



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc.**

PO Box 252
Great Bend KS 67530

ATTN: Kurt Talbott

Blackwell #1

14-22s-15w Pawnee KS

Start Date: 2013.10.07 @ 14:13:40

End Date: 2013.10.07 @ 19:37:10

Job Ticket #: 52360 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.10 @ 15:15:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

14-22s-15w Pawnee KS
Blackwell #1
 Job Ticket: 52360 **DST#: 1**
 Test Start: 2013.10.07 @ 14:13:40

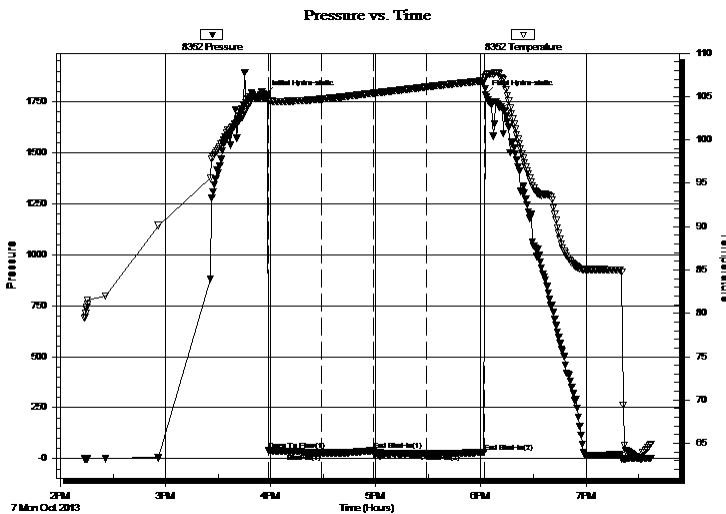
GENERAL INFORMATION:

Formation: **Lans. H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:58:40
 Time Test Ended: 19:37:10
 Interval: **3619.00 ft (KB) To 3650.00 ft (KB) (TVD)**
 Total Depth: 3650.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1974.00 ft (KB)
 1967.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8352 Inside
 Press @ Run Depth: 25.77 psig @ 3620.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.07 End Date: 2013.10.07 Last Calib.: 2013.10.07
 Start Time: 14:13:45 End Time: 19:37:09 Time On Btm: 2013.10.07 @ 15:57:10
 Time Off Btm: 2013.10.07 @ 18:02:40

TEST COMMENT: IF:Weak blow . 1/4".
 IS:No blow .
 FF:Weak blow .(surface) Dead in 15 mins.
 FS:No blow .

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1783.39 | 104.92 | Initial Hydro-static |
| 2 | 41.15 | 104.57 | Open To Flow (1) |
| 32 | 28.49 | 104.71 | Shut-In(1) |
| 62 | 39.36 | 105.40 | End Shut-In(1) |
| 62 | 30.37 | 105.40 | Open To Flow (2) |
| 92 | 25.77 | 106.11 | Shut-In(2) |
| 125 | 31.96 | 106.81 | End Shut-In(2) |
| 126 | 1786.28 | 107.27 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 10.00 | SOCM 3%o 97%m | 0.14 |
| 0.00 | Clean oil @ top of tool | 0.00 |
| | | |
| | | |
| | | |

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

14-22s-15w Pawnee KS
Blackwell #1
Job Ticket: 52360 **DST#: 1**
Test Start: 2013.10.07 @ 14:13:40

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3627.00 ft | Diameter: 3.80 inches | Volume: 50.88 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: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 57000.00 lb |
| | | | <u>Total Volume: 50.88 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 28.00 ft | | | String Weight: Initial 46000.00 lb |
| Depth to Top Packer: | 3619.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 31.00 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 |
|---------------------------|--------------|------------|----------|------------|------------------------------------|
| C.O. Sub | 1.00 | | | 3600.00 | |
| Shut in tool | 5.00 | | | 3605.00 | |
| HMV | 5.00 | | | 3610.00 | |
| Packer | 4.00 | | | 3614.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3619.00 | |
| Stubb | 1.00 | | | 3620.00 | |
| Recorder | 0.00 | 8352 | Inside | 3620.00 | |
| Recorder | 0.00 | 8370 | Outside | 3620.00 | |
| Perforations | 25.00 | | | 3645.00 | |
| Bullnose | 5.00 | | | 3650.00 | 31.00 Bottom Packers & Anchor |
| Total Tool Length: | 51.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

14-22s-15w Pawnee KS
Blackwell #1
Job Ticket: 52360 **DST#: 1**
Test Start: 2013.10.07 @ 14:13:40

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: | 7000 ppm |
| Viscosity: 57.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.37 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 7000.00 ppm | | | |
| Filter Cake: 0.20 inches | | | |

Recovery Information

Recovery Table

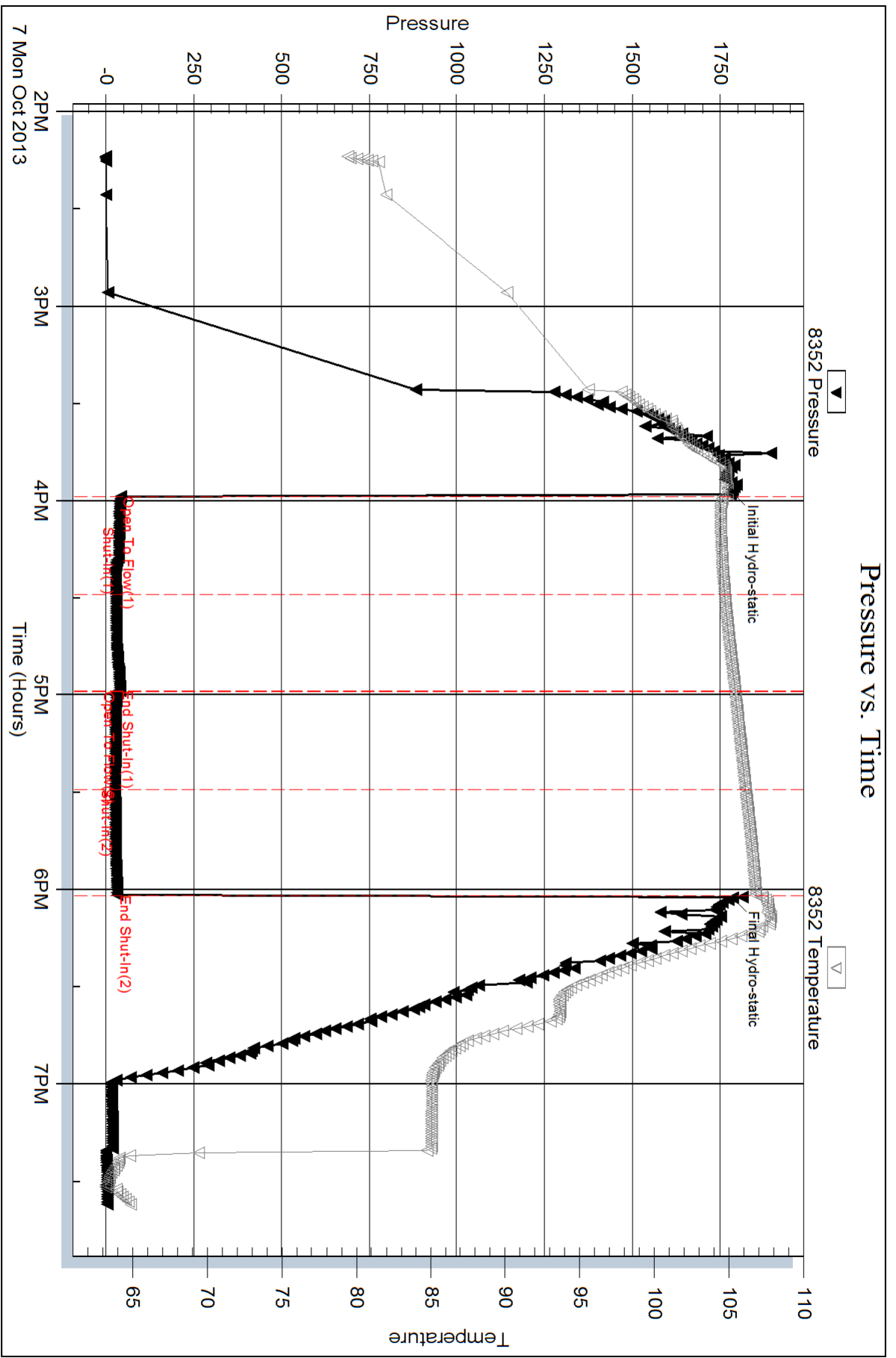
| Length ft | Description | Volume bbl |
|--------------|-------------------------|---------------|
| 10.00 | SOCM 3%o 97%m | 0.140 |
| 0.00 | Clean oil @ top of tool | 0.000 |

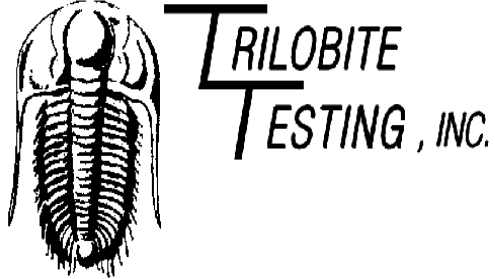
Total Length: 10.00 ft Total Volume: 0.140 bbl

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

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc.**

PO Box 252
Great Bend KS 67530

ATTN: Kurt Talbott

Blackwell #1

14-22s-15w Pawnee KS

Start Date: 2013.10.09 @ 01:56:21

End Date: 2013.10.09 @ 08:44:06

Job Ticket #: 52361 DST #: 2

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

Printed: 2013.10.10 @ 15:15:16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

14-22s-15w Pawnee KS
Blackwell #1
 Job Ticket: 52361 **DST#: 2**
 Test Start: 2013.10.09 @ 01:56:21

GENERAL INFORMATION:

Formation: **Viola /Simpson Sd.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:56:36
 Time Test Ended: 08:44:06
 Interval: **3854.00 ft (KB) To 3953.00 ft (KB) (TVD)**
 Total Depth: 3953.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1974.00 ft (KB)
 1967.00 ft (CF)
 KB to GR/CF: 7.00 ft

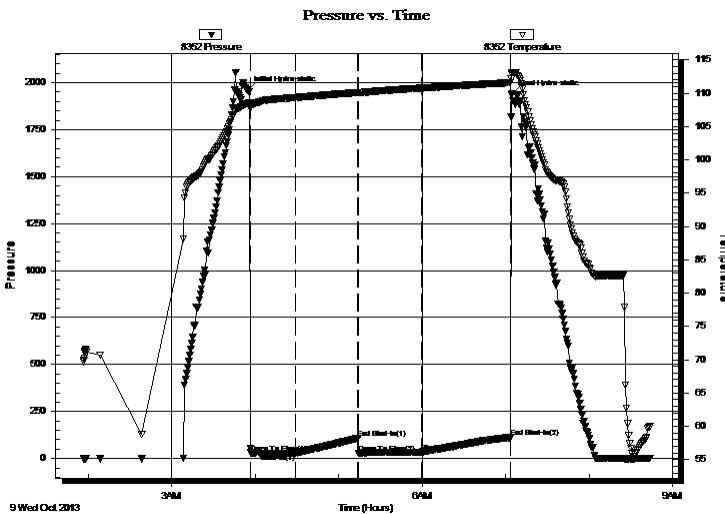
Serial #: 8352

Inside

Press @RunDepth: 34.24 psig @ 3855.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.09 End Date: 2013.10.09 Last Calib.: 2013.10.09
 Start Time: 01:56:26 End Time: 08:44:05 Time On Btm: 2013.10.09 @ 03:54:06
 Time Off Btm: 2013.10.09 @ 07:04:21

TEST COMMENT: IF: Fair to strong blow . b o b in 30 mins.
 IS: No blow .
 FF: Fair blow . Increase to 13 "
 FSI: No blow .

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1956.97 | 108.49 | Initial Hydro-static |
| 3 | 29.42 | 108.19 | Open To Flow (1) |
| 35 | 28.95 | 109.37 | Shut-In(1) |
| 80 | 108.06 | 110.13 | End Shut-In(1) |
| 80 | 27.26 | 110.09 | Open To Flow (2) |
| 126 | 34.24 | 110.79 | Shut-In(2) |
| 190 | 111.13 | 111.60 | End Shut-In(2) |
| 191 | 1935.59 | 113.02 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 0.00 | 335 ft. of GIP | 0.00 |
| 45.00 | GOCM 10%g 28%o 62%m | 0.63 |
| 0.00 | Clean oil@ top of tool | 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.

14-22s-15w Pawnee KS

PO Box 252
Great Bend KS 67530

Blackwell #1

Job Ticket: 52361

DST#: 2

ATTN: Kurt Talbott

Test Start: 2013.10.09 @ 01:56:21

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3846.00 ft | Diameter: 3.80 inches | Volume: 53.95 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: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 63000.00 lb |
| | | | <u>Total Volume: 53.95 bbl</u> | Tool Chased 2.00 ft |
| Drill Pipe Above KB: | 12.00 ft | | | String Weight: Initial 49000.00 lb |
| Depth to Top Packer: | 3854.00 ft | | | Final 50000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 99.00 ft | | | |
| Tool Length: | 119.00 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 | | | 3835.00 | |
| Shut in tool | 5.00 | | | 3840.00 | |
| HMV | 5.00 | | | 3845.00 | |
| Packer | 4.00 | | | 3849.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3854.00 | |
| Stubb | 1.00 | | | 3855.00 | |
| Recorder | 0.00 | 8352 | Inside | 3855.00 | |
| Recorder | 0.00 | 8370 | Outside | 3855.00 | |
| Perforations | 6.00 | | | 3861.00 | |
| Blank Spacing | 63.00 | | | 3924.00 | |
| Perforations | 24.00 | | | 3948.00 | |
| Bullnose | 5.00 | | | 3953.00 | 99.00 Bottom Packers & Anchor |

Total Tool Length: 119.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

14-22s-15w Pawnee KS
Blackwell #1
Job Ticket: 52361 **DST#: 2**
Test Start: 2013.10.09 @ 01:56:21

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: | 7500 ppm |
| Viscosity: 66.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.18 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 7500.00 ppm | | | |
| Filter Cake: 0.20 inches | | | |

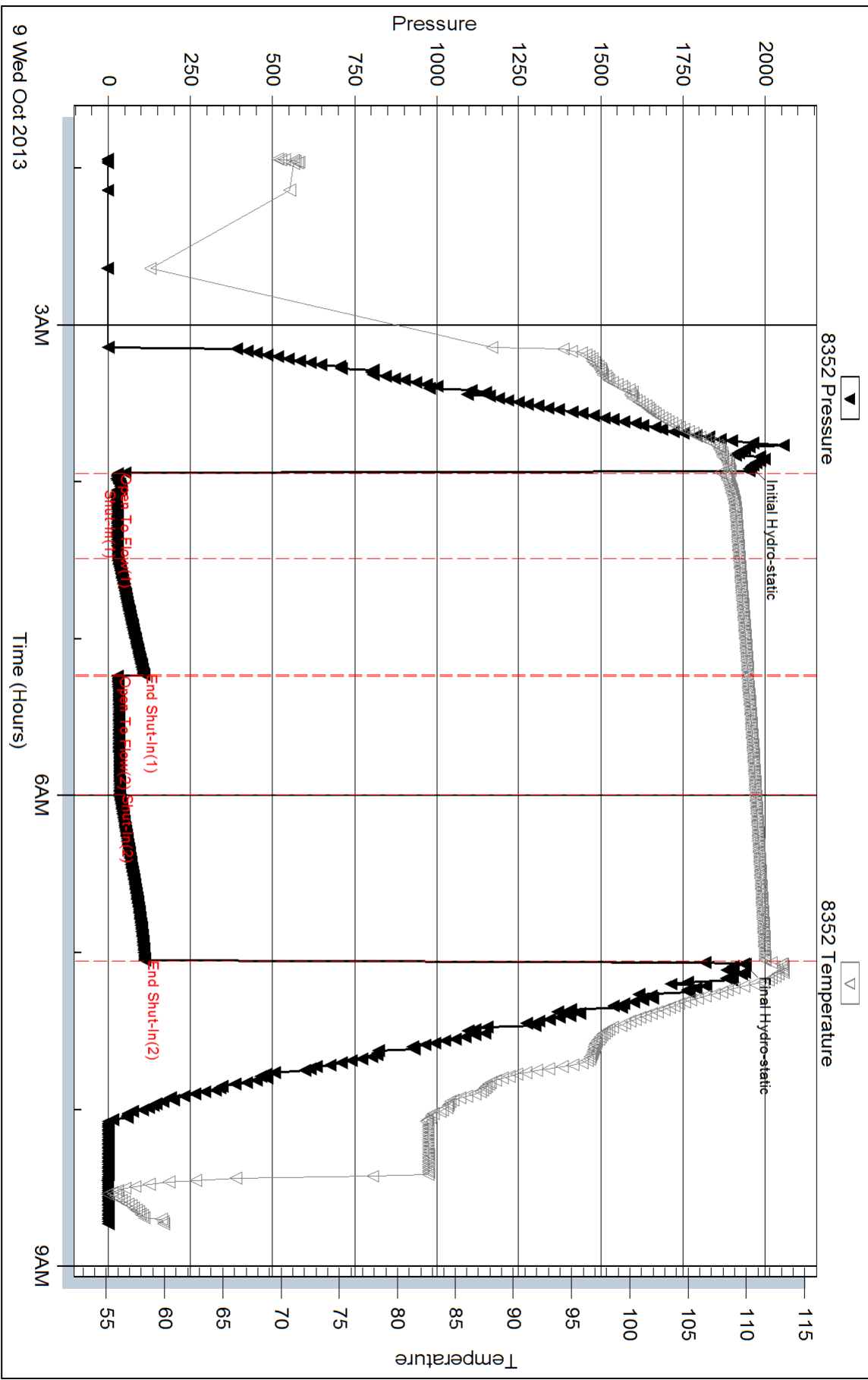
Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------|---------------|
| 0.00 | 335 ft. of GIP | 0.000 |
| 45.00 | GOCM 10%g 28%o 62%m | 0.631 |
| 0.00 | Clean oil@ top of tool | 0.000 |

Total Length: 45.00 ft Total Volume: 0.631 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments: P

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc.**

PO Box 252
Great Bend KS 67530

ATTN: Kurt Talbott

Blackwell #1

14-22s-15w Pawnee KS

Start Date: 2013.10.10 @ 02:19:10

End Date: 2013.10.10 @ 08:38:25

Job Ticket #: 52362 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.10 @ 15:14:39



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

14-22s-15w Pawnee KS
Blackwell #1
 Job Ticket: 52362 **DST#: 3**
 Test Start: 2013.10.10 @ 02:19:10

GENERAL INFORMATION:

Formation: **LKC. I J K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 03:42:25
 Tester: Gary Pevoteaux
 Time Test Ended: 08:38:25
 Unit No: 56
 Interval: **3642.00 ft (KB) To 3730.00 ft (KB) (TVD)**
 Reference Elevations: 1974.00 ft (KB)
 Total Depth: 4038.00 ft (KB) (TVD) 1967.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

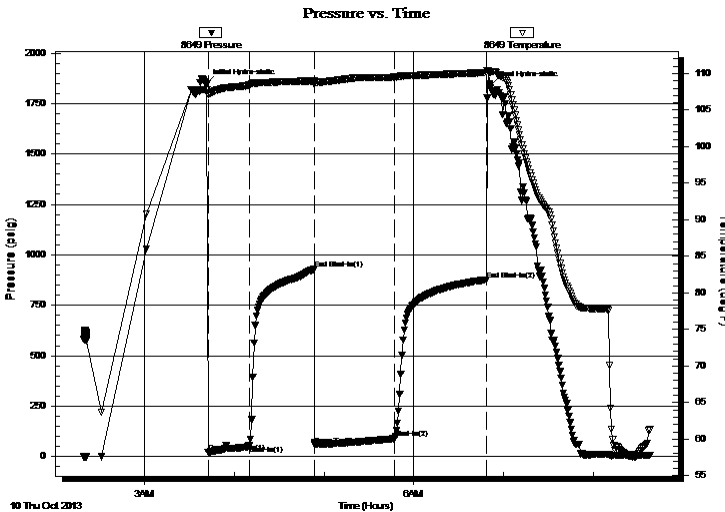
Serial #: 8649

Inside

Press @ Run Depth: 90.63 psig @ 3643.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.10 End Date: 2013.10.10 Last Calib.: 2013.10.10
 Start Time: 02:19:11 End Time: 08:38:25 Time On Btm: 2013.10.10 @ 03:41:40
 Time Off Btm: 2013.10.10 @ 06:51:10

TEST COMMENT: IF:Weak to fair blow . Increase to 6" .
 IS:No blow .
 FF:Weak blow . 1 - 4".
 FS:No blow .

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1848.31 | 107.81 | Initial Hydro-static |
| 1 | 21.56 | 107.14 | Open To Flow (1) |
| 29 | 54.45 | 108.47 | Shut-In(1) |
| 72 | 928.85 | 108.99 | End Shut-In(1) |
| 73 | 58.03 | 108.77 | Open To Flow (2) |
| 126 | 90.63 | 109.50 | Shut-In(2) |
| 187 | 877.23 | 110.12 | End Shut-In(2) |
| 190 | 1838.94 | 110.18 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 0.00 | 45 ft.of GIP | 0.00 |
| 75.00 | MW/w o specs 37%m 63%w | 1.05 |
| 62.00 | MW 40%m 60%w | 0.87 |
| | | |
| | | |

* 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

14-22s-15w Pawnee KS

Blackwell #1

Job Ticket: 52362

DST#: 3

Test Start: 2013.10.10 @ 02:19:10

GENERAL INFORMATION:

Formation: **LKC. I J K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:42:25

Time Test Ended: 08:38:25

Test Type: Conventional Straddle (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3642.00 ft (KB) To 3730.00 ft (KB) (TVD)

Reference Elevations: 1974.00 ft (KB)

Total Depth: 4038.00 ft (KB) (TVD)

1967.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352 Below (Straddle)

Press @ Run Depth: psig @ 3736.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.10 End Date: 2013.10.10

Last Calib.: 2013.10.10

Start Time: 02:12:57 End Time: 08:37:36

Time On Btm:

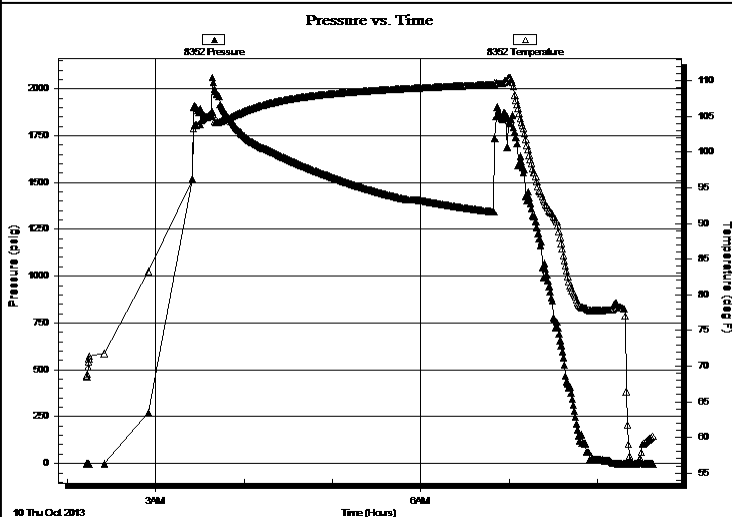
Time Off Btm:

TEST COMMENT: IF: Weak to fair blow . Increase to 6" .

IS: No blow .

FF: Weak blow . 1 - 4" .

FS: No blow .



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 0.00 | 45 ft. of GIP | 0.00 |
| 75.00 | MW/w o specs 37% m 63% w | 1.05 |
| 62.00 | MW 40% m 60% w | 0.87 |
| | | |
| | | |

* 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

14-22s-15w Pawnee KS
Blackwell #1
 Job Ticket: 52362 **DST#: 3**
 Test Start: 2013.10.10 @ 02:19:10

GENERAL INFORMATION:

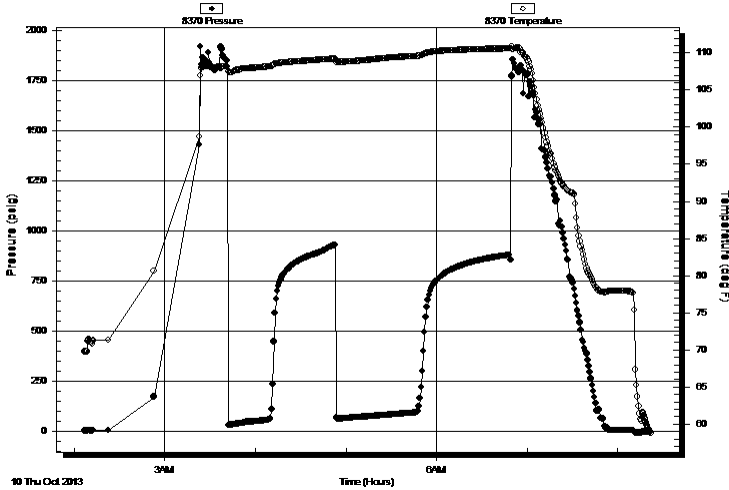
Formation: **LKC. I J K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 03:42:25
 Tester: Gary Pevoteaux
 Time Test Ended: 08:38:25
 Unit No: 56
 Interval: **3642.00 ft (KB) To 3730.00 ft (KB) (TVD)**
 Reference Elevations: 1974.00 ft (KB)
 Total Depth: 4038.00 ft (KB) (TVD) 1967.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press @ Run Depth: psig @ 3643.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.10 End Date: 2013.10.10 Last Calib.: 2013.10.10
 Start Time: 02:06:56 End Time: 08:31:43 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:Weak to fair blow . Increase to 6" .
 IS:No blow .
 FF:Weak blow . 1 - 4".
 FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 0.00 | 45 ft.of GIP | 0.00 |
| 75.00 | MW/w o specs 37% m 63% w | 1.05 |
| 62.00 | MW 40% m 60% w | 0.87 |
| | | |
| | | |

* 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

14-22s-15w Pawnee KS
Blackwell #1
Job Ticket: 52362 **DST#: 3**
Test Start: 2013.10.10 @ 02:19:10

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3654.00 ft | Diameter: 3.80 inches | Volume: 51.26 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: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 68000.00 lb |
| | | | <u>Total Volume: 51.26 bbl</u> | Tool Chased 4.00 ft |
| Drill Pipe Above KB: | 27.00 ft | | | String Weight: Initial 54000.00 lb |
| Depth to Top Packer: | 3642.00 ft | | | Final 55000.00 lb |
| Depth to Bottom Packer: | 3730.00 ft | | | |
| Interval between Packers: | 88.00 ft | | | |
| Tool Length: | 411.00 ft | | | |
| Number of Packers: | 3 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------------|
| C.O. Sub | 1.00 | | | 3628.00 | |
| Shut in tool | 5.00 | | | 3633.00 | |
| HMV | 5.00 | | | 3638.00 | |
| Packer | 4.00 | | | 3642.00 | 15.00 Bottom Of Top Packer |
| Stubb | 1.00 | | | 3643.00 | |
| Recorder | 0.00 | 8649 | Inside | 3643.00 | |
| Recorder | 0.00 | 8370 | Outside | 3643.00 | |
| Perforations | 11.00 | | | 3654.00 | |
| Blank Spacing | 63.00 | | | 3717.00 | |
| Perforations | 9.00 | | | 3726.00 | |
| Blank Off Sub | 1.00 | | | 3727.00 | |
| T.C. | 3.00 | | | 3730.00 | |
| Packer | 0.00 | | | 3730.00 | 88.00 Tool Interval |
| Packer | 5.00 | | | 3735.00 | |
| Stubb | 1.00 | | | 3736.00 | |
| Recorder | 0.00 | 8352 | Below | 3736.00 | |
| Perforations | 15.00 | | | 3751.00 | |
| Blank Spacing | 282.00 | | | 4033.00 | |
| Bullnose | 5.00 | | | 4038.00 | 308.00 Bottom Packers & Anchor |

Total Tool Length: 411.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

14-22s-15w Pawnee KS
Blackwell #1
Job Ticket: 52362 **DST#: 3**
Test Start: 2013.10.10 @ 02:19:10

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|-----------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 10.00 lb/gal | Cushion Length: ft | Water Salinity: | 94000 ppm |
| Viscosity: 68.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.18 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 8500.00 ppm | | | |
| Filter Cake: 0.20 inches | | | |

Recovery Information

Recovery Table

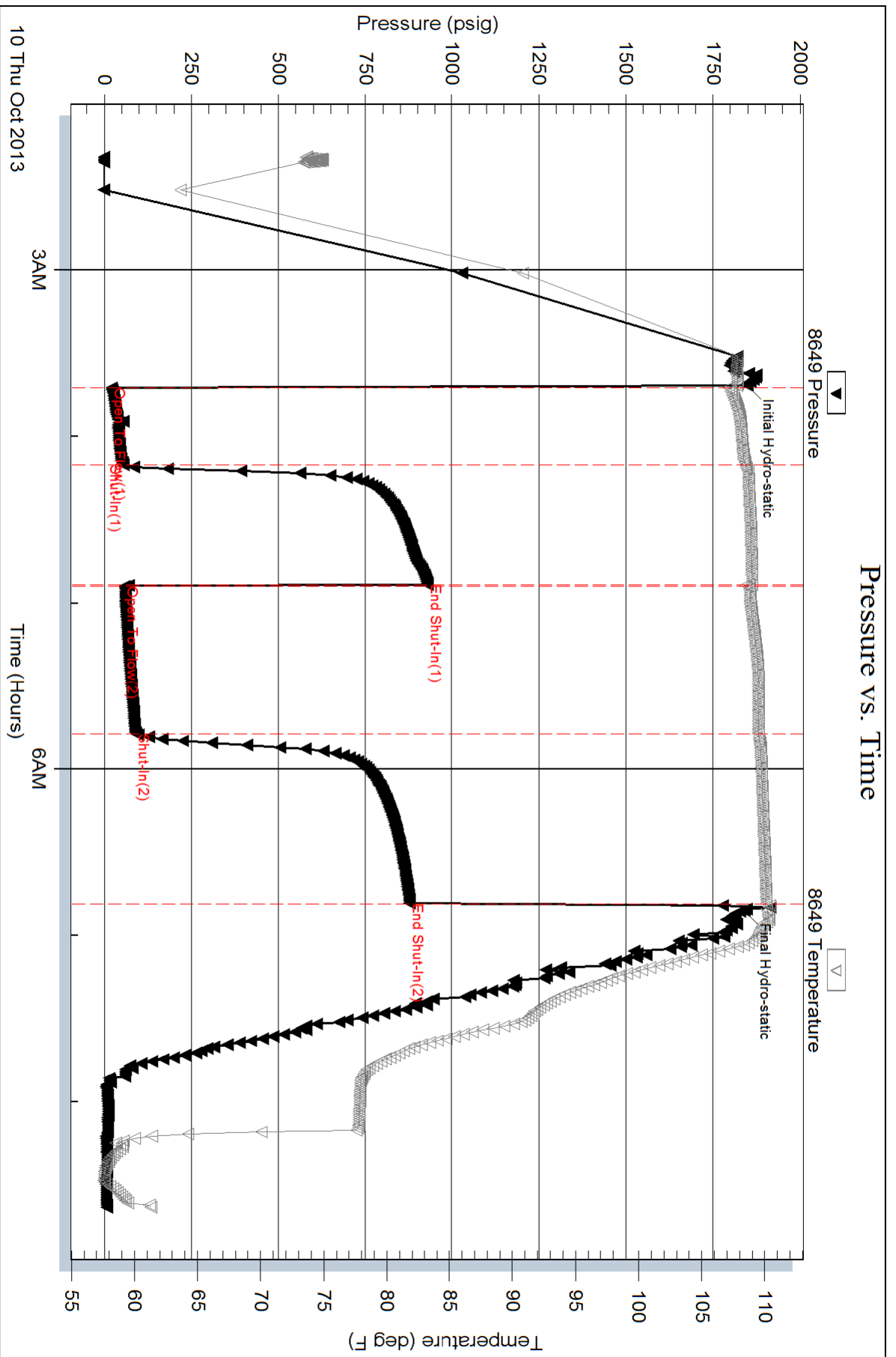
| Length ft | Description | Volume bbl |
|--------------|------------------------|---------------|
| 0.00 | 45 ft.of GIP | 0.000 |
| 75.00 | MW/w o specs 37%m 63%w | 1.052 |
| 62.00 | MW 40%m 60%w | 0.870 |

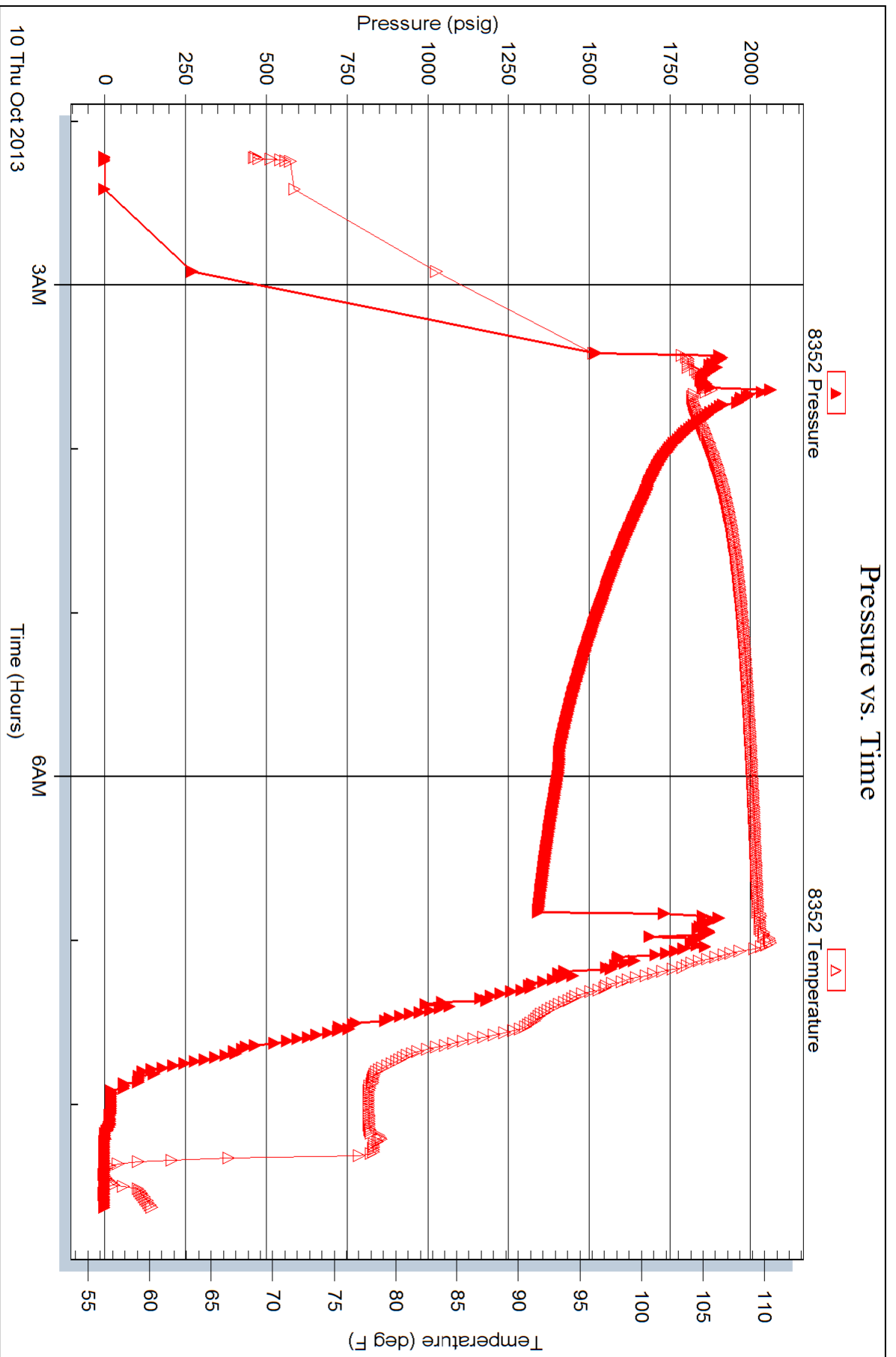
Total Length: 137.00 ft Total Volume: 1.922 bbl

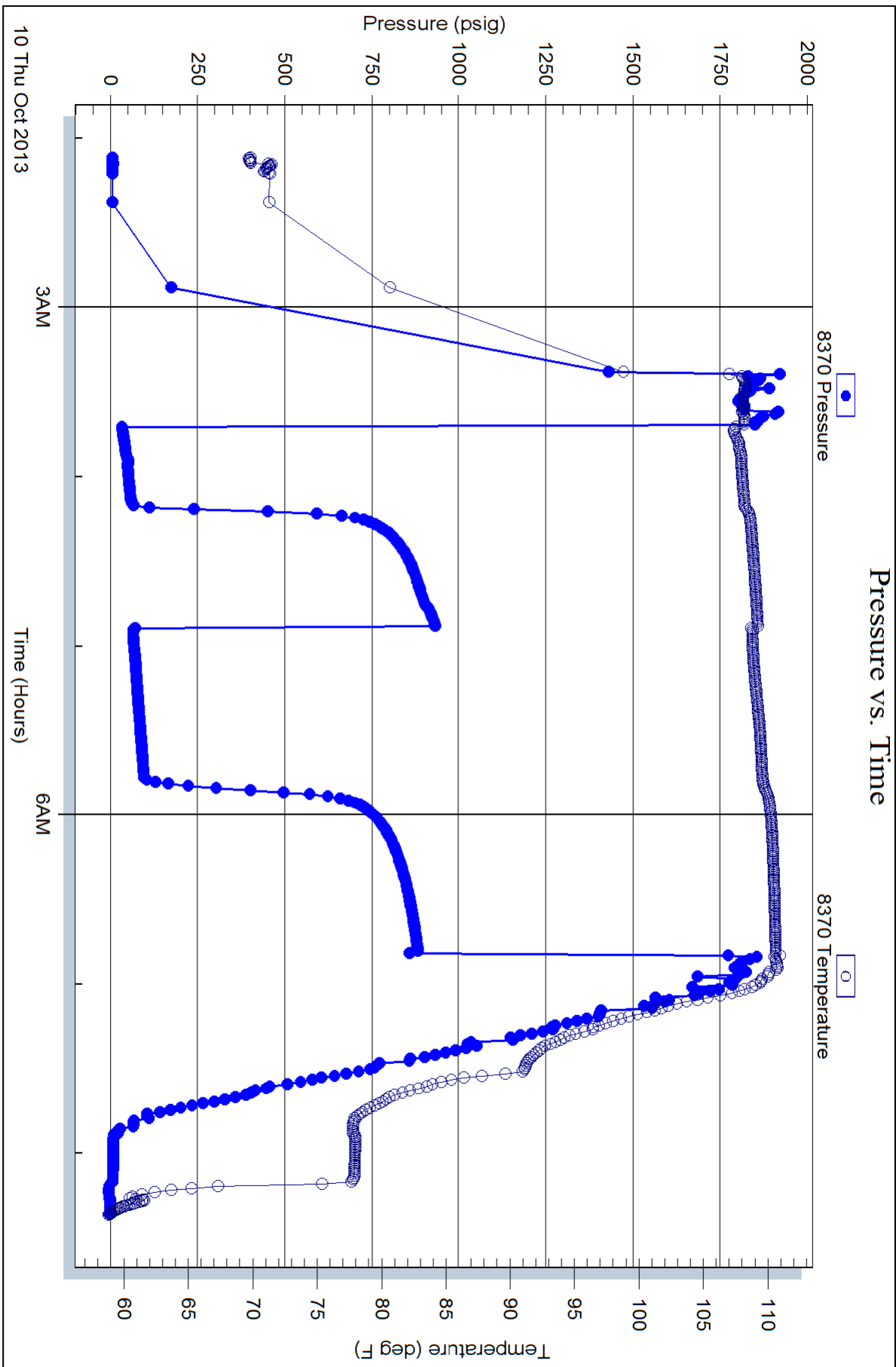
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: RW.096@64deg









TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52360

Well Name & No. BLACKWELL #1 Test No. 1 Date 10-7-13
 Company CHARTER ENERGY INC. Elevation 1974 KB 1967 GL
 Address PO Box 252, GREAT BEND KS, 67530
 Co. Rep / Geo. KURT TALBOT Rig ROYAL DRUG #2
 Location: Sec. 14 Twp. 22 S Rge. 15 W Co. PAWNEE State KS.

Interval Tested 3619-3650' Zone Tested LANS, H
 Anchor Length 31' Drill Pipe Run 3627' Mud Wt. 9.1
 Top Packer Depth 3614' Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3619' Wt. Pipe Run 0 WL 8.4cc
 Total Depth 3650' Chlorides 7,000 ppm System LCM TR.
 Blow Description IF: Weak blow, 1/4" FSI: No blow.

FF: Weak blow. (surface) Dend in 15 mins. FSI: No blow.

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|-------------------------------|----------|------|-----------|------|
| <u>10</u> | <u>SOCM / clean oil @ top</u> | <u>3</u> | | <u>97</u> | |
| | <u>of tool.</u> | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 10 BHT 107 Gravity N/A API RW N.C. @ - ° F Chlorides 7,000 ppm
 (A) Initial Hydrostatic 1783 Test 1150 * T-On Location 1315
 (B) First Initial Flow 41 Jars T-Started 1413
 (C) First Final Flow 28 Safety Joint T-Open 1558
 (D) Initial Shut-In 39 Circ Sub * T-Pulled 1804
 (E) Second Initial Flow 30 Hourly Standby T-Out 1937
 (F) Second Final Flow 26 Mileage 82 127.10 Comments
 (G) Final Shut-In 32 Sampler
 (H) Final Hydrostatic 1786 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Day Standby * 2 TESTS RUN Sub Total 1277.10
 Accessibility AFTER 24 MP/DS Disc't
 Sub Total 1277.10

Approved By _____ Our Representative Cory 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52361

Well Name & No. BLACKWELL # 1 Test No. 2 Date 10-9-13
 Company CHARTER ENERGY INC. Elevation 1974 KB 1967 GL
 Address P.O. Box 252, GREAT BEND KS. 67530
 Co. Rep / Geo. KURT TALBOT Rig ROYAL DIRLG. #2
 Location: Sec. 14 Twp. 22S Rge. 13W Co. PAWNEE State KS.

Interval Tested 3854 - 3953' Zone Tested USOLA - SIMPSON SD.
 Anchor Length 99' Drill Pipe Run 3846' Mud Wt. 9.3
 Top Packer Depth 3849' Drill Collars Run 0 Vis 66
 Bottom Packer Depth 3854' Wt. Pipe Run 0 WL 9.2cc
 Total Depth 3953' Chlorides 7500 ppm System LCM 1/2 #

Blow Description IF: Fair to strong blow. B.O.B. in 30 mins.
ISI: No blow.
~~ESIFF: Fair blow. Increase to 13"~~ FSI: No blow.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-------------------------|-----------|-----------|--------|-----------|
| <u>335</u> | <u>Gas in pipe</u> | | | | |
| <u>45</u> | <u>GOCM / clean oil</u> | <u>10</u> | <u>28</u> | | <u>62</u> |
| | <u>at top of tool</u> | | | | |
| | | | | | |
| | | | | | |

Rec Total 45 BHT 112° Gravity N/A API RW N.C. @ - °F Chlorides 7500 ppm
 (A) Initial Hydrostatic 1957 Test 1150 T-On Location 0114
 (B) First Initial Flow 29 Jars _____ T-Started 0156
 (C) First Final Flow 29 Safety Joint _____ T-Open 0356
 (D) Initial Shut-In 108 Circ Sub _____ T-Pulled 0704
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 0844
 (F) Second Final Flow 34 Mileage 92 127.10 Comments _____
 (G) Final Shut-In 111 Sampler _____
 (H) Final Hydrostatic 1936 Straddle _____
 Shale Packer * 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 191.67
 Day Standby 1d 5.75h Total 1718.77
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1527.10

Approved By _____ Our Representative Cary P. [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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52362

Well Name & No. BLACKWELL #1 Test No. 3 Date 10-10-13
 Company CHARTER ENERGY INC. Elevation 1974 KB 1967 GL
 Address P.O. Box 252, GREAT BEND, KS. 67530
 Co. Rep / Geo. KURT TALBOT Rig ROYAL DRILL #2
 Location: Sec. 14 Twp. 22S Rge. 15W Co. PAWNEE State KS.

Interval Tested 3642 - 3730' Zone Tested LAWS ISK
 Anchor Length 88' Drill Pipe Run 3654' Mud Wt. 9.6
 Top Packer Depth 3642 Drill Collars Run 0 Vis 68
 Bottom Packer Depth 3730 & 3735' Wt. Pipe Run 0 WL 9.2cc
 Total Depth 4038 LTD 4040 Chlorides 8500 ppm System LCM 1 II
 Blow Description IF: Weak to fair blow. Increase to 6". FSI: No blow.

FF: Weak blow, 1-4". FSI: No blow.

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|-----------------------|------|------|-----------|-----------|
| <u>45</u> | <u>Gas in pipe</u> | | | | |
| <u>75</u> | <u>MW / w/o specs</u> | | | <u>63</u> | <u>37</u> |
| <u>62</u> | <u>MW</u> | | | <u>60</u> | <u>40</u> |
| | | | | | |
| | | | | | |

Rec Total 137 fluid BHT 110° Gravity N/A API RW .096 @ 44 °F Chlorides 94000 ppm
 (A) Initial Hydrostatic 1848 Test 1150 T-On Location 0105
 (B) First Initial Flow 22 Jars T-Started 0219
 (C) First Final Flow 54 Safety Joint T-Open 0342
 (D) Initial Shut-In 929 Circ Sub T-Pulled 0647
 (E) Second Initial Flow 58 Hourly Standby T-Out 0838
 (F) Second Final Flow 91 Mileage (82) Comments _____
 (G) Final Shut-In 817 Sampler _____
 (H) Final Hydrostatic 1839 Straddle* 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1877.10
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1877.10

Approved By Kurt Talbot Our Representative Cory 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.