



KANSAS CORPORATION COMMISSION 1131180
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: _____



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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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
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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 <i>(Explain)</i> _____
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

B & B #1

27-25s-4w Reno,KS

Start Date: 2013.01.21 @ 02:05:15

End Date: 2013.01.21 @ 07:55:30

Job Ticket #: 50879 DST #: 1

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

Printed: 2013.01.24 @ 10:45:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

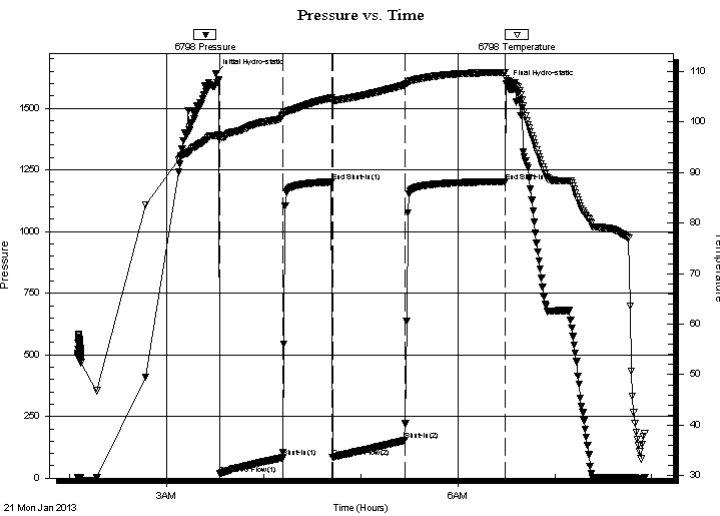
27-25s-4w Reno,KS
B & B #1
Job Ticket: 50879 **DST#: 1**
Test Start: 2013.01.21 @ 02:05:15

GENERAL INFORMATION:

Formation: **Lansing "K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:33:00
Time Test Ended: 07:55:30
Interval: **3196.00 ft (KB) To 3237.00 ft (KB) (TVD)**
Total Depth: 3237.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 45
Reference Elevations: 1523.00 ft (KB)
1516.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6798 Inside
Press @ Run Depth: 152.81 psig @ 3197.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.21 End Date: 2013.01.21 Last Calib.: 2013.01.21
Start Time: 02:05:16 End Time: 07:55:30 Time On Btm: 2013.01.21 @ 03:30:45
Time Off Btm: 2013.01.21 @ 06:30:00

TEST COMMENT: IF: Fair Blow , Built to 4 1/2 inches
IS: No Blow Back
FF: Fair Blow , Built to 4 inches
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.78	97.28	Initial Hydro-static
3	17.08	96.96	Open To Flow (1)
41	82.92	101.31	Shut-In(1)
72	1201.53	104.80	End Shut-In(1)
72	84.98	104.42	Open To Flow (2)
117	152.81	107.34	Shut-In(2)
179	1202.81	109.85	End Shut-In(2)
180	1597.74	108.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Water	3.37
20.00	MCW 25%M 75%W	0.28

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy

27-25s-4w Reno,KS

PO Box 252
Great Bend, KS 67530

B & B #1

Job Ticket: 50879

DST#: 1

ATTN: Jim Musgrove

Test Start: 2013.01.21 @ 02:05:15

Tool Information

Drill Pipe:	Length: 3193.00 ft	Diameter: 3.80 inches	Volume: 44.79 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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: 38000.00 lb
			<u>Total Volume: 44.79 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3196.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	61.00 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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Shut In Tool	5.00			3181.00	
Hydraulic tool	5.00			3186.00	
Packer	5.00			3191.00	20.00 Bottom Of Top Packer
Packer	5.00			3196.00	
Stubb	1.00			3197.00	
Recorder	0.00	6798	Inside	3197.00	
Recorder	0.00	8367	Outside	3197.00	
Perforations	4.00			3201.00	
Change Over Sub	1.00			3202.00	
Drill Pipe	31.00			3233.00	
Change Over Sub	1.00			3234.00	
Bullnose	3.00			3237.00	41.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

27-25s-4w Reno,KS

PO Box 252
Great Bend, KS 67530

B & B #1

Job Ticket: 50879

DST#: 1

ATTN: Jim Musgrove

Test Start: 2013.01.21 @ 02:05:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity: 110000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
240.00	Water	3.367
20.00	MCW 25%M 75%W	0.281

Total Length: 260.00 ft Total Volume: 3.648 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

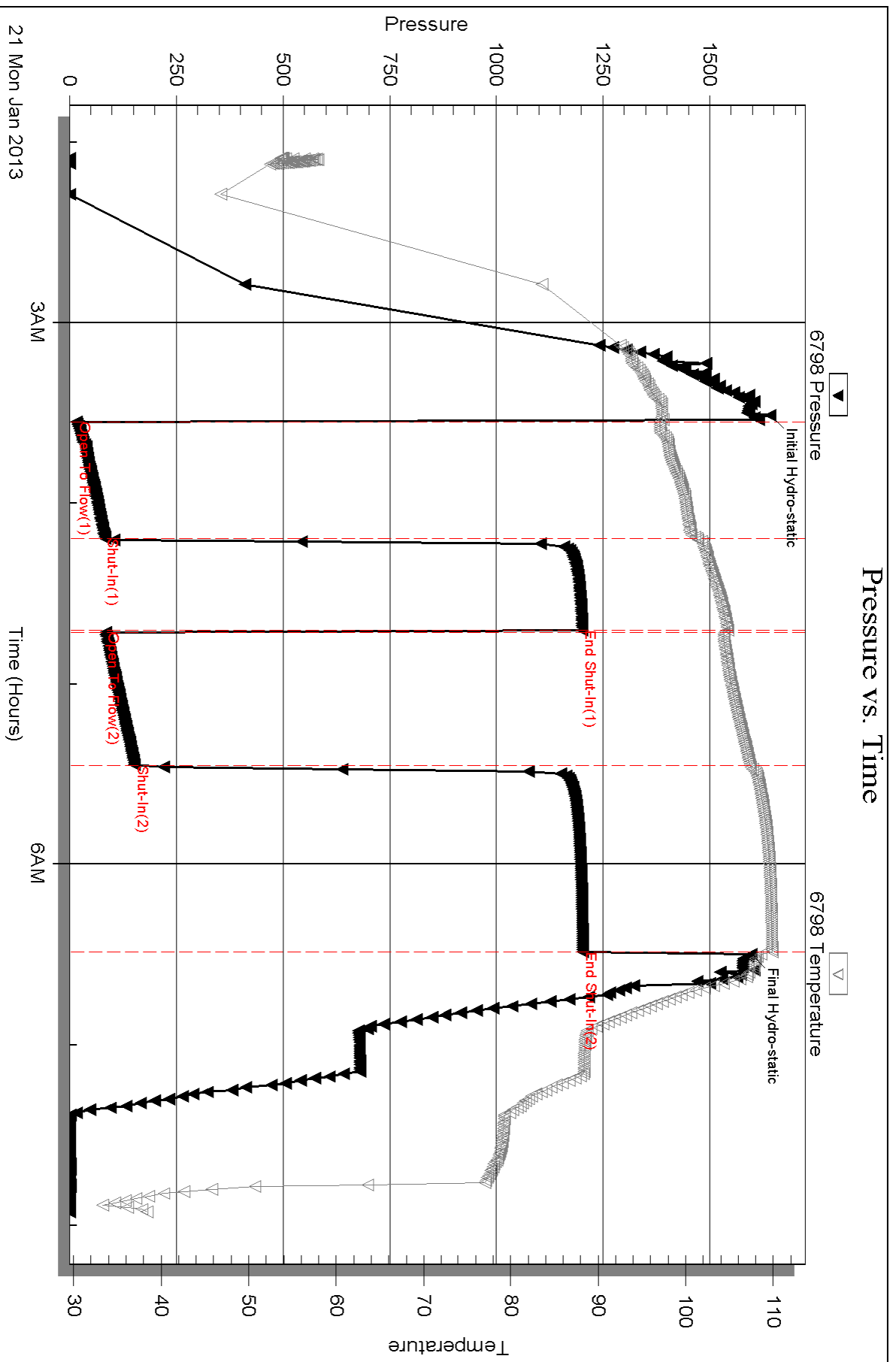
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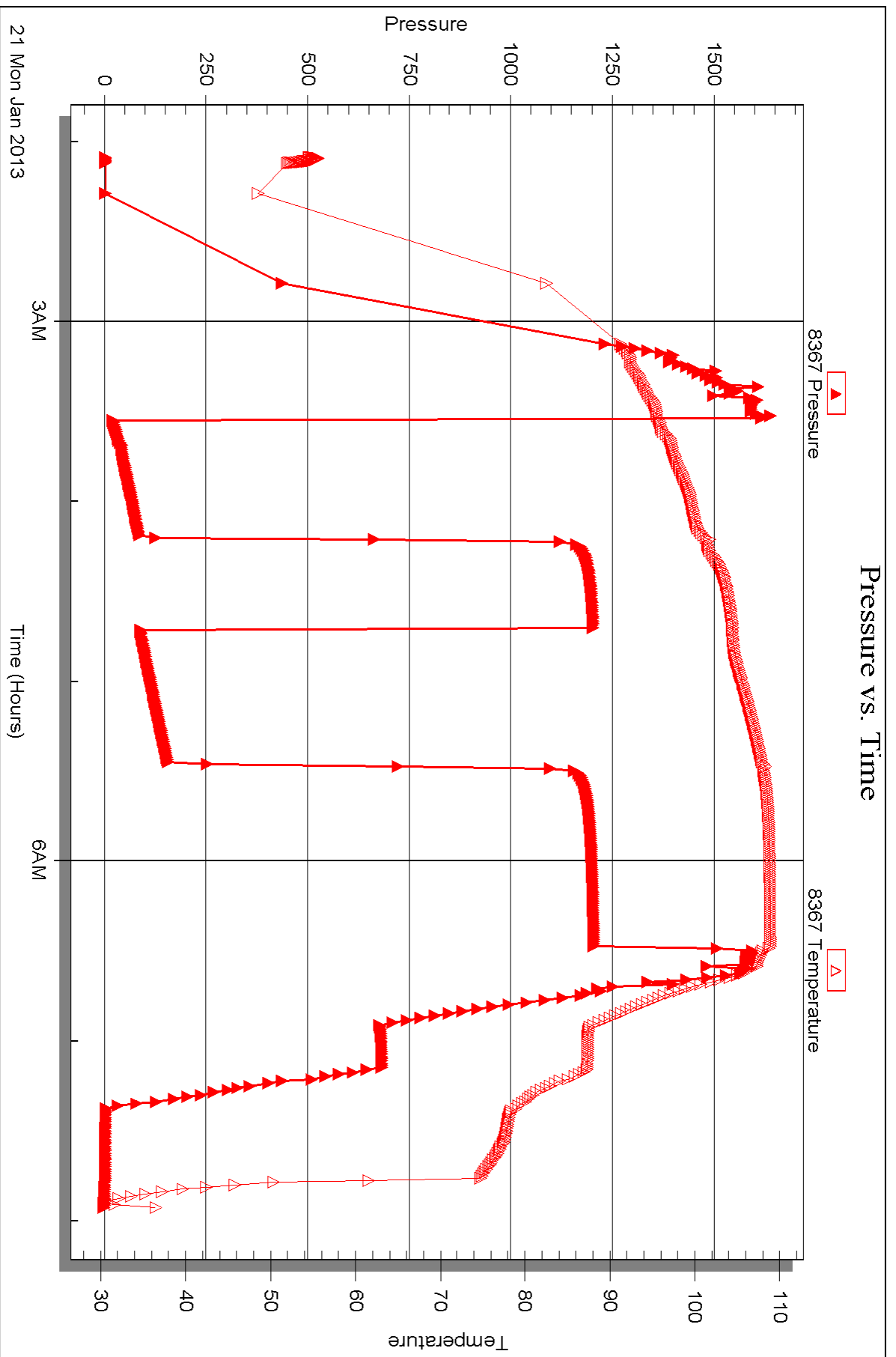
Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .16 @ 35 degrees

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

B & B #1

27-25s-4w Reno,KS

Start Date: 2013.01.23 @ 17:54:10

End Date: 2013.01.24 @ 00:58:25

Job Ticket #: 50880 DST #: 2

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

Printed: 2013.01.24 @ 10:43:20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

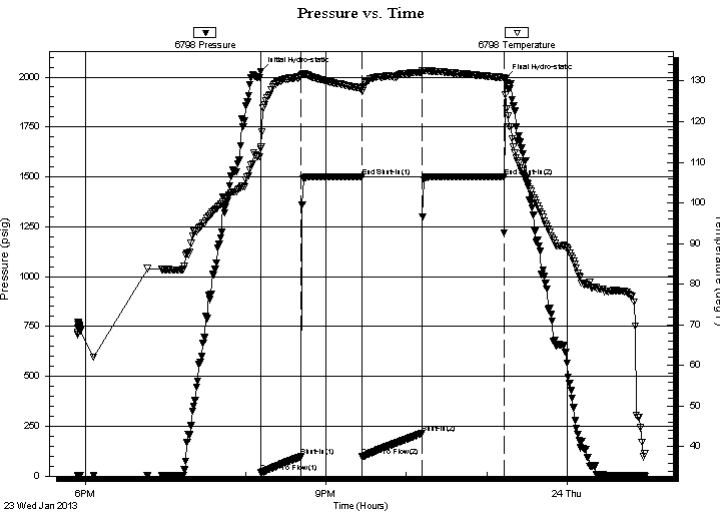
27-25s-4w Reno,KS
B & B #1
Job Ticket: 50880 **DST#: 2**
Test Start: 2013.01.23 @ 17:54:10

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 20:11:25 Tester: Leal Cason
Time Test Ended: 00:58:25 Unit No: 45
Interval: 4085.00 ft (KB) To 4089.00 ft (KB) (TVD) Reference Elevations: 1523.00 ft (KB)
Total Depth: 4089.00 ft (KB) (TVD) 1516.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 6798 Inside
Press @ Run Depth: 215.65 psig @ 4086.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.23 End Date: 2013.01.24 Last Calib.: 2013.01.24
Start Time: 17:54:11 End Time: 00:58:25 Time On Btm: 2013.01.23 @ 20:10:55
Time Off Btm: 2013.01.23 @ 23:13:55

TEST COMMENT: IF: Fair Blow , Built to 7 1/2 inches
IS: No Blow Back
FF: Fair Blow , Built to 6 inches
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2029.19	113.38	Initial Hydro-static
1	20.19	113.88	Open To Flow (1)
31	97.28	131.25	Shut-In(1)
76	1502.03	128.18	End Shut-In(1)
76	97.30	127.56	Open To Flow (2)
121	215.65	132.16	Shut-In(2)
182	1501.79	130.82	End Shut-In(2)
183	1991.15	126.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
439.00	Water	6.16

* 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

27-25s-4w Reno,KS

PO Box 252
Great Bend, KS 67530

B & B #1

Job Ticket: 50880

DST#: 2

ATTN: Jim Musgrove

Test Start: 2013.01.23 @ 17:54:10

Tool Information

Drill Pipe:	Length: 4071.00 ft	Diameter: 3.80 inches	Volume: 57.11 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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:	40000.00 lb
			<u>Total Volume: 57.11 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	4085.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	4.00 ft				
Tool Length:	25.00 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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Shut In Tool	5.00			4069.00	
Hydraulic tool	5.00			4074.00	
Packer - Shale	6.00			4080.00	
Packer	5.00			4085.00	21.00 Bottom Of Top Packer
Stubb	1.00			4086.00	
Recorder	0.00	6798	Inside	4086.00	
Recorder	0.00	8367	Outside	4086.00	
Bullnose	3.00			4089.00	4.00 Anchor Tool

Total Tool Length: 25.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

27-25s-4w Reno,KS

PO Box 252
Great Bend, KS 67530

B & B #1

Job Ticket: 50880

DST#: 2

ATTN: Jim Musgrove

Test Start: 2013.01.23 @ 17:54:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

65000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 55000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
439.00	Water	6.158

Total Length: 439.00 ft Total Volume: 6.158 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

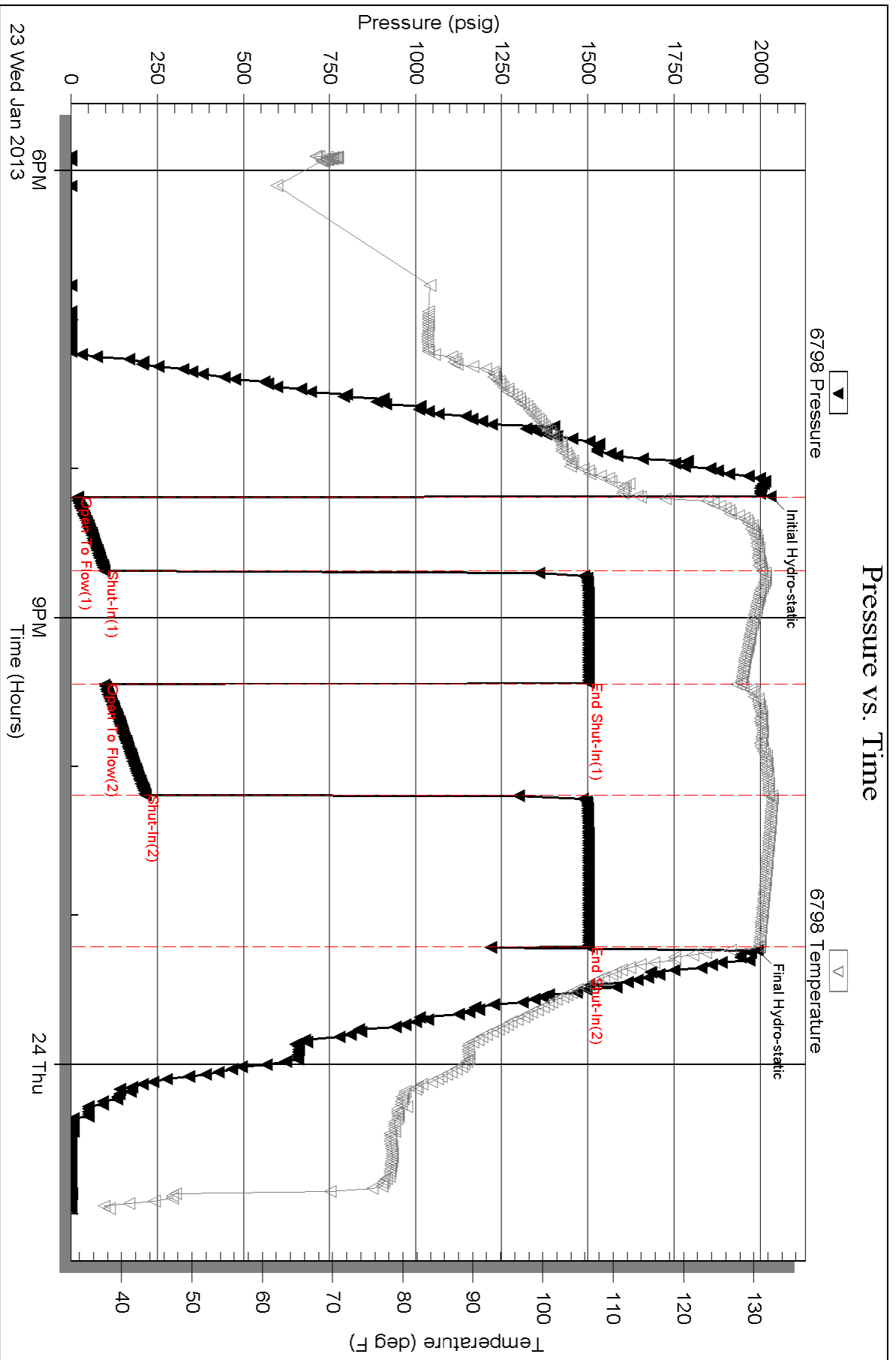
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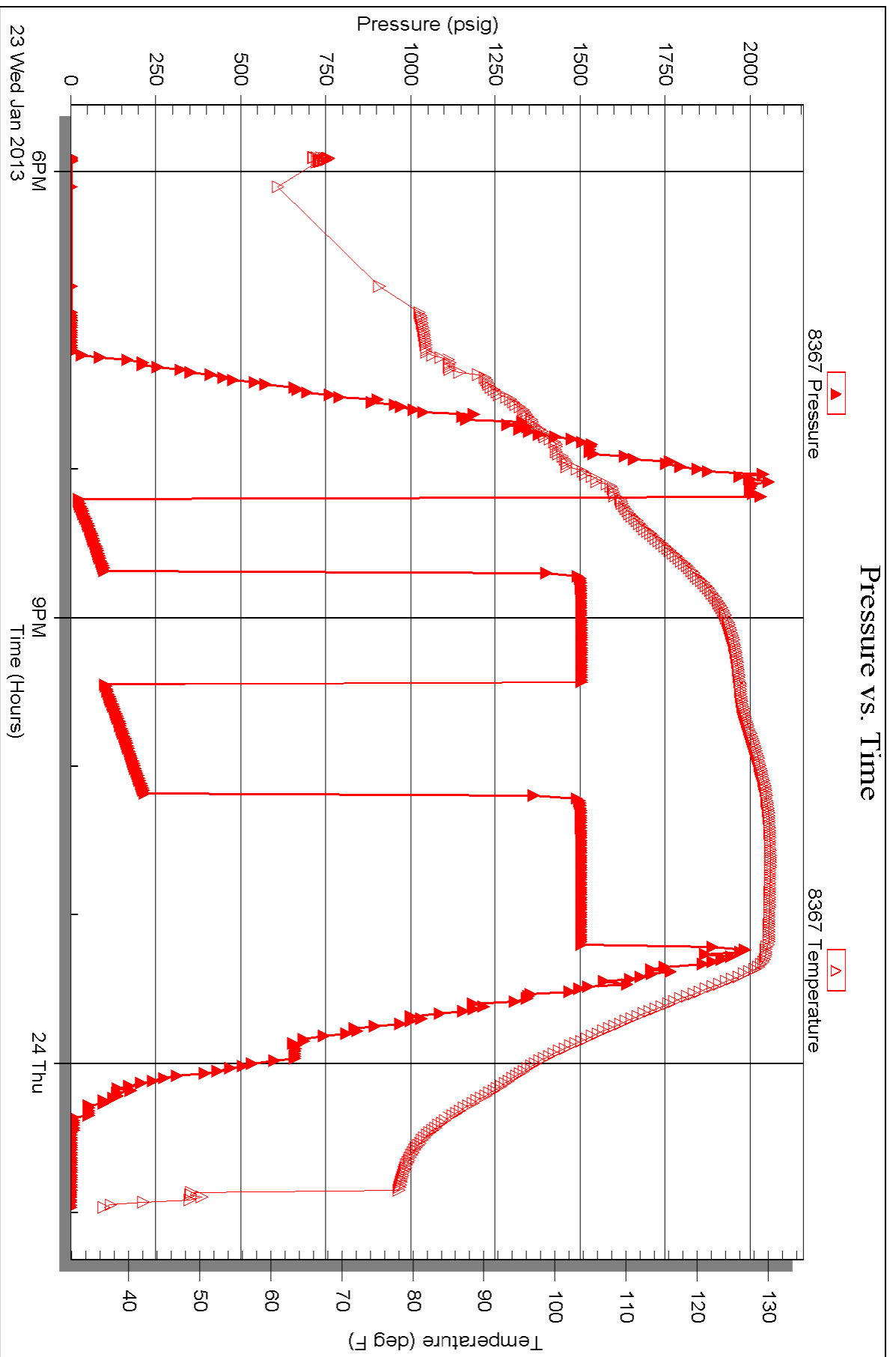
Laboratory Name:

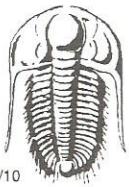
Laboratory Location:

Recovery Comments: RW w as .18 @ 46 degrees

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50879

Well Name & No. B + B 1 Test No. 1 Date 01/21/13
 Company Charter Energy INC Elevation 1523 KB 1516 GL
 Address PO BOX 252 Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal 2
 Location: Sec. 27 Twp. 25S Rge. 4W Co. Reno State KS

Interval Tested 3196 - 3237 Zone Tested Lansing "K"
 Anchor Length 41 Drill Pipe Run 3193 Mud Wt. 9.5
 Top Packer Depth 3191 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3196 Wt. Pipe Run 0 WL 7.2
 Total Depth 3237 Chlorides 5200 ppm System LCM 1

Blow Description IF: Fair Blow, Built to 4 1/2 inches
ISI: NO Blow Back
FF: Fair Blow Built to 4 inches
FSD: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>MCW</u>		<u>75</u>	<u>25</u>	
<u>240</u>	<u>Water</u>				

Rec Total 260 BHT 109 Gravity NIC API RW .16 @ 35 °F Chlorides 110,000 ppm

(A) Initial Hydrostatic <u>1642</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>01:30</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars	T-Started <u>02:05</u>
(C) First Final Flow <u>83</u>	<input type="checkbox"/> Safety Joint	T-Open <u>03:33</u>
(D) Initial Shut-In <u>1202</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>06:29</u>
(E) Second Initial Flow <u>85</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>07:55</u>
(F) Second Final Flow <u>153</u>	<input checked="" type="checkbox"/> Mileage <u>140</u> 217	Comments
(G) Final Shut-In <u>1203</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1598</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Initial Open <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	Total <u>1367</u>
Final Flow <u>45</u>	Sub Total <u>1367</u>	MP/DST Disc't
Final Shut-In <u>60</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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50880

4/10

Well Name & No. B+B 1 Test No. 2 Date 01/23/13
 Company Charter Energy inc Elevation 1523 KB 1516 GL
 Address PO Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Kurt Talbot Rig Royal 2
 Location: Sec. 27 Twp. 25S Rge. 4W Co. Reno State KS

Interval Tested 4085 - 4089 Zone Tested Viola
 Anchor Length 4 Drill Pipe Run 4071 Mud Wt. 9.6
 Top Packer Depth 4080 Drill Collars Run 0 Vis 46
 Bottom Packer Depth 4085 Wt. Pipe Run 0 WL 9.2
 Total Depth 4089 Chlorides 5500 ppm System LCM

Blow Description IF: Fair Blow, Built to 7 1/2 inches
ISI: No Blow Back

FF: Fair Blow, Built to 6 inches

FSI: No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>439</u>	<u>water</u>				

Rec Total 439 BHT 130 Gravity NIC API RW .18 @ 46 °F Chlorides 65000 ppm

(A) Initial Hydrostatic <u>2029</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>17:15</u>
(B) First Initial Flow <u>20</u>	<input type="checkbox"/> Jars	T-Started <u>17:54</u>
(C) First Final Flow <u>97</u>	<input type="checkbox"/> Safety Joint	T-Open <u>20:11</u>
(D) Initial Shut-In <u>1502</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>23:12</u>
(E) Second Initial Flow <u>97</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>00:58</u>
(F) Second Final Flow <u>216</u>	<input checked="" type="checkbox"/> Mileage <u>(140)</u> 217	Comments
(G) Final Shut-In <u>1502</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1991</u>	<input type="checkbox"/> Straddle	
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>1108.33</u>
Final Flow <u>45</u>	<input checked="" type="checkbox"/> Day Standby <u>1 1/2</u> 1d 33.25	Total <u>2825.33</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1717</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.

ALLIED OIL & GAS SERVICES, LLC 059251

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
West Bend, Va

DATE <u>1-16-13</u>	SEC. <u>27</u>	TWP. <u>25</u>	RANGE <u>4</u>	CALLED OUT <u>2:00 PM</u>	ON LOCATION <u>4:00 PM</u>	JOB START <u>9:30 PM</u>	JOB FINISH <u>10:00 PM</u>
LEASE <u>B+B</u>	WELL # <u>1</u>	LOCATION <u>Haven, 4 South on Haven</u>				COUNTY <u>Reno</u>	STATE <u>Ka</u>
OLD OR NEW (Circle one)		<u>RD to Fountain Green Rd, 1 East 1 Nord.</u> <u>3/4 East south into</u>					

CONTRACTOR Royal Dely

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 177'

CASING SIZE 8 5/8" DEPTH 177.45'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 10.31 bbls

OWNER Same

CEMENT AMOUNT ORDERED 110 lbs Class A

3% cc, 2% def

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Tom Dickson

316 HELPER Kevin Eddy

BULK TRUCK

341 DRIVER Kevin Weighaus

BULK TRUCK

_____ DRIVER _____

REMARKS:

Ran 177' of 8 5/8" csg. Hooped up to Rig
Pump + Brake Circulation, Mixed 110
lb Class A 3% cc, 2% def. Displaced
with 10.31 bbls of fresh H₂O.

Cement did circulate

CHARGE TO: Charter Energy

STREET P.O. Box 252

CITY West Bend STATE Ka ZIP 67530

[Signature]

To: Allied Oil & Gas Services, LLC.

TOTAL _____

SERVICE

DEPTH OF JOB 177.45'

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

ALLIED OIL & GAS SERVICES, LLC 059277

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend, KS

DATE <u>1-24-13</u>	SEC. <u>27</u>	TWP. <u>25S</u>	RANGE <u>4W</u>	CALLED OUT <u>2:00 AM</u>	ON LOCATION <u>4:25 AM</u>	JOB START	JOB FINISH
LEASE <u>B+B</u>	WELL # <u>1</u>	LOCATION <u>96 E to Haven. Haven Rd 5.3 mile. E 1/2 mi. south into location.</u>			COUNTY <u>Reno</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Royal 2
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8" T.D. 4157 ft
 CASING SIZE 8 7/8" 23# DEPTH 177 ft
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2" 11.6" DEPTH 700 ft
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT Fresh Water

OWNER Charter Energy
 CEMENT AMOUNT ORDERED 175 sa 60/40 + 4% G-1 + 12 7/8" F10-Seal

EQUIPMENT
 PUMP TRUCK CEMENTER Charles E King
 # 398 HELPER Josh Isaac
 BULK TRUCK DRIVER Alan Gemeny
 # 341
 BULK TRUCK DRIVER _____
 # _____

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

REMARKS:
 Set Plug 1 @ 700ft: 6FW, 9cm, 5FW (35sy)
 Set Plug 2 @ 350ft: 6FW, 9cm, 1FW (25sy)
~~Set Plug 3 @ 220ft: 6FW, 9cm, 1FW (25sy)~~
 Set Plug 4 @ 60ft: 6cm (12sy)
 Plug Ret Hole with 11 bbls cement (25sy)
 Plug Mouse Hole with 4 bbls cement (20sy)

CHARGE TO: Charter Energy
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____
PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

Date 1-24-13 District Great Bend Ticket No. 059277
 Company Charter Energy Rig Royal 2
 Lease B+B Well No. 1
 County Reno State KS
 Location _____ Field _____

CEMENT DATA:
 Spacer Type: Fresh Water
 Amt. 9 bbl Sks Yield _____ ft³/sk Density 8.34 PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8" Type _____ Weight 23 Collar _____

LEAD: Pump Time _____ hrs. Type 60/140 + 4% Gel
7.250/sk Flo-Sect Excess _____
 Amt. 175 Sks Yield 1.41 ft³/sk Density 14.5 PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 6.7 gals/sk Tail _____ gals/sk Total 30 Bbls.

Casing Depths: Top 0 Bottom 177

Pump Trucks Used 398
 Bulk Equip. 341

Drill Pipe: Size 4 1/2" Weight 16.6 Collars _____
 Open Hole: Size 7 7/8" T.D. 700 ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0636 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. 70.32
 Annulus: OH Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.6474
CS Bbls/Lin. ft. .0440 Lin. ft./Bbl. 22.72
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE Colin Roush

CEMENTER [Signature]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
4:25 AM						Arrive Location
7:37 PM	50		6	6	2	Fresh Water
7:42 PM	50		15	9	2	Plug 1 Cement
7:44 PM	50		20	5	2	Displace with Fresh Water
7:52 PM						POBH
8:04 PM	50		26	6	3	Fresh Water
8:06 PM	50	43.5	34.5	9.5	3	Plug 2 Cement
8:11 PM	50	44	35	0.5	3	Displace
8:16 PM						POBH
			41	6		Fresh Water
			50	9		Plug 3 Cement
			50.5	2.5		Displace
						POBH
8:56 PM			50.0	6		Cement Surface
9:09 PM			56.0	6		Cement Rat Hole
9:13 PM			61.0	5		Cement Mouse Hole
9:25 PM						Rig Down
10:00 PM						Leave Location