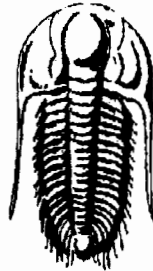


15-007-23162

7-34s-11w

IND



**TRILOBITE
TESTING, INC.**

**CONFIDENTIAL
OCT 10 2007
KCC**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste #1000
Wichita KS 67202

ATTN: Bill Klaver

7 34 11 Barber KS

Michel "D" # 1

Start Date: 2007.06.30 @ 11:24:28

End Date: 2007.06.30 @ 20:51:28

Job Ticket #: 26983 DST #: 1

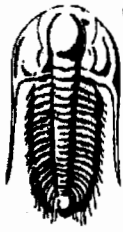
Woolsey Operating Co LLC
Michel "D" # 1
7 34 11 Barber KS
DST # 1
Mississippi
2007.06.30

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 11 2007

REGISTRATION DIVISION
OCT 11 2007

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

ATTN: Bill Klaver

Job Ticket: 26983

DST#: 1

Test Start: 2007.06.30 @ 11:24:28

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:52:58

Time Test Ended: 20:51:28

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 36

Interval: **4565.00 ft (KB) To 4643.00 ft (KB) (TVD)**

Total Depth: 4643.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1443.00 ft (KB)

1432.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 137.61 psig @ 4567.00 ft (KB)

Start Date: 2007.06.30

End Date: 2007.06.30

Start Time: 11:24:33

End Time: 20:51:28

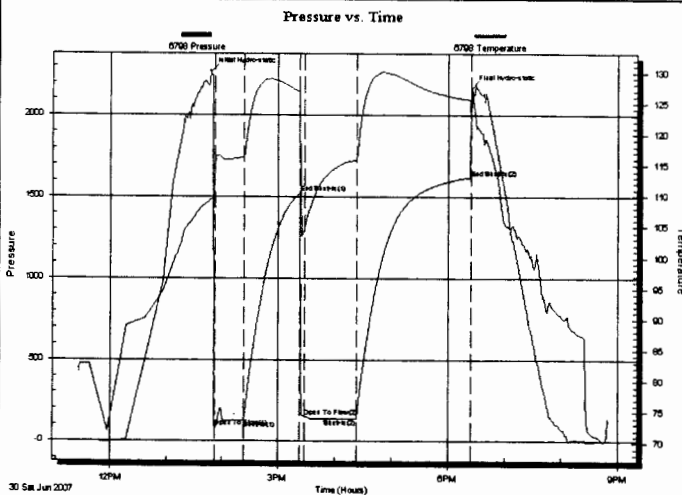
Capacity: 7000.00 psig

Last Calib.: 2007.06.30

Time On Btrm: 2007.06.30 @ 13:48:28

Time Off Btrm: 2007.06.30 @ 18:24:58

TEST COMMENT: IF Strong blow BOB in 2 mins. GTS in 12 mins. (see gas flow report)
 ISI Weak surface blow Dead in 25 mins.
 FF Strong blow BOB immediately
 FSI Weak surface blow Dead in 32 mins.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2268.32	109.44	Initial Hydro-static
5	83.44	114.69	Open To Flow (1)
36	127.37	116.27	Shut-In(1)
95	1522.88	126.89	End Shut-In(1)
99	151.17	104.64	Open To Flow (2)
154	137.61	115.84	Shut-In(2)
275	1621.02	125.58	End Shut-In(2)
277	2169.91	127.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	SGCM 4%G 96%M	2.95
0.00	4348' GIP	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	1.50	107.93
Last Gas Rate	0.50	3.00	117.38
Max. Gas Rate	0.50	17.00	211.82



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26983

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.06.30 @ 11:24:28

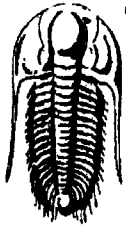
Tool Information

Drill Pipe:	Length: 4558.00 ft	Diameter: 3.80 inches	Volume: 63.94 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	63.94 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4565.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	106.00 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			4542.00	
Hydraulic tool	5.00			4547.00	
Jars	5.00			4552.00	
Safety Joint	3.00			4555.00	
Packer	5.00			4560.00	28.00 Bottom Of Top Packer
Packer	5.00			4565.00	
Stubb	1.00			4566.00	
Change Over Sub	1.00			4567.00	
Recorder	0.00	6798	Inside	4567.00	
Blank Spacing	62.00			4629.00	
Change Over Sub	1.00			4630.00	
Perforations	10.00			4640.00	
Recorder	0.00	13249	Outside	4640.00	
Bullnose	3.00			4643.00	78.00 Bottom Packers & Anchor
Total Tool Length:	106.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26983

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.06.30 @ 11:24:28

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: 9.55 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
210.00	SGCM 4%G 96%M	2.946
0.00	4348' GIP	0.000
0.00		0.000

Total Length: 210.00 ft

Total Volume: 2.946 bbl

Num Fluid Samples: 0

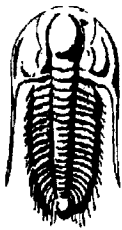
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26983

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.06.30 @ 11:24:28

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	15	0.50	1.50	107.93
1	15	0.50	1.50	107.26
1	15	0.50	1.50	107.26
1	20	0.50	2.00	110.63
1	30	0.50	2.00	110.63
2	10	0.50	17.00	211.82
2	20	0.50	9.50	161.22
2	30	0.50	5.50	134.24
2	40	0.50	4.00	124.12
2	50	0.50	3.00	117.38

DST Test Number: 1

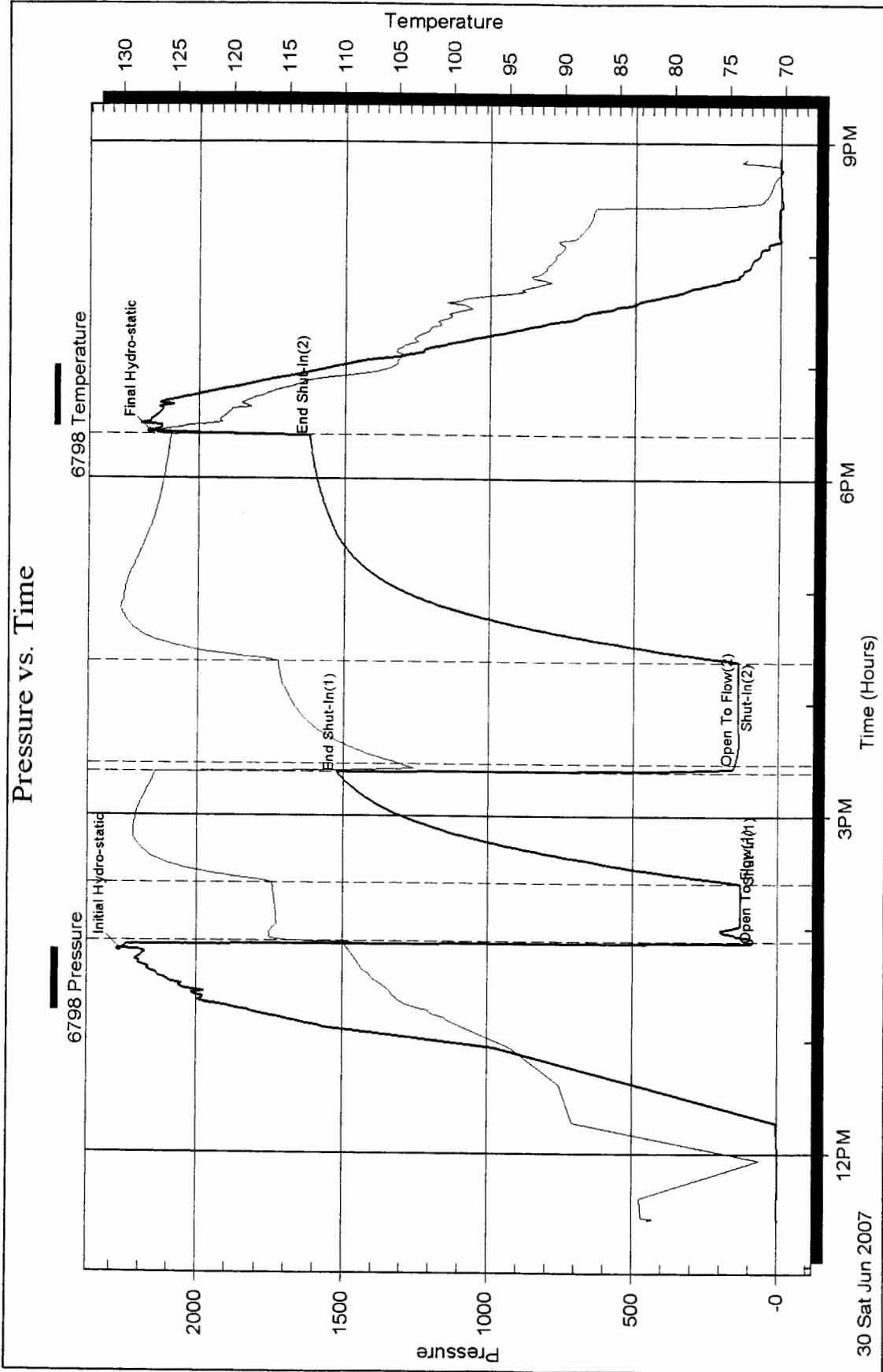
7 34 11 Barber KS

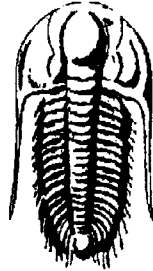
Wootsey Operating Co LLC

Inside

Serial #: 6798

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste #1000
Wichita KS 67202

ATTN: Bill Klaver

7 34 11 Barber KS

Michel "D" # 1

Start Date: 2007.07.01 @ 05:12:25

End Date: 2007.07.01 @ 14:54:25

Job Ticket #: 26984 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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KANSAS CORPORATE COMMISSION

OCT 11 2007

STATE OF KANSAS
CORPORATE COMMISSION

Woolsey Operating Co LLC

Michel "D" # 1

7 34 11 Barber KS

DST # 2

Mississippi

2007.07.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26984

DST#: 2

ATTN: Bill Klaver

Test Start: 2007.07.01 @ 05:12:25

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:59:25

Time Test Ended: 14:54:25

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 36

Interval: **4640.00 ft (KB) To 4667.00 ft (KB) (TVD)**

Reference Elevations: 1443.00 ft (KB)

Total Depth: 4667.00 ft (KB) (TVD)

1432.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 77.81 psig @ 4641.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.07.01

End Date:

2007.07.01

Last Calib.:

2007.07.01

Start Time: 05:12:30

End Time:

14:54:25

Time On Btm:

2007.07.01 @ 07:56:25

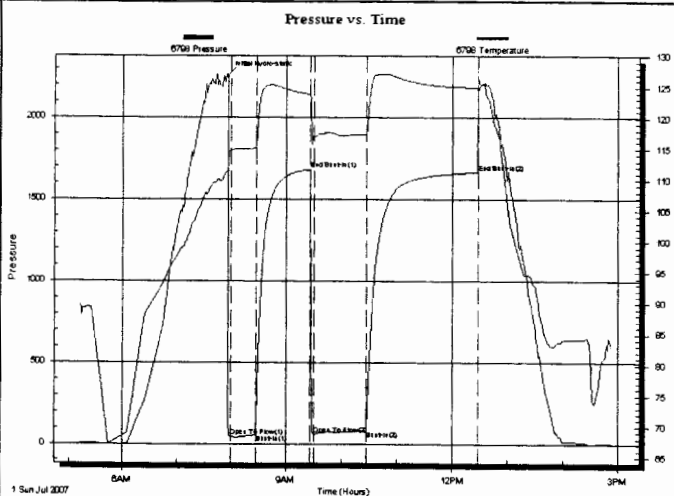
Time Off Btm:

TEST COMMENT: IF Strong blow BOB in 5 secs. GTS in 9 mins. (see gas flow report)

ISI No blow

FF Strong blow BOB immediately

FSI Very weak surface blow Dead in 30 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.41	111.46	Initial Hydro-static
3	43.11	114.69	Open To Flow (1)
31	55.64	115.11	Shut-In (1)
90	1681.62	123.84	End Shut-In (1)
94	57.19	117.00	Open To Flow (2)
151	77.81	117.33	Shut-In (2)
271	1667.47	124.96	End Shut-In (2)

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SGCM w/Oil specks 4%G 96%M	0.42
60.00	G&WCM w/Oil specks 10%G 4%W 86%O	0.84
0.00	4528' GIP	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.50	30.14
Last Gas Rate	0.25	30.00	70.44
Max. Gas Rate	0.25	30.00	70.44



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26984

DST#: 2

ATTN: Bill Klaver

Test Start: 2007.07.01 @ 05:12:25

Tool Information

Drill Pipe:	Length: 4618.00 ft	Diameter: 3.80 inches	Volume: 64.78 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
		<u>Total Volume:</u>	<u>64.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4640.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 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			4617.00	
Hydraulic tool	5.00			4622.00	
Jars	5.00			4627.00	
Safety Joint	3.00			4630.00	
Packer	5.00			4635.00	28.00 Bottom Of Top Packer
Packer	5.00			4640.00	
Stubb	1.00			4641.00	
Recorder	0.00	6798	Inside	4641.00	
Perforations	23.00			4664.00	
Recorder	0.00	13249	Outside	4664.00	
Bullnose	3.00			4667.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26984

DST#: 2

ATTN: Bill Klaver

Test Start: 2007.07.01 @ 05:12:25

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.53 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SGCM w/Oil specks 4%G 96%M	0.421
60.00	G&WCM w/Oil specks 10%G 4%W 86%M	0.842
0.00	4528' GIP	0.000
0.00		0.000

Total Length: 90.00 ft Total Volume: 1.263 bbl

Num Fluid Samples: 0

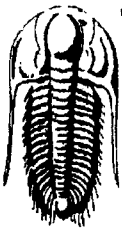
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 26984

DST#: 2

ATTN: Bill Klaver

Test Start: 2007.07.01 @ 05:12:25

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	10	0.25	4.50	30.14
1	10	0.25	4.50	29.98
1	20	0.25	14.00	45.05
1	30	0.25	19.00	52.99
2	10	0.25	25.00	62.50
2	20	0.25	28.00	67.26
2	30	0.25	29.00	68.85
2	40	0.25	30.00	70.44
2	50	0.25	30.00	70.44
2	60	0.25	30.00	70.44

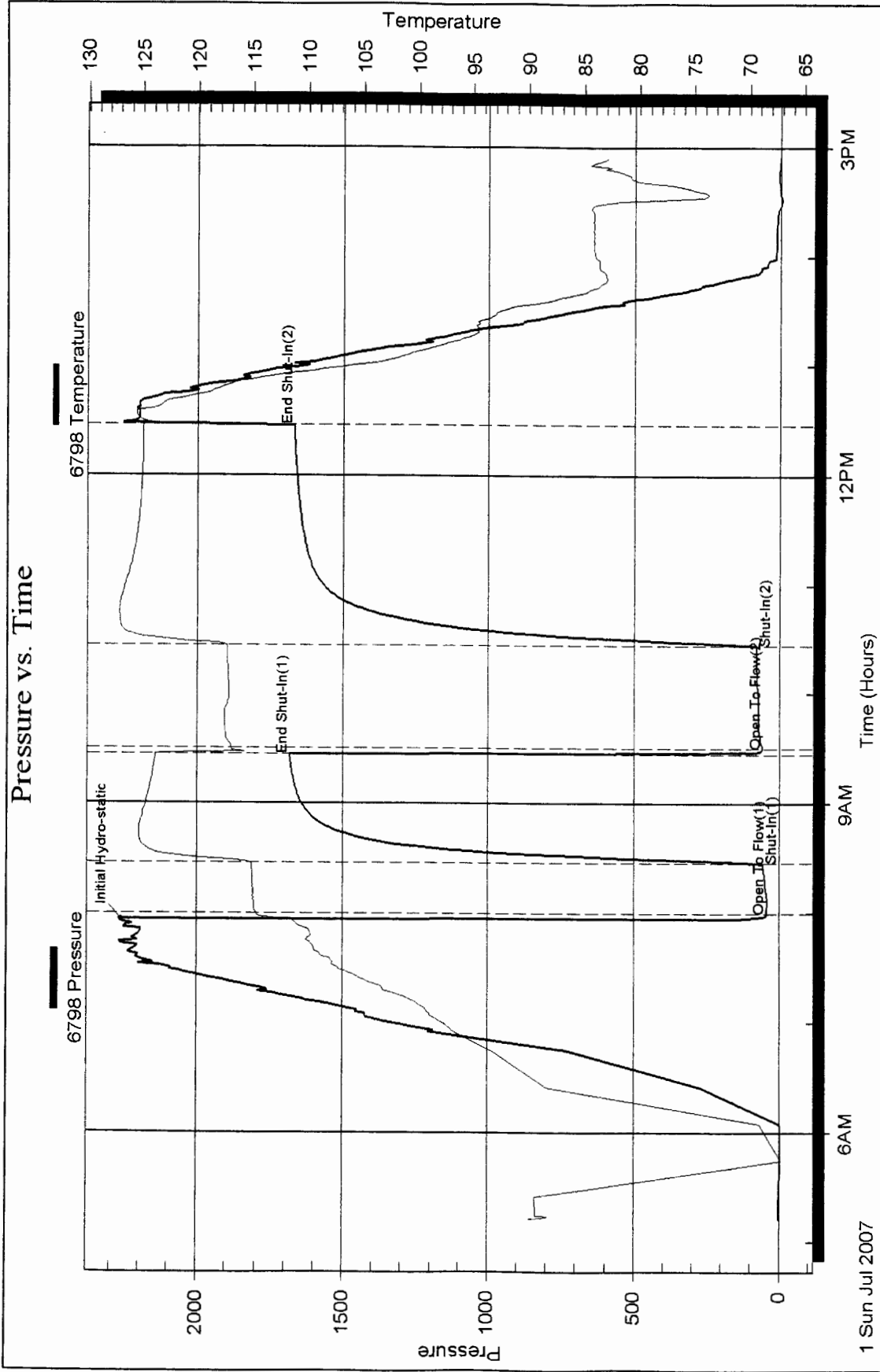
Serial #: 6798

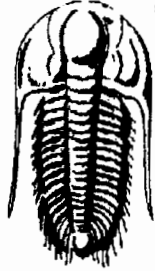
Inside

Woodsey Operating Co LLC

7 34 11 Barber KS

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste #1000
Wichita KS 67202

ATTN: Bill Klaver

7 34 11 Barber KS

Michel "D" # 1

Start Date: 2007.07.01 @ 23:05:59

End Date: 2007.07.02 @ 07:52:29

Job Ticket #: 27950

DST #: 3

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KANSAS CORPORATION COMMISSION

OCT 11 2007

REGISTRATION DIVISION
WICHITA, KS

RECEIVED
KANSAS CORPORATION COMMISSION

2007.07.01

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

Woolsey Operating Co LLC

Michel "D" # 1

7 34 11 Barber KS

DST # 3

Miss.

2007.07.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 27950

DST#: 3

ATTN: Bill Klaver

Test Start: 2007.07.01 @ 23:05:59

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 01:09:14

Time Test Ended: 07:52:29

Test Type: **Conventional Bottom Hole**

Tester: **Travy Cushenbery**

Unit No: **30**

Interval: **4667.00 ft (KB) To 4697.00 ft (KB) (TVD)**

Total Depth: **4697.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1443.00 ft (KB)**

1432.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **37.36 psig @ 4667.00 ft (KB)**

Start Date: **2007.07.01**

End Date:

2007.07.02

Capacity: **7000.00 psig**

Last Calib.: **2007.07.02**

Start Time: **23:06:04**

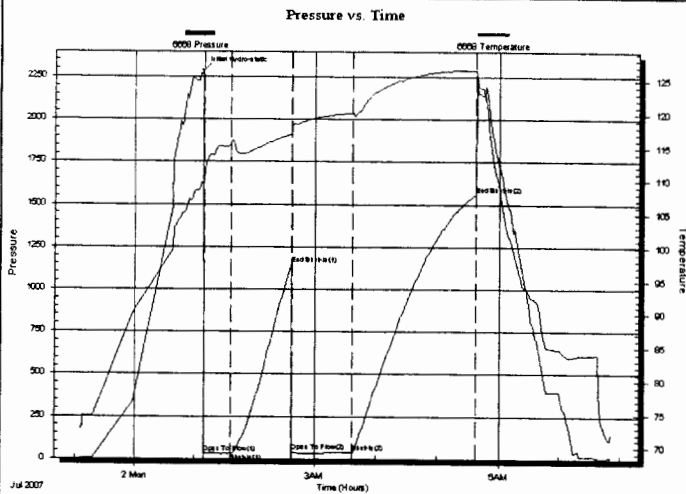
End Time:

07:52:29

Time On Btm: **2007.07.02 @ 01:08:14**

Time Off Btm:

TEST COMMENT: IF Fair blow BOB in 18 mins.
ISI Bled off No blow back
FF Strong blow BOB immediately
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2284.53	109.92	Initial Hydro-static
1	33.31	110.30	Open To Flow (1)
29	31.58	115.71	Shut-In(1)
89	1147.04	117.04	End Shut-In(1)
90	46.46	118.06	Open To Flow (2)
150	37.36	120.19	Shut-In(2)
269	1562.16	126.57	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 27950

DST#: 3

ATTN: Bill Klaver

Test Start: 2007.07.01 @ 23:05:59

Tool Information

Drill Pipe:	Length: 4651.00 ft	Diameter: 3.80 inches	Volume: 65.24 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 65.24 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4667.00 ft			Final	64000.00 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:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4644.00	
Hydraulic tool	5.00			4649.00	
Jars	5.00			4654.00	
Safety Joint	3.00			4657.00	
Packer	5.00			4662.00	28.00 Bottom Of Top Packer
Packer	5.00			4667.00	
Recorder	0.00	6668	Inside	4667.00	
Perforations	27.00			4694.00	
Recorder	0.00	13266	Outside	4694.00	
Bullnose	3.00			4697.00	30.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Michel "D" # 1

125 N Market Ste #1000
Wichita KS 67202

7 34 11 Barber KS

Job Ticket: 27950

DST#: 3

ATTN: Bill Klaver

Test Start: 2007.07.01 @ 23:05:59

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:

23000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: 0.34 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	M	0.842

Total Length: 60.00 ft

Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

