



KANSAS CORPORATION COMMISSION 1094514
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9090
Name: Charter Energy, Inc.
Address 1: PO BOX 252
Address 2: _____
City: GREAT BEND State: KS Zip: 67530 + 0252
Contact Person: Steve Baize
Phone: (620) 793-9090
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Jim Musgrove
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>06/28/2012</u>	<u>07/05/2012</u>	<u>07/11/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-145-21674-00-00

Spot Description: _____

NW SE NW NE Sec. 26 Twp. 20 S. R. 16 East West
740 Feet from North / South Line of Section
1660 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Pawnee

Lease Name: CJ&M 'A' Well #: 1

Field Name: _____

Producing Formation: Arbuckle

Elevation: Ground: 2032 Kelly Bushing: 2039

Total Depth: 3874 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 1162 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: 79000 ppm Fluid volume: 800 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 Gantsov Date: 09/25/2012



1094514

Operator Name: Charter Energy, Inc. Lease Name: CJ&M 'A' Well #: 1
 Sec. 26 Twp. 20 S. R. 16 East West County: Pawnee

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 Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction, Density Neutron, Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1037</td> <td>+1002</td> </tr> <tr> <td>Heebner</td> <td>3368</td> <td>-1329</td> </tr> <tr> <td>Lansing</td> <td>3461</td> <td>-1422</td> </tr> <tr> <td>Arbuckle</td> <td>3748</td> <td>-1709</td> </tr> </table>	Name	Top	Datum	Anhydrite	1037	+1002	Heebner	3368	-1329	Lansing	3461	-1422	Arbuckle	3748	-1709
Name	Top	Datum														
Anhydrite	1037	+1002														
Heebner	3368	-1329														
Lansing	3461	-1422														
Arbuckle	3748	-1709														

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	1162	common	425	2%gel 3%cc
Production	7.875	5.5	14	3867	EA-2	175	n/a

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	-			

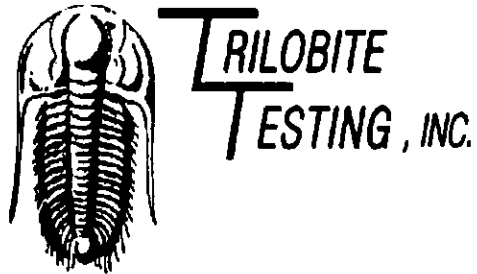
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

CJ&M "A" #1

26-20s-16w Pawnee,KS

Start Date: 2012.07.03 @ 14:11:26

End Date: 2012.07.03 @ 20:48:15

Job Ticket #: 47611 DST #: 1

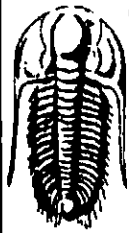
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.06 @ 15:47:03

Charter Energy Inc 26-20s-16w Pawnee,KS CJ&M "A" #1 DST # 1 Arbuckle 2012.07.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

26-20s-16w Pawnee,KS
CJ&M "A" #1
Job Ticket: 47611 **DST#: 1**
Test Start: 2012.07.03 @ 14:11:26

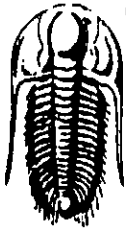
Tool Information

Drill Pipe:	Length: 3740.00 ft	Diameter: 3.80 inches	Volume: 52.46 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 52.46 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3750.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3728.00	
Hydraulic tool	5.00			3733.00	
Jars	5.00			3738.00	
Safety Joint	2.00			3740.00	
Packer	5.00			3745.00	27.00 Bottom Of Top Packer
Packer	5.00			3750.00	
Stubb	1.00			3751.00	
Recorder	0.00	6798	Inside	3751.00	
Recorder	0.00	8367	Outside	3751.00	
Perforations	6.00			3757.00	
Bullnose	3.00			3760.00	10.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

26-20s-16w Pawnee,KS
CJ&M "A" #1
Job Ticket: 47611 **DST#: 1**
Test Start: 2012.07.03 @ 14:11:26

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:	51000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

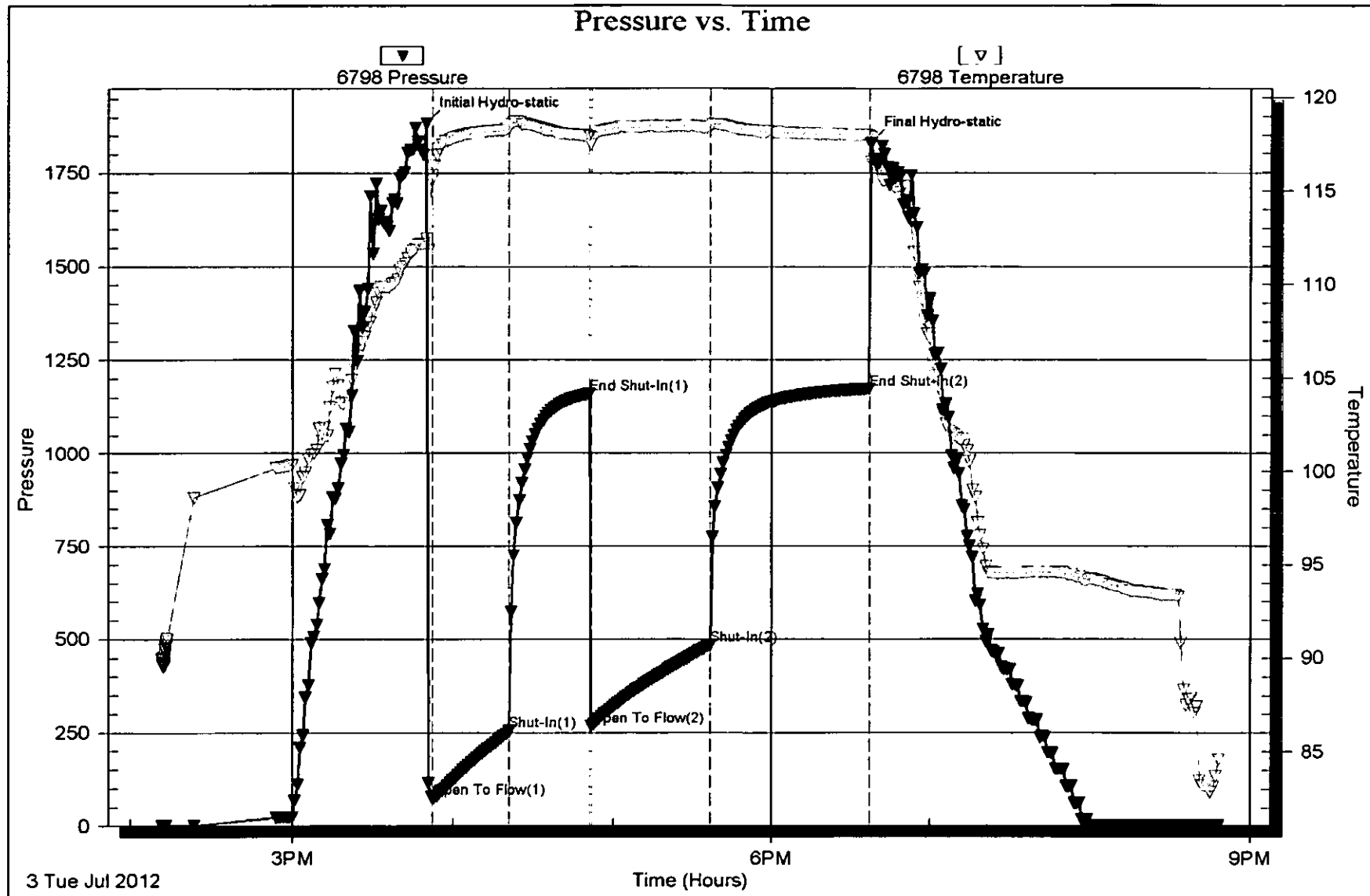
Length ft	Description	Volume bbl
0.00	120 GP	0.000
1054.00	Water	14.785
164.00	SOWCM 2%O 46%W 52%M	2.300

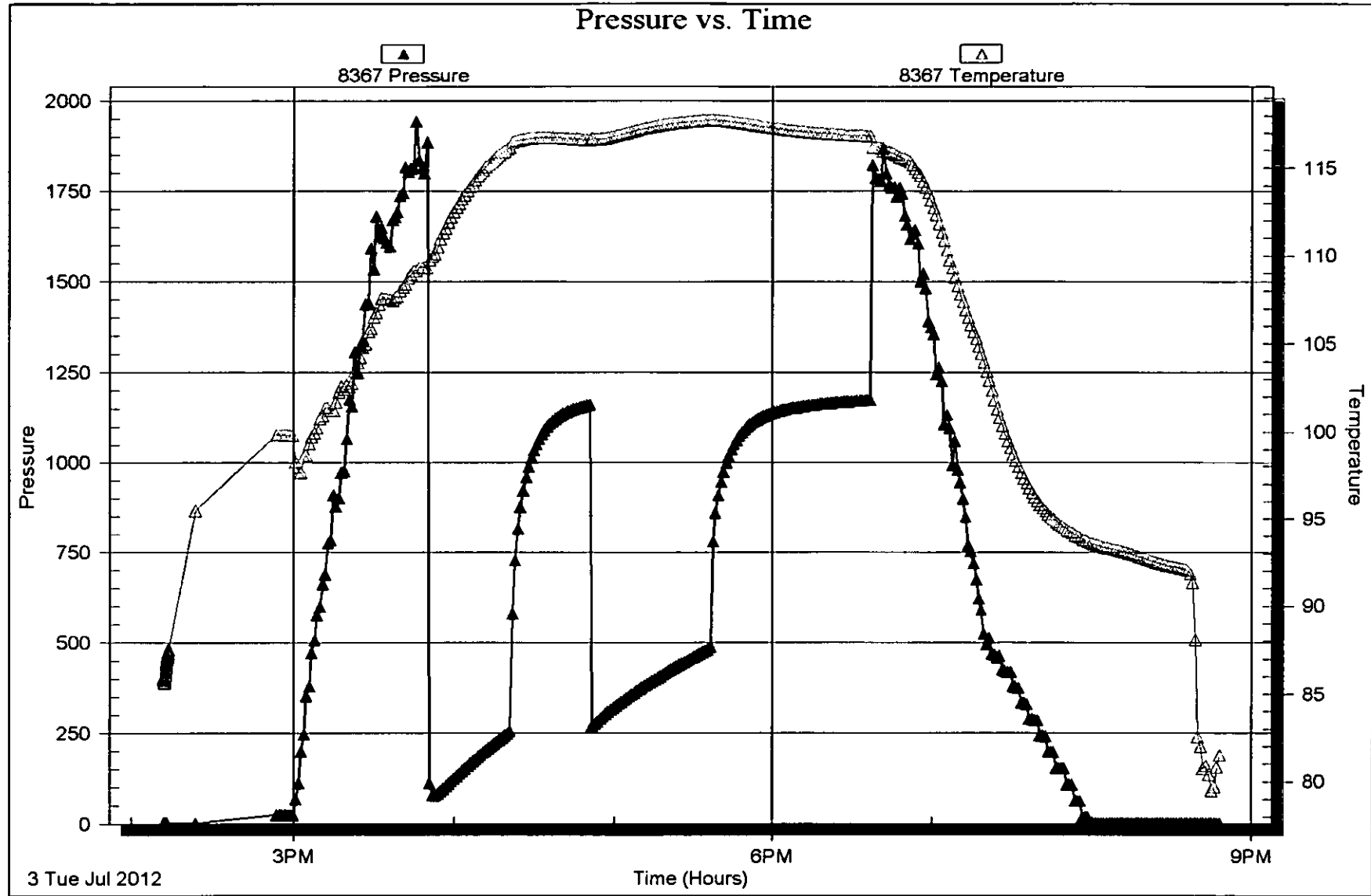
Total Length: 1218.00 ft Total Volume: 17.085 bbl

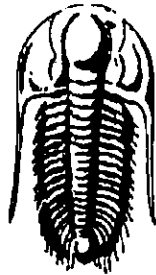
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW w as .11 @ 94 degrees







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

CJ&M "A" #1

26-20s-16w Pawnee,KS

Start Date: 2012.07.04 @ 01:27:15

End Date: 2012.07.04 @ 06:53:02

Job Ticket #: 47612 DST #: 2

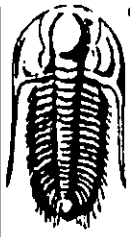
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.06 @ 15:45:54

Charter Energy Inc 26-20s-16w Pawnee,KS CJ&M "A" #1 DST # 2 Arfuckle 2012.07.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

26-20s-16w Pawnee,KS
CJ&M "A" #1
Job Ticket: 47612 **DST#: 2**
Test Start: 2012.07.04 @ 01:27:15

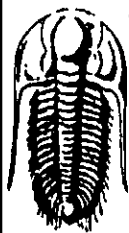
Tool Information

Drill Pipe:	Length: 3740.00 ft	Diameter: 3.80 inches	Volume: 52.46 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 52.46 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3762.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3740.00	
Hydraulic tool	5.00			3745.00	
Jars	5.00			3750.00	
Safety Joint	2.00			3752.00	
Packer	5.00			3757.00	27.00 Bottom Of Top Packer
Packer	5.00			3762.00	
Stubb	1.00			3763.00	
Recorder	0.00	6798	Inside	3763.00	
Recorder	0.00	8367	Outside	3763.00	
Perforations	9.00			3772.00	
Bullnose	3.00			3775.00	13.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

26-20s-16w Pawnee,KS
CJ&M "A" #1
Job Ticket: 47612 **DST#: 2**
Test Start: 2012.07.04 @ 01:27:15

Mud and Cushion Information

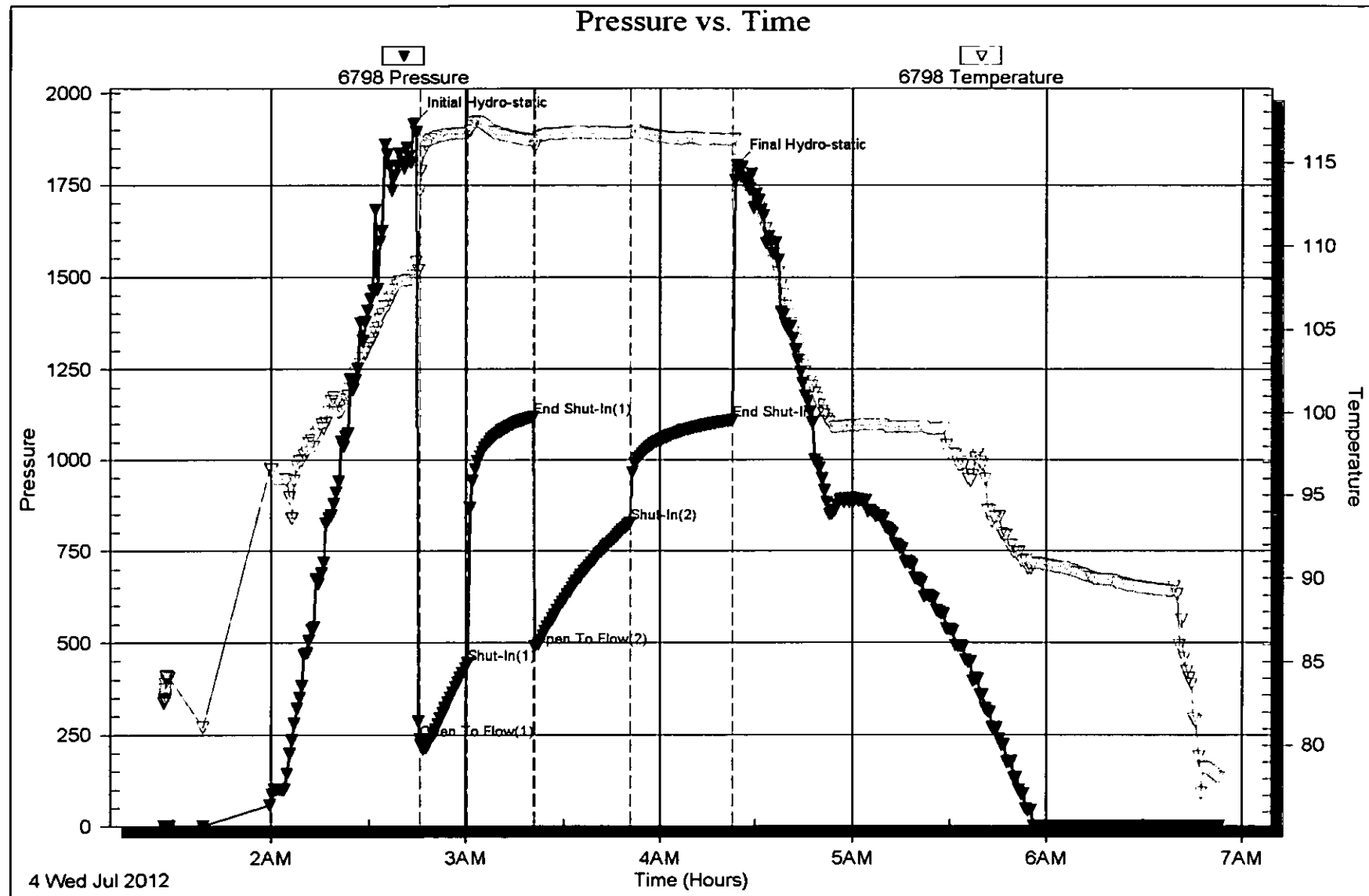
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	49000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 0.02 inches			

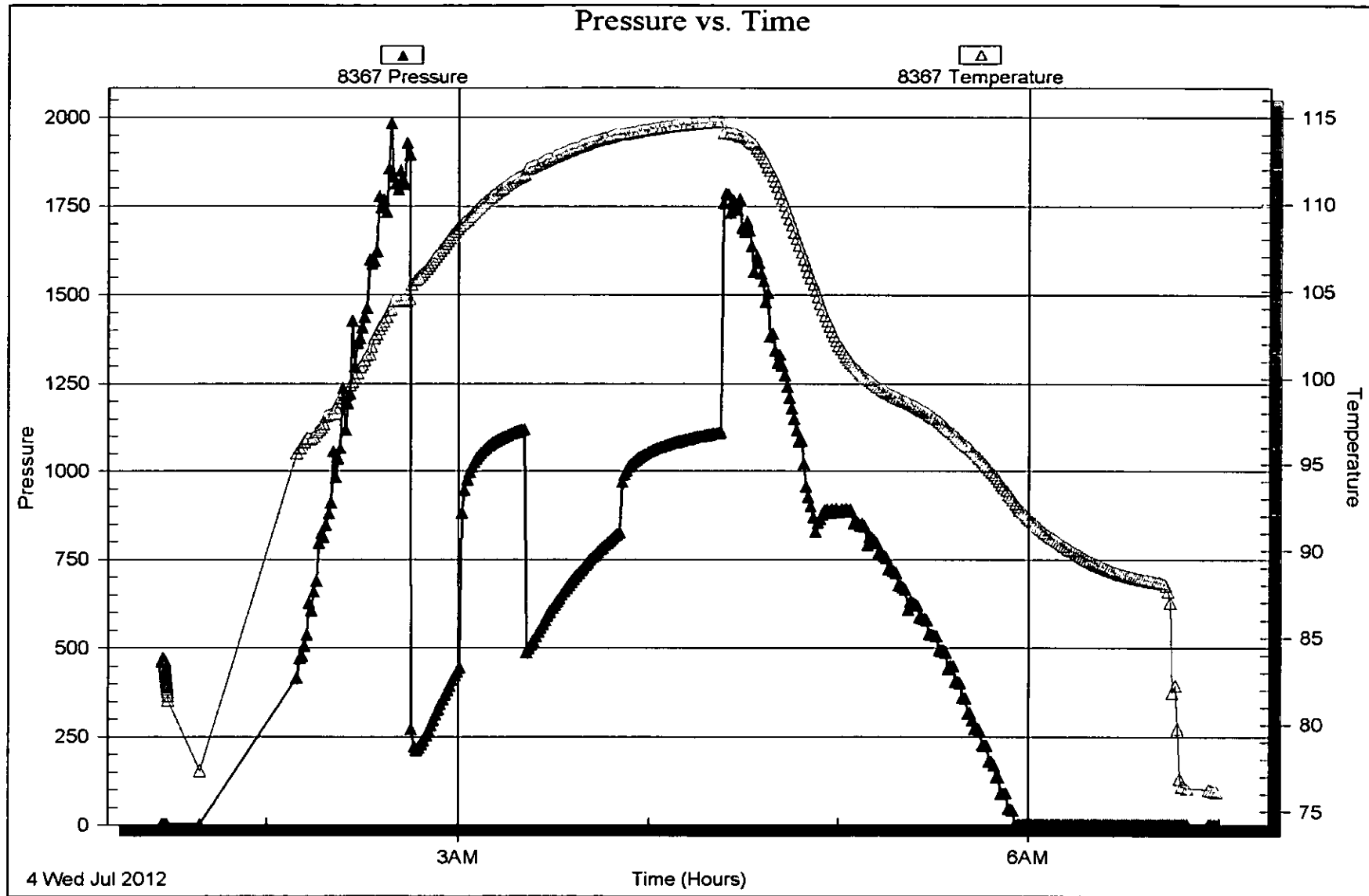
Recovery Information

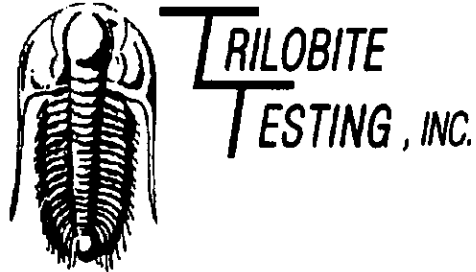
Recovery Table

Length ft	Description	Volume bbl
1426.00	Water	20.003
186.00	MOCW 5%M 10%O 85%W	2.609
186.00	GSY MOCW 25%G 5%M 30%O 40%W	2.609

Total Length: 1798.00 ft Total Volume: 25.221 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW w as .13 @ 85 degrees







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

CJ&M "A" #1

26-20s-16w Pawnee,KS

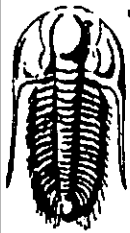
Start Date: 2012.07.04 @ 11:41:26

End Date: 2012.07.04 @ 17:28:11

Job Ticket #: 47613 DST #: 3

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

Printed: 2012.07.06 @ 15:45:09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

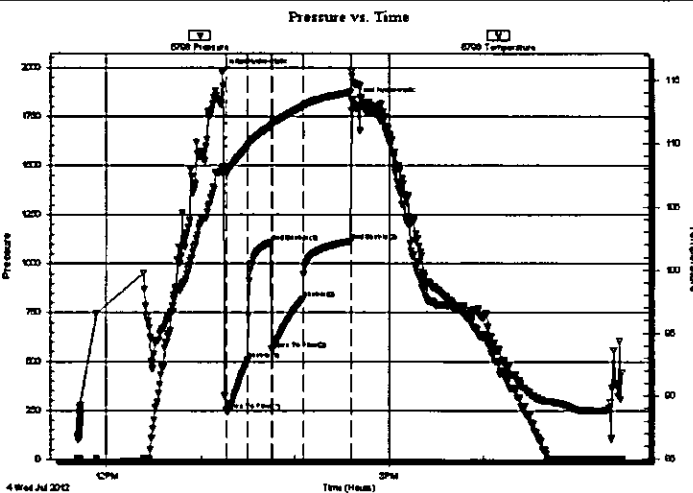
26-20s-16w Pawnee, KS
CJ&M "A" #1
Job Ticket: 47613 DST#: 3
Test Start: 2012.07.04 @ 11:41:26

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:15:56
Time Test Ended: 17:28:11
Interval: **3778.00 ft (KB) To 3791.00 ft (KB) (TVD)**
Total Depth: **3760.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Leal Cason**
Unit No: **45**
Reference Elevations: **2041.00 ft (KB)**
2034.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 6798 **Inside**
Press@RunDepth: **820.22 psig @ 3779.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.07.04** End Date: **2012.07.04** Last Calib.: **2012.07.04**
Start Time: **11:41:27** End Time: **17:28:11** Time On Btm: **2012.07.04 @ 13:13:41**
Time Off Btm: **2012.07.04 @ 14:36:26**

TEST COMMENT: IF: Strong Blow, BOB in 30 seconds
IS: 1 inch Blow Back
FF: Strong Blow, BOB in 1 minute
FS: 1 inch Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.55	107.90	Initial Hydro-static
3	250.54	107.72	Open To Flow (1)
17	507.16	109.73	Shut-In(1)
31	1108.25	111.35	End Shut-In(1)
32	564.06	111.39	Open To Flow (2)
52	820.22	112.90	Shut-In(2)
82	1113.30	114.03	End Shut-In(2)
83	1825.56	115.31	Final Hydro-static

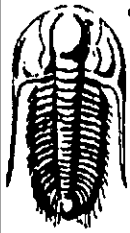
Recovery

Length (ft)	Description	Volume (bbl)
1356.00	Water	19.02
124.00	SOCW 5%O 95%W	1.74
318.00	GOMCW 15%G 5%O 10%M 70%W	4.46

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

26-20s-16w Pawnee,KS
CJ&M "A" #1
Job Ticket: 47613 **DST#: 3**
Test Start: 2012.07.04 @ 11:41:26

Tool Information

Drill Pipe:	Length: 3771.00 ft	Diameter: 3.80 inches	Volume: 52.90 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 52.90 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3778.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3756.00	
Hydraulic tool	5.00			3761.00	
Jars	5.00			3766.00	
Safety Joint	2.00			3768.00	
Packer	5.00			3773.00	27.00 Bottom Of Top Packer
Packer	5.00			3778.00	
Stubb	1.00			3779.00	
Recorder	0.00	6798	Inside	3779.00	
Recorder	0.00	8367	Outside	3779.00	
Perforations	9.00			3788.00	
Bullnose	3.00			3791.00	13.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

26-20s-16w Pawnee, KS
CJ&M "A" #1
Job Ticket: 47613 **DST#: 3**
Test Start: 2012.07.04 @ 11:41:26

Mud and Cushion Information

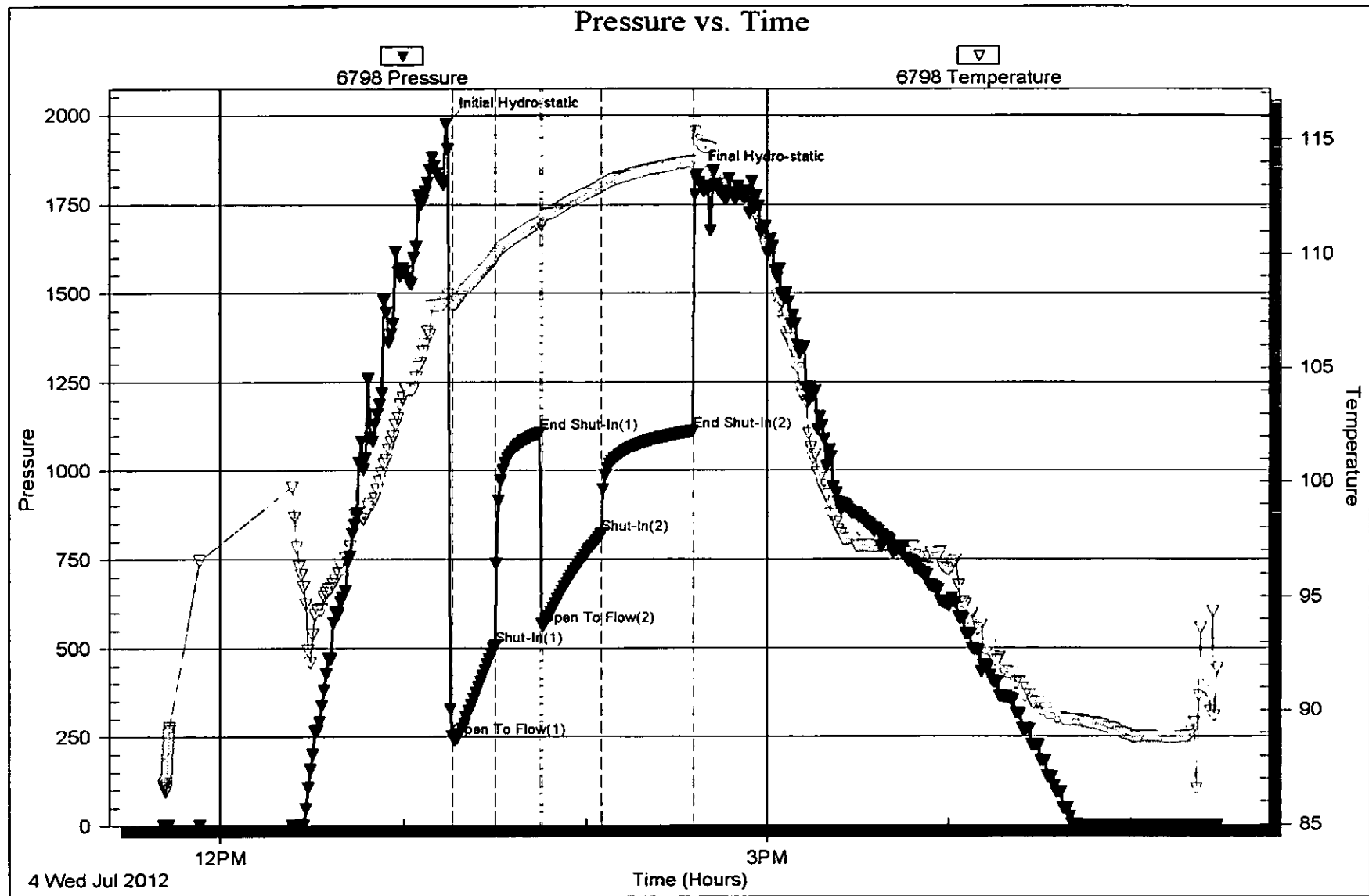
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	48000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8900.00 ppm			
Filter Cake: 0.02 inches			

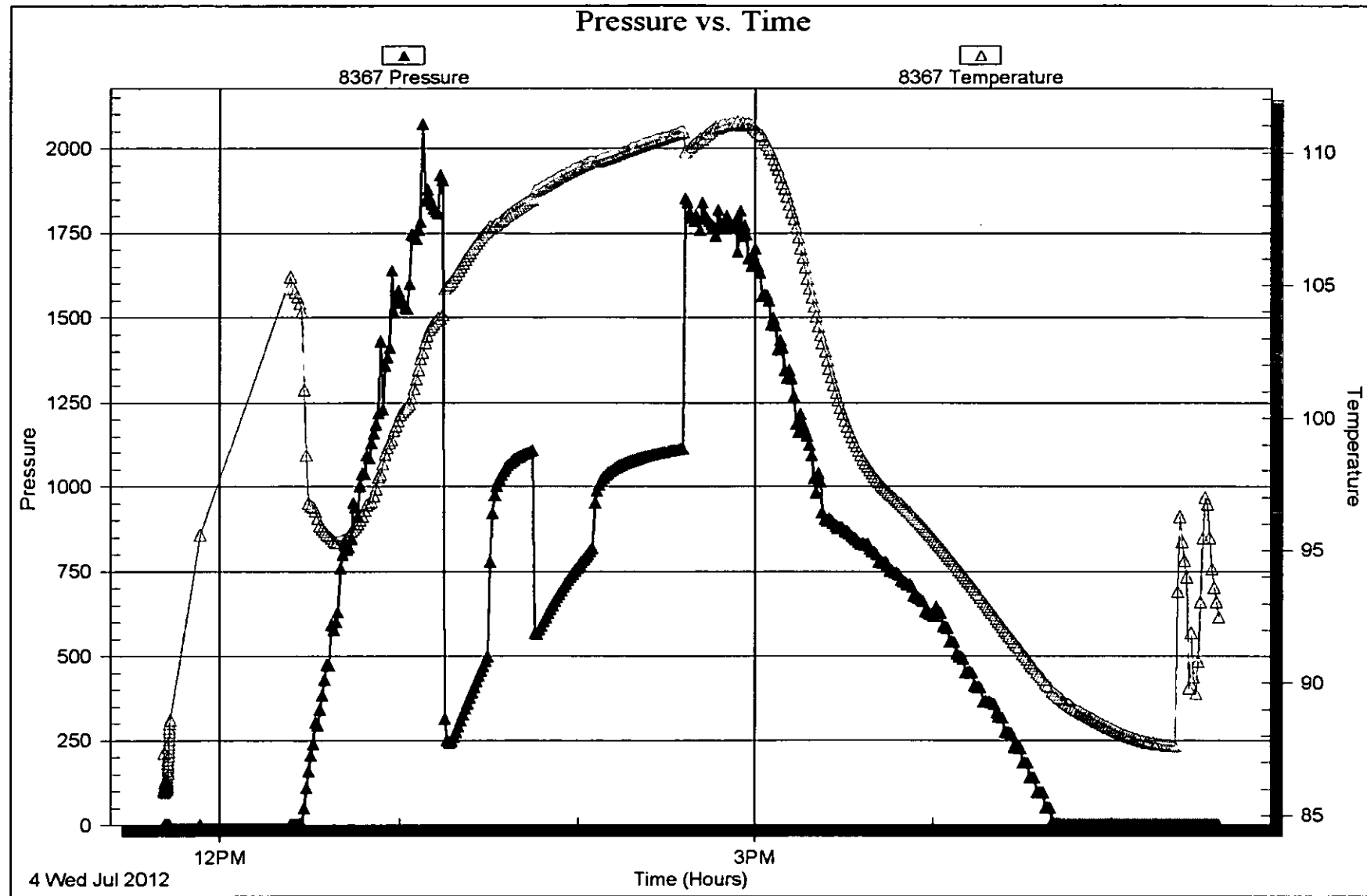
Recovery Information

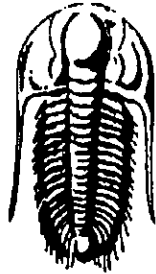
Recovery Table

Length ft	Description	Volume bbl
1356.00	Water	19.021
124.00	SOCW 5%O 95%W	1.739
318.00	GOMCW 15%G 5%O 10%M 70%W	4.461

Total Length: 1798.00 ft Total Volume: 25.221 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW w as .12 @ 90 degrees







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

CJ&M "A" #1

26-20s-16w Pawnee,KS

Start Date: 2012.07.04 @ 23:28:40

End Date: 2012.07.05 @ 05:30:49

Job Ticket #: 47614 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.06 @ 15:44:18

Charter Energy Inc 26-20s-16w Pawnee,KS CJ&M "A" #1 DST # 4 Arbuckle 2012.07.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

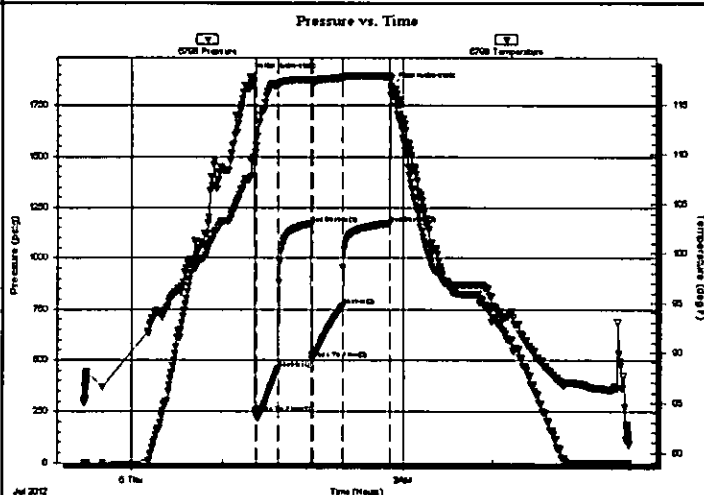
26-20s-16w Pawnee, KS
CJ&M "A" #1
Job Ticket: 47614 DST#: 4
Test Start: 2012.07.04 @ 23:28:40

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:22:10
Time Test Ended: 05:30:49
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 45
Interval: **3792.00 ft (KB) To 3804.00 ft (KB) (TVD)**
Reference Elevations: 2041.00 ft (KB)
Total Depth: 3804.00 ft (KB) (TVD) 2034.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 6798 Inside
Press@RunDepth: 765.60 psig @ 3793.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.04 End Date: 2012.07.05 Last Calib.: 2012.07.05
Start Time: 23:28:41 End Time: 05:30:49 Time On Btrn: 2012.07.05 @ 01:18:55
Time Off Btrn: 2012.07.05 @ 02:52:25

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds
IS: 2 inch Blow Back
FF: Strong Blow , BOB in 30 seconds
FS: BOB Blow Back in 8 minutes, GTS in 10 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1893.53	107.74	Initial Hydro-static
4	242.27	110.22	Open To Flow (1)
18	457.42	116.91	Shut-In(1)
41	1170.50	117.55	End Shut-In(1)
41	504.41	117.24	Open To Flow (2)
62	765.60	117.70	Shut-In(2)
93	1172.46	117.87	End Shut-In(2)
94	1846.76	117.68	Final Hydro-static

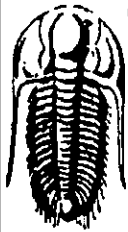
Recovery

Length (ft)	Description	Volume (bbl)
0.00	2025 GIP	0.00
1116.00	Water	15.65
124.00	OCW 10%O 90%W	1.74
372.00	GSY OWCM 15%G 15%O 30%W 40%M	5.22
134.00	GSY MWCO 10%G 5%M 35%W 50%O	1.88

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

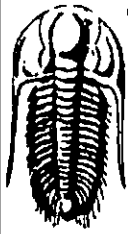
26-20s-16w Pawnee,KS
CJ&M "A" #1
Job Ticket: 47614 **DST#: 4**
Test Start: 2012.07.04 @ 23:28:40

Tool Information

Drill Pipe:	Length: 3771.00 ft	Diameter: 3.80 inches	Volume: 52.90 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 52.90 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3792.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3770.00	
Hydraulic tool	5.00			3775.00	
Jars	5.00			3780.00	
Safety Joint	2.00			3782.00	
Packer	5.00			3787.00	27.00 Bottom Of Top Packer
Packer	5.00			3792.00	
Stubb	1.00			3793.00	
Recorder	0.00	6798	Inside	3793.00	
Recorder	0.00	8367	Outside	3793.00	
Perforations	8.00			3801.00	
Bullnose	3.00			3804.00	12.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

26-20s-16w Pawnee,KS
CJ&M "A" #1
Job Ticket: 47614 DST#: 4
Test Start: 2012.07.04 @ 23:28:40

Mud and Cushion Information

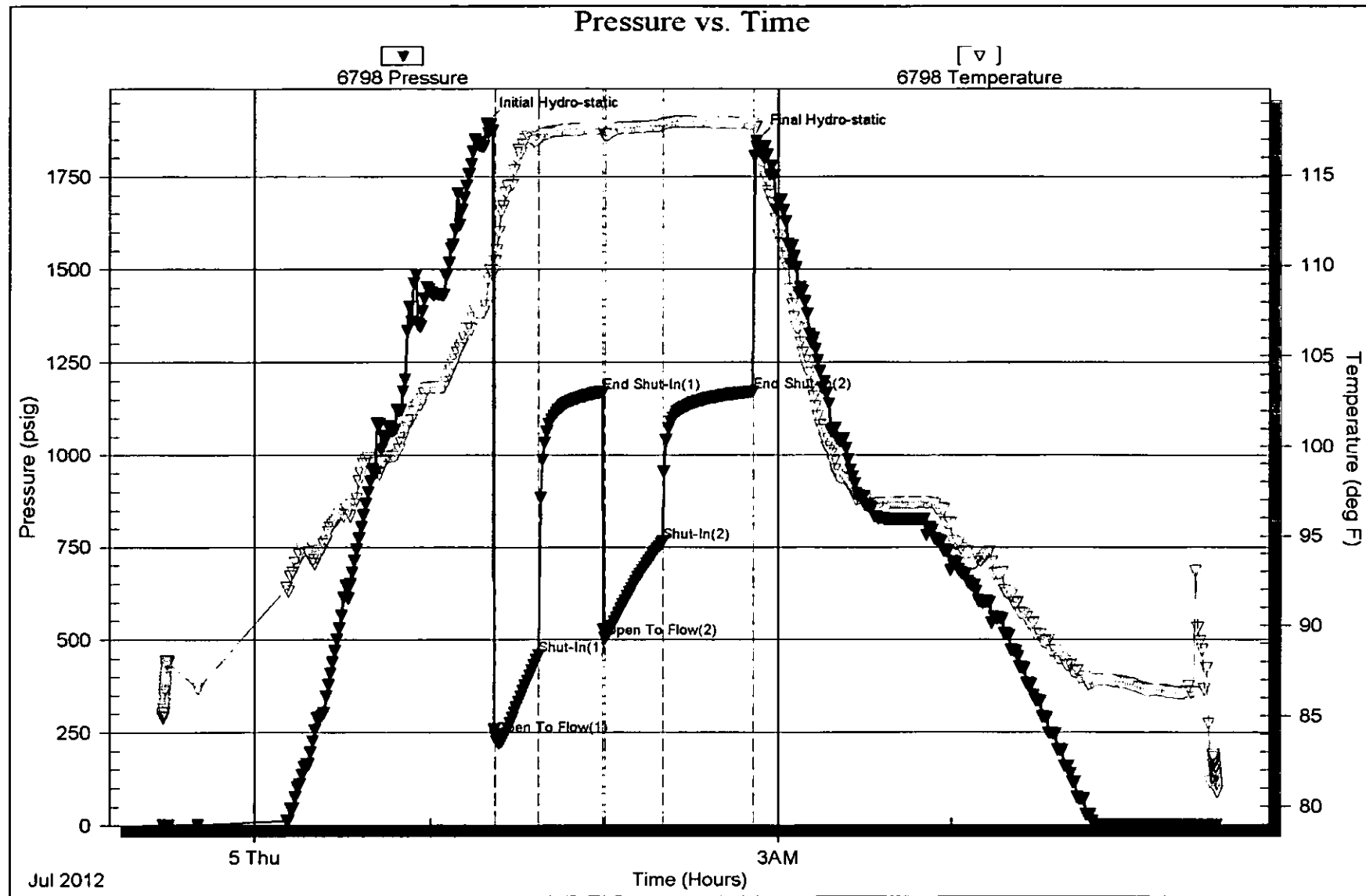
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	50000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8900.00 ppm			
Filter Cake: 0.02 inches			

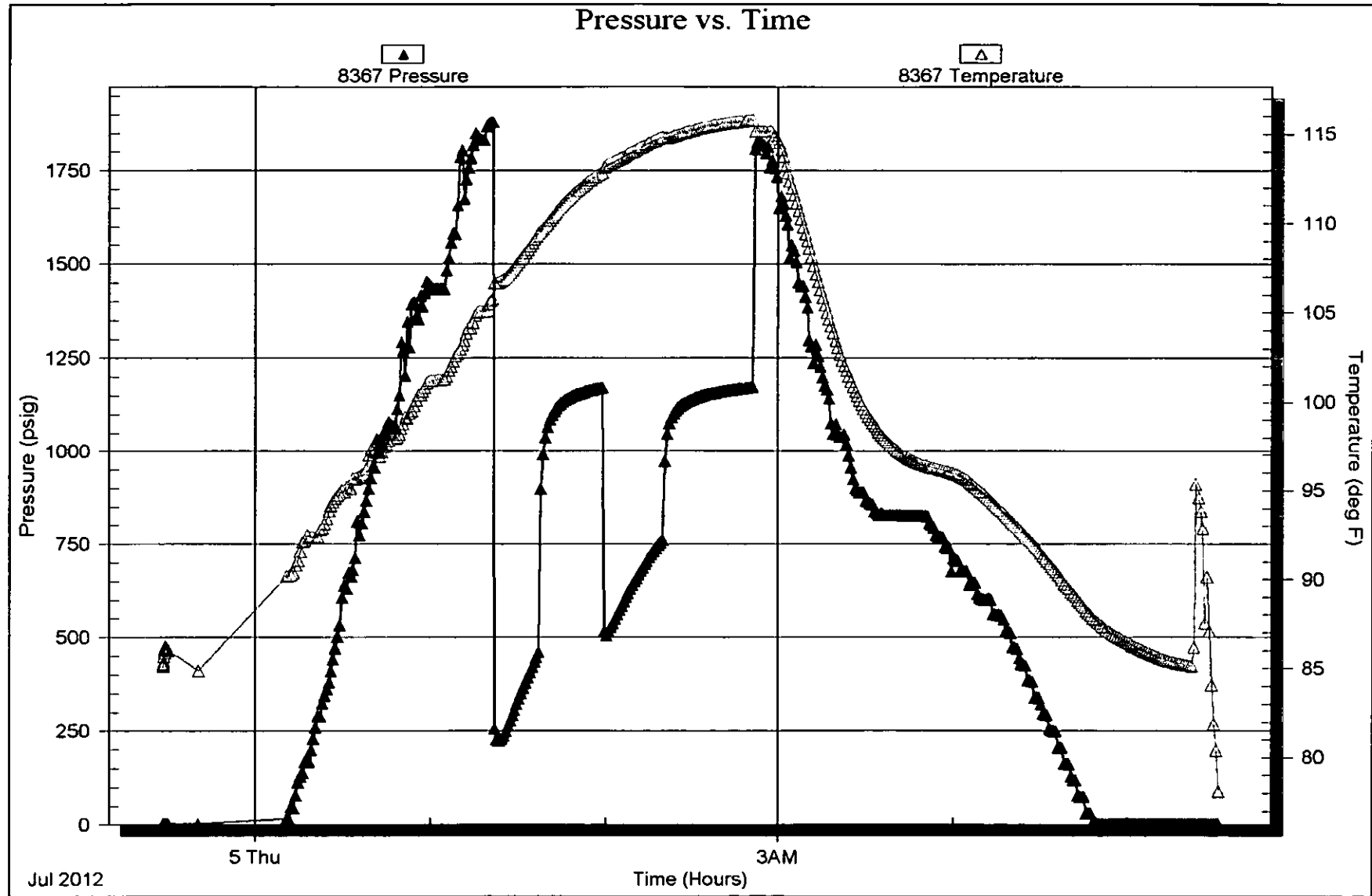
Recovery Information

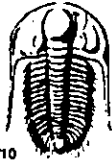
Recovery Table

Length ft	Description	Volume bbl
0.00	2025 GIP	0.000
1116.00	Water	15.655
124.00	OCW 10%O 90%W	1.739
372.00	GSY OWCM 15%G 15%O 30%W 40%M	5.218
134.00	GSY MWCO 10%G 5%M 35%W 50%O	1.880

Total Length: 1746.00 ft Total Volume: 24.492 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW was .14 @ 82 degrees







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47611

Well Name & No. CJM A1 Test No. 1 Date 07/03/12
 Company Charter Energy Inc Elevation 2041 KB ~~2034~~ 2034GL
 Address PO Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal 2
 Location: Sec. 26 Twp. 20S Rge. 11W Co. Pawnee State KS

Interval Tested 3750 - 3760 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run 3740 Mud Wt. 9.3
 Top Packer Depth 3745 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 3750 Wt. Pipe Run 0 WL 9.2
 Total Depth 3760 Chlorides 6500 ppm System LCM

Blow Description I.F. Strong Blow, BOB in 2 minutes

ISI: 1 inch Blow Back

FF: Fair Blow, BOB in 5 minutes

FSI: Weak Surface Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>GIP</u>				
<u>164</u>	<u>50 WCM</u>	<u>2</u>	<u>46</u>	<u>52</u>	
<u>1054</u>	<u>Water</u>				

Rec Total 1218 BHT 118 Gravity N/C API RW 11 @ 94 °F Chlorides 5100 ppm

(A) Initial Hydrostatic 1884 Test 1150 T-On Location 13:30
 (B) First Initial Flow 76 Jars 250 T-Started 14:11
 (C) First Final Flow 255 Safety Joint 75 T-Open 15:52
 (D) Initial Shut-In 1161 Circ Sub T-Pulled 18:37
 (E) Second Initial Flow 268 Hourly Standby T-Out 20:48
 (F) Second Final Flow 484 Mileage 130 114rt 176.70 Comments _____
 (G) Final Shut-In 1173 Sampler _____
 (H) Final Hydrostatic 1832 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 45 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 0
 Accessibility _____ Total _____
 Sub Total 1651.70 MP/DST Disc't _____

Approved By [Signature] 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. 47612

Well Name & No. CJM A 1 Test No. 2 Date 07/04/12
 Company Charter Energy inc Elevation 2041 KB 2034 GL
 Address PO Box 252 Great Bend, KS 67530
 Co. Rep/Geo. Jim Musgrove Rig Royal 2
 Location: Sec. 26 Twp. 20S Rge. 11W Co. Pawnee State KS

Interval Tested 3762 - 3775 Zone Tested Arbuckle
 Anchor Length 13 Drill Pipe Run 3740 Mud Wt. 9.3
 Top Packer Depth 3758 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 3762 Wt. Pipe Run 0 WL 9.2
 Total Depth 3775 Chlorides 6500 ppm System LCM

Blow Description IF: Strong Blow, BOB in 30 seconds
IST: 3 inch Blow Back
FF: Strong Blow, BOB in 1 minutes
FSI: Surface Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>GSY MOCW</u>	<u>25</u>	<u>30</u>	<u>40</u>	<u>5</u>
<u>186</u>	<u>MOCW</u>	<u>10</u>	<u>85</u>	<u>5</u>	<u>5</u>
<u>1426</u>	<u>water</u>				

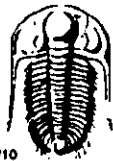
Rec Total 1798 BHT 116 Gravity N/C API RW .13 @ 85 °F Chlorides 49000 ppm

(A) Initial Hydrostatic <u>1918</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>01:15</u>
(B) First Initial Flow <u>238</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>01:27</u>
(C) First Final Flow <u>444</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>02:45</u>
(D) Initial Shut-In <u>1120</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>04:22</u>
(E) Second Initial Flow <u>490</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>06:53</u>
(F) Second Final Flow <u>828</u>	<input checked="" type="checkbox"/> Mileage <u>1309</u> 176.70	Comments _____
(G) Final Shut-In <u>1111</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1804</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>20</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1651.70</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1651.70</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 - Hays, Kansas 67601

Test Ticket

NO. 47613

Well Name & No. CJLM A 1 Test No. 3 Date 07/04/12
 Company Charter Energy Elevation 2041 KB 2034 GL
 Address PO BOX 252 Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal 2
 Location: Sec. 26 Twp. 20S Rge. 11 W Co. Pawnee State KS

Interval Tested 3778 - 3791 Zone Tested Arbuckle
 Anchor Length 13 Drill Pipe Run 3771 Mud Wt. 9.1
 Top Packer Depth 3773 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 3778 Wt. Pipe Run 0 WL 12.4
 Total Depth 3791 Chlorides 9900 ppm System LCM

Blow Description IF: Strong Blow, BOB in 30 seconds
IST: 1 inch Blow Back
EF: Strong Blow, BOB in 1 minute
EST: 1 inch Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>318</u>	<u>60 MCW</u>	<u>15</u>	<u>5</u>	<u>70</u>	<u>10</u>
<u>124</u>	<u>50 CW</u>		<u>5</u>	<u>95</u>	
<u>1356</u>	<u>Water</u>				

Rec Total 1798 BHT 115 Gravity N/C API RW 12 @ 90 °F Chlorides 48000 ppm

(A) Initial Hydrostatic 1976 Test _____ T-On Location 11:15
 (B) First Initial Flow 251 Jars 250 T-Started 11:41
 (C) First Final Flow 507 Safety Joint 75 T-Open 13:15
 (D) Initial Shut-In 1108 Circ Sub _____ T-Pulled 14:35
 (E) Second Initial Flow 564 Hourly Standby _____ T-Out 17:28
 (F) Second Final Flow 820 Mileage 1300 176.70 Comments _____
 (G) Final Shut-In 1113 Sampler _____
 (H) Final Hydrostatic 1825 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 15 Day Standby _____ Total 1651.70
 Final Flow 20 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1651.70

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47614

Well Name & No. CJM A1 Test No. 4 Date 07/04/12
 Company Charter Energy Elevation 2041 KB 2034 GL
 Address PO Box 35 Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Royal 2
 Location: Sec. 26 Twp. 20S Rge. 11W Co. Pawnee State KS

Interval Tested 3792 - 3804 Zone Tested Arbuckle
 Anchor Length 12 Drill Pipe Run 3771 Mud Wt. 9.0
 Top Packer Depth 2787 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3792 Wt. Pipe Run 0 WL 12.4
 Total Depth 3804 Chlorides 8900 ppm System LCM

Blow Description IF: Strong Blow, BOB in 30 seconds
ISI: 2 inch Blow Back
FF: Strong Blow, BOB in 30 seconds
FSI: BOB Blowback in 8 minutes, GTS in 10 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>2025</u>	<u>GIP</u>				
<u>134</u>	<u>GSK MWCO</u>	<u>10</u>	<u>50</u>	<u>35</u>	<u>5</u>
<u>372</u>	<u>GSY OWCM</u>	<u>15</u>	<u>15</u>	<u>30</u>	<u>40</u>
<u>124</u>	<u>OCW</u>	<u>10</u>	<u>90</u>		
<u>1116</u>	<u>WATER</u>				

Rec Total 1746 BHT 118 Gravity NC API RW 2.14 @ 82° F Chlorides 50,000 ppm

(A) Initial Hydrostatic 1893 Test T-On Location 23:00
 (B) First Initial Flow 242 Jars 250 T-Started 23:28
 (C) First Final Flow 457 Safety Joint 75 T-Open 01:22
 (D) Initial Shut-In 1170 Circ Sub T-Pulled 02:51
 (E) Second Initial Flow 504 Hourly Standby T-Out 05:30
 (F) Second Final Flow 766 Mileage 176.70 1300 Comments _____
 (G) Final Shut-In 1172 Sampler _____
 (H) Final Hydrostatic 1847 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15
 Initial Shut-In 20
 Final Flow 20
 Final Shut-In 30

Sub Total 1651.70 MP/DST Disc't _____

Approved By _____ Our Representative _____

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QUALITY OILWELL CEMENTING, INC.

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

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

No. 883

Date	6-29-12	Sec.	26	Twp.	20	Range	16	County	PAWNEE	State	KANSAS	On Location		Finish	11:00 AM
Lease	CJM#A	Well No.	#1	Location											
Contractor	Royal #2			Owner											
Type Job				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Hole Size	12 1/4"	T.D.	1062'	Charge To											
Csg	8 5/8"	Depth	1062'	Charter Energy											
Tbg. Size		Depth		Street											
Tool		Depth		City											
				State											
Cement Left in Csg.		Shoe Joint	32 84	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line		Displace	65' 2LS	Cement Amount Ordered 425com 3% - 9% gel											

EQUIPMENT

Pumptrk #15	No.	Cement	Helper	NTK	Common	425
Bulktrk #4	No.	Driver	Driver	Doug	Poz. Mix	
Bulktrk #1	No.	Driver	Driver	CEASO	Gel.	8

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 1448
	Mileage

CEMENT DID CIRCULATE

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down 1 Baffle plate
	1 - RUBBER PLUG
	Pumptrk Charge Long Surface
	Mileage 22 23

THANK YOU!

X Signature Roug Bundy

Tax	
Discount	
Total Charge	



CHARGE TO CHARTER ENERGY
ADDRESS
CITY STATE ZIP CODE

TICKET
No 23151


PAGE 1 OF 2

1. SERVICE LOCATIONS NESS CITY, KS	WELL/PROJECT NO	LEASE C5&M A #1	COUNTY # PAR SE PAWNEE	STATE KS	CITY ALBERT, KS	DATE 5 July 12	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR ROYAL DRILLING RIGS	RIG NAME/NO	SHIPPED VIA	DELIVERED TO	ORDER NO		
3. WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE I 52 LONGSTRING	WELL PERMIT NO	WELL LOCATION ST 10th ST, 2E 35, 4w, 245, WINTO			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY	U/M	QTY	U/M	
575					MILEAGE #110	60	MIL	60		3600
578					PUMP CHARGE	1	JOB	3867	PT	1500
402					CENTRALIZERS	6	EA	70		420
403					CEMENT BASKET	1	EA	250		250
406					LATCH DOWN PLUG & BAPPLE	1	EA	250		250
407					INSERT FLOAT SHOE W/AUTO FILL	1	EA	350		350
281					MUD FLUSH	500	Gal	1	25	625
221					LIQUID KCL	2	Gal	25		50

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X 


DATE SIGNED **6 July 12** TIME SIGNED **0230** A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 1	3805
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	7369
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal	11,174
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Pawnee TAX 8.3%	647.66
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	11,822.46
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR  APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 2.3151

CUSTOMER CHARTER ENERGY WELL CS4M A#1 DATE 5 July 12 PAGE 2/2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M		
276						FLOCELE	44	lbs	2 ⁰⁰	88 ⁰⁰
283						SALT	900	lbs	20	180 ⁰⁰
284						CALSEAL	8	15x	35 ⁰⁰	280 ⁰⁰
286						HALAD-1	100	lbs	7 ⁵⁰	750 ⁰⁰
287						GAS STOP	350	lbs	8 ⁰⁰	2800 ⁰⁰
325						STANDARD CEMENT EA-2	175	5x	13 ⁵⁰	2362 ⁵⁰
581						SERVICE CHARGE		CUBIC FEET	2 ⁰⁰	350 ⁰⁰
583						MILEAGE CHARGE		TON MILES	1 ⁰⁰	559 ⁰⁰
						TOTAL WEIGHT	1786	44		
						LOADED MILES	120			

CONTINUATION TOTAL 7369⁸²

