



DRILL STEM TEST REPORT

Prepared For: **Charter Energy, Inc.**

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Deckert #1

18-20s-15w Barton,KS

Start Date: 2014.06.21 @ 10:25:00

End Date: 2014.06.21 @ 18:05:00

Job Ticket #: 59401 DST #: 1

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

Printed: 2014.06.24 @ 13:51:27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy, Inc.
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

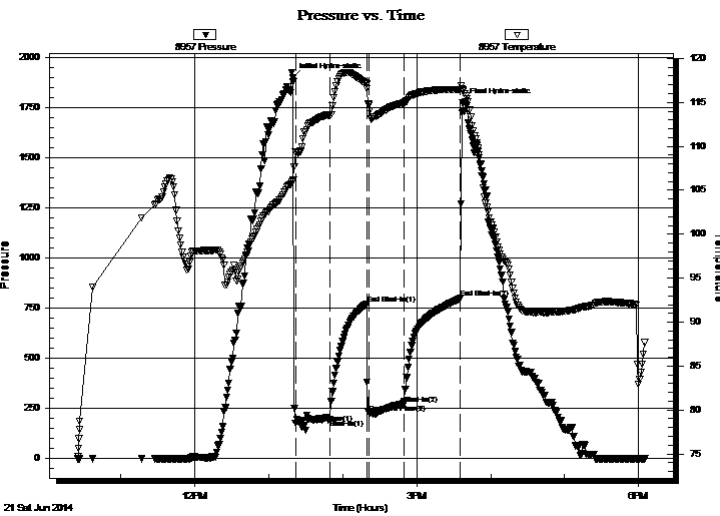
18-20s-15w Barton, KS
Deckert #1
Job Ticket: 59401 **DST#: 1**
Test Start: 2014.06.21 @ 10:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:21:45
Time Test Ended: 18:05:00
Interval: **3755.00 ft (KB) To 3810.00 ft (KB) (TVD)**
Total Depth: 3810.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Brett Dickinson
Unit No: 59
Reference Elevations: 2099.00 ft (KB)
2092.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8957 Outside
Press@RunDepth: 273.68 psig @ 3756.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.21 End Date: 2014.06.21 Last Calib.: 2014.06.21
Start Time: 10:25:05 End Time: 18:04:59 Time On Btm: 2014.06.21 @ 13:19:30
Time Off Btm: 2014.06.21 @ 15:37:15

TEST COMMENT: IF-BOB in 15 sec
ISI-BOB in 30 sec
FF-BOB Immediately
FSI-BOB in 30 sec



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1899.03	106.09	Initial Hydro-static
3	175.08	109.31	Open To Flow (1)
31	195.44	113.58	Shut-In(1)
60	771.84	117.08	End Shut-In(1)
62	228.22	114.68	Open To Flow (2)
90	273.68	114.91	Shut-In(2)
136	798.89	116.47	End Shut-In(2)
138	1774.15	116.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOW 5%O 95%W	0.84
185.00	GWCO 30%G 45%O 25%W	2.60
310.00	GOMCW 30%G 20%O 30%W 20%M	4.35
540.00	GOWCM 35%G 10%O 20%W 35%M	7.57
60.00	OS Mud	0.84
0.00	GTS	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy, Inc.

18-20s-15w Barton, KS

PO Box 252
Great Bend KS 67530

Deckert #1

Job Ticket: 59401

DST#: 1

ATTN: Jim Musgrove

Test Start: 2014.06.21 @ 10:25:00

Tool Information

Drill Pipe:	Length: 3745.00 ft	Diameter: 3.80 inches	Volume: 52.53 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3755.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	75.00 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			3740.00	
Hydraulic tool	5.00			3745.00	
Packer	5.00			3750.00	20.00 Bottom Of Top Packer
Packer	5.00			3755.00	
Stubb	1.00			3756.00	
Recorder	0.00	8934	Inside	3756.00	
Recorder	0.00	8957	Outside	3756.00	
Perforations	2.00			3758.00	
Change Over Sub	1.00			3759.00	
Drill Pipe	32.00			3791.00	
Change Over Sub	1.00			3792.00	
Perforations	15.00			3807.00	
Bullnose	3.00			3810.00	55.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.

18-20s-15w Barton, KS

PO Box 252
Great Bend KS 67530

Deckert #1

Job Ticket: 59401

DST#: 1

ATTN: Jim Musgrove

Test Start: 2014.06.21 @ 10:25:00

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:

42000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	VSOW 5%O 95%W	0.842
185.00	GWCO 30%G 45%O 25%W	2.595
310.00	GOMCW 30%G 20%O 30%W 20%M	4.348
540.00	GOWCM 35%G 10%O 20%W 35%M	7.575
60.00	OS Mud	0.842
0.00	GTS	0.000

Total Length: 1155.00 ft

Total Volume: 16.202 bbl

Num Fluid Samples: 0

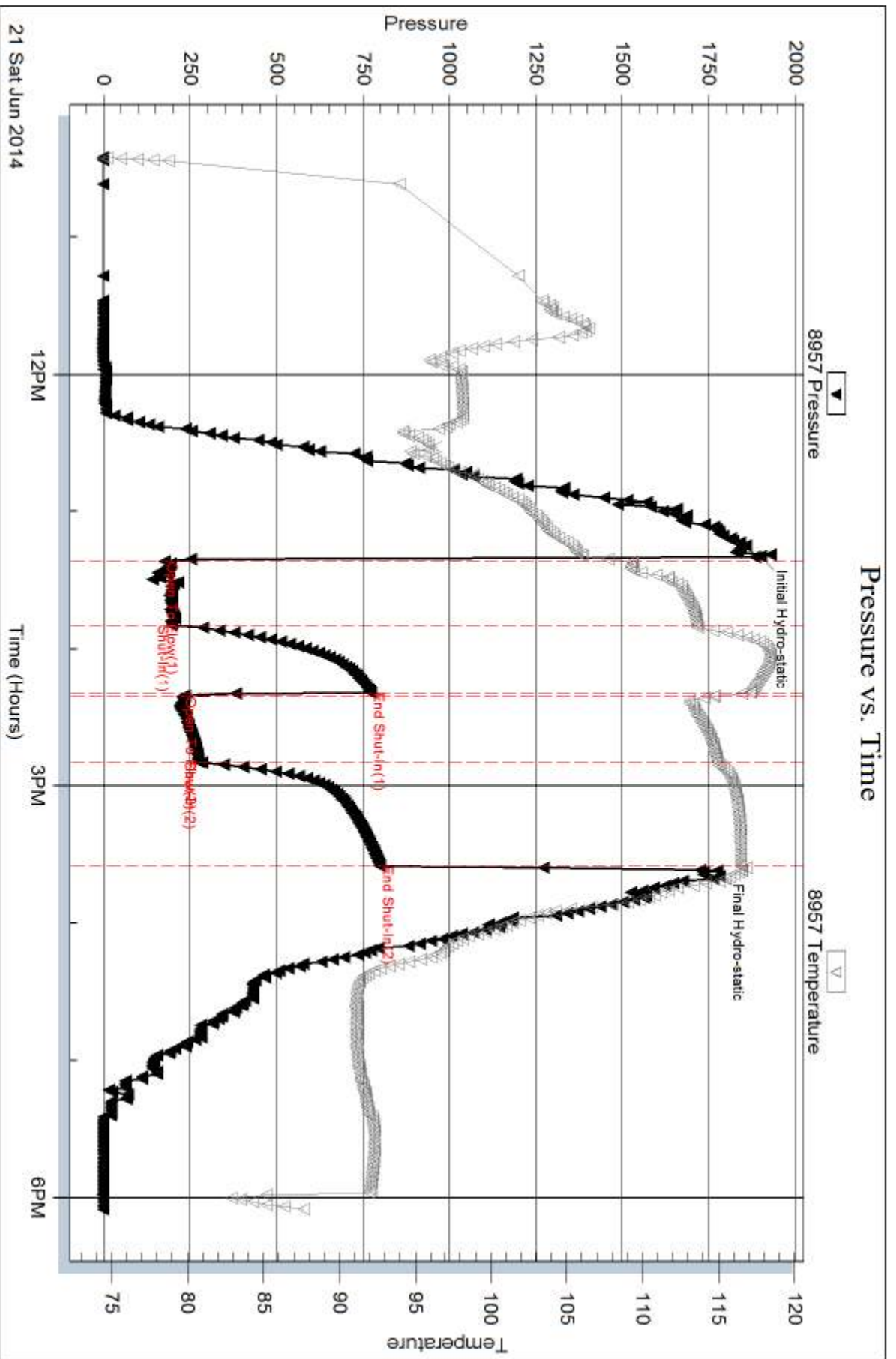
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



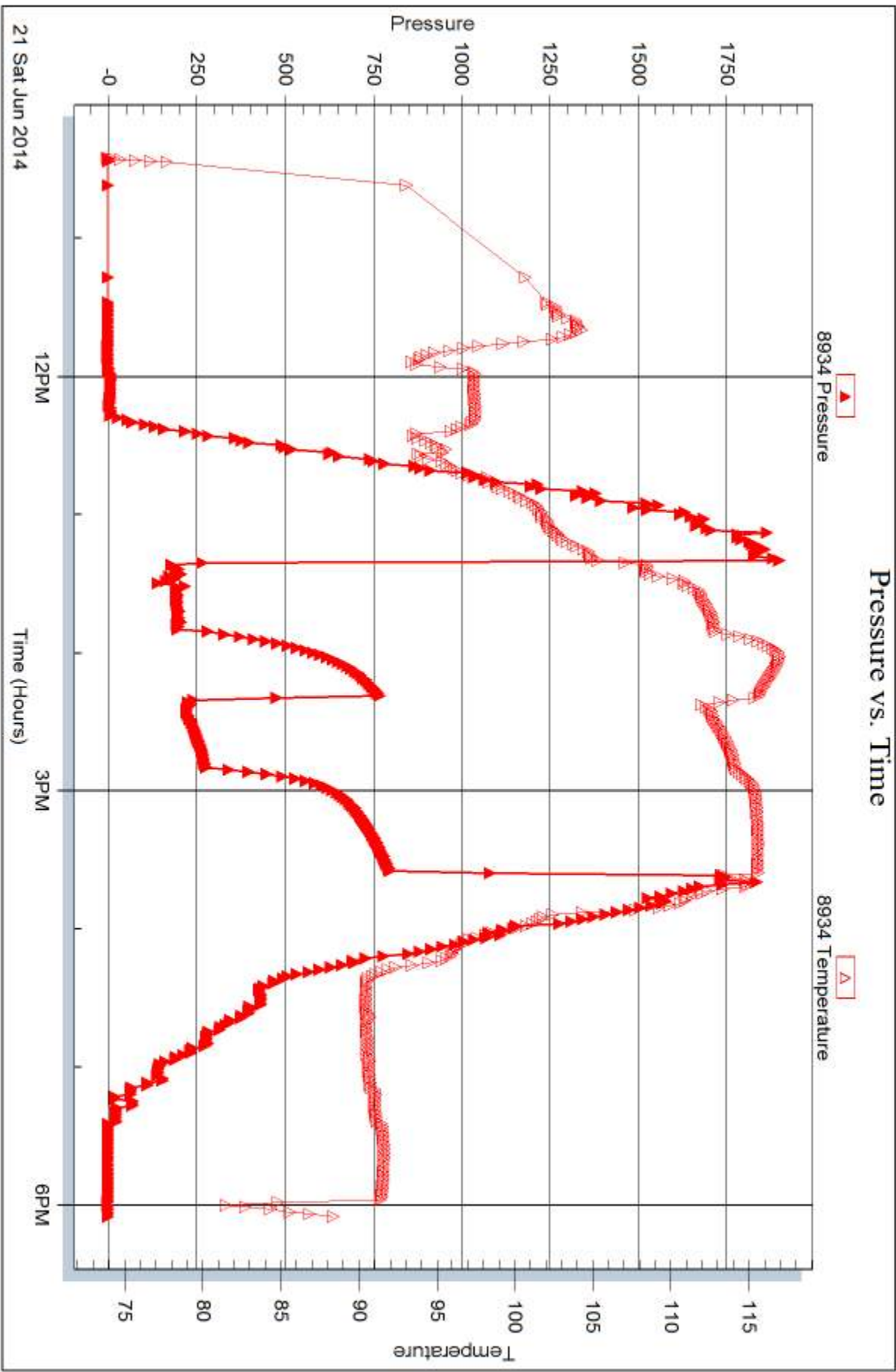
Serial #: 8934

Inside

Charter Energy, Inc.

Deckert #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59401

Printed: 2014.06.24 @ 13:51:28



DRILL STEM TEST REPORT

Prepared For: **Charter Energy, Inc.**

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Deckert #1

18-20s-15w Barton,KS

Start Date: 2014.06.21 @ 22:50:00

End Date: 2014.06.22 @ 04:58:15

Job Ticket #: 59402 DST #: 2

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

Printed: 2014.06.24 @ 13:51:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy, Inc.
 PO Box 252
 Great Bend KS 67530
 ATTN: Jim Musgrove

18-20s-15w Barton, KS
Deckert #1
 Job Ticket: 59402 **DST#: 2**
 Test Start: 2014.06.21 @ 22:50:00

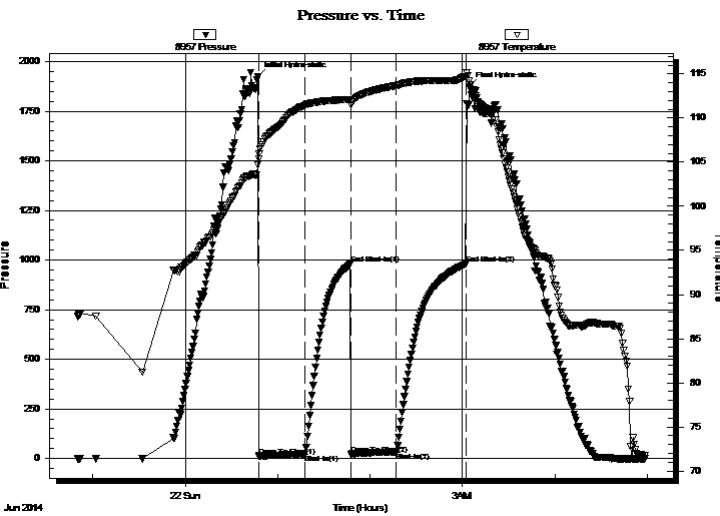
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:48:00
 Time Test Ended: 04:58:15
 Interval: **3816.00 ft (KB) To 3825.00 ft (KB) (TVD)**
 Total Depth: 3825.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2099.00 ft (KB)
 2092.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8957 Outside

Press@RunDepth: 33.08 psig @ 3817.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.21 End Date: 2014.06.22 Last Calib.: 2014.06.22
 Start Time: 22:50:05 End Time: 04:58:14 Time On Btm: 2014.06.22 @ 00:47:00
 Time Off Btm: 2014.06.22 @ 03:04:30

TEST COMMENT: IF-BOB in 15 sec
 IS-No blow
 FF-BOB in 15 sec
 FS-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.19	104.71	Initial Hydro-static
1	11.02	105.92	Open To Flow (1)
31	20.65	111.43	Shut-In(1)
61	978.06	112.09	End Shut-In(1)
61	20.05	111.53	Open To Flow (2)
90	33.08	113.67	Shut-In(2)
135	979.92	114.70	End Shut-In(2)
138	1875.17	113.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VSGOWCM 5%G 5%W 2%O 88%M	0.87
0.00	1800ft 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

Charter Energy, Inc.
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

18-20s-15w Barton,KS
Deckert #1
Job Ticket: 59402 **DST#: 2**
Test Start: 2014.06.21 @ 22:50:00

Tool Information

Drill Pipe:	Length: 3801.00 ft	Diameter: 3.80 inches	Volume: 53.32 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	63000.00 lb
			<u>Total Volume: 53.32 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3816.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	29.00 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			3801.00	
Hydraulic tool	5.00			3806.00	
Packer	5.00			3811.00	20.00 Bottom Of Top Packer
Packer	5.00			3816.00	
Stubb	1.00			3817.00	
Recorder	0.00	8934	Inside	3817.00	
Recorder	0.00	8957	Outside	3817.00	
Perforations	5.00			3822.00	
Bullnose	3.00			3825.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.

18-20s-15w Barton, KS

PO Box 252
Great Bend KS 67530

Deckert #1

Job Ticket: 59402

DST#: 2

ATTN: Jim Musgrove

Test Start: 2014.06.21 @ 22:50:00

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: 11.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	VSGOWCM 5%G 5%W 2%O 88%M	0.870
0.00	1800ft GIP	0.000

Total Length: 62.00 ft Total Volume: 0.870 bbl

Num Fluid Samples: 0

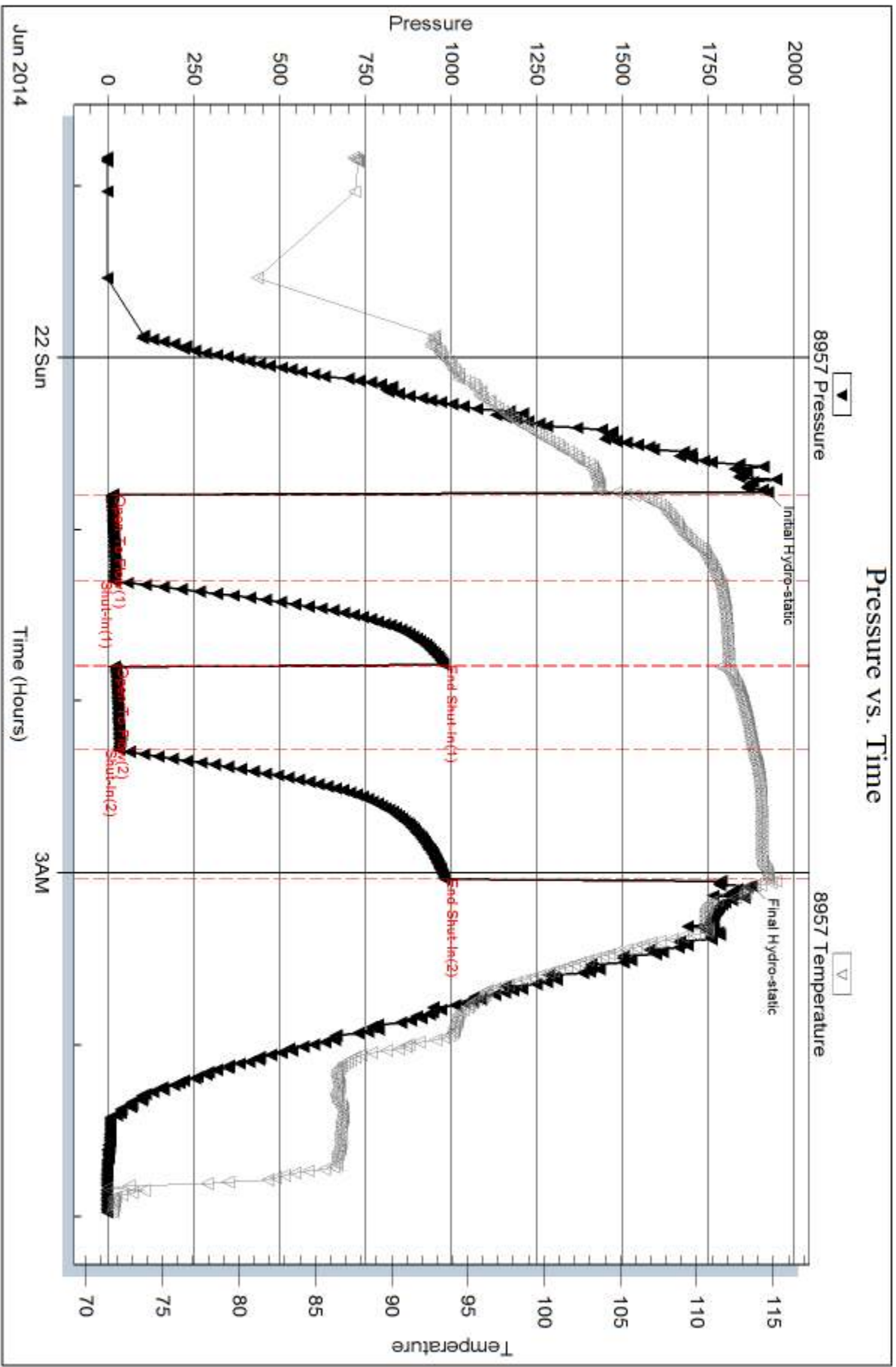
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



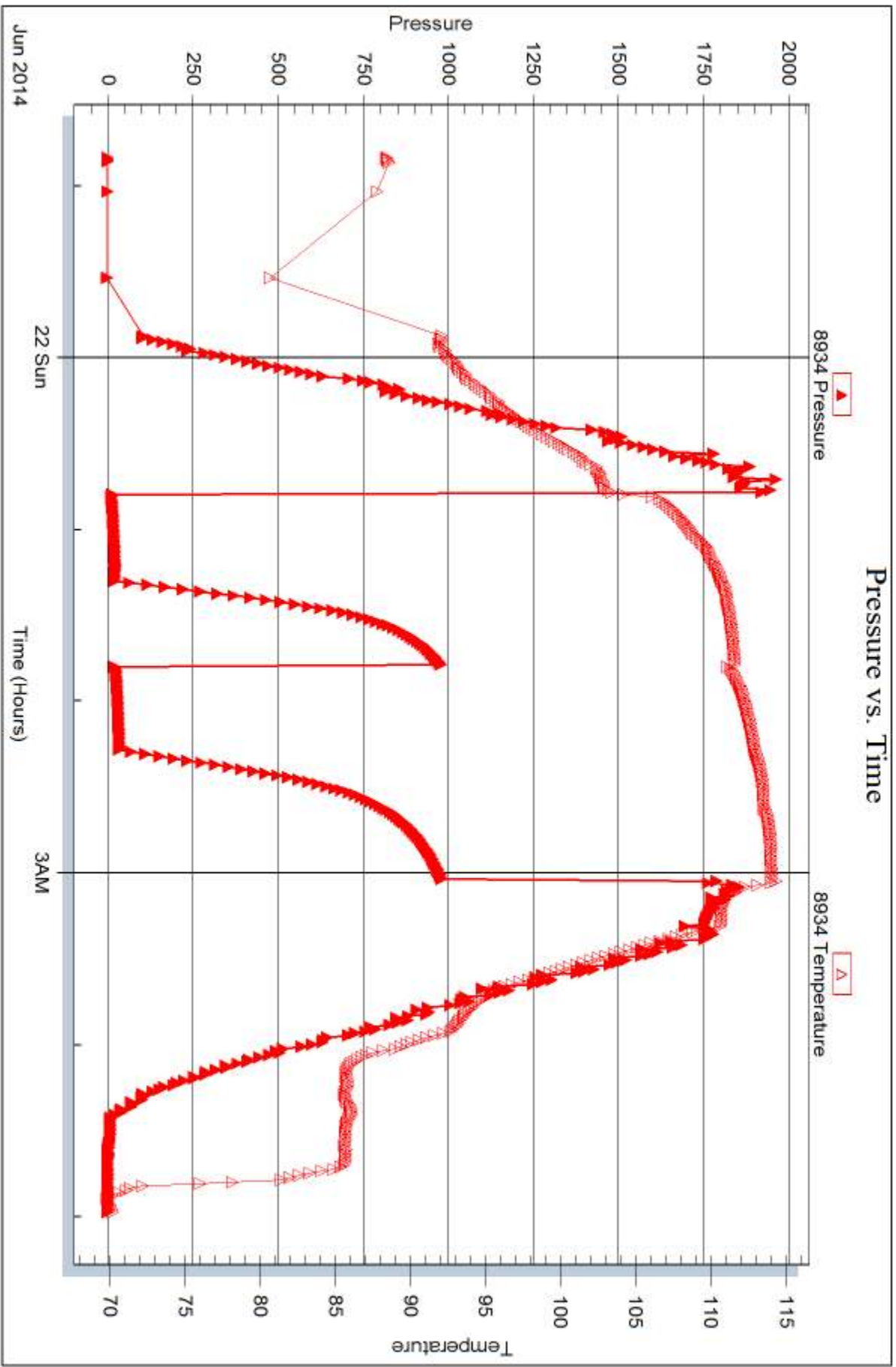
Serial #: 8934

Inside

Charter Energy, Inc.

Deckert #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 59402

Printed: 2014.06.24 @ 13:51:05



DRILL STEM TEST REPORT

Prepared For: **Charter Energy, Inc.**

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Deckert #1

18-20s-15w Barton,KS

Start Date: 2014.06.22 @ 10:20:00

End Date: 2014.06.22 @ 17:50:45

Job Ticket #: 59403 DST #: 3

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

Printed: 2014.06.24 @ 13:50:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy, Inc.
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

18-20s-15w Barton, KS

Deckert #1

Job Ticket: 59403

DST#: 3

Test Start: 2014.06.22 @ 10:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:13:00
 Time Test Ended: 17:50:45
 Interval: **3826.00 ft (KB) To 3845.00 ft (KB) (TVD)**
 Total Depth: 3845.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2099.00 ft (KB)
 2092.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8957

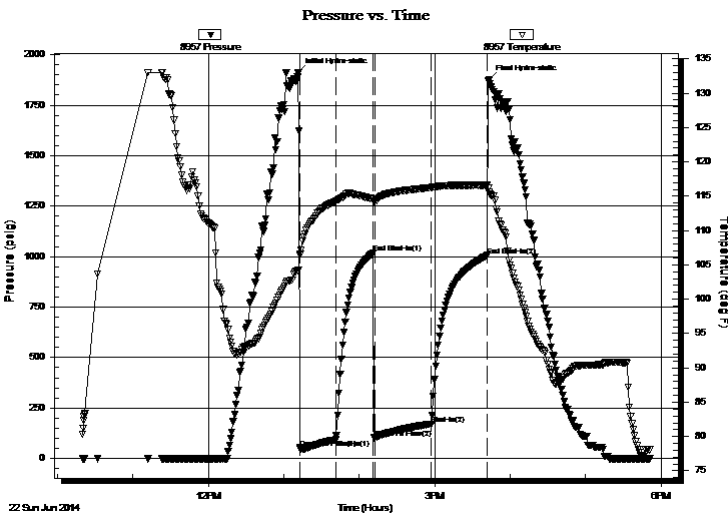
Outside

Press@RunDepth: 170.64 psig @ 3827.00 ft (KB)
 Start Date: 2014.06.22 End Date: 2014.06.22
 Start Time: 10:20:05 End Time: 17:50:44

Capacity: 8000.00 psig
 Last Calib.: 2014.06.22
 Time On Btm: 2014.06.22 @ 13:11:30
 Time Off Btm: 2014.06.22 @ 15:43:15

TEST COMMENT: IF-BOB in 30 sec
 IS-8" blow
 FF-BOB in 3 min
 FS-BOB in 12 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.06	104.19	Initial Hydro-static
2	49.14	106.57	Open To Flow (1)
30	92.37	114.25	Shut-In(1)
60	1017.34	114.63	End Shut-In(1)
61	101.57	114.33	Open To Flow (2)
106	170.64	116.25	Shut-In(2)
151	1005.71	116.57	End Shut-In(2)
152	1875.23	115.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water	1.68
120.00	VSOw 2%O 98%W	1.68
120.00	VSGWOCM 5%G 25%O 10%W 60%M	1.68
0.00	GTS	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

Charter Energy, Inc.

18-20s-15w Barton, KS

PO Box 252
Great Bend KS 67530

Deckert #1

Job Ticket: 59403

DST#: 3

ATTN: Jim Musgrove

Test Start: 2014.06.22 @ 10:20:00

Tool Information

Drill Pipe:	Length: 3816.00 ft	Diameter: 3.80 inches	Volume: 53.53 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 53.53 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3826.00 ft			Final	60000.00 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
Shut In Tool	5.00			3811.00	
Hydraulic tool	5.00			3816.00	
Packer	5.00			3821.00	20.00 Bottom Of Top Packer
Packer	5.00			3826.00	
Stubb	1.00			3827.00	
Recorder	0.00	8934	Inside	3827.00	
Recorder	0.00	8957	Outside	3827.00	
Perforations	15.00			3842.00	
Bullnose	3.00			3845.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

18-20s-15w Barton, KS
Deckert #1
Job Ticket: 59403 **DST#: 3**
Test Start: 2014.06.22 @ 10:20:00

Mud and Cushion Information

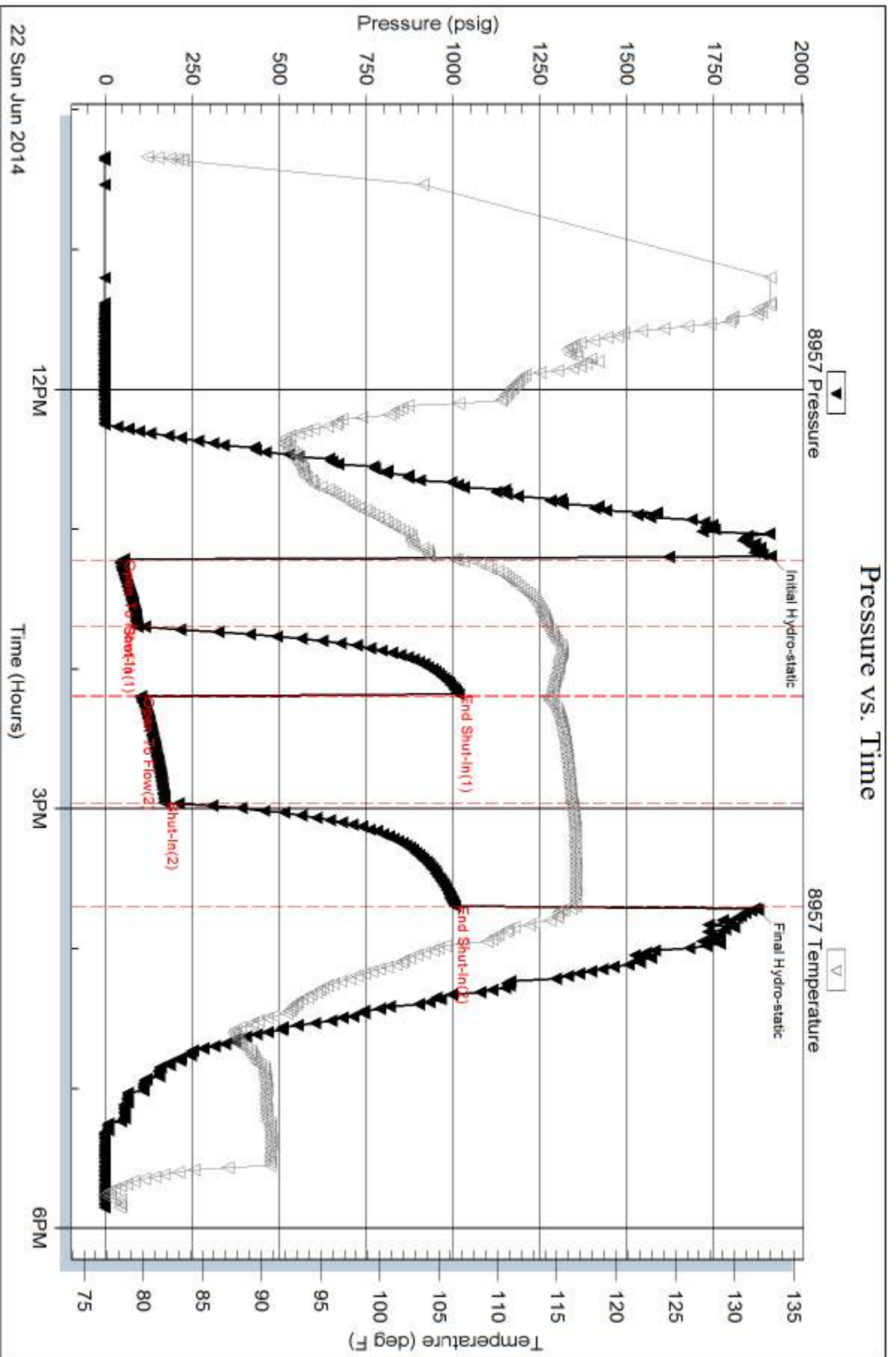
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Water	1.683
120.00	VSOW 2%O 98%W	1.683
120.00	VSGWOCM 5%G 25%O 10%W 60%M	1.683
0.00	GTS	0.000

Total Length: 360.00 ft Total Volume: 5.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



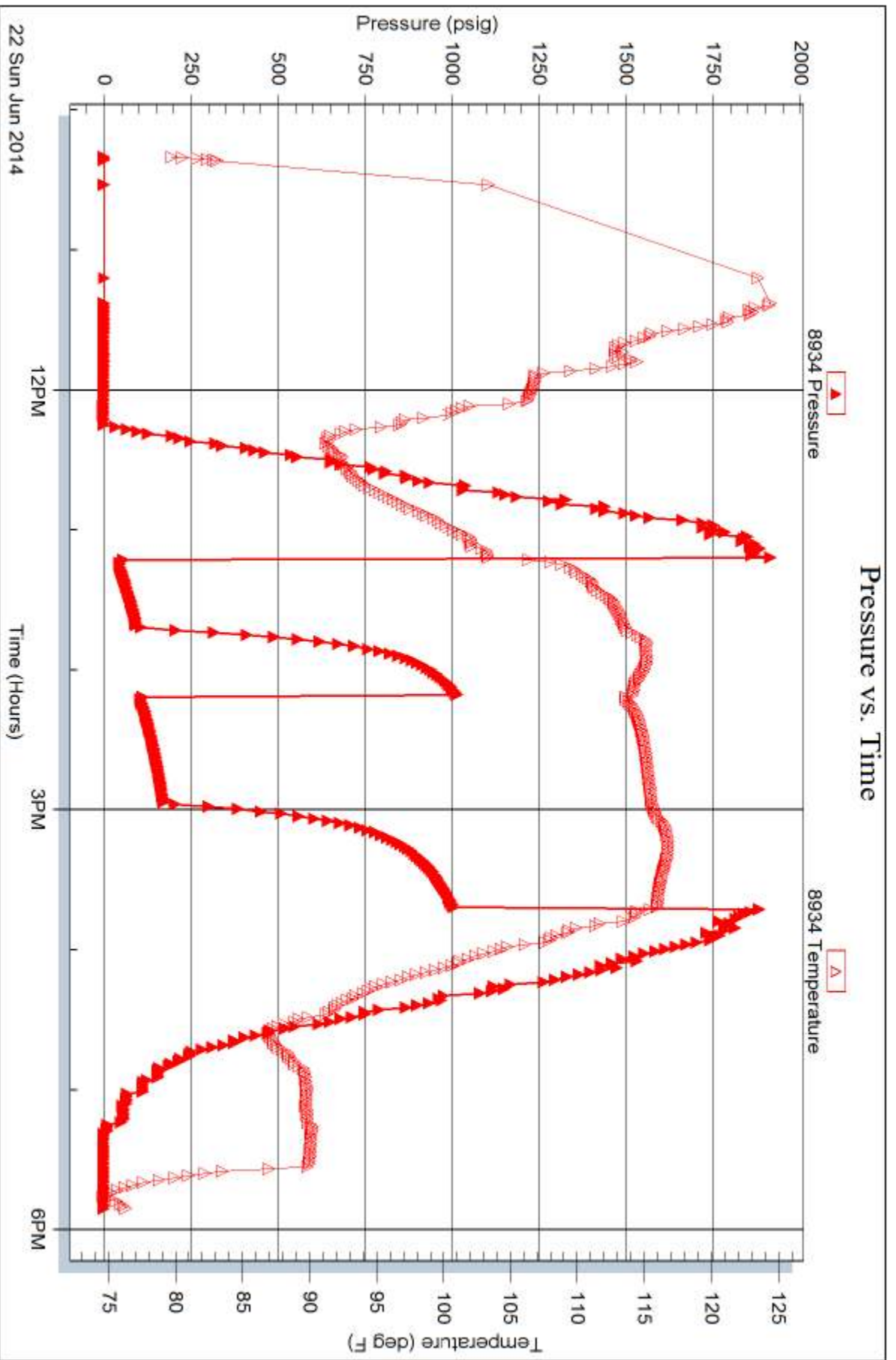
Serial #: 8934

Inside

Charter Energy, Inc.

Deckert #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 59403

Printed: 2014.06.24 @ 13:50:26



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59401

4/10

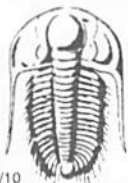
Well Name & No. Decker #1 Test No. 1 Date 6/21/14
 Company Charter Energy, Inc Elevation 2099 KB 2092 GL
 Address PO Box 252 Great bend KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 18 Twp. 20 Rge. 15 Co. Barton State KS

Interval Tested 3755-3810 Zone Tested Arbuckle
 Anchor Length 55 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 3750 Drill Collars Run — Vis 49
 Bottom Packer Depth 3755 Wt. Pipe Run — WL 11.2
 Total Depth 3810 Chlorides 9,800 ppm System LCM —
 Blow Description IF-BOB in 15 sec 675 in 8 min
ISI-BOB in 30 sec
FF-BOB Immediately
PSI-BOB in 30 sec

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>vsow</u>		<u>5</u>	<u>95</u>	
<u>185</u>	<u>GWCO</u>	<u>30</u>	<u>45</u>	<u>25</u>	
<u>310</u>	<u>GOWCW</u>	<u>30</u>	<u>20</u>	<u>30</u>	<u>20</u>
<u>340</u>	<u>GOWCM</u>	<u>35</u>	<u>10</u>	<u>20</u>	<u>35</u>
<u>#60</u>	<u>OS Mud</u>	<u>675</u>			
Rec Total	<u>1155</u> BHT	Gravity	API RW <u>18</u> @ <u>70</u> °F	Chlorides <u>42,000</u> ppm	

(A) Initial Hydrostatic 4,899 Test 1150 T-On Location 10:00
 (B) First Initial Flow 175 Jars _____ T-Started 10:25
 (C) First Final Flow 195 Safety Joint _____ T-Open 13:18
 (D) Initial Shut-In 772 Circ Sub _____ T-Pulled 15:33
 (E) Second Initial Flow 228 Hourly Standby _____ T-Out 18:00
 (F) Second Final Flow 274 Mileage 115 RT 178.25 Comments _____
 (G) Final Shut-In 799 Sampler _____
 (H) Final Hydrostatic 4,774 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 1328.25
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1328.25

Approved By _____ Our Representative Brian Decker
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59402

Well Name & No. Deckert #1 Test No. 2 Date 6/21/14
 Company Charter Energy, Inc Elevation 2099 KB 2092 GL
 Address PO Box 252 Greatbend KS 67530
 Co. Rep / Geo. Jim Musgrave Rig Royal #1
 Location: Sec. 18 Twp. 20 Rge. 15 Co. Barton State KS

Interval Tested 3816 - 3825 Zone Tested Arb.
 Anchor Length 9 Drill Pipe Run 3801 Mud Wt. 9.3
 Top Packer Depth 3811 Drill Collars Run — Vis 49
 Bottom Packer Depth 3816 Wt. Pipe Run — WL 11.2
 Total Depth 3825 Chlorides 9,800 ppm System LCM

Blow Description IF - BOB in 15 sec
ISI - No blow
FF - BOB in 15 sec
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>VS GOWCM</u>	<u>5</u>	<u>2</u>	<u>5</u>	<u>88</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>1800 FT GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 62 BHT 115 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1922 Test 1150 T-On Location 22:50
 (B) First Initial Flow 11 Jars _____ T-Started 22:50
 (C) First Final Flow 21 Safety Joint _____ T-Open 00:47
 (D) Initial Shut-In 978 Circ Sub _____ T-Pulled 3:02
 (E) Second Initial Flow 20 Hourly Standby _____ T-Out 4:58
 (F) Second Final Flow 33 Mileage 115 FT 178.25 Comments _____
 (G) Final Shut-In 980 Sampler _____
 (H) Final Hydrostatic 1875 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 1328.25
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45
 Sub Total 1328.25

Approved By _____ Our Representative Brett Dulin
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59403

Well Name & No. Peckert #1 Test No. 3 Date 6/22/14
 Company Charter Energy, Inc Elevation 2099 KB 2092 GL
 Address PO Box 252 Greatbend KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 18 Twp. 20 Rge. 15 Co. Barton State KS

Interval Tested 3826-3845 Zone Tested Arb
 Anchor Length 19 Drill Pipe Run _____ Mud Wt. 9.1
 Top Packer Depth 3821 Drill Collars Run _____ Vis 49
 Bottom Packer Depth 3826 Wt. Pipe Run _____ WL 12.0
 Total Depth 3845 Chlorides 10,800 ppm System LCM 1#
 Blow Description IF - BOB in 30 sec GTS in 20 min
IST - 8 in blow
FP - BOB in 3 min
FSI - BOB in 12 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>VSGWOCM</u>	<u>5</u>	<u>25</u>	<u>10</u>	<u>60</u>
<u>120</u>	<u>VSOW</u>		<u>2</u>	<u>98</u>	
<u>120</u>	<u>water</u>				
	<u>GTS</u>				

Rec Total 360 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,912 Test 1150 T-On Location 10:20
 (B) First Initial Flow 49 Jars _____ T-Started 10:20
 (C) First Final Flow 92 Safety Joint _____ T-Open 13:10
 (D) Initial Shut-In 6017 Circ Sub _____ T-Pulled 15:40
 (E) Second Initial Flow 102 Hourly Standby _____ T-Out 17:50
 (F) Second Final Flow 171 Mileage 115 rT 178.25 Comments _____
 (G) Final Shut-In 1,066 Sampler _____
 (H) Final Hydrostatic 1,825 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1328.25
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1328.25

Approved By _____ Our Representative Burt [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.