



DRILL STEM TEST REPORT

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

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbott

Concept #1

32- 22s-14w Stafford,KS

Start Date: 2013.11.25 @ 01:50:31

End Date: 2013.11.25 @ 10:16:31

Job Ticket #: 55426 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.04 @ 13:58:18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy, Inc.
 PO Box 252
 Great Bend, KS 67530
 ATTN: Kurt Talbott

32- 22s-14w Stafford,KS

Concept #1

Job Ticket: 55426 **DST#: 1**
 Test Start: 2013.11.25 @ 01:50:31

GENERAL INFORMATION:

Formation: **LKC 'H'**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:29:31
 Tester: Brannan L
 Time Test Ended: 10:16:31
 Unit No: 67
 Interval: **3655.00 ft (KB) To 3674.00 ft (KB) (TVD)**
 Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3674.00 ft (KB) (TVD) 1957.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

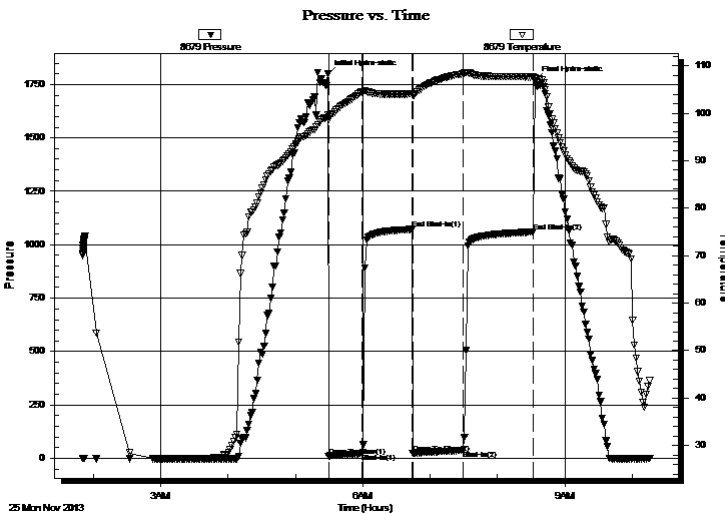
Serial #: 8679

Inside

Press@RunDepth: 37.98 psig @ 3670.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.25 End Date: 2013.11.25 Last Calib.: 2013.11.11
 Start Time: 01:50:32 End Time: 10:16:31 Time On Btm: 2013.11.25 @ 05:29:01
 Time Off Btm: 2013.11.25 @ 08:33:31

TEST COMMENT: 30- IF- Built to 5"
 45- IS- Very weak surface blow
 45- FF- Slowly built to 5"
 60- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1798.21	99.62	Initial Hydro-static
1	9.85	98.58	Open To Flow (1)
31	23.42	104.52	Shut-In(1)
75	1072.47	104.08	End Shut-In(1)
76	23.88	103.71	Open To Flow (2)
120	37.98	108.28	Shut-In(2)
183	1059.91	107.64	End Shut-In(2)
185	1769.63	107.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MW, 85%W	0.20

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: Kurt Talbott

32- 22s-14w Stafford,KS
Concept #1
Job Ticket: 55426 **DST#: 1**
Test Start: 2013.11.25 @ 01:50:31

Tool Information

Drill Pipe:	Length: 3647.00 ft	Diameter: 3.75 inches	Volume: 49.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - 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: 75000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3655.00 ft			Final 69000.00 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			3636.00	
Shut In Tool	5.00			3641.00	
Hydraulic tool	5.00			3646.00	
Packer	4.00			3650.00	20.00 Bottom Of Top Packer
Packer	5.00			3655.00	
Stubb	1.00			3656.00	
Perforations	14.00			3670.00	
Recorder	0.00	6625	Outside	3670.00	
Recorder	0.00	8679	Inside	3670.00	
Bullnose	4.00			3674.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbott

32- 22s-14w Stafford,KS
Concept #1
Job Ticket: 55426 **DST#: 1**
Test Start: 2013.11.25 @ 01:50:31

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: lb/gal	Cushion Length: ft	Water Salinity:	25000 ppm
Viscosity: sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

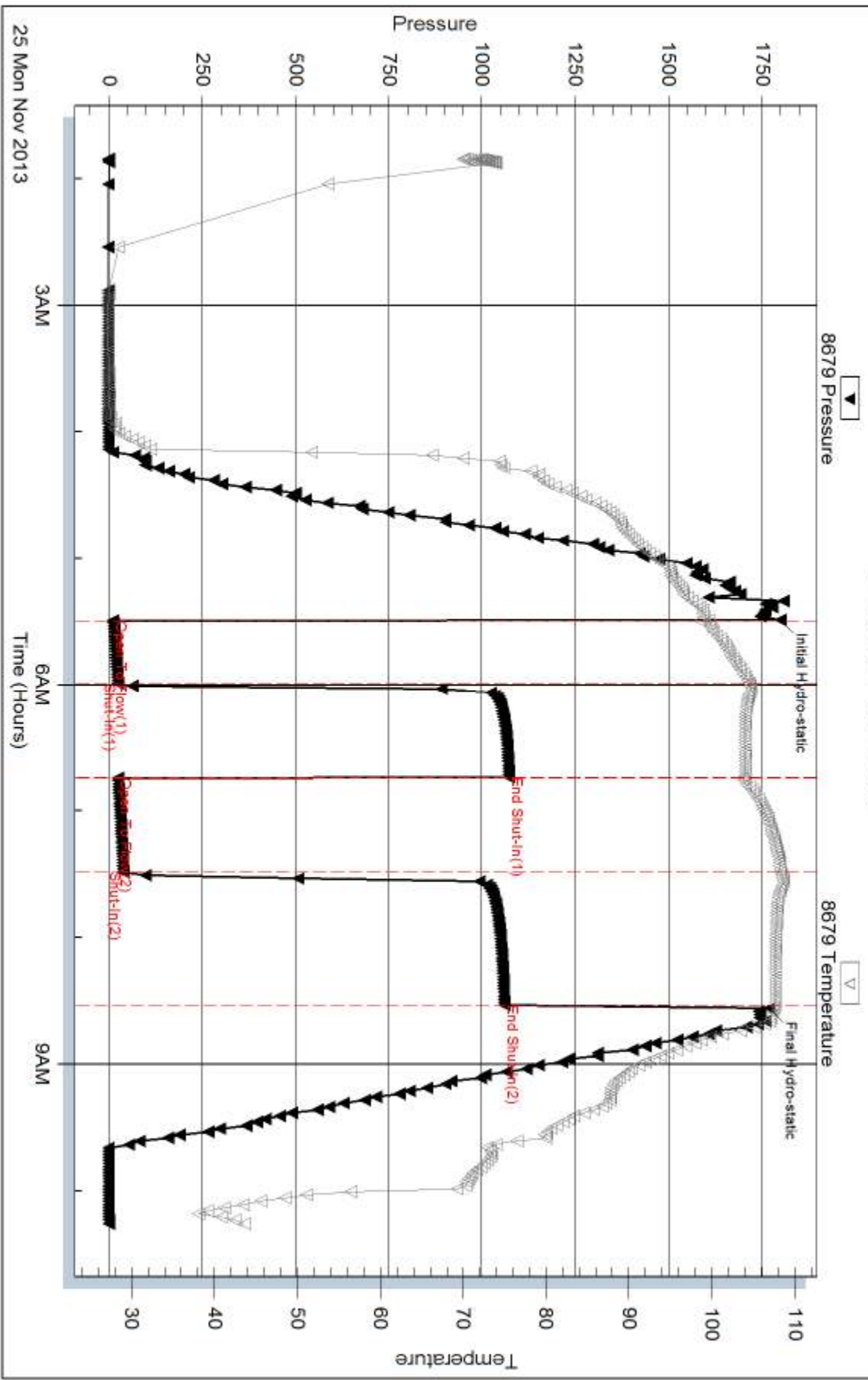
Recovery Information

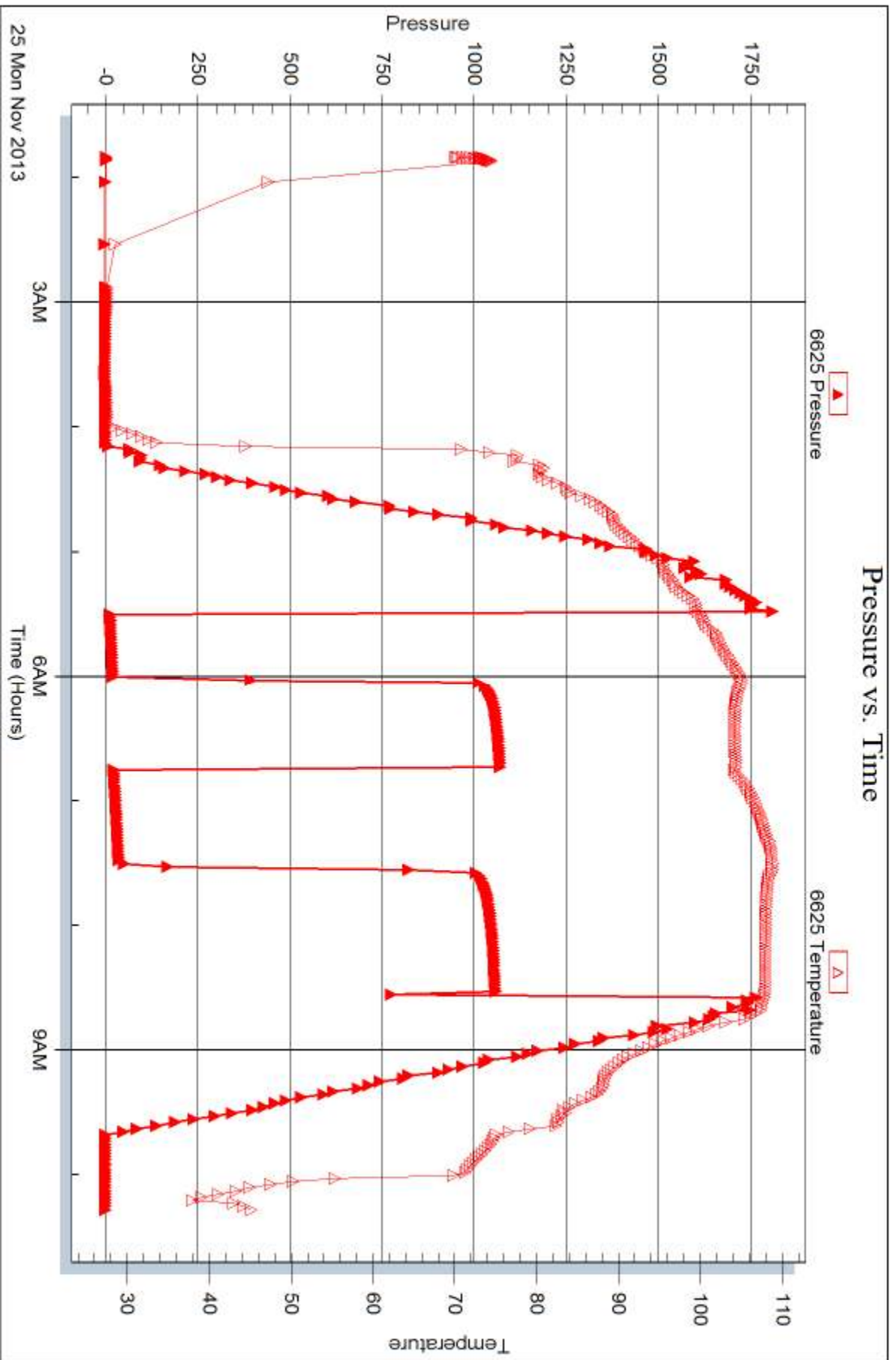
Recovery Table

Length ft	Description	Volume bbl
15.00	MW, 85%W	0.205

Total Length: 15.00 ft Total Volume: 0.205 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

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

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbott

Concept #1

32- 22s-14w Stafford,KS

Start Date: 2013.11.25 @ 17:32:22

End Date: 2013.11.26 @ 00:18:22

Job Ticket #: 55427 DST #: 2

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

Printed: 2013.12.04 @ 13:25:53



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy, Inc.
 PO Box 252
 Great Bend, KS 67530
 ATTN: Kurt Talbott

32- 22s-14w Stafford,KS
Concept #1
 Job Ticket: 55427 **DST#: 2**
 Test Start: 2013.11.25 @ 17:32:22

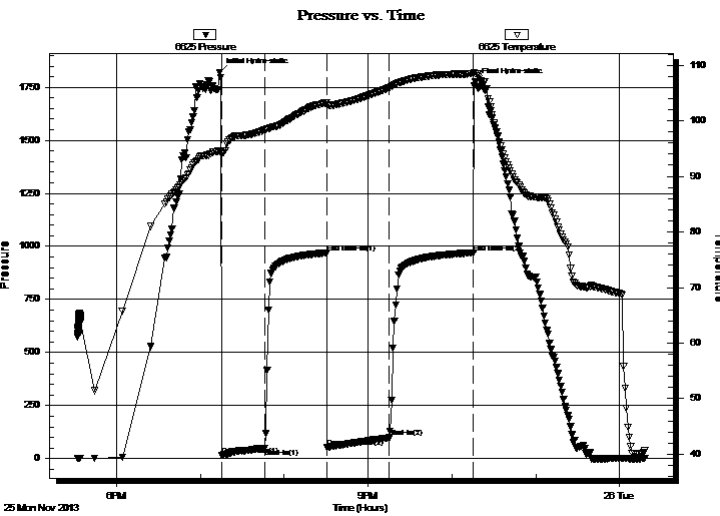
GENERAL INFORMATION:

Formation: **LKC 'I-J'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:15:22
 Time Test Ended: 00:18:22
 Interval: **3676.00 ft (KB) To 3715.00 ft (KB) (TVD)**
 Total Depth: 3674.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan L
 Unit No: 67
 Reference Elevations: 1964.00 ft (KB)
 1957.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6625 Outside

Press@RunDepth: 98.09 psig @ 3710.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.25 End Date: 2013.11.26 Last Calib.: 2013.11.11
 Start Time: 17:32:23 End Time: 00:18:22 Time On Btm: 2013.11.25 @ 19:13:52
 Time Off Btm: 2013.11.25 @ 22:16:52

TEST COMMENT: 30- IF- BOB 23 mins
 45- IS- No blow
 45- FF- BOB 25 mins
 60- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.28	94.45	Initial Hydro-static
2	14.73	94.21	Open To Flow (1)
32	49.64	98.33	Shut-In(1)
77	969.54	103.26	End Shut-In(1)
77	53.01	102.95	Open To Flow (2)
122	98.09	105.94	Shut-In(2)
182	970.25	108.46	End Shut-In(2)
183	1774.50	108.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M	0.82
120.00	MW, 75%W	1.64

* Recovery from multiple tests

Gas Rates

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



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Charter Energy, Inc.
 PO Box 252
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 ATTN: Kurt Talbott

32- 22s-14w Stafford,KS

Concept #1

Job Ticket: 55427 **DST#: 2**

Test Start: 2013.11.25 @ 17:32:22

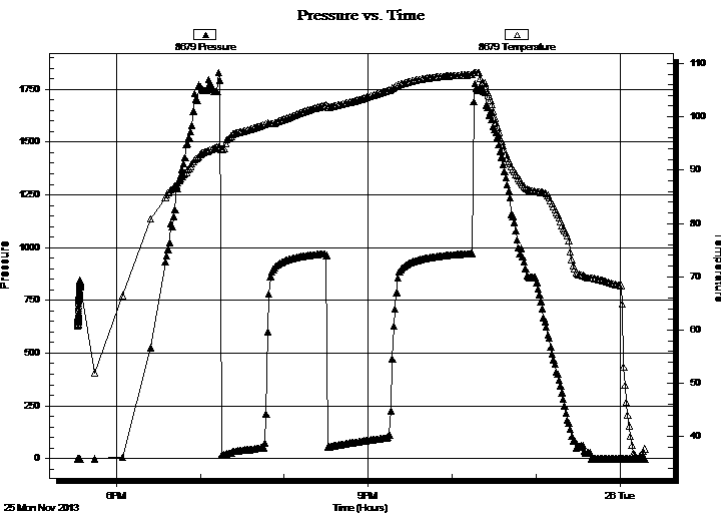
GENERAL INFORMATION:

Formation: **LKC 'I-J'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:15:22
 Time Test Ended: 00:18:22
 Interval: **3676.00 ft (KB) To 3715.00 ft (KB) (TVD)**
 Total Depth: 3674.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan L
 Unit No: 67
 Reference Elevations: 1964.00 ft (KB)
 1957.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8679 Inside

Press@RunDepth: psig @ 3710.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.25 End Date: 2013.11.26 Last Calib.: 2013.11.11
 Start Time: 17:32:35 End Time: 00:17:04 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- BOB 23 mins
 45- IS- No blow
 45- FF- BOB 25 mins
 60- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M	0.82
120.00	MW, 75%W	1.64

* 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: Kurt Talbott

32- 22s-14w Stafford,KS
Concept #1
Job Ticket: 55427 **DST#: 2**
Test Start: 2013.11.25 @ 17:32:22

Tool Information

Drill Pipe:	Length: 3678.00 ft	Diameter: 3.75 inches	Volume: 50.24 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - 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:	76000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	69000.00 lb
Drill Pipe Above KB:	22.00 ft			Final	70000.00 lb
Depth to Top Packer:	3676.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	59.00 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			3657.00	
Shut In Tool	5.00			3662.00	
Hydraulic tool	5.00			3667.00	
Packer	4.00			3671.00	20.00 Bottom Of Top Packer
Packer	5.00			3676.00	
Stubb	1.00			3677.00	
Perforations	1.00			3678.00	
Change Over Sub	1.00			3679.00	
Drill Pipe	31.00			3710.00	
Recorder	0.00	6625	Outside	3710.00	
Recorder	0.00	8679	Inside	3710.00	
Change Over Sub	1.00			3711.00	
Bullnose	4.00			3715.00	39.00 Bottom Packers & Anchor

Total Tool Length: 59.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbott

32- 22s-14w Stafford,KS
Concept #1
Job Ticket: 55427 **DST#: 2**
Test Start: 2013.11.25 @ 17:32:22

Mud and Cushion Information

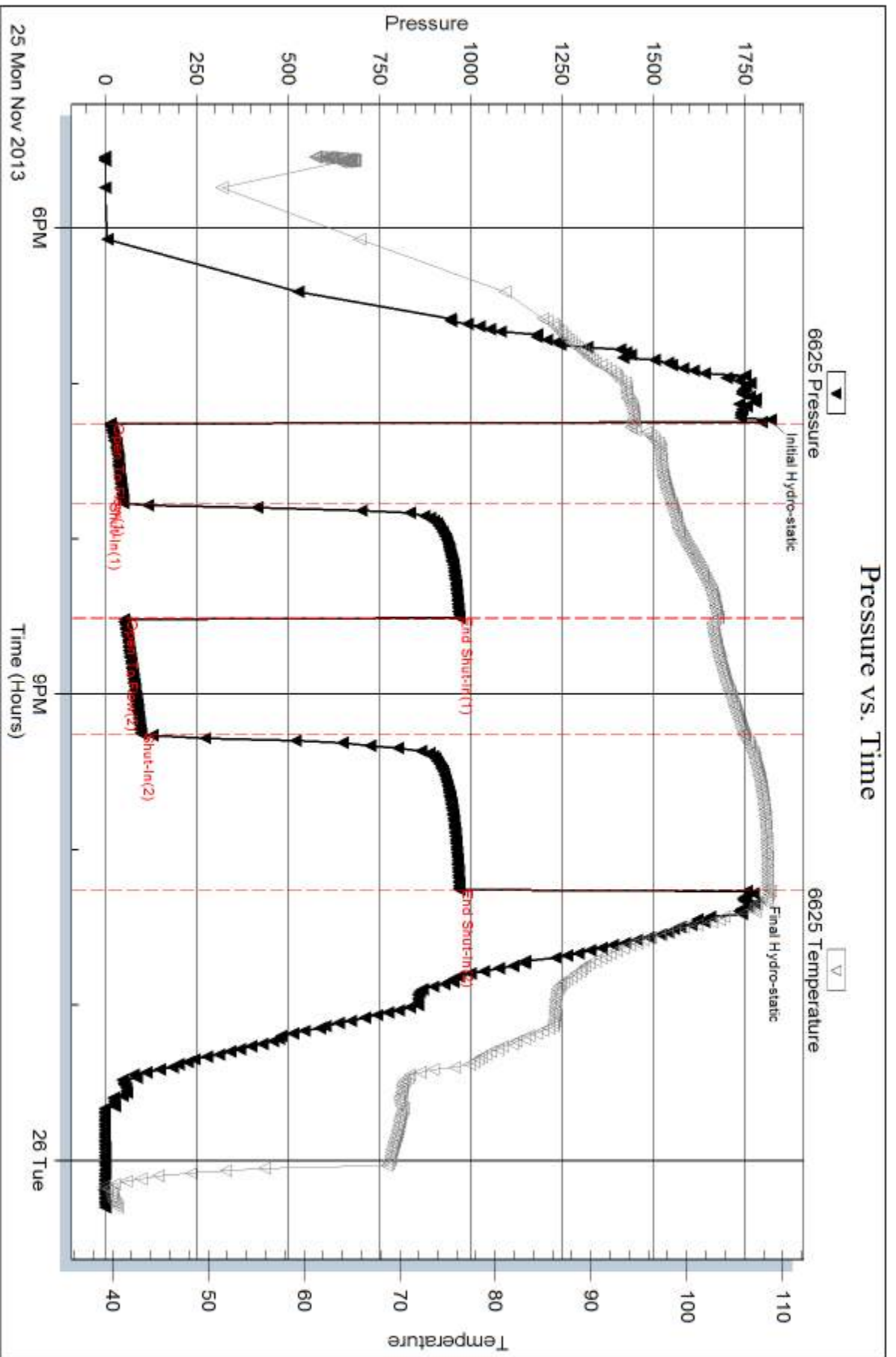
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	23000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	M	0.820
120.00	MW, 75%W	1.639

Total Length: 180.00 ft Total Volume: 2.459 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



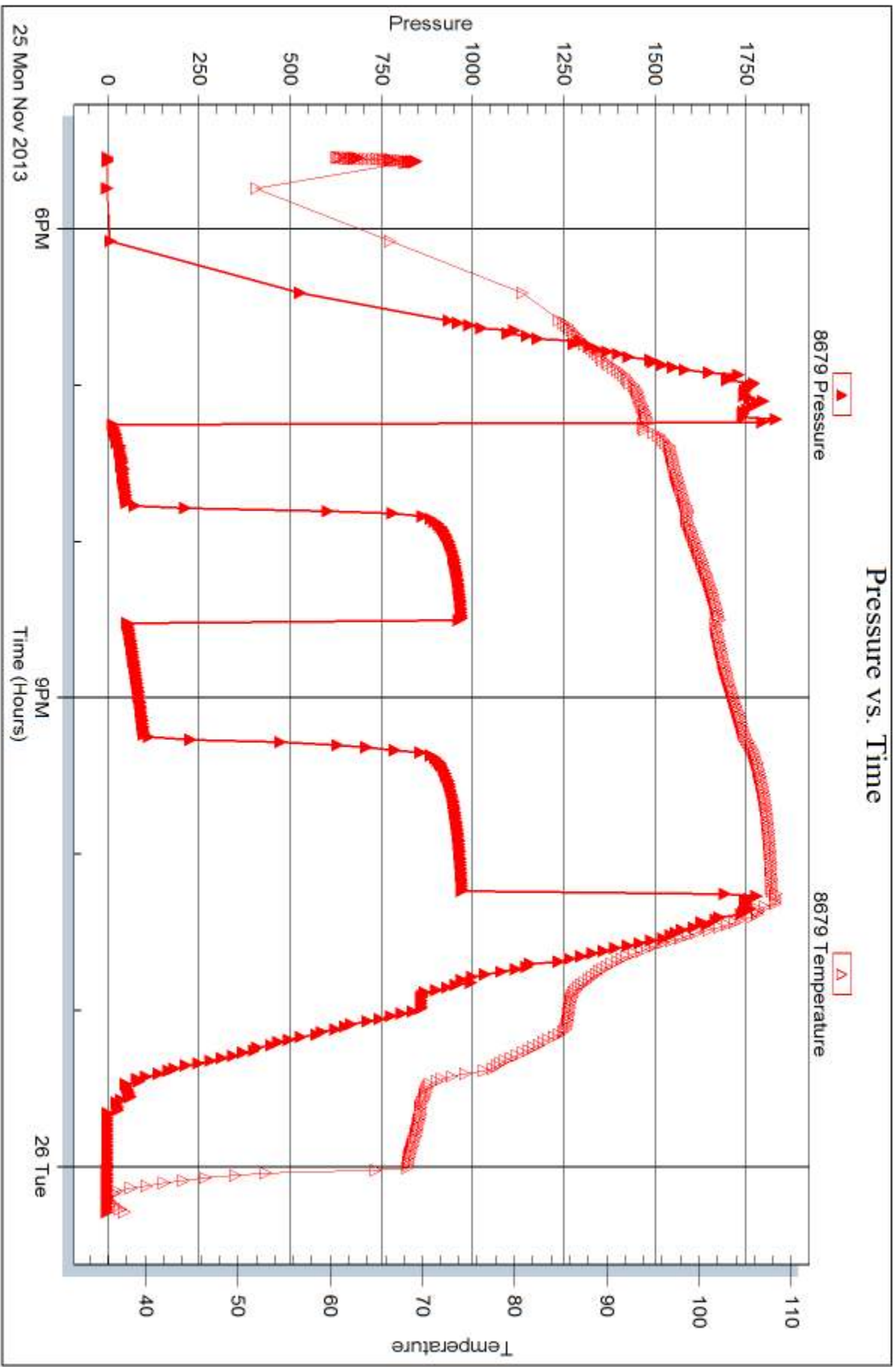
Serial #: 8679

Inside

Charter Energy, Inc.

Concept #1

DST Test Number: 2





DRILL STEM TEST REPORT

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

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbott

Concept #1

32- 22s-14w Stafford,KS

Start Date: 2013.12.01 @ 12:17:16

End Date: 2013.12.01 @ 19:07:01

Job Ticket #: 51901 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.04 @ 13:25:02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy, Inc.
 PO Box 252
 Great Bend, KS 67530
 ATTN: Kurt Talbott

32- 22s-14w Stafford,KS

Concept #1

Job Ticket: 51901

DST#: 3

Test Start: 2013.12.01 @ 12:17:16

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:46:01
 Time Test Ended: 19:07:01
 Interval: **3971.00 ft (KB) To 4013.00 ft (KB) (TVD)**
 Total Depth: 4013.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1964.00 ft (KB)
 1957.00 ft (CF)
 KB to GR/CF: 7.00 ft

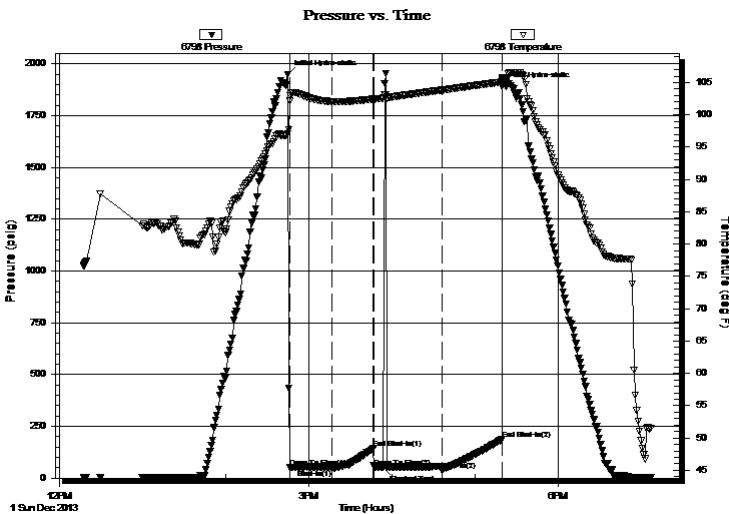
Serial #: 6798

Inside

Press@RunDepth: 39.98 psig @ 3972.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.01 End Date: 2013.12.01 Last Calib.: 2013.12.01
 Start Time: 12:17:17 End Time: 19:07:01 Time On Btm: 2013.12.01 @ 14:44:31
 Time Off Btm: 2013.12.01 @ 17:19:16

TEST COMMENT: IF: Weak Blow , 3 inch Died Off to 1/4 inch by 30 minutes
 IS: No Blow Back
 FF: No Blow , Flushed Tool, Weak Surface Blow
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1947.78	97.11	Initial Hydro-static
2	50.70	102.13	Open To Flow (1)
32	44.80	102.06	Shut-In(1)
62	143.53	102.45	End Shut-In(1)
63	53.96	102.43	Open To Flow (2)
69	54.54	102.61	Flushed Tool
112	39.98	103.82	Shut-In(2)
155	186.67	105.09	End Shut-In(2)
155	1890.52	105.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.96

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy, Inc.
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbott

32- 22s-14w Stafford,KS

Concept #1

Job Ticket: 51901

DST#: 3

Test Start: 2013.12.01 @ 12:17:16

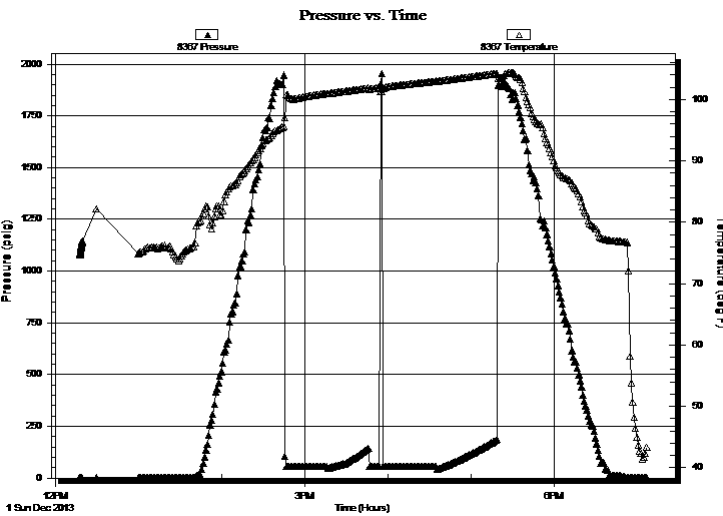
GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:46:01
 Time Test Ended: 19:07:01
 Interval: **3971.00 ft (KB) To 4013.00 ft (KB) (TVD)**
 Total Depth: 4013.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1964.00 ft (KB)
 1957.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 3972.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.01 End Date: 2013.12.01 Last Calib.: 2013.12.01
 Start Time: 12:17:17 End Time: 19:07:01 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak Blow , 3 inch Died Off to 1/4 inch by 30 minutes
 IS: No Blow Back
 FF: No Blow , Flushed Tool, Weak Surface Blow
 FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.96

* 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: Kurt Talbott

32- 22s-14w Stafford,KS
Concept #1
Job Ticket: 51901 **DST#: 3**
Test Start: 2013.12.01 @ 12:17:16

Tool Information

Drill Pipe:	Length: 3963.00 ft	Diameter: 3.75 inches	Volume: 54.14 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - 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:	120000.0 lb
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	78000.00 lb
Depth to Top Packer:	3971.00 ft			Final	78000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	68.00 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			3950.00	
Hydraulic tool	5.00			3955.00	
Jars	5.00			3960.00	
Safety Joint	2.00			3962.00	
Packer	5.00			3967.00	26.00 Bottom Of Top Packer
Packer	4.00			3971.00	
Stubb	1.00			3972.00	
Recorder	0.00	6798	Inside	3972.00	
Recorder	0.00	8367	Outside	3972.00	
Perforations	4.00			3976.00	
Change Over Sub	1.00			3977.00	
Drill Pipe	32.00			4009.00	
Change Over Sub	1.00			4010.00	
Bullnose	3.00			4013.00	42.00 Bottom Packers & Anchor

Total Tool Length: 68.00



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Great Bend, KS 67530
ATTN: Kurt Talbott

32- 22s-14w Stafford,KS
Concept #1
Job Ticket: 51901 **DST#: 3**
Test Start: 2013.12.01 @ 12:17:16

Mud and Cushion Information

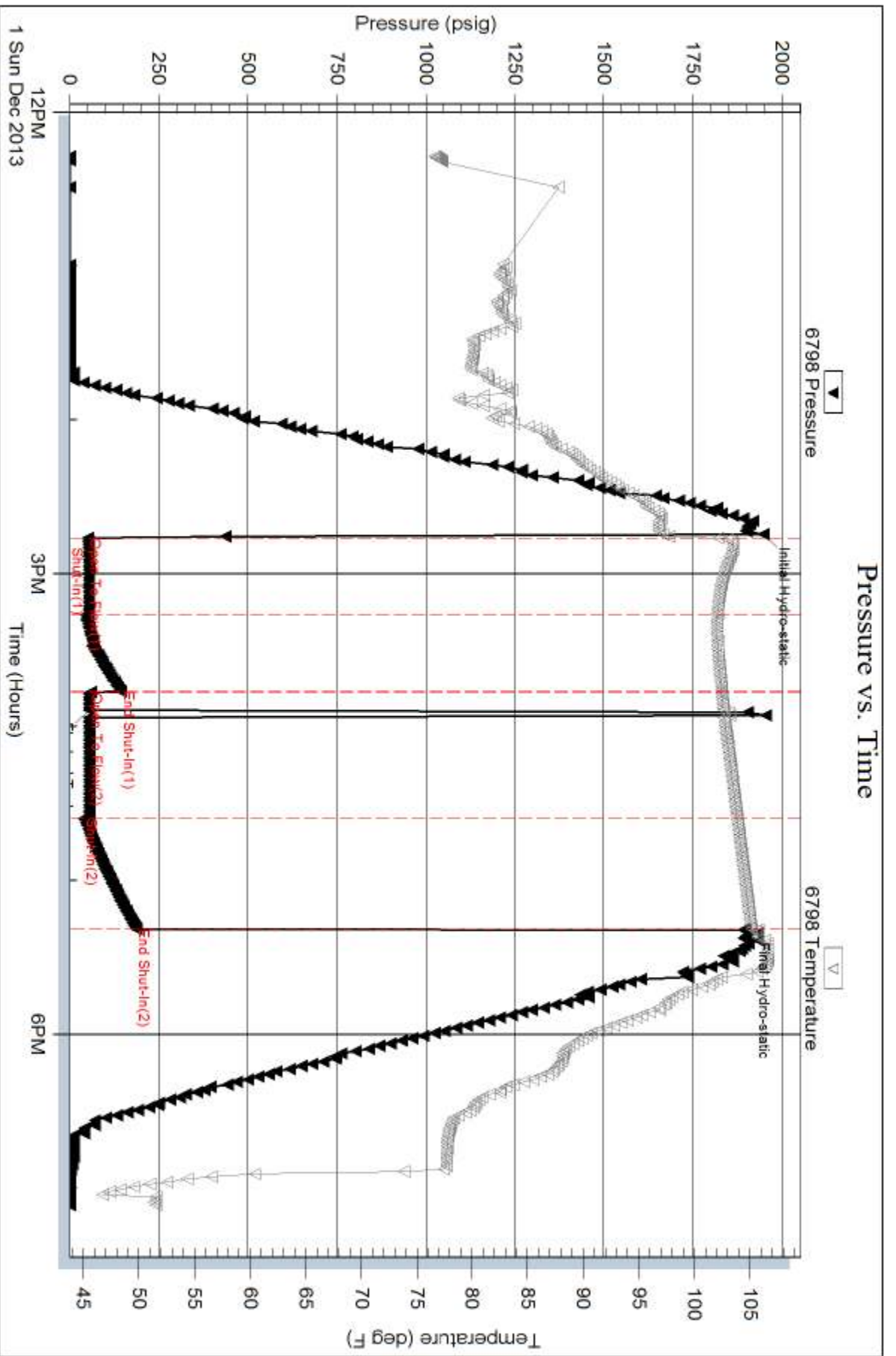
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

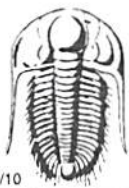
Recovery Table

Length ft	Description	Volume bbl
70.00	Mud	0.956

Total Length: 70.00 ft Total Volume: 0.956 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55426

Well Name & No. Concept #1 Test No. 1 Date 11/25/13
 Company Charter Energy, Inc. Elevation 1957 KB 1964 GL
 Address PO Box 252 Crest Bend, KS 67530
 Co. Rep / Geo. Kurt Talbott Rig Royal #1
 Location: Sec. 32 Twp. 22 S Rge. 14 W Co. Stafford State KS

Interval Tested 3655-3674 Zone Tested Lansing 'H'
 Anchor Length 19' Drill Pipe Run 3677 Mud Wt. _____
 Top Packer Depth 3650 Drill Collars Run _____ Vis _____
 Bottom Packer Depth 3655 Wt. Pipe Run _____ WL _____
 Total Depth 3674 Chlorides _____ ppm System LCM _____

Blow Description IF - Built to 5"
ISI - Very weak surface blow
FF - slowly built to 5"
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>MW</u>		<u>85</u>		<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

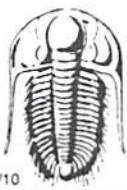
Rec Total 15' BHT 108° Gravity _____ API RW 43 @ 45 °F Chlorides 25000 ppm

(A) Initial Hydrostatic 1798 Test 1150 T-On Location 0128
 (B) First Initial Flow 10 Jars _____ T-Started 0150
 (C) First Final Flow 23 Safety Joint _____ T-Open 0529
 (D) Initial Shut-In 1072 Circ Sub _____ T-Pulled 0829
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 1017
 (F) Second Final Flow 38 Mileage 166 RT Comments _____
 (G) Final Shut-In 1060 Sampler 80rt 124 _____
 (H) Final Hydrostatic 1720 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 45 Day Standby _____ Total 1274
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total 1274

Approved By _____ Our Representative Brannan L

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. 55427

Well Name & No. Concept #1 Test No. 2 Date 11/25/13
 Company Charter Energy, Inc. Elevation 1957 KB 1964 GL
 Address PO Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Kurt Talbott Rig Royal #1
 Location: Sec. 32 Twp. 22s Rge. 14w Co. Stafford State KS

Interval Tested 3676-3715 Zone Tested Lansing 'I-J'
 Anchor Length 39' Drill Pipe Run 3647 Mud Wt. 9.3
 Top Packer Depth 3671 Drill Collars Run --- Vis 52
 Bottom Packer Depth 3676 Wt. Pipe Run --- WL 10.2
 Total Depth 3715 Chlorides 9500 ppm System LCM 1/2#

Blow Description IF- BOB in 23mins
ISI- No blow
FF- BOB in 25mins
FSS- No blow

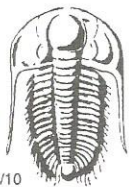
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>M</u>			<u>100</u>	
<u>120</u>	<u>MW</u>			<u>75</u>	<u>25</u>

Rec Total 180' BHT 109° Gravity --- API RW 45 @ 44 °F Chlorides 23000 ppm
 (A) Initial Hydrostatic 1820 Test 1150 T-On Location 1720
 (B) First Initial Flow 15 Jars --- T-Started 1732
 (C) First Final Flow 50 Safety Joint --- T-Open 1915
 (D) Initial Shut-In 970 Circ Sub --- T-Pulled 2215
 (E) Second Initial Flow 53 Hourly Standby --- T-Out 0018
 (F) Second Final Flow 98 Mileage 166 RT 124
 (G) Final Shut-In 970 Sampler ---
 (H) Final Hydrostatic 1775 Straddle ---
 Shale Packer ---
 Ruined Shale Packer ---
 Ruined Packer ---

Initial Open 30 Extra Packer --- Extra Copies ---
 Initial Shut-In 45 Extra Recorder --- Sub Total 0
 Final Flow 45 Day Standby --- Total 1274
 Final Shut-In 60 Accessibility --- MP/DST Disc't ---
 Sub Total 1274

Approved By _____ Our Representative Brannan L

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51901

Well Name & No. Concept 1 Test No. 3 Date 12/01/13
 Company Charter Energy Elevation 1964 KB 1957 GL
 Address PO Box 252 Great Bend KS 67530
 Co. Rep / Geo. Kurt Talbott Rig Royal 1
 Location: Sec. 32 Twp. 22S Rge. 14W Co. Stafford State KS

Interval Tested 3971 - 4013 Zone Tested Simpson
 Anchor Length 42 Drill Pipe Run 3963 Mud Wt. 8.9
 Top Packer Depth 3966 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3971 Wt. Pipe Run 0 WL 10.2
 Total Depth 4013 Chlorides 9500 ppm System LCM 1

Blow Description IF: weak blow, 3 inch died off to 1/4 inch by 30 minutes
ISI: No Blow Back
FF: No Blow, Flushed Tool, weak surface Blow
FSI: No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>Mud</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 70 BHT 105 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic <u>1948</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>11:45</u>
(B) First Initial Flow <u>51</u>	<input type="checkbox"/> Jars	T-Started <u>12:17</u>
(C) First Final Flow <u>45</u>	<input type="checkbox"/> Safety Joint	T-Open <u>14:46</u>
(D) Initial Shut-In <u>144</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>17:19</u>
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>19:07</u>
(F) Second Final Flow <u>40</u>	<input checked="" type="checkbox"/> Mileage <u>100</u> <u>124</u>	Comments
(G) Final Shut-In <u>187</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1891</u>	<input type="checkbox"/> Straddle	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1374</u>
	Sub Total <u>1374</u>	MP/DST Disc't

Approved By Kurt Talbott Our Representative [Signature]

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