



KANSAS CORPORATION COMMISSION 1088738  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9090  
Name: Charter Energy, Inc.  
Address 1: PO BOX 252  
Address 2: \_\_\_\_\_  
City: GREAT BEND State: KS Zip: 67530 + 0252  
Contact Person: Steve Baize  
Phone: (620) 793-9090  
CONTRACTOR: License # 33905  
Name: Royal Drilling Inc  
Wellsite Geologist: Jim Musgrove  
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  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>02/06/2012</u>	<u>02/12/2012</u>	<u>06/27/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25656-00-00

Spot Description: \_\_\_\_\_  
SE NE NW SE Sec. 16 Twp. 16 S. R. 13  East  West  
2283 Feet from  North /  South Line of Section  
1605 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Barton

Lease Name: Krug / Allan Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: Arbuckle

Elevation: Ground: 1945 Kelly Bushing: 1952

Total Depth: 3423 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 452 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: 51000 ppm Fluid volume: 1200 bbls

Dewatering method used: Evaporated

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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Danna Garcia Date: 08/01/2012



1088738

Operator Name: Charter Energy, Inc. Lease Name: Krug / Allan Well #: 1  
 Sec. 16 Twp. 16 S. R. 13  East  West County: Barton

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  CDN, DIL, Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>881</td> <td>+1071</td> </tr> <tr> <td>Heebner</td> <td>3077</td> <td>-1125</td> </tr> <tr> <td>Lansing</td> <td>3165</td> <td>-1213</td> </tr> <tr> <td>Arbuckle</td> <td>3401</td> <td>-1449</td> </tr> </table>	Name	Top	Datum	Anhydrite	881	+1071	Heebner	3077	-1125	Lansing	3165	-1213	Arbuckle	3401	-1449
Name	Top	Datum														
Anhydrite	881	+1071														
Heebner	3077	-1125														
Lansing	3165	-1213														
Arbuckle	3401	-1449														

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	452	common	190	3%cc 2%gel
Production	7.875	5.5	14	3496	EA-2	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3434 - 3437		
	CIBP @ 3430		
4	3410 - 3412		
4	3416 - 3420		

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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 (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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# QUALITY OILWELL CEMENTING, INC.

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

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

No. 620

Date	2-7-12	Sec.	116	Twp.	116	Range	13	County	Barren	State	KS	On Location		Finish	9:45 AM
Lease	Arva Allen	Well No.	1		Location										
Contractor											Owner				
Type Job											To Quality Oilwell Cementing, Inc.				
Hole Size											You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Csg.											Charge To				
Tbg. Size											Street				
Tool											City State				
Cement Left in Csg.											The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line											Cement Amount Ordered				

**EQUIPMENT**

Pumptrk	5	No.	Cementer		Common
			Helper		
Bulktrk		No.	Driver		Poz. Mix
			Driver		
Bulktrk	3	No.	Driver		Gel.
			Driver		

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
8 5/8 on Interm. Est. Circulation	CFL-117 or CD110 CAF 38
Mix 190 SIC & Displace	Sand
Cement Circulation	Handling
	Mileage

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage

Tax	
Discount	
Total Charge	

Signature

*Rudig*



CHARGE TO: Charter Energy

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET  
# 21573

PAGE 1 OF 2

1. SERVICE LOCATIONS	WELL/PROJECT NO. <u>41</u>	LEASE <u>Krug / Allan</u>	COUNTY/PARISH <u>BORLON</u>	STATE <u>KS</u>	CITY <u>Susank</u>	DATE <u>13 Feb 12</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement long string</u>	WELL PERMIT NO.	WELL LOCATION <u>16-100-13W</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE TRK 114	60	mi	6.00		360.00
576		1			Pump Charge	1	hr	1500.00		1500.00
402		1			Centralizer	52	in	6.00		420.00
403		1			Cement Basket	1	hr	250.00		250.00
406		1			Latch down plug & bottles	52	in	250.00		250.00
<del>419</del>		<del>1</del>			<del>Rotating head rental</del>	<del>52</del>	<del>in</del>	<del>200.00</del>		<del>200.00</del>
407		1			inset / patch shoe w/ AUTO FILL	52	in	350.00		350.00

**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 [Signature]  
DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  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?				
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR \_\_\_\_\_ APPROVAL \_\_\_\_\_

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 13 Feb 12 PAGE NO. 1

CUSTOMER *C. Wicker* WELL NO. *#1* LEASE *Kroy/Allen* JOB TYPE *concrete long string* TICKET NO. *21573*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sacks EA-2 w/ 4" floater
								5 1/2" 19" casing 34% x 40' 70: 3500
								Cont 1, 3, 5, 7, 9, 11 ball 7 string 42.35
	0100							on loc Tex 114
	0330							start 5 1/2" 19" casing in well
	0500							Drop ball - circulate - <del>flush</del>
	0525	4 3/4	12				200	Pump 500 gal mid flush
		4 3/4	20				200	Pump 200 bbl KCL flush
	0535		7					Plug RH - MH <del>30' - 20' 1/2</del>
	0540	4 3/4	35				250	Mix EA-2 cont 125 <sup>sacks</sup> @ 15.32 ppb
								Drop block down plug
								wash out pump & line
	0553	6 3/4					200	D. s. replace plug
		6 3/4	75				400	
	0610	6 3/4	84				1500	Land plug
	0615							Release pressure to truck - dried up
	0620							widen track
								Rack up
	0630							job complete
								Thanks Blair Stewart, Dave



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

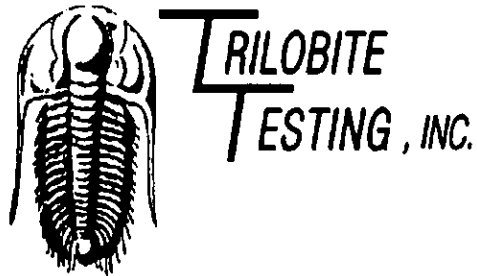
TICKET CONTINUATION

TICKET No. 21573

CUSTOMER: *Winter Energy* WELL: *Kingman #1* DATE: *12/12* PAGE: *2* OF: *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT			
		LOC	ACCT	DF											
325		1				STANDARD cement (12 64 2)	175	SK			13.50	2362.50			
294		1				Culscab	82	lb	8.26		25.00	2050.00			
283		1				Salt	92	lb			0.20	180.00			
286		1				nsad-1	100	lb			7.50	750.00			
276		1				Fluicel	50	lb			2.00	100.00			
290		1				D-AIR	3	gal			35.00	105.00			
231		1				nut fish	50	gal			2.50	125.00			
231		1				KCl Liquid	2	gal			25.00	50.00			
581		1				SERVICE CHARGE	175	SK			2.00	350.00			
583		1				MILEAGE CHARGE			TOTAL WEIGHT	18300	LOADED MILES	60	TON MILES	279	549.00

CONTINUATION TOTAL



## DRILL STEM TEST REPORT

Prepared For: **Charter Energy inc.**

PO Box 252  
Great Bend, KS 67530+0252

ATTN: Jim Musgrove

**Krug Allan#1**

**16-16s-13w Barton,KS**

Start Date: 2012.02.10 @ 20:03:05

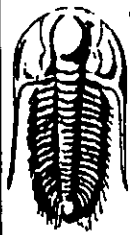
End Date: 2012.02.11 @ 02:01:29

Job Ticket #: 45687                      DST #: 1

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

Printed: 2012.02.16 @ 12:05:08

Charter Energy inc. 16-16s-13w Barton,KS Krug Allan#1 DST # 1 LK-C-F 2012.02.10



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Charter Energy inc.  
PO Box 252  
Great Bend, KS 67530+0252  
ATTN: Jim Musgrove

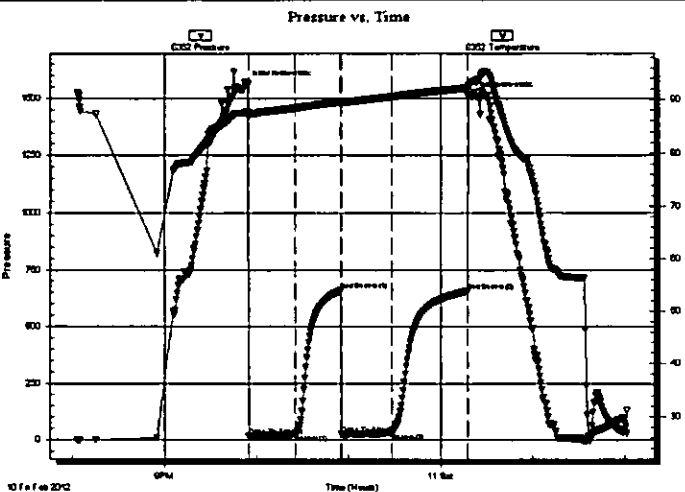
**16-16s-13w Barton,KS**  
**Krug Allan#1**  
Job Ticket: 45687      **DST#: 1**  
Test Start: 2012.02.10 @ 20:03:05

## GENERAL INFORMATION:

Formation: **LKC"C-F"**  
Deviated: **No Whipstock**      **ft (KB)**  
Time Tool Opened: **21:55:00**  
Time Test Ended: **02:01:29**  
Interval: **3171.00 ft (KB) To 3234.00 ft (KB) (TVD)**  
Total Depth: **3234.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Andy Carreira**  
Unit No: **39**  
Reference Elevations: **1952.00 ft (KB)**  
**1945.00 ft (CF)**  
**KB to GRVCF: 7.00 ft**

**Serial #: 8352      Outside**  
Press@RunDepth: **29.92 psig @ 3178.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2012.02.10**      End Date: **2012.02.11**      Last Calib.: **2012.02.11**  
Start Time: **20:03:05**      End Time: **02:01:29**      Time On Btrn: **2012.02.10 @ 21:53:10**  
Time Off Btrn: **2012.02.11 @ 00:18:10**

**TEST COMMENT:** IF:(30min) Weak, 1" blow  
IS:(30min) No Return  
FF:(30min) Weak, 1" blow  
FS:(45min) No Return



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.98	87.58	Initial Hydro-static
2	17.29	86.89	Open To Flow (1)
33	25.00	88.42	Shut-In(1)
62	658.36	89.59	End Shut-In(1)
63	25.44	89.20	Open To Flow (2)
95	29.92	90.56	Shut-In(2)
145	655.48	92.22	End Shut-In(2)
146	1511.51	92.37	Final Hydro-static

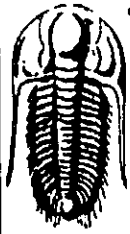
## Recovery

Length (ft)	Description	Volume (bbl)
20.00	WM w/ oil slight spcks in tool	0.28

## 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+0252  
ATTN: Jim Musgrove

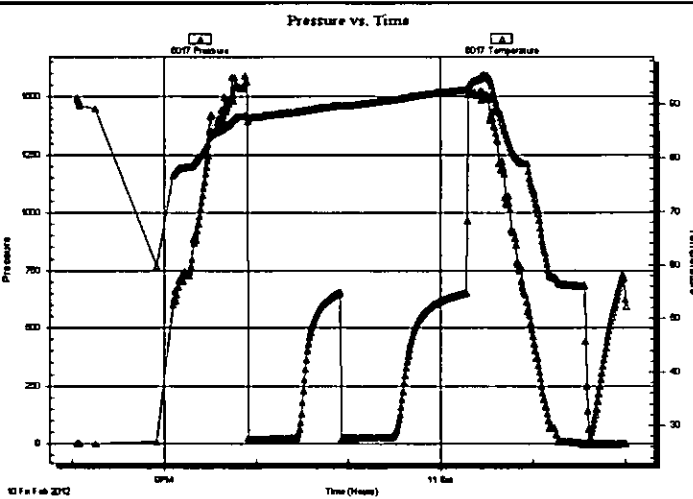
**16-16s-13w Barton,KS**  
**Krug Allan#1**  
Job Ticket: 45687 **DST#: 1**  
Test Start: 2012.02.10 @ 20:03:05

**GENERAL INFORMATION:**

Formation: **LKC"C-F"**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: **21:55:00**  
Time Test Ended: **02:01:29**  
Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Andy Carreira**  
Unit No: **39**  
Interval: **3171.00 ft (KB) To 3234.00 ft (KB) (TVD)**  
Total Depth: **3234.00 ft (KB) (TVD)**  
Reference Elevations: **1952.00 ft (KB)**  
**1945.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
KB to GRV/CF: **7.00 ft**

**Serial #: 8017** **Inside**  
Press@RunDepth: psig @ **3178.00 ft (KB)** Capacity: **8000.00 psig**  
Start Date: **2012.02.10** End Date: **2012.02.11** Last Calib.: **2012.02.11**  
Start Time: **20:03:15** End Time: **02:01:30** Time On Btrn  
Time Off Btrn

TEST COMMENT: **IF:(30min) Weak, 1" blow**  
**ISt(30min) No Return**  
**FF:(30min) Weak, 1" blow**  
**FSt(45min) No Return**



**PRESSURE SUMMARY**

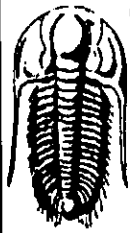
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
20.00	WM w/ oil slight spcks in tool	0.28

**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+0252  
ATTN: Jim Musgrove

16-16s-13w Barton,KS  
Krug Allan#1  
Job Ticket: 45687      DST#: 1  
Test Start: 2012.02.10 @ 20:03:05

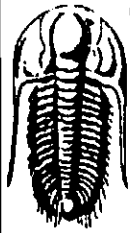
### Tool Information

Drill Pipe:	Length: 3171.00 ft	Diameter: 3.80 inches	Volume: 44.48 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 44.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3171.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3152.00	
Shut In Tool	5.00			3157.00	
Hydraulic tool	5.00			3162.00	
Packer	5.00			3167.00	20.00      Bottom Of Top Packer
Packer	4.00			3171.00	
Stubb	1.00			3172.00	
Perforations	5.00			3177.00	
Change Over Sub	1.00			3178.00	
Recorder	0.00	8017	Inside	3178.00	
Recorder	0.00	8352	Outside	3178.00	
Drill Pipe	32.00			3210.00	
Change Over Sub	1.00			3211.00	
Perforations	20.00			3231.00	
Bullnose	3.00			3234.00	63.00      Bottom Packers & Anchor

**Total Tool Length: 83.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Charter Energy inc.  
PO Box 252  
Great Bend, KS 67530+0252  
ATTN: Jim Musgrove

**16-16s-13w Barton,KS**  
**Krug Allan#1**  
Job Ticket: 45687      **DST#: 1**  
Test Start: 2012.02.10 @ 20:03:05

**Mud and Cushion Information**

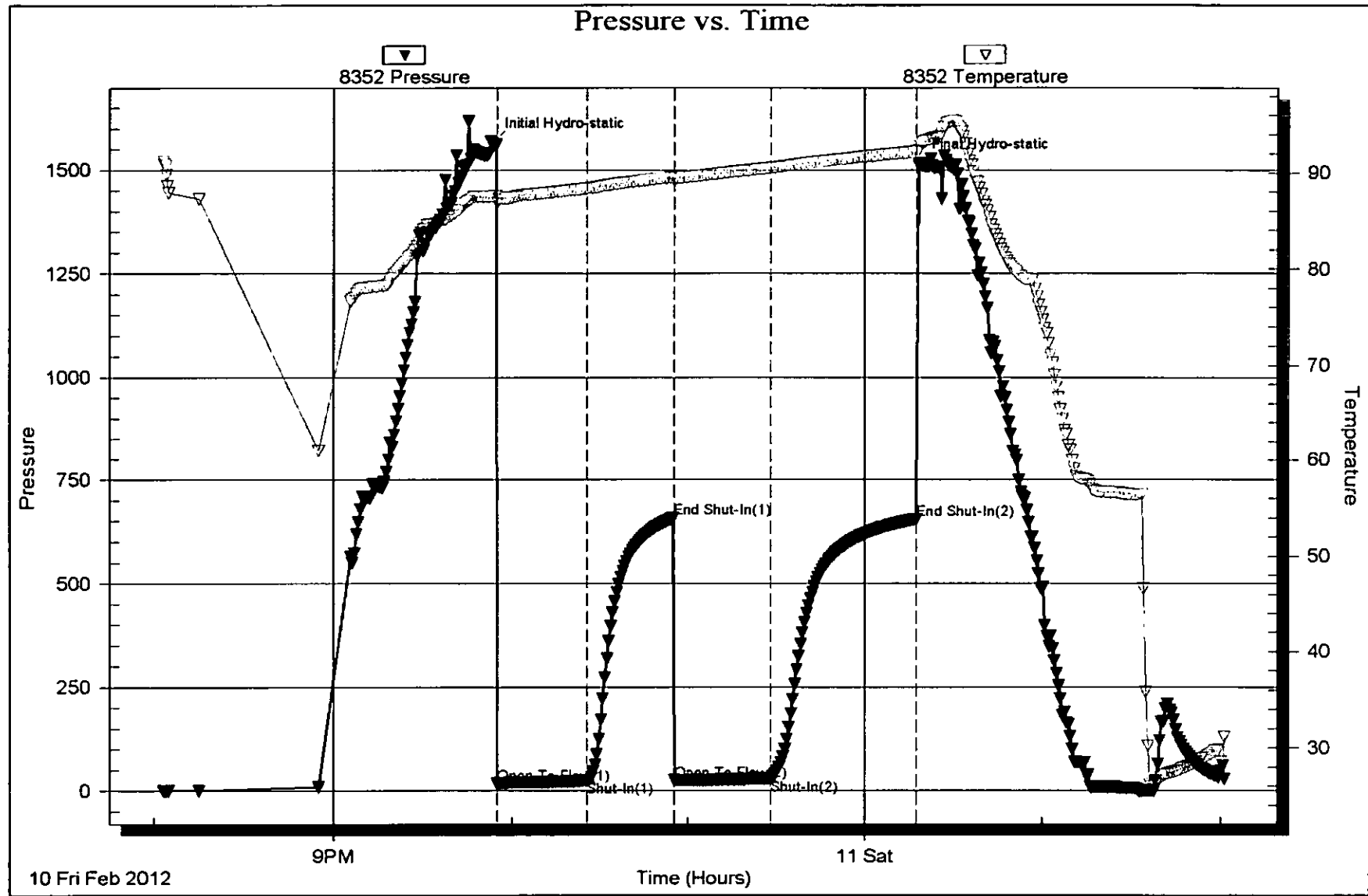
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	20000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: inches			

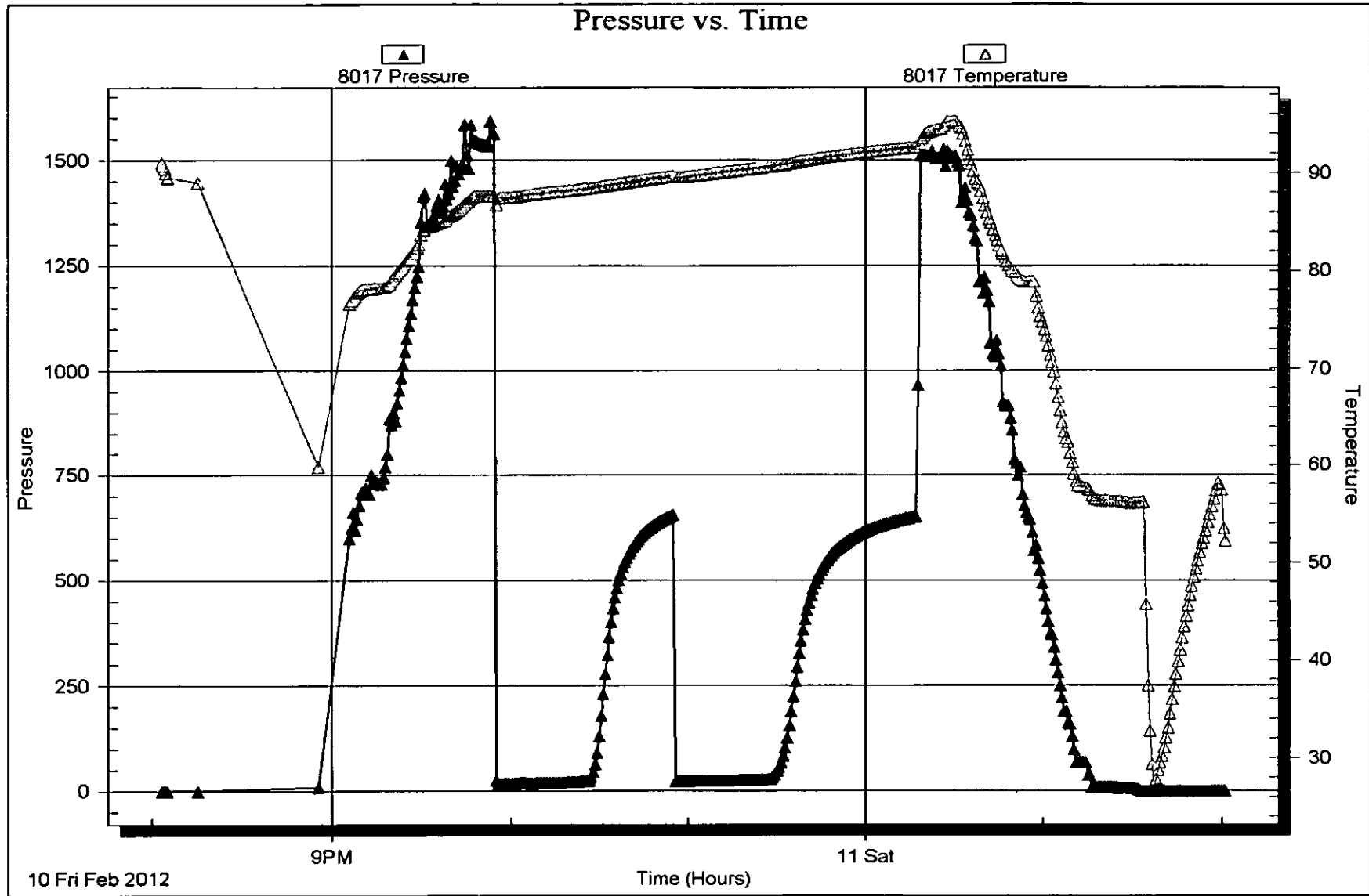
**Recovery Information**

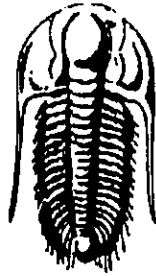
Recovery Table

Length ft	Description	Volume bbl
20.00	WM w / oil slight spcks in tool	0.281

Total Length: 20.00 ft      Total Volume: 0.281 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Resistivity- .64 @ 36 deg = 20000







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Charter Energy inc.**

PO Box 252  
Great Bend, KS 67530+0252

ATTN: Jim Musgrove

**Krug Allan#1**

**16-16s-13w Barton,KS**

Start Date: 2012.02.11 @ 19:42:05

End Date: 2012.02.12 @ 01:46:50

Job Ticket #: 45688                      DST #: 2

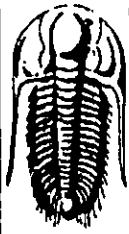
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.16 @ 12:03:44

Charter Energy inc. 16-16s-13w Barton,KS Krug Allan#1 DST # 2 Arbuckle 2012.02.11



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Charter Energy inc.  
PO Box 252  
Great Bend, KS 67530+0252  
ATTN: Jim Musgrove

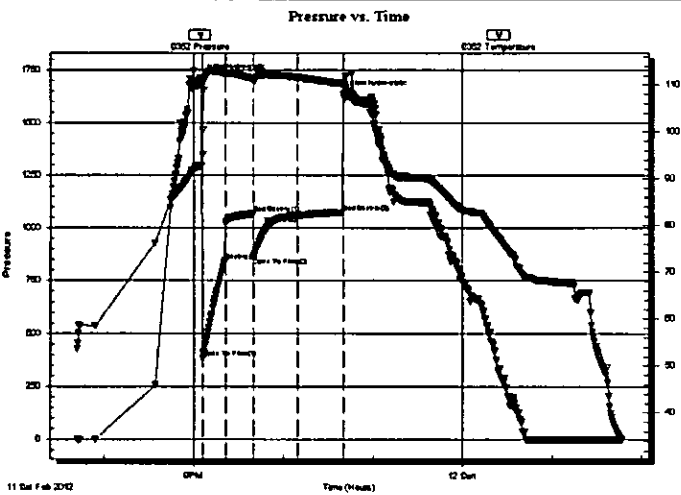
**16-16s-13w Barton,KS**  
**Krug Allan#1**  
Job Ticket: 45688      **DST#: 2**  
Test Start: 2012.02.11 @ 19:42:05

### GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 21:06:00  
Time Test Ended: 01:46:50  
Interval: **3377.00 ft (KB) To 3411.00 ft (KB) (TVD)**  
Total Depth: 3411.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 1952.00 ft (KB)  
1945.00 ft (CF)  
KB to GR/CF: 7.00 ft

**Serial #: 8352      Outside**  
Press@RunDepth: 1060.99 psig @ 3378.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.02.11      End Date: 2012.02.12      Last Calib.: 2012.02.12  
Start Time: 19:42:05      End Time: 01:46:50      Time On Btm: 2012.02.11 @ 21:04:10  
Time Off Btm: 2012.02.11 @ 22:40:30

**TEST COMMENT:** IF:(15min) BOB 30 seconds  
ISt(20min) No Retrun  
FF:(30min) BOB 30 seconds  
FSt(30min) No Return



### PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1712.48	92.71	Initial Hydro-static
2	386.36	100.40	Open To Flow (1)
17	845.34	112.53	Shut-In(1)
36	1067.98	111.25	End Shut-In(1)
36	860.67	111.14	Open To Flow (2)
66	1060.99	111.62	Shut-In(2)
96	1074.83	110.25	End Shut-In(2)
97	1633.39	110.30	Final Hydro-static

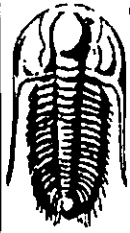
### Recovery

Length (ft)	Description	Volume (bbl)
2330.00	Water w/ scum of oil on top of fluid	32.68

\* 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+0252  
ATTN: Jim Musgrove

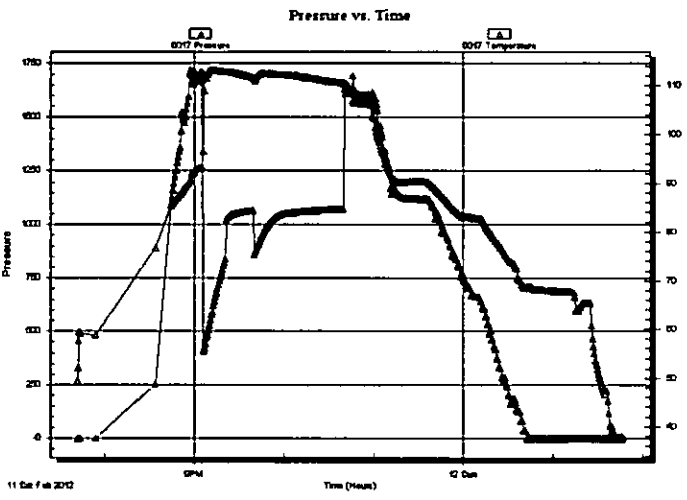
16-16s-13w Barton,KS  
**Krug Allan#1**  
Job Ticket: 45688      DST#: 2  
Test Start: 2012.02.11 @ 19:42:05

### GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 21:06:00  
Time Test Ended: 01:46:50  
Interval: **3377.00 ft (KB) To 3411.00 ft (KB) (TVD)**  
Total Depth: 3411.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 1952.00 ft (KB)  
1945.00 ft (CF)  
KB to GR/CF: 7.00 ft

**Serial #: 8017**      Inside  
Press@RunDepth:                      psig @ 3378.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.02.11      End Date: 2012.02.12      Last Calib.: 2012.02.12  
Start Time: 19:42:05      End Time: 01:46:40      Time On Btm:      Time Off Btm:

**TEST COMMENT:** IF:(15min) BOB 30 seconds  
IS:(20min) No Retrun  
FF:(30min) BOB 30 seconds  
FS:(30min) No Return



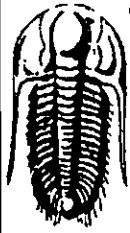
PRESSURE SUMMARY			
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
2330.00	Water w/ scum of oil on top of fluid	32.68

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Charter Energy inc.  
PO Box 252  
Great Bend, KS 67530+0252  
ATTN: Jim Musgrove

**16-16s-13w Barton,KS**  
**Krug Allan#1**  
Job Ticket: 45688      **DST#: 2**  
Test Start: 2012.02.11 @ 19:42:05

**Tool Information**

Drill Pipe:	Length: 3367.00 ft	Diameter: 3.80 inches	Volume: 47.23 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 47.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3377.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3358.00	
Shut In Tool	5.00			3363.00	
Hydraulic tool	5.00			3368.00	
Packer	5.00			3373.00	20.00      Bottom Of Top Packer
Packer	4.00			3377.00	
Stubb	1.00			3378.00	
Recorder	0.00	8017	Inside	3378.00	
Recorder	0.00	8352	Outside	3378.00	
Perforations	30.00			3408.00	
Bullnose	3.00			3411.00	34.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>54.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Charter Energy inc.  
PO Box 252  
Great Bend, KS 67530+0252  
ATTN: Jim Musgrove

**16-16s-13w Barton,KS**  
**Krug Allan#1**  
Job Ticket: 45688      **DST#: 2**  
Test Start: 2012.02.11 @ 19:42:05

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 9.16 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7100.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 17000 ppm

### Recovery Information

Recovery Table

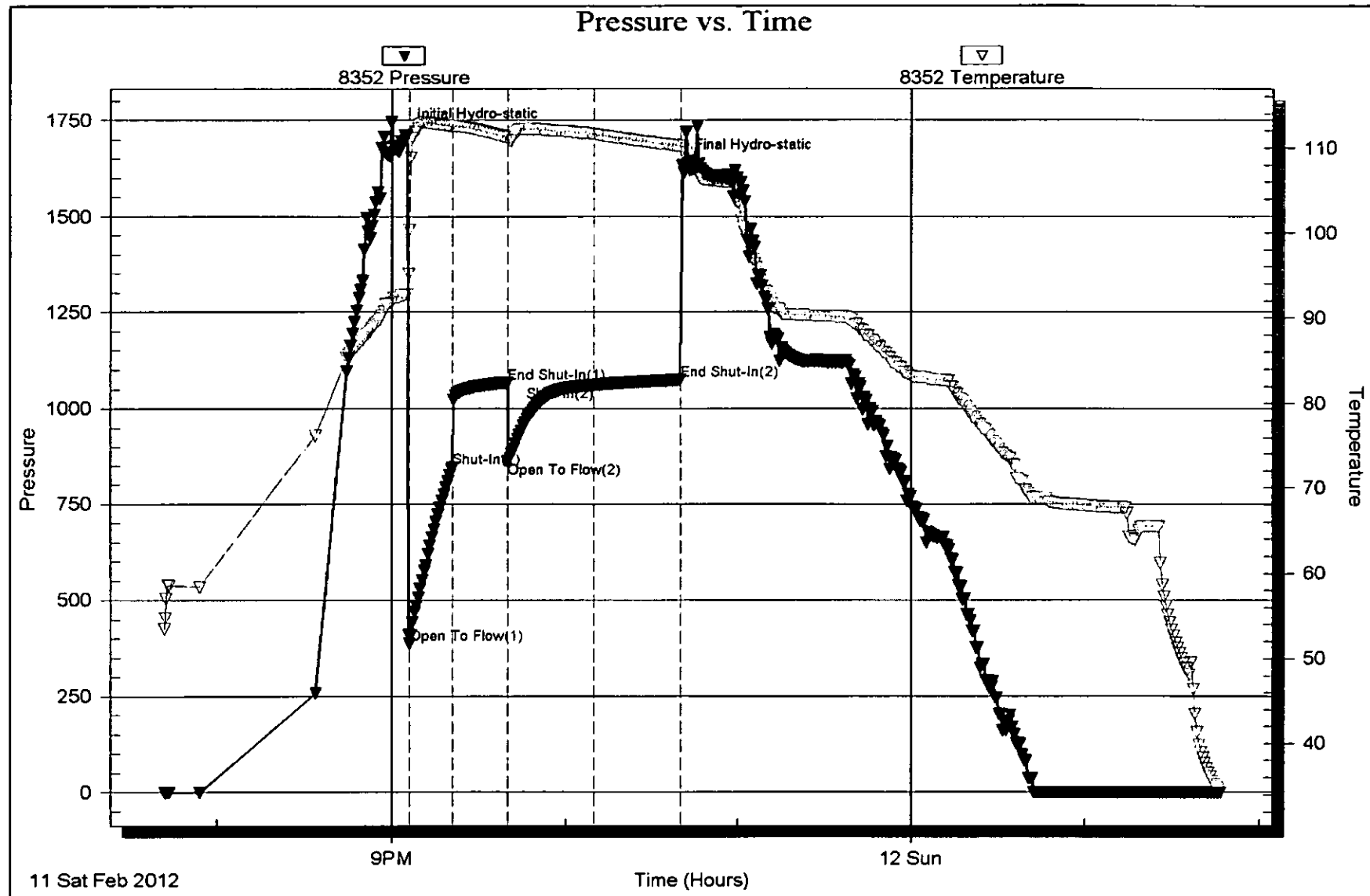
Length ft	Description	Volume bbl
2330.00	Water w / scum of oil on top of fluid	32.684

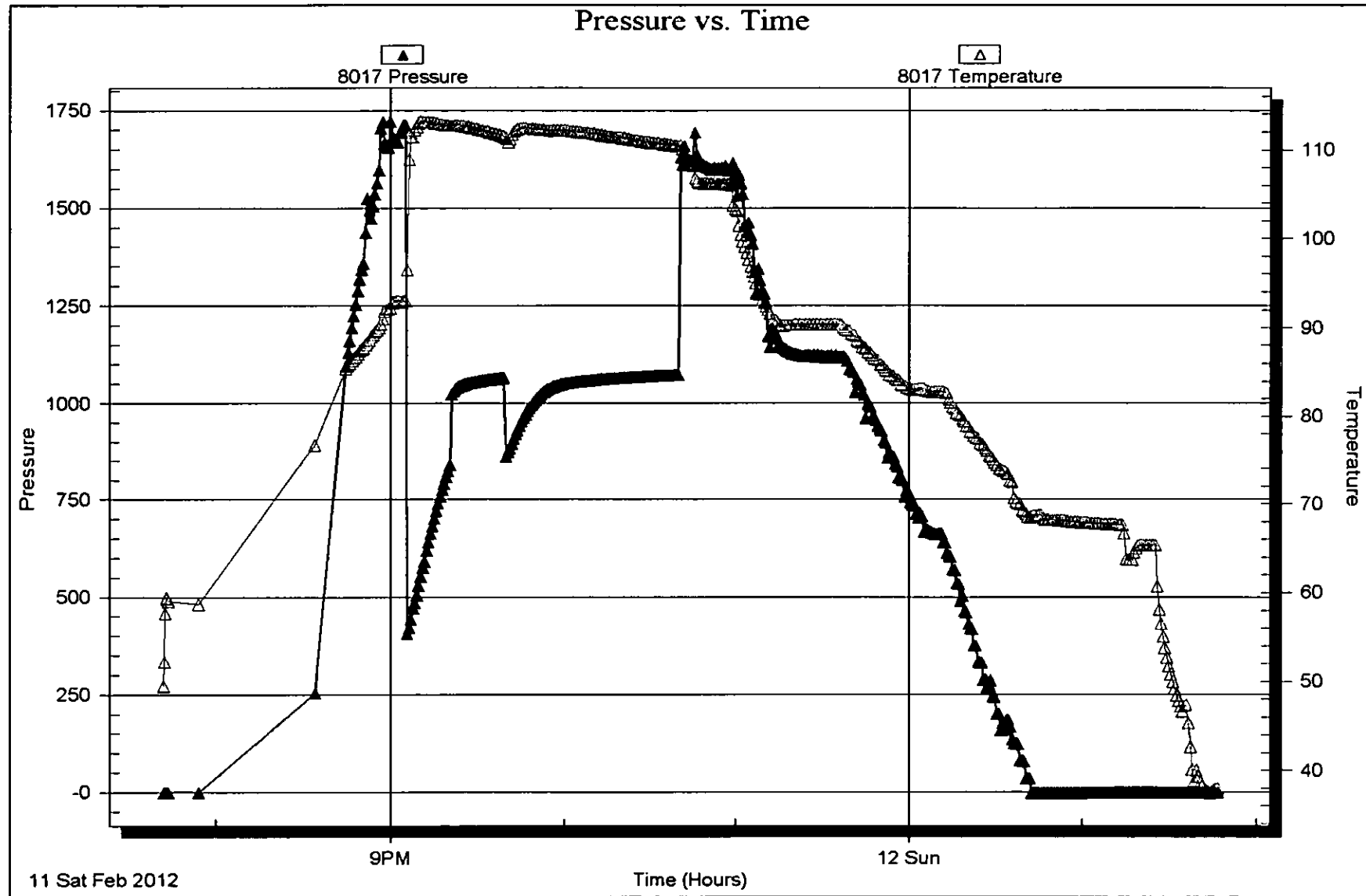
Total Length: 2330.00 ft      Total Volume: 32.684 bbl

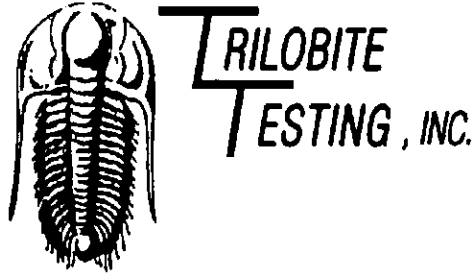
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Resistivity- .53 @ 54 deg. = 17000







## DRILL STEM TEST REPORT

Prepared For: **Charter Energy inc.**

PO Box 252  
Great Bend, KS 67530+0252

ATTN: Jim Musgrove

**Krug Allan#1**

**16-16s-13w Barton,KS**

Start Date: 2012.02.12 @ 07:42:05

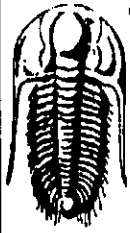
End Date: 2012.02.12 @ 13:11:50

Job Ticket #: 45689                      DST #: 3

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

Printed: 2012.02.16 @ 12:03:12

Charter Energy inc. 16-16s-13w Barton,KS Krug Allan#1 DST # 3 Arbuckle 2012.02.12



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Charter Energy inc.  
 PO Box 252  
 Great Bend, KS 67530+0252  
 ATTN: Jim Musgrove

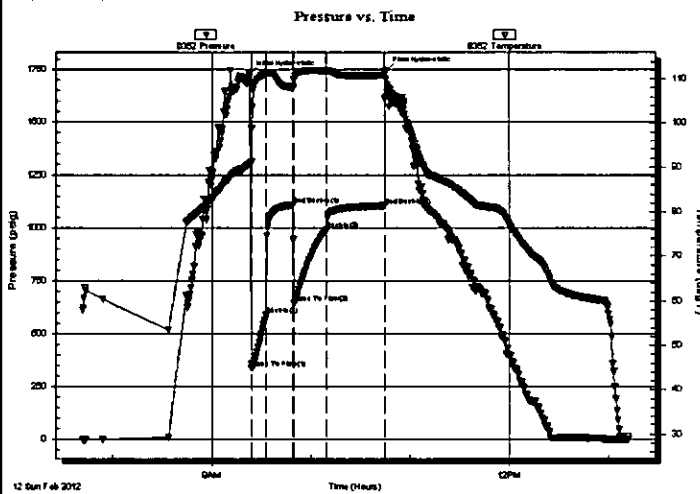
**16-16s-13w Barton, KS**  
**Krug Allan#1**  
 Job Ticket: 45689      **DST#: 3**  
 Test Start: 2012.02.12 @ 07:42:05

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:24:10  
 Time Test Ended: 13:11:50  
 Interval: **3416.00 ft (KB) To 3423.00 ft (KB) (TVD)**  
 Total Depth: 3423.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 1952.00 ft (KB)  
 1945.00 ft (CF)  
 KB to GRVCF: 7.00 ft

**Serial #: 8352      Outside**  
 Press@RunDepth: 989.52 psig @ 3417.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.02.12      End Date: 2012.02.12      Last Calib.: 2012.02.12  
 Start Time: 07:42:05      End Time: 13:11:50      Time On Btm: 2012.02.12 @ 09:22:50  
 Time Off Btm: 2012.02.12 @ 10:45:50

**TEST COMMENT:** IF:(10min) BOB immediately  
 ISl:(15min) No Return  
 FF:(20min) BOB 30 seconds  
 FSl:(30min) No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1730.68	90.62	Initial Hydro-static
2	337.73	98.78	Open To Flow (1)
10	592.00	111.15	Shut-In(1)
27	1108.12	107.97	End Shut-In(1)
27	643.16	108.34	Open To Flow (2)
47	989.52	111.97	Shut-In(2)
83	1105.21	110.95	End Shut-In(2)
83	1747.89	110.01	Final Hydro-static

## Recovery

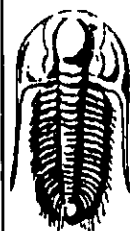
Length (ft)	Description	Volume (bbl)
1800.00	OSW o=tr w=100%	25.25
240.00	OCMW o=5% m=20% w=75%	3.37
75.00	OCMW o=10% m=30% w=60%	1.05

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Charter Energy inc.  
PO Box 252  
Great Bend, KS 67530-0252  
ATTN: Jim Musgrove

**16-16s-13w Barton, KS**  
**Krug Allan#1**  
Job Ticket: 45689      **DST#: 3**  
Test Start: 2012.02.12 @ 07:42:05

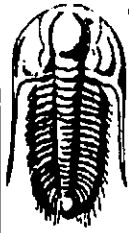
### Tool Information

Drill Pipe:	Length: 3398.00 ft	Diameter: 3.80 inches	Volume: 47.67 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 47.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3416.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	27.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3397.00	
Shut In Tool	5.00			3402.00	
Hydraulic tool	5.00			3407.00	
Packer	5.00			3412.00	20.00      Bottom Of Top Packer
Packer	4.00			3416.00	
Stubb	1.00			3417.00	
Recorder	0.00	8017	Inside	3417.00	
Recorder	0.00	8352	Outside	3417.00	
Perforations	3.00			3420.00	
Bullnose	3.00			3423.00	7.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>27.00</b>				





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Charter Energy inc.  
PO Box 252  
Great Bend, KS 67530-0252  
ATTN: Jim Musgrove

**16-16s-13w Barton,KS**  
**Krug Allan#1**  
Job Ticket: 45689      **DST#: 3**  
Test Start: 2012.02.12 @ 07:42:05

**Mud and Cushion Information**

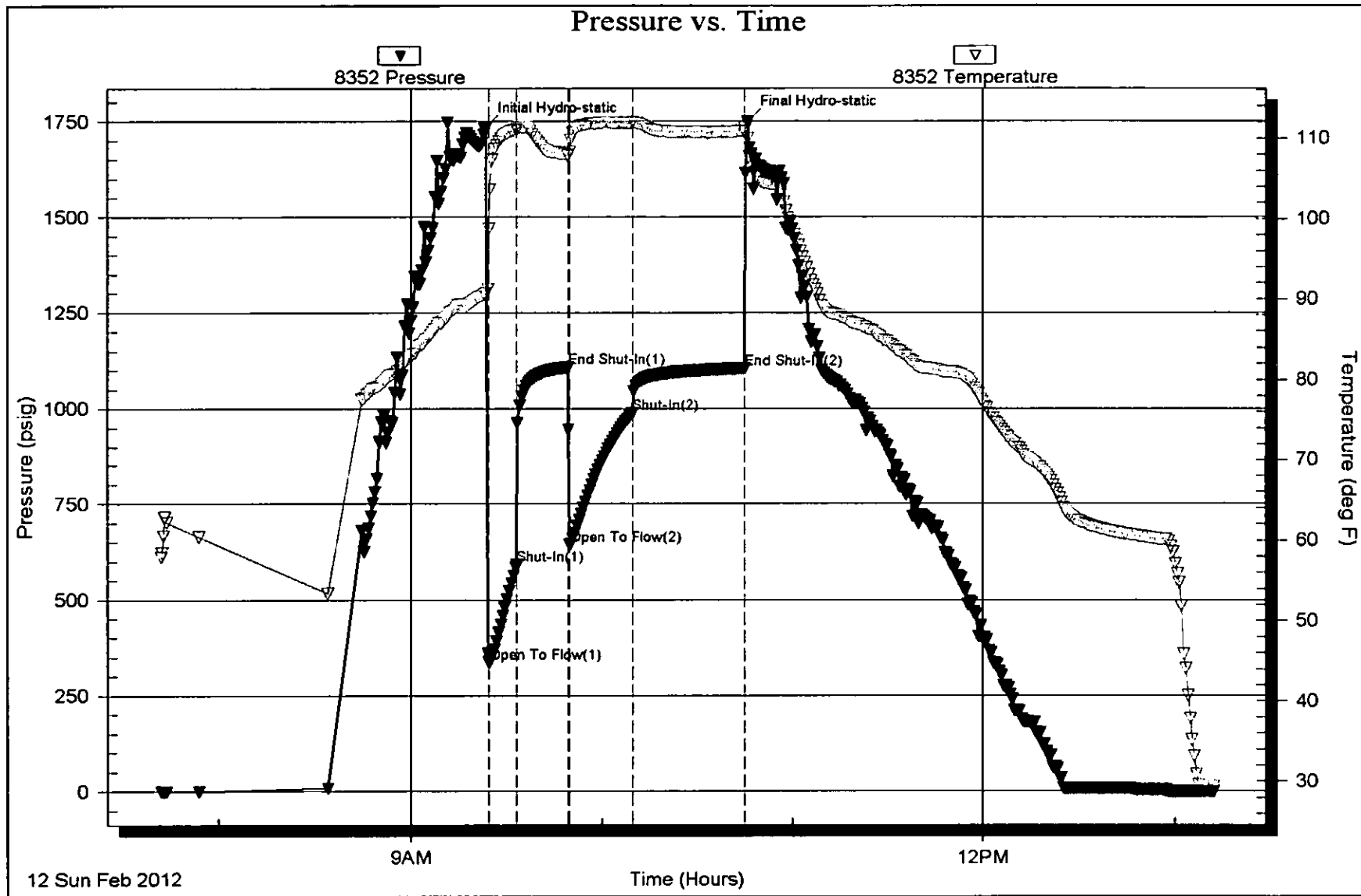
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	24000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7100.00 ppm			
Filter Cake: inches			

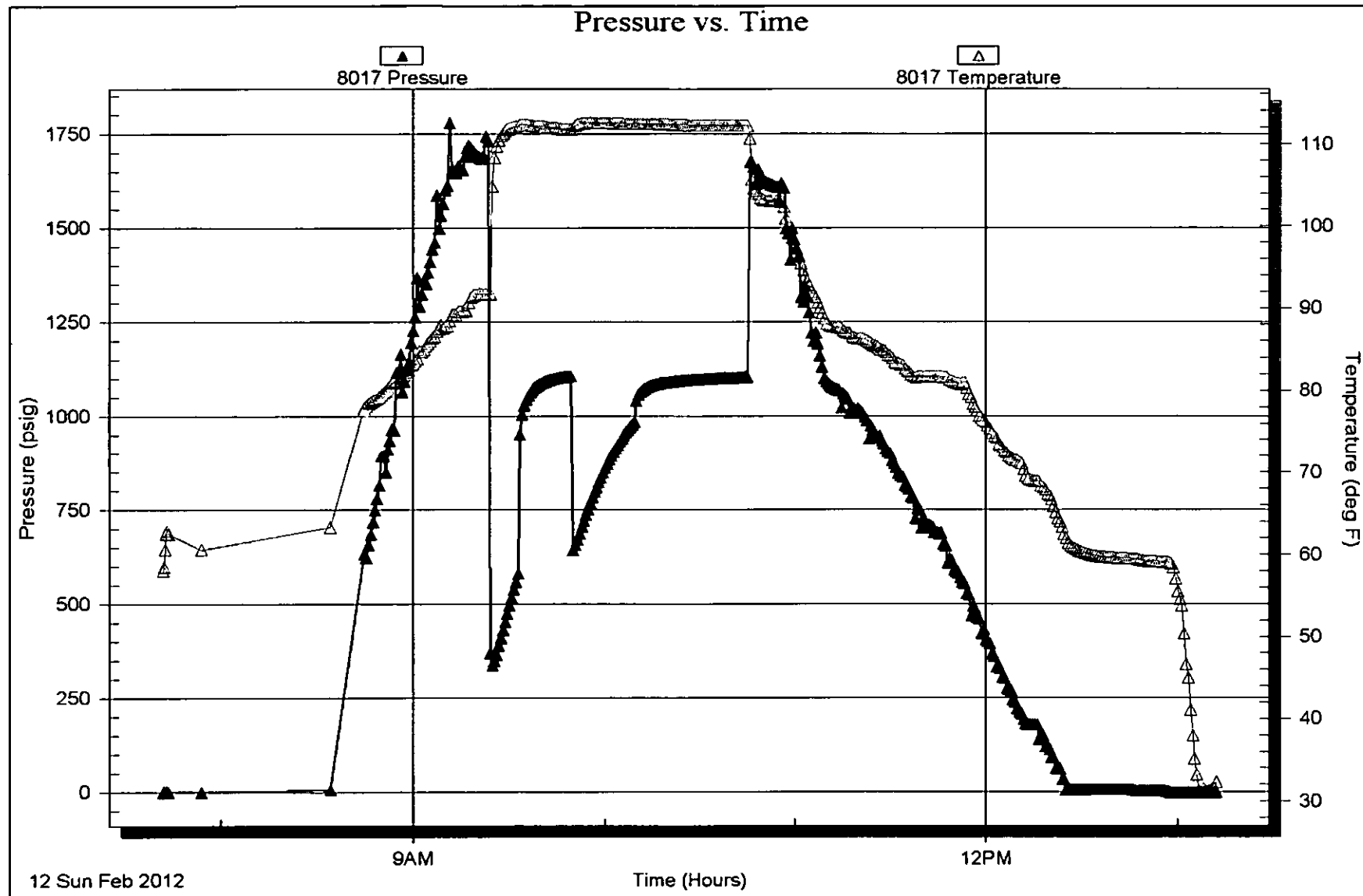
**Recovery Information**

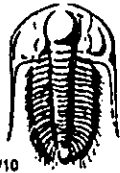
Recovery Table

Length ft	Description	Volume bbl
1800.00	OSW o=tr w=100%	25.249
240.00	OCMW o=5% m=20% w=75%	3.367
75.00	OCMW o=10% m=30% w=60%	1.052

Total Length: 2115.00 ft      Total Volume: 29.668 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Resistivity- .49 @ 43 deg = 24000







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

No. 45687

RECORDED  
INDEXED

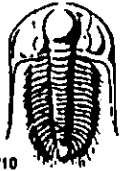
Well Name & No. Krug Allan #1 BY:            Test No. 1 Date 2-10-12  
 Company Charter Energy Inc. Elevation 1952 KB 1945 GL             
 Address PO Box 252 Great Bend Ks. 67530+0252  
 Co. Rep / Geo. Jim Musgrave Rig Royal #2  
 Location: Sec. 16 Twp. 16S Rge. 13W Co. Barton State Ks

Interval Tested 3171 - 3234 Zone Tested LKC<sup>W</sup> C-F  
 Anchor Length 63' Drill Pipe Run 3171 Mud Wt. 9.1  
 Top Packer Depth 3166 Drill Collars Run 0 Vis 53  
 Bottom Packer Depth 3171 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3234 Chlorides 7000 ppm System LCM 1\*  
 Blow Description IF: WEAK 1" blow  
IST: NO RETURN  
FF: WEAK 1" blow  
FSD: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>W M w/ slight oil spks in too</u>			<u>30</u>	<u>70</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 92 Gravity API RW, 64 @ 36° F Chlorides 20000 ppm  
 (A) Initial Hydrostatic 1562  Test @ 1125 T-On Location 16:09  
 (B) First Initial Flow 17  Jars T-Started 20:03  
 (C) First Final Flow 25  Safety Joint T-Open 21:55  
 (D) Initial Shut-In 658  Circ Sub T-Pulled 00:10  
 (E) Second Initial Flow 25  Hourly Standby @ 3/4 hr 75 T-Out 02:02  
 (F) Second Final Flow 29  Mileage 94.05 @ 131.00 Comments \_\_\_\_\_  
 (G) Final Shut-In 655  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1511  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1331.00 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 45  
 Approved By \_\_\_\_\_ Our Representative [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged or 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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
FEB 13 2012

## Test Ticket

NO. 45688

Well Name & No. Krug Allan #1 BY: \_\_\_\_\_ Test No. 2 Date 2-11-12  
 Company Charta Energy Inc Elevation 1952 KB 1945 GL  
 Address PO Box 252 Great Bend Ks 67530-0252  
 Co. Rep / Geo. Jim Musgrove Rig Royal #2  
 Location: Sec. 16 Twp. 16S Rge. 13W Co. BARTON State Ks

Interval Tested 3377-3411 Zone Tested Arbuckle  
 Anchor Length 34' Drill Pipe Run 3367 Mud Wt. 9.2  
 Top Packer Depth 3372 Drill Collars Run 0 Vis 50  
 Bottom Packer Depth 3377 Wt. Pipe Run 0 WL 9.2  
 Total Depth 3411 Chlorides 7100 ppm System LCM 1

Blow Description 1st BOB, 30 seconds  
ISB No Return  
2nd BOB 30 seconds  
ISB No Return

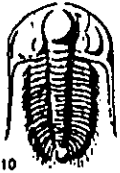
Rec	Feet of	%gas	%oil	%water	%mud
<u>2330</u>	<u>Water w/ scum of oil on top of fluid</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2330 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW .53 @ 54 °F Chlorides 17000 ppm  
 (A) Initial Hydrostatic 1712  Test 1125' T-On Location 1903  
 (B) First Initial Flow 386  Jars \_\_\_\_\_ T-Started 19:42  
 (C) First Final Flow 845  Safety Joint \_\_\_\_\_ T-Open 21:05  
 (D) Initial Shut-In 1067  Circ Sub \_\_\_\_\_ T-Pulled 22:40  
 (E) Second Initial Flow 860  Hourly Standby \_\_\_\_\_ T-Out 01:47  
 (F) Second Final Flow 1060  Mileage 940 131.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 1074  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1633  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1256.60  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30 15  
 Initial Shut-In 20  
 Final Flow 30  
 Final Shut-In 30  
 Sub Total 1256.60

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.

P.O. Box 1733 • Hays, Kansas 67601

RECORDED  
FEB 13 2012

## Test Ticket

NO. 45689

Well Name & No. Krug Allan Test No. 3 Date 2-12-12  
 Company Cherokee Energy Inc Elevation 1952 KB 1945 GL  
 Address PO Box 252 Great Bend Ks 67530-0252  
 Co. Rep / Geo. Jim Musgrave Rig Royal #2  
 Location: Sec. 16 Twp. 16s Rge. 1301 Co. BARTON State Ks

Interval Tested 3416 - 3423 Zone Tested Rebuckle  
 Anchor Length 7' Drill Pipe Run 3398 Mud Wt. 9.2  
 Top Packer Depth 3411 Drill Collars Run 0 Vis 50  
 Bottom Packer Depth 3416 Wt. Pipe Run 0 WL 9.2  
 Total Depth 3423 Chlorides 7100 ppm System LCM 1

Blow Description IF: BOB immediately  
Test: No Return  
FF: BOB, 30 seconds  
FST: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>75'</u>	<u>OCMW</u>		<u>10%</u>	<u>60%</u>	<u>30%</u>
<u>240'</u>	<u>OCMW</u>		<u>5%</u>	<u>75%</u>	<u>20%</u>
<u>1800'</u>	<u>OSW</u>		<u>TR</u>	<u>100%</u>	

Rec Total 2115' BHT 110° Gravity API RW .49 @ 43° F Chlorides 24000 ppm

(A) Initial Hydrostatic 1730  Test 1125' T-On Location 08:06  
 (B) First Initial Flow 337  Jars \_\_\_\_\_ T-Started 07:42  
 (C) First Final Flow 592  Safety Joint \_\_\_\_\_ T-Open 09:23  
 (D) Initial Shut-In 1108  Circ Sub \_\_\_\_\_ T-Pulled 10:38  
 (E) Second Initial Flow 643  Hourly Standby 14hr 125' T-Out 13:12  
 (F) Second Final Flow 989  Mileage 940tc 131:00 Comments \_\_\_\_\_  
 (G) Final Shut-In 1105  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1745  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 10  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 20  Day Standby \_\_\_\_\_ Total 1381.60  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Sub Total 1381.60 Our Representative [Signature]

Approved By \_\_\_\_\_  
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