

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

13-4s-22w Norton KS

Hansen Foundation #1-13

Start Date: 2011.05.17 @ 14:40:00

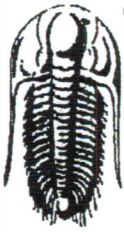
End Date: 2011.05.17 @ 19:53:45

Job Ticket #: 041108 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 Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041108 DST#: 1

ATTN: Richard Bell

Test Start: 2011.05.17 @ 14:40:00

GENERAL INFORMATION:

Formation: LKC "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:30:00

Time Test Ended: 19:53:45

Test Type: Conventional Bottom Hole

Tester: Kevin Mack

Unit No: 43

Interval: 3438.00 ft (KB) To 3460.00 ft (KB) (TVD)

Total Depth: 3460.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2213.00 ft (KB)

2208.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 20.24 psig @ 3439.00 ft (KB)

Start Date: 2011.05.17

End Date: 2011.05.17

Start Time: 14:40:05

End Time: 19:53:44

Capacity: 8000.00 psig

Last Calib.: 2011.05.17

Time On Btm: 2011.05.17 @ 16:29:45

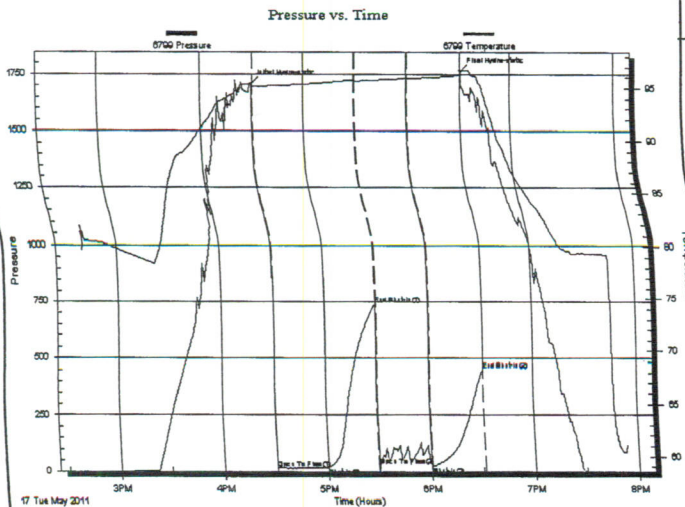
Time Off Btm: 2011.05.17 @ 18:31:30

TEST COMMENT: IF: Surface blow built to 1/8"

IS: No Return

FF: No Blow

FS: No Return



PRESSURE SUMMARY

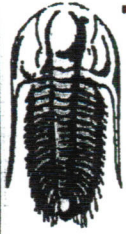
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1704.31	95.52	Initial Hydro-static
1	11.71	94.42	Open To Flow (1)
31	16.95	95.39	Shut-In(1)
60	738.83	95.78	End Shut-In(1)
61	24.16	95.62	Open To Flow (2)
91	20.24	95.94	Shut-In(2)
121	450.40	96.21	End Shut-In(2)
122	1763.85	96.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 2o 98M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041108

DST#: 1

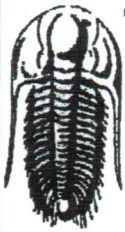
ATTN: Richard Bell

Test Start: 2011.05.17 @ 14:40:00

Tool Information

Drill Pipe:	Length: 3330.00 ft	Diameter: 3.80 inches	Volume: 46.71 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
			Total Volume: 47.30 bbl	Tool Chased: ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3438.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3423.00	
Hydraulic tool	5.00			3428.00	
Packer	5.00			3433.00	20.00 Bottom Of Top Packer
Packer	5.00			3438.00	
Stubb	1.00			3439.00	
Recorder	0.00	8648	Inside	3439.00	
Recorder	0.00	6799	Inside	3439.00	
Perforations	16.00			3455.00	
Bullnose	5.00			3460.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041108 **DST#: 1**

ATTN: Richard Bell

Test Start: 2011.05.17 @ 14:40:00

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 2o 98M	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 #: 6799

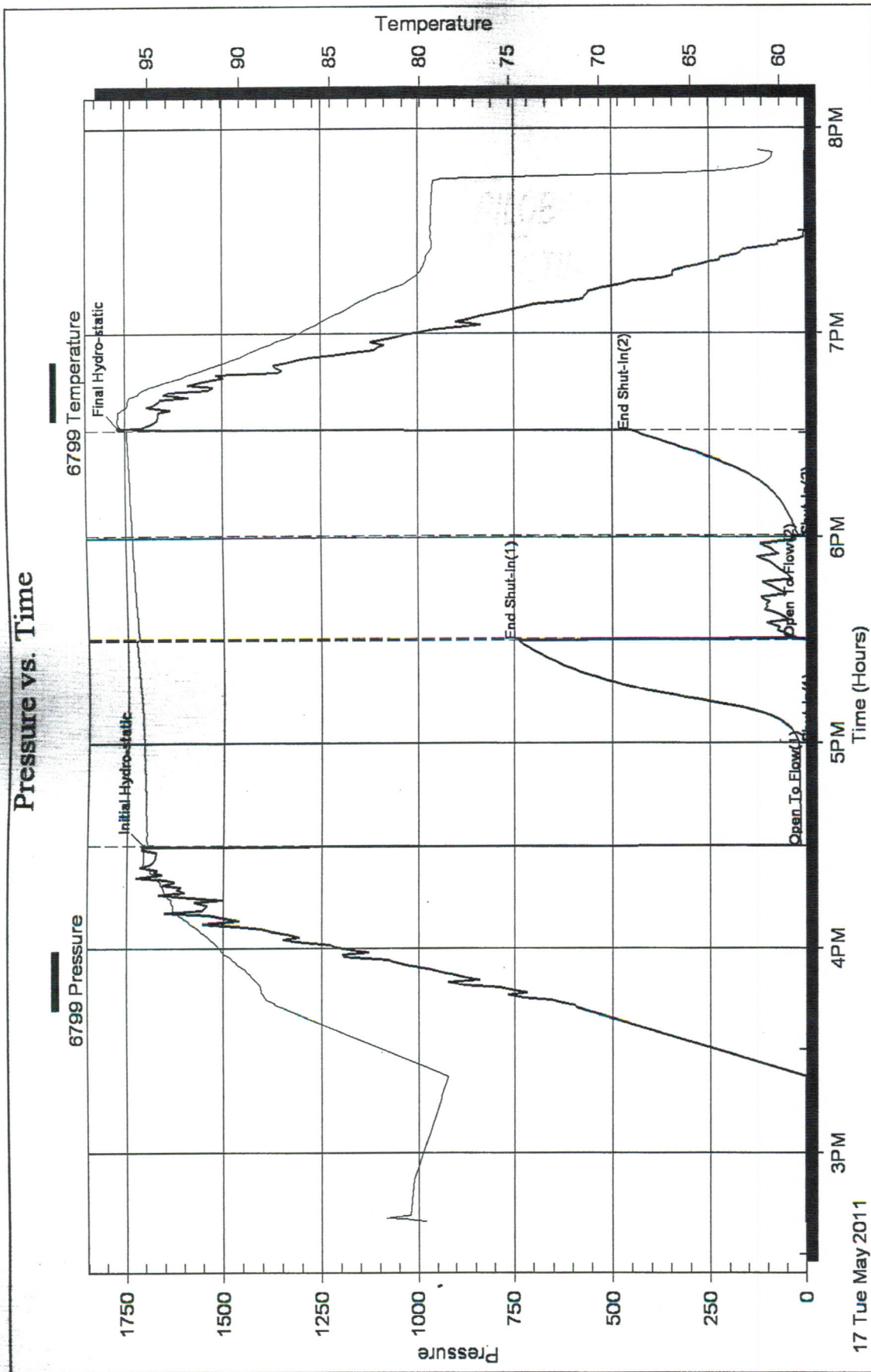
Inside

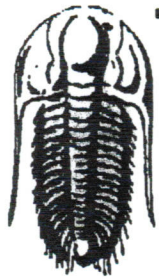
Baird Oil Co. LLC

13-4s-22w Norton KS

DST Test Number: 1

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

13-4s-22w Norton KS

Hansen Foundation #1-13

Start Date: 2011.05.18 @ 13:42:00

End Date: 2011.05.18 @ 19:41:30

Job Ticket #: 041109 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Baird Oil Co. LLC

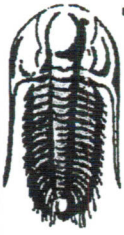
Hansen Foundation #1-13

13-4s-22w Norton KS

DST # 2

LKC "D"

2011.05.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

ATTN: Richard Bell

Job Ticket: 041109

DST#: 2

Test Start: 2011.05.18 @ 13:42:00

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:51:00

Time Test Ended: 19:41:30

Test Type: Conventional Bottom Hole

Tester: Kevin Mack

Unit No: 43

Interval: **3459.00 ft (KB) To 3478.00 ft (KB) (TVD)**

Reference Elevations: 2213.00 ft (KB)

Total Depth: 3478.00 ft (KB) (TVD)

2208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 23.30 psig @ 3460.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.18

End Date: 2011.05.18

Last Calib.: 2011.05.18

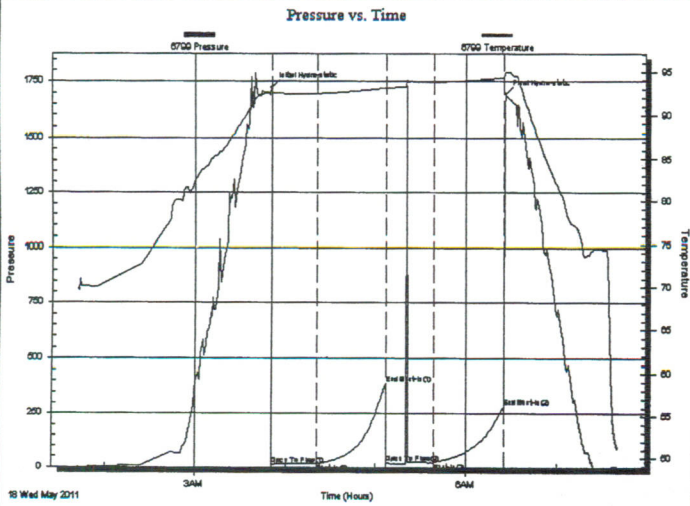
Start Time: 01:42:05

End Time: 07:41:29

Time On Btmr: 2011.05.18 @ 03:50:45

Time Off Btmr: 2011.05.18 @ 06:26:15

TEST COMMENT: IF: Surface blow built to 3/4" then died back to 1/2"
IS: No Return
FF: No Blow - flushed tool at 15 min.- No Blow
FS: No Return



PRESSURE SUMMARY

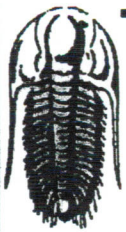
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1724.64	92.93	Initial Hydro-static
1	13.07	92.51	Open To Flow (1)
31	17.09	92.48	Shut-In(1)
76	387.90	93.15	End Shut-In(1)
77	21.93	93.10	Open To Flow (2)
108	23.30	93.82	Shut-In(2)
154	283.11	94.30	End Shut-In(2)
156	1696.20	94.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 5o 95M	0.07

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041109

DST#: 2

ATTN: Richard Bell

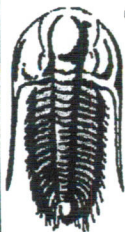
Test Start: 2011.05.18 @ 13:42:00

Tool Information

Drill Pipe:	Length: 3331.00 ft	Diameter: 3.80 inches	Volume: 46.73 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: 47.32 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3459.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	40.00 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			3439.00	
Shut In Tool	5.00			3444.00	
Hydraulic tool	5.00			3449.00	
Packer	5.00			3454.00	21.00 Bottom Of Top Packer
Packer	5.00			3459.00	
Stubb	1.00			3460.00	
Recorder	0.00	8648	Inside	3460.00	
Recorder	0.00	6799	Inside	3460.00	
Perforations	13.00			3473.00	
Bullnose	5.00			3478.00	19.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041109 **DST#: 2**

ATTN: Richard Bell

Test Start: 2011.05.18 @ 13:42:00

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 5o 95M	0.074

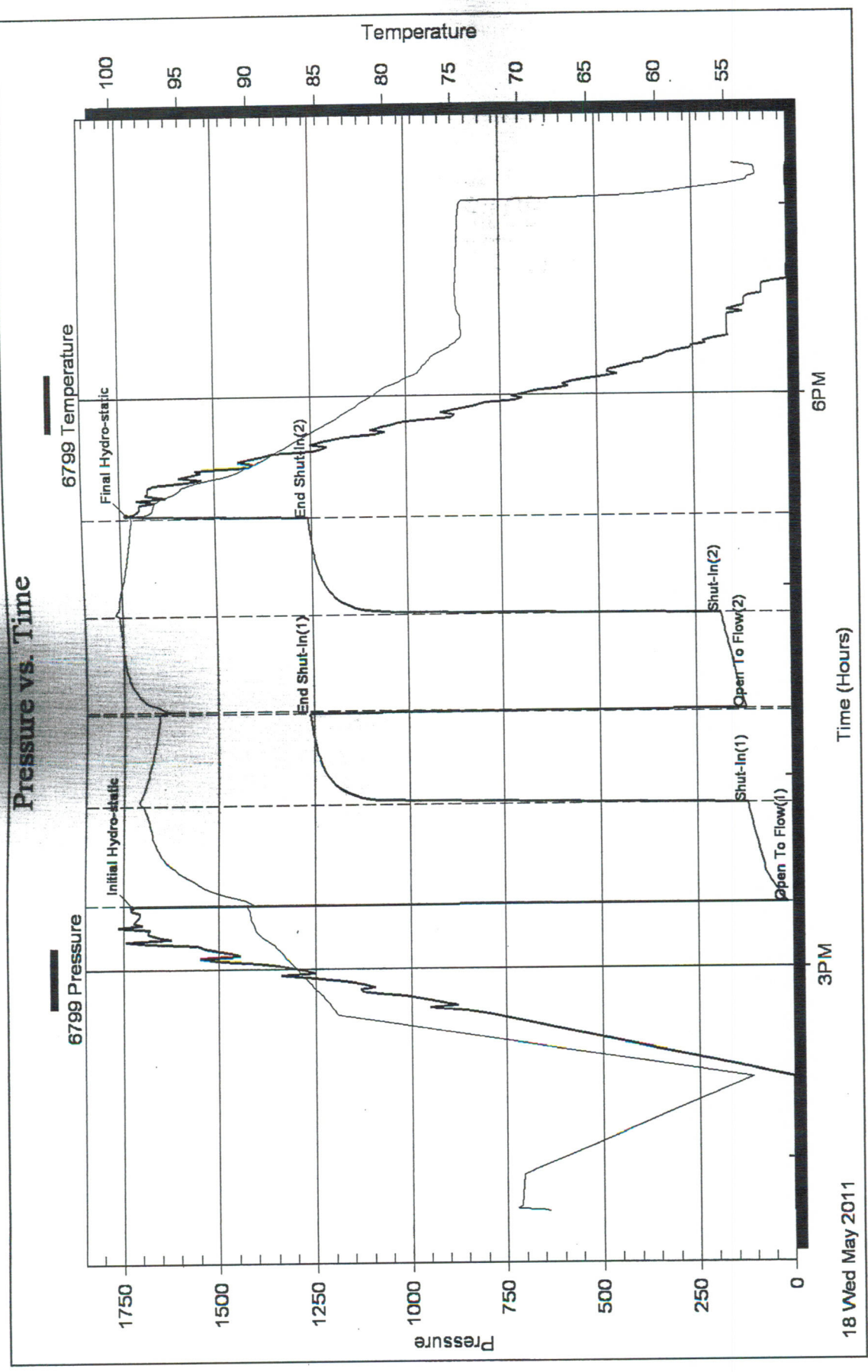
Total Length: 15.00 ft Total Volume: 0.074 bbl

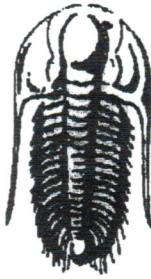
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

13-4s-22w Norton KS

Hansen Foundation #1-13

Start Date: 2011.05.18 @ 13:43:00

End Date: 2011.05.18 @ 19:13:00

Job Ticket #: 041110 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Baird Oil Co. LLC

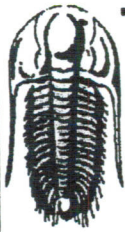
Hansen Foundation #1-13

13-4s-22w Norton KS

DST # 3

LKC "E-F"

2011.05.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041110 DST#: 3

ATTN: Richard Bell

Test Start: 2011.05.18 @ 13:43:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:19:45
 Time Test Ended: 19:13:00

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

Interval: **3475.00 ft (KB) To 3499.00 ft (KB) (TVD)**
 Total Depth: 3499.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2213.00 ft (KB)
 2208.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6799

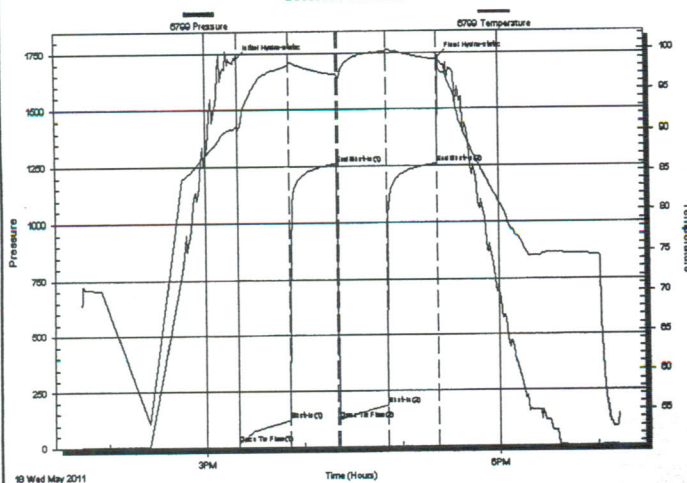
Inside

Press@RunDepth: 185.09 psig @ 3476.00 ft (KB)
 Start Date: 2011.05.18 End Date: 2011.05.18
 Start Time: 13:43:05 End Time: 19:12:59

Capacity: 8000.00 psig
 Last Calib.: 2011.05.18
 Time On Btm: 2011.05.18 @ 15:19:30
 Time Off Btm: 2011.05.18 @ 17:23:15

TEST COMMENT: IF: BOB in 16 min.
 IS: No Return
 FF: BOB in 22 min
 FS: No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1726.23	90.59	Initial Hydro-static
1	15.04	89.94	Open To Flow (1)
32	119.51	98.15	Shut-In(1)
61	1260.62	96.93	End Shut-In(1)
62	121.39	96.13	Open To Flow (2)
92	185.09	99.82	Shut-In(2)
123	1259.53	98.77	End Shut-In(2)
124	1730.81	97.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM (Heavy Mud) 100M (oil spots)	0.05
50.00	OSMV 15M 85W (oil spots)	0.25
296.00	OSMV 10M 90W (oil spots)	3.61

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041110

DST#: 3

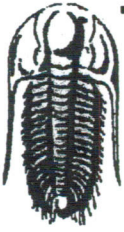
ATTN: Richard Bell

Test Start: 2011.05.18 @ 13:43:00

Tool Information

Drill Pipe:	Length: 3361.00 ft	Diameter: 3.80 inches	Volume: 47.15 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: 47.74 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3475.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3455.00	
Shut In Tool	5.00			3460.00	
Hydraulic tool	5.00			3465.00	
Packer	5.00			3470.00	21.00 Bottom Of Top Packer
Packer	5.00			3475.00	
Stubb	1.00			3476.00	
Recorder	0.00	8648	Inside	3476.00	
Recorder	0.00	6799	Inside	3476.00	
Perforations	18.00			3494.00	
Bullnose	5.00			3499.00	24.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041110 DST#: 3

ATTN: Richard Bell

Test Start: 2011.05.18 @ 13:43:00

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:	15500 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM (Heavy Mud) 100M (oil spots)	0.049
50.00	OSMW 15M 85W (oil spots)	0.246
296.00	OSMW 10M 90W (oil spots)	3.606

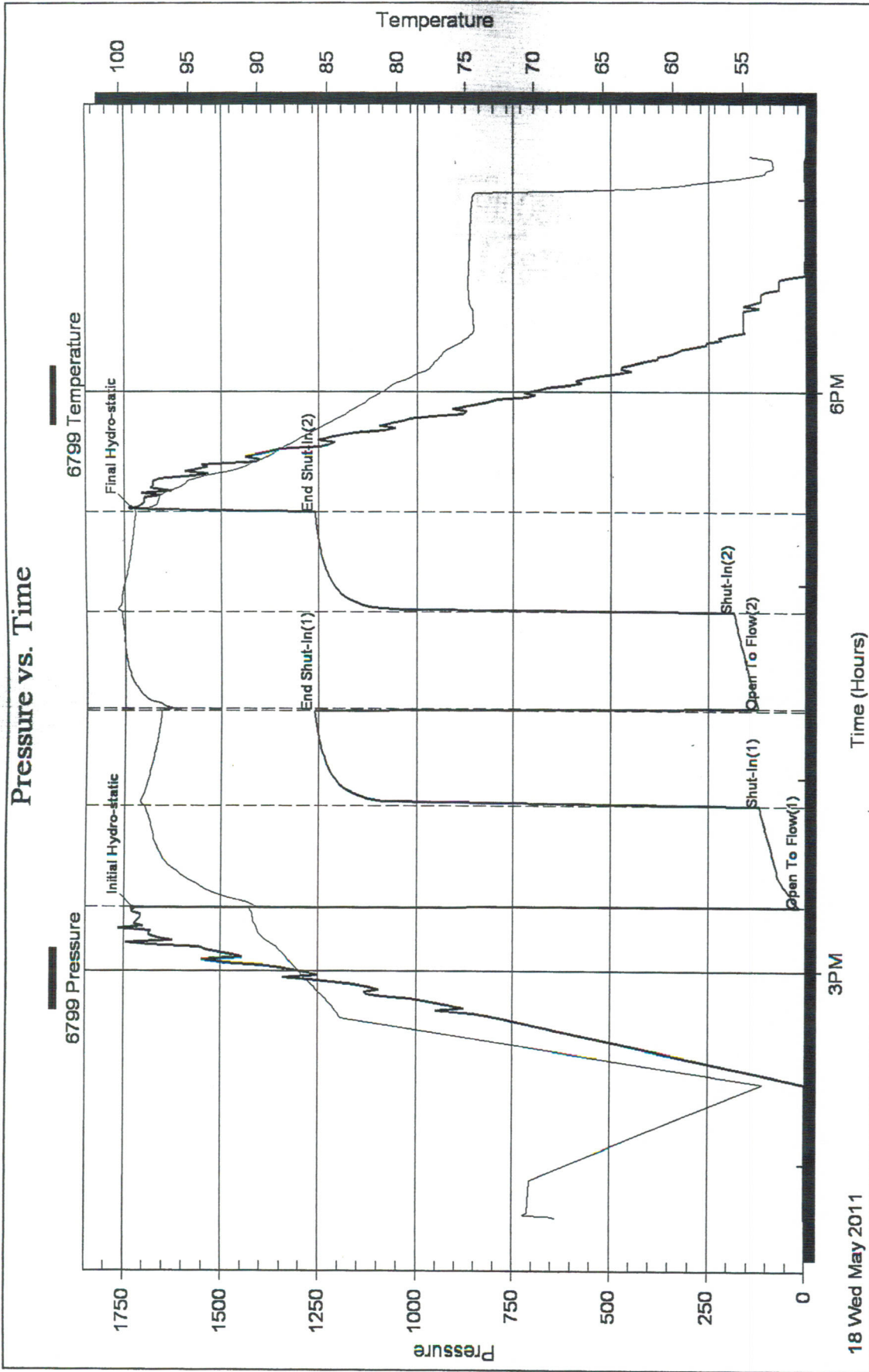
Total Length: 356.00 ft Total Volume: 3.901 bbl

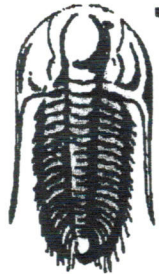
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Show of free oil at first wet connection
RW .22 @ 58 = 15,500 ppm

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

13-4s-22w Norton KS

Hansen Foundation #1-13

Start Date: 2011.05.18 @ 13:24:00

End Date: 2011.05.18 @ 17:12:00

Job Ticket #: 041111 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Baird Oil Co. LLC

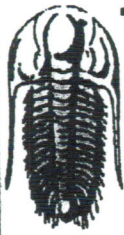
Hansen Foundation #1-13

13-4s-22w Norton KS

DST # 4

Arbuckle

2011.05.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC
 PO Box 428
 Logan, KS 67646
 ATTN: Richard Bell

Hansen Foundation #1-13
13-4s-22w Norton KS
 Job Ticket: 041111 **DST#: 4**
 Test Start: 2011.05.18 @ 13:24:00

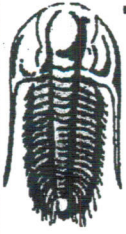
Tool Information

Drill Pipe:	Length: 3542.00 ft	Diameter: 3.80 inches	Volume: 49.68 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: lb
			Total Volume: 50.27 bbl	Tool Chased: ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3651.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	49.00 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			3631.00	
Shut In Tool	5.00			3636.00	
Hydraulic tool	5.00			3641.00	
Packer	5.00			3646.00	21.00 Bottom Of Top Packer
Packer	5.00			3651.00	
Stubb	1.00			3652.00	
Recorder	0.00	8648	Inside	3652.00	
Recorder	0.00	6799	Inside	3652.00	
Perforations	22.00			3674.00	
Bullnose	5.00			3679.00	28.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041111

DST#: 4

ATTN: Richard Bell

Test Start: 2011.05.18 @ 13:24:00

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: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
306.00	Mud 100M	3.199

Total Length: 306.00 ft

Total Volume: 3.199 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

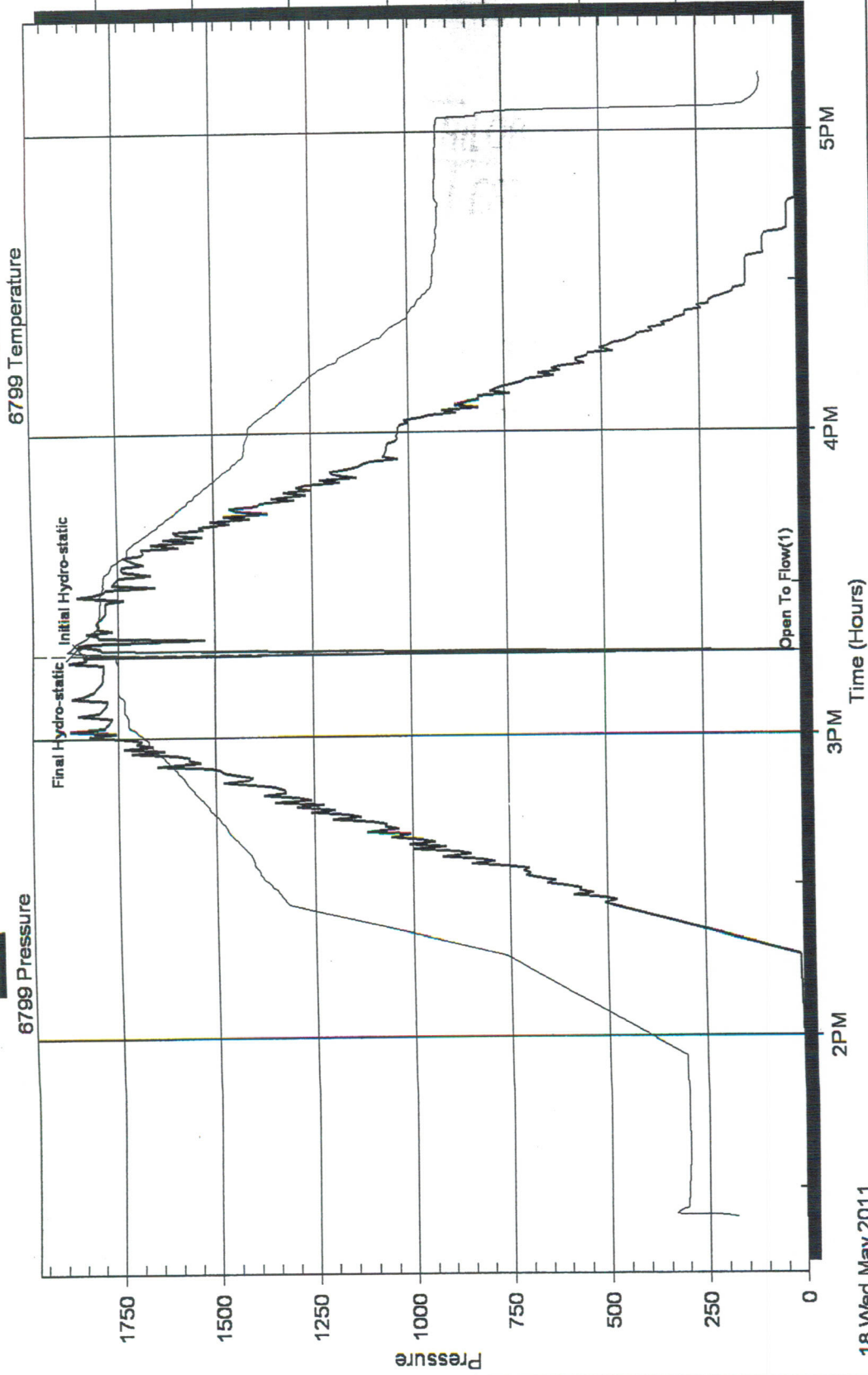
Serial #:

Laboratory Name:

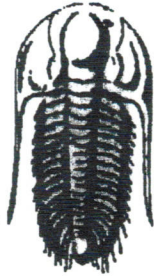
Laboratory Location:

Recovery Comments:

Pressure vs. Time



18 Wed May 2011



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

13-4s-22w Norton KS

Hansen Foundation #1-13

Start Date: 2011.05.19 @ 17:48:00

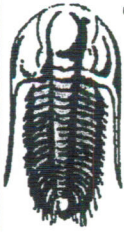
End Date: 2011.05.19 @ 22:31:00

Job Ticket #: 041112 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 Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

ATTN: Richard Bell

Job Ticket: 041112

DST#: 5

Test Start: 2011.05.19 @ 17:48:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:19:30

Time Test Ended: 22:31:00

Test Type: Conventional Bottom Hole

Tester: Kevin Mack

Unit No: 43

Interval: **3608.00 ft (KB) To 3679.00 ft (KB) (TVD)**

Reference Elevations: 2213.00 ft (KB)

Total Depth: 3679.00 ft (KB) (TVD)

2208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GRVCF: 5.00 ft

Serial #: 8648

Inside

Press@RunDepth: 36.79 psig @ 3609.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.19

End Date: 2011.05.19

Last Calib.: 2011.05.19

Start Time: 17:48:05

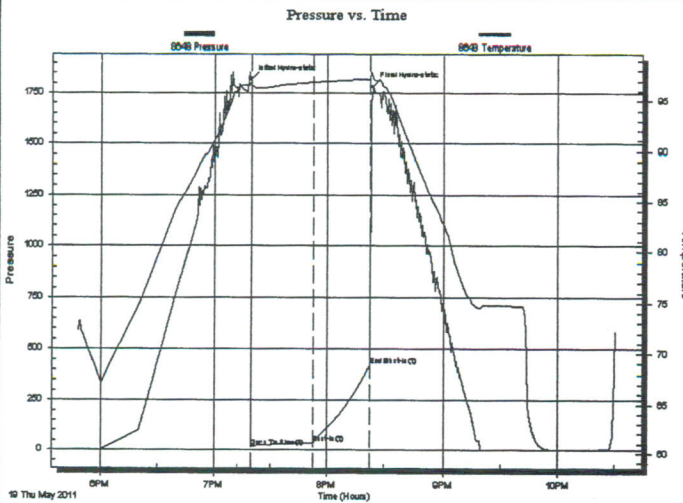
End Time: 22:30:59

Time On Btrr: 2011.05.19 @ 19:19:15

Time Off Btrr: 2011.05.19 @ 20:23:45

TEST COMMENT: IF: Blow built to 2"

IS: Weak surface return started at 10 min. Died at 20 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1817.09	96.86	Initial Hydro-static
1	17.74	96.41	Open To Flow (1)
34	36.79	96.88	Shut-In(1)
63	419.31	97.22	End Shut-In(1)
65	1782.78	97.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCCM90M 10o	0.25

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

Job Ticket: 041112 DST#: 5

ATTN: Richard Bell

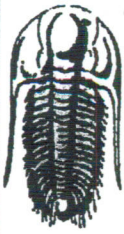
Test Start: 2011.05.19 @ 17:48:00

Tool Information

Drill Pipe:	Length: 3480.00 ft	Diameter: 3.80 inches	Volume: 48.82 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: 48000.00 lb
			<u>Total Volume: 49.41 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3608.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	92.00 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			3588.00	
Shut In Tool	5.00			3593.00	
Hydraulic tool	5.00			3598.00	
Packer	5.00			3603.00	21.00 Bottom Of Top Packer
Packer	5.00			3608.00	
Stubb	1.00			3609.00	
Recorder	0.00	8648	Inside	3609.00	
Recorder	0.00	6799	Inside	3609.00	
Perforations	32.00			3641.00	
Change Over Sub	1.00			3642.00	
Drill Pipe	31.00			3673.00	
Change Over Sub	1.00			3674.00	
Bullnose	5.00			3679.00	71.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Hansen Foundation #1-13

PO Box 428
Logan, KS 67646

13-4s-22w Norton KS

ATTN: Richard Bell

Job Ticket: 041112

DST#: 5

Test Start: 2011.05.19 @ 17:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	OCM 90M 10o	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

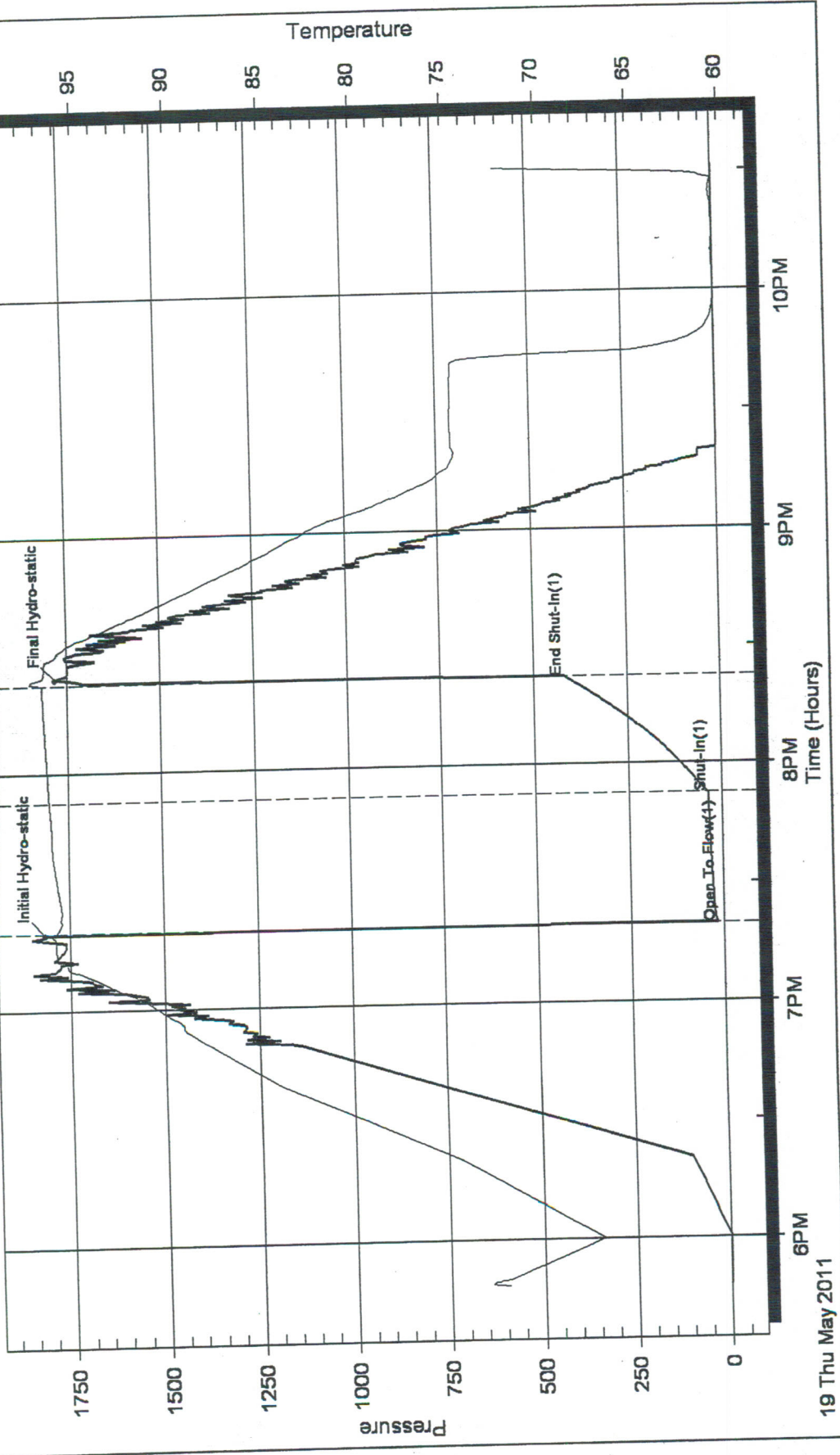
Laboratory Location:

Recovery Comments:

Pressure vs. Time

8648 Temperature

8648 Pressure



19 Thu May 2011