



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1180518
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1180518

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

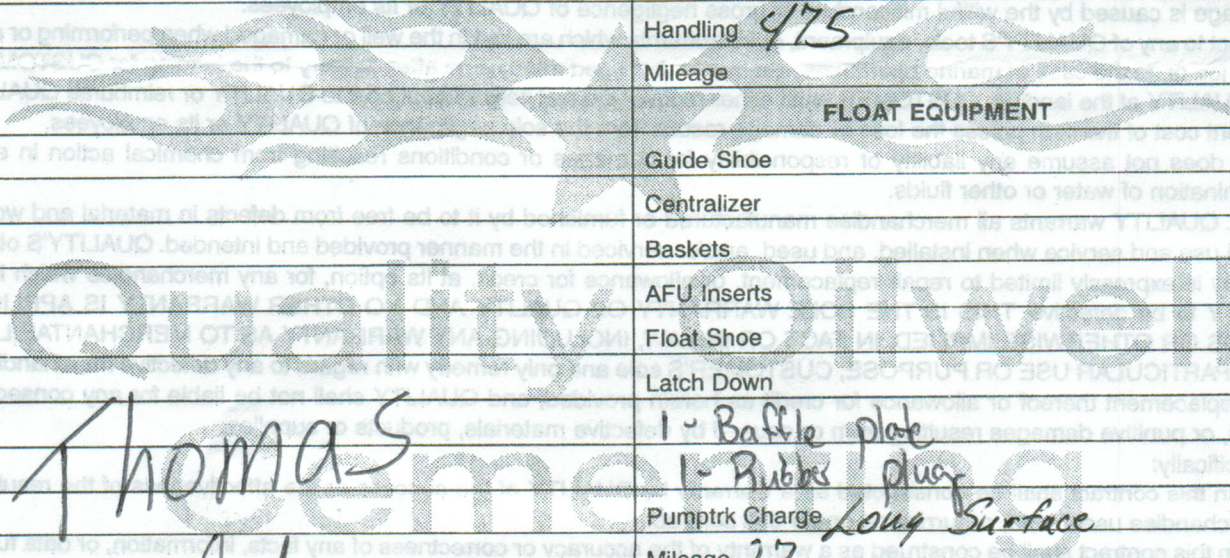
Home Office P.O. Box 32 Russell, KS 67665

No. 7786

Date	10-3-13	Sec.	14	Twp.	22	Range	15	County	Pawnee	State	Ks	On Location		Finish	8:00 AM
Lease	Blackwell		Well No.	1		Owner	Hito								
Contractor	Royal 2		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.												
Type Job	Surface		Charge To	Charter Energy											
Hole Size	12 1/4"		T.D.	912'		Street									
Csg.	8 5/8"		Depth	907'		City	State								
Tbg. Size			Depth	The above was done to satisfaction and supervision of owner agent or contractor.											
Tool			Depth												
Cement Left in Csg.	44'		Shoe Joint	44'		Cement Amount Ordered	4500y Common 3% CL 2% Gel								
Meas Line			Displace	55 BUS		1/2# Flo-seal									
EQUIPMENT						Common	450								
Pumptrk	16	No.	Cementer	Billy		Poz. Mix									
Bulktrk	12	No.	Driver	Doug		Gel.	9								
Bulktrk	p.u.	No.	Driver	Rick		Calcium	16								
JOB SERVICES & REMARKS						Hulls									
Remarks:	Cement did Circulate.					Salt									
Rat Hole						Flowseal	225#								
Mouse Hole						Kol-Seal									
Centralizers						Mud CLR 48									
Baskets						CFL-117 or CD110 CAF 38									
D/V or Port Collar						Sand									
						Handling	475								
						Mileage									
FLOAT EQUIPMENT						Guide Shoe									
						Centralizer									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
						1 - Baffle plate									
						1 - Rubbers plug									
						Pumptrk Charge	Long Surface								
						Mileage	27								
						Tax									
						Discount									
						Total Charge									
X	Signature														

Thomas

Blake



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 7792

Cell 785-324-1041

Date	10-10-13	Sec.	14	Twp.	22	Range	15	County	Pawnee	State	Ks	On Location		Finish	2130
Lease	Blackwell		Well No.	#1		Owner	J Rd, 1/2 W N15								
Contractor	Royal 2		To Quality Oilwell Cementing, Inc.			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Type Job	Plugs		Charge To	Charter Energy											
Hole Size	7 7/8"		T.D.	4040'		Street									
Csg.			Depth			City	State								
Tbg. Size	4 1/2" D.P.		Depth	3940'		The above was done to satisfaction and supervision of owner agent or contractor.									
Tool			Depth			Cement Amount Ordered 210 SX 60140 4% Gel 1/4# Flb									
Cement Left in Csg.			Shoe Joint												
Meas Line			Displace	H2O / mud											
EQUIPMENT						Common	126								
Pumptrk	16	No.	Cement Helper	Billy		Poz. Mix	84								
Bulktrk	1	No.	Driver	David		Gel.	7								
Bulktrk	p.u.	No.	Driver	Rick		Calcium									
JOB SERVICES & REMARKS						Hulls									
Remarks:	3940'					Salt									
Rat Hole	3940' - 50 SX					Flowseal	50#								
Mouse Hole	940' - 50 SX					Kol-Seal									
Centralizers	300' - 40 SX					Mud CLR 48									
Baskets	60' - 20 SX					CFL-117 or CD110 CAF 38									
D/V or Port Collar	Rathole - 30 SX					Sand									
	Mousehole - 20 SX					Handling	217								
	210 SX 60140 4% Gel 1/4# Flb-seal					Mileage									
FLOAT EQUIPMENT						Guide Shoe									
	Cement did Circulate.					Centralizer									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
Thomas						Pumptrk Charge	plug								
Blake						Mileage	27								
X Signature						Tax									
Discount															
Total Charge															



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

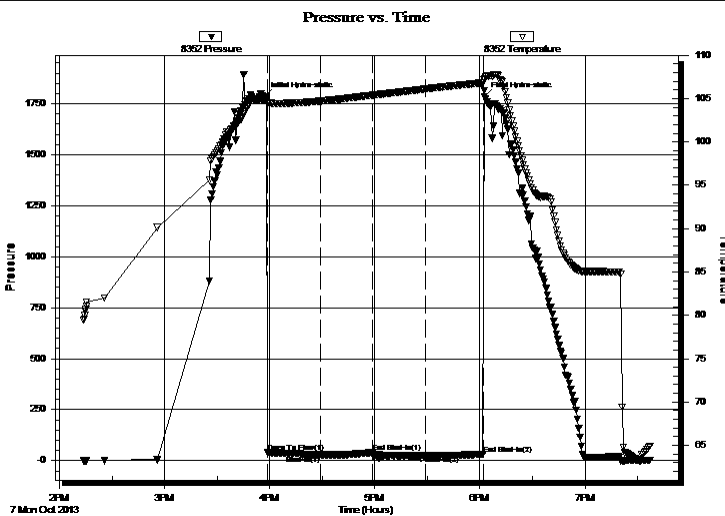
GENERAL INFORMATION:

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
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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:	bbbl		
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 bbbl
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:

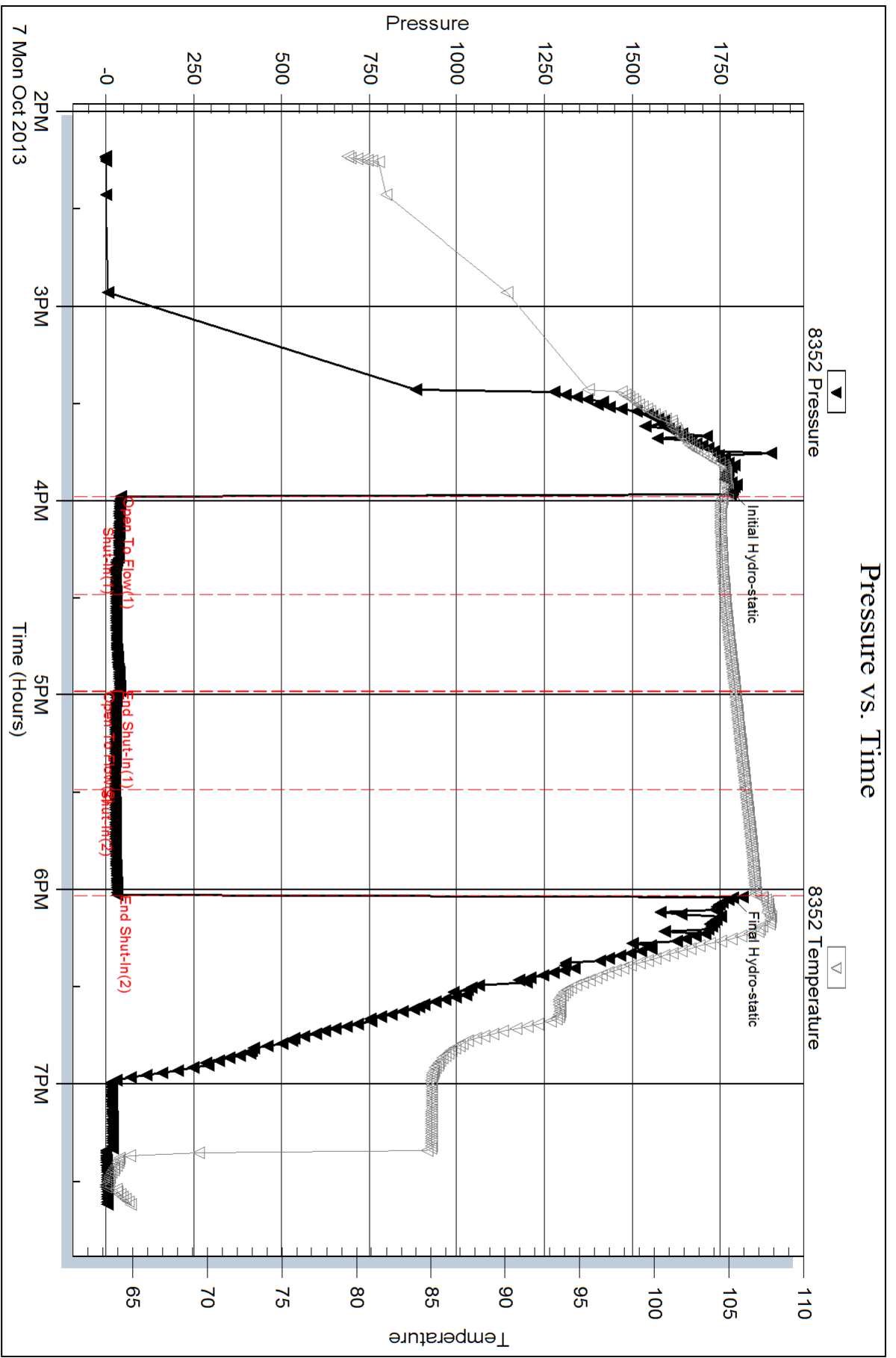
Serial #: 8352

Inside

Charter Energy Inc.

Blackwell #1

DST Test Number: 1





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

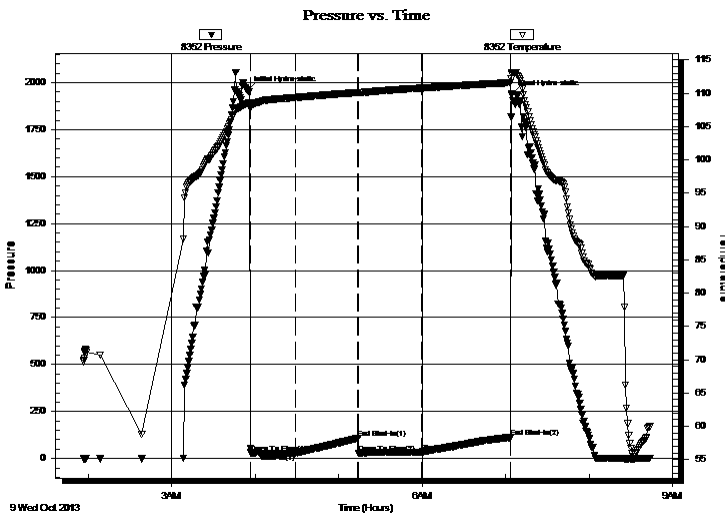
Serial #: 8352

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

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			

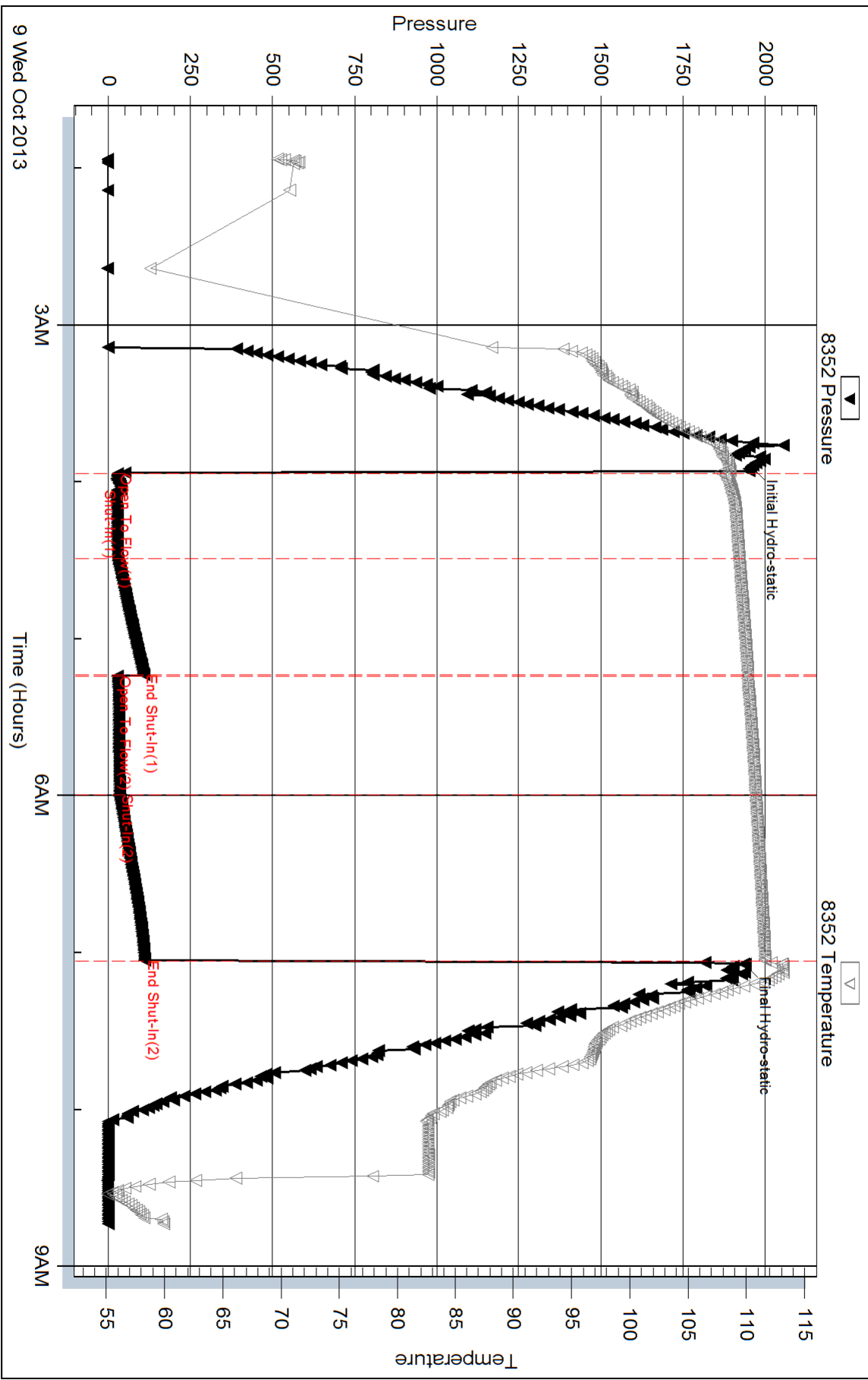
Recovery Information

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

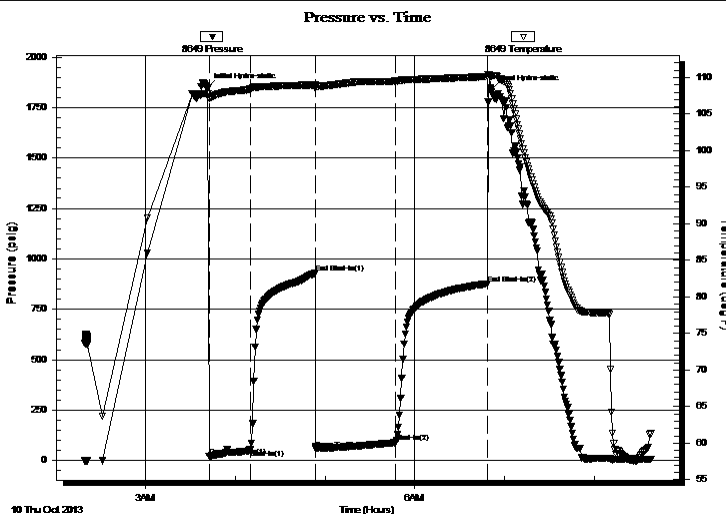
Serial #: 8649

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

Gas Rates

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

* Recovery from multiple tests



**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:

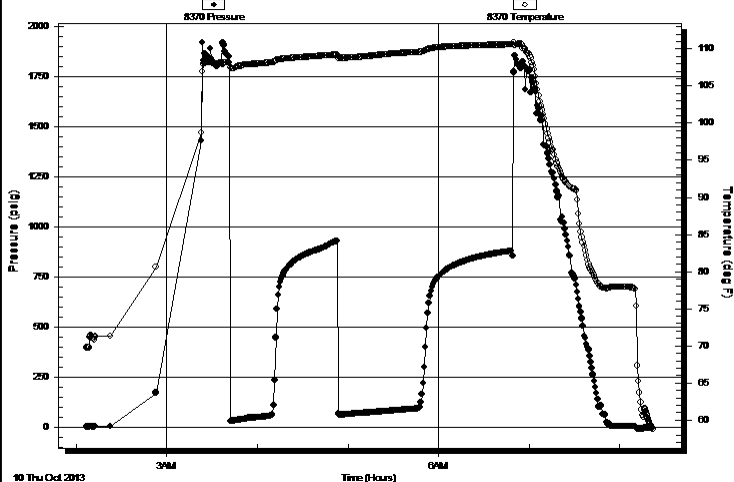
Formation: LKC. I J K			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Straddle (Reset)	
Time Tool Opened: 03:42:25		Tester: Gary Pevoteaux	
Time Test Ended: 08:38:25		Unit No: 56	
Interval: 3642.00 ft (KB) To 3730.00 ft (KB) (TVD)		Reference Elevations: 1974.00 ft (KB)	
Total Depth: 4038.00 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
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

Gas Rates

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

* Recovery from multiple tests



**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

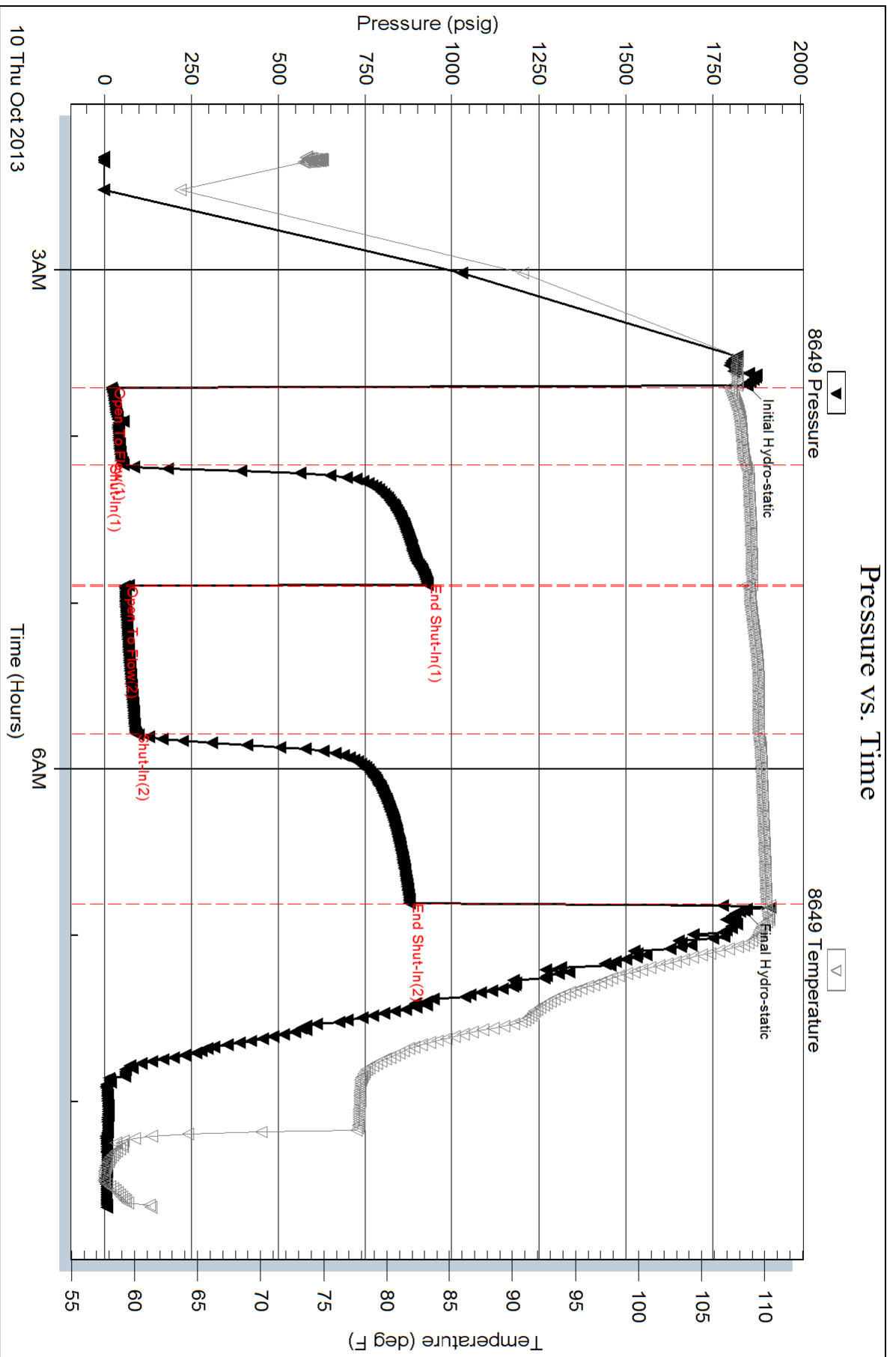
Length ft	Description	Volume bbl
0.00	45 ft.of GIP	0.000
75.00	MW/w o specs 37%m 63%w	1.052
62.00	MW 40%m 60%w	0.870

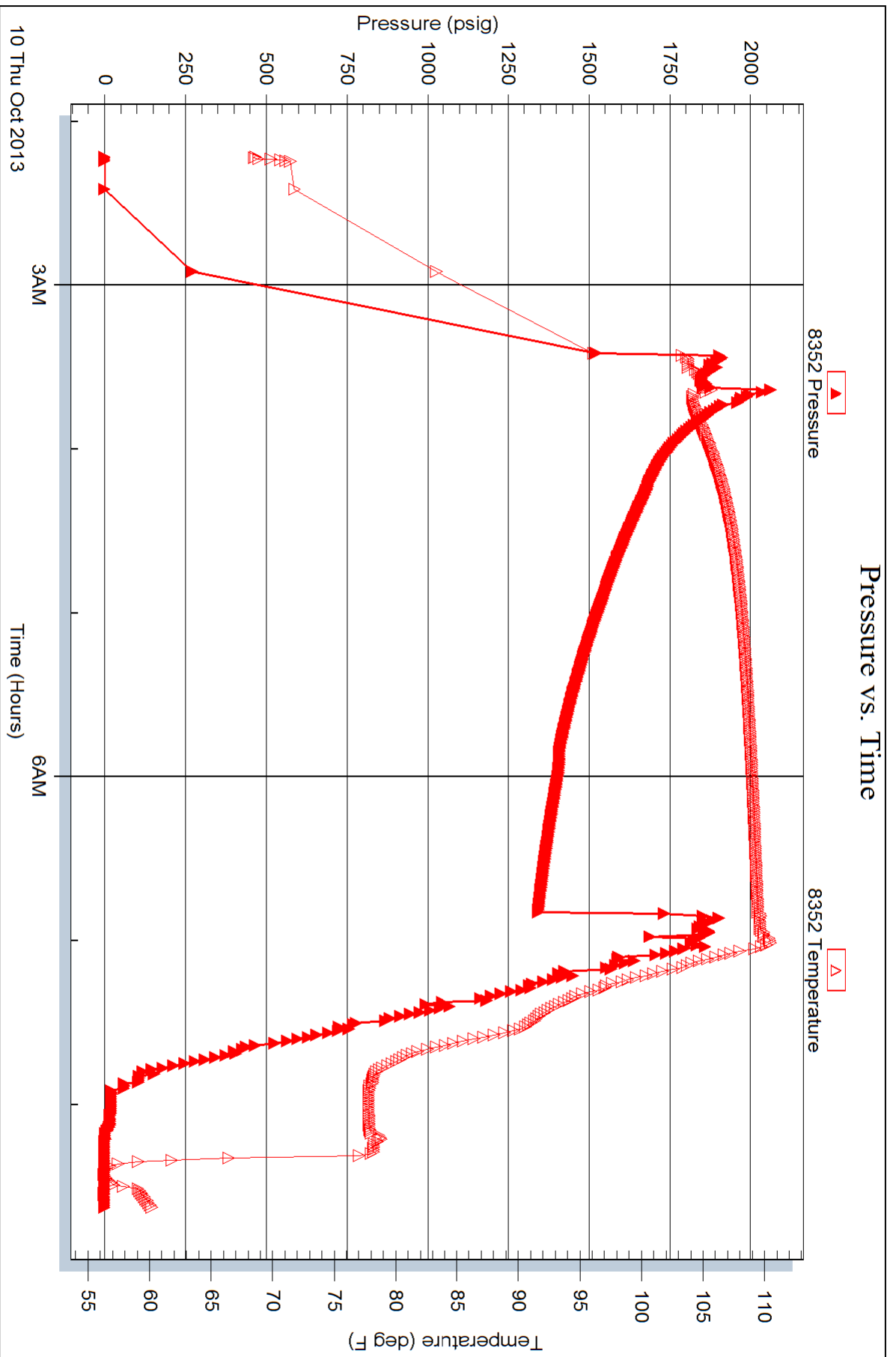
Total Length: 137.00 ft Total Volume: 1.922 bbl

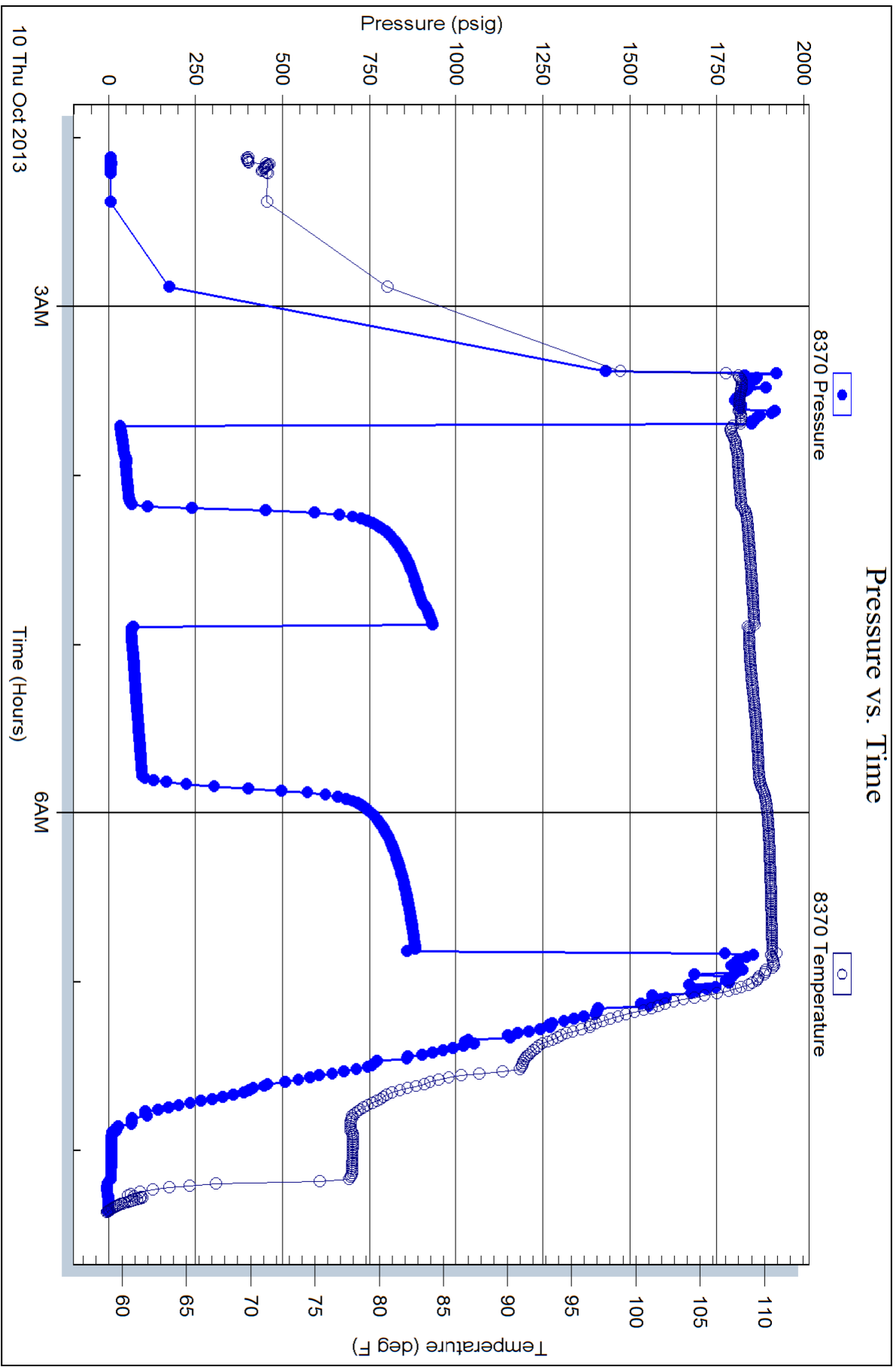
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

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 _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby * 2 TESTS RUN Sub Total 0
 Accessibility AFTER 24 Total 1277.10
 Sub Total 1277.10 MP/DS Disc't _____

Approved By _____ Our Representative Cory P. Wateaux
 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 _____ Ruined Shale Packer _____
 Shale Packer * 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 191.67
 Initial Shut-In 45 Day Standby 1d 5.75h Total 1718.77
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 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.