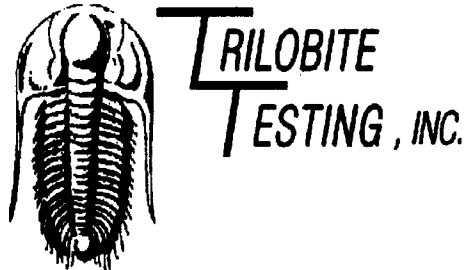


IND



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

CONFIDENTIAL
JUL 16 2008
KCC

ATTN: Bill Klaver

27 31 17 Comanche KS

Betty Yost B # 1

Start Date: 2008.04.02 @ 06:43:24

End Date: 2008.04.02 @ 16:55:54

Job Ticket #: 31180 DST #: 1

Woolsey Operating Co LLC

Betty Yost B # 1

27 31 17 Comanche KS

DST # 1

Miss.

2008.04.02

Trilobite Testing, Inc

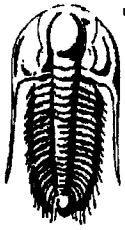
PO Box 1733 Hays, KS 67601

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

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 17 2008

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bill Klaver

Betty Yost B # 1

27 31 17 Comanche KS

Job Ticket: 31180

DST#: 1

Test Start: 2008.04.02 @ 06:43:24

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:46:24

Time Test Ended: 16:55:54

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **4838.00 ft (KB) To 4924.00 ft (KB) (TVD)**

Total Depth: 4924.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1977.00 ft (KB)

1969.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 40.43 psig @ 4843.00 ft (KB)

Start Date: 2008.04.02

End Date: 2008.04.02

Start Time: 06:43:25

End Time: 16:55:54

Capacity: 7000.00 psig

Last Calib.: 2008.04.02

Time On Btm: 2008.04.02 @ 09:44:54

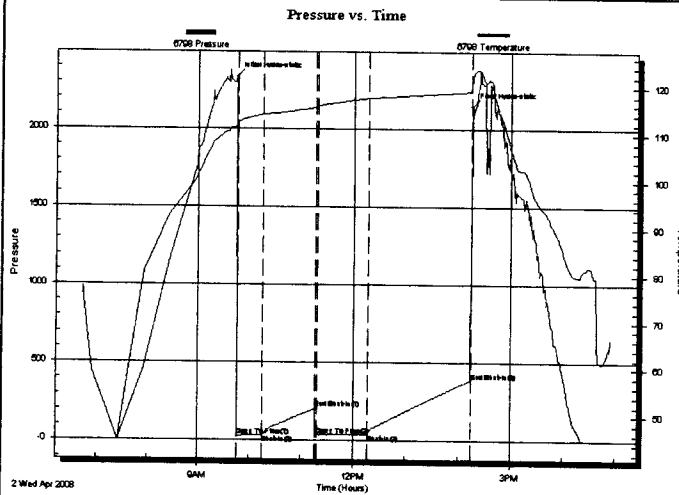
Time Off Btm: 2008.04.02 @ 14:14:54

TEST COMMENT: IF Weak blow Built to 4 1/2 "

ISI No blow

FF Weak blow BOB in 48 mins.

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.37	111.75	Initial Hydro-static
2	24.42	112.32	Open To Flow (1)
31	31.36	114.18	Shut-in (1)
91	202.90	115.63	End Shut-in (1)
93	32.85	115.61	Open To Flow (2)
151	40.43	117.66	Shut-in (2)
269	385.62	119.13	End Shut-in (2)
270	2143.16	121.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSGCM 2%G 98%M	0.30
0.00	60' GIP	0.00
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Betty Yost B # 1

125 N Market Ste 1000
Wichita KS 67202

27 31 17 Comanche KS

Job Ticket: 31180

DST#: 1

ATTN: Bill Klaver

Test Start: 2008.04.02 @ 06:43:24

Tool Information

Drill Pipe:	Length: 4720.00 ft	Diameter: 3.80 inches	Volume: 66.21 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 120000.0 lb
		Total Volume:	66.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4838.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	114.00 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			4815.00	
Hydraulic tool	5.00			4820.00	
Jars	5.00			4825.00	
Safety Joint	3.00			4828.00	
Packer	5.00			4833.00	28.00 Bottom Of Top Packer
Packer	5.00			4838.00	
Stubb	1.00			4839.00	
Perforations	3.00			4842.00	
Change Over Sub	1.00			4843.00	
Recorder	0.00	6798	Inside	4843.00	
Recorder	0.00	8358	Inside	4843.00	
Blank Spacing	62.00			4905.00	
Change Over Sub	1.00			4906.00	
Perforations	15.00			4921.00	
Bullnose	3.00			4924.00	86.00 Bottom Packers & Anchor

Total Tool Length: 114.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Betty Yost B # 1

125 N Market Ste 1000
Wichita KS 67202

27 31 17 Comanche KS

Job Ticket: 31180

DST#: 1

ATTN: Bill Klaver

Test Start: 2008.04.02 @ 06:43:24

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 11.17 in³

Resistivity: 0.00 ohm.m

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSGCM 2%G 98%M	0.295
0.00	60' GIP	0.000
0.00		0.000

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

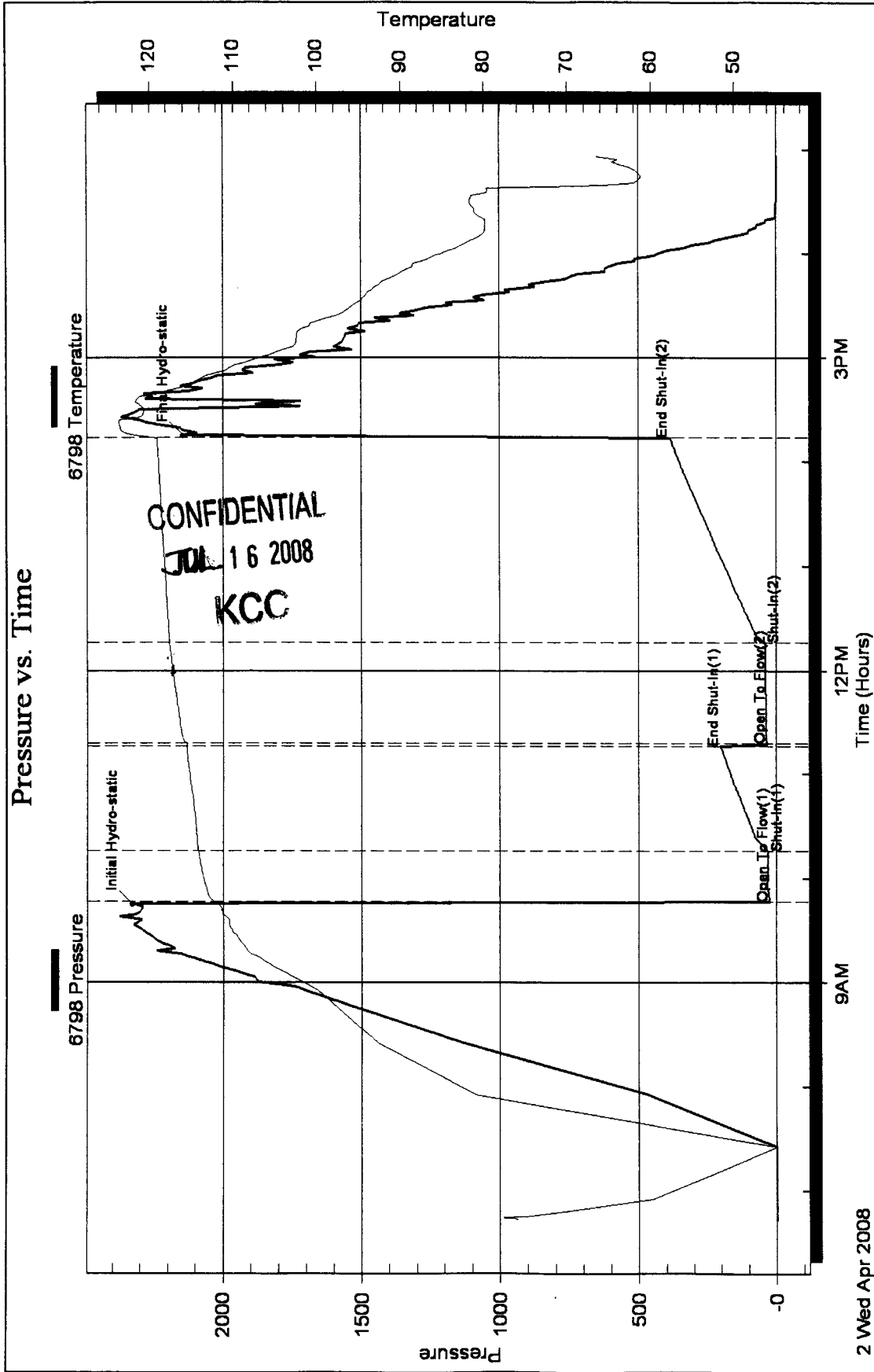
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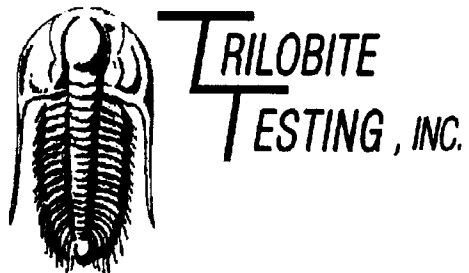
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

CONFIDENTIAL
JUL 16 2008
KCC

ATTN: Bill Klaver

27 31 17 Comanche KS

Betty Yost B # 1

Start Date: 2008.04.03 @ 04:18:35

End Date: 2008.04.03 @ 14:14:05

Job Ticket #: 31181 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bill Klaver

Betty Yost B # 1

27 31 17 Comanche KS

Job Ticket: 31181

DST#: 2

Test Start: 2008.04.03 @ 04:18:35

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:41:35

Time Test Ended: 14:14:05

Interval: **4924.00 ft (KB) To 4942.00 ft (KB) (TVD)**

Total Depth: 4942.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Reference Elevations: 1977.00 ft (KB)

1969.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 71.87 psig @ 4925.00 ft (KB)

Start Date: 2008.04.03

End Date: 2008.04.03

Start Time: 04:18:36

End Time: 14:14:05

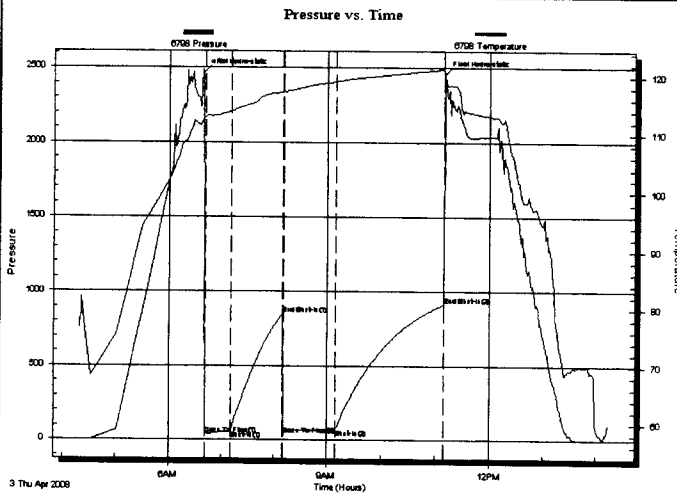
Capacity: 7000.00 psig

Last Calib.: 2008.04.03

Time On Btm: 2008.04.03 @ 06:39:35

Time Off Btm: 2008.04.03 @ 11:11:05

TEST COMMENT: IF Fair blow BOB in 11 mins.
ISI No blow
FF Fair blow BOB in 16 mins.
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2465.45	112.82	Initial Hydro-static
2	35.84	113.16	Open To Flow (1)
31	58.27	114.05	Shut-In (1)
91	848.93	117.37	End Shut-In (1)
92	36.45	117.64	Open To Flow (2)
151	71.87	119.22	Shut-In (2)
271	915.65	121.39	End Shut-In (2)
272	2457.71	119.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SGCM w/Oil scum	0.15
100.00	SGCM 4%G 96%M	0.56
0.00	30' GIP	0.00
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Betty Yost B # 1

125 N Market Ste 1000
Wichita KS 67202

27 31 17 Comanche KS

ATTN: Bill Klaver

Job Ticket: 31181

DST#: 2

Test Start: 2008.04.03 @ 04:18:35

Tool Information

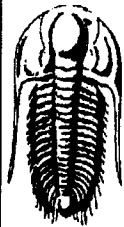
Drill Pipe:	Length: 4782.00 ft	Diameter: 3.80 inches	Volume: 67.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume:	67.68 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4924.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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JUL 16 2008

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4901.00	
Hydraulic tool	5.00			4906.00	
Jars	5.00			4911.00	
Safety Joint	3.00			4914.00	
Packer	5.00			4919.00	28.00 Bottom Of Top Packer
Packer	5.00			4924.00	
Stubb	1.00			4925.00	
Recorder	0.00	6798	Inside	4925.00	
Recorder	0.00	8358	Inside	4925.00	
Perforations	14.00			4939.00	
Bullnose	3.00			4942.00	18.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Betty Yost B # 1

125 N Market Ste 1000
Wichita KS 67202

27 31 17 Comanche KS

Job Ticket: 31181

DST#: 2

ATTN: Bill Klaver

Test Start: 2008.04.03 @ 04:18:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 11.16 in³

Resistivity: 0.00 ohm.m

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SGCM w/Oil scum	0.148
100.00	SGCM 4%G 96%M	0.565
0.00	30' GIP	0.000
0.00		0.000

Total Length: 130.00 ft

Total Volume: 0.713 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

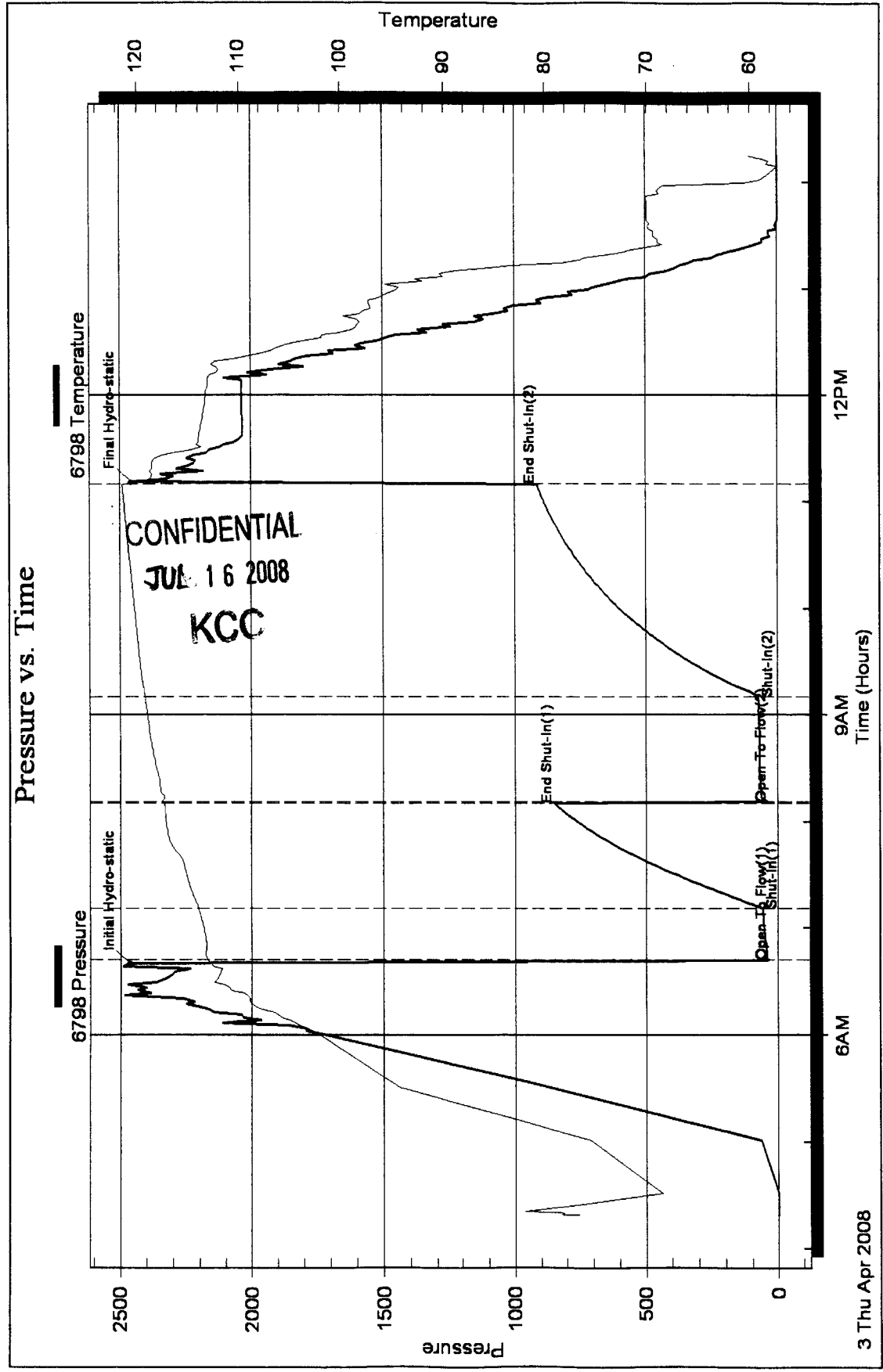
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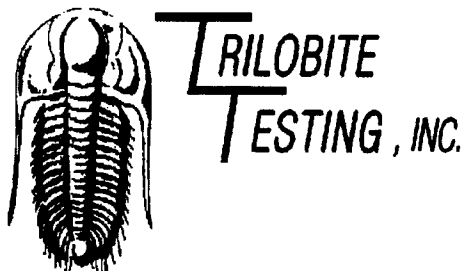
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

CONFIDENTIAL
JUL 16 2008
KCC

ATTN: Bill Klaver

27 31 17 Comanche KS

Betty Yost B # 1

Start Date: 2008.04.04 @ 00:06:31

End Date: 2008.04.04 @ 09:33:01

Job Ticket #: 31182 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Woolsey Operating Co LLC

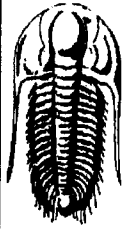
Betty Yost B # 1

27 31 17 Comanche KS

DST # 3

Miss.

2008.04.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

Betty Yost B # 1

125 N Market Ste 1000
Wichita KS 67202

27 31 17 Comanche KS

ATTN: Bill Klaver

Job Ticket: 31182

DST#: 3

Test Start: 2008.04.04 @ 00:06:31

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 02:41:31

Time Test Ended: 09:33:01

Test Type: **Conventional Bottom Hole**

Tester: **Jerry Adams**

Unit No: **45**

Interval: **4942.00 ft (KB) To 4972.00 ft (KB) (TVD)**

Total Depth: **4972.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1977.00 ft (KB)**

1969.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **80.65 psig @ 4943.00 ft (KB)**

Start Date: **2008.04.04**

End Date:

2008.04.04

Capacity: **7000.00 psig**

Last Calib.: **2008.04.04**

Start Time: **00:06:32**

End Time:

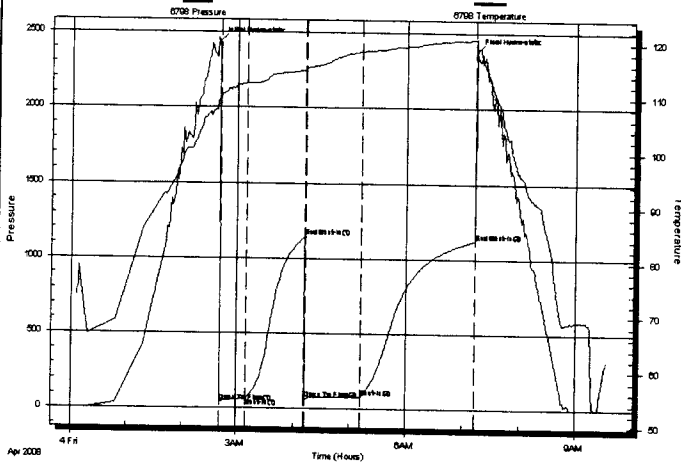
09:33:01

Time On Btm: **2008.04.04 @ 02:40:01**

Time Off Btm: **2008.04.04 @ 07:14:01**

TEST COMMENT: IF Weak blow Built to 2 "
ISI No blow
FF Weak blow Built to 5 "
FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2436.47	109.64	Initial Hydro-static
2	43.81	109.88	Open To Flow (1)
30	66.41	112.62	Shut-in(1)
92	1143.14	114.99	End Shut-in(1)
93	68.31	115.08	Open To Flow (2)
152	80.65	118.42	Shut-in(2)
273	1122.23	120.73	End Shut-in(2)
274	2378.21	119.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	SGOCM 4%G 2%O 94%M	0.52
30.00	DM 100%M	0.27
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Betty Yost B # 1

125 N Market Ste 1000
Wichita KS 67202

27 31 17 Comanche KS

ATTN: Bill Klaver

Job Ticket: 31182

DST#: 3

Test Start: 2008.04.04 @ 00:06:31

Tool Information

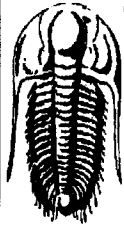
Drill Pipe:	Length: 4814.00 ft	Diameter: 3.80 inches	Volume: 67.53 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 68.13 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4942.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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JUL 16 2008

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4919.00	
Hydraulic tool	5.00			4924.00	
Jars	5.00			4929.00	
Safety Joint	3.00			4932.00	
Packer	5.00			4937.00	28.00 Bottom Of Top Packer
Packer	5.00			4942.00	
Stubb	1.00			4943.00	
Recorder	0.00	6798	Inside	4943.00	
Recorder	0.00	8358	Inside	4943.00	
Perforations	26.00			4969.00	
Bullnose	3.00			4972.00	30.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Betty Yost B # 1

125 N Market Ste 1000
Wichita KS 67202

27 31 17 Comanche KS

Job Ticket: 31182

DST#: 3

ATTN: Bill Klaver

Test Start: 2008.04.04 @ 00:06:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 24.71 in³

Resistivity: 0.00 ohm.m

Salinity: 13000.00 ppm

Filter Cake: 0.20 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
105.00	SGOCM 4%G 2%O 94%M	0.516
30.00	DM 100%M	0.266
0.00		0.000

Total Length: 135.00 ft

Total Volume: 0.782 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

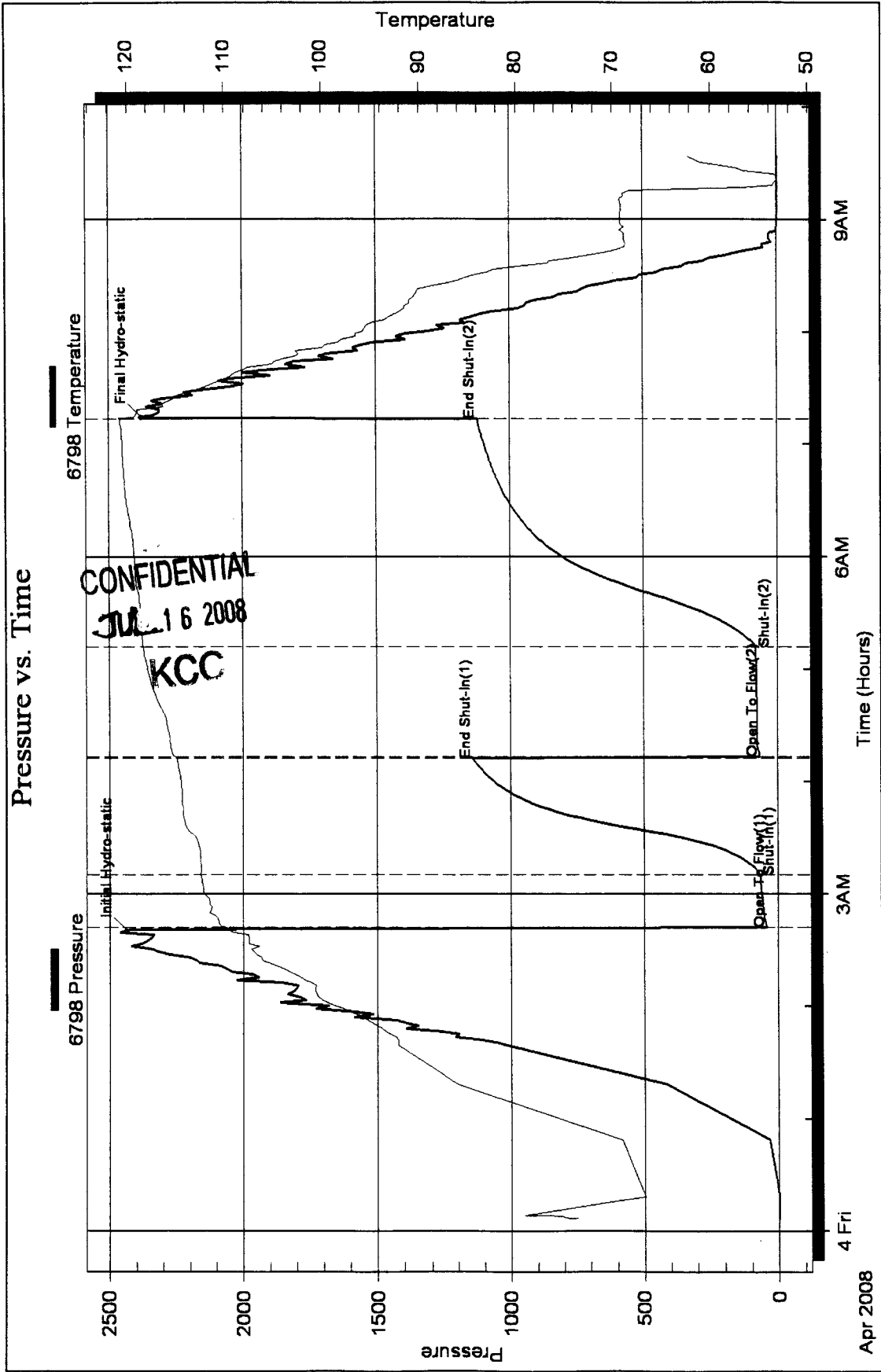
Inside

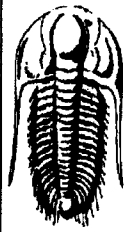
Woolsey Operating Co LLC

27 31 17 Comanche KS

DST Test Number: 3

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Betty Yost B # 1

125 N Market Ste 1000
Wichita KS 67202

27 31 17 Comanche KS

ATTN: Bill Klaver

Job Ticket: 31799

DST#: 4

Test Start: 2008.04.04 @ 22:51:08

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 19.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 14000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
200.00	Mud	1.724

Total Length: 200.00 ft

Total Volume: 1.724 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

