



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

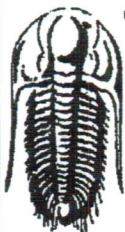
Esslinger Ranch Inc #5-35

Start Date: 2011.08.16 @ 02:05:32

End Date: 2011.08.16 @ 07:29:26

Job Ticket #: 43444 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

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43444

DST#: 1

ATTN: Jim Baird

Test Start: 2011.08.16 @ 02:05:32

GENERAL INFORMATION:

Formation: **LKC "A"**

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

Time Tool Opened: 04:00:27

Time Test Ended: 07:29:26

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3546.00 ft (KB) To 3571.00 ft (KB) (TVD)**

Reference Elevations: 2329.00 ft (KB)

Total Depth: 3571.00 ft (KB) (TVD)

2324.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 28.20 psig @ 3547.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.16

End Date:

2011.08.16

Last Calib.: 2011.08.16

Start Time: 02:00:00

End Time:

07:23:54

Time On Btm: 2011.08.16 @ 03:51:55

Time Off Btm: 2011.08.16 @ 06:00:25

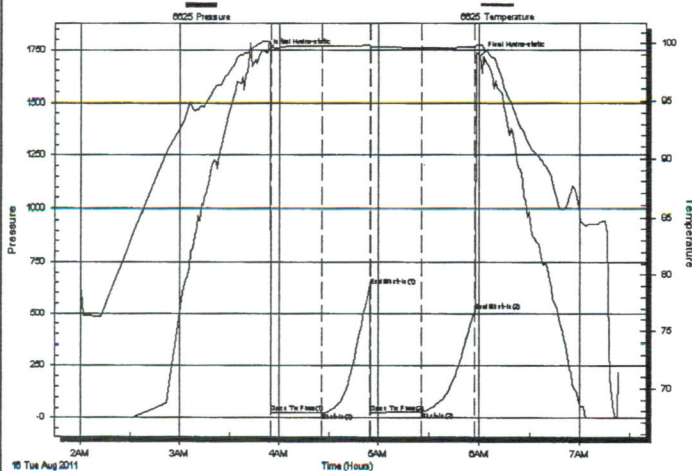
TEST COMMENT: 30-IFP-very w k bl ,died in 25 min

30-ISIP-no bl

30-FFP-no bl

30-FSIP-no bl

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1737.18	100.21	Initial Hydro-static
3	22.41	99.78	Open To Flow (1)
34	24.33	99.77	Shut-In(1)
63	632.72	99.85	End Shut-In(1)
64	26.06	99.71	Open To Flow (2)
94	28.20	99.63	Shut-In(2)
125	513.25	99.71	End Shut-In(2)
129	1719.29	99.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	HOCM 20%O80%M	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

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43444

DST#: 1

ATTN: Jim Baird

Test Start: 2011.08.16 @ 02:05:32

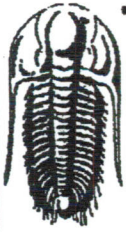
Tool Information

Drill Pipe:	Length: 3430.00 ft	Diameter: 3.80 inches	Volume: 48.11 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3546.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	46.00 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			3526.00	
Shut In Tool	5.00			3531.00	
Hydraulic tool	5.00			3536.00	
Packer	5.00			3541.00	21.00 Bottom Of Top Packer
Packer	5.00			3546.00	
Stubb	1.00			3547.00	
Recorder	0.00	6625	Inside	3547.00	
Recorder	0.00	8700	Outside	3547.00	
Perforations	21.00			3568.00	
Bullnose	3.00			3571.00	25.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43444

DST#: 1

ATTN: Jim Baird

Test Start: 2011.08.16 @ 02:05:32

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:

bbbl

Water Loss: 6.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	HOCM20%O80%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

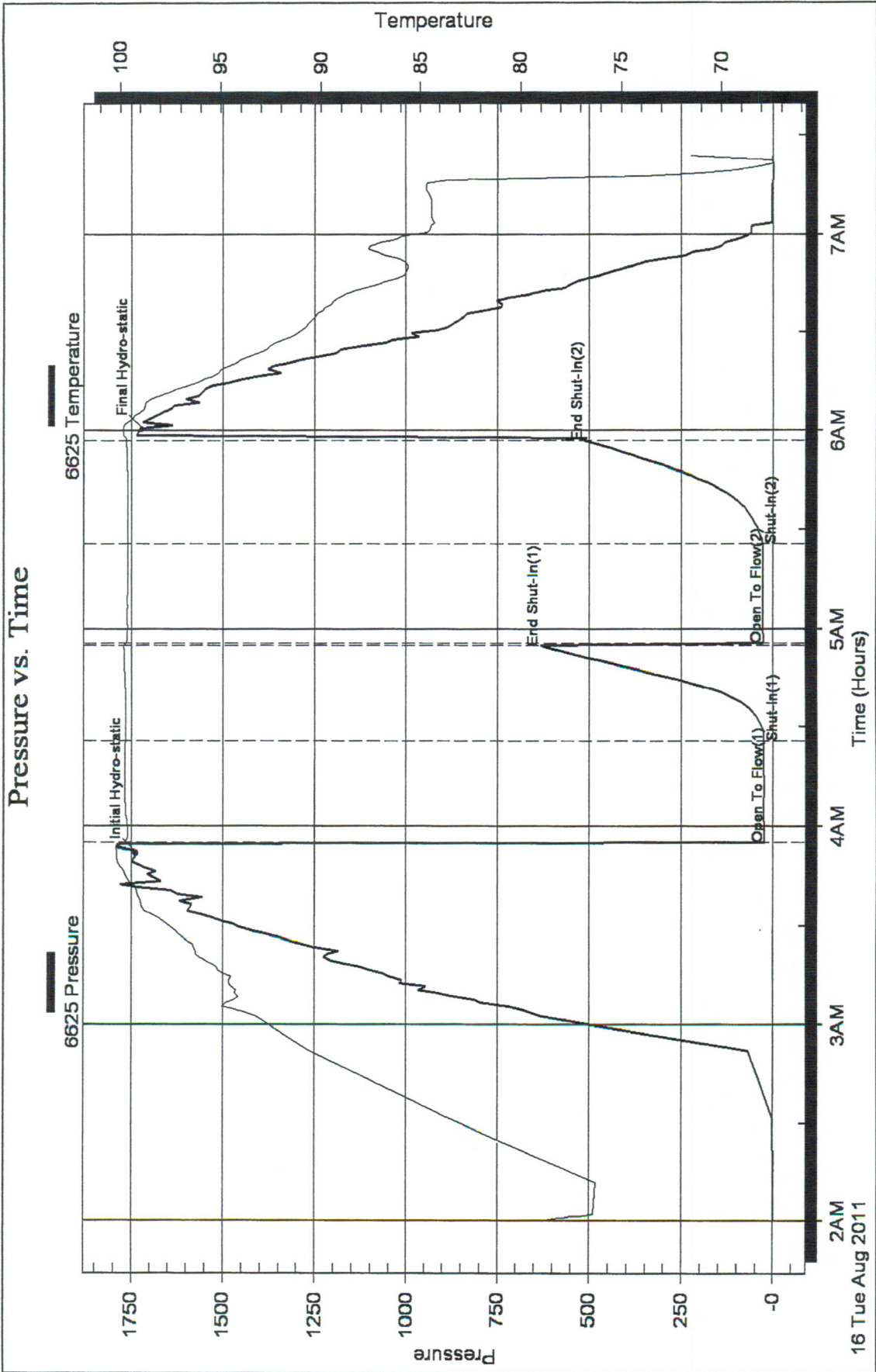
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

Esslinger Ranch Inc #5-35

Start Date: 2011.08.16 @ 14:10:23

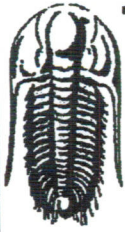
End Date: 2011.08.16 @ 19:13:17

Job Ticket #: 43445 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

Esslinger Ranch Inc #5-35

35-3s-22w Logan,KS

Job Ticket: 43445

DST#: 2

Test Start: 2011.08.16 @ 14:10:23

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 15:51:48

Time Test Ended: 19:13:17

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3573.00 ft (KB) To 3593.00 ft (KB) (TVD)**

Total Depth: 3593.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2329.00 ft (KB)

2324.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 17.24 psig @ 3574.00 ft (KB)

Start Date: 2011.08.16 End Date: 2011.08.16

Start Time: 14:10:23 End Time: 19:13:17

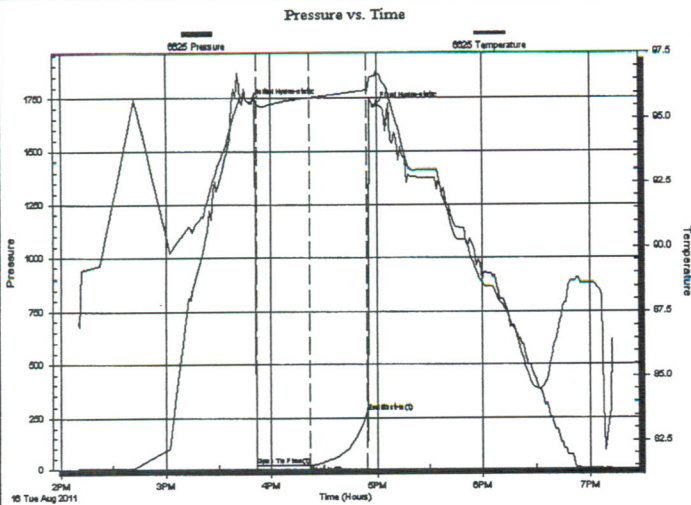
Capacity: 8000.00 psig

Last Calib.: 2011.08.16

Time On Btrm 2011.08.16 @ 15:48:18

Time Off Btrm 2011.08.16 @ 16:58:18

TEST COMMENT: 30-IFP-surge, then dead thru-out
30-ISIP-no bl
out w/ tool



PRESSURE SUMMARY

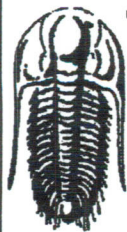
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1727.85	95.78	Initial Hydro-static
4	15.88	95.52	Open To Flow (1)
34	17.24	95.80	Shut-In(1)
66	277.65	96.11	End Shut-In(1)
70	1711.06	96.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	OCM 10%O90%M	0.00
0.00	w/show of co top of tool	0.00

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 #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43445

DST#: 2

ATTN: Jim Baird

Test Start: 2011.08.16 @ 14:10:23

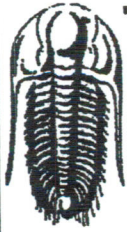
Tool Information

Drill Pipe:	Length: 3452.00 ft	Diameter: 3.80 inches	Volume: 48.42 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3573.00 ft			Final 44000.00 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			3553.00	
Shut In Tool	5.00			3558.00	
Hydraulic tool	5.00			3563.00	
Packer	5.00			3568.00	21.00 Bottom Of Top Packer
Packer	5.00			3573.00	
Stubb	1.00			3574.00	
Recorder	0.00	6625	Inside	3574.00	
Recorder	0.00	8700	Outside	3574.00	
Perforations	16.00			3590.00	
Bullnose	3.00			3593.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

ATTN: Jim Baird

Job Ticket: 43445

DST#: 2

Test Start: 2011.08.16 @ 14:10:23

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 6.73 in³
Resistivity: ohm.m
Salinity: 1600.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	OCM 10%O90%M	0.005
0.00	w/show of co top of tool	0.000

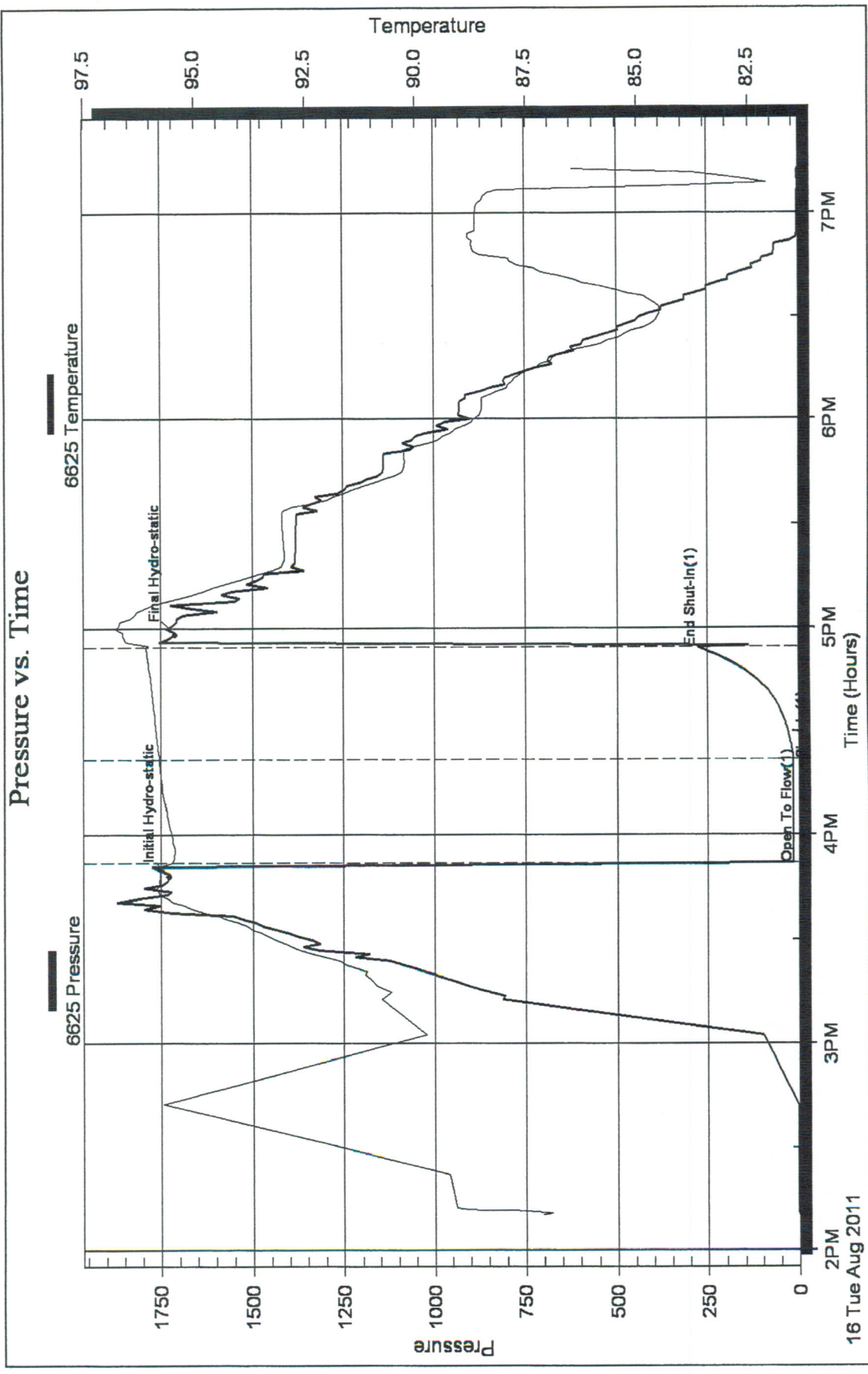
Total Length: 1.00 ft Total Volume: 0.005 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





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35-3s-22w Logan,KS

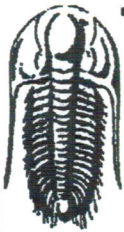
Esslinger Ranch Inc #5-35

Start Date: 2011.08.17 @ 01:25:07

End Date: 2011.08.17 @ 09:19:31

Job Ticket #: 43446 DST #: 3

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



**TRILOBITE
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DRILL STEM TEST REPORT

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

Esslinger Ranch Inc #5-35

35-3s-22w Logan,KS

Job Ticket: 43446

DST#: 3

Test Start: 2011.08.17 @ 01:25:07

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:41:32

Time Test Ended: 09:19:31

Interval: **3592.00 ft (KB) To 3609.00 ft (KB) (TVD)**

Total Depth: 3609.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 2329.00 ft (KB)

2324.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 146.83 psig @ 3593.00 ft (KB)

Start Date: 2011.08.17

End Date:

2011.08.17

Capacity: 8000.00 psig

Last Calib.: 2011.08.17

Start Time: 01:25:07

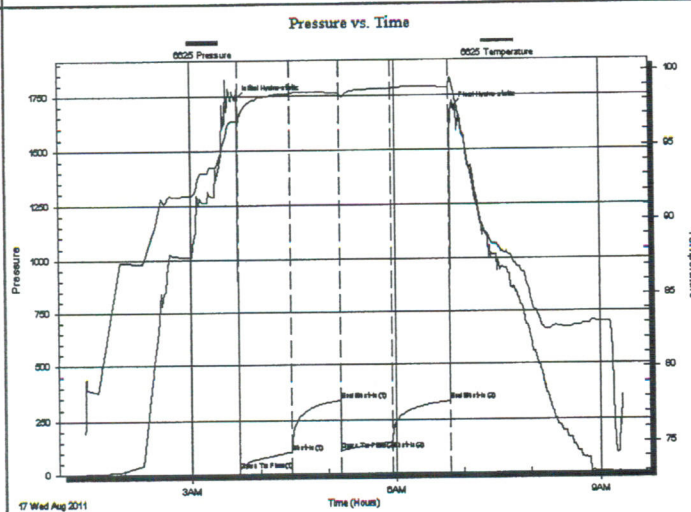
End Time:

09:19:31

Time On Btrm: 2011.08.17 @ 03:39:32

Time Off Btrm: 2011.08.17 @ 06:52:01

TEST COMMENT: 45-IFP-w k to strg in 27min
45-ISIP-1/4"bl bk
45-FFP-w k to a gd bl 1/2"to 8"bl
45-FSIP-surface bl bk



PRESSURE SUMMARY

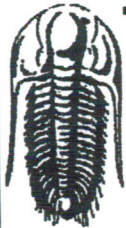
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.78	96.64	Initial Hydro-static
2	19.02	96.36	Open To Flow (1)
48	100.11	98.51	Shut-In(1)
92	337.88	98.55	End Shut-In(1)
92	107.95	98.44	Open To Flow (2)
137	146.83	98.81	Shut-In(2)
189	333.01	98.89	End Shut-In(2)
193	1697.78	98.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MGO 10%G40%M50%O	0.30
330.00	CO	4.10
0.00	40'GIP	0.00

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 #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43446

DST#: 3

ATTN: Jim Baird

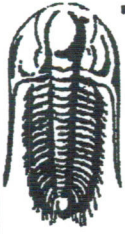
Test Start: 2011.08.17 @ 01:25:07

Tool Information

Drill Pipe:	Length: 3467.00 ft	Diameter: 3.80 inches	Volume: 48.63 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 49.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3592.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 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
Change Over Sub	1.00			3572.00	
Shut In Tool	5.00			3577.00	
Hydraulic tool	5.00			3582.00	
Packer	5.00			3587.00	21.00 Bottom Of Top Packer
Packer	5.00			3592.00	
Stubb	1.00			3593.00	
Recorder	0.00	6625	Inside	3593.00	
Recorder	0.00	8700	Outside	3593.00	
Perforations	13.00			3606.00	
Bullnose	3.00			3609.00	17.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43446

DST#:3

ATTN: Jim Baird

Test Start: 2011.08.17 @ 01:25:07

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 25 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.74 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1600.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MGO 10%G40%M50%O	0.305
330.00	CO	4.101
0.00	40'GIP	0.000

Total Length: 392.00 ft Total Volume: 4.406 bbl

Num Fluid Samples: 0

Num Gas Borris: 0

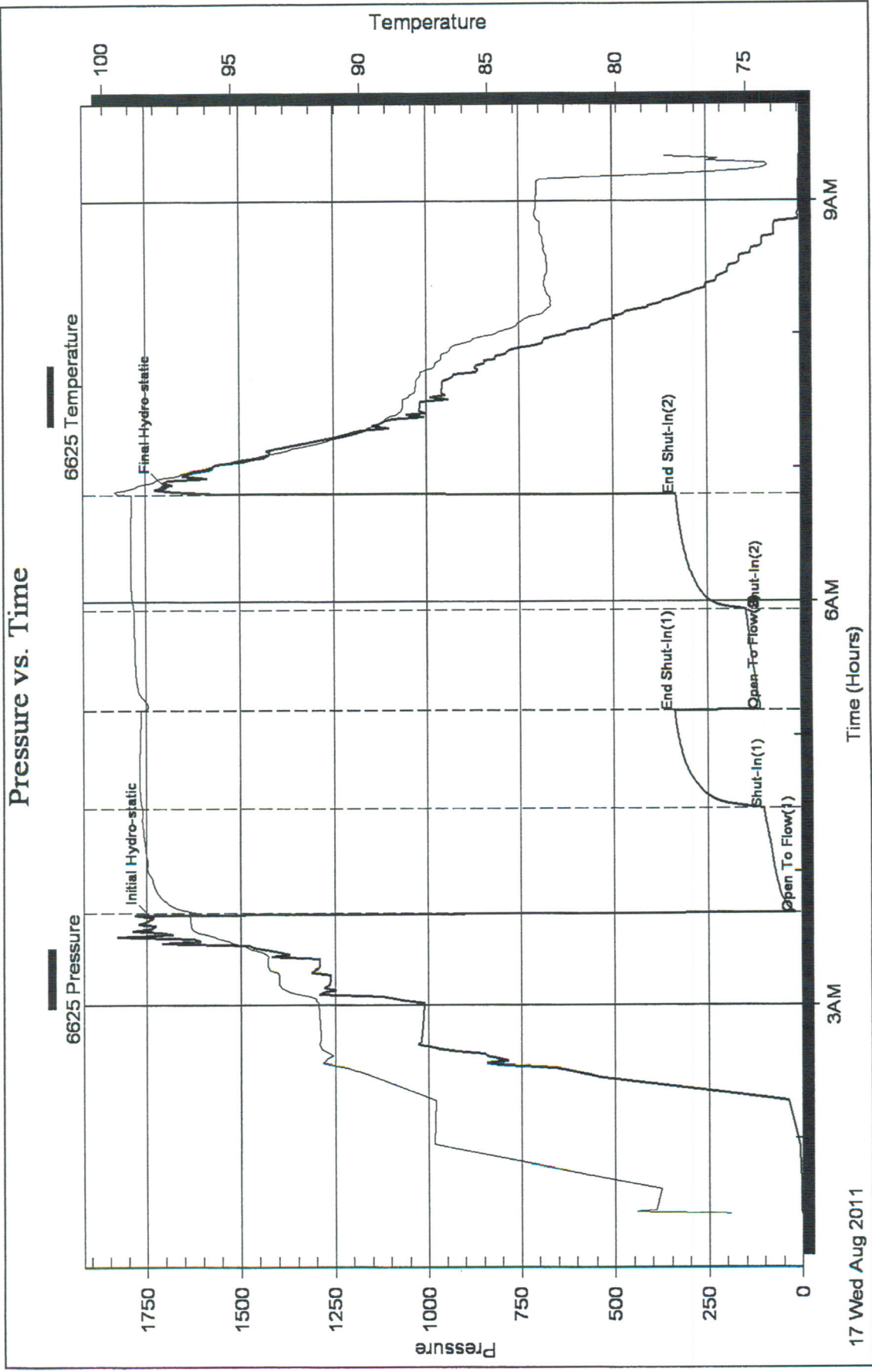
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

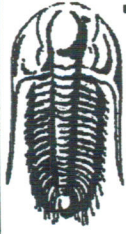
Esslinger Ranch Inc #5-35

Start Date: 2011.08.17 @ 16:05:00

End Date: 2011.08.17 @ 21:01:54

Job Ticket #: 43447 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 #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43447

DST#: 4

ATTN: Jim Baird

Test Start: 2011.08.17 @ 16:05:00

GENERAL INFORMATION:

Formation: **LKC "F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:04:55
 Time Test Ended: 21:01:54

Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42

Interval: **3609.00 ft (KB) To 3632.00 ft (KB) (TVD)**
 Total Depth: 3632.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2329.00 ft (KB)
 2324.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6625

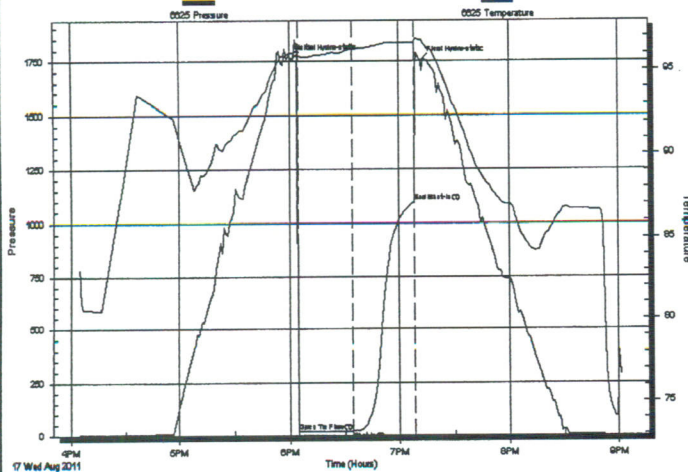
Inside

Press@RunDepth: 19.27 psig @ 3610.00 ft (KB)
 Start Date: 2011.08.17 End Date: 2011.08.17
 Start Time: 16:05:00 End Time: 21:01:54

Capacity: 8000.00 psig
 Last Calib.: 2011.08.17
 Time On Btm: 2011.08.17 @ 18:01:25
 Time Off Btm: 2011.08.17 @ 19:11:55

TEST COMMENT: 30-IFP-surface bl died in 20 min
 30-ISIP-no bl
 pull tool

Pressure vs. Time



PRESSURE SUMMARY

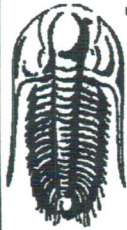
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.88	96.03	Initial Hydro-static
4	15.43	95.71	Open To Flow (1)
33	19.27	96.25	Shut-In(1)
67	1093.99	96.59	End Shut-In(1)
71	1746.89	96.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	CO	0.01
5.00	OCM 15% O85%M	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

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43447

DST#: 4

ATTN: Jim Baird

Test Start: 2011.08.17 @ 16:05:00

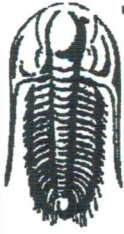
Tool Information

Drill Pipe:	Length: 3491.00 ft	Diameter: 3.80 inches	Volume: 48.97 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3609.00 ft			Final 43000.00 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
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Change Over Sub	1.00			3589.00	
Shut In Tool	5.00			3594.00	
Hydraulic tool	5.00			3599.00	
Packer	5.00			3604.00	21.00 Bottom Of Top Packer
Packer	5.00			3609.00	
Stubb	1.00			3610.00	
Recorder	0.00	6625	Inside	3610.00	
Recorder	0.00	8700	Outside	3610.00	
Perforations	19.00			3629.00	
Bullnose	3.00			3632.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43447

DST#: 4

ATTN: Jim Baird

Test Start: 2011.08.17 @ 16:05:00

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	CO	0.010
5.00	OCM 15%O85%M	0.025

Total Length: 7.00 ft Total Volume: 0.035 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

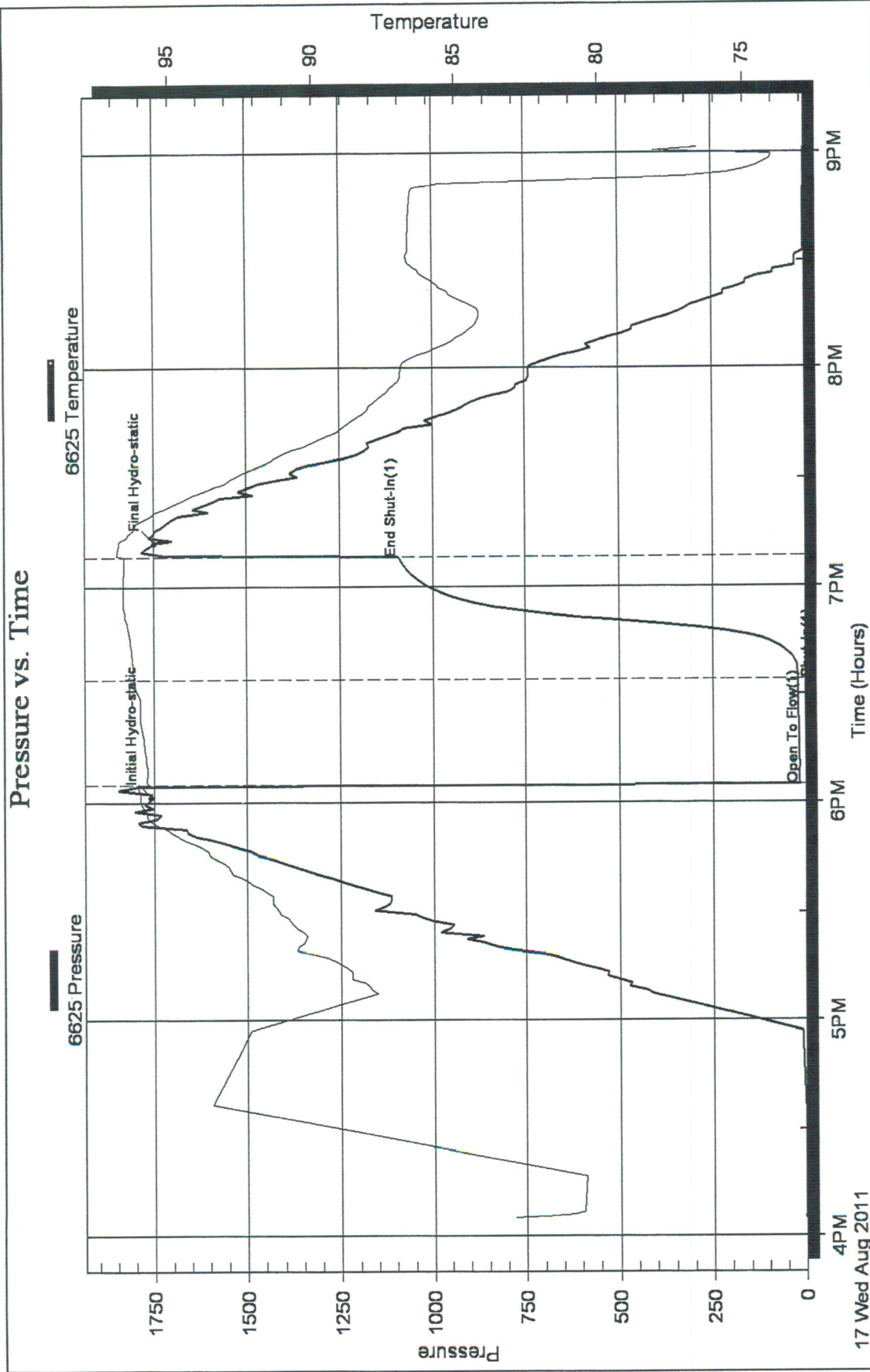
Inside

Baird Oil Company LLC

35-3s-22w Logan, KS

DST Test Number: 4

Pressure vs. Time



17 Wed Aug 2011



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

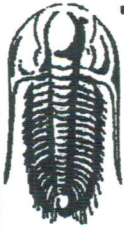
Esslinger Ranch Inc #5-35

Start Date: 2011.08.18 @ 08:05:49

End Date: 2011.08.18 @ 12:48:13

Job Ticket #: 43448 DST #: 5

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Baird Oil Company LLC
 PO Box 428
 Logan KS 67646
 ATTN: Jim Baird

Esslinger Ranch Inc #5-35
35-3s-22w Logan,KS
 Job Ticket: 43448 **DST#: 5**
 Test Start: 2011.08.18 @ 08:05:49

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:52:44
 Time Test Ended: 12:48:13

Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42

Interval: **3682.00 ft (KB) To 3712.00 ft (KB) (TVD)**
 Total Depth: 3712.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2329.00 ft (KB)
 2324.00 ft (CF)
 KB to GR/CF: 5.00 ft

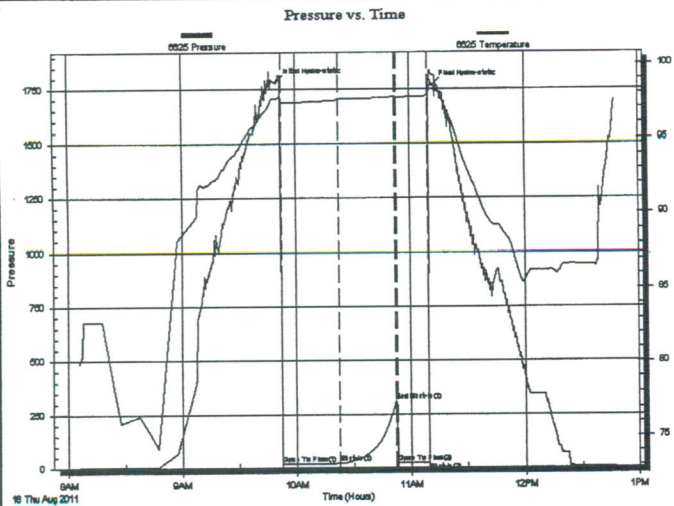
Serial #: 6625

Inside

Press@RunDepth: 19.76 psig @ 3683.00 ft (KB)
 Start Date: 2011.08.18 End Date: 2011.08.18
 Start Time: 08:05:49 End Time: 12:48:13

Capacity: 8000.00 psig
 Last Calib.: 2011.08.18
 Time On Btrm: 2011.08.18 @ 09:50:14
 Time Off Btrm: 2011.08.18 @ 11:12:14

TEST COMMENT: 30-IFP-w k bl 1/4"to 1/8"bl
 30-ISIP-no bl
 15-FFP-no bl
 pull tool



PRESSURE SUMMARY

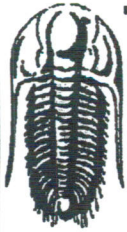
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.34	97.64	Initial Hydro-static
3	15.55	97.42	Open To Flow (1)
32	19.76	97.58	Shut-In(1)
62	311.11	97.73	End Shut-In(1)
63	21.75	97.67	Open To Flow (2)
79	22.28	97.78	Shut-In(2)
82	1768.27	99.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 15% O85%M	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

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43448

DST#: 5

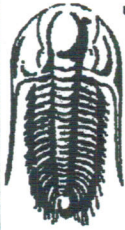
ATTN: Jim Baird

Test Start: 2011.08.18 @ 08:05:49

Tool Information

Drill Pipe:	Length: 3553.00 ft	Diameter: 3.80 inches	Volume: 49.84 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 50.43 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3682.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3662.00	
Shut In Tool	5.00			3667.00	
Hydraulic tool	5.00			3672.00	
Packer	5.00			3677.00	21.00 Bottom Of Top Packer
Packer	5.00			3682.00	
Stubb	1.00			3683.00	
Recorder	0.00	6625	Inside	3683.00	
Recorder	0.00	8700	Outside	3683.00	
Perforations	26.00			3709.00	
Bullnose	3.00			3712.00	30.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43448

DST#: 5

ATTN: Jim Baird

Test Start: 2011.08.18 @ 08:05:49

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 6.73 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 15%O85%M	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:

Pressure vs. Time

