

DRILL STEM TEST REPORT

Prepared For: **Baird Oil, Co.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.03 @ 06:32:00

End Date: 2012.09.03 @ 10:33:30

Job Ticket #: 48076 DST #: 1

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

Printed: 2012.09.11 @ 15:02:21

Baird Oil, Co. 25-3s-22w Norton,KS Jacobson #1-25 DST # 1 LKC "A" 2012.09.03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
 113 W Main
 Logan, KS 67646
 ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
 Job Ticket: 48076 **DST#: 1**
 Test Start: 2012.09.03 @ 06:32:00

GENERAL INFORMATION:

Formation: **LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:07:45
 Time Test Ended: 10:33:30
Interval: 3582.00 ft (KB) To 3606.00 ft (KB) (TVD)
 Total Depth: 3606.00 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: 2344.00 ft (KB)
 2339.00 ft (CF)
 KB to GR/CF: 5.00 ft

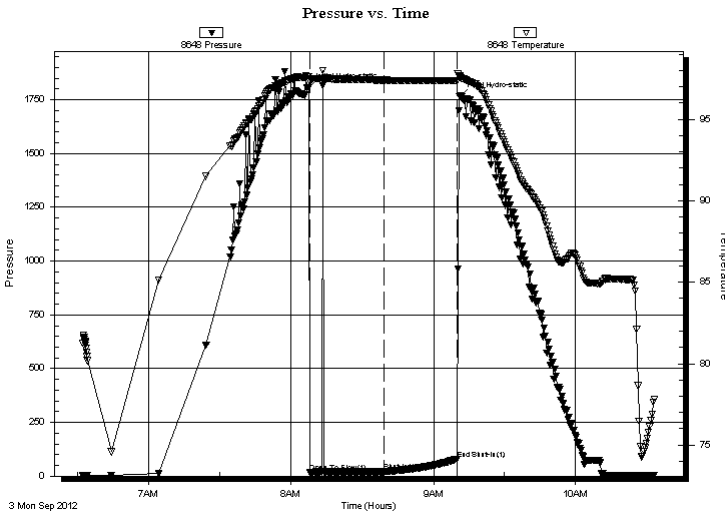
Serial #: 8648

Inside

Press @ Run Depth: 20.68 psig @ 3583.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.03 End Date: 2012.09.03 Last Calib.: 2012.09.03
 Start Time: 06:32:05 End Time: 10:33:30 Time On Btm: 2012.09.03 @ 08:07:15
 Time Off Btm: 2012.09.03 @ 09:11:00

TEST COMMENT: 30 - IF- No Blow - Flushed tool at 5 min. - No Blow
 30 - IS- No Return
 Pulled tool at end of IS

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1806.32	97.64	Initial Hydro-static
1	18.55	97.29	Open To Flow (1)
32	20.68	97.41	Shut-In(1)
63	79.61	97.36	End Shut-In(1)
64	1765.66	97.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 100M (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, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48076 **DST#: 1**
Test Start: 2012.09.03 @ 06:32:00

Tool Information

Drill Pipe:	Length: 3461.00 ft	Diameter: 3.80 inches	Volume: 48.55 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: 50000.00 lb
			<u>Total Volume: 49.14 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3582.00 ft			Final 40000.00 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
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Change Over Sub	1.00			3562.00	
Shut In Tool	5.00			3567.00	
Hydraulic tool	5.00			3572.00	
Packer	5.00			3577.00	21.00 Bottom Of Top Packer
Packer	5.00			3582.00	
Stubb	1.00			3583.00	
Recorder	0.00	8648	Inside	3583.00	
Recorder	0.00	6799	Inside	3583.00	
Perforations	18.00			3601.00	
Bullnose	5.00			3606.00	24.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48076 **DST#: 1**
Test Start: 2012.09.03 @ 06:32:00

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: 7.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 100M (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:

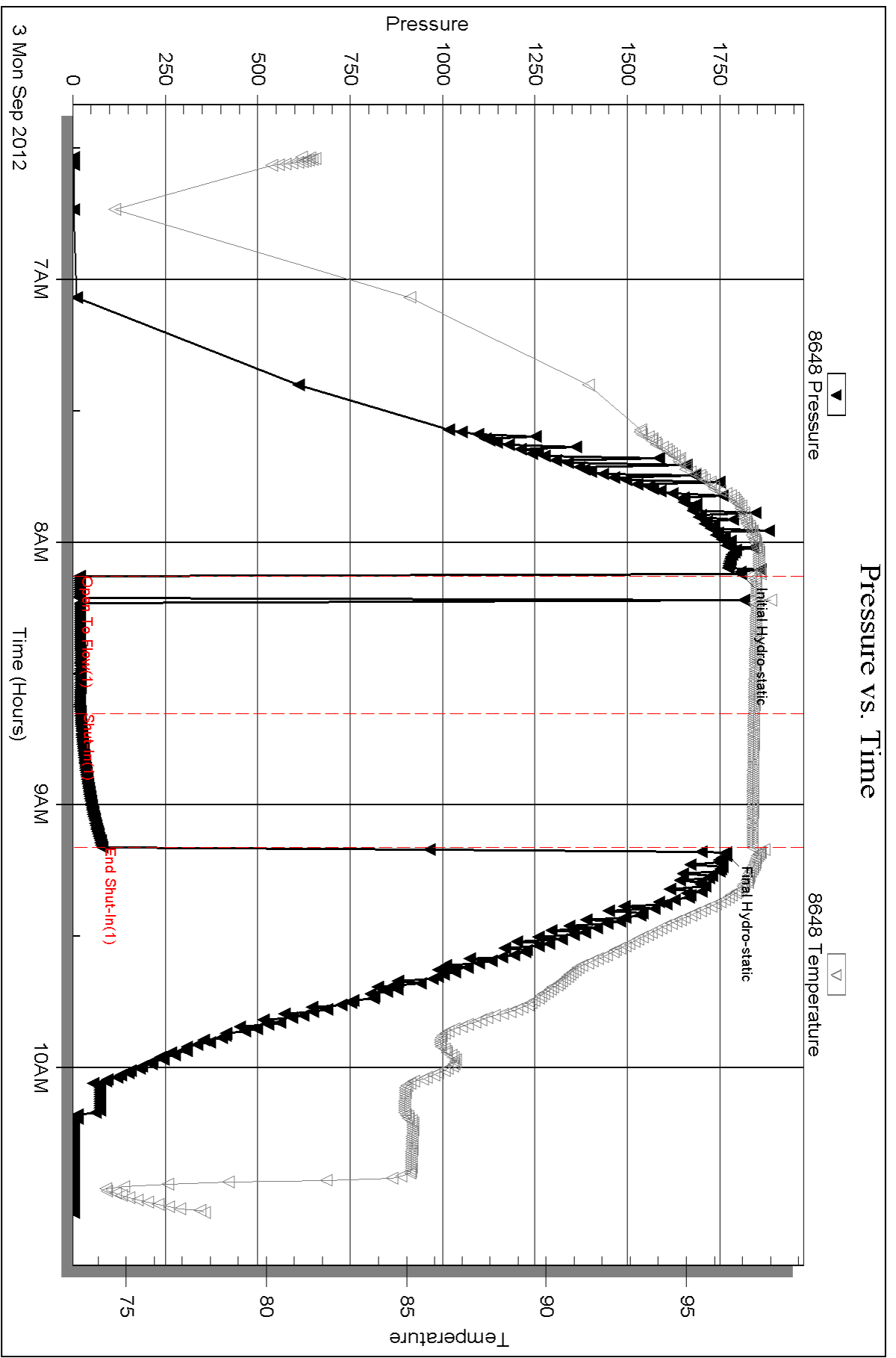
Serial #: 8648

Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 1



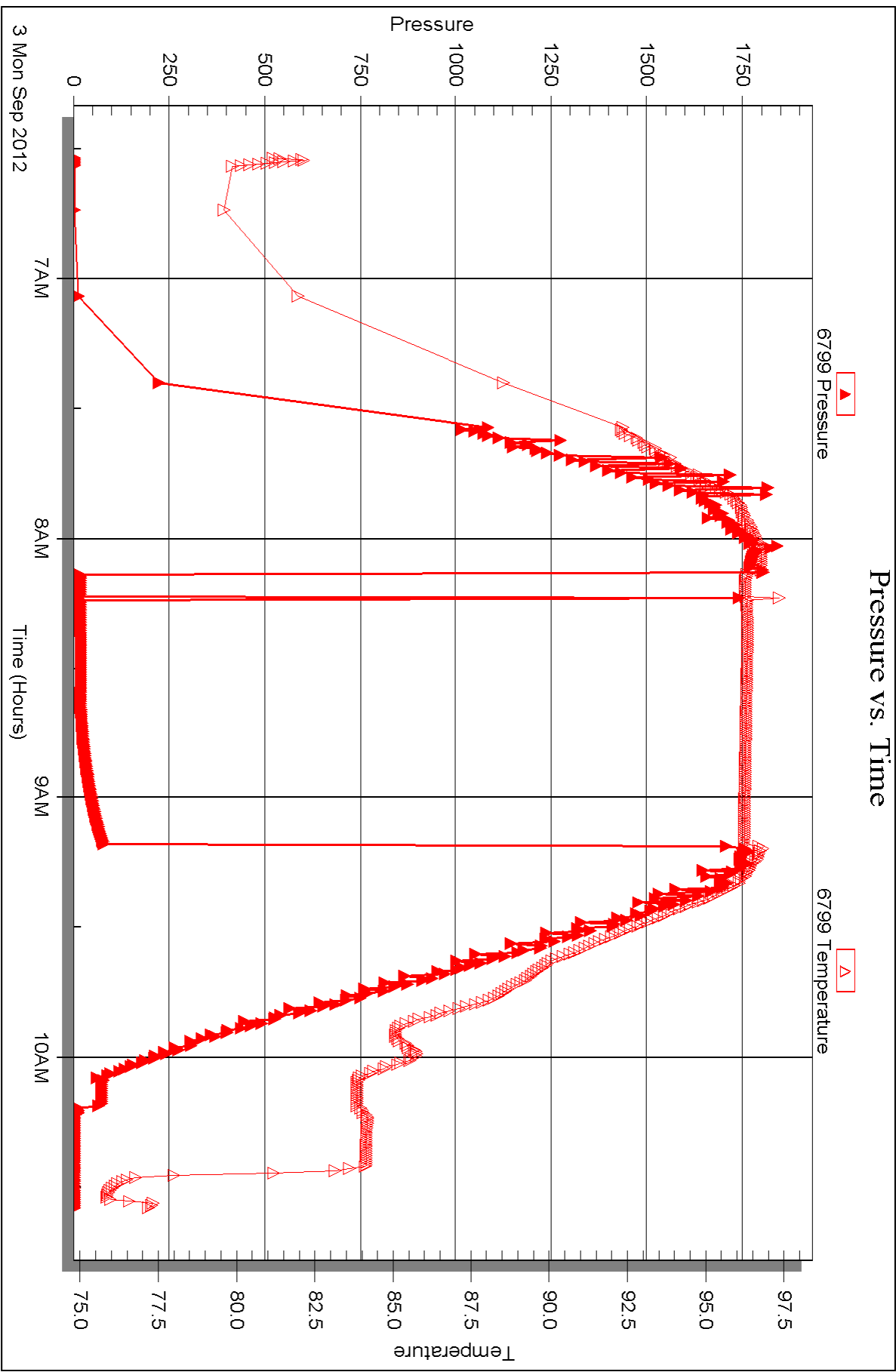
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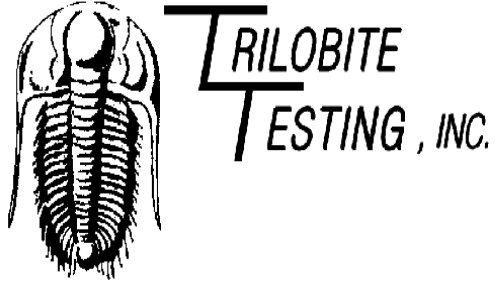
Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Baird Oil, Co.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.03 @ 18:24:00

End Date: 2012.09.04 @ 00:38:30

Job Ticket #: 48056 DST #: 2

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

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
 113 W Main
 Logan, KS 67646
 ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
 Job Ticket: 48056 **DST#: 2**
 Test Start: 2012.09.03 @ 18:24:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:55:30
 Time Test Ended: 00:38:30
 Interval: **3606.00 ft (KB) To 3646.00 ft (KB) (TVD)**
 Total Depth: 3646.00 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: 2344.00 ft (KB)
 2339.00 ft (CF)
 KB to GR/CF: 5.00 ft

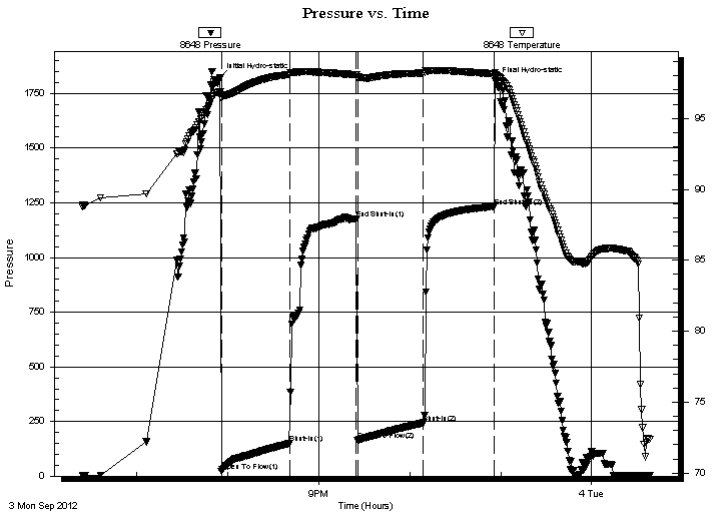
Serial #: 8648

Inside

Press @ Run Depth: 243.52 psig @ 3607.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.03 End Date: 2012.09.04 Last Calib.: 2012.09.04
 Start Time: 18:24:05 End Time: 00:38:29 Time On Btm: 2012.09.03 @ 19:54:45
 Time Off Btm: 2012.09.03 @ 22:56:15

TEST COMMENT: 45 - IF- BoB in 21 min.
 45 - IS- Weak Surface Return Started at 2 min. Built to 1 1/4"
 45 - FF- BoB in 27 min.
 45 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1823.21	96.85	Initial Hydro-static
1	23.04	96.43	Open To Flow (1)
46	148.85	98.10	Shut-In(1)
90	1175.95	98.07	End Shut-In(1)
91	164.72	97.82	Open To Flow (2)
135	243.52	98.21	Shut-In(2)
181	1233.37	98.16	End Shut-In(2)
182	1806.34	98.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	MW 5M 95W	1.47
252.00	MW 15M 85W	3.53
10.00	OSMW 30M 70W (oil spots)	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48056 **DST#: 2**
Test Start: 2012.09.03 @ 18:24:00

Tool Information

Drill Pipe:	Length: 3485.00 ft	Diameter: 3.80 inches	Volume: 48.89 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 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: 49.48 bbl		Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3606.00 ft			Final 43000.00 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
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Change Over Sub	1.00			3586.00	
Shut In Tool	5.00			3591.00	
Hydraulic tool	5.00			3596.00	
Packer	5.00			3601.00	21.00 Bottom Of Top Packer
Packer	5.00			3606.00	
Stubb	1.00			3607.00	
Recorder	0.00	8648	Inside	3607.00	
Recorder	0.00	6799	Inside	3607.00	
Perforations	3.00			3610.00	
Change Over Sub	1.00			3611.00	
Drill Pipe	31.00			3642.00	
Change Over Sub	1.00			3643.00	
Bullnose	3.00			3646.00	40.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48056 **DST#: 2**
Test Start: 2012.09.03 @ 18:24:00

Mud and Cushion Information

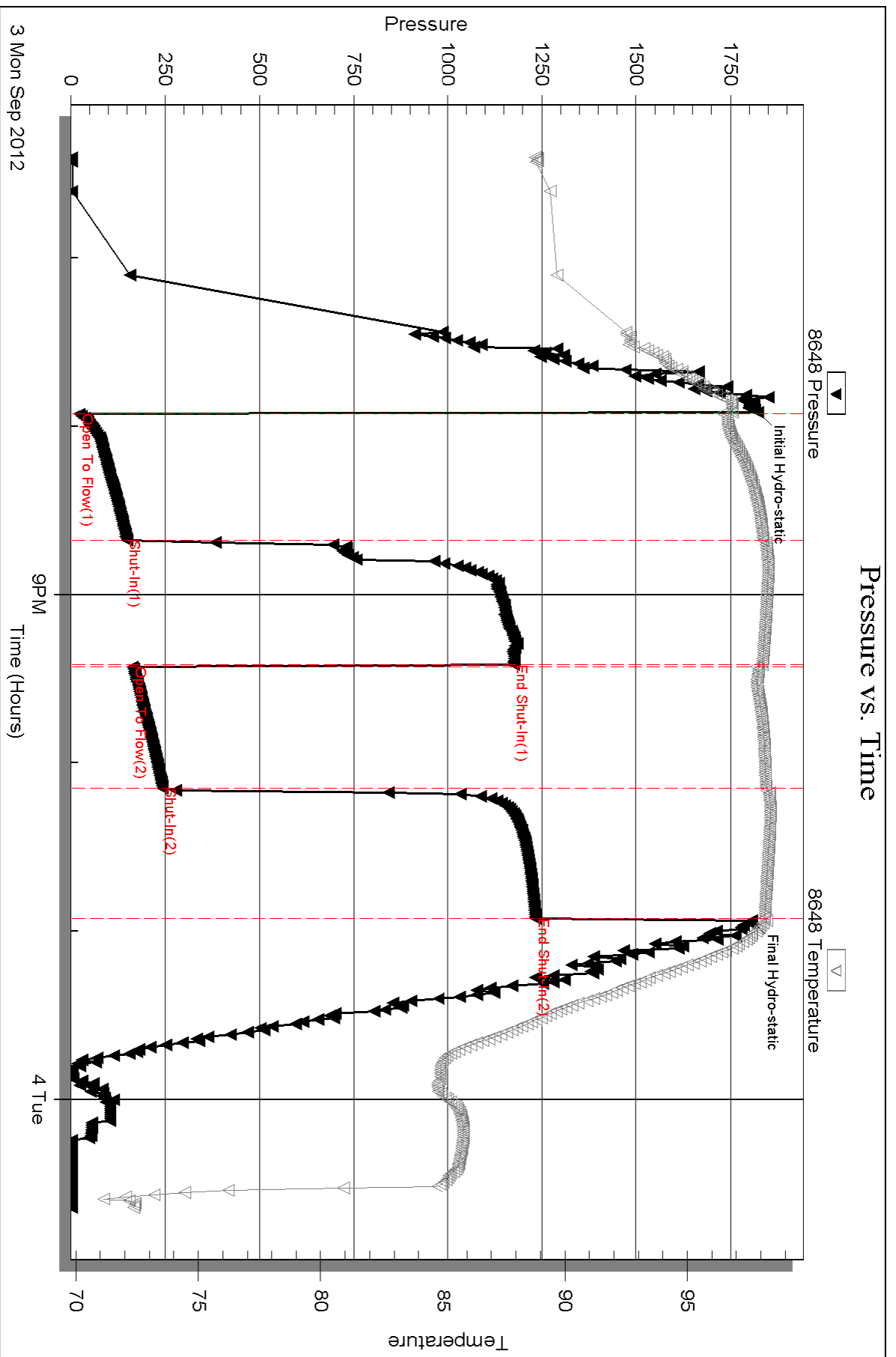
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	MW 5M 95W	1.474
252.00	MW 15M 85W	3.535
10.00	OSMW 30M 70W (oil spots)	0.140

Total Length: 445.00 ft Total Volume: 5.149 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



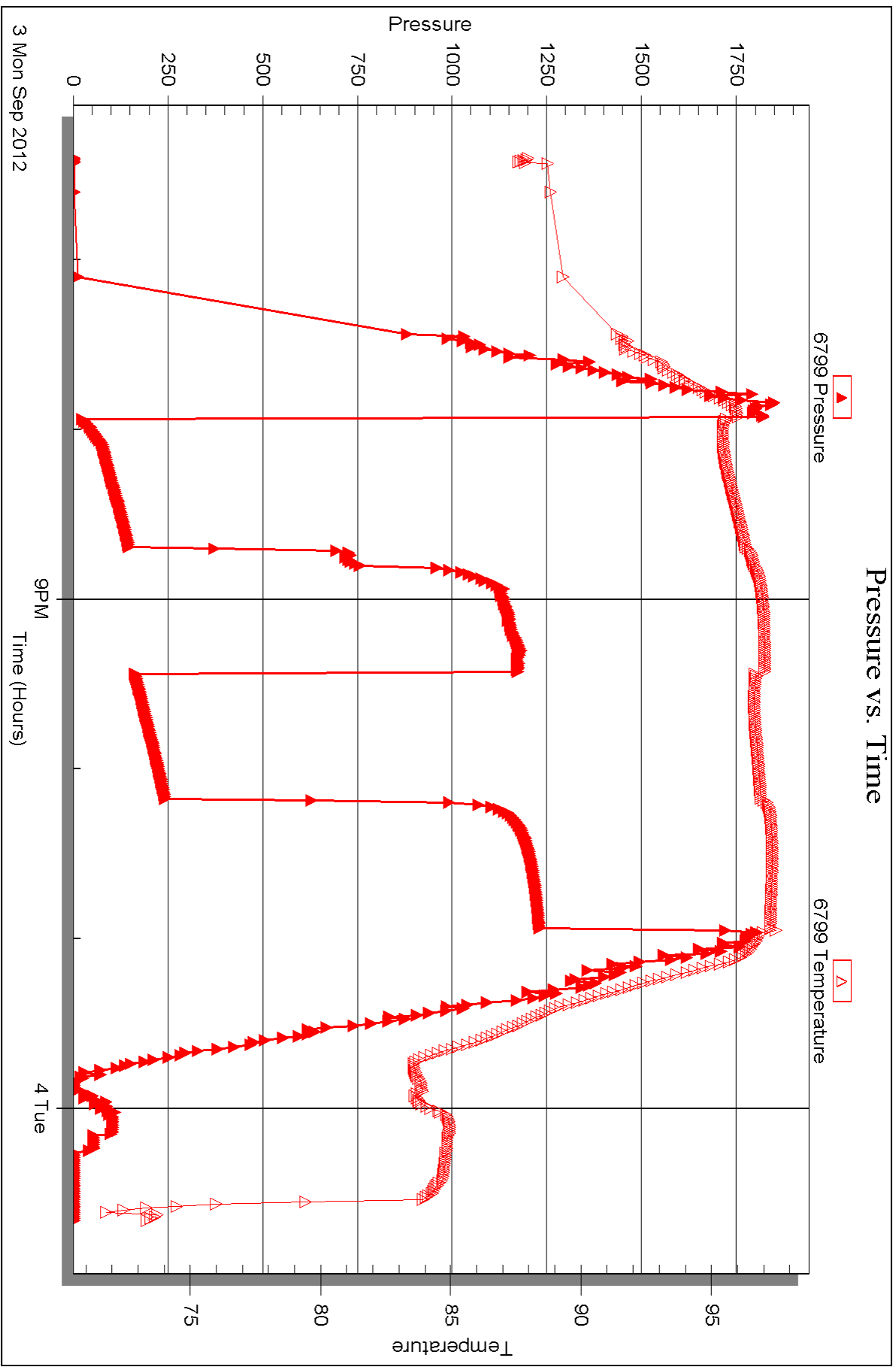
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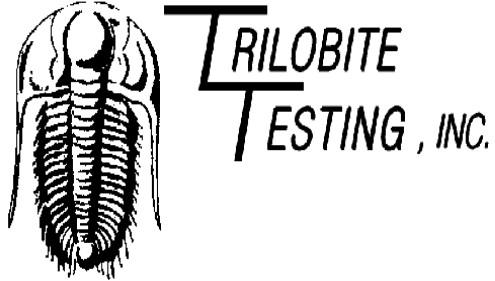
Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Baird Oil, Co.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.04 @ 07:30:00

End Date: 2012.09.04 @ 13:09:15

Job Ticket #: 48057 DST #: 3

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

Printed: 2012.09.11 @ 14:39:13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

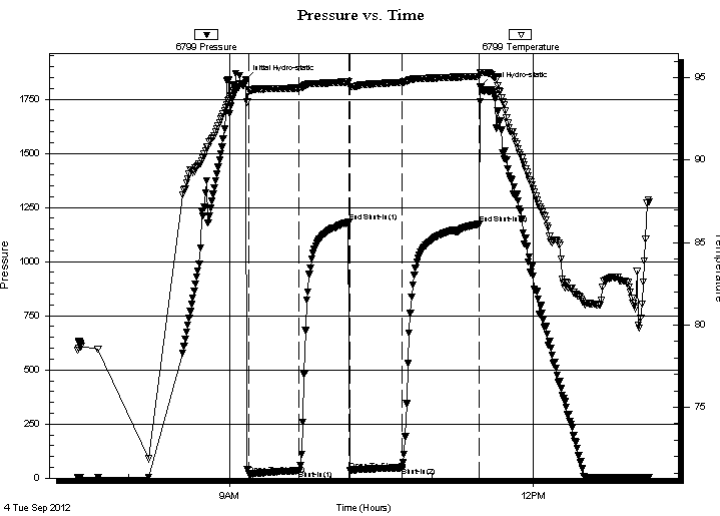
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48057 **DST#: 3**
Test Start: 2012.09.04 @ 07:30:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:11:15
Time Test Ended: 13:09:15
Interval: **3645.00 ft (KB) To 3668.00 ft (KB) (TVD)**
Total Depth: 3668.00 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: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 Inside
Press @ Run Depth: 49.36 psig @ 3646.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.04 End Date: 2012.09.04 Last Calib.: 2012.09.04
Start Time: 07:30:05 End Time: 13:09:14 Time On Btm: 2012.09.04 @ 09:09:45
Time Off Btm: 2012.09.04 @ 11:28:45

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1838.38	94.73	Initial Hydro-static
2	18.98	94.27	Open To Flow (1)
32	34.98	94.38	Shut-In(1)
61	1181.66	94.76	End Shut-In(1)
62	36.48	94.48	Open To Flow (2)
93	49.36	94.72	Shut-In(2)
138	1172.81	95.09	End Shut-In(2)
139	1805.74	95.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSM 100M (oil spots)	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48057 **DST#: 3**
Test Start: 2012.09.04 @ 07:30:00

Tool Information

Drill Pipe:	Length: 3522.00 ft	Diameter: 3.80 inches	Volume: 49.40 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 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:	48000.00 lb
			<u>Total Volume: 49.99 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3645.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	44.00 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			3625.00	
Shut In Tool	5.00			3630.00	
Hydraulic tool	5.00			3635.00	
Packer	5.00			3640.00	21.00 Bottom Of Top Packer
Packer	5.00			3645.00	
Stubb	1.00			3646.00	
Recorder	0.00	8648	Inside	3646.00	
Recorder	0.00	6799	Inside	3646.00	
Perforations	17.00			3663.00	
Bullnose	5.00			3668.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48057 **DST#: 3**
Test Start: 2012.09.04 @ 07:30:00

Mud and Cushion Information

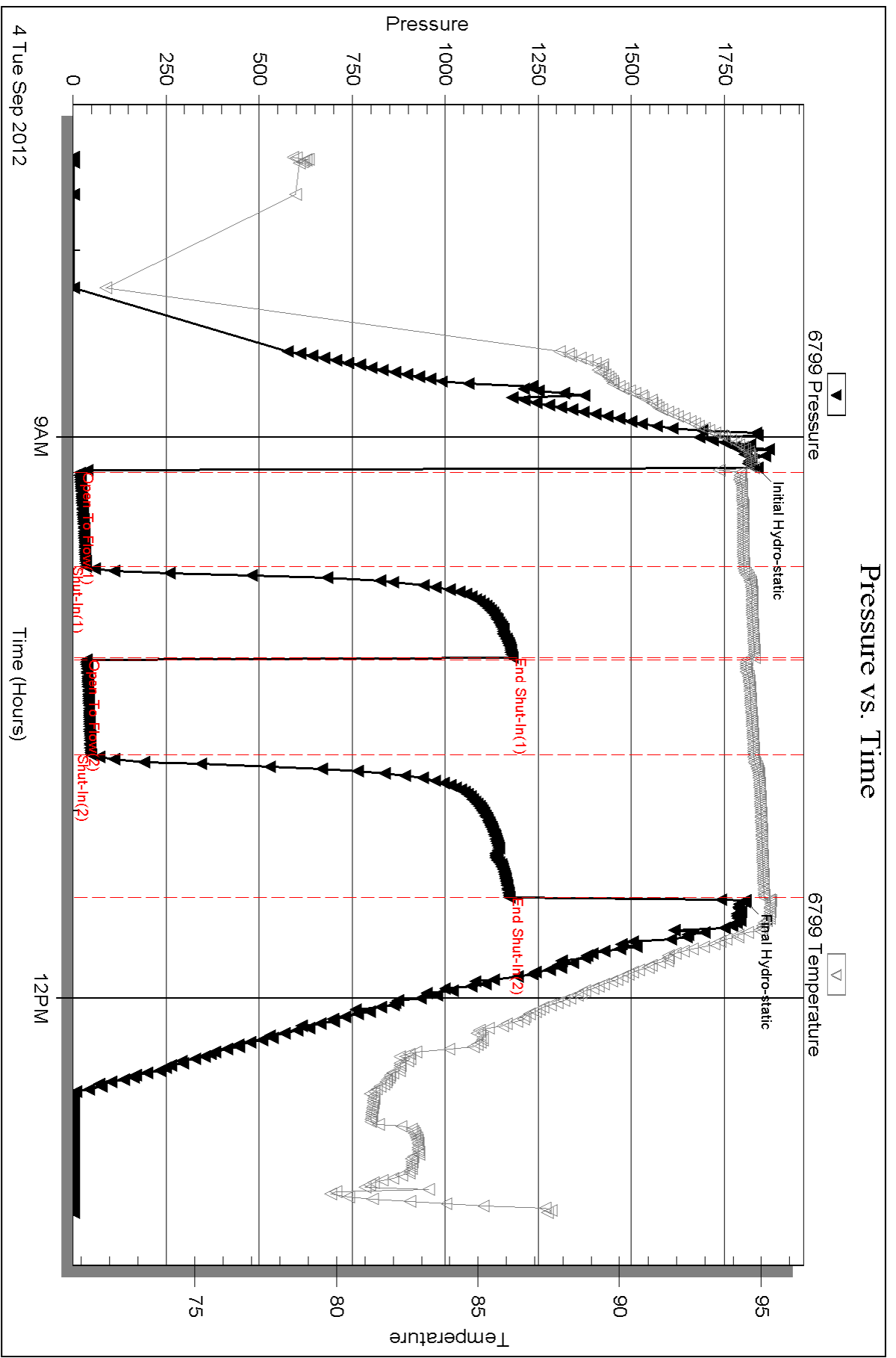
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSM 100M (oil spots)	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



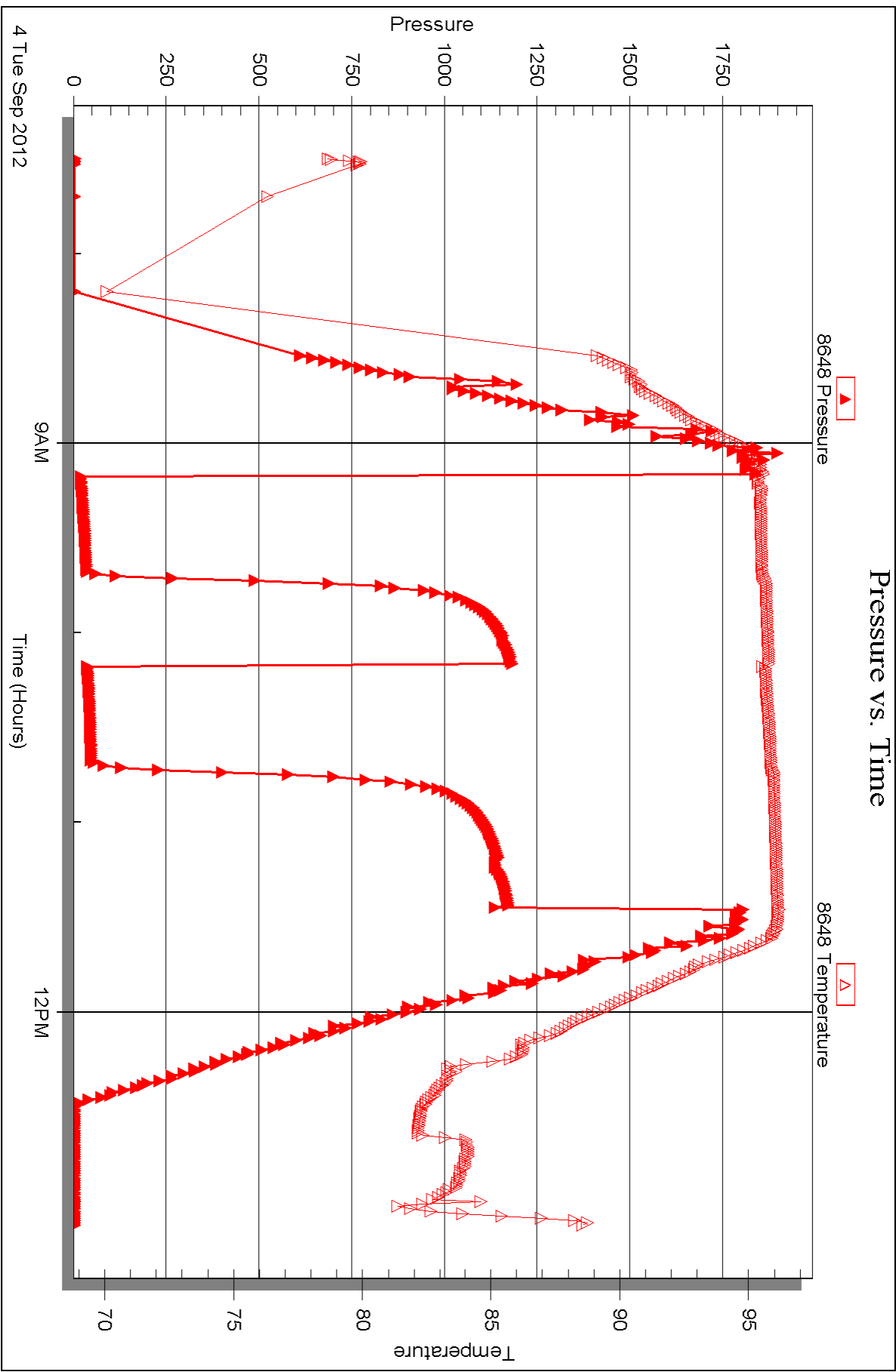
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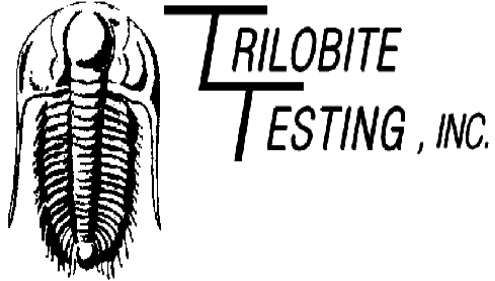
Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Baird Oil, Co.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.05 @ 03:29:00

End Date: 2012.09.05 @ 11:06:15

Job Ticket #: 48058 DST #: 4

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

Printed: 2012.09.11 @ 14:38:28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48058 **DST#: 4**
Test Start: 2012.09.05 @ 03:29:00

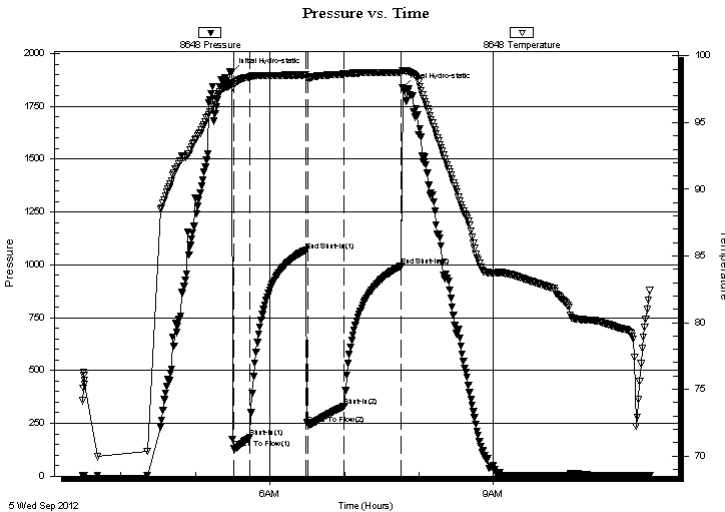
GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:30:45
Time Test Ended: 11:06:15
Interval: **3779.00 ft (KB) To 3820.00 ft (KB) (TVD)**
Total Depth: 3820.00 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: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648 **Inside**
Press @ Run Depth: 331.56 psig @ 3780.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.05 End Date: 2012.09.05 Last Calib.: 2012.09.05
Start Time: 03:29:05 End Time: 11:06:14 Time On Btm: 2012.09.05 @ 05:28:45
Time Off Btm: 2012.09.05 @ 07:46:45

TEST COMMENT: 15 - IF- BoB in 3 min
45 - IS- No Return
15 - FF- BoB in 5 min.
45 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.97	97.89	Initial Hydro-static
2	131.43	97.83	Open To Flow (1)
15	183.89	98.42	Shut-In(1)
60	1068.28	98.58	End Shut-In(1)
62	247.59	98.29	Open To Flow (2)
91	331.56	98.63	Shut-In(2)
137	995.38	98.78	End Shut-In(2)
138	1839.09	98.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCMW 2o 93W 5M	0.59
189.00	GOCMW 29G 1o 60W 10M	2.65
189.00	OCMW 5o 40W 50M	2.65
156.00	OCWM 10o 40W 50M	2.19
1.00	Free Oil 100o	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48058 **DST#: 4**
Test Start: 2012.09.05 @ 03:29:00

Tool Information

Drill Pipe:	Length: 3648.00 ft	Diameter: 3.80 inches	Volume: 51.17 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: 60000.00 lb
			<u>Total Volume: 51.76 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3779.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	62.00 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			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Packer	5.00			3774.00	21.00 Bottom Of Top Packer
Packer	5.00			3779.00	
Stubb	1.00			3780.00	
Recorder	0.00	8648	Inside	3780.00	
Recorder	0.00	6799	Inside	3780.00	
Perforations	2.00			3782.00	
Change Over Sub	1.00			3783.00	
Drill Pipe	31.00			3814.00	
Change Over Sub	1.00			3815.00	
Bullnose	5.00			3820.00	41.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48058 **DST#: 4**
Test Start: 2012.09.05 @ 03:29:00

Mud and Cushion Information

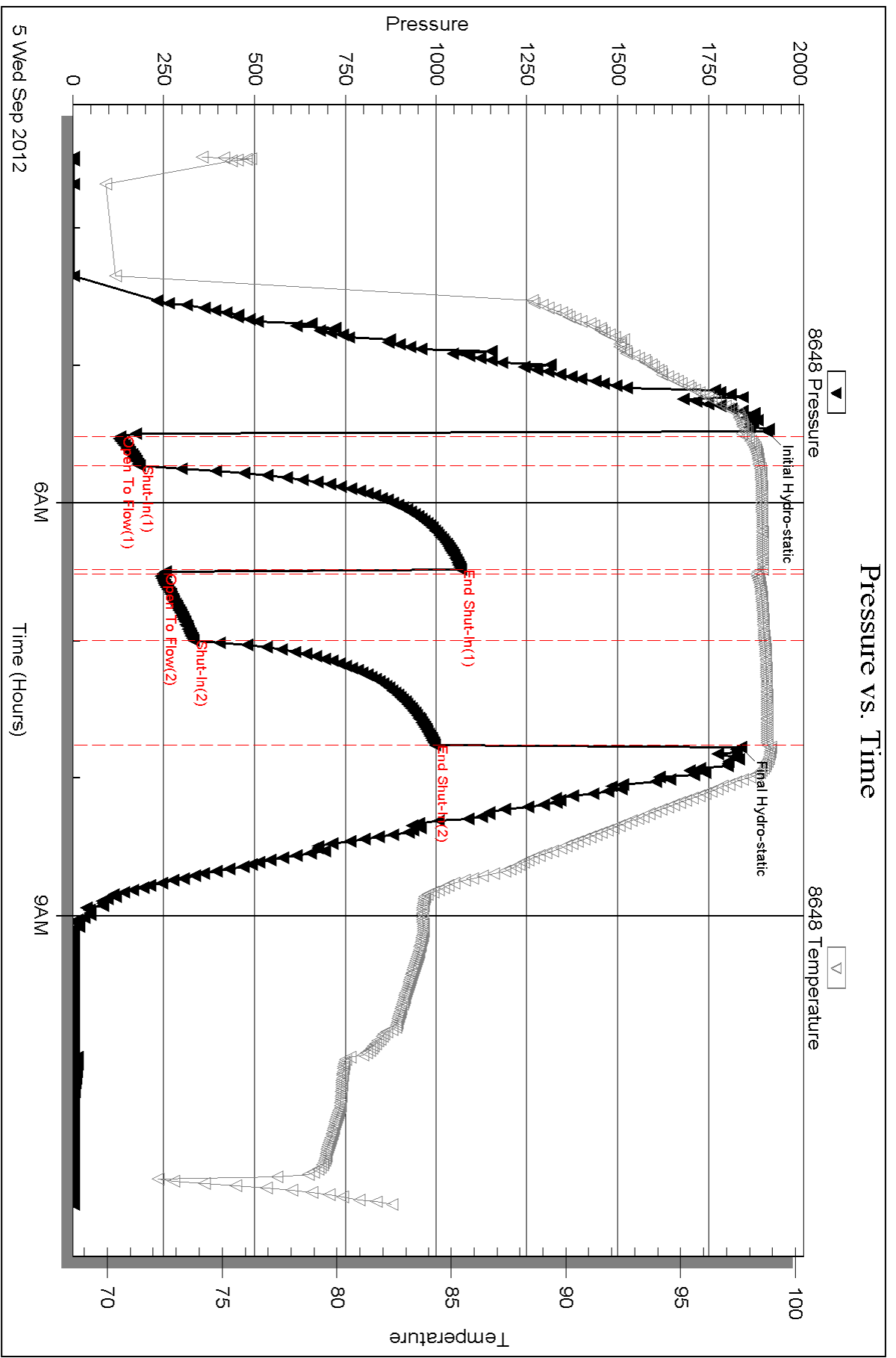
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCMW 2o 93W 5M	0.590
189.00	GOCMW 29G 1o 60W 10M	2.651
189.00	OCMW 5o 40W 50M	2.651
156.00	OCWM 10o 40W 50M	2.188
1.00	Free Oil 100o	0.014

Total Length: 655.00 ft Total Volume: 8.094 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



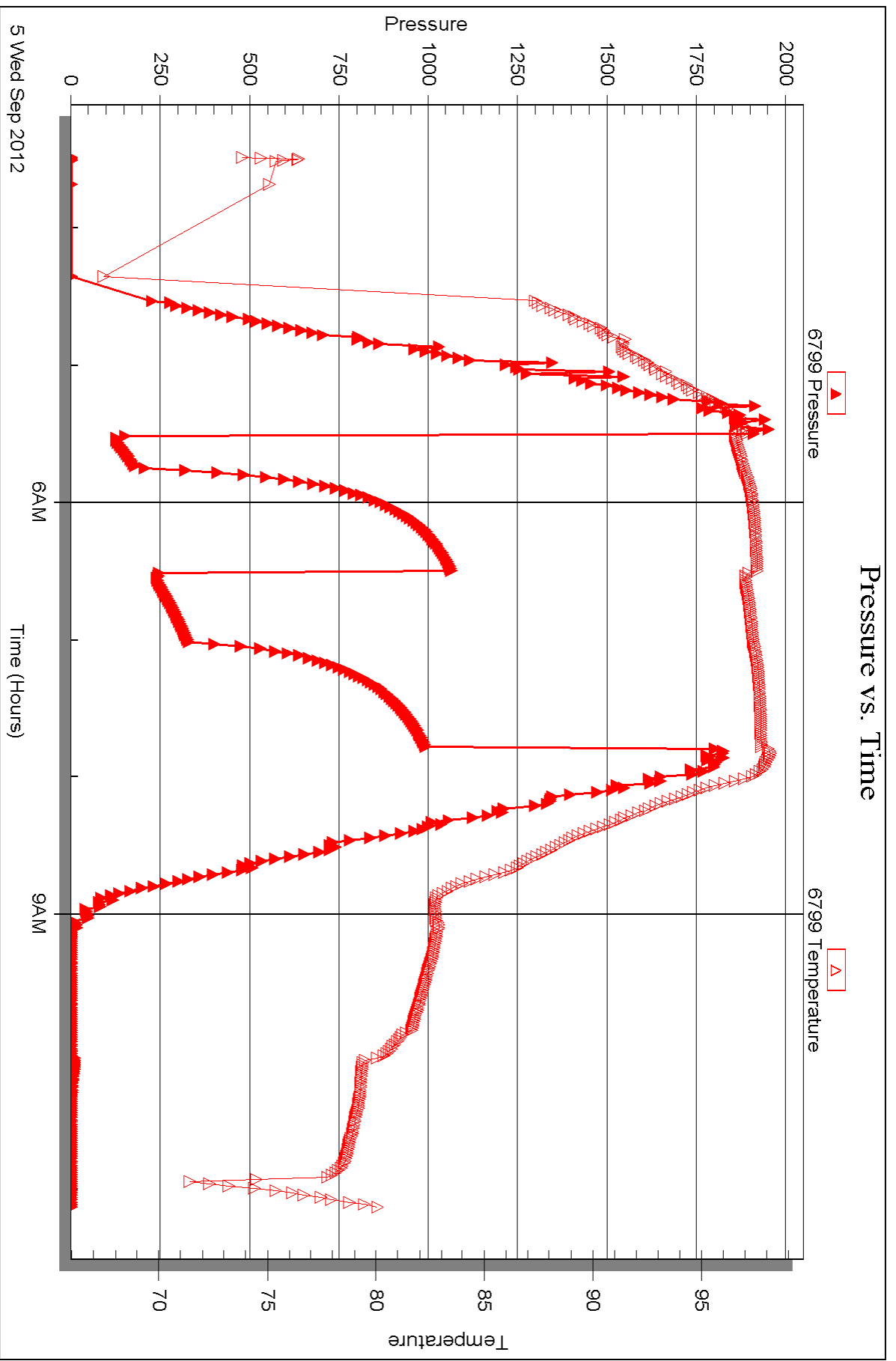
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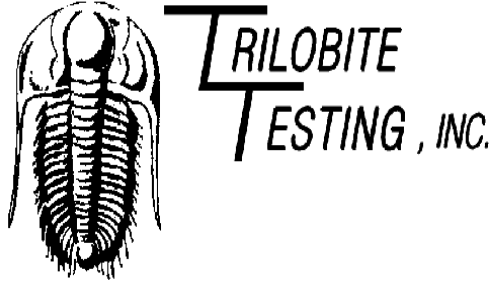
Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Baird Oil, Co.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.05 @ 17:20:00

End Date: 2012.09.05 @ 22:13:45

Job Ticket #: 48059 DST #: 5

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

Printed: 2012.09.11 @ 14:37:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
 113 W Main
 Logan, KS 67646
 ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
 Job Ticket: 48059 **DST#: 5**
 Test Start: 2012.09.05 @ 17:20:00

GENERAL INFORMATION:

Formation: **Bsl. Penn Sd**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:56:45
 Time Test Ended: 22:13:45
 Interval: **3840.00 ft (KB) To 3855.00 ft (KB) (TVD)**
 Total Depth: 3855.00 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: 2344.00 ft (KB)
 2339.00 ft (CF)
 KB to GR/CF: 5.00 ft

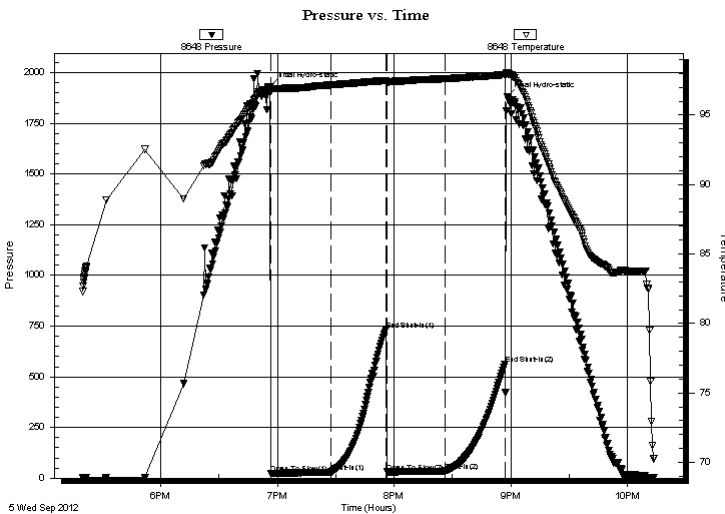
Serial #: 8648

Inside

Press @ Run Depth: 35.48 psig @ 3841.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.05 End Date: 2012.09.05 Last Calib.: 2012.09.05
 Start Time: 17:20:05 End Time: 22:13:44 Time On Btm: 2012.09.05 @ 18:56:15
 Time Off Btm: 2012.09.05 @ 20:58:15

TEST COMMENT: 30 - IF- 1/8" Blow did not build or die
 30 - IS- No Return
 30 - FF- No Blow
 30 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1931.06	96.98	Initial Hydro-static
1	22.32	96.73	Open To Flow (1)
31	28.04	97.16	Shut-In(1)
60	731.89	97.47	End Shut-In(1)
60	30.59	97.27	Open To Flow (2)
90	35.48	97.61	Shut-In(2)
121	562.84	97.91	End Shut-In(2)
122	1880.13	97.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100M (oil spots)	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48059 **DST#: 5**
Test Start: 2012.09.05 @ 17:20:00

Tool Information

Drill Pipe:	Length: 3711.00 ft	Diameter: 3.80 inches	Volume: 52.06 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:	45000.00 lb
			<u>Total Volume: 52.65 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3840.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	44.00 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			3812.00	
Shut In Tool	5.00			3817.00	
Hydraulic tool	5.00			3822.00	
Jars	5.00			3827.00	
Safety Joint	3.00			3830.00	
Packer	5.00			3835.00	29.00 Bottom Of Top Packer
Packer	5.00			3840.00	
Stubb	1.00			3841.00	
Recorder	0.00	8648	Inside	3841.00	
Recorder	0.00	6799	Inside	3841.00	
Perforations	9.00			3850.00	
Bullnose	5.00			3855.00	15.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48059 **DST#: 5**
Test Start: 2012.09.05 @ 17:20:00

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100M (oil spots)	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

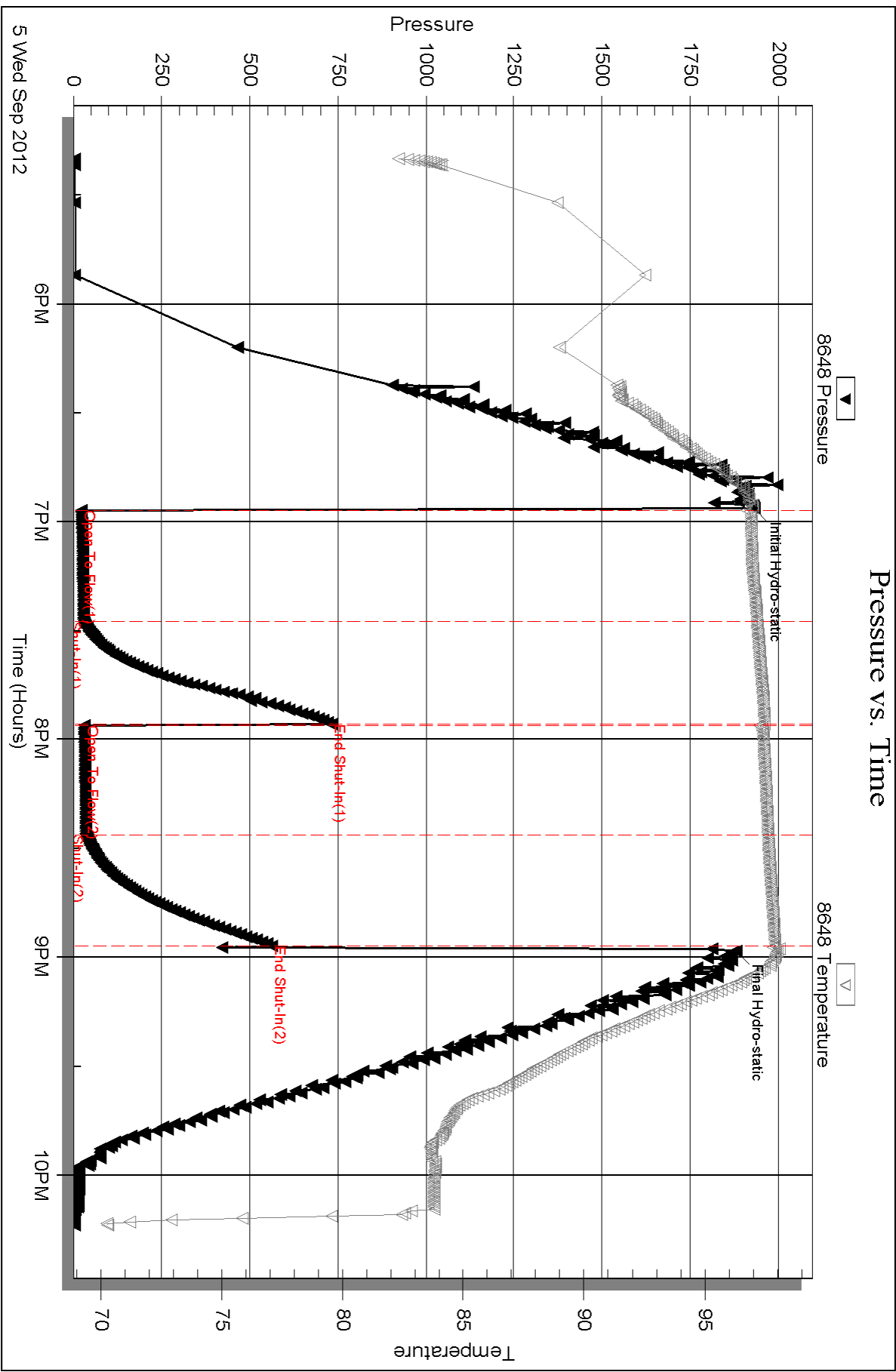
Serial #: 8648

Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 5



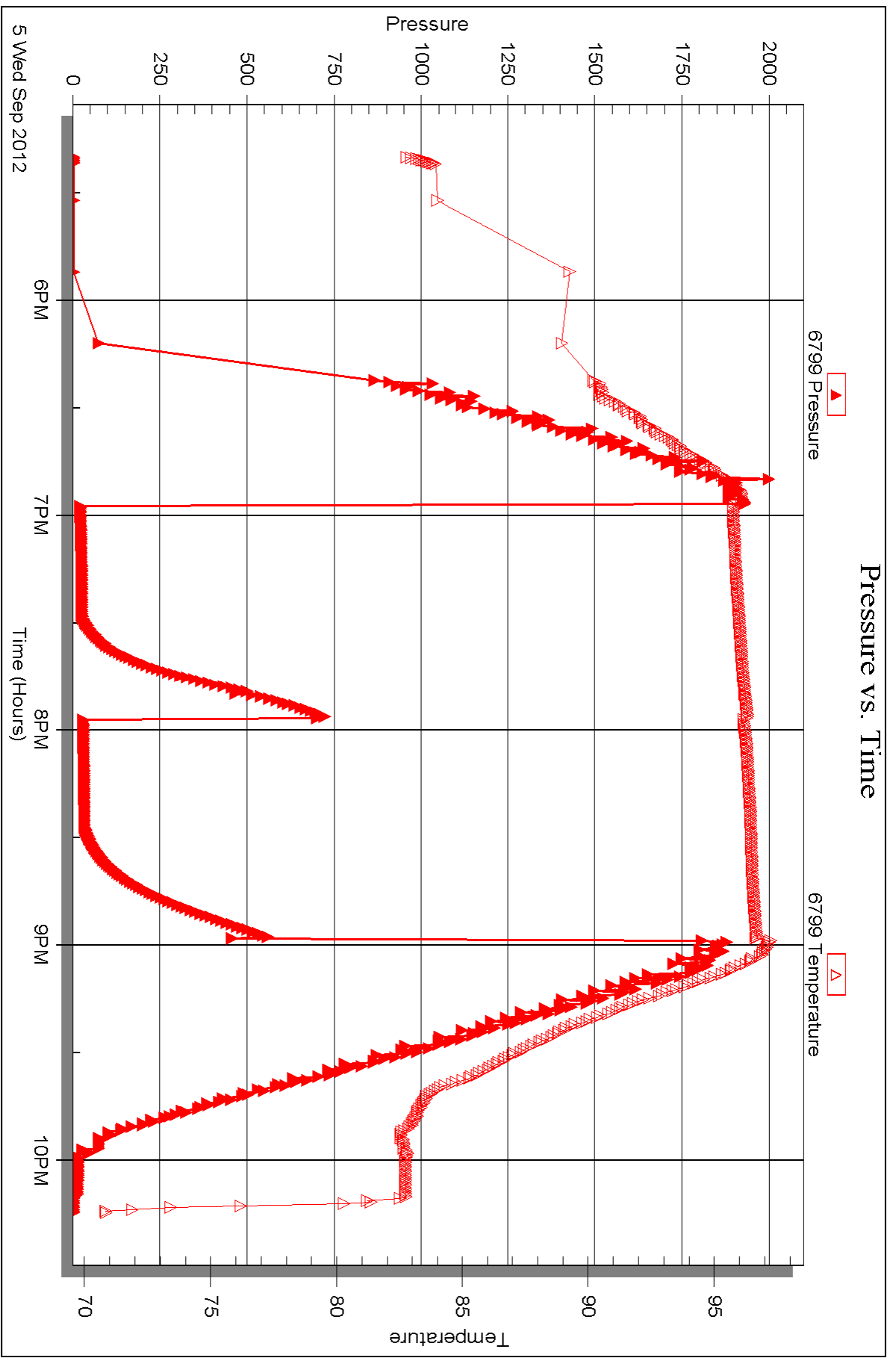
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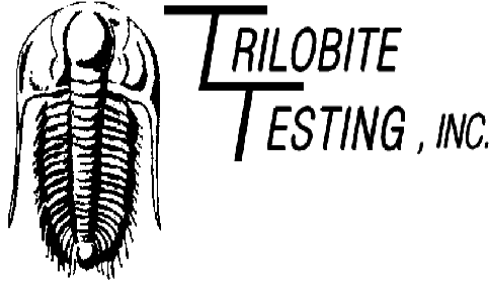
Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Baird Oil, Co.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.06 @ 03:21:00

End Date: 2012.09.06 @ 08:31:30

Job Ticket #: 48060 DST #: 6

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

Printed: 2012.09.11 @ 14:36:33



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48060 **DST#: 6**
Test Start: 2012.09.06 @ 03:21:00

GENERAL INFORMATION:

Formation: **Bsl. Penn. Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:53:15
Time Test Ended: 08:31:30
Interval: **3855.00 ft (KB) To 3870.00 ft (KB) (TVD)**
Total Depth: 3870.00 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: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

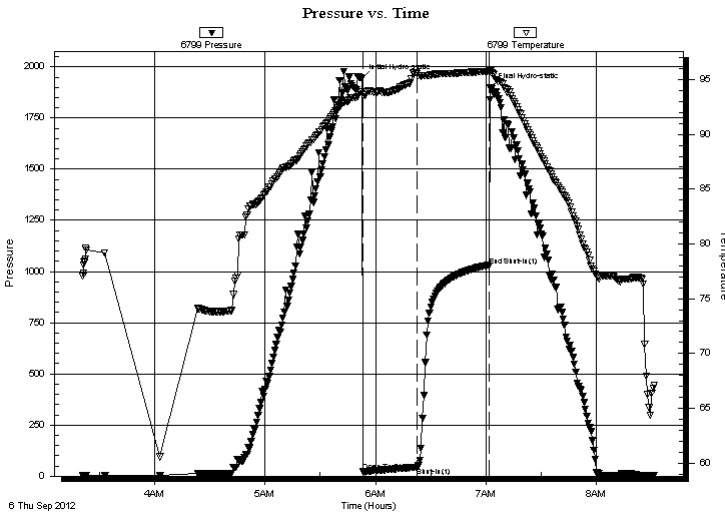
Serial #: 6799

Inside

Press @ Run Depth: 44.93 psig @ 3856.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.06 End Date: 2012.09.06 Last Calib.: 2012.09.06
Start Time: 03:21:05 End Time: 08:31:29 Time On Btm: 2012.09.06 @ 05:52:30
Time Off Btm: 2012.09.06 @ 07:02:30

TEST COMMENT: 30 - IF- Weak surface blow died in 3 min.
30 - IS- No Return
Pulled tool at end of "IS"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1943.84	93.93	Initial Hydro-static
1	21.14	93.60	Open To Flow (1)
30	44.93	95.56	Shut-In(1)
69	1026.69	95.76	End Shut-In(1)
70	1899.93	95.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48060 **DST#: 6**
Test Start: 2012.09.06 @ 03:21:00

Tool Information

Drill Pipe:	Length: 3711.00 ft	Diameter: 3.80 inches	Volume: 52.06 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: 60000.00 lb
			<u>Total Volume: 52.65 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3855.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	44.00 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			3827.00	
Shut In Tool	5.00			3832.00	
Hydraulic tool	5.00			3837.00	
Jars	5.00			3842.00	
Safety Joint	3.00			3845.00	
Packer	5.00			3850.00	29.00 Bottom Of Top Packer
Packer	5.00			3855.00	
Stubb	1.00			3856.00	
Recorder	0.00	8648	Inside	3856.00	
Recorder	0.00	6799	Inside	3856.00	
Perforations	9.00			3865.00	
Bullnose	5.00			3870.00	15.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48060 **DST#: 6**
Test Start: 2012.09.06 @ 03:21:00

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 100M	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:

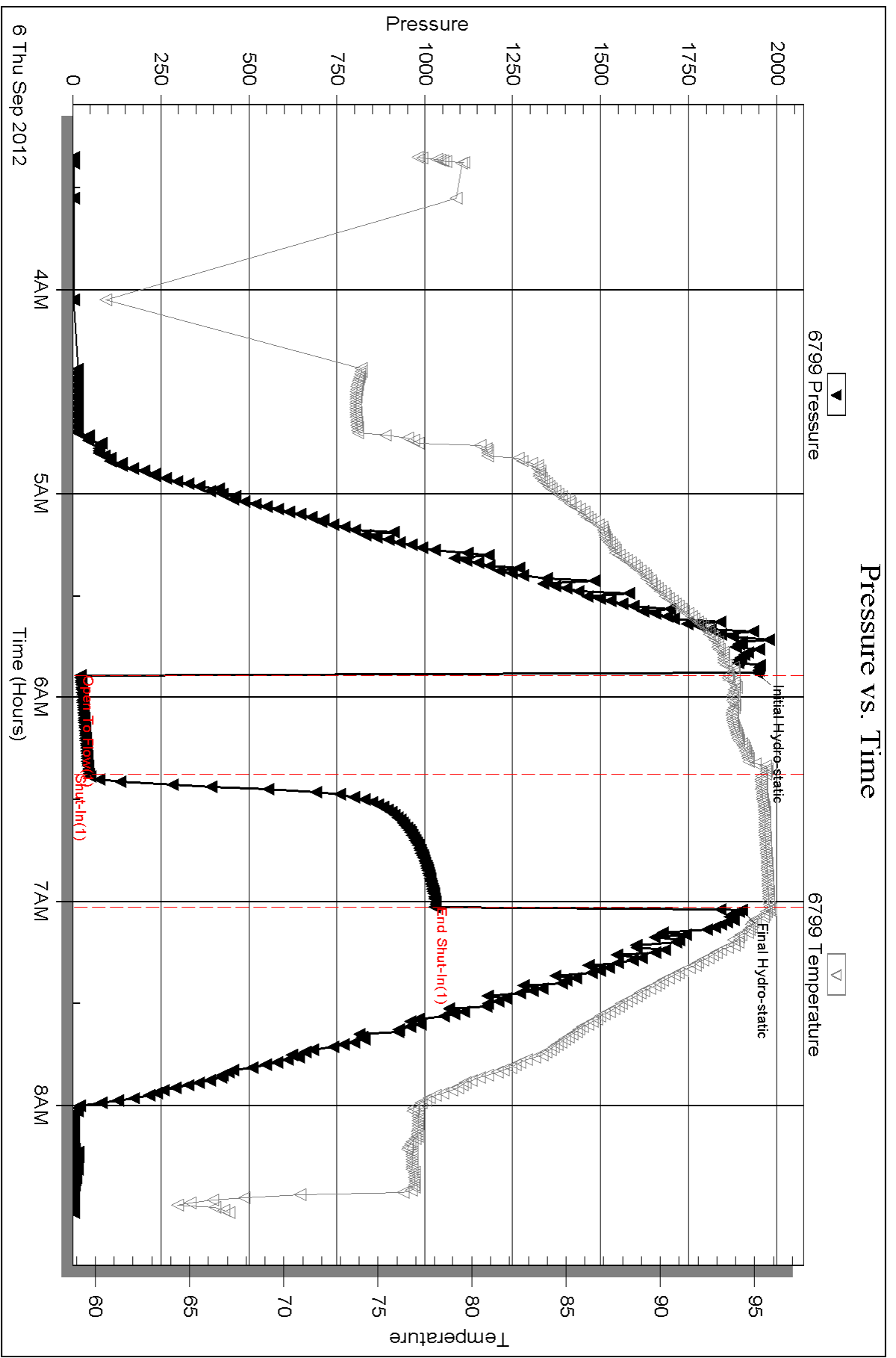
Serial #: 6799

Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 6



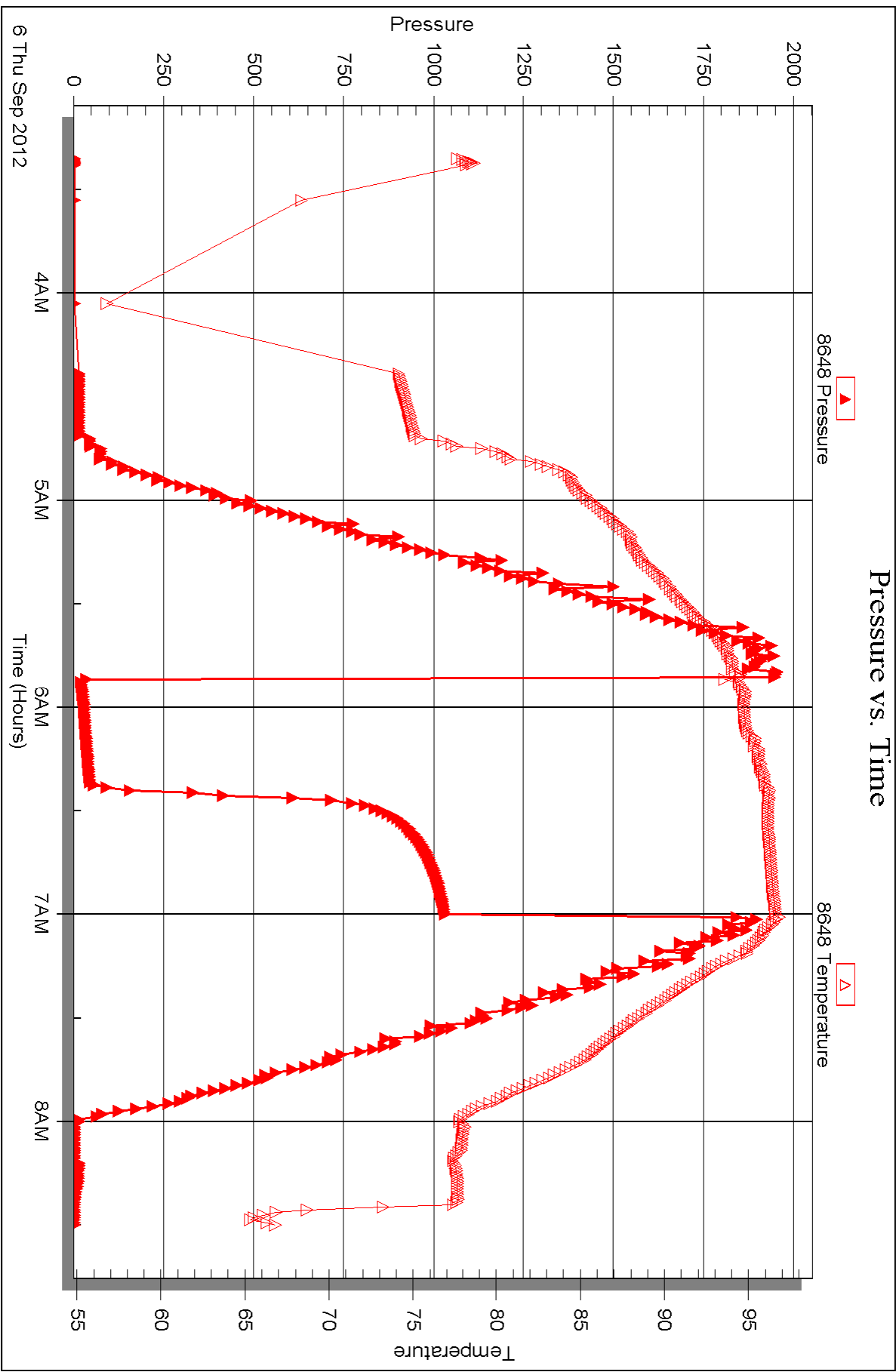
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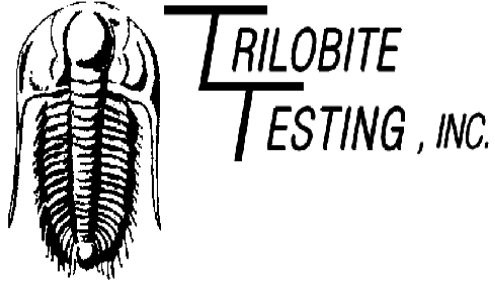
Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 6





DRILL STEM TEST REPORT

Prepared For: **Baird Oil, Co.**

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.06 @ 17:57:00

End Date: 2012.09.07 @ 02:04:30

Job Ticket #: 48061 DST #: 7

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

Printed: 2012.09.11 @ 14:35:40



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
 113 W Main
 Logan, KS 67646
 ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
 Job Ticket: 48061 **DST#: 7**
 Test Start: 2012.09.06 @ 17:57:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:59:45
 Time Test Ended: 02:04:30
 Interval: **3805.00 ft (KB) To 3814.00 ft (KB) (TVD)**
 Total Depth: 3893.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Initial)
 Tester: Kevin Mack
 Unit No: 43
 Reference Elevations: 2344.00 ft (KB)
 2339.00 ft (CF)
 KB to GR/CF: 5.00 ft

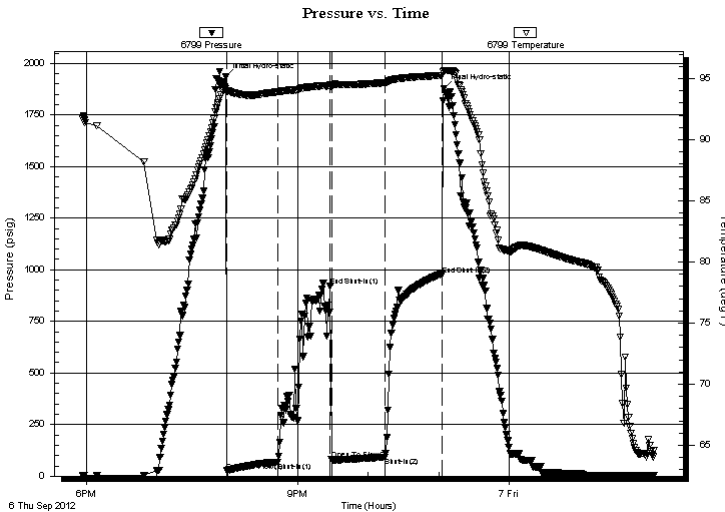
Serial #: 6799

Inside

Press @ Run Depth: 92.01 psig @ 3806.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.06 End Date: 2012.09.07 Last Calib.: 2012.09.07
 Start Time: 17:57:05 End Time: 02:04:29 Time On Btm: 2012.09.06 @ 19:58:45
 Time Off Btm: 2012.09.06 @ 23:04:45

TEST COMMENT: 45 - IF- Surface Blow built to 8 1/4"
 45 - IS- Surface Return started at 5 in. Built to 2"
 30 - FF- Surface Blow built to 7 1/4"
 30 - FS- Surface Return started at 35 min. Did not build or die.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.55	94.18	Initial Hydro-static
1	25.46	93.92	Open To Flow (1)
44	68.39	93.90	Shut-In(1)
89	919.95	94.46	End Shut-In(1)
90	80.39	94.26	Open To Flow (2)
135	92.01	94.66	Shut-In(2)
184	977.21	95.26	End Shut-In(2)
186	1878.37	95.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCMW 30M 30o 40W	0.30
120.00	Free Oil 100o	1.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48061 **DST#: 7**
Test Start: 2012.09.06 @ 17:57:00

Tool Information

Drill Pipe:	Length: 3684.00 ft	Diameter: 3.80 inches	Volume: 51.68 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:	50000.00 lb
			<u>Total Volume: 52.27 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3805.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	3810.00 ft				
Interval between Packers:	5.00 ft				
Tool Length:	109.00 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			3785.00	
Shut In Tool	5.00			3790.00	
Hydraulic tool	5.00			3795.00	
Packer	5.00			3800.00	21.00 Bottom Of Top Packer
Packer	5.00			3805.00	
Stubb	1.00			3806.00	
Recorder	0.00	8648	Inside	3806.00	
Recorder	0.00	6799	Inside	3806.00	
Perforations	3.00			3809.00	
Blank Off Sub	1.00			3810.00	5.00 Tool Interval
Packer	4.00			3814.00	
Stubb	1.00			3815.00	
Perforations	8.00			3823.00	
Change Over Sub	1.00			3824.00	
Recorder	0.00	8655	Below	3824.00	
Drill Pipe	63.00			3887.00	
Change Over Sub	1.00			3888.00	
Bullnose	5.00			3893.00	83.00 Bottom Packers & Anchor
Total Tool Length:	109.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48061 **DST#: 7**
Test Start: 2012.09.06 @ 17:57:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 18 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2800.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCMW 30M 30o 40W	0.295
120.00	Free Oil 100o	1.137

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 20 @ 80 deg = 18 cor.

Serial #: 6799

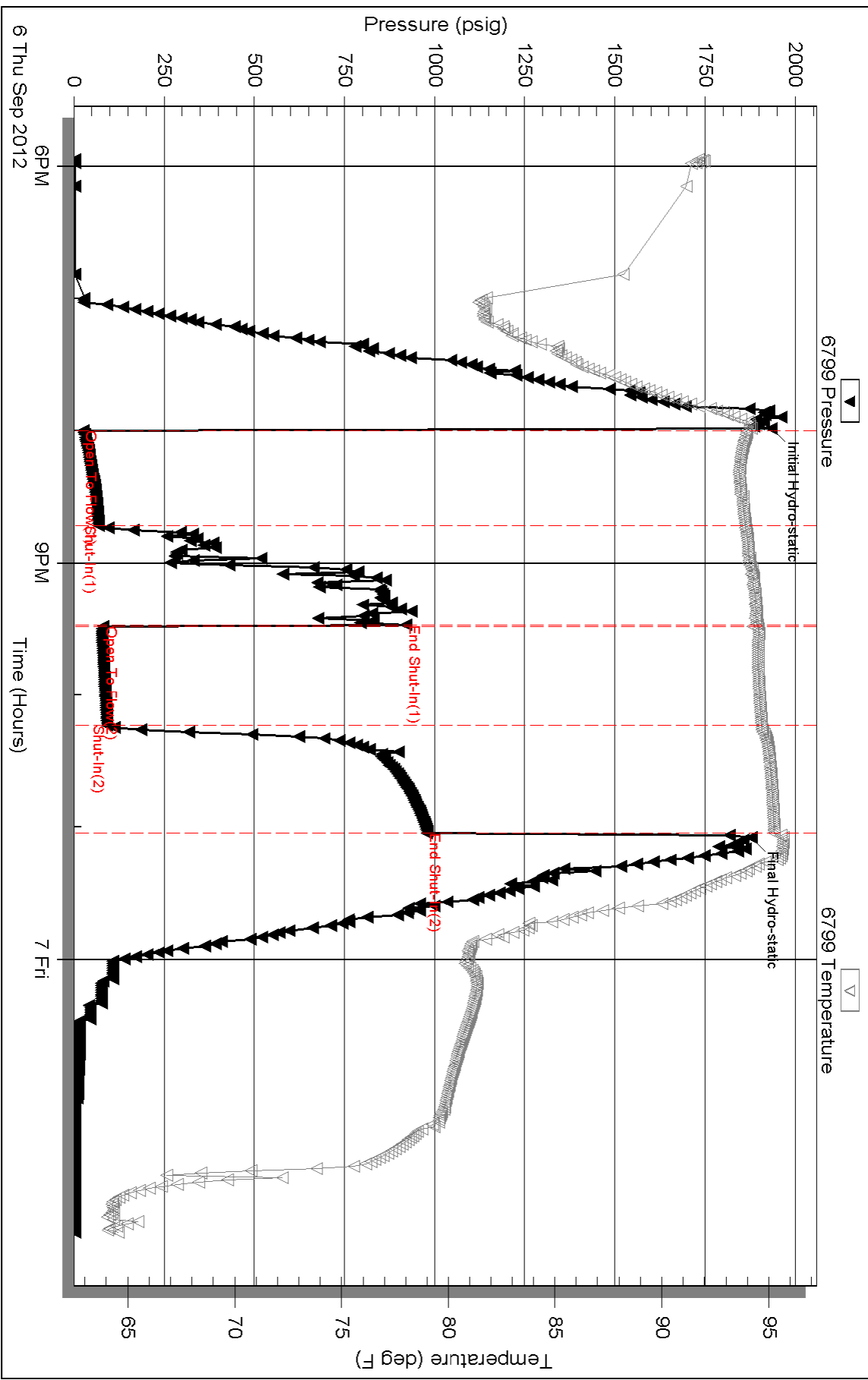
Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 7

Pressure vs. Time



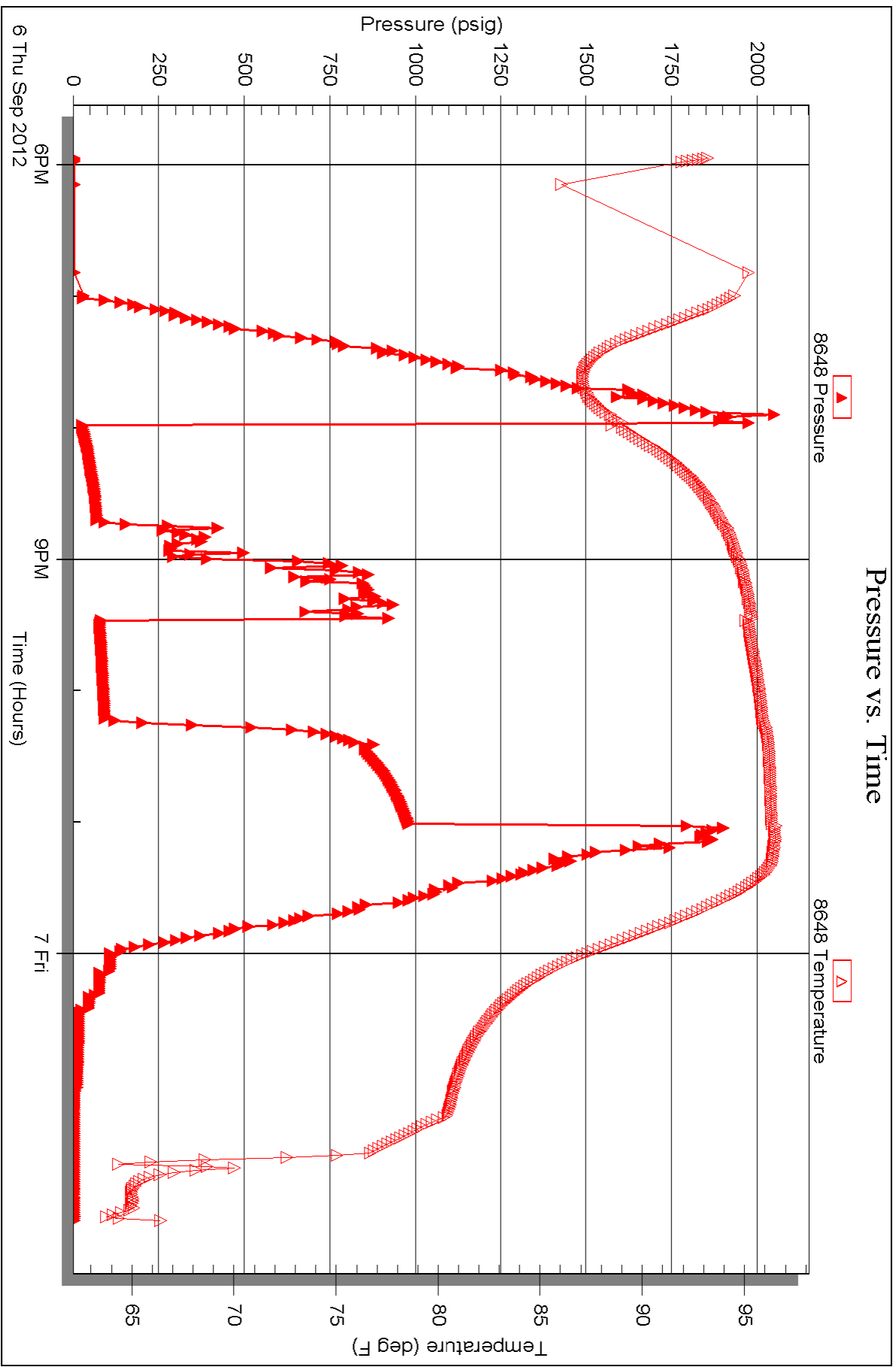
Serial #: 8648

Inside

Baird Oil, Co.

Jacobson #1-25

DST Test Number: 7



Triobite Testing, Inc

Ref. No: 48061

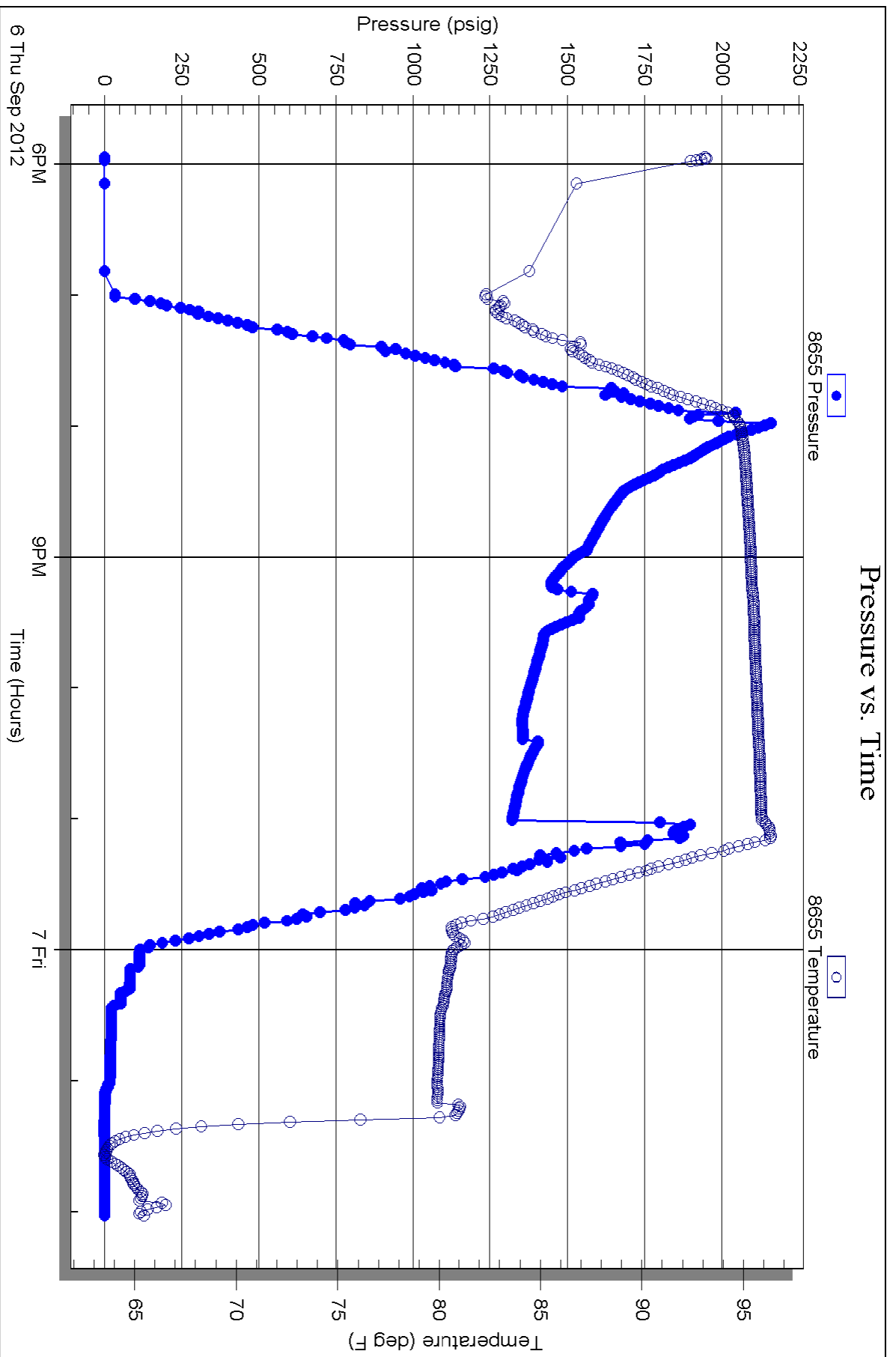
Printed: 2012.09.11 @ 14:35:47

Serial #: 8655

Below (Stratified) Pl., Co.

Jacobson #1-25

DST Test Number: 7





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48076

Well Name & No. Jacobson #1-25 Test No. 1 Date 9-3-12
 Company Beird Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig LW#8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3582-3608 Zone Tested LKC "A"
 Anchor Length 24' Drill Pipe Run 3461 Mud Wt. 8.9
 Top Packer Depth 3578 Drill Collars Run 120 Vis 60
 Bottom Packer Depth 3582 Wt. Pipe Run Ø WL 7.2
 Total Depth 3606 Chlorides 1000 ppm System LCM 1.5#

Blow Description IF- No Blow - Flushed tool at 5 min. - NO Blow
IS- No Return
FF- Pulled tool at end of IS
FS- n/a

Rec	Feet of	%gas	spots	%oil	%water	%mud
<u>5</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 5 BHT 98 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1806</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>5:50 AM</u>
(B) First Initial Flow <u>18</u>	<input type="checkbox"/> Jars	T-Started <u>6:32 AM</u>
(C) First Final Flow <u>20</u>	<input type="checkbox"/> Safety Joint	T-Open <u>8:08 AM</u>
(D) Initial Shut-In <u>79</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>9:08 AM</u>
(E) Second Initial Flow <u>-</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:35 AM</u>
(F) Second Final Flow <u>-</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT</u> 155	Comments
(G) Final Shut-In <u>-</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1765</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>-</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>-</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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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48056

Well Name & No. Jacobson #1-25 Test No. 2 Date 9-3-12
 Company Baird Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig LW#8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3606-3646 Zone Tested LKC "C-D"
 Anchor Length 40' Drill Pipe Run 3485 Mud Wt. 9.2
 Top Packer Depth 3602 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 3606 Wt. Pipe Run 0 WL 7.2
 Total Depth 3646 Chlorides 1,400 ppm System LCM 1.5#
 Blow Description IF - BOB in 21 min.
IS - Weak Surface Return Started at 2 min. Built to 1 1/4"
FF - BOB in 27 min.
FS - NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OSMW</u>	<u>SPOTS</u>	<u>70</u>	<u>30</u>	
<u>252</u>	<u>MW</u>		<u>85</u>	<u>15</u>	
<u>183</u>	<u>MW</u>		<u>95</u>	<u>5</u>	

Rec Total 445 BHT 98 Gravity — API RW @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1823</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>5:50 PM</u>
(B) First Initial Flow <u>23</u>	<input type="checkbox"/> Jars	T-Started <u>6:24 PM</u>
(C) First Final Flow <u>148</u>	<input type="checkbox"/> Safety Joint	T-Open <u>7:56 PM</u>
(D) Initial Shut-In <u>1175</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>10:56 PM</u>
(E) Second Initial Flow <u>164</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:40 AM</u>
(F) Second Final Flow <u>243</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT</u> 155	Comments
(G) Final Shut-In <u>1233</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1806</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input type="checkbox"/> Extra Recorder	Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Accessibility	Total <u>1305</u>
Final Shut-In <u>45</u>	Sub Total <u>1305</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48057

Well Name & No. Jacobson #1-25 Test No. 3 Date 9-4-12
 Company Beird Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig WLW#8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3645-3668 Zone Tested LKC "E-F"
 Anchor Length 23' Drill Pipe Run 3522 Mud Wt. 9.2
 Top Packer Depth 3641 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 3645 Wt. Pipe Run Ø WL 7.2
 Total Depth 3668 Chlorides 1,400 ppm System LCM 1.5^{##}

Blow Description IF- Surface Blow built to 1 1/2"
IS- No Return
FF- No Blow
FS- No Return

Rec	Feet of	%gas	SPOTS	%oil	%water	%mud
<u>60</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 60 BHT 95 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>1838</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>7:00 AM</u>
(B) First Initial Flow <u>18</u>	<input type="checkbox"/> Jars	T-Started <u>7:30 AM</u>
(C) First Final Flow <u>34</u>	<input type="checkbox"/> Safety Joint	T-Open <u>9:10 AM</u>
(D) Initial Shut-In <u>1181</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>11:10 AM</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:09 PM</u>
(F) Second Final Flow <u>49</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT</u> 155	Comments
(G) Final Shut-In <u>1172</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1805</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</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 _____

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48058

Well Name & No. Jacobson #1-25 Test No. 4 Date 9-5-12
 Company Baird Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig WW#8
 Location: Sec. 25 Twp. 35 Rge. 22W Co. Norton State KS

Interval Tested 3779-3820 Zone Tested Marmaton
 Anchor Length 41 Drill Pipe Run 3648 Mud Wt. 9.3
 Top Packer Depth 3775 Drill Collars Run 120 Vis 47
 Bottom Packer Depth 3779 Wt. Pipe Run Ø WL 8.0
 Total Depth 3826 Chlorides 2,200 ppm System LCM 1#
 Blow Description IF - BoB in 3 min.
IS - No Return
FF - BoB in 5 min.
FS - No Return

Rec	Feet of	%gas	%oil	%water	%mud
1	Free oil	100			
156	OC MW	10	40	50	
189	OC MW	5	80	15	
189	OC MW OC MW	29	1	60	10
120	OC MW	2	93	5	

Rec Total 655 BHT 99 Gravity - API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 1910 Test 1150 T-On Location 3:20 AM
 (B) First Initial Flow 131 Jars T-Started 3:29 AM
 (C) First Final Flow 183 Safety Joint T-Open 5:30 AM
 (D) Initial Shut-In 1068 Circ Sub N/K T-Pulled 7:45 AM
 (E) Second Initial Flow 247 Hourly Standby T-Out 11:08 AM
 (F) Second Final Flow 331 Mileage 100RT 155 Comments
 (G) Final Shut-In 995 Sampler
 (H) Final Hydrostatic 1839 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1305
 Accessibility MP/DST Disc't
 Sub Total 1305

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48059

Well Name & No. Jacobson #1-25 Test No. 5 Date 9-5-12
 Company Baird Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig WW#8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3840-3855 Zone Tested BSI. Penn. Sd
 Anchor Length 15' Drill Pipe Run 3711 Mud Wt. 9.4
 Top Packer Depth 3836 Drill Collars Run 120 Vis 50
 Bottom Packer Depth 3840 Wt. Pipe Run Ø WL 7.2
 Total Depth 3855 Chlorides 2000 ppm System LCM 3#
 Blow Description IF- 1/8" Blow did not build or die
IS- No Return
FF- No Blow
FS- NO Return

Rec	Feet of	%gas	spots	%oil	%water	%mud
10	OSM				100	

Rec Total 10 BHT 98 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1931 Test 1150 T-On Location 4:50 PM
 (B) First Initial Flow 22 Jars 250 T-Started 5:20 PM
 (C) First Final Flow 28 Safety Joint 75 T-Open 6:57 PM
 (D) Initial Shut-In 731 Circ Sub N/C T-Pulled 8:57 PM
 (E) Second Initial Flow 30 Hourly Standby _____ T-Out 10:15 PM
 (F) Second Final Flow 35 Mileage* 100 RT 155
 (G) Final Shut-In 562 Sampler _____
 (H) Final Hydrostatic 1880 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

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

Sub Total 1630

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1630
 MP/DST Disc't _____

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48060

Well Name & No. Jacobson #1-25 Test No. 6 Date 9-6-12
 Company Beard Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig WW#8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3855-3870 Zone Tested Bsl. Penn. Sd.
 Anchor Length 15' Drill Pipe Run 3711 Mud Wt. 9.4
 Top Packer Depth 3851 Drill Collars Run 120 Vis 50
 Bottom Packer Depth 3855 Wt. Pipe Run Ø WL 7.2
 Total Depth 3870 Chlorides 2,000 ppm System LCM 3#

Blow Description IF - Weak surface blow died in 3 min.
IS - No Return
FP - pulled tool at end of "IS"
FS -

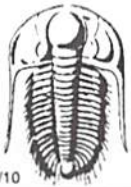
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OSM</u>	<u>SPOTS</u>		<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 96 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1943</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>4:50 PM 9-5-12</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>3:21 AM</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>5:53 AM</u>
(D) Initial Shut-In <u>1026</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>6:53 AM</u>
(E) Second Initial Flow <u>-</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>8:31 AM</u>
(F) Second Final Flow <u>-</u>	<input type="checkbox"/> Mileage	Comments
(G) Final Shut-In <u>-</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1799</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>-</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>-</u>	<input type="checkbox"/> Day Standby	Total <u>1475</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1475</u>	

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48061

Well Name & No. Jacobson # 1-25 Test No. 7 Date 9-6-12
 Company Baird Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig WW #8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3805-3814 Zone Tested Marmaton
 Anchor Length 9' Drill Pipe Run 3684 Mud Wt. 9.3
 Top Packer Depth 3801 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 3805 - 3814 - straddle packer Wt. Pipe Run ✓ WL 8.0
 Total Depth 3893 79' trail pipe Chlorides 2,200 ppm System LCM 2#
 Blow Description IF - Surface Blow built to 8 1/4"
IS - Surface Return started at 5 min. Built to 2"
FF - Surface Blow built to 7 1/8"
FS - Surface Return started at 35 min. Did not build or die.

Rec	Feet of	%gas	%oil	%water	%mud
120	Free Oil				
60	OCMW	30	40	30	

Rec Total 180 BHT 95 Gravity 18 API RW - @ - ° F Chlorides 50 ppm

(A) Initial Hydrostatic 1933 Test 1150 T-On Location 5:50 PM
 (B) First Initial Flow 25 Jars 250 T-Started 5:57 PM
 (C) First Final Flow 68 Safety Joint 75 T-Open 7:59 PM
 (D) Initial Shut-In 919 Circ Sub NIC T-Pulled 10:59 PM
 (E) Second Initial Flow 80 Hourly Standby T-Out 2:05 AM
 (F) Second Final Flow 92 Mileage 100 RT 155 Comments _____
 (G) Final Shut-In 977 Sampler _____
 (H) Final Hydrostatic 1878 Straddle 600 Ruined Shale Packer _____
 Shale Packer 320 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 320
 Initial Shut-In 45 Day Standby _____ Total 2550
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 2230

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