



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.23 @ 21:40:05

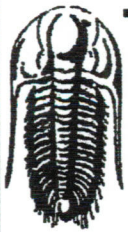
End Date: 2011.08.24 @ 03:14:59

Job Ticket #: 041937 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company LLC.

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

Esslinger Ranch, Inc #6-35

35 3s 22w Norton,KS

Job Ticket: 041937 DST#: 1

Test Start: 2011.08.23 @ 21:40:05

GENERAL INFORMATION:

Formation: **LKC-A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:20:30

Time Test Ended: 03:14:59

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3572.00 ft (KB) To 3590.00 ft (KB) (TVD)**

Total Depth: 3590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2339.00 ft (KB)

2334.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741

Outside

Press@RunDepth: 51.47 psig @ 3574.00 ft (KB)

Start Date: 2011.08.23

End Date: 2011.08.24

Start Time: 21:40:05

End Time: 03:14:59

Capacity: 8000.00 psig

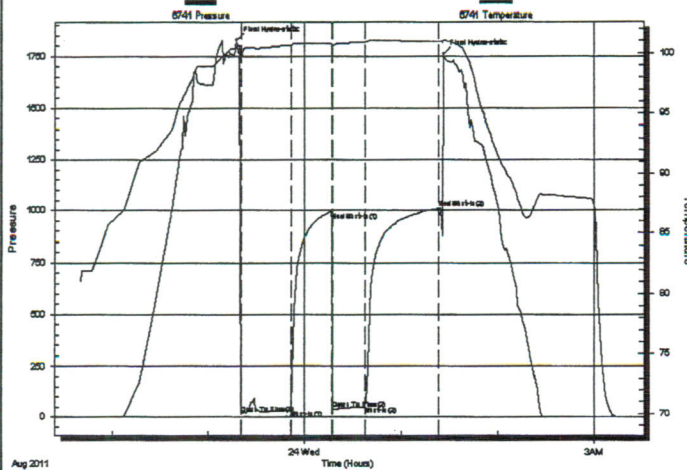
Last Calib.: 2011.08.24

Time On Btrm

Time Off Btrm 2011.08.23 @ 23:17:30

TEST COMMENT: IF: Weak blow, surface over 30 mins.
IS: No blow back over 30 mins.
FF: Weak blow, surface. Died in 10 mins.
FS: No blow back over 30 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.32	100.45	Final Hydro-static
3	13.60	99.54	Open To Flow (1)
34	36.75	100.64	Shut-In(1)
60	946.37	100.76	End Shut-In(1)
60	38.29	100.55	Open To Flow (2)
81	51.47	100.90	Shut-In(2)
126	1009.40	100.96	End Shut-In(2)
129	1759.06	101.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	vsocw m-3%o10%w 87%w	0.30
20.00	vsocmw -10%o70%w 20%m	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041937 **DST#: 1**

ATTN: Richard Bell

Test Start: 2011.08.23 @ 21:40:05

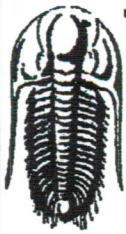
Tool Information

Drill Pipe:	Length: 3446.00 ft	Diameter: 3.80 inches	Volume: 48.34 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 48.95 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 440000.0 lb
Depth to Top Packer:	3572.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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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Shut In Tool	5.00			3557.00	
Hydraulic tool	5.00			3562.00	
Packer	5.00			3567.00	20.00 Bottom Of Top Packer
Packer	5.00			3572.00	
Stubb	1.00			3573.00	
Perforations	1.00			3574.00	
Recorder	0.00	6752	Inside	3574.00	
Recorder	0.00	6741	Outside	3574.00	
Perforations	13.00			3587.00	
Bullnose	3.00			3590.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041937 DST#: 1

ATTN: Richard Bell

Test Start: 2011.08.23 @ 21:40:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: 0.13 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	vsocw m-3%o10%w 87%w	0.295
20.00	vsocmw -10%o70%w 20%m	0.098

Total Length: 80.00 ft Total Volume: 1194.929 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

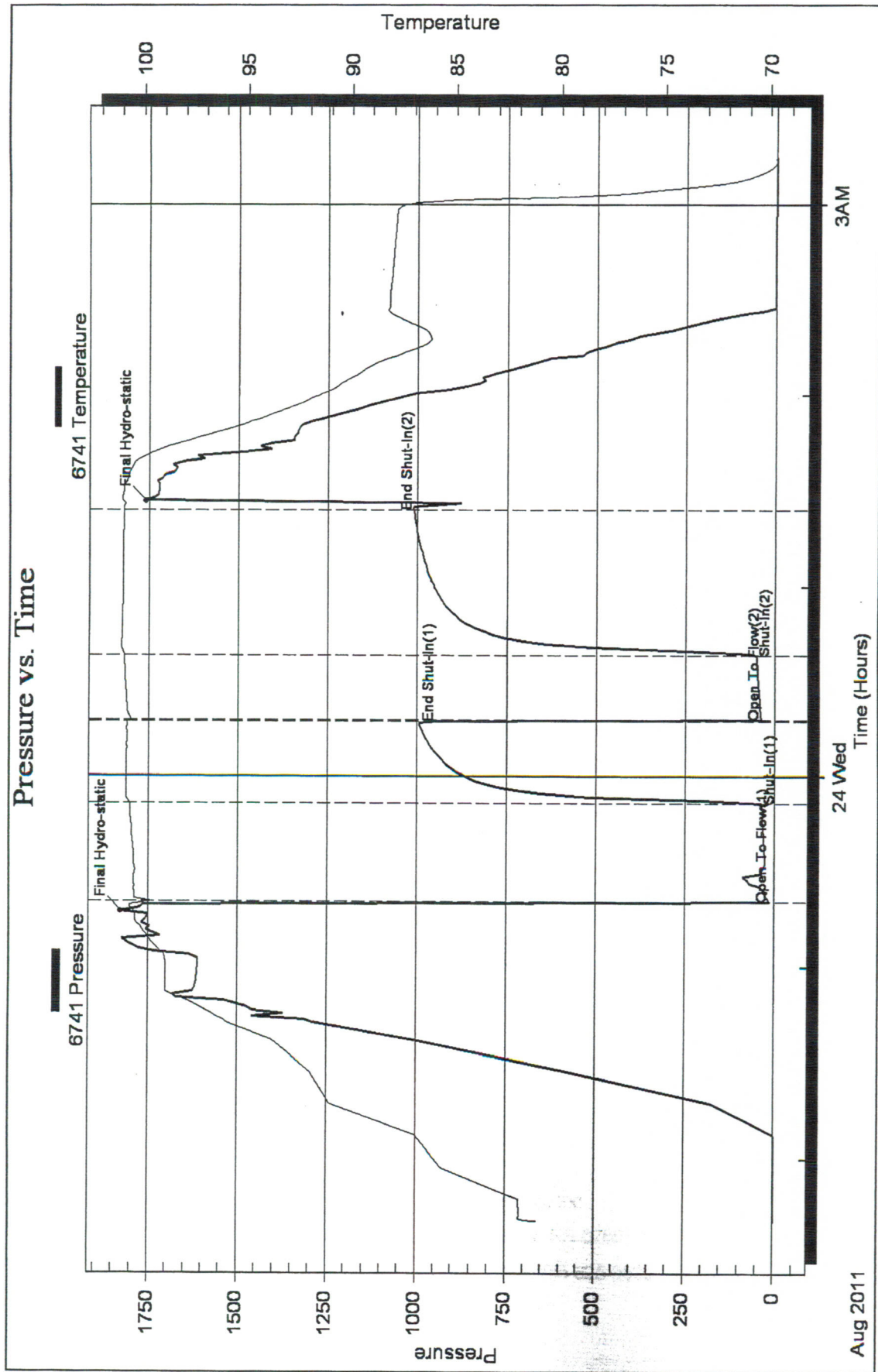
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.24 @ 10:15:00

End Date: 2011.08.24 @ 14:39:30

Job Ticket #: 041938 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041938 DST#: 2

ATTN: Richard Bell

Test Start: 2011.08.24 @ 10:15:00

GENERAL INFORMATION:

Formation: **LKC-C**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 11:55:00

Time Test Ended: 14:39:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3596.00 ft (KB) To 3620.00 ft (KB) (TVD)**

Total Depth: 3620.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2339.00 ft (KB)

2334.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 16.11 psig @ 3598.00 ft (KB)

Start Date: 2011.08.24

End Date: 2011.08.24

Start Time: 10:15:05

End Time: 14:39:29

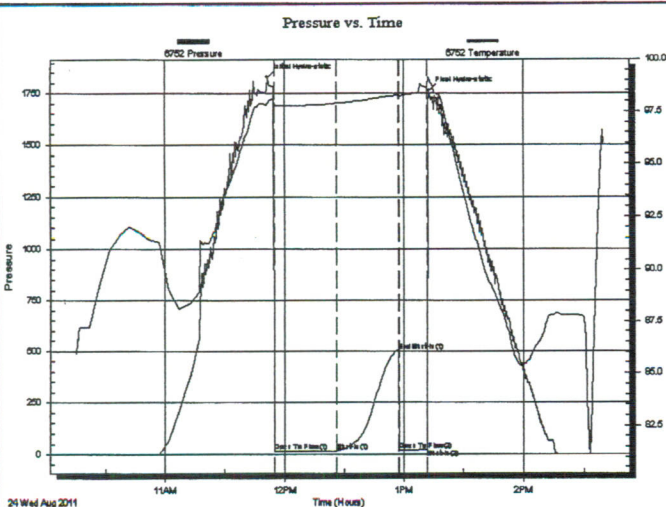
Capacity: 8000.00 psig

Last Calib.: 2011.08.24

Time On Btm: 2011.08.24 @ 11:51:30

Time Off Btm: 2011.08.24 @ 13:13:00

TEST COMMENT: IF: Tool opened, Didn't have any surge.(blow). Ran 30 mins.
 IS: No blow back over 30 mins.
 FF: Opened tool, Waited 10 mins. No blow. Flushed tool, Weak surge, Died. Pulled tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1828.33	97.91	Initial Hydro-static
4	13.39	97.78	Open To Flow (1)
35	16.11	97.90	Shut-In(1)
66	500.19	98.28	End Shut-In(1)
66	18.33	98.22	Open To Flow (2)
81	23.32	98.65	Shut-In(2)
82	1761.61	99.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM-15%O85%M	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041938 **DST#: 2**

ATTN: Richard Bell

Test Start: 2011.08.24 @ 10:15:00

Tool Information

Drill Pipe:	Length: 3457.00 ft	Diameter: 3.80 inches	Volume: 48.49 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.10 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3596.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 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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Shut In Tool	5.00			3581.00	
Hydraulic tool	5.00			3586.00	
Packer	5.00			3591.00	20.00 Bottom Of Top Packer
Packer	5.00			3596.00	
Stubb	1.00			3597.00	
Perforations	1.00			3598.00	
Recorder	0.00	6752	Inside	3598.00	
Recorder	0.00	6741	Outside	3598.00	
Perforations	19.00			3617.00	
Bullnose	3.00			3620.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041938

DST#: 2

ATTN: Richard Bell

Test Start: 2011.08.24 @ 10:15:00

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCM-15%O85%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6752

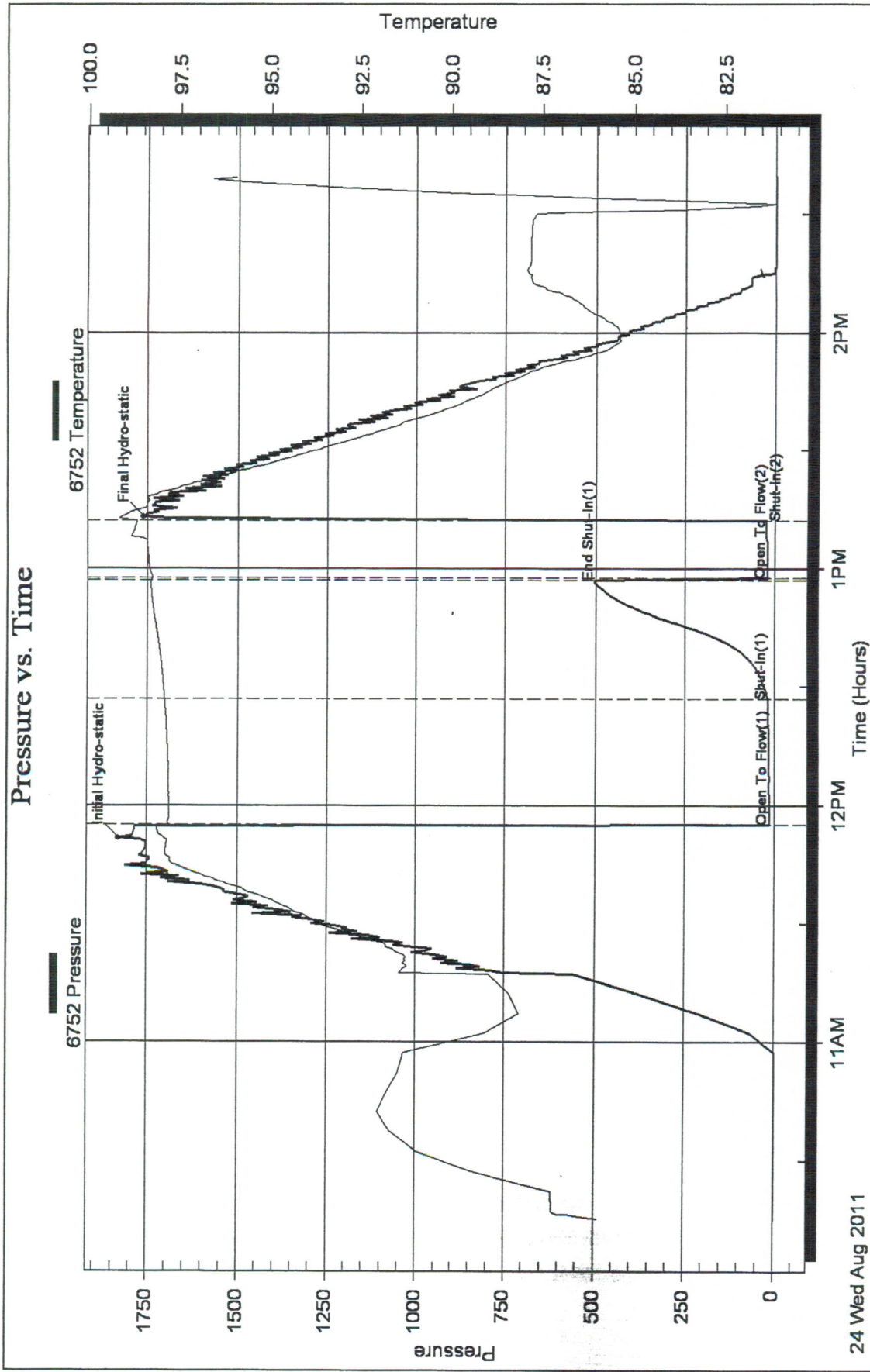
Inside

Baird Oil Company LLC.

35 3s 22w Norton, KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

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

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.24 @ 20:15:00

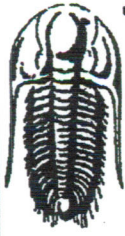
End Date: 2011.08.25 @ 01:14:00

Job Ticket #: 041940 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041940

DST#: 3

ATTN: Richard Bell

Test Start: 2011.08.24 @ 20:15:00

GENERAL INFORMATION:

Formation: **LKC-D**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 21:53:00

Time Test Ended: 01:14:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3619.00 ft (KB) To 3635.00 ft (KB) (TVD)**

Reference Elevations: 2339.00 ft (KB)

Total Depth: 3590.00 ft (KB) (TVD)

2334.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 15.75 psig @ 3620.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.24

End Date:

2011.08.25

Last Calib.:

2011.08.25

Start Time: 20:15:05

End Time:

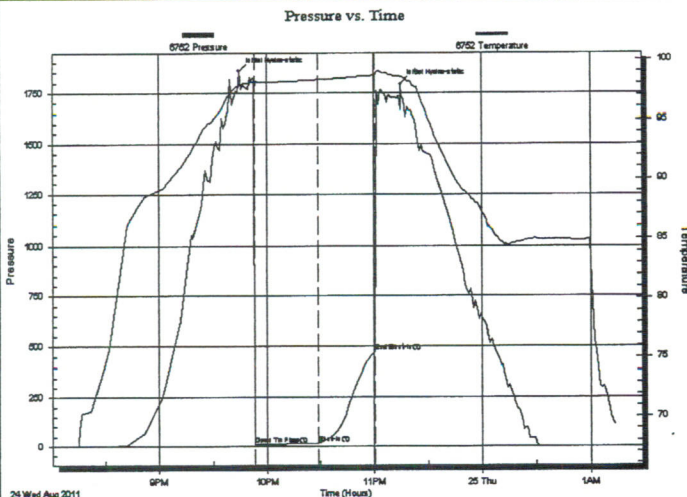
01:13:59

Time On Btm:

2011.08.24 @ 21:44:30

Time Off Btm:

TEST COMMENT: IF: Weak surface blow, Died in 3 mins.
IS: No blow back over 30 mins.
-----Pulled tool-----



PRESSURE SUMMARY

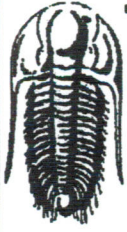
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1856.59	97.85	Initial Hydro-static
9	9.15	97.47	Open To Flow (1)
45	15.75	98.30	Shut-In(1)
76	470.65	98.63	End Shut-In(1)
91	1791.66	98.51	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	ocm--30%o70 %m	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton, KS

Job Ticket: 041940

DST#: 3

ATTN: Richard Bell

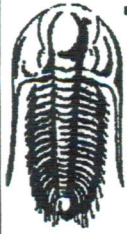
Test Start: 2011.08.24 @ 20:15:00

Tool Information

Drill Pipe:	Length: 3488.00 ft	Diameter: 3.80 inches	Volume: 48.93 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.54 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3619.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3604.00	
Hydraulic tool	5.00			3609.00	
Packer	5.00			3614.00	20.00 Bottom Of Top Packer
Packer	5.00			3619.00	
Stubb	1.00			3620.00	
Recorder	0.00	6752	Inside	3620.00	
Recorder	0.00	6741	Outside	3620.00	
Perforations	12.00			3632.00	
Bullnose	3.00			3635.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041940 **DST#: 3**

ATTN: Richard Bell

Test Start: 2011.08.24 @ 20:15:00

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:	bbl		
Water Loss:	7.18 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	ocm--30%o70 %m	0.098

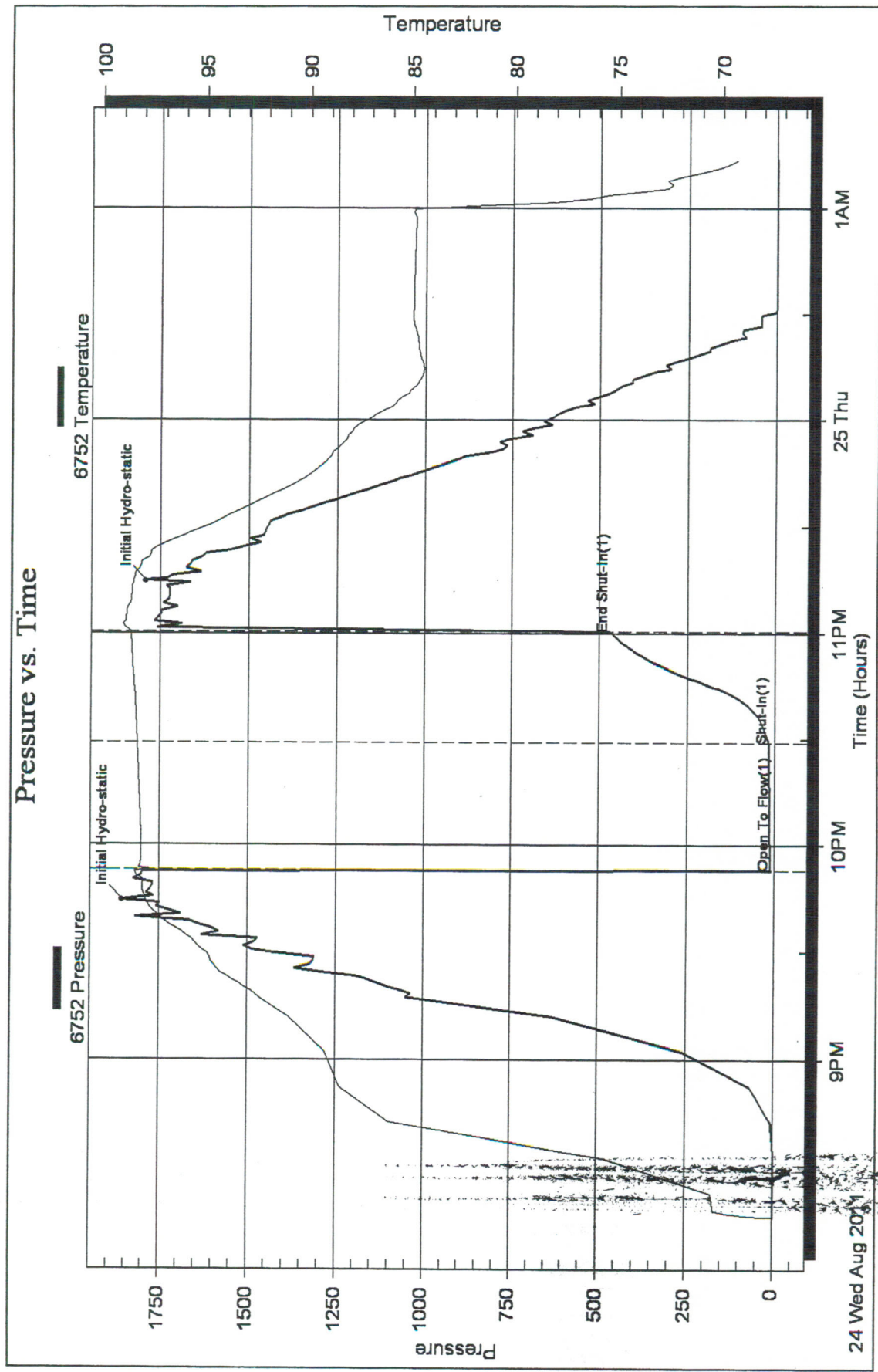
Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.25 @ 21:51:00

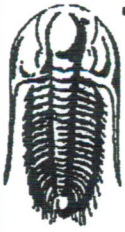
End Date: 2011.08.26 @ 02:11:30

Job Ticket #: 041941 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

ATTN: Richard Bell

Job Ticket: 041941

DST#: 4

Test Start: 2011.08.25 @ 21:51:00

GENERAL INFORMATION:

Formation: **Pre-Cambrian**

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

Time Tool Opened: 23:39:00

Time Test Ended: 02:11:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3817.00 ft (KB) To 3841.00 ft (KB) (TVD)**

Reference Elevations: 2339.00 ft (KB)

Total Depth: 3841.00 ft (KB) (TVD)

2334.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 15.83 psig @ 3819.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.25

End Date:

2011.08.26

Last Calib.:

2011.08.26

Start Time: 21:51:05

End Time:

02:11:29

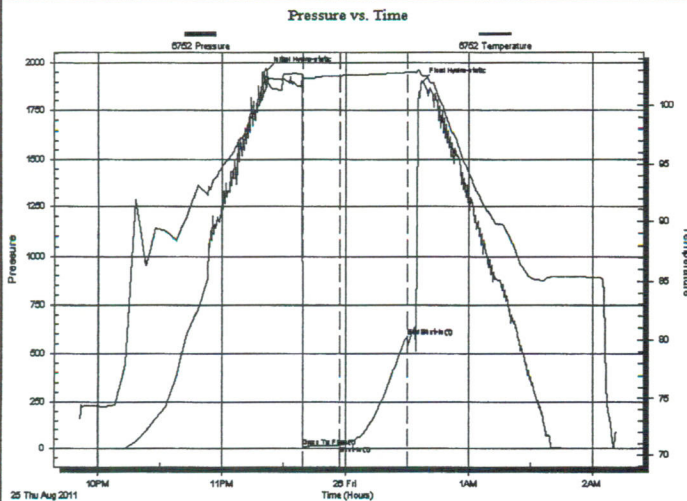
Time On Btmr

2011.08.25 @ 23:21:30

Time Off Btmr

2011.08.26 @ 00:37:30

TEST COMMENT: IF: Weak blow, died in 7 mins.
IS: No blow back over 20 mins
-----Pulled tool-----



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1960.59	101.58	Initial Hydro-static
18	12.18	102.42	Open To Flow (1)
36	15.83	102.52	Shut-In(1)
69	587.35	102.80	End Shut-In(1)
76	1896.39	102.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud wih a few tar like oil specs.	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041941 **DST#: 4**

ATTN: Richard Bell

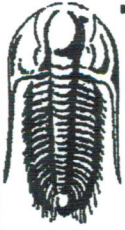
Test Start: 2011.08.25 @ 21:51:00

Tool Information

Drill Pipe:	Length: 3703.00 ft	Diameter: 3.80 inches	Volume: 51.94 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 52.55 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3817.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 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
Shut In Tool	5.00			3802.00	
Hydraulic tool	5.00			3807.00	
Packer	5.00			3812.00	20.00 Bottom Of Top Packer
Packer	5.00			3817.00	
Stubb	1.00			3818.00	
Perforations	1.00			3819.00	
Recorder	0.00	6752	Inside	3819.00	
Recorder	0.00	6741	Outside	3819.00	
Perforations	19.00			3838.00	
Bullnose	3.00			3841.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041941

DST#: 4

ATTN: Richard Bell

Test Start: 2011.08.25 @ 21:51:00

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:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud wih a few tar like oil specs.	0.015

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

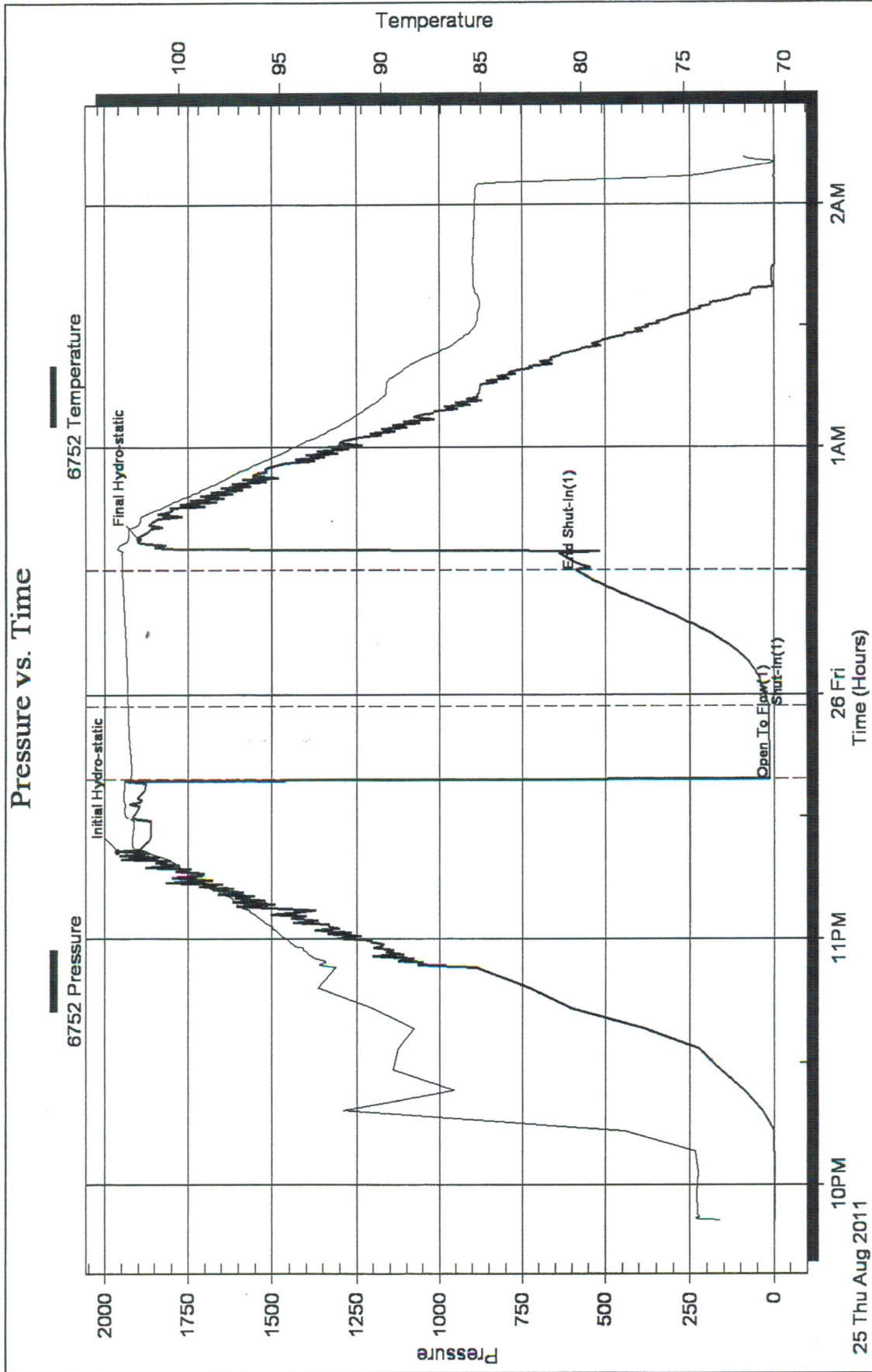
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.26 @ 02:50:00

End Date: 2011.08.26 @ 09:20:30

Job Ticket #: 041942 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

ATTN: Richard Bell

Job Ticket: 041942

DST#: 5

Test Start: 2011.08.26 @ 02:50:00

GENERAL INFORMATION:

Formation: **LKC-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:34:30

Time Test Ended: 09:20:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3731.00 ft (KB) To 3841.00 ft (KB) (TVD)**

Total Depth: 3841.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2339.00 ft (KB)

2334.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 103.15 psig @ 3733.00 ft (KB)

Start Date: 2011.08.26

End Date:

2011.08.26

Capacity: 8000.00 psig

Last Calib.: 2011.08.26

Start Time: 02:50:05

End Time:

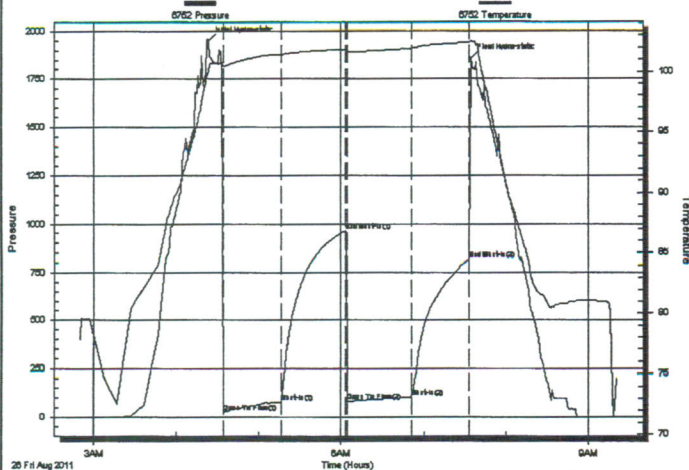
09:20:29

Time On Btmr 2011.08.26 @ 04:23:30

Time Off Btmr 2011.08.26 @ 07:34:30

TEST COMMENT: IF: Weak blow, Built to 7 in. over 45 mins.
IS: No blow back over 45 mins.
FF: Weak blow, Built to 5 in. over 45 mins.
FS: No blow back over 45 mins.

Pressure vs. Time



PRESSURE SUMMARY

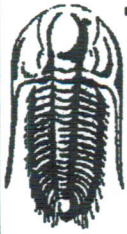
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.89	100.03	Initial Hydro-static
11	23.81	100.42	Open To Flow (1)
53	77.18	101.42	Shut-In(1)
100	961.42	101.87	End Shut-In(1)
101	80.84	101.69	Open To Flow (2)
148	103.15	101.93	Shut-In(2)
190	815.89	102.40	End Shut-In(2)
191	1857.77	102.57	Final Hydro-static

Recovery

Length (ft)	Description	Volums (bbl)
124.00	ocw m-5%o26%w 69%m	0.61
62.00	ocw m-10%o5%w 85%m	0.87
6.00	clean oil	0.08

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041942

DST#: 5

ATTN: Richard Bell

Test Start: 2011.08.26 @ 02:50:00

Tool Information

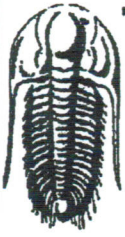
Drill Pipe:	Length: 3607.00 ft	Diameter: 3.80 inches	Volume: 50.60 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	6000.00 lb
			<u>Total Volume: 51.21 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3731.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	110.00 ft				
Tool Length:	130.00 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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Shut In Tool	5.00			3716.00	
Hydraulic tool	5.00			3721.00	
Packer	5.00			3726.00	20.00 Bottom Of Top Packer
Packer	5.00			3731.00	
Stubb	1.00			3732.00	
Change Over Sub	1.00			3733.00	
Recorder	0.00	6752	Inside	3733.00	
Recorder	0.00	6741	Outside	3733.00	
Blank Spacing	92.00			3825.00	
Change Over Sub	1.00			3826.00	
Perforations	12.00			3838.00	
Bullnose	3.00			3841.00	110.00 Bottom Packers & Anchor

Total Tool Length: 130.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041942 **DST#: 5**

ATTN: Richard Bell

Test Start: 2011.08.26 @ 02:50:00

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: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	ocw m-5%o26%w 69%m	0.610
62.00	ocw m-10%o5%w 85%m	0.870
6.00	clean oil	0.084

Total Length: 192.00 ft Total Volume: 1.564 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6752

Inside

Baird Oil Company LLC

35 3s 22w Norton, KS

DST Test Number: 5

