



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1245831
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1245831

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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 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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Charter Energy, Inc.
Well Name	Lewis 1
Doc ID	1245831

All Electric Logs Run

CDN
DIL
Micro
Sonic



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530-0252

ATTN: Kurt Talbott

Lewis #1

7-1s-29w Gove, KS

Start Date: 2014.10.24 @ 01:16:10

End Date: 2014.10.24 @ 08:40:55

Job Ticket #: 59093 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.30 @ 14:22:37

Charter Energy Inc
7-1s-29w Gove, KS
Lewis #1
DST # 1
LKC A-E
2014.10.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend, KS 67530-0252
 ATTN: Kurt Talbott

7-1s-29w Gove, KS
Lewis #1
 Job Ticket: 59093 **DST#: 1**
 Test Start: 2014.10.24 @ 01:16:10

GENERAL INFORMATION:

Formation: **LKC A-E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:29:40
 Time Test Ended: 08:40:55
 Interval: **3814.00 ft (KB) To 3910.00 ft (KB) (TVD)**
 Total Depth: 3910.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2753.00 ft (KB)
 2747.00 ft (CF)
 KB to GR/CF: 6.00 ft

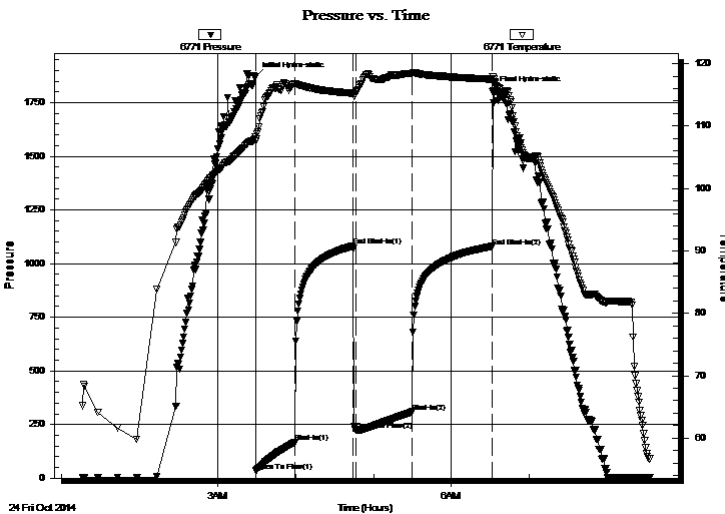
Serial #: 6771

Inside

Press@RunDepth: 309.02 psig @ 3815.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.24 End Date: 2014.10.24 Last Calib.: 2014.10.24
 Start Time: 01:16:10 End Time: 08:32:55 Time On Btm: 2014.10.24 @ 03:29:10
 Time Off Btm: 2014.10.24 @ 06:31:55

TEST COMMENT: B.O.B. in 8 min.
 No return
 B.O.B. in 14 min.
 No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.98	108.24	Initial Hydro-static
1	33.58	107.90	Open To Flow (1)
30	164.98	116.75	Shut-In(1)
75	1081.71	115.25	End Shut-In(1)
78	224.79	115.41	Open To Flow (2)
121	309.02	118.44	Shut-In(2)
182	1079.93	117.52	End Shut-In(2)
183	1805.97	117.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	m c w /oil show on top 2" in 35m 65w	1.26
180.00	s m c w /oil scum 15m 85w	2.52
300.00	w ater w /oil scum 100w	4.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc

7-1s-29w Gove, KS

PO Box 252
Great Bend, KS 67530-0252

Lewis #1

Job Ticket: 59093

DST#: 1

ATTN: Kurt Talbott

Test Start: 2014.10.24 @ 01:16:10

Tool Information

Drill Pipe:	Length: 3800.00 ft	Diameter: 3.80 inches	Volume: 53.30 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 53.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3814.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	116.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3795.00	
Shut In Tool	5.00			3800.00	
Hydraulic tool	5.00			3805.00	
Packer	5.00			3810.00	20.00 Bottom Of Top Packer
Packer	4.00			3814.00	
Stubb	1.00			3815.00	
Recorder	0.00	6771	Inside	3815.00	
Recorder	0.00	8844	Outside	3815.00	
Anchor	25.00			3840.00	
Change Over Sub	1.00			3841.00	
Drill Pipe	63.00			3904.00	
Change Over Sub	1.00			3905.00	
Bullnose	5.00			3910.00	96.00 Bottom Packers & Anchor

Total Tool Length: 116.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

7-1s-29w Gove, KS

PO Box 252
Great Bend, KS 67530-0252

Lewis #1

Job Ticket: 59093

DST#: 1

ATTN: Kurt Talbott

Test Start: 2014.10.24 @ 01:16:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	m c w /oil show on top 2" in 35m 65w	1.262
180.00	s m c w /oil scum 15m 85w	2.525
300.00	w ater w /oil scum 100w	4.208

Total Length: 570.00 ft Total Volume: 7.995 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .198 @ 55*f = 48,000 chlor

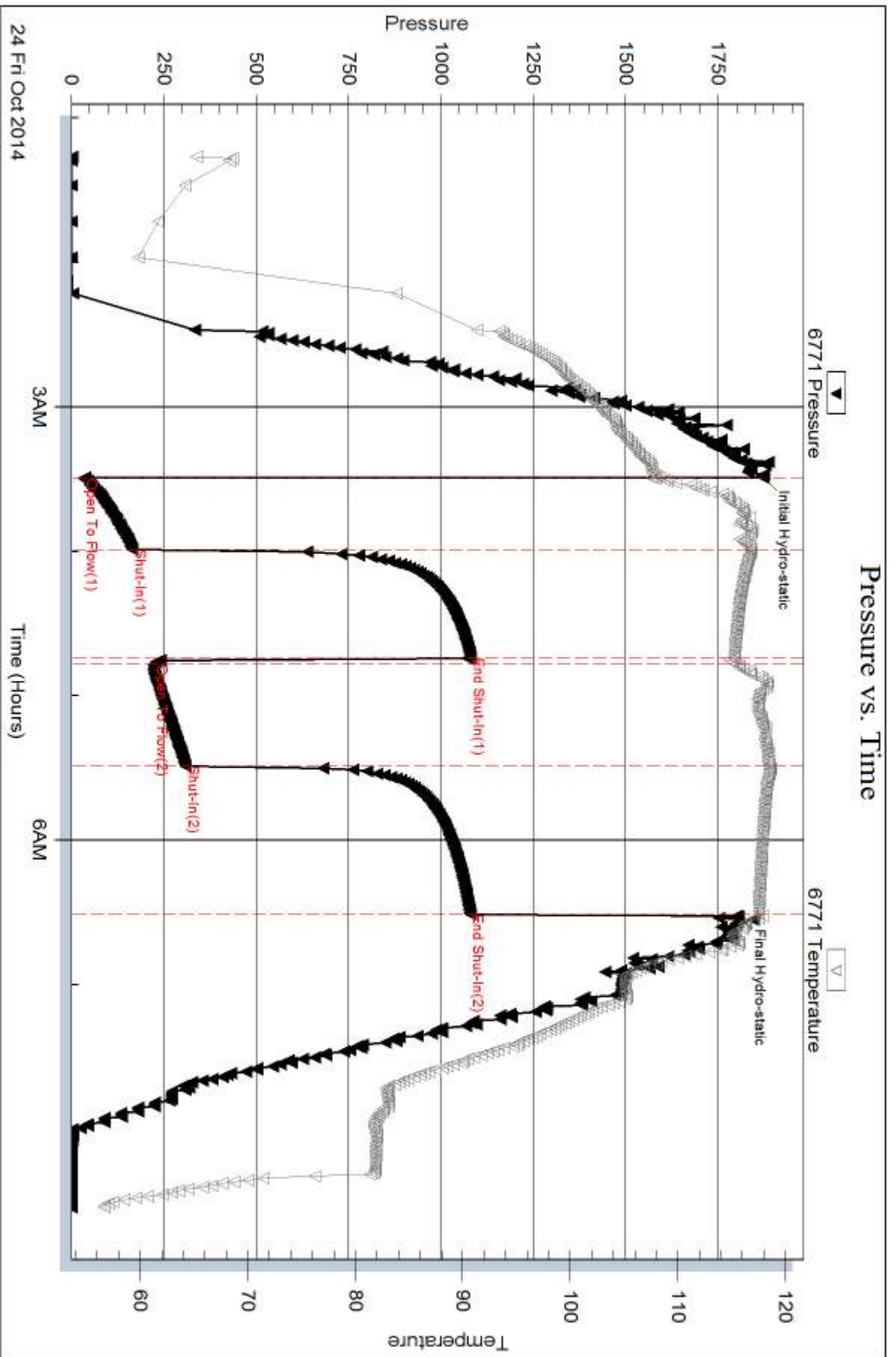
Serial #: 6771

Inside

Charter Energy Inc

Lew is #1

DST Test Number: 1

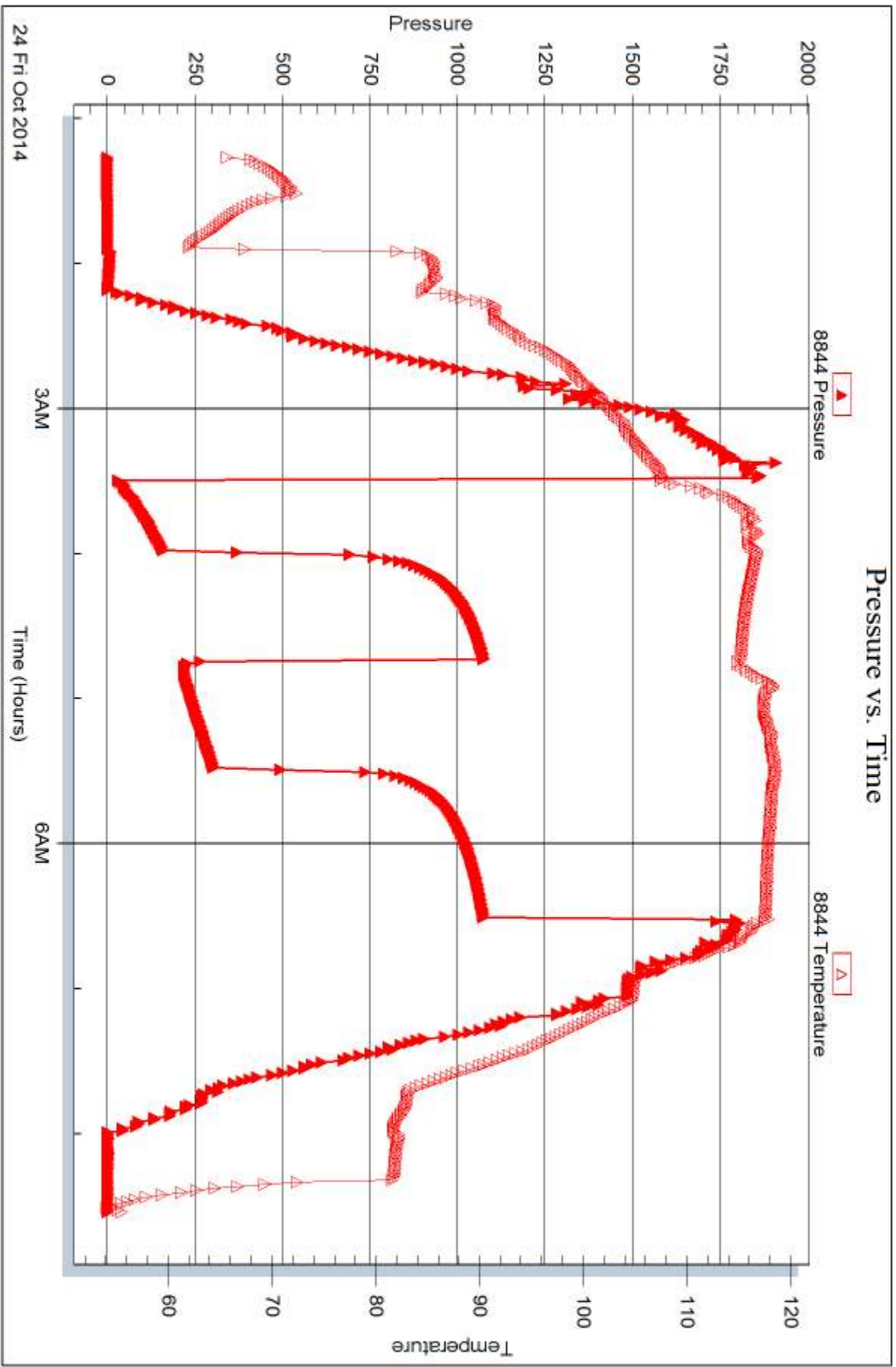


Serial #: 8844

Outside Charter Energy Inc

Lewis #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59093

Printed: 2014, 10:30 @ 14:22:38



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530-0252

ATTN: Kurt Talbott

Lewis #1

7-1s-29w Gove, KS

Start Date: 2014.10.25 @ 05:30:20

End Date: 2014.10.25 @ 11:42:05

Job Ticket #: 59094 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.30 @ 14:21:55

Charter Energy Inc
7-1s-29w Gove, KS
Lewis #1
DST # 2
LKC H-L
2014.10.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend, KS 67530-0252
 ATTN: Kurt Talbott

7-1s-29w Gove, KS
Lewis #1
 Job Ticket: 59094 **DST#: 2**
 Test Start: 2014.10.25 @ 05:30:20

GENERAL INFORMATION:

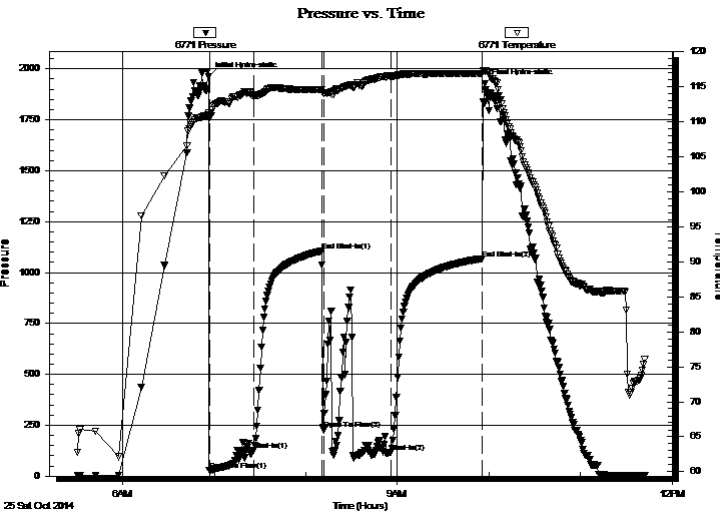
Formation: **LKC H-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:56:35
 Time Test Ended: 11:42:05
 Interval: **3952.00 ft (KB) To 4115.00 ft (KB) (TVD)**
 Total Depth: 4115.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2753.00 ft (KB)
 2747.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 6771

Inside

Press@RunDepth: 118.67 psig @ 3953.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.25 End Date: 2014.10.25 Last Calib.: 2014.10.25
 Start Time: 05:30:20 End Time: 11:42:05 Time On Btm: 2014.10.25 @ 06:56:20
 Time Off Btm: 2014.10.25 @ 09:57:20

TEST COMMENT: B.O.B. in 22 min.
 No return
 B.O.B. in 35 min. (surging blow)
 Weak surface blow in 9 min , died in 20 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1960.43	111.25	Initial Hydro-static
1	28.23	110.64	Open To Flow (1)
30	128.87	113.73	Shut-In(1)
74	1106.18	114.61	End Shut-In(1)
76	227.99	114.10	Open To Flow (2)
120	118.67	116.46	Shut-In(2)
180	1068.16	116.90	End Shut-In(2)
181	1926.28	117.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	g s o c m 10%g 3%o 87%m	1.26
60.00	g s w & o c m 40g 10w 25o 25m	0.84
60.00	g m & w c o 40g 30o 15m 15w	0.84
0.00	270' gas in pipe	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 Inc
PO Box 252
Great Bend, KS 67530-0252
ATTN: Kurt Talbott

7-1s-29w Gove, KS
Lewis #1
Job Ticket: 59094 **DST#: 2**
Test Start: 2014.10.25 @ 05:30:20

GENERAL INFORMATION:

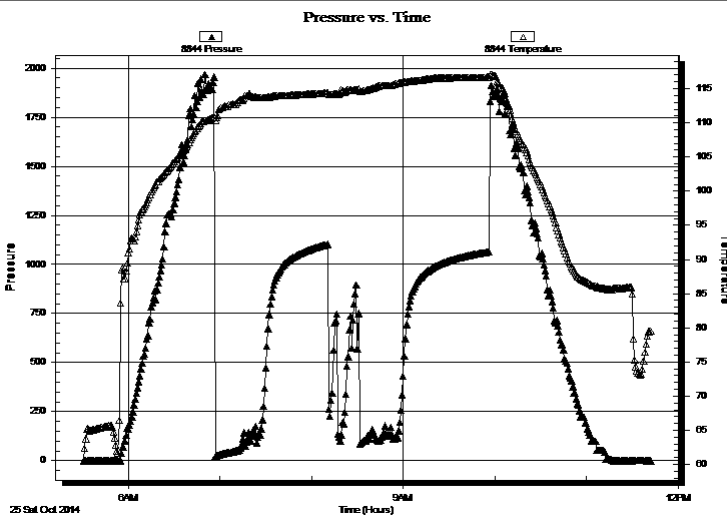
Formation: **LKC H-L**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 06:56:35 Tester: Shane McBride
Time Test Ended: 11:42:05 Unit No: 55

Interval: 3952.00 ft (KB) To 4115.00 ft (KB) (TVD) Reference Elevations: 2753.00 ft (KB)
Total Depth: 4115.00 ft (KB) (TVD) 2747.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 8844 Outside

Press@RunDepth: psig @ 3953.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.10.25 End Date: 2014.10.25 Last Calib.: 2014.10.25
Start Time: 05:30:40 End Time: 11:42:19 Time On Btm:
Time Off Btm:

TEST COMMENT: B.O.B. in 22 min.
No return
B.O.B. in 35 min. (surging blow)
Weak surface blow in 9 min, died in 20 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
90.00	g s o c m 10%g 3%o 87%m	1.26
60.00	g s w & o c m 40g 10w 25o 25m	0.84
60.00	g m & w c o 40g 30o 15m 15w	0.84
0.00	270' gas in pipe	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc

7-1s-29w Gove, KS

PO Box 252
Great Bend, KS 67530-0252

Lewis #1

Job Ticket: 59094

DST#: 2

ATTN: Kurt Talbott

Test Start: 2014.10.25 @ 05:30:20

Tool Information

Drill Pipe:	Length: 3950.00 ft	Diameter: 3.80 inches	Volume: 55.41 bbl	Tool Weight: 2500.00 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: 85000.00 lb
			<u>Total Volume: 55.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3952.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	163.00 ft			
Tool Length:	183.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3933.00	
Shut In Tool	5.00			3938.00	
Hydraulic tool	5.00			3943.00	
Packer	5.00			3948.00	20.00 Bottom Of Top Packer
Packer	4.00			3952.00	
Stubb	1.00			3953.00	
Recorder	0.00	6771	Inside	3953.00	
Recorder	0.00	8844	Outside	3953.00	
Anchor	30.00			3983.00	
Change Over Sub	1.00			3984.00	
Drill Pipe	125.00			4109.00	
Change Over Sub	1.00			4110.00	
Bullnose	5.00			4115.00	163.00 Bottom Packers & Anchor

Total Tool Length: 183.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

7-1s-29w Gove, KS

PO Box 252
Great Bend, KS 67530-0252

Lewis #1

Job Ticket: 59094

DST#: 2

ATTN: Kurt Talbott

Test Start: 2014.10.25 @ 05:30:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.92 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	g s o c m 10%g 3%o 87%m	1.262
60.00	g s w & o c m 40g 10w 25o 25m	0.842
60.00	g m & w c o 40g 30o 15m 15w	0.842
0.00	270' gas in pipe	0.000

Total Length: 210.00 ft

Total Volume: 2.946 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

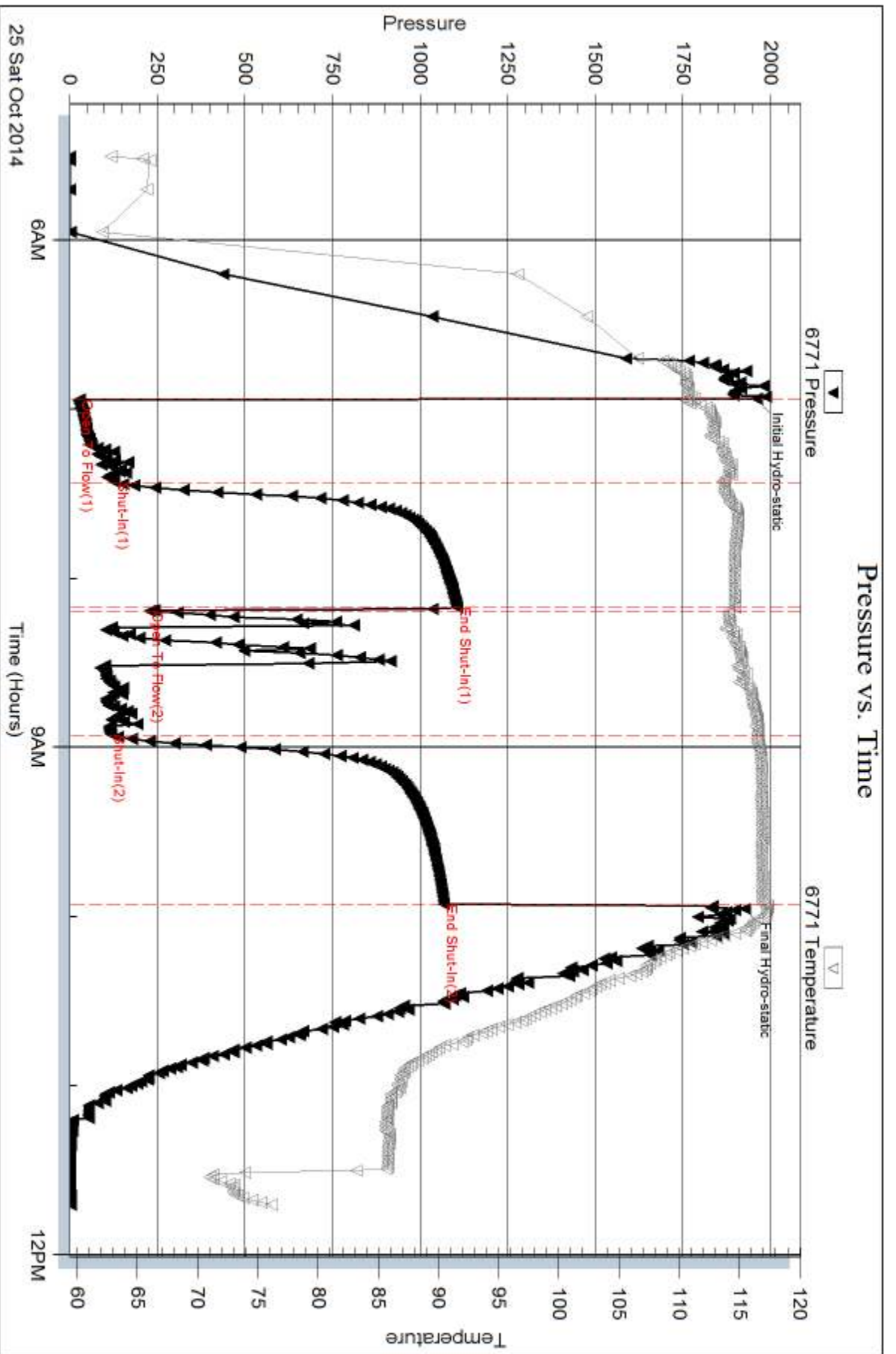
Serial #: 6771

Inside

Charter Energy Inc

Lewis #1

DST Test Number: 2

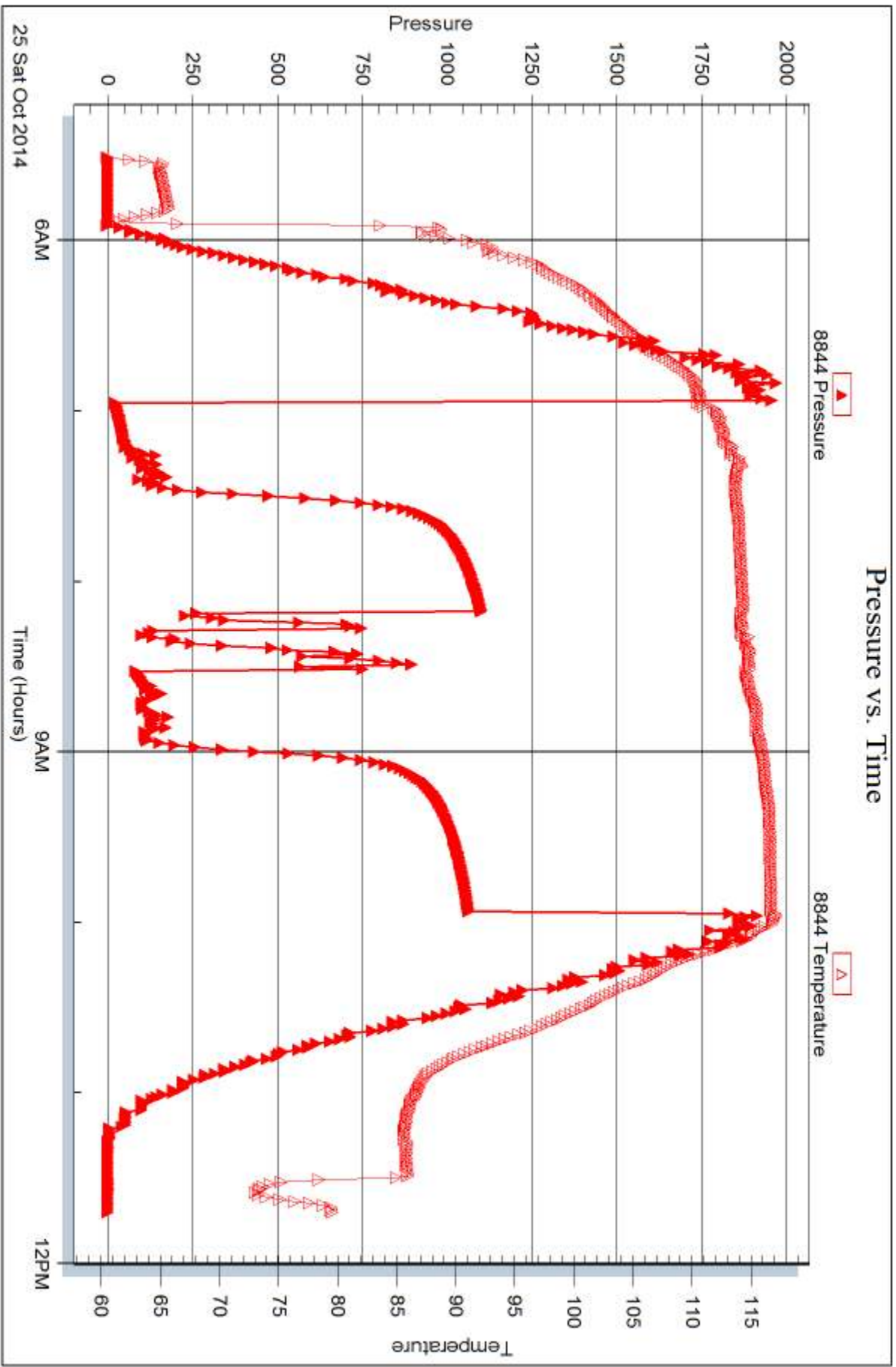


Serial #: 8844

Outside Charter Energy Inc

Lew is #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530-0252

ATTN: Kurt Talbott

Lewis #1

7-1s-29w Gove, KS

Start Date: 2014.10.26 @ 14:56:06

End Date: 2014.10.26 @ 22:25:51

Job Ticket #: 59095 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.30 @ 14:07:18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc

7-1s-29w Gove, KS

PO Box 252
Great Bend, KS 67530-0252

Lewis #1

Job Ticket: 59095

DST#: 3

ATTN: Kurt Talbott

Test Start: 2014.10.26 @ 14:56:06

Tool Information

Drill Pipe:	Length: 4088.00 ft	Diameter: 3.80 inches	Volume: 57.34 bbl	Tool Weight: 2500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 57.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4214.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	141.00 ft			
Tool Length:	161.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4195.00	
Shut In Tool	5.00			4200.00	
Hydraulic tool	5.00			4205.00	
Packer	5.00			4210.00	20.00 Bottom Of Top Packer
Packer	4.00			4214.00	
Stubb	1.00			4215.00	
Recorder	0.00	6771	Inside	4215.00	
Recorder	0.00	8844	Outside	4215.00	
Anchor	7.00			4222.00	
Change Over Sub	1.00			4223.00	
Drill Pipe	126.00			4349.00	
Change Over Sub	1.00			4350.00	
Bullnose	5.00			4355.00	141.00 Bottom Packers & Anchor

Total Tool Length: 161.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

7-1s-29w Gove, KS

PO Box 252
Great Bend, KS 67530-0252

Lewis #1

Job Ticket: 59095

DST#: 3

ATTN: Kurt Talbott

Test Start: 2014.10.26 @ 14:56:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
360.00	c g o 40g 60o	3.920
240.00	g m c o 30g 15m 55o	3.367
180.00	g o c m 20g 15o 65m	2.525
90.00	g s o c m 20g 10o 70m	1.262
0.00	1290' gas in pipe	0.000

Total Length: 870.00 ft

Total Volume: 11.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

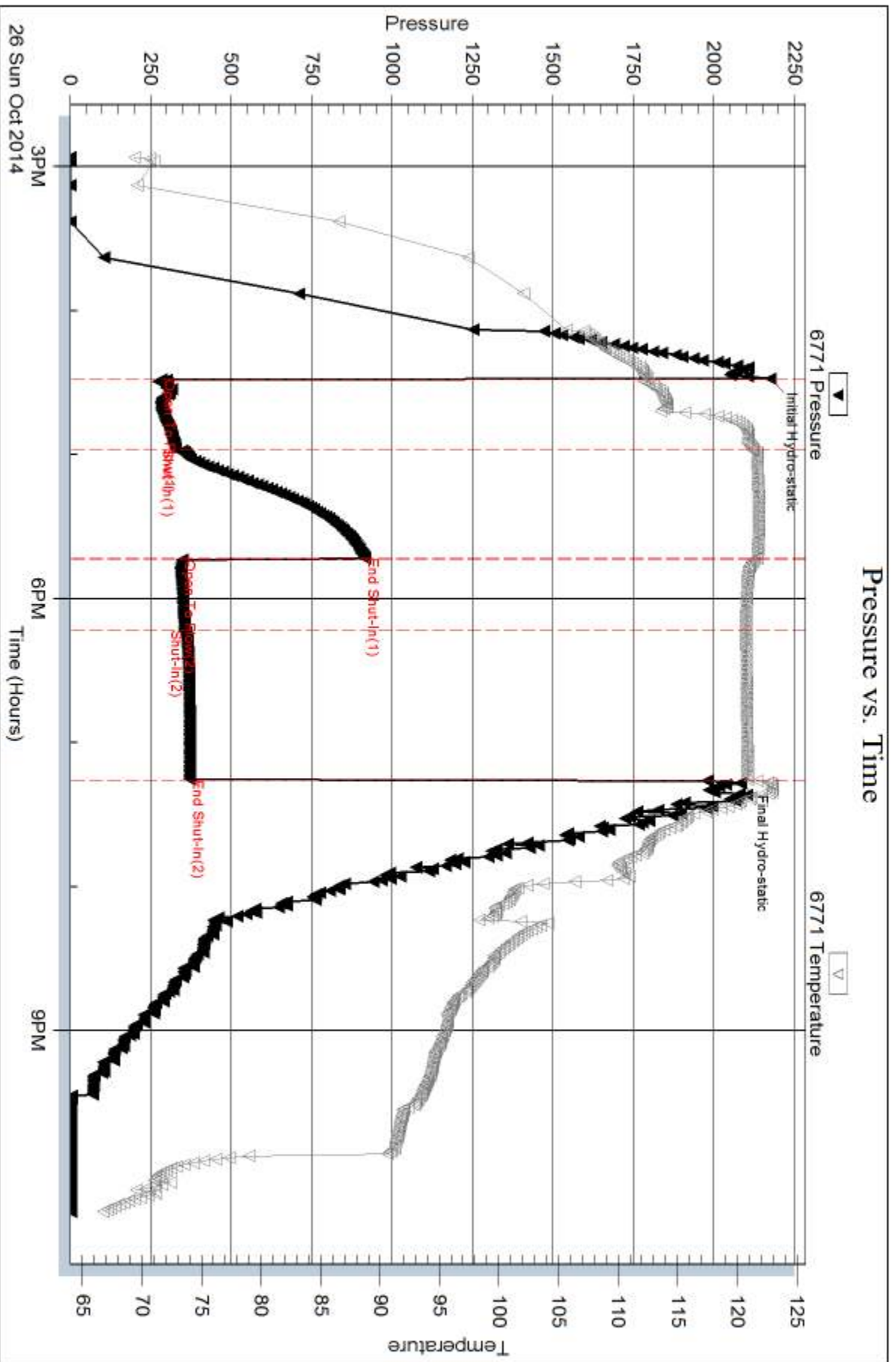
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

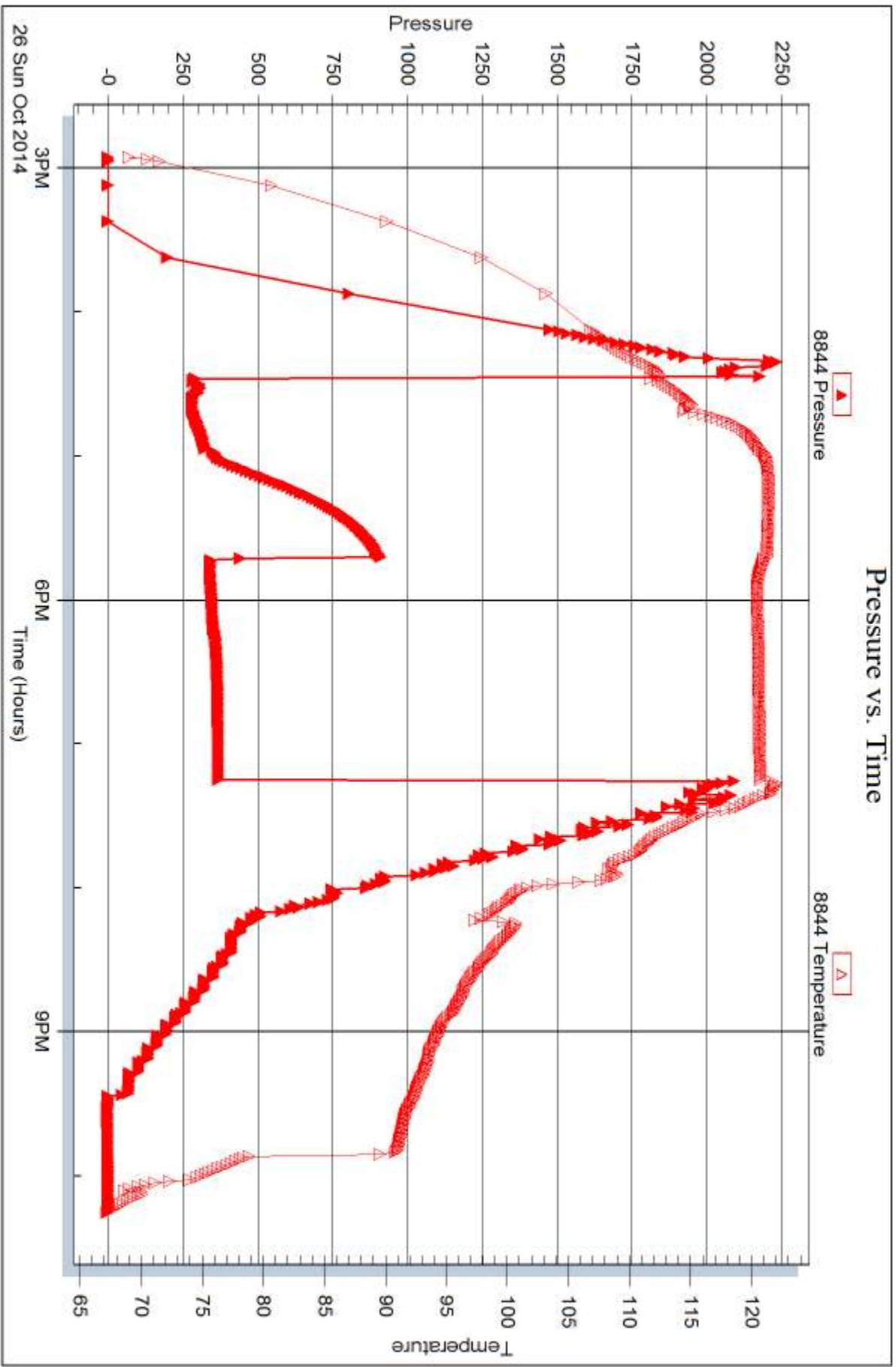


Serial #: 8844

Outside Charter Energy Inc

Lewis #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 59095

Printed: 2014, 10:30 @ 14:07:19



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530-0252

ATTN: Kurt Talbott

Lewis #1

7-1s-29w Gove, KS

Start Date: 2014.10.27 @ 10:55:17

End Date: 2014.10.27 @ 17:20:17

Job Ticket #: 59096 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.30 @ 14:04:40



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend, KS 67530-0252
 ATTN: Kurt Talbott

7-1s-29w Gove, KS
Lewis #1
 Job Ticket: 59096 **DST#: 4**
 Test Start: 2014.10.27 @ 10:55:17

GENERAL INFORMATION:

Formation: **Johnson, Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:44:02
 Time Test Ended: 17:20:17
 Interval: **4347.00 ft (KB) To 4425.00 ft (KB) (TVD)**
 Total Depth: 4425.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2753.00 ft (KB)
 2747.00 ft (CF)
 KB to GR/CF: 6.00 ft

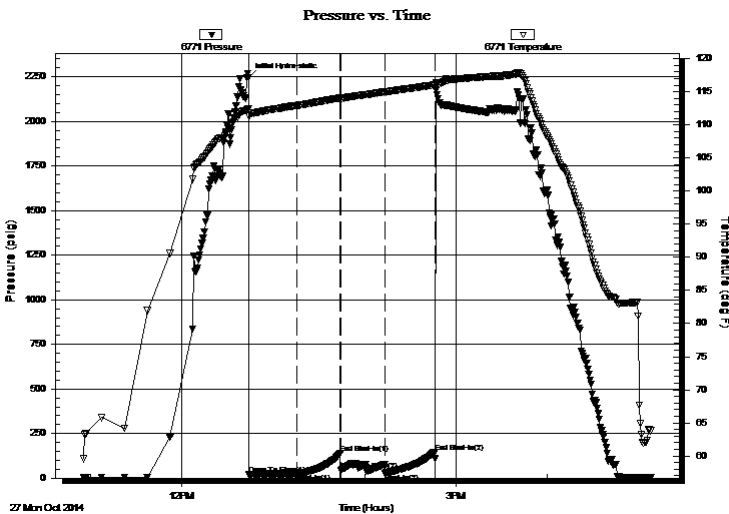
Serial #: 6771

Inside

Press@RunDepth: 26.81 psig @ 4348.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.27 End Date: 2014.10.27 Last Calib.: 2014.10.27
 Start Time: 10:55:17 End Time: 17:08:17 Time On Btm: 2014.10.27 @ 12:43:47
 Time Off Btm: 2014.10.27 @ 14:46:47

TEST COMMENT: 1/2" blow died in 29 min.
 No return
 No blow
 No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.69	112.49	Initial Hydro-static
1	20.54	111.31	Open To Flow (1)
32	24.95	112.90	Shut-In(1)
60	139.11	114.07	End Shut-In(1)
61	43.93	114.02	Open To Flow (2)
90	26.81	114.96	Shut-In(2)
122	144.51	116.01	End Shut-In(2)
123	2175.97	116.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud w/oil spots 100%m	0.01

* 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

7-1s-29w Gove, KS

PO Box 252
Great Bend, KS 67530-0252

Lewis #1

Job Ticket: 59096

DST#: 4

ATTN: Kurt Talbott

Test Start: 2014.10.27 @ 10:55:17

Tool Information

Drill Pipe:	Length: 4150.00 ft	Diameter: 3.80 inches	Volume: 58.21 bbl	Tool Weight: 2500.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4347.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	98.00 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			4328.00	
Shut In Tool	5.00			4333.00	
Hydraulic tool	5.00			4338.00	
Packer	5.00			4343.00	20.00 Bottom Of Top Packer
Packer	4.00			4347.00	
Stubb	1.00			4348.00	
Recorder	0.00	6771	Inside	4348.00	
Recorder	0.00	8844	Outside	4348.00	
Anchor	7.00			4355.00	
Change Over Sub	1.00			4356.00	
Drill Pipe	63.00			4419.00	
Change Over Sub	1.00			4420.00	
Bullnose	5.00			4425.00	78.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

7-1s-29w Gove, KS

PO Box 252
Great Bend, KS 67530-0252

Lewis #1

Job Ticket: 59096

DST#: 4

ATTN: Kurt Talbott

Test Start: 2014.10.27 @ 10:55:17

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud w/oil spots 100%m	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

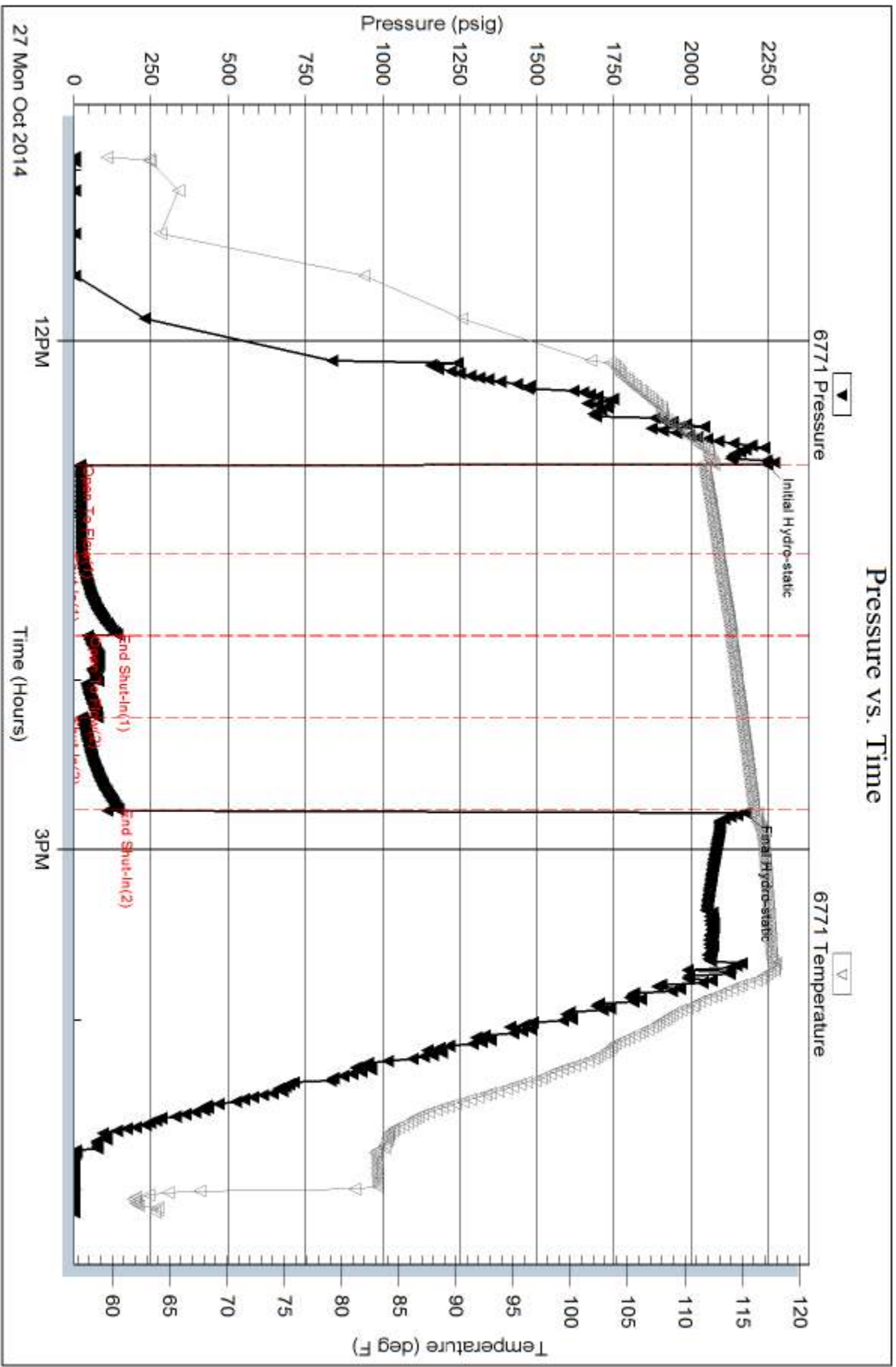
Serial #: 6771

Inside

Charter Energy Inc

Lew is #1

DST Test Number: 4

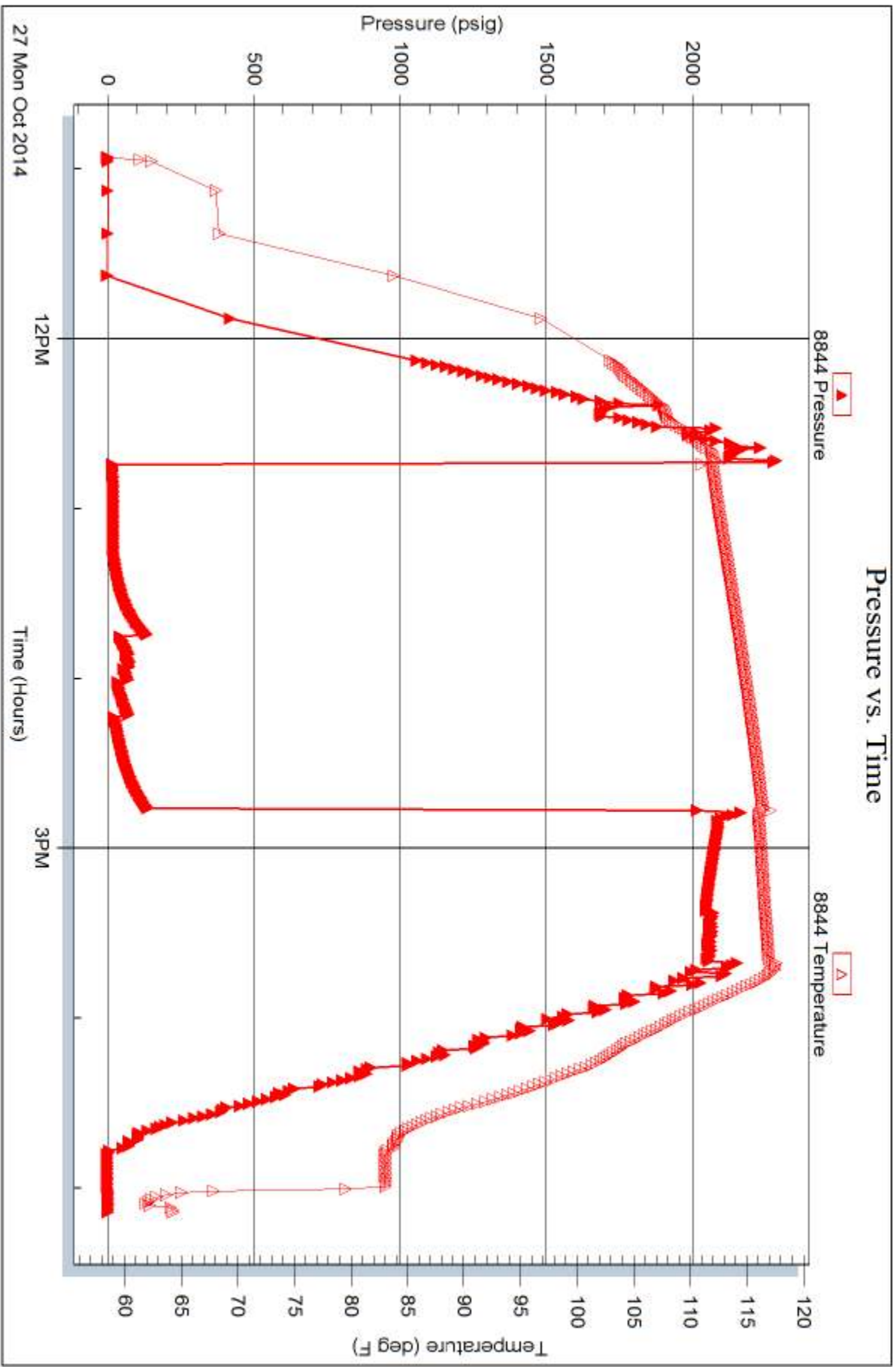


Serial #: 8844

Outside Charter Energy Inc

Lewis #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 59096

Printed: 2014, 10:30 @ 14:04:41



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59093

Well Name & No. Lewins #1 Test No. #1 Date 10/24/14
 Company Charter Energy Inc. Elevation 2753 KB 2747 GL
 Address P.O. Box 252 Great Bend, Kas 67530 -0252
 Co. Rep / Geo. Kurt Talbott Rig Royal #1
 Location: Sec. 7 Twp. 13 Rge. 29 Co. Cove State Ks

Interval Tested 3814 3910 Zone Tested A - F
 Anchor Length 96 Drill Pipe Run 3800 Mud Wt. 8.4
 Top Packer Depth 3809 Drill Collars Run — Vis 56
 Bottom Packer Depth 3814 Wt. Pipe Run — WL 8.8
 Total Depth 3910 Chlorides 3000 ppm System LCM #1

Blow Description B.O.B. in 8min
No return

B.O.B. in 14min.
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>90'</u>	<u>Mew (Show of oil on top 2in)</u>	<u>Scum</u>	<u>Scum</u>	<u>65%</u>	<u>35%</u>
<u>180'</u>	<u>SMCW w/oil Scum</u>	<u>Scum</u>	<u>Scum</u>	<u>85%</u>	<u>15%</u>
<u>300'</u>	<u>Water</u>	<u>Scum</u>	<u>Scum</u>	<u>100%</u>	<u>0%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

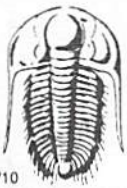
Rec Total 570' BHT 118° Gravity — API RW .198 @ 55 ° F Chlorides 48,000 ppm

(A) Initial Hydrostatic 1871 Test 1150 T-On Location 00:30
 (B) First Initial Flow 33 Jars _____ T-Started 01:15
 (C) First Final Flow 164 Safety Joint _____ T-Open 03:30
 (D) Initial Shut-In 1081 Circ Sub N/C T-Pulled 06:30
 (E) Second Initial Flow 224 Hourly Standby _____ T-Out 08:40
 (F) Second Final Flow 309 Mileage 104 RT 161.20
 (G) Final Shut-In 1079 Sampler _____
 (H) Final Hydrostatic 1805 Straddle _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 45 Shale Packer _____
 Final Flow 45 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Sub Total 0
 Total 1311.20
 MP/DST Disc't _____
 Sub Total 1311.20

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. 59094

Well Name & No. Lewis #1 Test No. #2 Date 10/25/14
 Company Charter Energy Inc. Elevation 2753 KB 2747 GL
 Address P.O. Box 252 Great Bend, Ks 67530-0252
 Co. Rep / Geo. Kurt Talbot Rig Royal #1
 Location: Sec. 7 Twp. 13 Rge. 29 Co. Gove State Ks

Interval Tested 3952 4115 Zone Tested H-L
 Anchor Length 143 Drill Pipe Run 3950 Mud Wt. 9.1
 Top Packer Depth 3947 Drill Collars Run — Vis 51
 Bottom Packer Depth 3952 Wt. Pipe Run — WL 10.0
 Total Depth 4115 Chlorides 2500 ppm System LCM #1

Blow Description B.O.B. in 22 min
No return
B.O.B. in 35 min (Surging blow)

Weak surface return in 9 min, died in 20 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>950cm</u>	<u>10</u>	<u>3</u>	<u>87</u>	<u>—</u>
<u>60</u>	<u>950cm</u>	<u>40</u>	<u>25</u>	<u>10</u>	<u>25</u>
<u>60</u>	<u>950cm</u>	<u>40</u>	<u>30</u>	<u>15</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>(270' GAS IN PIPE)</u>	%gas	%oil	%water	%mud

Rec Total 210' BHT 117° Gravity — API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic 1940 Test 1250 T-On Location 05:25
 (B) First Initial Flow 28 Jars — T-Started 05:30
 (C) First Final Flow 128 Safety Joint — T-Open 06:57
 (D) Initial Shut-In 1106 Circ Sub N/A T-Pulled 09:57
 (E) Second Initial Flow 227 Hourly Standby — T-Out 11:45
 (F) Second Final Flow 118 Mileage 109.05 161.20
 (G) Final Shut-In 1068 Sampler —
 (H) Final Hydrostatic 1926 Straddle —

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1411.20
 MP/DST Disc't —
 Sub Total 1411.20

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Approved By Kurt Talbot

Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59095

Well Name & No. Weyers #1 Test No. #3 Date 10/26/14
 Company Charters Energy, Inc. Elevation 2753 KB 2747 GL
 Address P.O. Box 252 Great Bend, KS 67530-0252
 Co. Rep / Geo. Kurt Tubert Rig Royal #1
 Location: Sec. 7 Twp. 13 Rge. 29 Co. Gove State KS

Interval Tested 4214 4355 Zone Tested Fawcett, Ft. Scott, Cherokee
 Anchor Length 141 Drill Pipe Run 4088' Mud Wt. 9.4
 Top Packer Depth 4209 Drill Collars Run 124' Vis 57
 Bottom Packer Depth 4214 Wt. Pipe Run — WL 8.8
 Total Depth 4355 Chlorides 2500 ppm System LCM # 1/2

Blow Description B.O.B. in 2 min
Bled off for 9 min. returned to B.O.B. in 3 1/2 min
B.O.B. @ open
Bled off for 12 min. return to B.O.B. in 34 min.

Rec	Feet of	%gas	%oil	%water	%mud
90'	g50cm	20	10	70	
180'	g0cm	20	15	65	
240'	gm60	30	55	15	
360'	c90	40	60		
	(1290' Gas in pipe)				

Rec Total 870' BHT 123° Gravity 35 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2176 Test 1250 T-On Location 14:30
 (B) First Initial Flow 284 Jars — T-Started 14:55
 (C) First Final Flow 328 Safety Joint — T-Open 14:26
 (D) Initial Shut-In 916 Circ Sub N/C T-Pulled 19:11
 (E) Second Initial Flow 347 Hourly Standby — T-Out 10:45
 (F) Second Final Flow 355 Mileage 104 RT 161.20 Comments —
 (G) Final Shut-In 372 Sampler —
 (H) Final Hydrostatic 2084 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder —

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 60
 Sub Total 0
 Total 1411.20
 MF/DST Disc't —
 Sub Total 1411.20

Approved By Kurt Tubert Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59096

Well Name & No. Wells #1 Test No. #4 Date 10/27/14
 Company Charter Energy Inc Elevation 2753 KB 2747 GL
 Address P.O. Box 252 Great Bend, KS 67530-0252
 Co. Rep / Geo. Hunt Abbott Rig Royal #1
 Location: Sec. 7 Twp. 13 Rge. 29 Co. Gove State Ks

Interval Tested 4347 4425 Zone Tested Johnson, Miss
 Anchor Length 78 Drill Pipe Run 4150 Mud Wt. 9.3
 Top Packer Depth 4342 Drill Collars Run 18W Vis 52
 Bottom Packer Depth 4347 Wt. Pipe Run — WL 8.9
 Total Depth 4425 Chlorides 2200 ppm System LCM #1/2

Blow Description 1/2" in blow dried in 29 min.
4/10 returned
4/10 blow
4/10 returned

Rec	Feet of	%gas	%oil	%water	%mud
3'	Heavy Mud w/oil spots	spots		100	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3' BHT 117° Gravity — API RW —@ — ° F Chlorides — ppm
 (A) Initial Hydrostatic 2245 Test 1250 T-On Location 10:25
 (B) First Initial Flow 20 Jars — T-Started 10:55
 (C) First Final Flow 24 Safety Joint — T-Open 12:43
 (D) Initial Shut-In 139 Circ Sub N/C T-Pulled 14:43
 (E) Second Initial Flow 43 Hourly Standby — T-Out 17:20
 (F) Second Final Flow 26 Mileage 104 161.20 Comments Released and
 (G) Final Shut-In 144 Sampler — 161.20 loaded tools @ 9:30 am
 (H) Final Hydrostatic 2175 Straddle — 10/28/14.

Initial Open 30 Ruined Shale Packer —
 Initial Shut-In 30 Ruined Packer —
 Final Flow 30 Extra Packer — Extra Copies —
 Final Shut-In 30 Extra Recorder — Sub Total 0
 Day Standby — Total 1572.40
 Accessibility — MP/DST Disc't —
 Sub Total 1572.40

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.

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. 770

Date	10-20-14	Sec	7	Twp.	13	Range	29	County	Gove	State	KS	On Location		Finish	5:00pm
Location														Gove to RDR W to 34 Rd 2 ³ / ₄ S winto	

Lease	Lewis	Well No.	1	Owner	To Quality Oilwell Cementing, Inc.
Contractor	Royal	#1		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	Surface			Charge To	Charter Energy
Hole Size	12 ¹ / ₄	T.D.	264'	Street	
Csg.	8 ⁵ / ₈	Depth	264'	City	
Tbg. Size		Depth		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	20'	Shoe Joint	20'	Cement Amount Ordered 175 com 3% cc 2% gel	
Meas Line		Displace	15 ¹ / ₂		

EQUIPMENT

Pumptrk	10	No.	Cement		Common	175
			Helper	Billy	Poz. Mix	
Bulktrk	9	No.	Driver	Don	Gel.	3
			Driver	Don	Calcium	6
Bulktrk	Pu	No.	Driver	Matt	Hulls	
			Driver		Salt	

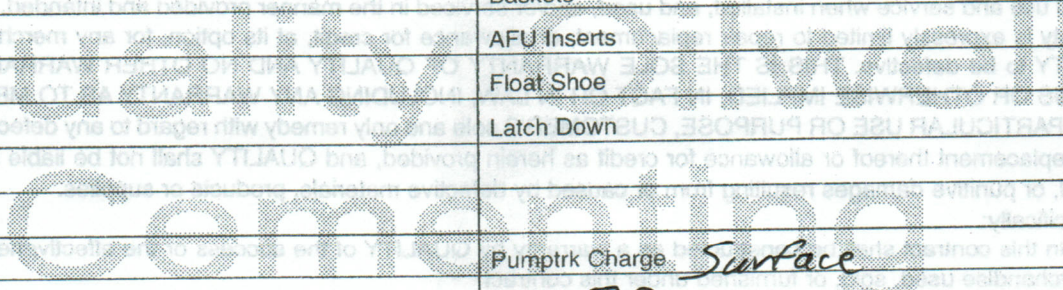
JOB SERVICES & REMARKS

Remarks:	Cement did circulate
Rat Hole	
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	
Handling	184
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface	Tax	
Mileage	38	Discount	
Signature	Don Budz	Total Charge	





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

TICKET 26831
 PAGE 1 OF 2

1. SERVICE LOCATIONS: Hays Ks WELL/PROJECT NO: #1 LEASE: Lewis COUNTY/PARISH: Boone STATE: Ks CITY: DATE: 10-28-14 OWNER: same

2. Ness City Ks CONTRACTOR: Royal Drig # RIG NAME/NO.: SHIPPED VIA: CT DELIVERED TO: Locations ORDER NO.:

3. WELL TYPE: oil WELL CATEGORY: Development JOB PURPOSE: 2-stage WELL PERMIT NO.: WELL LOCATION:

4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.		
575						60 mi				6.00	360.00
579					Pump charge (2-stage)	1 ea			4500'	2000.00	2000.00
221					Kel	4 gal				24.00	100.00
281					Mud Flush	500 gal				1.95	625.00
290					D-Air	4 gal				42.00	168.00
402					Centralizers	17 ea			5 1/2"	70.00	770.00
403					Basket	1 ea				300.00	300.00
407					Insert Float Shoe w/FL 11	1 ea				375.00	375.00
408					DV Tool & Plug Set	1 ea				350.00	350.00
417					DV LD Plug Bottle	1 ea				200.00	200.00

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 COMPANY AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 10-28-14 TIME SIGNED: 1925 A.M. P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1
 PAGE 2 2
 subtotal 19086.00
 Gove TAX 7.99%
 1,116.70
 TOTAL 19,202.70

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

SWIFT OPERATOR: Mitch APPROVAL:

Thank You!



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

TICKET CONTINUATION

TICKET No. 26831

CUSTOMER Charter Energy

WELL #1 Lewis

DATE 10-28-14

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		DATE		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.	UM		
325		2				Standard Cement	135	skts			14.50	2537.50
330		2				SMD Cement	240	skts			18.50	4440.00
276		2				Flaccela	100	#			2.50	250.00
283		2				Salt	900	#			2.00	180.00
284		2				Ca/SOD	85	skts			35.00	280.00
285		2				CFR-1	80	#			4.50	360.00
581		2									2.00	830.00
583		2									1.00	760.50

SERVICE CHARGE
MILEAGE CHARGE TOTAL WEIGHT 25342, LOADED MILES 60

CUBIC FEET
TON MILES 760.5

CONTINUATION TOTAL 9638.00

JOB LOG

SWIFT Services, Inc.

DATE 10-28-14 PAGE NO. 7

CUSTOMER Charter Energy WELL NO. #1 LEASE Lewis JOB TYPE 2-stage TICKET NO. 26831

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							on loc w/FE
								RTP 4500'
								5 1/2" x 15.5 # x 4488' x 42'
								Cent. 1, 3, 5, 7, 9, 11, 13, 15, 17, 52, 54
								Bank 53
								DV 53 @ 2216'
	1530							Start FE
	1650							Break Circ
	1730	5	0			200		Start Pref. 50 gal Mud flush
	1735	5	32/0			200		20 Bbl KCL flush
	1743		42					Start 195 sks FA-2 Cement
								End Cement
								Wash P/L
								Drop & D Plug
	1750	6	0			200		Start Displacement water
	1800	5	55/0			250		mud
	1806	5	30/0			350		KCL
	1810		20 (106)			650/1400		Land Plug
								Release Pressure
								Float Held
	1815							Drop Opening Plug
	1820	2	7/5					Plug RH & MH 30/20 SMD cement
	1830					1400		Start SMD Cement
	1831	5	0			200		Start SMD Cement
	1852		105					End Cement
								Drop Closing Plug
	1857	6	0			200		Start Displacement
	1902	5	28			300		Circ Cement
	1907		53			550/1400		Land Plug
								Release Pressure
								DV closed
								Circ 450 sks to pit
								Thank you
								Nick, Austin, Isaac & Tyler