



KANSAS CORPORATION COMMISSION 1125905
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 # _____

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

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: _____



1125905

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 Bbbs.	Gas Mcf	Water Bbbs.	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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 039

Date	10-31-12	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Leiker unit	Well No.	1	Location	Victoria 75 to Chetoma Cold R			3:30 PM
Contractor	Royal Drilg Rvgr	Owner	3 W Sinto	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Type Job	Long Surface	Charge To	Charter Energy					
Hole Size	12 1/4	T.D.	1107					
Csg.	8 5/8	Depth	1106					
Tbg. Size		Depth						
Tool		Depth						
Cement Left in Csg.	43'	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line		Displace	67 3/4	Cement Amount Ordered 425 Com 3 + 2				

EQUIPMENT

Pumptrk	5	No.	Cementor Helper	Brett
Bulktrk	4	No.	Driver	Heath
Bulktrk	pv	No.	Driver	Dave

Common	425
Poz. Mix	
Gel.	8
Calcium	15

JOB SERVICES & REMARKS

Remarks:	
Rat Hole	Leiker - Unit #1
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	

Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	438
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	1 8" Rubber plug 1 Baffle plate

Pumptrk Charge	Long Surface
Mileage	16

Thanks

Cement
Cin

X Signature Doug Budas

Tax	
Discount	
Total Charge	



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

TICKET N^o **22915**
 PAGE 1 OF 2

WELL/PROJECT NO. **1** CONTRACTOR **Royal Drilling** COUNTY/PARISH **Ellis** STATE **KS** CITY **Leiker Unit** DATE **11-6-12** OWNER
 TICKET TYPE SERVICE SALES WELL TYPE **Oil** RIG NAME/NO. **Develop** DELIVERED TO **Location** ORDER NO.
 WELL LOCATION **Sec 22, Twp 15S, R 17W** WELL PERMIT NO.

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1			15	mi			6.00	90.00
578		1		MILEAGE # 112	1500	ea	1	ea	15.00	1500.00
221		1		Pump Charge Long String	2	gal			25.00	50.00
281		1		Liquid Kel	500	gal			1.25	625.00
402		1		Mud Flush	6	lea		5 1/2	70.00	420.00
403		1		Centralizer	1	lea			250.00	250.00
404		1		Cement Basket	1	lea			2400.00	
406		1		Port Colter Deep Surface	1	lea			250.00	250.00
407		1		Latch Down Plug + Baffle	1	lea			350.00	350.00
290		1		Insert Float Shoe w/Auto Kill D-Air	2	gal			35.00	70.00

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 **11-6-12** TIME SIGNED **1:30** P.M.

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

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED THE JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL
 P1 3605.00
 P2 4388.50
 Subtotal 7993.50
 Ellis TAX 6.3% 358.31
 TOTAL 8351.81

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: *[Signature]*
 SWIFT OPERATOR: *[Signature]*

Thank You!



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

TICKET CONTINUATION

TICKET No. 22915

DATE 11-6-12 PAGE 2 OF 2

CUSTOMER Charter Energy
 WELL Leiker Unit #1

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY.		U/M	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT			DF	QTY.						
325		2			Standard Cement EA-2	175	SKS					13.50	2362.50
276		2			flocele	50	lbs					2.00	100.00
283		2			salt	900	lbs					2.00	180.00
284		2			Calsal	8	SKS					35.00	280.00
286		2			Halad-1	100	lbs					7.50	750.00
581													
583													
					SERVICE CHARGE								
					MILEAGE CHARGE	18300							
					TOTAL WEIGHT	40							
					LOADED MILES	366.							
					CUBIC FEET	175						2.00	350.00
					TON MILES	366.						1.00	366.00

CONTINUATION TOTAL

4388.50

JOB LOG

SWIFT Services, Inc.

DATE 11-6-12 PAGE NO.

CUSTOMER *Charter Energy* WELL NO. *1* LEASE *Leiker Unit* JOB TYPE *5 1/2 long string* TICKET NO. *22915*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							on location TD 3546 SJ 20.86 TP 3533 PL Deep Surface Inset 3512 5 1/2 x 14" Cent. 1, 3, 5, 7, 9, 11 Basket #9 Start 5 1/2 casing
	1425							Drop Ball circulate rotate
	1455		7/4					Plug RH 30sk M H 15sk
	1510		12		✓		300	Start Mud flush
			20		✓		300	Start KCL flush
	1520	5	32		✓		300	Start Cement 130 sks EA2 Drop Plug
	1530							Wash out Pump + Lines
	1535	7						Displace Plug
	1550		85.6		✓		1500	land Plug iteld Release PSI Dried up Wash up + Rack up Job Complete Thank You Josh, Roger, Jun,



DRILL STEM TEST REPORT

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

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

Leiker Unit #1

22-15s-17w Ellis,KS

Start Date: 2012.11.03 @ 16:55:30

End Date: 2012.11.03 @ 23:02:30

Job Ticket #: 48609 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.15 @ 15:31:26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

22-15s-17w Ellis, KS
Leiker Unit #1
 Job Ticket: 48609 **DST#: 1**
 Test Start: 2012.11.03 @ 16:55:30

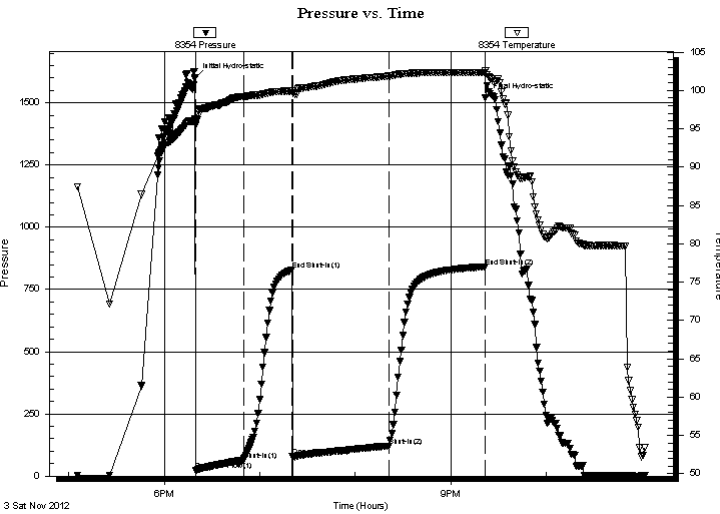
GENERAL INFORMATION:

Formation: **LKC "B-E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:19:40
 Time Test Ended: 23:02:30
 Interval: **3382.00 ft (KB) To 3352.00 ft (KB) (TVD)**
 Total Depth: 3352.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 1979.00 ft (KB)
 1974.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8354 Inside

Press @ Run Depth: 121.04 psig @ 3321.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.03 End Date: 2012.11.03 Last Calib.: 2012.11.03
 Start Time: 17:05:30 End Time: 23:02:30 Time On Btm: 2012.11.03 @ 18:19:30
 Time Off Btm: 2012.11.03 @ 21:22:00

TEST COMMENT: IF-Strong building blow . BOB in 8 minutes 30 seconds.
 IS-No Return.
 FF-Strong building blow . BOB in 4 minutes.
 FS-Return @ 45 seconds. BOB @ 51 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.83	96.24	Initial Hydro-static
1	22.11	95.44	Open To Flow (1)
31	63.97	99.17	Shut-In(1)
61	828.09	99.91	End Shut-In(1)
61	78.06	99.68	Open To Flow (2)
122	121.04	101.85	Shut-In(2)
182	841.30	102.27	End Shut-In(2)
183	1521.96	102.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	30%Gas/15%Oil/55%Mud	1.74
141.00	20%Gas/10%Oil/5%Water/65%Mud	1.98
0.00	975' G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

22-15s-17w Ellis,KS

Leiker Unit #1

Job Ticket: 48609

DST#: 1

Test Start: 2012.11.03 @ 16:55:30

GENERAL INFORMATION:

Formation: **LKC "B-E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:19:40

Time Test Ended: 23:02:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3382.00 ft (KB) To 3352.00 ft (KB) (TVD)

Total Depth: 3352.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1979.00 ft (KB)

1974.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: psig @ 3321.00 ft (KB)

Start Date: 2012.11.03 End Date: 2012.11.03

Start Time: 17:05:45 End Time: 23:02:15

Capacity: 8000.00 psig

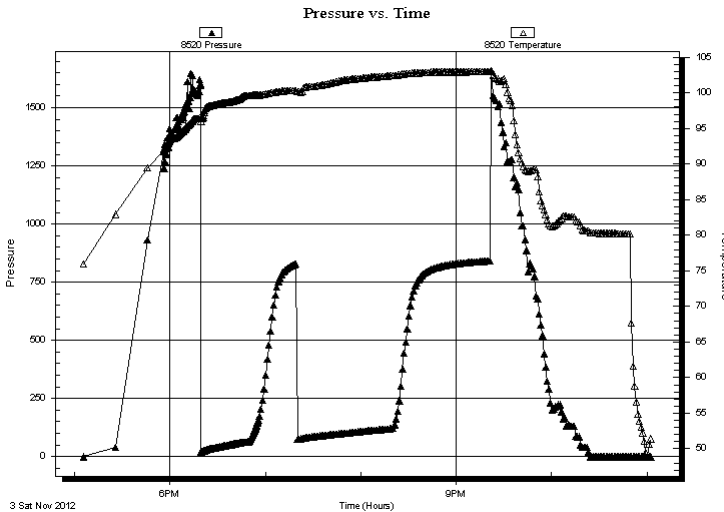
Last Calib.: 2012.11.03

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB in 8 minutes 30 seconds.
 ISI-No Return.
 FF-Strong building blow . BOB in 4 minutes.
 FSI-Return @ 45 seconds. BOB @ 51 minutes.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	30% Gas/15% Oil/55% Mud	1.74
141.00	20% Gas/10% Oil/5% Water/65% Mud	1.98
0.00	975' G.I.P.	0.00

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
ATTN: Jim Musgrove

22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48609 **DST#: 1**
Test Start: 2012.11.03 @ 16:55:30

Tool Information

Drill Pipe:	Length: 3270.00 ft	Diameter: 3.80 inches	Volume: 45.87 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:	5000.00 lb
			<u>Total Volume: 45.87 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3282.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	90.00 ft				
Number of Packers:	2	Diameter: 6.76 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3263.00	
Shut In Tool	5.00			3268.00	
Hydraulic tool	5.00			3273.00	
Packer	5.00			3278.00	20.00 Bottom Of Top Packer
Packer	4.00			3282.00	
Stubb	1.00			3283.00	
Perforations	5.00			3288.00	
Change Over Sub	1.00			3289.00	
Drill Pipe	31.00			3320.00	
Change Over Sub	1.00			3321.00	
Recorder	0.00	8354	Inside	3321.00	
Recorder	0.00	8520	Outside	3321.00	
Perforations	28.00			3349.00	
Bullnose	3.00			3352.00	70.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48609 **DST#: 1**
Test Start: 2012.11.03 @ 16:55:30

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	30%Gas/15%Oil/55%Mud	1.739
141.00	20%Gas/10%Oil/5%Water/65%Mud	1.978
0.00	975' G.I.P.	0.000

Total Length: 265.00 ft Total Volume: 3.717 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

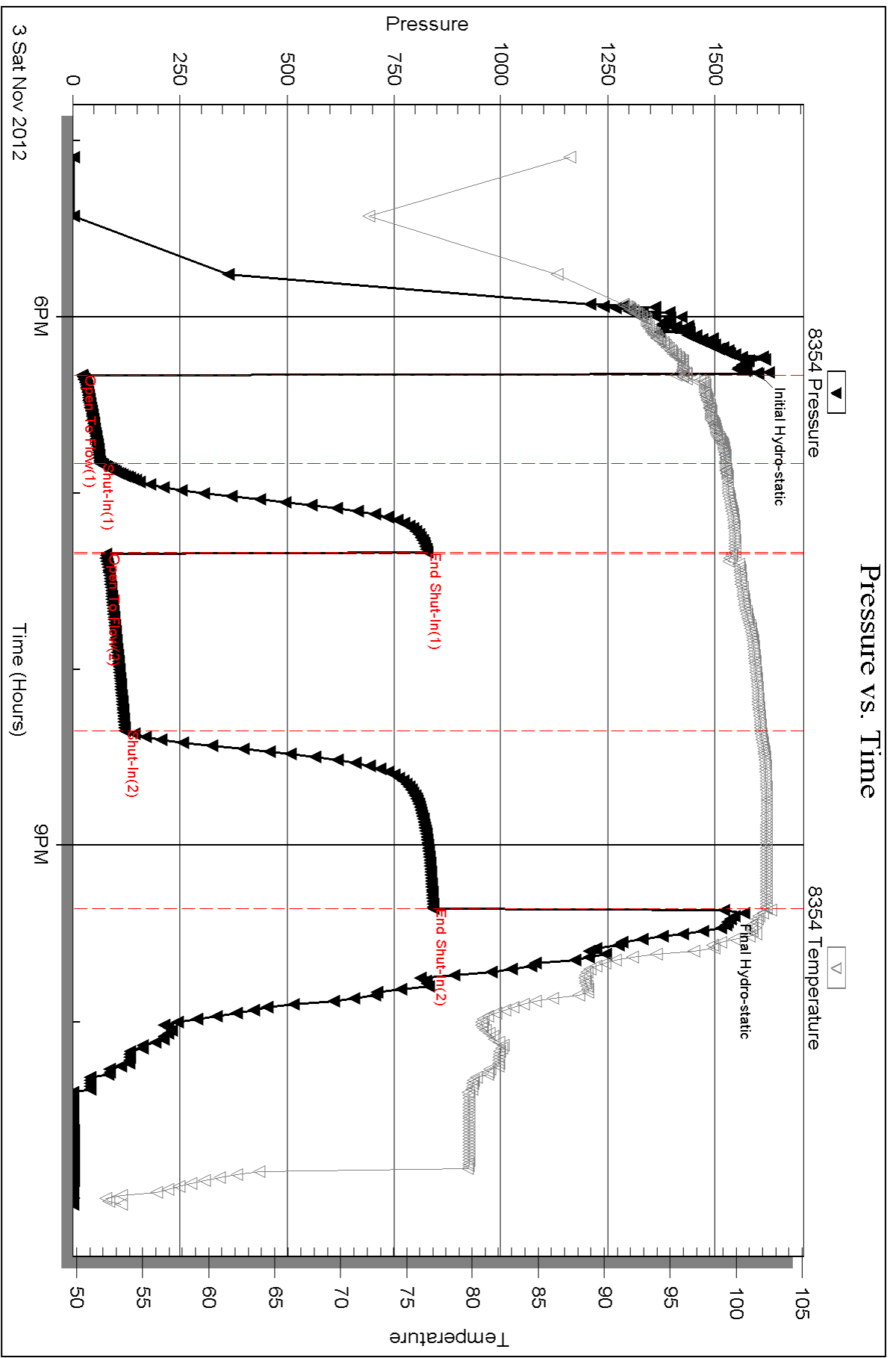
Serial #: 8354

Inside

Charter Energy, Inc.

Leiker Unit #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 48609

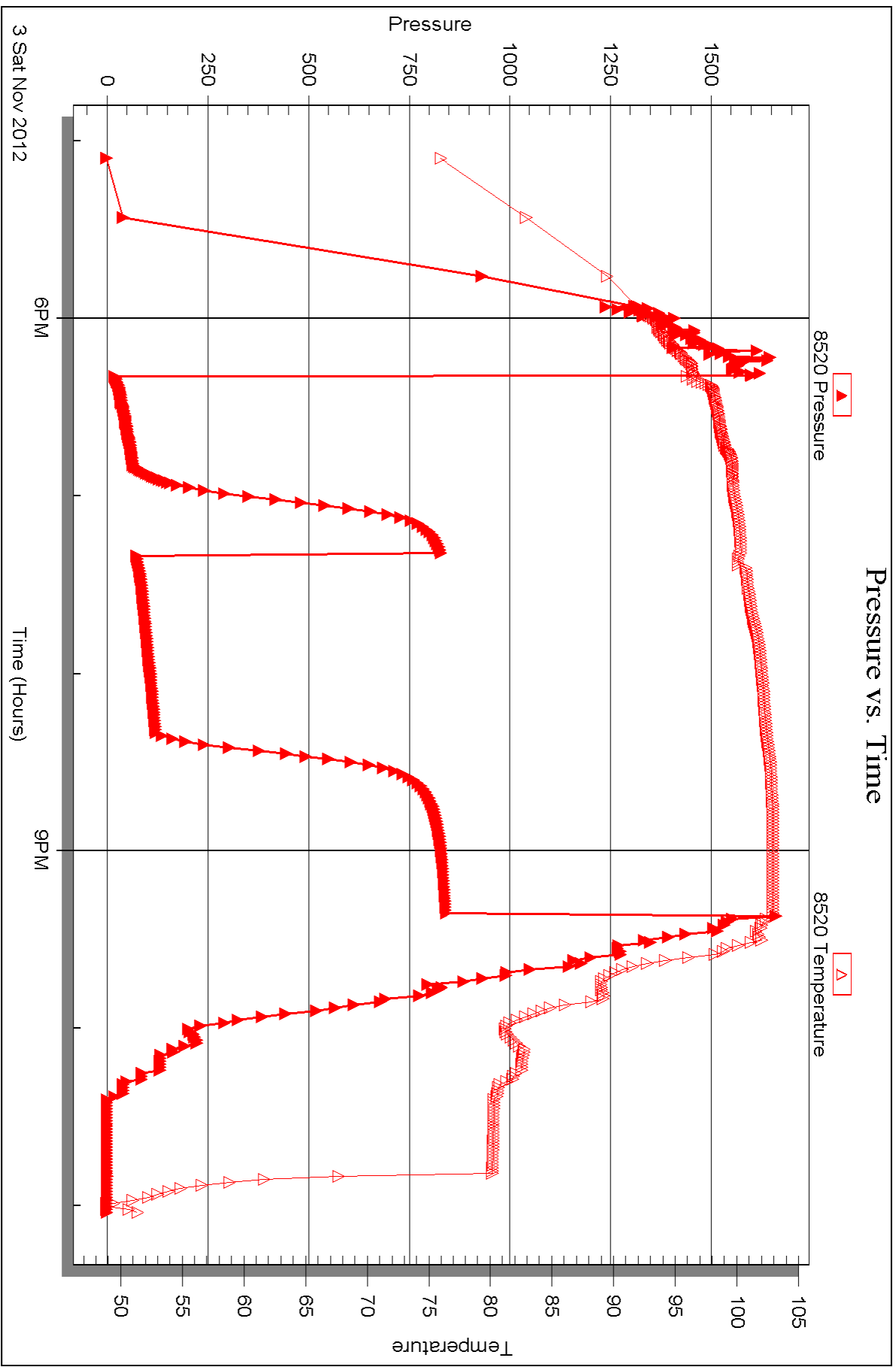
Printed: 2012.11.15 @ 15:31:31

Serial #: 8520

Outside Charter Energy, Inc.

Leiker Unit #1

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

Leiker Unit #1

22-15s-17w Ellis,KS

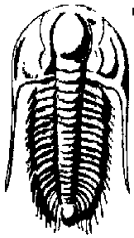
Start Date: 2012.11.04 @ 13:09:30

End Date: 2012.11.04 @ 23:09:30

Job Ticket #: 48610 DST #: 2

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

Printed: 2012.11.15 @ 15:29:20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

22-15s-17w Ellis, KS

Leiker Unit #1

Job Ticket: 48610

DST#: 2

Test Start: 2012.11.04 @ 13:09:30

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 23:09:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3420.00 ft (KB) To 3486.00 ft (KB) (TVD)

Total Depth: 3486.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1979.00 ft (KB)

1974.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8354

Press @ Run Depth: psig @ ft (KB)

Start Date: 2012.11.04 End Date: 2012.11.04

Start Time: 13:19:30 End Time: 23:09:30

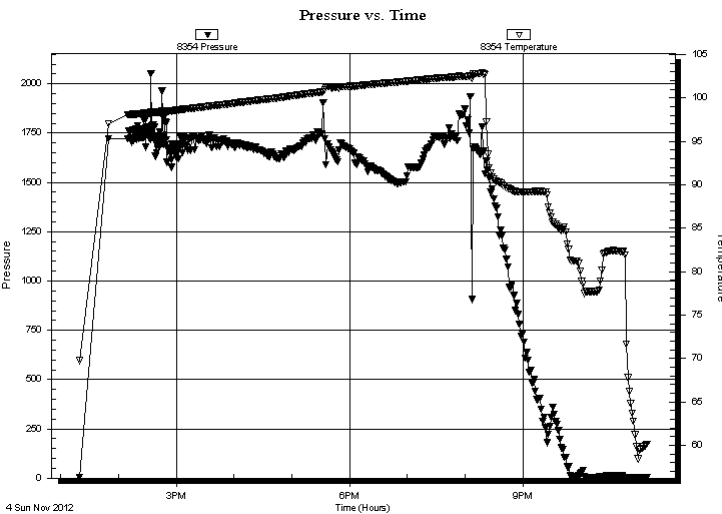
Capacity: 8000.00 psig

Last Calib.: 2012.11.04

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Lost Tool. Fished Tool Out.



PRESSURE SUMMARY

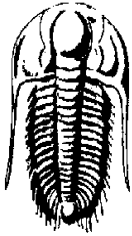
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

22-15s-17w Ellis, KS
Leiker Unit #1
 Job Ticket: 48610 **DST#: 2**
 Test Start: 2012.11.04 @ 13:09:30

GENERAL INFORMATION:

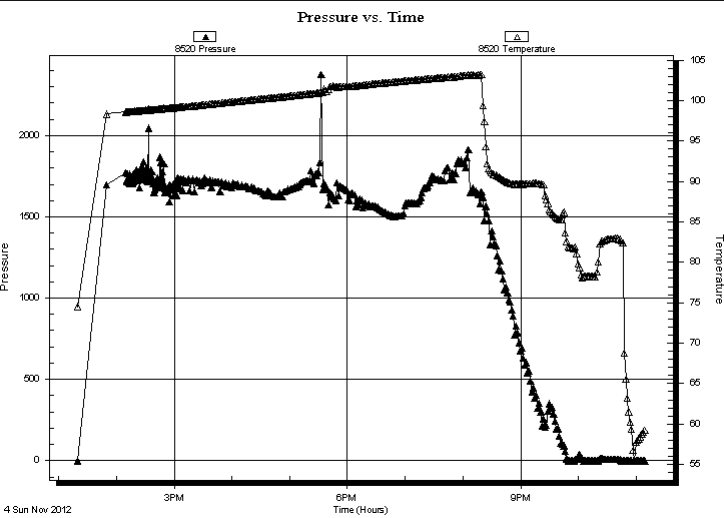
Formation:

Deviated:	No	Whipstock:		ft (KB)	Test Type:	Conventional Bottom Hole (Initial)
Time Tool Opened:					Tester:	Dustin Rash
Time Test Ended:	23:09:30				Unit No:	38
Interval:	3420.00 ft (KB) To	3486.00 ft (KB) (TVD)			Reference Elevations:	1979.00 ft (KB)
Total Depth:	3486.00 ft (KB) (TVD)					1974.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Good		KB to GR/CF:	5.00 ft

Serial #: 8520

Press @ Run Depth:		psig @		ft (KB)	Capacity:	8000.00 psig
Start Date:	2012.11.04	End Date:	2012.11.04	Last Calib.:	2012.11.04	
Start Time:	13:19:45	End Time:	23:08:45	Time On Btm:		
				Time Off Btm:		

TEST COMMENT: IF-Lost Tool. Fished Tool Out.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

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
ATTN: Jim Musgrove

22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48610 **DST#: 2**
Test Start: 2012.11.04 @ 13:09:30

Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Tool Weight:	lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	lb
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight to Pull Loose:	lb
					<u>Total Volume:</u>	- bbl	Tool Chased	ft
Drill Pipe Above KB:		ft					String Weight: Initial	lb
Depth to Top Packer:		ft					Final	lb
Depth to Bottom Packer:		ft						
Interval between Packers:	0.00	ft						
Tool Length:		ft						
Number of Packers:	2		Diameter:	6.75 inches				
Tool Comments:								

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

	0.00			0.00	0.00
--	------	--	--	------	------

Total Tool Length:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48610 **DST#: 2**
Test Start: 2012.11.04 @ 13:09:30

Mud and Cushion Information

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

Recovery Information

Recovery Table

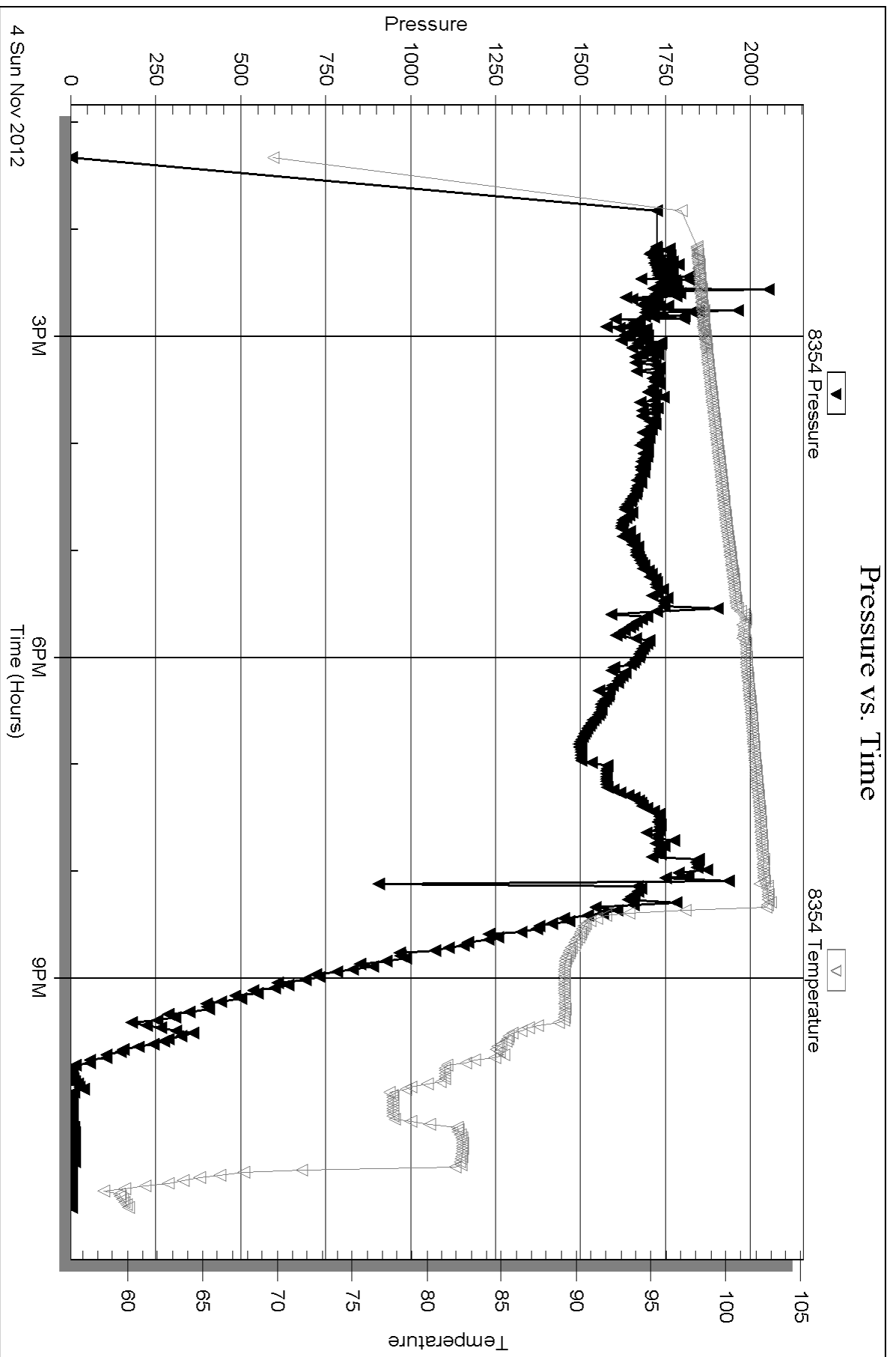
Length ft	Description	Volume bbbl

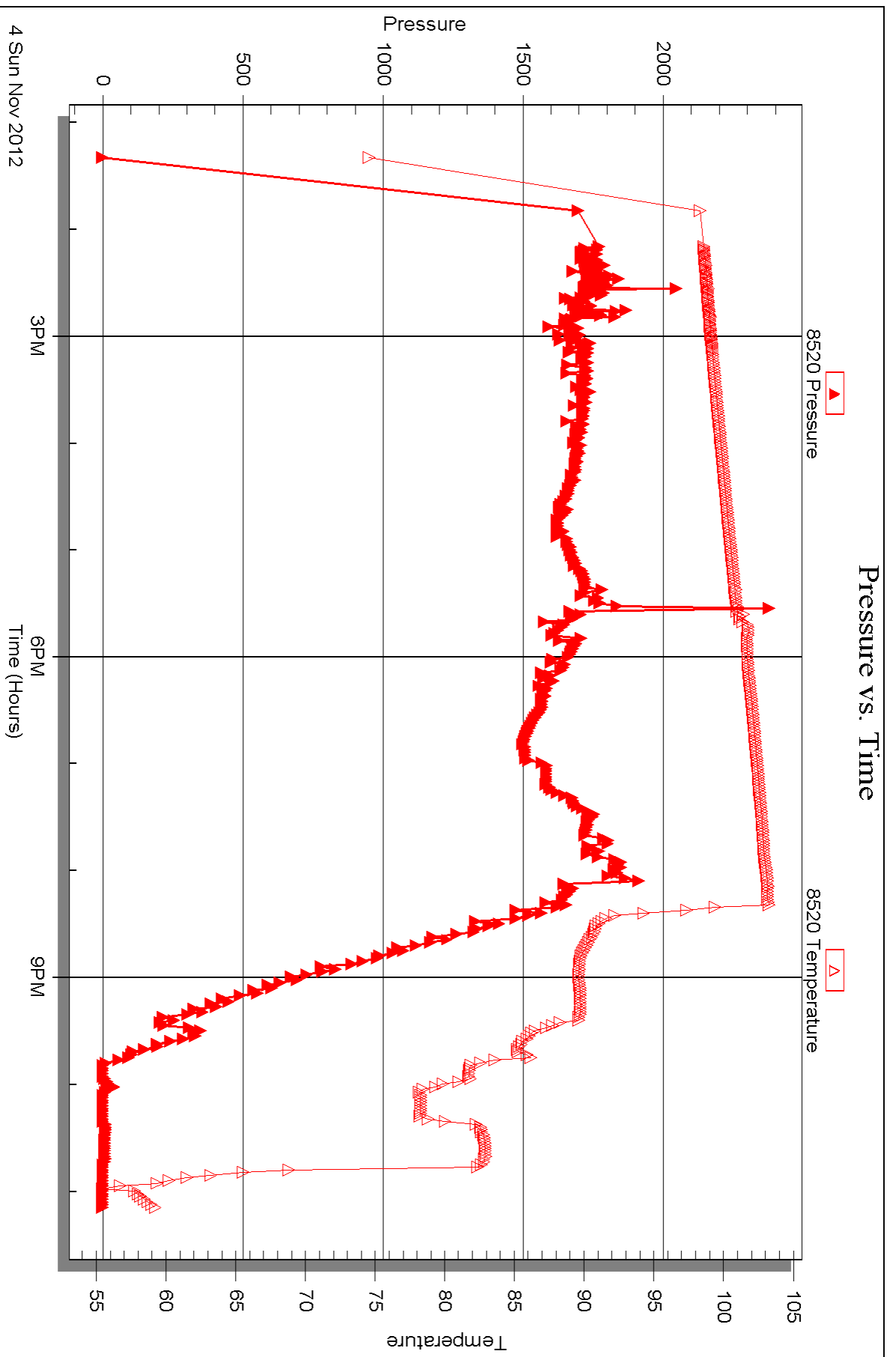
Total Length: ft Total Volume: bbl

Num Fluid Samples: Num Gas Bombs: Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

Leiker Unit #1

22-15s-17w Ellis,KS

Start Date: 2012.11.05 @ 02:57:30

End Date: 2012.11.05 @ 07:33:30

Job Ticket #: 48611 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.15 @ 15:27:11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

22-15s-17w Ellis, KS
Leiker Unit #1
 Job Ticket: 48611 **DST#: 3**
 Test Start: 2012.11.05 @ 02:57:30

GENERAL INFORMATION:

Formation: **LKC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:02:00
 Tester: Dustin Rash
 Time Test Ended: 07:33:30
 Unit No: 38
 Interval: **3420.00 ft (KB) To 3486.00 ft (KB) (TVD)**
 Reference Elevations: 1979.00 ft (KB)
 Total Depth: 3486.00 ft (KB) (TVD)
 1974.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 5.00 ft

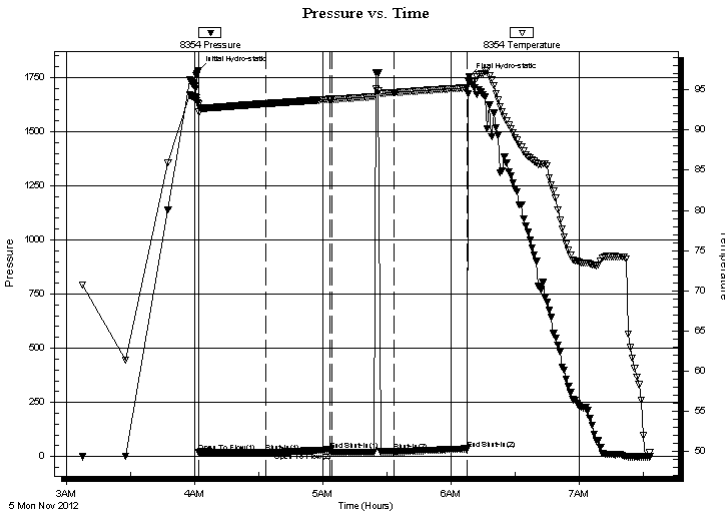
Serial #: 8354

Inside

Press @ RunDepth: 22.14 psig @ 3460.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.05 End Date: 2012.11.05 Last Calib.: 2012.11.05
 Start Time: 03:07:30 End Time: 07:33:30 Time On Btm: 2012.11.05 @ 04:01:50
 Time Off Btm: 2012.11.05 @ 06:08:30

TEST COMMENT: IF-Weak surface blow throughout.
 IS-No Return.
 FF-Weak surface blow . Died @ 13 minutes. Flushed. Died.
 FS-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.10	93.17	Initial Hydro-static
1	20.35	92.22	Open To Flow (1)
32	20.30	93.28	Shut-In(1)
62	31.10	93.83	End Shut-In(1)
63	19.51	93.82	Open To Flow (2)
92	22.14	94.67	Shut-In(2)
126	35.91	95.26	End Shut-In(2)
127	1751.92	96.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	100%Mud	0.06

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

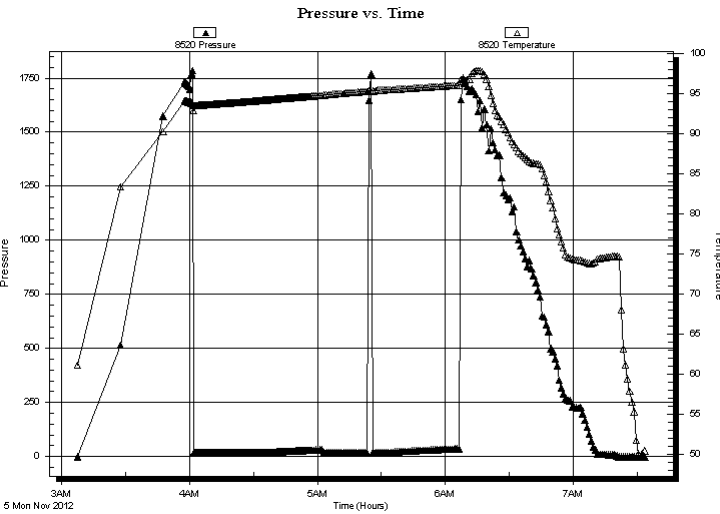
22-15s-17w Ellis, KS
Leiker Unit #1
 Job Ticket: 48611 **DST#: 3**
 Test Start: 2012.11.05 @ 02:57:30

GENERAL INFORMATION:

Formation: **LKC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:02:00 Tester: Dustin Rash
 Time Test Ended: 07:33:30 Unit No: 38
 Interval: **3420.00 ft (KB) To 3486.00 ft (KB) (TVD)** Reference Elevations: 1979.00 ft (KB)
 Total Depth: 3486.00 ft (KB) (TVD) 1974.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8520 Outside
 Press @ Run Depth: psig @ 3460.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.05 End Date: 2012.11.05 Last Calib.: 2012.11.05
 Start Time: 03:07:45 End Time: 07:33:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-Weak surface blow throughout.
 IS-No Return.
 FF-Weak surface blow . Died @ 13 minutes. Flushed. Died.
 FS-No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
4.00	100%Mud	0.06

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
ATTN: Jim Musgrove

22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48611 **DST#: 3**
Test Start: 2012.11.05 @ 02:57:30

Tool Information

Drill Pipe:	Length: 3428.00 ft	Diameter: 3.80 inches	Volume: 48.09 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:	5000.00 lb
			<u>Total Volume: 48.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3420.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.00 ft				
Tool Length:	86.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3401.00	
Shut In Tool	5.00			3406.00	
Hydraulic tool	5.00			3411.00	
Packer	5.00			3416.00	20.00 Bottom Of Top Packer
Packer	4.00			3420.00	
Stubb	1.00			3421.00	
Perforations	5.00			3426.00	
Change Over Sub	1.00			3427.00	
Drill Pipe	32.00			3459.00	
Change Over Sub	1.00			3460.00	
Recorder	0.00	8354	Inside	3460.00	
Recorder	0.00	8520	Outside	3460.00	
Perforations	23.00			3483.00	
Bullnose	3.00			3486.00	66.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48611 **DST#: 3**
Test Start: 2012.11.05 @ 02:57:30

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	100%Mud	0.056

Total Length: 4.00 ft Total Volume: 0.056 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8354

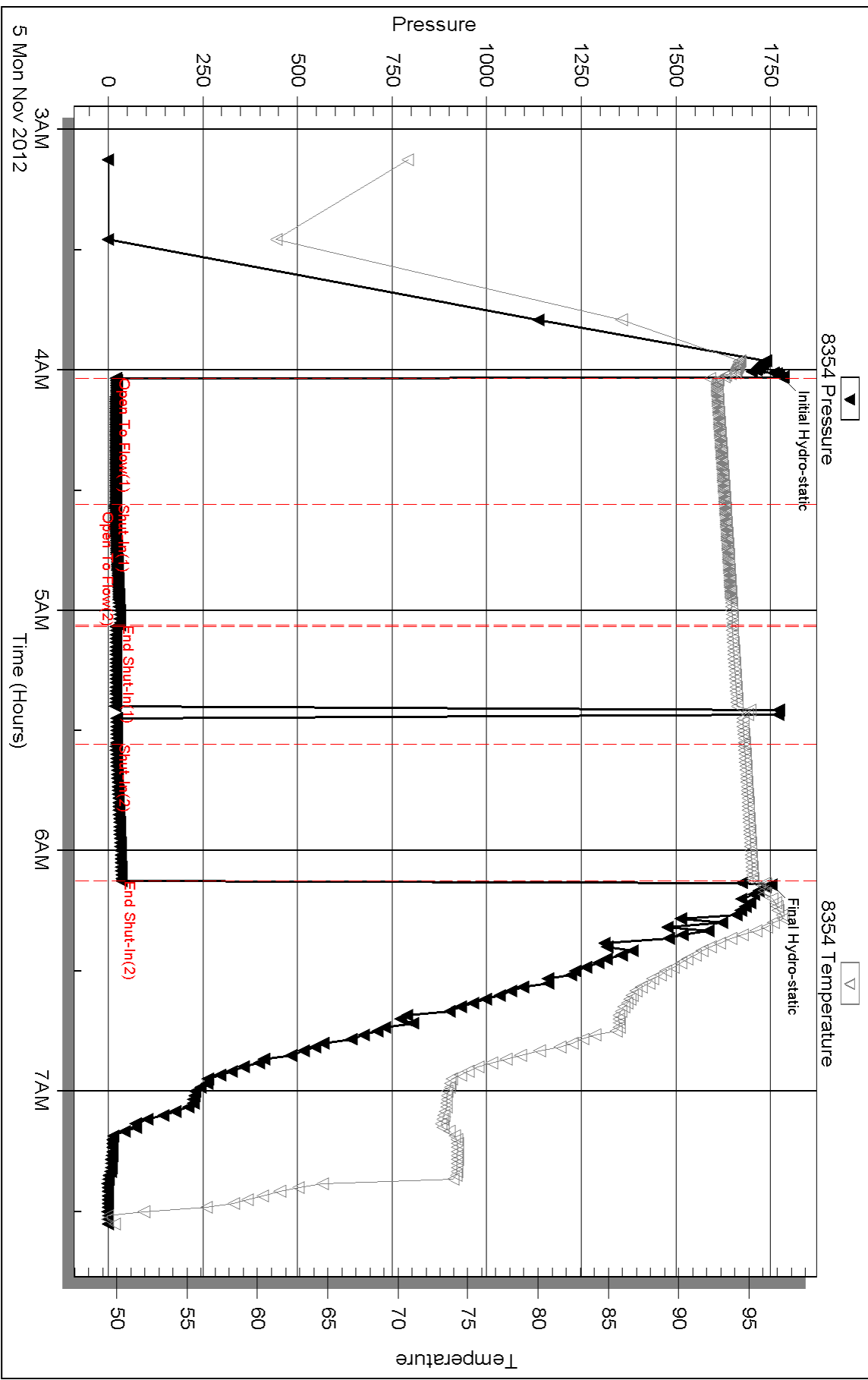
Inside

Charter Energy, Inc.

Leiker Unit #1

DST Test Number: 3

Pressure vs. Time

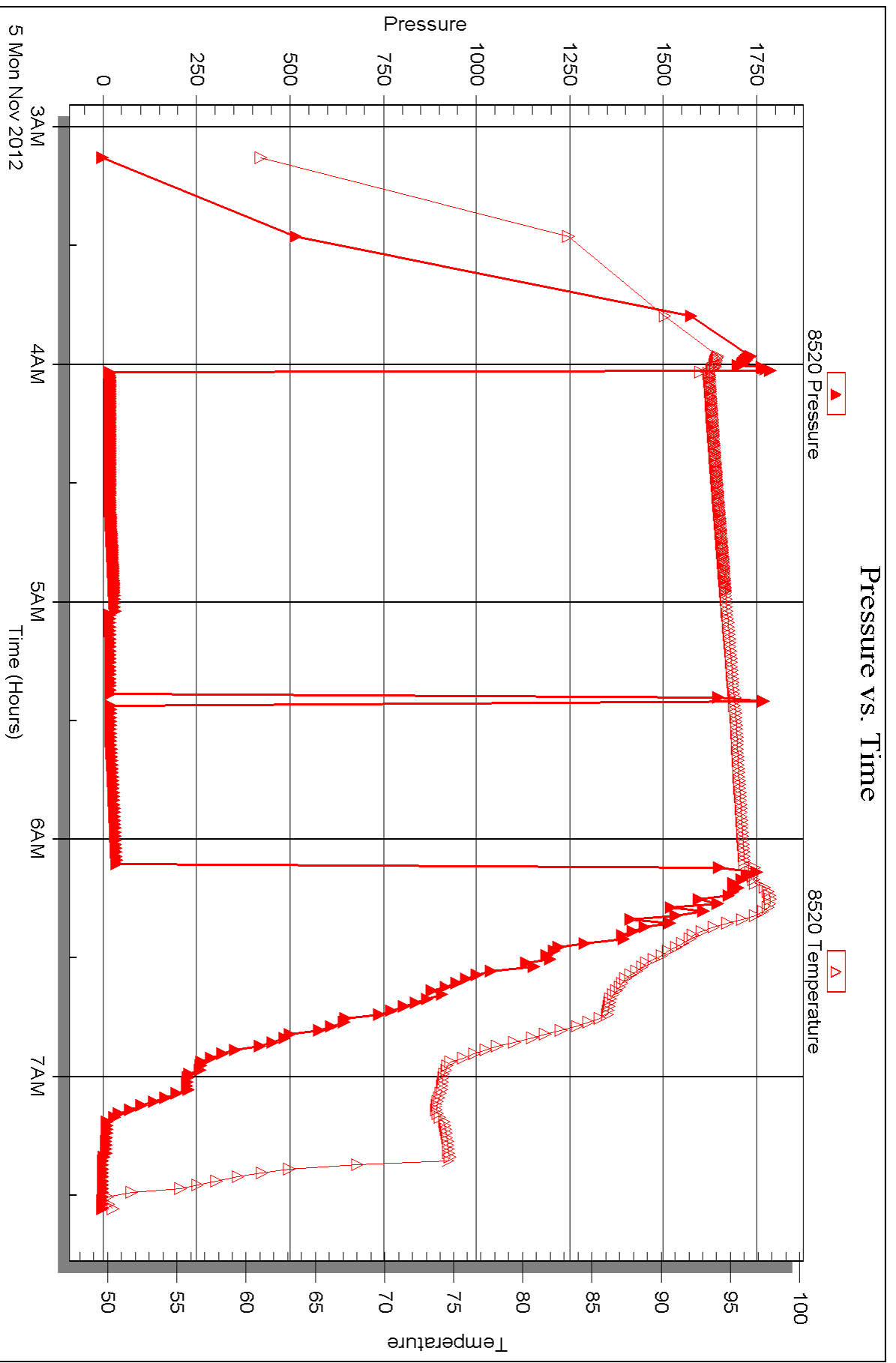


Serial #: 8520

Outside Charter Energy, Inc.

Leiker Unit #1

DST Test Number: 3





DRILL STEM TEST REPORT

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

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

Leiker Unit #1

22-15s-17w Ellis,KS

Start Date: 2012.11.05 @ 15:41:15

End Date: 2012.11.05 @ 22:21:15

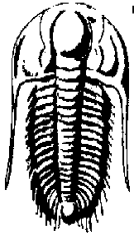
Job Ticket #: 48612 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.15 @ 15:25:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

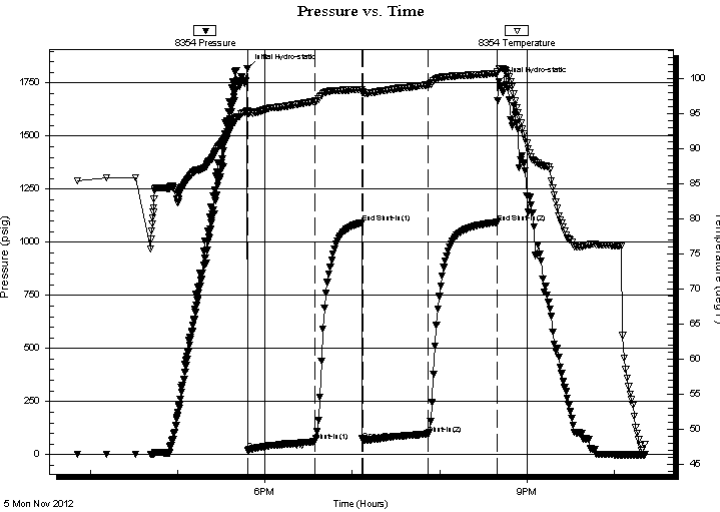
22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48612 **DST#: 4**
Test Start: 2012.11.05 @ 15:41:15

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 17:48:15 Tester: Dustin Rash
Time Test Ended: 22:21:15 Unit No: 38
Interval: 3480.00 ft (KB) To 3552.00 ft (KB) (TVD) Reference Elevations: 1979.00 ft (KB)
Total Depth: 3552.00 ft (KB) (TVD) 1974.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
Press @ RunDepth: 97.91 psig @ 3520.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.11.05 End Date: 2012.11.05 Last Calib.: 2012.11.05
Start Time: 15:51:15 End Time: 22:21:15 Time On Btm: 2012.11.05 @ 17:47:45
Time Off Btm: 2012.11.05 @ 20:40:45

TEST COMMENT: IF-Weak building blow . BOB in 25 minutes 30 seconds.
ISI-No Return.
FF-Weak building blow . BOB in 24 minutes 30 seconds.
FSI-Weak surface return @ 4 minutes. Never died.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1818.75	95.36	Initial Hydro-static
1	21.42	94.96	Open To Flow (1)
47	61.64	96.74	Shut-In(1)
79	1090.78	98.41	End Shut-In(1)
80	69.35	98.05	Open To Flow (2)
125	97.91	99.08	Shut-In(2)
172	1093.79	100.73	End Shut-In(2)
173	1756.71	101.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	10%Gas/15%Oil/75%Mud	1.77
79.00	20%Gas/80%Oil	1.11
0.00	170' G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

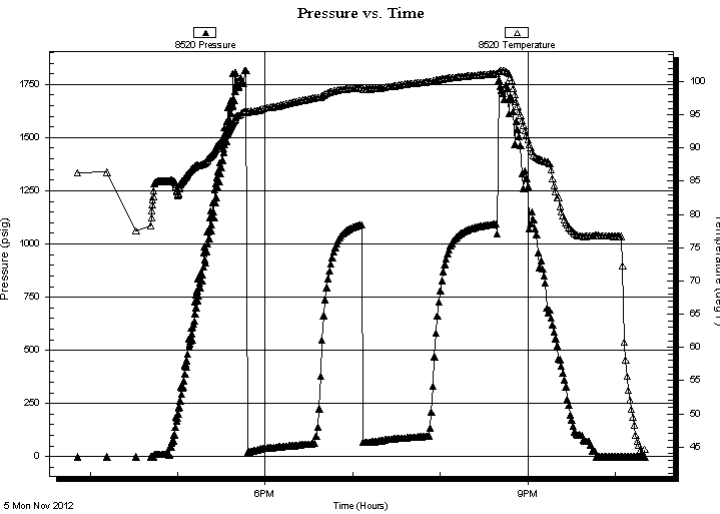
22-15s-17w Ellis, KS
Leiker Unit #1
 Job Ticket: 48612 **DST#: 4**
 Test Start: 2012.11.05 @ 15:41:15

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 17:48:15 Tester: Dustin Rash
 Time Test Ended: 22:21:15 Unit No: 38
Interval: 3480.00 ft (KB) To 3552.00 ft (KB) (TVD) Reference Elevations: 1979.00 ft (KB)
 Total Depth: 3552.00 ft (KB) (TVD) 1974.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8520 Outside
 Press @ Run Depth: psig @ 3520.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.05 End Date: 2012.11.05 Last Calib.: 2012.11.05
 Start Time: 15:51:30 End Time: 22:20:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-Weak building blow . BOB in 25 minutes 30 seconds.
 ISI-No Return.
 FF-Weak building blow . BOB in 24 minutes 30 seconds.
 FSI-Weak surface return @ 4 minutes. Never died.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
126.00	10%Gas/15%Oil/75%Mud	1.77
79.00	20%Gas/80%Oil	1.11
0.00	170' G.I.P.	0.00

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
ATTN: Jim Musgrove

22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48612 **DST#: 4**
Test Start: 2012.11.05 @ 15:41:15

Tool Information

Drill Pipe:	Length: 3488.00 ft	Diameter: 3.80 inches	Volume: 48.93 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 48.93 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3480.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	72.00 ft				
Tool Length:	92.00 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			3461.00	
Shut In Tool	5.00			3466.00	
Hydraulic tool	5.00			3471.00	
Packer	5.00			3476.00	20.00 Bottom Of Top Packer
Packer	4.00			3480.00	
Stubb	1.00			3481.00	
Perforations	5.00			3486.00	
Change Over Sub	1.00			3487.00	
Drill Pipe	32.00			3519.00	
Change Over Sub	1.00			3520.00	
Recorder	0.00	8354	Inside	3520.00	
Recorder	0.00	8520	Outside	3520.00	
Perforations	29.00			3549.00	
Bullnose	3.00			3552.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-15s-17w Ellis,KS
Leiker Unit #1
Job Ticket: 48612 **DST#: 4**
Test Start: 2012.11.05 @ 15:41:15

Mud and Cushion Information

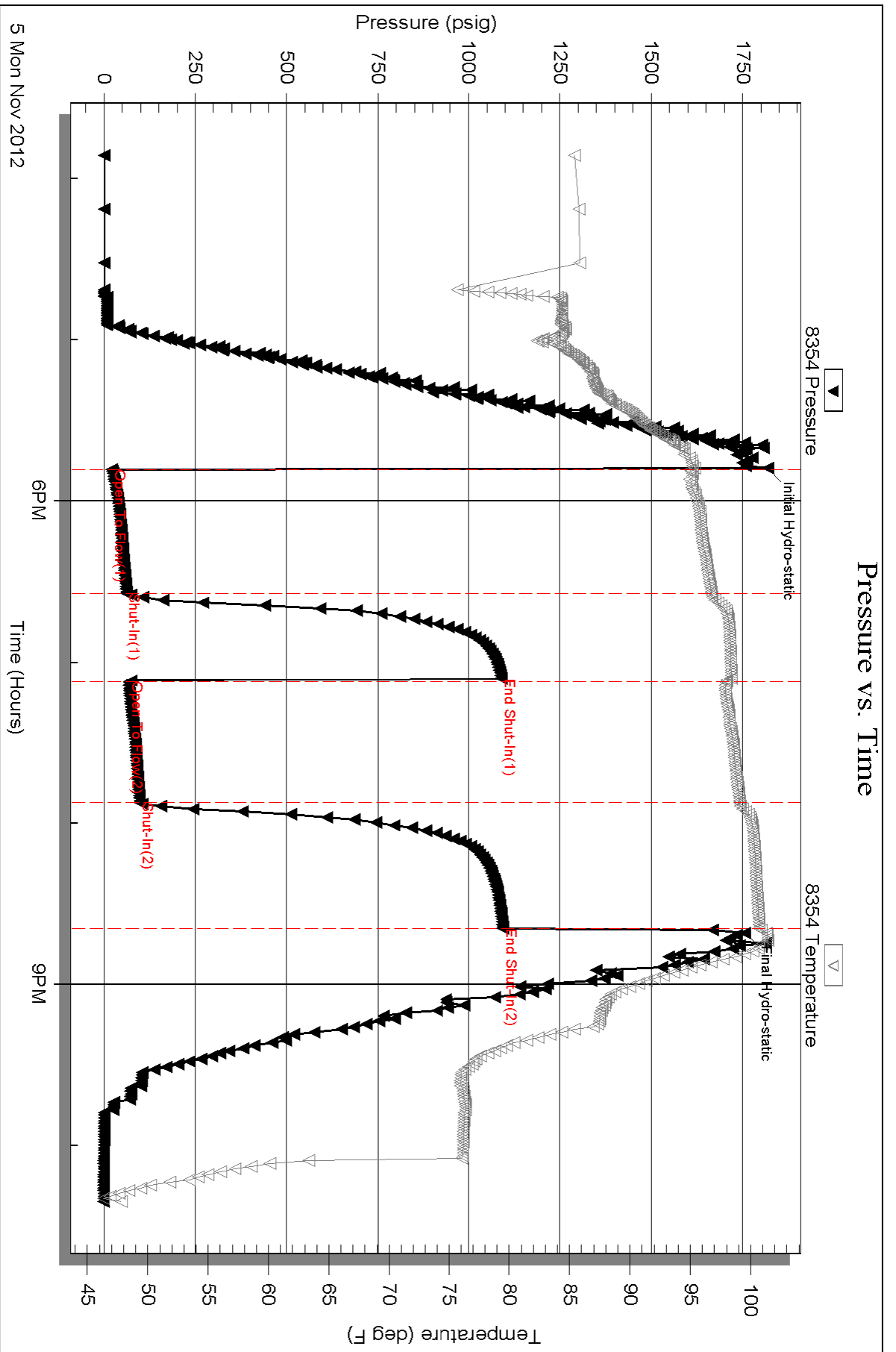
Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	10%Gas/15%Oil/75%Mud	1.767
79.00	20%Gas/80%Oil	1.108
0.00	170' G.I.P.	0.000

Total Length: 205.00 ft Total Volume: 2.875 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

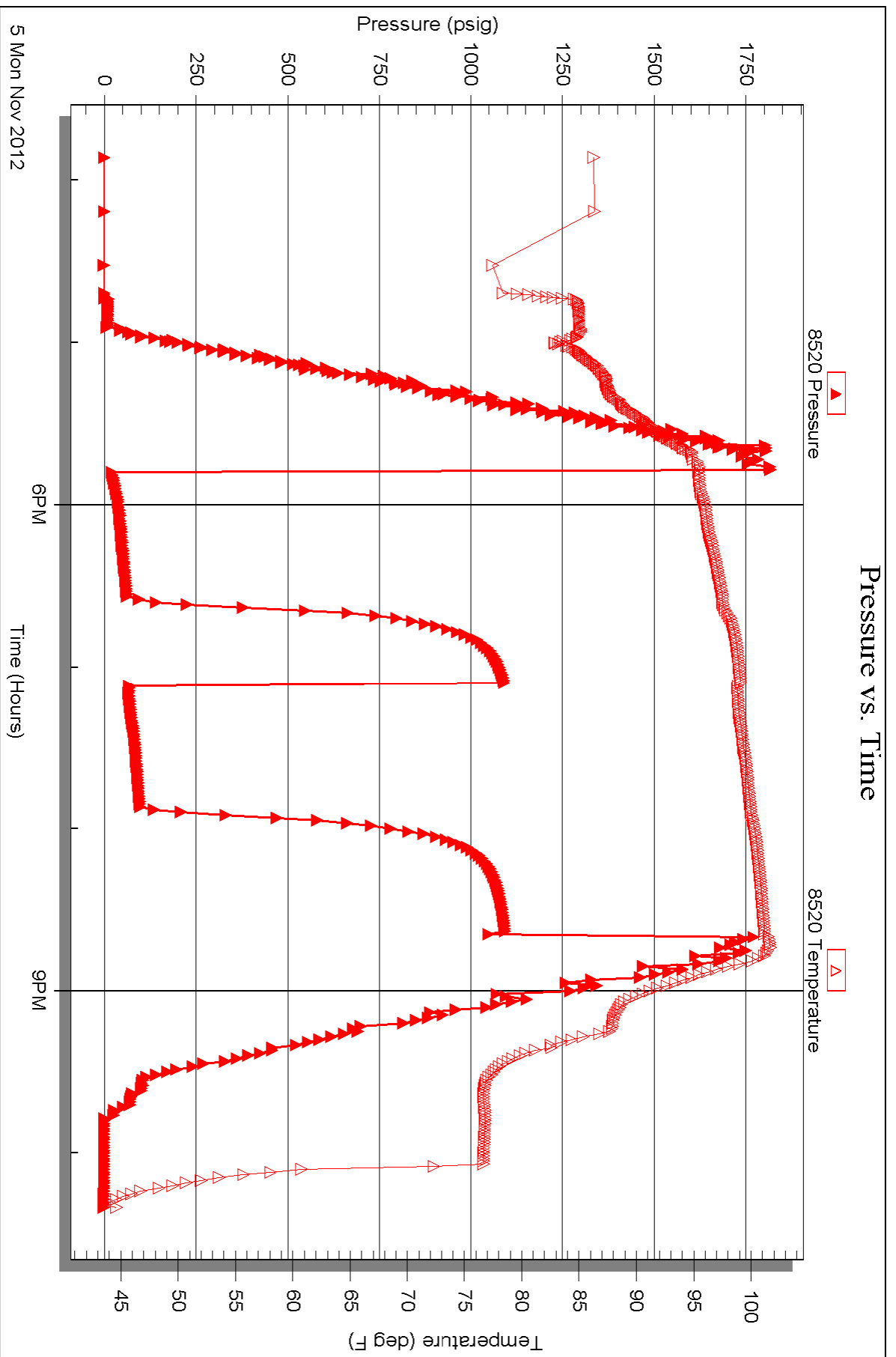


Serial #: 8520

Outside Charter Energy, Inc.

Leiker Unit #1

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48609

Well Name & No. Leiker Unit #1 Test No. 1 Date 11-3-12
 Company Chattel Energy, Inc. Elevation 1979 KB 1974 GL
 Address P.O. Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal # 1
 Location: Sec. 22 Twp. 15S Rge. 17W Co. Ellis State KS

Interval Tested 3282-3352 Zone Tested LKC "B-E"
 Anchor Length 70' Drill Pipe Run 3270 Mud Wt. 8.7
 Top Packer Depth 3277 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3282 Wt. Pipe Run 0 WL 8.0
 Total Depth 3352 Chlorides 2800 ppm System LCM 2#

Blow Description IF-Strong building blow, BOB in 8 minutes 30 seconds.
ISI- No Return,
FF- Strong building blow, BOB in 4 minutes,
FST- Return @ 4.5 seconds, BOB @ 57 minutes,

Rec	Feet of	%gas	%oil	%water	%mud
<u>141</u>	<u>60CWM</u>	<u>20</u>	<u>10</u>	<u>5</u>	<u>65</u>
<u>124</u>	<u>60CM</u>	<u>30</u>	<u>15</u>		<u>35</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>975' G.I.P.</u>	%gas	%oil	%water	%mud

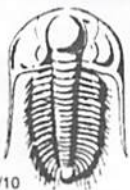
Rec Total 265 BHT 103 Gravity ✓ API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1603 Test 1150 T-On Location 1600
 (B) First Initial Flow 22 Jars T-Started 1700
 (C) First Final Flow 64 Safety Joint T-Open 1819
 (D) Initial Shut-In 828 Circ Sub T-Pulled 2120
 (E) Second Initial Flow 78 Hourly Standby T-Out 2300
 (F) Second Final Flow 121 Mileage 17X2 52.70 Comments: Batt-1655
 (G) Final Shut-In 841 Sampler
 (H) Final Hydrostatic 1522 Straddle Ruined Shale Packer

Initial Open 30 Shale Packer Ruined Packer
 Initial Shut-In 30 Extra Packer Extra Copies
 Final Flow 60 Extra Recorder Sub Total 0
 Final Shut-In 60 Day Standby Total 1202.70
 Accessibility MP/DST Disc't
 Sub Total 1202.70

Approved By Our Representative D. Kash

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. 48610

Well Name & No. Leikel Unit #1 Test No. 2 Date 11-4-12
 Company Chatter Energy, Inc. Elevation 1979 KB 1974 GL
 Address P.O. Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 22 Twp. 15S Rge. 17W Co. Ellis State KS

Interval Tested 3420-3486 Zone Tested _____
 Anchor Length 66' Drill Pipe Run _____ Mud Wt. 9.0
 Top Packer Depth 3415 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3420 Wt. Pipe Run 0 WL 7.2
 Total Depth 3486 Chlorides 2600 ppm System LCM 2#
 Blow Description IF - Lost Tool. Fished Tool Out.

The elevators caught the slips handle pulling it free and allowing the tool and two stands of pipe to fall down the hole.

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	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic _____ Test 950 T-On Location 1230
 (B) First Initial Flow _____ Jars _____ T-Started _____
 (C) First Final Flow _____ Safety Joint _____ T-Open _____
 (D) Initial Shut-In _____ Circ Sub 50 T-Pulled _____
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 2200
 (F) Second Final Flow _____ Mileage 17X2 52.70 Comments Best 1309
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320
 Initial Open _____ Extra Packer _____ Extra Copies _____
 Initial Shut-In _____ Extra Recorder _____ Sub Total 320
 Final Flow _____ Day Standby _____ Total 1372.70
 Final Shut-In _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 1052.70

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. 48611

Well Name & No. Leiker Unit #1 Test No. 3 Date 11-5-12
 Company Chalco Energy, Inc. Elevation 1979 KB 1974 GL
 Address P.O. Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 22 Twp. 15S Rge. 17W Co. Ellis State KS

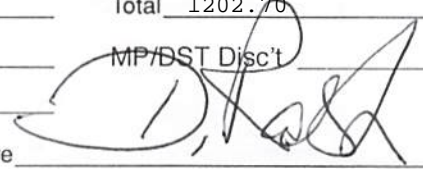
Interval Tested 3420-3486 Zone Tested LKC "I-K"
 Anchor Length 66' Drill Pipe Run 3428 Mud Wt. 9.0
 Top Packer Depth 3415 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3420 Wt. Pipe Run 0 WL 7.2
 Total Depth 3486 Chlorides 2600 ppm System LCM 2#

Blow Description IF-Weak surface blow throughout.
IST- No Return.
FF- Weak surface blow. Dried @ 13 minutes. Flushed. Dried.
FST- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>4</u>	<u>Mud</u>			<u>100</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 4 BHT 96 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1781 Test 1150 T-On Location 0200
 (B) First Initial Flow 20 Jars _____ T-Started 0300
 (C) First Final Flow 20 Safety Joint _____ T-Open 0402
 (D) Initial Shut-In 31 Circ Sub _____ T-Pulled 0605
 (E) Second Initial Flow 20 Hourly Standby _____ T-Out 0730
 (F) Second Final Flow 22 Mileage 17X2 52.70 Comments Bart-0257
 (G) Final Shut-In 36 Sampler _____
 (H) Final Hydrostatic 1752 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 1202.70
 Final Flow 30-Flushed Accessibility _____ MP/DST Disc't
 Final Shut-In 30 Sub Total 1202.70

Approved By _____ Our Representative 

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. 48612

Well Name & No. Leiker Unit #1 Test No. 4 Date 11-5-12
 Company Chatter Energy, Inc. Elevation 1979 KB 1974 GL
 Address P.O. Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal I
 Location: Sec. 22 Twp. 15S Rge. 17W Co. Ellis State KS

Interval Tested 3480-3552 Zone Tested Ambuckle
 Anchor Length 72' Drill Pipe Run 3488 Mud Wt. 9.1
 Top Packer Depth 3475 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3480 Wt. Pipe Run 0 WL 8.0
 Total Depth 3552 Chlorides 2600 ppm System LCM 2

Blow Description IF-Weak building blow, BOB in 25 minutes 30 seconds, EST-No Return, FF-Weak building blow, BOB in 24 minutes 30 seconds, EST-Weak surface return @ 4 minutes, Never Died

Rec	Feet of	%gas	%oil	%water	%mud
79	Gassy Oil	20	80		
126	GOCM	10	15		75
	170' GI, P.				

Rec Total 205 BHT _____ Gravity 40 API RW _____ @ _____ ° F Chlorides _____ ppm

A) Initial Hydrostatic 1819 Test 1150 T-On Location 1515
 B) First Initial Flow 21 Jars _____ T-Started 1630
 C) First Final Flow 62 Safety Joint _____ T-Open 1748
 D) Initial Shut-In 1091 Circ Sub _____ T-Pulled 2035
 E) Second Initial Flow 69 Hourly Standby _____ T-Out 2215
 F) Second Final Flow 98 Mileage 17X2 52.70 Comments Best-1541
 G) Final Shut-In 1094 Sampler _____
 H) Final Hydrostatic 1757 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1202.70
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1202.70

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.

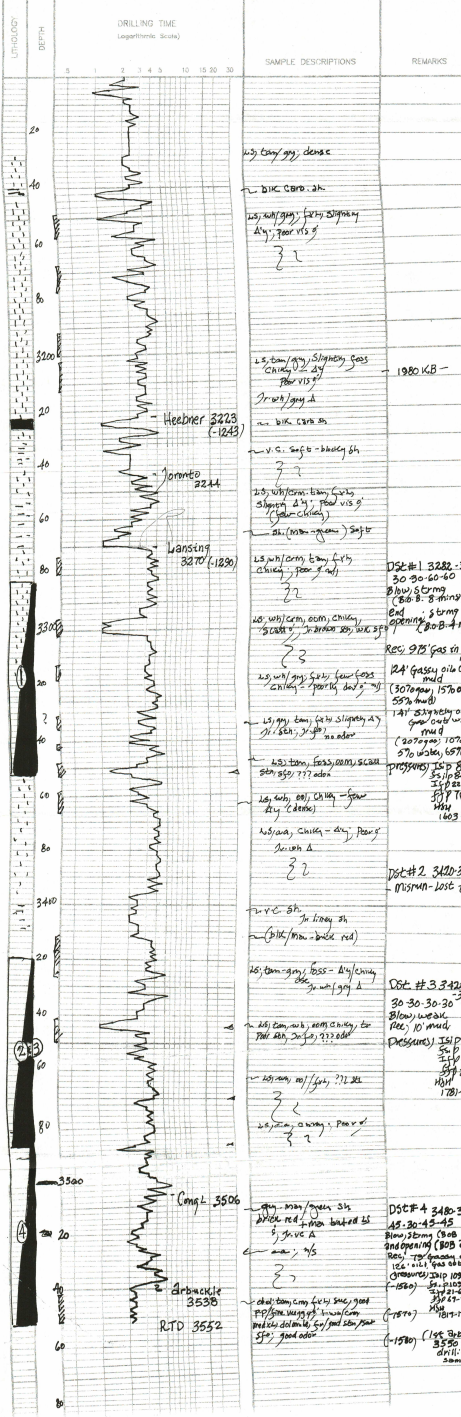
Geological Survey of Canada
Geologists' Report
SR 200-1439

Geologists' Report
SR 200-1439
W. A. G. ...
Geological Survey of Canada
Geologists' Report
SR 200-1439

TABLE 1
Geological Survey of Canada
Geologists' Report
SR 200-1439

Interval	1-20	20-40	40-60	60-80	80-100	100-120	120-140	140-160	160-180	180-200
Drilling Time (Logarithmic Scale)	5	10	15	20	30	40	50	60	70	80

5 1/2" production casing was set & cemented on the Weiker Unit #1.
Respectfully submitted,
Geologist



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

March 21, 2013

Steve Baize
Charter Energy, Inc.
PO BOX 252
GREAT BEND, KS 67530-0252

Re: ACO1
API 15-051-26417-00-00
Leiker Unit 1
NW/4 Sec.22-15S-17W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Steve Baize

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

March 22, 2013

Steve Baize
Charter Energy, Inc.
PO BOX 252
GREAT BEND, KS 67530-0252

Re: ACO-1
API 15-051-26417-00-00
Leiker Unit 1
NW/4 Sec.22-15S-17W
Ellis County, Kansas

Dear Steve Baize:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 10/30/2012 and the ACO-1 was received on March 21, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department