



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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1082031

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ 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 <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
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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. 454

Date	7-31-12	Sec.	9	Twp.	16	Range	13	County	Butler	State	Kansas	On Location		Finish	8:45AM	
Lease	Bird	Well No.	2		Location						Sundance 2nd SE Mile					
Contractor	Royal Drilling Rig 2				Owner											
Type Job	Sulfon				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.											
Hole Size	12 1/4		T.D.		444											
Csg.	8 1/2 23lb		Depth		444											
Tbg. Size			Depth													
Tool			Depth													
Cement Left in Csg.	10-15		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line			Displace		276 Bbl				Cement Amount Ordered				190 Concrete Cell			

**EQUIPMENT**

Pumptrk	5	No.	Cementer	Steve	Helper	Steve	Common
Bulktrk	10	No.	Driver	Brett	Driver	Brett	Poz. Mix
Bulktrk		No.	Driver	Michael	Driver	Michael	Gel.

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Signature	Doug Brady	Pumptrk Charge	
		Mileage	
		Tax	
		Discount	
		Total Charge	





P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



# Invoice

DATE	INVOICE #
2/6/2012	21599

BILL TO
Charter Energy, Inc. P. O. Box 252 Great Bend, KS 67530-0252

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Bird-Schnew...	Barton	Royal Drilling	Oil	Development	5-1/2" LongString	Wayne
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				60	Miles	6.00	360.00
578D-L	Pump Charge - Long String - 3379 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
402-5	5 1/2" Centralizer				8	Each	70.00	560.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
325	Standard Cement				175	Sacks	13.50	2,362.50T
276	Flocele				50	Lb(s)	2.00	100.00T
283	Salt				900	Lb(s)	0.20	180.00T
284	Calscal				8	Sack(s)	35.00	280.00T
286	Halad-1 (Halad 9)				100	Lb(s)	7.50	750.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
583D	Drayage				549	Ton Miles	1.00	549.00
	Subtotal							8,336.50
	Sales Tax Barton County						7.30%	407.16
<b>We Appreciate Your Business!</b>						<b>Total</b>	<b>\$8,743.66</b>	

CK 5582  
2-20-12





Services, Inc.

CHARGE TO: **CHARTER ENERGY**  
 ADDRESS: \_\_\_\_\_  
 CITY STATE ZIP CODE: \_\_\_\_\_

TICKET No: **21599**

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. **Ness City, KS** WELL/PROJECT NO: **H-2** LEASE: **BIRD-SCHWENDEIS** COUNTY/PARISH: **BARTON** STATE: **KS** CITY: \_\_\_\_\_ DATE: **2-6-12** OWNER: **same**

TICKET TYPE:  SERVICE  SALES CONTRACTOR: **Rona Drizak** RIG NAME/NO: \_\_\_\_\_ SHIPPED VIA: **CT** DELIVERED TO: **location** ORDER NO: \_\_\_\_\_

WELL TYPE: **Oil** WELL CATEGORY: **Development** JOB PURPOSE: **5 1/2" LOGGING** WELL PERMIT NO: \_\_\_\_\_ WELL LOCATION: **Sussex, KS - 22 1/2' DEPTH**

4. REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
575		1			MILEAGE # 110	60	ME			6.00	360.00
578		1			Pump Charge	1	NOB	3379	FT	1500.00	1500.00
221		1			BEARDER KIT	2	GN			250.00	500.00
281		1			MUDFISH	500	GN			1.25	625.00
402		1			CONTROLLEDS	8	BA	5 1/2"		70.00	560.00
403		1			CONVERT BASKET	0	BA			250.00	—
406		1			UTCH DOWN PULG. BAFFLE	1	BA			250.00	250.00
407		1			TUSSOT FLOAT SHOE w/AUTO FILL	1	EA			350.00	350.00
419		1			REPAIRING HEAD ROOF	1	NOB			200.00	200.00

**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: **2-6-12** TIME SIGNED: **1130**  A.M.  P.M.

SWIFT OPERATOR: **Wase Wasey** APPROVAL: \_\_\_\_\_

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

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

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL #1: **3695.00**  
 TAX: **407.16**  
 TOTAL: **4102.16**

Thank You!





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

TICKET CONTINUATION

TICKET No. 21599

CUSTOMER  
CHARTER ENERGY

WELL  
BIRD - SCHNEIDERS #2

DATE  
2-6-12

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		1				STANDARD CONST	EA-2	175	SKS	13.50	2362.50	
276		1				FLOCEL		50	UBS	2.00	100.00	
283		1				SAT		900	UBS	20	180.00	
284		1				CAISAK		8	SFS	35.00	280.00	
286		1				HAWB-1		100	UBS	7.50	750.00	
290		1				O-ADR		2	GAL	35.00	70.00	
						SERVICE CHARGE		CUBIC FEET				
581		1				MILEAGE CHARGE	TOTAL WEIGHT	18300	LOADED MILES	60	175	
583		1					TON MILES	549		2.00	350.00	
										1.00	549.00	
										CONTINUATION TOTAL		4641.50



JOB LOG

SWIFT Services, Inc.

DATE 2-6-12 PAGE NO. 1

CUSTOMER CHARTER ENERGY WELL NO. #2 LEASE BIRD - SCHWEWEIS JOB TYPE 5 1/2" LONGSTRENG TICKET NO. 21599

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							ON LOCATING
	0115							START 5 1/2" CASING TO WELL
								TD-3379 SETc 3373 TP-3379 5 1/2 # 14 ST-22' CENTRALIZERS- 1, 3, 5, 7, 9, 11, 13, 15 <del>CEMENT BASKET</del>
	0250							DROP BALL - CALCULATE
	0315	6	12		✓	450		PUMP 500 GAL MUDFLUSH
	0317	6	20		✓	450		PUMP 20 BBLS KCL-FLUSH
	0323		7-5					PLUG RH - MH (30 SKS - 20 SKS)
	0330	4	30		✓	200		MIX CEMENT - 125 SKS c 15.4 PPG
	0340							WASH OUT PUMP - LINES
	0340							RELEASE LATCH DOWN PLUG
	0343	7	0		✓			DISPLACE PLUG
		7	80			650		
	0355	6 1/2	81.9			1500		PLUG DOWN - PSE UP LATCH TO PLUG
	0400							OK RELEASE PSE - HEAD
								WASH TRUCK
	0500							JOB COMPLETE

THANK YOU  
WAYNE, JASON R., ROB



## DRILL STEM TEST REPORT

Prepared For: **Charter Energy inc**

PO Box 252  
Great Bend KS 67530+0252

ATTN: Jim Musgrove

### **Bird/ Schneweis #2**

### **9-16s-13w Barton,KS**

Start Date: 2012.02.03 @ 12:08:05

End Date: 2012.02.03 @ 17:28:20

Job Ticket #: 45681                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.07 @ 12:28:00





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
Job Ticket: 45681 **DST#: 1**  
Test Start: 2012.02.03 @ 12:08:05

## GENERAL INFORMATION:

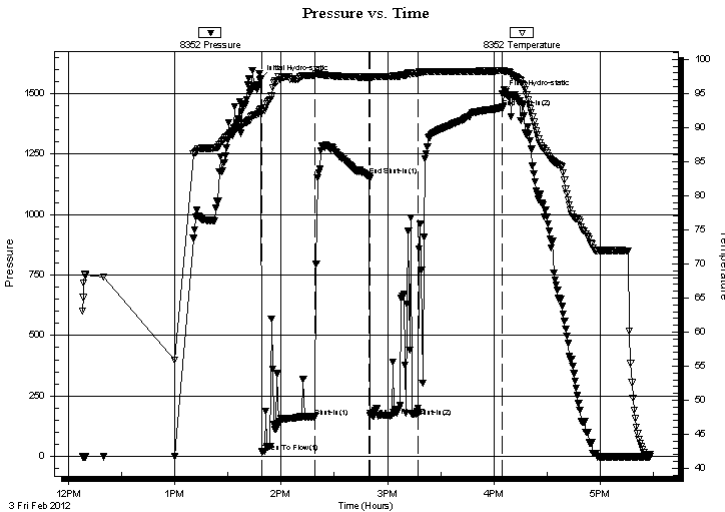
Formation: **LKC"A-F"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 13:49:00  
Time Test Ended: 17:28:20  
Interval: **3128.00 ft (KB) To 3204.00 ft (KB) (TVD)**  
Total Depth: 3204.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 1920.00 ft (KB)  
1913.00 ft (CF)  
KB to GR/CF: 7.00 ft

## Serial #: 8352 Outside

Press @ Run Depth: 199.80 psig @ 3133.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.02.03 End Date: 2012.02.03 Last Calib.: 2012.02.03  
Start Time: 12:08:05 End Time: 17:28:20 Time On Btm: 2012.02.03 @ 13:48:10  
Time Off Btm: 2012.02.03 @ 16:04:40

TEST COMMENT: IF:(30min) Fluid leaked around packers.  
IS:(30min) No Return  
FF:(30min) Surface Blow  
FS:(45min) No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.09	92.55	Initial Hydro-static
1	18.71	92.36	Open To Flow (1)
31	163.97	97.59	Shut-In(1)
62	1158.54	97.38	End Shut-In(1)
62	167.77	97.15	Open To Flow (2)
90	199.80	97.92	Shut-In(2)
137	1443.48	98.31	End Shut-In(2)
137	1497.45	98.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	Mud w/ slight oil specks	4.21

## 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

**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
Job Ticket: 45681 **DST#: 1**  
Test Start: 2012.02.03 @ 12:08:05

**Tool Information**

Drill Pipe:	Length: 3116.00 ft	Diameter: 3.80 inches	Volume: 43.71 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:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	42000.00 lb
			<u>Total Volume: 43.71 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3128.00 ft			Final	37000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	76.00 ft				
Tool Length:	96.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Fluid leaking around packers, Shut ins invalid.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3109.00	
Shut In Tool	5.00			3114.00	
Hydraulic tool	5.00			3119.00	
Packer	5.00			3124.00	20.00 Bottom Of Top Packer
Packer	4.00			3128.00	
Stubb	1.00			3129.00	
Perforations	3.00			3132.00	
Change Over Sub	1.00			3133.00	
Recorder	0.00	8017	Inside	3133.00	
Recorder	0.00	8352	Outside	3133.00	
Drill Pipe	62.00			3195.00	
Change Over Sub	1.00			3196.00	
Perforations	5.00			3201.00	
Bullnose	3.00			3204.00	76.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>96.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Charter Energy inc

**9-16s-13w Barton,KS**

PO Box 252  
Great Bend KS 67530+0252

**Bird/ Schneweis #2**

Job Ticket: 45681

**DST#: 1**

ATTN: Jim Musgrove

Test Start: 2012.02.03 @ 12:08:05

## 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:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	Mud w/ slight oil specks	4.208

Total Length: 300.00 ft      Total Volume: 4.208 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

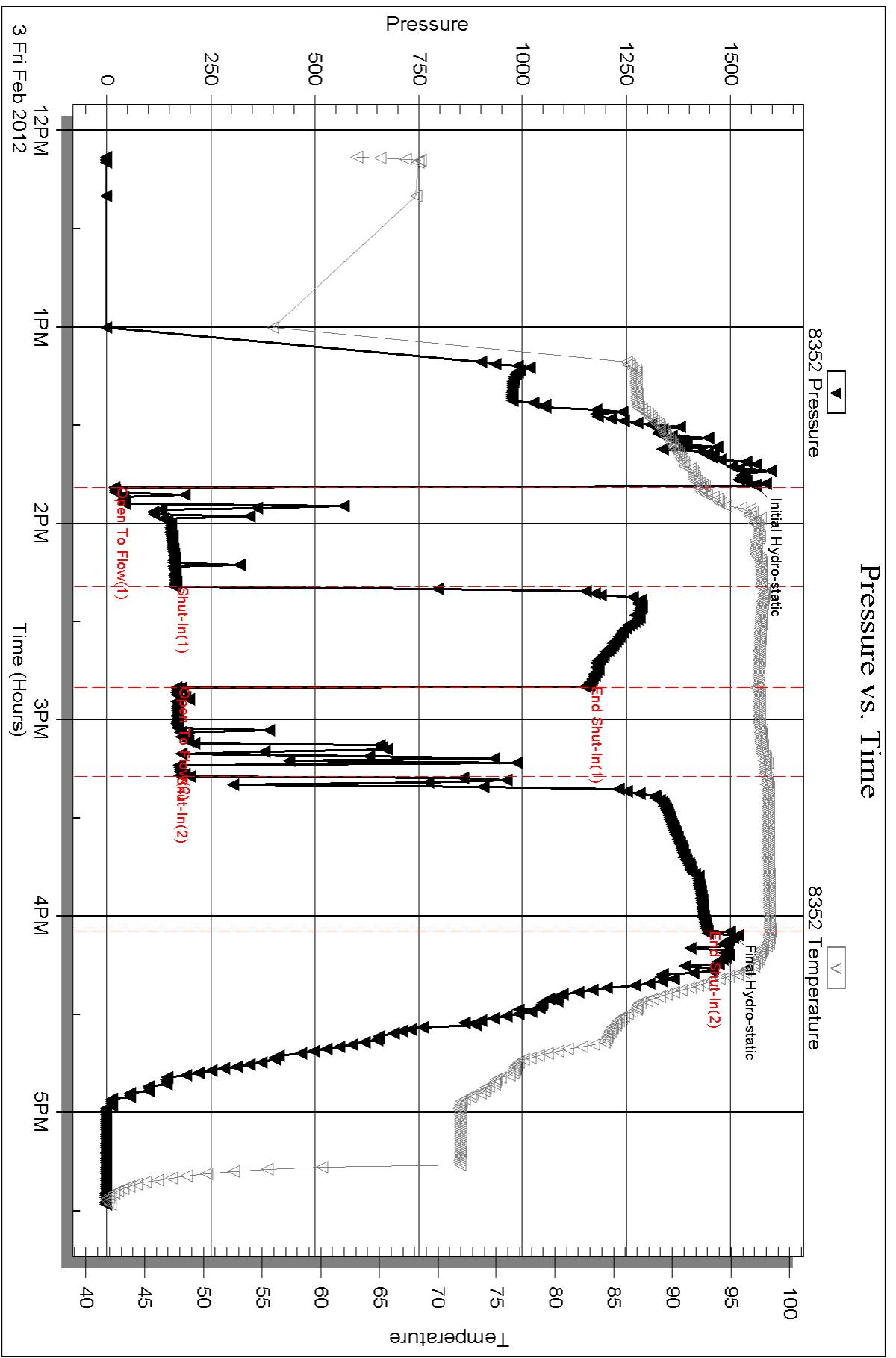
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





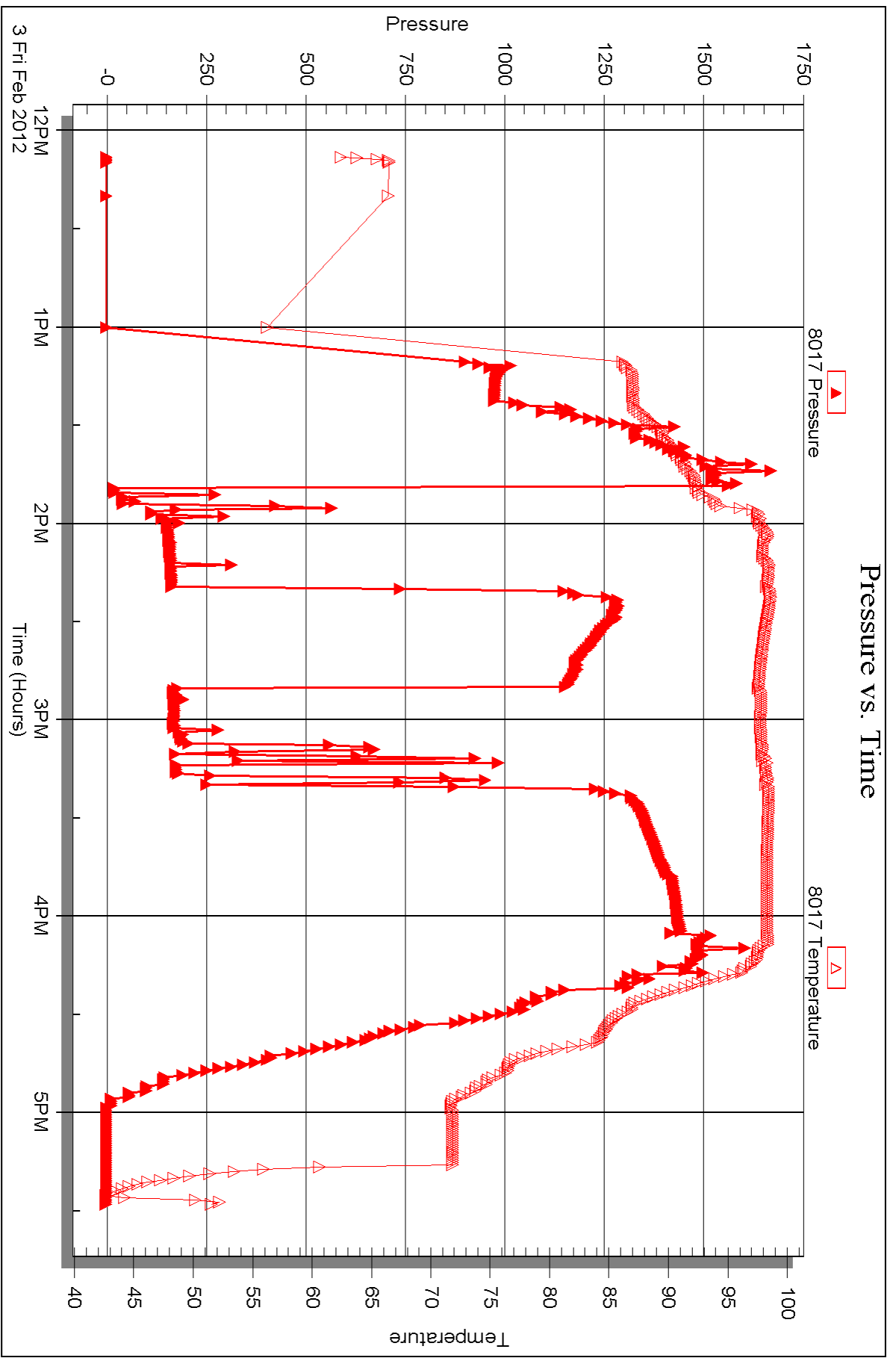
Serial #: 8017

Inside

Charter Energy Inc

Bird/ Schneew eis #2

DST Test Number: 1







## DRILL STEM TEST REPORT

Prepared For: **Charter Energy inc**

PO Box 252  
Great Bend KS 67530+0252

ATTN: Jim Musgrove

### **Bird/ Schneweis #2**

### **9-16s-13w Barton,KS**

Start Date: 2012.02.03 @ 18:23:05

End Date: 2012.02.03 @ 22:48:59

Job Ticket #: 45682                      DST #: 2

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

Printed: 2012.02.07 @ 12:26:58

Charter Energy inc  
9-16s-13w Barton,KS  
Bird/ Schneweis #2  
DST # 2  
LKC"C-F"  
2012.02.03



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
 Job Ticket: 45682 **DST#: 2**  
 Test Start: 2012.02.03 @ 18:23:05

## GENERAL INFORMATION:

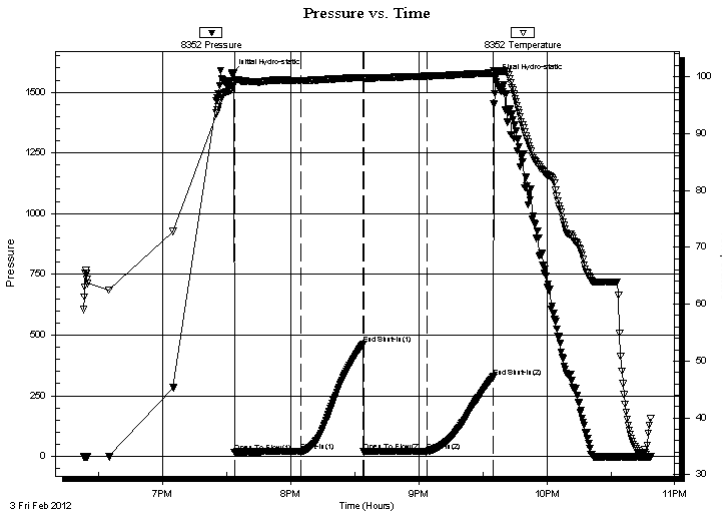
Formation: **LKC"C-F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:33:40  
 Time Test Ended: 22:48:59  
 Interval: **3148.00 ft (KB) To 3204.00 ft (KB) (TVD)**  
 Total Depth: 3204.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 1920.00 ft (KB)  
 1913.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8352 Outside

Press@RunDepth: 19.92 psig @ 3153.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.02.03 End Date: 2012.02.03 Last Calib.: 2012.02.03  
 Start Time: 18:23:05 End Time: 22:48:59 Time On Btm: 2012.02.03 @ 19:32:30  
 Time Off Btm: 2012.02.03 @ 21:35:50

**TEST COMMENT:** IF:(30min) Weak 1", decreased to surface blow  
 IS:(30min) No Return  
 FF:(30min) No Blow  
 FS:(30min) No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1575.79	97.66	Initial Hydro-static
2	18.46	98.86	Open To Flow (1)
33	19.32	99.29	Shut-In(1)
62	461.77	99.84	End Shut-In(1)
62	19.10	99.50	Open To Flow (2)
92	19.92	100.07	Shut-In(2)
123	328.05	100.61	End Shut-In(2)
124	1554.72	100.87	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/ slight oil specks in tool	0.14

\* 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

**9-16s-13w Barton,KS**

PO Box 252  
Great Bend KS 67530+0252

**Bird/ Schneweis #2**

Job Ticket: 45682

**DST#: 2**

ATTN: Jim Musgrove

Test Start: 2012.02.03 @ 18:23:05

## Tool Information

Drill Pipe:	Length: 3148.00 ft	Diameter: 3.80 inches	Volume: 44.16 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: 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: 44.16 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3148.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	76.00 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			3129.00	
Shut In Tool	5.00			3134.00	
Hydraulic tool	5.00			3139.00	
Packer	5.00			3144.00	20.00 Bottom Of Top Packer
Packer	4.00			3148.00	
Stubb	1.00			3149.00	
Perforations	3.00			3152.00	
Change Over Sub	1.00			3153.00	
Recorder	0.00	8017	Inside	3153.00	
Recorder	0.00	8352	Outside	3153.00	
Drill Pipe	31.00			3184.00	
Change Over Sub	1.00			3185.00	
Perforations	16.00			3201.00	
Bullnose	3.00			3204.00	56.00 Bottom Packers & Anchor

**Total Tool Length: 76.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Charter Energy inc

**9-16s-13w Barton,KS**

PO Box 252  
Great Bend KS 67530+0252

**Bird/ Schneweis #2**

Job Ticket: 45682      **DST#: 2**

ATTN: Jim Musgrove

Test Start: 2012.02.03 @ 18:23:05

## 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:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.73 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

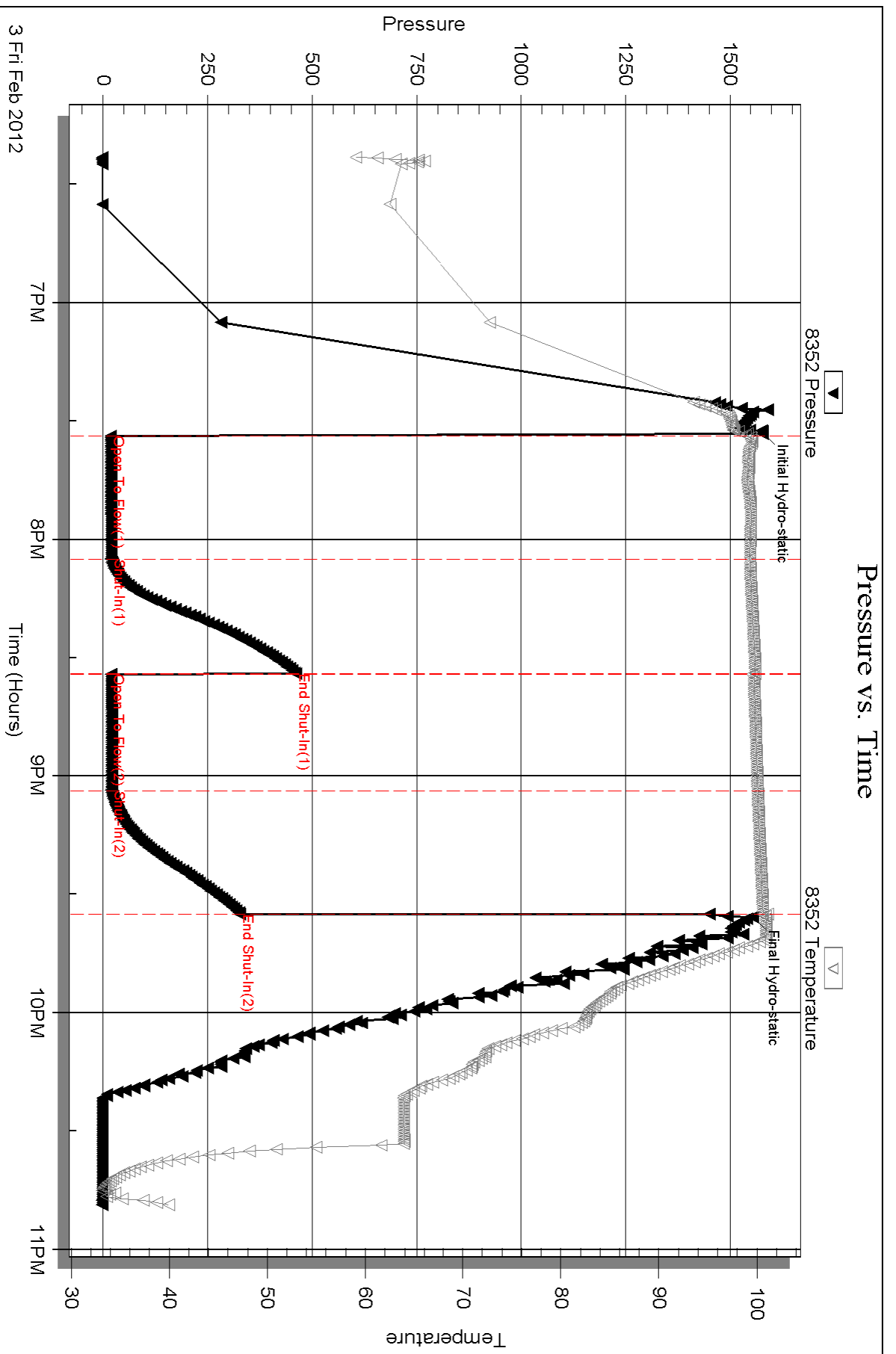
Length ft	Description	Volume bbl
10.00	Mud w/ slight oil specks in tool	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





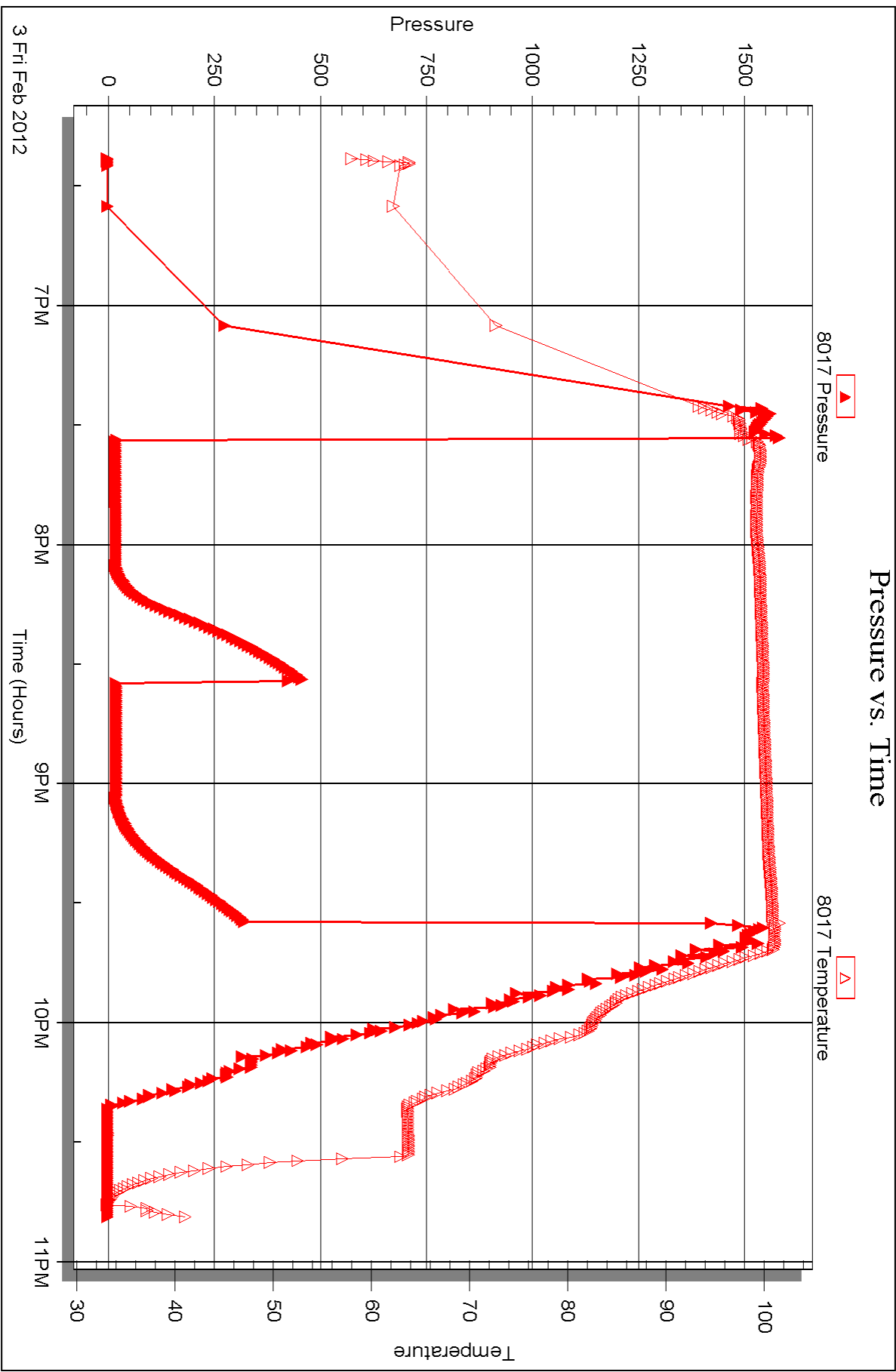
Serial #: 8017

Inside

Charter Energy Inc

Bird/Schnew eis #2

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Charter Energy inc**

PO Box 252  
Great Bend KS 67530+0252

ATTN: Jim Musgrove

### **Bird/ Schneweis #2**

### **9-16s-13w Barton,KS**

Start Date: 2012.02.04 @ 13:43:05

End Date: 2012.02.04 @ 19:35:39

Job Ticket #: 45683                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.07 @ 12:25:58

Charter Energy inc

9-16s-13w Barton,KS

Bird/ Schneweis #2

DST # 3

LKC"i,j,k"

2012.02.04



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
 Job Ticket: 45683 **DST#: 3**  
 Test Start: 2012.02.04 @ 13:43:05

## GENERAL INFORMATION:

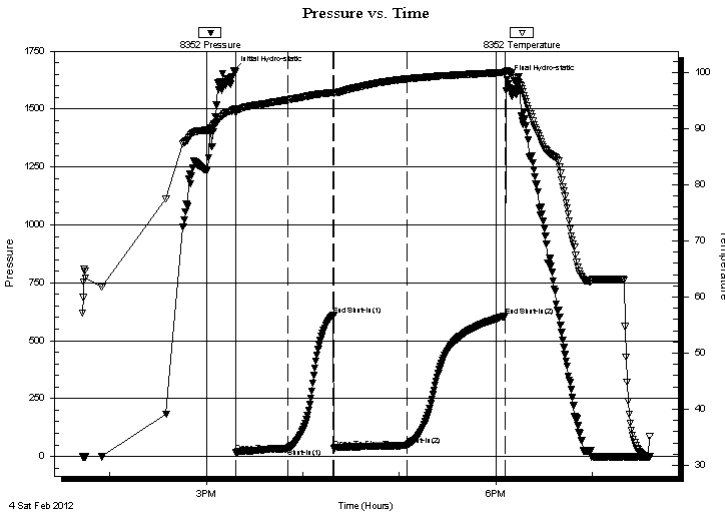
Formation: **LKC"I,J,K"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 15:18:30 Tester: Andy Carreira  
 Time Test Ended: 19:35:39 Unit No: 39  
 Interval: **3248.00 ft (KB) To 3340.00 ft (KB) (TVD)** Reference Elevations: 1920.00 ft (KB)  
 Total Depth: 3340.00 ft (KB) (TVD) 1913.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

## Serial #: 8352 Outside

Press @ Run Depth: 47.93 psig @ 3253.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.02.04 End Date: 2012.02.04 Last Calib.: 2012.02.04  
 Start Time: 13:43:05 End Time: 19:35:40 Time On Btm: 2012.02.04 @ 15:16:50  
 Time Off Btm: 2012.02.04 @ 18:06:50

**TEST COMMENT:** IF:(30min) Slow building blow, 6" in 10 min. BOB in 23 min.  
 ISl:(30min) No Return  
 FF:(45min) Slow building blow, 10" in 45 min.  
 FSl:(60min) No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.52	93.35	Initial Hydro-static
2	17.73	92.89	Open To Flow (1)
34	33.34	95.13	Shut-In(1)
62	611.66	96.44	End Shut-In(1)
63	33.28	96.30	Open To Flow (2)
108	47.93	98.86	Shut-In(2)
169	606.49	99.97	End Shut-In(2)
170	1626.25	100.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GHOCM g=5% o=30% m=65%	0.84
20.00	GOCM g=5% o=10% m=85%	0.28
0.00	GIP= 105ft	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  
 PO Box 252  
 Great Bend KS 67530+0252  
 ATTN: Jim Musgrove

**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
 Job Ticket: 45683 **DST#: 3**  
 Test Start: 2012.02.04 @ 13:43:05

**Tool Information**

Drill Pipe:	Length: 3242.00 ft	Diameter: 3.80 inches	Volume: 45.48 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: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 45.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3248.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	112.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3229.00	
Shut In Tool	5.00			3234.00	
Hydraulic tool	5.00			3239.00	
Packer	5.00			3244.00	20.00 Bottom Of Top Packer
Packer	4.00			3248.00	
Stubb	1.00			3249.00	
Perforations	3.00			3252.00	
Change Over Sub	1.00			3253.00	
Recorder	0.00	8017	Inside	3253.00	
Recorder	0.00	8352	Outside	3253.00	
Drill Pipe	62.00			3315.00	
Change Over Sub	1.00			3316.00	
Perforations	21.00			3337.00	
Bullnose	3.00			3340.00	92.00 Bottom Packers & Anchor

**Total Tool Length: 112.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Charter Energy inc

**9-16s-13w Barton,KS**

PO Box 252  
Great Bend KS 67530+0252

**Bird/ Schneweis #2**

Job Ticket: 45683

**DST#: 3**

ATTN: Jim Musgrove

Test Start: 2012.02.04 @ 13:43:05

## 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:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9300.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GHOCM g=5% o=30% m=65%	0.842
20.00	GOCM g=5% o=10% m=85%	0.281
0.00	GIP= 105ft	0.000

Total Length: 80.00 ft

Total Volume: 1.123 bbl

Num Fluid Samples: 0

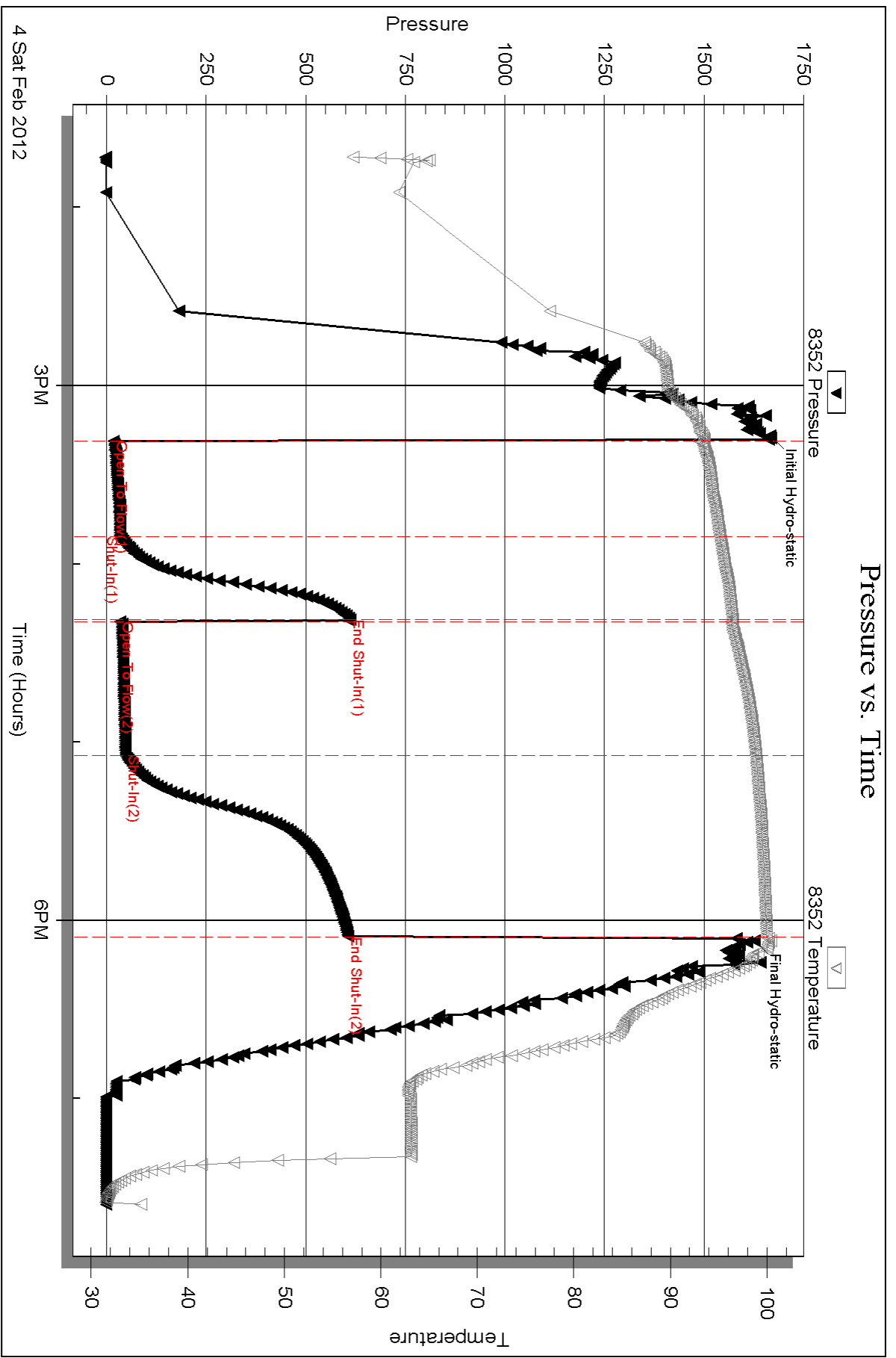
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



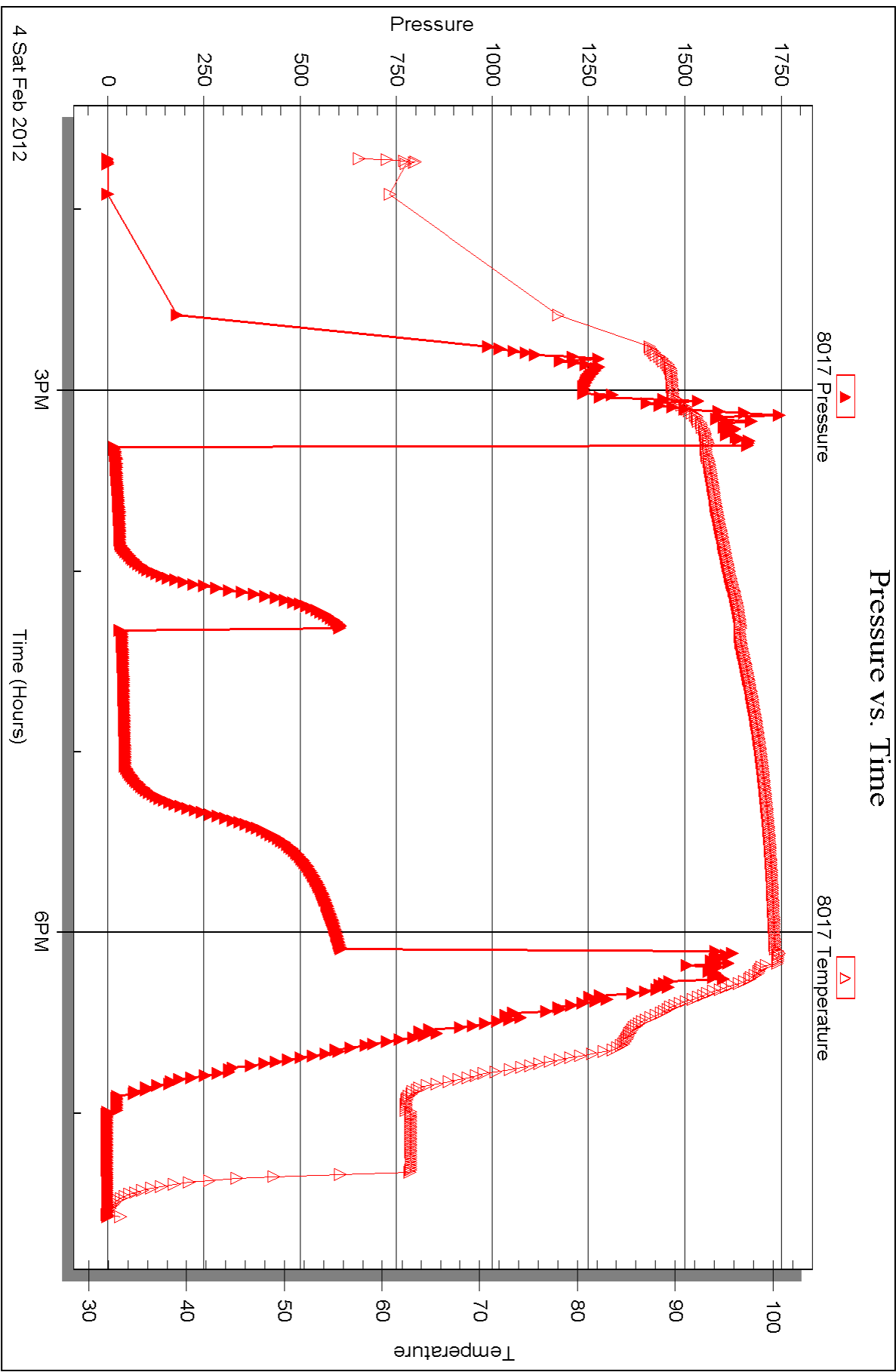
Serial #: 8017

Inside

Charter Energy Inc

Bird/ Schneew eis #2

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Charter Energy inc**

PO Box 252  
Great Bend KS 67530+0252

ATTN: Jim Musgrove

### **Bird/ Schneweis #2**

### **9-16s-13w Barton,KS**

Start Date: 2012.02.05 @ 07:13:05

End Date: 2012.02.05 @ 12:35:20

Job Ticket #: 45684                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.07 @ 12:24:51





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
 Job Ticket: 45684 **DST#: 4**  
 Test Start: 2012.02.05 @ 07:13:05

## GENERAL INFORMATION:

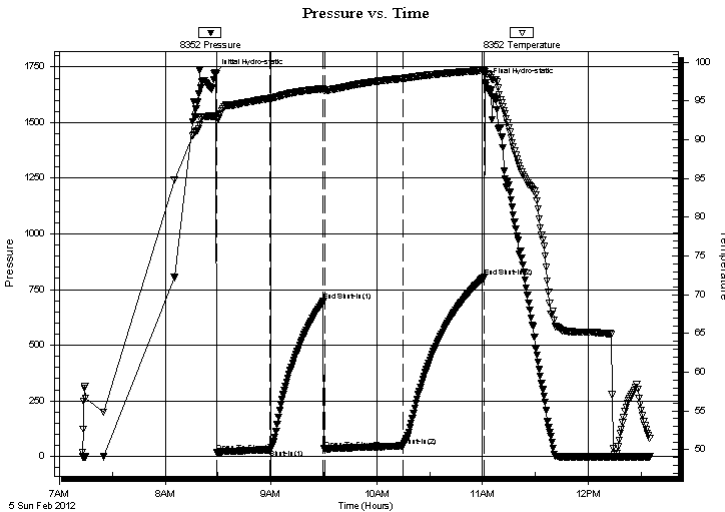
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 08:29:20 Tester: Andy Carreira  
 Time Test Ended: 12:35:20 Unit No: 39  
 Interval: **3339.00 ft (KB) To 3379.00 ft (KB) (TVD)** Reference Elevations: 1920.00 ft (KB)  
 Total Depth: 3379.00 ft (KB) (TVD) 1913.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

## Serial #: 8352 Outside

Press@RunDepth: 47.61 psig @ 3340.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.02.05 End Date: 2012.02.05 Last Calib.: 2012.02.05  
 Start Time: 07:13:05 End Time: 12:35:20 Time On Btm: 2012.02.05 @ 08:27:50  
 Time Off Btm: 2012.02.05 @ 11:01:50

**TEST COMMENT:** IF:(30min) 6" blow in 13 min. built to 8 inches  
 IS:(30min) No Return  
 FF:(45min) 6 inch blow in 21 min. built to 8 inches  
 FS:(45min) No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.57	93.05	Initial Hydro-static
2	17.15	92.54	Open To Flow (1)
32	30.66	95.34	Shut-In(1)
62	696.62	96.57	End Shut-In(1)
63	33.51	96.38	Open To Flow (2)
107	47.61	97.90	Shut-In(2)
154	806.22	98.95	End Shut-In(2)
154	1678.84	98.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GHOCM g=10% o=30% m=60%	0.84
30.00	CGO g=10% o=90%	0.42
0.00	GIP= 30ft	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  
PO Box 252  
Great Bend KS 67530+0252  
ATTN: Jim Musgrove

**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
Job Ticket: 45684      **DST#: 4**  
Test Start: 2012.02.05 @ 07:13:05

**Tool Information**

Drill Pipe:	Length: 3333.00 ft	Diameter: 3.80 inches	Volume: 46.75 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: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 46.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3339.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3320.00	
Shut In Tool	5.00			3325.00	
Hydraulic tool	5.00			3330.00	
Packer	5.00			3335.00	20.00      Bottom Of Top Packer
Packer	4.00			3339.00	
Stubb	1.00			3340.00	
Recorder	0.00	8017	Inside	3340.00	
Recorder	0.00	8352	Outside	3340.00	
Perforations	36.00			3376.00	
Bullnose	3.00			3379.00	40.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>60.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
Job Ticket: 45684      **DST#: 4**  
Test Start: 2012.02.05 @ 07:13:05

## Mud and Cushion Information

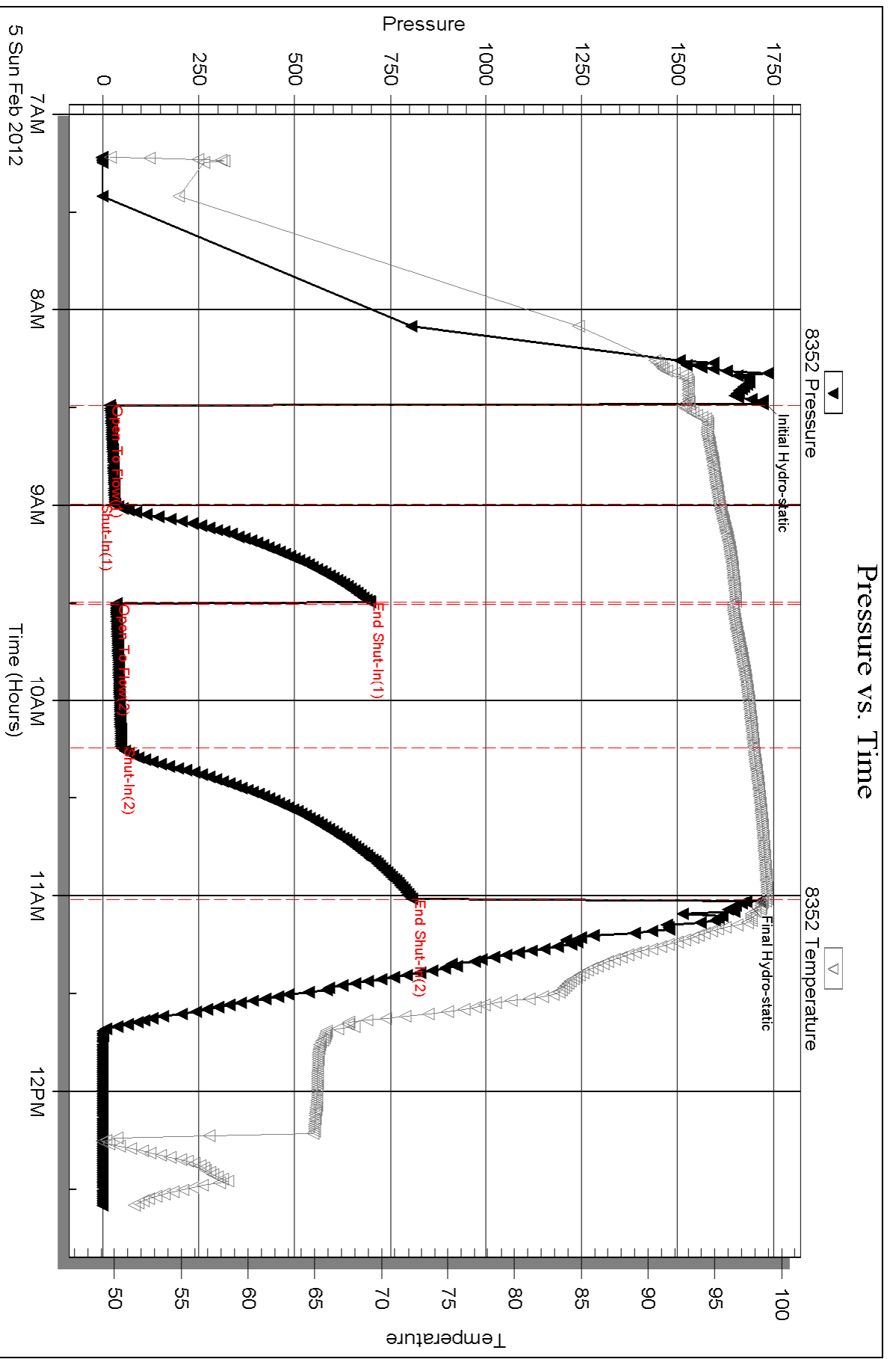
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9300.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GHOCM g=10% o=30% m=60%	0.842
30.00	CGO g=10% o=90%	0.421
0.00	GIP= 30ft	0.000

Total Length: 90.00 ft      Total Volume: 1.263 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





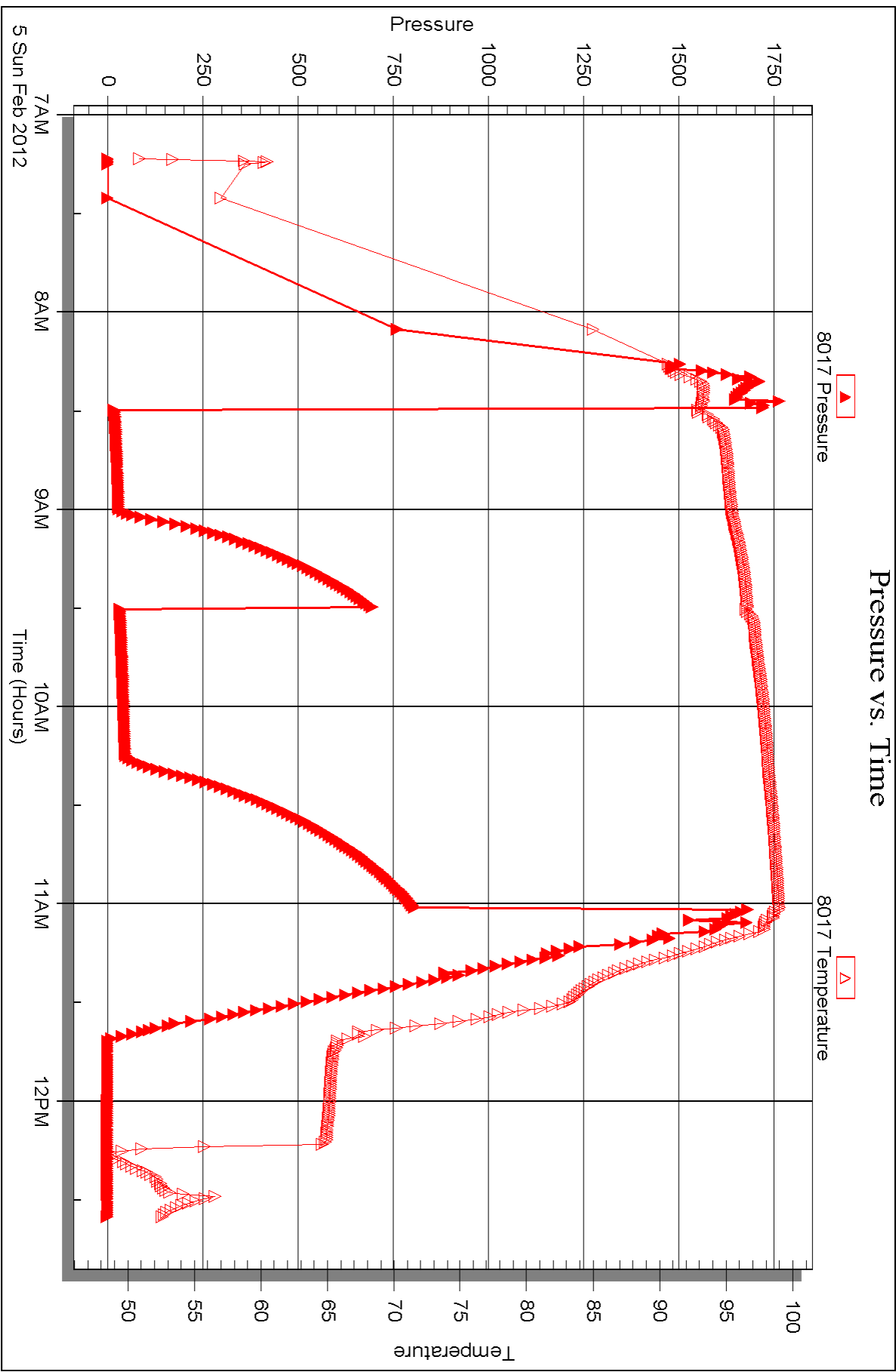
Serial #: 8017

Inside

Charter Energy Inc

Bird/ Schneew eis #2

DST Test Number: 4





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
FEB 06 2012

## Test Ticket

NO. 45681

Well Name & No. BIRD/SCHNEWEIS 2 Test No. T Date 2-3-12  
 Company Chatter Energy Inc Elevation 1920 KB 1913 GL  
 Address PO Box 252 Great Bend KS 67530-0252  
 Co. Rep / Geo. Jim Muscovi Rig Royal #2  
 Location: Sec. 9 Twp. 16s Rge. 13w Co. Barton State Ks

Interval Tested 3128-3204 Zone Tested LKC "A-F"  
 Anchor Length 76 Drill Pipe Run 3116 Mud Wt. 9.2  
 Top Packer Depth 3123 Drill Collars Run 0 Vis 50  
 Bottom Packer Depth 3128 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3204 Chlorides 6500 ppm System LCM 1

Blow Description IF: Fluid leaked tubes around packer  
ISD: No Return  
FP: Surface blow  
FSD: No Return

Rec	Feet of	%gas	%oil	%water	%mud
300	Mud w/ slt oil spcks				
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 300' BHT 98' Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1558  Test @ 925' T-On Location 11:05  
 (B) First Initial Flow 18  ~~Test~~ T-Started 12:08  
 (C) First Final Flow 163  Safety Joint T-Open 13:50  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub T-Pulled 16:05  
 (E) Second Initial Flow 167  Hourly Standby T-Out 17:29  
 (F) Second Final Flow 199  Mileage 88ET 123 20 Comments Fluid leakage  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_ around packer.  
 (H) Final Hydrostatic 14  Straddle \_\_\_\_\_ Shut-ins involved  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies

Initial Open 30  Extra Packer  
 Initial Shut-In 30  Extra Recorder  
 Final Flow 30  Day Standby  
 Final Shut-In 45  Accessibility  
 Sub Total 1048 20' 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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
FEB 06 2012

## Test Ticket

NO. 45682

Well Name & No. BIRD/SCHNEWEIS BY 2 Test No. 2 Date 2-3-12  
 Company CHARTER ENERGY INC Elevation 1920 KB 1913 GL  
 Address PO BOX 252 GREAT BEND KS, 67530-0252  
 Co. Rep / Geo. JIM MUSGROVE Rig ROYAL #2  
 Location: Sec. 9 Twp. 16S Rge. 13W Co. BARTON State KS

Interval Tested 3148-3204 Zone Tested LKC "C-F"  
 Anchor Length 56' Drill Pipe Run 3148 Mud Wt. 9.2  
 Top Packer Depth 3143 Drill Collars Run 0 Vis 50  
 Bottom Packer Depth 3148 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3204 Chlorides 6500 ppm System LCM 1

Blow Description IF: WEAK 1" DECREASED TO SURFACE  
IST NO RETURN  
FF NO BLOW  
FST NO RETURN

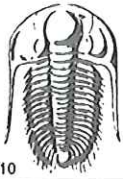
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud w/ slight oil specks in Tool</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 100' Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1575  Test 1125 T-On Location 17:29  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 18:29  
 (C) First Final Flow 19  Safety Joint \_\_\_\_\_ T-Open 19:35  
 (D) Initial Shut-In 461  Circ Sub \_\_\_\_\_ T-Pulled 21:35  
 (E) Second Initial Flow 19  Hourly Standby \_\_\_\_\_ T-Out 22:50  
 (F) Second Final Flow 19  Mileage 80KT 123<sup>20</sup> Comments \_\_\_\_\_  
 (G) Final Shut-In 328  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1554  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 1248<sup>20</sup>  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 1248<sup>20</sup>

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

RECEIVED  
FEB 06 2012  
BY: \_\_\_\_\_

## Test Ticket

NO. 45683

Well Name & No. BIRD/SCHNEWEIS 2 Test No. 3 Date 2-4-12  
 Company CHARTER ENERGY INC Elevation 1920 KB 1913 GL  
 Address PO BOX 252 GREAT BEND KS 67530+0252  
 Co. Rep / Geo. Jim Musgrove Rig ROYAL #2  
 Location: Sec. 9 Twp. 16S Rge. 13W Co. BARTON State Ks

Interval Tested 3248-3340 Zone Tested LKC "ISK"  
 Anchor Length 92 Drill Pipe Run 3242 Mud Wt. 9.2  
 Top Packer Depth 3243 Drill Collars Run 0 Vis 5057  
 Bottom Packer Depth 3248 Wt. Pipe Run 0 WL 8.8 10  
 Total Depth 3340 Chlorides 6500 9300 ppm System LCM 1

Blow Description IF: Slow building blow 6" in 10min. BOB 23min  
ISL: No Return  
FF: Slow building blow 10" in 45min.  
FSL: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>60cm</u>	<u>5</u>	<u>10</u>	<u>85</u>	<u>0</u>
<u>60</u>	<u>GHOCM</u>	<u>5</u>	<u>30</u>	<u>65</u>	<u>0</u>
<u>105</u>	<u>GIP</u>				

Rec Total 80' BHT 99' Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1666  Test 1125 T-On Location 12:59  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 13:43  
 (C) First Final Flow 33  Safety Joint \_\_\_\_\_ T-Open 15:20  
 (D) Initial Shut-In 611  Circ Sub \_\_\_\_\_ T-Pulled 18:05  
 (E) Second Initial Flow 33  Hourly Standby \_\_\_\_\_ T-Out 19:35  
 (F) Second Final Flow 47  Mileage 882E 123 20 Comments \_\_\_\_\_  
 (G) Final Shut-In 606  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1626  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 1248 20  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1248 20

Approved By \_\_\_\_\_ Our Representative Andy Car  
 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

RECEIVED  
FEB 06 2012

## Test Ticket

NO. 45684

4/10

BY: \_\_\_\_\_

Well Name & No. BIRD/SCHNEWEIS Test No. 4 Date 2-5-12  
 Company Chartre Energy Inc. Elevation 1920 KB 1913 GL  
 Address PO Box 252 Great Bend Ks. 67530+0252  
 Co. Rep / Geo. Jim Musgrove Rig Royal #2  
 Location: Sec. 9 Twp. 16S Rge. 13W Co. BARTON State Ks.

Interval Tested 3339-3379 Zone Tested ARBUCKLE  
 Anchor Length 40' Drill Pipe Run 3333 Mud Wt. 9.3  
 Top Packer Depth 3334 Drill Collars Run 0 Vis 57  
 Bottom Packer Depth 3339 Wt. Pipe Run 0 WL 10  
 Total Depth 3379 Chlorides 9300 ppm System LCM 1

Blow Description IF: 6 inch blow in 13 min, built to 8 inches  
ISL: NO RETURN  
FF: 6 inch blow in 21 min, built to 8 inches  
FSL: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>CB0</u>	<u>10</u>	<u>90</u>		
<u>60</u>	<u>GHOEM</u>	<u>10</u>	<u>30</u>		<u>60</u>
<u>30</u>	<u>GIP</u>				

Rec Total 90' BHT 98° Gravity 38 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1721  Test 1125 T-On Location 06:42  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 07:13  
 (C) First Final Flow 30  Safety Joint \_\_\_\_\_ T-Open 08:30  
 (D) Initial Shut-In 696  Circ Sub \_\_\_\_\_ T-Pulled 11:00  
 (E) Second Initial Flow 33  Hourly Standby \_\_\_\_\_ T-Out 12:36  
 (F) Second Final Flow 47  Mileage 88RT 123<sup>20</sup> Comments \_\_\_\_\_  
 (G) Final Shut-In 806  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1678  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 05  
 Final Flow 45  Day Standby \_\_\_\_\_ Total 1248<sup>20</sup>  
 Final Shut-In 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1248<sup>20</sup>

Approved By \_\_\_\_\_ Our Representative Prody Co

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