



KANSAS CORPORATION COMMISSION 1082031  
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>01/30/2012</u>	<u>02/05/2012</u>	<u>02/09/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25657-00-00

Spot Description: \_\_\_\_\_  
NW SW SE SE Sec. 9 Twp. 16 S. R. 13  East  West  
580 Feet from  North /  South Line of Section  
1250 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Barton  
Lease Name: Bird/Schneweis Well #: 2  
Field Name: Trapp

Producing Formation: Arbuckle

Elevation: Ground: 1913 Kelly Bushing: 1920

Total Depth: 3379 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 444 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: 54000 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: Deanna Gantt Date: 05/21/2012



1082031

Operator Name: Charter Energy, Inc. Lease Name: Bird/Schneweis Well #: 2  
 Sec. 9 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:  Dual Induction, Comp. Density Neutron, 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>860</td> <td>+1060</td> </tr> <tr> <td>Heebner</td> <td>3042</td> <td>-1122</td> </tr> <tr> <td>Toronto</td> <td>3061</td> <td>-1141</td> </tr> <tr> <td>Douglas</td> <td>3074</td> <td>-1154</td> </tr> <tr> <td>Brown Lime</td> <td>3123</td> <td>-1203</td> </tr> <tr> <td>Lansing</td> <td>3131</td> <td>-1211</td> </tr> <tr> <td>Arbuckle</td> <td>3369</td> <td>-1449</td> </tr> </table>	Name	Top	Datum	Anhydrite	860	+1060	Heebner	3042	-1122	Toronto	3061	-1141	Douglas	3074	-1154	Brown Lime	3123	-1203	Lansing	3131	-1211	Arbuckle	3369	-1449
Name	Top	Datum																							
Anhydrite	860	+1060																							
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Douglas	3074	-1154																							
Brown Lime	3123	-1203																							
Lansing	3131	-1211																							
Arbuckle	3369	-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	8.875	23	444	Common	190	3%CC 2% gel
Production	7.875	5.5	14	3373	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
		150 gallons 15% INS	

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3370</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>02/28/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
--	--

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
	10		30		

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 checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# SWIFT



Services, Inc.

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	Floccle				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>

C145587  
2-20-12



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.: **#2**  
 LEASE: **BERD-SCHNEWEYS**  
 COUNTY/PARISH: **BARTON**  
 STATE: **Ks**  
 CITY:  
 DATE: **2-6-12**  
 OWNER: **SAME**  
 2. TICKET TYPE:  SERVICE  SALES  
 CONTRACTOR: **ROYAL DRILLING**  
 RIG NAME/NO.:  
 SHIPPED VIA: **CT**  
 DELIVERED TO: **LOCATION**  
 ORDER NO.:  
 3. WELL TYPE: **OR**  
 WELL CATEGORY: **DEVELOPMENT**  
 JOB PURPOSE: **5 1/2" LOGGING**  
 WELL PERMIT NO.:  
 WELL LOCATION: **SUSANK, Ks - 22 1/2 E, N 2 W**  
 4. REFERRAL LOCATION:  
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 110	60	ME			6.00	360.00
578		1			PUMP CHARGE	1	JOB	3379	FT	1500.00	1500.00
221		1			LUBRICANT KCL	2	Gal			25.00	50.00
281		1			MUDFLOSH	500	Gal			1.25	625.00
402		1			CENTRALIZERS	8	EA	5 1/2"		70.00	560.00
403		1			CEMENT BASKET	0	EA			250.00	
406		1			LATCH DOWN PLUG - BAFFLE	1	EA			250.00	250.00
407		1			INSERT FLOAT SHOE W/AUTO FILL	1	EA			350.00	350.00
419		1			ROTATING HEAD RENTAL	1	hour			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

X *[Signature]*  
 DATE SIGNED: **2-6-12** TIME SIGNED: **1130**  A.M.  P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY?				#1	3695.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE?				#2	4641.50
Subtotal					8336.50
TAX Barton 7.3%					407.16
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	8743.66

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

SWIFT OPERATOR: **WAYNE WILSON** APPROVAL:

Thank You!



JOB LOG

SWIFT Services, Inc.

DATE 2-6-12 PAGE NO. 1

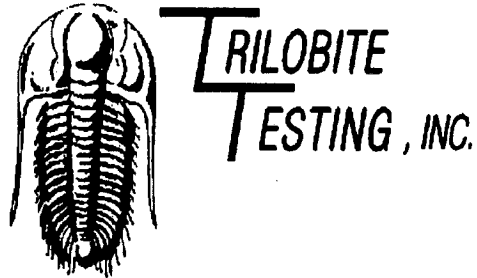
CUSTOMER  
CHARTER ENERGY

WELL NO.  
# 2

LEASE  
BIRD - SCHWEWETS  
JOB TYPE  
5 1/2" LONGSTRING

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 LOCATED
	0115							START 5 1/2" CASING TO WELL
								TD-3379 SETe 3373
								TP-3379 5 1/2 4 14
								ST-22'
								CENTRALIZERS- 1,3,5,7,9,11,13,15
								<del>CEMST BASKET</del>
	0250							DROP BALL - CIRCULATE
	0315	6	12		✓		450	PUMP 500 GAL MUD FLUSH
	0317	6	20		✓		450	PUMP 20 BBLS KCL-FLUSH
	0323		7-5					PLUG RH-MH (30SKS - 20SKS)
	0330	4	30		✓		200	MAX CEMST - 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

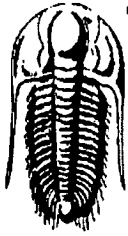
PO Box 362 Hays, KS 67601

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

Printed: 2012.02.07 @ 12:28:00

Charter Energy Inc 9-16s-13w Barton,KS Bird/ Schneweis #2 DST # 1 LKC"A-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

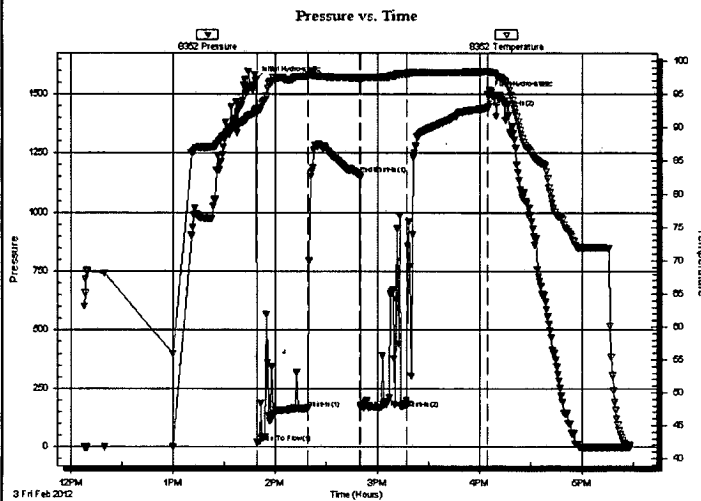
**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
Job Ticket: 45681      **DST#: 1**  
Test Start: 2012.02.03 @ 12:08:05

### 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@RunDepth: 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

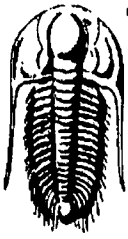
### Recovery

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

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

**Bird/ Schneweis #2**

Job Ticket: 45681

**DST#: 1**

ATTN: Jim Musgrove

Test Start: 2012.02.03 @ 12:08:05

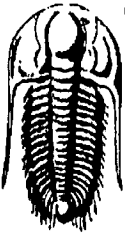
### Tool Information

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

**Total Tool Length: 96.00**



**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: 45681      **DST#: 1**  
Test Start: 2012.02.03 @ 12:08:05

**Mud and Cushion Information**

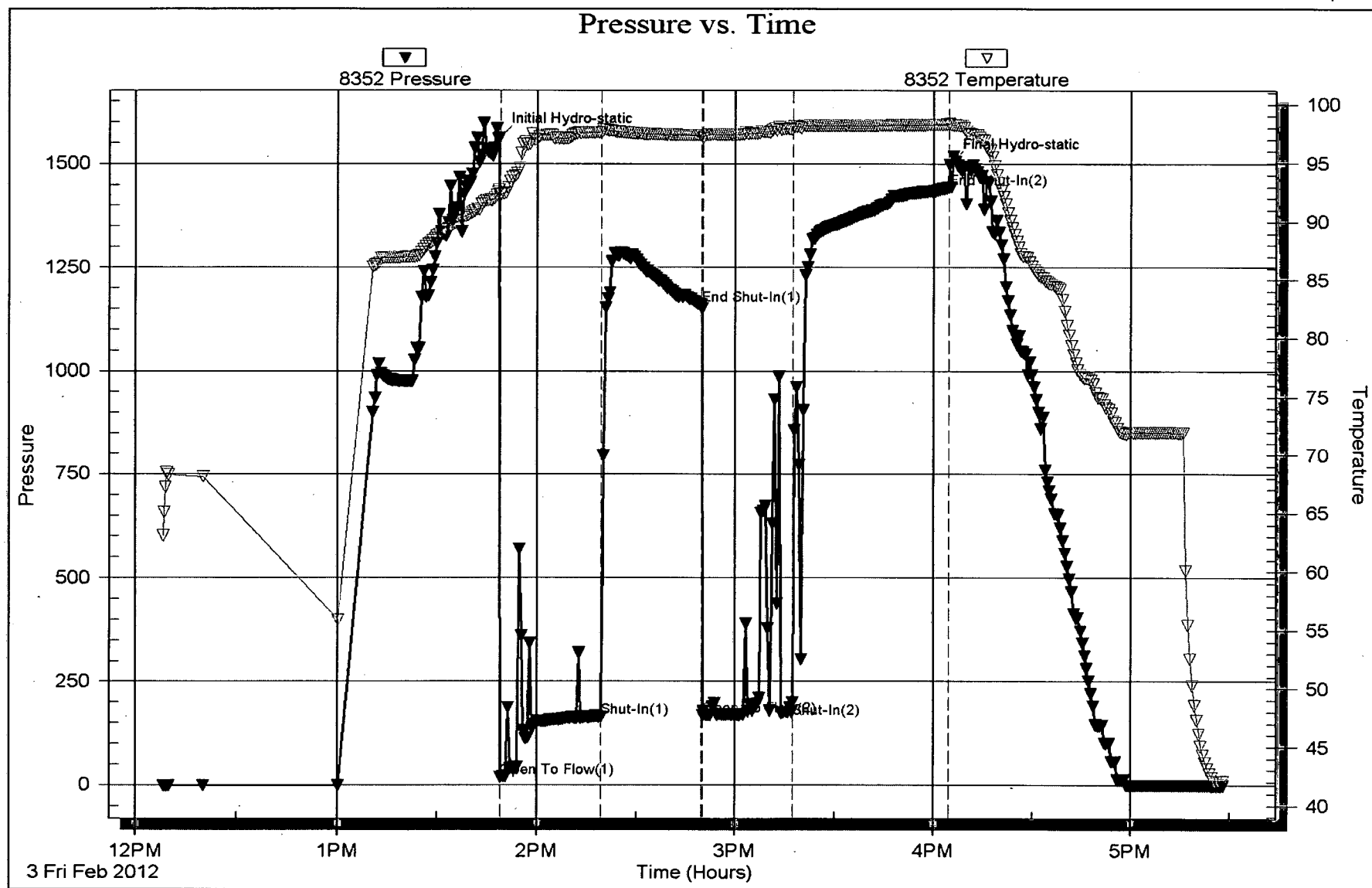
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.75 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: inches			

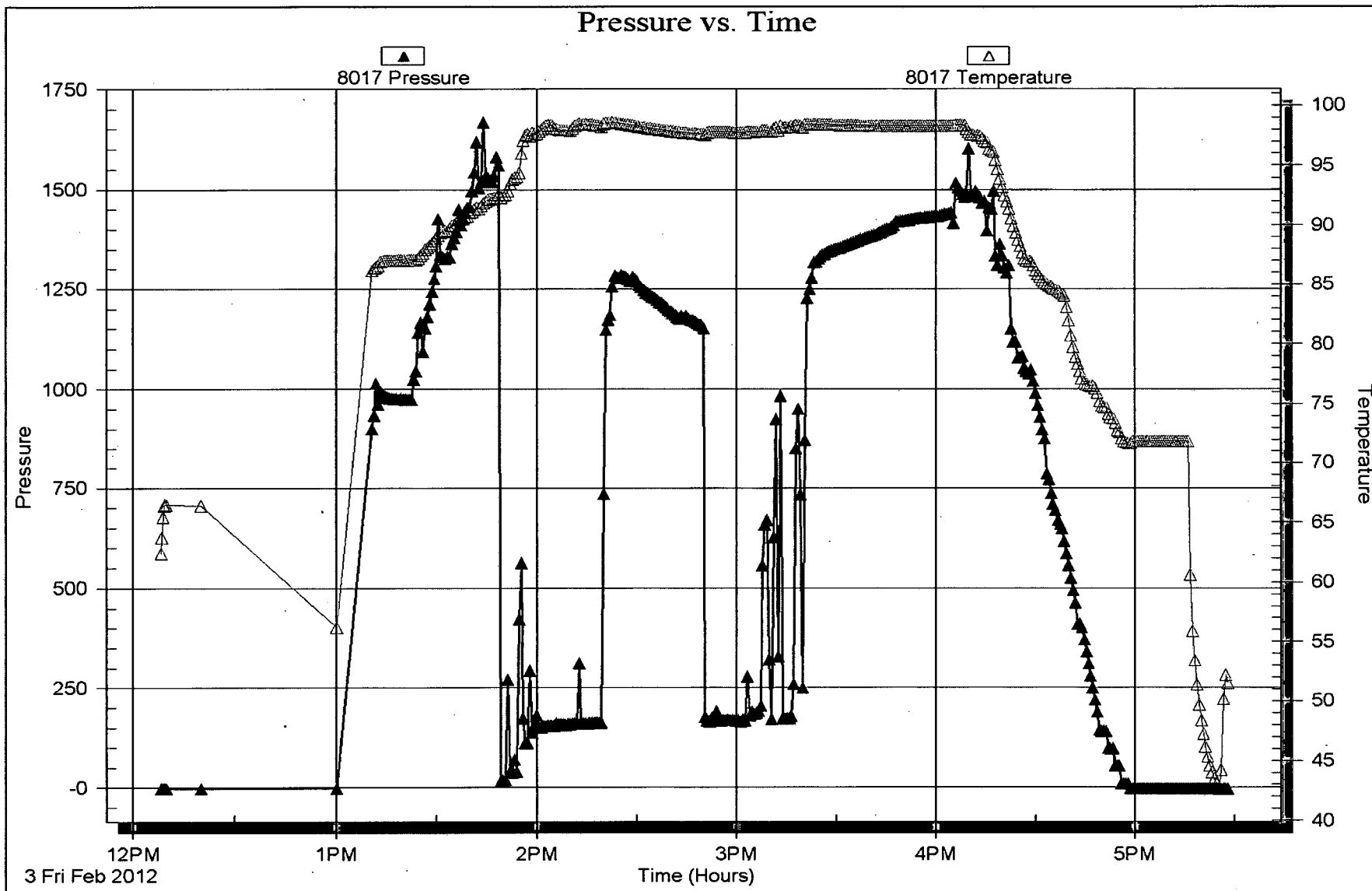
**Recovery Information**

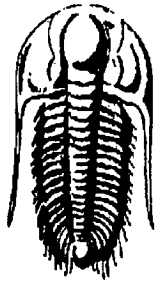
Recovery Table

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:







**TRILOBITE**  
**TESTING, INC.**

## 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

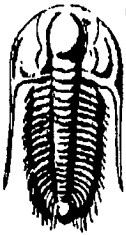
Trilobite Testing, Inc

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

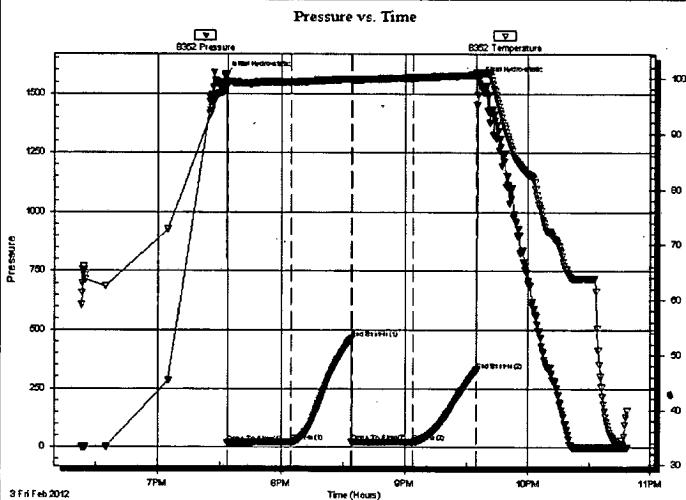
**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
 Job Ticket: 45682      **DST#: 2**  
 Test Start: 2012.02.03 @ 18:23:05

## GENERAL INFORMATION:

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

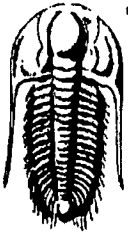
\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Charter Energy inc  
 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

### 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

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  
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

**Mud and Cushion Information**

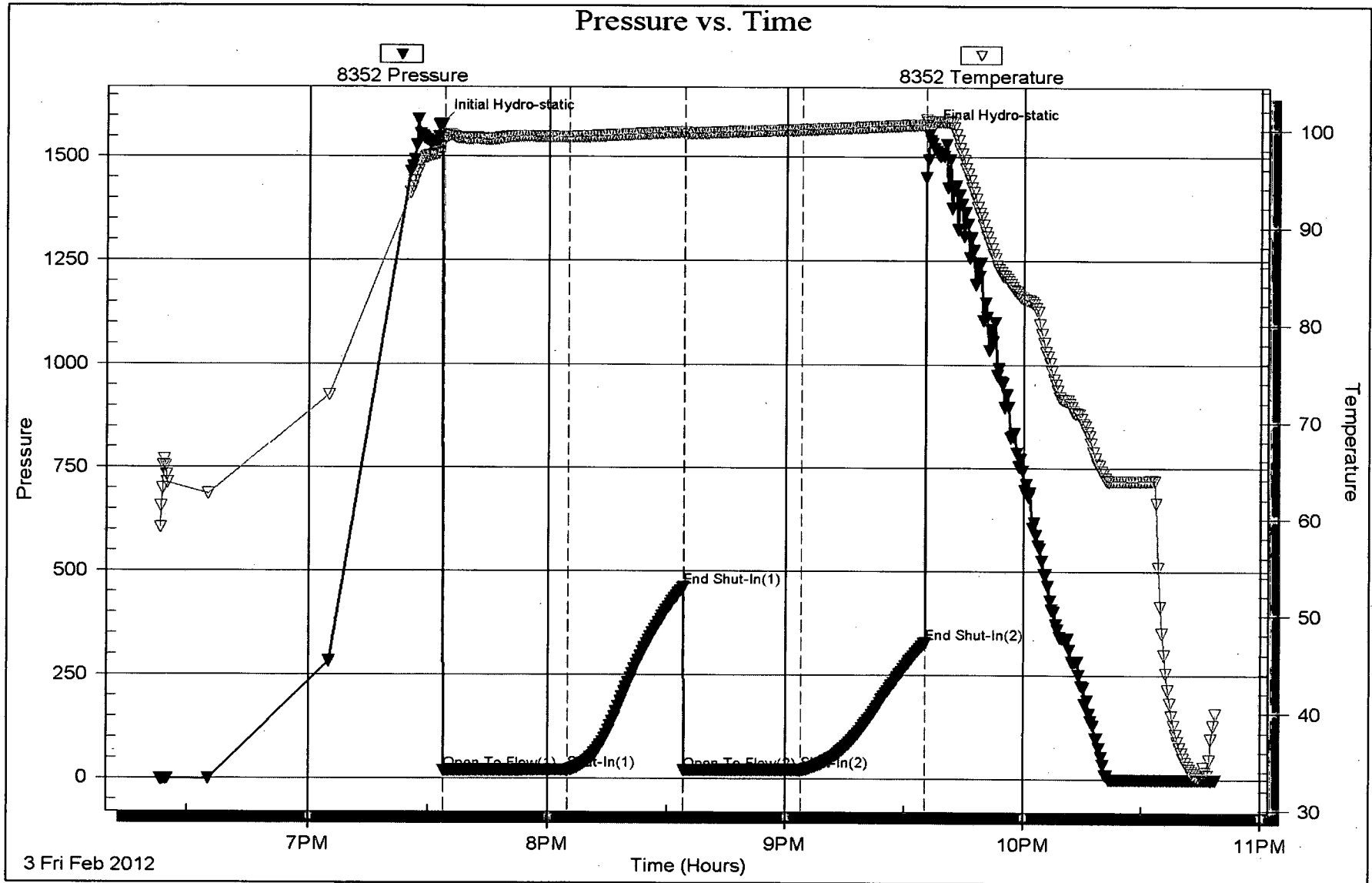
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.73 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: inches			

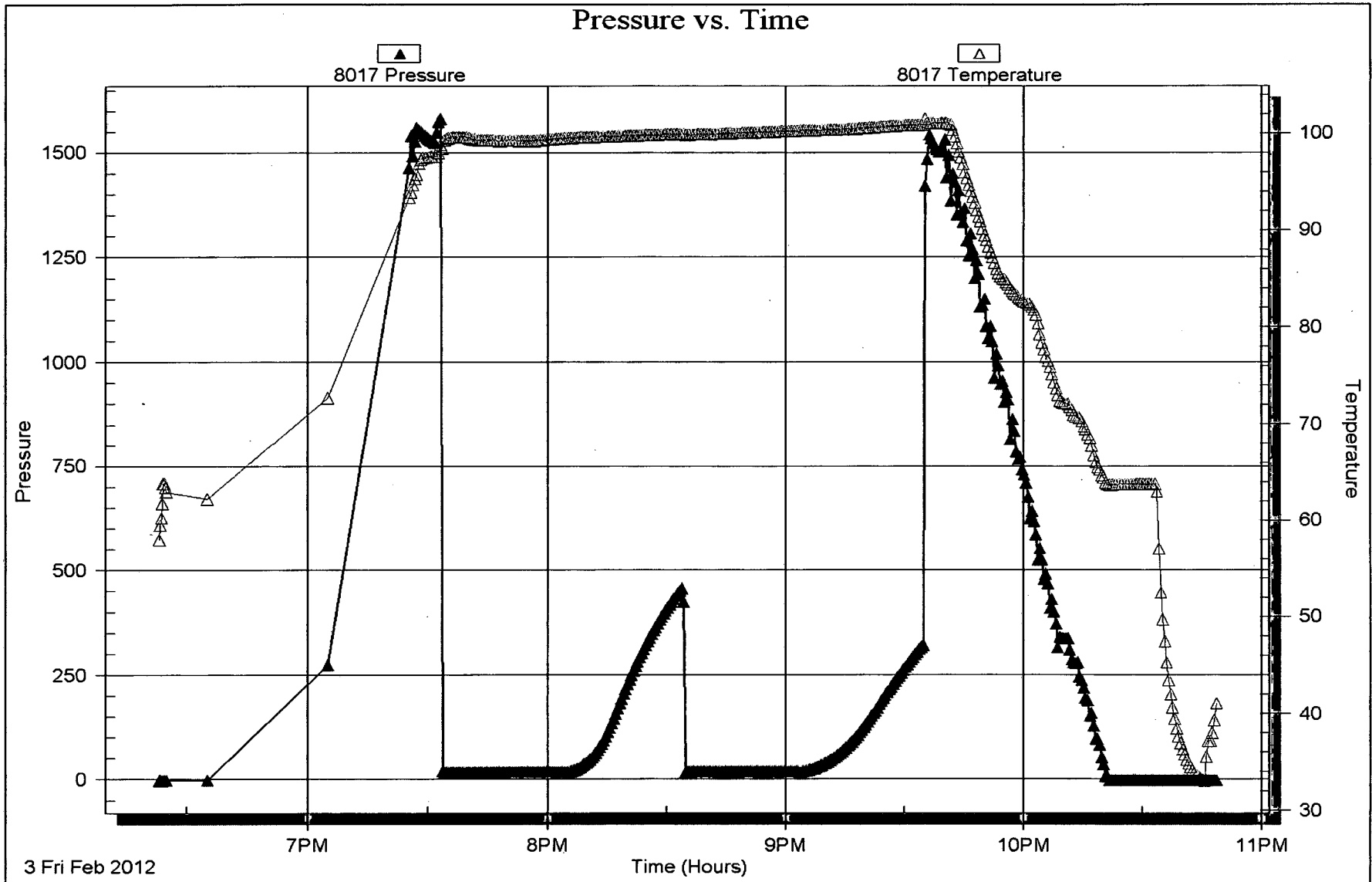
**Recovery Information**

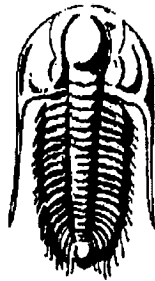
Recovery Table

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:







**TRILOBITE**  
**TESTING, INC.**

## 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"J,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

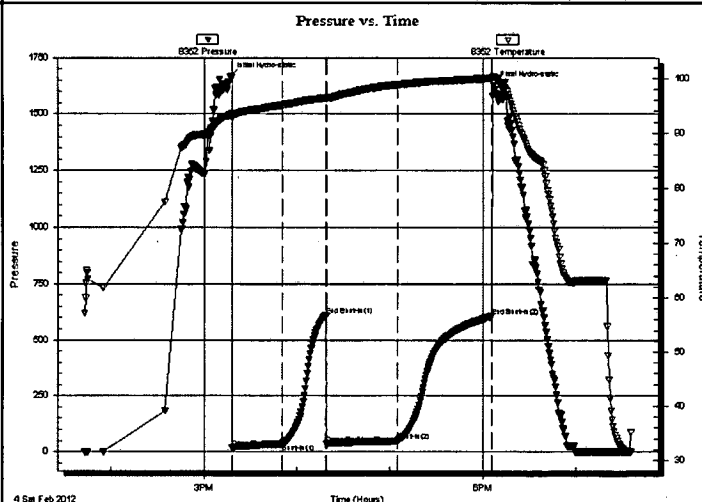
**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
Job Ticket: 45683 **DST#: 3**  
Test Start: 2012.02.04 @ 13:43:05

## GENERAL INFORMATION:

Formation: **LKC"i,j,k"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:18:30  
Time Test Ended: 19:35:39  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
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@RunDepth: 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 (Mn.)	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

**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

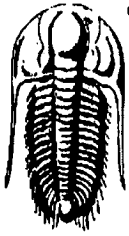
### Tool Information

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:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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

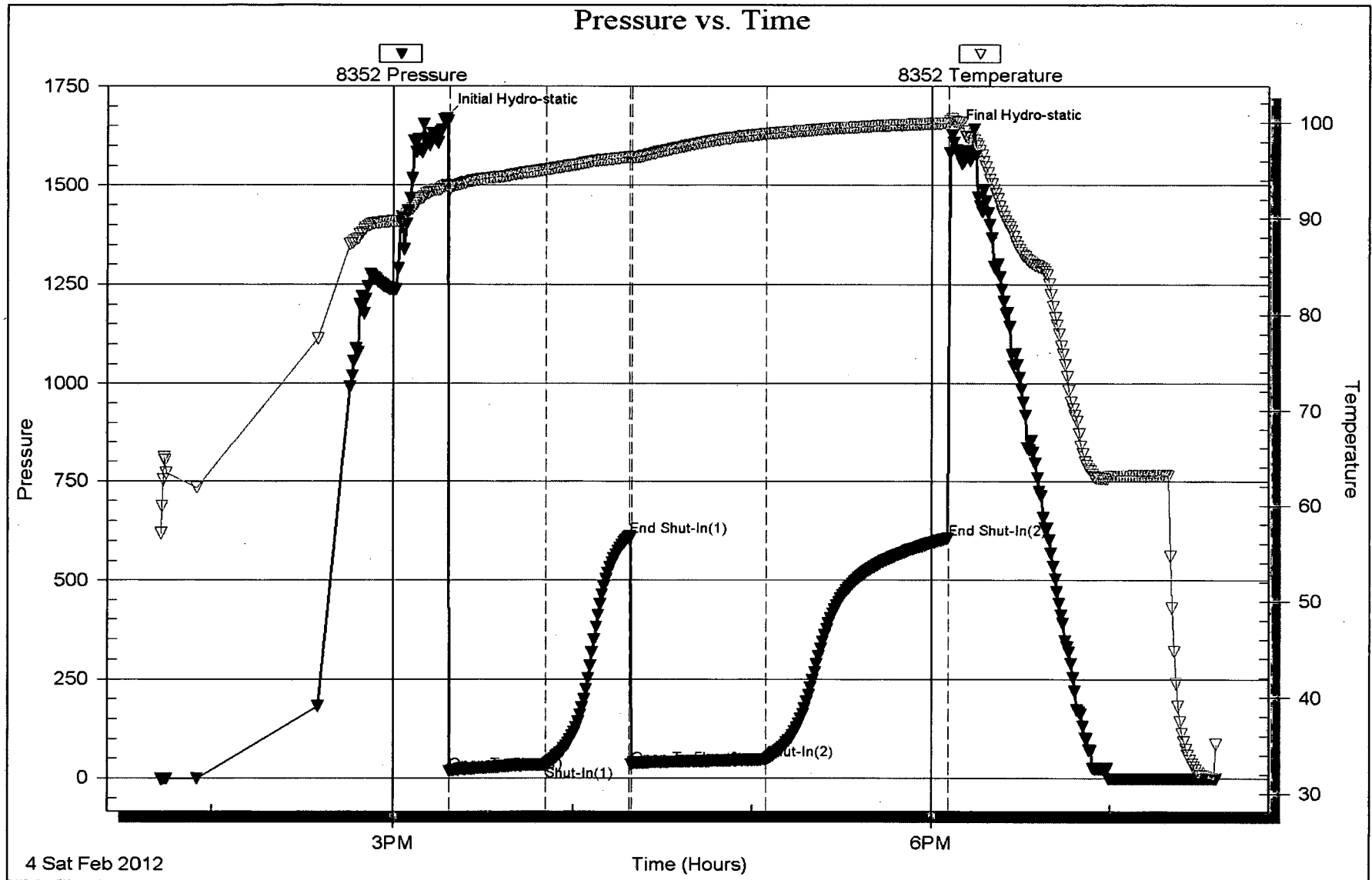
Num Gas Bombs: 0

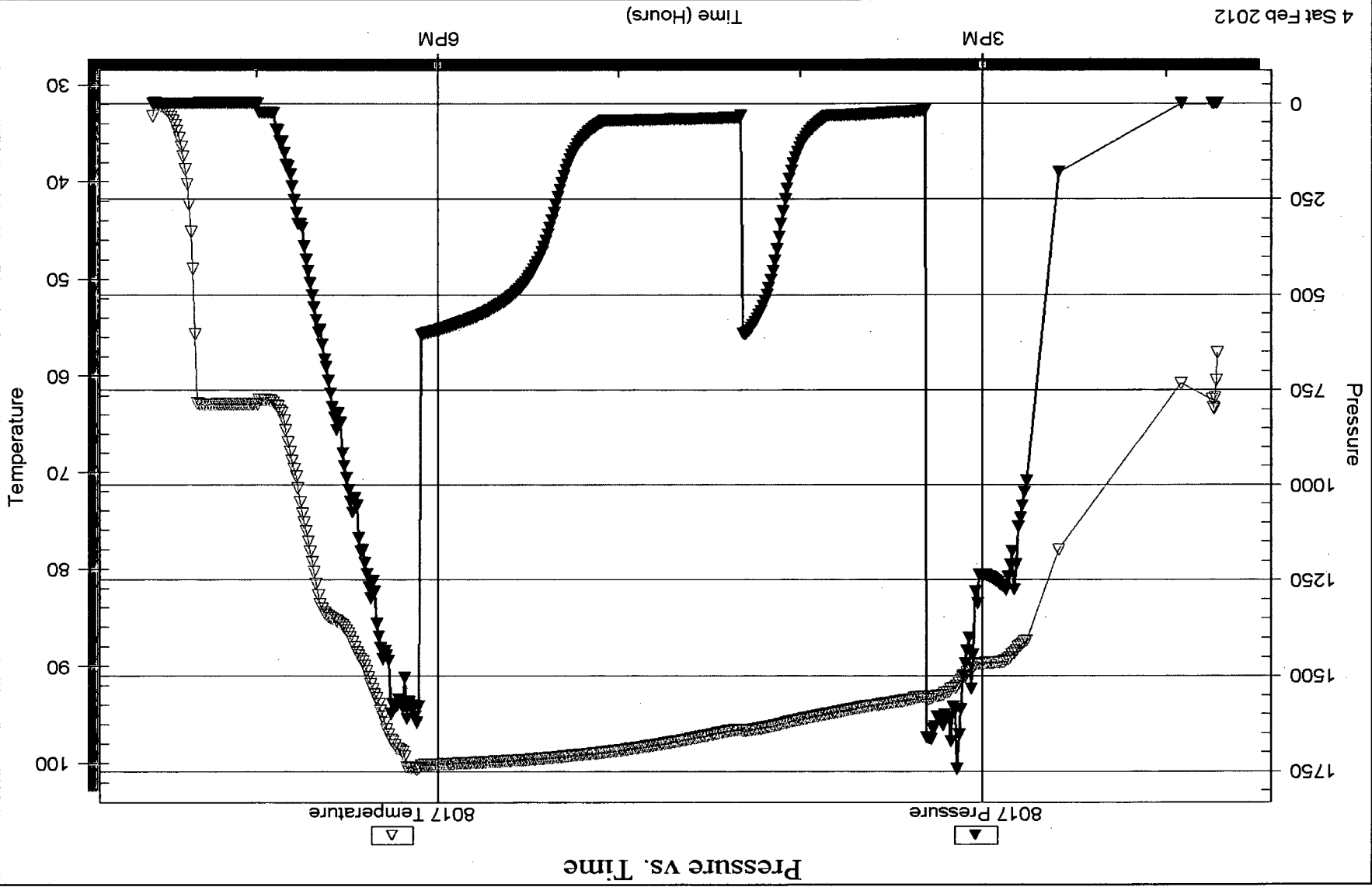
Serial #:

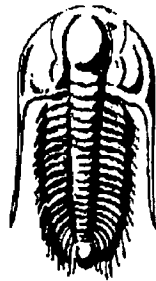
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## 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

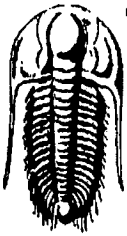
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.07 @ 12:24:51

Charter Energy Inc 9-16s-13w Barton,KS Bird/ Schneweis #2 DST # 4 Arbuckle 2012.02.05



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

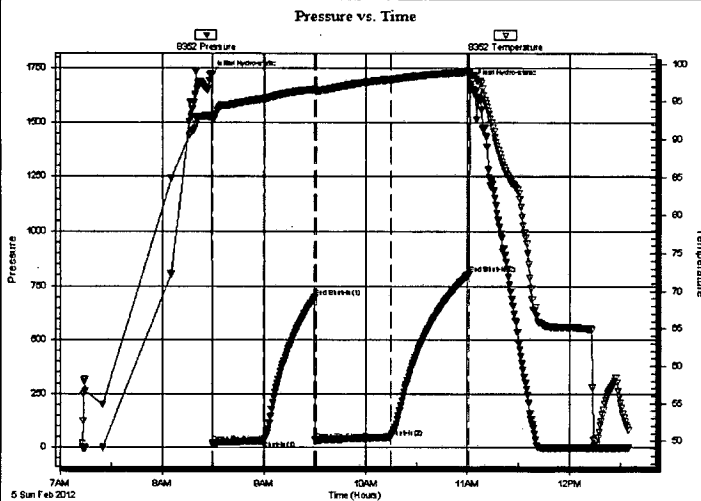
**9-16s-13w Barton,KS**  
**Bird/ Schneweis #2**  
Job Ticket: 45684      **DST#: 4**  
Test Start: 2012.02.05 @ 07:13:05

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:29:20  
Time Test Ended: 12:35:20  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
  
Interval: **3339.00 ft (KB) To 3379.00 ft (KB) (TVD)**  
Total Depth: 3379.00 ft (KB) (TVD)  
Reference Elevations: 1920.00 ft (KB)  
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

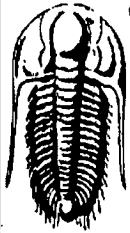
Length (ft)	Description	Volume (bbl)
60.00	GHOCM g=10% o=30% m=60%	0.84
30.00	CGO g=10% o=90%	0.42
0.00	GIP= 30ft	0.00

\* 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

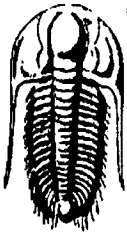
**Tool Information**

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
		Total Volume: 46.75 bbl		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:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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**

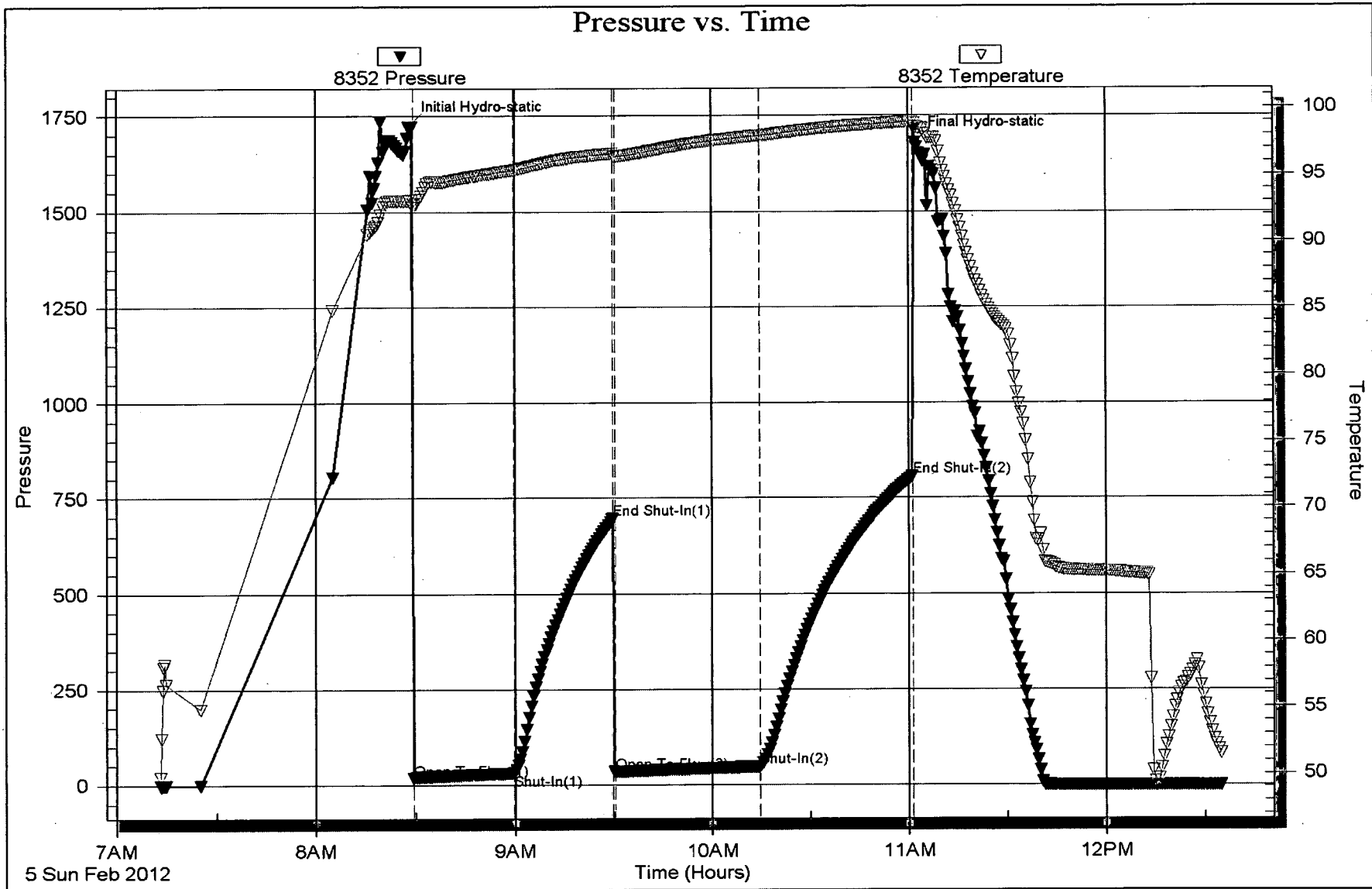
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohmm	Gas Cushion Pressure: psig		
Salinity: 9300.00 ppm			
Filter Cake: inches			

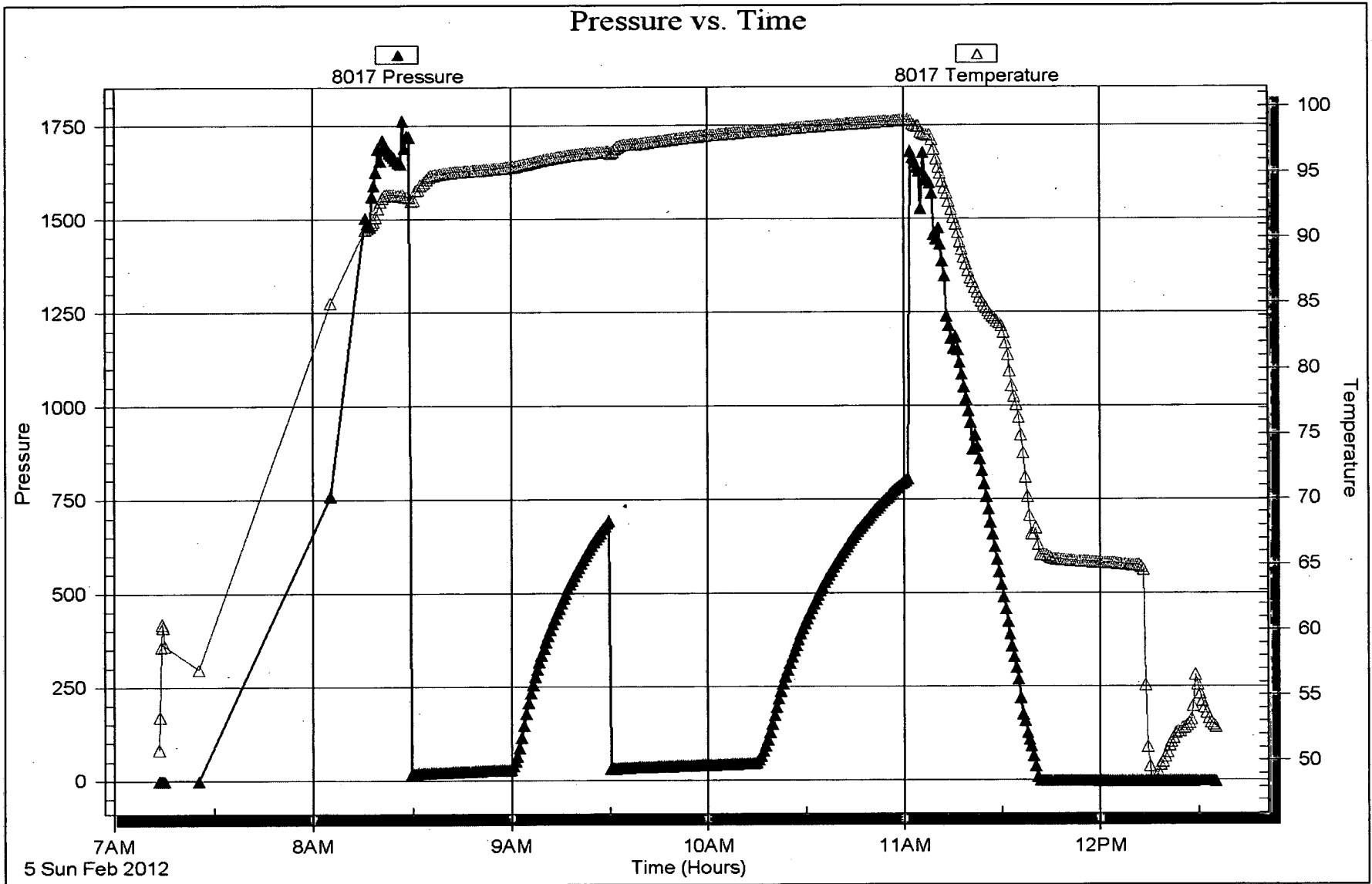
**Recovery Information**

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:







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
FEB 06 2012

## Test Ticket

NO. 45681

4/10

Well Name & No. BIRD / SCHNEWEIS BY 2 Test No. T Date 2-3-12  
 Company CHARTER ENERGY INC Elevation 1920 KB 1913 GL  
 Address PO Box 252 Bredt Bend KS 67530-0252  
 Co. Rep / Geo. Jim Muscovec 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  
IST: NO RETURN  
FP: Surface blow  
FST: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
300	Feet of Mud w/ slt oil spks				
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

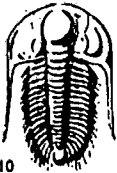
Rec Total 300' BHT 98' Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 1558  Test @ 925' T-On Location 11:05  
 (B) First Initial Flow 18  X 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 88RT 123 20 Comments Fluid leakage  
 (G) Final Shut-In —  Sampler around packer  
 (H) Final Hydrostatic 14  Straddle Shut-ins invalid  
 Ruined Shale Packer  
 Ruined Packer

Initial Open 30  Extra Packer  Extra Copies  
 Initial Shut-In 30  Extra Recorder Sub Total  
 Final Flow 30  Day Standby Total  
 Final Shut-In 45  Accessibility MP/DST Disc't  
 Sub Total 1048 20

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

## Test Ticket

NO. 45682

RECEIVED  
FEB 06 2012

Well Name & No. BIRD/SCHNEWEIS B2 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

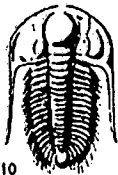
Interval Tested 3148-3204 Zone Tested LKC "CF"  
 Anchor Length 56' Drill Pipe Run 3148 Mud Wt. 9.2  
 Top Packer Depth 3143 Drill Collars Run 0 Vis 5.0  
 Bottom Packer Depth 3148 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3204 Chlorides 6500 ppm System LCM 1  
 Blow Description IF: Weak 1" decreased to surface  
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 <u>1575</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>17:29</u>
(B) First Initial Flow <u>18</u>	<input type="checkbox"/> Jars _____	T-Started <u>18:29</u>
(C) First Final Flow <u>19</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>19:35</u>
(D) Initial Shut-In <u>461</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>21:35</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:50</u>
(F) Second Final Flow <u>19</u>	<input checked="" type="checkbox"/> Mileage <u>802T 123<sup>20</sup></u>	Comments _____
(G) Final Shut-In <u>328</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1554</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1248<sup>20</sup></u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1248<sup>20</sup></u>	

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 88 10  
 Total Depth 3340 Chlorides 6500 9300 ppm System LCM 1

Blow Description IF: Slow building blow 6" in 10min. BOB 23min  
ISI: 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
- (B) First Initial Flow 17
- (C) First Final Flow 33
- (D) Initial Shut-In 611
- (E) Second Initial Flow 33
- (F) Second Final Flow 47
- (G) Final Shut-In 606
- (H) Final Hydrostatic 1626

- Test 1125
- Jars \_\_\_\_\_
- Safety Joint \_\_\_\_\_
- Circ. Sub \_\_\_\_\_
- Hourly Standby \_\_\_\_\_
- Mileage 880E 123 20
- Sampler \_\_\_\_\_
- Straddle \_\_\_\_\_
- Shale Packer \_\_\_\_\_
- Extra Packer \_\_\_\_\_
- Extra Recorder \_\_\_\_\_
- Day Standby \_\_\_\_\_
- Accessibility \_\_\_\_\_
- Sub Total 1248 20

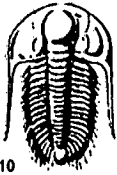
- T-On Location 12:59
- T-Started 13:43
- T-Open 15:20
- T-Pulled 18:05
- T-Out 19:35

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 45  
 Final Shut-In 60

Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1248 20  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Andy Carr

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# TRILOBITE TESTING INC.

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## RECEIVED

FEB 06 2012

## Test Ticket

NO. 45684

4/10

BY:

Well Name & No. BIRD/SCHNEWEIS Test No. 4 Date 2-5-12  
 Company Choctaw 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
30	CB0	10	90		
60	BHOCM	10	30		60
30	GIP				

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 88AT 123<sup>20</sup> Comments   
 (G) Final Shut-In 806  Sampler   
 (H) Final Hydrostatic 1678  Straddle   Ruined Shale Packer   
 Shale Packer   Ruined Packer

Initial Open 30  Extra Packer   Extra Copies   
 Initial Shut-In 30  Extra Recorder  Sub Total 0  
 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 [Signature]

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