



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

1-7s-22w Graham KS

David Worcester #1-1

Start Date: 2010.04.22 @ 21:18:15

End Date: 2010.04.23 @ 02:10:39

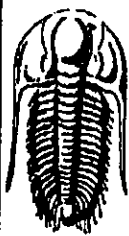
Job Ticket #: 38554 DST #: 1

KCC
JUN 12 2010
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 11 2010
CONSERVATION DIVISION
WICHITA, KS

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

David Worcester #1-1

1-7s-22w Graham KS

Job Ticket: 38554

DST#: 1

Test Start: 2010.04.22 @ 21:18:15

GENERAL INFORMATION:

Formation: LKC "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:50:40

Time Test Ended: 02:10:39

Interval: 3525.00 ft (KB) To 3546.00 ft (KB) (TVD)

Total Depth: 3546.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 2266.00 ft (KB)

2261.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 453.96 psig @ 3526.01 ft (KB)

Start Date: 2010.04.22

End Date: 2010.04.23

Start Time: 21:18:15

End Time: 02:10:39

Capacity: 8000.00 psig

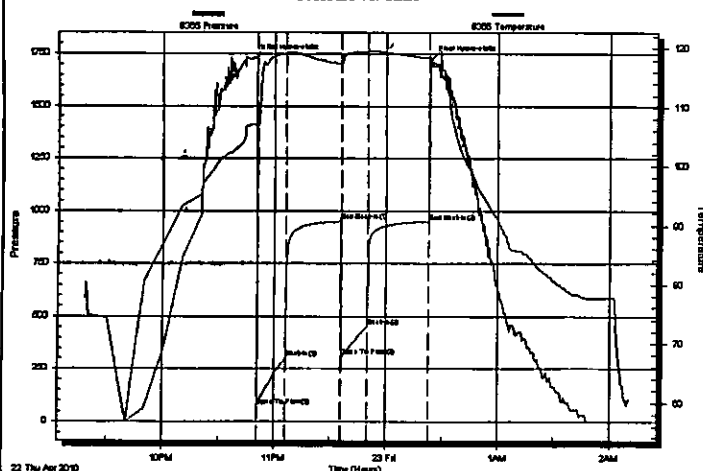
Last Calib.: 2010.04.23

Time On Btm: 2010.04.22 @ 22:48:10

Time Off Btm: 2010.04.23 @ 00:23:40

TEST COMMENT: IFF-strg bl in 2min
FFP-strg bl in 3min
Times 15-30-15-30
no bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.30	106.97	Initial Hydro-static
3	71.31	106.18	Open To Flow (1)
18	300.61	119.15	Shut-In (1)
48	950.95	117.47	End Shut-In (1)
48	311.71	117.15	Open To Flow (2)
62	453.96	119.45	Shut-In (2)
95	950.11	118.44	End Shut-In (2)
96	1721.97	117.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	60' GP	0.00
540.00	Water	6.48
240.00	Water w/show of oil	3.37
120.00	SOCMW 1%O20%M79%W	1.68

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 LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38554

DST#: 1

ATTN: Jim Baird

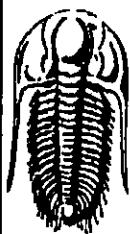
Test Start: 2010.04.22 @ 21:18:15

Tool Information

Drill Pipe:	Length:	3415.00 ft	Diameter:	3.80 inches	Volume:	47.90 bbl	Tool Weight:	2200.00 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:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	55000.00 lb		
						Total Volume:	48.49 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	31.00 ft								String Weight: Initial	41000.00 lb
Depth to Top Packer:	3525.00 ft								Final	46000.00 lb
Depth to Bottom Packer:	ft									
Interval between Packers:	21.02 ft									
Tool Length:	42.02 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			3505.00	
Shut In Tool	5.00			3510.00	
Hydraulic tool	5.00			3515.00	
Packer	5.00			3520.00	21.00 Bottom Of Top Packer
Packer	5.00			3525.00	
Stubb	1.00			3526.00	
Recorder	0.01	8365	Inside	3526.01	
Recorder	0.01	6625	Outside	3526.02	
Perforations	17.00			3543.02	
Bullnose	3.00			3546.02	21.02 Bottom Packers & Anchor
Total Tool Length:	42.02				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38554

DST#: 1

ATTN: Jim Baird

Test Start: 2010.04.22 @ 21:18:15

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:

60000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	60'GP	0.000
540.00	Water	6.482
240.00	Water w/show of oil	3.367
120.00	SOCMW 1%O20%M79%W	1.683

Total Length: 900.00 ft

Total Volume: 11.532 bbl

Num Fluid Samples: 0

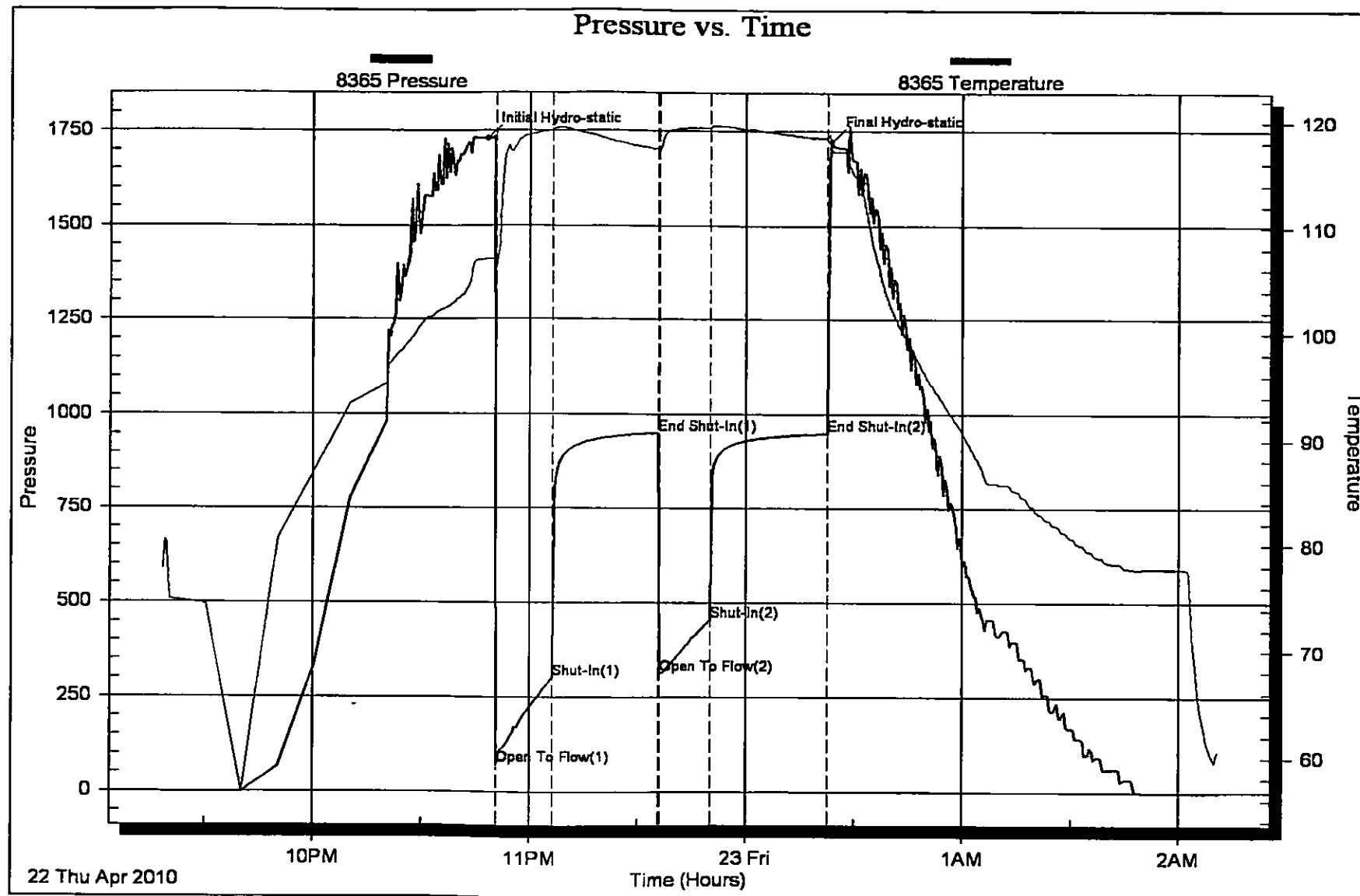
Num Gas Bombs: 0

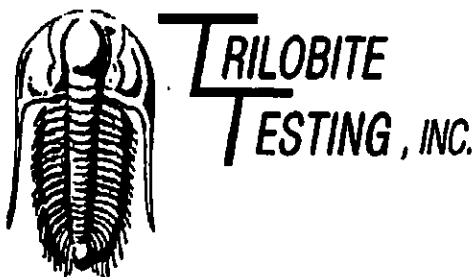
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .12 @ 73F





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

1-7s-22w Graham KS

David Worcester #1-1

Start Date: 2010.04.23 @ 07:57:04

End Date: 2010.04.23 @ 12:31:28

Job Ticket #: 38555 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

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

David Worcester #1-1

1-7s-22w Graham KS

Job Ticket: 38555

DST#: 2

Test Start: 2010.04.23 @ 07:57:04

GENERAL INFORMATION:

Formation: LKC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:10:29

Time Test Ended: 12:31:28

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3545.00 ft (KB) To 3562.00 ft (KB) (TVD)

Total Depth: 3562.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2266.00 ft (KB)

2261.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 602.31 psig @ 3546.01 ft (KB)

Start Date: 2010.04.23

End Date:

2010.04.23

Start Time: 07:57:04

End Time:

12:31:28

Capacity: 8000.00 psig

Last Calib.: 2010.04.23

Time On Btm: 2010.04.23 @ 09:08:59

Time Off Btm: 2010.04.23 @ 10:43:59

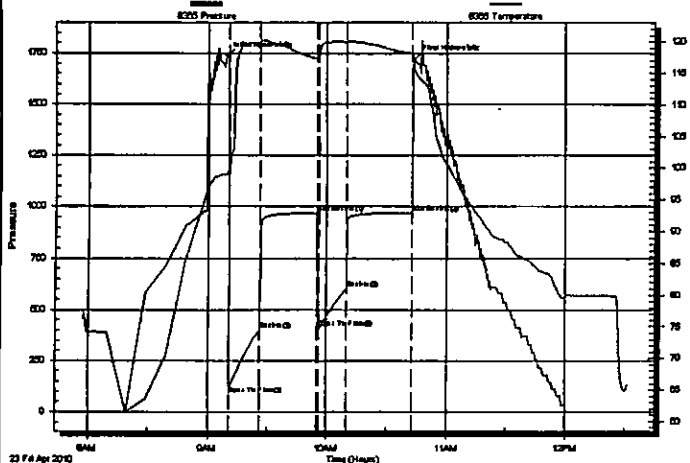
TEST COMMENT: IFP-strg bl in 2min

FFP-strg bl in 3min

Times 15-30-15-30

ISIP-surface bl bk, FSIP-surface bl bk

Pressure vs. Time



PRESSURE SUMMARY

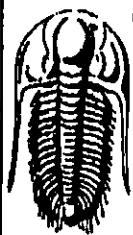
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.64	99.05	Initial Hydro-static
2	85.22	99.85	Open To Flow (1)
17	400.06	119.95	Shut-In(1)
47	970.77	117.36	End Shut-In(1)
48	411.53	117.91	Open To Flow (2)
62	602.31	119.95	Shut-In(2)
94	970.52	118.24	End Shut-In(2)
95	1721.13	115.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	60'GIP	0.00
120.00	SOCMW 1%O30%M69%W	0.59
1080.00	Water	15.15

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 LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38555

DST#: 2

ATTN: Jim Baird

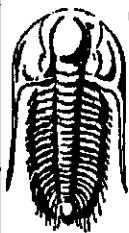
Test Start: 2010.04.23 @ 07:57:04

Tool Information

Drill Pipe:	Length: 3419.00 ft	Diameter: 3.80 inches	Volume: 47.96 bbl	Tool Weight: 2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 48.55 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3545.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.02 ft			
Tool Length:	38.02 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			3525.00	
Shut In Tool	5.00			3530.00	
Hydraulic tool	5.00			3535.00	
Packer	5.00			3540.00	21.00 Bottom Of Top Packer
Packer	5.00			3545.00	
Stubb	1.00			3546.00	
Recorder	0.01	8365	Inside	3546.01	
Recorder	0.01	6625	Outside	3546.02	
Perforations	13.00			3559.02	
Bullnose	3.00			3562.02	17.02 Bottom Packers & Anchor
Total Tool Length:	38.02				



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TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38555

DST#: 2

ATTN: Jim Baird

Test Start: 2010.04.23 @ 07:57:04

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:

77000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbt

Water Loss: 6.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbt
0.00	60'GIP	0.000
120.00	SOCMW 1%O30%M69%W	0.590
1080.00	Water	15.150

Total Length: 1200.00 ft

Total Volume: 15.740 bbt

Num Fluid Samples: 0

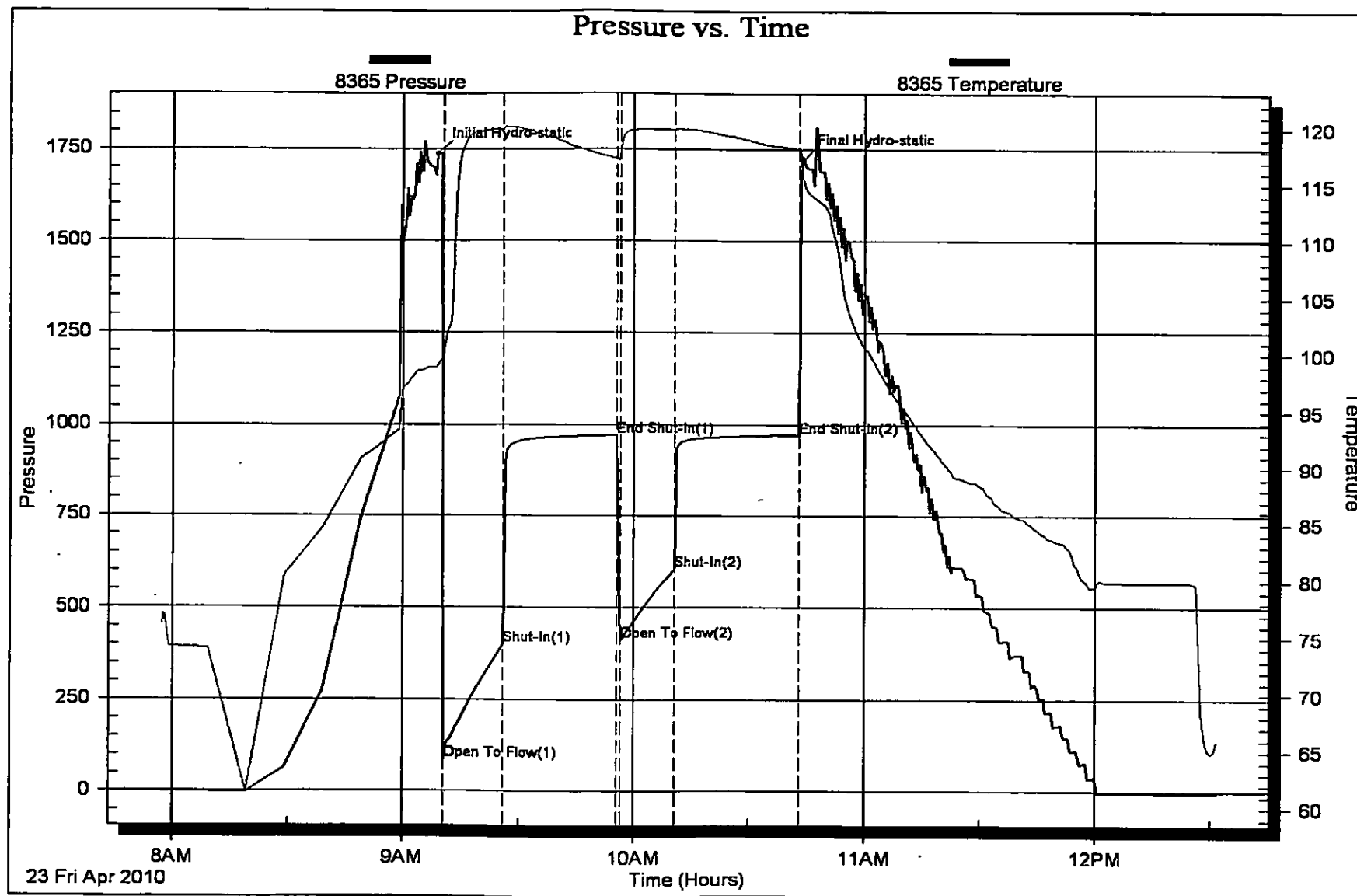
Num Gas Bombs: 0

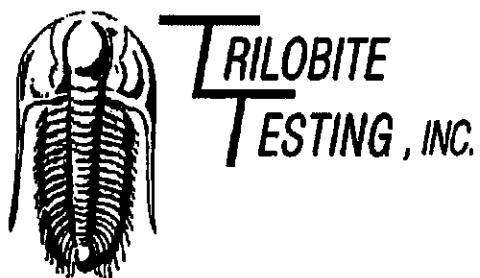
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .08 @ 76F





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

1-7s-22w Graham KS

David Worcester #1-1

Start Date: 2010.04.23 @ 17:28:58

End Date: 2010.04.23 @ 22:53:22

Job Ticket #: 38556 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

David Worcester #1-1

1-7s-22w Graham KS

Job Ticket: 38556

DST#: 3

Test Start: 2010.04.23 @ 17:28:58

GENERAL INFORMATION:

Formation: LKC "F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:52:23

Time Test Ended: 22:53:22

Interval: 3562.00 ft (KB) To 3582.00 ft (KB) (TVD)

Total Depth: 3582.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 2266.00 ft (KB)

2261.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 532.25 psig @ 3563.01 ft (KB)

Start Date: 2010.04.23

End Date:

2010.04.23

Start Time: 17:28:58

End Time:

22:53:22

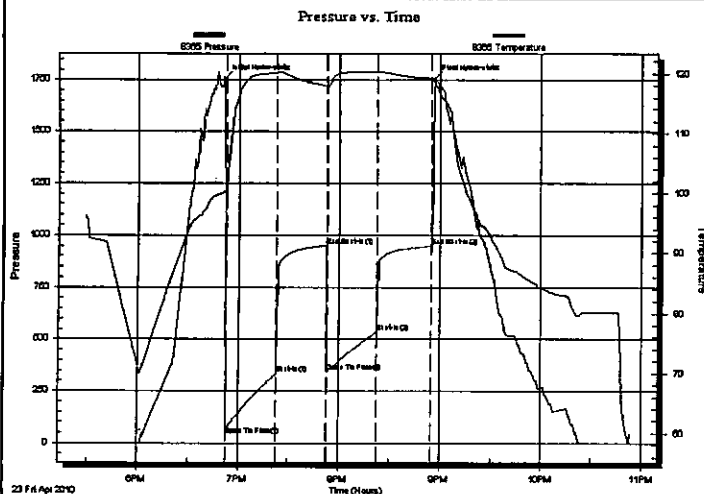
Capacity: 8000.00 psig

Last Calib.: 2010.04.23

Time On Btm: 2010.04.23 @ 18:51:23

Time Off Btm: 2010.04.23 @ 20:56:23

TEST COMMENT: IFP-strg bl in 4 min
FFP-strg bl 7 min
Times 30-30-30-30
ISIP-surface bl bk, FSIP-surface bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.14	100.30	Initial Hydro-static
1	35.66	100.08	Open To Flow (1)
31	333.57	120.13	Shut-In(1)
62	948.63	118.02	End Shut-In(1)
62	342.62	117.79	Open To Flow (2)
91	532.25	120.25	Shut-In(2)
124	947.69	119.23	End Shut-In(2)
125	1754.31	118.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	CO	0.02
160.00	SOCMW 2%O25%M73%W	1.20
240.00	Water w/show of oil	3.37
720.00	Water	10.10

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 LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38556

DST#: 3

ATTN: Jim Baird

Test Start: 2010.04.23 @ 17:28:58

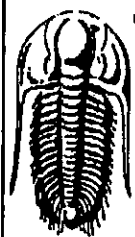
Tool Information

Drill Pipe:	Length: 3446.00 ft	Diameter: 3.80 inches	Volume: 48.34 bbl	Tool Weight:	2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	48.93 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3562.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.02 ft				
Tool Length:	41.02 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			3542.00	
Shut In Tool	5.00			3547.00	
Hydraulic tool	5.00			3552.00	
Packer	5.00			3557.00	21.00 Bottom Of Top Packer
Packer	5.00			3562.00	
Stubb	1.00			3563.00	
Recorder	0.01	8365	Inside	3563.01	
Recorder	0.01	6625	Outside	3563.02	
Perforations	16.00			3579.02	
Bullnose	3.00			3582.02	20.02 Bottom Packers & Anchor
Total Tool Length:	41.02				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38556

DST#: 3

ATTN: Jim Baird

Test Start: 2010.04.23 @ 17:28:58

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:

42000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	CO	0.025
160.00	SOCMV 2% O25% M73% W	1.197
240.00	Water w/show of oil	3.367
720.00	Water	10.100

Total Length: 1125.00 ft

Total Volume:

14.689 bbl

Num Fluid Samples: 0

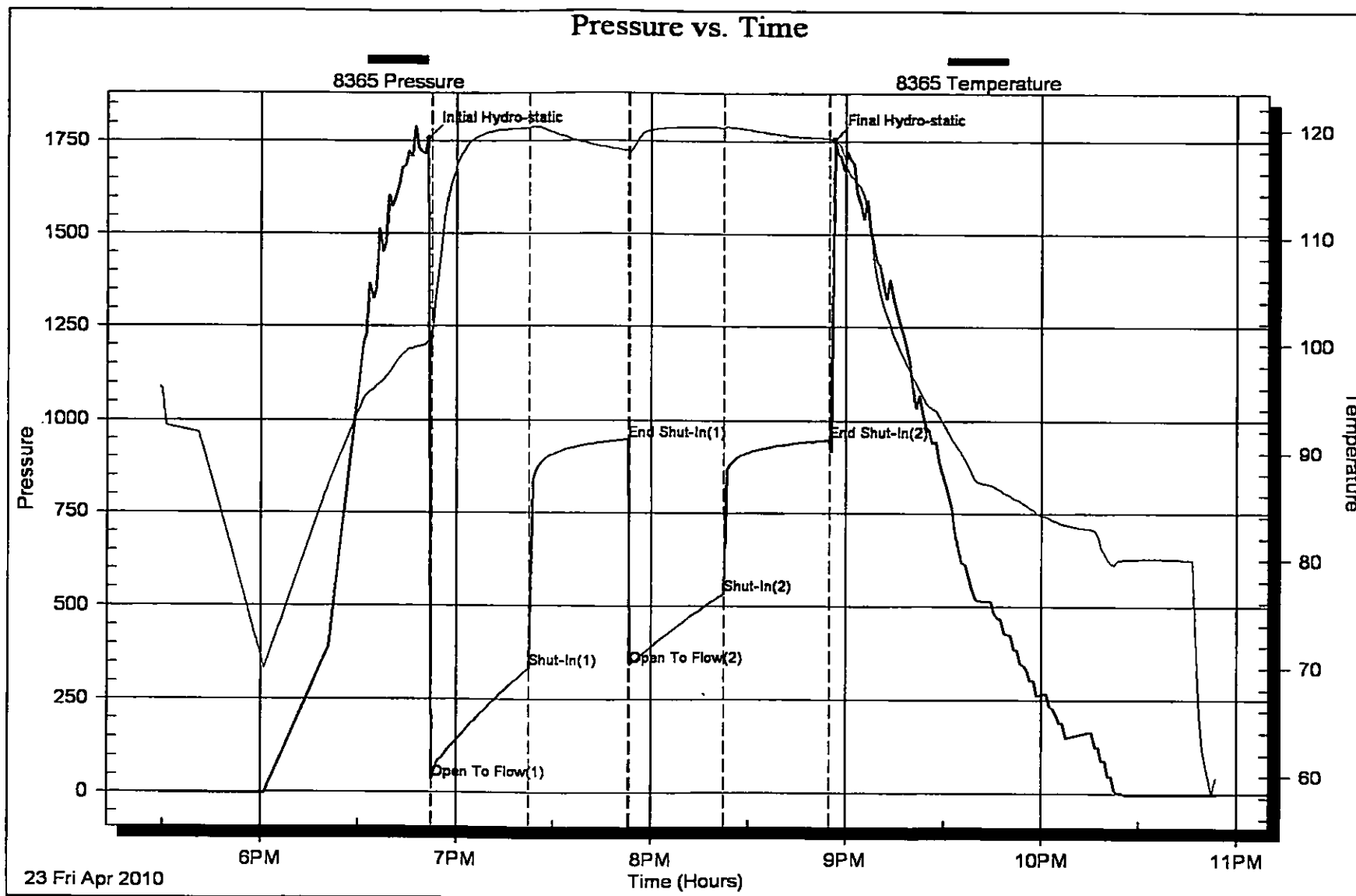
Num Gas Bombs: 0

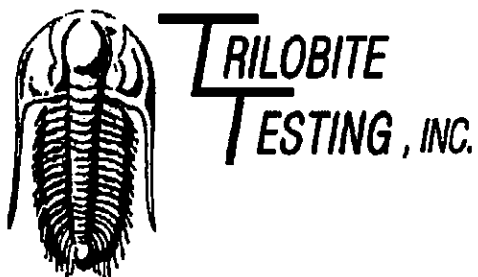
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.16 @ 76F





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

1-7s-22w Graham KS

David Worcester #1-1

Start Date: 2010.04.24 @ 08:07:47

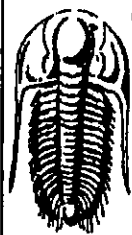
End Date: 2010.04.24 @ 11:50:42

Job Ticket #: 38557 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

David Worcester #1-1

1-7s-22w Graham KS

Job Ticket: 38557

DST#: 4

Test Start: 2010.04.24 @ 08:07:47

GENERAL INFORMATION:

Formation: LKC "J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:27:12

Time Test Ended: 11:50:42

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3658.00 ft (KB) To 3670.00 ft (KB) (TVD)

Total Depth: 3670.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2266.00 ft (KB)

2261.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 12.86 psig @ 3659.01 ft (KB)

Start Date: 2010.04.24

End Date:

2010.04.24

Start Time: 08:07:47

End Time:

11:50:42

Capacity: 8000.00 psig

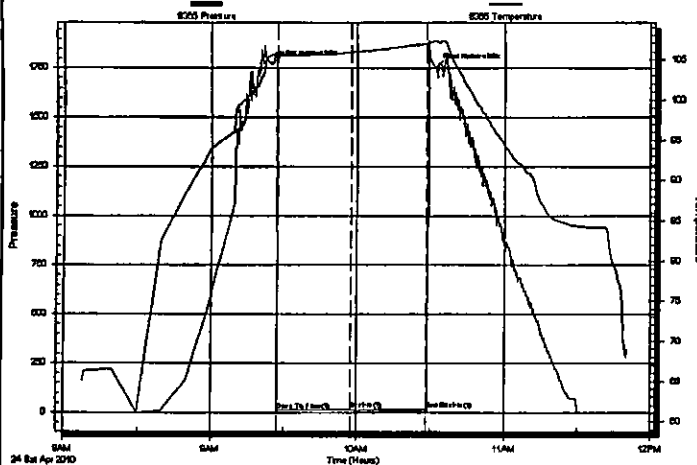
Last Calib.: 2010.04.24

Time On Btm: 2010.04.24 @ 09:24:42

Time Off Btm: 2010.04.24 @ 10:31:42

TEST COMMENT: IFP-surface bl, died in 20min
Times 30-30-out

Pressure vs. Time



PRESSURE SUMMARY

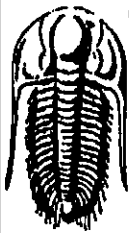
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1771.68	105.54	Initial Hydro-static
3	12.05	105.08	Open To Flow (1)
33	12.86	105.91	Shut-In(1)
64	13.36	106.95	End Shut-In(1)
67	1755.54	107.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Recovery	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 LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38557

DST#: 4

ATTN: Jim Baird

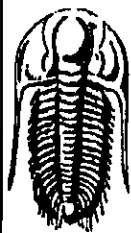
Test Start: 2010.04.24 @ 08:07:47

Tool Information

Drill Pipe:	Length: 3532.00 ft	Diameter: 3.80 inches	Volume: 49.54 bbl	Tool Weight: 2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 50.13 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3658.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.02 ft			
Tool Length:	33.02 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			3638.00	
Shut In Tool	5.00			3643.00	
Hydraulic tool	5.00			3648.00	
Packer	5.00			3653.00	21.00 Bottom Of Top Packer
Packer	5.00			3658.00	
Stubb	1.00			3659.00	
Recorder	0.01	8365	Inside	3659.01	
Recorder	0.01	6625	Outside	3659.02	
Perforations	8.00			3667.02	
Bullnose	3.00			3670.02	12.02 Bottom Packers & Anchor
Total Tool Length:	33.02				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38557

DST#: 4

ATTN: Jim Baird

Test Start: 2010.04.24 @ 08:07:47

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: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Recovery	0.000

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

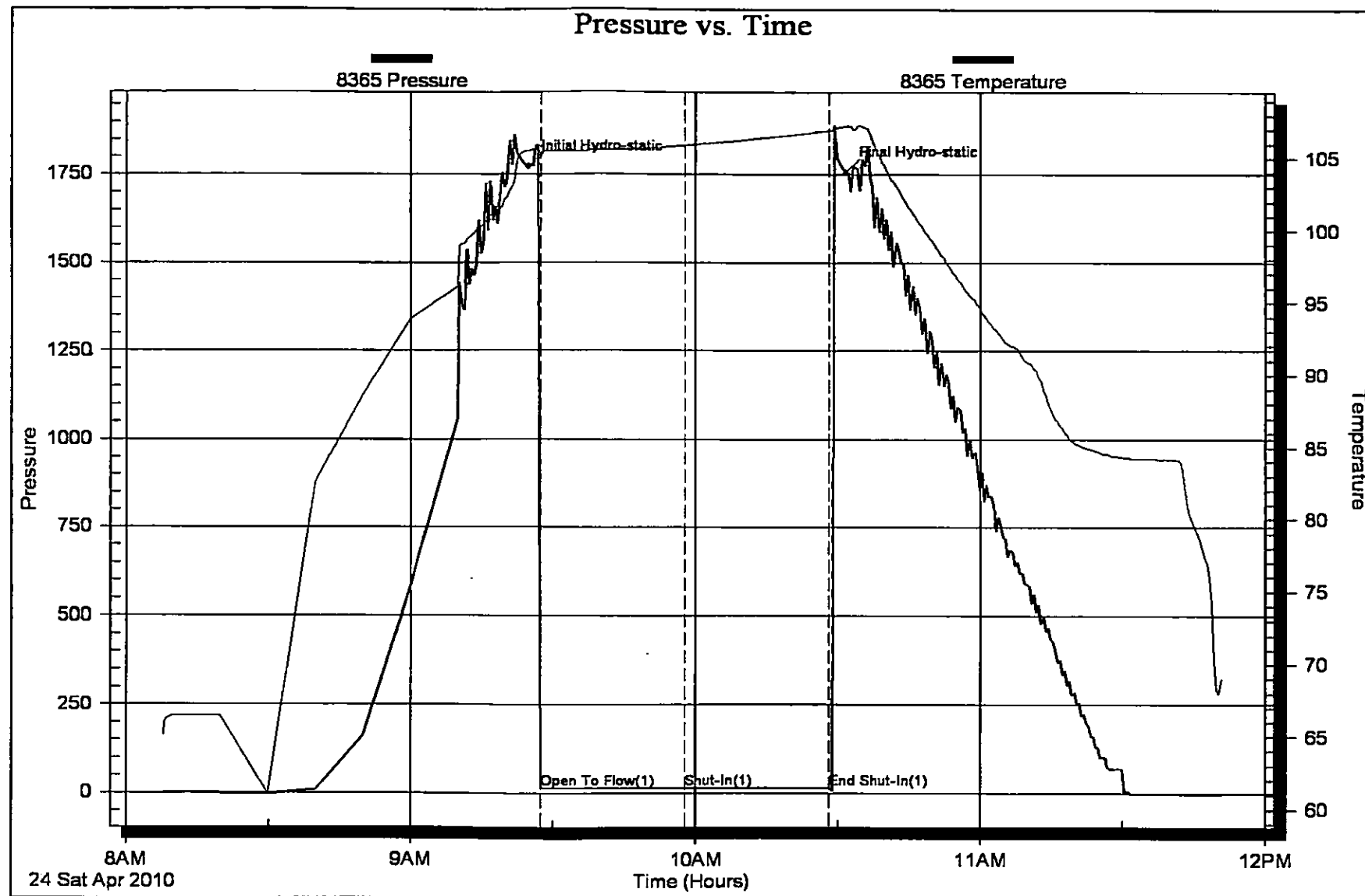
Num Gas Bombs: 0

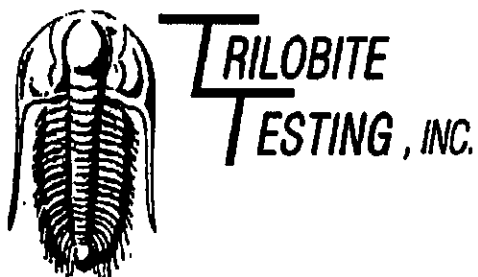
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

1-7s-22w Graham KS

David Worcester #1-1

Start Date: 2010.04.25 @ 03:34:05

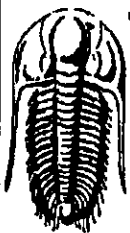
End Date: 2010.04.25 @ 07:47:30

Job Ticket #: 38558 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

David Worcester #1-1

1-7s-22w Graham KS

Job Ticket: 38558

DST#: 5

Test Start: 2010.04.25 @ 03:34:05

GENERAL INFORMATION:

Formation: **Congl Sd**

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

Time Tool Opened: 04:58:30

Time Test Ended: 07:47:30

Test Type: **Conventional Straddle**

Tester: **Ray Schwager**

Unit No: **42**

Interval: **3743.00 ft (KB) To 3764.00 ft (KB) (TVD)**

Total Depth: **3822.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2266.00 ft (KB)**

2261.00 ft (CF)

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

Serial #: **8365** Inside

Press@RunDepth: **59.67 psig @ 3744.01 ft (KB)**

Start Date: **2010.04.25**

End Date: **2010.04.25**

Start Time: **03:34:05**

End Time: **07:47:30**

Capacity: **8000.00 psig**

Last Calib.: **2010.04.25**

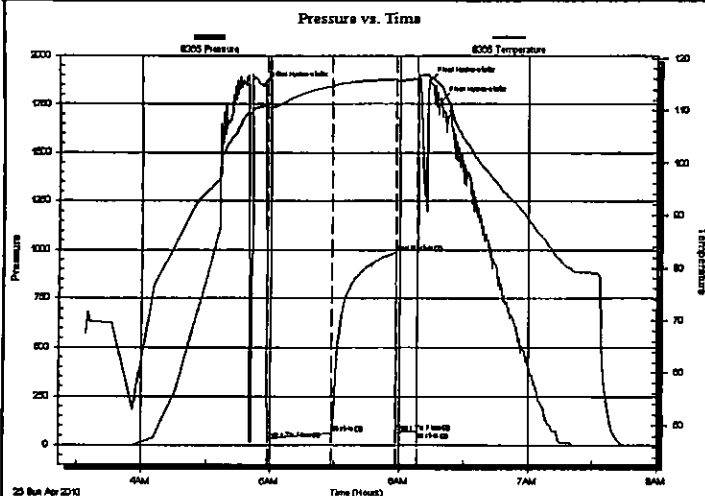
Time On Btm: **2010.04.25 @ 04:56:00**

Time Off Btm: **2010.04.25 @ 06:14:00**

TEST COMMENT: **IFP-surface bl thru-out**

FFP-no bl

Times 30-30-10-out



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1849.24	110.76	Initial Hydro-static
3	27.57	110.46	Open To Flow (1)
33	59.67	114.72	Shut-In(1)
62	987.39	115.98	End Shut-In(1)
63	64.02	115.51	Open To Flow (2)
72	69.09	116.05	Shut-In(2)
78	1871.73	116.48	Final Hydro-static
83	1773.15	114.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	SOCM 1%O99%M	0.34

Gas Rates

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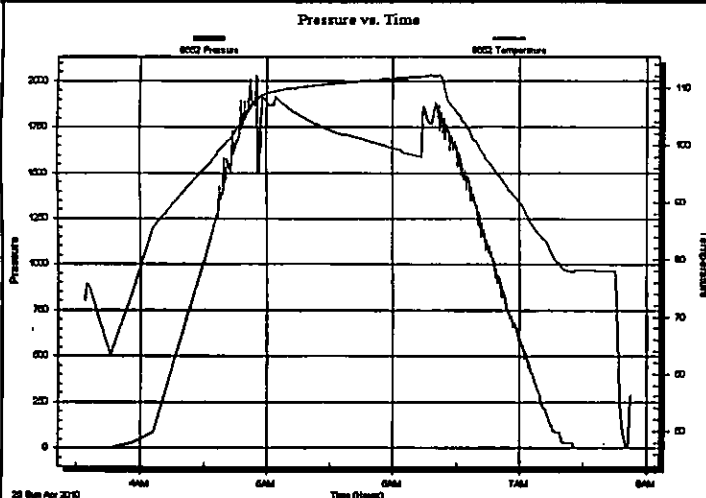


Test Start: 2010.04.25 @ 03:34:05

KB to GR/CF: 5.00 ft

Time Off Btrnc

TEST COMMENT: IFP-surface bl thru-out
FFP-no bl
Times 30-30-10-out



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery		
Length (ft)	Description	Volume (bbl)
70.00	SOCM 1%O99%M	0.34

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38558

DST#: 5

ATTN: Jim Baird

Test Start: 2010.04.25 @ 03:34:05

Tool Information

Drill Pipe:	Length:	3607.00 ft	Diameter:	3.80 inches	Volume:	50.60 bbl	Tool Weight:	2200.00 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:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	55000.00 lb	
					Total Volume:	51.19 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	5.00 ft							String Weight: Initial	42000.00 lb
Depth to Top Packer:	3743.00 ft							Final	42000.00 lb
Depth to Bottom Packer:	3764.02 ft								
Interval between Packers:	21.02 ft								
Tool Length:	104.03 ft								
Number of Packers:	3			Diameter:	6.75 inches				
Tool Comments:									

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3723.00		
Shut In Tool	5.00			3728.00		
Hydraulic tool	5.00			3733.00		
Packer	5.00			3738.00	21.00	Bottom Of Top Packer
Packer	5.00			3743.00		
Stubb	1.00			3744.00		
Recorder	0.01	8365	Inside	3744.01		
Recorder	0.01	6625	Outside	3744.02		
Perforations	16.00			3760.02		
Blank Off Sub	1.00			3761.02		
Blank Spacing	3.00			3764.02	21.02	Tool Interval
Packer	5.00			3769.02		
Stubb	1.00			3770.02		
Perforations	21.00			3791.02		
Recorder	0.01	8652	Below	3791.03		
Blank Spacing	32.00			3823.03		
Bullnose	3.00			3826.03	62.01	Bottom Packers & Anchor
Total Tool Length:	104.03					



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

David Worcester #1-1

PO Box 428
Logan KS 67646

1-7s-22w Graham KS

Job Ticket: 38558

DST#: 6

ATTN: Jim Baird

Test Start: 2010.04.25 @ 03:34:05

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:

bbl

Water Loss: 6.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	SOCM 1%O99%M	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

