



KANSAS CORPORATION COMMISSION 1152839  
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
_____ 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 Bbls.	Gas Mcf	Water Bbls.	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> <i>(Submit ACO-4)</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: Kurt Talbott

**Mai #1**

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

Start Date: 2013.04.05 @ 09:47:14

End Date: 2013.04.05 @ 15:14:14

Job Ticket #: 50909                      DST #: 1

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

Printed: 2013.04.10 @ 11:06:45



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Charter Energy Inc  
 PO Box 252  
 Great Bend, KS 67530  
 ATTN: Kurt Talbott

**16-16s-13w Barton, KS**  
**Mai #1**  
 Job Ticket: 50909 **DST#: 1**  
 Test Start: 2013.04.05 @ 09:47:14

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:12:29  
 Time Test Ended: 15:14:14  
 Interval: **3380.00 ft (KB) To 3402.00 ft (KB) (TVD)**  
 Total Depth: 3402.00 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: 1944.00 ft (KB)  
 1937.00 ft (CF)  
 KB to GR/CF: 7.00 ft

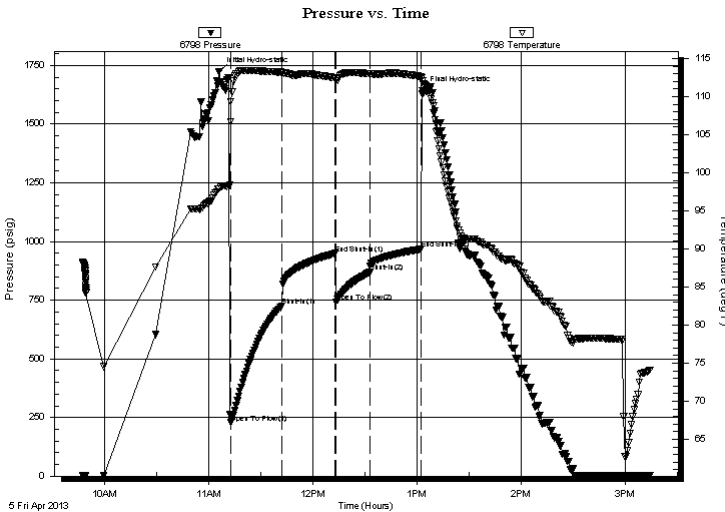
## Serial #: 6798

Inside

Press @ Run Depth: 867.93 psig @ 3381.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.04.05 End Date: 2013.04.05 Last Calib.: 2013.04.05  
 Start Time: 09:47:15 End Time: 15:14:14 Time On Btm: 2013.04.05 @ 11:05:59  
 Time Off Btm: 2013.04.05 @ 13:03:14

TEST COMMENT: IF: Strong Blow , BOB in 45 seconds  
 IS: No Blow Back  
 FF: Strong Blow , BOB in 2 minutes  
 FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1724.93	97.91	Initial Hydro-static
7	227.39	106.72	Open To Flow (1)
36	725.25	113.20	Shut-In(1)
67	948.57	112.48	End Shut-In(1)
68	742.92	112.31	Open To Flow (2)
87	867.93	113.03	Shut-In(2)
117	967.31	112.63	End Shut-In(2)
118	1642.31	112.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1100.00	Water	15.43
202.00	GSY OMCW 10%G 20%O 10%M 60%W	2.83
682.00	GSY OMCW 3%G 30%O 32%M 35%W	9.57
20.00	CO	0.28

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Charter Energy Inc  
PO Box 252  
Great Bend, KS 67530  
ATTN: Kurt Talbott

**16-16s-13w Barton, KS**  
**Mai #1**  
Job Ticket: 50909 **DST#: 1**  
Test Start: 2013.04.05 @ 09:47:14

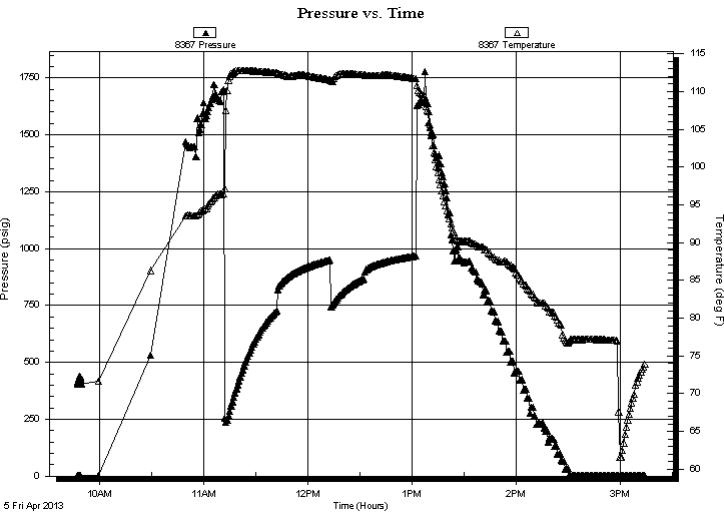
### GENERAL INFORMATION:

Formation: <b>Arbuckle</b>		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 11:12:29		Tester: Leal Cason
Time Test Ended: 15:14:14		Unit No: 45
<b>Interval: 3380.00 ft (KB) To 3402.00 ft (KB) (TVD)</b>		Reference Elevations: 1944.00 ft (KB)
Total Depth: 3402.00 ft (KB) (TVD)		1937.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 7.00 ft

### Serial #: 8367 Outside

Press @ RunDepth: psig @ 3381.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.04.05	End Date: 2013.04.05
Start Time: 09:47:15	End Time: 15:14:14
	Last Calib.: 2013.04.05
	Time On Btm:
	Time Off Btm:

**TEST COMMENT:** IF: Strong Blow , BOB in 45 seconds  
IS: No Blow Back  
FF: Strong Blow , BOB in 2 minutes  
FS: No Blow Back



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
1100.00	Water	15.43
202.00	GSY OMCW 10%G 20%O 10%M 60%W	2.83
682.00	GSY OMCW 3%G 30%O 32%M 35%W	9.57
20.00	CO	0.28

### 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: Kurt Talbott

**16-16s-13w Barton,KS**  
**Mai #1**  
Job Ticket: 50909      **DST#: 1**  
Test Start: 2013.04.05 @ 09:47:14

**Tool Information**

Drill Pipe:	Length: 3386.00 ft	Diameter: 3.80 inches	Volume: 47.50 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: 50000.00 lb
			<u>Total Volume: 47.50 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3380.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			3365.00	
Hydraulic tool	5.00			3370.00	
Packer	5.00			3375.00	20.00      Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Recorder	0.00	6798	Inside	3381.00	
Recorder	0.00	8367	Outside	3381.00	
Perforations	18.00			3399.00	
Bullnose	3.00			3402.00	22.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>42.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Charter Energy Inc  
PO Box 252  
Great Bend, KS 67530  
ATTN: Kurt Talbott

**16-16s-13w Barton,KS**  
**Mai #1**  
Job Ticket: 50909      **DST#: 1**  
Test Start: 2013.04.05 @ 09:47:14

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38.8 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 38000 ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8200.00 ppm		
Filter Cake: 0.02 inches		

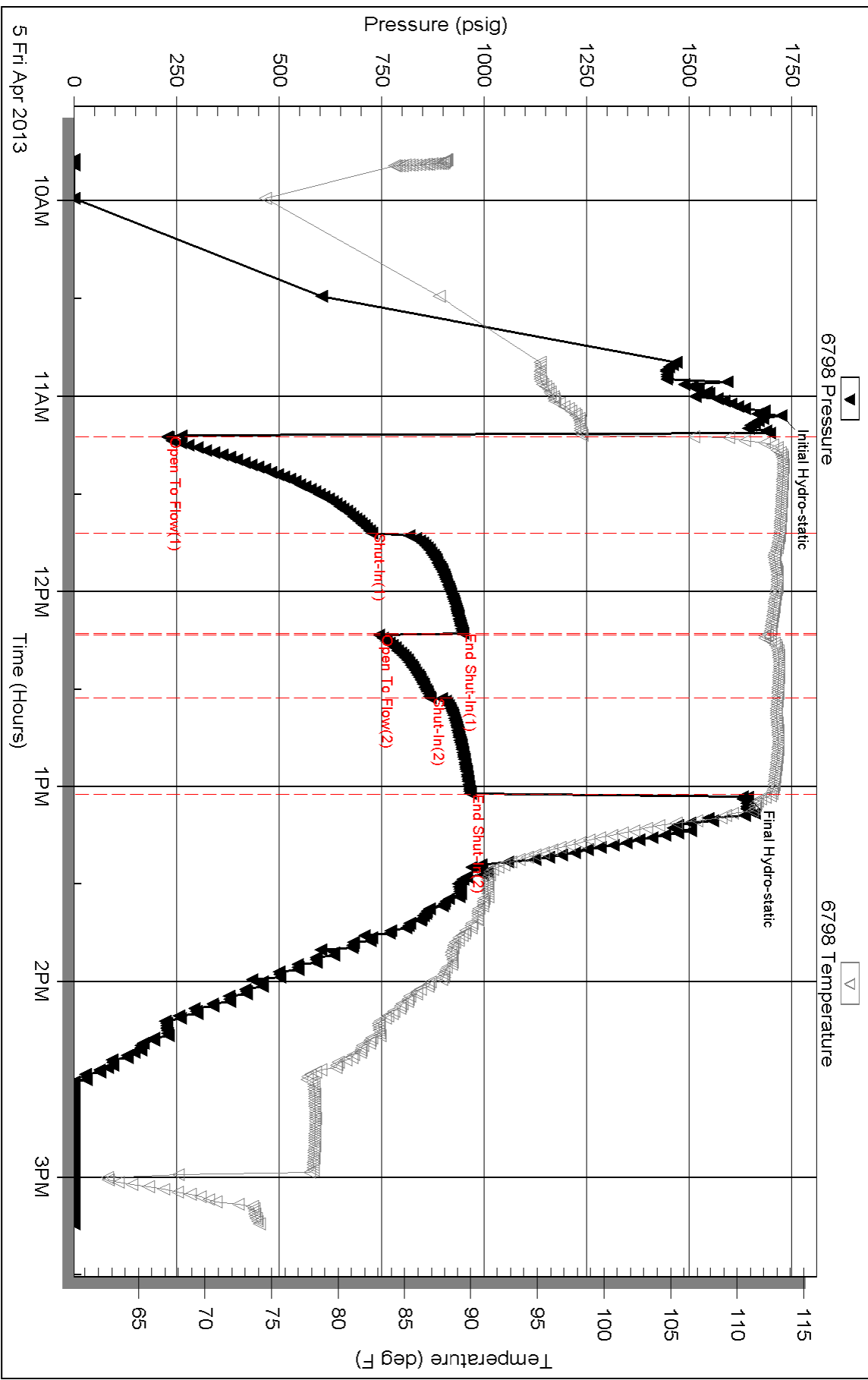
## Recovery Information

Recovery Table

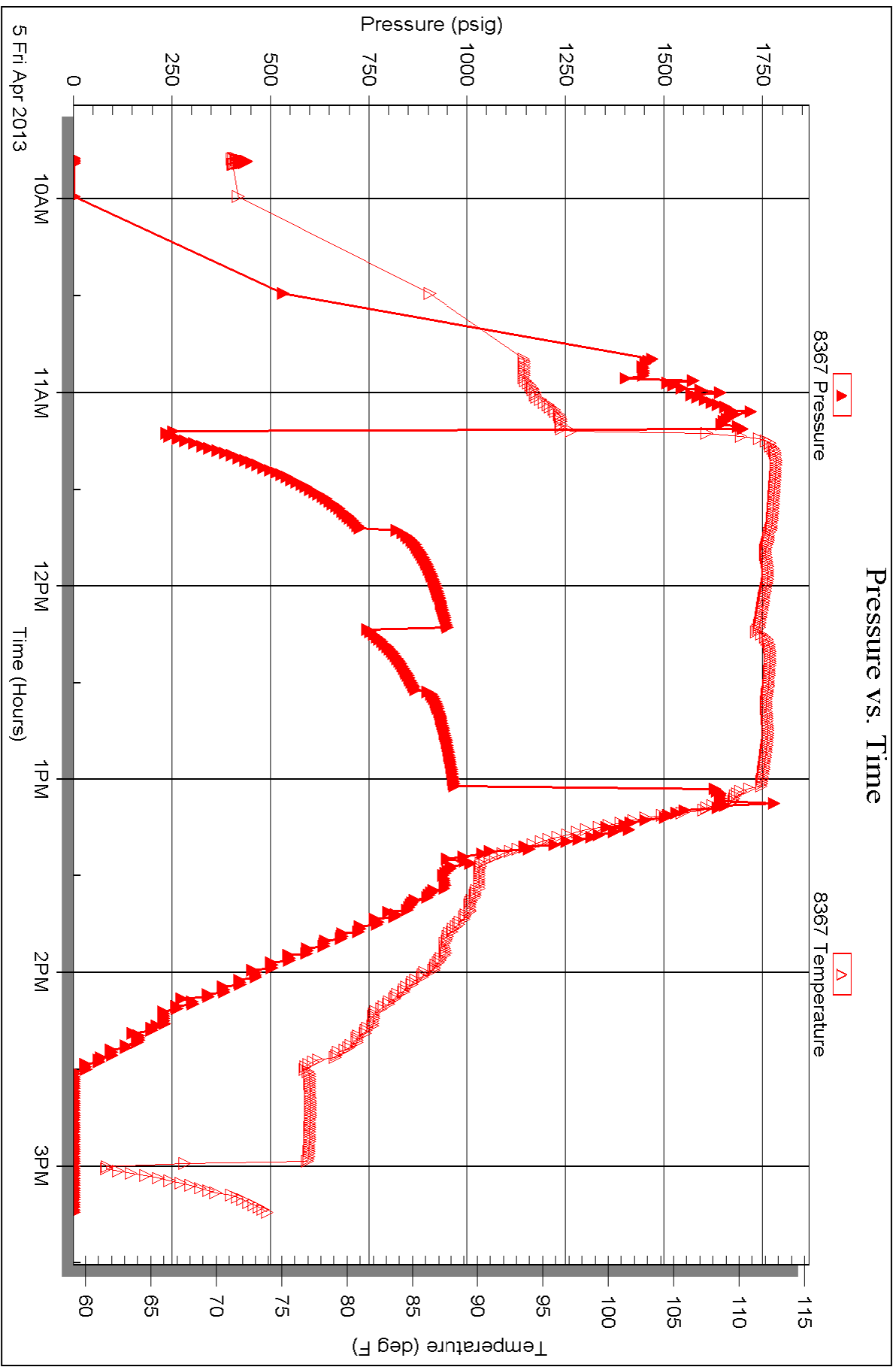
Length ft	Description	Volume bbl
1100.00	Water	15.430
202.00	GSY OMCW 10%G 20%O 10%M 60%W	2.834
682.00	GSY OMCW 3%G 30%O 32%M 35%W	9.567
20.00	CO	0.281

Total Length: 2004.00 ft      Total Volume: 28.112 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: Gravity Was 39.8 @ 70 degrees  
RW was .19 @ 70 degrees

### Pressure vs. Time









# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50909

4/10

Well Name & No. Mai 1 Test No. 1 Date 04/05/13  
 Company CHARTER Energy inc Elevation 1944 KB 1937 GL  
 Address PO BOX 252 Great Bend, KS 67530  
 Co. Rep / Geo. Kurt Talbot Rig Royal 2  
 Location: Sec. 16 Twp. 16S Rge. 13W Co. Barton State \_\_\_\_\_

Interval Tested 3380 - 3402 Zone Tested Arbuckle  
 Anchor Length 22 Drill Pipe Run 3386 Mud Wt. 9.0  
 Top Packer Depth 3375 Drill Collars Run 0 Vis 63  
 Bottom Packer Depth 3380 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3402 Chlorides 8200 ppm System LCM 1

Blow Description IF: Strong Blow, BOB in 45 seconds  
ISI: NO Blow Back  
FF: Strong Blow, BOB in 2 minutes  
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Oil</u>				
<u>682</u>	<u>GSY OMCW</u>	<u>3</u>	<u>30</u>	<u>35</u>	<u>32</u>
<u>202</u>	<u>GSY OMCW</u>	<u>10</u>	<u>20</u>	<u>60</u>	<u>10</u>
<u>1100</u>	<u>Water</u>				
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 2004 BHT 112 Gravity 38.8 API RW .19 @ 70 ° F Chlorides 32000 ppm

(A) Initial Hydrostatic <u>1725</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>09:15</u>
(B) First Initial Flow <u>227</u>	<input type="checkbox"/> Jars _____	T-Started <u>09:47</u>
(C) First Final Flow <u>725</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>11:12</u>
(D) Initial Shut-In <u>949</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>13:02</u>
(E) Second Initial Flow <u>743</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>15:14</u>
(F) Second Final Flow <u>868</u>	<input checked="" type="checkbox"/> Mileage <u>130</u> 201.50	Comments _____
(G) Final Shut-In <u>967</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1642</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>20</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1351.50</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1351.50</u>	

Approved By Kurt Talbot Our Representative \_\_\_\_\_

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

**James C. Burdette**  
 GEOLOGIST'S REPORT

Client: **Chatterbox Energy, Inc.**  
 Job No: **100**  
 Location: **W-100**  
 State: **Kansas**  
 County: **LeFlore**  
 Well Name: **W-100**  
 Well Type: **Oil**  
 Operator: **Chatterbox Energy, Inc.**

Drilling Time and Sample Log

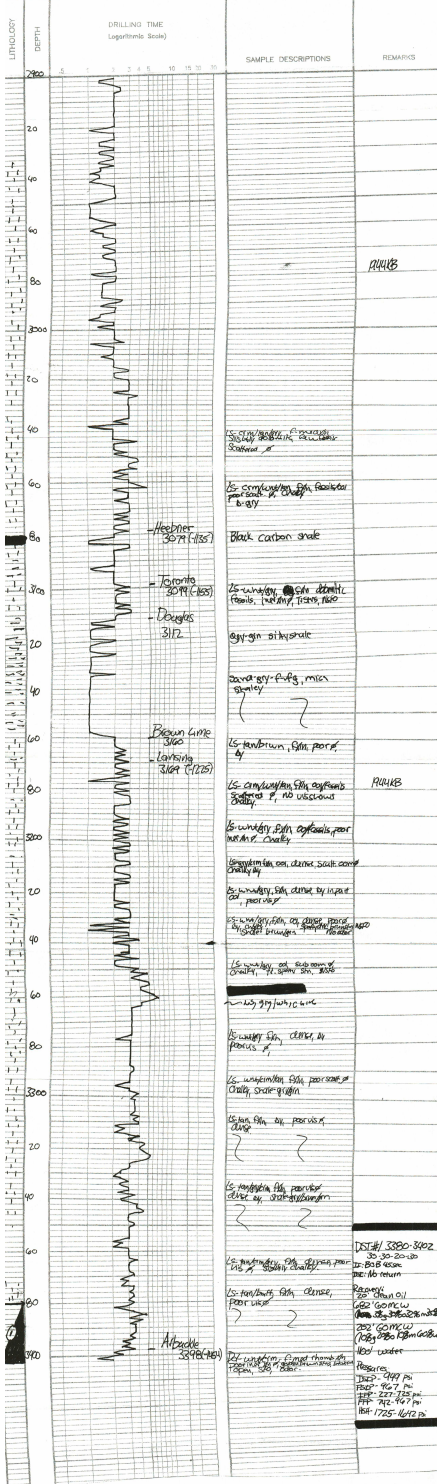
Depth (ft)	Sample No.	Sample Description
0	1	Surface
10	2	10-15'
20	3	20-25'
30	4	30-35'
40	5	40-45'
50	6	50-55'
60	7	60-65'
70	8	70-75'
80	9	80-85'
90	10	90-95'
100	11	100-105'
110	12	110-115'
120	13	120-125'
130	14	130-135'
140	15	140-145'
150	16	150-155'
160	17	160-165'
170	18	170-175'
180	19	180-185'
190	20	190-195'
200	21	200-205'
210	22	210-215'
220	23	220-225'
230	24	230-235'
240	25	240-245'
250	26	250-255'
260	27	260-265'
270	28	270-275'
280	29	280-285'
290	30	290-295'
300	31	300-305'
310	32	310-315'
320	33	320-325'
330	34	330-335'
340	35	340-345'
350	36	350-355'
360	37	360-365'
370	38	370-375'
380	39	380-385'
390	40	390-395'
400	41	400-405'
410	42	410-415'
420	43	420-425'
430	44	430-435'
440	45	440-445'
450	46	450-455'
460	47	460-465'
470	48	470-475'
480	49	480-485'
490	50	490-495'
500	51	500-505'
510	52	510-515'
520	53	520-525'
530	54	530-535'
540	55	540-545'
550	56	550-555'
560	57	560-565'
570	58	570-575'
580	59	580-585'
590	60	590-595'
600	61	600-605'
610	62	610-615'
620	63	620-625'
630	64	630-635'
640	65	640-645'
650	66	650-655'
660	67	660-665'
670	68	670-675'
680	69	680-685'
690	70	690-695'
700	71	700-705'
710	72	710-715'
720	73	720-725'
730	74	730-735'
740	75	740-745'
750	76	750-755'
760	77	760-765'
770	78	770-775'
780	79	780-785'
790	80	790-795'
800	81	800-805'
810	82	810-815'
820	83	820-825'
830	84	830-835'
840	85	840-845'
850	86	850-855'
860	87	860-865'
870	88	870-875'
880	89	880-885'
890	90	890-895'
900	91	900-905'
910	92	910-915'
920	93	920-925'
930	94	930-935'
940	95	940-945'
950	96	950-955'
960	97	960-965'
970	98	970-975'
980	99	980-985'
990	100	990-995'
1000	101	1000-1005'

REMARKS

5 1/2" production casing was set; cemented in the Mai #1. Respectably submitted; Keller, Tubert, Petrologica, geologist

LEGEND

[Symbol]	Anhydrite
[Symbol]	Silt
[Symbol]	Sandstone
[Symbol]	Shale
[Symbol]	Clark sh
[Symbol]	Limestone
[Symbol]	Oil/Lime
[Symbol]	Chert
[Symbol]	Dolomite





# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 6495

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-1-13	16	16	13	BARTON	KANSAS		10:30 pm

Location **SUSANK-1N-E/INTO**

Lease <b>MAI</b>	Well No. <b>#1</b>	Owner <b>CHARTER ENERGY</b>
Contractor <b>ROYAL #2</b>		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 <b>SURFACE</b>		
Hole Size <b>12 1/4"</b>	T.D. <b>447'</b>	Charge To <b>CHARTER ENERGY</b>
Csg. <b>8 5/8"</b>	Depth <b>447'</b>	Street <b>P.O. Box 252</b>
Tbg. Size	Depth	City <b>GREAT BOND</b> State <b>KS, 67530</b>
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint <b>15'</b>	Cement Amount Ordered <b>225 com-3cc-2<sup>g</sup> GEL</b>
Meas Line	Displace <b>27 1/2 BBLs</b>	

**EQUIPMENT**

Pumptrk <b>#16</b>	No.	Cementer	Common <b>225</b>
		Helper <b>TRAVIS</b>	Poz. Mix
Bulktrk <b>#1</b>	No.	Driver	Gel. <b>5</b>
		Driver <b>DAVID</b>	Calcium <b>8</b>
Bulktrk <b>DW</b>	No.	Driver	
		Driver <b>CISCO</b>	

**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 <b>238</b>
	Mileage

**CEMENT DID CIRCULATE!**

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

**THANK YOU!**

X Signature **Tom Blake**

Pumptrk Charge <b>Surface</b>	Tax
Mileage <b>21</b>	Discount
	Total Charge





Services, Inc.

CHARGE TO: Charter Energy  
 ADDRESS: [blank]  
 CITY, STATE, ZIP CODE: [blank]

TICKET No. 23965

PAGE 1 OF 2

SERVICE LOCATIONS:  
 1. HAYS, KS. WELL/PROJECT NO. #1 LEASE Mai COUNTY/PARISH Barton STATE KS CITY [blank]  
 2. Ness City, KS. CONTRACTOR [blank] RIG NAME/NO. [blank] SHIPPED VIA CT location DELIVERED TO [blank] DATE 4-5-13 OWNER Same  
 3. [blank] WELL TYPE [blank] WELL CATEGORY Development JOB PURPOSE Logging WELLS PERMIT NO. [blank] ORDER NO. [blank] WELL LOCATION [blank]  
 4. REFERRAL LOCATION [blank] INVOICE INSTRUCTIONS [blank]

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575						60.1	M				6.00	360.00
578					Ramp Charge (Logging)	1.00		3402			1500.00	1500.00
221					RCL	2.00					250.00	500.00
281					Mud Flush	500.00					1.45	625.00
290					D-Air	2.00					35.00	70.00
402					Centralizers	6.00		5 1/2			70.00	420.00
403					Basket	1.00					250.00	250.00
406					LD Plug & Baffle	1.00					250.00	250.00
407					Insert Float Shoe w/ H11	1.00					350.00	350.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.  
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 X DATE SIGNED 4/5/13 TIME SIGNED 0020  A.M.  P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				Page 2	4421.00
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal	8296.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Barton TAX	404.24
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				7.37	24.00
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	8700.24

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR [Signature] APPROVAL [Signature]  
 Thank You!





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

### TICKET CONTINUATION

TICKET No. 23965

CUSTOMER *Charter Energy*

WELL *Mai #1*

DATE *4-5-13*

PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM		
<i>325</i>		<i>2</i>				<i>Standard Cement</i>	<i>175</i>	<i>SKS</i>	<i>13.50</i>	<i>2362.50</i>
<i>276</i>		<i>2</i>				<i>Flacelc</i>	<i>50</i>	<i>#</i>	<i>2.00</i>	<i>100.00</i>
<i>283</i>		<i>2</i>				<i>Salt</i>	<i>900</i>	<i>#</i>	<i>.20</i>	<i>180.00</i>
<i>284</i>		<i>2</i>				<i>Calsteel</i>	<i>85</i>	<i>SKS</i>	<i>35.00</i>	<i>280.00</i>
<i>286</i>		<i>2</i>				<i>Halad-1</i>	<i>80</i>	<i>#</i>	<i>7.50</i>	<i>600.00</i>
<i>581</i>		<i>2</i>				SERVICE CHARGE			<i>2.00</i>	<i>350.00</i>
<i>583</i>		<i>2</i>				MILEAGE CHARGE	<i>18280</i>	<i>TON MILES</i>	<i>1.00</i>	<i>548.00</i>
						LOADED MILES	<i>60</i>			
						CUBIC FEET	<i>548.5</i>			
<b>CONTINUATION TOTAL</b>										<i>41421.00</i>



**JOB LOG**

**SWIFT Services, Inc.**

DATE 4-5-15 PAGE NO. 1

CUSTOMER Charter Energy

WELL NO. #1

LEASE Mal

JOB TYPE Longstring

TICKET NO. 23965

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1945							on loc w/ FE
								RTD 3402'
								5 1/2" x 14" x 3391' x 20'
								Centralizers 1,3,5,7,9,11
								Basket 4
	2145							80, 82, 83 out
	2300							Start FE
								Break Circ.
	2330	2.5	7/5					Plug RH + MH 30/20sks EA-2
	2340	5	0			150		Start 500 gal Mudflush
	2342	5	12/0			150		Start 20 bbl KCL Flush
	2346	5	20/0			150		Start 125sks EA-2
	2352		30					End Cement
								Wash PL
								Drop L D Plug
	2357	6	0			150		Start Displacement
	0006	5	55			200		Catch Cement
	0013		82			600/1500		Land Plug
								Release Pressure
								Float Held

Thank you

Nick, David E. & Shane