



DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.14 @ 22:20:00

End Date: 2012.10.15 @ 04:54:52

Job Ticket #: 51037 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 16:01:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51037

DST#: 1

ATTN: Jim R Baird

Test Start: 2012.10.14 @ 22:20:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 00:10:22

Time Test Ended: 04:54:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Interval: 3395.00 ft (KB) To 3418.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3418.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 338.51 psig @ 3396.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.14

End Date:

2012.10.15

Last Calib.: 2012.10.15

Start Time: 22:20:23

End Time:

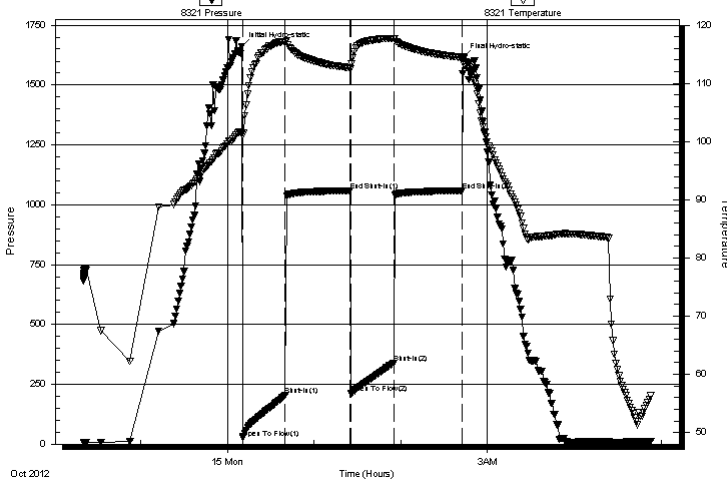
04:52:52

Time On Btm: 2012.10.15 @ 00:09:52

Time Off Btm: 2012.10.15 @ 02:43:22

TEST COMMENT: IFP-Good blow BOB in 7 3/4 min
ISI-Weak surface blow back built to 1/8"
FFP-Good blow BOB in 8 min
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.79	101.37	Initial Hydro-static
1	26.21	101.07	Open To Flow (1)
30	203.22	117.22	Shut-In(1)
75	1059.42	112.64	End Shut-In(1)
76	211.47	112.52	Open To Flow (2)
105	338.51	117.71	Shut-In(2)
153	1059.29	114.43	End Shut-In(2)
154	1614.47	113.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
628.00	MW 5%M95%W	7.68
63.00	MW with oil spots 30%M 70%W	0.88

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51037

DST#: 1

ATTN: Jim R Baird

Test Start: 2012.10.14 @ 22:20:00

Tool Information

Drill Pipe:	Length: 3266.00 ft	Diameter: 3.80 inches	Volume: 45.81 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 46.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3395.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 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			3376.00	
Shut In Tool	5.00			3381.00	
Hydraulic tool	5.00			3386.00	
Packer	4.00			3390.00	20.00 Bottom Of Top Packer
Packer	5.00			3395.00	
Stubb	1.00			3396.00	
Recorder	0.00	8321	Inside	3396.00	
Recorder	0.00	8737	Outside	3396.00	
Perforations	19.00			3415.00	
Bullnose	3.00			3418.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51037

DST#: 1

ATTN: Jim R Baird

Test Start: 2012.10.14 @ 22:20:00

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: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
628.00	MW 5%M95%W	7.680
63.00	MW w ith oil spots 30%M 70%W	0.884

Total Length: 691.00 ft

Total Volume: 8.564 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

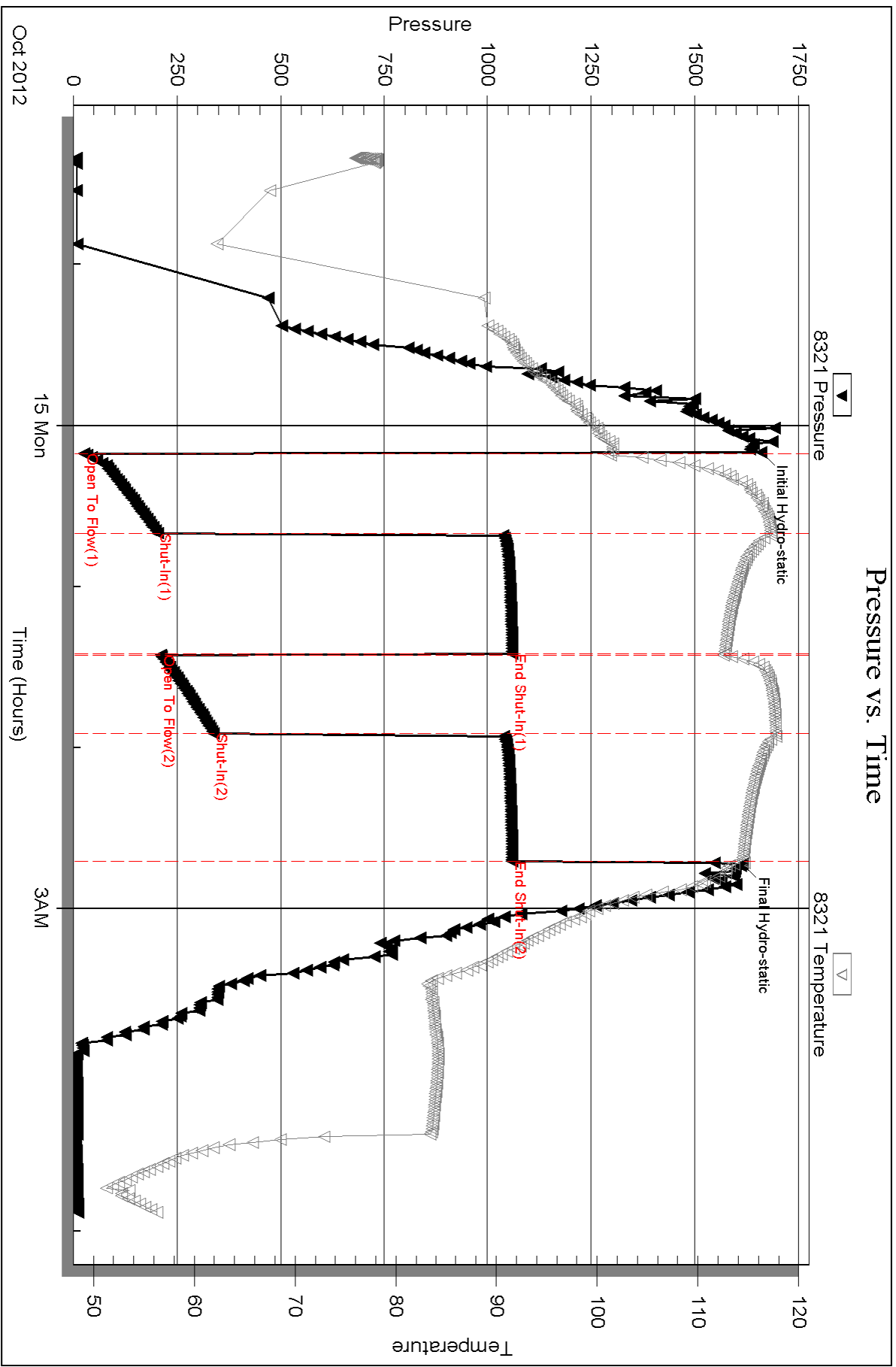
Serial #: 8321

Inside

Baird Oil Company, LLC

Quinn #3-2

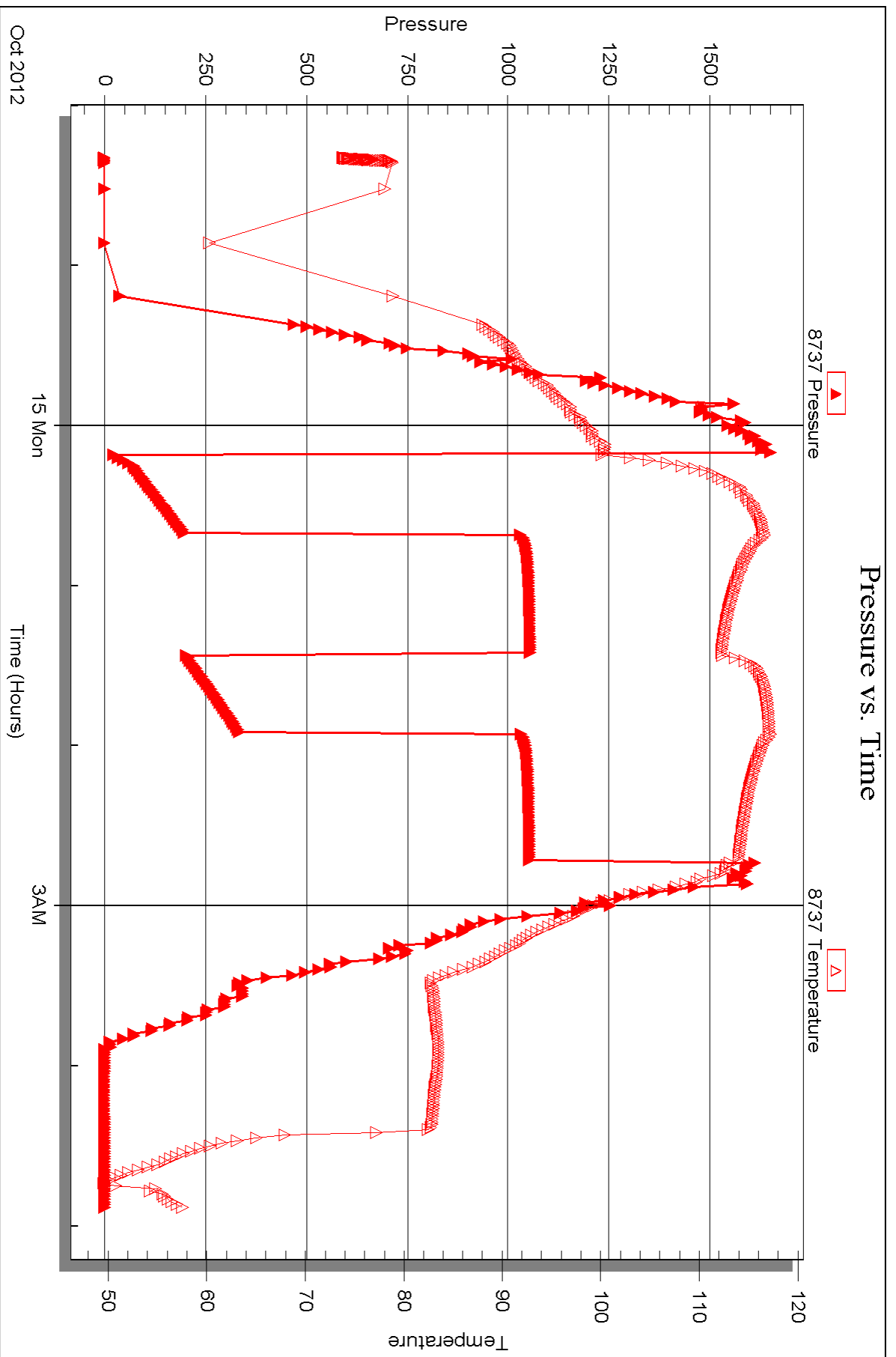
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51037

Printed: 2012.10.19 @ 16:01:21





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.15 @ 12:57:35

End Date: 2012.10.15 @ 18:25:05

Job Ticket #: 51038 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 16:00:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51038

DST#: 2

ATTN: Jim R Baird

Test Start: 2012.10.15 @ 12:57:35

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 14:51:05

Time Test Ended: 18:25:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: 3445.00 ft (KB) To 3483.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3483.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 133.73 psig @ 3448.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.15

End Date:

2012.10.15

Last Calib.: 2012.10.15

Start Time: 12:57:36

End Time:

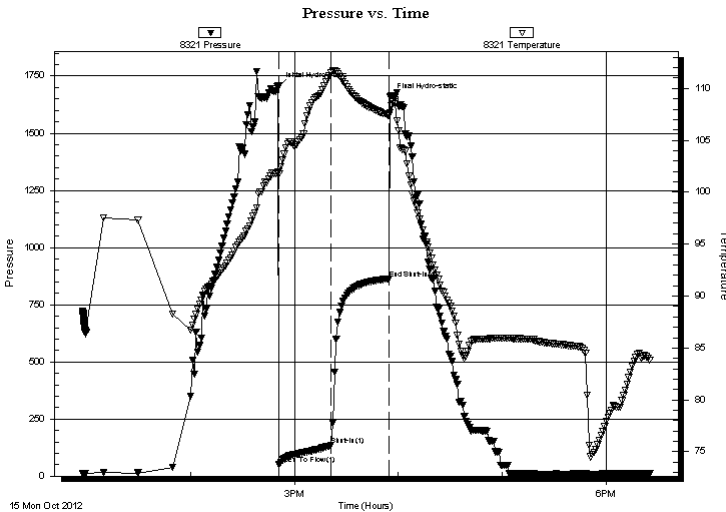
18:25:05

Time On Btm: 2012.10.15 @ 14:50:35

Time Off Btm: 2012.10.15 @ 15:55:05

TEST COMMENT: IFP=Good blow BOB in 7 1/2 min
ISI=Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.72	101.93	Initial Hydro-static
1	51.74	101.76	Open To Flow (1)
31	133.73	111.51	Shut-In(1)
64	862.38	107.42	End Shut-In(1)
65	1657.50	107.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MO 30% m 70% O	2.38
128.00	GO 15% G 85%)	1.80

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

2-7s-22w Graham,KS

Quinn #3-2

Job Ticket: 51038

DST#: 2

Test Start: 2012.10.15 @ 12:57:35

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 14:51:05

Time Test Ended: 18:25:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: 3445.00 ft (KB) To 3483.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3483.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press @RunDepth: psig @ 3448.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.15 End Date: 2012.10.15

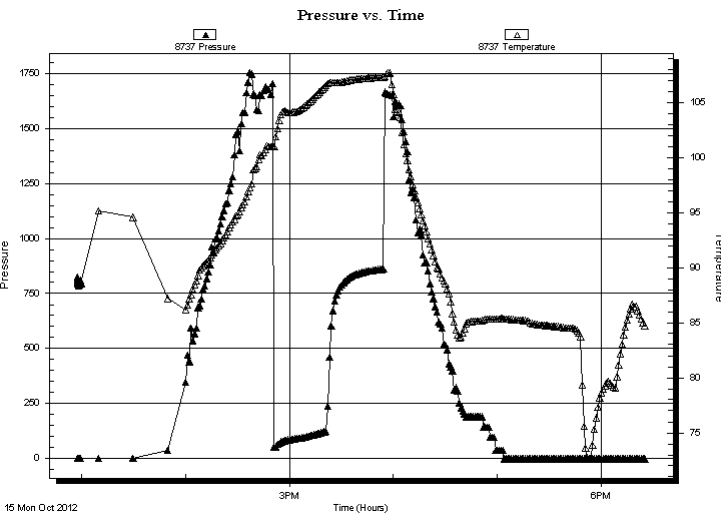
Last Calib.: 2012.10.15

Start Time: 12:57:36 End Time: 18:25:05

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP=Good blow BOB in 7 1/2 min
ISI=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MO 30% m 70% O	2.38
128.00	GO 15% G 85%)	1.80

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51038

DST#: 2

ATTN: Jim R Baird

Test Start: 2012.10.15 @ 12:57:35

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: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 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: 47.32 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3445.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	58.00 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			3426.00	
Shut In Tool	5.00			3431.00	
Hydraulic tool	5.00			3436.00	
Packer	4.00			3440.00	20.00 Bottom Of Top Packer
Packer	5.00			3445.00	
Stubb	1.00			3446.00	
Perforations	2.00			3448.00	
Recorder	0.00	8321	Inside	3448.00	
Recorder	0.00	8737	Outside	3448.00	
Perforations	32.00			3480.00	
Bullnose	3.00			3483.00	38.00 Bottom Packers & Anchor

Total Tool Length: 58.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51038

DST#: 2

ATTN: Jim R Baird

Test Start: 2012.10.15 @ 12:57:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
250.00	MO 30%m 70%O	2.377
128.00	GO 15%G 85%)	1.796

Total Length: 378.00 ft

Total Volume: 4.173 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

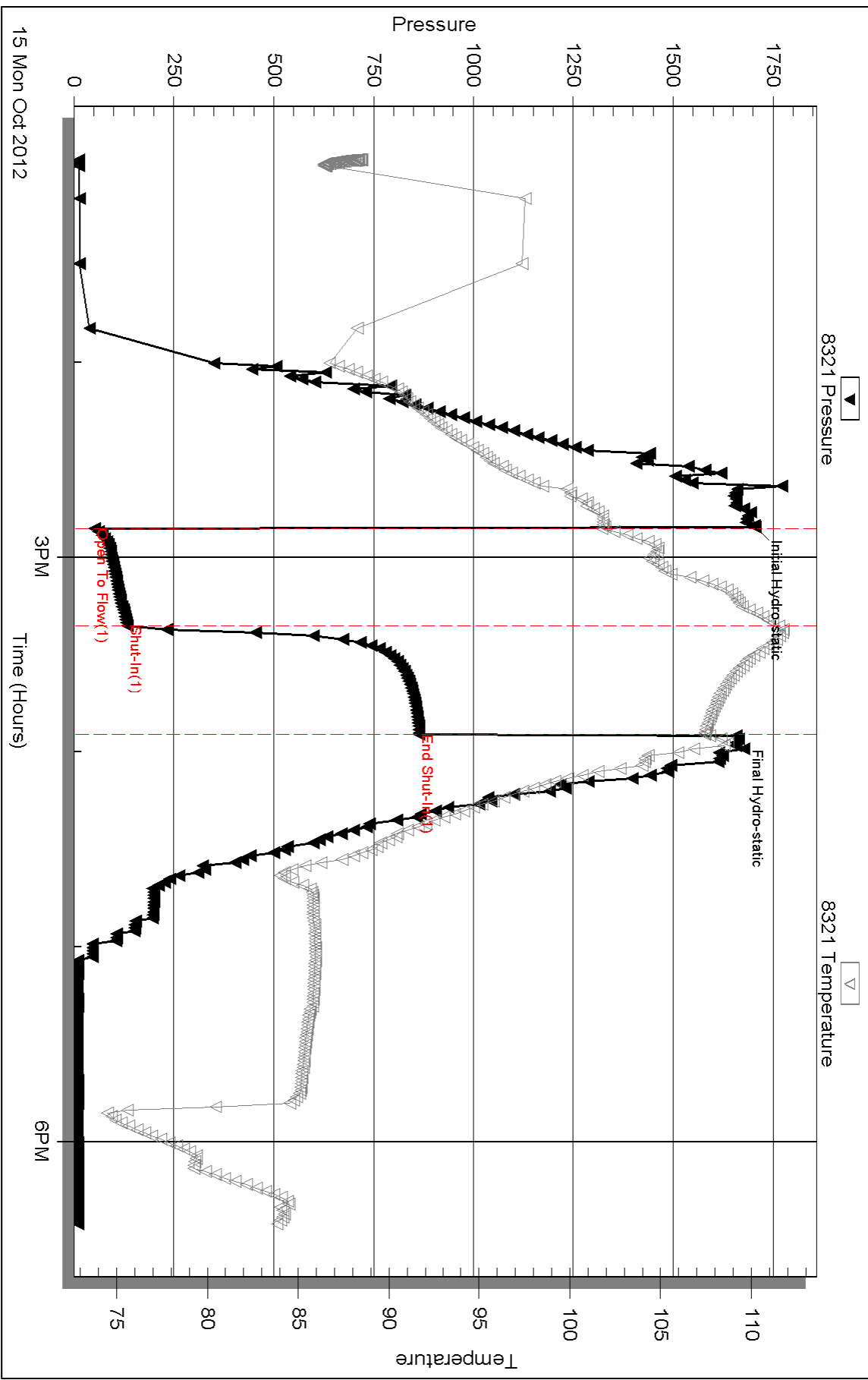
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

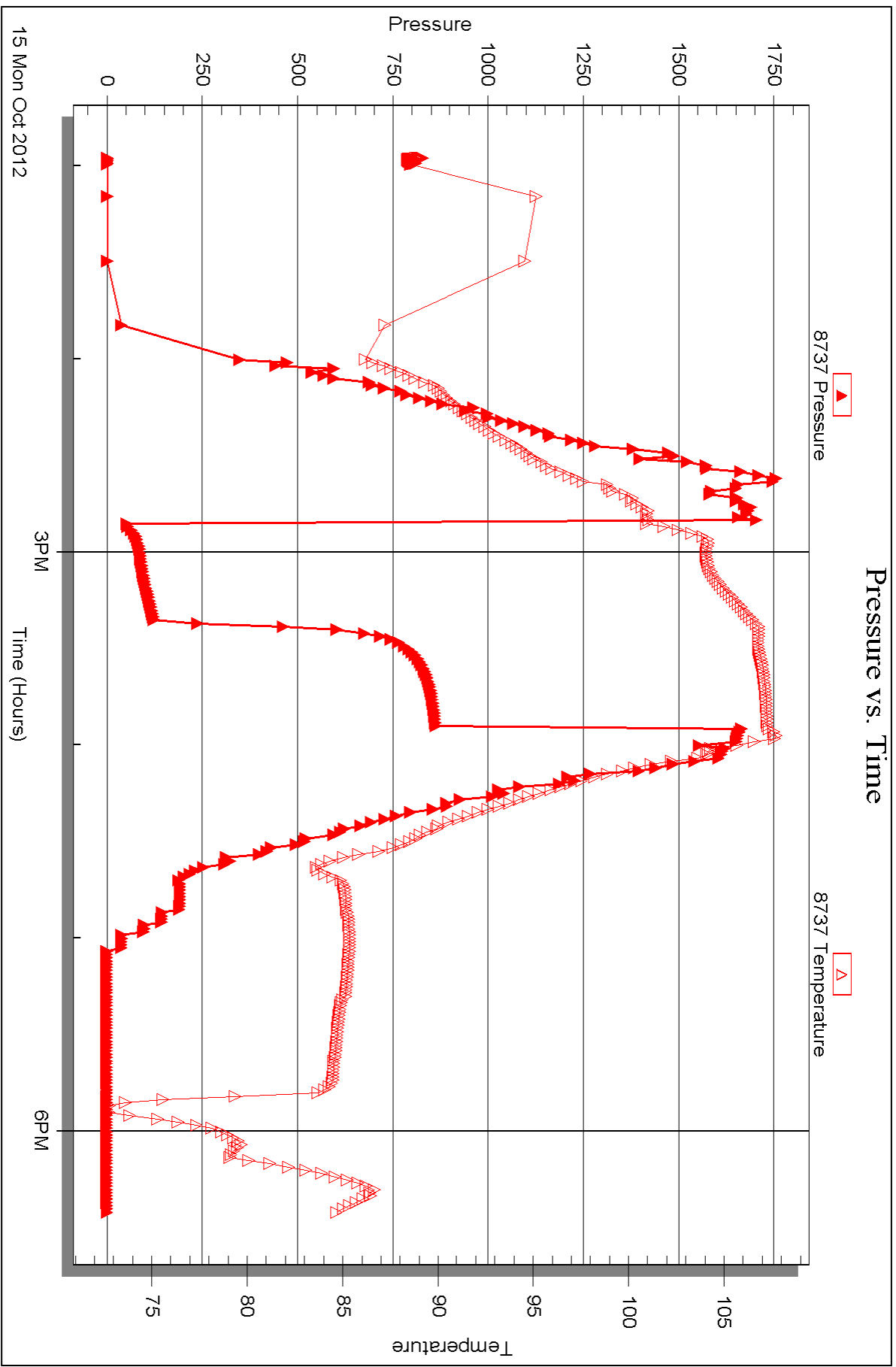


Serial #: 8737

Outside Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 2





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.16 @ 01:07:00

End Date: 2012.10.16 @ 08:08:00

Job Ticket #: 51039 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:59:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51039

DST#: 3

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 01:07:00

GENERAL INFORMATION:

Formation: **LKC " A "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 02:59:00

Time Test Ended: 08:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3485.00 ft (KB) To 3504.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3418.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press @ Run Depth: 51.95 psig @ 3486.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.16

End Date: 2012.10.16

Last Calib.: 2012.10.16

Start Time: 01:07:01

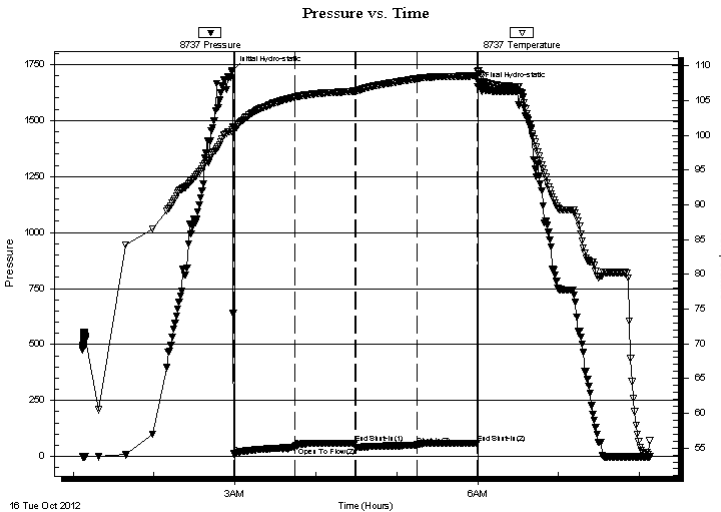
End Time: 08:07:30

Time On Btm: 2012.10.16 @ 02:58:00

Time Off Btm: 2012.10.16 @ 06:00:00

TEST COMMENT: 45-IFP- Surface Blow Building to BOB in 31min
45-ISIP- Weak Surface Blow in 5 min Died in 11min
45-FFP- Surface Blow Building to 6"
45-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.34	100.81	Initial Hydro-static
1	12.05	101.27	Open To Flow (1)
47	43.46	105.49	Shut-In(1)
91	60.16	106.38	End Shut-In(1)
92	40.62	106.37	Open To Flow (2)
137	51.95	108.15	Shut-In(2)
182	60.43	108.57	End Shut-In(2)
182	1650.14	109.21	Final Hydro-static

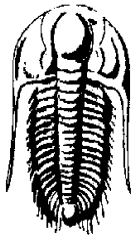
Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCO 35% m 65% o	0.30
30.00	OCM 40% o 60% m	0.15
0.00	90 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham, KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51039

DST#: 3

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 01:07:00

GENERAL INFORMATION:

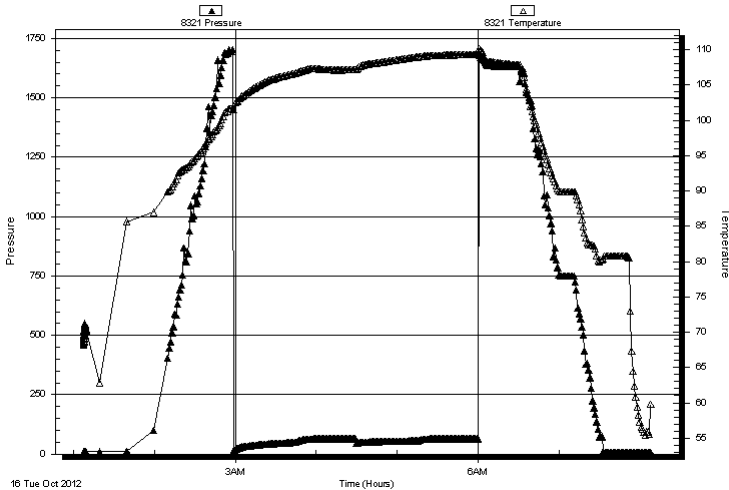
Formation: LKC " A "			
Deviated: No Whipstock: 2256.00 ft (KB)	Test Type: Conventional Bottom Hole (Reset)		
Time Tool Opened: 02:59:00	Tester: Jim Svaty		
Time Test Ended: 08:08:00	Unit No: 44		
Interval: 3485.00 ft (KB) To 3504.00 ft (KB) (TVD)	Reference Elevations: 2256.00 ft (KB)		
Total Depth: 3418.00 ft (KB) (TVD)	2251.00 ft (CF)		
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 5.00 ft		

Serial #: 8321 Inside

Press @ Run Depth: psig @ 3486.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.10.16 End Date: 2012.10.16	Last Calib.: 2012.10.16
Start Time: 01:07:31 End Time: 08:08:00	Time On Btm: Time Off Btm:

TEST COMMENT: 45-IFP- Surface Blow Building to BOB in 31min
 45-ISIP- Weak Surface Blow in 5 min Died in 11min
 45-FFP- Surface Blow Building to 6"
 45-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCO 35% m 65% o	0.30
30.00	OCM 40% o 60% m	0.15
0.00	90 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51039

DST#: 3

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 01:07:00

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 60000.00 lb
			<u>Total Volume: 47.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3485.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	39.00 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			3466.00	
Shut In Tool	5.00			3471.00	
Hydraulic tool	5.00			3476.00	
Packer	4.00			3480.00	20.00 Bottom Of Top Packer
Packer	5.00			3485.00	
Stubb	1.00			3486.00	
Recorder	0.00	8321	Inside	3486.00	
Recorder	0.00	8737	Outside	3486.00	
Perforations	15.00			3501.00	
Bullnose	3.00			3504.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51039

DST#: 3

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 01:07:00

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MCO 35% _m 65% _o	0.305
30.00	OCM 40% _o 60% _m	0.148
0.00	90 GIP	0.000

Total Length: 92.00 ft Total Volume: 0.453 bbl

Num Fluid Samples: 0

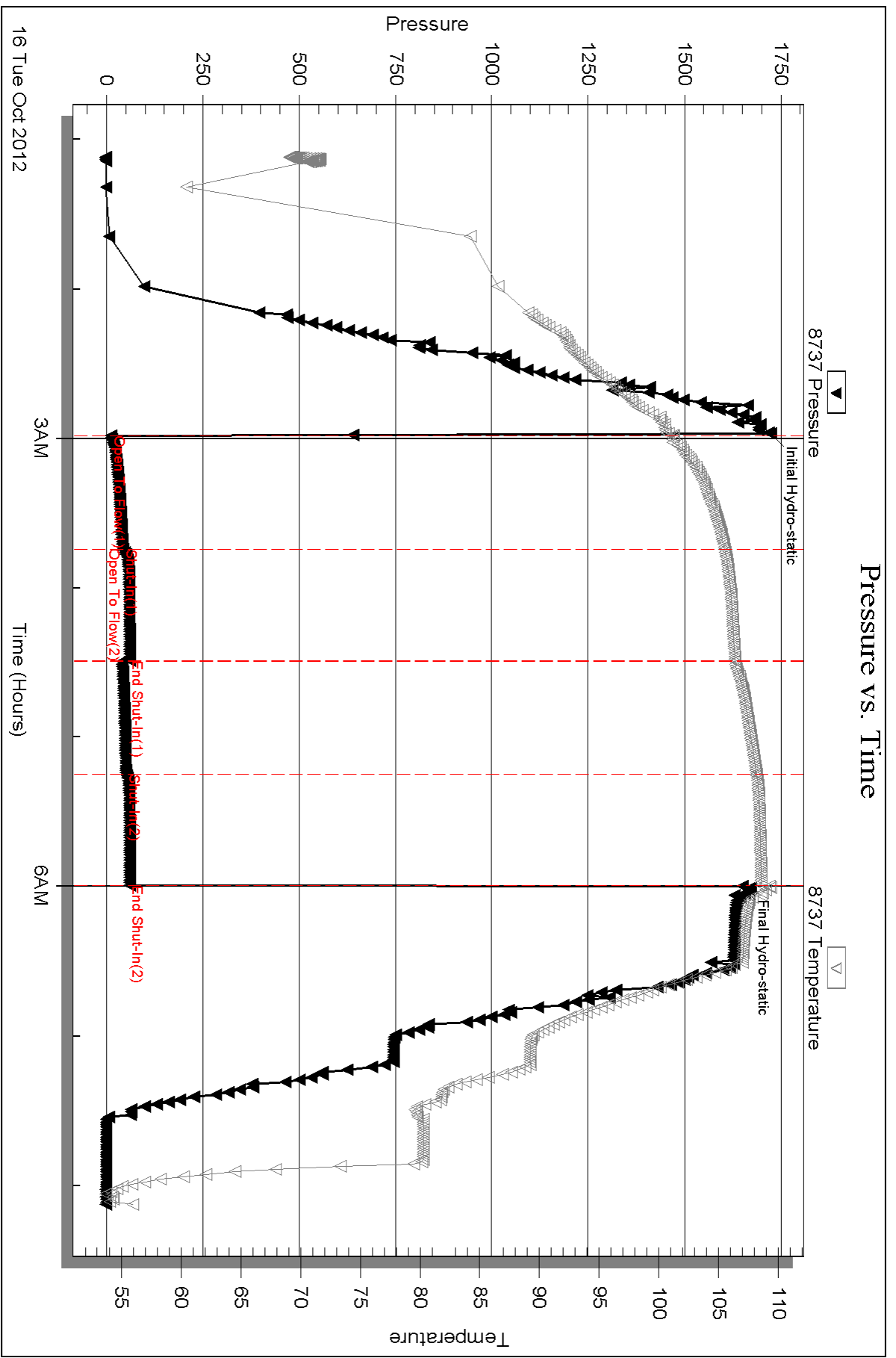
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



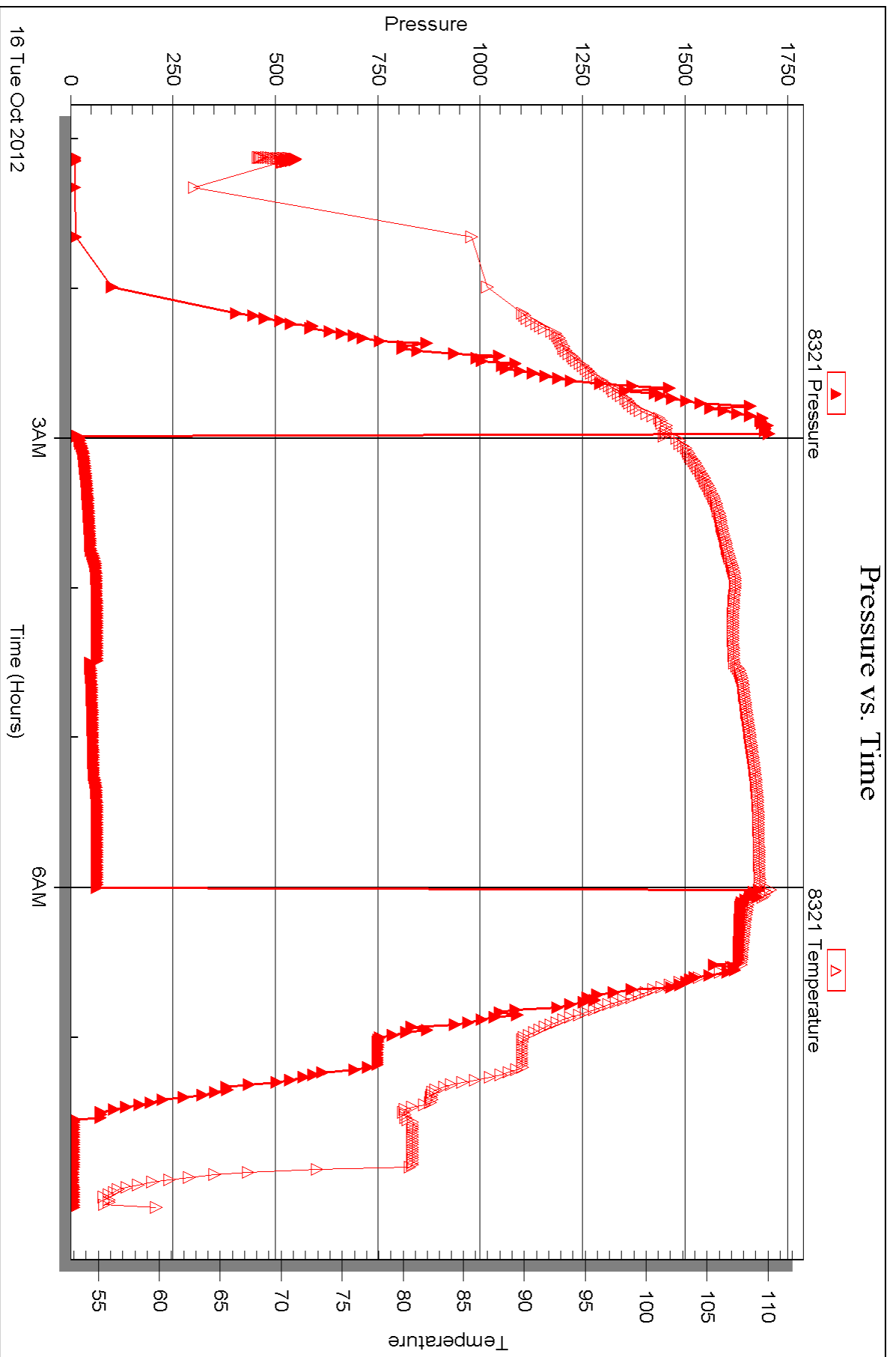
Serial #: 8321

Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 3





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.16 @ 13:45:00

End Date: 2012.10.16 @ 21:11:00

Job Ticket #: 51040 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:58:40

Baird Oil Company, LLC
2-7s-22w Graham,KS
Quinn #3-2
DST # 4
LKC " C "
2012.10.16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51040

DST#: 4

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 13:45:00

GENERAL INFORMATION:

Formation: **LKC " C "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 15:30:00

Time Test Ended: 21:11:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3512.00 ft (KB) To 3532.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3532.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press @ Run Depth: 513.09 psig @ 3513.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.16

End Date:

2012.10.16

Last Calib.:

2012.10.16

Start Time: 13:45:01

End Time:

21:10:30

Time On Btm:

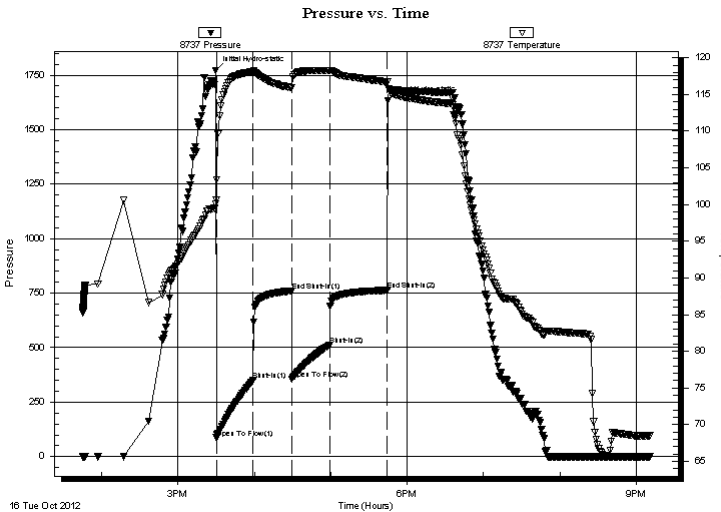
2012.10.16 @ 15:29:30

Time Off Btm:

2012.10.16 @ 17:45:00

TEST COMMENT: 30-IFP- BOB in 2 min 20 sec
30-ISIP- Surface Blow Building to 1"
30-FFP- BOB in 3 min 20 sec
45-FSIP- Surface Blow Building to 8"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.05	100.07	Initial Hydro-static
1	86.03	100.63	Open To Flow (1)
30	349.87	118.09	Shut-In(1)
60	760.05	115.92	End Shut-In(1)
60	356.36	115.97	Open To Flow (2)
90	513.09	118.23	Shut-In(2)
135	763.33	116.71	End Shut-In(2)
136	1633.55	116.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MCW 5% <i>m</i> 95% <i>w</i>	3.22
498.00	VSO&MCW 2% <i>o</i> 5% <i>m</i> 93% <i>w</i>	6.99
315.00	Gassy OMCW 10% <i>g</i> 7% <i>o</i> 20% <i>m</i> 63% <i>w</i>	4.42
70.00	Gassy MCO 25% <i>g</i> 5% <i>m</i> 70% <i>o</i>	0.98
0.00	297 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51040

DST#: 4

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 13:45:00

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.80 inches	Volume: 47.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 48.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3512.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 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			3493.00	
Shut In Tool	5.00			3498.00	
Hydraulic tool	5.00			3503.00	
Packer	4.00			3507.00	20.00 Bottom Of Top Packer
Packer	5.00			3512.00	
Stubb	1.00			3513.00	
Recorder	0.00	8321	Inside	3513.00	
Recorder	0.00	8737	Outside	3513.00	
Perforations	16.00			3529.00	
Bullnose	3.00			3532.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51040

DST#: 4

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 13:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.55 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
310.00	MCW 5%m 95%w	3.219
498.00	VSO&MCW 2%o 5%m 93%w	6.986
315.00	Gassy OMCW 10%g 7%o 20%m 63%w	4.419
70.00	Gassy MCO 25%g 5%m 70%o	0.982
0.00	297 GIP	0.000

Total Length: 1193.00 ft Total Volume: 15.606 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

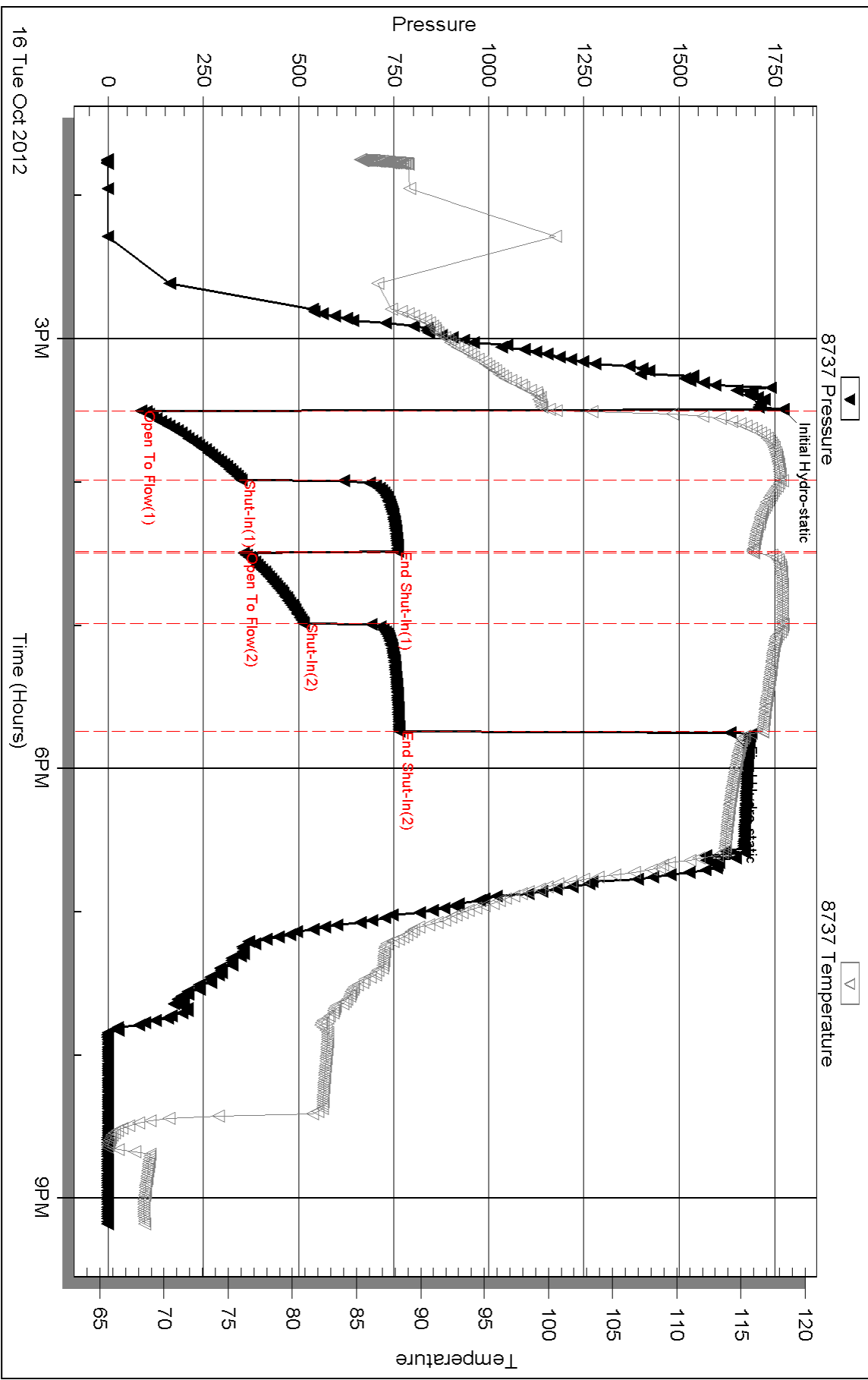
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .192 @ 67

Pressure vs. Time



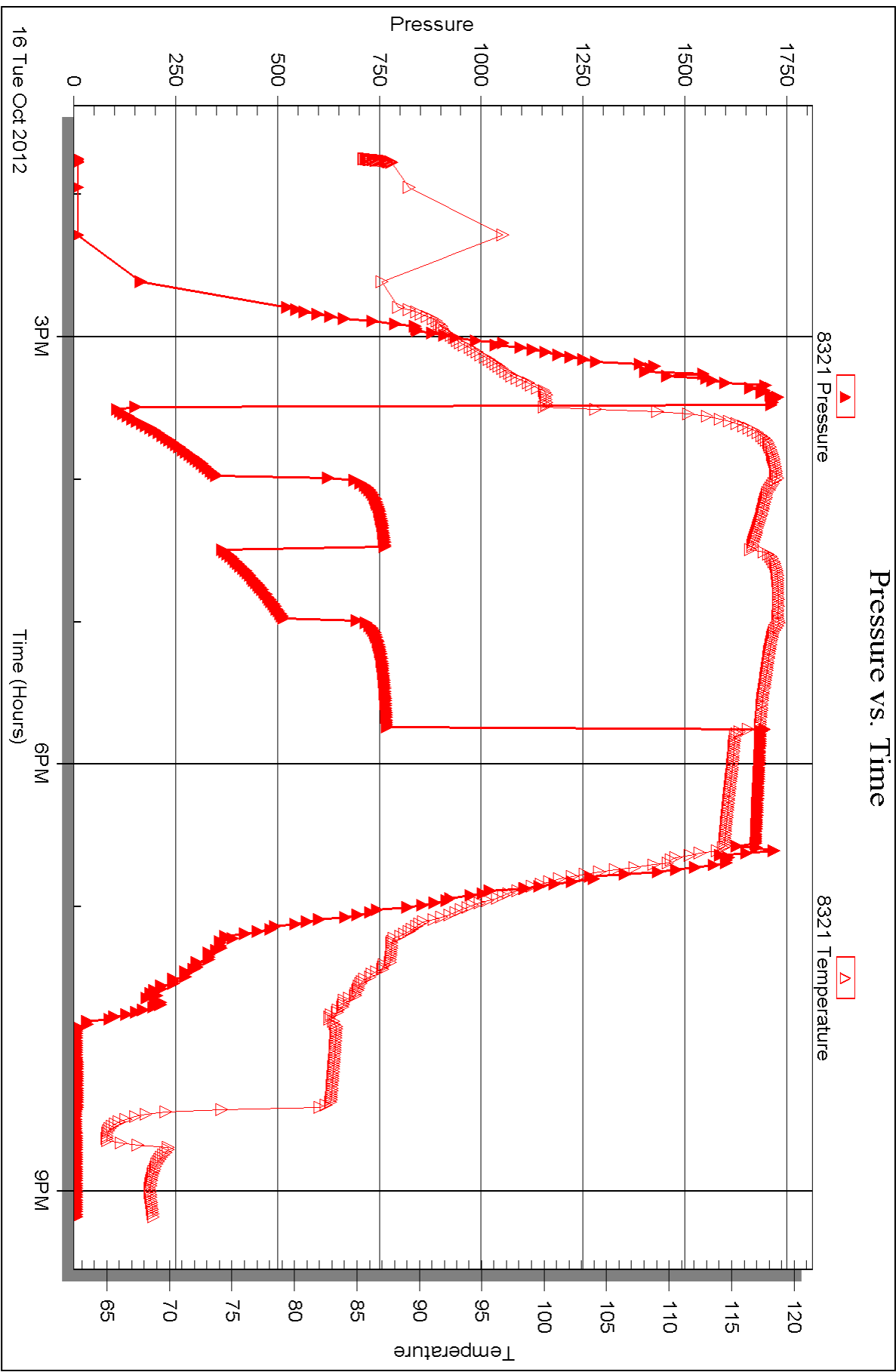
Serial #: 8321

Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 4





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.17 @ 02:02:00

End Date: 2012.10.17 @ 07:47:00

Job Ticket #: 51041 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:57:52

Baird Oil Company, LLC
2-7s-22w Graham,KS
Quinn #3-2
DST # 5
LKC " D "
2012.10.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

2-7s-22w Graham,KS
Quinn #3-2
 Job Ticket: 51041 **DST#: 5**
 Test Start: 2012.10.17 @ 02:02:00

GENERAL INFORMATION:

Formation: **LKC " D "**
 Deviated: No Whipstock: 2256.00 ft (KB)
 Time Tool Opened: 04:05:00
 Time Test Ended: 07:47:00
 Interval: **3532.00 ft (KB) To 3548.00 ft (KB) (TVD)**
 Total Depth: 3548.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 44
 Reference Elevations: 2256.00 ft (KB)
 2251.00 ft (CF)
 KB to GR/CF: 5.00 ft

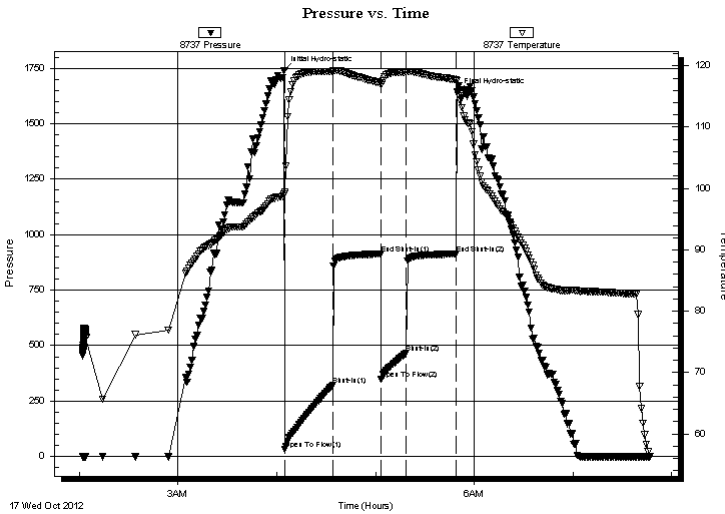
Serial #: 8737

Outside

Press @ RunDepth: 465.56 psig @ 3533.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.17 End Date: 2012.10.17 Last Calib.: 2012.10.17
 Start Time: 02:02:01 End Time: 07:47:00 Time On Btm: 2012.10.17 @ 04:04:30
 Time Off Btm: 2012.10.17 @ 05:49:30

TEST COMMENT: 30-IFP- BOB in 5 min
 30-ISIP- No Blow Back
 15-FFP- BOB in 4 min 40 sec
 30-FSIP- No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1739.93	99.08	Initial Hydro-static
1	31.80	99.39	Open To Flow (1)
30	322.43	119.09	Shut-In(1)
59	912.72	117.22	End Shut-In(1)
59	347.57	116.91	Open To Flow (2)
74	465.56	118.96	Shut-In(2)
105	912.54	117.75	End Shut-In(2)
105	1641.70	117.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
695.00	Water	8.62
126.00	MCW 15%m 85%w	1.77
74.00	MCW 40%m 60%w	1.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham, KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51041

DST#: 5

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 02:02:00

GENERAL INFORMATION:

Formation: **LKC " D "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 04:05:00

Time Test Ended: 07:47:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3532.00 ft (KB) To 3548.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3548.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8321 Inside

Press @ Run Depth: psig @ 3533.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.17

End Date:

2012.10.17

Last Calib.:

2012.10.17

Start Time: 02:02:01

End Time:

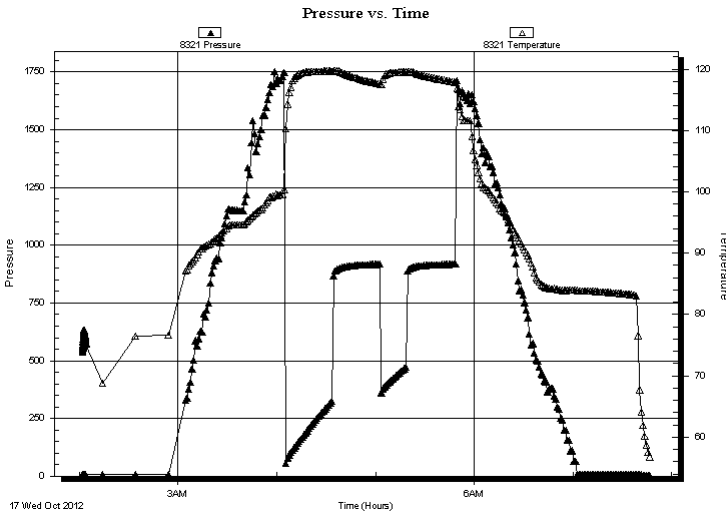
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Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 5 min
30-ISIP- No Blow Back
15-FFP- BOB in 4 min 40 sec
30-FSIP- No Blow Back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
695.00	Water	8.62
126.00	MCW 15% m 85% w	1.77
74.00	MCW 40% m 60% w	1.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51041

DST#: 5

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 02:02:00

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.80 inches	Volume: 47.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 49000.00 lb
			<u>Total Volume: 48.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3532.00 ft			Final 46000.00 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
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3513.00	
Shut In Tool	5.00			3518.00	
Hydraulic tool	5.00			3523.00	
Packer	4.00			3527.00	20.00 Bottom Of Top Packer
Packer	5.00			3532.00	
Stubb	1.00			3533.00	
Recorder	0.00	8321	Inside	3533.00	
Recorder	0.00	8737	Outside	3533.00	
Perforations	12.00			3545.00	
Bullnose	3.00			3548.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51041

DST#: 5

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 02:02:00

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:

76000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
695.00	Water	8.619
126.00	MCW 15%m 85%w	1.767
74.00	MCW 40%m 60%w	1.038

Total Length: 895.00 ft Total Volume: 11.424 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

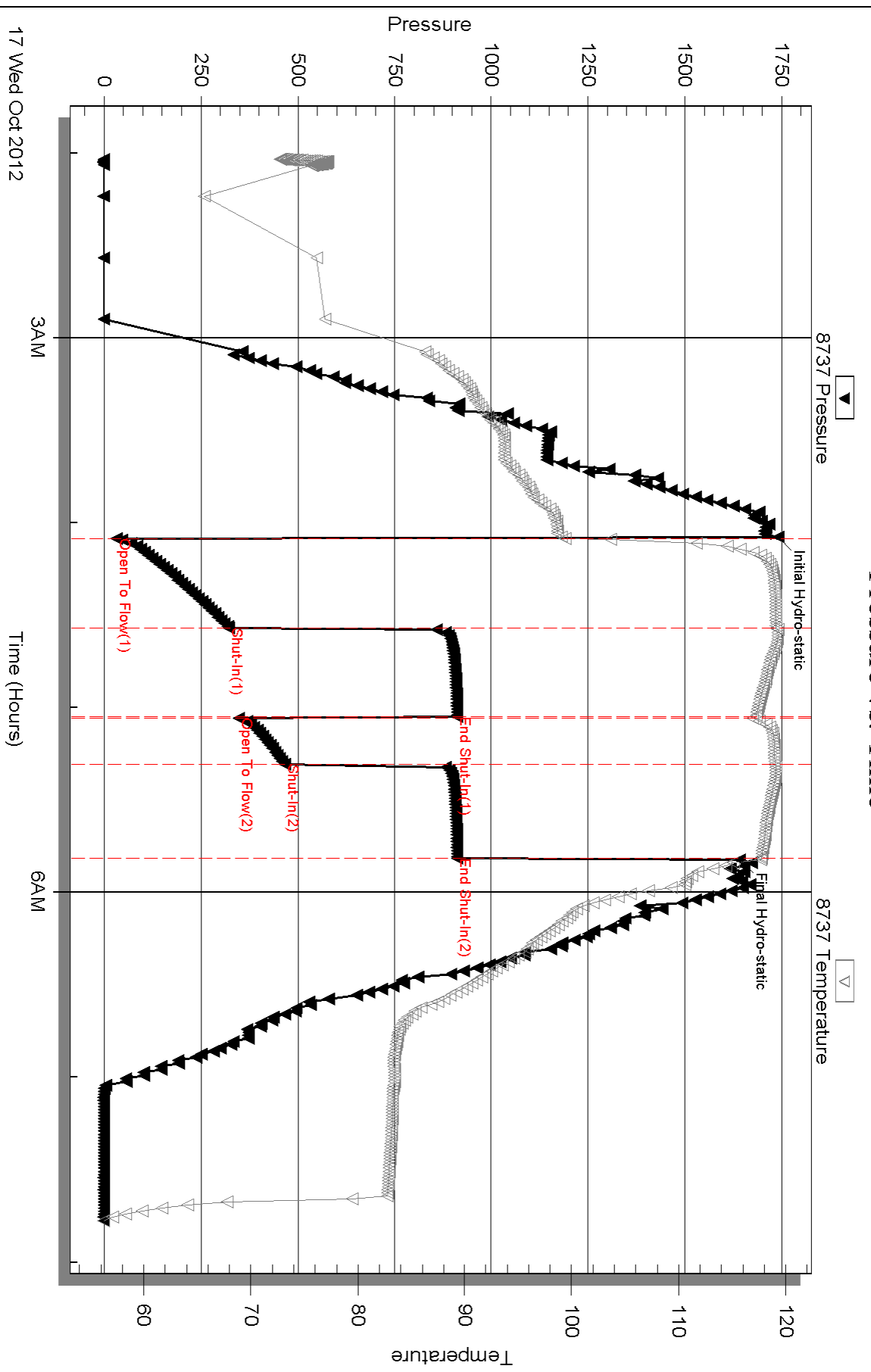
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .124 @ 56

Pressure vs. Time



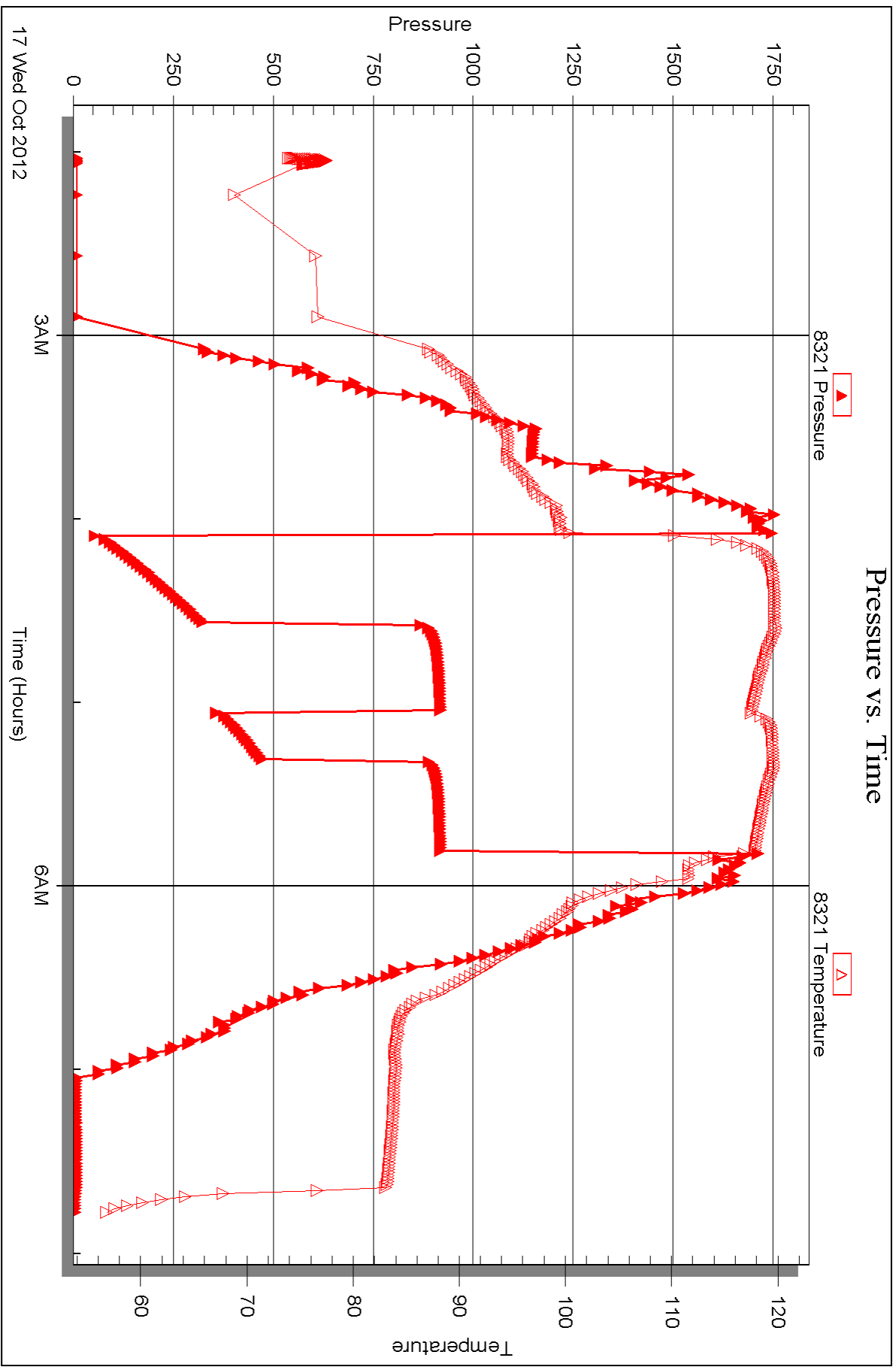
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Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 51041

Printed: 2012.10.19 @ 15:57:56



DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.17 @ 13:50:00

End Date: 2012.10.17 @ 19:21:00

Job Ticket #: 51042 DST #: 6

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

Printed: 2012.10.19 @ 15:56:56



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51042

DST#: 6

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 13:50:00

GENERAL INFORMATION:

Formation: **LKC " E & F "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 15:31:55

Time Test Ended: 19:21:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3548.00 ft (KB) To 3575.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3575.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press @ Run Depth: 85.22 psig @ 3549.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.17

End Date:

2012.10.17

Last Calib.:

2012.10.17

Start Time: 13:50:01

End Time:

19:19:55

Time On Btm:

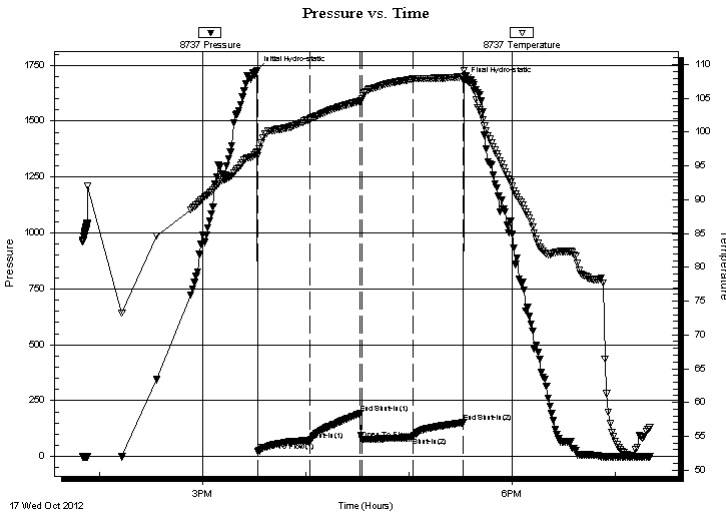
2012.10.17 @ 15:31:25

Time Off Btm:

2012.10.17 @ 17:31:55

TEST COMMENT: 30-IFP- Surface Blow Building to 8 1/4"
30-ISIP- No Blow Back
30-FFP- Surface Blow Building to 3"
30-FSIP- Weak Surface Blow in 3 min Died in 7 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1726.96	97.07	Initial Hydro-static
1	21.53	96.49	Open To Flow (1)
31	70.77	101.93	Shut-In(1)
60	192.09	104.59	End Shut-In(1)
61	75.93	104.87	Open To Flow (2)
91	85.22	107.86	Shut-In(2)
120	151.83	108.20	End Shut-In(2)
121	1676.42	109.14	Final Hydro-static

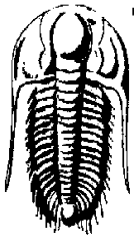
Recovery

Length (ft)	Description	Volume (bbl)
124.00	O&WCM 2%o 5%w 93%m	0.61
25.00	OCM 35%o 65%m	0.35
10.00	CO 100%	0.14
0.00	30 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

2-7s-22w Graham, KS

Quinn #3-2

Job Ticket: 51042

DST#: 6

Test Start: 2012.10.17 @ 13:50:00

GENERAL INFORMATION:

Formation: **LKC " E & F "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 15:31:55

Time Test Ended: 19:21:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3548.00 ft (KB) To 3575.00 ft (KB) (TVD)

Total Depth: 3575.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2256.00 ft (KB)

2251.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8321 **Inside**

Press @ Run Depth: psig @ 3549.00 ft (KB)

Start Date: 2012.10.17

End Date: 2012.10.17

Capacity: 8000.00 psig

Last Calib.: 2012.10.17

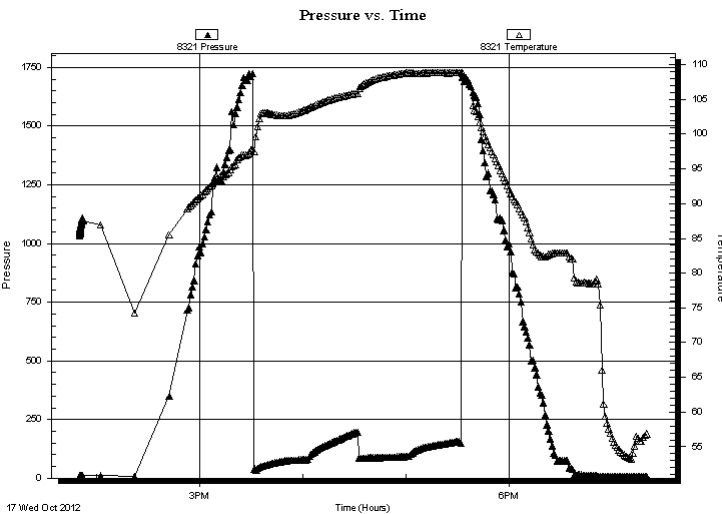
Start Time: 13:50:26

End Time: 19:19:55

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- Surface Blow Building to 8 1/4"
30-ISIP- No Blow Back
30-FFP- Surface Blow Building to 3"
30-FSIP- Weak Surface Blow in 3 min Died in 7 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	O&WCM 2%o 5%w 93%m	0.61
25.00	OCM 35%o 65%m	0.35
10.00	CO 100%	0.14
0.00	30 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51042

DST#: 6

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 13:50:00

Tool Information

Drill Pipe:	Length: 3423.00 ft	Diameter: 3.80 inches	Volume: 48.02 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 48.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3548.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 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			3529.00	
Shut In Tool	5.00			3534.00	
Hydraulic tool	5.00			3539.00	
Packer	4.00			3543.00	20.00 Bottom Of Top Packer
Packer	5.00			3548.00	
Stubb	1.00			3549.00	
Recorder	0.00	8321	Inside	3549.00	
Recorder	0.00	8737	Outside	3549.00	
Perforations	23.00			3572.00	
Bullnose	3.00			3575.00	27.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51042

DST#: 6

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 13:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	O&WCM 2%o 5%w 93%m	0.610
25.00	OCM 35%o 65%m	0.351
10.00	CO 100%	0.140
0.00	30 GIP	0.000

Total Length: 159.00 ft

Total Volume: 1.101 bbl

Num Fluid Samples: 0

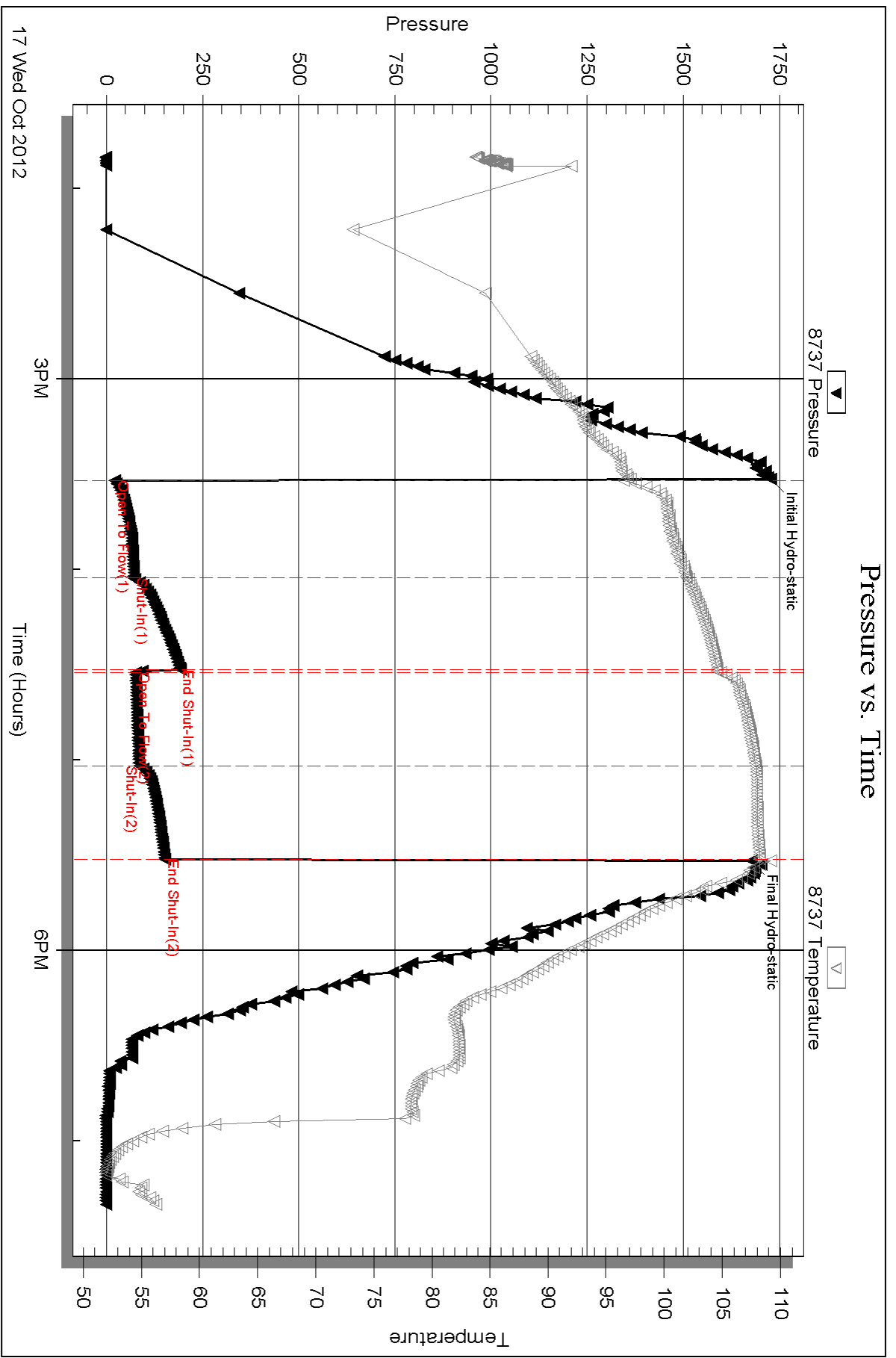
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



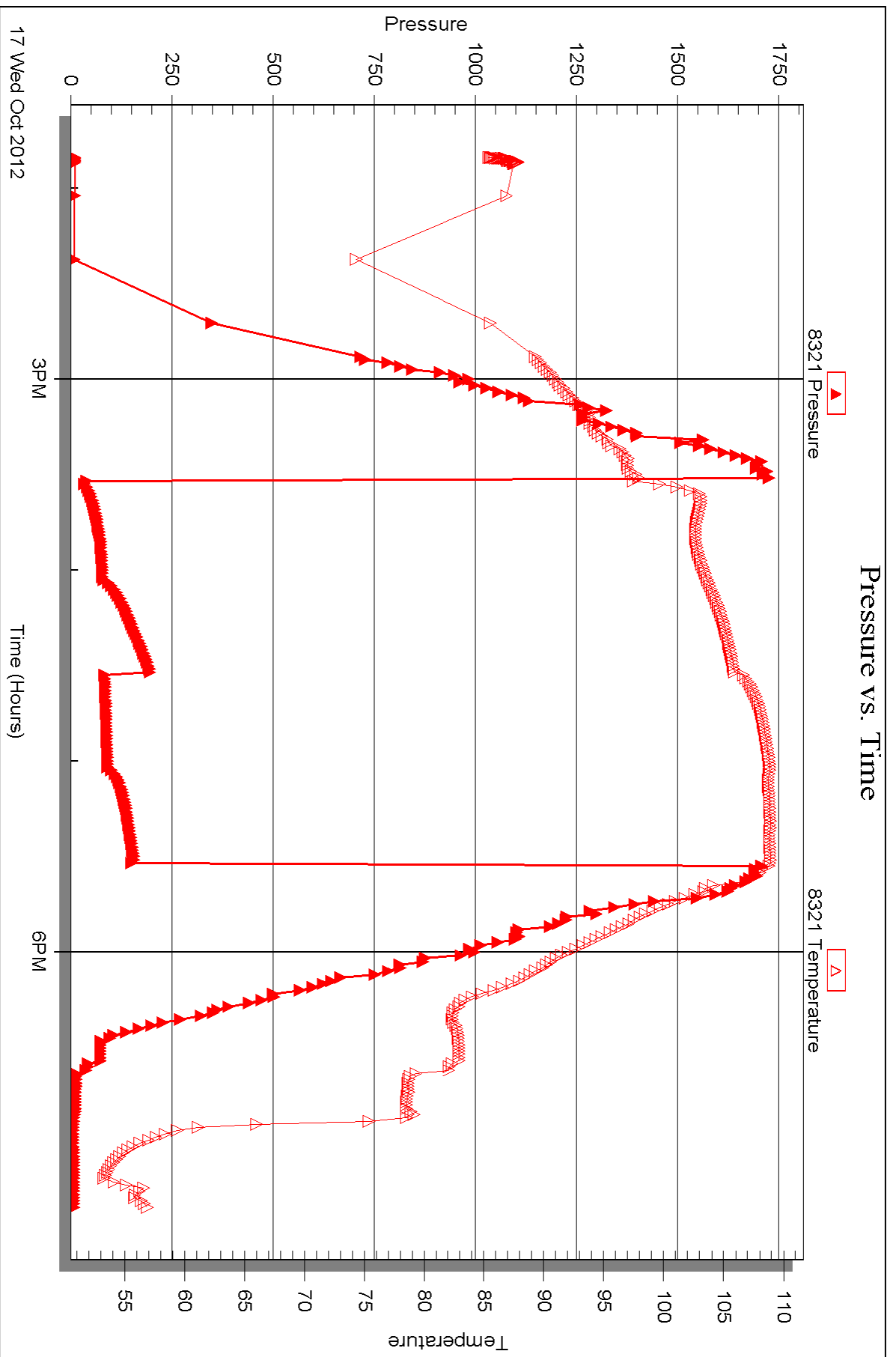
Serial #: 8321

Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 51042

Printed: 2012.10.19 @ 15:57:01



DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.18 @ 04:50:00

End Date: 2012.10.18 @ 11:25:00

Job Ticket #: 51043 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:55:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51043

DST#: 7

ATTN: Jim R Baird

Test Start: 2012.10.18 @ 04:50:00

GENERAL INFORMATION:

Formation: **LKC " I & J "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 06:38:00

Time Test Ended: 11:25:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3628.00 ft (KB) To 3656.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3656.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press @ Run Depth: 245.84 psig @ 3629.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.18

End Date:

2012.10.18

Last Calib.: 2012.10.18

Start Time: 04:50:01

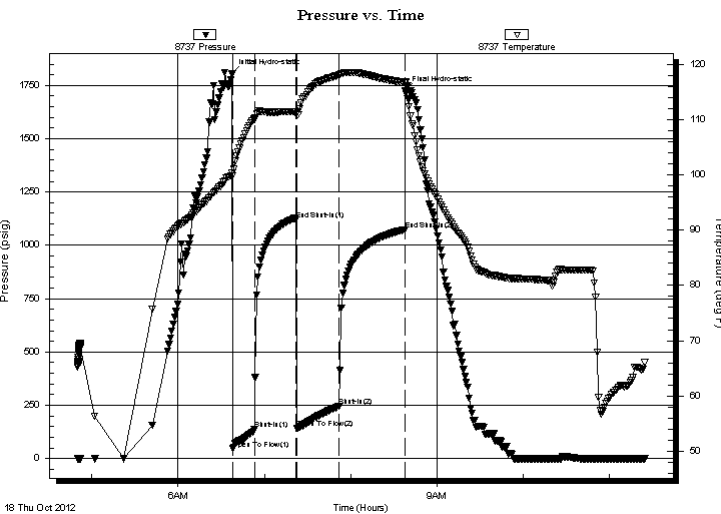
End Time:

11:24:30

Time On Btm: 2012.10.18 @ 06:37:30

Time Off Btm: 2012.10.18 @ 08:38:00

TEST COMMENT: 15-IFP- BOB in 2 min 30 sec
30-ISIP- BOB in 19 min 30 sec
30-FFP- BOB in 3 min 20 sec
45-FSIP- BOB in 12 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.40	100.33	Initial Hydro-static
1	45.28	99.82	Open To Flow (1)
16	137.65	110.04	Shut-In(1)
45	1118.91	111.33	End Shut-In(1)
45	143.23	111.02	Open To Flow (2)
75	245.84	117.99	Shut-In(2)
120	1074.08	116.66	End Shut-In(2)
121	1724.29	116.87	Final Hydro-static

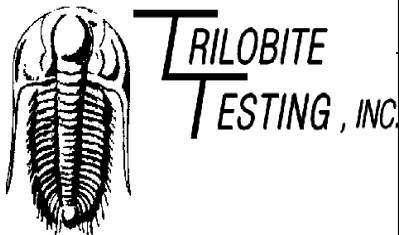
Recovery

Length (ft)	Description	Volume (bbl)
386.00	GMCO 15% m 20% g 65o	4.28
242.00	GO 40% g 60% o	3.39
20.00	GO 18% g 82% o	0.28
0.00	1050 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51043

DST#: 7

ATTN: Jim R Baird

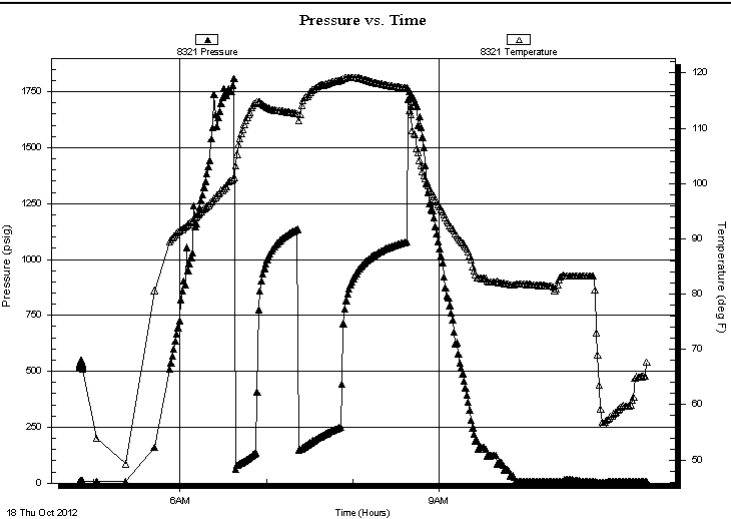
Test Start: 2012.10.18 @ 04:50:00

GENERAL INFORMATION:

Formation: **LKC "I & J"**
 Deviated: No Whipstock: 2256.00 ft (KB)
 Time Tool Opened: 06:38:00
 Time Test Ended: 11:25:00
 Interval: **3628.00 ft (KB) To 3656.00 ft (KB) (TVD)**
 Total Depth: 3656.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 44
 Reference Elevations: 2256.00 ft (KB)
 2251.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8321 Inside
 Press @ Run Depth: psig @ 3629.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.18 End Date: 2012.10.18 Last Calib.: 2012.10.18
 Start Time: 04:50:01 End Time: 11:24:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15-IFP- BOB in 2 min 30 sec
 30-ISIP- BOB in 19 min 30 sec
 30-FFP- BOB in 3 min 20 sec
 45-FSIP- BOB in 12 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
386.00	GMCO 15%g 20%g 65o	4.28
242.00	GO 40%g 60%o	3.39
20.00	GO 18%g 82%o	0.28
0.00	1050 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51043

DST#: 7

ATTN: Jim R Baird

Test Start: 2012.10.18 @ 04:50:00

Tool Information

Drill Pipe:	Length: 3464.00 ft	Diameter: 3.80 inches	Volume: 48.59 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 49.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3628.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	71.00 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	24.00			3609.00	
Shut In Tool	5.00			3614.00	
Hydraulic tool	5.00			3619.00	
Packer	4.00			3623.00	43.00 Bottom Of Top Packer
Packer	5.00			3628.00	
Stubb	1.00			3629.00	
Recorder	0.00	8321	Inside	3629.00	
Recorder	0.00	8737	Outside	3629.00	
Perforations	24.00			3653.00	
Bullnose	3.00			3656.00	28.00 Bottom Packers & Anchor
Total Tool Length:	71.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51043

DST#: 7

ATTN: Jim R Baird

Test Start: 2012.10.18 @ 04:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
386.00	GMCO 15% _m 20% _g 65% _o	4.285
242.00	GO 40% _g 60% _o	3.395
20.00	GO 18% _g 82% _o	0.281
0.00	1050 GIP	0.000

Total Length: 648.00 ft

Total Volume: 7.961 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

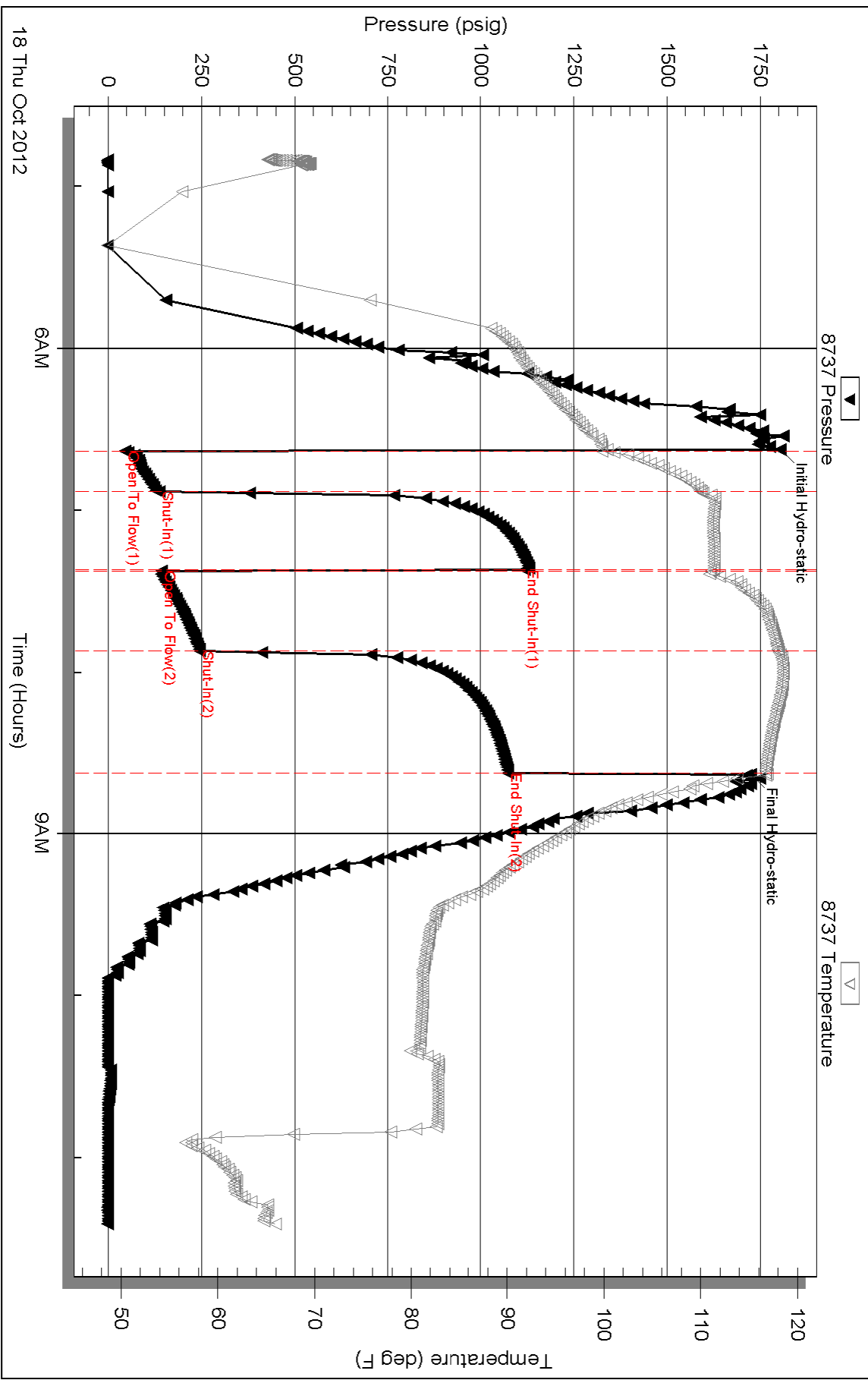
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



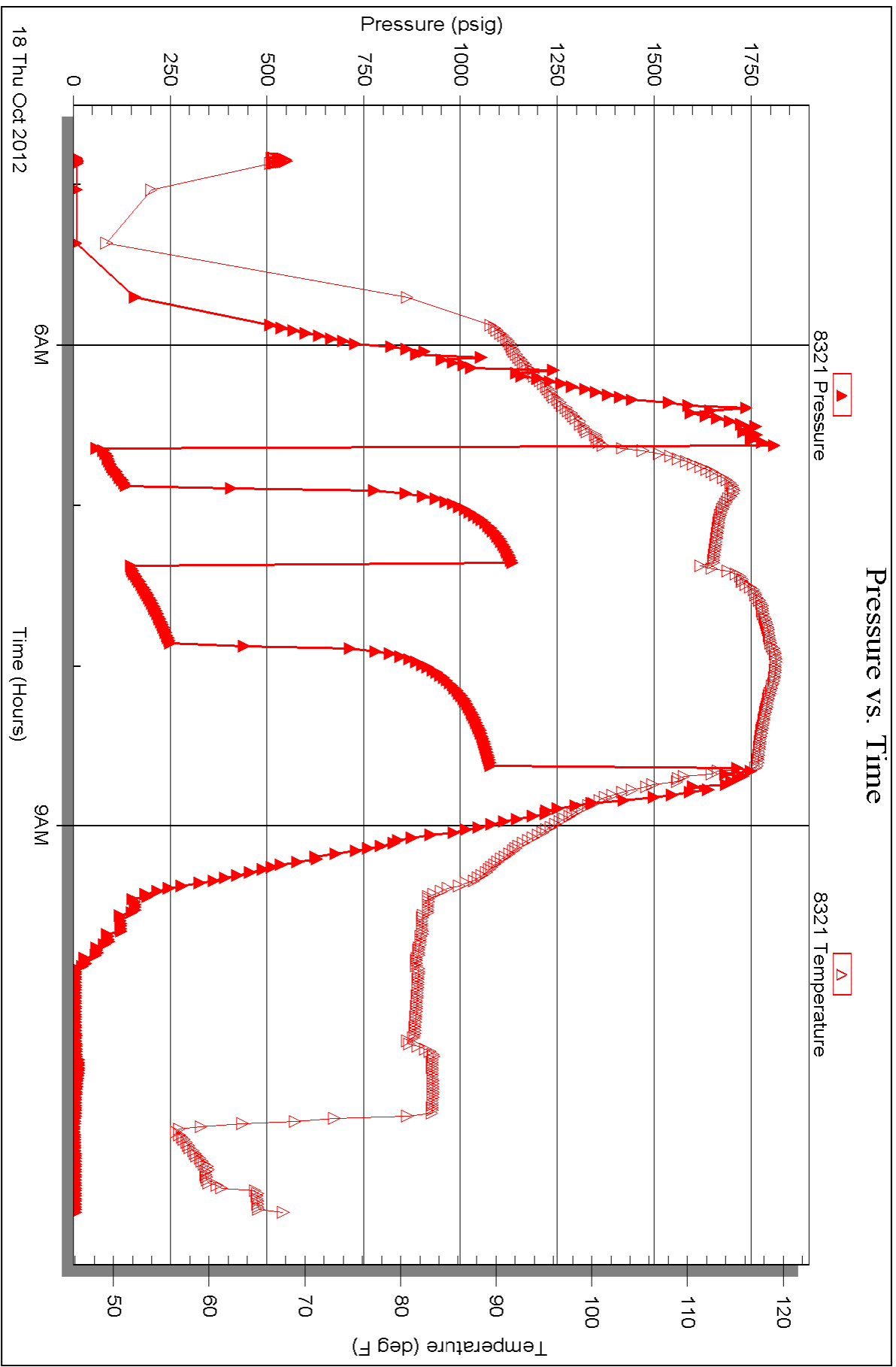
Serial #: 8321

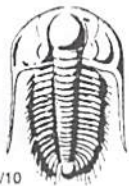
Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 7





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **51037**

4/10

Well Name & No. Quinn 3-2 Test No. 1 Date 10-14-12
 Company Baird oil company LLC Elevation 2256 KB 2251 GL
 Address PO Box 428 Logan KS 67646
 Co. Rep / Geo. Rich Bell Rig NW #8
 Location: Sec. 2 Twp. 7 S Rge. 22W Co. Graham State KS

Interval Tested 3395-3418 Zone Tested Oread
 Anchor Length 23 Drill Pipe Run 3266 Mud Wt. 8.9
 Top Packer Depth 3390 Drill Collars Run 124 Vis 67
 Bottom Packer Depth 3395 Wt. Pipe Run 0 WL 6.8
 Total Depth 3418 Chlorides 1400 ppm System LCM 2

Blow Description IF- Good Blow BOB IN 7 3/4 min
ISI- Weak surface Blow BACK Built to 1/8 IN
FF- Good Blow BOB IN 8 min
FSI- Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>628</u>	<u>MW</u>			<u>95</u>	<u>5</u>
<u>63</u>	<u>MW with oil spots</u>			<u>70</u>	<u>30</u>

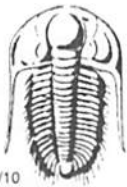
Rec Total 691 BHT 114 Gravity _____ API RW 213 @ 46.8 °F Chlorides 55,000 ppm

(A) Initial Hydrostatic 1660 Test 1150 T-On Location 21:33
 (B) First Initial Flow 26 Jars _____ T-Started 22:20
 (C) First Final Flow 203 Safety Joint _____ T-Open 00:12
 (D) Initial Shut-In 1059 Circ Sub _____ T-Pulled 2:42
 (E) Second Initial Flow 211 Hourly Standby _____ T-Out 4:54
 (F) Second Final Flow 339 Mileage 150 127 RT 196.85 Comments _____
 (G) Final Shut-In 1059 Sampler _____
 (H) Final Hydrostatic 1614 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1346.85
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45
 Sub Total 1346.85

Approved By _____ Our Representative Jeff Brown

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51038

4/10

Well Name & No. Quinn 3-2 Test No. 2 Date 10-15-12
 Company Baird oil company LLC Elevation 22540 KB 2251 GL
 Address Po Box 428 Logan KS 67646
 Co. Rep / Geo. Rich Bell Rig WW #8
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State KS

Interval Tested 3445 - 3483 Zone Tested Toronto
 Anchor Length 38 Drill Pipe Run 3330 Mud Wt. 8.9
 Top Packer Depth 3440 Drill Collars Run 124 Vis 61
 Bottom Packer Depth 3445 Wt. Pipe Run 0 WL 64
 Total Depth 3483 Chlorides 2000 ppm System LCM 2

Blow Description PP- Good Blow Bob IN 7 1/2 min
IS- Dead No Blow
~~PP-~~
~~PSI-~~

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>MO</u>		<u>70</u>		<u>30</u>
<u>128</u>	<u>GO</u>	<u>15</u>	<u>85</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 378 BHT 107 Gravity 23 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1706 Test 1150 T-On Location 12:36
 (B) First Initial Flow 52 Jars T-Started 12:57
 (C) First Final Flow 134 Safety Joint T-Open 14:51
 (D) Initial Shut-In 862 Circ Sub T-Pulled 15:51
 (E) Second Initial Flow _____ Hourly Standby T-Out 18:24
 (F) Second Final Flow _____ Mileage 196.85 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 11658 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow _____ Extra Recorder _____ Sub Total 0
 Final Shut-In _____ Day Standby _____ Total 1346.85
 _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 1346.85

Approved By _____ Our Representative Jeff Brown

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51039

Well Name & No. Quinn #3-2 Test No. 3 Date 10-16-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan KS. 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State KS

Interval Tested 3485-3504 Zone Tested LKC "A"
 Anchor Length 19 Drill Pipe Run 3362 Mud Wt. 8.9
 Top Packer Depth 3480 Drill Collars Run 124 Vis 61
 Bottom Packer Depth 3485 Wt. Pipe Run 0 WL 6.4
 Total Depth 3504 Chlorides 2000 ppm System LCM 2

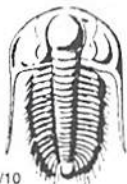
Blow Description IFP - Surface Blow Building to BOB in 31min
ISIP - Weak Surface Blow in 5min. Bied in 11min.
FFP - Surface Blow Building to 6in.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>mco</u>	<u>65</u>		<u>35</u>	
<u>30</u>	<u>OCM</u>	<u>40</u>		<u>60</u>	
<u>90</u>	<u>IFP</u>				

Rec Total 92 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1723</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>00:55</u>
(B) First Initial Flow <u>12</u>	<input type="checkbox"/> Jars _____	T-Started <u>01:07</u>
(C) First Final Flow <u>43</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>03:00</u>
(D) Initial Shut-In <u>60</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>06:00</u>
(E) Second Initial Flow <u>40</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>08:08</u>
(F) Second Final Flow <u>51</u>	<input checked="" type="checkbox"/> Mileage <u>196.85</u>	Comments _____
(G) Final Shut-In <u>60</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1650</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1346.85</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1346.85</u>	

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51040

4/10

Well Name & No. Quinn # 3-2 Test No. 4 Date 10-16-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan Ks. 67646
 Co. Rep / Geo. Rich Bell Rig CW-8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State K.S.

Interval Tested 3512 - 3532 Zone Tested LKC "C"
 Anchor Length 20 Drill Pipe Run 3391 Mud Wt. 9.3
 Top Packer Depth 3507 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3512 Wt. Pipe Run 0 WL 7.6
 Total Depth 3532 Chlorides 2200 ppm System LCM 1.5

Blow Description FFP - BOB 2min 20sec.
ISIP - Surface Blow Building To Lin.
FFP - BOB 3min 20sec.
FSIP - Surface Blow Building To Sin.

Rec	Feet of	%gas	%oil	%water	%mud
310	MCW		95	5	
498	150 + mcw	2	93	5	
315	Dassy MCW	10	63	20	
70	Dassy mco	25	70	5	
297	WIP				

Rec Total 1193 BHT 116 Gravity 28 API RW .192 @ 67 °F Chlorides 40000 ppm

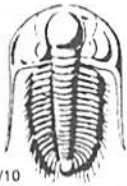
(A) Initial Hydrostatic 1772 Test 1150 T-On Location 13:20
 (B) First Initial Flow 86 Jars T-Started 13:45
 (C) First Final Flow 349 Safety Joint T-Open 15:30
 (D) Initial Shut-In 760 Circ Sub T-Pulled 17:45
 (E) Second Initial Flow 356 Hourly Standby T-Out 21:11
 (F) Second Final Flow 513 Mileage
 (G) Final Shut-In 763 Sampler
 (H) Final Hydrostatic 1633 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45
 Sub Total 1150
 Total 1150
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

51041

NO.

4/10

Well Name & No. Quinn # 3-2 Test No. 5 Date 10-17-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan KS, 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 2 Twp. 7 S Rge. 22 W Co. Graham State KS

Interval Tested 3532-3548 Zone Tested LKC "D"
 Anchor Length 16 Drill Pipe Run 3391 Mud Wt. 9.3
 Top Packer Depth 3527 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3532 Wt. Pipe Run 0 WL 7.6
 Total Depth 3548 Chlorides 2200 ppm System LCM 1.5

Blow Description IFP - BOB in 5min
FSIP - No Blow Back.
FFP - BOB 4min 40 sec.
FSIP - No Blow Back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>695</u>	<u>Water</u>		<u>100</u>		
<u>126</u>	<u>mcw</u>		<u>85</u>	<u>15</u>	
<u>74</u>	<u>mcw</u>		<u>60</u>	<u>40</u>	

Rec Total 895 BHT 117 Gravity _____ API RW 124 @ 56 ° F Chlorides 76000 ppm

(A) Initial Hydrostatic 1739 Test 1150 T-On Location 0:145
 (B) First Initial Flow 31 Jars _____ T-Started 0:202
 (C) First Final Flow 322 Safety Joint _____ T-Open 04:05
 (D) Initial Shut-In 912 Circ Sub _____ T-Pulled ~~05:50~~
 (E) Second Initial Flow 347 Hourly Standby _____ T-Out 07:47
 (F) Second Final Flow 465 Mileage 196.85 Comments _____
 (G) Final Shut-In 912 Sampler _____
 (H) Final Hydrostatic 1641 Straddle _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow ~~15~~ 15 Extra Packer _____
 Final Shut-In 30 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1346.85
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1346.85

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51042

4/10

Well Name & No. Quinn #3-2 Test No. 6 Date 10-17-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan Ks. 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 2 Twp. 7 S Rge. 22 W Co. Graham State Ks

Interval Tested 3548-3575 Zone Tested LKC "E&F"
 Anchor Length 27 Drill Pipe Run 3423 Mud Wt. 9.1
 Top Packer Depth 3543 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3548 Wt. Pipe Run 0 WL 7.6
 Total Depth 3575 Chlorides 2800 ppm System LCM 1.5

Blow Description IFP - Surface Blow Building to 8 1/4 in.
ISIP - No Blow Back.
FFP - Surface Blow Building to 3 in.
FSIP - Weak Surface Blow in 3 min. Died in 7 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>0 WCM</u>	<u>2</u>	<u>5</u>	<u>93</u>	
<u>25</u>	<u>0 cm</u>	<u>35</u>		<u>65</u>	
<u>10</u>	<u>CO</u>				
<u>30</u>	<u>WIP</u>				

Rec Total 159 BHT 108 Gravity 33 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1726 Test 1150 T-On Location 13:25
 (B) First Initial Flow 21 Jars T-Started 13:50
 (C) First Final Flow 70 Safety Joint T-Open 15:33
 (D) Initial Shut-In 192 Circ Sub T-Pulled 17:33
 (E) Second Initial Flow 75 Hourly Standby T-Out 19:21
 (F) Second Final Flow 85 Mileage 196.85 Comments _____
 (G) Final Shut-In 151 Sampler _____
 (H) Final Hydrostatic 1676 Straddle _____

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1346.85 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51043

4/10

Well Name & No. QUINN #3-2 Test No. 7 Date 10-18-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan Ks, 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 2 Twp. 7^s Rge. 22^w Co. Graham State Ks.

Interval Tested 3628-3656 Zone Tested LRC "I+J"
 Anchor Length 28 Drill Pipe Run 3464 Mud Wt. 9.1
 Top Packer Depth 3623 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3628 Wt. Pipe Run Ø WL 7.6
 Total Depth 3656 Chlorides 2800 ppm System LCM 1.5

Blow Description FFP- BOB in 2min 30sec.
ISIP- BOB in 19min 30sec.
FFP- BOB in 3min 20sec.
FSIP- BOB in 12min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>386</u>	<u>Massy mco</u>	<u>20</u>	<u>65</u>	<u>15</u>	
<u>242</u>	<u>Massy Oil</u>	<u>40</u>	<u>60</u>		
<u>20</u>	<u>Massy Oil</u>	<u>18</u>	<u>82</u>		
<u>1050</u>	<u>WIP</u>				

Rec Total 648 BHT 116 Gravity 36 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1803 Test 1150 T-On Location 04:30
 (B) First Initial Flow 45 Jars _____ T-Started 04:50
 (C) First Final Flow 137 Safety Joint _____ T-Open 06:38
 (D) Initial Shut-In 1118 Circ Sub _____ T-Pulled 08:38
 (E) Second Initial Flow 143 Hourly Standby _____ T-Out 11:25
 (F) Second Final Flow 245 Mileage 196.85 Comments _____
 (G) Final Shut-In 1074 Sampler _____
 (H) Final Hydrostatic 1724 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45

Sub Total 1346.85

MP/DST/Disc't _____

Approved By _____ Our Representative [Signature]

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