

15-163-23555

8-7s-20w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

8 7S 20W Rooks KS

Roy-Fischli Unit #1-8

Start Date: 2006.10.06 @ 05:05:43

End Date: 2006.10.06 @ 10:57:28

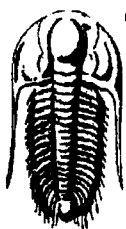
Job Ticket #: 25107 DST #: 1

CONFIDENTIAL
11-9-08

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

ATTN: Gary Gensch

Job Ticket: 25107

DST#: 1

Test Start: 2006.10.06 @ 05:05:43

GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 06:36:28

Time Test Ended: 10:57:28

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3400.00 ft (KB) To 3428.00 ft (KB) (TVD)**

Reference Elevations: **2211.00 ft (KB)**

Total Depth: **3428.00 ft (KB) (TVD)**

2206.00 ft (CF)

Hole Diameter: **7.80 inches** Hole Condition: **Good**

KB to GR/CF: **5.00 ft**

Serial #: 6719

Inside

Press@RunDepth: **79.10 psig @ 3402.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.10.06**

End Date:

2006.10.06

Last Calib.: **2006.10.06**

Start Time: **05:05:45**

End Time:

10:57:28

Time On Btm: **2006.10.06 @ 06:36:13**

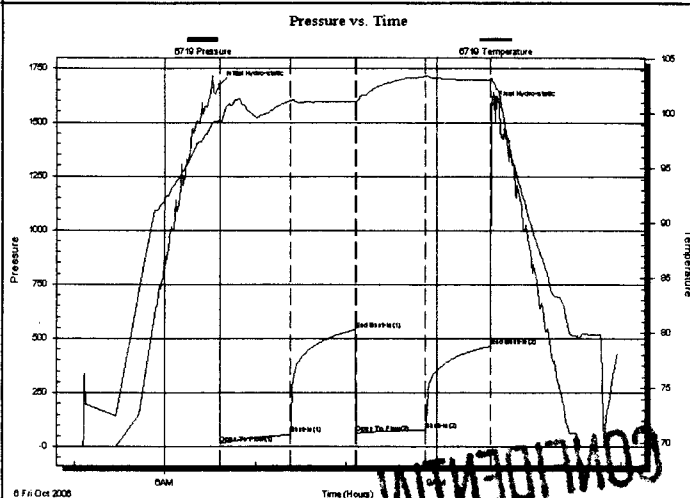
Time Off Btm: **2006.10.06 @ 09:35:28**

TEST COMMENT: **IFP Weak Blow Built to 4-1/2 "**

ISI Dead

FFP Weak Blow Built to 2-1/4 "

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.40	99.35	Initial Hydro-static
1	14.94	99.06	Open To Flow (1)
47	57.29	101.16	Shut-In(1)
90	540.01	101.05	End Shut-In(1)
91	62.85	100.95	Open To Flow (2)
137	79.10	103.42	Shut-In(2)
179	465.85	103.06	End Shut-In(2)
180	1581.66	103.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy Water	0.59
5.00	Oil Specked Mud <1%Oil 99%M	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25107

DST#: 1

ATTN: Gary Gensch

Test Start: 2006.10.06 @ 05:05:43

Tool Information

Drill Pipe:	Length: 3279.00 ft	Diameter: 3.70 inches	Volume: 43.61 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	44.20 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3400.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	49.00 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			3380.00	
Shut In Tool	5.00			3385.00	
Hydraulic tool	5.00			3390.00	
Packer	5.00			3395.00	21.00 Bottom Of Top Packer
Packer	5.00			3400.00	
Stubb	1.00			3401.00	
Perforations	1.00			3402.00	
Recorder	0.00	6719	Inside	3402.00	
Perforations	23.00			3425.00	
Recorder	0.00	13221	Outside	3425.00	
Bullnose	3.00			3428.00	28.00 Bottom Packers & Anchor

Total Tool Length: 49.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25107

DST#: 1

ATTN: Gary Gensch

Test Start: 2006.10.06 @ 05:05:43

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: 29000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Muddy Water	0.590
5.00	Oil Specked Mud <1%Oil 99%M	0.066

Total Length: 125.00 ft

Total Volume: 0.656 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

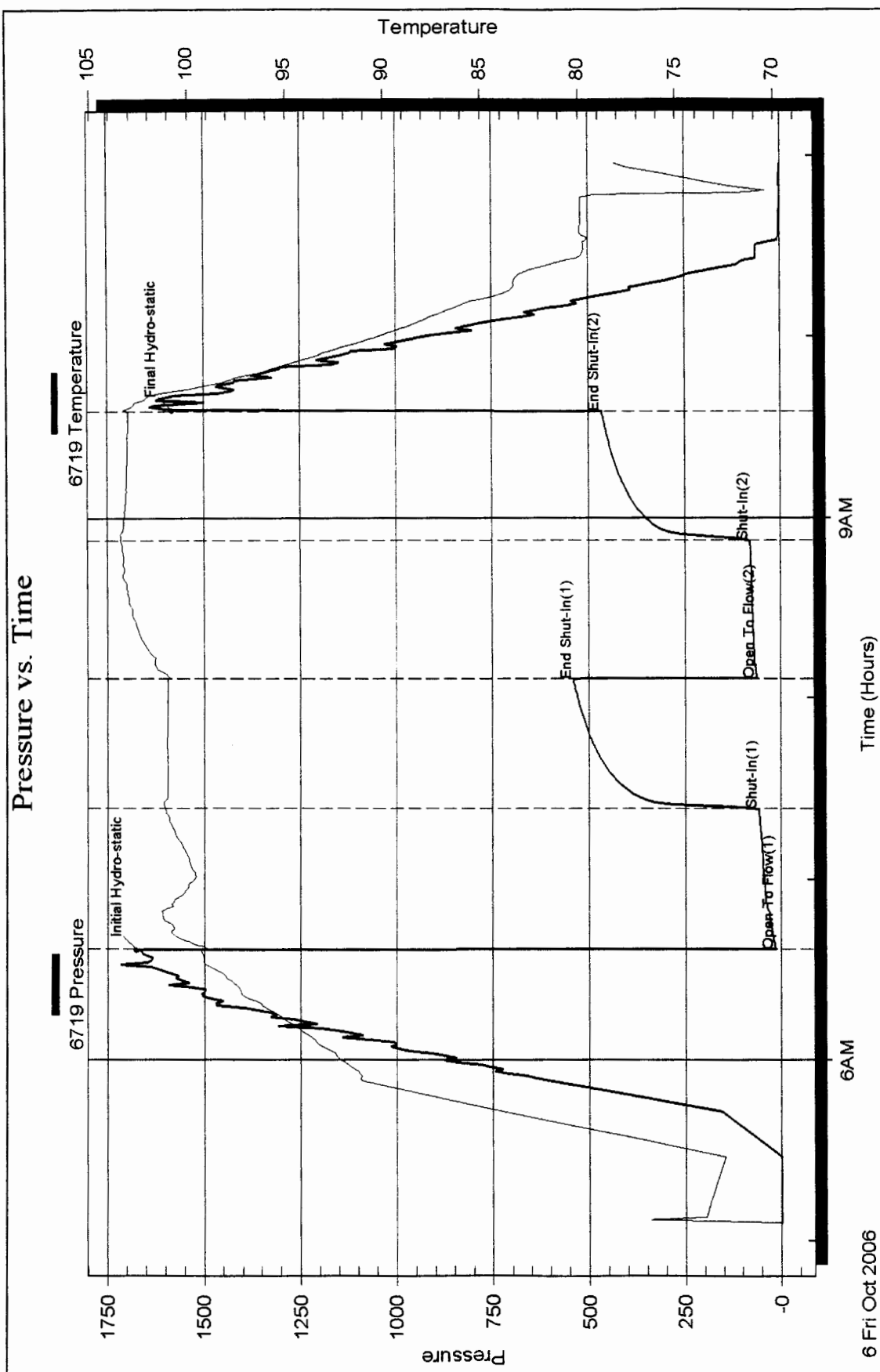
Serial #: 6719

Inside

Baird Oil Company

8 7S 20W/Rocks KS

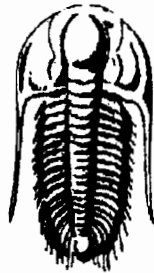
DST Test Number: 1



Ref. No: 25107

Trilobite Testing, Inc

Printed: 2006.10.11 @ 13:01:00 Page 5



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

8 7S 20W Rooks KS

Roy-Fischli Unit #1-8

Start Date: 2006.10.06 @ 16:19:21

End Date: 2006.10.06 @ 22:07:51

Job Ticket #: 25108 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

TOOL DIAGRAM

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25108

DST#: 2

ATTN: Gary Gensch

Test Start: 2006.10.06 @ 16:19:21

Tool Information

Drill Pipe:	Length: 3308.00 ft	Diameter: 3.70 inches	Volume: 43.99 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 44.58 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3423.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	41.00 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			3403.00	
Shut In Tool	5.00			3408.00	
Hydraulic tool	5.00			3413.00	
Packer	5.00			3418.00	21.00 Bottom Of Top Packer
Packer	5.00			3423.00	
Stubb	1.00			3424.00	
Perforations	1.00			3425.00	
Recorder	0.00	6719	Inside	3425.00	
Perforations	15.00			3440.00	
Recorder	0.00	13221	Outside	3440.00	
Bullnose	3.00			3443.00	20.00 Bottom Packers & Anchor

Total Tool Length: 41.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25108

DST#: 2

ATTN: Gary Gensch

Test Start: 2006.10.06 @ 16:19:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Free Oil	0.295
40.00	MCO 50%O 50%M	0.197

Total Length: 100.00 ft

Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

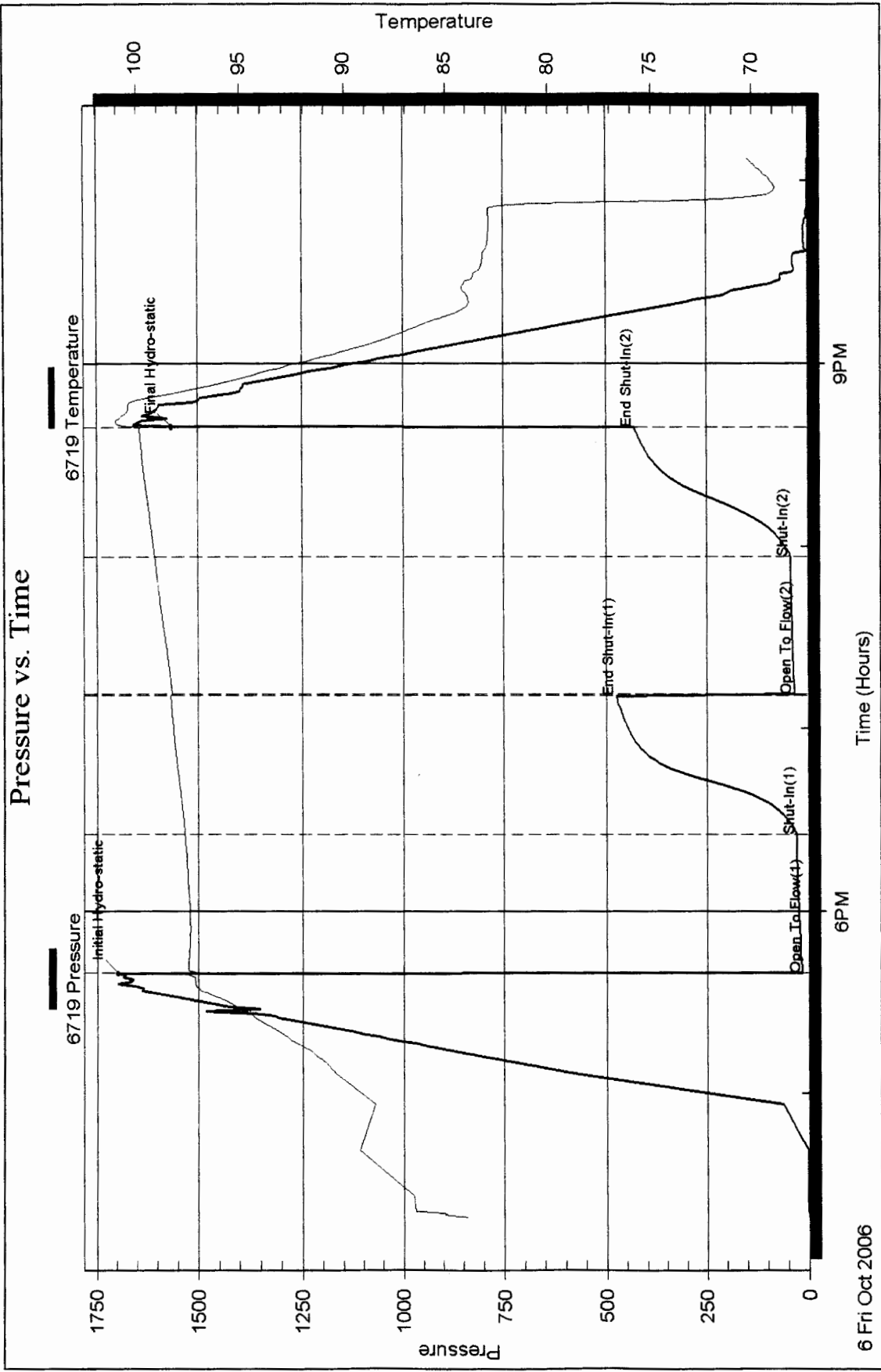
8 7S 20W Rocks KS

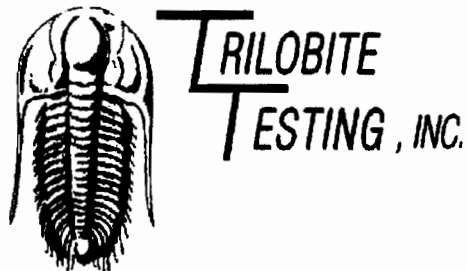
Baird Oil Company

Inside

Serial #: 6719

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

8 7S 20W Rooks KS

Roy-Fischli Unit #1-8

Start Date: 2006.10.07 @ 06:54:05

End Date: 2006.10.07 @ 12:48:35

Job Ticket #: 25109 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

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

Roy-Fischli Unit #1-8

8 7S 20W Rooks KS

Job Ticket: 25109

DST#: 3

Test Start: 2006.10.07 @ 06:54:05

GENERAL INFORMATION:

Formation: **KC-"D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:26:05

Time Test Ended: 12:48:35

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3477.00 ft (KB) To 3496.00 ft (KB) (TVD)**

Total Depth: 3496.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2211.00 ft (KB)

2206.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 35.07 psig @ 3478.00 ft (KB)

Start Date: 2006.10.07

End Date:

2006.10.07

Start Time: 06:54:07

End Time:

12:48:35

Capacity: 7000.00 psig

Last Calib.: 2006.10.07

Time On Btm: 2006.10.07 @ 08:25:50

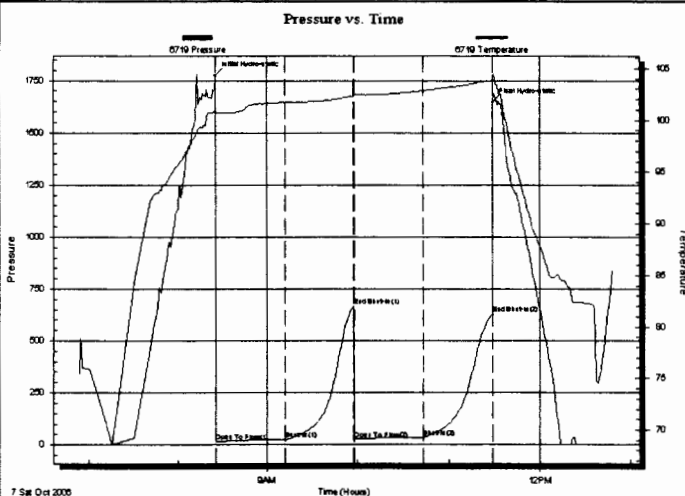
Time Off Btm: 2006.10.07 @ 11:28:35

TEST COMMENT: IFP Weak Blow Built to 2-1/2 "

ISI Dead

FFP Weak Blow Built to 3 "

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1773.99	100.92	Initial Hydro-static
1	13.53	100.51	Open To Flow (1)
47	24.13	101.70	Shut-In (1)
92	666.45	102.31	End Shut-In (1)
92	26.42	102.46	Open To Flow (2)
138	35.07	102.84	Shut-In (2)
183	631.67	103.84	End Shut-In (2)
183	1644.82	104.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
32.00	Free Oil	0.16
30.00	HOCM 40%O 60%M	0.15

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

Roy-Fischli Unit #1-8

8 7S 20W Rooks KS

Job Ticket: 25109

DST#: 3

Test Start: 2006.10.07 @ 06:54:05

Tool Information

Drill Pipe:	Length: 3340.00 ft	Diameter: 3.70 inches	Volume: 44.42 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 45.01 bbl		Tool Chased 1.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3477.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	40.00 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			3457.00	
Shut In Tool	5.00			3462.00	
Hydraulic tool	5.00			3467.00	
Packer	5.00			3472.00	21.00 Bottom Of Top Packer
Packer	5.00			3477.00	
Stubb	1.00			3478.00	
Recorder	0.00	6719	Inside	3478.00	
Perforations	15.00			3493.00	
Recorder	0.00	13221	Outside	3493.00	
Bullnose	3.00			3496.00	19.00 Bottom Packers & Anchor
Total Tool Length:		40.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25109

DST#: 3

ATTN: Gary Gensch

Test Start: 2006.10.07 @ 06:54:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
32.00	Free Oil	0.157
30.00	HOCM 40%O 60%M	0.148

Total Length: 62.00 ft

Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

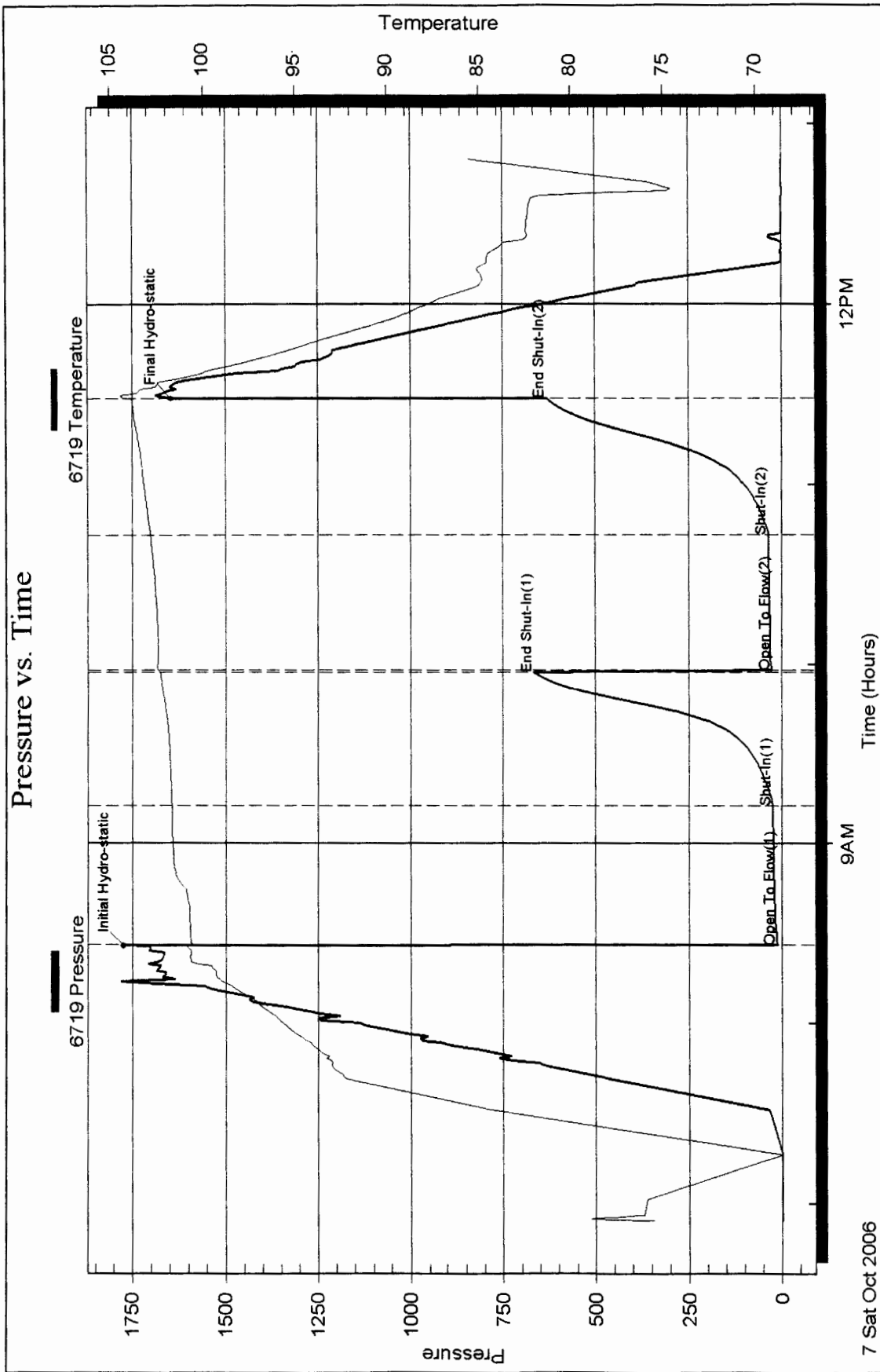
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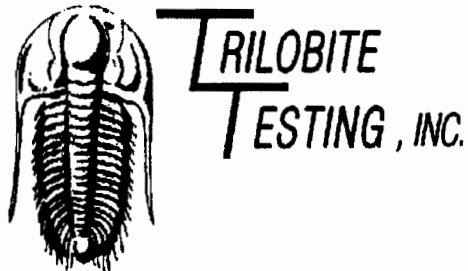
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

8 7S 20W Rooks KS

Roy-Fischli Unit #1-8

Start Date: 2006.10.07 @ 19:20:03

End Date: 2006.10.07 @ 23:14:48

Job Ticket #: 25110 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

Roy-Fischli Unit #1-8

8 7S 20W Rooks KS

Job Ticket: 25110

DST#: 4

Test Start: 2006.10.07 @ 19:20:03

GENERAL INFORMATION:

Formation: **LKC-"F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:46:48

Time Test Ended: 23:14:48

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3506.00 ft (KB) To 3518.00 ft (KB) (TVD)**

Total Depth: 3518.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2211.00 ft (KB)

2206.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 12.25 psig @ 3507.00 ft (KB)

Start Date: 2006.10.07

End Date:

2006.10.07

Start Time: 19:20:05

End Time:

23:14:48

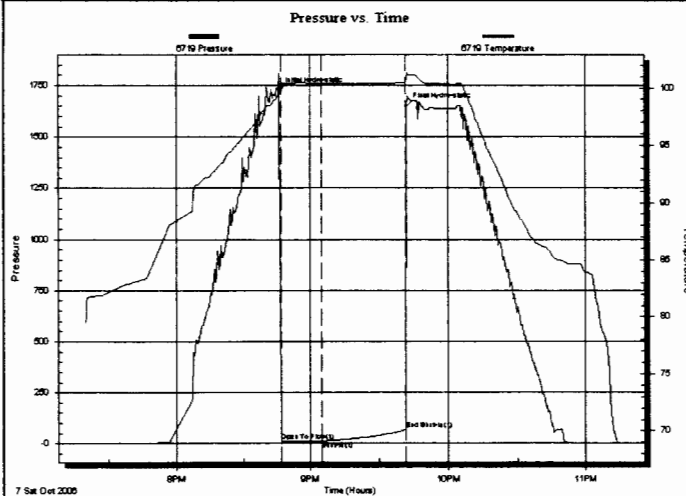
Capacity: 7000.00 psig

Last Calib.: 2006.10.07

Time On Btm: 2006.10.07 @ 20:46:18

Time Off Btm: 2006.10.07 @ 21:42:03

TEST COMMENT: IFP Weak Surface Blow Died in 8 Minutes
ISI Dead Pull Tool After 30 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.77	100.41	Initial Hydro-static
1	10.68	100.33	Open To Flow (1)
19	12.25	100.40	Shut-In(1)
56	68.25	100.47	End Shut-In(1)
56	1648.72	100.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud W/Oil Spot in Tool	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

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25110

DST#: 4

ATTN: Gary Gensch

Test Start: 2006.10.07 @ 19:20:03

Tool Information

Drill Pipe:	Length: 3371.00 ft	Diameter: 3.70 inches	Volume: 44.83 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	45.42 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3506.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	33.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3486.00	
Shut In Tool	5.00			3491.00	
Hydraulic tool	5.00			3496.00	
Packer	5.00			3501.00	21.00 Bottom Of Top Packer
Packer	5.00			3506.00	
Stubb	1.00			3507.00	
Recorder	0.00	6719	Inside	3507.00	
Perforations	8.00			3515.00	
Recorder	0.00	13221	Outside	3515.00	
Bullnose	3.00			3518.00	12.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25110

DST#: 4

ATTN: Gary Gensch

Test Start: 2006.10.07 @ 19:20:03

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud W/Oil Spot in Tool	0.005

Total Length:

1.00 ft

Total Volume:

0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 4

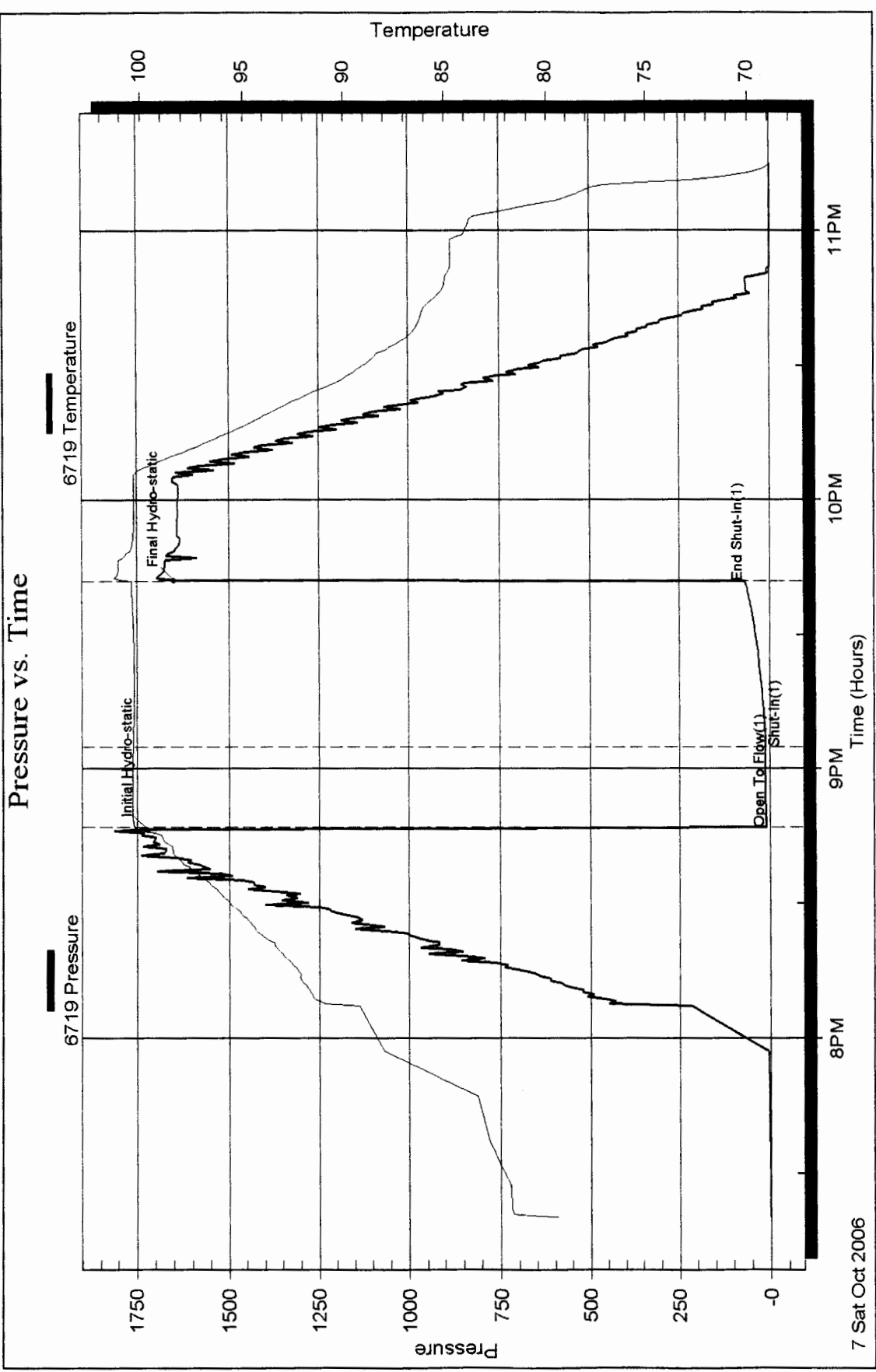
8 7S 20W Rooks KS

Baird Oil Company

Inside

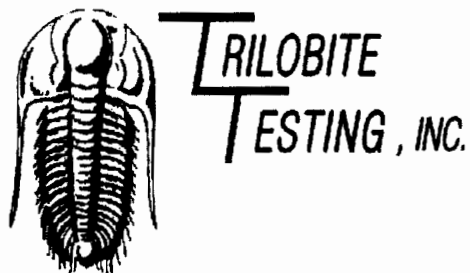
Serial #: 6719

Pressure vs. Time



Ref. No: 25110

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

8 7S 20W Rooks KS

Roy-Fischli Unit #1-8

Start Date: 2006.10.08 @ 08:20:04

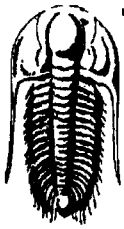
End Date: 2006.10.08 @ 11:56:49

Job Ticket #: 25111 DST #: 5

Trilobite Testing, Inc

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

Roy-Fischli Unit #1-8

8 7S 20W Rooks KS

Job Ticket: 25111

DST#: 5

Test Start: 2006.10.08 @ 08:20:04

GENERAL INFORMATION:

Formation: **LKC-"H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:42:19

Time Test Ended: 11:56:49

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3540.00 ft (KB) To 3570.00 ft (KB) (TVD)**

Total Depth: 3570.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2211.00 ft (KB)

2206.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719 Inside

Press@RunDepth: 17.57 psig @ 3542.00 ft (KB)

Start Date: 2006.10.08

End Date:

2006.10.08

Start Time: 08:20:06

End Time:

11:56:49

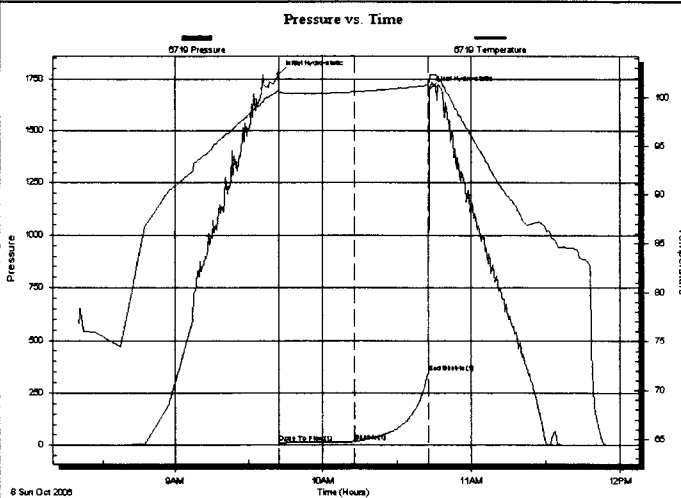
Capacity: 7000.00 psig

Last Calib.: 2006.10.08

Time On Btm: 2006.10.08 @ 09:42:04

Time Off Btm: 2006.10.08 @ 10:43:04

TEST COMMENT: IFP Weak Blow Built to 1/2" in 20 Min. Died
ISI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1771.09	100.72	Initial Hydro-static
1	12.46	100.34	Open To Flow (1)
31	17.57	100.56	Shut-In(1)
61	346.21	101.26	End Shut-In(1)
61	1695.58	101.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	OCM 15%O 85%M	0.03

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25111

DST#: 5

ATTN: Gary Gensch

Test Start: 2006.10.08 @ 08:20:04

Tool Information

Drill Pipe:	Length: 3404.00 ft	Diameter: 3.70 inches	Volume: 45.27 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 45.86 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3540.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 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			3520.00	
Shut In Tool	5.00			3525.00	
Hydraulic tool	5.00			3530.00	
Packer	5.00			3535.00	21.00 Bottom Of Top Packer
Packer	5.00			3540.00	
Stubb	1.00			3541.00	
Perforations	1.00			3542.00	
Recorder	0.00	6719	Inside	3542.00	
Perforations	25.00			3567.00	
Recorder	0.00	13221	Outside	3567.00	
Bullnose	3.00			3570.00	30.00 Bottom Packers & Anchor

Total Tool Length: 51.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25111

DST#: 5

ATTN: Gary Gensch

Test Start: 2006.10.08 @ 08:20:04

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	OCM 15%O 85%M	0.030

Total Length: 6.00 ft

Total Volume: 0.030 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 5

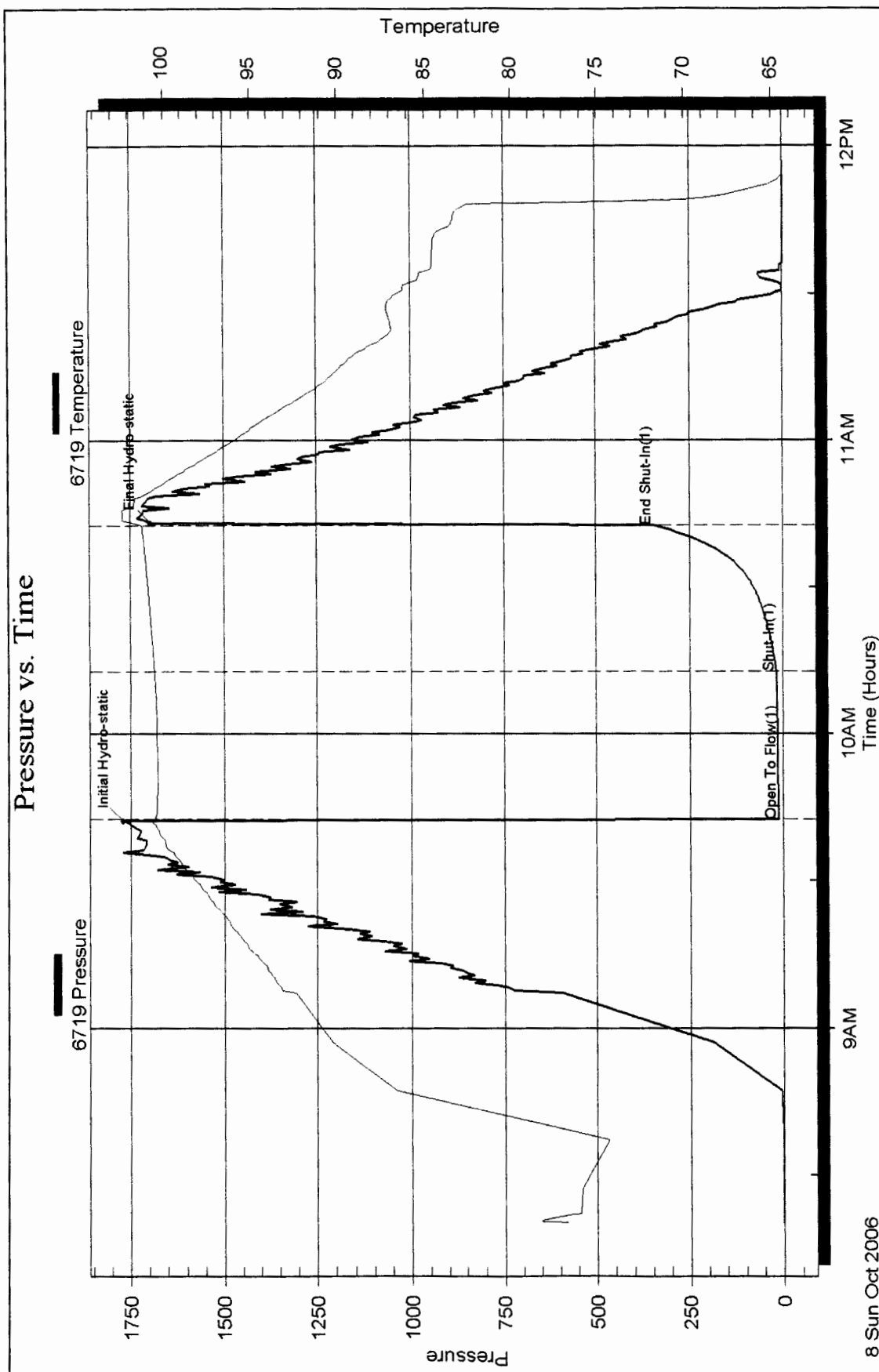
8 7S 20W Rooks KS

Baird Oil Company

Inside

Serial #: 6719

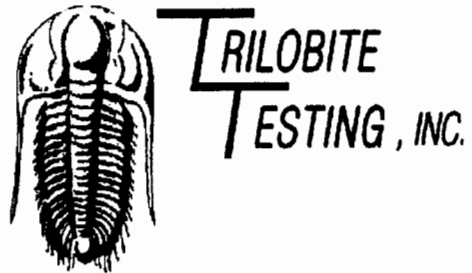
Pressure vs. Time



Ref. No: 25111

Trilobite Testing, Inc

Printed: 2006.10.11 @ 13:02:04 Page 5



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

8 7S 20W Rooks KS

Roy-Fischli Unit #1-8

Start Date: 2006.10.08 @ 17:34:18

End Date: 2006.10.08 @ 23:10:46

Job Ticket #: 25112 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

Roy-Fischli Unit #1-8

8 7S 20W Rooks KS

Job Ticket: 25112

DST#: 6

Test Start: 2006.10.08 @ 17:34:18

GENERAL INFORMATION:

Formation: **LKC-"I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:52:01

Time Test Ended: 23:10:46

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3568.00 ft (KB) To 3587.00 ft (KB) (TVD)**

Total Depth: 3587.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2211.00 ft (KB)

2206.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 132.22 psig @ 3569.00 ft (KB)

Start Date: 2006.10.08

End Date:

2006.10.08

Start Time: 17:34:20

End Time:

23:10:45

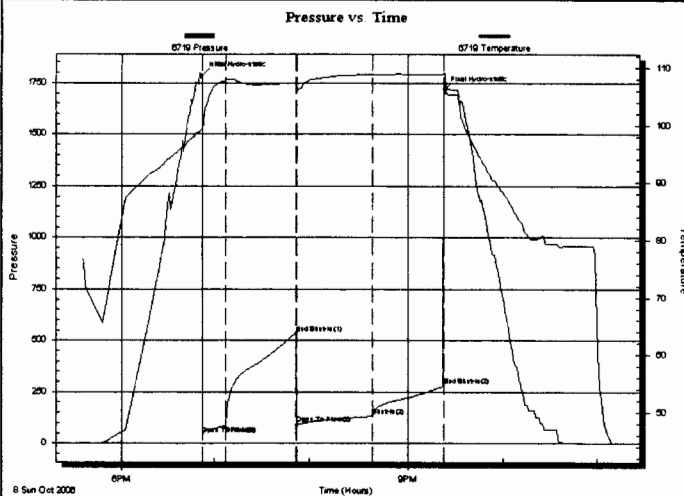
Capacity: 7000.00 psig

Last Calib.: 2006.10.08

Time On Btm: 2006.10.08 @ 18:51:46

Time Off Btm: 2006.10.08 @ 21:23:01

TEST COMMENT: IFP Strong Blow BOB in 3-1/2 Min
ISI Blow back Built to 3 "
FFP Good Blow BOB in 10 Min
FSI Blow back Built to 1 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1787.30	99.20	Initial Hydro-static
1	45.40	98.98	Open To Flow (1)
15	85.67	107.78	Shut-In (1)
60	534.47	107.28	End Shut-In (1)
60	95.77	107.05	Open To Flow (2)
107	132.22	108.80	Shut-In (2)
151	279.68	108.84	End Shut-In (2)
152	1718.02	109.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy Gassy Oil 30%G 45%O 25%M	1.39
150.00	Gassy Oil 30%G 70%O	1.99
0.00	300' Gas in Pipe	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

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

Roy-Fischli Unit #1-8

8 7S 20W Rooks KS

Job Ticket: 25112

DST#: 6

Test Start: 2006.10.08 @ 17:34:18

Tool Information

Drill Pipe:	Length: 3435.00 ft	Diameter: 3.70 inches	Volume: 45.68 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	46.27 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3568.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	40.00 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			3548.00	
Shut In Tool	5.00			3553.00	
Hydraulic tool	5.00			3558.00	
Packer	5.00			3563.00	21.00 Bottom Of Top Packer
Packer	5.00			3568.00	
Stubb	1.00			3569.00	
Recorder	0.00	6719	Inside	3569.00	
Perforations	15.00			3584.00	
Recorder	0.00	13221	Outside	3584.00	
Bullnose	3.00			3587.00	19.00 Bottom Packers & Anchor
Total Tool Length:		40.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25112

DST#: 6

ATTN: Gary Gensch

Test Start: 2006.10.08 @ 17:34:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Muddy Gassy Oil 30%G 45%O 25%M	1.388
150.00	Gassy Oil 30%G 70%O	1.995
0.00	300' Gas in Pipe	0.000

Total Length: 330.00 ft

Total Volume: 3.383 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 6

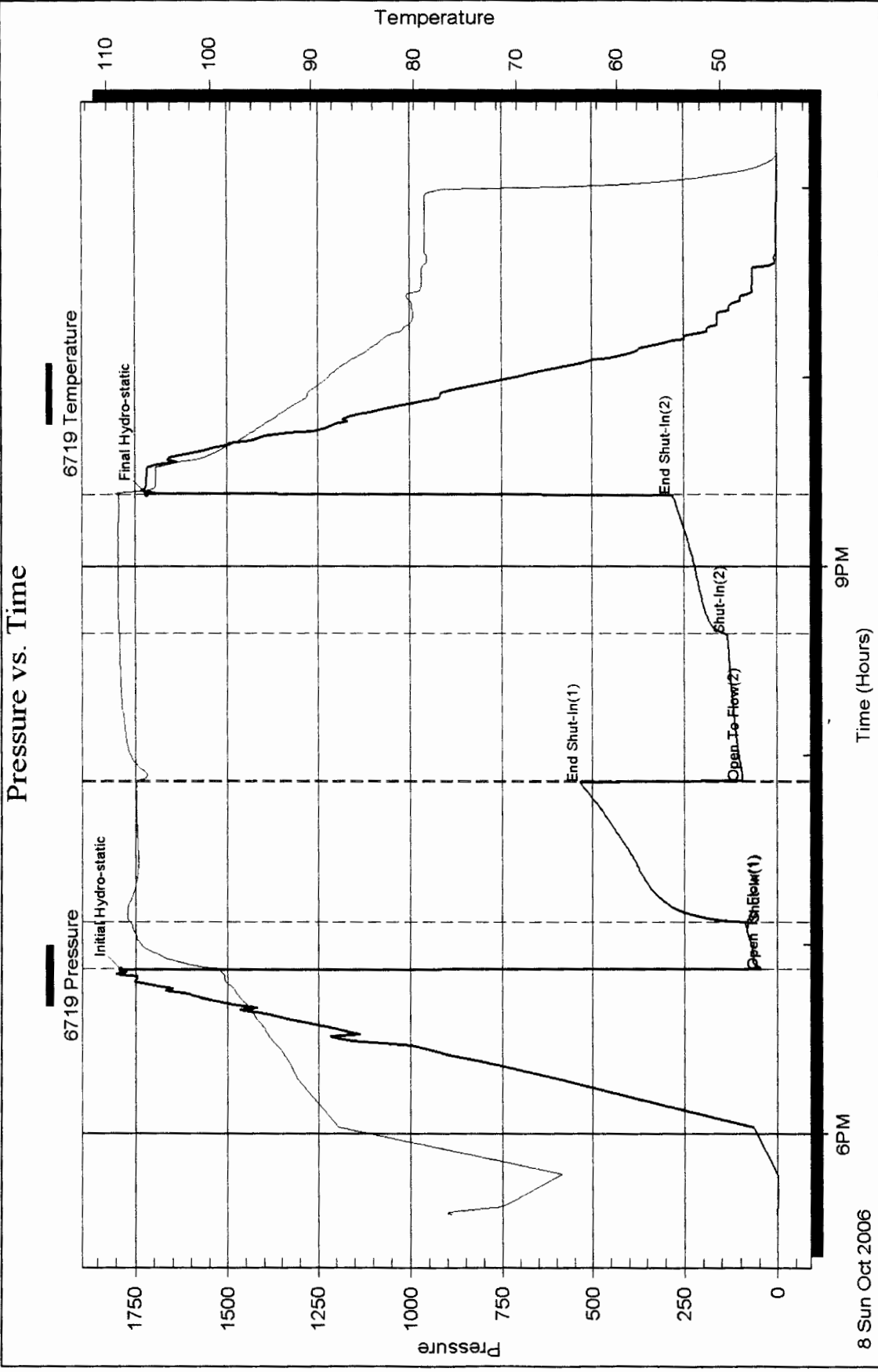
8 7S 20W Rocks KS

Baird Oil Company

Inside

Serial #: 6719

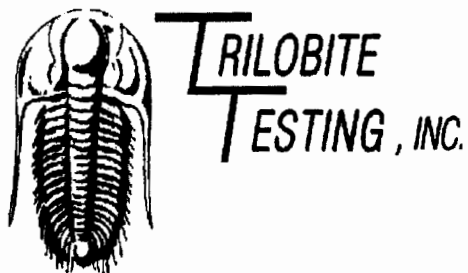
Pressure vs. Time



Ref. No: 25112

Trilobite Testing, Inc

Printed: 2006.10.11 @ 13:02:19 Page 5



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

8 7S 20W Rooks KS

Roy-Fischli Unit #1-8

Start Date: 2006.10.09 @ 09:26:57

End Date: 2006.10.09 @ 15:48:12

Job Ticket #: 25113 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

Roy-Fischli Unit #1-8

8 7S 20W Rooks KS

Job Ticket: 25113

DST#: 7

Test Start: 2006.10.09 @ 09:26:57

GENERAL INFORMATION:

Formation: **LKC-"J-K-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:00:57

Time Test Ended: 15:48:12

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3586.00 ft (KB) To 3626.00 ft (KB) (TVD)**

Total Depth: 3626.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2211.00 ft (KB)

2206.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 85.50 psig @ 3591.00 ft (KB)

Start Date: 2006.10.09

End Date:

2006.10.09

Start Time:

09:26:59

End Time:

15:48:12

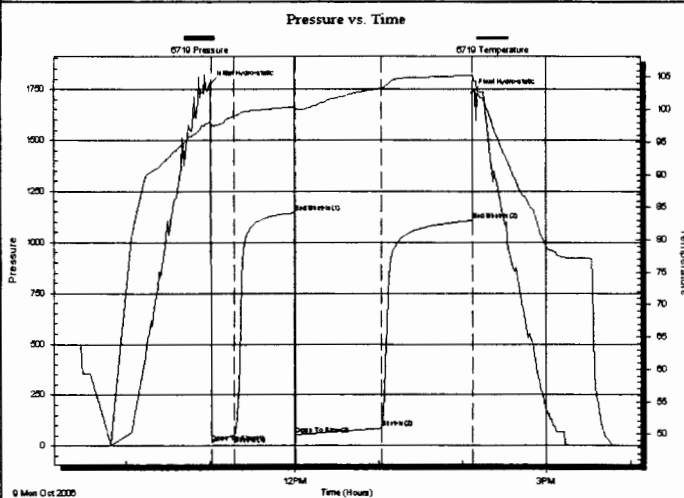
Capacity: 7000.00 psig

Last Calib.: 2006.10.09

Time On Btm: 2006.10.09 @ 11:00:42

Time Off Btm: 2006.10.09 @ 14:07:27

TEST COMMENT: IFF Fair Blow Built to 5-1/2 "
ISI Blow back Built to 1"
FFP Good Blow BOB in 19 Min.
FSI Blow back Built to 1/2 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.85	98.07	Initial Hydro-static
1	15.93	97.65	Open To Flow (1)
17	47.62	98.97	Shut-In (1)
60	1145.40	100.40	End Shut-In (1)
61	52.04	100.18	Open To Flow (2)
122	85.50	103.26	Shut-In (2)
187	1107.00	105.26	End Shut-In (2)
187	1730.79	105.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud Out Oil 70%O 30%M	0.59
75.00	Free Oil	1.00
0.00	255' Gas in Pipe	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

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25113

DST#: 7

ATTN: Gary Gensch

Test Start: 2006.10.09 @ 09:26:57

Tool Information

Drill Pipe:	Length: 3467.00 ft	Diameter: 3.70 inches	Volume: 46.11 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 46.70 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3586.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	61.00 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			3566.00	
Shut In Tool	5.00			3571.00	
Hydraulic tool	5.00			3576.00	
Packer	5.00			3581.00	21.00 Bottom Of Top Packer
Packer	5.00			3586.00	
Stubb	1.00			3587.00	
Perforations	4.00			3591.00	
Recorder	0.00	6719	Inside	3591.00	
Perforations	32.00			3623.00	
Recorder	0.00	13221	Outside	3623.00	
Bullnose	3.00			3626.00	40.00 Bottom Packers & Anchor
Total Tool Length:		61.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25113

DST#: 7

ATTN: Gary Gensch

Test Start: 2006.10.09 @ 09:26:57

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud Out Oil 70%O 30%M	0.590
75.00	Free Oil	0.997
0.00	255' Gas in Pipe	0.000

Total Length: 195.00 ft

Total Volume: 1.587 bbl

Num Fluid Samples: 0

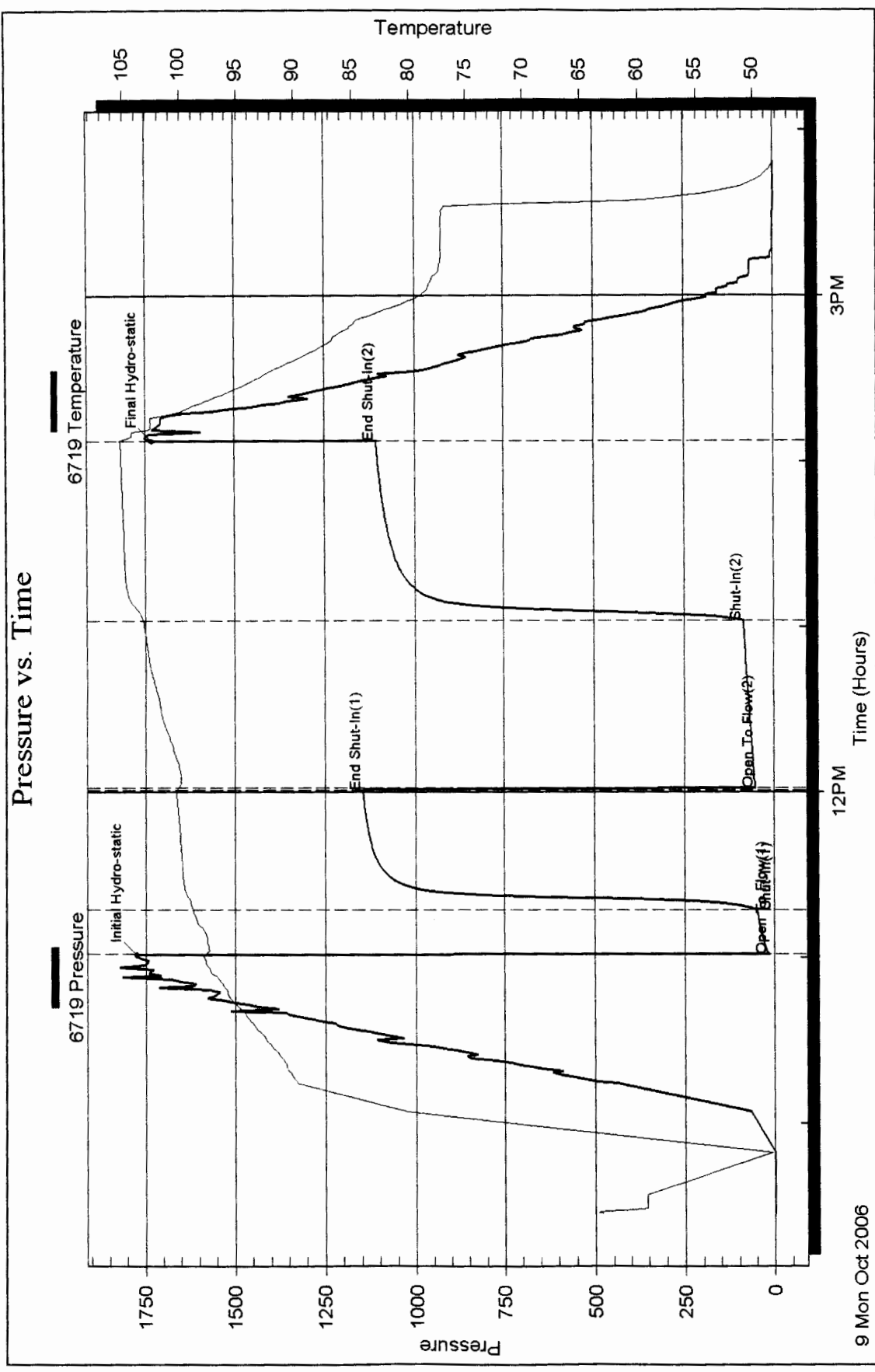
Num Gas Bombs: 0

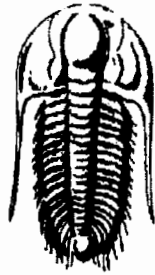
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

8 7S 20W Rooks KS

Roy-Fischli Unit #1-8

Start Date: 2006.10.10 @ 02:40:49

End Date: 2006.10.10 @ 09:03:04

Job Ticket #: 25114 DST #: 8

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Gary Gensch

Roy-Fischli Unit #1-8

8 7S 20W Rooks KS

Job Ticket: 25114

DST#: 8

Test Start: 2006.10.10 @ 02:40:49

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:13:34

Time Test Ended: 09:03:04

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3666.00 ft (KB) To 3710.00 ft (KB) (TVD)**

Total Depth: 3710.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2211.00 ft (KB)

2206.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6719** Inside

Press@RunDepth: 95.41 psig @ 3672.00 ft (KB)

Start Date: 2006.10.10

End Date:

2006.10.10

Start Time: 02:40:51

End Time:

09:03:04

Capacity: 7000.00 psig

Last Calib.: 2006.10.10

Time On Btm: 2006.10.10 @ 04:13:04

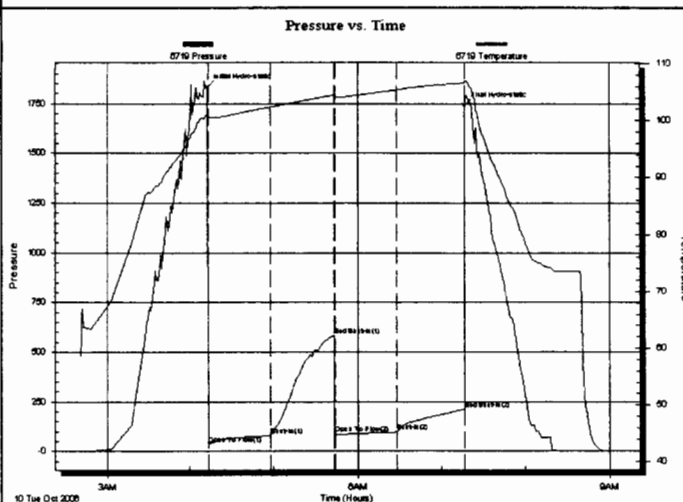
Time Off Btm: 2006.10.10 @ 07:16:49

TEST COMMENT: IFP Fair Blow BOB in 39 Min.

ISI Dead

FFP Weak Blow Built to 5 "

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1831.11	101.01	Initial Hydro-static
1	33.95	100.66	Open To Flow (1)
45	77.76	102.36	Shut-In(1)
90	582.00	104.48	End Shut-In(1)
91	85.98	104.25	Open To Flow (2)
134	95.41	105.37	Shut-In(2)
184	211.42	106.60	End Shut-In(2)
184	1737.16	107.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
146.00	HOCM 25%O 75%M	0.94
40.00	Free Oil	0.53

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25114

DST#: 8

ATTN: Gary Gensch

Test Start: 2006.10.10 @ 02:40:49

Tool Information

Drill Pipe:	Length: 3532.00 ft	Diameter: 3.70 inches	Volume: 46.97 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 48000.00 lb
		Total Volume:	47.56 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3666.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	65.00 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			3646.00	
Shut In Tool	5.00			3651.00	
Hydraulic tool	5.00			3656.00	
Packer	5.00			3661.00	21.00 Bottom Of Top Packer
Packer	5.00			3666.00	
Stubb	1.00			3667.00	
Perforations	4.00			3671.00	
Change Over Sub	1.00			3672.00	
Recorder	0.00	6719	Inside	3672.00	
Blank Spacing	31.00			3703.00	
Change Over Sub	1.00			3704.00	
Perforations	3.00			3707.00	
Recorder	0.00	13221	Outside	3707.00	
Bullnose	3.00			3710.00	44.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

Roy-Fischli Unit #1-8

PO Box 428
Logan KS 67646

8 7S 20W Rooks KS

Job Ticket: 25114

DST#: 8

ATTN: Gary Gensch

Test Start: 2006.10.10 @ 02:40:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
146.00	HOCM 25%O 75%M	0.936
40.00	Free Oil	0.532

Total Length: 186.00 ft

Total Volume: 1.468 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 8

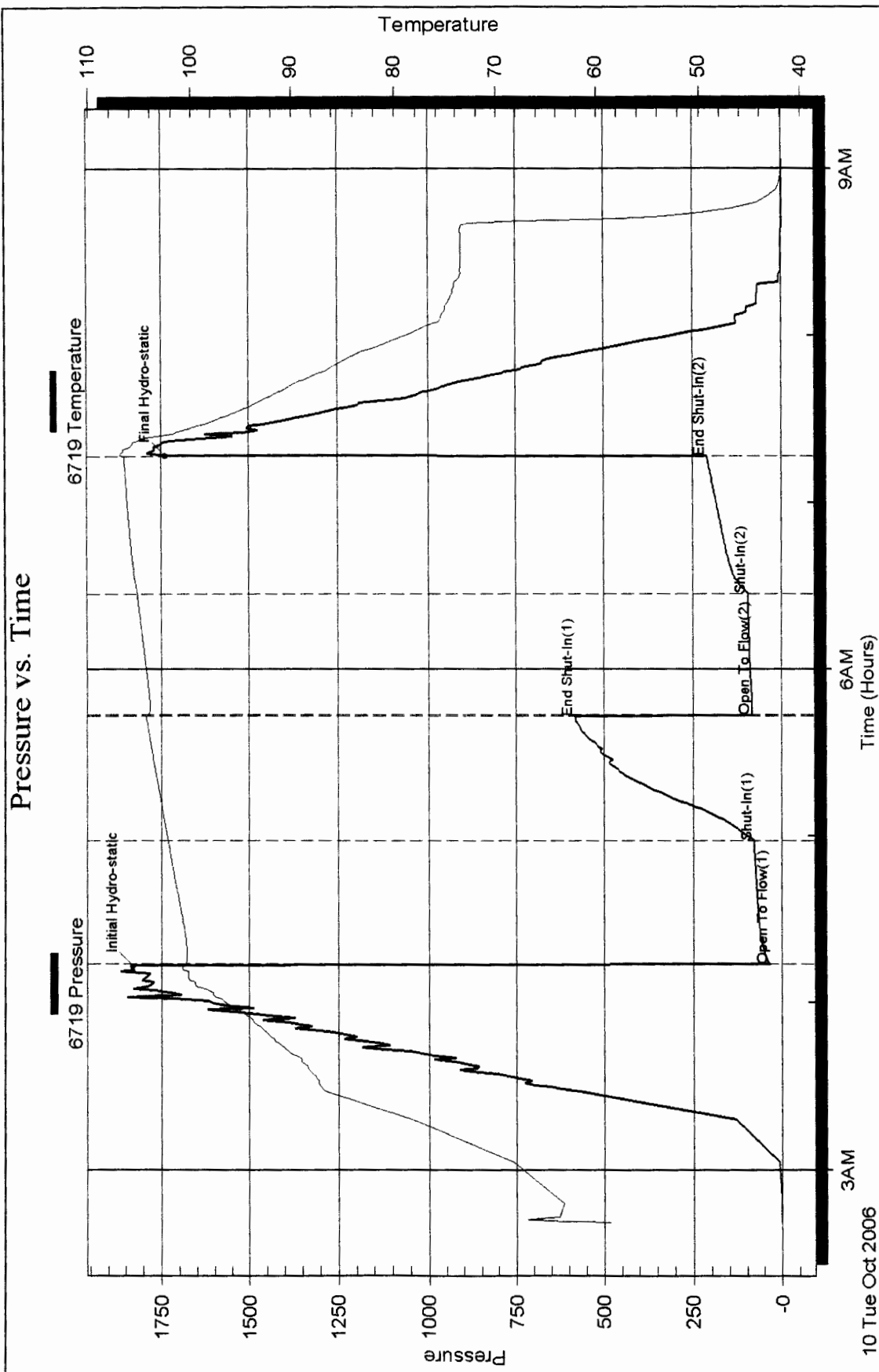
8 7S 20W Rocks KS

Baird Oil Company

Inside

Serial #: 6719

Pressure vs. Time



Ref. No: 25114

Trilobite Testing, Inc

Printed: 2006.10.11 @ 13:03:08 Page 5