



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell

Esslinger Ranch 2-26

26-3s-22w Norton,KS

Start Date: 2012.04.21 @ 16:33:00

End Date: 2012.04.21 @ 21:46:15

Job Ticket #: 46122 DST #: 1

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

Printed: 2012.05.03 @ 10:21:57

Baird Oil Company, LLC. 26-3s-22w Norton,KS Esslinger Ranch 2-26 DST # 1 LKC "A" 2012.04.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

ATTN: Rich Bell

Job Ticket: 46122

DST#: 1

Test Start: 2012.04.21 @ 16:33:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:42:45

Time Test Ended: 21:46:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3539.00 ft (KB) To 3560.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3560.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 23.16 psig @ 3540.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.21

End Date:

2012.04.21

Last Calib.:

2012.04.21

Start Time: 16:33:05

End Time:

21:46:14

Time On Btm:

2012.04.21 @ 18:42:00

Time Off Btm:

2012.04.21 @ 20:20:45

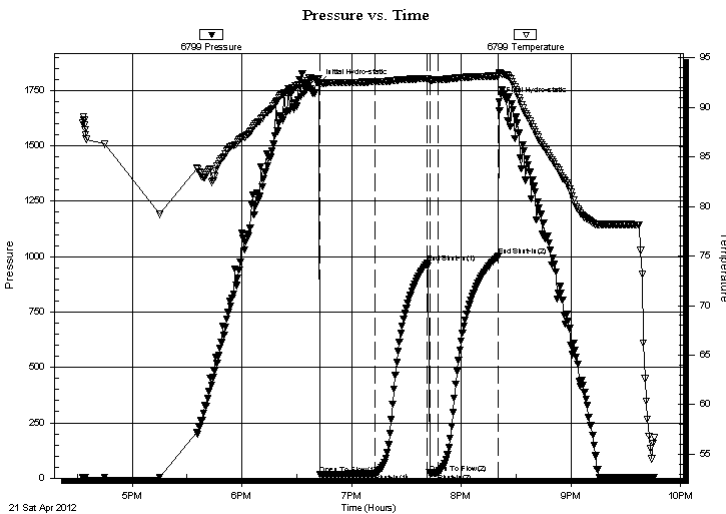
TEST COMMENT: 30- IF- Weak Surface blow built to 1/8" then died back to weak surface

30- IS- No Return

5- FF- No Blow

30- FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1779.66	92.88	Initial Hydro-static
1	16.31	92.42	Open To Flow (1)
31	19.85	92.59	Shut-In(1)
60	971.58	92.91	End Shut-In(1)
61	23.07	92.72	Open To Flow (2)
66	23.16	92.80	Shut-In(2)
99	1001.38	93.17	End Shut-In(2)
99	1698.18	93.43	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
5.00	OS100M (oil spots)	0.02

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



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DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46122

DST#: 1

ATTN: Rich Bell

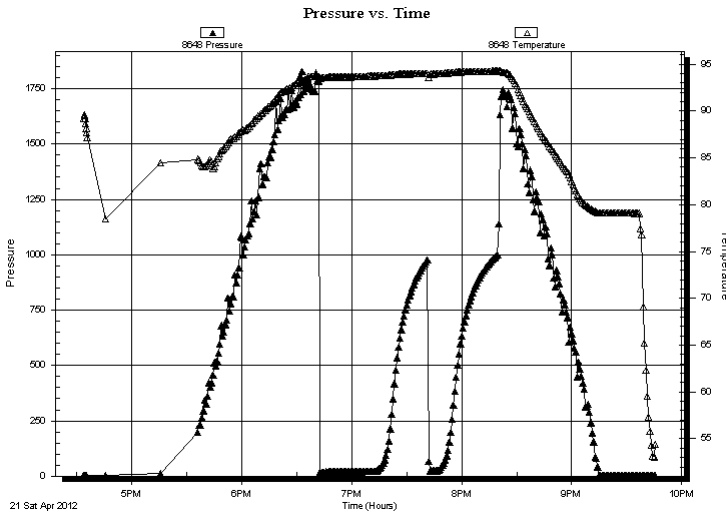
Test Start: 2012.04.21 @ 16:33:00

GENERAL INFORMATION:

Formation: **LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:42:45
 Time Test Ended: 21:46:15
 Interval: **3539.00 ft (KB) To 3560.00 ft (KB) (TVD)**
 Total Depth: 3560.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Mack
 Unit No: 43
 Reference Elevations: 2309.00 ft (KB)
 2304.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8648 Inside
 Press @ Run Depth: psig @ 3540.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.21 End Date: 2012.04.21 Last Calib.: 2012.04.21
 Start Time: 16:33:50 End Time: 21:45:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- Weak Surface blow built to 1/8" then died back to weak surface
 30- IS- No Return
 5- FF- No Blow
 30- FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OS100M (oil spots)	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46122

DST#: 1

ATTN: Rich Bell

Test Start: 2012.04.21 @ 16:33:00

Tool Information

Drill Pipe:	Length: 3431.00 ft	Diameter: 3.80 inches	Volume: 48.13 bbl	Tool Weight: 2000.00 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: 54000.00 lb
			<u>Total Volume: 48.72 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3539.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	42.00 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			3519.00	
Shut In Tool	5.00			3524.00	
Hydraulic tool	5.00			3529.00	
Packer	5.00			3534.00	21.00 Bottom Of Top Packer
Packer	5.00			3539.00	
Stubb	1.00			3540.00	
Recorder	0.00	8648	Inside	3540.00	
Recorder	0.00	6799	Inside	3540.00	
Perforations	15.00			3555.00	
Bullnose	5.00			3560.00	21.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46122

DST#: 1

ATTN: Rich Bell

Test Start: 2012.04.21 @ 16:33:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OS100M (oil spots)	0.025

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:

Serial #: 6799

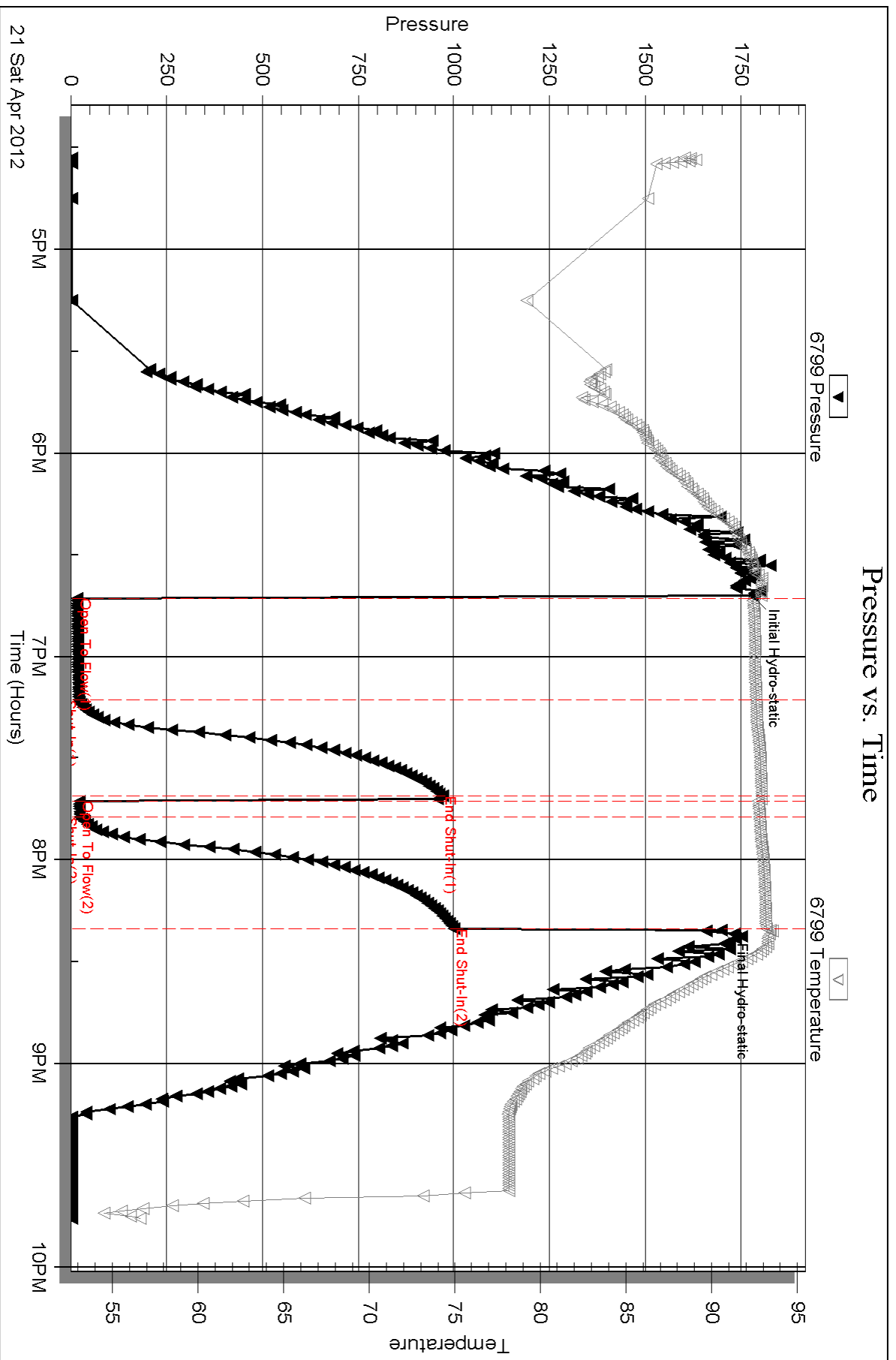
Inside

Baird Oil Company, LLC.

Esslinger Ranch 2-26

DST Test Number: 1

Pressure vs. Time



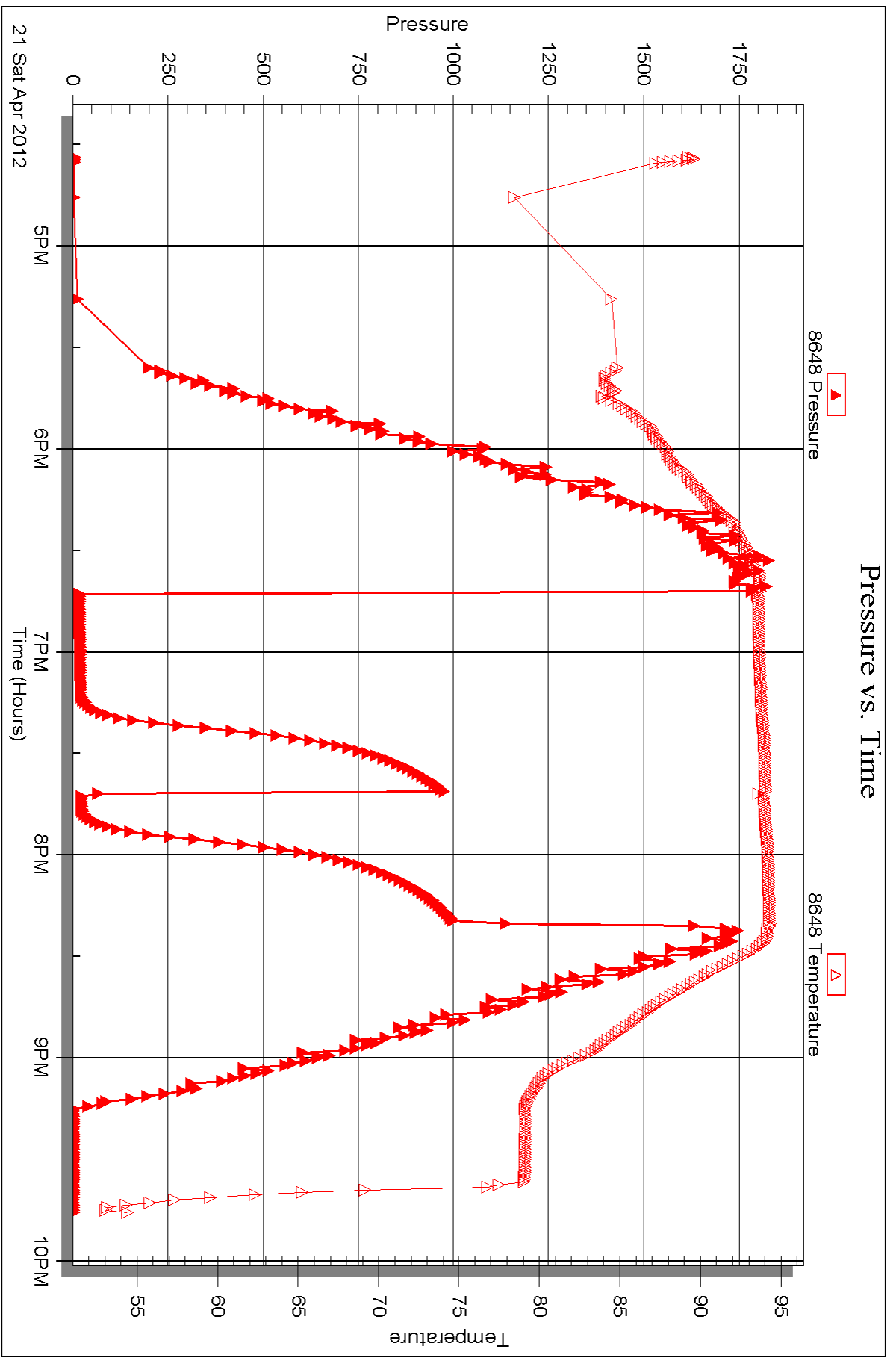
Serial #: 8648

Inside

Baird Oil Company, LLC.

Esslinger Ranch 2-26

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46122

Printed: 2012.05.03 @ 10:22:00



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell

Esslinger Ranch 2-26

26-3s-22w Norton,KS

Start Date: 2012.04.22 @ 05:14:00

End Date: 2012.04.22 @ 09:27:15

Job Ticket #: 46123 DST #: 2

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

Printed: 2012.05.03 @ 10:19:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

ATTN: Rich Bell

Job Ticket: 46123

DST#: 2

Test Start: 2012.04.22 @ 05:14:00

GENERAL INFORMATION:

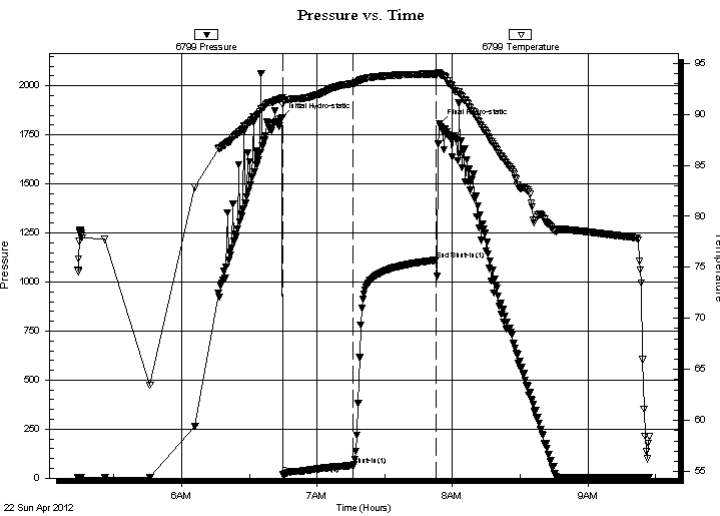
Formation: **LKC "D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:44:45
 Time Test Ended: 09:27:15
 Interval: **3588.00 ft (KB) To 3608.00 ft (KB) (TVD)**
 Total Depth: 3608.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Mack
 Unit No: 43
 Reference Elevations: 2309.00 ft (KB)
 2304.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 64.99 psig @ 3589.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.22 End Date: 2012.04.22 Last Calib.: 2012.04.22
 Start Time: 05:14:05 End Time: 09:27:15 Time On Btm: 2012.04.22 @ 06:44:30
 Time Off Btm: 2012.04.22 @ 07:54:15

TEST COMMENT: 30 - IF- Weak Surface blow died at 20 min.
 30 - IS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1836.59	91.57	Initial Hydro-static
1	17.74	90.96	Open To Flow (1)
32	64.99	93.01	Shut-In(1)
69	1111.65	93.95	End Shut-In(1)
70	1806.83	93.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Free Oil 100o	0.30
60.00	OSMW	0.30

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

ATTN: Rich Bell

Job Ticket: 46123 **DST#: 2**

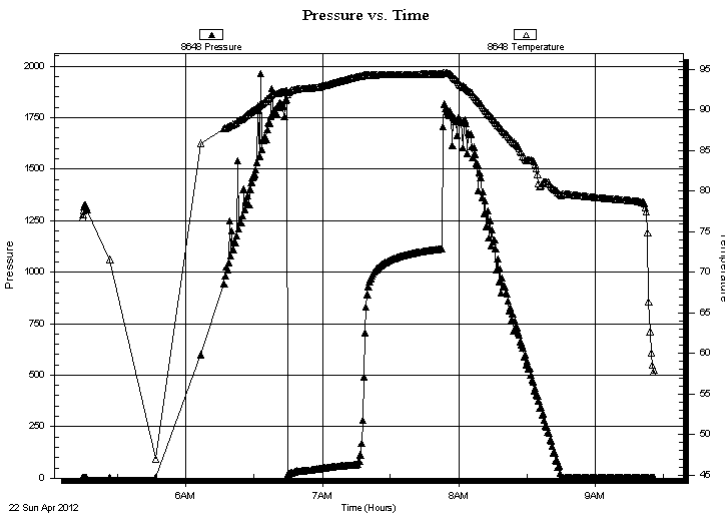
Test Start: 2012.04.22 @ 05:14:00

GENERAL INFORMATION:

Formation: LKC "D"		Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock:	ft (KB)	Tester: Kevin Mack
Time Tool Opened: 06:44:45		Unit No: 43
Time Test Ended: 09:27:15		Reference Elevations: 2309.00 ft (KB)
Interval: 3588.00 ft (KB) To 3608.00 ft (KB) (TVD)		2304.00 ft (CF)
Total Depth: 3608.00 ft (KB) (TVD)		KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good	

Serial #: 8648	Inside				
Press @ Run Depth:	psig @	3589.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2012.04.22	End Date:	2012.04.22	Last Calib.:	1899.12.30
Start Time:	05:14:35	End Time:	09:26:30	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30 - IF- Weak Surface blow died at 20 min.
30 - IS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Free Oil 100o	0.30
60.00	OSMW	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46123

DST#: 2

ATTN: Rich Bell

Test Start: 2012.04.22 @ 05:14:00

Tool Information

Drill Pipe:	Length: 3467.00 ft	Diameter: 3.80 inches	Volume: 48.63 bbl	Tool Weight: 2000.00 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
			<u>Total Volume: 49.22 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3588.00 ft			Final 50000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3568.00	
Shut In Tool	5.00			3573.00	
Hydraulic tool	5.00			3578.00	
Packer	5.00			3583.00	21.00 Bottom Of Top Packer
Packer	5.00			3588.00	
Stubb	1.00			3589.00	
Recorder	0.00	8648	Inside	3589.00	
Recorder	0.00	6799	Inside	3589.00	
Perforations	14.00			3603.00	
Bullnose	5.00			3608.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46123

DST#: 2

ATTN: Rich Bell

Test Start: 2012.04.22 @ 05:14:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

22 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Free Oil 100o	0.295
60.00	OSMW	0.295

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

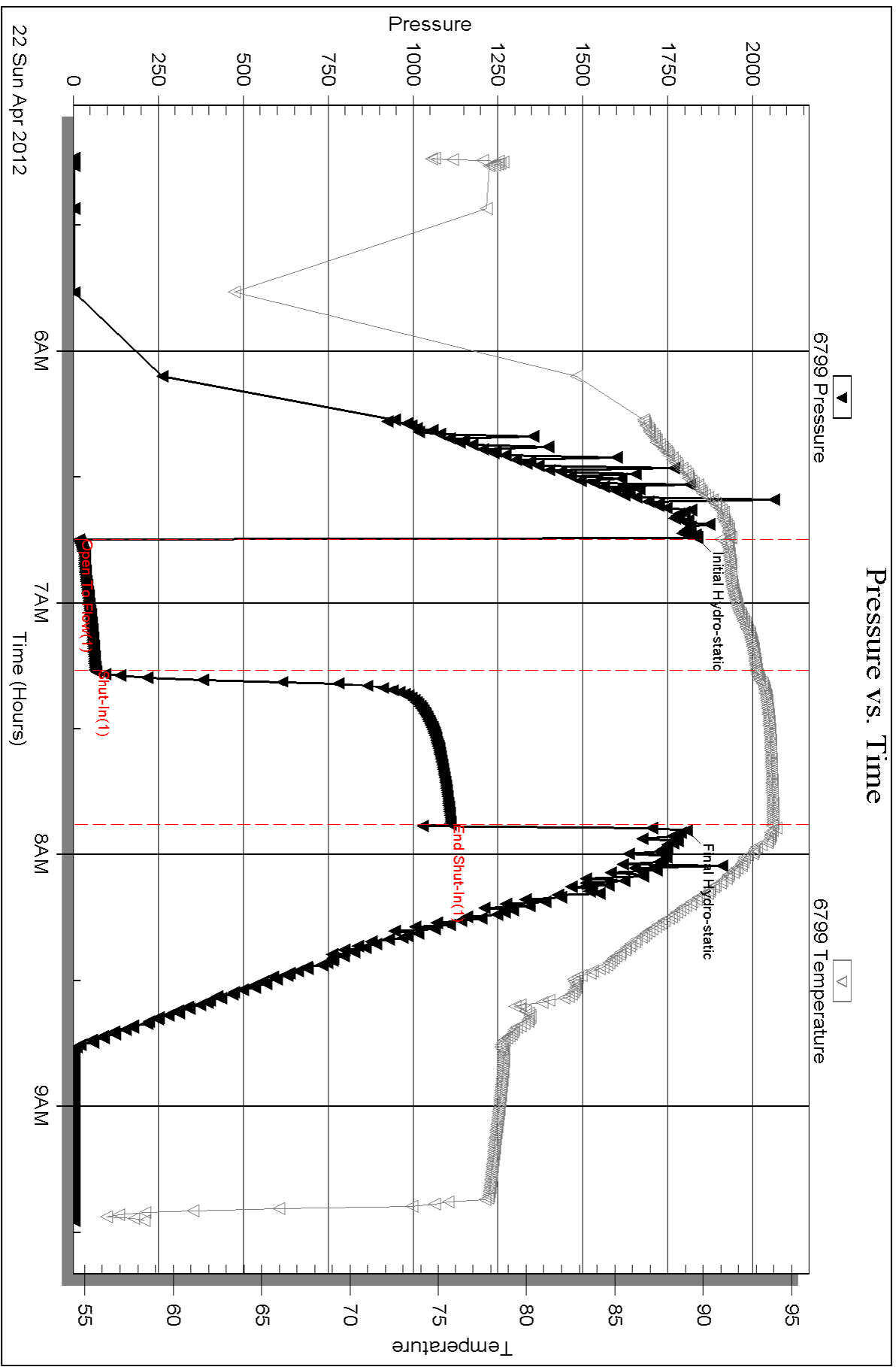
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 23 @ 70 deg = 22

RW .32 @ 67 deg = 22000 ppm



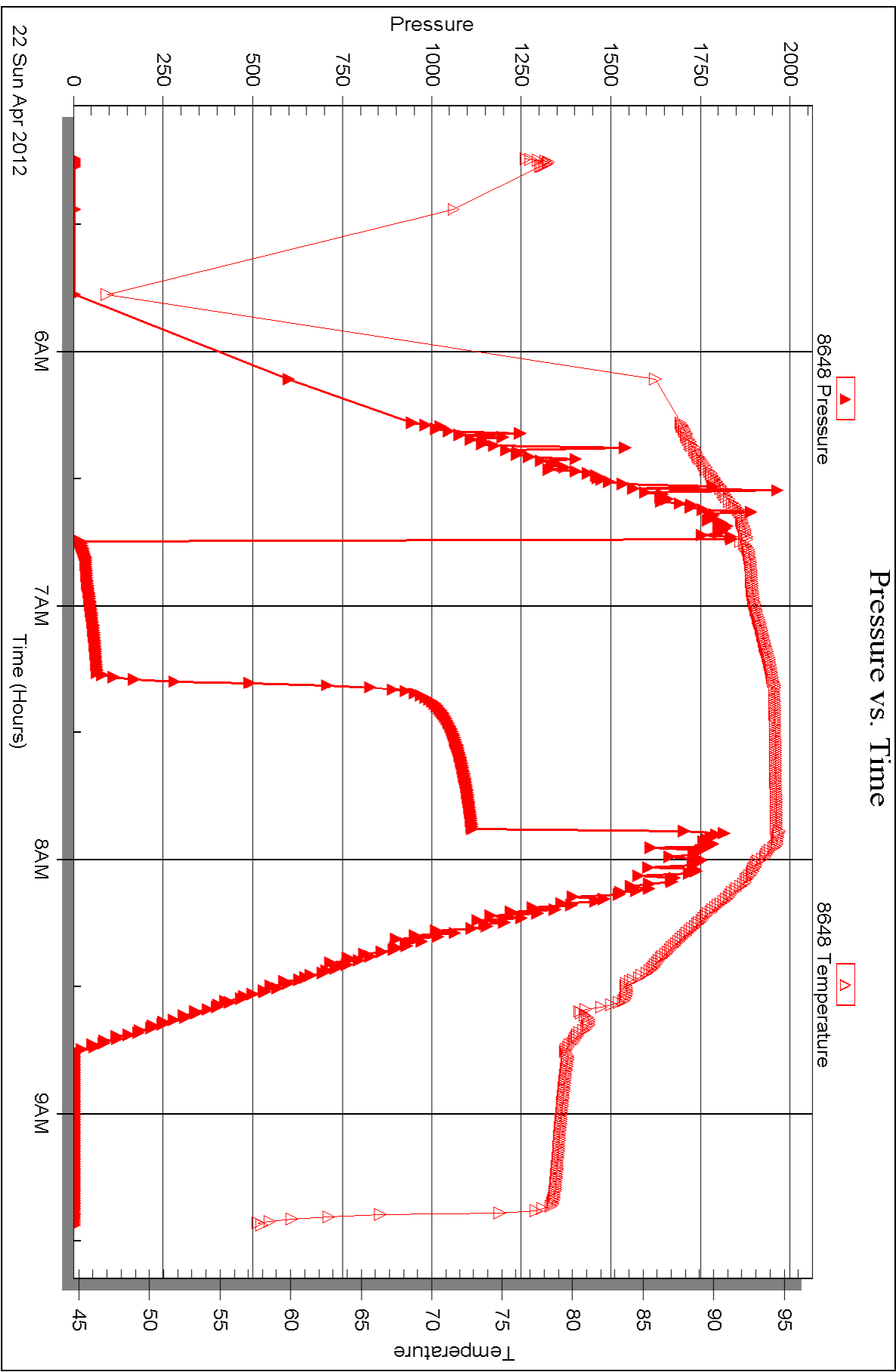
Serial #: 8648

Inside

Baird Oil Company, LLC.

Esslinger Ranch 2-26

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell

Esslinger Ranch 2-26

26-3s-22w Norton,KS

Start Date: 2012.04.22 @ 10:08:00

End Date: 2012.04.22 @ 16:13:15

Job Ticket #: 46124 DST #: 3

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

Printed: 2012.05.03 @ 10:18:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46124

DST#: 3

ATTN: Rich Bell

Test Start: 2012.04.22 @ 10:08:00

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:21:30

Time Test Ended: 16:13:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3588.00 ft (KB) To 3608.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3608.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press @ Run Depth: 93.05 psig @ 3589.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.22

End Date:

2012.04.22

Last Calib.:

2012.04.22

Start Time: 10:08:05

End Time:

16:13:14

Time On Btm:

2012.04.22 @ 11:21:15

Time Off Btm:

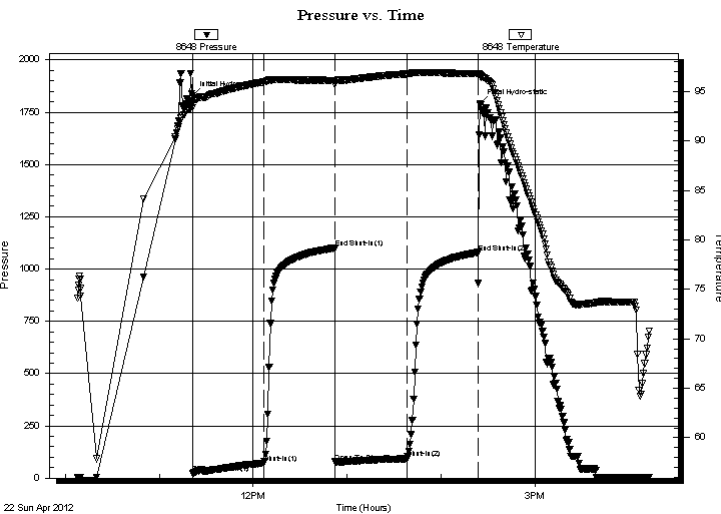
2012.04.22 @ 14:25:00

TEST COMMENT: 45 - IF- Surface Blow built to 7 1/2"

45 - IS- No Return

45 - FF- Surface Blow built to 6"

45 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1831.24	94.05	Initial Hydro-static
1	21.65	93.37	Open To Flow (1)
46	71.69	95.98	Shut-In(1)
91	1099.34	96.13	End Shut-In(1)
91	77.55	95.71	Open To Flow (2)
137	93.05	96.78	Shut-In(2)
183	1079.52	96.79	End Shut-In(2)
184	1792.12	96.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSMW 20M80 W (oil spots)	0.30
60.00	OSMW 30M 70W (oil spots)	0.30
60.00	Free oil 100o	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

113 W Main
Logan, KS 67646

ATTN: Rich Bell

26-3s-22w Norton, KS

Esslinger Ranch 2-26

Job Ticket: 46124

DST#: 3

Test Start: 2012.04.22 @ 10:08:00

GENERAL INFORMATION:

Formation: **LKC "D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:21:30
 Time Test Ended: 16:13:15

Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Mack
 Unit No: 43

Interval: 3588.00 ft (KB) To 3608.00 ft (KB) (TVD)
 Total Depth: 3608.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

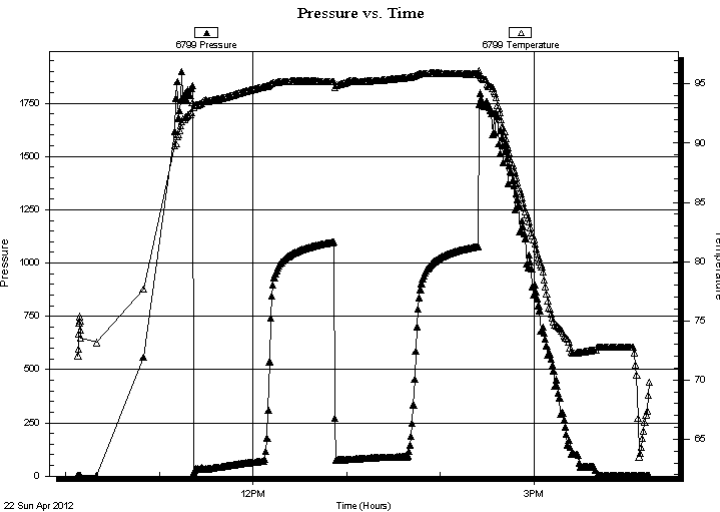
Reference Elevations: 2309.00 ft (KB)
 2304.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press @ RunDepth: psig @ 3589.00 ft (KB)
 Start Date: 2012.04.22 End Date: 2012.04.22
 Start Time: 10:07:35 End Time: 16:14:14

Capacity: 8000.00 psig
 Last Calib.: 2012.04.22
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45 - IF- Surface Blow built to 7 1/2"
 45 - IS- No Return
 45 - FF- Surface Blow built to 6"
 45 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSMW 20M80 W (oil spots)	0.30
60.00	OSMW 30M 70W (oil spots)	0.30
60.00	Free oil 100o	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46124

DST#: 3

ATTN: Rich Bell

Test Start: 2012.04.22 @ 10:08:00

Tool Information

Drill Pipe:	Length: 3467.00 ft	Diameter: 3.80 inches	Volume: 48.63 bbl	Tool Weight: 2000.00 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
			<u>Total Volume: 49.22 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3588.00 ft			Final 50000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3568.00	
Shut In Tool	5.00			3573.00	
Hydraulic tool	5.00			3578.00	
Packer	5.00			3583.00	21.00 Bottom Of Top Packer
Packer	5.00			3588.00	
Stubb	1.00			3589.00	
Recorder	0.00	8648	Inside	3589.00	
Recorder	0.00	6799	Inside	3589.00	
Perforations	14.00			3603.00	
Bullnose	5.00			3608.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46124

DST#: 3

ATTN: Rich Bell

Test Start: 2012.04.22 @ 10:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

22 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSMW 20M 80 W (oil spots)	0.295
60.00	OSMW 30M 70W (oil spots)	0.295
60.00	Free oil 100o	0.842

Total Length: 180.00 ft Total Volume: 1.432 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

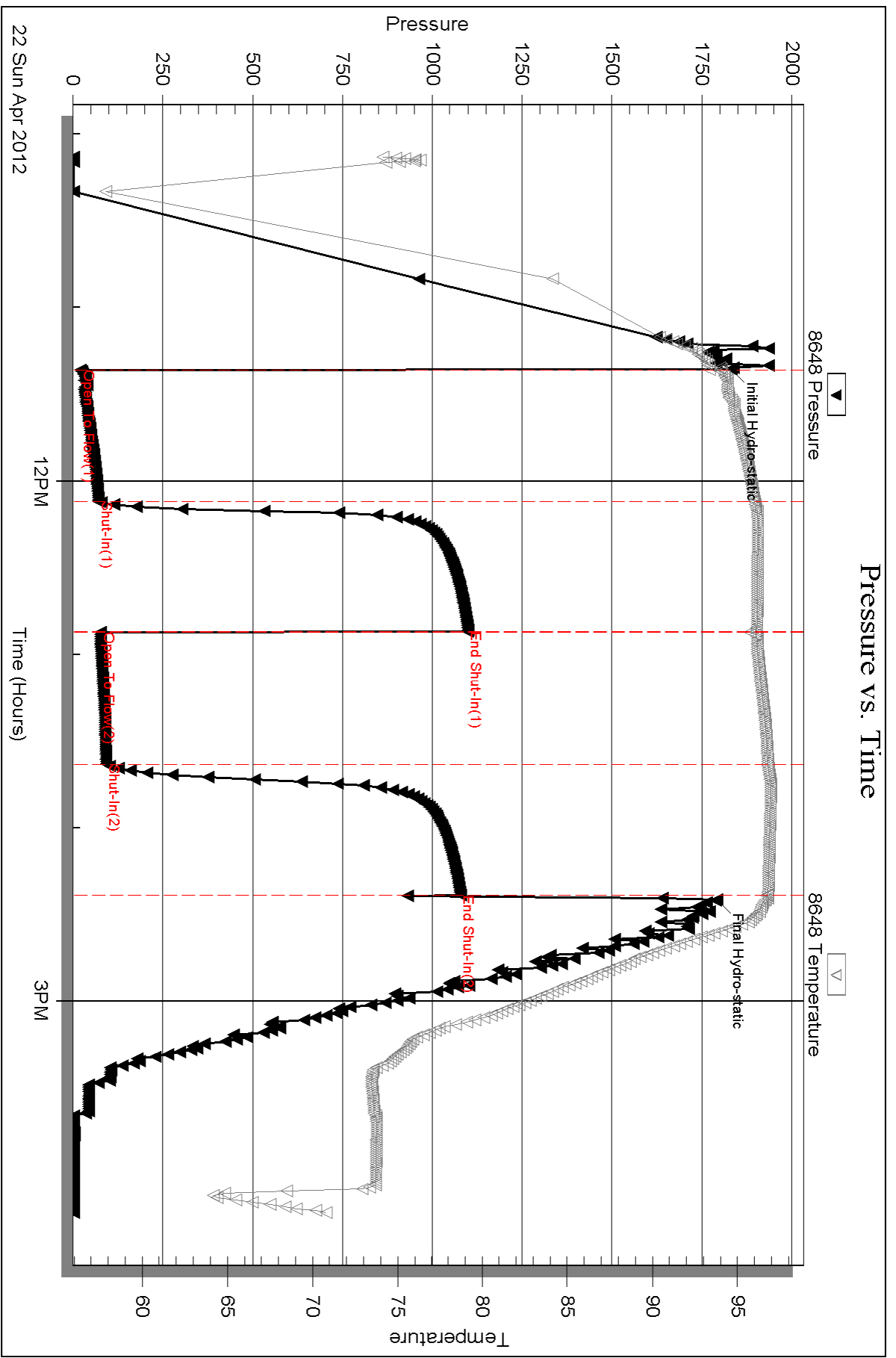
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 23 @ 70 deg= 22

RW .32 @ 67 deg. = 22000ppm



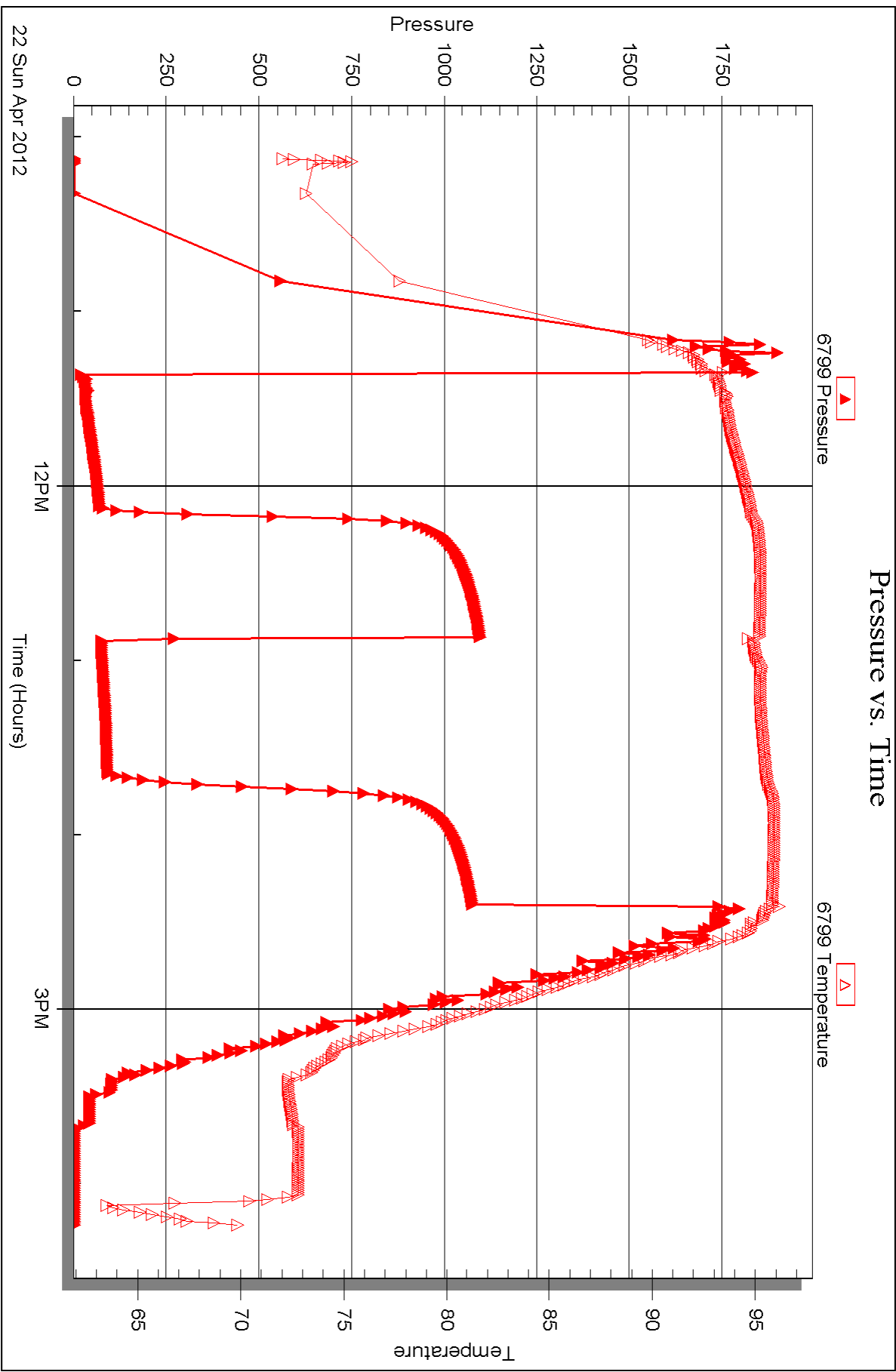
Serial #: 6799

Inside

Baird Oil Company, LLC.

Esslinger Ranch 2-26

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell

Esslinger Ranch 2-26

26-3s-22w Norton,KS

Start Date: 2012.04.22 @ 22:21:00

End Date: 2012.04.23 @ 03:16:15

Job Ticket #: 46125 DST #: 4

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

Printed: 2012.05.03 @ 10:17:15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

ATTN: Rich Bell

Job Ticket: 46125

DST#: 4

Test Start: 2012.04.22 @ 22:21:00

GENERAL INFORMATION:

Formation: **LKC "EF"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:57:15
 Time Test Ended: 03:16:15
 Interval: **3604.00 ft (KB) To 3628.00 ft (KB) (TVD)**
 Total Depth: 3628.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Mack
 Unit No: 43
 Reference Elevations: 2309.00 ft (KB)
 2304.00 ft (CF)
 KB to GR/CF: 5.00 ft

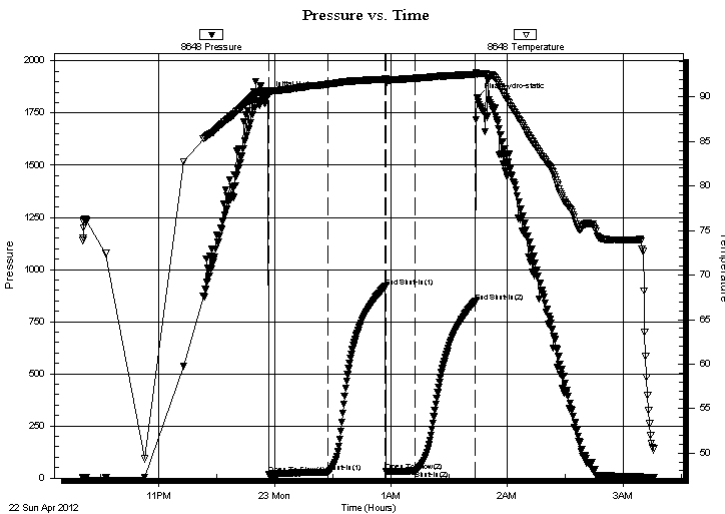
Serial #: 8648

Inside

Press @ Run Depth: 35.10 psig @ 3605.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.22 End Date: 2012.04.23 Last Calib.: 2012.04.23
 Start Time: 22:21:05 End Time: 03:16:14 Time On Btm: 2012.04.22 @ 23:57:00
 Time Off Btm: 2012.04.23 @ 01:44:45

TEST COMMENT: 30 - IF- Surface Blow built to 1 1/8"
 30 - IS- No Return
 15 - FF- No Blow
 30 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1835.73	90.77	Initial Hydro-static
1	18.53	90.25	Open To Flow (1)
31	28.93	91.44	Shut-In(1)
61	919.10	92.01	End Shut-In(1)
61	32.26	91.57	Open To Flow (2)
76	35.10	92.11	Shut-In(2)
107	847.07	92.54	End Shut-In(2)
108	1822.36	92.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	osm 100M (oil spots)	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

ATTN: Rich Bell

Job Ticket: 46125 **DST#: 4**

Test Start: 2012.04.22 @ 22:21:00

GENERAL INFORMATION:

Formation: **LKC "EF"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:57:15

Time Test Ended: 03:16:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3604.00 ft (KB) To 3628.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3628.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press @ Run Depth: psig @ 3605.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.22

End Date:

2012.04.23

Last Calib.:

2012.04.23

Start Time: 22:20:35

End Time:

03:16:59

Time On Btm:

Time Off Btm:

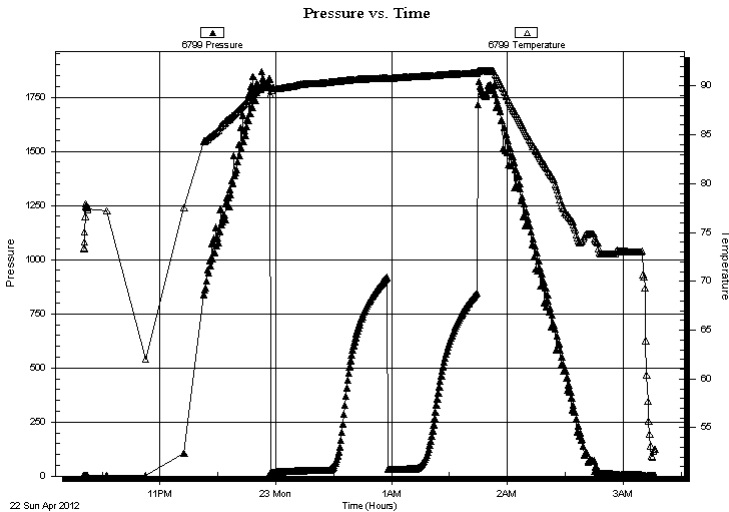
TEST COMMENT: 30 - IF- Surface Blow built to 1 1/8"

30 - IS- No Return

15 - FF- No Blow

30 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
15.00	osm 100M (oil spots)	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, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46125

DST#: 4

ATTN: Rich Bell

Test Start: 2012.04.22 @ 22:21:00

Tool Information

Drill Pipe:	Length: 3496.00 ft	Diameter: 3.80 inches	Volume: 49.04 bbl	Tool Weight: 2000.00 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: 57000.00 lb
			<u>Total Volume: 49.63 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3604.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	45.00 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			3584.00	
Shut In Tool	5.00			3589.00	
Hydraulic tool	5.00			3594.00	
Packer	5.00			3599.00	21.00 Bottom Of Top Packer
Packer	5.00			3604.00	
Stubb	1.00			3605.00	
Recorder	0.00	8648	Inside	3605.00	
Recorder	0.00	6799	Inside	3605.00	
Perforations	18.00			3623.00	
Bullnose	5.00			3628.00	24.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 46125

DST#: 4

ATTN: Rich Bell

Test Start: 2012.04.22 @ 22:21:00

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: 60.00 sec/qt

Cushion Volume: bbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	osm 100M (oil spots)	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

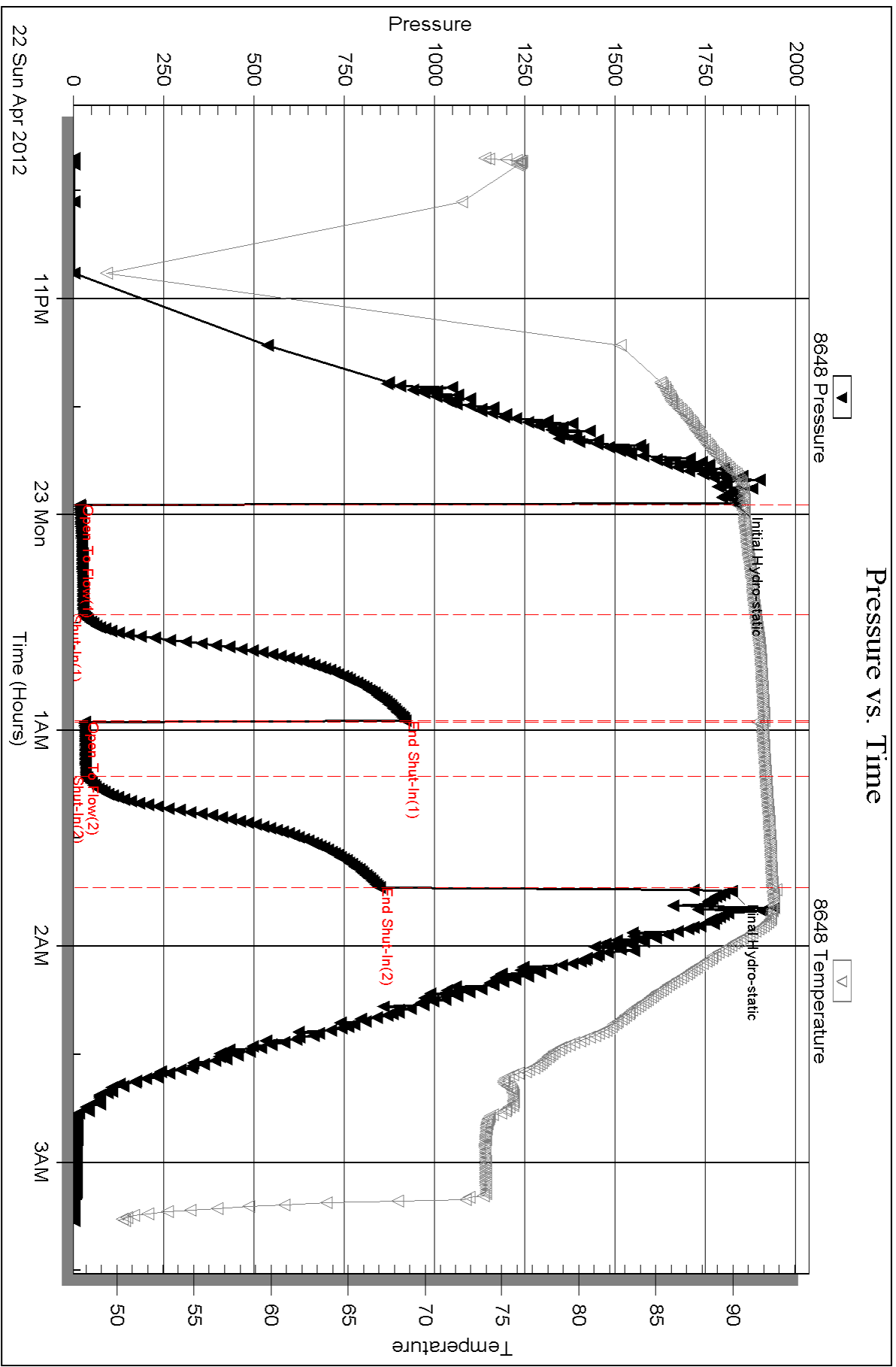
Serial #: 8648

Inside

Baird Oil Company, LLC.

Esslinger Ranch 2-26

DST Test Number: 4



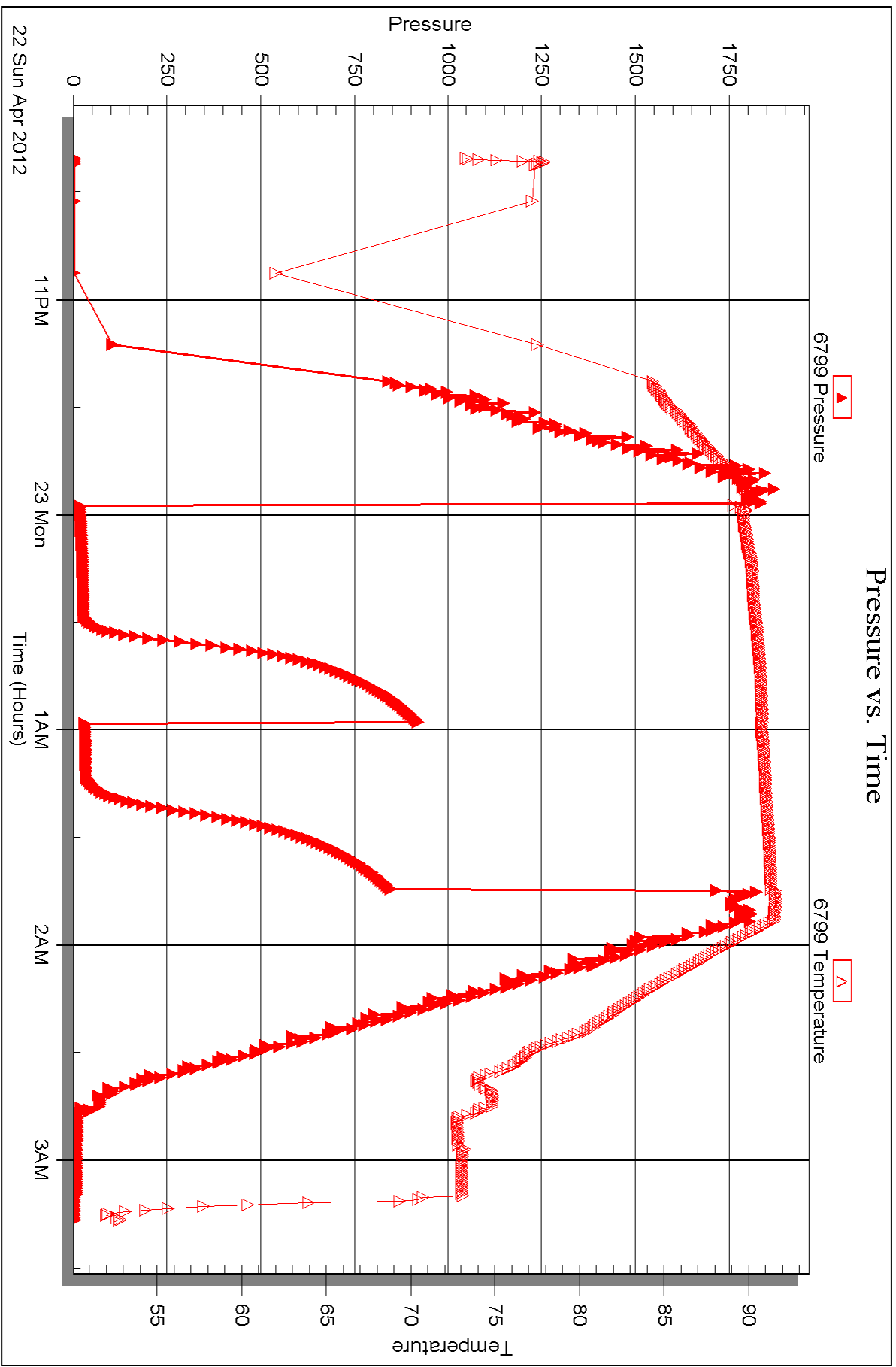
Serial #: 6799

Inside

Baird Oil Company, LLC

Esslinger Ranch 2-26

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell

Esslinger Ranch 2-26

26-3s-22w Norton,KS

Start Date: 2012.04.23 @ 12:44:00

End Date: 2012.04.23 @ 19:42:45

Job Ticket #: 42484 DST #: 5

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

Printed: 2012.05.03 @ 10:16:21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42484

DST#: 5

ATTN: Rich Bell

Test Start: 2012.04.23 @ 12:44:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:35:00

Time Test Ended: 19:42:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3674.00 ft (KB) To 3705.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3705.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press @ Run Depth: 80.88 psig @ 3675.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.23

End Date: 2012.04.23

Last Calib.: 2012.04.23

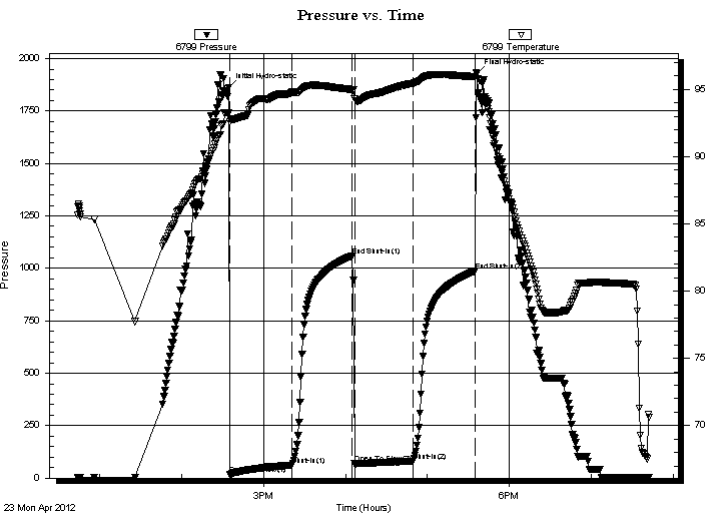
Start Time: 12:44:05

End Time: 19:42:44

Time On Btm: 2012.04.23 @ 14:34:15

Time Off Btm: 2012.04.23 @ 17:36:30

TEST COMMENT: 45 - IF- Surface Blow built to 8"
45 - IS- Weak surface return started at 5 min. Died at 20 min.
45 - FF- Surface Blow built to 7"
45 - FS- Weak surface return started at 2 min. Died at 40 min.



PRESSURE SUMMARY

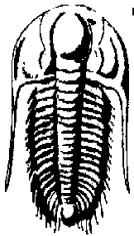
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.81	93.25	Initial Hydro-static
1	17.53	92.58	Open To Flow (1)
47	61.89	94.79	Shut-In(1)
91	1059.54	94.99	End Shut-In(1)
93	68.51	94.33	Open To Flow (2)
135	80.88	95.45	Shut-In(2)
181	988.31	95.94	End Shut-In(2)
183	1929.87	96.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 80M 20o	0.15
216.00	Free Oil 100o	2.21

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

ATTN: Rich Bell

Job Ticket: 42484

DST#: 5

Test Start: 2012.04.23 @ 12:44:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:35:00

Time Test Ended: 19:42:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3674.00 ft (KB) To 3705.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3705.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press@RunDepth: psig @ 3675.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.23 End Date: 2012.04.23

Last Calib.: 2012.04.23

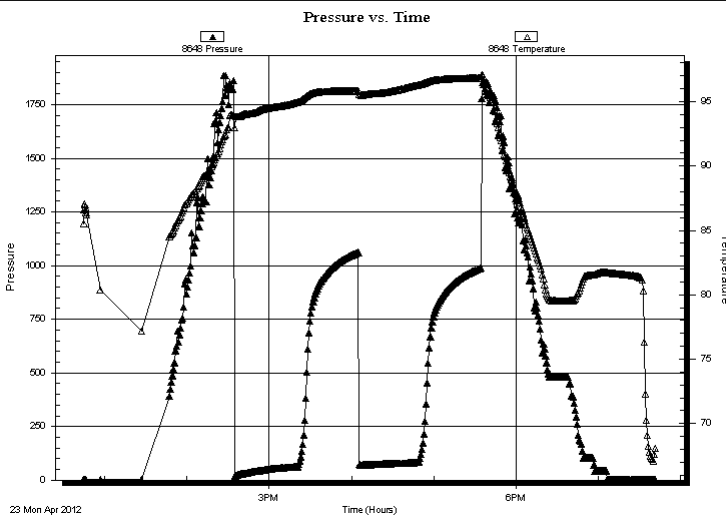
Start Time: 12:44:50 End Time: 19:41:59

Time On Btm:

Time Off Btm:

TEST COMMENT: 45 - IF- Surface Blow built to 8"
45 - IS- Weak surface return started at 5 min. Died at 20 min.
45 - FF- Surface Blow built to 7"
45 - FS- Weak surface return started at 2 min. Died at 40 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 80M 20o	0.15
216.00	Free Oil 100o	2.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42484

DST#: 5

ATTN: Rich Bell

Test Start: 2012.04.23 @ 12:44:00

Tool Information

Drill Pipe:	Length: 3559.00 ft	Diameter: 3.80 inches	Volume: 49.92 bbl	Tool Weight: 2000.00 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: 58000.00 lb
			<u>Total Volume: 50.51 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3674.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	52.00 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			3654.00	
Shut In Tool	5.00			3659.00	
Hydraulic tool	5.00			3664.00	
Packer	5.00			3669.00	21.00 Bottom Of Top Packer
Packer	5.00			3674.00	
Stubb	1.00			3675.00	
Recorder	0.00	8648	Inside	3675.00	
Recorder	0.00	6799	Inside	3675.00	
Perforations	25.00			3700.00	
Bullnose	5.00			3705.00	31.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42484

DST#: 5

ATTN: Rich Bell

Test Start: 2012.04.23 @ 12:44:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	OCM 80M 20o	0.148
216.00	Free Oil 100o	2.210

Total Length: 246.00 ft Total Volume: 2.358 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 43 @ 90 deg. = 40

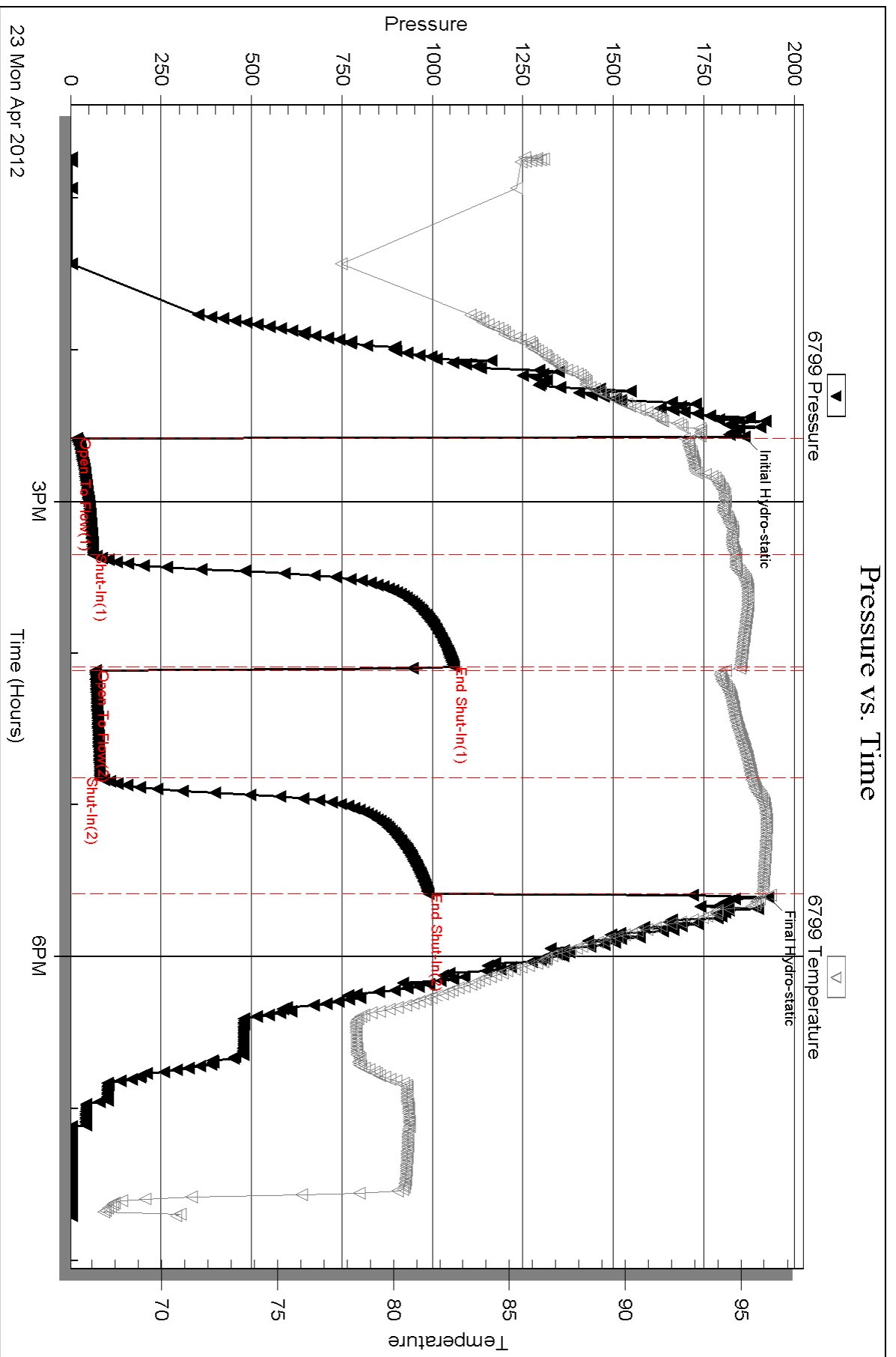
Serial #: 6799

Inside

Baird Oil Company, LLC

Esslinger Ranch 2-26

DST Test Number: 5



23 Mon Apr 2012

Triobite Testing, Inc

Ref. No: 42484

Printed: 2012.05.03 @ 10:16:23

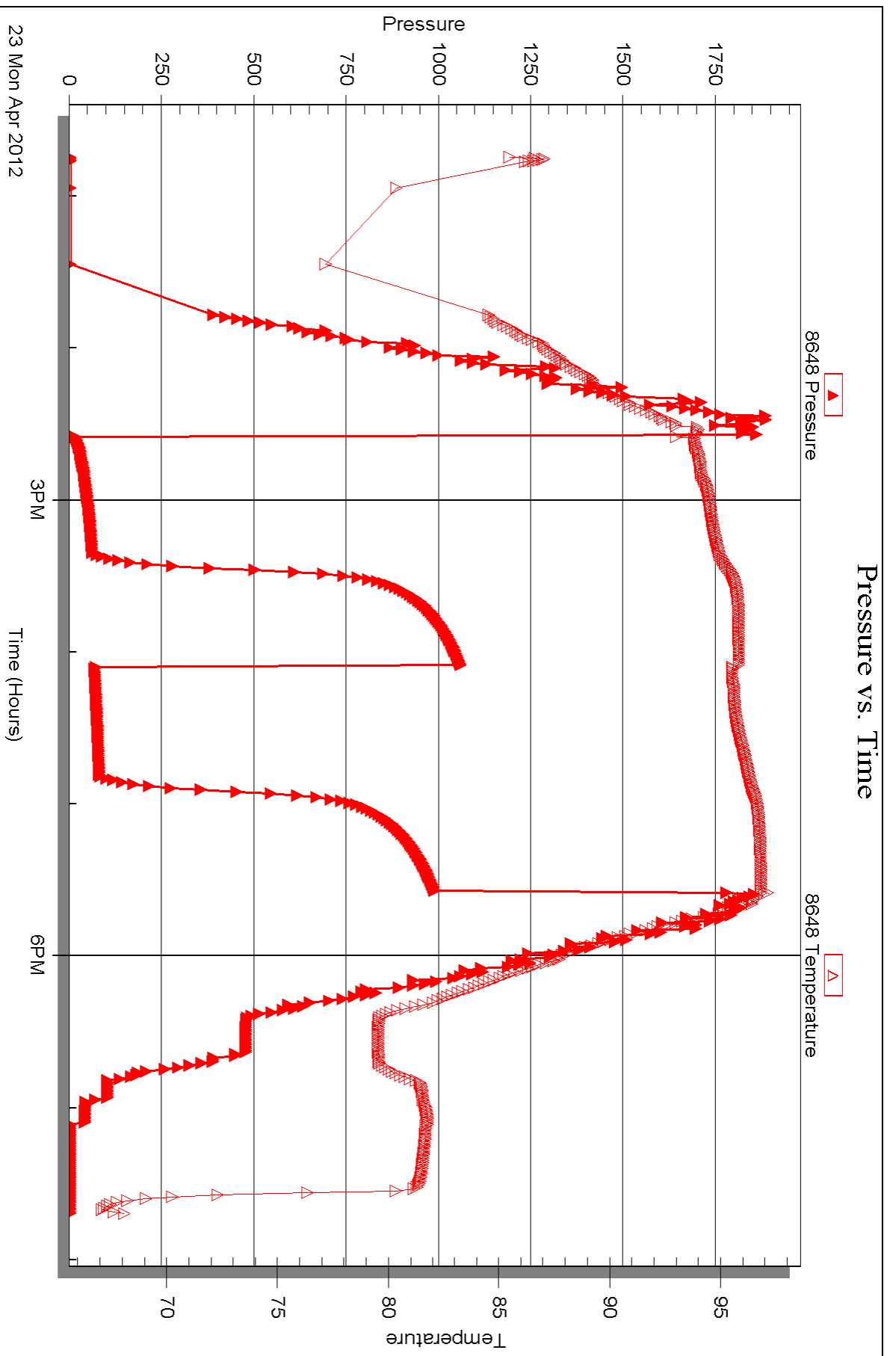
Serial #: 8648

Inside

Baird Oil Company, LLC

Esslinger Ranch 2-26

DST Test Number: 5



23 Mon Apr 2012



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell

Esslinger Ranch 2-26

26-3s-22w Norton,KS

Start Date: 2012.04.24 @ 15:22:00

End Date: 2012.04.24 @ 22:32:45

Job Ticket #: 42485 DST #: 6

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

Printed: 2012.05.03 @ 10:15:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

ATTN: Rich Bell

Job Ticket: 42485

DST#: 6

Test Start: 2012.04.24 @ 15:22:00

GENERAL INFORMATION:

Formation: **Marmaton Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:07:45

Time Test Ended: 22:32:45

Test Type: (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3794.00 ft (KB) To 3809.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 67.08 psig @ 3795.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.24

End Date:

2012.04.24

Last Calib.:

2012.04.24

Start Time: 15:22:05

End Time:

22:32:44

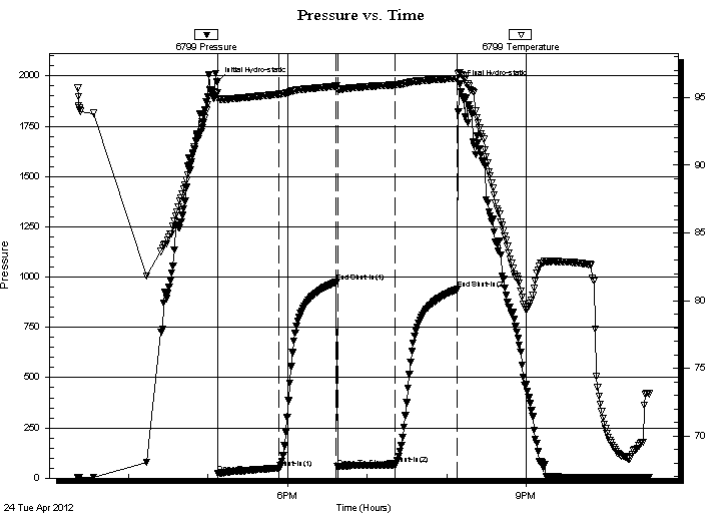
Time On Btm:

2012.04.24 @ 17:07:15

Time Off Btm:

2012.04.24 @ 20:09:45

TEST COMMENT: 45 - IF - Weak Surface blow built to 2 1/4"
45 - IS - No Return
45 - FF - Weak surface blow built to 2 1/2"
45 - FS - No Return



PRESSURE SUMMARY

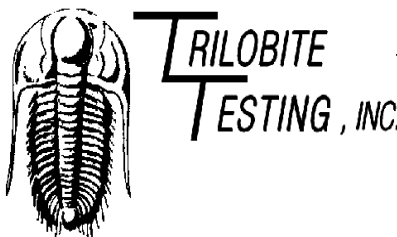
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1972.48	95.36	Initial Hydro-static
1	24.23	94.93	Open To Flow (1)
47	50.12	95.24	Shut-In(1)
90	974.86	95.83	End Shut-In(1)
91	55.63	95.61	Open To Flow (2)
134	67.08	95.93	Shut-In(2)
181	938.94	96.42	End Shut-In(2)
183	1959.90	96.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 80M 20o	0.25
100.00	Free oil 100o	0.77

Gas Rates

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



DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42485

DST#: 6

ATTN: Rich Bell

Test Start: 2012.04.24 @ 15:22:00

GENERAL INFORMATION:

Formation: **Marmaton Sd.**

Deviated: No Whipstock: ft (KB) Test Type: (Initial)

Time Tool Opened: 17:07:45 Tester: Kevin Mack

Time Test Ended: 22:32:45 Unit No: 43

Interval: 3794.00 ft (KB) To 3809.00 ft (KB) (TVD) Reference Elevations: 2309.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD) 2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

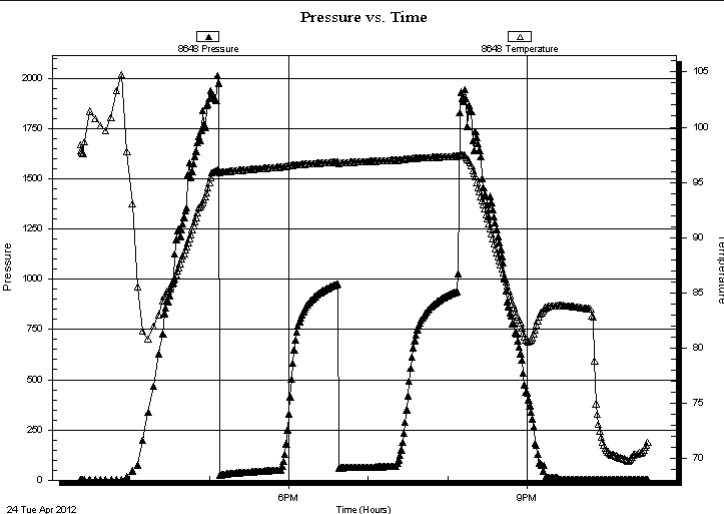
Serial #: 8648 Inside

Press @ Run Depth: psig @ 3795.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2012.04.24 End Date: 2012.04.24 Last Calib.: 2012.04.24

Start Time: 15:22:50 End Time: 22:31:44 Time On Btm: Time Off Btm:

TEST COMMENT: 45 - IF - Weak Surface blow built to 2 1/4"
 45 - IS - No Return
 45 - FF - Weak surface blow built to 2 1/2"
 45 - FS - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 80M 20o	0.25
100.00	Free oil 100o	0.77

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42485 DST#: 6

ATTN: Rich Bell

Test Start: 2012.04.24 @ 15:22:00

GENERAL INFORMATION:

Formation: **Marmaton Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:07:45
Time Test Ended: 22:32:45
Interval: **3794.00 ft (KB) To 3809.00 ft (KB) (TVD)**
Total Depth: 3863.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

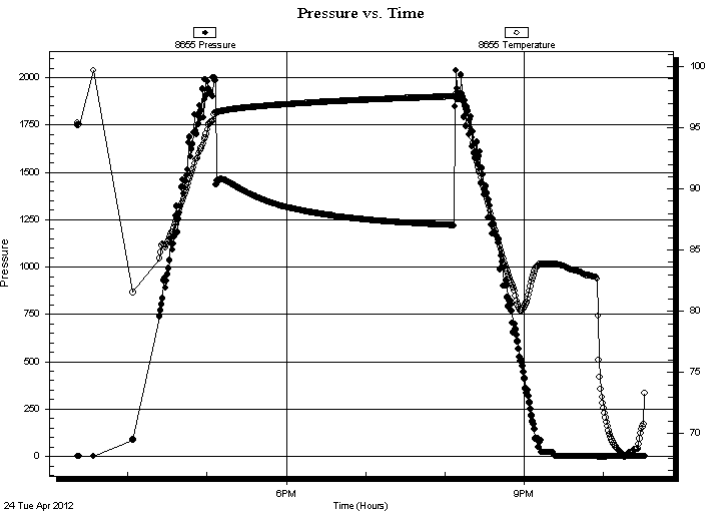
Test Type: (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2309.00 ft (KB)
2304.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8655 Below (Straddle)

Press @ Run Depth: psig @ 3810.00 ft (KB)
Start Date: 2012.04.24 End Date: 2012.04.24
Start Time: 15:22:05 End Time: 22:31:14

Capacity: 8000.00 psig
Last Calib.: 2012.04.24
Time On Btm:
Time Off Btm:

TEST COMMENT: 45 - IF - Weak Surface blow built to 2 1/4"
45 - IS - No Return
45 - FF - Weak surface blow built to 2 1/2"
45 - FS - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 80M 20o	0.25
100.00	Free oil 100o	0.77

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42485

DST#: 6

ATTN: Rich Bell

Test Start: 2012.04.24 @ 15:22:00

Tool Information

Drill Pipe:	Length: 3654.00 ft	Diameter: 3.80 inches	Volume: 51.26 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: 30000.00 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: 51.85 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3794.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3805.00 ft			
Interval between Packers:	11.00 ft			
Tool Length:	97.00 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			3767.00	
Shut In Tool	5.00			3772.00	
Hydraulic tool	5.00			3777.00	
Jars	5.00			3782.00	
Safety Joint	2.00			3784.00	
Packer	5.00			3789.00	28.00 Bottom Of Top Packer
Packer	5.00			3794.00	
Stubb	1.00			3795.00	
Recorder	0.00	8648	Inside	3795.00	
Recorder	0.00	6799	Inside	3795.00	
Perforations	9.00			3804.00	
Blank Off Sub	1.00			3805.00	11.00 Tool Interval
Packer	4.00			3809.00	
Stubb	1.00			3810.00	
Recorder	0.00	8655	Below	3810.00	
Perforations	15.00			3825.00	
Change Over Sub	1.00			3826.00	
Drill Pipe	31.00			3857.00	
Change Over Sub	1.00			3858.00	
Bullnose	5.00			3863.00	58.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42485

DST#: 6

ATTN: Rich Bell

Test Start: 2012.04.24 @ 15:22:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

50 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	OCM 80M 20o	0.246
100.00	Free oil 100o	0.765

Total Length: 150.00 ft Total Volume: 1.011 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 51 @ 70 deg. = 50

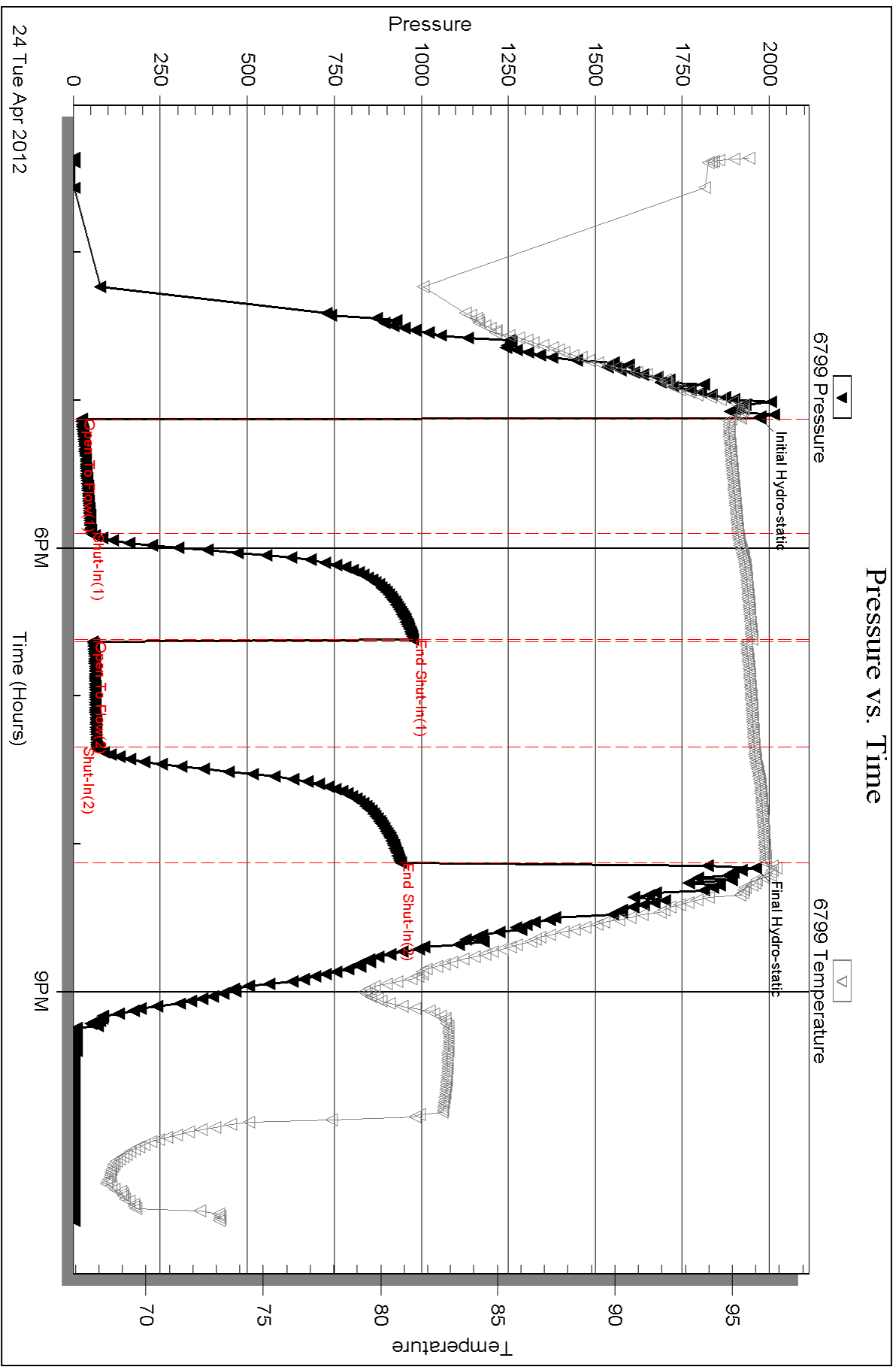
Serial #: 6799

Inside

Baird Oil Company, LLC

Esslinger Ranch 2-26

DST Test Number: 6



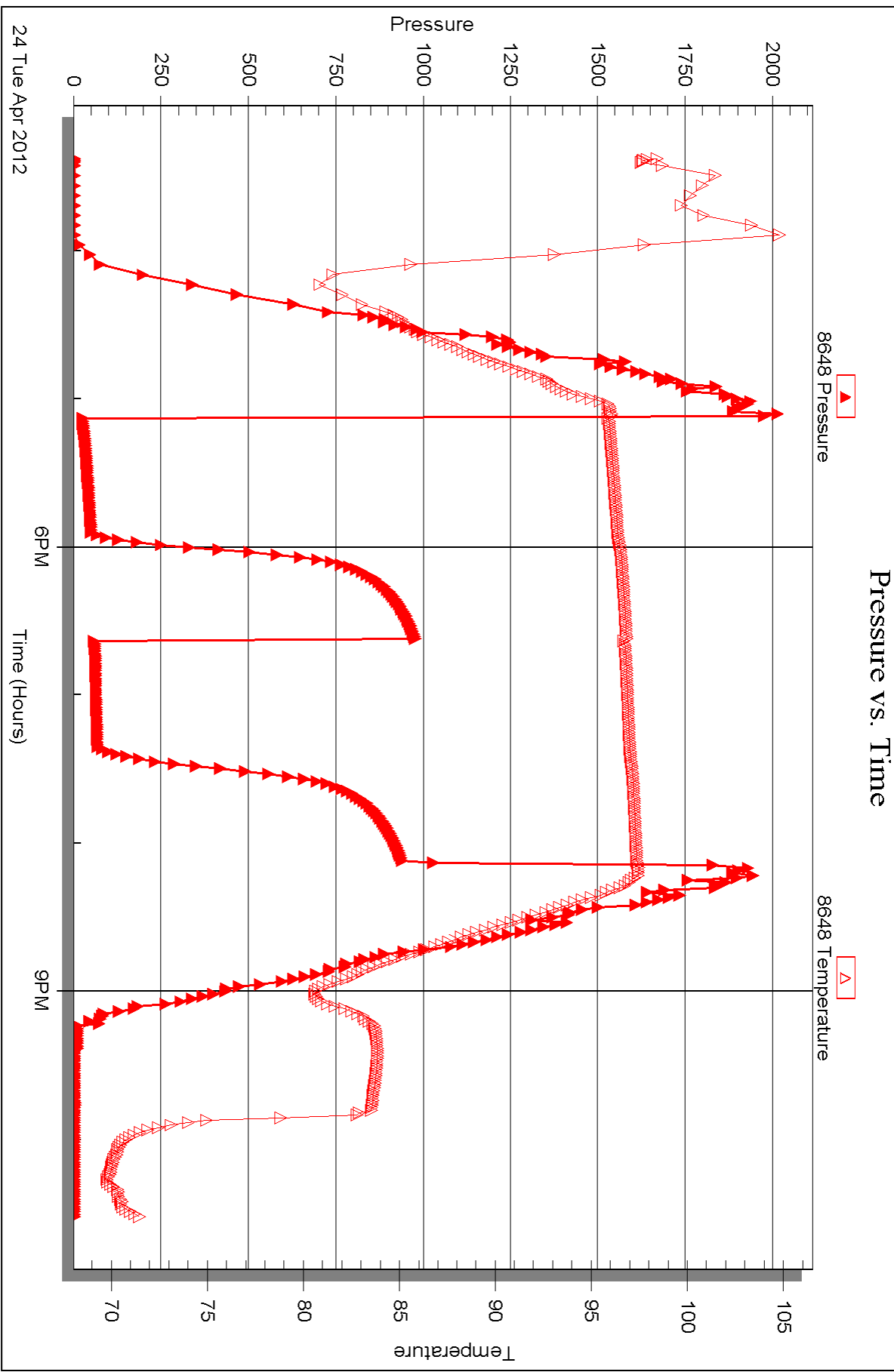
Serial #: 8648

Inside

Baird Oil Company, LLC.

Esslinger Ranch 2-26

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 42485

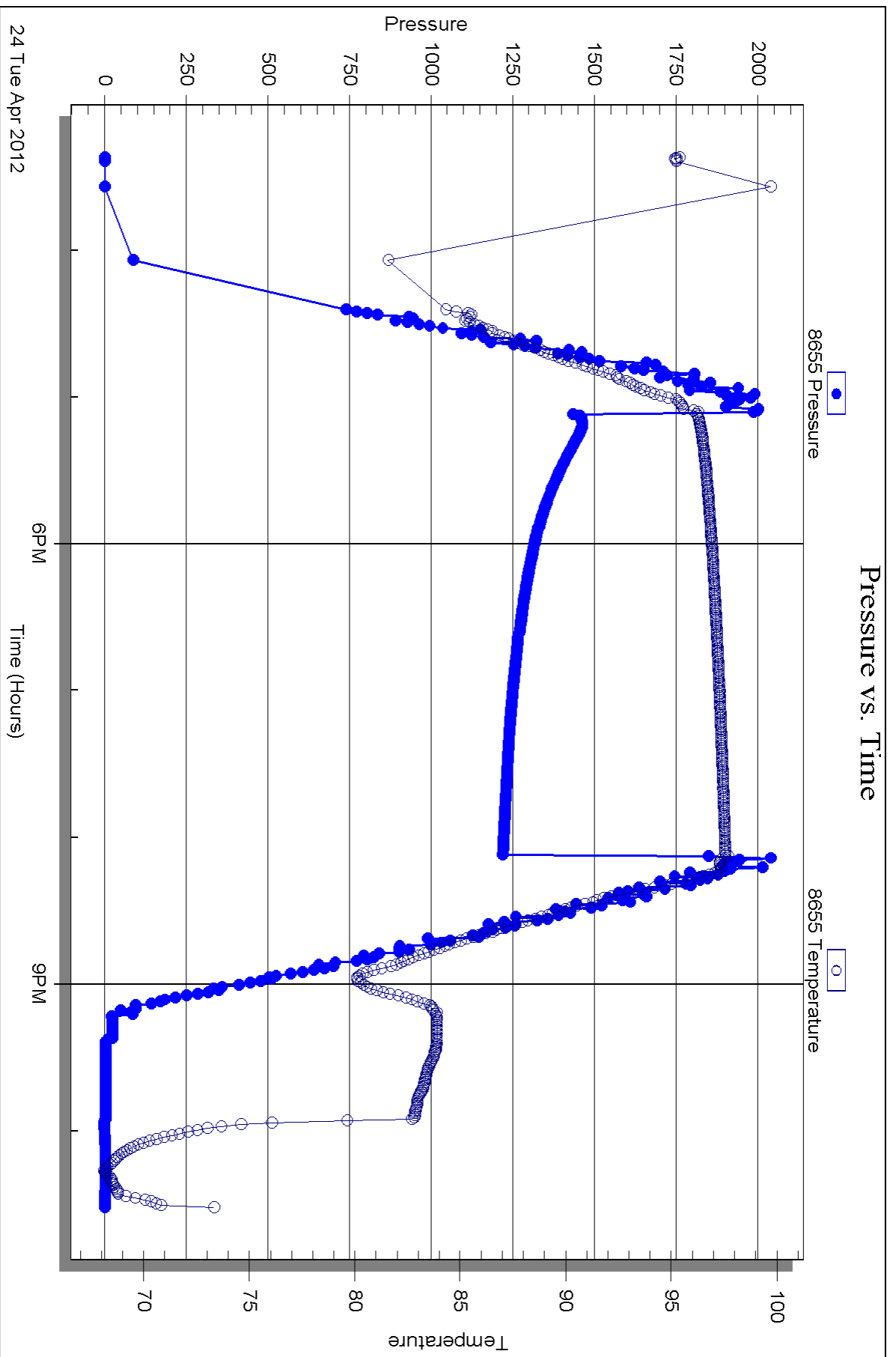
Printed: 2012.05.03 @ 10:15:23

Serial #: 8655

Below (Stratified) Oil Company, LLC

Esslinger Ranch 2-26

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 42485

Printed: 2012.05.03 @ 10:15:24



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell

Esslinger Ranch 2-26

26-3s-22w Norton,KS

Start Date: 2012.04.25 @ 01:48:00

End Date: 2012.04.25 @ 09:14:00

Job Ticket #: 42486 DST #: 7

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

Printed: 2012.05.03 @ 10:14:40



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

ATTN: Rich Bell

Job Ticket: 42486

DST#: 7

Test Start: 2012.04.25 @ 01:48:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:59:45

Time Test Ended: 09:14:00

Test Type: Conventional Straddle (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3737.00 ft (KB) To 3777.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press @ Run Depth: 109.03 psig @ 3738.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.25

End Date: 2012.04.25

Last Calib.: 2012.04.25

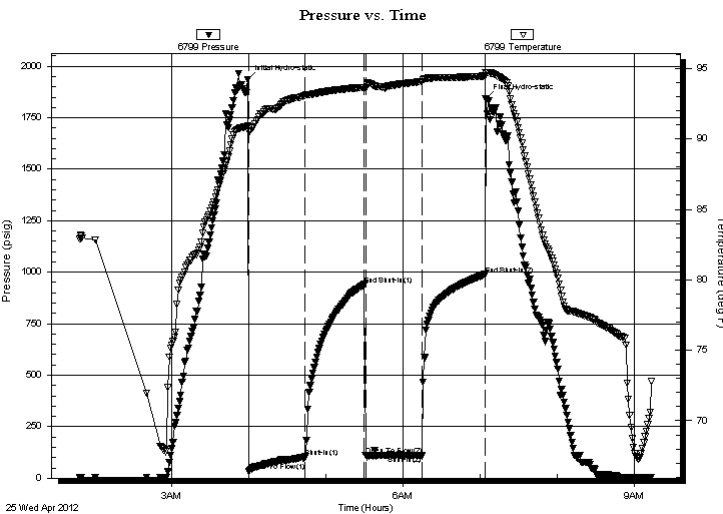
Start Time: 01:48:05

End Time: 09:13:59

Time On Btm: 2012.04.25 @ 03:58:45

Time Off Btm: 2012.04.25 @ 07:04:30

TEST COMMENT: 45 - IF - Surface Blow built to 5 1/4"
45 - IS - No Return
45 - FF - Surface Blow started at 15 min. Built to 1 1/4"
45 - FS - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1934.19	90.93	Initial Hydro-static
1	33.78	90.48	Open To Flow (1)
45	103.06	93.09	Shut-In(1)
91	939.80	93.67	End Shut-In(1)
92	110.59	93.62	Open To Flow (2)
136	109.03	94.06	Shut-In(2)
185	988.29	94.45	End Shut-In(2)
186	1841.88	94.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSWM 10W 90M (oil spots)	0.30
90.00	OSM 100M (oil spots) (trace of water)	0.72

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42486

DST#: 7

ATTN: Rich Bell

Test Start: 2012.04.25 @ 01:48:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:59:45

Time Test Ended: 09:14:00

Test Type: Conventional Straddle (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3737.00 ft (KB) To 3777.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8648 Inside

Press @ Run Depth: psig @ 3738.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.25 End Date: 2012.04.25

Last Calib.: 2012.04.25

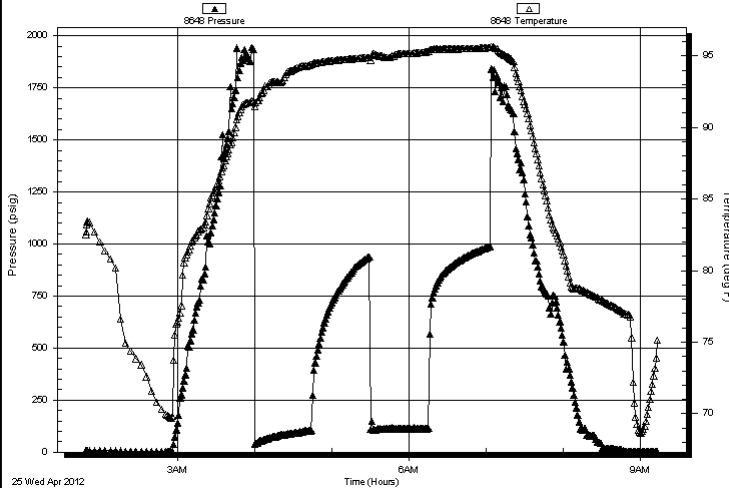
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Time On Btm:

Time Off Btm:

TEST COMMENT: 45 - IF - Surface Blow built to 5 1/4"
45 - IS - No Return
45 - FF - Surface Blow started at 15 min. Built to 1 1/4"
45 - FS - No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
-------------	-----------------	--------------	------------

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSWM 10W 90M (oil spots)	0.30
90.00	OSM 100M (oil spots) (trace of water)	0.72

Gas Rates

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

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42486

DST#: 7

ATTN: Rich Bell

Test Start: 2012.04.25 @ 01:48:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:59:45

Time Test Ended: 09:14:00

Test Type: Conventional Straddle (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 3737.00 ft (KB) To 3777.00 ft (KB) (TVD)

Reference Elevations: 2309.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8655 Below (Straddle)

Press @ Run Depth: psig @ 3778.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.25 End Date: 2012.04.25

Last Calib.: 2012.04.25

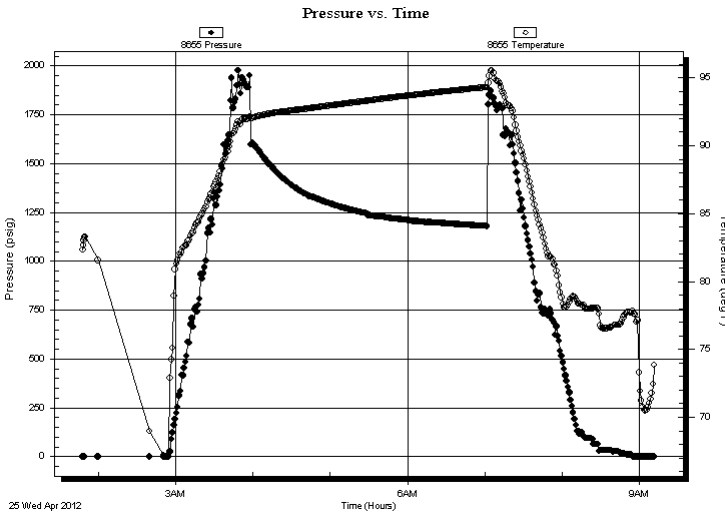
Start Time: 01:48:05 End Time: 09:12:14

Time On Btm:

Time Off Btm:

TEST COMMENT: 45 - IF - Surface Blow built to 5 1/4"
45 - IS - No Return
45 - FF - Surface Blow started at 15 min. Built to 1 1/4"
45 - FS - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSWM 10W 90M (oil spots)	0.30
90.00	OSM 100M (oil spots) (trace of water)	0.72

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42486

DST#: 7

ATTN: Rich Bell

Test Start: 2012.04.25 @ 01:48:00

Tool Information

Drill Pipe:	Length: 3629.00 ft	Diameter: 3.80 inches	Volume: 50.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 51.50 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3737.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3773.00 ft			
Interval between Packers:	36.00 ft			
Tool Length:	147.00 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			3717.00	
Shut In Tool	5.00			3722.00	
Hydraulic tool	5.00			3727.00	
Packer	5.00			3732.00	21.00 Bottom Of Top Packer
Packer	5.00			3737.00	
Stubb	1.00			3738.00	
Recorder	0.00	8648	Inside	3738.00	
Recorder	0.00	6799	Inside	3738.00	
Change Over Sub	1.00			3739.00	
Drill Pipe	31.00			3770.00	
Change Over Sub	1.00			3771.00	
Perforations	1.00			3772.00	
Blank Off Sub	1.00			3773.00	36.00 Tool Interval
Packer	4.00			3777.00	
Stubb	1.00			3778.00	
Recorder	0.00	8655	Below	3778.00	
Perforations	15.00			3793.00	
Change Over Sub	1.00			3794.00	
Drill Pipe	63.00			3857.00	
Change Over Sub	1.00			3858.00	
Bullnose	5.00			3863.00	90.00 Bottom Packers & Anchor

Total Tool Length: 147.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

26-3s-22w Norton, KS

113 W Main
Logan, KS 67646

Esslinger Ranch 2-26

Job Ticket: 42486

DST#: 7

ATTN: Rich Bell

Test Start: 2012.04.25 @ 01:48:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSWM 10W 90M (oil spots)	0.295
90.00	OSM 100M (oil spots) (trace of water)	0.716

Total Length: 150.00 ft

Total Volume: 1.011 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

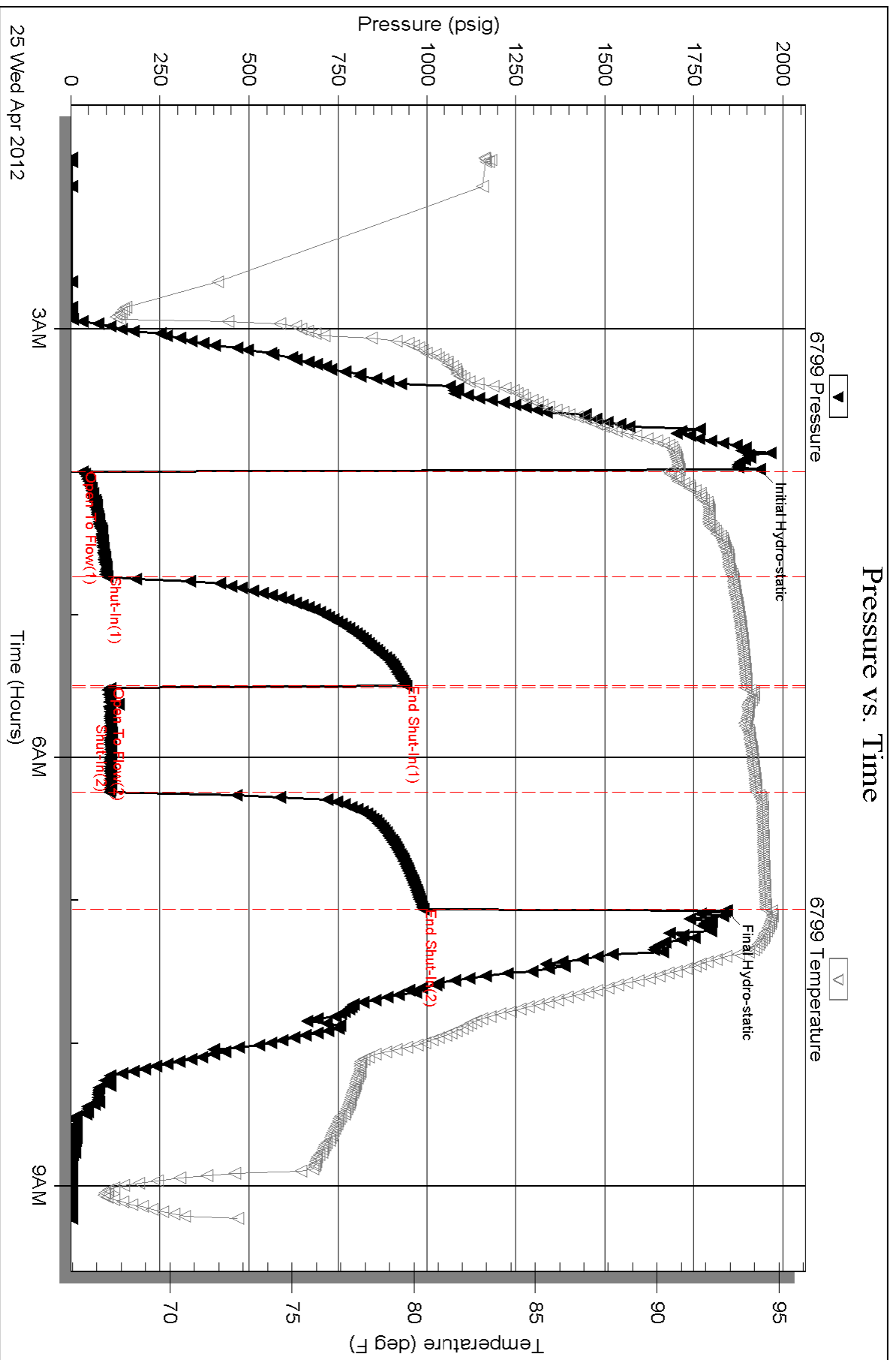
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



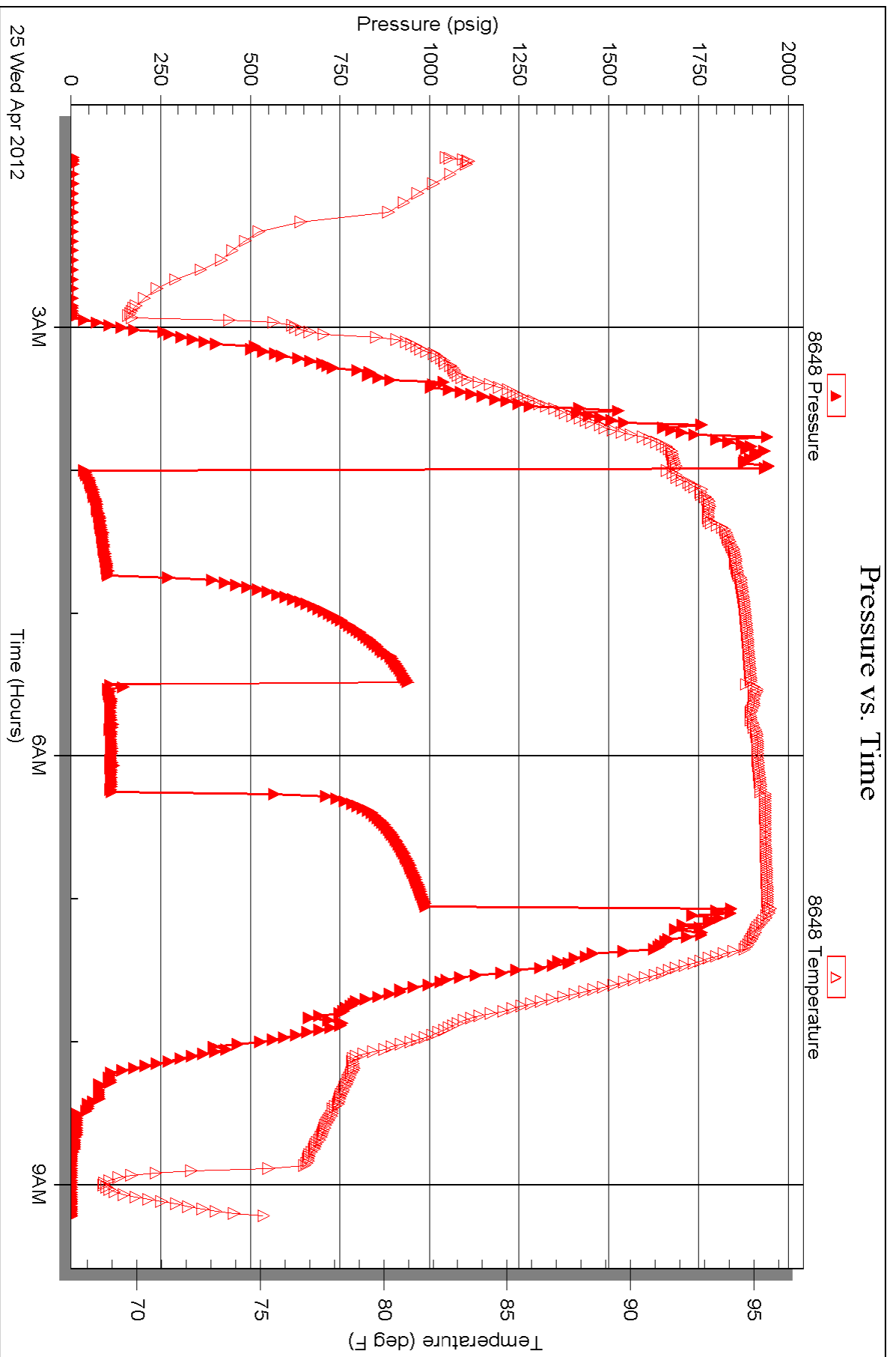
Serial #: 8648

Inside

Baird Oil Company, LLC.

Esslinger Ranch 2-26

DST Test Number: 7

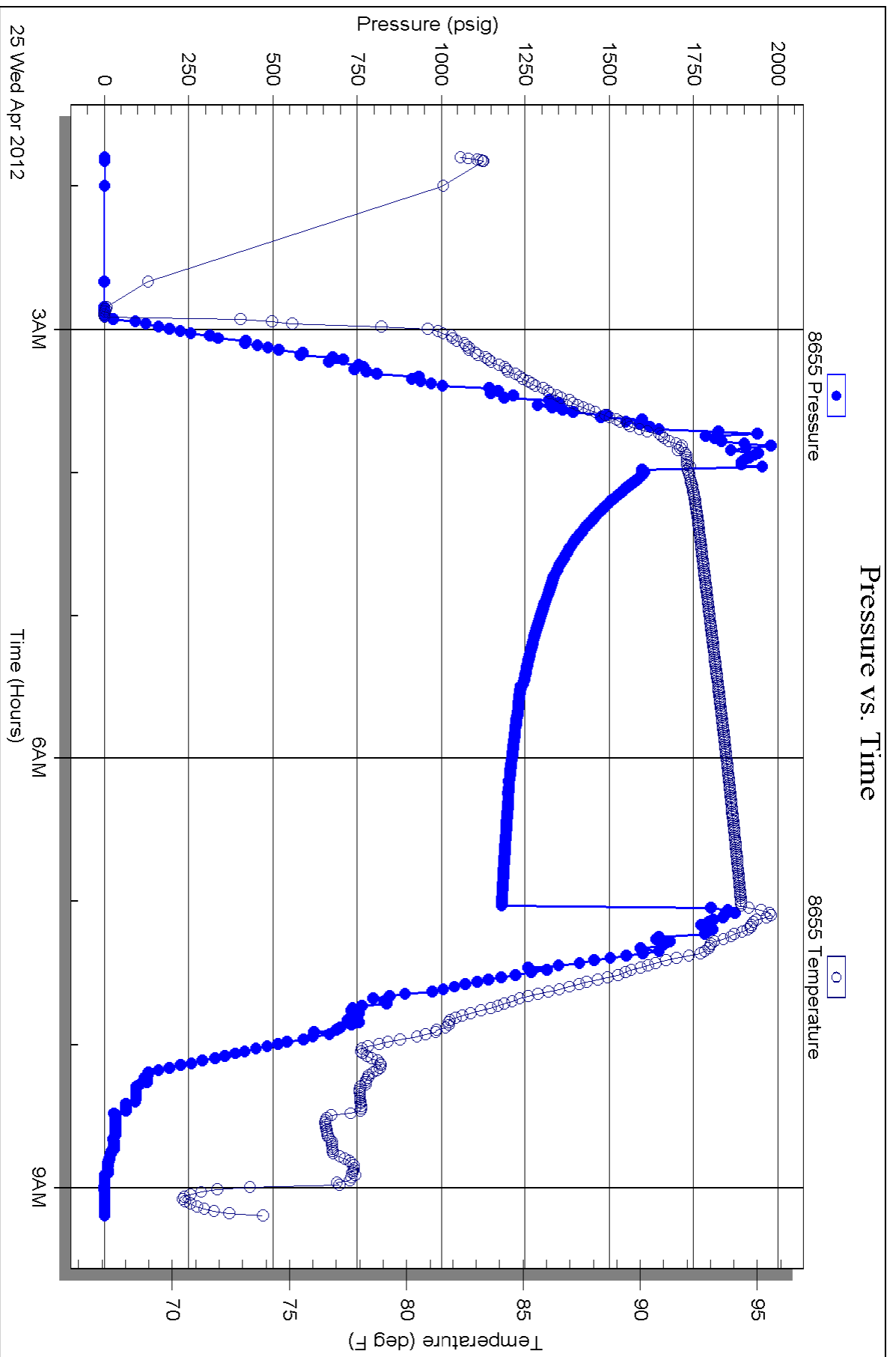


Serial #: 8655

Below (Stratified) Oil Company, LLC

Esslinger Ranch 2-26

DST Test Number: 7





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 27 2012

Test Ticket

NO. 46122

Well Name & No. Esslinger Ranch, Inc. # 2-26 Test No. 1 Date 4-21-12
 Company Baird Oil Company, LLC. Elevation 2309 KB 2304 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig LW #8
 Location: Sec. 26 Twp. 3s Rge. 22w Co. Norton State KS

Interval Tested 3507-3560 3539-3560 Zone Tested LKC "A"
 Anchor Length 53' 21 Drill Pipe Run 3431 Mud Wt. 9.0
 Top Packer Depth 3503-3535 Drill Collars Run 120' Vis 60
 Bottom Packer Depth 3507-3539 Wt. Pipe Run Ø WL 6.0
 Total Depth 3560 3660 Chlorides 1,900 ppm System LCM 1#

Blow Description IF-Weak Surface blow built to 1/8" then died back to weak surface.
IS-NO Return
FF-NO Blow
FS-NO Return

Rec	Feet of	%gas	Spots	%oil	%water	%mud
5	OSM				100	
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud

Rec Total 5 BHT 93 Gravity - API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 1779 Test 1150' T-On Location 3:50 PM
 (B) First Initial Flow 16 Jars T-Started 4:33 PM
 (C) First Final Flow 19 Safety Joint T-Open 6:42 PM
 (D) Initial Shut-In 971 Circ Sub N/C T-Pulled 8:17 PM
 (E) Second Initial Flow 23 Hourly Standby T-Out 9:45 PM
 (F) Second Final Flow 23 Mileage 100 RT 155' Comments _____
 (G) Final Shut-In 1601 Sampler _____
 (H) Final Hydrostatic 1698 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 5
 Final Shut-In 30

Sub Total 1305' Total 1305' MP/DST Disc't _____

Approved By _____ Our Representative

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 27 2012

Test Ticket

NO. 46123

BY: _____

Well Name & No. Esslinger Ranch, Inc #2-26 Test No. 2 Date 4-22-12
 Company Baird Oil Company, LLC Elevation 2309 KB 2304 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig LW #8
 Location: Sec. 26 Twp. 3s Rge. 22w Co. Norton State Ks

Interval Tested 3588 - 3608 Zone Tested LKC "D"
 Anchor Length 20' Drill Pipe Run 3467 Mud Wt. 9.0
 Top Packer Depth 3584 Drill Collars Run 120 Vis 60
 Bottom Packer Depth 3688 Wt. Pipe Run Ø WL 6.0
 Total Depth 3608 Chlorides 1900 ppm System LCM 1#

Blow Description IF - Weak surface blow died at 20 min.
IS - no return
FF - -
FS - -

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Free oil</u>	<u>100</u>			
<u>60</u>	<u>OSMW</u>	<u>SPOTS</u>	<u>70</u>	<u>30</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 120 BHT 93 Gravity 2.2 API RW 32 @ 67 °F Chlorides 22,000 ppm
 (A) Initial Hydrostatic 1836 Test 1150 T-On Location 4:33 AM
 (B) First Initial Flow 17 Jars T-Started 5:14 AM
 (C) First Final Flow 64 Safety Joint T-Open 6:45 AM
 (D) Initial Shut-In 111 Circ Sub N/C T-Pulled 7:45 AM
 (E) Second Initial Flow - Hourly Standby T-Out 9:27 AM
 (F) Second Final Flow - Mileage 100 RT 155 Comments _____
 (G) Final Shut-In - Sampler _____
 (H) Final Hydrostatic 1806 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow - Extra Packer _____
 Final Shut-In - Extra Recorder _____
 Sub Total Ø Day Standby _____
 Total 1305 Accessibility _____
 Sub Total 1305 MP/DST Disc't _____

Approved By _____ Our Representative

Tribolite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 27 2012

Test Ticket

NO. 46124

4/10

BY: _____

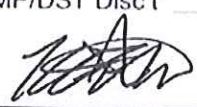
Well Name & No. <u>Esslinger Ranch, Inc. #2-26</u>	Test No. <u>3</u>	Date <u>4-22-12</u>
Company <u>Baird Oil Company, Inc.</u>	Elevation <u>2309</u>	KB <u>2304</u> GL
Address <u>113 W Main Logan, KS 67646</u>		
Co. Rep / Geo. <u>Rich Bell</u>	Rig <u>WW #8</u>	
Location: Sec. <u>26</u> Twp. <u>3s</u> Rge. <u>22w</u> Co. <u>Norton</u> State <u>KS</u>		

Interval Tested <u>3588-3608</u>	Zone Tested <u>L/KC "D"</u>
Anchor Length <u>20'</u>	Drill Pipe Run <u>3467</u> Mud Wt. <u>9.0</u>
Top Packer Depth <u>3584</u>	Drill Collars Run <u>120</u> Vis <u>60</u>
Bottom Packer Depth <u>3588</u>	Wt. Pipe Run <u>Ø</u> WL <u>6.0</u>
Total Depth <u>3668</u>	Chlorides <u>1,900</u> ppm System LCM <u>1#</u>
Blow Description <u>IF- Surface Blow built to 7 1/2"</u>	
<u>IS- No Return</u>	
<u>FF- Surface Blow built to 6"</u>	
<u>FS- No Return</u>	

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Free oil</u>	<u>100</u>			
<u>60</u>	<u>OSMW</u>	<u>spots</u>	<u>70</u>	<u>30</u>	
<u>60</u>	<u>OSMW</u>	<u>spots</u>	<u>80</u>	<u>20</u>	

Rec Total <u>180</u>	BHT <u>93</u>	Gravity <u>22</u>	API RW <u>32 @ 67 °F</u>	Chlorides <u>22,000</u> ppm
(A) Initial Hydrostatic <u>1831</u>	<input checked="" type="checkbox"/> Test <u>1100</u>	T-On Location <u>4:33 AM</u>		
(B) First Initial Flow <u>21</u>	<input type="checkbox"/> Jars	T-Started <u>10:08 AM</u>		
(C) First Final Flow <u>21</u>	<input type="checkbox"/> Safety Joint	T-Open <u>11:22 AM</u>		
(D) Initial Shut-In <u>1099</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2:22 PM</u>		
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby <u>2 3/4 275</u>	T-Out <u>4:15 PM</u>		
(F) Second Final Flow <u>93</u>	<input checked="" type="checkbox"/> Mileage <u>N/C</u>	Comments _____		
(G) Final Shut-In <u>1079</u>	<input type="checkbox"/> Sampler	_____		
(H) Final Hydrostatic <u>1792</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer		
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer		
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies		
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>Ø</u>		
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1425</u>		
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____		
	Sub Total <u>1425</u>			

Approved By _____

Our Representative 

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 27 2012

Test Ticket

NO. 46125

BY:

Well Name & No. Esslinger Ranch, Inc. #2-26 Test No. 4 Date 4-22-12
 Company Baird Oil Company, LLC. Elevation 2309 KB 2304 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig LW #8
 Location: Sec. 26 Twp. 3s Rge. 22w Co. Norton State KS

Interval Tested 3604-3628 Zone Tested LKC "E/F"
 Anchor Length 24' Drill Pipe Run 3496 Mud Wt. 9.2
 Top Packer Depth 3600 Drill Collars Run 120 Vis 60
 Bottom Packer Depth 3604 Wt. Pipe Run Ø WL 6.0
 Total Depth 3628 Chlorides 2000 ppm System 1#
 LCM 1#

Blow Description IF - Surface Blow built to 1 1/8"
IS - NO Return
FF - NO Blow
FS - NO Return

Rec	Feet of	%gas	Spots	%oil	%water	%mud
<u>15</u>	<u>OSM</u>				<u>100</u>	
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud

Rec Total 15 BHT 93 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1835 Test 1160 T-On Location 10:00 PM
 (B) First Initial Flow 18 Jars T-Started 10:21 PM
 (C) First Final Flow 28 Safety Joint T-Open 11:58 PM
 (D) Initial Shut-In 919 Circ Sub N/C T-Pulled 1:43 AM
 (E) Second Initial Flow 32 Hourly Standby T-Out 3:18 AM
 (F) Second Final Flow 35 Mileage 100 RT 165 Comments _____
 (G) Final Shut-In 847 Sampler _____
 (H) Final Hydrostatic 1822 Straddle _____

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total Ø
 Total 1305
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 36
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1305

Approved By _____ Our Representative [Signature]

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Test Ticket

NO. 042484

Well Name & No. Esslinger Ranch, Inc. #2-2c Test No. 5 Date 4-23-12
 Company Beind Oil Company, LLC. Elevation 2309 KB 2304 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig GW#18
 Location: Sec. 26 Twp. 3s Rge. 22w Co. Norton State KS

Interval Tested 3674-3705 Zone Tested LKC "J"
 Anchor Length 31' Drill Pipe Run 3559 Mud Wt. 9.2
 Top Packer Depth 3670 Drill Collars Run 120 Vis 60
 Bottom Packer Depth 3674 Wt. Pipe Run Ø WL 6.0
 Total Depth 3705 Chlorides 2,000 ppm System LCM 1#

Blow Description IF - Surface Blow built to 8"
IS - Weak surface return started at 5 min. ~~Blow~~ Died at 20 min.
FF - Surface Blow built to 7"
FS - Weak surface return started at 2 min. Died at 40 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>216</u>	<u>Free Oil</u>	<u>100</u>			
<u>30</u>	<u>OCM</u>	<u>20</u>		<u>80</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 276 BHT 96 Gravity 40 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>186</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:20 PM</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars	T-Started <u>12:44 PM</u>
(C) First Final Flow <u>61</u>	<input type="checkbox"/> Safety Joint	T-Open <u>2:35 PM</u>
(D) Initial Shut-In <u>1059</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>5:35 PM</u>
(E) Second Initial Flow <u>68</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:43 PM</u>
(F) Second Final Flow <u>70</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT 155</u>	Comments
(G) Final Shut-In <u>988</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1929</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>Ø</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1305</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1305</u>	

Approved By _____ Our Representative [Signature]

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Test Ticket

NO. 042485

4/10

BY:

Well Name & No. Esslinger Ranch, Inc. #2-26 Test No. 6 Date 4-24-12
 Company Baird Oil Company, LLC Elevation 2309 KB 2304 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig WW #8
 Location: Sec. 26 Twp. 3s Rge. 22w Co. Norton State KS

Interval Tested 3794-3809 Zone Tested Marmaton sd
 Anchor Length 15' Drill Pipe Run 3654 Mud Wt. 9.2
 Top Packer Depth 3790 Drill Collars Run 120 Vis 58
 Bottom Packer Depth 3794-3809 (straddle packer) Wt. Pipe Run Ø WL 6.4
 Total Depth 3863 Chlorides 2,000 ppm System LCM 1#
 Blow Description IF- Weak surface blow built to 2 1/4"
IS- No Return
FF-
FS-

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>Free Oil</u>			<u>100</u>	
<u>50</u>	<u>OCM</u>		<u>20</u>	<u>80</u>	

Rec Total 150 BHT 97 Gravity 5.0 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1972 Test 1150' T-On Location 2:02 PM
 (B) First Initial Flow 24 Jars 250 T-Started 3:22 PM
 (C) First Final Flow 50 Safety Joint 75' T-Open 5:07 PM
 (D) Initial Shut-In 974 Circ Sub N/C T-Pulled 8:07 PM
 (E) Second Initial Flow 55 Hourly Standby T-Out 10:32 PM
 (F) Second Final Flow 67 Mileage 100 RT 155 Comments _____
 (G) Final Shut-In 938 Sampler _____
 (H) Final Hydrostatic 1954 Straddle 600' Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open _____ Extra Recorder _____ Sub Total Ø
 Initial Shut-In _____ Day Standby _____ Total 2230'
 Final Flow _____ Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 2230'

Approved By _____ Our Representative [Signature]
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APR 27 2012
BY: _____

Test Ticket

NO. 042486

Well Name & No. B Esslinger Ranch, Inc. #2~26 Test No. 7 Date 4-24-12
 Company Baird Oil Company, LLC Elevation 2309 KB 2804 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig WW#8
 Location: Sec. 26 Twp. 3s Rge. 22w Co. Norton State KS

Interval Tested 3737-3777 Zone Tested Marmaton
 Anchor Length 40' Drill Pipe Run 3629 Mud Wt. 9.2
 Top Packer Depth 3733 Drill Collars Run 120 Vis 56
 Bottom Packer Depth 3737 3777 (structure) packer Ø WL 6.4
 Total Depth 3863 Chlorides 2,000 ppm System LCM 1#

Blow Description IF- Surface Blow built to 5 1/4"
IS- No Return
FF- Surface Blow started at 15 min. Built to 1 1/4"
FS- No Return

Rec	Feet of	%gas	Spots	%oil	trace	%water	100	%mud
<u>90</u>	<u>OSM</u>							
<u>60</u>	<u>OSWM</u>							

Rec Total 150 BHT 97 Gravity — API RW — @ — ° F Chlorides — ppm
 (A) Initial Hydrostatic 1934 Test 1180 T-On Location 2:02 PM
 (B) First Initial Flow 33 Jars 250 T-Started 1:48 AM ~~4-24-12~~ 4-25-12
 (C) First Final Flow 103 Safety Joint 75' T-Open 4:00 AM 4-25-12
 (D) Initial Shut-In 939 Circ Sub N/C T-Pulled 7:00 AM
 (E) Second Initial Flow 110 Hourly Standby _____ T-Out 9:13 AM
 (F) Second Final Flow 109 Mileage N/C Comments _____
 (G) Final Shut-In 988 Sampler _____
 (H) Final Hydrostatic 1841 Straddle 600' Ruined Shale Packer _____

Initial Open 45 Ruined Packer 320'
 Initial Shut-In 45 Extra Packer _____
 Final Flow 45 Extra Recorder _____
 Final Shut-In 45 Day Standby _____
 Sub Total 2075' Accessibility _____
 Sub Total 2075' MP/DST Disc't _____

Approved By _____ Our Representative

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