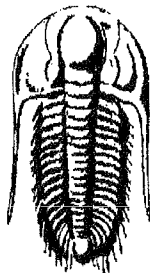


15-033-21539

33-33s-16w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co**

125 N. Market
Suite 1000
Wichita, KS 67202

ATTN: Vern Schrag

33 33 16 Comanche KS

MERRILL RANCH "C" #3

Start Date: 2008.10.03 @ 22:30:00

End Date: 2008.10.04 @ 10:39:40

Job Ticket #: 33241 DST #: 1

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

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JAN 23 2009
CONSERVATION DIVISION
WICHITA, KS

Woolsey Operating Co

MERRILL RANCH "C" #3

33 33 16 Comanche KS

DST # 1

Pawnee

2008.10.03



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

MERRILL RANCH "C" #3

33 33 16 Comanche KS

Job Ticket: 33241

DST#: 1

Test Start: 2008.10.03 @ 22:30:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:37:30

Time Test Ended: 10:39:40

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4879.00 ft (KB) To 4910.00 ft (KB) (TVD)**

Total Depth: 4910.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1782.00 ft (KB)

1769.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8352 Inside

Press@RunDepth: 316.49 psig @ 4880.00 ft (KB)

Start Date: 2008.10.03 End Date: 2008.10.04

Start Time: 22:30:02 End Time: 10:39:40

Capacity: 7000.00 psig

Last Calib.: 2008.10.04

Time On Btm: 2008.10.04 @ 01:36:50

Time Off Btm: 2008.10.04 @ 07:17:49

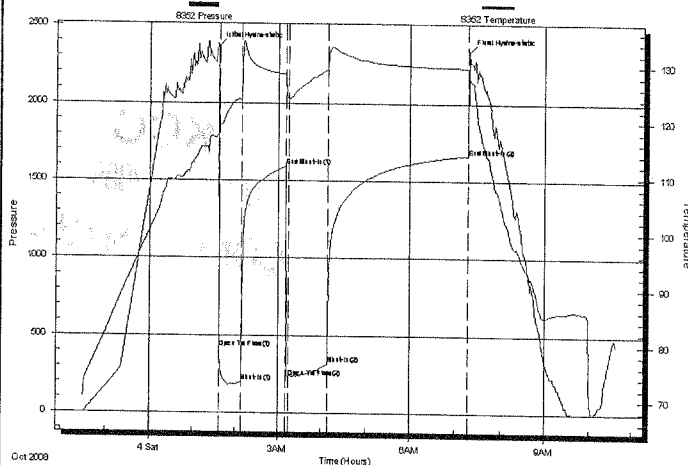
TEST COMMENT: IF: Very strong blow, BOB immediately. GTS 2.5 minutes.

IS: Bled off, blow back built to 4" in bucket.

FF: Very strong blow, BOB immediately.

FSI: Bled off 15 minutes, BOB blow back 2 minutes later.

Pressure vs. Time



PRESSURE SUMMARY

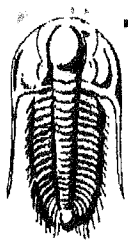
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2365.25	117.68	Initial Hydro-static
1	418.99	118.22	Open To Flow (1)
33	201.42	124.20	Shut-In (1)
95	1594.31	128.57	End Shut-In (1)
98	230.72	124.22	Open To Flow (2)
152	316.49	129.32	Shut-In (2)
340	1665.60	129.76	End Shut-In (2)
341	2333.62	127.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
68.00	SWCM 5%w 95%om	0.95
63.00	WCM 10%w 90%om	0.88
126.00	MW 35%om 65%w	1.77
378.00	Water 100%w	5.30
0.00	RVV=1.11ohm@70degf=72,000ppmCHL	0.00
0.00	Gas in all fluid free pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	16.00	873.96
Last Gas Rate	0.75	3.00	271.79
Max. Gas Rate	1.00	16.00	873.96



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co

MERRILL RANCH "C" #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

33 33 16 Comanche KS

Job Ticket: 33241 **DST#: 1**
Test Start: 2008.10.03 @ 22:30:00

Tool Information

Drill Pipe:	Length: 4883.00 ft	Diameter: 3.80 inches	Volume: 68.50 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 105000.0 lb
		Total Volume: 68.50 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4879.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			4856.00	
Hydraulic tool	5.00			4861.00	
Jars	5.00			4866.00	
Safety Joint	3.00			4869.00	
Packer	5.00			4874.00	28.00 Bottom Of Top Packer
Packer	5.00			4879.00	
Stubb	1.00			4880.00	
Recorder	0.00	8352	Inside	4880.00	
Recorder	0.00	6799	Inside	4880.00	
Perforations	27.00			4907.00	
Bullnose	3.00			4910.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00

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WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

MERRILL RANCH "C" #3

125 N. Market

33 33 16 Comanche KS

Suite 1000

Job Ticket: 33241

DST#: 1

Wichita, KS 67202

ATTN: Vern Schrag

Test Start: 2008.10.03 @ 22:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
68.00	SWCM 5%w 95%m	0.954
63.00	WCM 10%w 90%m	0.884
126.00	MW 35%m 65%w	1.767
378.00	Water 100%w	5.302
0.00	RW=11ohm@70degf=72,000ppmCHL	0.000
0.00	Gas in all fluid free pipe	0.000

Total Length: 635.00 ft

Total Volume: 8.907 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co

MERRILL RANCH "C" #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

33 33 16 Comanche KS

Job Ticket: 33241

DST#: 1

Test Start: 2008.10.03 @ 22:30:00

Gas Rates Information

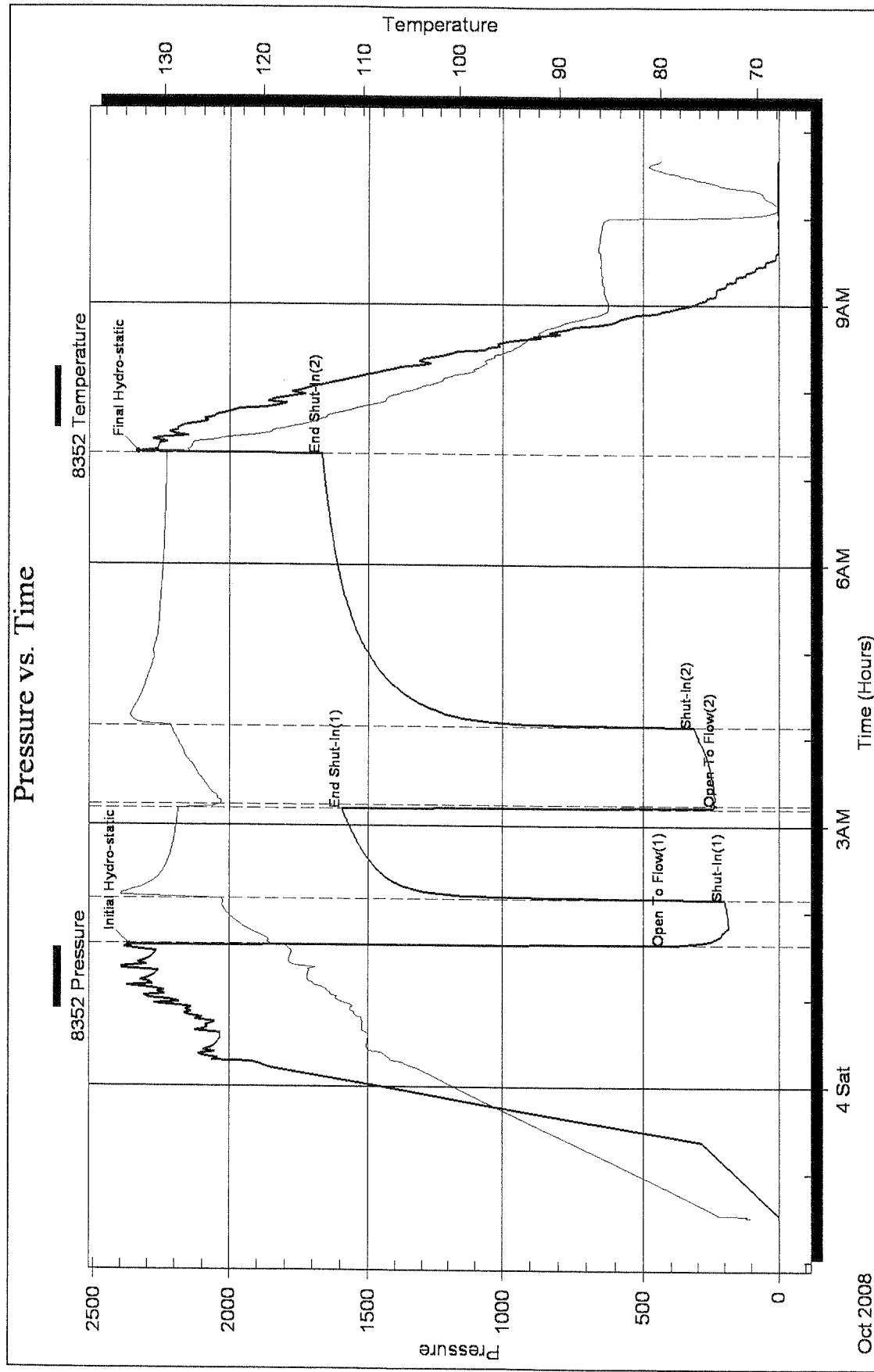
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

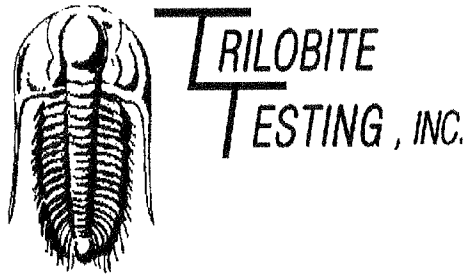
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	6	1.00	16.00	873.96
1	10	1.00	14.00	816.47
1	15	1.00	10.00	701.47
1	20	1.00	8.00	643.97
1	25	1.00	6.00	586.48
1	30	1.00	5.00	557.73
2	10	0.75	16.00	474.84
2	20	0.75	9.00	365.50
2	30	0.75	6.00	318.65
2	40	0.75	5.00	303.03
2	50	0.75	4.00	287.41
2	60	0.75	3.00	271.79

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WICHITA, KS

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co**

125 N. Market
Suite 1000
Wichita, KS 67202

ATTN: Vern Schrag

33 33 16 Comanche KS

MERRILL RANCH "C" #3

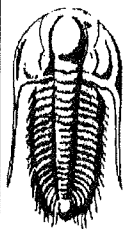
Start Date: 2008.10.05 @ 00:45:00

End Date: 2008.10.05 @ 12:27:49

Job Ticket #: 33242 DST #: 2

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

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TRILOBITE
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DRILL STEM TEST REPORT

Woolsey Operating Co

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

MERRILL RANCH "C" #3

33 33 16 Comanche KS

Job Ticket: 33242

DST#: 2

Test Start: 2008.10.05 @ 00:45:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:01:00

Time Test Ended: 12:27:49

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4963.00 ft (KB) To 5022.00 ft (KB) (TVD)**

Total Depth: 5022.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1782.00 ft (KB)

1769.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8352

Inside

Press@RunDepth: 21.73 psig @ 4964.00 ft (KB)

Start Date: 2008.10.05

End Date:

2008.10.05

Start Time: 00:45:02

End Time:

12:27:49

Capacity: 7000.00 psig

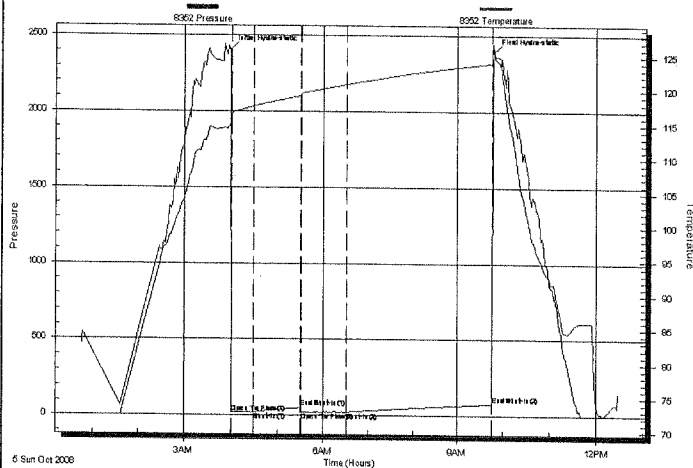
Last Calib.: 2008.10.05

Time On Btm: 2008.10.05 @ 04:00:00

Time Off Btm: 2008.10.05 @ 09:48:19

TEST COMMENT: IF: Weak blow, built to 4.5" in bucket.
IS: Bled off, no blow back.
FF: Very weak blow, built to 2" in bucket.
FS: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

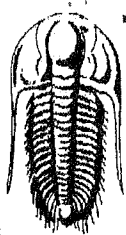
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2403.68	114.90	Initial Hydro-static
1	18.12	116.18	Open To Flow (1)
30	20.80	117.69	Shut-In (1)
91	51.20	119.22	End Shut-In (1)
92	20.00	119.36	Open To Flow (2)
151	21.73	120.89	Shut-In (2)
347	79.03	124.03	End Shut-In (2)
349	2393.98	125.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Drilling Mud 100% mud	0.35

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co

MERRILL RANCH "C" #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

33 33 16 Comanche KS

Job Ticket: 33242

DST#: 2

Test Start: 2008.10.05 @ 00:45:00

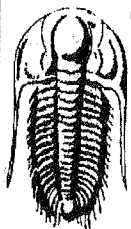
Tool Information

Drill Pipe:	Length: 4945.00 ft	Diameter: 3.80 inches	Volume: 69.37 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 120000.0 lb
		Total Volume:	69.37 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4963.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	87.00 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			4940.00	
Hydraulic tool	5.00			4945.00	
Jars	5.00			4950.00	
Safety Joint	3.00			4953.00	
Packer	5.00			4958.00	28.00 Bottom Of Top Packer
Packer	5.00			4963.00	
Stubb	1.00			4964.00	
Recorder	0.00	8352	Inside	4964.00	
Recorder	0.00	6799	Inside	4964.00	
Perforations	21.00			4985.00	
Blank Spacing	34.00			5019.00	
Bullnose	3.00			5022.00	59.00 Bottom Packers & Anchor

Total Tool Length: 87.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

MERRILL RANCH "C" #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

33 33 16 Comanche KS

Job Ticket: 33242

DST#: 2

Test Start: 2008.10.05 @ 00:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: lb/gal

Viscosity: sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Drilling Mud 100% mud	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

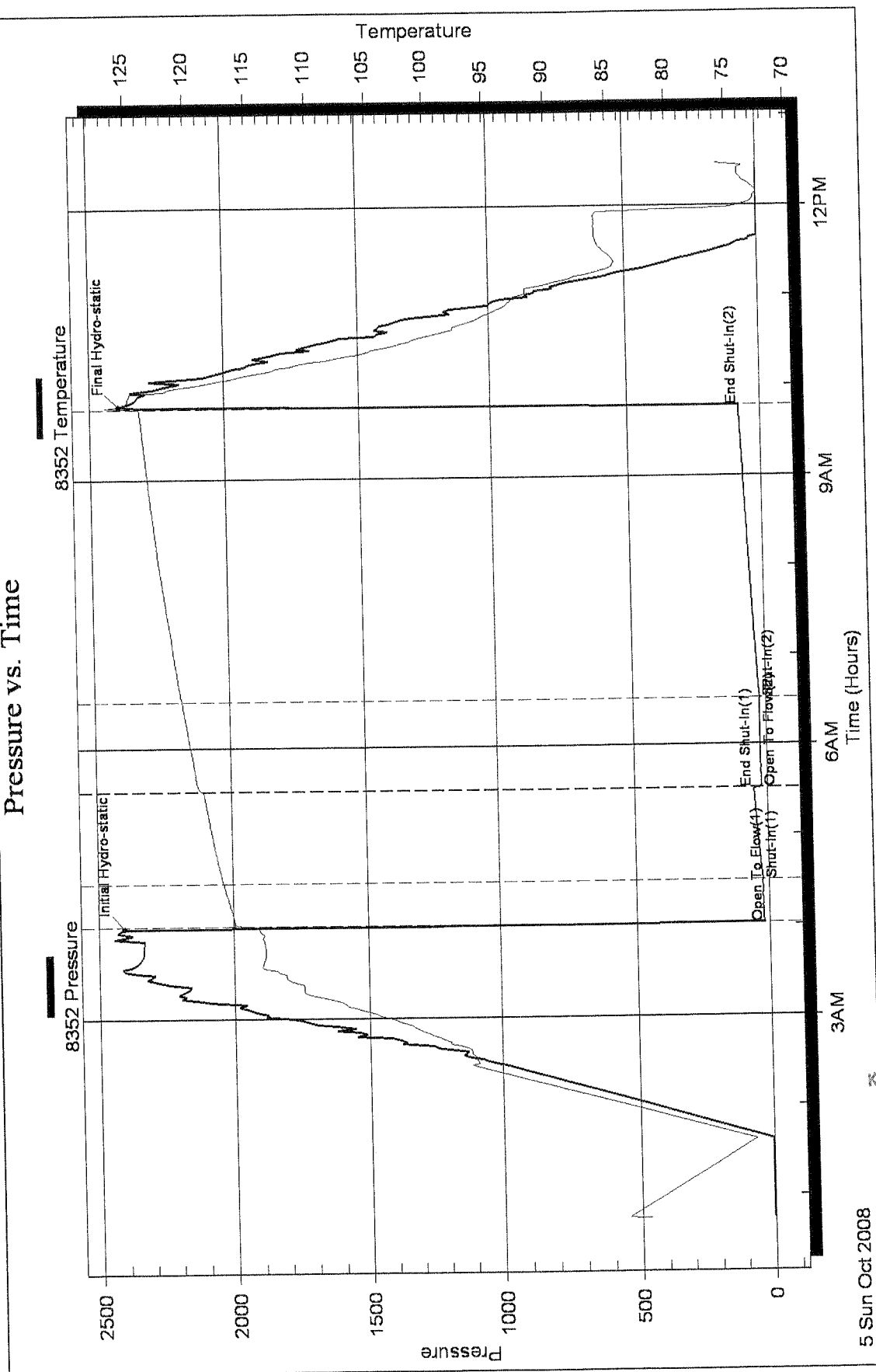
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



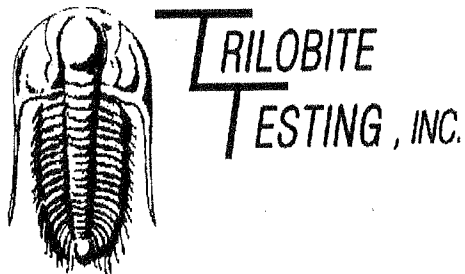
Ref. No: 33242

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WICHITA, KS

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co**

125 N. Market
Suite 1000
Wichita, KS 67202

ATTN: Vern Schrag

33 33 16 Comanche KS

MERRILL RANCH "C" #3

Start Date: 2008.10.06 @ 01:05:00

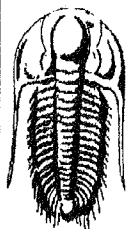
End Date: 2008.10.06 @ 13:11:30

Job Ticket #: 33243 DST #: 3

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

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WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

MERRILL RANCH "C" #3

33 33 16 Comanche KS

Job Ticket: 33243

DST#: 3

Test Start: 2008.10.06 @ 01:05:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:48:30

Time Test Ended: 13:11:30

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **5028.00 ft (KB) To 5080.00 ft (KB) (TVD)**

Total Depth: 5080.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1782.00 ft (KB)

1769.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8352 Inside

Press@RunDepth: 49.22 psig @ 5029.00 ft (KB)

Start Date: 2008.10.06

End Date:

2008.10.06

Start Time: 01:05:02

End Time:

13:11:30

Capacity: 7000.00 psig

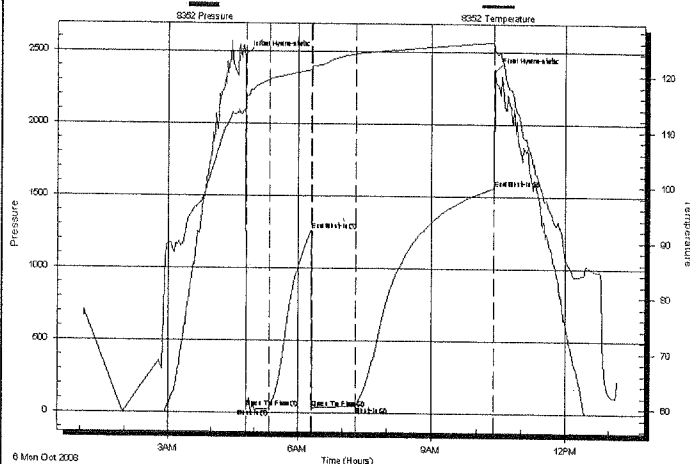
Last Calib.: 2008.10.06

Time On Btm: 2008.10.06 @ 04:47:30

Time Off Btm: 2008.10.06 @ 10:24:49

TEST COMMENT: IF: Strong blow, BOB 10.5 minutes.
ISl: Bled off, no blow back.
FF: Fair blow, BOB 21 minutes.
FSl: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

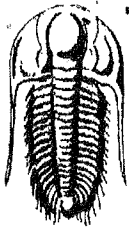
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2473.92	113.95	Initial Hydro-static
1	34.78	115.60	Open To Flow (1)
33	32.00	119.24	Shut-In(1)
91	1260.96	121.01	End Shut-In(1)
92	34.13	121.15	Open To Flow (2)
151	49.22	123.98	Shut-In(2)
336	1562.61	126.14	End Shut-In(2)
338	2370.82	125.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOSM 1%o 99%o m	0.28
65.00	GC SW&OCM 12%g 2%w 5%o 81%o m	0.91
0.00	640' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

MERRILL RANCH "C" #3

33 33 16 Comanche KS

Job Ticket: 33243

DST#: 3

Test Start: 2008.10.06 @ 01:05:00

Tool Information

Drill Pipe:	Length: 5010.00 ft	Diameter: 3.80 inches	Volume: 70.28 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 70.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 81000.00 lb
Depth to Top Packer:	5028.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	80.00 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			5005.00	
Hydraulic tool	5.00			5010.00	
Jars	5.00			5015.00	
Safety Joint	3.00			5018.00	
Packer	5.00			5023.00	28.00 Bottom Of Top Packer
Packer	5.00			5028.00	
Stubb	1.00			5029.00	
Recorder	0.00	8352	Inside	5029.00	
Recorder	0.00	6799	Inside	5029.00	
Perforations	15.00			5044.00	
Blank Spacing	33.00			5077.00	
Bullnose	3.00			5080.00	52.00 Bottom Packers & Anchor

Total Tool Length: 80.00

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WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

MERRILL RANCH "C" #3

125 N. Market

33 33 16 Comanche KS

Suite 1000

Job Ticket: 33243

DST#: 3

Wichita, KS 67202

Test Start: 2008.10.06 @ 01:05:00

ATTN: Vern Schrag

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SOSM 1%o 99%m	0.281
65.00	GC SW&OCM 12%g 2%w 5%o 81%m	0.912
0.00	640' GIP	0.000

Total Length:

85.00 ft

Total Volume:

1.193 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

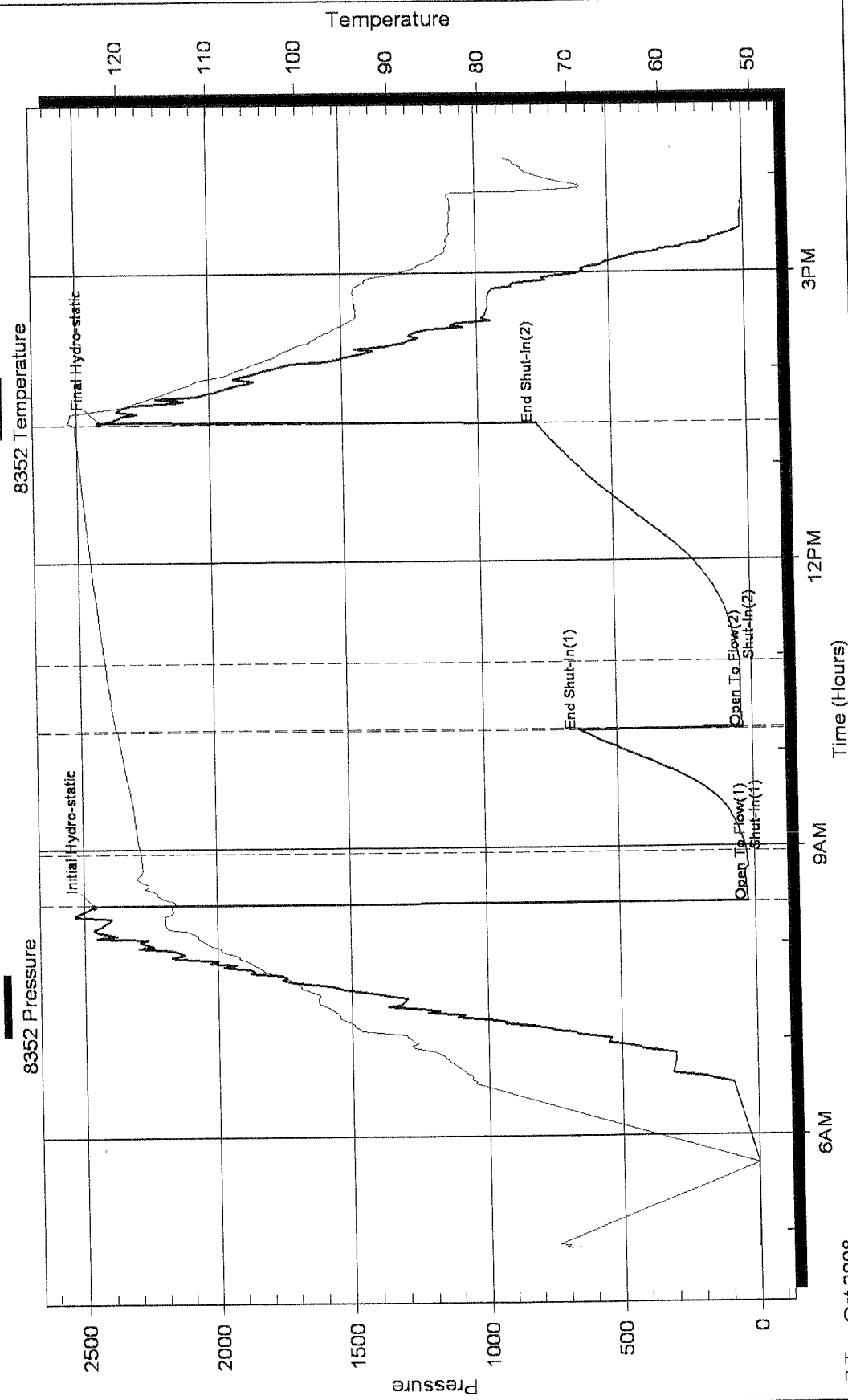
Serial #:

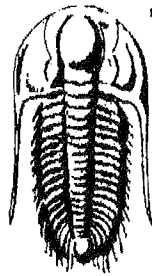
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co**

125 N. Market
Suite 1000
Wichita, KS 67202

ATTN: Vern Schrag

33 33 16 Comanche KS

MERRILL RANCH "C" #3

Start Date: 2008.10.07 @ 04:50:00

End Date: 2008.10.07 @ 16:12:19

Job Ticket #: 33244 DST #: 4

Trilobite Testing, Inc

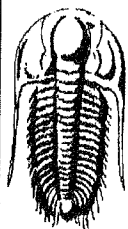
PO Box 1733 Hays, KS 67601

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

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JAN 23 2009

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

MERRILL RANCH "C" #3

33 33 16 Comanche KS

Job Ticket: 33244

DST#: 4

Test Start: 2008.10.07 @ 04:50:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:25:30

Time Test Ended: 16:12:19

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **5088.00 ft (KB) To 5182.00 ft (KB) (TVD)**

Total Depth: 5182.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1782.00 ft (KB)

1769.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8352 Inside

Press@RunDepth: 39.88 psig @ 5089.00 ft (KB)

Start Date: 2008.10.07

End Date:

2008.10.07

Start Time: 04:50:02

End Time:

16:12:19

Capacity: 7000.00 psig

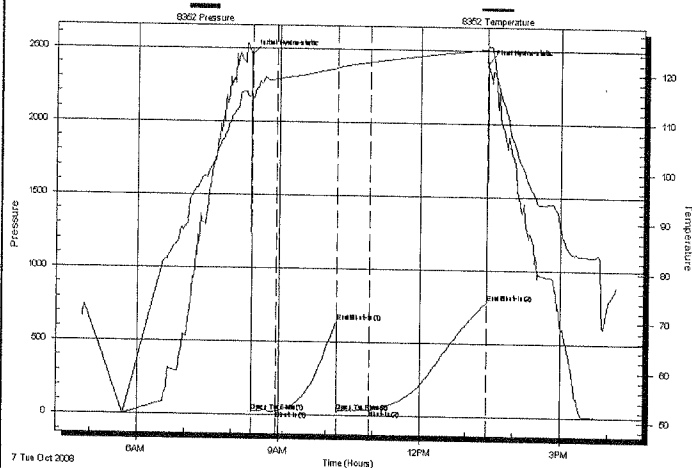
Last Calib.: 2008.10.07

Time On Btm: 2008.10.07 @ 08:24:40

Time Off Btm: 2008.10.07 @ 13:27:00

TEST COMMENT: IF: Weak blow, built to 2" in bucket.
IS: Bled off, no blow back.
FF: Weak surface blow, died in 30 minutes.
FSI: No blow back.

Pressure vs. Time



PRESSURE SUMMARY

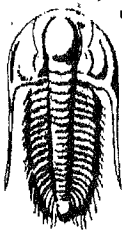
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2461.37	115.34	Initial Hydro-static
1	24.00	114.76	Open To Flow (1)
33	27.50	118.62	Shut-In(1)
109	642.33	120.93	End Shut-In(1)
110	31.14	120.97	Open To Flow (2)
152	39.88	122.18	Shut-In(2)
302	783.42	125.05	End Shut-In(2)
303	2416.00	125.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud 100% m	0.28

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

MERRILL RANCH "C" #3

33 33 16 Comanche KS

Job Ticket: 33244

DST#: 4

Test Start: 2008.10.07 @ 04:50:00

Tool Information

Drill Pipe:	Length: 5070.00 ft	Diameter: 3.80 inches	Volume: 71.12 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 100000.0 lb
		Total Volume:	71.12 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5088.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	94.00 ft			
Tool Length:	122.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

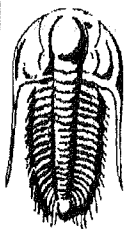
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5065.00	
Hydraulic tool	5.00			5070.00	
Jars	5.00			5075.00	
Safety Joint	3.00			5078.00	
Packer	5.00			5083.00	28.00 Bottom Of Top Packer
Packer	5.00			5088.00	
Stubb	1.00			5089.00	
Recorder	0.00	8352	Inside	5089.00	
Recorder	0.00	6799	Inside	5089.00	
Perforations	25.00			5114.00	
Blank Spacing	65.00			5179.00	
Bullnose	3.00			5182.00	94.00 Bottom Packers & Anchor

Total Tool Length: 122.00

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CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

MERRILL RANCH "C" #3

125 N. Market

33 33 16 Comanche KS

Suite 1000

Job Ticket: 33244

DST#: 4

Wichita, KS 67202

Test Start: 2008.10.07 @ 04:50:00

ATTN: Vern Schrag

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drilling Mud 100% _m	0.281

Total Length: 20.00 ft

Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

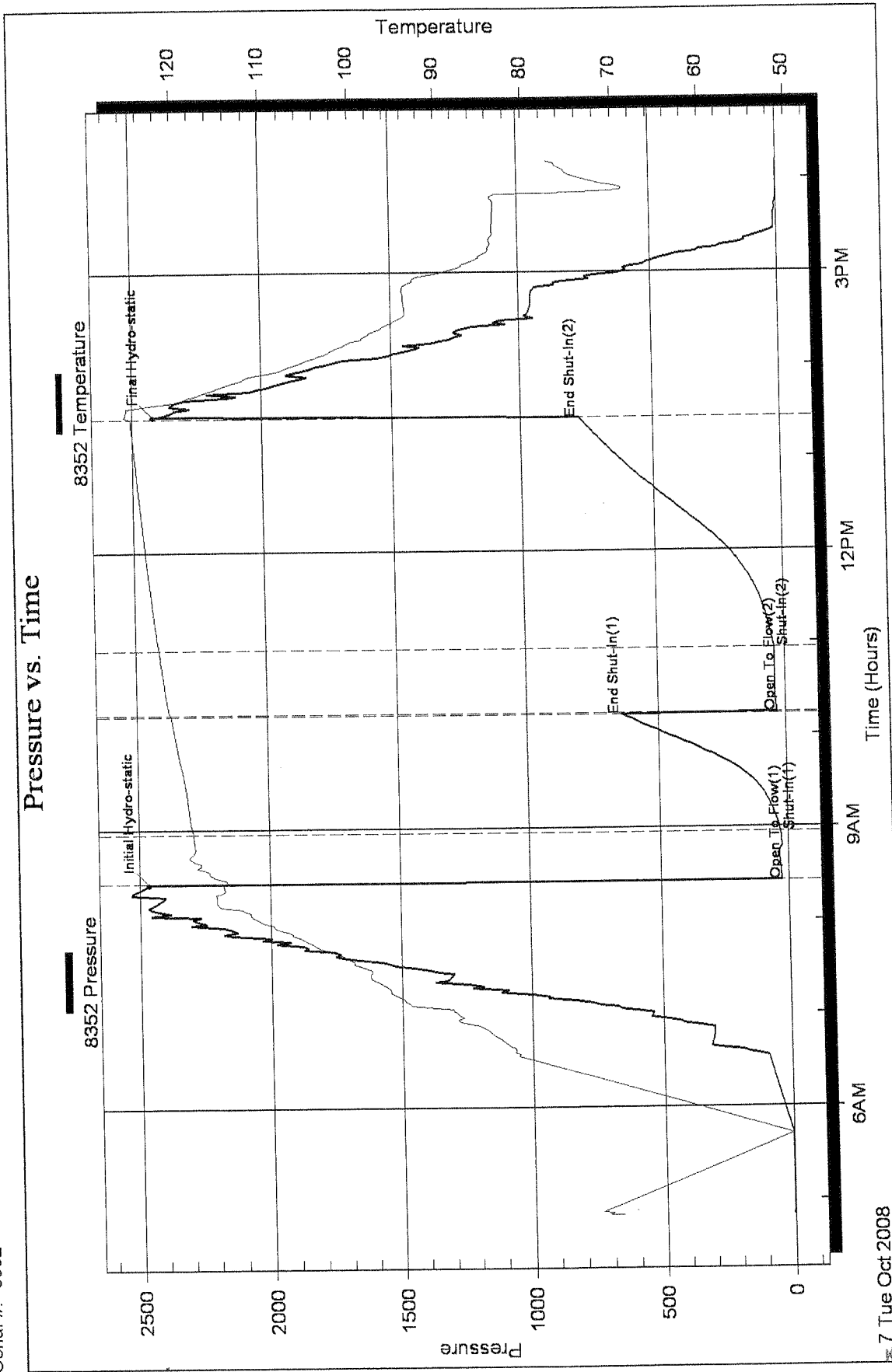
Serial #:

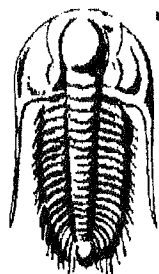
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co**

125 N. Market
Suite 1000
Wichita, KS 67202

ATTN: Vern Schrag

33 33 16 Comanche KS

MERRILL RANCH "C" #3

Start Date: 2008.10.08 @ 14:30:00

End Date: 2008.10.09 @ 01:41:49

Job Ticket #: 33245 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Printed: 2008.10.17 @ 14:40:13 Page 1

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WICHITA, KS

Woolsey Operating Co

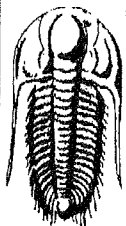
MERRILL RANCH "C" #3

33 33 16 Comanche KS

DST # 5

Mississippian

2008.10.08



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

MERRILL RANCH "C" #3

33 33 16 Comanche KS

Job Ticket: 33245

DST#: 5

Test Start: 2008.10.08 @ 14:30:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:15:30

Time Test Ended: 01:41:49

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **5260.00 ft (KB) To 5388.00 ft (KB) (TVD)**

Total Depth: 5388.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1782.00 ft (KB)

1769.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8352

Inside

Press@RunDepth: 33.62 psig @ 5261.00 ft (KB)

Start Date: 2008.10.08

End Date:

2008.10.09

Start Time: 14:30:02

End Time:

01:41:49

Capacity: 7000.00 psig

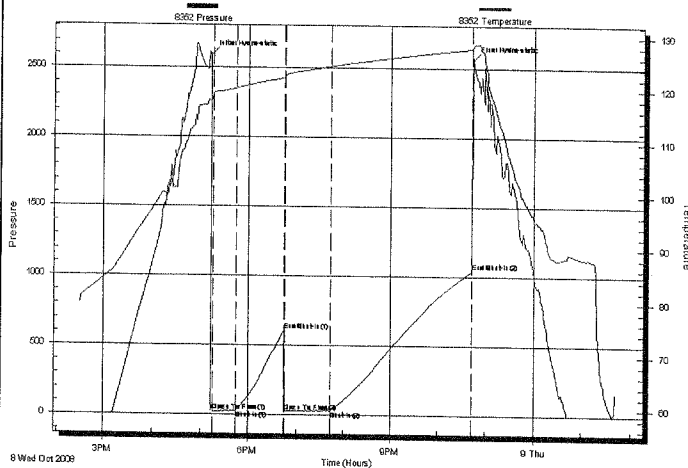
Last Calib.: 2008.10.09

Time On Btm: 2008.10.08 @ 17:13:20

Time Off Btm: 2008.10.08 @ 22:44:50

TEST COMMENT: IF: Fair blow, built to 6.5" in bucket.
IS: Bled off, no blow back.
FF: Fair blow, built to 9.5" in bucket.
FS: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

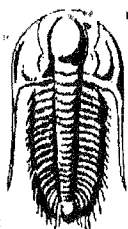
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2594.54	117.80	Initial Hydro-static
3	23.43	118.66	Open To Flow (1)
31	29.12	120.23	Shut-In (1)
91	610.04	122.19	End Shut-In (1)
92	25.57	122.36	Open To Flow (2)
150	33.62	124.40	Shut-In (2)
331	1043.93	127.77	End Shut-In (2)
332	2565.94	128.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Drilling Mud 100% m	0.63

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

MERRILL RANCH "C" #3

33 33 16 Comanche KS

Job Ticket: 33245

DST#: 5

Test Start: 2008.10.08 @ 14:30:00

Tool Information

Drill Pipe:	Length: 5263.00 ft	Diameter: 3.80 inches	Volume: 73.83 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 73.83 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5260.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	128.00 ft			
Tool Length:	156.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

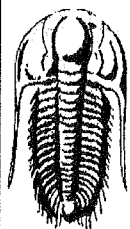
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5237.00	
Hydraulic tool	5.00			5242.00	
Jars	5.00			5247.00	
Safety Joint	3.00			5250.00	
Packer	5.00			5255.00	28.00 Bottom Of Top Packer
Packer	5.00			5260.00	
Stubb	1.00			5261.00	
Recorder	0.00	8352	Inside	5261.00	
Recorder	0.00	6799	Inside	5261.00	
Perforations	28.00			5289.00	
Blank Spacing	96.00			5385.00	
Bullnose	3.00			5388.00	128.00 Bottom Packers & Anchor

Total Tool Length: 156.00

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WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

MERRILL RANCH "C" #3

125 N. Market
Suite 1000
Wichita, KS 67202
ATTN: Vern Schrag

33 33 16 Comanche KS

Job Ticket: 33245

DST#: 5

Test Start: 2008.10.08 @ 14:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: lb/gal

Viscosity: sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft
bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Drilling Mud 100% _m	0.631

Total Length: 45.00 ft

Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

