

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **VAL Energy, Inc.**

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stewart

25-18s-26w-Ness

Mauch 1-25

Start Date: 2004.12.02 @ 16:45:11
End Date: 2004.12.02 @ 23:23:41
Job Ticket #: 20229 DST #: 1

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

DRILL STEM TEST REPORT

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VAL Energy, Inc.

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stewart

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20229 **DST#: 1**

Test Start: 2004.12.02 @ 16:45:11

GENERAL INFORMATION:

Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:05:41
Time Test Ended: 23:23:41

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

Interval: 4290.00 ft (KB) To 4335.00 ft (KB) (TVD)
Total Depth: 4335.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

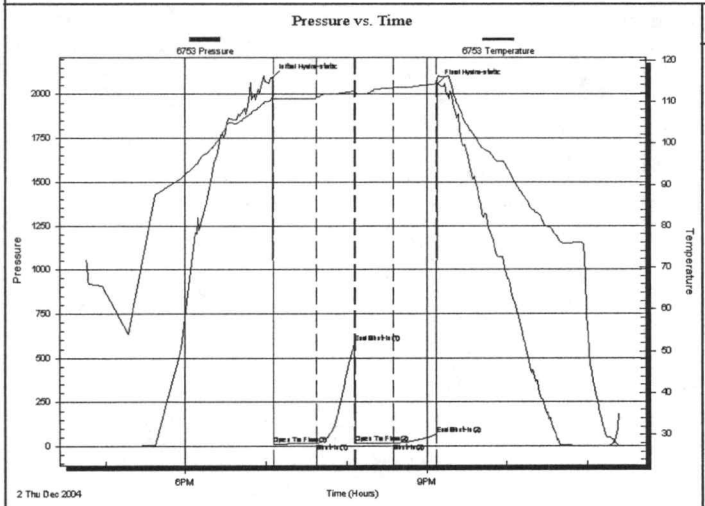
Reference Elevations: 2478.00 ft (KB)
2473.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 **Inside**

Press@RunDepth: 15.57 psig @ 4293.00 ft (KB)
Start Date: 2004.12.02 End Date: 2004.12.02
Start Time: 16:45:16 End Time: 23:23:40

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.12.02 @ 19:05:11
Time Off Btm: 2004.12.02 @ 21:08:11

TEST COMMENT: IFP-Weak Blow ,Built to 1"
ISI-Dead
FFP-Weak Surface Blow
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2094.23	111.05	Initial Hydro-static
1	12.91	110.75	Open To Flow (1)
33	14.88	110.85	Shut-In(1)
61	587.17	112.54	End Shut-In(1)
61	14.78	112.19	Open To Flow (2)
90	15.57	113.29	Shut-In(2)
122	67.03	114.26	End Shut-In(2)
123	2060.02	116.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud W/Oil Spots in Tool	0.07

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

VAL Energy, Inc.

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stewart

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20229 **DST#: 1**

Test Start: 2004.12.02 @ 16:45:11

Tool Information

Drill Pipe:	Length:	4280.00 ft	Diameter:	3.80 inches	Volume:	60.04 bbl
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl
					Total Volume:	60.04 bbl

Drill Pipe Above KB:	11.00 ft
Depth to Top Packer:	4290.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	45.00 ft
Tool Length:	66.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2400.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	60000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	48000.00 lb
Final	48000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4270.00		
Shut In Tool	5.00			4275.00		
Hydraulic tool	5.00			4280.00		
Packer	5.00			4285.00	21.00	Bottom Of Top Packer
Packer	5.00			4290.00		
Stubb	1.00			4291.00		
Perforations	1.00			4292.00		
Change Over Sub	1.00			4293.00		
Recorder	0.00	6753	Inside	4293.00		
Blank Spacing	31.00			4324.00		
Change Over Sub	1.00			4325.00		
Perforations	7.00			4332.00		
Recorder	0.00	13252	Outside	4332.00		
Bullnose	3.00			4335.00	45.00	Bottom Packers & Anchor
Total Tool Length:	**66.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

VAL Energy, Inc.

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stew art

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20229 **DST#: 1**

Test Start: 2004.12.02 @ 16:45:11

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:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5400.00 ppm				
Filter Cake:	2.00 inches				

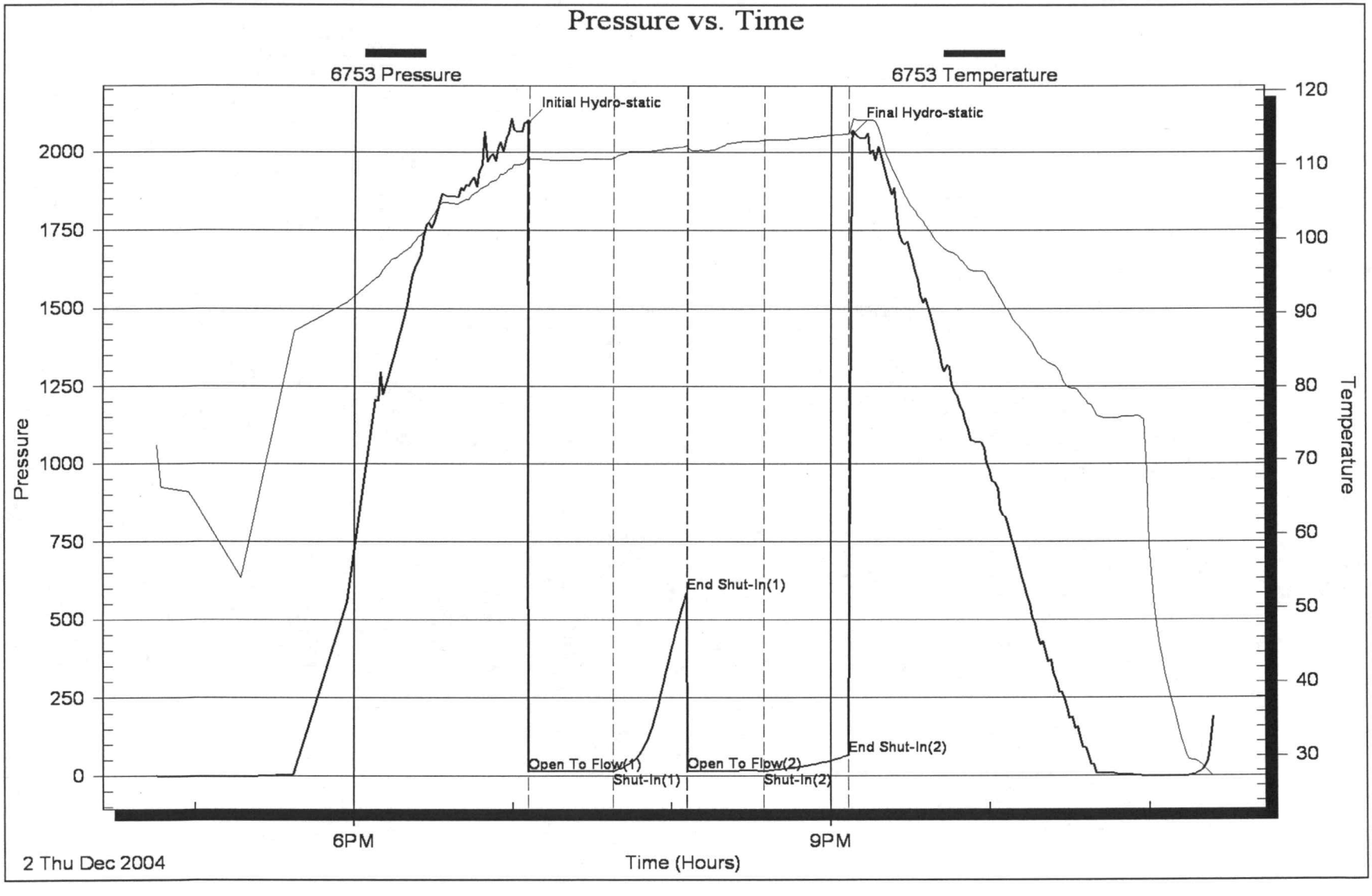
Recovery Information

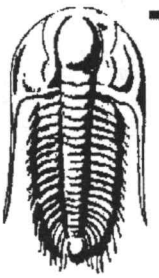
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud W/Oil Spots in Tool	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6753 Pressure
6753 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
2000
1750
1500
1250
1000
750
500
250
0
Pressure
120
110
100
90
80
70
60
50
40
30
Temperature
6PM
9PM
2 Thu Dec 2004
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **VAL Energy, Inc.**

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stewart

25-18s-26w-Ness

Mauch 1-25

Start Date: 2004.12.03 @ 13:43:46
End Date: 2004.12.03 @ 21:14:46
Job Ticket #: 20230 DST #: 2

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

VAL Energy, Inc.

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stewart

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20230 **DST#: 2**

Test Start: 2004.12.03 @ 13:43:46

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:36:16
Time Test Ended: 21:14:46

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

Interval: 4352.00 ft (KB) To 4412.00 ft (KB) (TVD)
Total Depth: 4412.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

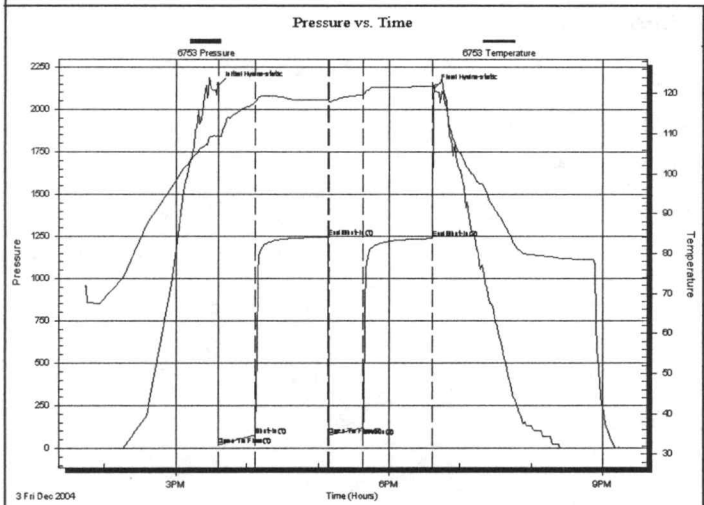
Reference Elevations: 2478.00 ft (KB)
2473.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 **Inside**

Press@RunDepth: 117.59 psig @ 4355.00 ft (KB)
Start Date: 2004.12.03 End Date: 2004.12.03
Start Time: 13:43:51 End Time: 21:14:45

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.12.03 @ 15:35:46
Time Off Btm: 2004.12.03 @ 18:37:46

TEST COMMENT: IFP-Good blow , BOB in 19 min.
ISP-Dead
FFP-Good blow , BOBin 24 min.
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.49	109.73	Initial Hydro-static
1	17.81	109.02	Open To Flow (1)
31	76.30	117.87	Shut-In(1)
93	1247.27	118.46	End Shut-In(1)
93	77.79	118.08	Open To Flow (2)
122	117.59	119.71	Shut-In(2)
181	1237.17	121.70	End Shut-In(2)
182	2125.62	121.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
230.00	MCO-20%G-50%O-30%M	3.23
20.00	Free Oil	0.28

Gas Rates

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

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DRILL STEM TEST REPORT

TOOL DIAGRAM

VAL Energy, Inc.

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stew art

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20230 **DST#: 2**

Test Start: 2004.12.03 @ 13:43:46

Tool Information

Drill Pipe:	Length:	4344.00 ft	Diameter:	3.80	inches	Volume:	60.93	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25	inches	Volume:	0.00	bbl	
						Total Volume:	60.93	bbl	

Drill Pipe Above KB:	13.00 ft
Depth to Top Packer:	4352.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	60.00 ft
Tool Length:	81.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:		2700.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		52000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	47000.00 lb
	Final	48000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4332.00		
Shut In Tool	5.00			4337.00		
Hydraulic tool	5.00			4342.00		
Packer	5.00			4347.00	21.00	Bottom Of Top Packer
Packer	5.00			4352.00		
Stubb	1.00			4353.00		
Perforations	1.00			4354.00		
Change Over Sub	1.00			4355.00		
Recorder	0.00	6753	Inside	4355.00		
Blank Spacing	31.00			4386.00		
Change Over Sub	1.00			4387.00		
Perforations	22.00			4409.00		
Recorder	0.00	13252	Outside	4409.00		
Bullnose	3.00			4412.00	60.00	Bottom Packers & Anchor
Total Tool Length:	**81.00**					

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FLUID SUMMARY

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Po Box 116
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ATTN: Zeb Stewart

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20230 **DST#: 2**

Test Start: 2004.12.03 @ 13:43:46

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5400.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

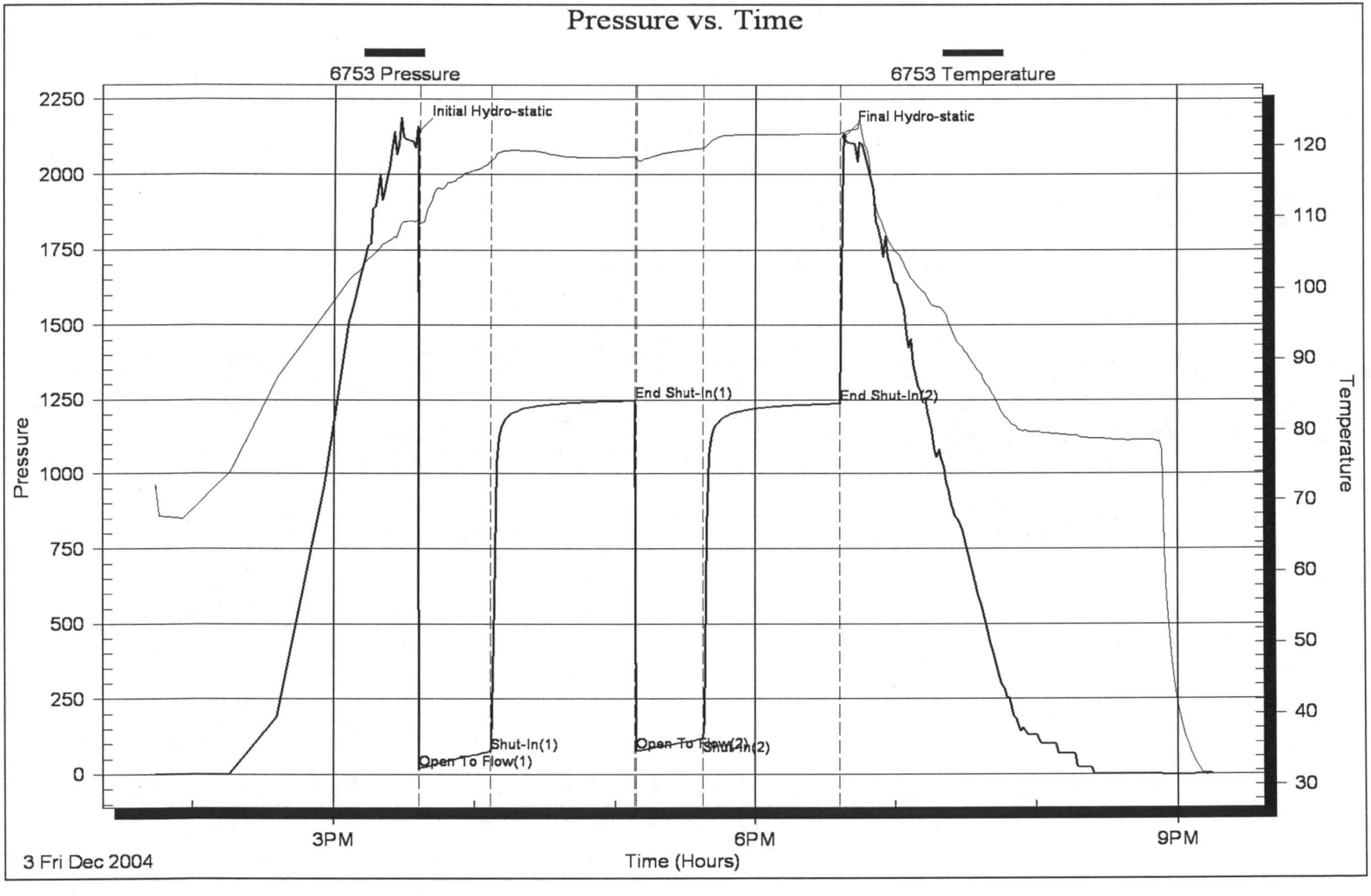
Length ft	Description	Volume bbl
230.00	MCO-20%G-50%O-30%M	3.226
20.00	Free Oil	0.281

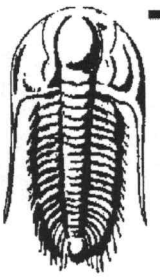
Total Length: 250.00 ft Total Volume: 3.507 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6753 Pressure
6753 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
30
3PM
6PM
9PM
3 Fri Dec 2004
Time (Hours)



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DRILL STEM TEST REPORT

Prepared For: **VAL Energy, Inc.**

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stewart

25-18s-26w-Ness

Mauch 1-25

Start Date: 2004.12.04 @ 02:49:01
End Date: 2004.12.04 @ 10:16:31
Job Ticket #: 20231 DST #: 3

Trilobite Testing, Inc
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ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

VAL Energy, Inc.

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stewart

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20231 **DST#: 3**

Test Start: 2004.12.04 @ 02:49:01

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:02:01
Time Test Ended: 10:16:31

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

Interval: 4352.00 ft (KB) To 4417.00 ft (KB) (TVD)
Total Depth: 4417.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

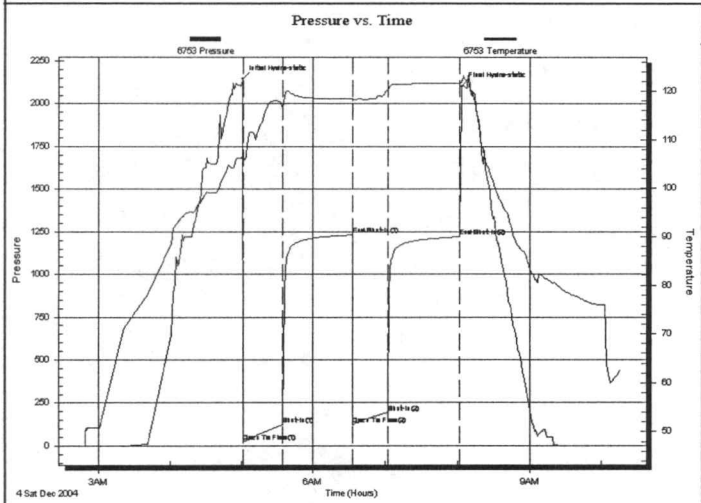
Reference Elevations: 2478.00 ft (KB)
2473.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 **Inside**

Press@RunDepth: 193.57 psig @ 4355.00 ft (KB)
Start Date: 2004.12.04 End Date: 2004.12.04
Start Time: 02:49:06 End Time: 10:16:30

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.12.04 @ 05:01:01
Time Off Btm: 2004.12.04 @ 08:03:31

TEST COMMENT: IFP-Good Blow , BOB in 12 Min.
ISI-Dead
FFP-Good Blow , BOB in 16 Min.
FSI-Weak Surface Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.28	106.59	Initial Hydro-static
1	22.74	105.83	Open To Flow (1)
34	122.24	116.65	Shut-In(1)
92	1230.04	118.41	End Shut-In(1)
93	123.67	118.10	Open To Flow (2)
121	193.57	120.23	Shut-In(2)
181	1219.85	121.62	End Shut-In(2)
183	2101.79	122.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
410.00	Frothy Muddy Oil -25%G-52%O-3%W-	205.75

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

VAL Energy, Inc.

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stew art

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20231 **DST#: 3**

Test Start: 2004.12.04 @ 02:49:01

Tool Information

Drill Pipe:	Length:	4344.00 ft	Diameter:	3.80 inches	Volume:	60.93 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	60.93 bbl	

Drill Pipe Above KB:	13.00 ft
Depth to Top Packer:	4352.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	65.00 ft
Tool Length:	86.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2700.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	55000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	47000.00 lb
Final	50000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4332.00		
Shut In Tool	5.00			4337.00		
Hydraulic tool	5.00			4342.00		
Packer	5.00			4347.00	21.00	Bottom Of Top Packer
Packer	5.00			4352.00		
Stubb	1.00			4353.00		
Perforations	1.00			4354.00		
Change Over Sub	1.00			4355.00		
Recorder	0.00	6753	Inside	4355.00		
Blank Spacing	31.00			4386.00		
Change Over Sub	1.00			4387.00		
Perforations	27.00			4414.00		
Recorder	0.00	13252	Outside	4414.00		
Bullnose	3.00			4417.00	65.00	Bottom Packers & Anchor
Total Tool Length:	**86.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

VAL Energy, Inc.

Po Box 116
Wichita, KS.67201

ATTN: Zeb Stewart

Mauch 1-25

25-18s-26w-Ness

Job Ticket: 20231 **DST#: 3**

Test Start: 2004.12.04 @ 02:49:01

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:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

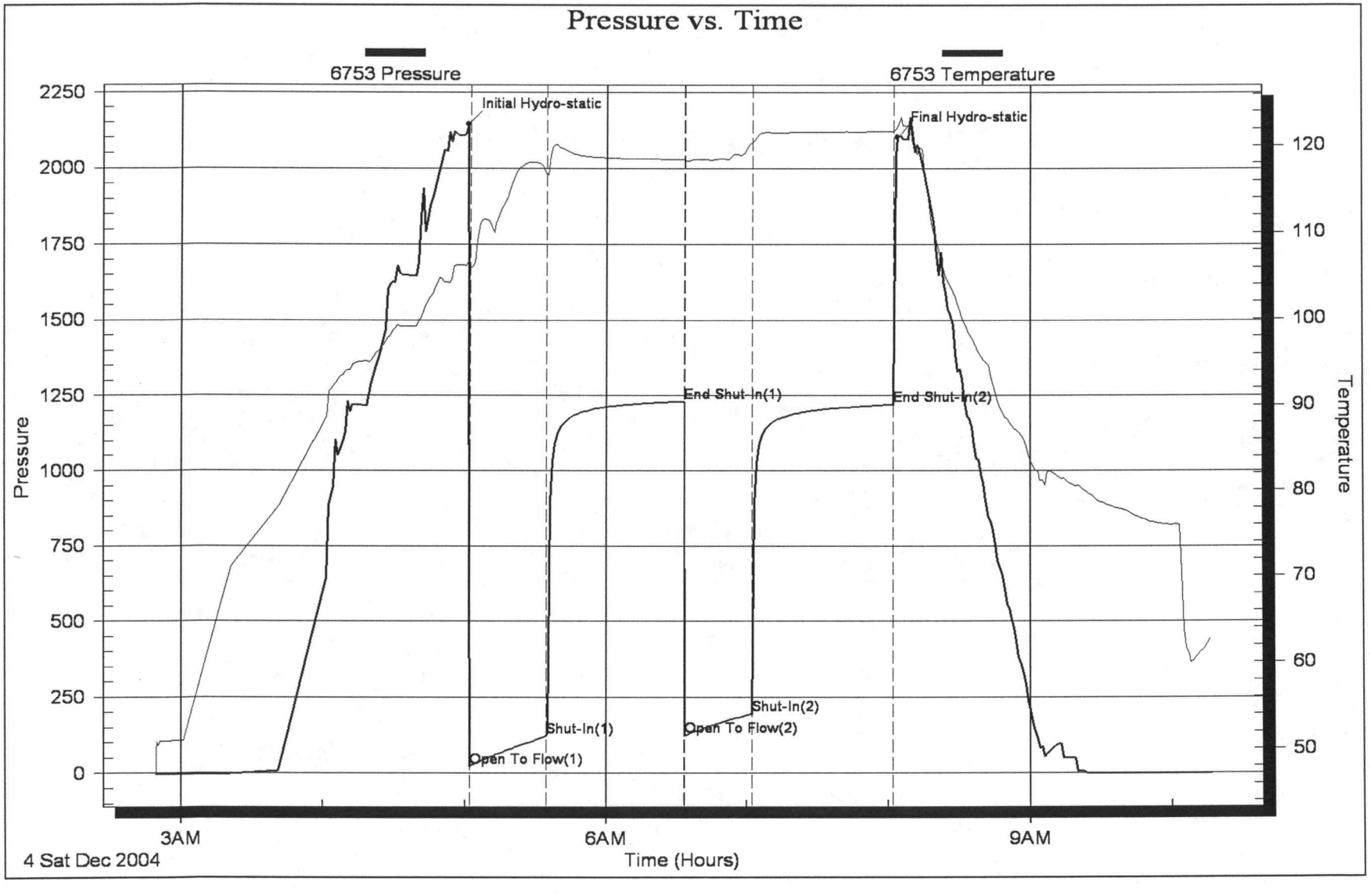
Length ft	Description	Volume bbl
410.00	Frothy Muddy Oil -25%G-52%O-3%W-20%M	5.751

Total Length: 410.00 ft Total Volume: 5.751 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6753 Pressure
6753 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Shut-In(2)
Open To Flow(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
3AM
6AM
9AM
4 Sat Dec 2004
Time (Hours)