



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1215613
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: _____

1215613

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> <i>(Submit ACO-4)</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. 068

Date	5-24-14	Sec.	1	Twp.	22	Range	15	County	Pawnee	State	Ks	On Location		Finish	6:45 Am
------	---------	------	---	------	----	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Lease Shuart Location Radium, Ks 2W S/Info

Well No. 1 Owner To Quality Oilwell Cementing, Inc.

Contractor Royal Type Job Surface
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12 1/4" T.D. 924' Charge To Charles Energy

Csg. 8 5/8" Depth 924' Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 43' Shoe Joint 43' Cement Amount Ordered 450 60/40 3 1/2 CC 2% Gel

Meas Line Displace 56 BIS 1/2 # Flt seal

EQUIPMENT

Pumptrk	16	No.	Cementer		Common
			Helper	<u>Nick</u>	
Bulktrk	13	No.	Driver	<u>Lonnie</u>	Poz. Mix
			Driver	<u>Rick</u>	Gel.
Bulktrk	<u>p.u.</u>	No.	Driver		Calcium
			Driver		Hulls

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole Salt

Mouse Hole Flowseal

Centralizers Kol-Seal

Baskets Mud CLR 48

D/V or Port Collar Cement to pit Sand

5 Barcell to pit Handling

Mileage

FLOAT EQUIPMENT

Guide Shoe

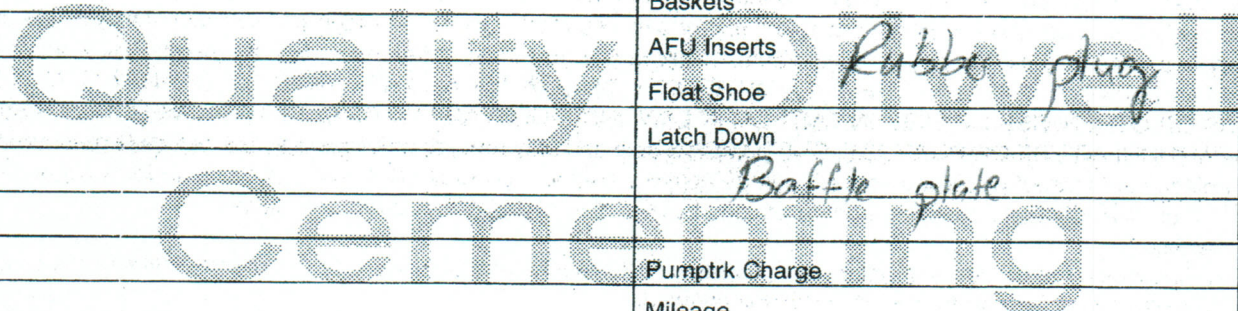
Centralizer

Baskets

AFU Inserts Rubber plug

Float Shoe

Latch Down Baffle plate



Pumptrk Charge

Mileage

Signature Dorey B... Tax

Discount

Total Charge



CHARGE TO: Charter Energy
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET **26629**
 PAGE 1 OF 2

1. SERVICE LOCATIONS: 1. Hays, KS WELL/PROJECT NO: #1 LEASE: Shurt COUNTY/PARISH: Stadland STATE: KS DATE: 5-30-14 OWNER: same

2. Ness City, KS TICKET TYPE: SERVICE SALES CONTRACTOR: Royal Dpla RIG NAME/NO.: _____ ORDER NO.: _____

3. WELL TYPE: _____ WELL CATEGORY: Development JOB PURPOSE: longstring DELIVERED TO: Lacordia WELL PERMIT NO.: _____

4. REFERRAL LOCATION: _____ INVOICE INSTRUCTIONS: _____ WELL LOCATION: _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
5-75						78 mi					6.00	480.00
5-78					Pump Charge (longstring)	1 mi		3950'			1500.00	1500.00
2-21					KEL	2 mi					25.00	50.00
2-81					Mudflush	58 mi					1.35	6.85.00
2-90					D-Air	3 mi					42.00	126.00
4-02					Centralizers	3 mi		53'			20.00	490.00
4-03					Basket	1 mi					300.00	300.00
4-06					LD Plogt Baffle	1 mi					275.00	275.00
4-07					Insert Float shoe w/DF	1 mi					375.00	375.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X DATE SIGNED: 5-30-14 TIME SIGNED: 1:20 A.M. P.M.

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					4161	50
WE UNDERSTOOD AND MET YOUR NEEDS?					4752	50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					8913	90
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					429	25
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			TOTAL	9342.75

5 + Ford TAX 7.15%
 Thank You!

SWIFT OPERATOR: _____ APPROVAL: _____ CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: _____ The customer hereby acknowledges receipt of the materials and services listed on this ticket.



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 26699 PAGE 2 OF 2

CUSTOMER *Charter Agency* WELL #1 Stuart DATE 5-30-19 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.	UM		
325		2				Standard Cement	175	SKS			14.50	2512.50
276		2				Floerls	50	#	4	1/2	2.50	125.00
283		2				Salt	900	#	10	1/2	1.80	180.00
284		2				Calseal	85	SKS	5	1/2	35.00	280.00
292		2				Halad-322	80	#	2	1/2	8.00	640.00
581		2				SERVICE CHARGE					2.00	350.00
583		2				MILEAGE CHARGE					1.00	640.00
						TOTAL WEIGHT	18280					
						LOADED MILES	70					
						CUBIC FEET	175 SKS					
						TON MILES	640					

CONTINUATION TOTAL 1455.50
752

JOB LOG

SWIFT Services, Inc.

DATE 5-30-14 PAGE NO. 1

CUSTOMER Charter Energy WELL NO. 71 LEASE Shuart JOB TYPE Longstring TICKET NO. 26629

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							on loc eff
								RTD 3950' LTD 3948' 5 1/2" x 15.5" x 3946' x 21' Cent, 1, 3, 4, 5, 6, 8, 10 Bash 4
	1330							start FE
	1445							Break Circ.
	1500	2	7/5					Plug RT & MH 30/20 FA-2
	1510	5	0			200		Start 500gal Mud flush
	1516	5	12/0			200		start 20 bbl KCL flush
	1522	5	20/0			200		start 125 sks FA-2 cement
	1522		32					End Cement Wash P&H Drop L.D. Plug
	1528	6	0			200		start Displacement
	1538	5	60			250		Catch Cement
	1545		94			200 1400		Land Plug Release Pressure Float Held

Thank you

Nick, David E. & Rob



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc.**

PO.Box 252
Great Bend KS 67530

ATTN: Kurt Talbott

Shuart #1

1-22s-15w Pawnee KS

Start Date: 2014.05.27 @ 11:56:57

End Date: 2014.05.27 @ 17:30:12

Job Ticket #: 54213 DST #: 1

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

Printed: 2014.05.30 @ 14:43:33



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

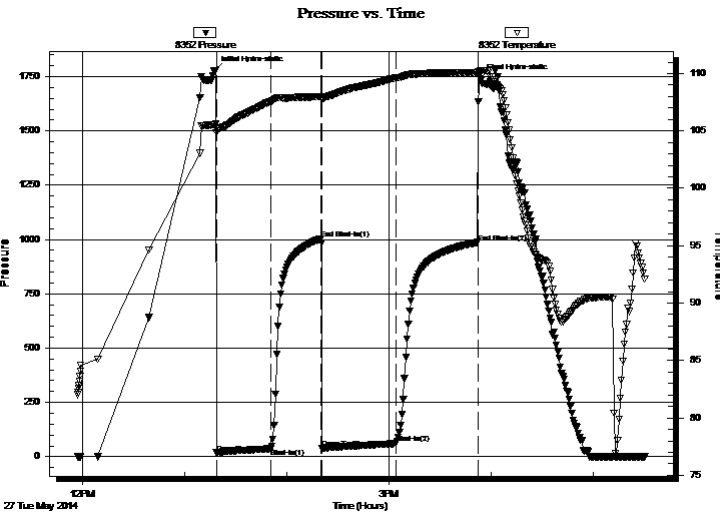
1-22s-15w Pawnee KS
Shuart #1
 Job Ticket: 54213 **DST#: 1**
 Test Start: 2014.05.27 @ 11:56:57

GENERAL INFORMATION:

Formation: **Lans.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:18:27
 Time Test Ended: 17:30:12
 Interval: **3543.00 ft (KB) To 3600.00 ft (KB) (TVD)**
 Total Depth: 3600.00 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: 1963.00 ft (KB)
 1957.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8352 Outside
 Press@RunDepth: 60.23 psig @ 3544.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.27 End Date: 2014.05.27 Last Calib.: 2014.05.27
 Start Time: 11:57:02 End Time: 17:30:11 Time On Btm: 2014.05.27 @ 13:17:12
 Time Off Btm: 2014.05.27 @ 15:53:27

TEST COMMENT: IF:Weak blow . 1/2 - 3 1/2".
 IS:No blow
 FF:Weak blow . 1/2 - 2".
 FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1778.43	105.56	Initial Hydro-static
2	17.36	104.86	Open To Flow (1)
34	36.79	107.57	Shut-In(1)
63	1003.59	107.99	End Shut-In(1)
64	39.46	107.68	Open To Flow (2)
107	60.23	109.60	Shut-In(2)
155	986.38	110.08	End Shut-In(2)
157	1741.27	110.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
92.00	MW 28% m 72% w /Rw .085@ 75deg	1.29
0.00	Oil scum@ top of tool	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy Inc.

1-22s-15w Pawnee KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54213

DST#: 1

ATTN: Kurt Talbott

Test Start: 2014.05.27 @ 11:56:57

GENERAL INFORMATION:

Formation: **Lans.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:18:27

Time Test Ended: 17:30:12

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3543.00 ft (KB) To 3600.00 ft (KB) (TVD)

Reference Elevations: 1963.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8370 Inside

Press@RunDepth: psig @ 3544.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.27

End Date: 2014.05.27

Last Calib.: 2014.05.27

Start Time: 11:51:17

End Time: 17:25:26

Time On Btm:

Time Off Btm:

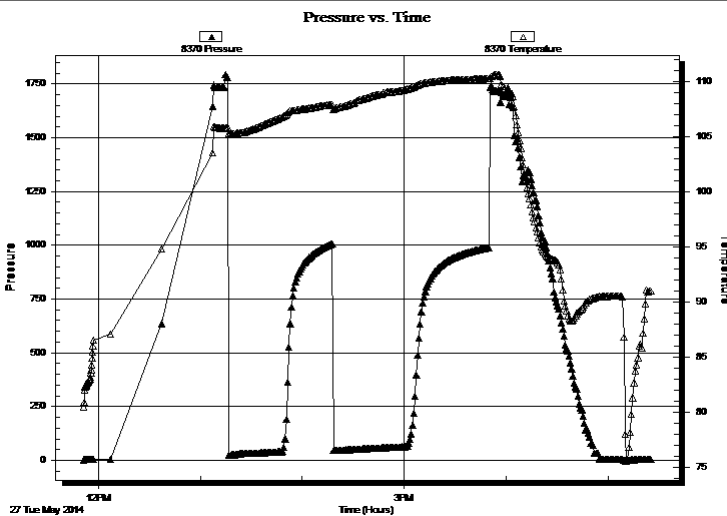
TEST COMMENT: IF:Weak blow . 1/2 - 3 1/2".

IS:No blow

FF:Weak blow . 1/2 - 2".

FS:No blow .

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
92.00	MW 28% m 72% w /Rw .085 @ 75deg	1.29
0.00	Oil scum @ 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.

1-22s-15w Pawnee KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54213

DST#: 1

ATTN: Kurt Talbott

Test Start: 2014.05.27 @ 11:56:57

Tool Information

Drill Pipe:	Length: 3554.00 ft	Diameter: 3.80 inches	Volume: 49.85 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: 61000.00 lb
			<u>Total Volume: 49.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3543.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	77.00 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			3524.00	
Shut In Tool	5.00			3529.00	
Hydraulic tool	5.00			3534.00	
Packer	4.00			3538.00	20.00 Bottom Of Top Packer
Packer	5.00			3543.00	
Stubb	1.00			3544.00	
Recorder	0.00	8352	Outside	3544.00	
Recorder	0.00	8370	Inside	3544.00	
Perforations	4.00			3548.00	
Blank Spacing	32.00			3580.00	
Perforations	15.00			3595.00	
Bullnose	5.00			3600.00	57.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc.

1-22s-15w Pawnee KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54213

DST#: 1

ATTN: Kurt Talbott

Test Start: 2014.05.27 @ 11:56:57

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:

86000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
92.00	MW 28% _m 72% _w /Rw .085@ 75deg	1.291
0.00	Oil scum@ top of tool	0.000

Total Length: 92.00 ft

Total Volume: 1.291 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

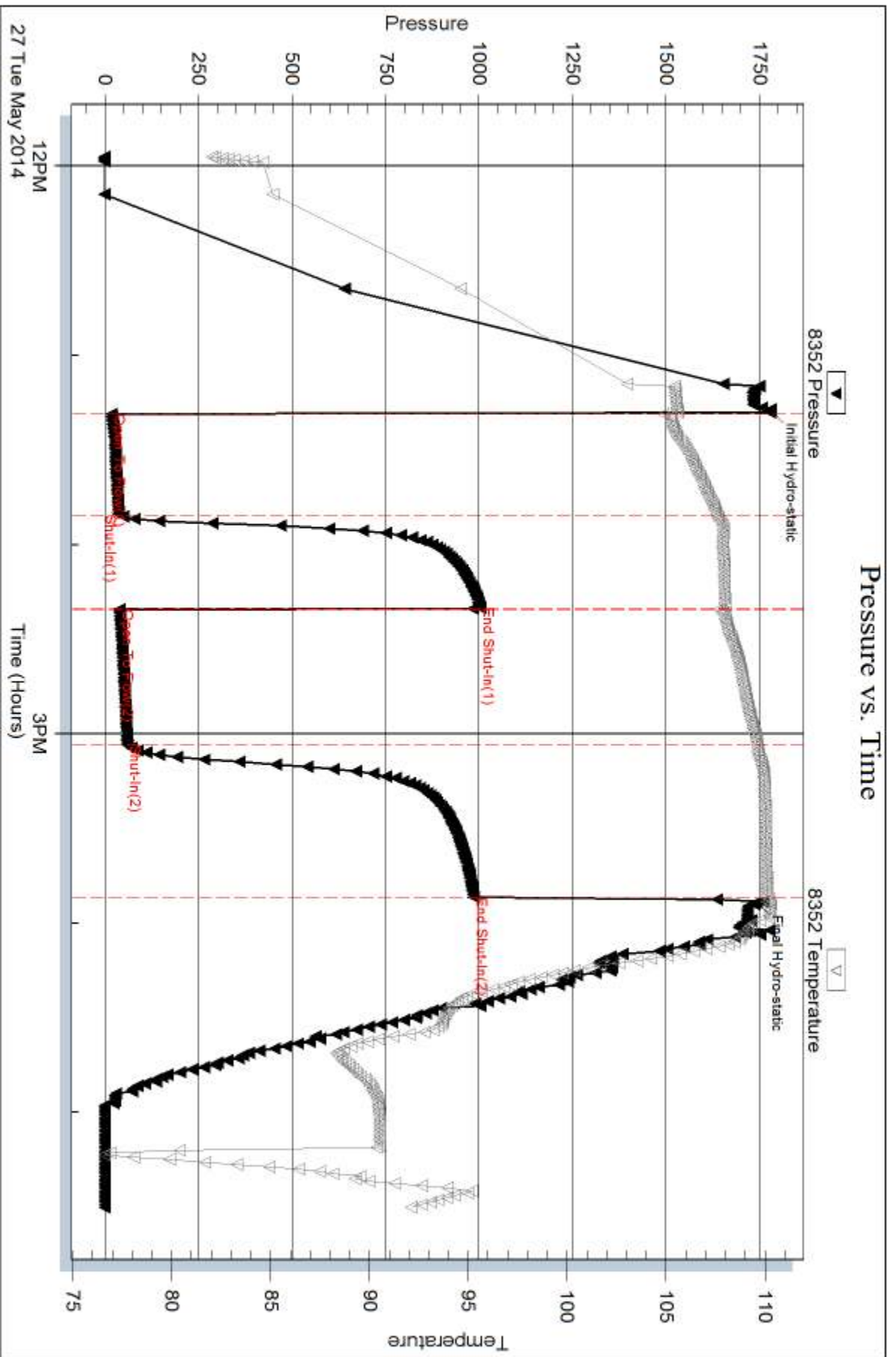
Recovery Comments:

Serial #: 8352

Outside Charter Energy Inc.

Shunt #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54213

Printed: 2014.05.30 @ 14:43:34

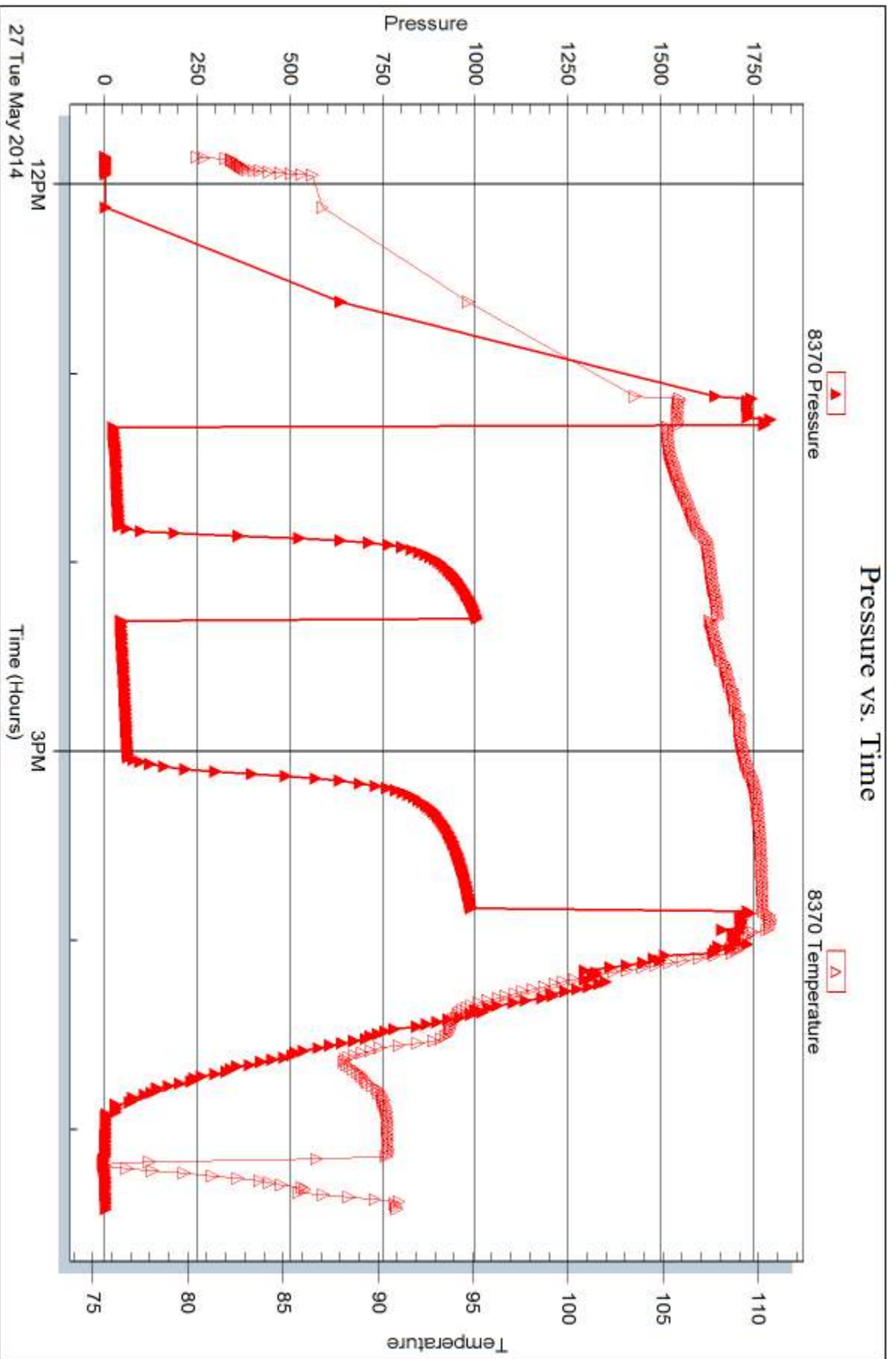
Serial #: 8370

Inside

Charter Energy Inc.

Shuart #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54213

Printed: 2014.05.30 @ 14:43:34



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc.**

PO.Box 252
Great Bend KS 67530

ATTN: Kurt Talbott

Shuart #1

1-22s-15w Pawnee,KS

Start Date: 2014.05.28 @ 12:51:26

End Date: 2014.05.28 @ 16:19:56

Job Ticket #: 54214 DST #: 2

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

Printed: 2014.05.30 @ 14:42:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc.

1-22s-15w Pawnee,KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54214

DST#: 2

ATTN: Kurt Talbott

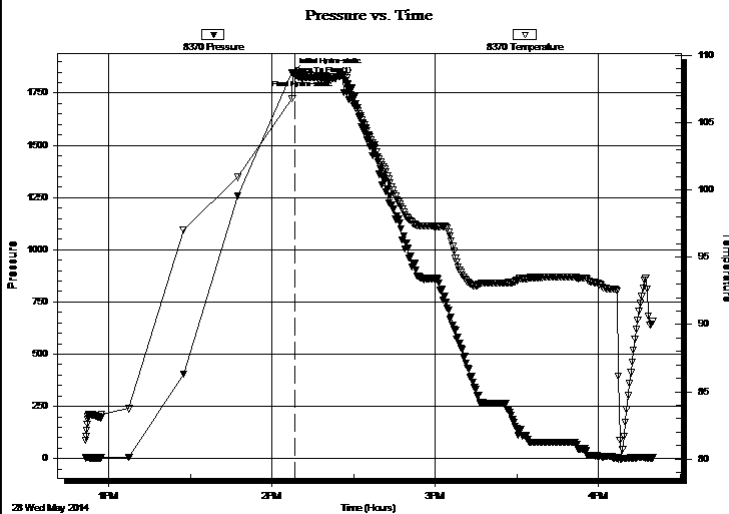
Test Start: 2014.05.28 @ 12:51:26

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:08:26
 Time Test Ended: 16:19:56
Interval: 3753.00 ft (KB) To 3820.00 ft (KB) (TVD)
 Total Depth: 3820.00 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: 1963.00 ft (KB)
 1957.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8370 Inside
 Press@RunDepth: psig @ 3754.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.28 End Date: 2014.05.28 Last Calib.: 2014.05.28
 Start Time: 12:51:31 End Time: 16:19:56 Time On Btm: 2014.05.28 @ 14:07:41
 Time Off Btm: 2014.05.28 @ 14:24:26

TEST COMMENT: IF: Strong blow. Packers failed. Picked up & re-set tool using more string weight. Packers failed. Misrun!



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1849.06	108.72	Initial Hydro-static
1	1839.43	108.67	Open To Flow (1)
17	1848.23	108.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
195.00	Drig mud	2.74

* 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

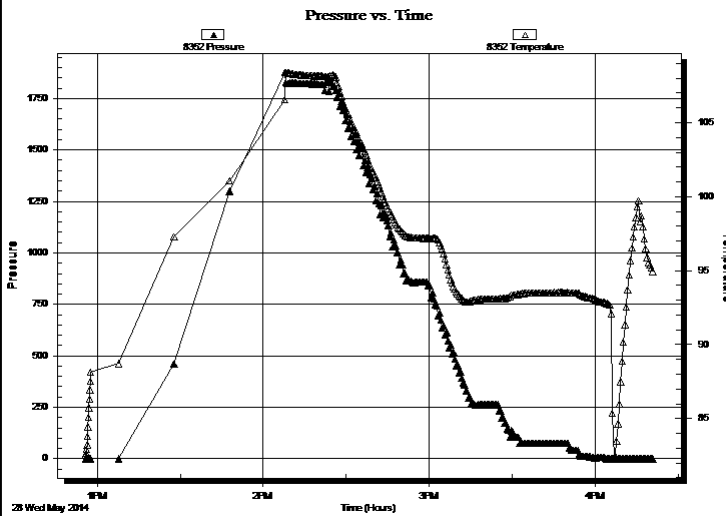
1-22s-15w Pawnee,KS
Shuart #1
Job Ticket: 54214 **DST#: 2**
Test Start: 2014.05.28 @ 12:51:26

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 14:08:26 Tester: Gary Pevoteaux
Time Test Ended: 16:19:56 Unit No: 56
Interval: 3753.00 ft (KB) To 3820.00 ft (KB) (TVD) Reference Elevations: 1963.00 ft (KB)
Total Depth: 3820.00 ft (KB) (TVD) 1957.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 8352 Outside
Press@RunDepth: psig @ 3754.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.28 End Date: 2014.05.28 Last Calib.: 2014.05.28
Start Time: 12:55:49 End Time: 16:20:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Strong blow . Packers failed. Picked up & re-set tool using more string wieght. Pckers failed. Misrun!



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
195.00	Drig mud	2.74

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.

1-22s-15w Pawnee,KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54214

DST#: 2

ATTN: Kurt Talbott

Test Start: 2014.05.28 @ 12:51:26

Tool Information

Drill Pipe:	Length: 3742.00 ft	Diameter: 3.80 inches	Volume: 52.49 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:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	61000.00 lb
			<u>Total Volume: 52.49 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3753.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	87.00 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			3734.00	
Shut In Tool	5.00			3739.00	
Hydraulic tool	5.00			3744.00	
Packer	4.00			3748.00	20.00 Bottom Of Top Packer
Packer	5.00			3753.00	
Stubb	1.00			3754.00	
Recorder	0.00	8352	Outside	3754.00	
Recorder	0.00	8370	Inside	3754.00	
Perforations	4.00			3758.00	
Blank Spacing	32.00			3790.00	
Perforations	25.00			3815.00	
Bullnose	5.00			3820.00	67.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc.

1-22s-15w Pawnee,KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54214

DST#: 2

ATTN: Kurt Talbott

Test Start: 2014.05.28 @ 12:51:26

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:

4800 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
195.00	Drig mud	2.735

Total Length: 195.00 ft Total Volume: 2.735 bbf

Num Fluid Samples: 0

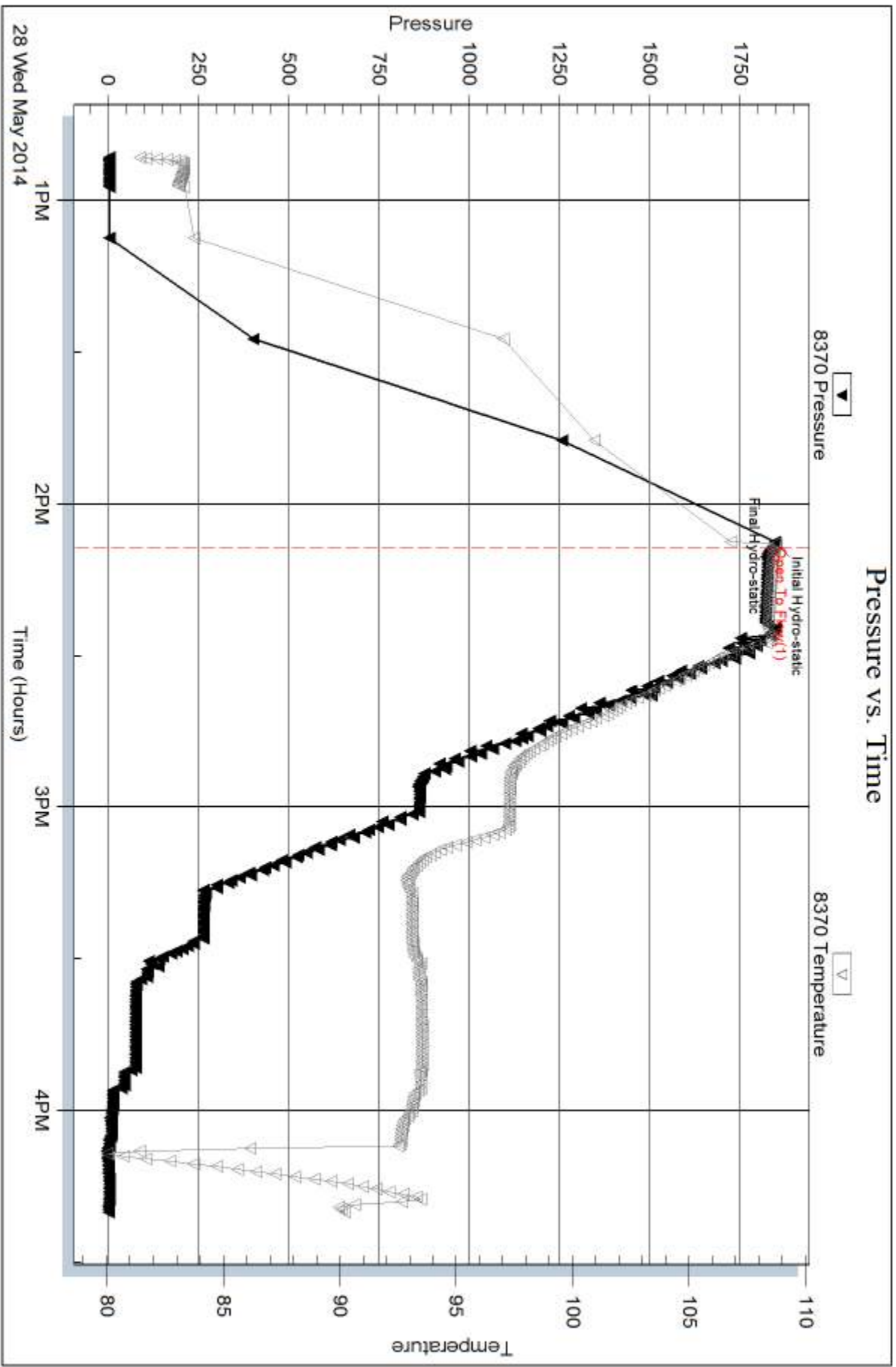
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

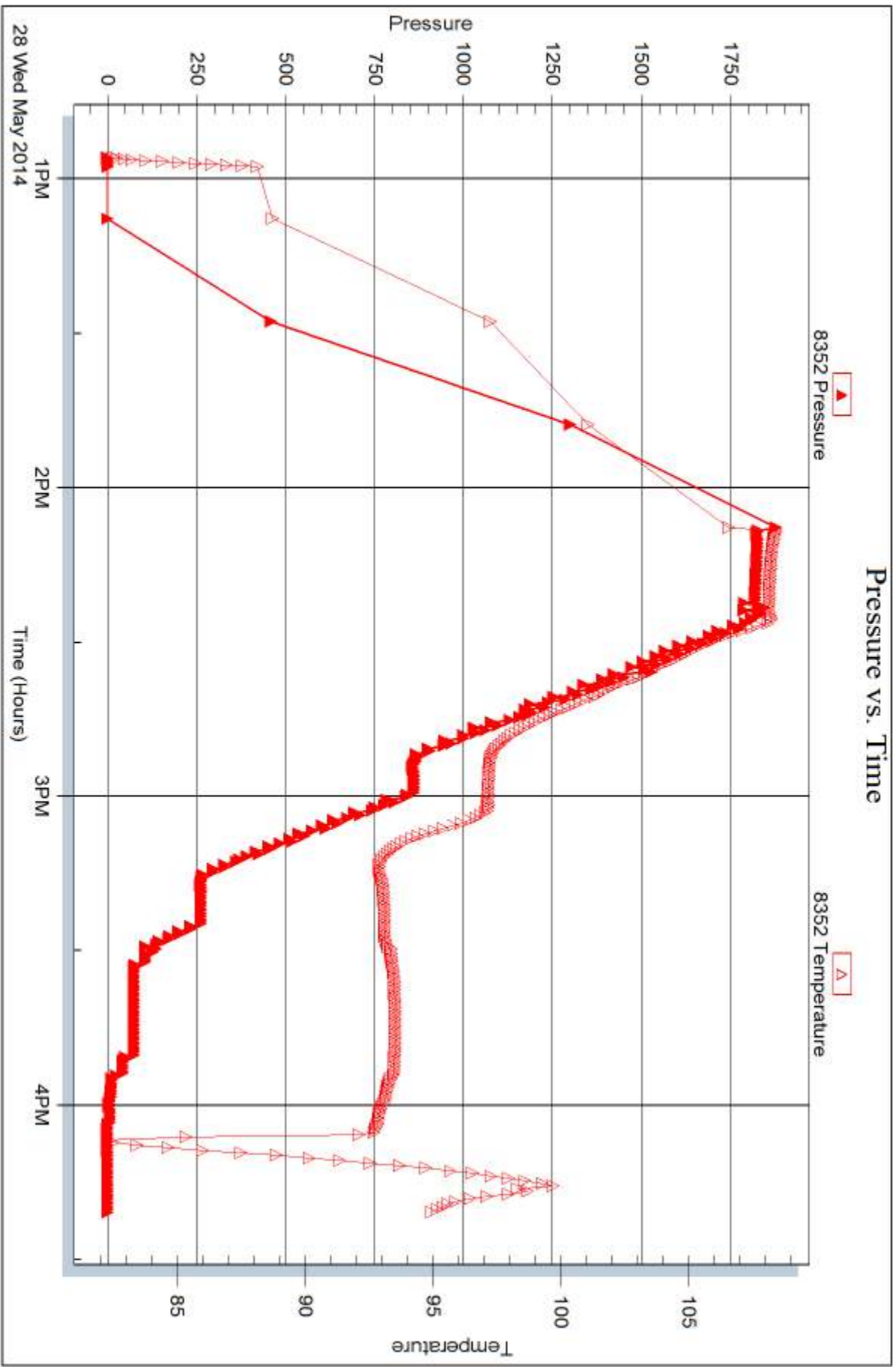


Serial #: 8352

Outside Charter Energy Inc.

Shuart #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54214

Printed: 2014.05.30 @ 14:42:34



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc.**

PO.Box 252
Great Bend KS 67530

ATTN: Kurt Talbott

Shuart #1

1-22s-15w Pawnee,KS

Start Date: 2014.05.28 @ 16:35:14

End Date: 2014.05.28 @ 22:05:14

Job Ticket #: 54215 DST #: 3

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

Printed: 2014.05.30 @ 14:42:11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

1-22s-15w Pawnee,KS
Shuart #1
 Job Ticket: 54215 **DST#: 3**
 Test Start: 2014.05.28 @ 16:35:14

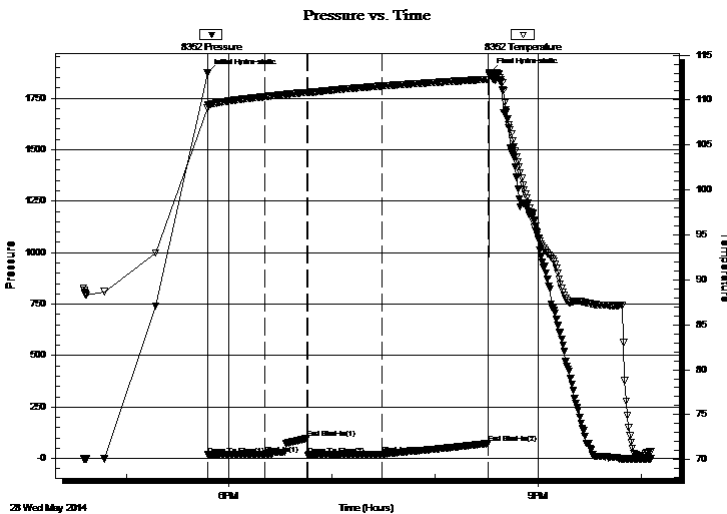
GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:47:29
 Time Test Ended: 22:05:14
Interval: 3777.00 ft (KB) To 3820.00 ft (KB) (TVD)
 Total Depth: 3820.00 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: 1963.00 ft (KB)
 1957.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8352 Outside
 Press@RunDepth: 21.29 psig @ 3778.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.28 End Date: 2014.05.28 Last Calib.: 2014.05.28
 Start Time: 16:35:19 End Time: 22:05:13 Time On Btm: 2014.05.28 @ 17:47:14
 Time Off Btm: 2014.05.28 @ 20:31:44

TEST COMMENT: IF:Weak blow . 3/4" decreasing.
 IS:No blow .
 FF:Weak blow . 1 - 3".
 FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.83	109.11	Initial Hydro-static
1	17.86	109.47	Open To Flow (1)
34	20.99	110.38	Shut-In(1)
58	98.06	110.86	End Shut-In(1)
59	15.43	110.82	Open To Flow (2)
102	21.29	111.56	Shut-In(2)
164	73.76	112.31	End Shut-In(2)
165	1875.19	112.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
18.00	OCM 13%o 87% m/Clean oil @ top of tool	0.25
0.00	75 ft.of GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

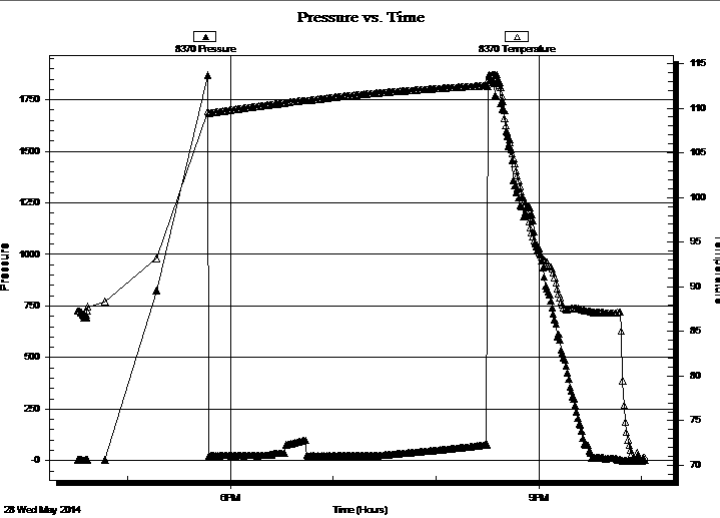
1-22s-15w Pawnee, KS
Shuart #1
 Job Ticket: 54215 **DST#: 3**
 Test Start: 2014.05.28 @ 16:35:14

GENERAL INFORMATION:

Formation: Viola		
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 17:47:29	Tester: Gary Pevoteaux	
Time Test Ended: 22:05:14	Unit No: 56	
Interval: 3777.00 ft (KB) To 3820.00 ft (KB) (TVD)	Reference Elevations: 1963.00 ft (KB)	
Total Depth: 3820.00 ft (KB) (TVD)	1957.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 6.00 ft

Serial #: 8370	Inside			
Press@RunDepth: psig @ 3778.00 ft (KB)	Capacity: 8000.00 psig			
Start Date: 2014.05.28	End Date: 2014.05.28	Last Calib.: 2014.05.28		
Start Time: 16:30:48	End Time: 22:02:12	Time On Btm:		
		Time Off Btm:		

TEST COMMENT: IF:Weak blow . 3/4" decreasing.
 IS:No blow .
 FF:Weak blow . 1 - 3".
 FS:No blow .



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

Recovery		
Length (ft)	Description	Volume (bbl)
18.00	OCM 13%o 87% m/Clean oil @ top of tool	0.25
0.00	75 ft. of 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.

1-22s-15w Pawnee,KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54215

DST#: 3

ATTN: Kurt Talbott

Test Start: 2014.05.28 @ 16:35:14

Tool Information

Drill Pipe:	Length: 3775.00 ft	Diameter: 3.80 inches	Volume: 52.95 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:	70000.00 lb
			<u>Total Volume: 52.95 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3777.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	63.00 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			3758.00	
Shut In Tool	5.00			3763.00	
Hydraulic tool	5.00			3768.00	
Packer	4.00			3772.00	20.00 Bottom Of Top Packer
Packer	5.00			3777.00	
Stubb	1.00			3778.00	
Recorder	0.00	8352	Outside	3778.00	
Recorder	0.00	8370	Inside	3778.00	
Perforations	5.00			3783.00	
Blank Spacing	32.00			3815.00	
Bullnose	5.00			3820.00	43.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc.

1-22s-15w Pawnee,KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54215

DST#: 3

ATTN: Kurt Talbott

Test Start: 2014.05.28 @ 16:35:14

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:

6000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
18.00	OCM 13%o 87%m/Clean oil @ top of tool	0.252
0.00	75 ft.of GIP	0.000

Total Length: 18.00 ft Total Volume: 0.252 bbl

Num Fluid Samples: 0

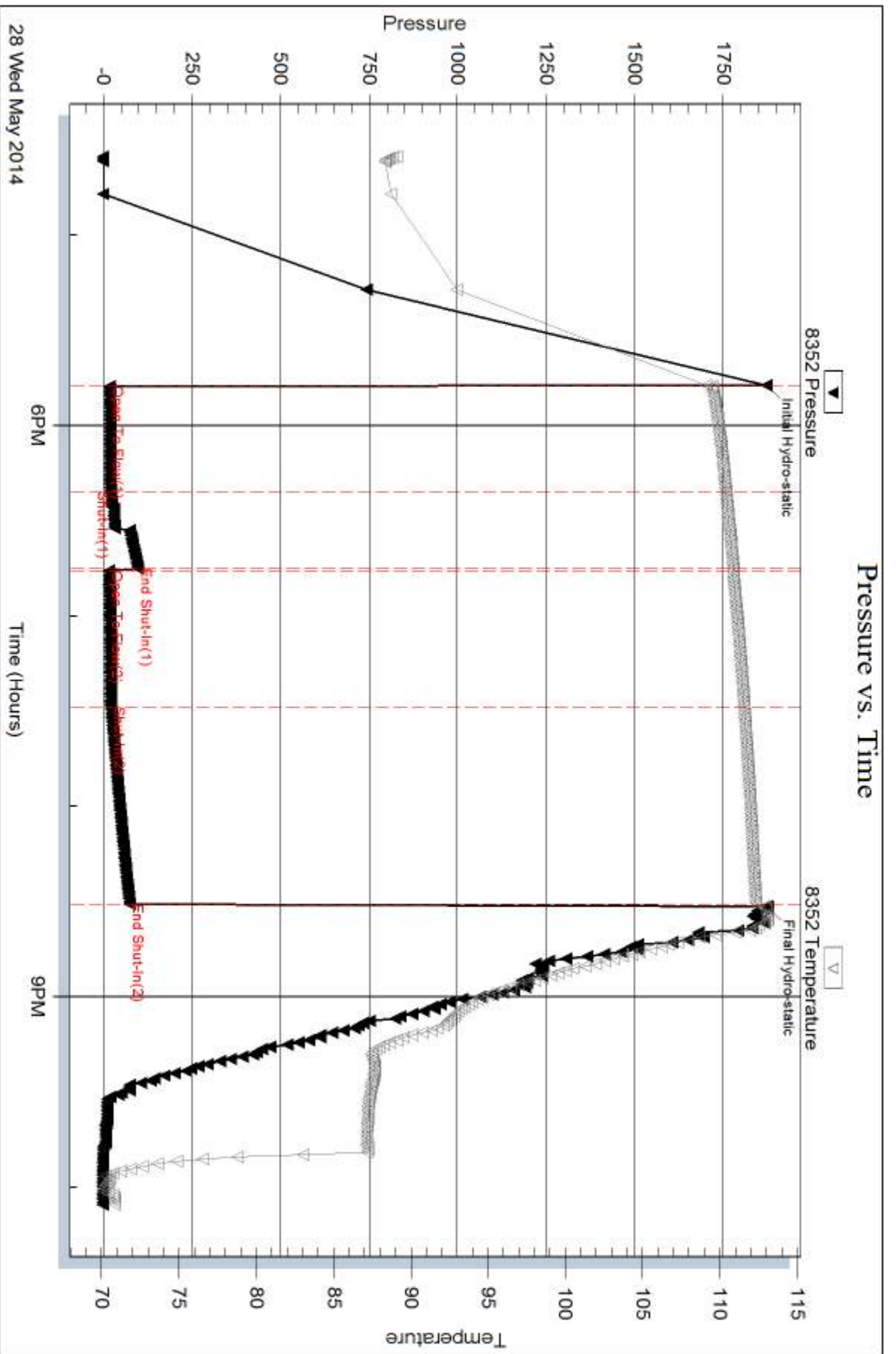
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



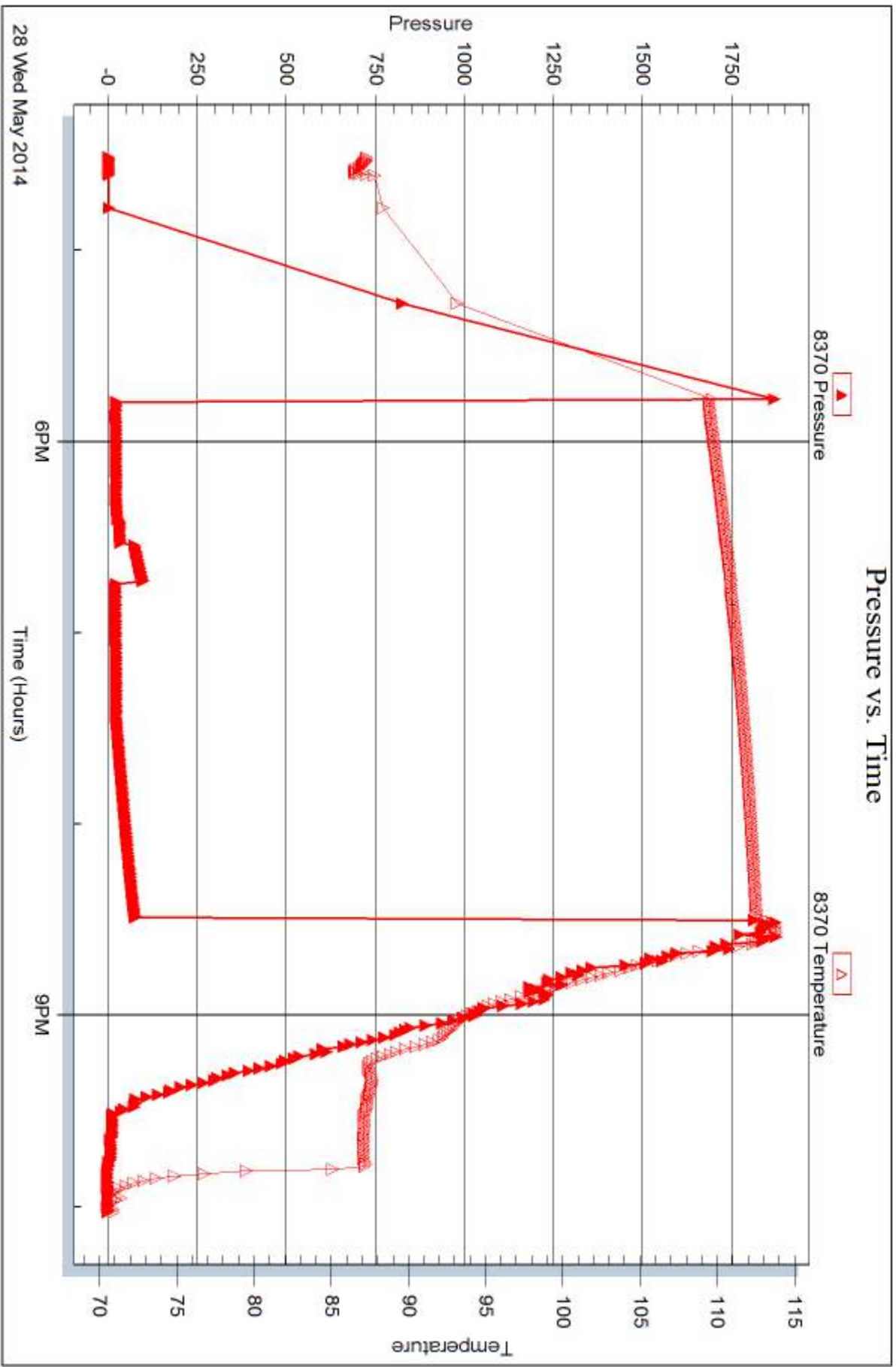
Serial #: 8370

Inside

Charter Energy Inc.

Shuart #1

DST Test Number: 3



28 Wed May 2014

Trilobite Testing, Inc

Ref. No: 54215

Printed: 2014.05.30 @ 14:42:12



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc.**

PO.Box 252
Great Bend KS 67530

ATTN: Kurt Talbott

Shuart #1

1-22s-15w Pawnee,KS

Start Date: 2014.05.29 @ 09:30:03

End Date: 2014.05.29 @ 15:39:48

Job Ticket #: 54216 DST #: 4

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

Printed: 2014.05.30 @ 14:41:31

Charter Energy Inc. 1-22s-15w Pawnee,KS Shuart #1 DST # 4 Simpson/Arbuckle 2014.05.29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy Inc.

1-22s-15w Pawnee,KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54216

DST#: 4

ATTN: Kurt Talbott

Test Start: 2014.05.29 @ 09:30:03

GENERAL INFORMATION:

Formation: **Simpson/Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:55:18

Time Test Ended: 15:39:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: **3778.00 ft (KB) To 3875.00 ft (KB) (TVD)**

Reference Elevations: 1963.00 ft (KB)

Total Depth: 3875.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8352 Outside

Press@RunDepth: 80.62 psig @ 3779.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.29 End Date: 2014.05.29

Last Calib.: 2014.05.29

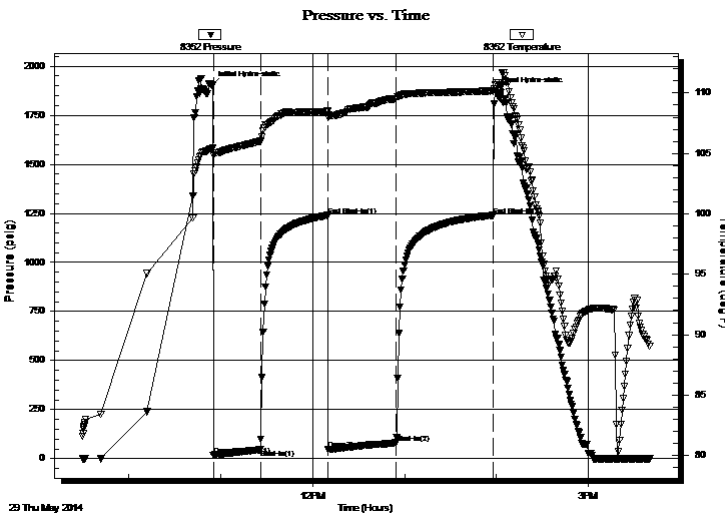
Start Time: 09:30:08 End Time: 15:39:47

Time On Btm: 2014.05.29 @ 10:54:18

Time Off Btm: 2014.05.29 @ 13:59:18

TEST COMMENT: IF:Weak to fair blow . Increase to 4 1/2".
IS:No blow .
FF:Weak to fair blow . Increase to 5".
FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1902.25	105.40	Initial Hydro-static
1	17.83	104.85	Open To Flow (1)
32	46.59	106.01	Shut-In(1)
76	1239.31	108.48	End Shut-In(1)
76	46.35	108.01	Open To Flow (2)
121	80.62	109.51	Shut-In(2)
184	1240.11	110.17	End Shut-In(2)
185	1872.89	110.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w/o specs	0.98
60.00	WM w/o specs 19%w 81%m	0.84

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc.

1-22s-15w Pawnee, KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54216

DST#: 4

ATTN: Kurt Talbott

Test Start: 2014.05.29 @ 09:30:03

GENERAL INFORMATION:

Formation: **Simpson/Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:55:18

Time Test Ended: 15:39:48

Interval: 3778.00 ft (KB) To 3875.00 ft (KB) (TVD)

Total Depth: 3875.00 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: 1963.00 ft (KB)

1957.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8370 Inside

Press@RunDepth: psig @ 3779.00 ft (KB)

Start Date: 2014.05.29

End Date:

2014.05.29

Capacity: 8000.00 psig

Last Calib.:

2014.05.29

Start Time: 09:24:58

End Time:

15:35:07

Time On Btm:

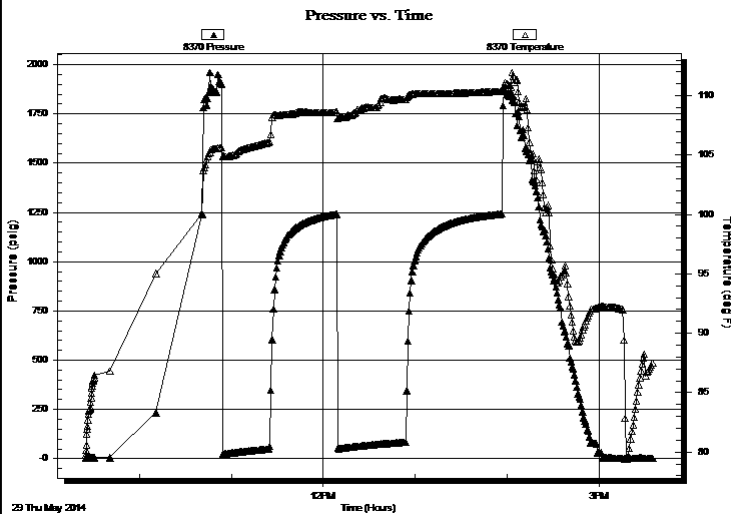
Time Off Btm:

TEST COMMENT: IF:Weak to fair blow . Increase to 4 1/2".

IS:No blow .

FF:Weak to fair blow . Increase to 5".

FS:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w/o specs	0.98
60.00	WM w/o specs 19%w 81%m	0.84

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.

1-22s-15w Pawnee,KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54216

DST#: 4

ATTN: Kurt Talbott

Test Start: 2014.05.29 @ 09:30:03

Tool Information

Drill Pipe:	Length: 3773.00 ft	Diameter: 3.80 inches	Volume: 52.93 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: 71000.00 lb
			<u>Total Volume: 52.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3778.00 ft			Final 55500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	117.00 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			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Packer	4.00			3773.00	20.00 Bottom Of Top Packer
Packer	5.00			3778.00	
Stubb	1.00			3779.00	
Recorder	0.00	8352	Outside	3779.00	
Recorder	0.00	8370	Inside	3779.00	
Perforations	4.00			3783.00	
Blank Spacing	63.00			3846.00	
Perforations	24.00			3870.00	
Bullnose	5.00			3875.00	97.00 Bottom Packers & Anchor

Total Tool Length: 117.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc.

1-22s-15w Pawnee,KS

PO.Box 252
Great Bend KS 67530

Shuart #1

Job Ticket: 54216

DST#: 4

ATTN: Kurt Talbott

Test Start: 2014.05.29 @ 09:30:03

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:

24000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
70.00	Mud w/o specs	0.982
60.00	WM w/o specs 19%w 81%m	0.842

Total Length: 130.00 ft Total Volume: 1.824 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

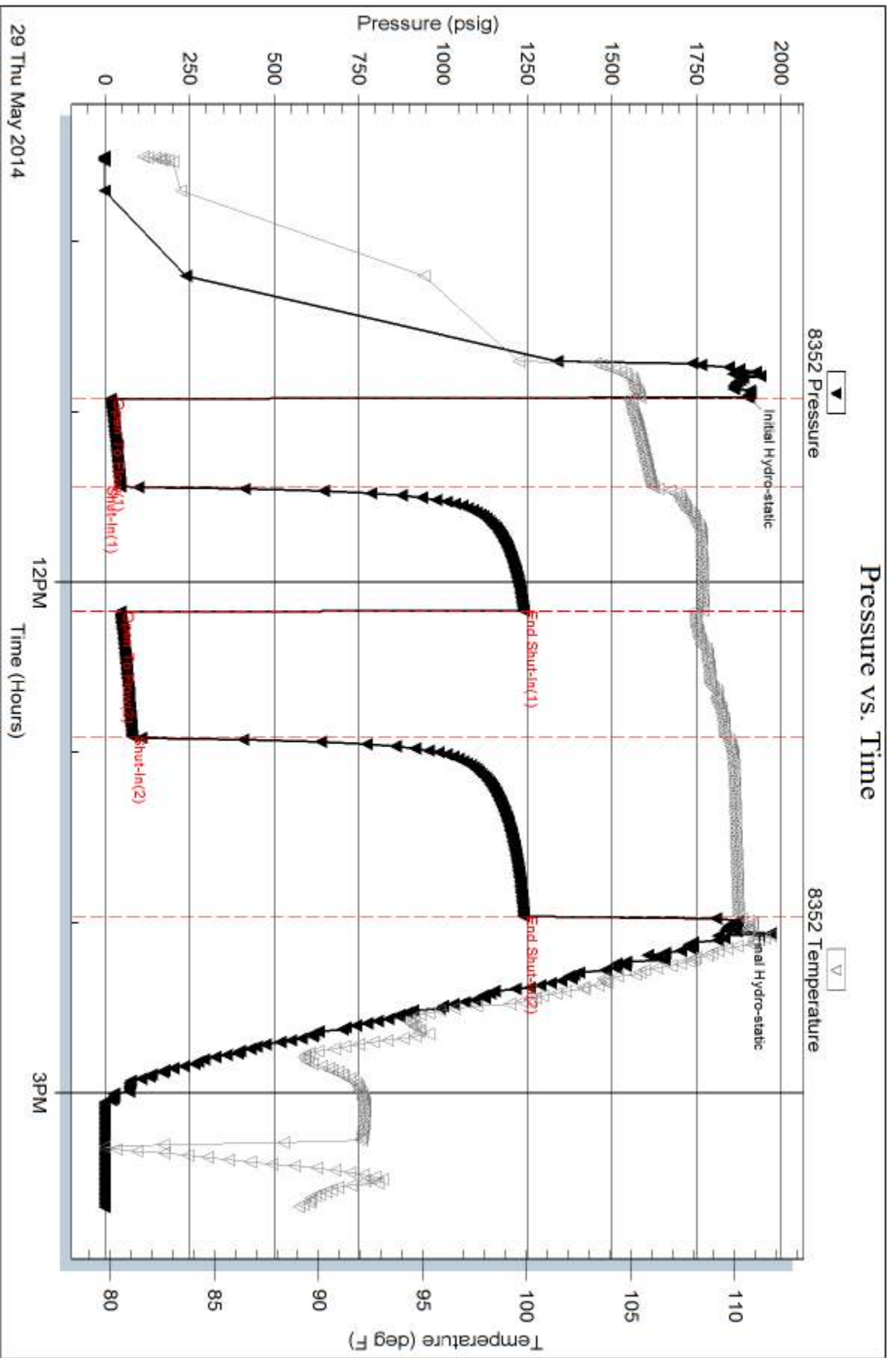
Recovery Comments: Rw .23 ohms@85 deg

Serial #: 8352

Outside Charter Energy Inc.

Shunt #1

DST Test Number: 4



29 Thu May 2014

Triobite Testing, Inc

Ref. No: 54216

Printed: 2014.05.30 @ 14:41:32

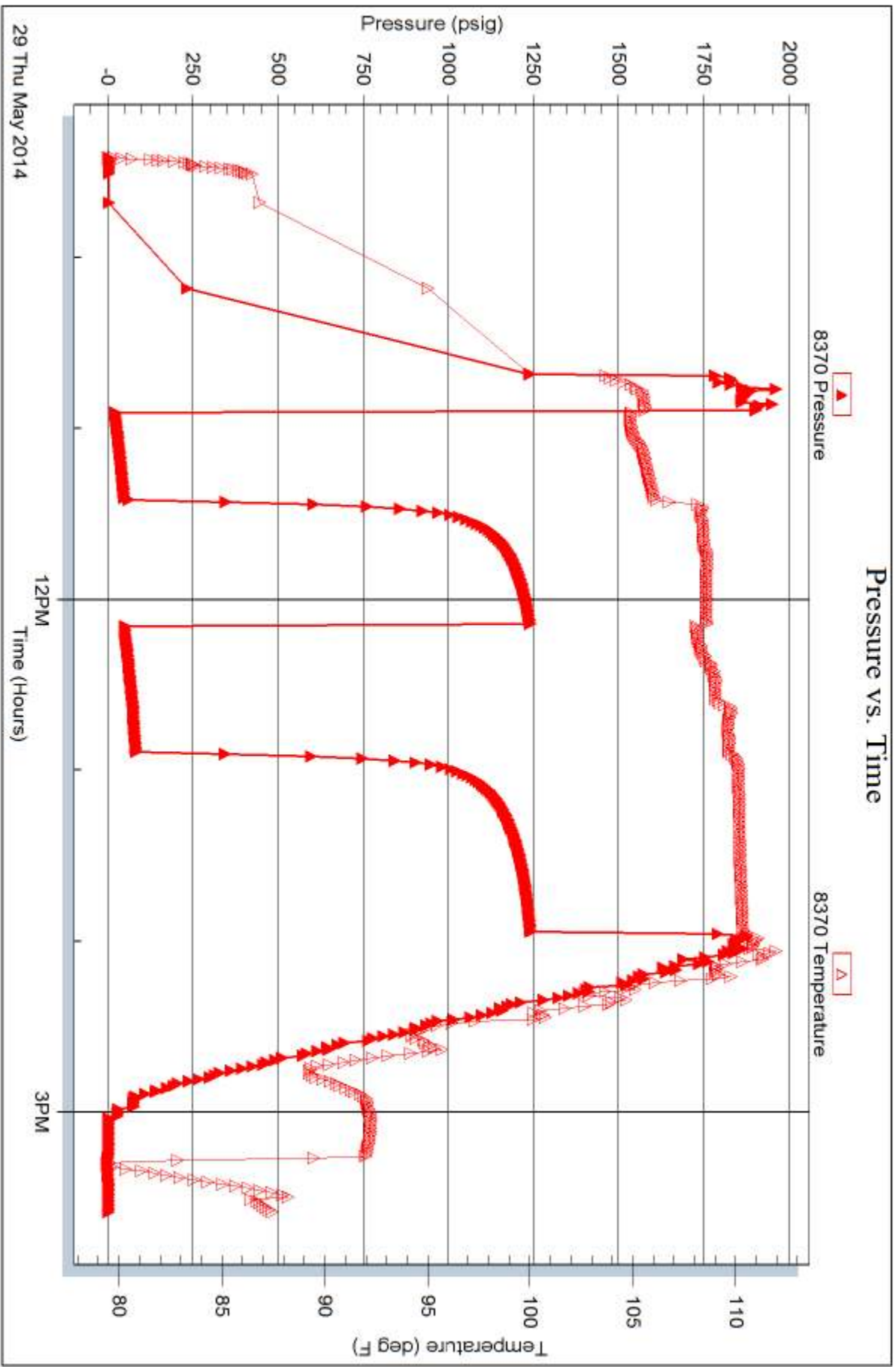
Serial #: 8370

Inside

Charter Energy Inc.

Shuart #1

DST Test Number: 4

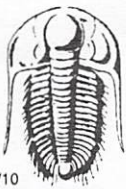


29 Thu May 2014

Trilobite Testing, Inc

Ref. No: 54216

Printed: 2014.05.30 @ 14:41:32



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54213

Well Name & No. STUART # 1 Test No. 1 Date 5-27-14
 Company CHARTER ENERGY INC. Elevation 1963 KB 1957 GL
 Address P.O. Box 252, GREAT BEND KS. 67530
 Co. Rep / Geo. KURT TALBOTT Rig ROYAL DRUG # 1
 Location: Sec. 1 Twp. 22S Rge. 15W Co. SAWNEE State Ks

Interval Tested 3543-3600 Zone Tested LWS
 Anchor Length 57' Drill Pipe Run 3554' Mud Wt. 9.4
 Top Packer Depth 3538' Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3543' Wt. Pipe Run 0 WL 8.4cc
 Total Depth 3600 Chlorides 4700 ppm System LCM 0
 Blow Description IF: Weak blow. 1/2 - 3 1/2". ISI: No blow.
FF: Weak blow. 1/2 - 2". FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>92</u>	<u>MW</u>		<u>72</u>	<u>28</u>	
	<u>Oil seep @ top of tool</u>				

Rec Total 92 BHT 110 Gravity N/A API RW 08 @ 75 ° F Chlorides 86,000 ppm
 (A) Initial Hydrostatic 1778 Test 1150 T-On Location 1118
 (B) First Initial Flow 17 Jars _____ T-Started 1156
 (C) First Final Flow 37 Safety Joint _____ T-Open 1318
 (D) Initial Shut-In 1004 Circ Sub _____ T-Pulled 1552
 (E) Second Initial Flow 39 Hourly Standby _____ T-Out 1730
 (F) Second Final Flow 60 Mileage 90 139.50 Comments _____
 (G) Final Shut-In 986 Sampler _____
 (H) Final Hydrostatic 1741 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1289.50

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45

Sub Total 1289.50

Approved By _____ Our Representative Craig Wolcott
 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. 54214

4/10

Well Name & No. SHUART #1 Test No. 2 Date 5-28-14
 Company CHARTER ENERGY INC. Elevation 1963 KB 1957 GL
 Address P.O. Box 252, GREAT BEND KS. 67530
 Co. Rep / Geo. KURT TALBOTT Rig ROYAL DRIG. #1
 Location: Sec. 1 Twp. 22S Rge. 15W Co. PAWNEE State KS.

Interval Tested 3753 - 3820' Zone Tested U20LA
 Anchor Length 67' Drill Pipe Run 3742' Mud Wt. 9.4
 Top Packer Depth 3748' Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3753' Wt. Pipe Run 0 WL 8.4cc
 Total Depth 3820' Chlorides 4800 ppm System LCM 0
 Blow Description IF: Strong blow - Packers failed. Picked up & re-set tool using more string weight. Packers failed! Missum!

Rec	Feet of	%gas	%oil	%water	%mud
<u>195</u>	<u>Drig. Mud.</u>				

Rec Total 195' BHT _____ Gravity N/A API RW N.C. @ ~ °F Chlorides 4800 ppm
 Test Missum 950 T-On Location 1240
 Jars _____ T-Started 1251
 Safety Joint _____ T-Open 1408
 Circ Sub _____ T-Pulled 1422
 Hourly Standby _____ T-Out 1619
 Mileage NO CHARGE 139.50 Comments _____
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1089.50

Initial Open 5-10 secs.
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____

Sub Total 1089.50
 Total 1089.50
 MP/DST Disc't _____

Approved By _____ Our Representative [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. 54215

4/10

Well Name & No. SHUART #1 Test No. 3 Date 5-28-14
 Company CHARTER ENERGY INC. Elevation 1963 KB 1957 GL
 Address PO. BOX 252, GREAT BEND KS. 67530
 Co. Rep / Geo. KURT TALBOTT Rig ROYAL DIRLG. #1
 Location: Sec. 1 Twp. 22^S Rge. 15^W Co. PAWNEE State KS.

Interval Tested 3777-3820' Zone Tested NIOLA
 Anchor Length 43' Drill Pipe Run 3775' Mud Wt. 9.4
 Top Packer Depth 3772' Drill Collars Run 0 Vis 60
 Bottom Packer Depth 3777' Wt. Pipe Run 0 WL 9.6 cc
 Total Depth 3820' Chlorides 6,000 ppm System LCM 0

Blow Description IF: Weak blow. 3/4" densuring. ISI: No blow.
FF: Weak blow. 1-3". FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>Gas in pipe</u>				
<u>18</u>	<u>ccm / clean oil @ tool top</u>		<u>13%</u>		<u>87%</u>

Rec Total 18 Fluid BHT 112° Gravity N/A API RW N.C. @ — °F Chlorides 6,000 ppm

(A) Initial Hydrostatic 1872 Test 1150 T-On Location N/A
 (B) First Initial Flow 18 Jars _____ T-Started 1635
 (C) First Final Flow 21 Safety Joint _____ T-Open 1747
 (D) Initial Shut-In 98 Circ Sub _____ T-Pulled 2028
 (E) Second Initial Flow 15 Hourly Standby _____ T-Out 2205
 (F) Second Final Flow 21 Mileage 90 Comments _____
 (G) Final Shut-In 74 Sampler _____
 (H) Final Hydrostatic 1875 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1400
 Accessibility _____ MP/DST Dis't _____
 Sub Total 1400

Approved By _____ Our Representative Cam [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. 54216

Well Name & No. SHUART #1 Test No. 4 Date 5-29-14
 Company CHARTER ENERGY INC. Elevation 1963 KB 1957 GL
 Address GREAT BEND KS. 67530
 Co. Rep / Geo. KURT TALBOTT Rig ROYAL DRILLG. #1
 Location: Sec. 1 Twp. 22S Rge. 15W Co. PAWNEE State Ks.

Interval Tested 3778-3875' Zone Tested SIMPSON / ARBUCKLE
 Anchor Length 97' Drill Pipe Run 3773' Mud Wt. 9.4
 Top Packer Depth 3773 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 3778 Wt. Pipe Run 0 WL 10.4cc
 Total Depth 3875 Chlorides 6600 ppm System LCM 0

Blow Description IF: Weak to fair blow. Increase to 4'12".
ISI: No blow.
FF: Weak to fair blow. Increase to 5". FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>Mud w/o specs</u>				
<u>60</u>	<u>WM / w specs.</u>			<u>19</u>	<u>81</u>

Rec Total 130 Fluid BHT 110° Gravity N/A API RW 123 @ 85° F Chlorides 24,000 ppm

(A) Initial Hydrostatic <u>1902</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0927</u>
(B) First Initial Flow <u>18</u>	<input type="checkbox"/> Jars	T-Started <u>0930</u>
(C) First Final Flow <u>47</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1055</u>
(D) Initial Shut-In <u>1239</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1358</u>
(E) Second Initial Flow <u>46</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1539</u>
(F) Second Final Flow <u>81</u>	<input checked="" type="checkbox"/> Mileage <u>(90)</u> <u>139.50</u>	Comments
(G) Final Shut-In <u>1240</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1873</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1539.50</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1539.50</u>	

Approved By _____ Our Representative Gray Dvorchansky
 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.