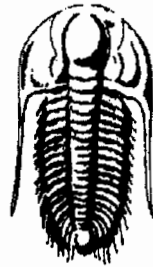


15-007-23036

6-32s-11w



TRILOBITE
TESTING, INC.

KCC
NOV 16 2006
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Roger Martin

6 32S 11W Barber KS

Barber County #1

Start Date: 2006.07.23 @ 18:16:54

End Date: 2006.07.24 @ 06:46:24

Job Ticket #: 24987 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION
NOV 16 2006
CONSERVATION DIVISION
WICHITA, KS

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

125 N Market Ste 1000
Wichita KS 67202

ATTN: Roger Martin

Barber County #1

6 32S 11W Barber KS

Job Ticket: 24987

DST#: 1

Test Start: 2006.07.23 @ 18:16:54

GENERAL INFORMATION:

Formation: **Snyderville**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:01:09

Time Test Ended: 06:46:24

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **3492.00 ft (KB) To 3550.00 ft (KB) (TVD)**

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1511.00 ft (KB)

1502.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6668

Inside

Press@RunDepth: 89.45 psig @ 3493.00 ft (KB)

Start Date: 2006.07.23

End Date: 2006.07.24

Start Time: 18:16:55

End Time: 06:46:24

Capacity: 7000.00 psig

Last Calib.: 2006.07.24

Time On Btm: 2006.07.24 @ 00:00:09

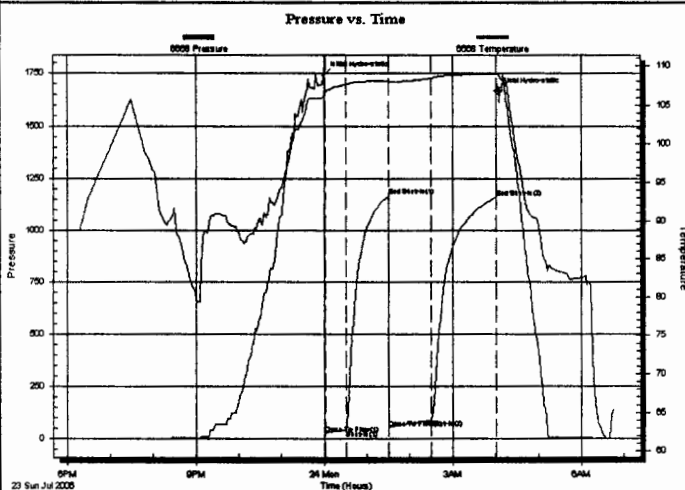
Time Off Btm: 2006.07.24 @ 04:00:39

TEST COMMENT: IF Strong blow BOB in 2 min 10 sec

ISI No blow

FF Fair blow Built to 6 " in bucket Decreased to 3 "after 15 min

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1738.22	106.11	Initial Hydro-static
1	25.35	106.48	Open To Flow (1)
31	43.47	107.58	Shut-In(1)
90	1166.77	108.09	End Shut-In(1)
91	52.50	107.87	Open To Flow (2)
151	89.45	108.42	Shut-In(2)
241	1158.60	108.96	End Shut-In(2)
241	1664.38	109.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	DRLGM 100%M	0.66
0.00		0.00

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 LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24987

DST#: 1

ATTN: Roger Martin

Test Start: 2006.07.23 @ 18:16:54

Tool Information

Drill Pipe:	Length: 3250.00 ft	Diameter: 3.80 inches	Volume: 45.59 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: 235.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	46.75 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3492.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	58.00 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
Change Over Sub	1.00			3464.00	
Shut In Tool	5.00			3469.00	
Hydraulic tool	5.00			3474.00	
Jars	5.00			3479.00	
Safety Joint	3.00			3482.00	
Packer	5.00			3487.00	29.00 Bottom Of Top Packer
Packer	5.00			3492.00	
Stubb	1.00			3493.00	
Recorder	0.00	6668	Inside	3493.00	
Perforations	15.00			3508.00	
Change Over Sub	1.00			3509.00	
Blank Spacing	32.00			3541.00	
Change Over Sub	1.00			3542.00	
Perforations	5.00			3547.00	
Recorder	0.00	13769	Outside	3547.00	
Bullnose	3.00			3550.00	58.00 Bottom Packers & Anchor
Total Tool Length:	87.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24987

DST#: 1

ATTN: Roger Martin

Test Start: 2006.07.23 @ 18:16:54

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 15.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	DRLGM 100%M	0.664
0.00		0.000

Total Length: 135.00 ft

Total Volume: 0.664 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

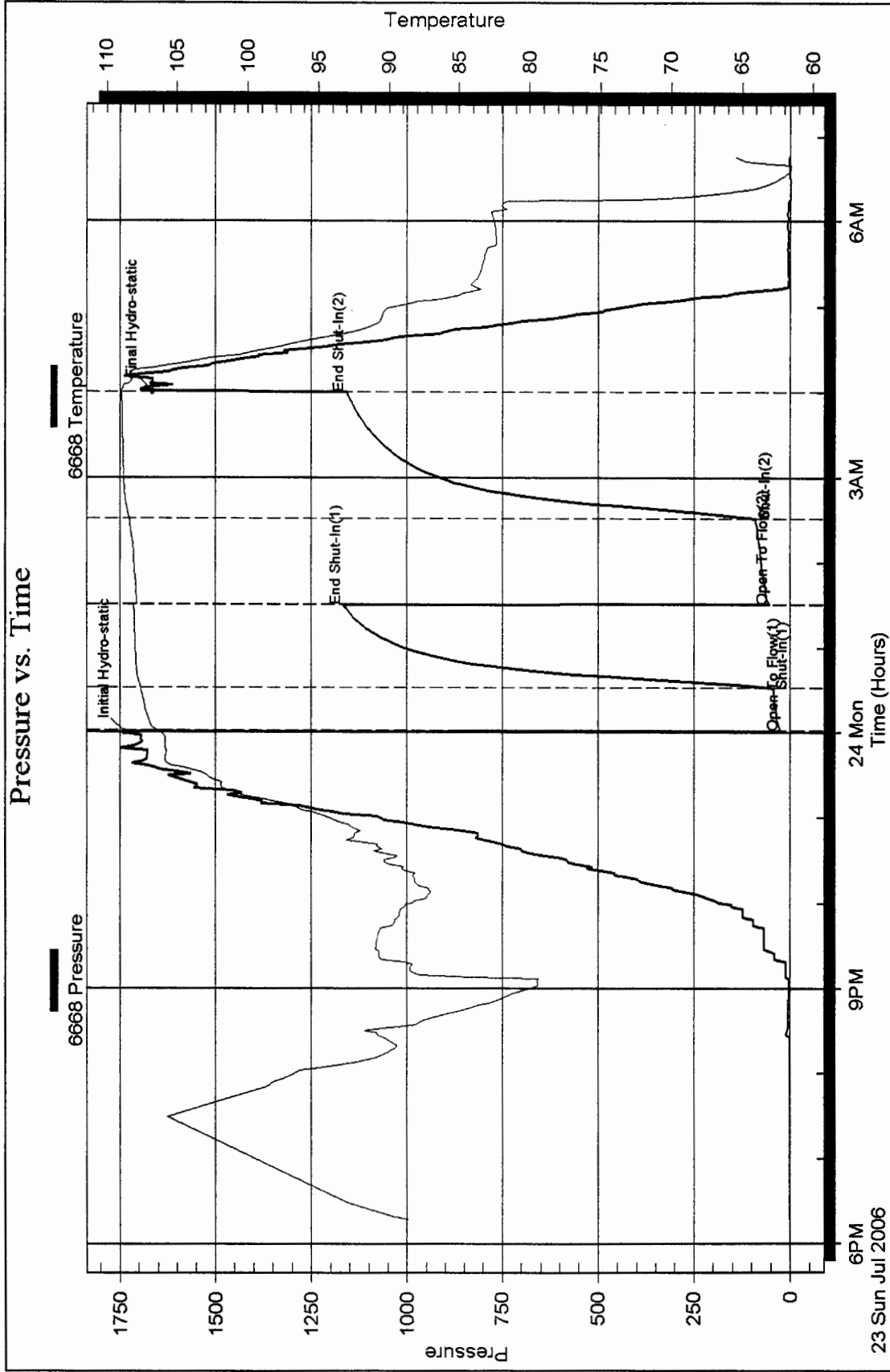
6 32S 11W Barber KS

Woodsey Operating Co LLC

Inside

Serial #: 6668

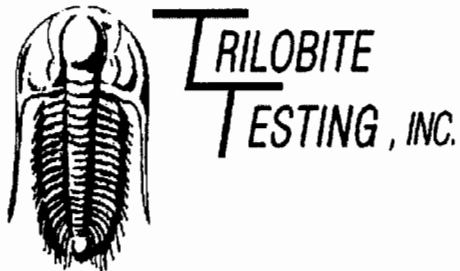
Pressure vs. Time



Ref. No: 24987

Tribble Testing, Inc

Printed: 2006.08.01 @ 10:26:04 Page 5



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Roger Martin

6 32S 11W Barber KS

Barber County #1

Start Date: 2006.07.26 @ 17:10:44

End Date: 2006.07.27 @ 06:20:44

Job Ticket #: 24988

DST #: 2

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

125 N Market Ste 1000
Wichita KS 67202

ATTN: Roger Martin

Barber County #1

6 32S 11W Barber KS

Job Ticket: 24988

DST#: 2

Test Start: 2006.07.26 @ 17:10:44

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:19:29

Time Test Ended: 06:20:44

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **4276.00 ft (KB) To 4318.00 ft (KB) (TVD)**

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1511.00 ft (KB)

1502.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6668

Inside

Press@RunDepth: 205.02 psig @ 4277.00 ft (KB)

Start Date: 2006.07.26

End Date: 2006.07.27

Capacity: 7000.00 psig

Last Calib.: 2006.07.27

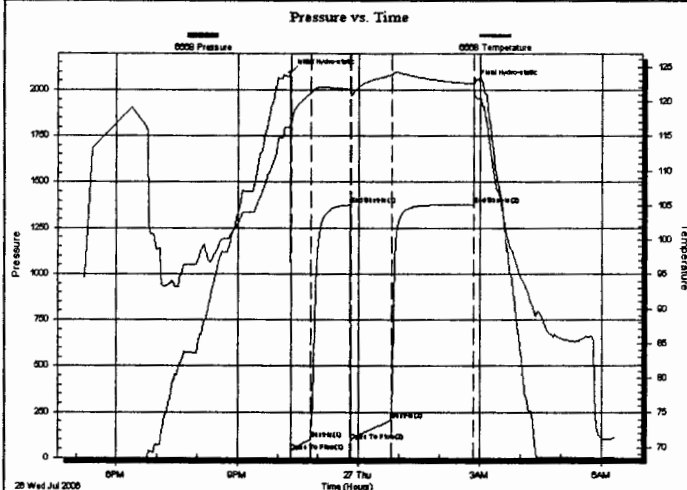
Start Time: 17:10:45

End Time: 06:20:44

Time On Btm: 2006.07.26 @ 22:18:14

Time Off Btm: 2006.07.27 @ 02:50:29

TEST COMMENT: IF Strong blow BOB in 45 sec
ISI Weak blow back 1" to surface Dead in 3 min
FF Strong blow BOB at opening (GTS at opening.TSTM)
FSI Fair blow back Built to 6 in bucket Dead in 45 min



PRESSURE SUMMARY

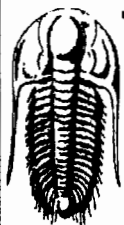
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2094.02	116.72	Initial Hydro-static
2	37.45	116.89	Open To Flow (1)
31	101.28	121.17	Shut-In (1)
91	1375.86	121.75	End Shut-In (1)
92	91.62	120.88	Open To Flow (2)
151	205.02	123.81	Shut-In (2)
272	1377.91	122.59	End Shut-In (2)
273	2034.81	122.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
235.00	MW 5%M 95%W	1.16
180.00	GCWM 2%W 3%G 95%M	2.52
0.00	RW .09 @ 78 drg F 75000Chlorides	0.00
0.00		0.00

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 LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24988

DST#: 2

ATTN: Roger Martin

Test Start: 2006.07.26 @ 17:10:44

Tool Information

Drill Pipe:	Length: 4021.00 ft	Diameter: 3.80 inches	Volume: 56.40 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: 235.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	57.56 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4276.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4248.00	
Shut In Tool	5.00			4253.00	
Hydraulic tool	5.00			4258.00	
Jars	5.00			4263.00	
Safety Joint	3.00			4266.00	
Packer	5.00			4271.00	29.00 Bottom Of Top Packer
Packer	5.00			4276.00	
Stubb	1.00			4277.00	
Recorder	0.00	6668	Inside	4277.00	
Perforations	38.00			4315.00	
Recorder	0.00	13769	Outside	4315.00	
Bullnose	3.00			4318.00	42.00 Bottom Packers & Anchor

Total Tool Length: 71.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24988

DST#: 2

ATTN: Roger Martin

Test Start: 2006.07.26 @ 17:10:44

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: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
235.00	MW 5%M 95%W	1.156
180.00	GCWM 2%W 3%G 95%M	2.525
0.00	RW .09 @ 78 drg F 75000Chlorides	0.000
0.00		0.000

Total Length: 415.00 ft

Total Volume: 3.681 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

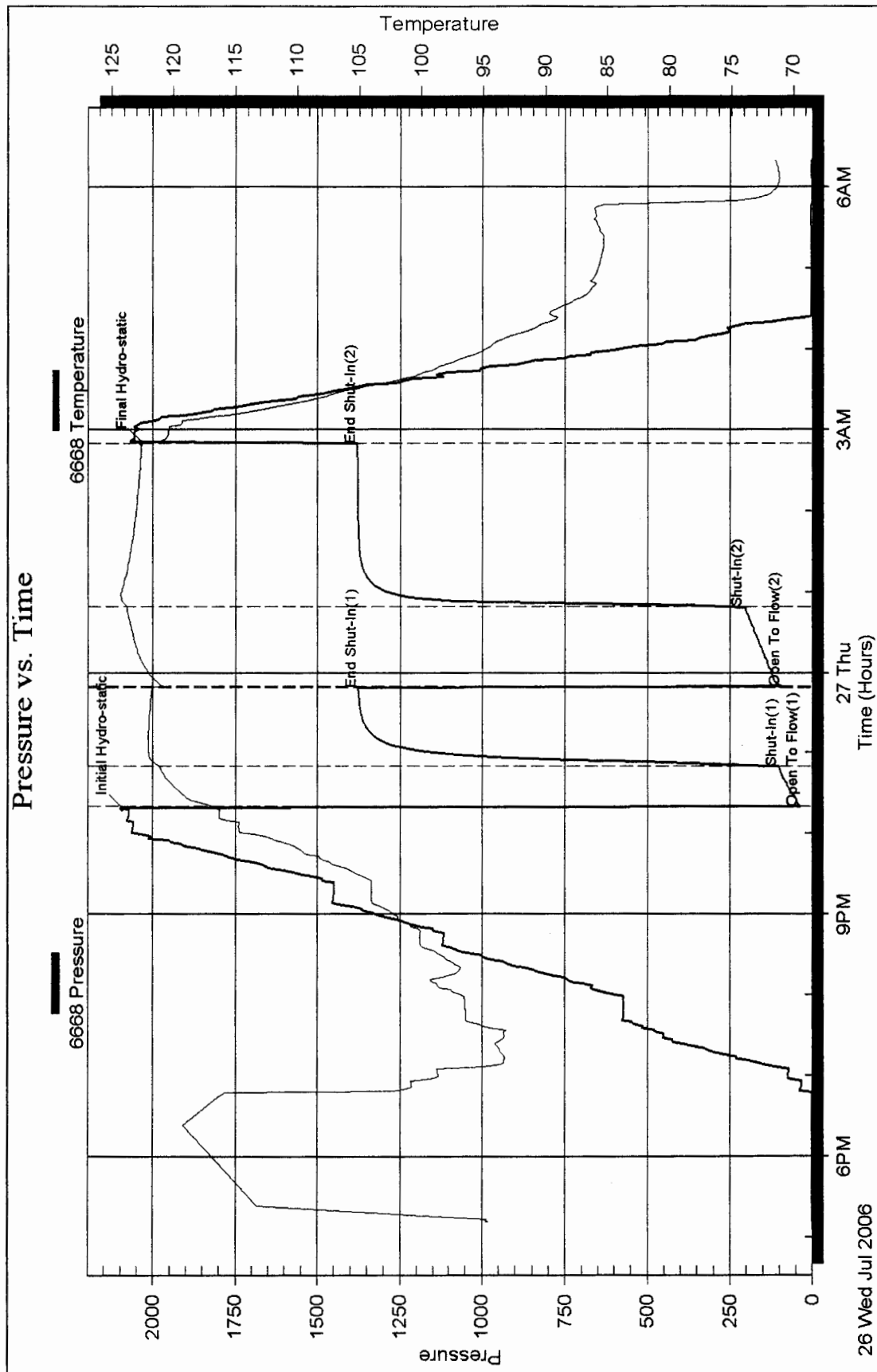
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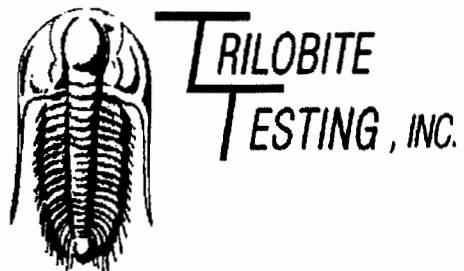
Laboratory Name:

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

ATTN: Roger Martin

6 32S 11W Barber KS

Barber County #1

Start Date: 2006.07.27 @ 16:09:19

End Date: 2006.07.28 @ 03:51:34

Job Ticket #: 24989 DST #: 3

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

125 N Market Ste 1000
Wichita KS 67202

ATTN: Roger Martin

Barber County #1

6 32S 11W Barber KS

Job Ticket: 24989

DST#: 3

Test Start: 2006.07.27 @ 16:09:19

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:37:49

Time Test Ended: 03:51:34

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **4320.00 ft (KB) To 4344.00 ft (KB) (TVD)**

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1511.00 ft (KB)

1502.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6668

Inside

Press@RunDepth: 24.61 psig @ 4321.00 ft (KB)

Start Date: 2006.07.27

End Date:

2006.07.28

Start Time: 16:09:20

End Time:

03:51:34

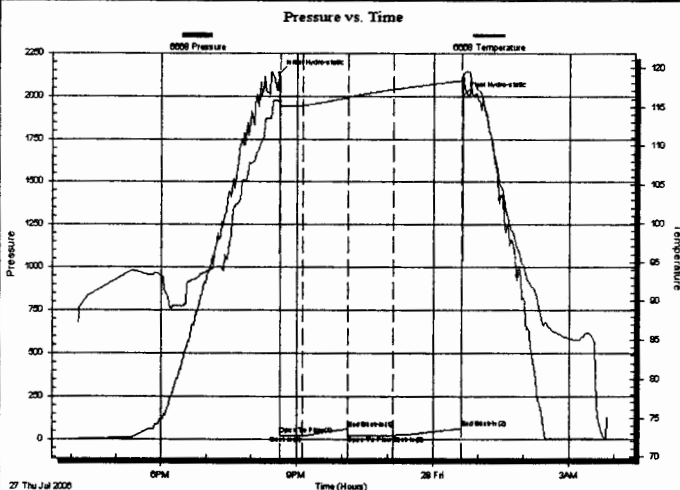
Capacity: 7000.00 psig

Last Calib.: 2006.07.28

Time On Btm: 2006.07.27 @ 20:36:34

Time Off Btm: 2006.07.28 @ 00:38:49

TEST COMMENT: IF Weak blow 1/2 " in bucket
ISI No blow
FF Weak surface blow Dead in 1 min
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.84	115.51	Initial Hydro-static
2	25.72	114.99	Open To Flow (1)
32	21.42	115.16	Shut-In(1)
91	63.14	116.13	End Shut-In(1)
92	21.52	116.11	Open To Flow (2)
151	24.61	117.21	Shut-In(2)
242	64.76	118.36	End Shut-In(2)
243	2001.41	118.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OSDRLGM Trace Oil 100%M	0.10
0.00		0.00

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 LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24989

DST#: 3

ATTN: Roger Martin

Test Start: 2006.07.27 @ 16:09:19

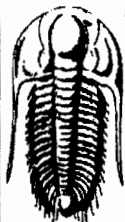
Tool Information

Drill Pipe:	Length: 4081.00 ft	Diameter: 3.80 inches	Volume: 57.25 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: 235.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	58.41 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	4320.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	53.00 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			4292.00	
Shut In Tool	5.00			4297.00	
Hydraulic tool	5.00			4302.00	
Jars	5.00			4307.00	
Safety Joint	3.00			4310.00	
Packer	5.00			4315.00	29.00 Bottom Of Top Packer
Packer	5.00			4320.00	
Stubb	1.00			4321.00	
Recorder	0.00	6668	Inside	4321.00	
Perforations	20.00			4341.00	
Recorder	0.00	13266	Outside	4341.00	
Bullnose	3.00			4344.00	24.00 Bottom Packers & Anchor

Total Tool Length: 53.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24989

DST#: 3

ATTN: Roger Martin

Test Start: 2006.07.27 @ 16:09:19

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:

bbf

Water Loss: 11.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	OSDRLGM Trace Oil 100%M	0.098
0.00		0.000

Total Length: 20.00 ft

Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

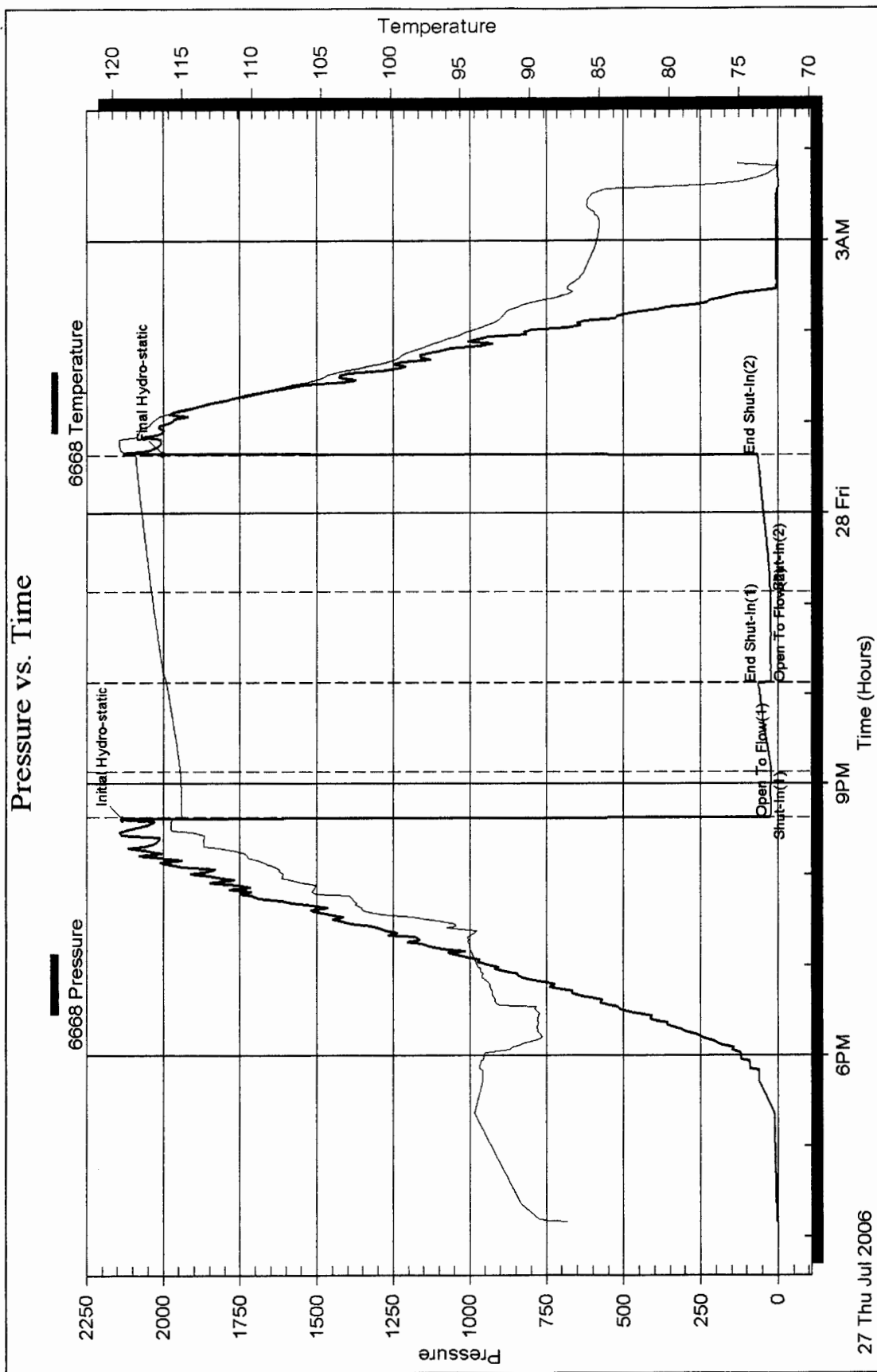
Serial #: 6668

Inside

Wodsey Operating Co LLC

6 32S 11W Barber KS

DST Test Number: 3





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Roger Martin

Barber County #1

6 32S 11W Barber KS

Job Ticket: 24990

DST#: 4

Test Start: 2006.07.28 @ 21:07:29

GENERAL INFORMATION:

Formation: **Fern Glen**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:17:44

Time Test Ended: 06:30:59

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **4391.00 ft (KB) To 4415.00 ft (KB) (TVD)**

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1511.00 ft (KB)

1502.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6668

Inside

Press@RunDepth: 19.67 psig @ 4392.00 ft (KB)

Start Date: 2006.07.28

End Date:

2006.07.29

Capacity: 7000.00 psig

Last Calib.: 2006.07.29

Start Time: 21:07:30

End Time:

06:30:59

Time On Btm: 2006.07.29 @ 00:15:29

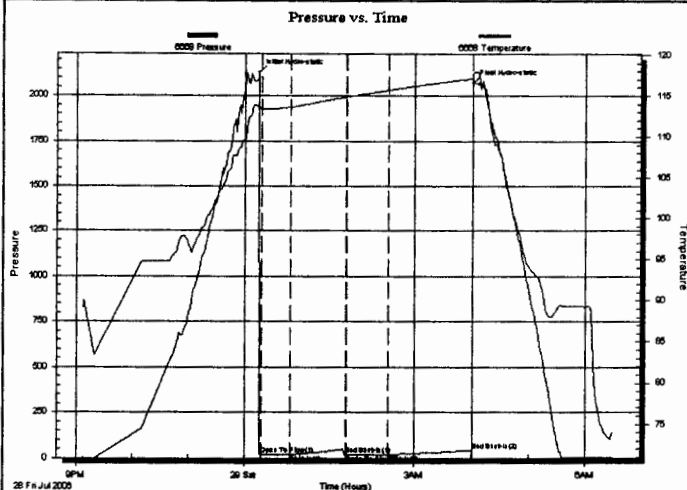
Time Off Btm: 2006.07.29 @ 04:00:59

TEST COMMENT: IF Very weak surface blow Dead in 14 min

ISI No blow

FF No blow

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2127.97	113.95	Initial Hydro-static
3	21.87	113.40	Open To Flow (1)
34	20.04	113.59	Shut-In (1)
92	21.06	114.82	End Shut-In (1)
93	20.88	114.84	Open To Flow (2)
137	19.67	115.68	Shut-In (2)
226	43.40	117.10	End Shut-In (2)
226	2070.00	117.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DRLGM 100%M	0.02
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

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24990

DST#: 4

ATTN: Roger Martin

Test Start: 2006.07.28 @ 21:07:29

Tool Information

Drill Pipe:	Length: 4149.00 ft	Diameter: 3.80 inches	Volume: 58.20 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: 235.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose:	68000.00 lb
		Total Volume:	59.36 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4391.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	53.00 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			4363.00	
Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	3.00			4381.00	
Packer	5.00			4386.00	29.00 Bottom Of Top Packer
Packer	5.00			4391.00	
Stubb	1.00			4392.00	
Recorder	0.00	6668	Inside	4392.00	
Perforations	20.00			4412.00	
Recorder	0.00	13266	Outside	4412.00	
Bullnose	3.00			4415.00	24.00 Bottom Packers & Anchor
Total Tool Length:		53.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24990

DST#: 4

ATTN: Roger Martin

Test Start: 2006.07.28 @ 21:07:29

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: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 14.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 15000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DRLGM 100%M	0.025
0.00		0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

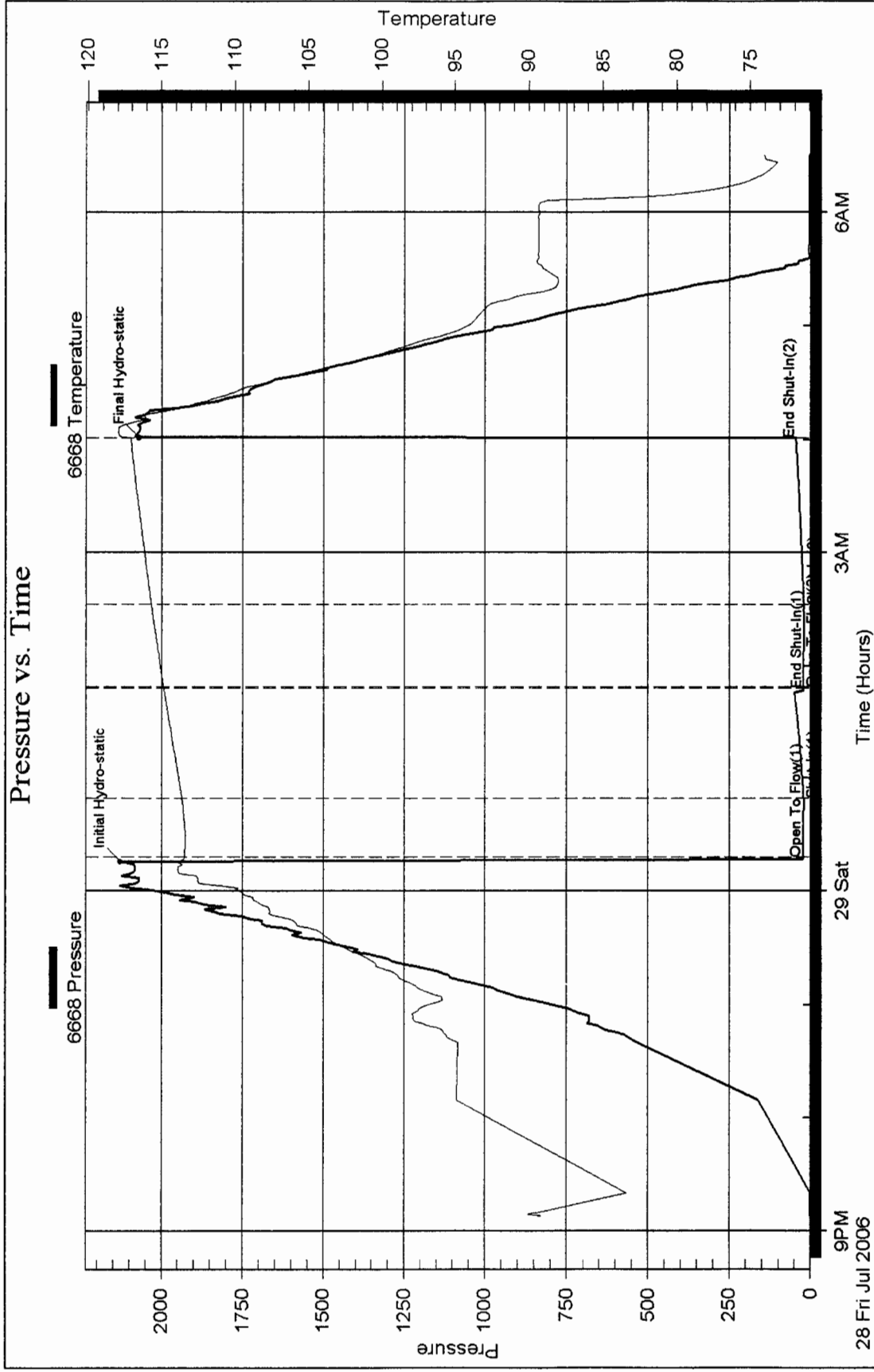
Num Gas Bombs: 0

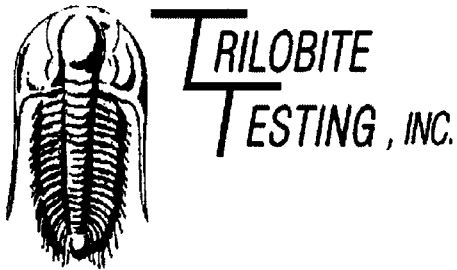
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Roger Martin

6 32S 11W Barber KS

Barber County #1

Start Date: 2006.07.30 @ 10:01:00

End Date: 2006.07.30 @ 18:57:54

Job Ticket #: 24991 DST #: 5

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

125 N Market Ste 1000
Wichita KS 67202

ATTN: Roger Martin

Barber County #1

6 32S 11W Barber KS

Job Ticket: 24991

DST#: 5

Test Start: 2006.07.30 @ 10:01:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:25:09

Time Test Ended: 18:57:54

Test Type: Conventional Bottom Hole

Tester: Les Adams & John Col

Unit No: 30

Interval: **4635.00 ft (KB) To 4656.00 ft (KB) (TVD)**

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1511.00 ft (KB)

1502.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6668

Inside

Press@RunDepth: 23.96 psig @ 4636.00 ft (KB)

Start Date: 2006.07.30

End Date:

2006.07.30

Capacity: 7000.00 psig

Last Calib.: 2006.07.30

Start Time: 09:58:55

End Time:

18:57:54

Time On Btm: 2006.07.30 @ 13:24:39

Time Off Btm: 2006.07.30 @ 15:28:54

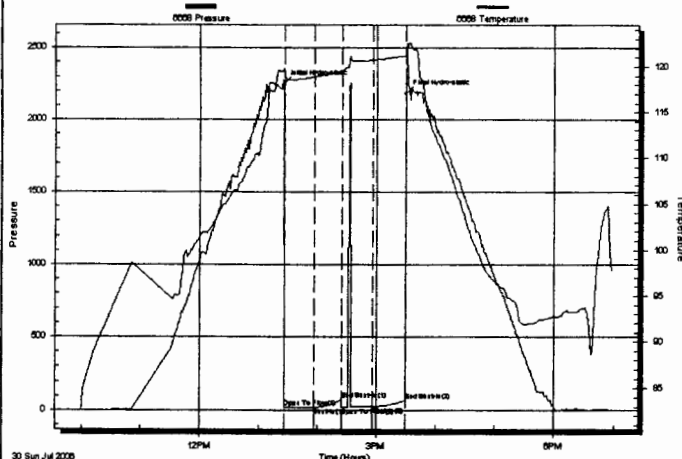
TEST COMMENT: IF Weak surface blow

ISI No blow back

FF No blow Flush tool No blow

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.30	119.77	Initial Hydro-static
1	18.77	119.16	Open To Flow (1)
31	19.36	118.85	Shut-In(1)
60	75.87	119.45	End Shut-In(1)
61	21.44	119.46	Open To Flow (2)
91	23.96	120.72	Shut-In(2)
124	68.78	121.20	End Shut-In(2)
125	2183.09	122.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil spotted Mud 100%M	0.15
0.00		0.00

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 LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24991

DST#: 5

ATTN: Roger Martin

Test Start: 2006.07.30 @ 10:01:00

Tool Information

Drill Pipe:	Length: 4390.00 ft	Diameter: 3.80 inches	Volume: 61.58 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: 235.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	62.74 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4635.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	50.00 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			4607.00	
Shut In Tool	5.00			4612.00	
Hydraulic tool	5.00			4617.00	
Jars	5.00			4622.00	
Safety Joint	3.00			4625.00	
Packer	5.00			4630.00	29.00 Bottom Of Top Packer
Packer	5.00			4635.00	
Stubb	1.00			4636.00	
Recorder	0.00	6668	Inside	4636.00	
Perforations	17.00			4653.00	
Recorder	0.00	13266	Outside	4653.00	
Bullnose	3.00			4656.00	21.00 Bottom Packers & Anchor

Total Tool Length: 50.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Barber County #1

125 N Market Ste 1000
Wichita KS 67202

6 32S 11W Barber KS

Job Ticket: 24991

DST#: 5

ATTN: Roger Martin

Test Start: 2006.07.30 @ 10:01:00

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: 40.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil spotted Mud 100%M	0.148
0.00		0.000

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

