



## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

### **Quinn #2-2**

#### **2-7s-22w Graham Ks.**

Start Date: 2012.03.18 @ 21:25:00

End Date: 2012.03.19 @ 00:21:30

Job Ticket #: 45585                      DST #: 1

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

Printed: 2012.04.05 @ 09:28:39

Baird Oil Company  
2-7s-22w Graham Ks.  
Quinn #2-2  
DST # 1  
LKC-A  
2012.03.18



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

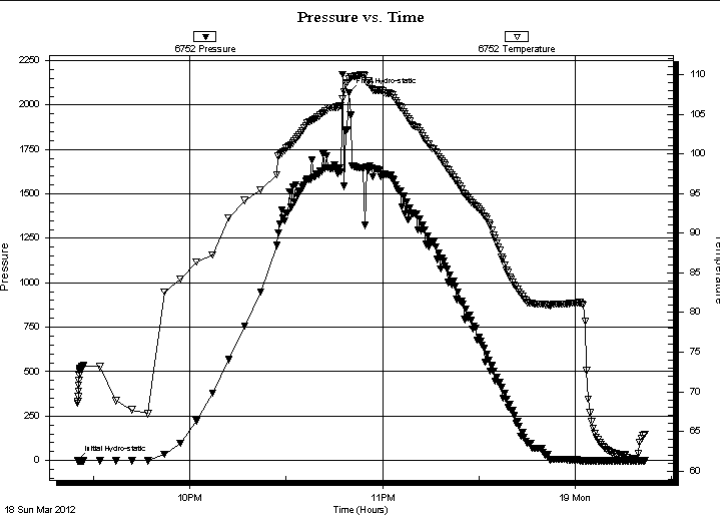
**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45585      **DST#: 1**  
Test Start: 2012.03.18 @ 21:25:00

## GENERAL INFORMATION:

Formation: **LKC-A**  
Deviated: No Whipstock:                      ft (KB)      Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 22:48:00      Tester: Chuck Kreuzer Jr.  
Time Test Ended: 00:21:30      Unit No: 61  
**Interval: 3509.00 ft (KB) To 3532.00 ft (KB) (TVD)**      Reference Elevations: 2286.00 ft (KB)  
Total Depth: 3532.00 ft (KB) (TVD)      2281.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 6752      Inside**  
Press @ Run Depth:                      psig @ 3510.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.03.18      End Date: 2012.03.19      Last Calib.: 2012.03.19  
Start Time: 21:25:05      End Time: 00:21:30      Time On Btm: 2012.03.18 @ 21:25:05  
Time Off Btm: 2012.03.18 @ 22:49:30

TEST COMMENT: Couldnt get tool to bottom.300ft. from bottom



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-1.58	68.59	Initial Hydro-static
85	2068.47	109.46	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45585

**DST#: 1**

ATTN: Rich Bell

Test Start: 2012.03.18 @ 21:25:00

## Tool Information

Drill Pipe:	Length: 3393.00 ft	Diameter: 3.80 inches	Volume: 47.59 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: 35000.00 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: 48.20 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	36.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3509.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 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
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Shut In Tool	5.00			3486.00	
Hydraulic tool	5.00			3491.00	
Jars	5.00			3496.00	
Safety Joint	3.00			3499.00	
Packer	5.00			3504.00	28.00 Bottom Of Top Packer
Packer	5.00			3509.00	
Stubb	1.00			3510.00	
Recorder	0.00	6752	Inside	3510.00	
Recorder	0.00	6741	Outside	3510.00	
Perforations	19.00			3529.00	
Bullnose	3.00			3532.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45585

**DST#: 1**

ATTN: Rich Bell

Test Start: 2012.03.18 @ 21:25:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 94.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length:                      ft      Total Volume:                      bbl

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

Laboratory Name:                      Laboratory Location:

Recovery Comments:

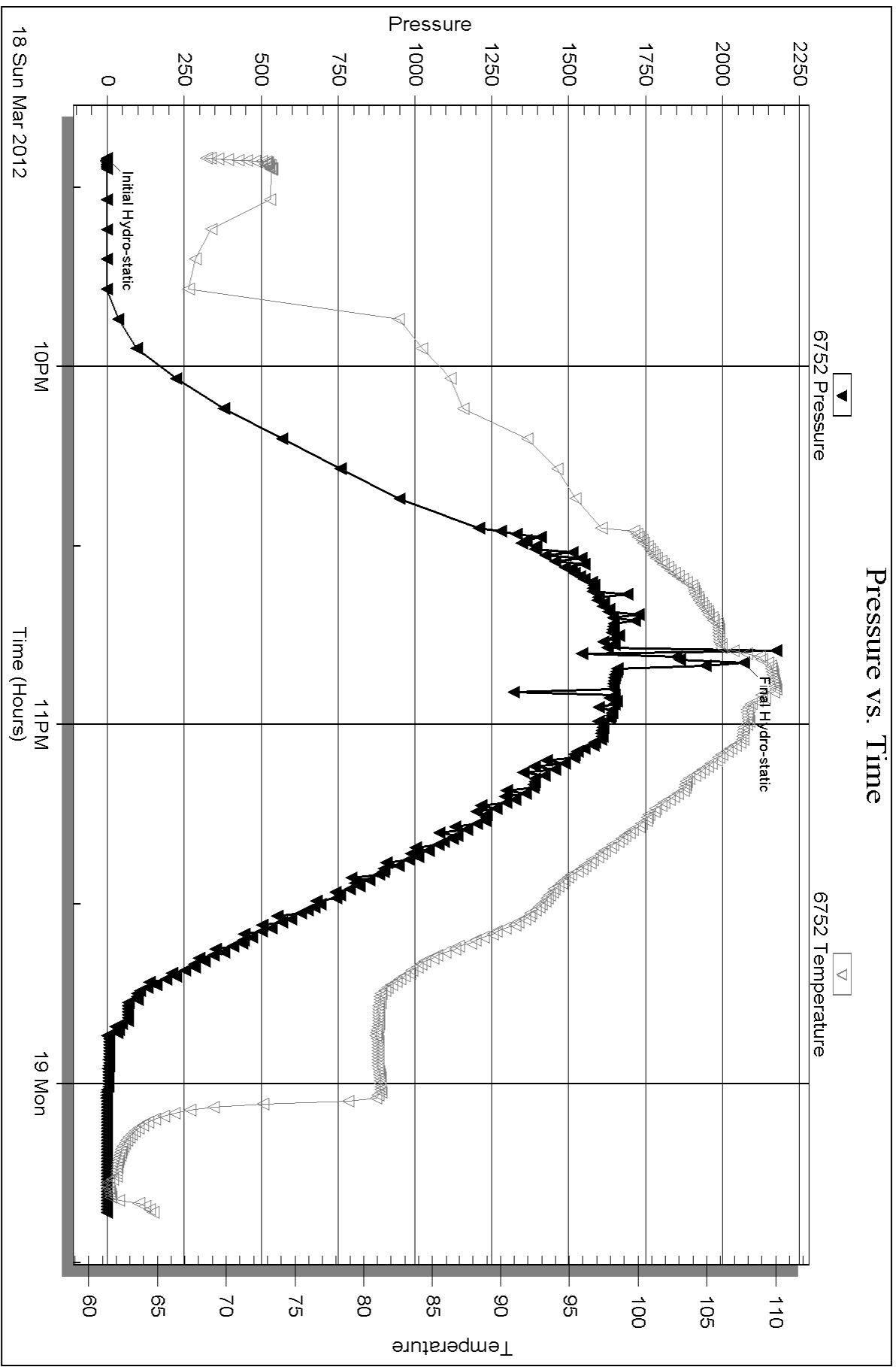
Serial #: 6752

Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 1

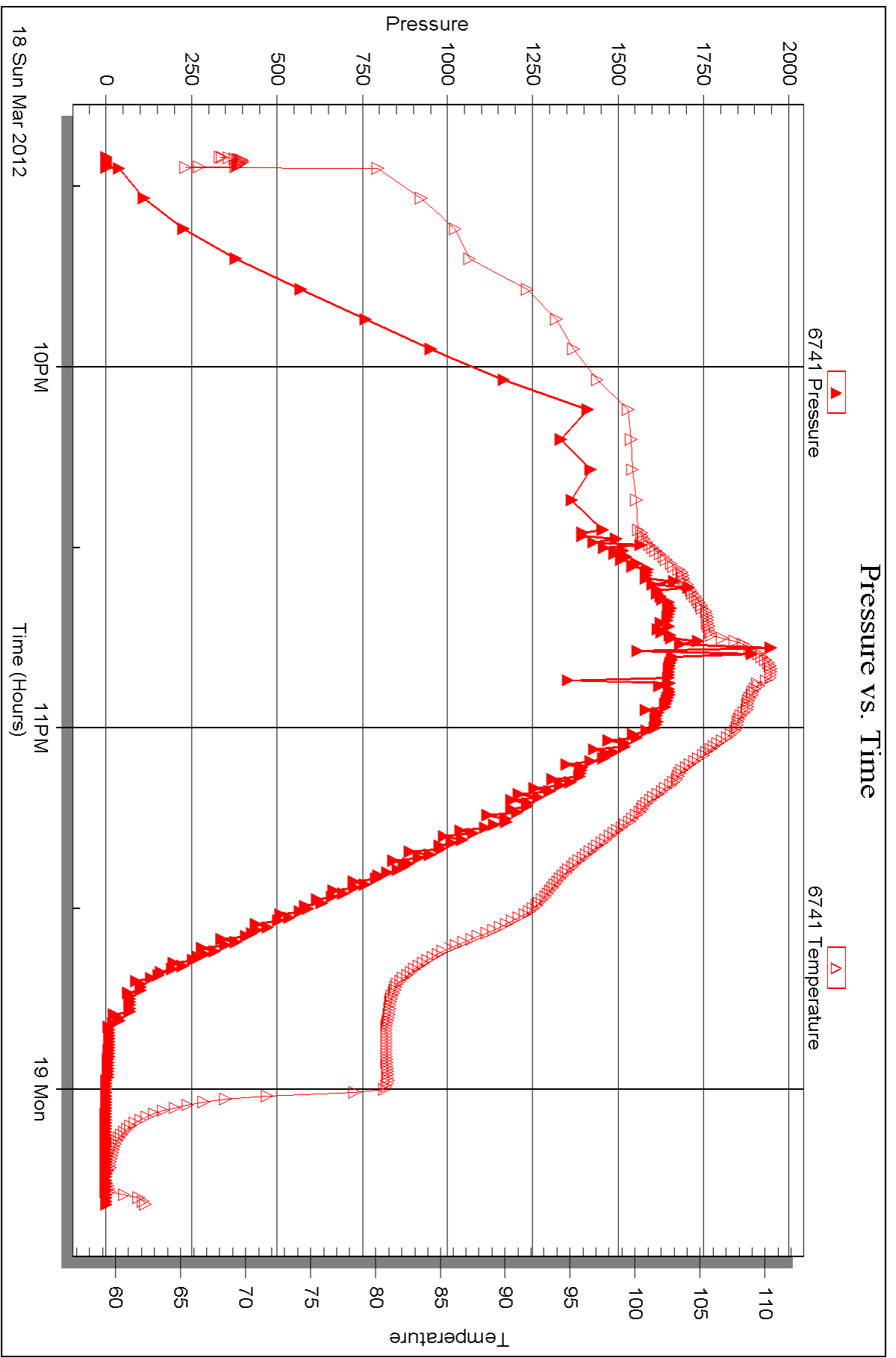


Serial #: 6741

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45585

Printed: 2012.04.05 @ 09:28:44



## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

**Quinn #2-2**

**2-7s-22w Graham Ks.**

Start Date: 2012.03.19 @ 09:00:00

End Date: 2012.03.19 @ 15:14:30

Job Ticket #: 45586                      DST #: 2

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

Printed: 2012.04.05 @ 09:27:37









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45586

**DST#: 2**

ATTN: Rich Bell

Test Start: 2012.03.19 @ 09:00:00

## Tool Information

Drill Pipe:	Length: 3395.00 ft	Diameter: 3.80 inches	Volume: 47.62 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 48.23 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3509.00 ft			Final	48000.00 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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Shut In Tool	5.00			3494.00	
Hydraulic tool	5.00			3499.00	
Packer	5.00			3504.00	20.00 Bottom Of Top Packer
Packer	5.00			3509.00	
Stubb	1.00			3510.00	
Recorder	0.00	6752	Inside	3510.00	
Recorder	0.00	6741	Outside	3510.00	
Perforations	19.00			3529.00	
Bullnose	3.00			3532.00	23.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>43.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45586

**DST#: 2**

ATTN: Rich Bell

Test Start: 2012.03.19 @ 09:00:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	gmco-5%g35%m60%o	0.305
20.00	go-30%g70%o	0.098

Total Length: 82.00 ft      Total Volume: 0.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 32@70\*=31

Serial #: 6752

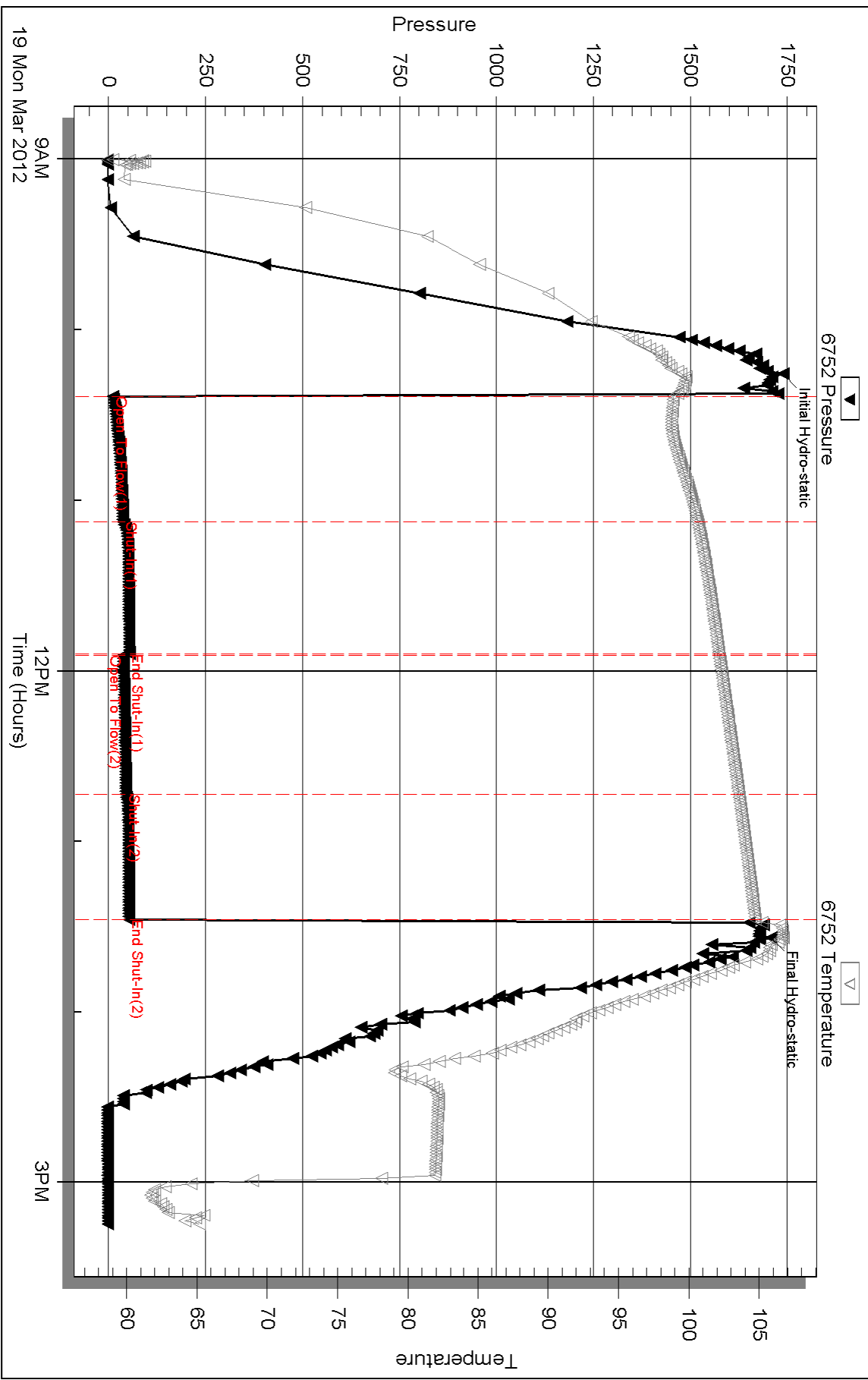
Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45586

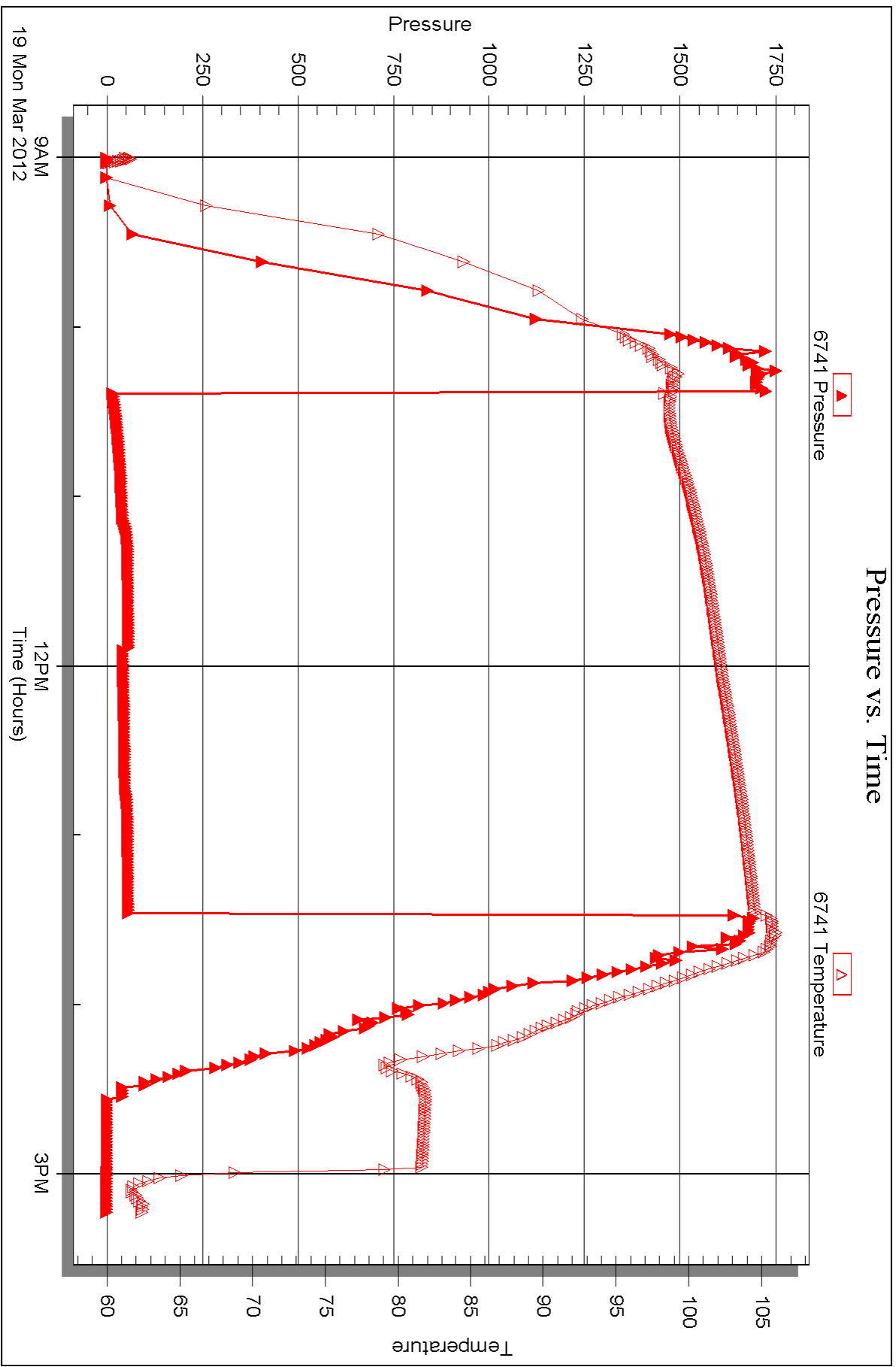
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Serial #: 6741

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

**Quinn #2-2**

**2-7s-22w Graham Ks.**

Start Date: 2012.03.19 @ 20:45:00

End Date: 2012.03.20 @ 03:23:00

Job Ticket #: 45587                      DST #: 3

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

Printed: 2012.04.05 @ 09:26:36



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
 PO Box 428  
 Logan KS 67646  
 ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
 Job Ticket: 45587      **DST#: 3**  
 Test Start: 2012.03.19 @ 20:45:00

## GENERAL INFORMATION:

Formation: **LKC-C**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:18:30  
 Time Test Ended: 03:23:00  
 Interval: **3536.00 ft (KB) To 3557.00 ft (KB) (TVD)**  
 Total Depth: 3532.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Reference Elevations: 2286.00 ft (KB)  
 2281.00 ft (CF)  
 KB to GR/CF: 5.00 ft

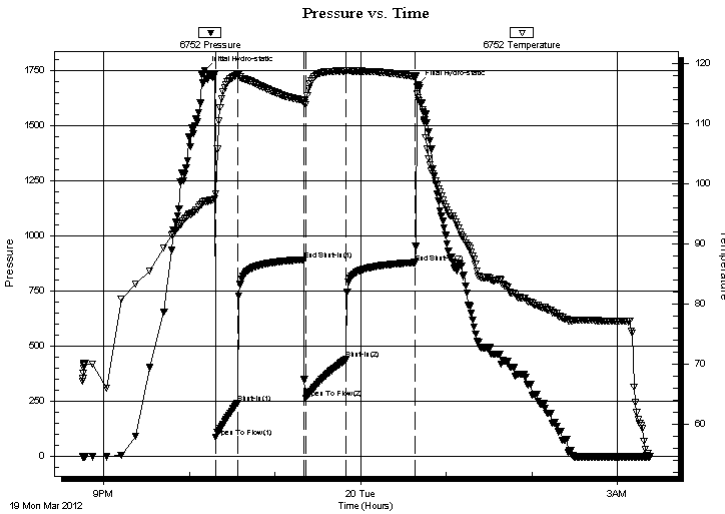
## Serial #: 6752

Inside

Press @ Run Depth: 438.75 psig @ 3537.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.03.19      End Date: 2012.03.20      Last Calib.: 2012.03.20  
 Start Time: 20:45:05      End Time: 03:22:59      Time On Btm: 2012.03.19 @ 22:10:30  
 Time Off Btm: 2012.03.20 @ 00:40:00

**TEST COMMENT:** IF: Strong blow, Built to B.O.B in 2 mins.  
 IS: strong blow back, Built to B.O.B in 12 mins.  
 FF: Strong blow, Built to B.O.B in 1 mins.  
 FS: Blow back, built to B.O.B in 8 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1748.94	97.23	Initial Hydro-static
8	86.70	98.41	Open To Flow (1)
23	241.43	118.14	Shut-In(1)
70	891.50	113.82	End Shut-In(1)
71	263.92	113.17	Open To Flow (2)
99	438.75	118.77	Shut-In(2)
148	878.59	117.86	End Shut-In(2)
150	1682.52	114.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
279.00	gmcw -5%g10%m85%w	2.78
279.00	gmcw -10%g3%o27%m60%w	3.91
620.00	go-10%g90%o	8.70
20.00	GO-10%g90%o	0.28
0.00	100 ft. gas in pipe	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

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45587

**DST#: 3**

ATTN: Rich Bell

Test Start: 2012.03.19 @ 20:45:00

## Tool Information

Drill Pipe:	Length: 3424.00 ft	Diameter: 3.80 inches	Volume: 48.03 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.64 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3536.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 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
Shut In Tool	5.00			3521.00	
Hydraulic tool	5.00			3526.00	
Packer	5.00			3531.00	20.00 Bottom Of Top Packer
Packer	5.00			3536.00	
Stubb	1.00			3537.00	
Recorder	0.00	6752	Inside	3537.00	
Recorder	0.00	6741	Outside	3537.00	
Perforations	17.00			3554.00	
Bullnose	3.00			3557.00	21.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>41.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45587

**DST#: 3**

ATTN: Rich Bell

Test Start: 2012.03.19 @ 20:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
279.00	gmcw -5%g10%m85%w	2.784
279.00	gmcw -10%g3%o27%m60%w	3.914
620.00	go-10%g90%o	8.697
20.00	GO-10%g90%o	0.281
0.00	100 ft. gas in pipe	0.000

Total Length: 1198.00 ft      Total Volume: 15.676 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 32@71\*=31.9

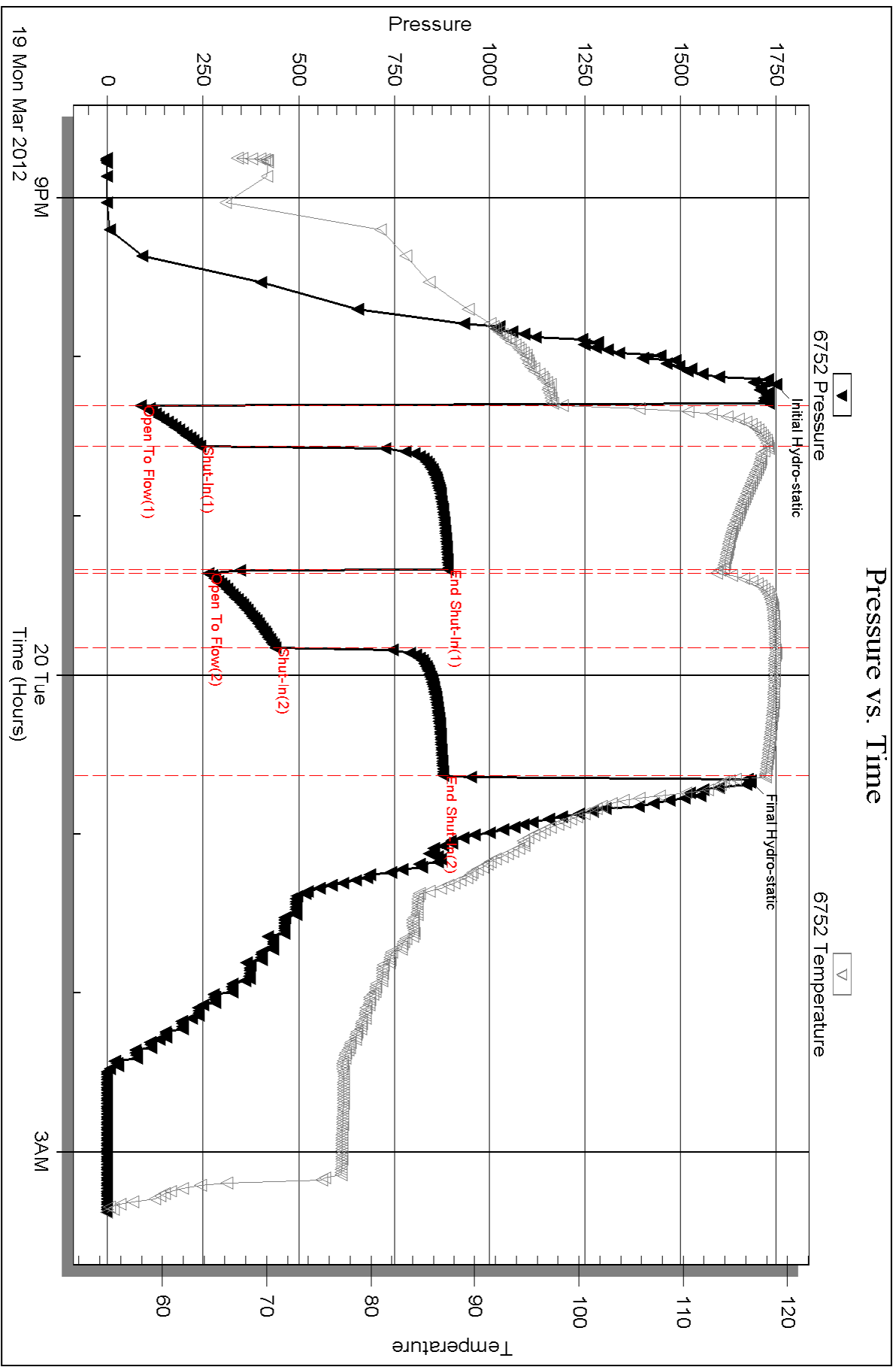
Serial #: 6752

Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 3

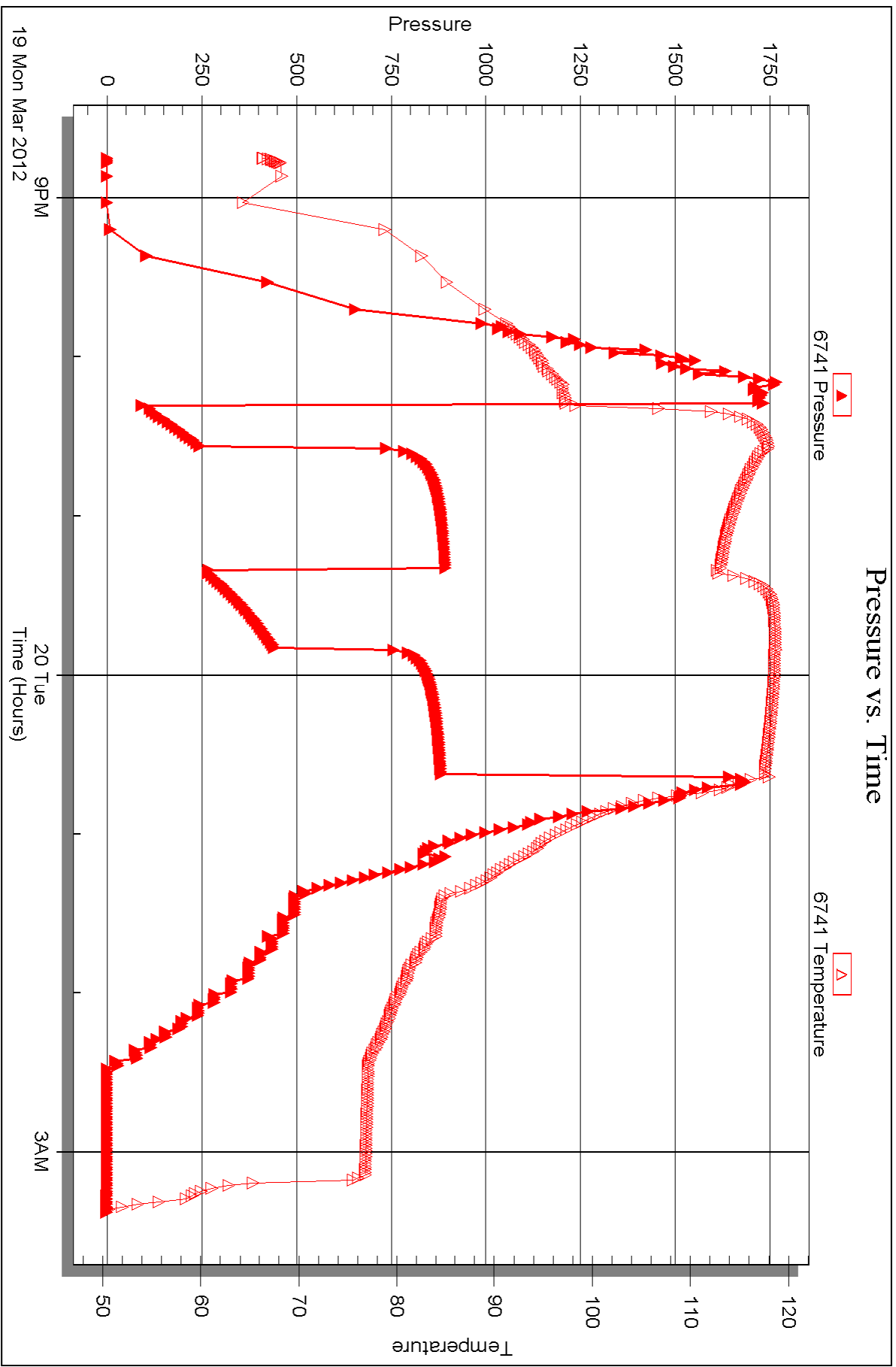


Serial #: 6741

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

**Quinn #2-2**

**2-7s-22w Graham Ks.**

Start Date: 2012.03.20 @ 09:15:00

End Date: 2012.03.20 @ 14:54:00

Job Ticket #: 45588                      DST #: 4

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

Printed: 2012.04.05 @ 09:25:34



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45588      **DST#: 4**  
Test Start: 2012.03.20 @ 09:15:00

## GENERAL INFORMATION:

Formation: **LKC-D**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:36:30  
Time Test Ended: 14:54:00  
Interval: **3556.00 ft (KB) To 3571.00 ft (KB) (TVD)**  
Total Depth: 3571.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Chuck Kreuzer Jr.  
Unit No: 61  
Reference Elevations: 2286.00 ft (KB)  
2281.00 ft (CF)  
KB to GR/CF: 5.00 ft

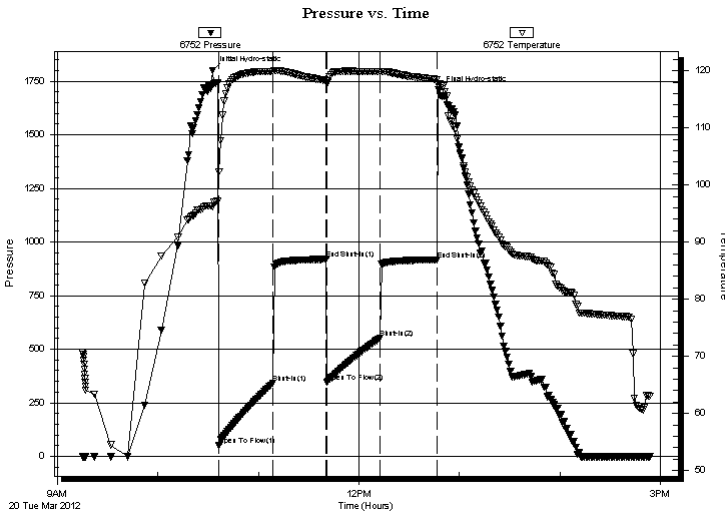
## Serial #: 6752

Inside

Press @ Run Depth: 551.89 psig @ 3557.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.03.20 End Date: 2012.03.20 Last Calib.: 2012.03.20  
Start Time: 09:15:05 End Time: 14:53:59 Time On Btm: 2012.03.20 @ 10:32:30  
Time Off Btm: 2012.03.20 @ 12:47:30

TEST COMMENT: IF: Strong blow , Built to B.O.B in 4 mins.  
IS: No blow  
FF: Strong blow , Built to B.O.B in 6 mins.  
FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.70	96.23	Initial Hydro-static
4	52.95	102.31	Open To Flow (1)
36	340.53	119.89	Shut-In(1)
68	919.97	118.26	End Shut-In(1)
69	347.81	117.83	Open To Flow (2)
100	551.89	119.81	Shut-In(2)
134	917.39	118.45	End Shut-In(2)
135	1708.63	117.51	Final Hydro-static

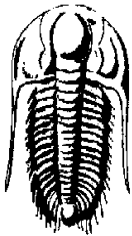
## Recovery

Length (ft)	Description	Volume (bbl)
1426.00	WATER	18.87
30.00	OIL	0.42

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45588      **DST#: 4**  
Test Start: 2012.03.20 @ 09:15:00

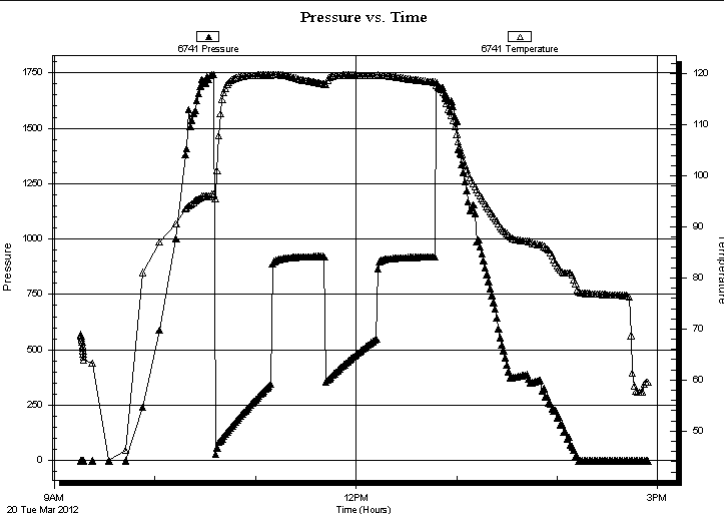
## GENERAL INFORMATION:

Formation: **LKC-D**  
Deviated: No Whipstock:      ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 10:36:30      Tester: Chuck Kreutzer Jr.  
Time Test Ended: 14:54:00      Unit No: 61

**Interval: 3556.00 ft (KB) To 3571.00 ft (KB) (TVD)**      Reference Elevations: 2286.00 ft (KB)  
Total Depth: 3571.00 ft (KB) (TVD)      2281.00 ft (CF)  
Hole Diameter: 7.88 inchesHole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 6741      Outside**  
Press @ RunDepth:      psig @      3557.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.03.20      End Date: 2012.03.20      Last Calib.: 2012.03.20  
Start Time: 09:15:35      End Time: 14:54:29      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: Strong blow , Built to B.O.B in 4 mins.  
IS: No blow  
FF: Strong blow , Built to B.O.B in 6 mins.  
FS: No blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
1426.00	WATER	18.87
30.00	OIL	0.42

\* 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

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45588

**DST#: 4**

ATTN: Rich Bell

Test Start: 2012.03.20 @ 09:15:00

## Tool Information

Drill Pipe:	Length: 3426.00 ft	Diameter: 3.80 inches	Volume: 48.06 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.67 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3556.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 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			3541.00	
Hydraulic tool	5.00			3546.00	
Packer	5.00			3551.00	20.00 Bottom Of Top Packer
Packer	5.00			3556.00	
Stubb	1.00			3557.00	
Recorder	0.00	6752	Inside	3557.00	
Recorder	0.00	6741	Outside	3557.00	
Perforations	11.00			3568.00	
Bullnose	3.00			3571.00	15.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>35.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45588      **DST#: 4**  
Test Start: 2012.03.20 @ 09:15:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: 2.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1426.00	WATER	18.873
30.00	OIL	0.421

Total Length: 1456.00 ft      Total Volume: 19.294 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

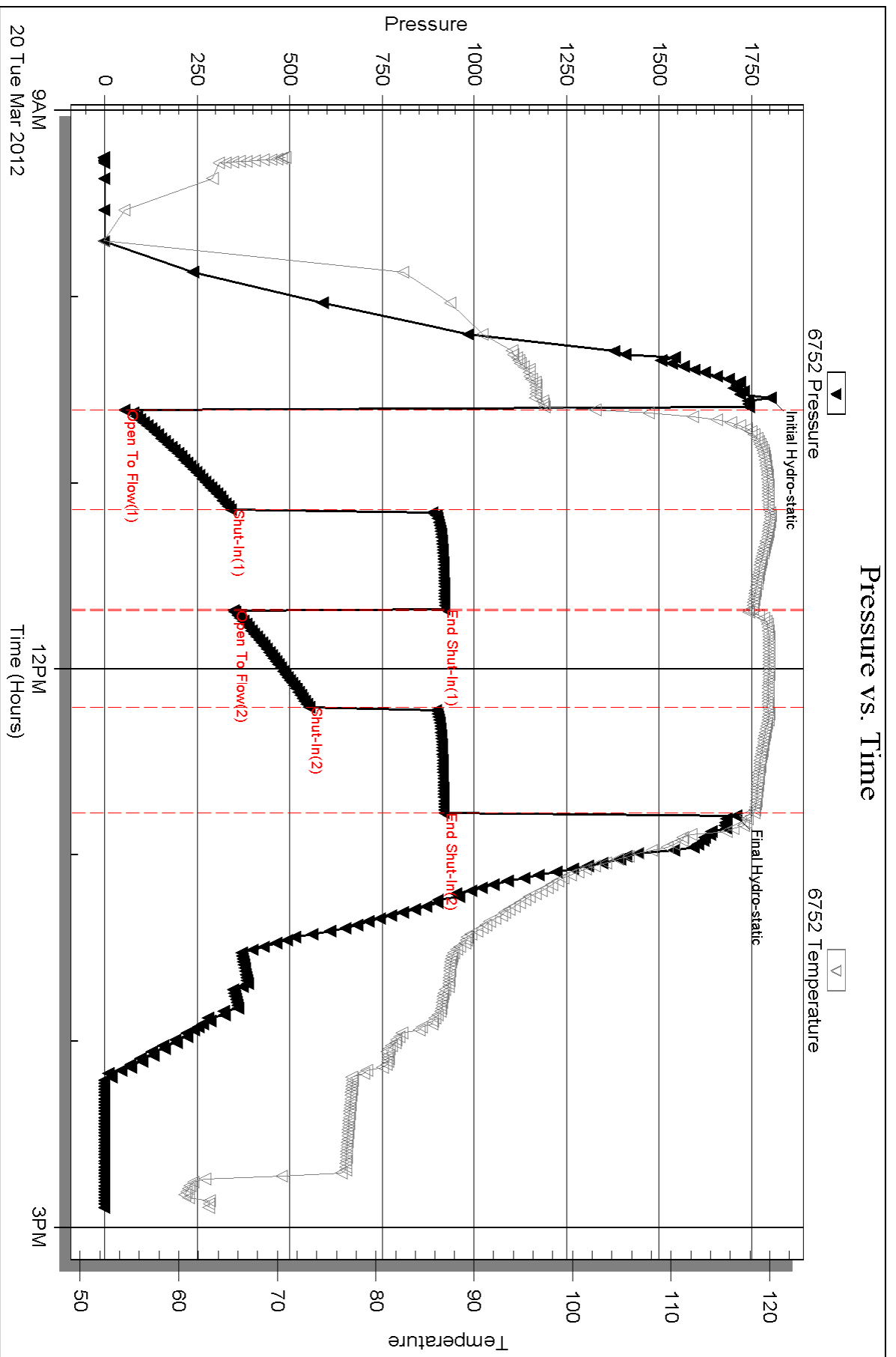
Serial #: 6752

Inside

Baird Oil Company

Quinn #2-2

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 45588

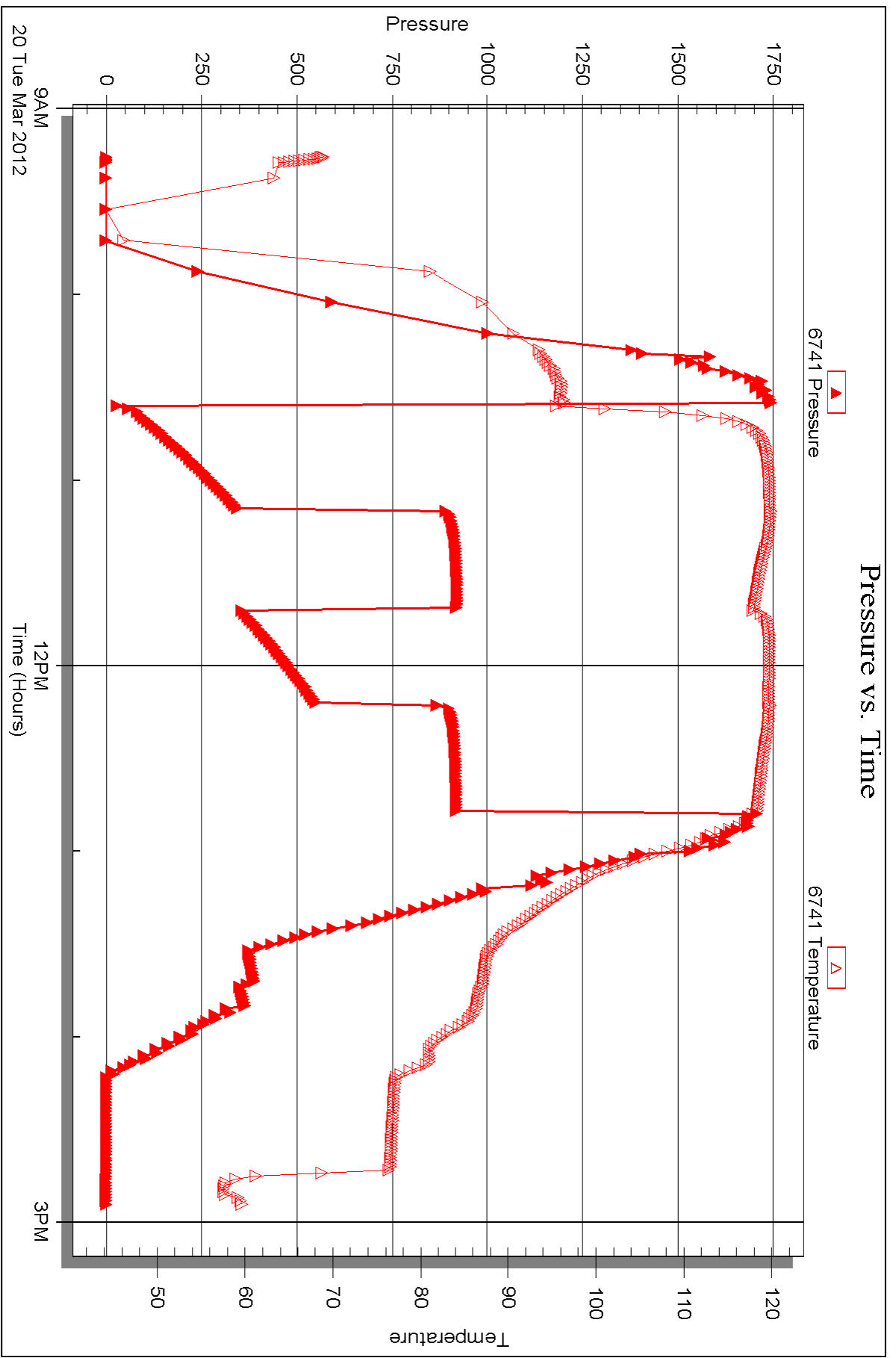
Printed: 2012.04.05 @ 09:25:37

Serial #: 6741

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 45588

Printed: 2012.04.05 @ 09:25:38



## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

### **Quinn #2-2**

#### **2-7s-22w Graham Ks.**

Start Date: 2012.03.20 @ 21:02:00

End Date: 2012.03.21 @ 03:30:00

Job Ticket #: 45589                      DST #: 5

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

Printed: 2012.04.05 @ 09:24:21



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
 PO Box 428  
 Logan KS 67646  
 ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
 Job Ticket: 45589      **DST#: 5**  
 Test Start: 2012.03.20 @ 21:02:00

## GENERAL INFORMATION:

Formation: **LKC-E-F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:55:30  
 Time Test Ended: 03:30:00  
 Interval: **3575.00 ft (KB) To 3600.00 ft (KB) (TVD)**  
 Total Depth: 3600.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Reference Elevations: 2286.00 ft (KB)  
 2281.00 ft (CF)  
 KB to GR/CF: 5.00 ft

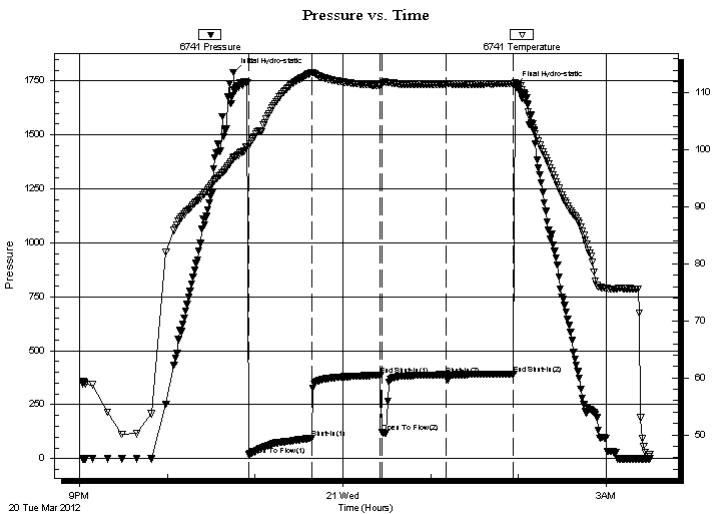
## Serial #: 6741

Inside

Press @ Run Depth: 389.12 psig @ 3576.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.03.20      End Date: 2012.03.21      Last Calib.: 2012.03.21  
 Start Time: 21:02:05      End Time: 03:29:59      Time On Btm: 2012.03.20 @ 22:45:00  
 Time Off Btm: 2012.03.21 @ 01:57:30

TEST COMMENT: IF: Weak blow , Built to 7 in. over 45 mins.  
 IS: No blow  
 FF: Weak blow , Built to 2 1/2 in. over 45 mins.  
 FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1789.66	98.54	Initial Hydro-static
11	17.62	100.60	Open To Flow (1)
54	94.63	113.54	Shut-In(1)
101	386.57	111.29	End Shut-In(1)
102	121.39	111.39	Open To Flow (2)
146	389.12	111.50	Shut-In(2)
192	392.42	111.64	End Shut-In(2)
193	1728.87	111.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw -5% m95%w	0.61
62.00	mcw -20% m80%w	0.87
1.00	oil-100%	0.01

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

Baird Oil Company

2-7s-22w Graham Ks.

PO Box 428  
Logan KS 67646

Quinn #2-2

Job Ticket: 45589

DST#: 5

ATTN: Rich Bell

Test Start: 2012.03.20 @ 21:02:00

## GENERAL INFORMATION:

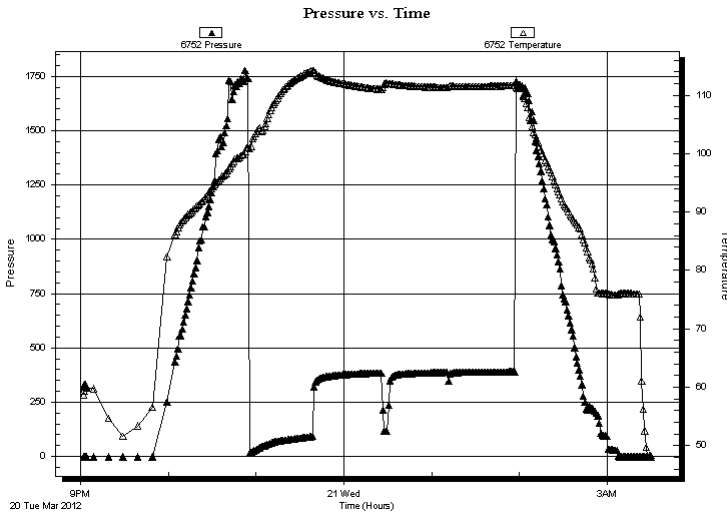
Formation:	LKC-E-F		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened:	22:55:30		Tester: Chuck Kreutzer Jr.
Time Test Ended:	03:30:00		Unit No: 61
Interval:	3575.00 ft (KB) To 3600.00 ft (KB) (TVD)	Reference Elevations:	2286.00 ft (KB)
Total Depth:	3600.00 ft (KB) (TVD)		2281.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft

## Serial #: 6752

Outside

Press @RunDepth:	psig @	3576.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2012.03.20	End Date:	2012.03.21	Last Calib.:	2012.03.21
Start Time:	21:02:05	End Time:	03:29:59	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: Weak blow , Built to 7 in. over 45 mins.  
IS: No blow  
FF: Weak blow , Built to 2 1/2 in. over 45 mins.  
FS: No blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw -5% m95%w	0.61
62.00	mcw -20% m80%w	0.87
1.00	oil-100%	0.01

## 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

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45589

**DST#: 5**

ATTN: Rich Bell

Test Start: 2012.03.20 @ 21:02:00

## Tool Information

Drill Pipe:	Length: 3456.00 ft	Diameter: 3.80 inches	Volume: 48.48 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 49.09 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3575.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 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
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3560.00	
Hydraulic tool	5.00			3565.00	
Packer	5.00			3570.00	20.00 Bottom Of Top Packer
Packer	5.00			3575.00	
Stubb	1.00			3576.00	
Recorder	0.00	6741	Inside	3576.00	
Recorder	0.00	6752	Outside	3576.00	
Perforations	21.00			3597.00	
Bullnose	3.00			3600.00	25.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>45.00</b>				





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45589

**DST#: 5**

ATTN: Rich Bell

Test Start: 2012.03.20 @ 21:02:00

## 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:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

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
124.00	mcw -5% m95%w	0.610
62.00	mcw -20% m80%w	0.870
1.00	oil-100%	0.014

Total Length: 187.00 ft

Total Volume: 1.494 bbl

Num Fluid Samples: 0

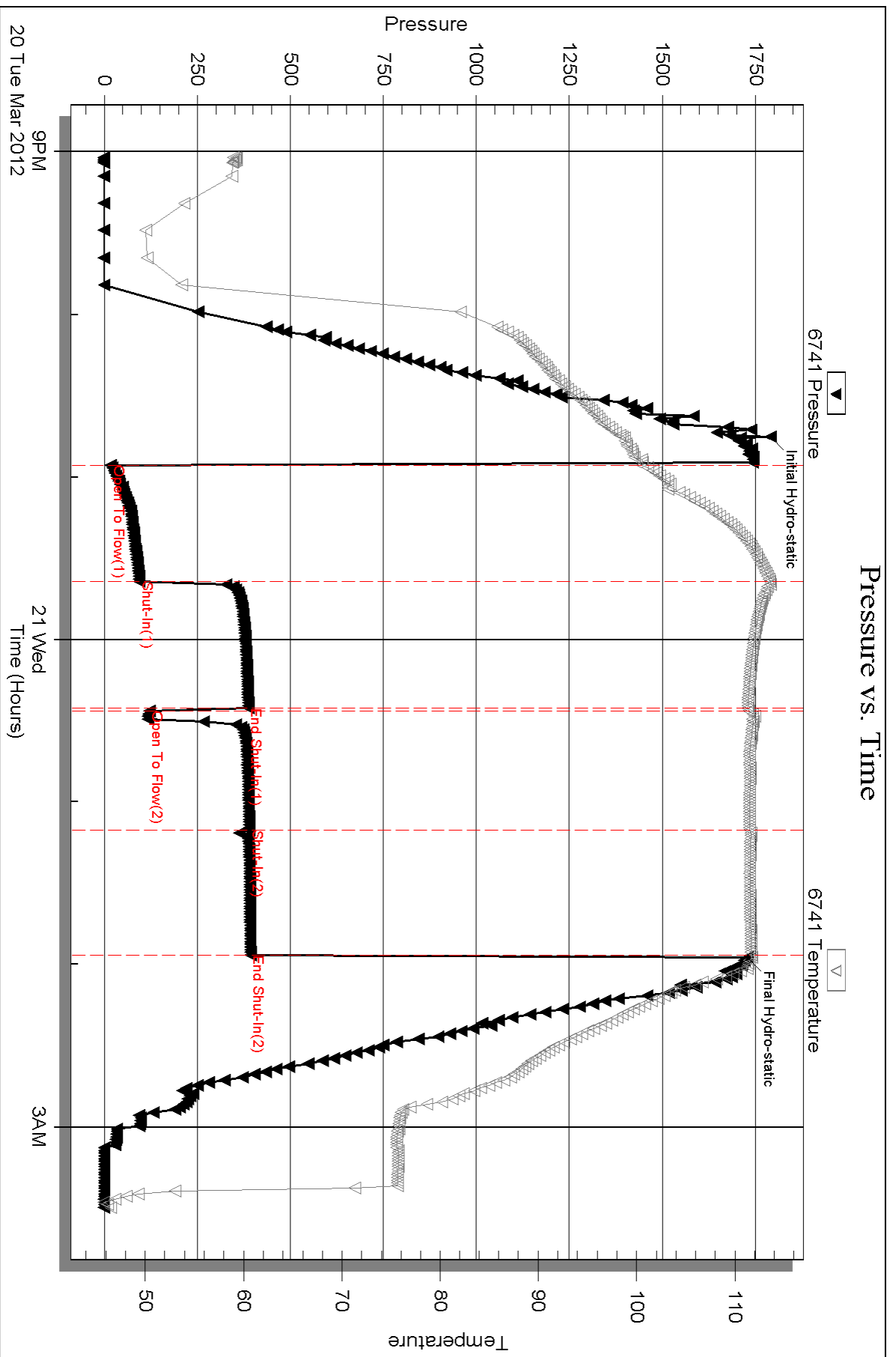
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

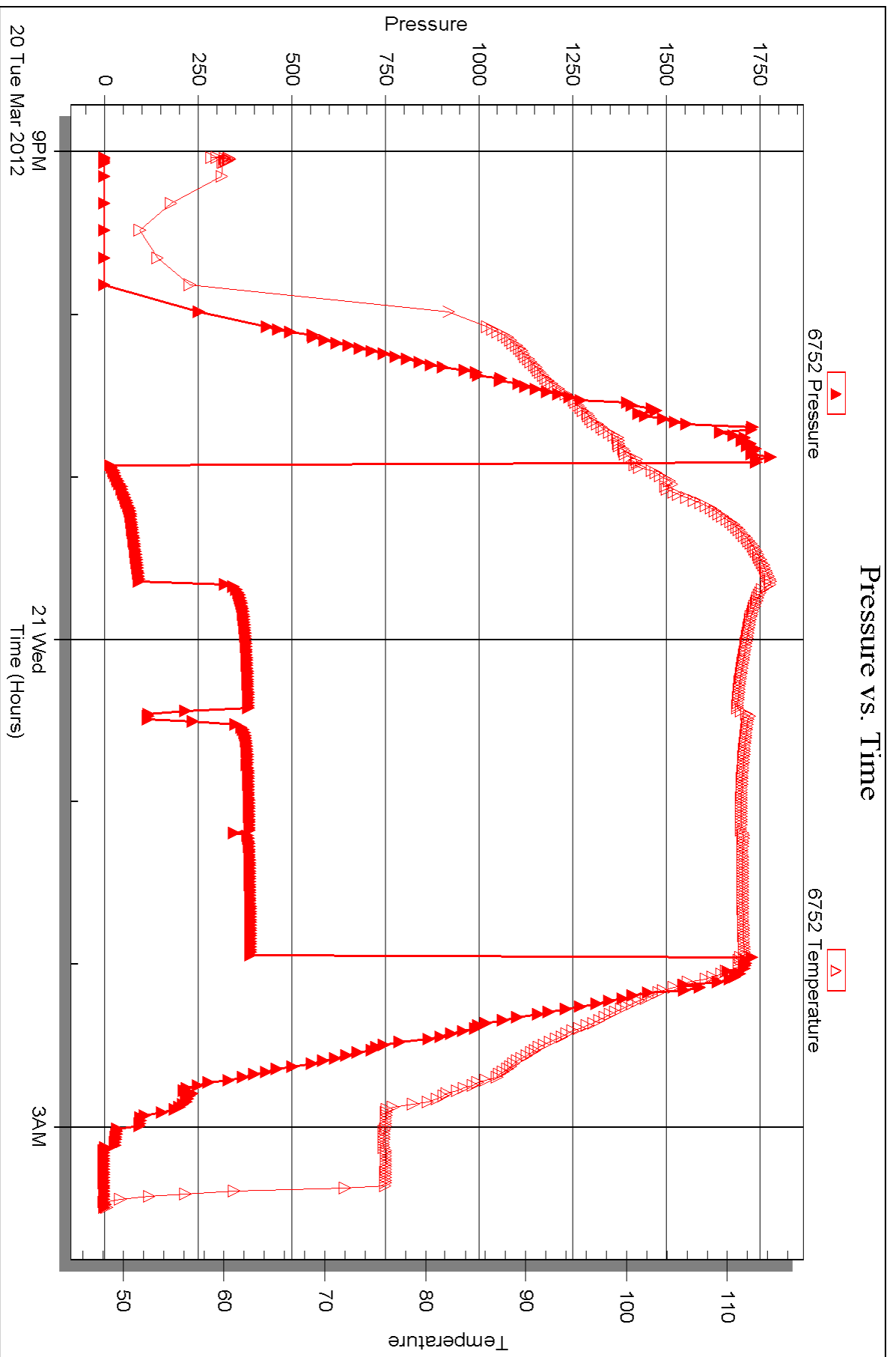


Serial #: 6752

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 45589

Printed: 2012.04.05 @ 09:24:23



## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428  
Logan KS 67646

ATTN: Rich Bell

**Quinn #2-2**

**2-7s-22w Graham Ks.**

Start Date: 2012.03.22 @ 03:25:00

End Date: 2012.03.22 @ 10:38:30

Job Ticket #: 45589                      DST #: 6

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

Printed: 2012.04.05 @ 09:21:08



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Company  
PO Box 428  
Logan KS 67646  
ATTN: Rich Bell

**2-7s-22w Graham Ks.**  
**Quinn #2-2**  
Job Ticket: 45589      **DST#: 6**  
Test Start: 2012.03.22 @ 03:25:00

## GENERAL INFORMATION:

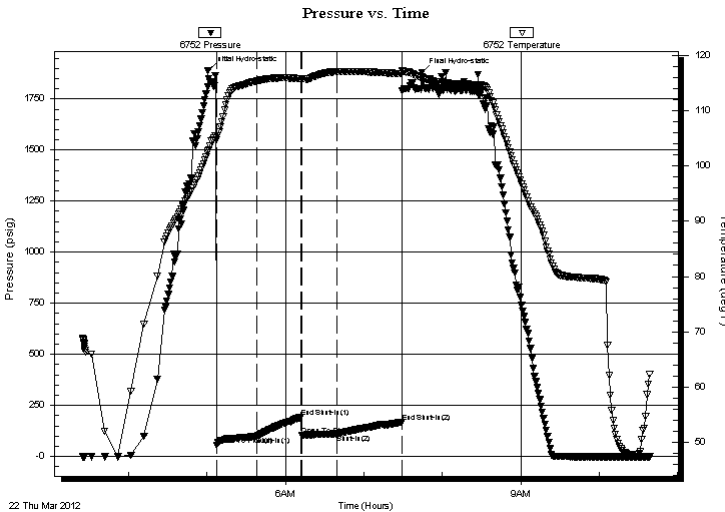
Formation: **LKC-L**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 05:07:30  
Time Test Ended: 10:38:30  
Test Type: Conventional Straddle (Reset)  
Tester: Chuck Kreuzer Jr.  
Unit No: 61  
Interval: **3700.00 ft (KB) To 3740.00 ft (KB) (TVD)**  
Reference Elevations: 2286.00 ft (KB)  
Total Depth: 3826.00 ft (KB) (TVD)      2281.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 5.00 ft

## Serial #: 6752      Outside

Press @ Run Depth: 111.31 psig @ 3587.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.03.22      End Date: 2012.03.22      Last Calib.: 2012.03.22  
Start Time: 03:25:05      End Time: 10:38:29      Time On Btm: 2012.03.22 @ 05:01:00  
Time Off Btm: 2012.03.22 @ 07:44:30

**TEST COMMENT:** IF: Fair blow , Built to BOB in 30 mins  
IS: No blow  
FF: Weak blow , Built to 2 1/4 in. over 30 mins.  
FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.67	102.71	Initial Hydro-static
7	56.28	104.73	Open To Flow (1)
38	98.78	115.41	Shut-In(1)
71	191.97	115.88	End Shut-In(1)
72	104.89	115.84	Open To Flow (2)
99	111.31	117.13	Shut-In(2)
148	168.52	116.76	End Shut-In(2)
164	1878.10	116.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm-30%o70%m	0.05
124.00	w cm-30%w 70%m	0.70

\* 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

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45589

**DST#: 6**

ATTN: Rich Bell

Test Start: 2012.03.22 @ 03:25:00

## Tool Information

Drill Pipe:	Length: 3577.00 ft	Diameter: 3.80 inches	Volume: 50.18 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 50.79 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3700.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	3737.00 ft			
Interval between Packers:	37.00 ft			
Tool Length:	148.50 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			3685.00	
Hydraulic tool	5.00			3690.00	
Packer	5.00			3695.00	20.00 Bottom Of Top Packer
Packer	5.00			3700.00	
Stubb	1.00			3701.00	
Recorder	0.00	8651	Outside	3701.00	
Perforations	2.00			3703.00	
Blank Spacing	31.00			3734.00	
Perforations	2.00			3736.00	
Blank Off Sub	1.00			3737.00	37.00 Tool Interval
Packer	5.00			3742.00	
Stubb	1.00			3743.00	
Recorder	0.00	6741	Below	3743.00	
Perforations	18.00			3761.00	
Change Over Sub	1.00			3762.00	
Blank Spacing	62.50			3824.50	
Change Over Sub	1.00			3825.50	
Bullnose	3.00			3828.50	91.50 Bottom Packers & Anchor

**Total Tool Length: 148.50**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Company

**2-7s-22w Graham Ks.**

PO Box 428  
Logan KS 67646

**Quinn #2-2**

Job Ticket: 45589

**DST#: 6**

ATTN: Rich Bell

Test Start: 2012.03.22 @ 03:25:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

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
10.00	ocm-30%o70%m	0.049
124.00	w cm-30%w 70%m	0.701

Total Length: 134.00 ft      Total Volume: 0.750 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

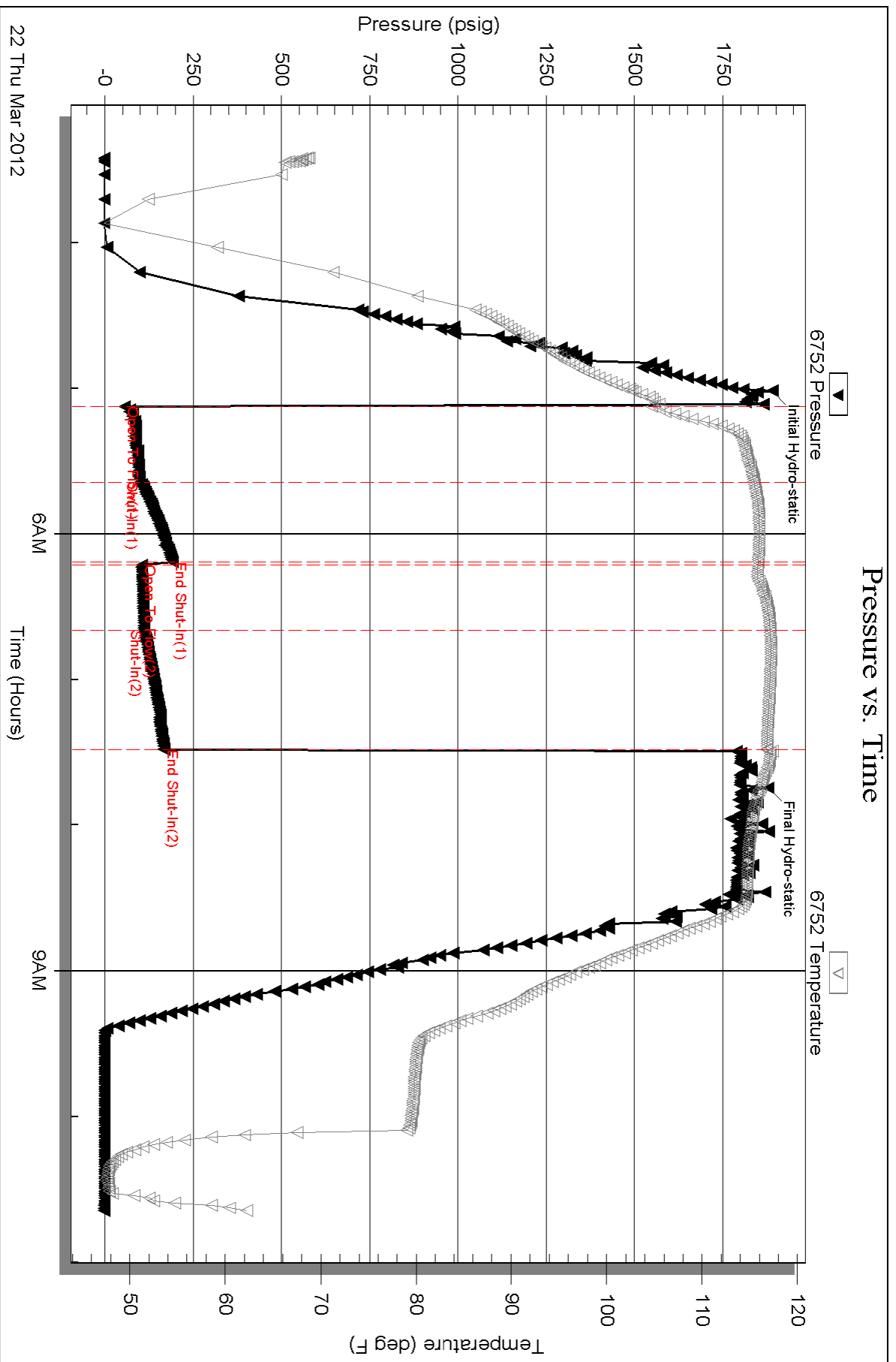
Serial #: 6752

Outside Baird Oil Company

Quinn #2-2

DST Test Number: 6

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45589

Printed: 2012.04.05 @ 09:21:10





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 23 2012

## Test Ticket

NO. 45585

4/10

BY:

Well Name & No. Quinn #2-2 Test No. 1 Date 3-18-2012  
 Company Baird Oil Company Elevation 2286 KB 2281 GL  
 Address 113 W main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bell Rig ww#8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks

Interval Tested 3509 3532 Zone Tested LKC-A  
 Anchor Length 23 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 3504 Drill Collars Run 124 Vis \_\_\_\_\_  
 Bottom Packer Depth 3509 Wt. Pipe Run 0 WL \_\_\_\_\_  
 Total Depth 3532 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description couldn't get passed 3222 still had 310 ft. to get to bottom  
waited a couple hrs while they worked on Drawworks.  
Came back out. Go back to bottom CILC. Came back out for DST #2

Rec	Feet of	%gas	%oil	%water	%mud
<u>-2</u>					
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 0 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic  Test 925 T-On Location 20:50  
 (B) First Initial Flow  Jars \_\_\_\_\_ T-Started 21:25  
 (C) First Final Flow  Safety Joint \_\_\_\_\_ T-Open \_\_\_\_\_  
 (D) Initial Shut-In  Circ Sub \_\_\_\_\_ T-Pulled 22:54  
 (E) Second Initial Flow  Hourly Standby \_\_\_\_\_ T-Out 3:20  
 (F) Second Final Flow  Mileage TART 100-80 Comments Had to work on  
Brakes before tripping tool  
IN Hole.  
 (G) Final Shut-In  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_

Initial Open 0  
 Initial Shut-In 0  
 Final Flow 0  
 Final Shut-In 0

Sub Total 1097.80  
 Total 1097.80  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1097.80

Approved By \_\_\_\_\_ Our Representative Chuck King

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.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 23 2012

## Test Ticket

NO. 45586

Well Name & No. Quinn 2-2 Test No. 2 Date 3-19-2012  
 Company Baird oil company Elevation 2286 KB 2281 GL  
 Address 113 W main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bell Rig WW#8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks.

Interval Tested 3509 3532 Zone Tested LKC-A  
 Anchor Length 23 Drill Pipe Run 3395 Mud Wt. 9.2  
 Top Packer Depth 3504 Drill Collars Run 124 Vis 55  
 Bottom Packer Depth 3509 Wt. Pipe Run ~0~ WL 7.2  
 Total Depth 3532 Chlorides 1700 ppm System LCM 1.5

Blow Description IF: Weak blow, Built to 2 in. over 45 mins.  
ISI: No blow back over 45 mins.  
FF: Weak blow, Built to 1 1/4 in. over 45 mins.  
FST: No blow back over 45 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>go</u>	<u>30</u>	<u>70</u>		
<u>62</u>	<u>gmc</u>	<u>5</u>	<u>60</u>		<u>35</u>
<u>0</u>	<u>320.70* = 31</u>				

Rec Total 82 BHT 104.7 Gravity 31 API RW @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1739  Test 1125 T-On Location 8:55  
 (B) First Initial Flow 12  Jars \_\_\_\_\_ T-Started 9:00  
 (C) First Final Flow 38  Safety Joint \_\_\_\_\_ T-Open 10:23  
 (D) Initial Shut-In 54  Circ Sub \_\_\_\_\_ T-Pulled 13:25  
 (E) Second Initial Flow 39  Hourly Standby \_\_\_\_\_ T-Out 15:14  
 (F) Second Final Flow 45  Mileage 24RT 33.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 53  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1708  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 45  Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1158.60  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 45 Sub Total 1158.60

Approved By \_\_\_\_\_ Our Representative Chuck Meyer

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.





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 23 2012

## Test Ticket

NO. 45587

BY: \_\_\_\_\_

Well Name & No. Quinn #2-2 Test No. 3 Date 3-19-2012  
 Company Bard oil company Elevation 2286 KB 2281 GL  
 Address 113 W main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bel Rig WW#8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State KS.

Interval Tested 3536 3557 Zone Tested LKC-C  
 Anchor Length 21 Drill Pipe Run 3424 Mud Wt. 9.2  
 Top Packer Depth 3531 Drill Collars Run 124 Vis 55  
 Bottom Packer Depth 3536 Wt. Pipe Run -0- WL 7.2  
 Total Depth 3557 Chlorides 1,700 ppm System LCM 1.5

Blow Description IF: strong blow, Built to B. OB in 2 mins  
JSI: Blow Back, Built to B. OB in 12 mins  
FF: strong blow, Built to B. O. B in 1 mins  
FST: Blow Back, Built to B. OB in 8 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>100 ft gas in pipe</u>				
<u>20</u>	<u>90-</u>	<u>30</u>	<u>70</u>		
<u>620</u>	<u>90-</u>	<u>10</u>	<u>90</u>		
<u>279</u>	<u>mcw</u>	<u>10</u>	<u>3</u>	<u>60</u>	<u>27</u>
<u>279</u>	<u>mcw</u>	<u>50</u>		<u>85</u>	<u>10</u>

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity 31.9 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1744  Test 1125 T-On Location 20:30  
 (B) First Initial Flow 87  Jars \_\_\_\_\_ T-Started 20:45  
 (C) First Final Flow 241  Safety Joint \_\_\_\_\_ T-Open 22:18  
 (D) Initial Shut-In 201892  Circ Sub \_\_\_\_\_ T-Pulled 00:45  
 (E) Second Initial Flow 433  Hourly Standby \_\_\_\_\_ T-Out 3:23  
 (F) Second Final Flow 21948  Mileage 12x2=24x1.40 33.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 2083 874  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1683  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1158.60  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 45 Sub Total 1158.60

Approved By \_\_\_\_\_ Our Representative Chad [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.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 23 2012

## Test Ticket

NO. 45588

4/10

BY: \_\_\_\_\_

Well Name & No. Quinn #2-2 Test No. 4 Date 3-20-2012  
 Company Barr Oil Company Elevation 2286 KB 2281 GL \_\_\_\_\_  
 Address 113 W main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bell Rig WW#18  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks.

Interval Tested 3556 3571 Zone Tested LKC-D  
 Anchor Length \_\_\_\_\_ 15 Drill Pipe Run 3426 Mud Wt. 9.2  
 Top Packer Depth \_\_\_\_\_ 3551 Drill Collars Run 124 Vis 55  
 Bottom Packer Depth \_\_\_\_\_ 3556 Wt. Pipe Run -0- WL 7.2  
 Total Depth \_\_\_\_\_ 3571 Chlorides 1,700 ppm System LCM 1.5

Blow Description FF: Strong blow, Built to B.O.B in 4 mins.  
ISS: No blow  
FF: Strong blow Built to B.O.B in 6 mins  
BSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>oil</u>				
<u>1486</u>	<u>water</u>				
_____	_____				
_____	_____				
_____	_____				

Rec Total 1456 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic _____ <u>1801</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location _____ <u>9:00</u>
(B) First Initial Flow _____ <u>53</u>	<input type="checkbox"/> Jars _____	T-Started _____ <u>9:25</u>
(C) First Final Flow _____ <u>341</u>	<input type="checkbox"/> Safety Joint _____	T-Open _____ <u>10:36</u>
(D) Initial Shut-In _____ <u>920</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled _____ <u>12:40</u>
(E) Second Initial Flow _____ <u>348</u>	<input type="checkbox"/> Hourly Standby _____	T-Out _____ <u>14:54</u>
(F) Second Final Flow _____ <u>552</u>	<input checked="" type="checkbox"/> Mileage <u>12x2 = 24 x 1.40 = 33.60</u>	Comments _____
(G) Final Shut-In _____ <u>917</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic _____ <u>1709</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open _____ <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In _____ <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____ <u>0</u>
Final Flow _____ <u>30</u>	<input type="checkbox"/> Day Standby _____	Total _____ <u>1158.60</u>
Final Shut-In _____ <u>30</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____ <u>1158.60</u>	

Approved By \_\_\_\_\_ Our Representative Chuck [Signature]

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RECEIVED  
MAR 23 2012  
BY: \_\_\_\_\_

## Test Ticket

NO. 45589

Well Name & No. Quinn #2-2 Test No. 5 Date 3-20-2012  
 Company Baird Oil Company Elevation 2286 KB 2281 GL \_\_\_\_\_  
 Address 113 W. main P.O. Box 428 Logan KS. 67646  
 Co. Rep / Geo. Richard Bell Rig WW#8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks

Interval Tested 3575 3600 Zone Tested LKCF, F  
 Anchor Length \_\_\_\_\_ 25 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.1  
 Top Packer Depth \_\_\_\_\_ 3570 Drill Collars Run 124 Vis 62  
 Bottom Packer Depth \_\_\_\_\_ 3575 Wt. Pipe Run -0- WL 6.4  
 Total Depth \_\_\_\_\_ 3600 Chlorides 2000 ppm System LCM 1#

Blow Description IF: Weak blow, built to 7 in. over 45 mins  
ISI: No blow  
FF: Weak blow, built to 2 1/2 in. over 45 mins  
FST: No blow.

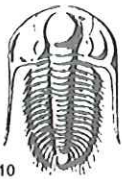
Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>oil</u>		<u>100</u>		
<u>62</u>	<u>MW</u>			<u>80</u>	<u>20</u>
<u>124</u>	<u>MW</u>			<u>95</u>	<u>5</u>
_____	_____				
_____	_____				

Rec Total 187 BHT 111.6 Gravity \_\_\_\_\_ API RW 4 @ 65 °F Chlorides 1800 ppm

(A) Initial Hydrostatic \_\_\_\_\_ 1790  Test 1125 T-On Location 20:15  
 (B) First Initial Flow \_\_\_\_\_ 18  Jars \_\_\_\_\_ T-Started 21:02  
 (C) First Final Flow \_\_\_\_\_ 95  Safety Joint \_\_\_\_\_ T-Open 22:55  
 (D) Initial Shut-In \_\_\_\_\_ 387  Circ Sub \_\_\_\_\_ T-Pulled 1:55  
 (E) Second Initial Flow \_\_\_\_\_ 121  Hourly Standby \_\_\_\_\_ T-Out 03:30  
 (F) Second Final Flow \_\_\_\_\_ 389  Mileage 12x2=24x1.40 33.60 Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_ 392  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic \_\_\_\_\_ 1729  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open \_\_\_\_\_ 45  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In \_\_\_\_\_ 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow \_\_\_\_\_ 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In \_\_\_\_\_ 45  Day Standby \_\_\_\_\_ Total 1158.60  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1158.60

Approved By \_\_\_\_\_ Our Representative [Signature]



# TRILOBITE TESTING INC.

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MAR 23 2012

## Test Ticket

NO. 45591

Well Name & No. Quinn #2-2 Test No. 6 Date 3-22-2012  
 Company Barred oil company Elevation 2286 KB 2281 GL  
 Address 113 W. main P.O. Box 428 Logan Ks. 67646  
 Co. Rep / Geo. Richard Bell Rig Barred W W # 8  
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State Ks.

Interval Tested 3700 3740 Zone Tested LKc-L  
 Anchor Length 40 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.2  
 Top Packer Depth \_\_\_\_\_ Drill Collars Run 124 Vis 57  
 Bottom Packer Depth 3700 Wt. Pipe Run \_\_\_\_\_ WL 6.0  
 Total Depth 3740 Chlorides 2000 ppm System LCM 2#

Blow Description IF: Fair blow, Built to B.O.B in 30 mins  
ISI: No blow  
FSI: Weak blow, Built to ~~2 1/4~~ 2 1/4 in. over 30 mins  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>ocm</u>	<u>30</u>		<u>70</u>	<u>0</u>
<u>124</u>	<u>WCM</u>			<u>70</u>	<u>30</u>
<u><del>10</del></u>	<u><del>ocm</del></u>			<u><del>70</del></u>	<u><del>30</del></u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____	BHT _____	Gravity _____	API RW _____	@ _____	F Chlorides _____	ppm _____
(A) Initial Hydrostatic <u>1890</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>3:10</u>				
(B) First Initial Flow <u>56</u>	<input type="checkbox"/> Jars _____	T-Started <u>3:25</u>				
(C) First Final Flow <u>99</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>5:07</u>				
(D) Initial Shut-In <u>197</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>7:10</u>				
(E) Second Initial Flow <u>105</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>10:38</u>				
(F) Second Final Flow <u>111</u>	<input checked="" type="checkbox"/> Mileage <u>72 RT. 100.80</u>	Comments _____				
(G) Final Shut-In <u>169</u>	<input type="checkbox"/> Sampler _____					
(H) Final Hydrostatic <u>1878</u>	<input checked="" type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>				
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packers <u>1250</u>	<input type="checkbox"/> Ruined Packer _____				
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____				
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>350</u>				
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>2425.80</u>				
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____				
	Sub Total <u>2075.80</u>					

Approved By \_\_\_\_\_ Our Representative Chris [Signature]  
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