



KANSAS CORPORATION COMMISSION 1094487
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: Josh Austin
Purchaser: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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 #: _____
04/11/2012 04/17/2012 04/17/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-051-26301-00-00
Spot Description: _____
E2 E2 NW SW Sec. 31 Twp. 15 S. R. 18 East West
1980 Feet from North / South Line of Section
1105 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Gary Leiker Well #: 1
Field Name: _____
Producing Formation: D & A
Elevation: Ground: 1985 Kelly Bushing: 1992
Total Depth: 3650 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1165 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: 48000 ppm Fluid volume: 700 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 Garbar Date: 09/25/2012



1094487

Operator Name: Charter Energy, Inc. Lease Name: Gary Leiker Well #: 1
 Sec. 31 Twp. 15 S. R. 18 East West County: Ellis

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: Density Neutron, Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1156</td> <td>+836</td> </tr> <tr> <td>Heebner</td> <td>3228</td> <td>-1236</td> </tr> <tr> <td>Lansing</td> <td>3275</td> <td>-1283</td> </tr> <tr> <td>Cong. Sand</td> <td>3558</td> <td>-1566</td> </tr> <tr> <td>Arbuckle</td> <td>3578</td> <td>-1586</td> </tr> <tr> <td>Reagan Sand</td> <td>3593</td> <td>-1601</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1156	+836	Heebner	3228	-1236	Lansing	3275	-1283	Cong. Sand	3558	-1566	Arbuckle	3578	-1586	Reagan Sand	3593	-1601
Name	Top	Datum																				
Anhydrite	1156	+836																				
Heebner	3228	-1236																				
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Cong. Sand	3558	-1566																				
Arbuckle	3578	-1586																				
Reagan Sand	3593	-1601																				

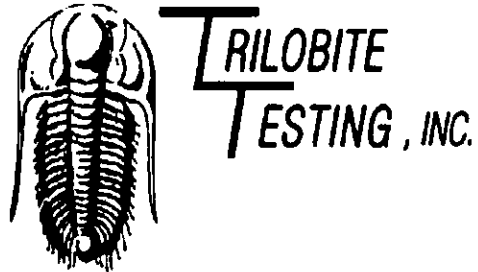
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1165	common	450	2%gel 3%cc

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: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Charter Energy**
PO Box 252
Great Bend KS 67530

ATTN: Josh Austin

Gary Leiker #1

31-15s-18w Ellis,KS

Start Date: 2012.04.16 @ 10:51:00

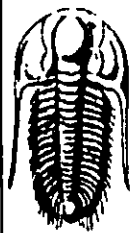
End Date: 2012.04.16 @ 15:58:09

Job Ticket #: 45832 DST #: 1

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

Printed: 2012.04.19 @ 11:36:46

Charter Energy 31-15s-18w Ellis,KS Gary Leiker #1 DST # 1 Lansing I & J 2012.04.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy
P0 Box 252
Great Bend KS 67530
ATTN: Josh Austin

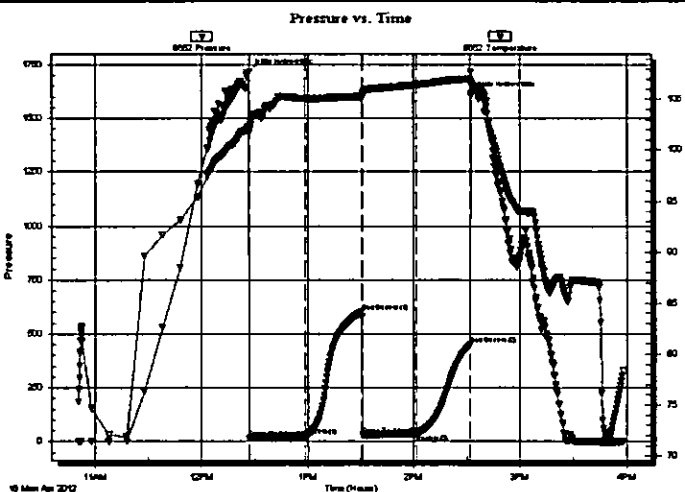
31-15s-18w Ellis,KS
Gary Leiker #1
Job Ticket: 45832 **DST#: 1**
Test Start: 2012.04.16 @ 10:51:00

GENERAL INFORMATION:

Formation: **Lansing I & J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:26:55
Time Test Ended: 15:58:09
Interval: **3432.00 ft (KB) To 3478.00 ft (KB) (TVD)**
Total Depth: **3478.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Will MacLean**
Unit No: **40**
Reference Elevations: **1992.00 ft (KB)**
1985.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 8652 **Inside**
Press@RunDepth: **35.32 psig @ 3433.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.04.16** End Date: **2012.04.16** Last Calib.: **2012.04.16**
Start Time: **10:51:00** End Time: **15:58:09** Time On Btm: **2012.04.16 @ 12:26:40**
Time Off Btm: **2012.04.16 @ 14:32:10**

TEST COMMENT: IF- Weak Surface Blow Built to 2 3/4"
IS- No Blow
FF- Weak Surface Blow Built to 2"
FS- No Blow



PRESSURE SUMMARY

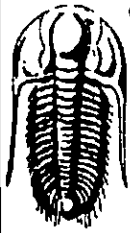
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.02	102.31	Initial Hydro-static
1	15.21	101.63	Open To Flow (1)
32	25.50	105.09	Shut-In(1)
64	603.04	105.28	End Shut-In(1)
65	29.06	105.22	Open To Flow (2)
95	35.32	106.45	Shut-In(2)
125	449.32	107.03	End Shut-In(2)
126	1606.31	107.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	GO	0.01
44.00	GWCM 2%g 20%w 78%m	0.62
0.00	81' of GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy
 P0 Box 252
 Great Bend KS 67530
 ATTN: Josh Austin

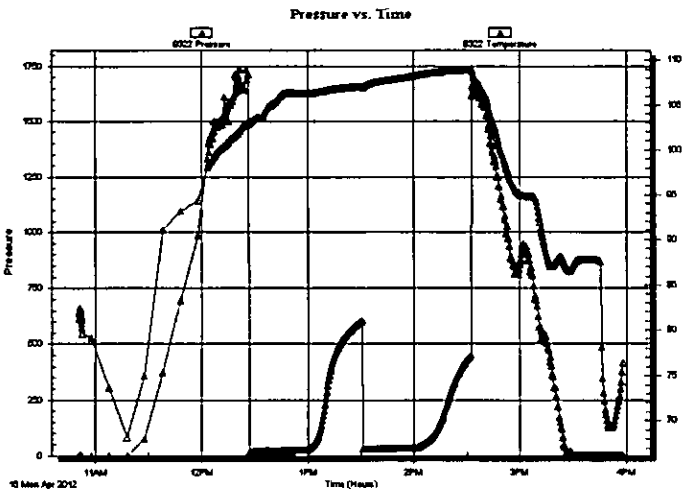
31-15s-18w Ellis,KS
Gary Leiker #1
 Job Ticket: 45832 **DST#: 1**
 Test Start: 2012.04.16 @ 10:51:00

GENERAL INFORMATION:

Formation: **Lansing I & J**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 12:26:55
 Time Test Ended: 15:58:09
 Interval: **3432.00 ft (KB) To 3478.00 ft (KB) (TVD)**
 Total Depth: **3478.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Will MacLean**
 Unit No: **40**
 Reference Elevations: **1992.00 ft (KB)**
1985.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8322 Outside
 Press@RunDepth: psig @ **3433.00 ft (KB)**
 Start Date: **2012.04.16** End Date: **2012.04.16**
 Start Time: **10:51:05** End Time: **15:58:29**
 Capacity: **8000.00 psig**
 Last Calib.: **2012.04.16**
 Time On Btmr
 Time Off Btmr

TEST COMMENT: IF- Weak Surface Blow Built to 2 3/4"
 IS- No Blow
 FF- Weak Surface Blow Built to 2"
 FS- No Blow



PRESSURE SUMMARY

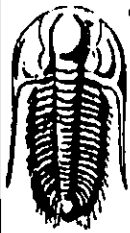
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
1.00	GO	0.01
44.00	GWCM 2%g 20%w 78%m	0.62
0.00	81' of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy
PO Box 252
Great Bend KS 67530
ATTN: Josh Austin

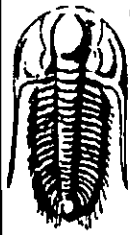
31-15s-18w Ellis,KS
Gary Leiker #1
Job Ticket: 45832 **DST#: 1**
Test Start: 2012.04.16 @ 10:51:00

Tool Information

Drill Pipe:	Length: 3420.00 ft	Diameter: 3.80 inches	Volume: 47.97 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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:	4000.00 lb
			<u>Total Volume: 47.97 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3432.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	66.00 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			3413.00	
Shut In Tool	5.00			3418.00	
Hydraulic tool	5.00			3423.00	
Packer	5.00			3428.00	20.00 Bottom Of Top Packer
Packer	4.00			3432.00	
Stubb	1.00			3433.00	
Recorder	0.00	8652	Inside	3433.00	
Recorder	0.00	8322	Outside	3433.00	
Perforations	9.00			3442.00	
Change Over Sub	1.00			3443.00	
Drill Pipe	31.00			3474.00	
Change Over Sub	1.00			3475.00	
Bullnose	3.00			3478.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

31-15s-18w Ellis,KS

P0 Box 252
Great Bend KS 67530

Gary Leiker #1

Job Ticket: 45832

DST#: 1

ATTN: Josh Austin

Test Start: 2012.04.16 @ 10:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	GO	0.014
44.00	GWCM 2%g 20%w 78%m	0.617
0.00	81' of GP	0.000

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

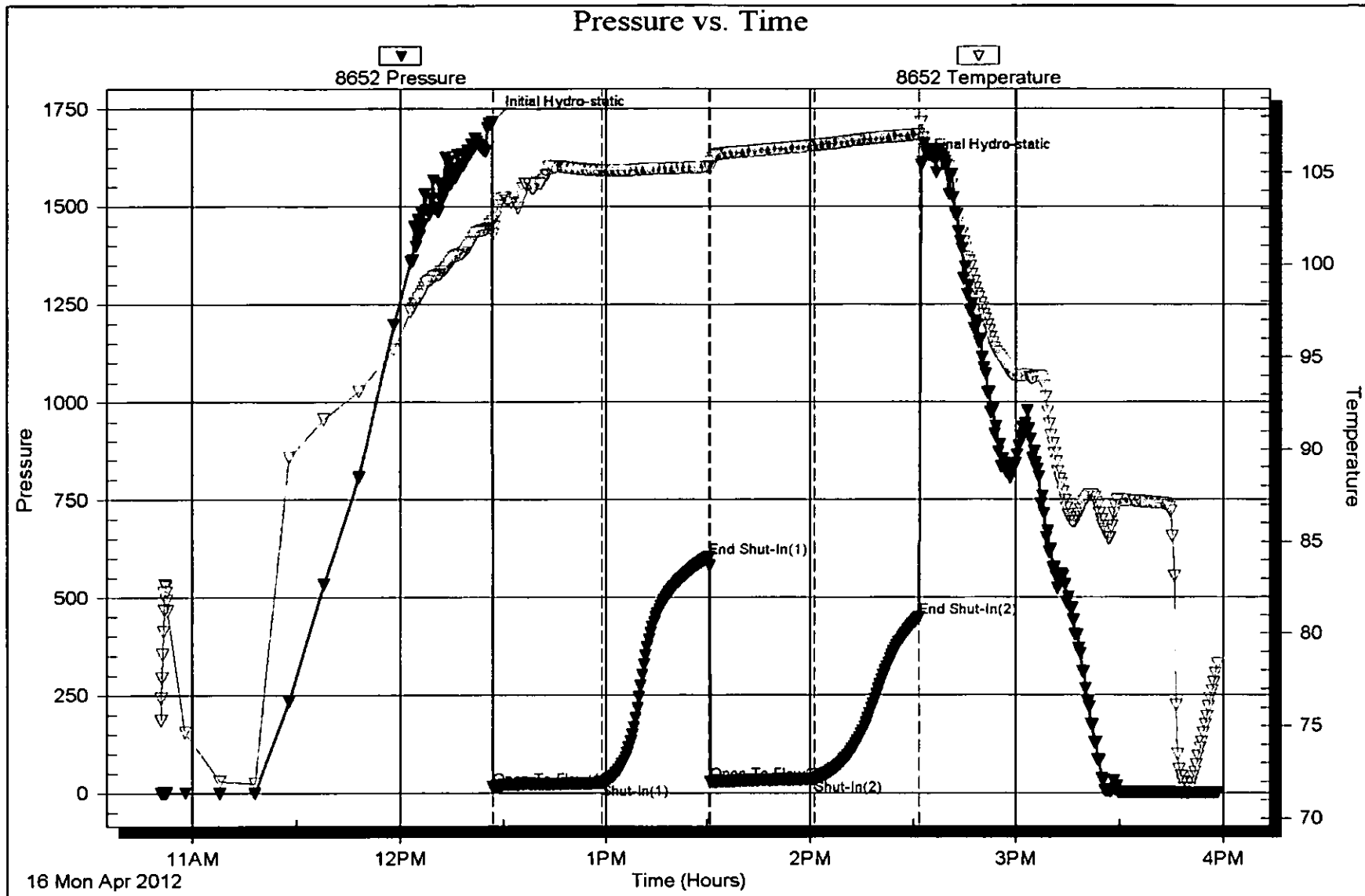
Num Gas Bombs: 0

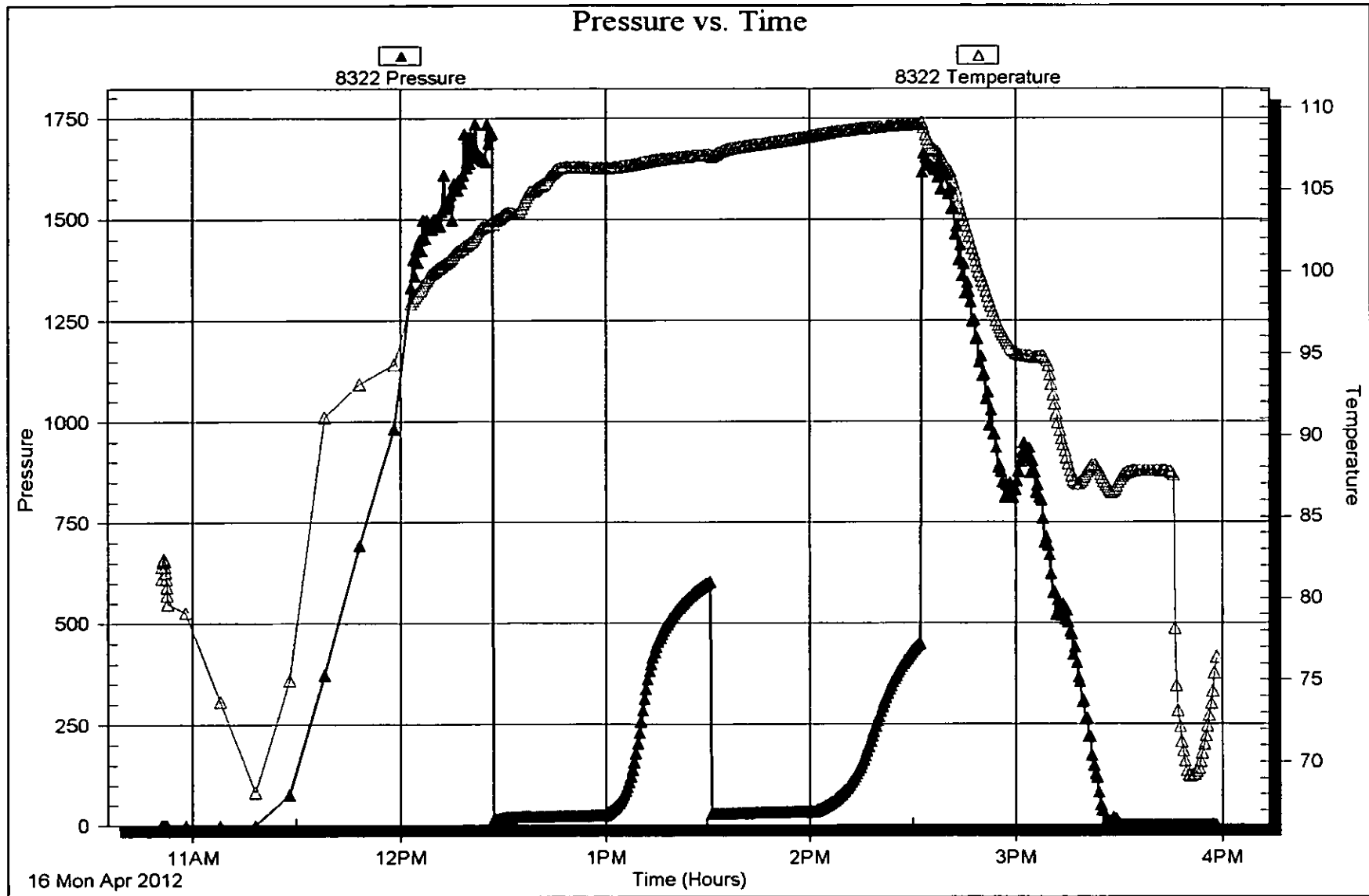
Serial #:

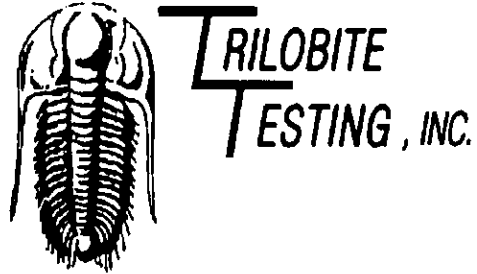
Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .158 @ 82f = 32000







DRILL STEM TEST REPORT

Prepared For: **Charter Energy**
PO Box 252
Great Bend KS 67530

ATTN: Josh Austin

Gary Leiker #1

31-15s-18w Ellis,KS

Start Date: 2012.04.17 @ 04:52:00

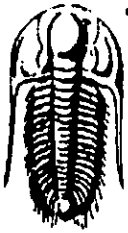
End Date: 2012.04.17 @ 09:16:39

Job Ticket #: 45833 DST #: 2

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

Printed: 2012.04.19 @ 11:36:12

Charter Energy 31-15s-18w Ellis,KS Gary Leiker #1 DST # 2 Marmaton / Arbuckle 2012.04.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy
PO Box 252
Great Bend KS 67530
ATTN: Josh Austin

31-15s-18w Ellis,KS
Gary Leiker #1
Job Ticket: 45833 **DST#: 2**
Test Start: 2012.04.17 @ 04:52:00

GENERAL INFORMATION:

Formation: **Marmaton / Arbuckle**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 06:16:55
Time Test Ended: 09:16:39

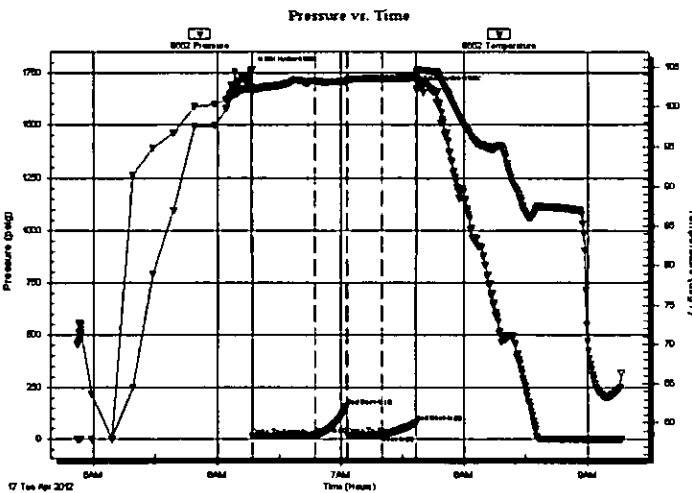
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Will MacLean**
Unit No: **40**

Interval: **3514.00 ft (KB) To 3590.00 ft (KB) (TVD)**
Total Depth: **3590.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1992.00 ft (KB)**
1985.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 8652 **Inside**
Press@RunDepth: **21.39 psig @ 3515.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.04.17** End Date: **2012.04.17** Last Calib.: **2012.04.17**
Start Time: **04:52:00** End Time: **09:16:39** Time On Btm: **2012.04.17 @ 06:16:40**
Time Off Btm: **2012.04.17 @ 07:36:55**

TEST COMMENT: IF- Weak Surface Blow Built to 1 1/4"
ISL- No Blow
FF- Weak Surface Blow
FSL- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.76	102.47	Initial Hydro-static
1	16.00	101.79	Open To Flow (1)
31	19.04	103.31	Shut-in(1)
46	156.12	103.23	End Shut-in(1)
47	19.13	103.39	Open To Flow (2)
64	21.39	103.54	Shut-in(2)
80	77.75	103.67	End Shut-in(2)
81	1668.77	104.43	Final Hydro-static

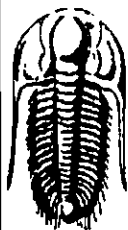
Recovery

Length (ft)	Description	Volume (bbl)
23.00	GOCM 4%g 4%oil 92%m	0.32
2.00	GO 3%g 97%oil	0.03
0.00	38' of GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Charter Energy
P.O. Box 252
Great Bend KS 67530

ATTN: Josh Austin

31-15s-18w Ellis,KS

Gary Leiker #1
Job Ticket: 45833 **DST#: 2**
Test Start: 2012.04.17 @ 04:52:00

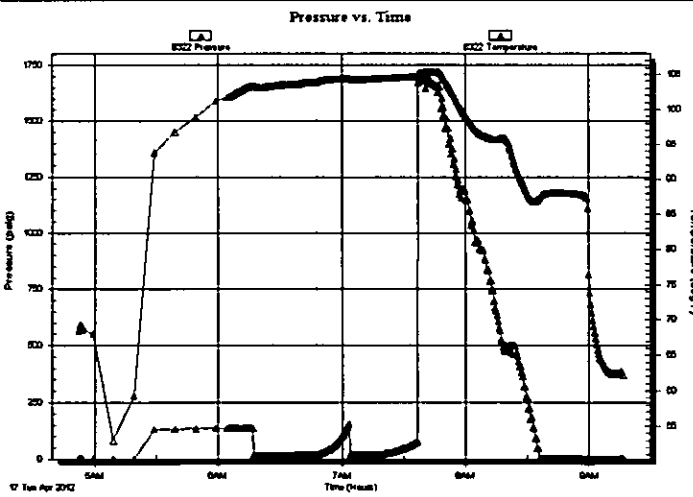
GENERAL INFORMATION:

Formation: **Marmaton / Arbuckle**
Deviated: **No Whipstock:** ft (KB) Test Type: **Conventional Bottom Hole (Reset)**
Time Tool Opened: 06:16:55 Tester: **Will MacLean**
Time Test Ended: 09:16:39 Unit No: **40**

Interval: **3514.00 ft (KB) To 3590.00 ft (KB) (TVD)** Reference Elevations: **1992.00 ft (KB)**
Total Depth: **3590.00 ft (KB) (TVD)** **1985.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **7.00 ft**

Serial #: 8322 Outside
Press@RunDepth: psig @ **3515.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.04.17** End Date: **2012.04.17** Last Calib.: **2012.04.17**
Start Time: **04:52:05** End Time: **09:16:59** Time On Btm:
Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to 1 1/4"
IS- No Blow
FF- Weak Surface Blow
FS- No Blow



PRESSURE SUMMARY

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

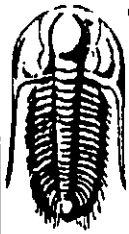
Recovery

Length (ft)	Description	Volume (bbl)
23.00	GOCM 4%g 4%oil 92%w	0.32
2.00	GO 3%g 97%oil	0.03
0.00	38' of GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy
 P0 Box 252
 Great Bend KS 67530
 ATTN: Josh Austin

31-15s-18w Ells,KS
Gary Leiker #1
 Job Ticket: 45833 **DST#: 2**
 Test Start: 2012.04.17 @ 04:52:00

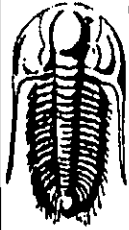
Tool Information

Drill Pipe:	Length: 3511.00 ft	Diameter: 3.80 inches	Volume: 49.25 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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: 6000.00 lb
			<u>Total Volume: 49.25 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3514.00 ft			Final 42000.00 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:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3495.00	
Shut In Tool	5.00			3500.00	
Hydraulic tool	5.00			3505.00	
Packer	5.00			3510.00	20.00 Bottom Of Top Packer
Packer	4.00			3514.00	
Stubb	1.00			3515.00	
Recorder	0.00	8652	Inside	3515.00	
Recorder	0.00	8322	Outside	3515.00	
Perforations	7.00			3522.00	
Change Over Sub	1.00			3523.00	
Drill Pipe	63.00			3586.00	
Change Over Sub	1.00			3587.00	
Bullnose	3.00			3590.00	76.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

31-15s-18w Ellis,KS

P0 Box 252
Great Bend KS 67530

Gary Leiker #1

Job Ticket: 45833

DST#: 2

ATTN: Josh Austin

Test Start: 2012.04.17 @ 04:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
23.00	GOCM 4%g 4%oil 92%m	0.323
2.00	GO 3%g 97%oil	0.028
0.00	38' of GP	0.000

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

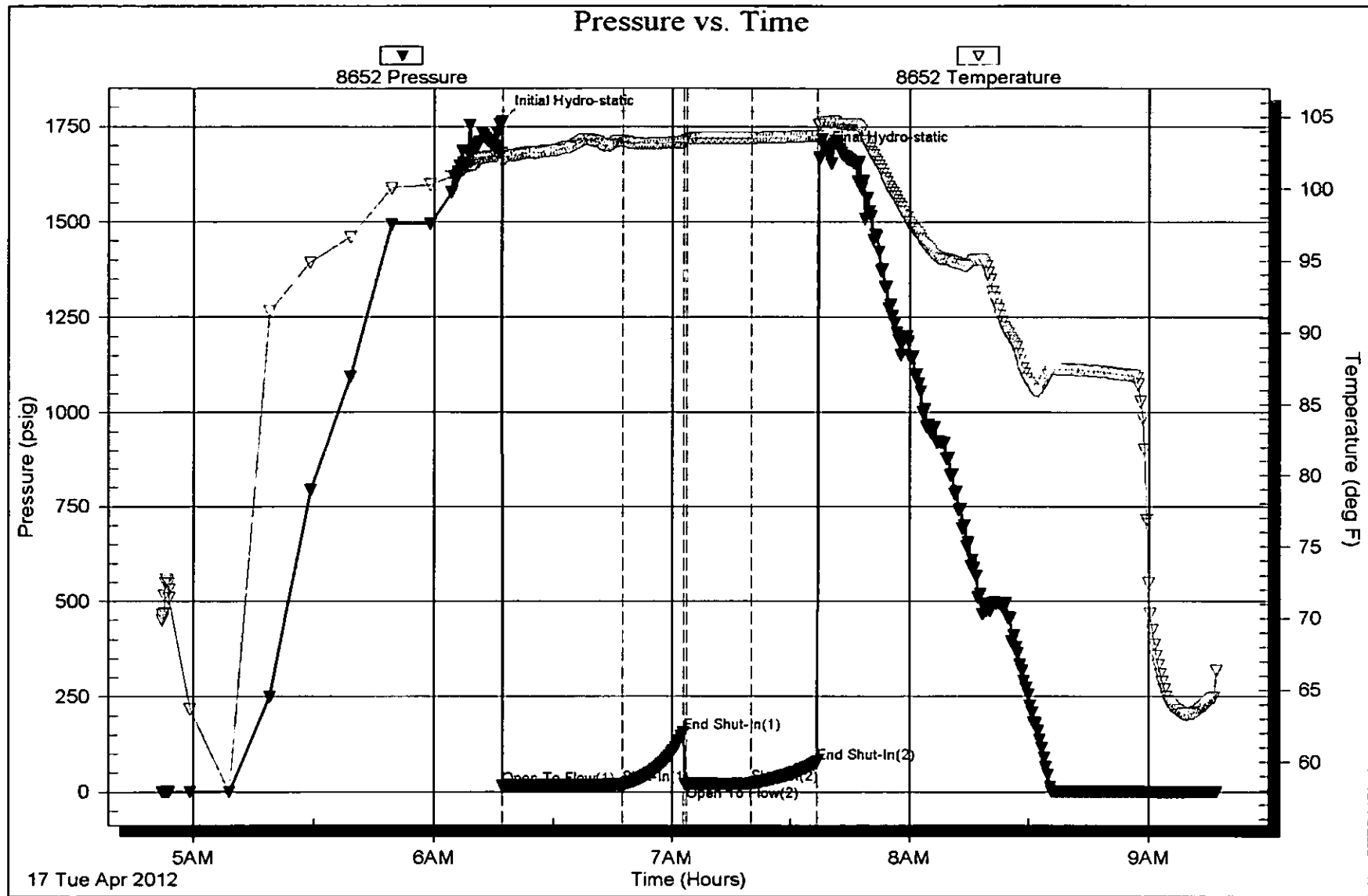
Num Gas Bombs: 0

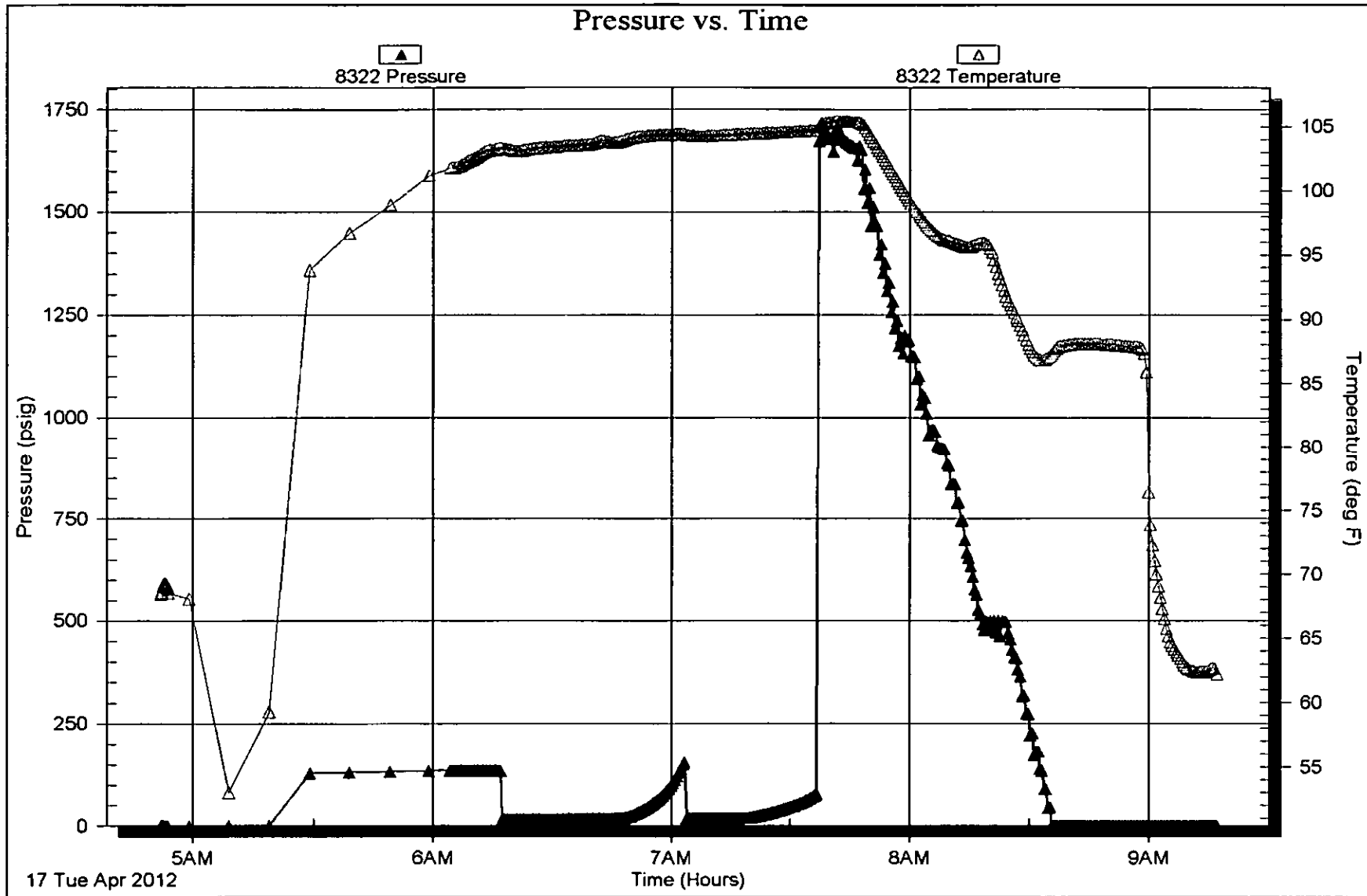
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

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APR 17 2012

Test Ticket

NO. 45832

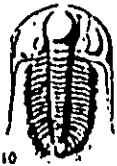
Well Name & No. Gary Leiker #1 Test No. DST #1 Date 4-16-12
 Company Charter Energy Elevation 1992 KB 1985 GL
 Address P.O. Box 252 Great Bend KS 67530
 Co. Rep / Geo. Josh Austin Rio Royal Ris #1
 Location: Soc. 31 Twp. 15S Rge. 18W Co. Ellis State KS

Interval Tested 3432-3478 Zone Tested Lansing I, J
 Anchor Length 46 Drill Pipe Run 3420 Mud Wt. 9.2
 Top Packer Depth 3428 Drill Collars Run 0 Vis 5.2
 Bottom Packer Depth 3432 Wt. Pipe Run 0 WI. 7.2
 Total Depth 3478 Chlorides 2600 ppm System LCM 1
 Blow Description IF - Weak Surface Blow Built to 2 3/4"
ISI - No Blow
FF - Weak Surface Blow Built to 2"
FSI - No Blow

Rec	Foot of	%gas	%oil	%water	%mud
<u>1</u>	<u>G-O</u>		<u>100%</u>		
<u>44</u>	<u>G-WCM</u>	<u>2%</u>		<u>20%</u>	<u>78%</u>
	<u>81' of G-IP</u>				

Rec Total 45 BHT 105 Gravity API RW 158 @ 82 °F Chlorides 32000 ppm
 (A) Initial Hydrostatic 1715 Test 1150 T-On Location 10:08 AM
 (B) First Initial Flow 15 Jars T-Started 10:51 AM
 (C) First Final Flow 25 Safety Joint T-Open 12:26
 (D) Initial Shut-In 603 Circ Sub N/C T-Pulled 17:32
 (E) Second Initial Flow 29 Hourly Standby T-Out 15:58
 (F) Second Final Flow 35 Mileage 4.2 RT, 105.10 Comments
 (G) Final Shut-In 449 Sampler Not enough oil to get gravity
 (H) Final Hydrostatic 1606 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 1215.10
 Final Flow 30 Accessibility MP/DST Disc't
 Final Shut-In 30 Sub Total 1215.10

Approved By [Signature] Our Representative [Signature]
 Triobite Testing Inc. shall not be liable for damaged or any loss 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, tool's lost or damaged in the hole shall be paid for at cost by the party for whom the test is made



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APR 17 2012

Test Ticket

NO. 45833

Well Name & No. Cary Leiker #1 Test No. DST #2 Date 4-17-12
 Company Charter Energy Elevation 1992 KB 1985 GL
 Address P.O. Box 252 Great Bend KS 67530
 Co. Rep / Geo. Josh Austin Rig Royal Rs #1
 Location: Sec. 31 Twp. 15s Rgo. 18w Co. Ellis State KS

Interval Tested 3514 - 3590 Zone Tested Marmaton / Arbuckle
 Anchor Length 76 Drill Pipe Run 3511 Mud Wt. 9.2
 Top Packer Depth 3510 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 3514 Wt. Pipe Run 0 WL 7.2
 Total Depth 3590 Chlorides 2800 ppm System LCM 3/5
 Blow Description IF - Weak Surface Blow Built to 124
TSI - No Blow
FF - Weak Surface Blow
FST - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>6.0 Oil</u>	<u>3%</u>	<u>97%</u>		
<u>23</u>	<u>6.0 C.M</u>	<u>4%</u>	<u>4%</u>	<u>92%</u>	
<u>38'</u>	<u>of G-7P</u>				

Rec Total 25 BIT 102 Gravity API RW @ F Chlorides ppm
 (A) Initial Hydrostatic 1762 Test 1150 T-On Location 4:32 AM
 (B) First Initial Flow 16 Jars T-Started 4:52 AM
 (C) First Final Flow 19 Safety Joint T-Open 6:16
 (D) Initial Shut-In 156 Circ Sub N/C T-Pulled 7:36
 (E) Second Initial Flow 19 Hourly Standby T-Out 9:16
 (F) Second Final Flow 21 Mileage 42 RT 65.10 Comments
 (G) Final Shut-In 77 Sampler
 (H) Final Hydrostatic 1668 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open 30 Extra Recorder Sub Total 0
 Initial Shut-In 15 Day Standby Total 1215.10
 Final Flow 15 Accessibility MP/DST Disc't
 Final Shut-In 15 Sub Total 1215.10

Approved By [Signature] Our Representative Neil Marjan

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.

QUALITY OILWELL CEMENTING, INC.

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

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

No. 387

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-12-12	31	15	1.8	ELLIS	KANSAS		10:00pm
Lease <u>CARL LUTER</u>	Well No. <u>1</u>	Location <u>HAYS 183 TO 50 COUNTY LINE RD - 25 W - 13 N TO</u>					
Contractor <u>ROYAL DRILLING #1</u>	Owner <u>CHARTER ENERGY, INC.</u>			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 <u>LONG SURFACE</u>	Hole Size <u>12 1/4</u>			T.D. <u>1115.57</u>	Charge To <u>CHARTER ENERGY, INC.</u>		
Csg. <u>8 5/8" - 2312</u>	Tbg. Size			Depth <u>1179.57</u>	Street <u>P.O. Box 252</u>		
Tool	Cement Left in Csg.			Depth	City <u>GREAT BEND</u> State <u>KS</u>		
Meas Line	Shoe Joint <u>35.85</u>			Displace <u>72.52LS</u>	The above was done to satisfaction and supervision of owner agent or contractor.		
Cement Amount Ordered <u>450 com - 3cc - 2 gal</u>							
EQUIPMENT							
Pumptrk <u>15</u> No.	Cement Helper <u>WISCO</u>			Common			
Bulktrk <u>13</u> No.	Driver <u>NECK</u>			Poz. Mix			
Bulktrk No.	Driver			Gel.			
JOB SERVICES & REMARKS							
Remarks:				Calcium			
Rat Hole				Hulls			
Mouse Hole				Salt			
Centralizers				Flowseal			
Baskets				Kol-Seal			
D/V or Port Collar				Mud CLA-48			
				CFL-117 or CD110 CAF 38			
				Sand			
				Handling			
				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				1- 8 5/8" RUBBER PLUG			
				1- 8 5/8" HEADS MANIFOLD			
				Pumptrk Charge			
				Mileage			
				Tax			
				Discount			
				Total Charge			
Signature: <u>Doug Podg</u> X _____							

CEMENT DID CIRCULATE!

THANK YOU!

QUALITY OILWELL CEMENTING, INC.

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

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

No. 371

Date	4-17-12	Sec.	31	Twp.	15	Range	18	County	ELLIS	State	KANSAS	On Location		Finish	12:00AM
Lease	Gael, LITKER		Well No.	7		Location: Hays St 183 to Scountline Rd - 3 mi W - NETAO									
Contractor	ROYAL DRILLING Rig #1					Owner: CHARTER ENERGY									
Type Job	ROTARY PLUG					To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.									
Hole Size	7 7/8"		T.D.	31650'											
Csg.			Depth												
Tbg. Size			Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Meas Line			Displace	Cement Amount Ordered 200 SKS 60% 4% - 1/4 lb SEAL											

EQUIPMENT

Pumptrk	15	No.	Cementor	PAUL	Common
Bulktrk	10	No.	Driver	LEVY	Poz. Mix
Bulktrk	P/U	No.	Driver	CISCO	Gal.

JOB SERVICES & REMARKS

Remarks:		Calcium
Rat Hole	30 SKS.	Hulls
Mouse Hole	15 SKS.	Salt
Centralizers		Flowseal
Baskets		Kol-Seal
D/V or Port Collar		Mud CLR 48
		CFL-117 or CD110 CAF 38
		Sand
31630' -	25 SKS	Handling
1215' -	40 SKS	Mileage
485' -	80 SKS	
40' -	10 SKS	

FLOAT EQUIPMENT

		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down

8 5/8" - DEL. HOLE PLUG

		Pumptrk Charge
		Mileage
		Tax
		Discount
		Total Charge

X Signature *[Signature]*