



DRILL STEM TEST REPORT

Prepared For: **John O.Farmer Inc.**

PO Box 352
Russell KS 67665

ATTN: Austin Klaus

Gilbert #1

7-16s-10e Lyon,KS

Start Date: 2012.10.19 @ 22:14:44

End Date: 2012.10.20 @ 05:21:14

Job Ticket #: 49620 DST #: 1

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

Printed: 2012.10.23 @ 14:46:18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O. Farmer Inc.

7-16s-10e Lyon, KS

PO Box 352
Russell KS 67665

Gilbert #1

ATTN: Austin Klaus

Job Ticket: 49620

DST#: 1

Test Start: 2012.10.19 @ 22:14:44

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:04:29

Time Test Ended: 05:21:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3144.00 ft (KB) To 3171.00 ft (KB) (TVD)

Reference Elevations: 1407.00 ft (KB)

Total Depth: 3171.00 ft (KB) (TVD)

1399.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8352 Inside

Press @ Run Depth: 1030.35 psig @ 3145.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.19

End Date:

2012.10.20

Last Calib.:

2012.10.20

Start Time: 22:14:49

End Time:

05:21:13

Time On Btm:

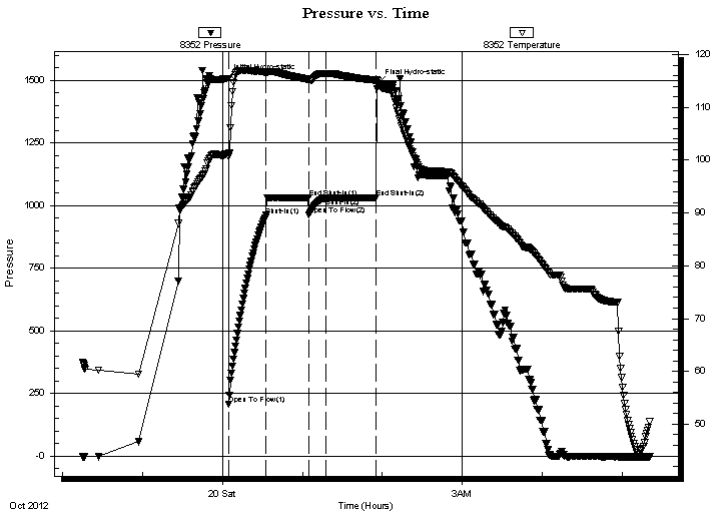
2012.10.20 @ 00:03:14

Time Off Btm:

2012.10.20 @ 01:56:44

TEST COMMENT: IF: Strong blow . B.O.B. in 35 secs.
IS: No blow .
FF: Strong blow . B.O.B. in 55 secs.
FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.77	101.20	Initial Hydro-static
2	208.32	100.68	Open To Flow (1)
30	960.94	116.66	Shut-In(1)
62	1030.92	115.32	End Shut-In(1)
62	962.24	115.29	Open To Flow (2)
75	1030.35	116.46	Shut-In(2)
113	1030.99	115.13	End Shut-In(2)
114	1485.13	114.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2065.00	MW 2% <i>m</i> 98% <i>w</i>	25.63
340.00	MW 18% <i>m</i> 82% <i>w</i>	4.77

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O.Farmer Inc.

7-16s-10e Lyon,KS

PO Box 352
Russell KS 67665

Gilbert #1

Job Ticket: 49620

DST#: 1

ATTN: Austin Klaus

Test Start: 2012.10.19 @ 22:14:44

Tool Information

Drill Pipe:	Length: 2785.00 ft	Diameter: 3.80 inches	Volume: 39.07 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 366.00 ft	Diameter: 2.25 inches	Volume: 1.80 bbl	Weight to Pull Loose:	83000.00 lb
			<u>Total Volume: 40.87 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3144.00 ft			Final	70000.00 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
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			3125.00	
Shut in tool	5.00			3130.00	
HMV	5.00			3135.00	
Packer	4.00			3139.00	20.00 Bottom Of Top Packer
Packer	5.00			3144.00	
Stubb	1.00			3145.00	
Recorder	0.00	8352	Inside	3145.00	
Recorder	0.00	8370	Outside	3145.00	
Perforations	21.00			3166.00	
Bullnose	5.00			3171.00	27.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O.Farmer Inc.

7-16s-10e Lyon,KS

PO Box 352
Russell KS 67665

Gilbert #1

Job Ticket: 49620

DST#: 1

ATTN: Austin Klaus

Test Start: 2012.10.19 @ 22:14:44

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:

11400 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 650.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2065.00	MW 2% _m 98% _w	25.632
340.00	MW 18% _m 82% _w	4.769

Total Length: 2405.00 ft Total Volume: 30.401 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

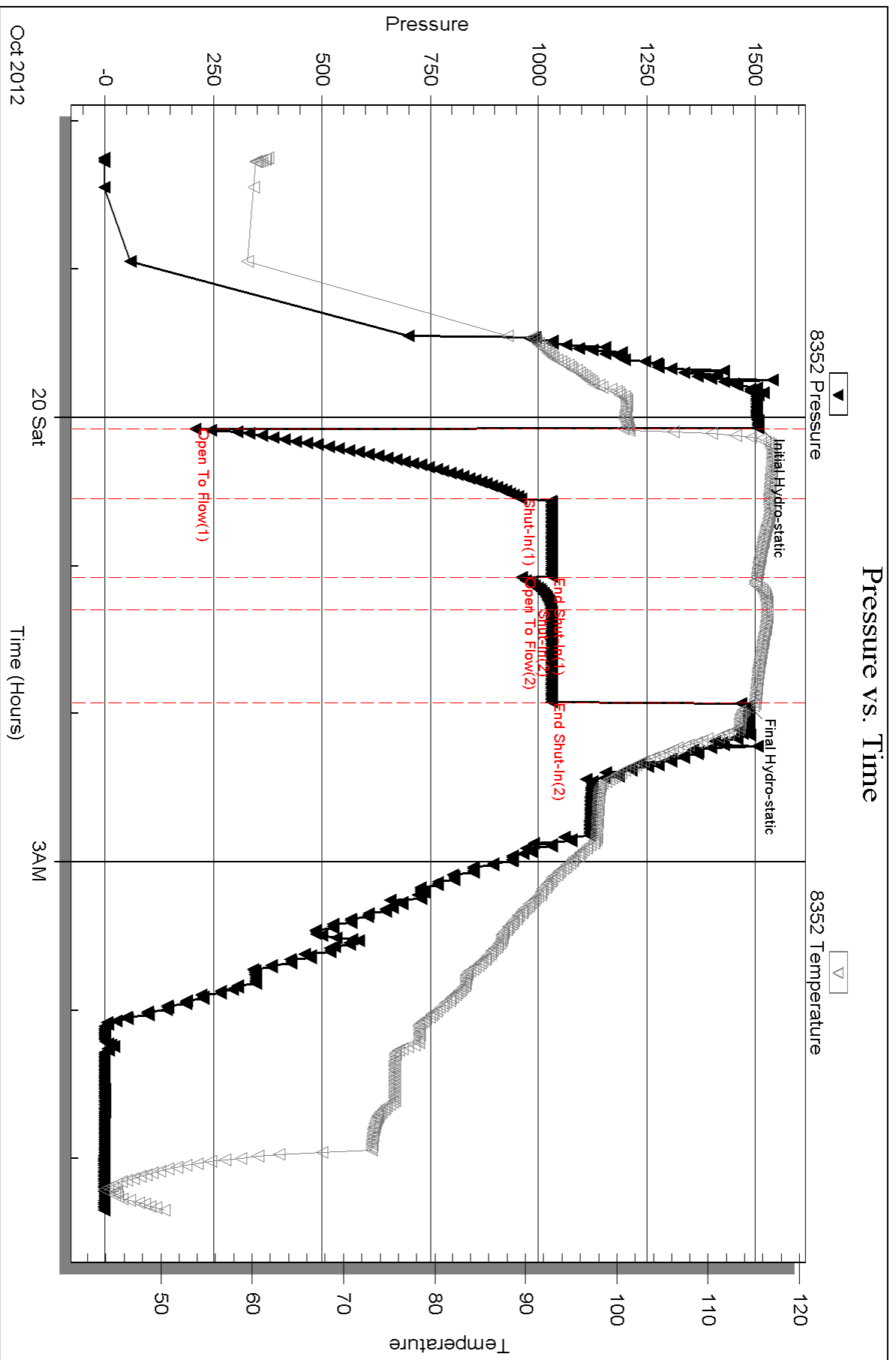
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .80 ohms @49deg

Pressure vs. Time



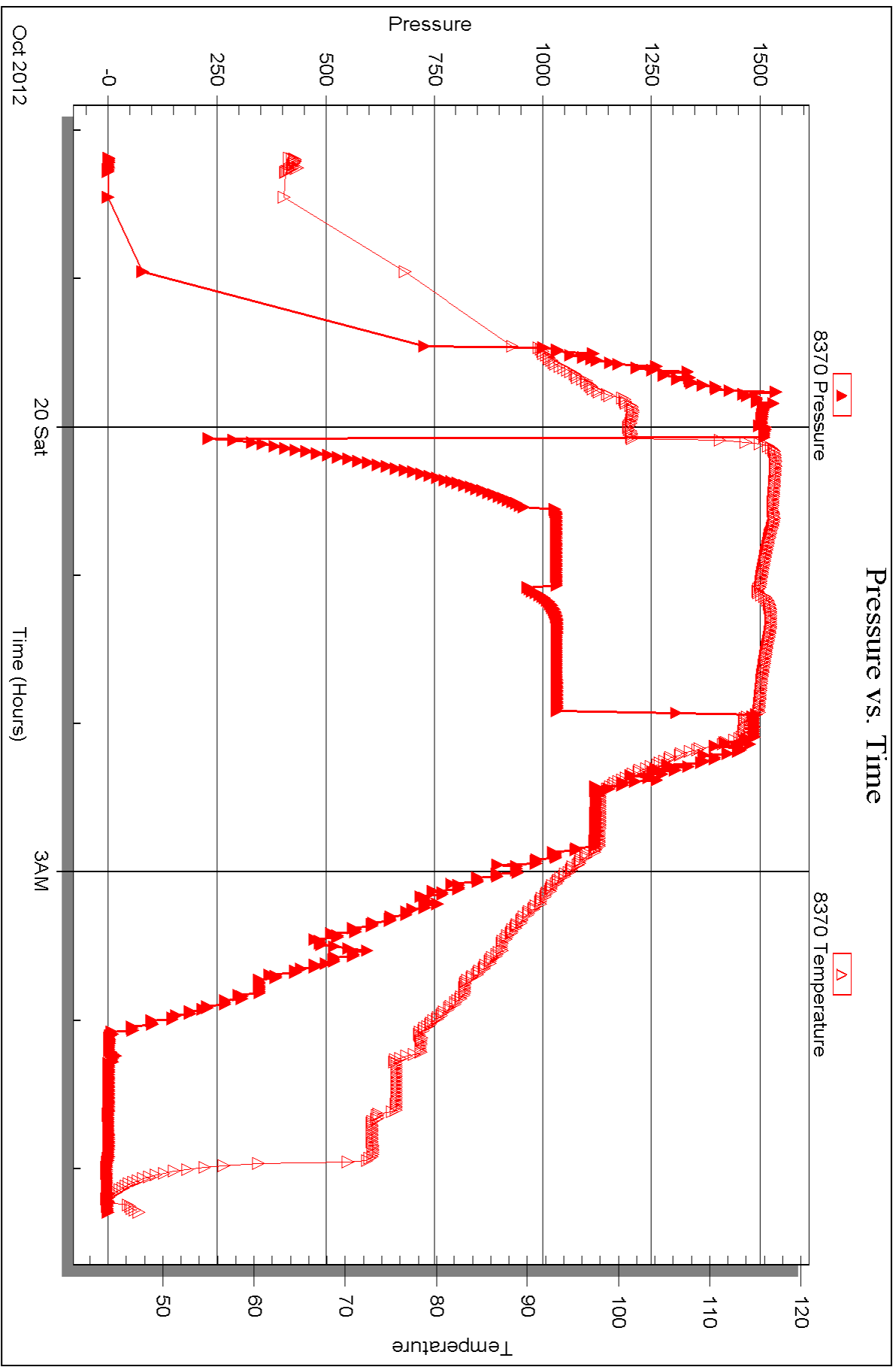
Serial #: 8370

Outside

John O. Farmer Inc.

Gilbert #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **John O.Farmer Inc.**

PO Box 352
Russell KS 67665

ATTN: Austin Klaus

Gilbert #1

7-16s-10e Lyon,KS

Start Date: 2012.10.20 @ 22:55:50

End Date: 2012.10.21 @ 05:06:05

Job Ticket #: 49621 DST #: 2

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

Printed: 2012.10.23 @ 14:43:37



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O. Farmer Inc.

7-16s-10e Lyon, KS

PO Box 352
Russell KS 67665

Gilbert #1

Job Ticket: 49621

DST#: 2

ATTN: Austin Klaus

Test Start: 2012.10.20 @ 22:55:50

GENERAL INFORMATION:

Formation: **Simpson Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:06:05

Time Test Ended: 05:06:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3252.00 ft (KB) To 3269.00 ft (KB) (TVD)

Reference Elevations: 1407.00 ft (KB)

Total Depth: 3269.00 ft (KB) (TVD)

1399.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8352 Inside

Press @ Run Depth: 17.53 psig @ 3253.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.20

End Date:

2012.10.21

Last Calib.: 2012.10.21

Start Time: 22:55:55

End Time:

05:06:04

Time On Btm: 2012.10.21 @ 01:05:20

Time Off Btm: 2012.10.21 @ 02:52:05

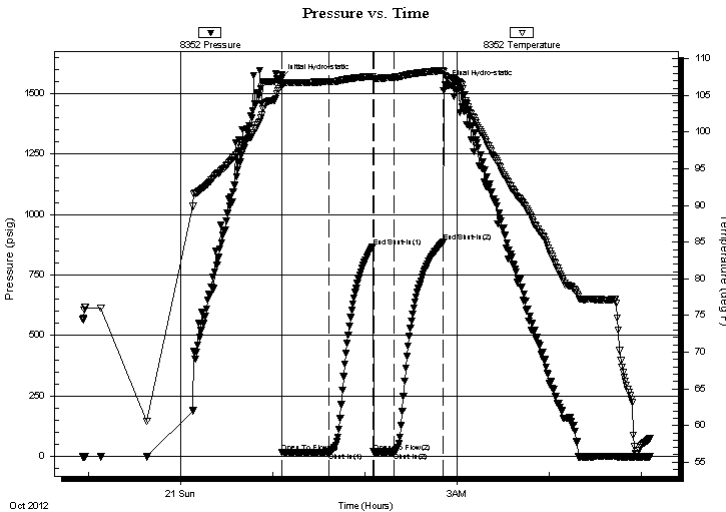
TEST COMMENT: IF: Very weak blow. Dead in 11 mins.

IS: No blow.

FF: No blow.

FS: No blow.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1560.50	106.63	Initial Hydro-static
1	16.96	106.42	Open To Flow (1)
32	18.25	106.88	Shut-In(1)
60	867.17	107.62	End Shut-In(1)
61	18.57	107.32	Open To Flow (2)
74	17.53	107.48	Shut-In(2)
106	884.75	108.42	End Shut-In(2)
107	1536.74	107.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drig. mud/ oilspecs @ top of tool	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O. Farmer Inc.

7-16s-10e Lyon, KS

PO Box 352
Russell KS 67665

Gilbert #1

Job Ticket: 49621

DST#: 2

ATTN: Austin Klaus

Test Start: 2012.10.20 @ 22:55:50

Tool Information

Drill Pipe:	Length: 2879.00 ft	Diameter: 3.80 inches	Volume: 40.38 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 366.00 ft	Diameter: 2.25 inches	Volume: 1.80 bbl	Weight to Pull Loose:	71000.00 lb
			<u>Total Volume: 42.18 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	3252.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	17.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			3233.00	
Shut in tool	5.00			3238.00	
HMV	5.00			3243.00	
Packer	4.00			3247.00	20.00 Bottom Of Top Packer
Packer	5.00			3252.00	
Stubb	1.00			3253.00	
Recorder	0.00	8352	Inside	3253.00	
Recorder	0.00	8370	Outside	3253.00	
Perforations	11.00			3264.00	
Bullnose	5.00			3269.00	17.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O.Farmer Inc.

7-16s-10e Lyon,KS

PO Box 352
Russell KS 67665

Gilbert #1

Job Ticket: 49621

DST#: 2

ATTN: Austin Klaus

Test Start: 2012.10.20 @ 22:55:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

800 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drig.mud/ oilspecc @ top of tool	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

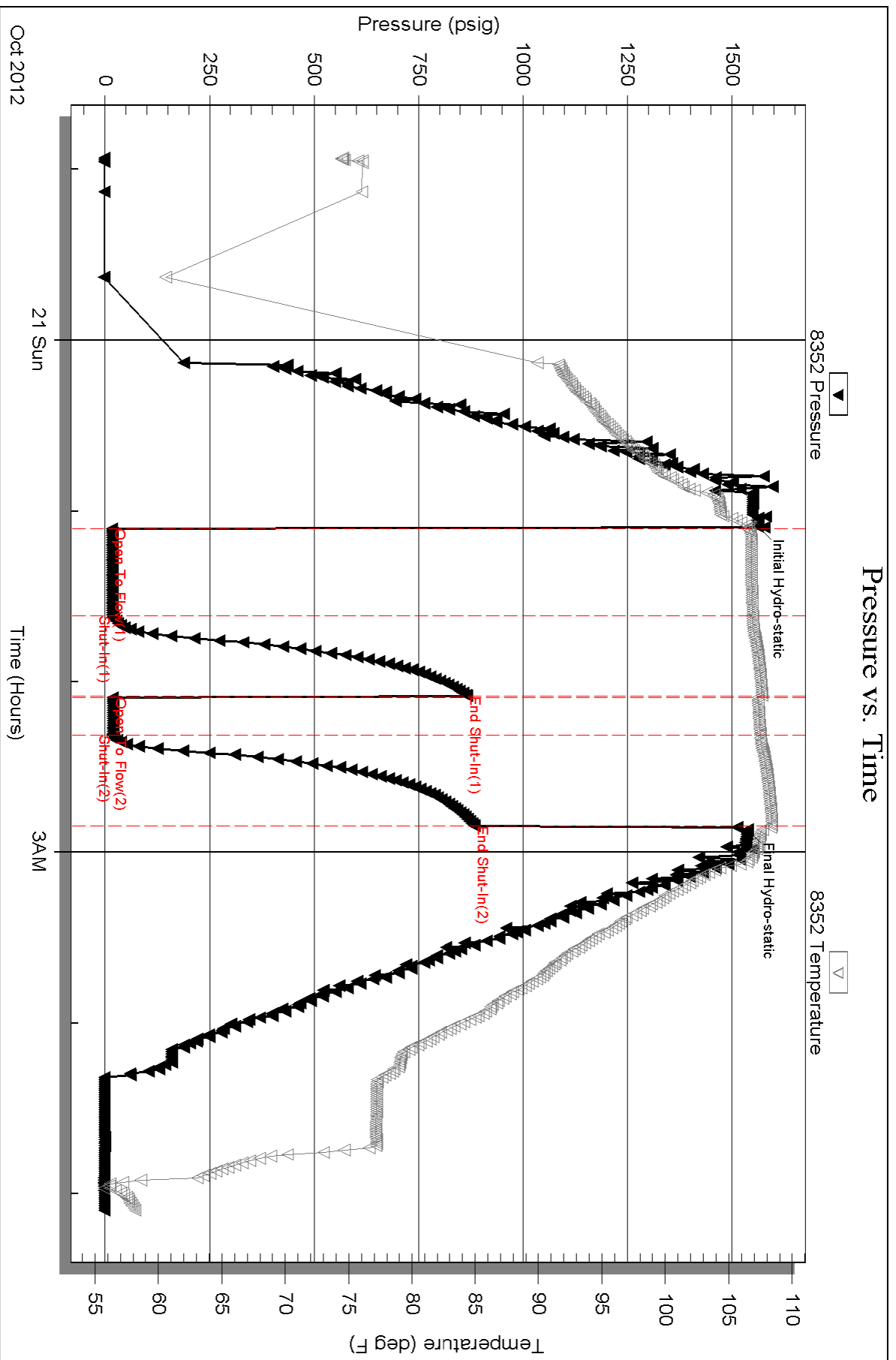
Serial #: none

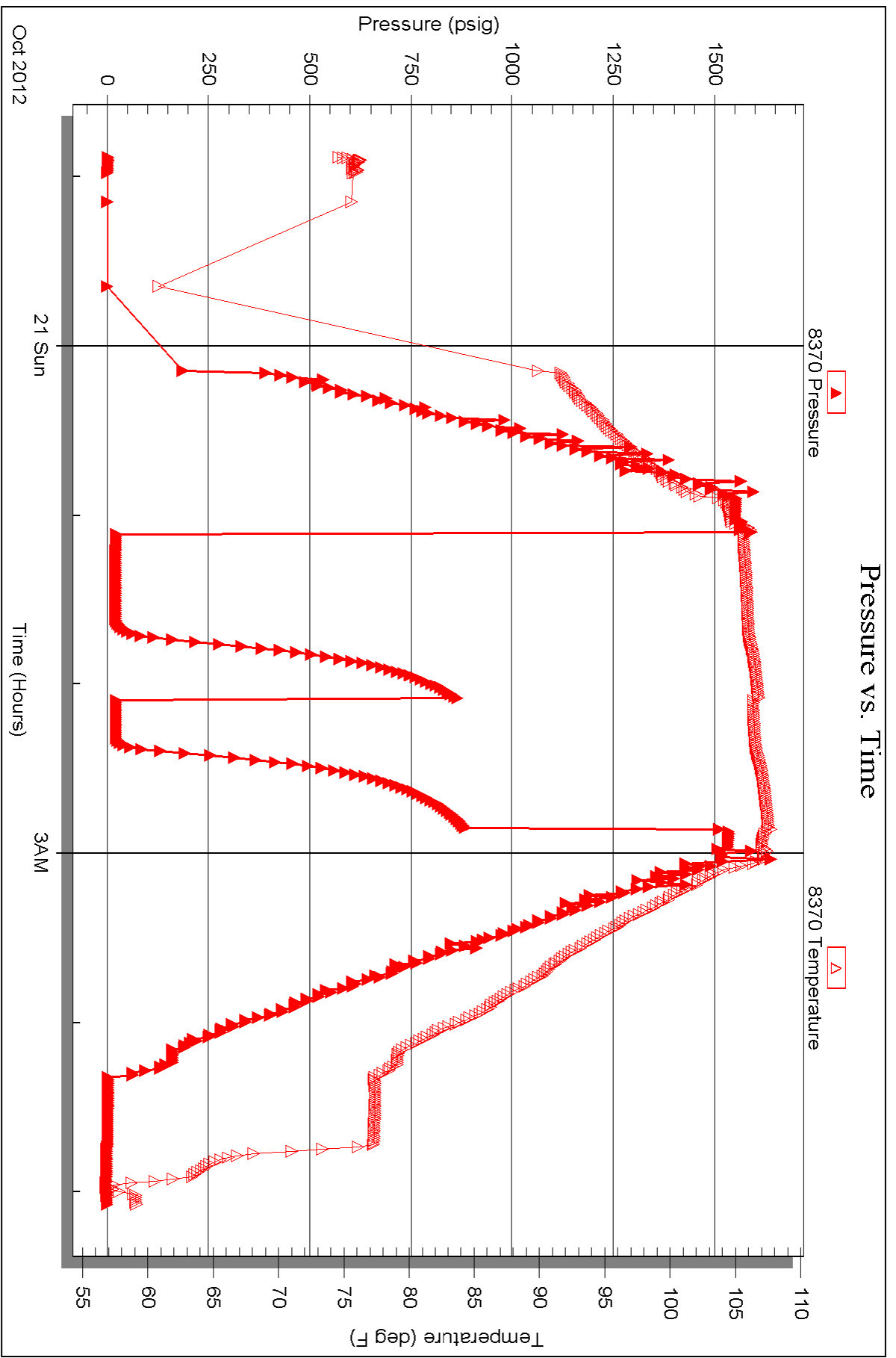
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49620

4/10

Well Name & No. COLEBERT #1 Test No. 1 Date 10-19-12
 Company JOHN O. FARMER INC. Elevation 1407 KB 1399 GL
 Address 370 W. WICHITA AVE. P.O. BOX 352, RUSSELL KS. 67665
 Co. Rep / Geo. AUSTIN KLAUS Rig GOUCK DRUG.
 Location: Sec. 7 Twp. 16 S Rge. 10 E Co. LYON State KS.

Interval Tested 3144 - 3171' Zone Tested N201A
 Anchor Length 27' Drill Pipe Run 2785' Mud Wt. 9.0
 Top Packer Depth 3139' Drill Collars Run 366' Vis 46
 Bottom Packer Depth 3144' Wt. Pipe Run 0 WL 10.2 cc
 Total Depth 3171' Chlorides 650 ppm System LCM 4#
 Blow Description IF; Strong blow. B.O.B. in 35 sec. ISI; No blow.

FF; Strong blow. B.O.B. in 35 sec. FSI; No blow.

Rec	Feet of	%gas	%oil	%water	%mud
340	MW		82	18	
2065	MW		98	2	

Rec Total 2405 Fluid BHT 115° Gravity N/A API RW -80 @ 49 °F Chlorides 11,400 ppm
 (A) Initial Hydrostatic 1507 Test 1150 T-On Location 2113
 (B) First Initial Flow 208 Jars T-Started 2214
 (C) First Final Flow 961 Safety Joint T-Open 0004
 (D) Initial Shut-In 1031 Circ Sub T-Pulled 0154
 (E) Second Initial Flow 962 Hourly Standby T-Out 0521
 (F) Second Final Flow 1030 Mileage 3547 548.70 Comments _____
 (G) Final Shut-In 1031 Sampler _____
 (H) Final Hydrostatic 1485 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 20 Day Standby _____
 Final Shut-In 30 Accessibility _____
 Sub Total 1698.70 MP/DST Disc't _____

Approved By _____ Our Representative Gary P. Watson

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

Test Ticket

NO. 49621

4/10

Well Name & No. GILBERT #1 Test No. 2 Date 10-20-12
 Company JOHN O. FARMER INC. Elevation 1407 KB 1399 GL
 Address 370 W. WICHITA AVE. P.O. Box 352, Russell Ks. 67665
 Co. Rep / Geo. AUSTIN KLAUS Rig GULZICK DRUG.
 Location: Sec. 7 Twp. 16S Rge. 10E Co. LYON State Ks.

Interval Tested 3252 - 3269' Zone Tested SIMPSON SO.
 Anchor Length 17' Drill Pipe Run 2819' Mud Wt. 9.1
 Top Packer Depth 3247' Drill Collars Run 366' Vis 50
 Bottom Packer Depth 3252' Wt. Pipe Run 0 WL 9.6 cc
 Total Depth 3269' Chlorides 800 ppm System LCM 2 1/2 #
 Blow Description IF: Very weak below. Dead in 11 mins - FSI: No below.

FF: No below. FSI: No below.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Feet of Dry Mud/Oil seen @ Top</u>				
	<u>of tool</u>				

Rec Total 2 Fluid BHT 108° Gravity N/A API RW N.C. @ ~ ° F Chlorides 800 ppm
 (A) Initial Hydrostatic 1561 Test 1150 T-On Location 2229
 (B) First Initial Flow 17 Jars T-Started 2255
 (C) First Final Flow 18 Safety Joint T-Open 0106
 (D) Initial Shut-In 867 Circ Sub T-Pulled 0249
 (E) Second Initial Flow 19 Hourly Standby T-Out 0506
 (F) Second Final Flow 18 Mileage 90 MUSKEL X 2 548.70 Comments _____
 (G) Final Shut-In 885 Sampler _____
 (H) Final Hydrostatic 1537 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1698.70
 Final Flow 15 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1698.70

Approved By _____ Our Representative Gary P. ...
 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.