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KANSAS CORPORATION COMMISSION
DEC 27 2005
CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Company**

125 N. Market
Suite 1000
Wichita, KS 67202

ATTN: Wes Hansen

8-35s-13w Barber KS

Sternberger 'A' GU #3

Start Date: 2005.08.31 @ 21:27:59

End Date: 2005.09.01 @ 06:36:14

Job Ticket #: 21740 DST #: 1

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

Woolsey Operating Company

Sternberger 'A' GU #3

8-35s-13w Barber KS

DST # 1

Lansing 'A'

2005.08.31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Company

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Wes Hansen

Stemberger 'A' GU #3

8-35s-13w Barber KS

Job Ticket: 21740 **DST#: 1**

Test Start: 2005.08.31 @ 21:27:59

GENERAL INFORMATION:

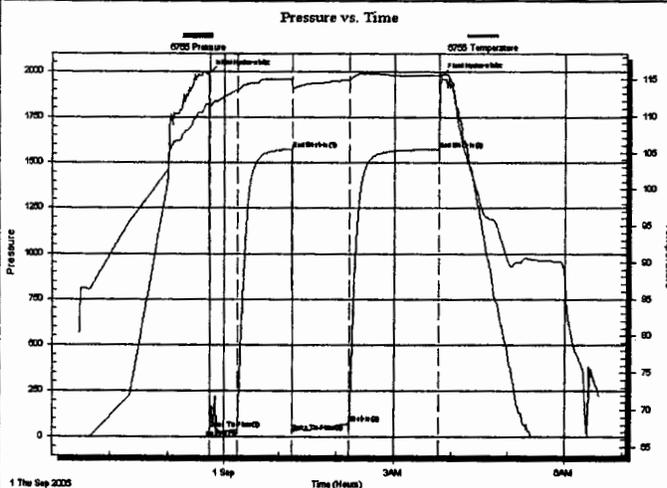
Formation: **Lansing 'A'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:44:29
 Time Test Ended: 06:36:14
 Interval: **4216.00 ft (KB) To 4230.00 ft (KB) (TVD)**
 Total Depth: **4230.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Poor
 Test Type: Conventional Bottom Hole
 Tester: Jake Fahrenbruch
 Unit No: 19
 Reference Elevations: 1607.00 ft (KB)
 1596.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6755

Inside

Press@RunDepth: 73.06 psig @ 4217.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2005.08.31 End Date: 2005.09.01 Last Calib.: 2005.09.01
 Start Time: 21:28:04 End Time: 06:36:14 Time On Btmr: 2005.08.31 @ 23:42:59
 Time Off Btmr: 2005.09.01 @ 03:47:59

TEST COMMENT: IF: Strong blow, BOB 15 seconds.
 IS: Bled off, no blow back.
 FF: Strong blow, BOB 10 seconds, GTS 18 minutes.
 FSI Bled off, no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1988.39	111.57	Initial Hydro-static
2	42.13	111.33	Open To Flow (1)
31	39.29	113.48	Shut-In(1)
90	1574.36	114.94	End Shut-in(1)
91	26.05	113.72	Open To Flow (2)
151	73.06	114.89	Shut-In(2)
243	1574.67	115.48	End Shut-in(2)
245	1974.59	115.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCW 20% m 80% w	0.42
0.00	0	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	18.00	12.13
Max. Gas Rate	0.13	18.00	12.13



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Company

Sternberger 'A' GU #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Wes Hansen

8-35s-13w Barber KS
Job Ticket: 21740 DST#: 1
Test Start: 2005.08.31 @ 21:27:59

Tool Information

Drill Pipe:	Length: 4207.00 ft	Diameter: 3.80 inches	Volume: 59.01 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 59.01 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4216.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4193.00	
Hydraulic tool	5.00			4198.00	
Jars	5.00			4203.00	
Safety Joint	3.00			4206.00	
Packer	5.00			4211.00	28.00 Bottom Of Top Packer
Packer	5.00			4216.00	
Stubb	1.00			4217.00	
Recorder	0.00	6755	Inside	4217.00	
Anchor	10.00			4227.00	
Recorder	0.00	6074	Outside	4227.00	
Bullnose	3.00			4230.00	14.00 Bottom Packers & Anchor
Total Tool Length:		42.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Company

Sternberger 'A' GU #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Wes Hansen

8-35s-13w Barber KS
Job Ticket: 21740 DST#: 1
Test Start: 2005.08.31 @ 21:27:59

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: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.04 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MCW 20% m80% w	0.421
0.00	0	0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 1 Num Gas Borbs: 1 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Company

Sternberger 'A' GU #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Wes Hansen

8-35s-13w Barber KS

Job Ticket: 21740 DST#: 1

Test Start: 2005.08.31 @ 21:27:59

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)
2	20	0.13	2.00	6.14
2	30	0.13	6.00	7.63
2	40	0.13	10.00	9.13
2	50	0.13	14.00	10.63
2	60	0.13	18.00	12.13

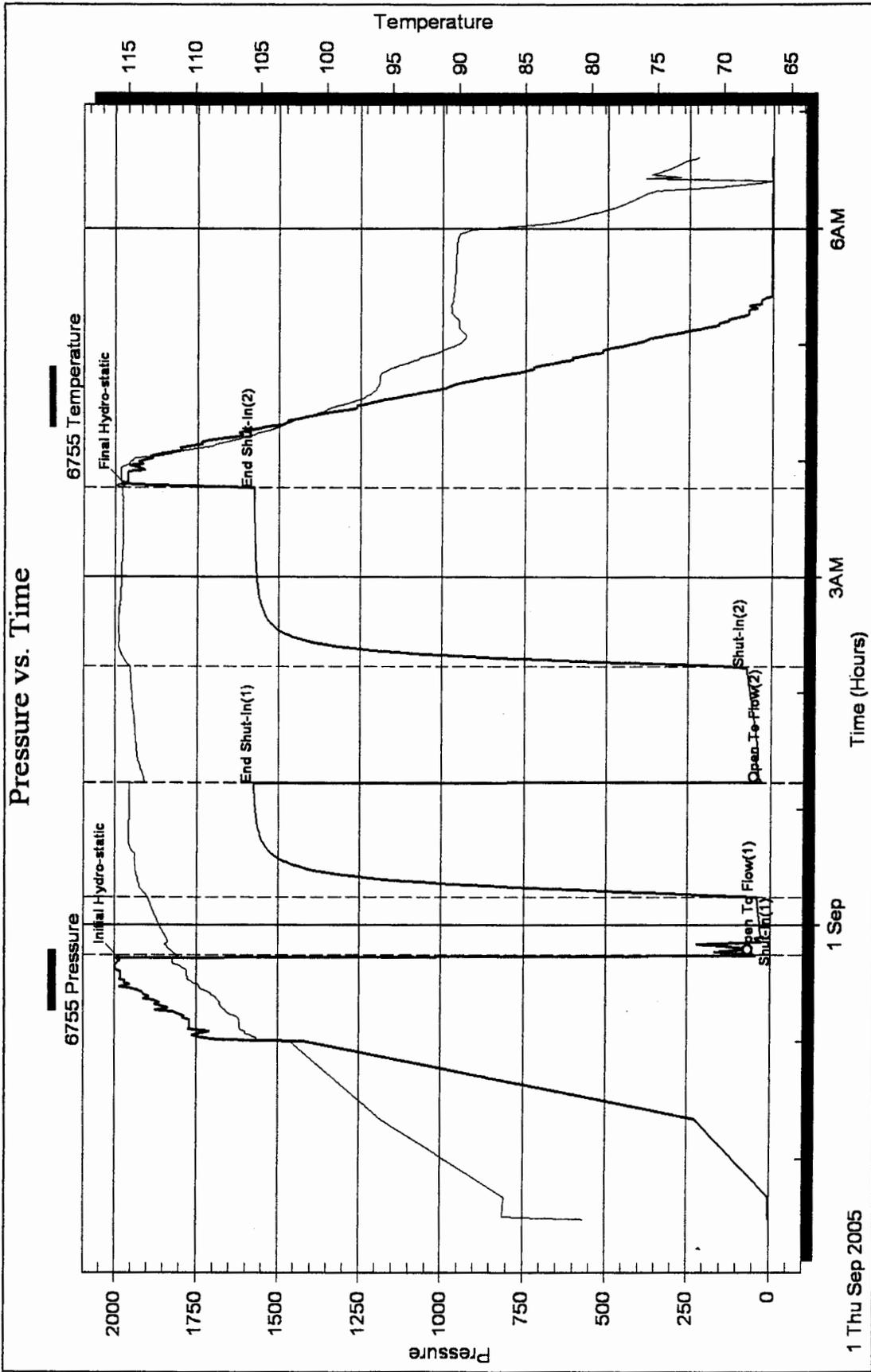
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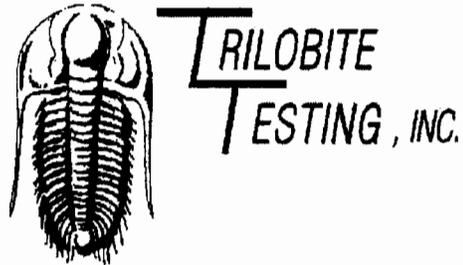
Inside

Woolsey Operating Company

8-35s-13w Barber KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Company**

125 N. Market
Suite 1000
Wichita, KS 67202

ATTN: Wes Hansen

8-35s-13w Barber KS

Sternberger `A' GU #3

Start Date: 2005.09.02 @ 23:43:30

End Date: 2005.09.03 @ 09:46:00

Job Ticket #: 21741 DST #: 2

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



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DRILL STEM TEST REPORT

Woolsey Operating Company
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ATTN: Wes Hansen

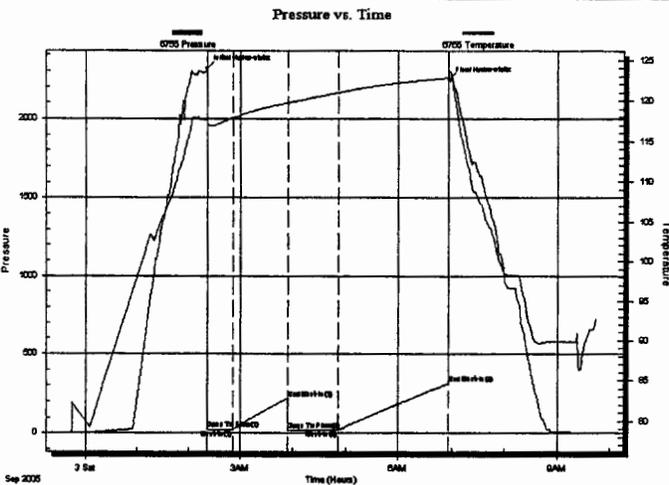
Sternberger 'A' GU #3
8-35s-13w Barber KS
Job Ticket: 21741 DST#: 2
Test Start: 2005.09.02 @ 23:43:30

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 02:22:00
Time Test Ended: 09:46:00
Interval: **4862.00 ft (KB) To 4910.00 ft (KB) (TVD)**
Total Depth: **4910.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Jake Fahrenbruch**
Unit No: **19**
Reference Elevations: **1607.00 ft (KB)**
1596.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: 6755 Inside
Press@RunDepth: **21.09 psig @ 4863.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.09.02** End Date: **2005.09.03** Last Calib.: **2005.09.03**
Start Time: **23:43:35** End Time: **09:46:00** Time On Btm: **2005.09.03 @ 02:21:15**
Time Off Btm: **2005.09.03 @ 06:56:00**

TEST COMMENT: IF: Weak blow @ 3.5".
IS: Bled off, no blow back.
FF: Weak blow @ 5".
FS: Bled off, no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2311.98	117.73	Initial Hydro-static
1	25.56	117.14	Open To Flow (1)
31	23.16	117.94	Shut-In(1)
93	218.51	119.76	End Shut-In(1)
93	21.50	119.63	Open To Flow (2)
151	21.09	121.00	Shut-In(2)
275	314.67	122.87	End Shut-In(2)
275	2242.15	123.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig Mud 100%m	0.28
0.00	375' GIP	0.00
0.00	0	0.00

Gas Rates

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



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TOOL DIAGRAM

Woolsey Operating Company

Sternberger 'A' GU #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Wes Hansen

8-35s-13w Barber KS
Job Ticket: 21741 DST#: 2
Test Start: 2005.09.02 @ 23:43:30

Tool Information

Drill Pipe:	Length: 4841.00 ft	Diameter: 3.80 inches	Volume: 67.91 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 67.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4862.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4839.00	
Hydraulic tool	5.00			4844.00	
Jars	5.00			4849.00	
Safety Joint	3.00			4852.00	
Packer	5.00			4857.00	28.00 Bottom Of Top Packer
Packer	5.00			4862.00	
Stubb	1.00			4863.00	
Recorder	0.00	6755	Inside	4863.00	
Perforations	5.00			4868.00	
Change Over Sub	1.00			4869.00	
Blank Spacing	32.00			4901.00	
Change Over Sub	1.00			4902.00	
Perforations	5.00			4907.00	
Recorder	0.00	6074	Outside	4907.00	
Bullnose	3.00			4910.00	48.00 Bottom Packers & Anchor

Total Tool Length: 76.00



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ATTN: Wes Hansen

Sternberger 'A' GU #3
8-35s-13w Barber KS
Job Ticket: 21741 **DST#: 2**
Test Start: 2005.09.02 @ 23:43:30

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: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.04 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drig Mud 100% _m	0.281
0.00	375' GIP	0.000
0.00	0	0.000

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Borrs: 0

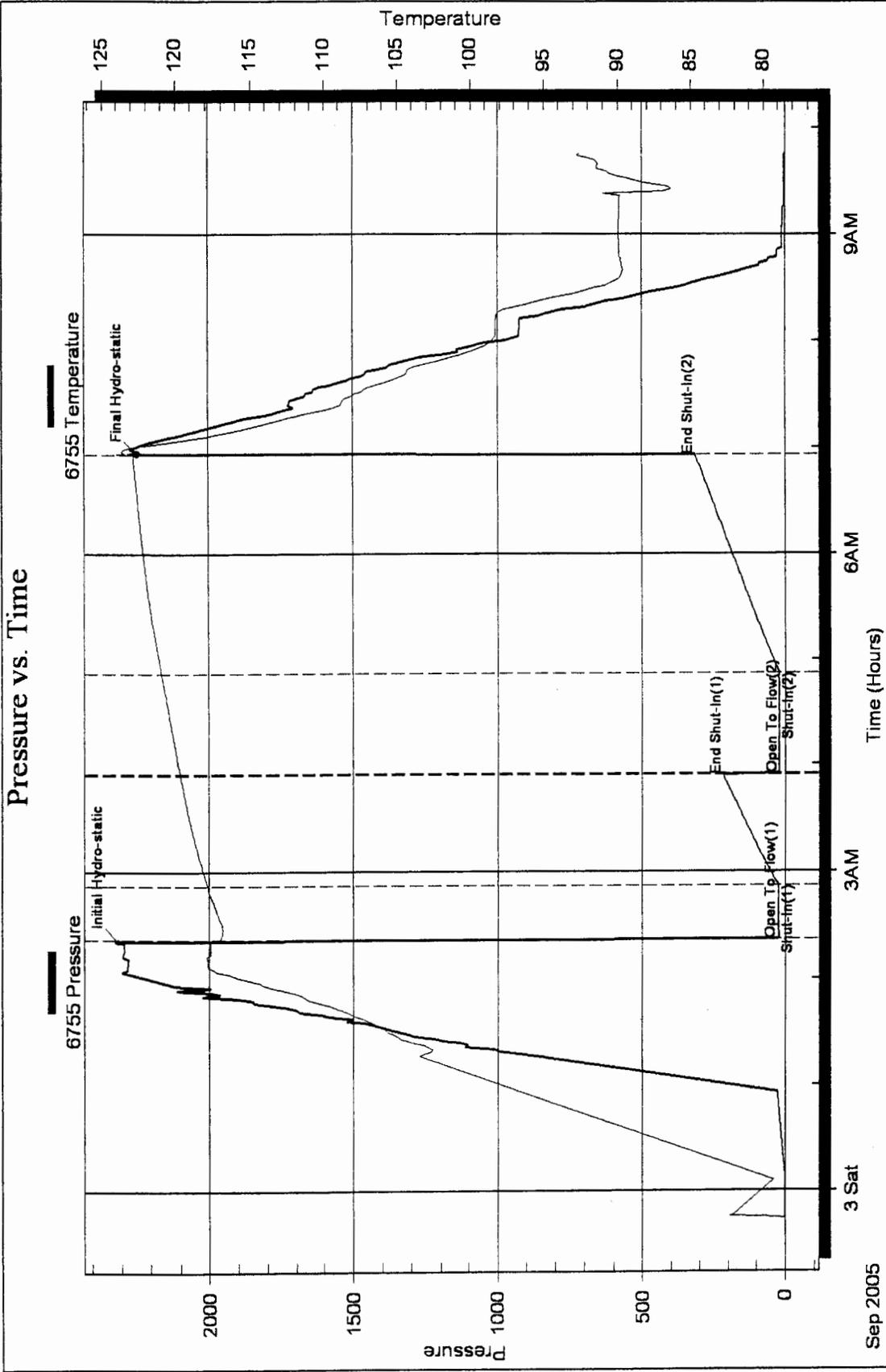
Serial #:

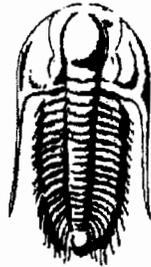
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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125 N. Market
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ATTN: Wes Hansen

8-35s-13w Barber KS

Sternberger `A` GU #3

Start Date: 2005.09.03 @ 21:29:58

End Date: 2005.09.04 @ 06:48:13

Job Ticket #: 21742 DST #: 3

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

Woolsey Operating Company

Sternberger `A` GU #3

8-35s-13w Barber KS

DST # 3

Mississippi

2005.09.03



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Company

Sternberger 'A' GU #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Wes Hansen

8-35s-13w Barber KS

Job Ticket: 21742 **DST#: 3**

Test Start: 2005.09.03 @ 21:29:58

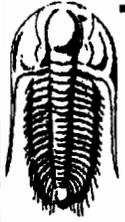
Tool Information

Drill Pipe:	Length: 4915.00 ft	Diameter: 3.80 inches	Volume: 68.94 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 68.94 bbl</u>	Tool Chased 13.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4910.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4887.00	
Hydraulic tool	5.00			4892.00	
Jars	5.00			4897.00	
Safety Joint	3.00			4900.00	
Packer	5.00			4905.00	28.00 Bottom Of Top Packer
Packer	5.00			4910.00	
Stubb	1.00			4911.00	
Recorder	0.00	6755	Inside	4911.00	
Perforations	5.00			4916.00	
Change Over Sub	1.00			4917.00	
Blank Spacing	31.00			4948.00	
Change Over Sub	1.00			4949.00	
Perforations	20.00			4969.00	
Recorder	0.00	6074	Outside	4969.00	
Bullnose	3.00			4972.00	62.00 Bottom Packers & Anchor

Total Tool Length: 90.00



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ATTN: Wes Hansen

8-35s-13w Barber KS
Job Ticket: 21742 **DST#: 3**
Test Start: 2005.09.03 @ 21:29:58

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: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.04 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Drig Mw /very slight oil show 100%m	0.421
0.00	300' GIP	0.000
0.00	0	0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

