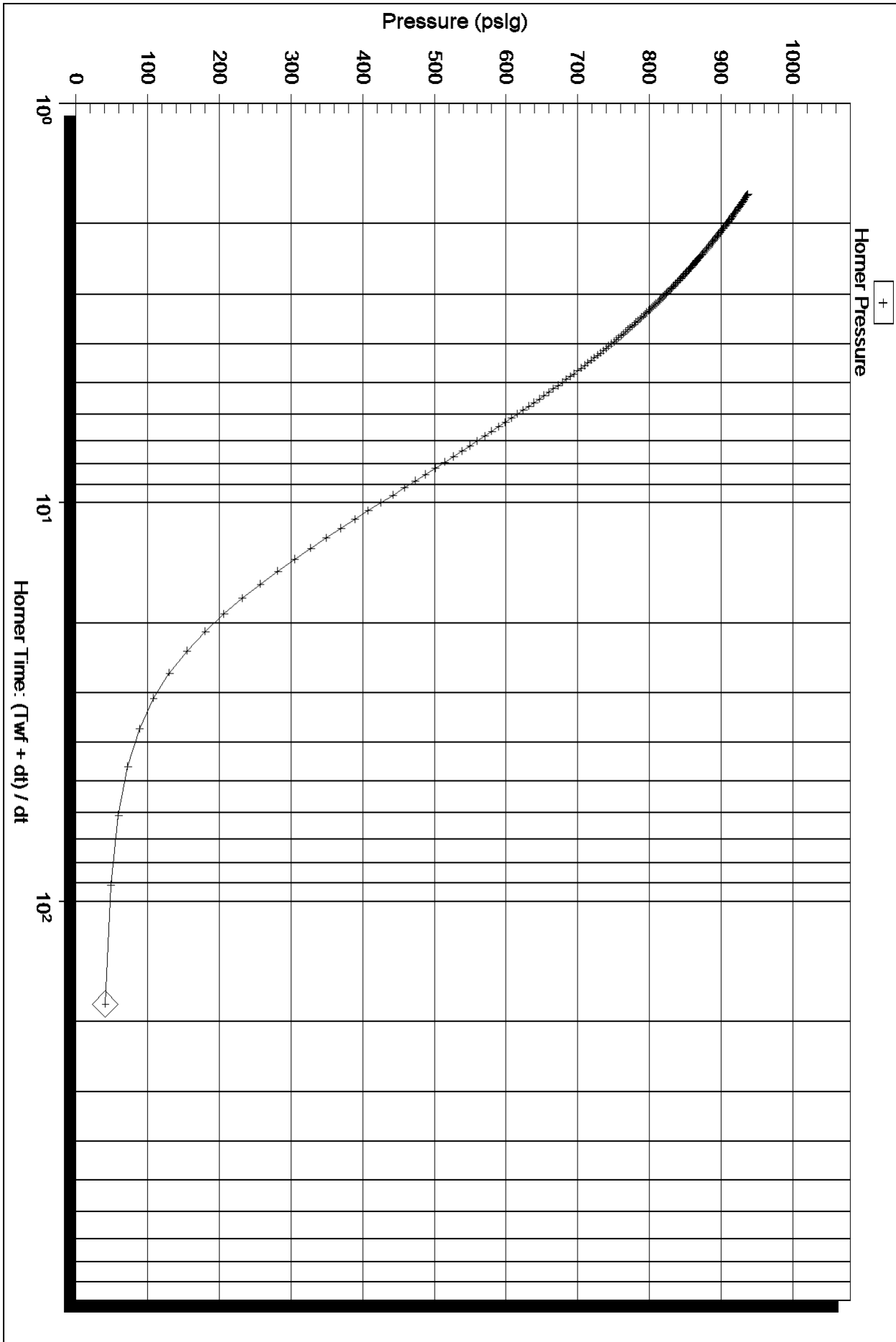
Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	276.8	606.82	94.8		324.6	903.92	95.5
	278.0	644.72	94.8		325.8	905.42	95.5
	279.1	675.13	94.8		327.0	906.85	95.5
	280.3	700.02	94.9		327.3	907.49	95.5
	281.5	720.68	94.9		327.5	907.58	95.5
	282.6	738.27	94.9	End Shut-In(2)	327.6	907.68	95.5
	283.8	753.39	94.9		327.8	907.80	95.5
	285.0	766.45	95.0		328.0	826.44	95.5
	286.1	777.85	95.0		328.1	1112.33	95.6
	287.3	788.10	95.0		329.3	1156.38	95.8
	288.5	797.13	95.0		330.5	1155.18	95.7
	289.6	805.25	95.0		331.6	1149.23	95.7
	290.8	812.69	95.0		332.3	1148.27	95.7
	292.0	819.37	95.1		332.5	1148.13	95.7
	293.1	825.46	95.1	Final Hydro-static	332.6	1147.94	95.7
	294.3	831.04	95.1		332.8	1147.72	95.7
	295.5	836.32	95.1		333.0	1147.64	95.7
	296.6	841.17	95.1		333.1	1147.45	95.7
	297.8	845.68	95.1		334.3	1146.98	95.7
	299.0	849.97	95.2		335.5	1146.53	95.7
	300.1	854.27	95.2		336.6	1145.99	95.7
	301.3	857.97	95.2		337.8	1145.90	95.7
	302.5	861.35	95.2		339.0	1211.89	95.6
	303.6	864.32	95.2		340.1	1135.23	95.3
	304.8	867.63	95.3		341.3	1054.15	95.0
	306.0	870.82	95.3		342.5	1098.73	94.5
	307.1	873.50	95.3		343.6	1070.41	93.8
	308.3	876.17	95.3		344.8	971.88	93.0
	309.5	878.70	95.3		346.0	1008.20	92.2
	310.6	881.14	95.3		347.1	977.02	91.5
	311.8	883.48	95.3		348.3	948.02	90.8
	313.0	885.77	95.4		349.5	916.93	90.0
	314.1	887.82	95.4		350.6	877.49	89.4
	315.3	889.93	95.4		351.8	854.17	88.5
	316.5	891.93	95.4		353.0	824.47	88.0
	317.6	893.81	95.4		354.1	818.49	87.7
	318.8	895.66	95.4		355.3	755.61	87.0
	320.0	897.34	95.5		356.5	717.86	86.2
	321.1	899.19	95.5		357.6	685.97	85.5
	322.3	900.76	95.5		358.8	646.11	84.7
	323.5	902.39	95.5		360.0	617.81	84.0

Printing every 7 samples

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	361.1	616.02	83.3		409.0	4.06	48.1
	362.3	571.52	82.6		410.1	4.08	46.9
	363.5	523.94	82.0		411.3	3.77	46.1
	364.6	463.01	81.2		412.5	3.16	45.4
	365.8	447.73	80.5		413.6	2.50	45.1
	367.0	416.08	80.0		414.8	3.02	47.2
	368.1	384.77	79.3		416.0	2.99	45.9
	369.3	338.10	78.6		417.1	2.82	44.9
	370.5	300.53	77.9		418.3	2.68	44.3
	371.6	249.33	77.1		419.5	2.68	43.8
	372.8	229.55	76.5		420.6	2.66	43.7
	374.0	198.01	75.9		421.8	2.85	43.5
	375.1	166.40	75.4		423.0	2.28	43.4
	376.3	135.42	74.9		424.0	2.14	45.0
	377.5	103.45	74.6				
	378.6	104.89	74.5				
	379.8	105.03	74.4				
	381.0	87.62	74.4				
	382.1	72.10	73.7				
	383.3	37.09	73.1				
	384.5	42.77	73.0				
	385.6	44.15	72.9				
	386.8	11.84	72.4				
	388.0	13.39	72.1				
	389.1	14.30	72.0				
	390.3	14.93	72.0				
	391.5	14.93	72.0				
	392.6	14.81	71.9				
	393.8	14.70	71.9				
	395.0	14.64	71.9				
	396.1	13.54	71.9				
	397.3	9.47	72.1				
	398.5	10.02	72.1				
	399.6	10.61	72.1				
	400.8	7.54	72.0				
	402.0	4.16	72.1				
	403.1	2.58	68.9				
	404.3	3.28	64.9				
	405.5	4.55	58.4				
	406.6	5.00	52.8				
	407.8	4.28	49.9				

Printing every 7 samples

Horner Plot



Serial Number: 8369 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1



DRILL STEM TEST REPORT

Prepared For: **AGV Corporation**

123 North Main
P.O. Box 377
Attica, KS. 67009-0377

ATTN: Kent Roberts

Busenitz #1-28

28/24S/3E Butler, KS

Start Date: 2019.10.25 @ 02:43:00

End Date: 2019.10.25 @ 10:26:50

Job Ticket #: 65409 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.01.20 @ 13:34:36



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

AGV Corporation
 123 North Main
 P.O. Box 377
 Attica, KS. 67009-0377
 ATTN: Kent Roberts

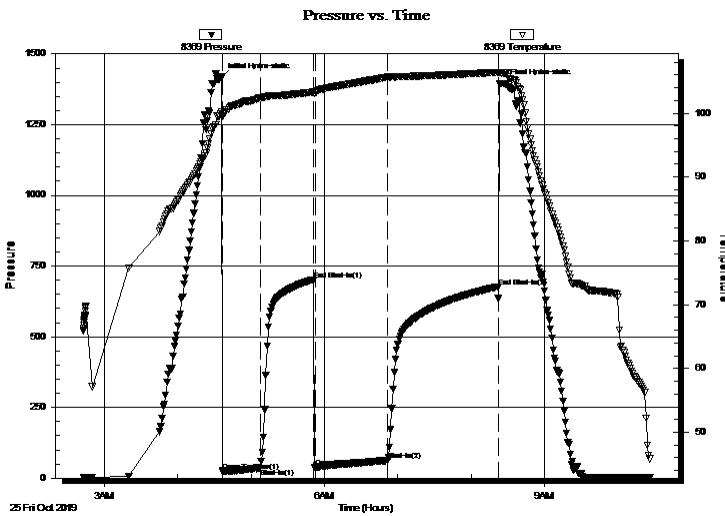
28/24S/3E Butler, KS
Busenitz #1-28
 Job Ticket: 65409 **DST#: 2**
 Test Start: 2019.10.25 @ 02:43:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:37:00
 Time Test Ended: 10:26:50
 Interval: **2768.00 ft (KB) To 2778.00 ft (KB) (TVD)**
 Total Depth: 2778.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1384.00 ft (KB)
 1375.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
 Press @ Run Depth: 63.12 psig @ 2769.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.10.25 End Date: 2019.10.25 Last Calib.: 1899.12.30
 Start Time: 02:43:01 End Time: 10:26:50 Time On Btm: 2019.10.25 @ 04:35:50
 Time Off Btm: 2019.10.25 @ 08:26:30

TEST COMMENT: IF - Weak blow building to 10 inches during initial flow period.
 FF - Weak blow building to strong blow 22 minutes into final flow period. Continuing to build to 24 inches.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1415.24	100.22	Initial Hydro-static
2	22.96	99.51	Open To Flow (1)
32	36.28	102.43	Shut-In(1)
75	701.73	103.31	End Shut-In(1)
77	38.11	103.18	Open To Flow (2)
136	63.12	105.64	Shut-In(2)
227	677.00	106.39	End Shut-In(2)
231	1393.87	106.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GHOCM 17%G 39%O & 44%M	0.30
60.00	Clean oil 100%O	0.30
255.00	Gas in pipe 100%G	2.99

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65409

DST#: 2

Test Start: 2019.10.25 @ 02:43:00

Tool Information

Drill Pipe:	Length: 2584.00 ft	Diameter: 3.80 inches	Volume: 36.25 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 37.15 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	2768.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			2741.00	
Shut In Tool	5.00			2746.00	
Hydraulic tool	5.00			2751.00	
Jars	5.00			2756.00	
Safety Joint	3.00			2759.00	
Packer	5.00			2764.00	28.00 Bottom Of Top Packer
Packer	4.00			2768.00	
Stubb	1.00			2769.00	
Recorder	0.00	8369	Outside	2769.00	
Recorder	0.00	8846	Inside	2769.00	
Perforations	7.00			2776.00	
Bullnose	2.00			2778.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65409

DST#: 2

Test Start: 2019.10.25 @ 02:43:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41.5 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GHOCM 17%G 39%O & 44%M	0.295
60.00	Clean oil 100%O	0.295
255.00	Gas in pipe 100%G	2.994

Total Length: 375.00 ft

Total Volume: 3.584 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65409

DST#: 2

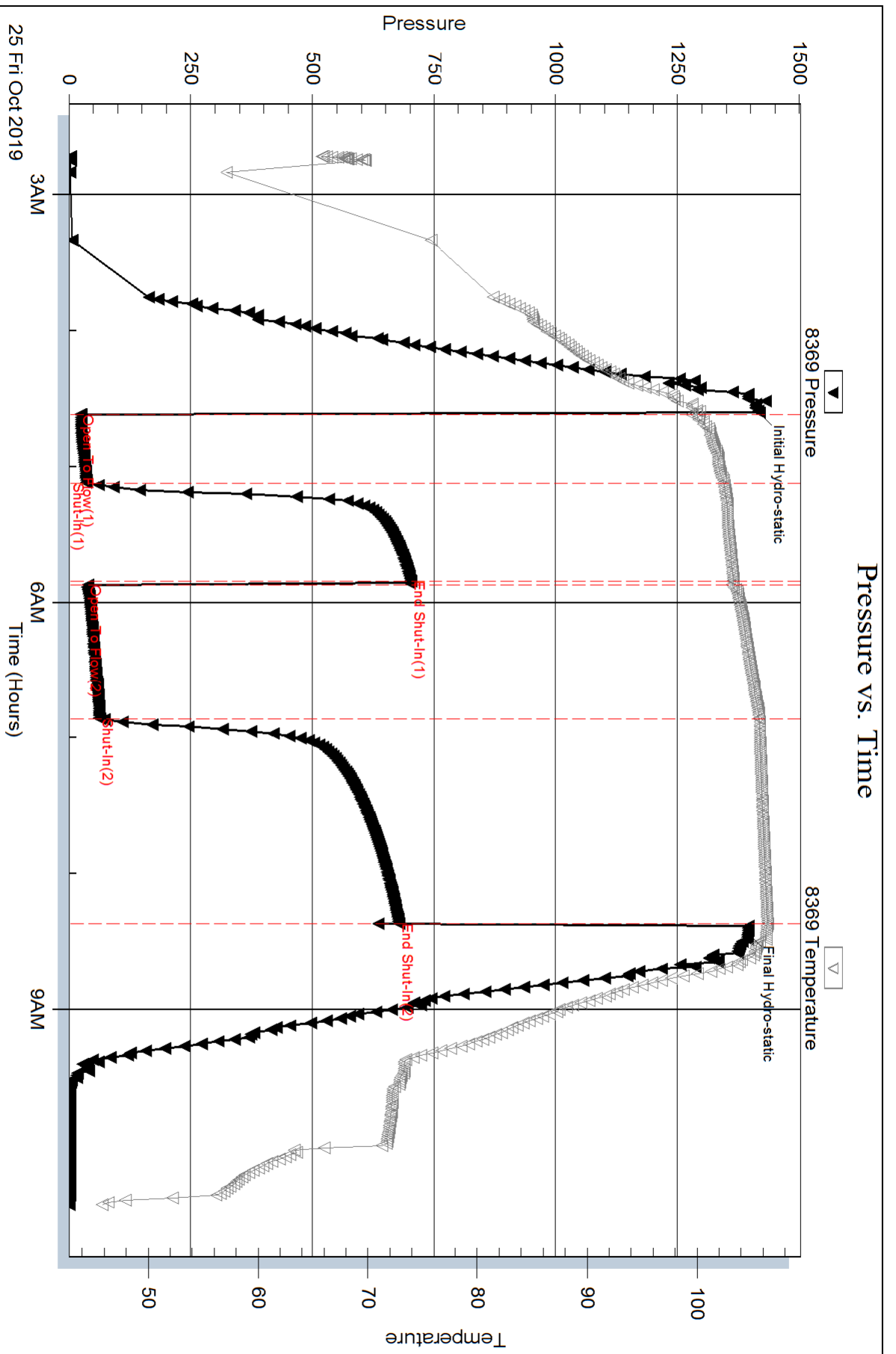
Test Start: 2019.10.25 @ 02:43:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00



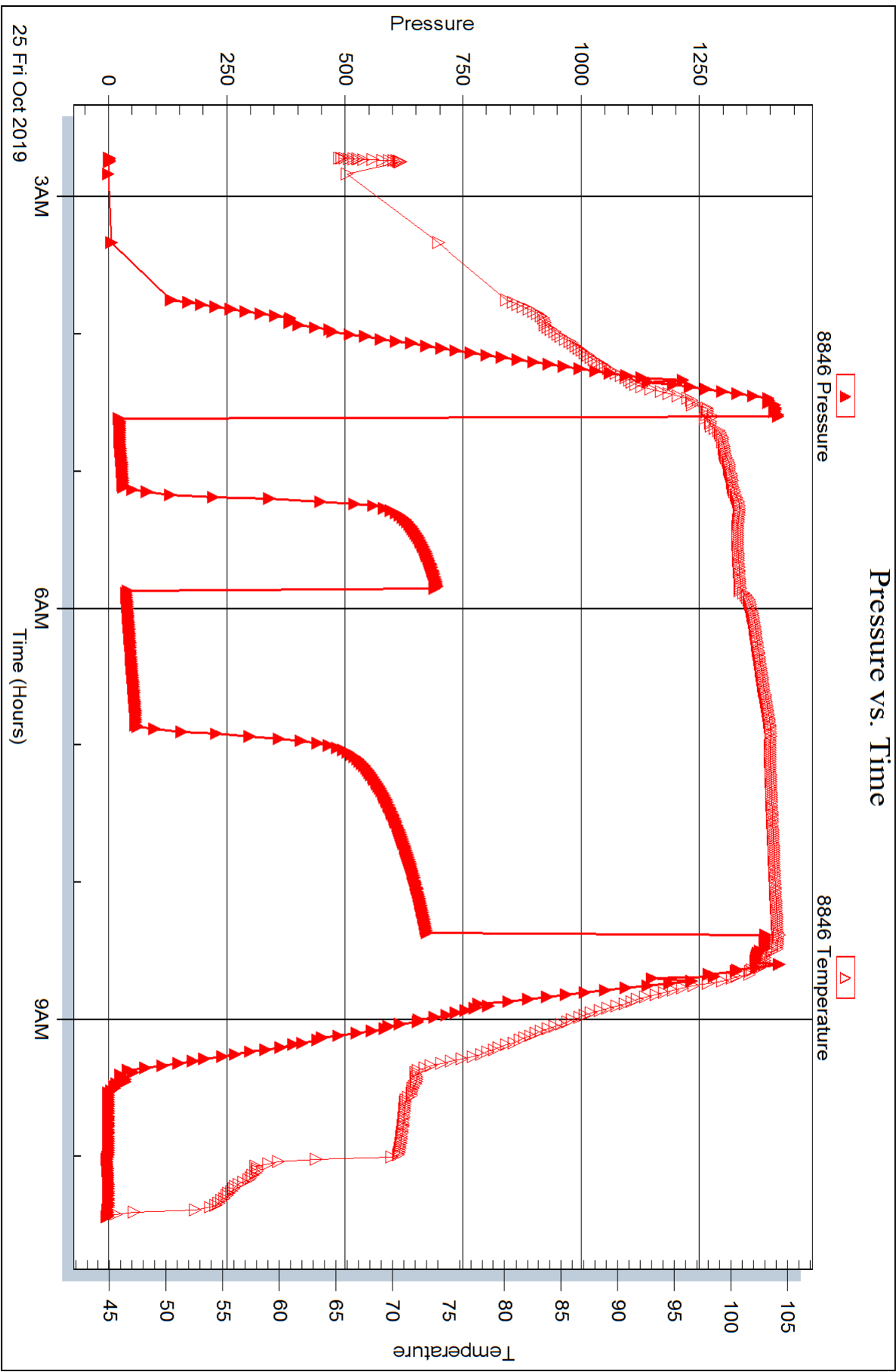
Serial #: 8846

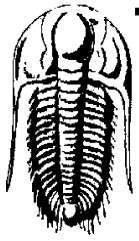
Inside

AGV Corporation

Busenitz #1-28

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65409

DST#: 2

Test Start: 2019.10.25 @ 02:43:00

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	3.53	65.8		84.2	740.03	88.5
	0.1	3.57	66.0		85.5	806.48	88.8
	0.3	3.68	66.5		86.8	837.76	89.2
	0.4	3.71	67.3		88.2	871.00	89.5
	0.5	3.67	67.7		89.5	978.14	89.9
	0.7	3.59	67.9		90.8	946.11	90.4
	0.8	3.58	68.0		92.2	1001.91	90.9
	0.9	3.60	68.1		93.5	1034.87	91.3
	1.1	3.70	68.2		94.8	1083.72	91.8
	1.2	3.80	68.4		96.2	1133.06	92.4
	1.3	3.70	69.2		97.5	1165.91	92.8
	1.5	3.67	69.6		98.8	1199.06	93.1
	1.6	3.70	69.7		100.2	1232.25	93.7
	1.7	3.73	69.7		101.5	1397.86	94.7
	1.9	3.69	69.8		102.8	1330.59	95.9
	7.0	1.80	57.1		104.2	1363.12	96.8
	47.0	41.66	78.8		105.5	1395.46	97.8
	62.8	167.13	81.9		106.8	1395.01	97.9
	64.2	210.84	82.4		108.2	1431.51	98.2
	65.5	260.72	83.2		109.5	1411.31	99.5
	66.8	293.03	83.8		110.8	1410.14	99.5
	68.2	339.98	84.3		112.2	1416.05	99.9
	69.5	385.68	84.8		112.5	1416.93	100.2
	70.8	387.74	85.0		112.7	1415.36	100.2
	72.2	387.75	85.1	Initial Hydro-static	112.8	1415.24	100.2
	73.5	420.17	85.3		113.0	1416.80	100.2
	74.8	451.44	85.6		113.2	1418.31	100.2
	76.2	505.78	86.1		113.3	1418.45	100.2
	77.5	543.47	86.4		113.7	1419.02	100.2
	78.8	580.11	87.0		113.8	1418.48	100.2
	80.2	633.49	87.4	Open To Flow (1)	114.0	22.96	99.5
	81.5	680.89	87.7		114.2	25.80	99.9
	82.8	708.39	88.2		114.3	25.91	100.0

Printing every 8 samples

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	114.5	26.12	100.1		162.1	651.28	102.8
	115.8	23.52	100.1		163.5	655.54	102.8
	117.2	25.44	100.6		164.8	659.38	102.8
	118.5	24.54	100.7		166.1	662.83	102.9
	119.8	25.27	101.0		167.5	666.21	102.9
	121.2	25.50	101.1		168.8	669.46	102.9
	122.5	25.52	101.2		170.1	672.46	102.9
	123.8	26.01	101.2		171.5	675.31	103.0
	125.2	26.35	101.4		172.8	678.01	103.0
	126.5	27.81	101.4		174.1	680.59	103.0
	127.8	27.74	101.5		175.5	683.07	103.0
	129.1	28.46	101.6		176.8	685.46	103.1
	130.5	29.73	101.7		178.1	687.74	103.1
	131.8	30.22	101.8		179.5	689.91	103.1
	133.1	31.22	101.9		180.8	692.09	103.2
	134.5	31.04	101.9		182.1	694.02	103.2
	135.8	31.98	101.9		183.5	696.12	103.2
	137.1	32.48	102.0		184.8	698.00	103.2
	138.5	33.90	102.0		186.1	699.69	103.3
	139.8	34.11	102.1		187.3	701.52	103.3
	141.1	33.55	102.2		187.5	701.64	103.3
	142.5	35.19	102.3	End Shut-In(1)	187.6	701.73	103.3
	143.8	35.31	102.4		187.8	684.72	103.3
	144.0	35.15	102.4		188.0	693.50	103.3
	144.1	35.13	102.4		188.1	696.67	103.3
Shut-In(1)	144.3	36.28	102.4		189.0	40.23	103.1
	144.5	41.19	102.4		189.1	38.96	103.2
	144.6	46.38	102.4	Open To Flow (2)	189.3	38.11	103.2
	144.8	51.10	102.4		189.5	37.38	103.2
	146.1	91.97	102.5		189.6	37.30	103.2
	147.5	172.75	102.5		189.8	37.10	103.3
	148.8	323.25	102.6		191.1	38.36	103.5
	150.1	466.85	102.6		192.5	40.16	103.7
	151.5	548.54	102.7		193.8	41.04	103.7
	152.8	586.16	102.7		195.1	41.78	103.8
	154.1	605.92	102.7		196.5	43.09	103.8
	155.5	618.60	102.8		197.8	43.63	103.9
	156.8	627.69	102.8		199.1	43.69	104.0
	158.1	634.87	102.8		200.5	44.25	104.0
	159.5	640.99	102.8		201.8	44.76	104.1
	160.8	646.32	102.8		203.1	46.17	104.1

Printing every 8 samples

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	204.5	45.74	104.2		253.3	325.53	105.7
	205.8	47.54	104.2		254.6	397.93	105.7
	207.1	47.61	104.3		256.0	447.58	105.7
	208.5	48.32	104.3		257.3	478.11	105.7
	209.8	48.62	104.3		258.6	497.44	105.7
	211.1	48.52	104.4		260.0	511.15	105.7
	212.5	50.46	104.4		261.3	521.30	105.7
	213.8	50.40	104.5		262.6	529.58	105.7
	215.1	49.41	104.5		264.0	536.65	105.8
	216.5	50.42	104.6		265.3	542.91	105.8
	217.8	51.10	104.6		266.6	548.54	105.8
	219.1	51.17	104.6		268.0	554.07	105.8
	220.5	52.60	104.7		269.3	558.63	105.8
	221.8	53.64	104.7		270.6	563.11	105.8
	223.1	52.98	104.8		272.0	567.47	105.8
	224.5	53.50	104.8		273.3	571.47	105.8
	225.8	53.84	104.9		274.6	575.44	105.8
	227.1	54.62	104.9		276.0	579.21	105.8
	228.5	55.91	104.9		277.3	582.97	105.9
	229.8	55.39	105.0		278.6	586.46	105.9
	231.1	56.13	105.0		280.0	589.59	105.9
	232.5	57.68	105.1		281.3	593.01	105.9
	233.8	58.33	105.2		282.6	595.87	105.9
	235.1	55.74	105.2		284.0	598.92	105.9
	236.5	57.97	105.2		285.3	601.83	105.9
	237.8	60.03	105.3		286.6	604.66	105.9
	239.1	59.34	105.3		288.0	607.42	105.9
	240.5	59.83	105.4		289.3	610.03	105.9
	241.8	60.67	105.4		290.6	612.78	106.0
	243.1	61.67	105.5		292.0	615.31	106.0
	244.5	61.30	105.5		293.3	617.78	106.0
	245.8	61.38	105.6		294.6	620.08	106.0
	247.1	60.97	105.6		296.0	622.51	106.0
	248.5	62.15	105.6		297.3	624.65	106.0
	248.6	62.87	105.6		298.6	626.99	106.0
Shut-In(2)	248.8	63.12	105.6		300.0	629.24	106.0
	249.0	66.53	105.7		301.3	631.34	106.1
	249.1	72.15	105.7		302.6	633.47	106.1
	249.3	77.61	105.7		304.0	635.43	106.1
	250.6	137.55	105.7		305.3	637.40	106.1
	252.0	233.22	105.7		306.6	639.40	106.1

Printing every 8 samples

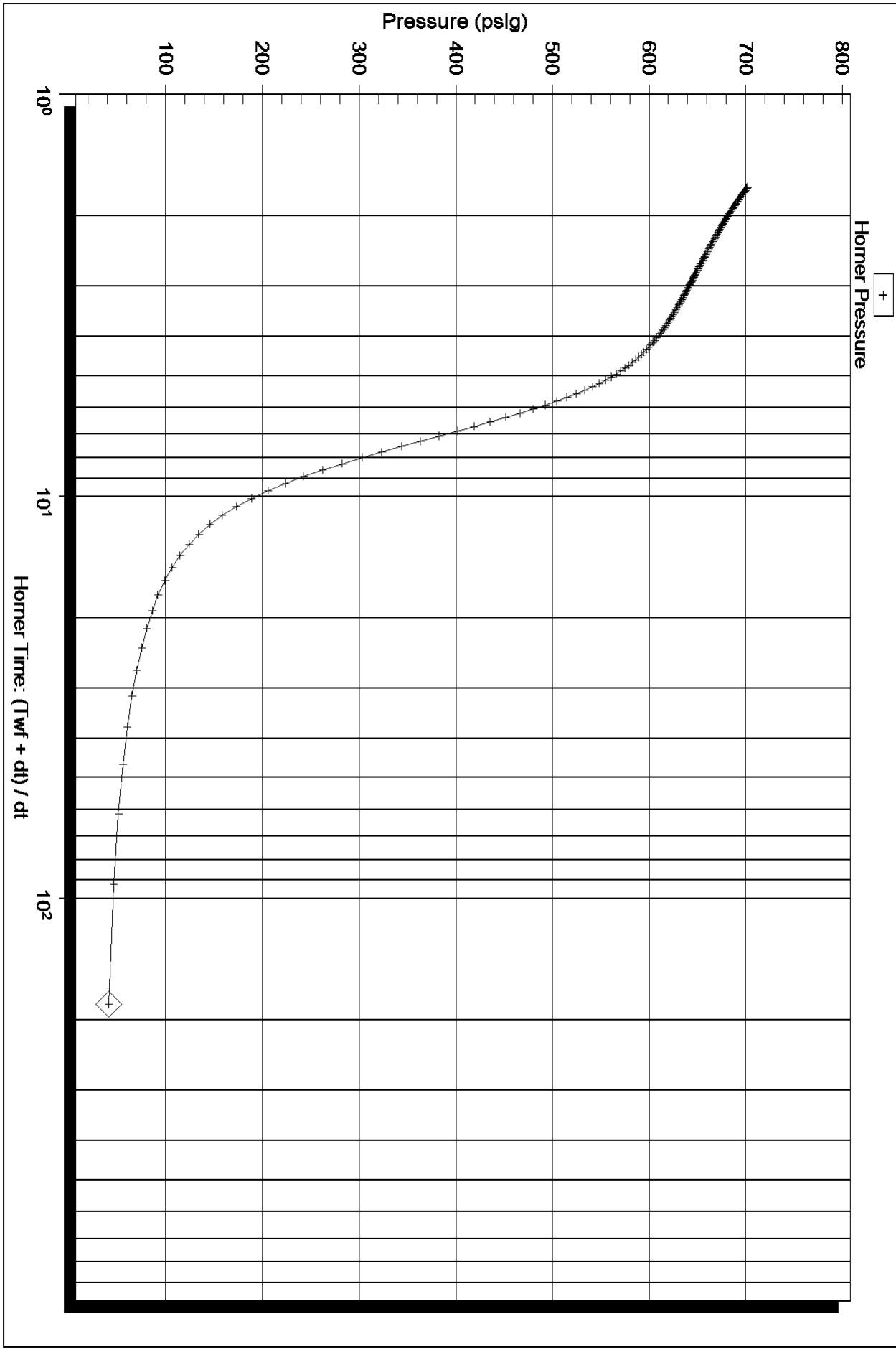
Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	308.0	641.29	106.1		350.6	1374.59	105.3
	309.3	643.15	106.1		352.0	1373.23	105.2
	310.6	644.97	106.1		353.3	1370.51	105.1
	312.0	646.70	106.1		354.6	1335.57	104.4
	313.3	648.56	106.2		356.0	1332.86	103.9
	314.6	650.23	106.2		357.3	1264.24	103.4
	316.0	651.98	106.2		358.6	1286.05	102.6
	317.3	653.64	106.2		360.0	1239.71	101.4
	318.6	655.28	106.2		361.3	1117.58	99.9
	320.0	656.87	106.2		362.6	1067.38	98.1
	321.3	658.46	106.2		364.0	1056.12	96.8
	322.6	660.04	106.2		365.3	1015.42	95.9
	324.0	661.61	106.3		366.6	909.35	94.8
	325.3	663.02	106.3		368.0	893.66	93.4
	326.6	664.43	106.3		369.3	857.09	92.7
	328.0	665.92	106.3		370.6	816.99	91.8
	329.3	667.31	106.3		372.0	780.72	90.9
	330.6	668.77	106.3		373.3	701.73	90.0
	332.0	670.10	106.3		374.6	708.00	88.8
	333.3	671.44	106.3		376.0	694.50	88.2
	334.6	672.73	106.4		377.3	662.44	87.4
	336.0	674.02	106.4		378.6	635.04	86.7
	337.3	675.29	106.4		380.0	604.95	86.1
	338.6	676.79	106.4		381.3	532.25	85.2
	338.8	676.87	106.4		382.6	524.31	84.3
End Shut-In(2)	339.0	677.00	106.4		384.0	497.00	83.8
	339.1	635.19	106.4		385.3	432.03	82.9
	339.3	1347.71	106.6		386.6	417.41	82.3
	339.5	1401.91	106.5		388.0	396.75	81.7
	340.8	1395.46	106.3		389.3	364.63	81.0
	342.1	1394.69	106.3		390.6	320.67	80.4
	343.1	1394.34	106.3		392.0	271.92	79.4
	343.3	1393.93	106.3		393.3	235.20	78.3
Final Hydro-static	343.5	1393.87	106.3		394.6	193.97	77.0
	343.6	1393.83	106.3		396.0	155.73	75.9
	343.8	1393.79	106.3		397.3	102.10	74.8
	344.0	1393.75	106.3		398.6	40.77	73.8
	345.3	1393.54	106.3		400.0	58.65	73.3
	346.6	1369.53	106.2		401.3	29.58	73.3
	348.0	1379.94	105.5		402.6	37.58	73.3
	349.3	1376.22	105.4		404.0	40.43	73.3

Printing every 8 samples

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	405.3	15.56	73.2		460.0	1.09	54.3
	406.6	15.18	73.0		461.3	1.04	47.6
	408.0	9.21	72.9		462.6	1.02	45.9
	409.3	3.25	72.9		463.8	1.32	46.9
	410.6	2.59	72.6				
	412.0	2.77	72.3				
	413.3	2.75	72.2				
	414.6	2.79	72.2				
	416.0	2.79	72.2				
	417.3	2.77	72.2				
	418.6	2.77	72.2				
	420.0	2.82	72.2				
	421.3	2.84	72.1				
	422.6	2.78	72.1				
	424.0	2.72	72.1				
	425.3	2.72	72.0				
	426.6	2.74	72.0				
	428.0	2.70	72.0				
	429.3	2.68	71.9				
	430.6	2.72	71.9				
	432.0	2.75	71.8				
	433.3	2.75	71.8				
	434.6	2.72	71.7				
	436.0	2.56	71.7				
	437.3	2.42	71.0				
	438.6	1.85	63.1				
	440.0	2.08	63.5				
	441.3	2.07	62.8				
	442.6	1.91	62.2				
	444.0	1.80	61.4				
	445.3	1.75	60.7				
	446.6	1.81	60.3				
	448.0	1.78	59.7				
	449.3	1.73	59.1				
	450.6	1.74	58.6				
	452.0	1.72	58.3				
	453.3	1.75	58.0				
	454.6	1.75	57.7				
	456.0	1.72	57.2				
	457.3	1.65	56.9				
	458.6	1.37	56.4				

Printing every 8 samples

Horner Plot



Serial Number: 8369 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1



DRILL STEM TEST REPORT

Prepared For: **AGV Corporation**

123 North Main
P.O. Box 377
Attica, KS. 67009-0377

ATTN: Kent Roberts

Busenitz #1-28

28/24S/3E Butler, KS

Start Date: 2019.10.25 @ 18:30:00

End Date: 2019.10.26 @ 00:17:39

Job Ticket #: 65410 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.01.20 @ 13:35:16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

AGV Corporation
 123 North Main
 P.O. Box 377
 Attica, KS. 67009-0377
 ATTN: Kent Roberts

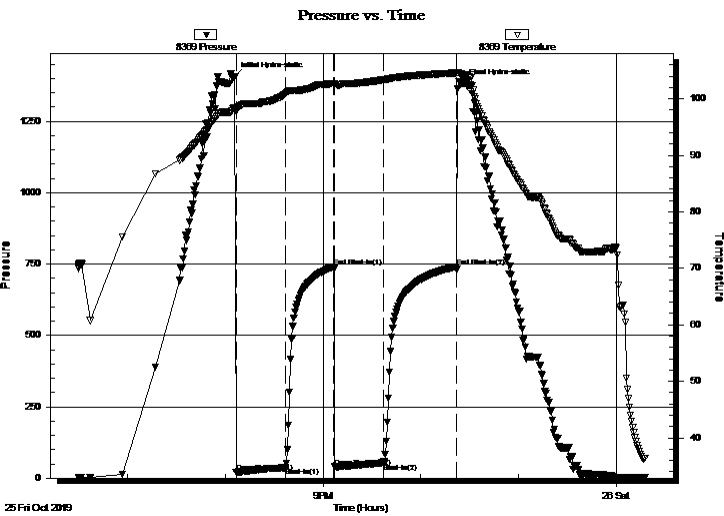
28/24S/3E Butler, KS
Busenitz #1-28
 Job Ticket: 65410 **DST#: 3**
 Test Start: 2019.10.25 @ 18:30:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:06:40
 Time Test Ended: 00:17:39
 Interval: **2790.00 ft (KB) To 2806.00 ft (KB) (TVD)**
 Total Depth: 2806.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1384.00 ft (KB)
 1375.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8369 Outside
 Press @ Run Depth: 53.61 psig @ 2791.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.10.25 End Date: 2019.10.26 Last Calib.: 1899.12.30
 Start Time: 18:30:01 End Time: 00:17:40 Time On Btm: 2019.10.25 @ 20:05:50
 Time Off Btm: 2019.10.25 @ 22:25:50

TEST COMMENT: IF - Weak blow building to 1/2 inch during initial flow period.
 FF - Weak blow building to 1/2 inch during final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1406.59	98.41	Initial Hydro-static
1	19.32	97.67	Open To Flow (1)
32	36.52	100.92	Shut-In(1)
61	740.93	102.68	End Shut-In(1)
62	39.67	102.50	Open To Flow (2)
92	53.61	103.34	Shut-In(2)
137	741.26	104.57	End Shut-In(2)
140	1381.91	104.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	OSM Tr O & 100% M	0.37

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65410

DST#: 3

Test Start: 2019.10.25 @ 18:30:00

Tool Information

Drill Pipe:	Length: 2585.00 ft	Diameter: 3.80 inches	Volume: 36.26 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 59000.00 lb
			<u>Total Volume: 37.16 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	2790.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			2763.00	
Shut In Tool	5.00			2768.00	
Hydraulic tool	5.00			2773.00	
Jars	5.00			2778.00	
Safety Joint	3.00			2781.00	
Packer	5.00			2786.00	28.00 Bottom Of Top Packer
Packer	4.00			2790.00	
Stubb	1.00			2791.00	
Recorder	0.00	8369	Outside	2791.00	
Recorder	0.00	8846	Inside	2791.00	
Perforations	10.00			2801.00	
Bullnose	5.00			2806.00	16.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65410

DST#: 3

Test Start: 2019.10.25 @ 18:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	OSM Tr O & 100% M	0.369

Total Length: 75.00 ft Total Volume: 0.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65410

DST#: 3

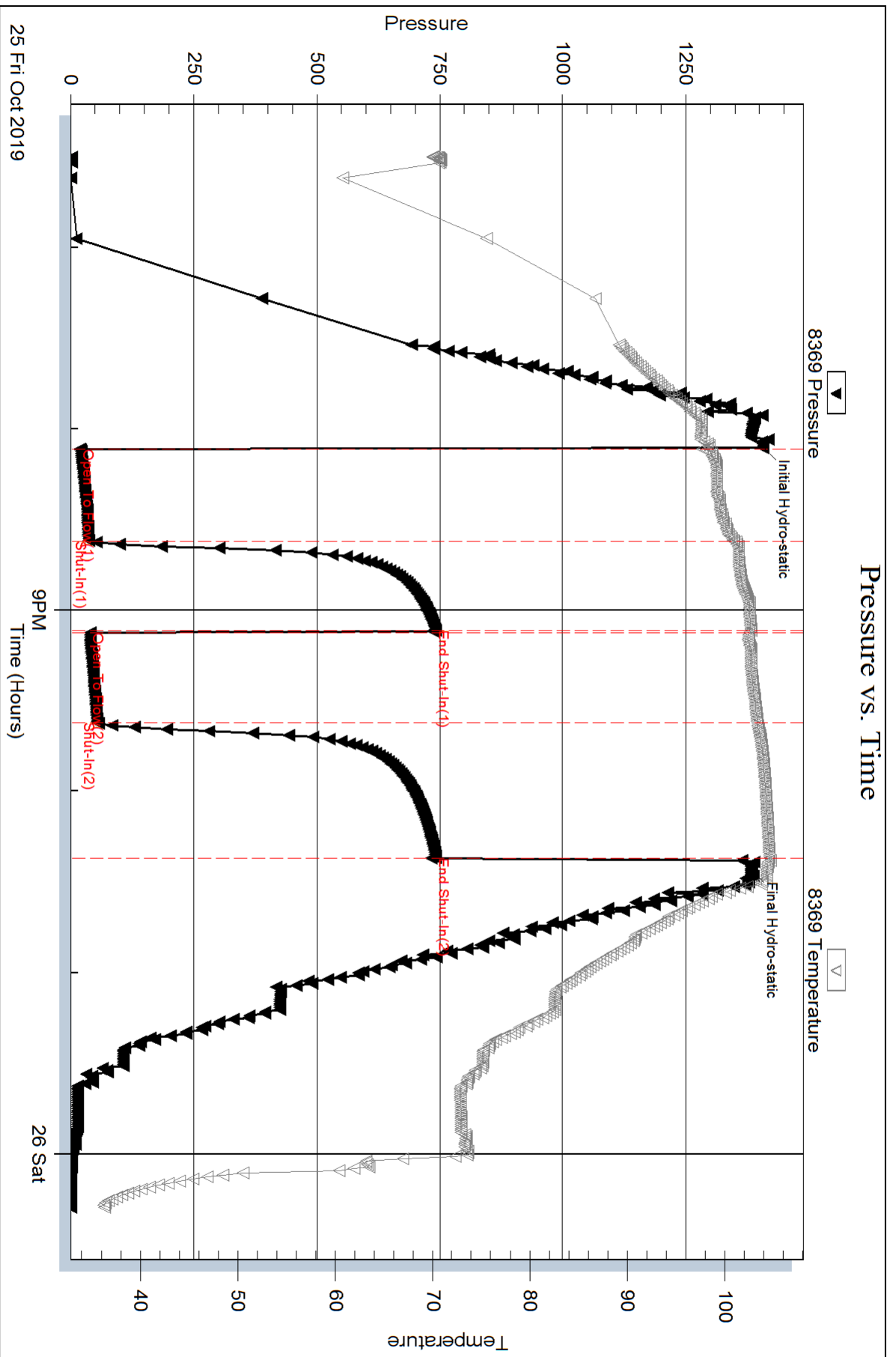
Test Start: 2019.10.25 @ 18:30:00

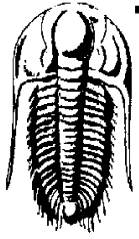
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00





**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

AGV Corporation

28/24S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS. 67009-0377
ATTN: Kent Roberts

Busenitz #1-28

Job Ticket: 65410

DST#: 3

Test Start: 2019.10.25 @ 18:30:00

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	2.57	69.9		73.1	1055.38	92.6
	0.1	2.53	70.1		74.1	1087.39	93.0
	0.2	2.59	70.4		75.1	1145.21	93.2
	0.3	2.58	70.6		76.1	1171.96	93.6
	0.4	2.57	70.8		77.1	1187.56	93.9
	0.5	2.58	70.8		78.1	1240.08	94.3
	0.6	2.59	70.8		79.1	1279.69	94.6
	0.7	2.62	70.8		80.1	1292.27	95.0
	0.8	2.65	70.9		81.1	1278.59	95.5
	0.9	2.65	70.9		82.1	1310.55	95.9
	1.0	2.68	70.9		83.1	1342.29	96.3
	1.1	2.70	70.9		84.1	1294.17	96.5
	1.2	2.72	70.9		85.1	1420.95	97.0
	1.3	2.70	70.9		86.1	1389.58	97.3
	1.4	2.69	70.9		87.1	1388.03	97.6
	1.5	2.74	70.8		88.1	1386.24	97.6
	1.6	2.78	70.7		89.1	1384.88	97.6
	1.7	2.75	70.9		90.1	1383.69	97.6
	1.8	2.72	70.9		91.1	1382.73	97.6
	1.9	2.71	70.7		92.1	1382.64	97.5
	7.0	1.16	60.8		93.1	1424.53	97.5
	37.0	137.43	83.6		94.1	1404.86	97.9
	62.2	692.58	89.1		95.1	1405.90	98.3
	63.2	736.86	89.4		95.5	1407.82	98.4
	64.1	769.12	89.7		95.6	1407.07	98.4
	65.1	801.26	90.0	Initial Hydro-static	95.8	1406.59	98.4
	66.1	832.70	90.3		96.0	1406.63	98.4
	67.1	864.14	90.6		96.1	1406.10	98.4
	68.1	896.18	90.9		96.3	1405.90	98.5
	69.1	928.22	91.2		96.5	1409.82	98.5
	70.1	960.02	91.6	Open To Flow (1)	96.6	19.32	97.7
	71.1	991.70	91.9		96.8	20.88	98.1
	72.1	1023.39	92.3		97.0	21.08	98.2

Printing every 6 samples

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	97.1	21.22	98.3		133.5	597.47	101.4
	98.1	21.66	98.6		134.5	616.89	101.4
	99.1	21.65	98.8		135.5	632.29	101.5
	100.1	22.36	98.9		136.5	645.01	101.5
	101.1	23.11	99.1		137.5	655.91	101.6
	102.1	24.12	99.1		138.5	665.15	101.6
	103.1	24.63	99.2		139.5	673.42	101.6
	104.1	25.44	99.2		140.5	680.77	101.7
	105.1	26.12	99.2		141.5	687.39	101.8
	106.1	26.78	99.2		142.5	693.35	101.9
	107.1	27.55	99.2		143.5	698.71	102.0
	108.1	28.39	99.2		144.5	703.76	102.1
	109.1	28.62	99.2		145.5	708.32	102.3
	110.1	29.01	99.2		146.5	712.42	102.4
	111.1	30.13	99.2		147.5	716.33	102.5
	112.1	30.64	99.2		148.5	719.64	102.5
	113.1	31.12	99.4		149.5	722.82	102.5
	114.1	31.69	99.5		150.5	725.90	102.5
	115.1	32.63	99.5		151.5	728.68	102.5
	116.1	33.38	99.5		152.5	731.43	102.6
	117.1	33.63	99.6		153.5	734.24	102.6
	118.1	33.79	99.7		154.5	736.50	102.6
	119.1	33.67	99.7		155.5	738.75	102.6
	120.1	33.90	99.8		156.2	740.18	102.7
	121.1	34.70	100.0		156.3	740.78	102.7
	122.1	34.99	100.1	End Shut-In(1)	156.5	740.93	102.7
	123.1	34.97	100.2		156.7	733.83	102.7
	124.1	35.26	100.3		156.8	735.18	102.7
	125.1	35.53	100.4		157.0	701.99	102.7
	126.1	36.30	100.7		157.2	160.10	102.4
	126.6	36.39	100.8	Open To Flow (2)	157.3	39.67	102.5
	126.8	36.44	100.8		157.5	39.52	102.5
Shut-In(1)	127.0	36.52	100.9		157.7	39.58	102.5
	127.1	39.62	101.0		157.8	39.61	102.5
	127.3	45.57	101.1		158.8	39.74	102.4
	127.5	52.82	101.1		159.8	40.08	102.4
	128.5	137.17	101.3		160.8	40.56	102.5
	129.5	301.97	101.4		161.8	40.91	102.6
	130.5	456.60	101.4		162.8	41.55	102.7
	131.5	531.67	101.4		163.8	41.92	102.7
	132.5	571.64	101.4		164.8	42.61	102.7

Printing every 6 samples

Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	165.8	43.13	102.7		201.8	657.10	104.0
	166.8	43.68	102.7		202.8	663.40	104.0
	167.8	44.31	102.7		203.8	669.17	104.0
	168.8	44.87	102.7		204.8	674.42	104.1
	169.8	45.41	102.7		205.8	679.21	104.1
	170.8	46.06	102.7		206.8	683.58	104.1
	171.8	46.55	102.8		207.8	687.82	104.1
	172.8	46.80	102.8		208.8	691.64	104.1
	173.8	47.27	102.8		209.8	695.24	104.2
	174.8	47.80	102.9		210.8	698.95	104.2
	175.8	48.28	102.9		211.8	701.91	104.2
	176.8	48.84	102.9		212.8	705.10	104.2
	177.8	49.34	103.0		213.8	707.89	104.3
	178.8	49.85	103.0		214.8	710.36	104.3
	179.8	50.29	103.1		215.8	712.93	104.3
	180.8	50.77	103.1		216.8	715.29	104.3
	181.8	51.36	103.1		217.8	717.61	104.3
	182.8	51.74	103.2		218.8	719.78	104.3
	183.8	52.20	103.2		219.8	721.95	104.4
	184.8	52.64	103.2		220.8	723.77	104.4
	185.8	53.34	103.3		221.8	725.67	104.4
	186.8	53.54	103.3		222.8	727.60	104.4
	187.0	53.58	103.3		223.8	729.33	104.4
	187.2	53.62	103.3		224.8	730.98	104.4
Shut-In(2)	187.3	53.61	103.3		225.8	732.60	104.5
	187.5	56.77	103.3		226.8	734.23	104.5
	187.7	62.52	103.4		227.8	735.63	104.5
	187.8	68.88	103.4		228.8	737.11	104.5
	188.8	129.52	103.4		229.8	738.46	104.5
	189.8	235.99	103.5		230.8	739.84	104.5
	190.8	370.36	103.5		231.7	741.05	104.6
	191.8	470.47	103.6		231.8	741.17	104.6
	192.8	525.59	103.7	End Shut-In(2)	232.0	741.26	104.6
	193.8	558.24	103.7		232.2	731.66	104.6
	194.8	580.73	103.7		232.3	1356.25	104.8
	195.8	597.89	103.8		232.5	1364.70	104.8
	196.8	611.81	103.8		233.5	1389.43	104.5
	197.8	623.40	103.9		234.5	1383.23	104.4
	198.8	633.50	103.9		235.5	1382.31	104.3
	199.8	642.31	103.9		235.7	1382.25	104.3
	200.8	650.04	104.0	Final Hydro-static	235.8	1381.91	104.3

Printing every 6 samples

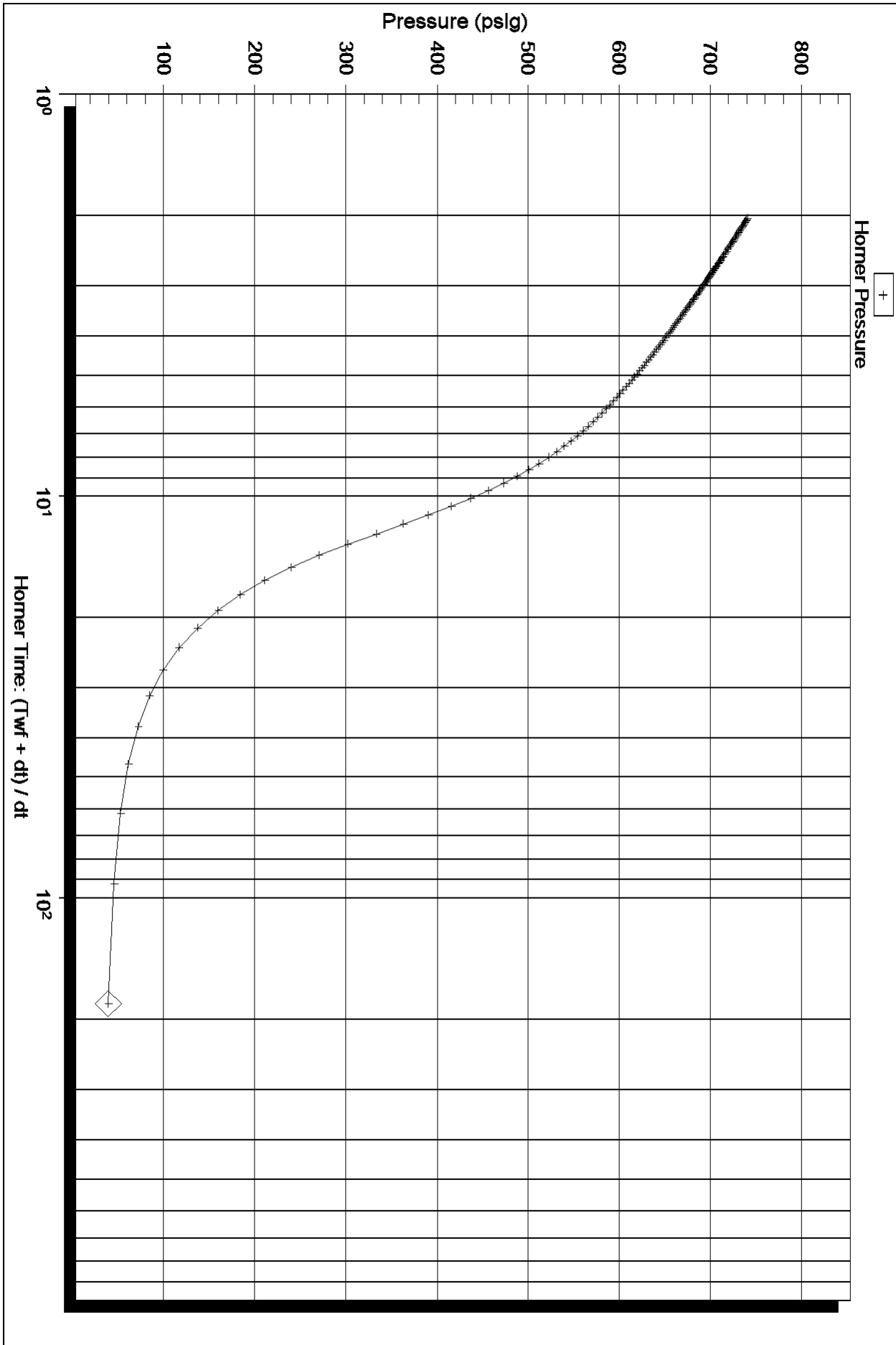
Serial # 8369 Outside				Serial # 8369 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	236.0	1381.88	104.3		275.3	426.50	82.8
	236.2	1381.85	104.3		276.3	425.64	82.6
	236.3	1381.81	104.3		277.3	425.35	82.6
	237.3	1382.45	104.3		278.3	425.23	82.6
	238.3	1444.77	104.3		279.3	425.14	82.6
	239.3	1377.59	104.0		280.3	425.05	82.6
	240.3	1376.06	103.8		281.3	425.01	82.6
	241.3	1317.00	103.0		282.3	410.09	82.6
	242.3	1259.41	101.3		283.3	394.53	82.1
	243.3	1258.45	100.3		284.3	362.64	81.5
	244.3	1221.76	99.1		285.3	331.33	80.9
	245.3	1250.37	98.4		286.3	299.51	80.2
	246.3	1219.50	97.7		287.3	298.58	79.7
	247.3	1187.81	96.9		288.3	266.75	78.9
	248.3	1156.62	96.2		289.3	233.44	78.7
	249.3	1124.82	95.6		290.3	217.18	78.0
	250.3	1093.39	95.0		291.3	189.67	77.2
	251.3	1060.80	94.3		292.3	170.71	76.5
	252.3	1057.97	94.1		293.3	138.89	75.9
	253.3	1028.61	93.5		294.3	138.81	75.8
	254.3	997.24	93.0		295.3	106.50	75.3
	255.3	965.55	92.3		296.3	106.78	75.2
	256.3	933.79	91.7		297.3	106.59	75.2
	257.3	901.90	91.0		298.3	106.52	75.2
	258.3	899.62	90.8		299.3	106.52	75.2
	259.3	877.07	90.7		300.3	106.49	75.2
	260.3	869.95	90.3		301.3	85.33	75.1
	261.3	838.60	89.7		302.3	74.65	74.4
	262.3	807.07	89.1		303.3	57.42	74.3
	263.3	774.75	88.6		304.3	43.64	73.7
	264.3	747.69	88.1		305.3	44.10	73.6
	265.3	738.38	87.6		306.3	44.18	73.6
	266.3	665.33	87.2		307.3	14.08	73.1
	267.3	631.56	86.6		308.3	14.19	72.9
	268.3	647.36	86.1		309.3	14.29	72.9
	269.3	615.80	85.7		310.3	14.36	72.9
	270.3	584.39	85.2		311.3	14.37	72.9
	271.3	553.35	84.7		312.3	14.36	72.9
	272.3	521.45	84.2		313.3	14.32	72.9
	273.3	490.17	83.8		314.3	14.25	72.9
	274.3	458.16	83.3		315.3	14.18	72.9

Printing every 6 samples

Serial # 8369		Outside	
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	316.3	14.12	72.9
	317.3	14.04	72.9
	318.3	13.96	73.0
	319.3	13.90	73.0
	320.3	13.83	73.0
	321.3	13.29	73.0
	322.3	12.03	73.0
	323.3	7.89	73.3
	324.3	9.12	73.5
	325.3	9.36	73.4
	326.3	9.39	73.4
	327.3	8.18	73.3
	328.3	3.41	73.6
	329.3	2.38	73.7
	330.3	2.19	73.3
	331.3	1.56	69.5
	332.3	1.65	63.1
	333.3	1.59	63.3
	334.3	1.49	63.5
	335.3	1.36	60.4
	336.3	1.04	49.8
	337.3	0.79	47.3
	338.3	0.72	45.1
	339.3	0.79	43.1
	340.3	0.90	41.6
	341.3	0.98	40.3
	342.3	1.07	39.2
	343.3	1.15	38.3
	344.3	1.22	37.5
	345.3	1.30	36.8
	346.3	1.32	36.3
	347.3	1.42	36.4
	347.6	1.87	37.9

Printing every 6 samples

Horner Plot



Serial Number: 8369 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1