

1222563

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> _____ <i>(Submit ACO-4)</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. 074

Date	6-17-14	Sec.	18	Twp.	20	Range	15	County	Barton	State	Ks	On Location		Finish	1:15 PM	
Lease	Deckert							Well No.	1	Owner 35 to 30 Rd, 2w to 130 Ave, 1/2 S W Hr						
Contractor	Royal		#1		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															
Hole Size	12 1/4"		T.D.		1118'		Charge To		Charter Energy							
Csg.	8 5/8"		Depth		1118'		Street									
Tbg. Size			Depth		City											
Tool			Depth		State											
Cement Left in Csg.	30'		Shoe Joint		30'		The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line			Displace		69 1/4 BLS		Cement Amount Ordered 450 60/40 3% CL 2% Gel									
EQUIPMENT							1/2 # Flo. seal per sack									
Pumptrk	16		No.		Cementer		Common 270									
					Helper		Poz. Mix 180									
Bulktrk	13		No.		Driver		Gel. 9									
					Driver		Calcium 18									
Bulktrk	p.u.		No.		Driver		Hulls									
					Driver		Salt									
JOB SERVICES & REMARKS							Flowseal 225 #									
Remarks:	Cement did Circulate															
Rat Hole	Kol-Seal															
Mouse Hole	Mud CLR 48															
Centralizers	CFL-117 or CD110 CAF 38															
Baskets	Sand															
D/V or Port Collar	Handling 477															
							Mileage									
							FLOAT EQUIPMENT									
							Guide Shoe									
							Centralizer									
							Baskets									
							AFU Inserts									
							Float Shoe									
							Latch Down									
							1 Rubber plug									
							Pumptrk Charge Long Surface									
							Mileage 15									
							Tax									
							Discount									
							Total Charge									
Signature							Roy Buz									



CHARGE TO: Charter Energy Inc
 ADDRESS: [Blank]
 CITY, STATE, ZIP CODE: [Blank]

TICKET 26640
 PAGE 1 OF 2

SERVICE LOCATIONS
 1. Hays, KS. WELL PROJECT NO. #1 LEASE Deckert COUNTY/PARISH Pawnee STATE KS CITY [Blank] DATE 6-23-14 OWNER Same
 2. Ness City, KS. CONTRACTOR Royal D-14 RIG NAME/NO. [Blank] SHIPPED VIA [Blank] DELIVERED TO [Blank] ORDER NO. [Blank]
 3. [Blank] WELL TYPE [Blank] WELL CATEGORY Development JOB PURPOSE Longstring WELL PERMIT NO. [Blank] WELL LOCATION [Blank]
 4. [Blank] INVOICE INSTRUCTIONS [Blank]

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					# 111	60	mi				6.00	360.00
578					Pump Charge Longstring	1	ea	3915	'		1500.00	1500.00
221					KCL	2	gal				25.00	50.00
281					Med/Plush	5	gals				1.25	6.25
290					D-Air	2	gal				42.00	84.00
402					Centralizers	10	ea	5-1/2	"		70.00	700.00
403					Basket	1	ea				300.00	300.00
406					LD Plug & Bottle	1	ea				225.00	225.00
407					Essort Flat Shoe w/Drill	1	ea				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
 DATE SIGNED: 6-23-14 TIME SIGNED: 1:20 PM
 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				page 2
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				page 2
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				page 2
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		page 2
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				page 2
TOTAL				12,341.40

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR: [Signature] APPROVAL: [Signature]
 Thank You!



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

TICKET CONTINUATION

TICKET No. 26640 PAGE 2 OF 2

CUSTOMER *Charter Energy Inc*

WELL #1 Decker

DATE 6-23-14

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY.	UM	QTY.	UM				
225		2				Standard Cement	175	skts				1450	2537.50	
276		2				Floater	50	#				250	125.00	
283		2				Salt	900	#				200	180.00	
284		2				Calsea	8	skts				35.00	280.00	
286		2				Holad. 1	80	#				850	680.00	
257		2				Gas Stop	336	#				80.00	2640.00	
581		2				SERVICE CHARGE						2.00	350.00	
583		2				MILEAGE CHARGE						1.00	558.50	
							TOTAL WEIGHT	18610						
							LOADED MILES	60						
							CUBIC FEET	175						
							TON MILES	558.5						

CONTINUATION TOTAL 731.00



DRILL STEM TEST REPORT

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

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Deckert #1

18-20s-15w Barton,KS

Start Date: 2014.06.21 @ 10:25:00

End Date: 2014.06.21 @ 18:05:00

Job Ticket #: 59401 DST #: 1

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

Printed: 2014.06.24 @ 13:51:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

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

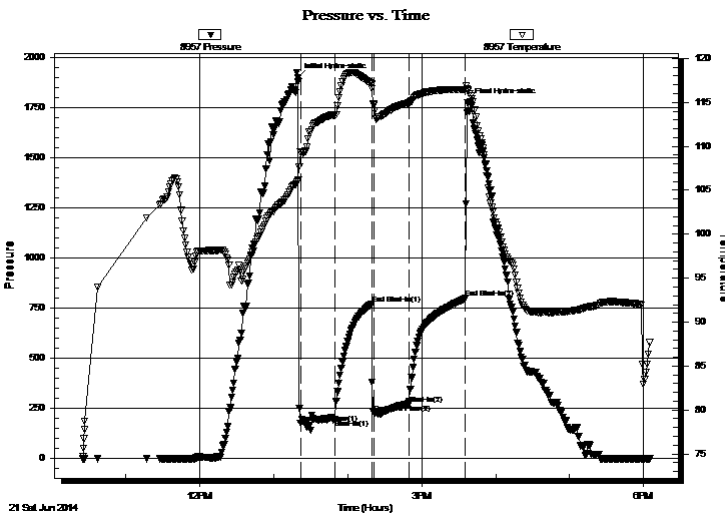
GENERAL INFORMATION:

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

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

TEST COMMENT: IF-BOB in 15 sec
 IS-BOB in 30 sec
 FF-BOB Immediately
 FS-BOB in 30 sec

PRESSURE SUMMARY



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

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy, Inc.

18-20s-15w Barton, KS

PO Box 252
Great Bend KS 67530

Deckert #1

Job Ticket: 59401

DST#: 1

ATTN: Jim Musgrove

Test Start: 2014.06.21 @ 10:25:00

Tool Information

Drill Pipe:	Length: 3745.00 ft	Diameter: 3.80 inches	Volume: 52.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3755.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3740.00	
Hydraulic tool	5.00			3745.00	
Packer	5.00			3750.00	20.00 Bottom Of Top Packer
Packer	5.00			3755.00	
Stubb	1.00			3756.00	
Recorder	0.00	8934	Inside	3756.00	
Recorder	0.00	8957	Outside	3756.00	
Perforations	2.00			3758.00	
Change Over Sub	1.00			3759.00	
Drill Pipe	32.00			3791.00	
Change Over Sub	1.00			3792.00	
Perforations	15.00			3807.00	
Bullnose	3.00			3810.00	55.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.

18-20s-15w Barton, KS

PO Box 252
Great Bend KS 67530

Deckert #1

Job Ticket: 59401

DST#: 1

ATTN: Jim Musgrove

Test Start: 2014.06.21 @ 10:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

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

Total Length: 1155.00 ft

Total Volume: 16.202 bbl

Num Fluid Samples: 0

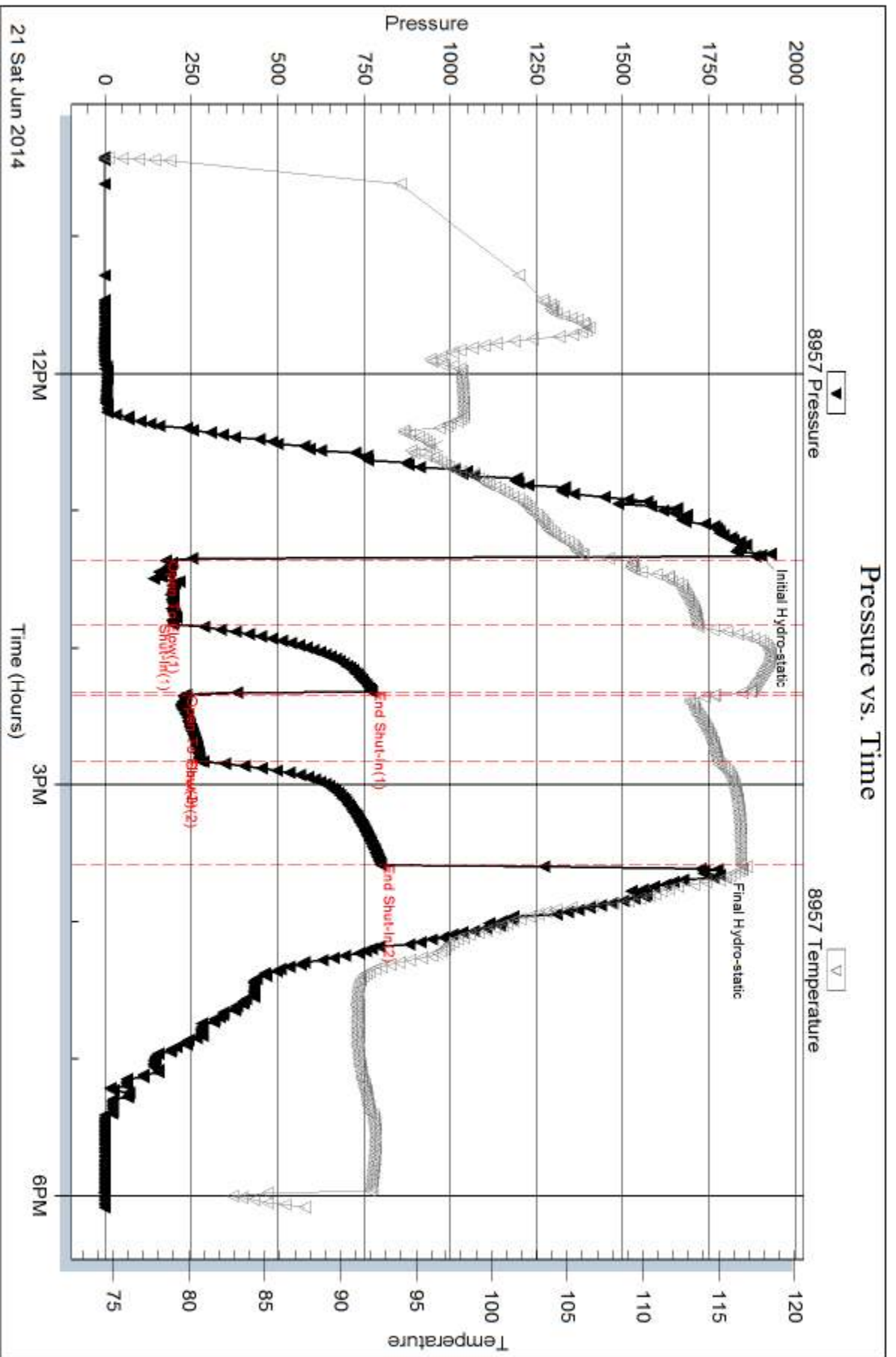
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



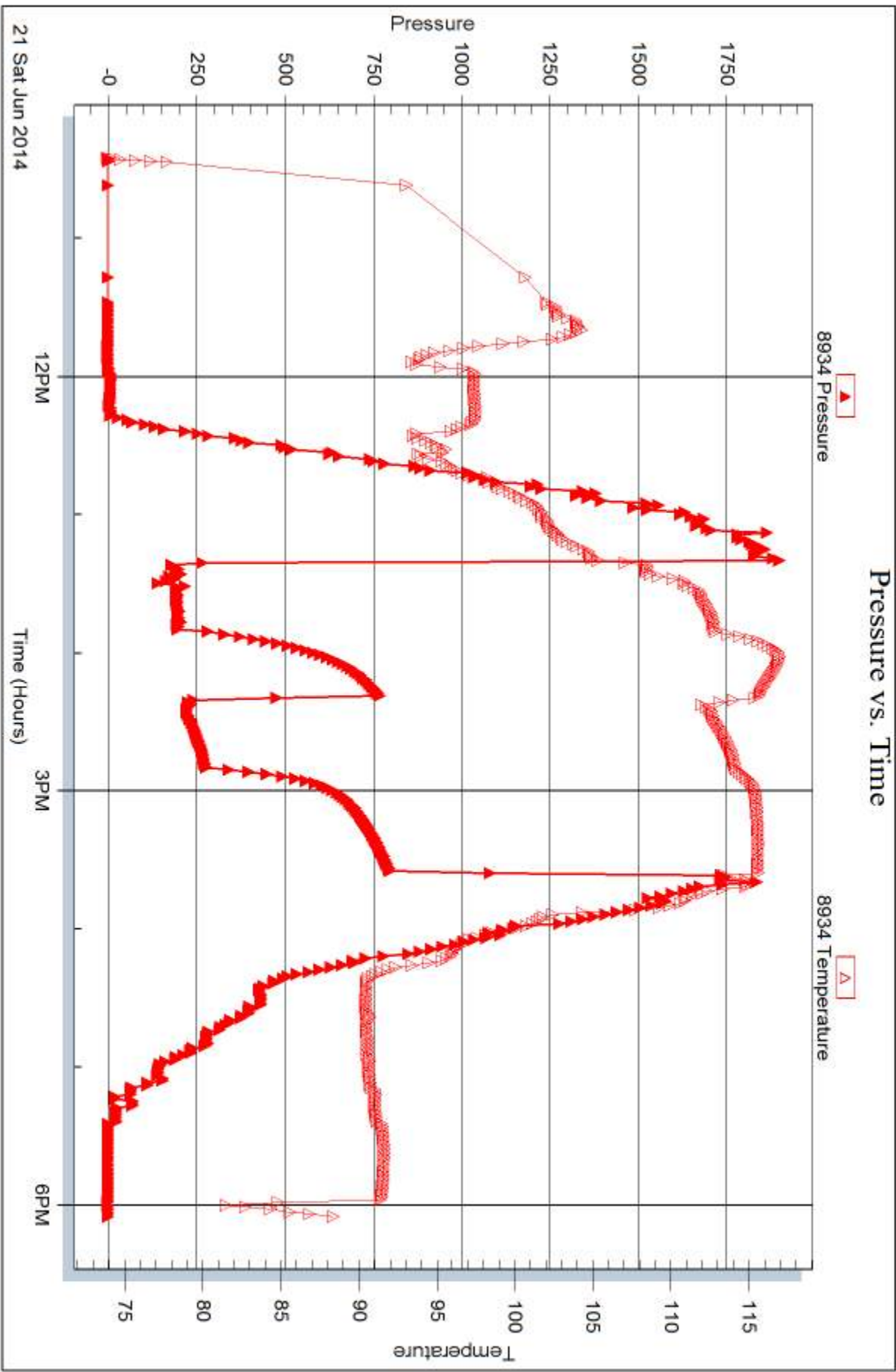
Serial #: 8934

Inside

Charter Energy, Inc.

Deckert #1

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Deckert #1

18-20s-15w Barton,KS

Start Date: 2014.06.21 @ 22:50:00

End Date: 2014.06.22 @ 04:58:15

Job Ticket #: 59402 DST #: 2

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

Printed: 2014.06.24 @ 13:51:03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

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

Tool Information

Drill Pipe:	Length: 3801.00 ft	Diameter: 3.80 inches	Volume: 53.32 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	63000.00 lb
			<u>Total Volume: 53.32 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3816.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	29.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3801.00	
Hydraulic tool	5.00			3806.00	
Packer	5.00			3811.00	20.00 Bottom Of Top Packer
Packer	5.00			3816.00	
Stubb	1.00			3817.00	
Recorder	0.00	8934	Inside	3817.00	
Recorder	0.00	8957	Outside	3817.00	
Perforations	5.00			3822.00	
Bullnose	3.00			3825.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.

18-20s-15w Barton, KS

PO Box 252
Great Bend KS 67530

Deckert #1

Job Ticket: 59402

DST#: 2

ATTN: Jim Musgrove

Test Start: 2014.06.21 @ 22:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

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

Total Length: 62.00 ft Total Volume: 0.870 bbl

Num Fluid Samples: 0

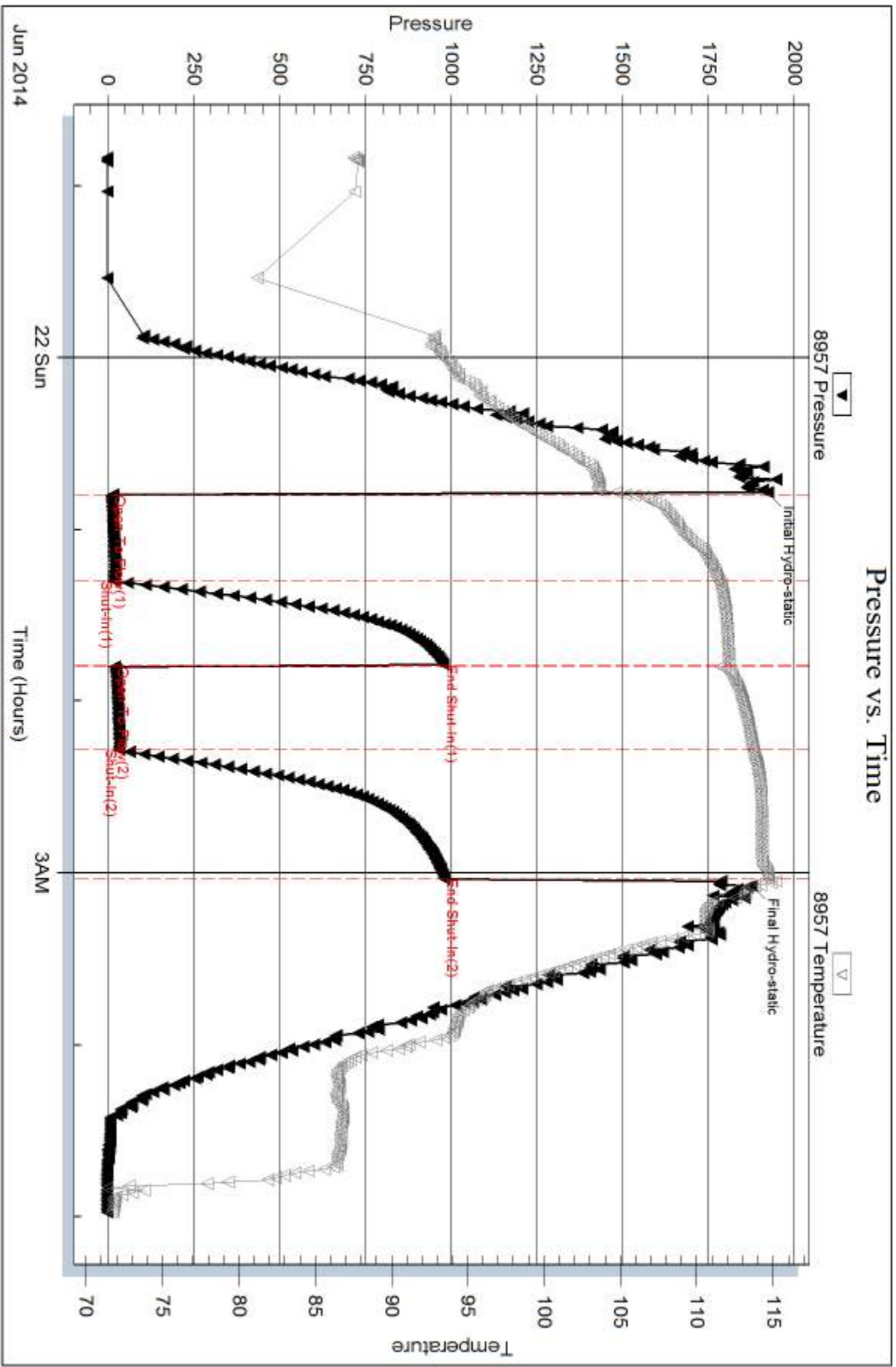
Num Gas Bombs: 0

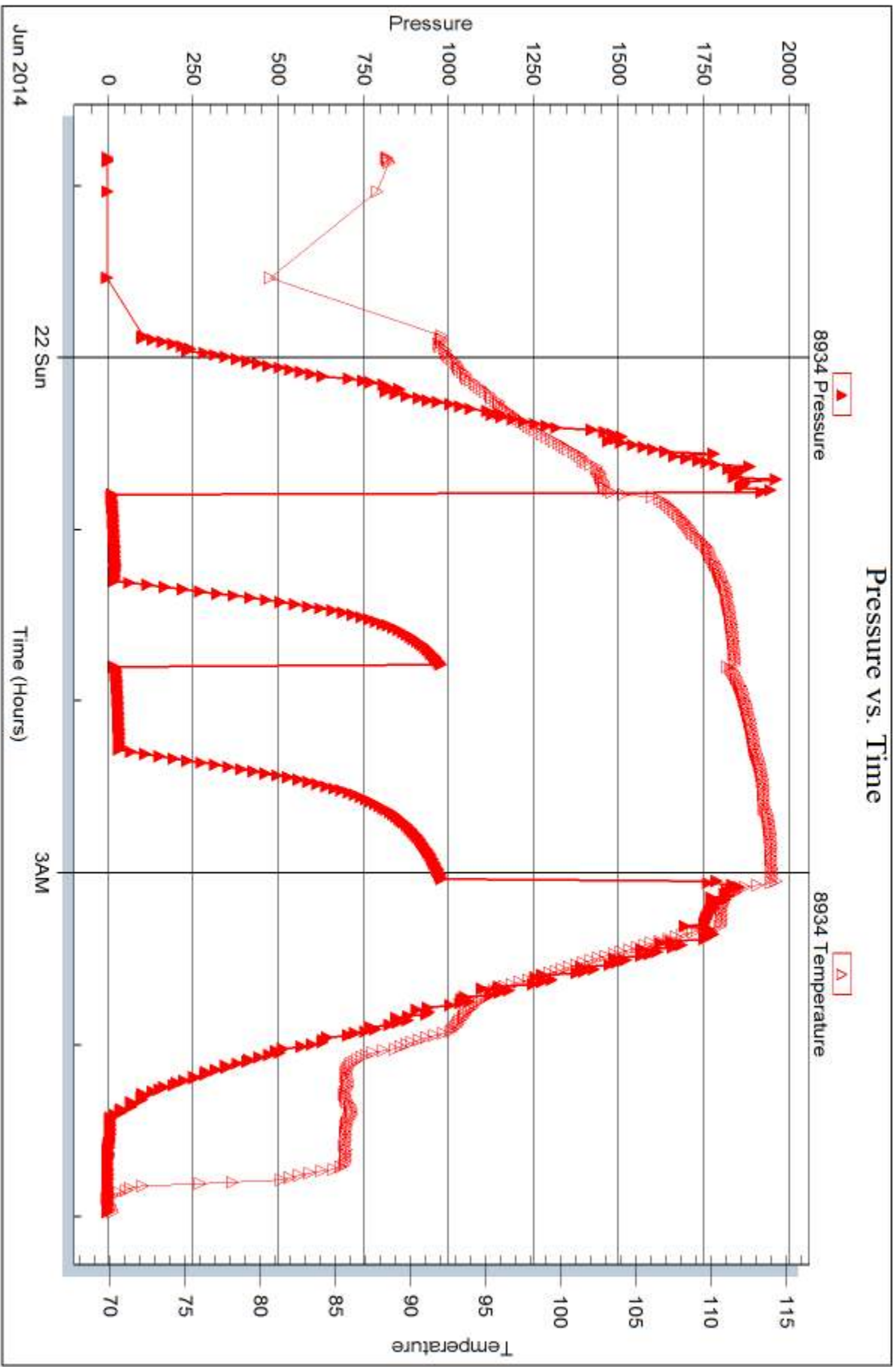
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Deckert #1

18-20s-15w Barton,KS

Start Date: 2014.06.22 @ 10:20:00

End Date: 2014.06.22 @ 17:50:45

Job Ticket #: 59403 DST #: 3

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

Printed: 2014.06.24 @ 13:50:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy, Inc.

18-20s-15w Barton, KS

PO Box 252
Great Bend KS 67530

Deckert #1

Job Ticket: 59403

DST#: 3

ATTN: Jim Musgrove

Test Start: 2014.06.22 @ 10:20:00

Tool Information

Drill Pipe:	Length: 3816.00 ft	Diameter: 3.80 inches	Volume: 53.53 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 53.53 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3826.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	39.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3811.00	
Hydraulic tool	5.00			3816.00	
Packer	5.00			3821.00	20.00 Bottom Of Top Packer
Packer	5.00			3826.00	
Stubb	1.00			3827.00	
Recorder	0.00	8934	Inside	3827.00	
Recorder	0.00	8957	Outside	3827.00	
Perforations	15.00			3842.00	
Bullnose	3.00			3845.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

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

Mud and Cushion Information

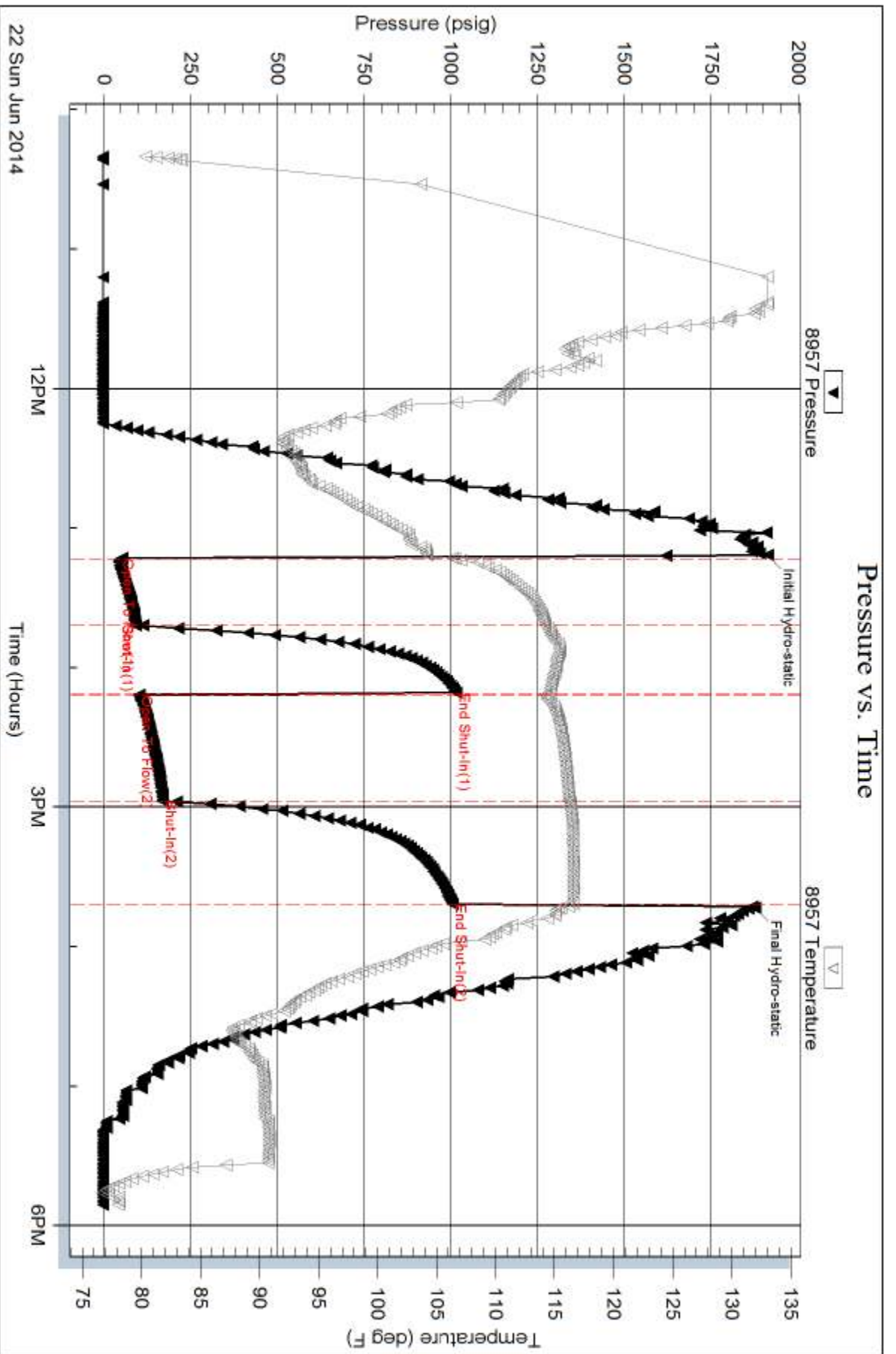
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

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

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



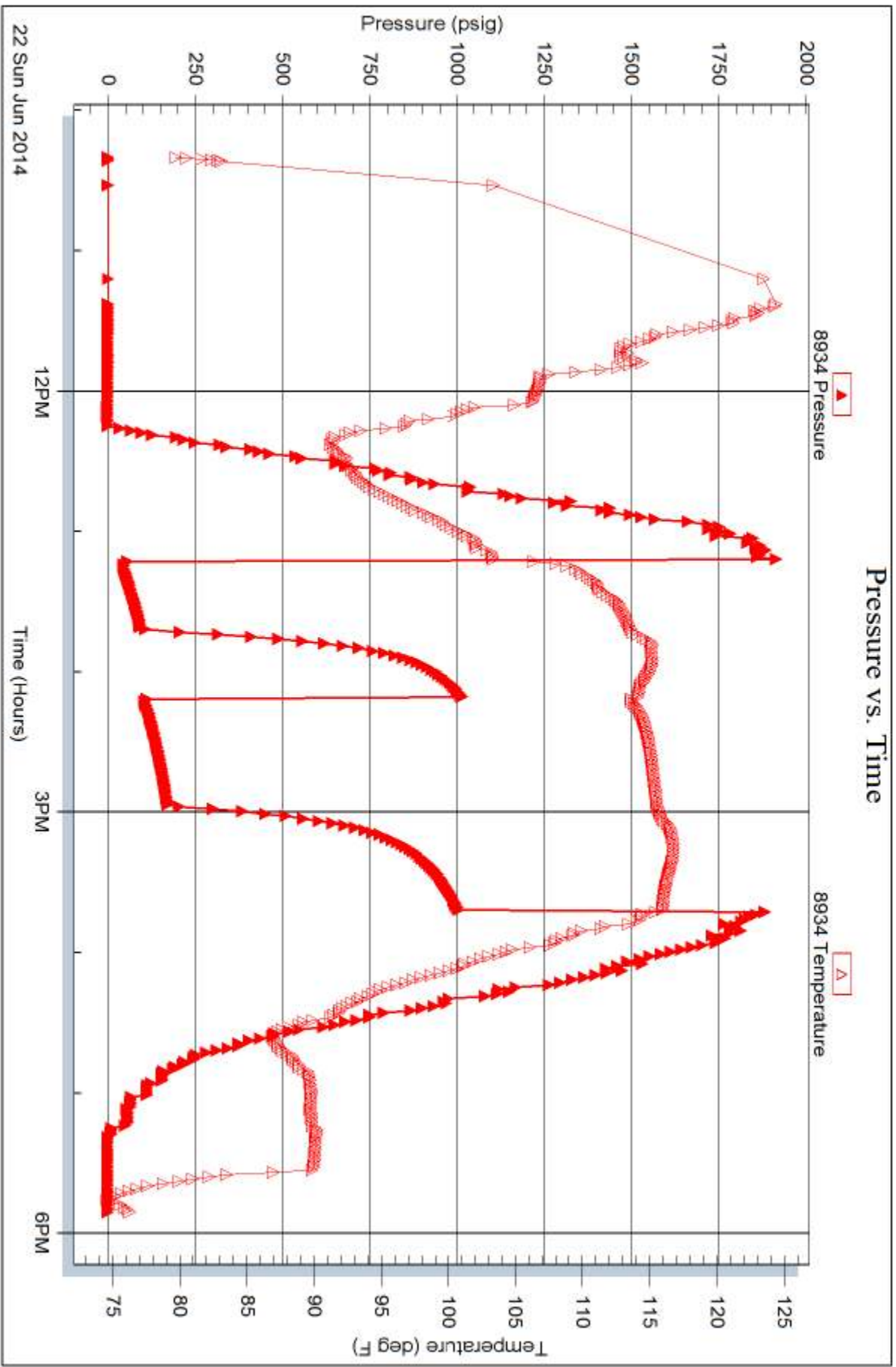
Serial #: 8934

Inside

Charter Energy, Inc.

Deckert #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59401

4/10

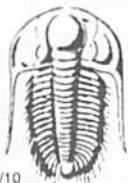
Well Name & No. Decker #1 Test No. 1 Date 6/21/14
 Company Charter Energy, Inc Elevation 2099 KB 2092 GL
 Address PO Box 252 Great bend KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 18 Twp. 20 Rge. 15 Co. Barton State KS

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

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>vsow</u>		<u>5</u>	<u>95</u>	
<u>185</u>	<u>GWCO</u>	<u>30</u>	<u>45</u>	<u>25</u>	
<u>310</u>	<u>GOWCW</u>	<u>30</u>	<u>20</u>	<u>30</u>	<u>20</u>
<u>340</u>	<u>GOWCM</u>	<u>35</u>	<u>10</u>	<u>20</u>	<u>35</u>
<u>#60</u>	<u>OS Mud</u>	<u>675</u>			

Rec Total 1155 BHT _____ Gravity _____ API RW 18 @ 70 °F Chlorides 42,000 ppm
 (A) Initial Hydrostatic 4,899 Test 1150 T-On Location 10:00
 (B) First Initial Flow 175 Jars _____ T-Started 10:25
 (C) First Final Flow 195 Safety Joint _____ T-Open 13:18
 (D) Initial Shut-In 772 Circ Sub _____ T-Pulled 15:33
 (E) Second Initial Flow 228 Hourly Standby _____ T-Out 18:00
 (F) Second Final Flow 274 Mileage 115 RT 178.25 Comments _____
 (G) Final Shut-In 799 Sampler _____
 (H) Final Hydrostatic 4,774 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1328.25
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1328.25

Approved By _____ Our Representative Brian Decker
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59402

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

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

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

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

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

(A) Initial Hydrostatic 1922 Test 1150 T-On Location 22:50
 (B) First Initial Flow 11 Jars _____ T-Started 22:50
 (C) First Final Flow 21 Safety Joint _____ T-Open 00:47
 (D) Initial Shut-In 978 Circ Sub _____ T-Pulled 3:02
 (E) Second Initial Flow 20 Hourly Standby _____ T-Out 4:58
 (F) Second Final Flow 33 Mileage 115 FT 178.25 Comments _____
 (G) Final Shut-In 980 Sampler _____
 (H) Final Hydrostatic 1875 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1328.25
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1328.25

Approved By _____ Our Representative Brett Dulin

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59403

Well Name & No. Peckert #1 Test No. 3 Date 6/22/14
 Company Charter Energy, Inc Elevation 2099 KB 2092 GL
 Address PO Box 257 Greatbend KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 18 Twp. 20 Rge. 15 Co. Barton State KS

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

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

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

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

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

Approved By _____ Our Representative Burt [Signature]

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