15-009-25183

10-17s-13w

IND

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

CONFIDENTIAL
AUG 19 2008
KCC

10 17S 13W Barton KS

Koester Brothers # 1-10

Start Date: 2008.05.02 @ 13:35:57
End Date: 2008.05.02 @ 23:03:57
Job Ticket #: 31098 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31098 **DST#: 1**

Test Start: 2008.05.02 @ 13:35:57

GENERAL INFORMATION:

Formation: **LKC-"F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:37:27
Time Test Ended: 23:03:57

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 3159.00 ft (KB) To 3176.00 ft (KB) (TVD)
Total Depth: 3176.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

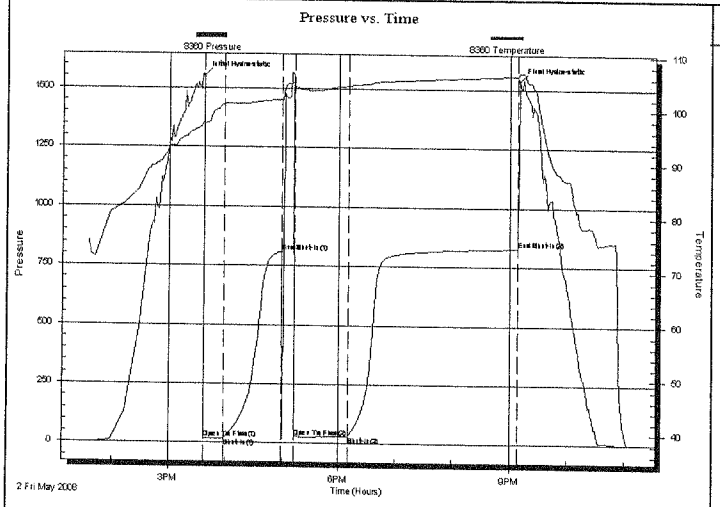
Reference Elevations: 1885.00 ft (KB)
1875.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8360 **Inside**

Press@RunDepth: 30.63 psig @ 3163.00 ft (KB)
Start Date: 2008.05.02 End Date: 2008.05.02
Start Time: 13:35:59 End Time: 23:03:57

Capacity: 7000.00 psig
Last Calib.: 2008.05.02
Time On Btm: 2008.05.02 @ 15:36:57
Time Off Btm: 2008.05.02 @ 21:09:57

TEST COMMENT: IFP Fair blow built to 6 "
ISI Dead
FFP BOB on open possible Packer Failure pump down pull tool loose fix pump fill hole and reset tool weak blow built to 2-1/8 " died in 35 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1553.01	97.78	Initial Hydro-static
1	16.50	97.35	Open To Flow (1)
22	18.74	100.95	Shut-In(1)
83	808.99	101.92	End Shut-In(1)
96	26.88	104.42	Open To Flow (2)
153	30.63	104.52	Shut-In(2)
332	826.37	106.49	End Shut-In(2)
333	1537.17	107.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	MCO 50%O 50%M	0.70
0.00	240 GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31098 **DST#: 1**

Test Start: 2008.05.02 @ 13:35:57

Tool Information

Drill Pipe:	Length:	3150.00 ft	Diameter:	3.80 inches	Volume:	44.19 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	44.19 bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	3159.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	17.00 ft
Tool Length:	38.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	36000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	34000.00 lb
Final	34000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3139.00		
Shut In Tool	5.00			3144.00		
Hydraulic tool	5.00			3149.00		
Packer	5.00			3154.00	21.00	Bottom Of Top Packer
Packer	5.00			3159.00		
Stubb	1.00			3160.00		
Perforations	3.00			3163.00		
Recorder	0.00	8360	Inside	3163.00		
Recorder	0.00	6719	Outside	3163.00		
Perforations	10.00			3173.00		
Bullnose	3.00			3176.00	17.00	Bottom Packers & Anchor
Total Tool Length:	**38.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31098 **DST#: 1**

Test Start: 2008.05.02 @ 13:35:57

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.96 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7300.00 ppm				
Filter Cake:	inches				

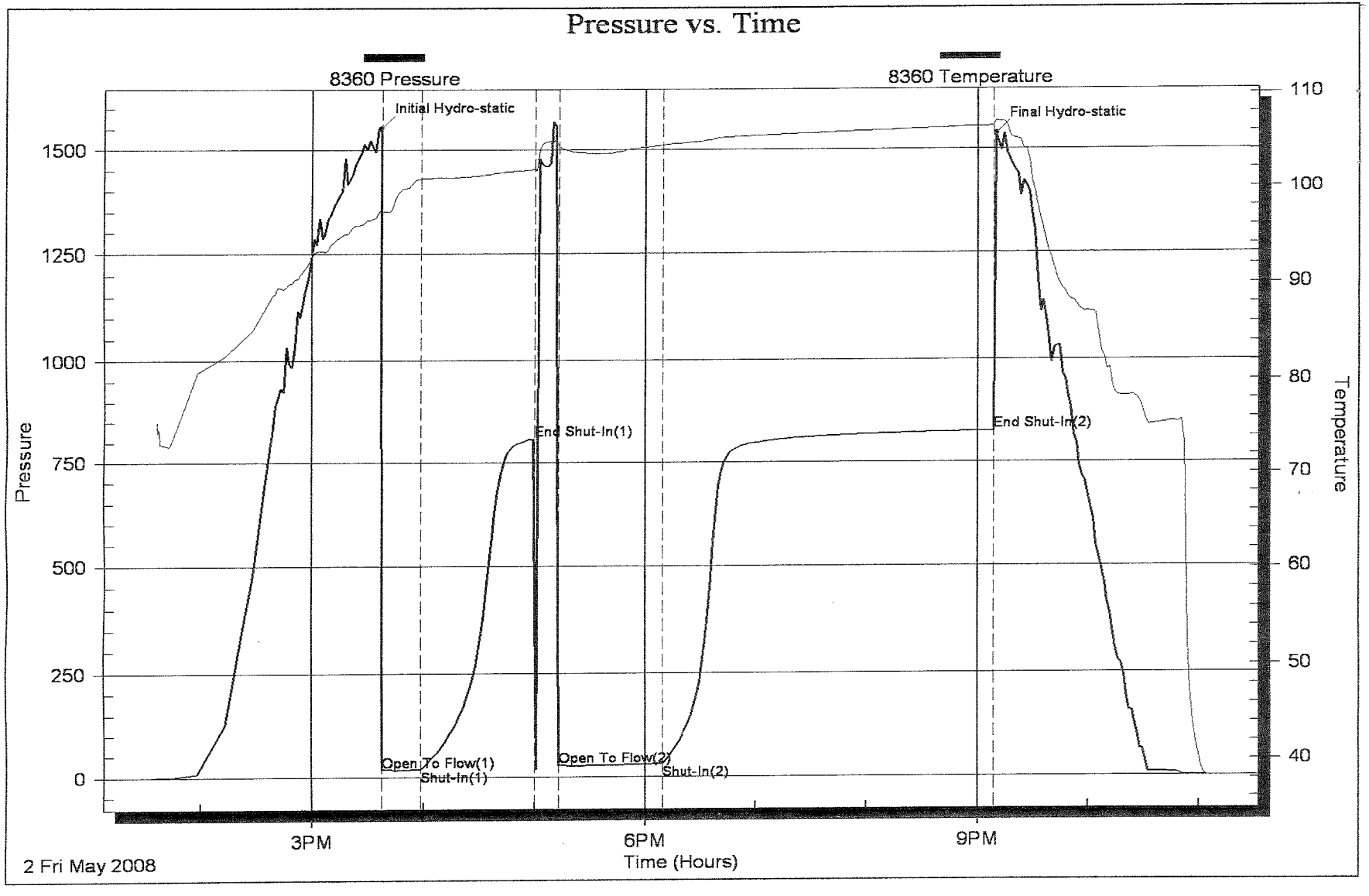
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	MCO 50%O 50%M	0.701
0.00	240 GIP	0.000

Total Length: 50.00 ft Total Volume: 0.701 bbl

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


Pressure vs. Time
8360 Pressure
8360 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)
Pressure
Temperature
1500
1250
1000
750
500
250
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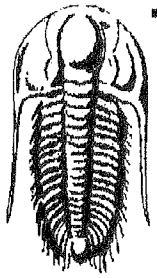
110
100
90
80
70
60
50
40
3PM
6PM
9PM
Time (Hours)
2 Fri May 2008



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

10 17S 13W Barton KS

Koester Brothers # 1-10

Start Date: 2008.05.03 @ 04:27:36

End Date: 2008.05.03 @ 11:49:06

Job Ticket #: 31099 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31099 **DST#: 2**

Test Start: 2008.05.03 @ 04:27:36

GENERAL INFORMATION:

Formation: **LKC-"G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:56:36
Time Test Ended: 11:49:06

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

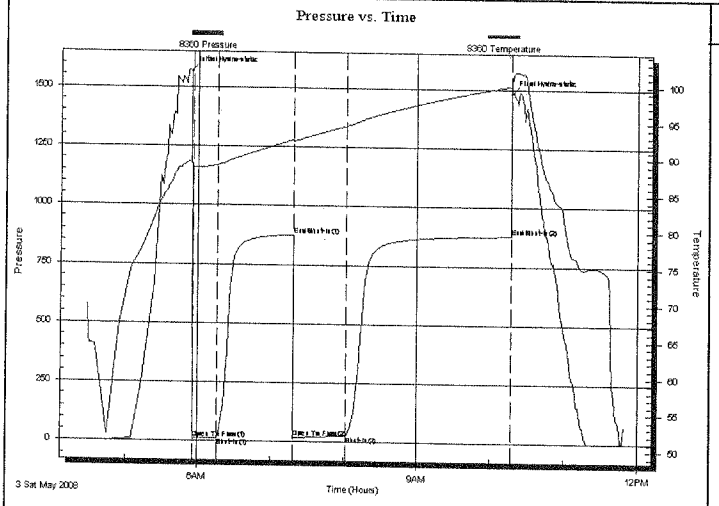
Interval: 3179.00 ft (KB) To 3190.00 ft (KB) (TVD)
Total Depth: 3190.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1885.00 ft (KB)
1875.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8360 **Inside**
Press@RunDepth: 27.23 psig @ 3183.00 ft (KB)
Start Date: 2008.05.03 End Date: 2008.05.03
Start Time: 04:27:38 End Time: 11:49:06

Capacity: 7000.00 psig
Last Calib.: 2008.05.03
Time On Btm: 2008.05.03 @ 05:55:06
Time Off Btm: 2008.05.03 @ 10:17:06

TEST COMMENT: IFP Good blow BOB in 14 Min.
ISI Dead
FFP Good blow BOB in 13 Min.
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1566.36	89.28	Initial Hydro-static
2	10.54	88.67	Open To Flow (1)
21	15.33	88.91	Shut-In(1)
83	875.40	92.45	End Shut-In(1)
84	16.45	92.15	Open To Flow (2)
127	27.23	94.42	Shut-In(2)
262	877.55	100.01	End Shut-In(2)
262	1481.06	100.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Free Oil	0.14
28.00	MCO 75%O 25%M	0.39
0.00	180 ' GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31099 **DST#: 2**

Test Start: 2008.05.03 @ 04:27:36

Tool Information

Drill Pipe:	Length:	3182.00 ft	Diameter:	3.80 inches	Volume:	44.64 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:	35000.00 lb
					Total Volume:	44.64 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		24.00 ft					String Weight: Initial	34000.00 lb
Depth to Top Packer:		3179.00 ft					Final	34000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		11.00 ft						
Tool Length:		32.00 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			3159.00		
Shut In Tool	5.00			3164.00		
Hydraulic tool	5.00			3169.00		
Packer	5.00			3174.00	21.00	Bottom Of Top Packer
Packer	5.00			3179.00		
Stubb	1.00			3180.00		
Perforations	3.00			3183.00		
Recorder	0.00	8360	Inside	3183.00		
Recorder	0.00	6719	Outside	3183.00		
Perforations	4.00			3187.00		
Bullnose	3.00			3190.00	11.00	Bottom Packers & Anchor
Total Tool Length:	**32.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31099 **DST#: 2**

Test Start: 2008.05.03 @ 04:27:36

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:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8500.00 ppm				
Filter Cake:	inches				

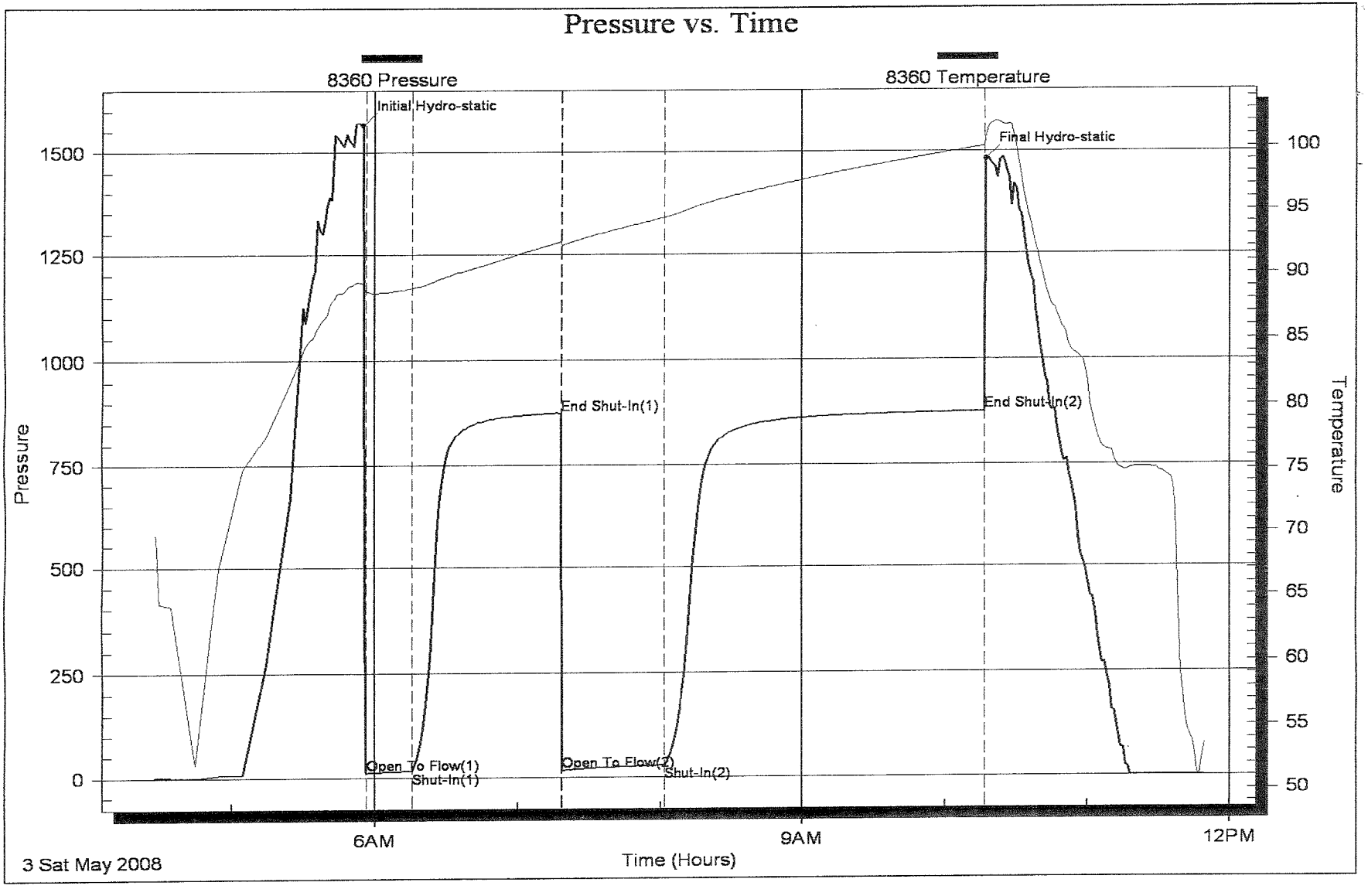
Recovery Information

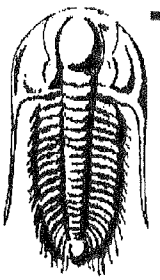
Recovery Table

Length ft	Description	Volume bbl
10.00	Free Oil	0.140
28.00	MCO 75%O 25%M	0.393
0.00	180 ' GIP	0.000

Total Length: 38.00 ft Total Volume: 0.533 bbl

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


Pressure vs. Time
8360 Pressure
8360 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)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
65
60
55
50
6AM
9AM
12PM
3 Sat May 2008
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

10 17S 13W Barton KS

Koester Brothers # 1-10

Start Date: 2008.05.04 @ 17:18:00
End Date: 2008.05.04 @ 23:04:30
Job Ticket #: 31100 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31100 **DST#: 3**

Test Start: 2008.05.04 @ 17:18:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:52:00
Time Test Ended: 23:04:30

Test Type: Conventional Straddle
Tester: Jason McLemore
Unit No: 32

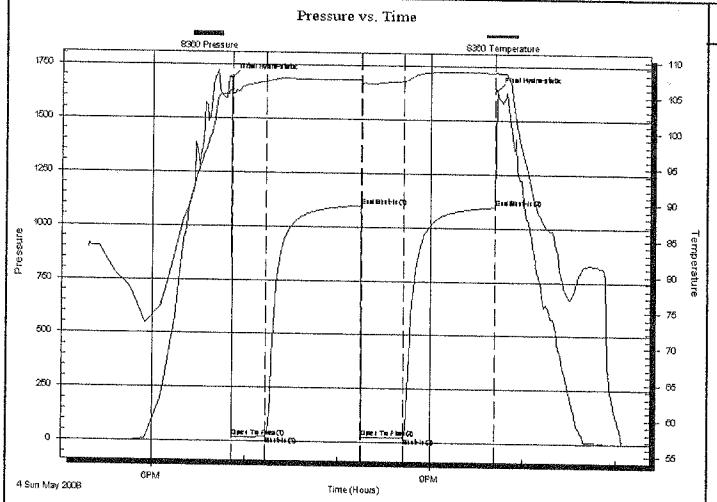
Interval: 3311.00 ft (KB) To 3337.00 ft (KB) (TVD)
Total Depth: 3426.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1885.00 ft (KB)
1875.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8360 **Inside**
Press@RunDepth: 25.99 psig @ 3312.00 ft (KB)
Start Date: 2008.05.04 End Date: 2008.05.04
Start Time: 17:18:02 End Time: 23:04:30

Capacity: 7000.00 psig
Last Calib.: 2008.05.04
Time On Btm: 2008.05.04 @ 18:51:30
Time Off Btm: 2008.05.04 @ 21:43:30

TEST COMMENT: IFP Weak blow built to 2 "
ISI Dead
FFP Dead
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.50	105.67	Initial Hydro-static
1	19.89	105.12	Open To Flow (1)
22	22.23	106.89	Shut-In(1)
84	1098.60	107.27	End Shut-In(1)
84	23.75	106.60	Open To Flow (2)
111	25.99	107.16	Shut-In(2)
171	1095.55	108.38	End Shut-In(2)
172	1637.91	108.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.01
14.00	SOCM 10%O 90%M	0.20

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31100 **DST#: 3**

Test Start: 2008.05.04 @ 17:18:00

Tool Information

Drill Pipe:	Length:	3310.00 ft	Diameter:	3.80 inches	Volume:	46.43 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:	38000.00 lb
					Total Volume:	46.43 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight: Initial	35000.00 lb
Depth to Top Packer:		3311.00 ft					Final	35000.00 lb
Depth to Bottom Packer:		3337.00 ft						
Interval between Packers:		26.00 ft						
Tool Length:		136.00 ft						
Number of Packers:		3	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3291.00		
Shut In Tool	5.00			3296.00		
Hydraulic tool	5.00			3301.00		
Packer	5.00			3306.00	21.00	Bottom Of Top Packer
Packer	5.00			3311.00		
Stubb	1.00			3312.00		
Recorder	0.00	8360	Inside	3312.00		
Perforations	10.00			3322.00		
Perforations	11.00			3333.00		
Blank Off Sub	1.00			3334.00		
Blank Spacing	3.00			3337.00	26.00	Tool Interval
Packer	1.00			3338.00		
Stubb	1.00			3339.00		
Perforations	19.00			3358.00		
Recorder	0.00	6719	Below	3358.00		
Change Over Sub	1.00			3359.00		
Blank Spacing	63.00			3422.00		
Change Over Sub	1.00			3423.00		
Recorder	0.00	13225	Below	3423.00		
Bullnose	3.00			3426.00	89.00	Bottom Packers & Anchor
Total Tool Length:	**136.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 31100 **DST#: 3**

Test Start: 2008.05.04 @ 17:18:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.96 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7300.00 ppm				
Filter Cake:	inches				

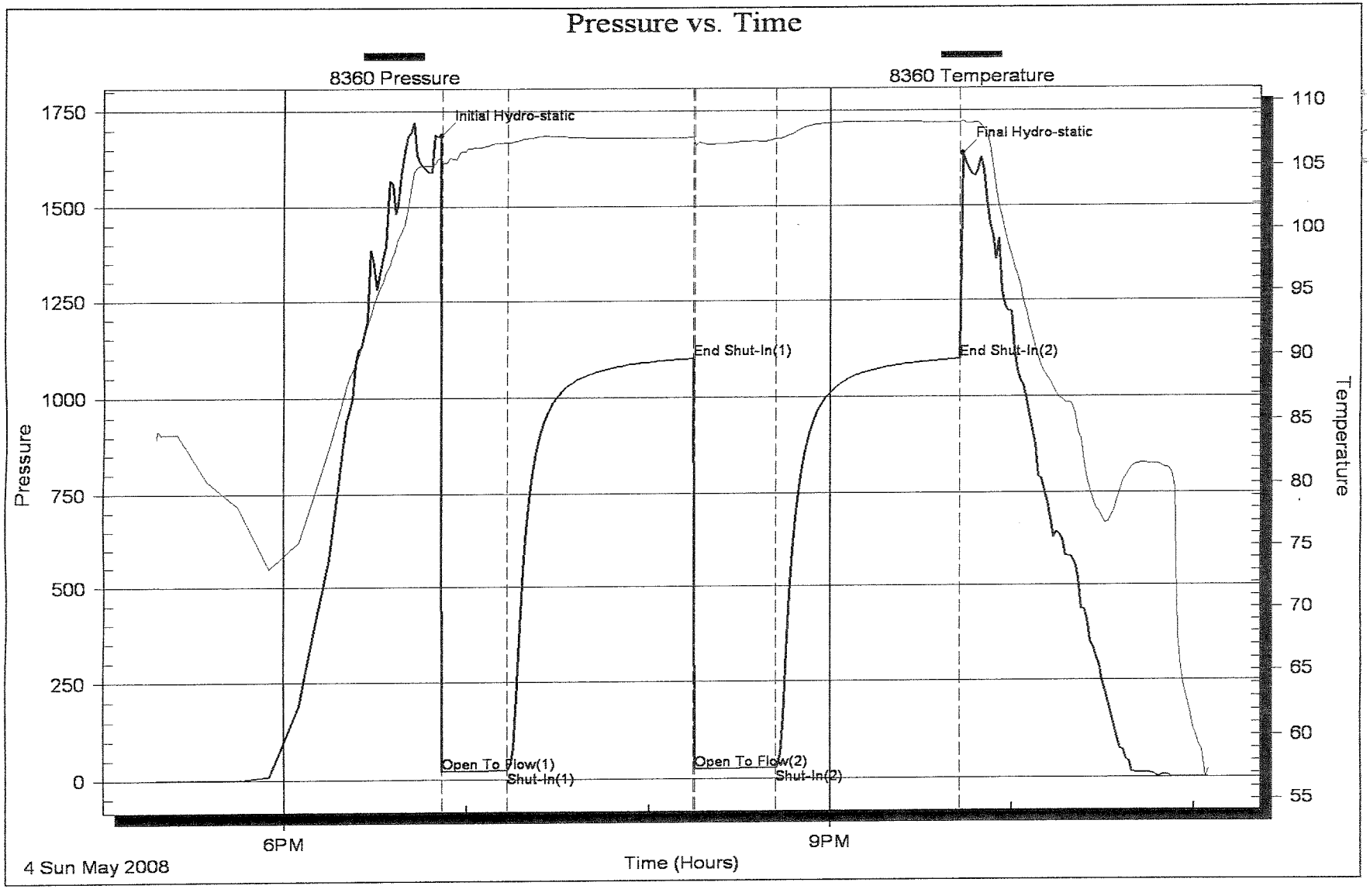
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Free Oil	0.014
14.00	SOCM 10%O 90%M	0.196

Total Length: 15.00 ft Total Volume: 0.210 bbl

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


Pressure vs. Time
8360 Pressure
8360 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)
Pressure
Temperature
Time (Hours)
6PM
9PM
4 Sun May 2008
1750
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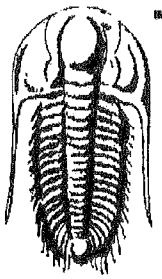


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

10 17S 13W Barton KS

Koester Brothers # 1-10

Start Date: 2008.05.04 @ 23:45:06
End Date: 2008.05.05 @ 06:18:06
Job Ticket #: 32001 DST #: 4

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 32001 **DST#: 4**

Test Start: 2008.05.04 @ 23:45:06

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:55:06
Time Test Ended: 06:18:06

Test Type: Conventional Straddle
Tester: Jason McLemore
Unit No: 32

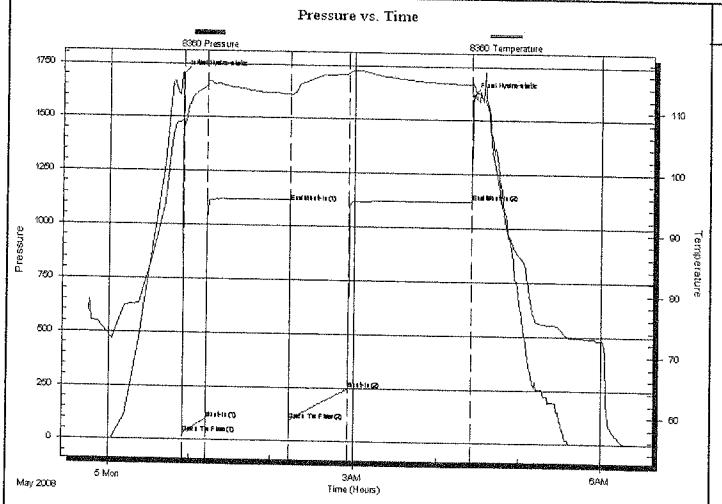
Interval: 3311.00 ft (KB) To 3341.00 ft (KB) (TVD)
Total Depth: 3426.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1885.00 ft (KB)
1875.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8360 **Inside**
Press@RunDepth: 244.96 psig @ 3312.00 ft (KB)
Start Date: 2008.05.04 End Date: 2008.05.05
Start Time: 23:45:08 End Time: 06:18:06

Capacity: 7000.00 psig
Last Calib.: 2008.05.05
Time On Btm: 2008.05.05 @ 00:54:36
Time Off Btm: 2008.05.05 @ 04:26:06

TEST COMMENT: IFP Good blow BOB in 9 Min.
ISI Dead
FFP Good blow BOB in 12 Min.
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.65	108.13	Initial Hydro-static
1	27.58	107.06	Open To Flow (1)
18	97.34	114.03	Shut-In(1)
79	1110.23	112.74	End Shut-In(1)
79	96.57	112.40	Open To Flow (2)
121	244.96	116.17	Shut-In(2)
211	1120.75	114.63	End Shut-In(2)
212	1614.32	114.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Free Oil	0.14
480.00	Salt Water	6.73

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 32001 **DST#: 4**

Test Start: 2008.05.04 @ 23:45:06

Tool Information

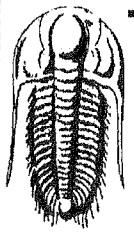
Drill Pipe:	Length:	3310.00 ft	Diameter:	3.80 inches	Volume:	46.43 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	46.43 bbl	

Drill Pipe Above KB:	20.00 ft
Depth to Top Packer:	3311.00 ft
Depth to Bottom Packer:	3341.00 ft
Interval between Packers:	30.00 ft
Tool Length:	136.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	50000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	35000.00 lb
Final	38000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3291.00		
Shut In Tool	5.00			3296.00		
Hydraulic tool	5.00			3301.00		
Packer	5.00			3306.00	21.00	Bottom Of Top Packer
Packer	5.00			3311.00		
Stubb	1.00			3312.00		
Recorder	0.00	8360	Inside	3312.00		
Perforations	10.00			3322.00		
Perforations	15.00			3337.00		
Blank Off Sub	1.00			3338.00		
Blank Spacing	3.00			3341.00	30.00	Tool Interval
Packer	1.00			3342.00		
Stubb	1.00			3343.00		
Perforations	15.00			3358.00		
Recorder	0.00	6719	Below	3358.00		
Change Over Sub	1.00			3359.00		
Blank Spacing	63.00			3422.00		
Change Over Sub	1.00			3423.00		
Recorder	0.00	13225	Below	3423.00		
Bullnose	3.00			3426.00	85.00	Bottom Packers & Anchor
Total Tool Length:	**136.00**					



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary JR & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Justin Carter

Koester Brothers # 1-10

10 17S 13W Barton KS

Job Ticket: 32001 **DST#: 4**

Test Start: 2008.05.04 @ 23:45:06

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	19 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	17000 ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.57 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

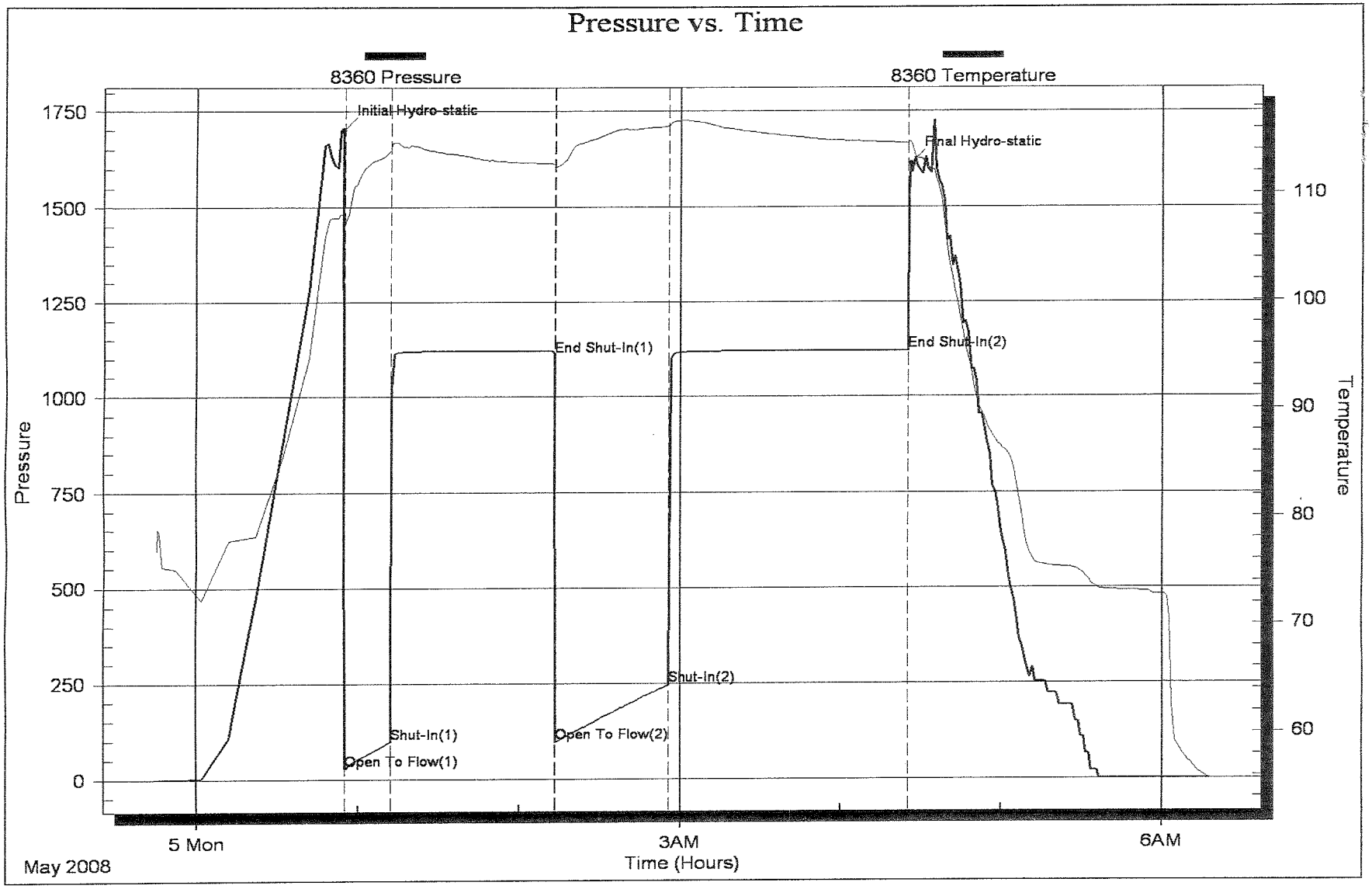
Length ft	Description	Volume bbl
10.00	Free Oil	0.140
480.00	Salt Water	6.733

Total Length: 490.00 ft Total Volume: 6.873 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8360 Pressure
8360 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
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
5 Mon
3AM
6AM
May 2008
Time (Hours)