



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
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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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Charter Energy, Inc.
Well Name	Ottley 3
Doc ID	1152174

Tops

Name	Top	Datum
Anhydrite	2172	548
Heebner	3778	-1058
Lansing	3817	-1097
BKC	4126	-1406
Marmaton	4138	-1418
Pawnee	4230	-1510
Ft. Scott	4308	-1588
Cherokee	4336	-1616
Missippian	4409	-1689



DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbot

Ottley #3

33-13s-29w Gove,KS

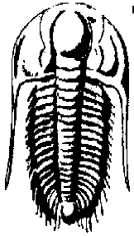
Start Date: 2013.02.19 @ 16:53:00

End Date: 2013.02.19 @ 23:38:30

Job Ticket #: 51286 DST #: 1

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

Printed: 2013.03.06 @ 11:41:06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51286 **DST#: 1**
Test Start: 2013.02.19 @ 16:53:00

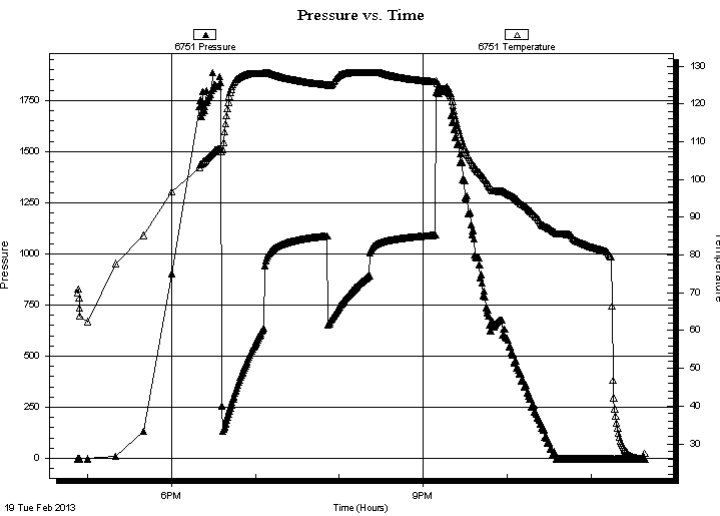
GENERAL INFORMATION:

Formation: **Lansing 'A-C'**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 18:36:20 Tester: Chuck Smith
Time Test Ended: 23:38:30 Unit No: 62
Interval: 3781.00 ft (KB) To 3838.00 ft (KB) (TVD) Reference Elevations: 2720.00 ft (KB)
Total Depth: 3838.00 ft (KB) (TVD) 2713.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 6751 Outside

Press @ Run Depth: psig @ 3782.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.19 End Date: 2013.02.19 Last Calib.: 2013.02.19
Start Time: 16:53:05 End Time: 23:38:29 Time On Btm:
Time Off Btm:

TEST COMMENT: B.O.B. @ 1 1/2 min.
No return.
B.O.B. @ 2 1/2 min.
No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
918.00	W 100w	12.88
260.00	MW 20m 80w	3.65
651.00	MW 50m 50w Oil spots	9.13

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51286 **DST#: 1**
Test Start: 2013.02.19 @ 16:53:00

Tool Information

Drill Pipe:	Length: 3776.00 ft	Diameter: 3.80 inches	Volume: 52.97 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 52.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3781.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3762.00	
Shut In Tool	5.00			3767.00	
Hydraulic tool	5.00			3772.00	
Packer	5.00			3777.00	20.00 Bottom Of Top Packer
Packer	4.00			3781.00	
Stubb	1.00			3782.00	
Recorder	0.00	8018	Inside	3782.00	
Recorder	0.00	6751	Outside	3782.00	
Perforations	20.00			3802.00	
Change Over Sub	1.00			3803.00	
Drill Pipe	31.00			3834.00	
Bullnose	1.00			3835.00	
Bullnose	3.00			3838.00	57.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

33-13s-29w Gove,KS

PO Box 252
Great Bend, KS 67530

Ottley #3

Job Ticket: 51286

DST#: 1

ATTN: Kurt Talbot

Test Start: 2013.02.19 @ 16:53:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity: 127000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
918.00	W 100w	12.877
260.00	MW 20m 80w	3.647
651.00	MW 50m 50w Oil spots	9.132

Total Length: 1829.00 ft Total Volume: 25.656 bbl

Num Fluid Samples: 0

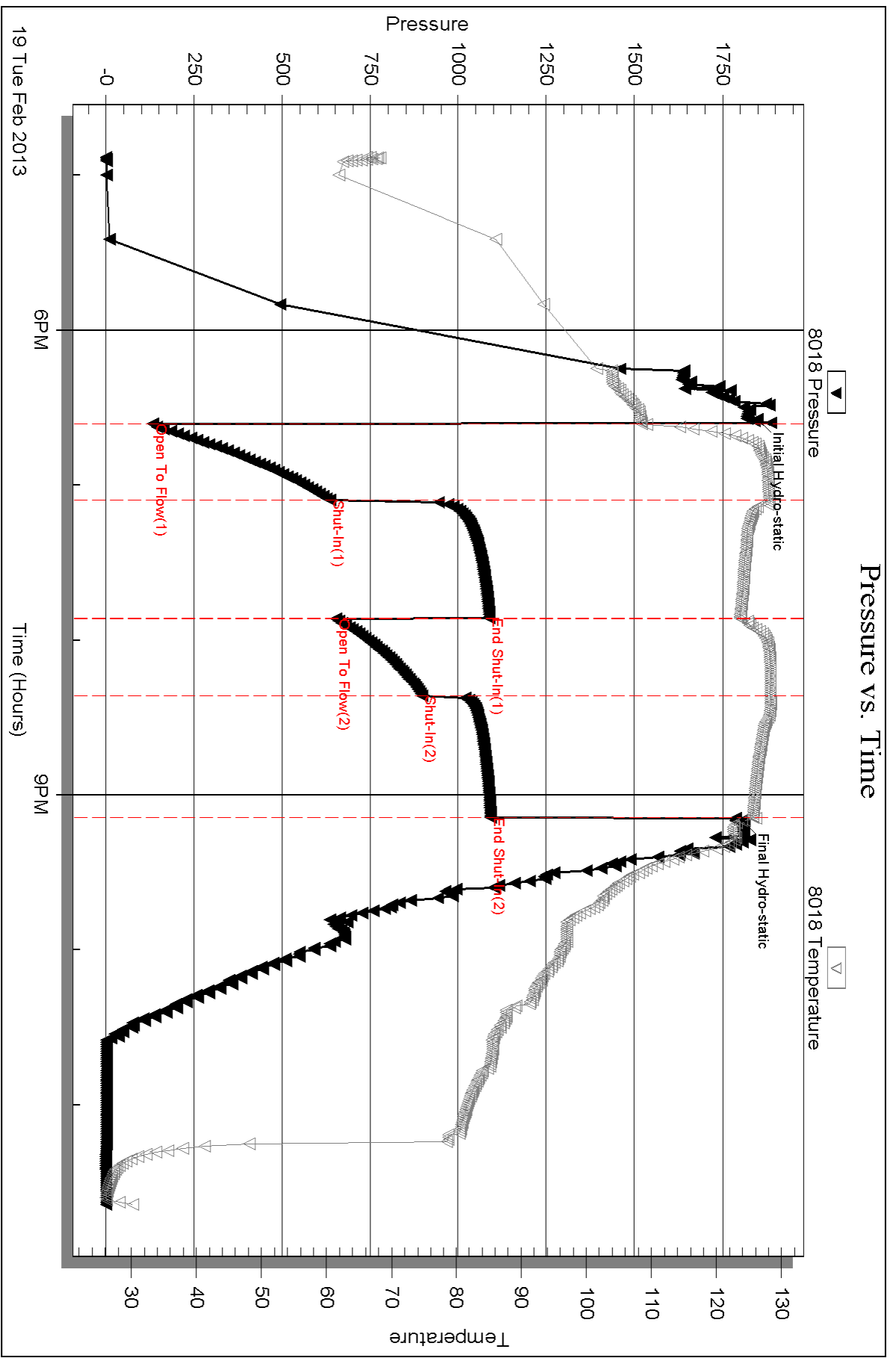
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .184 @ 25 Degrees F = 127000 PPM



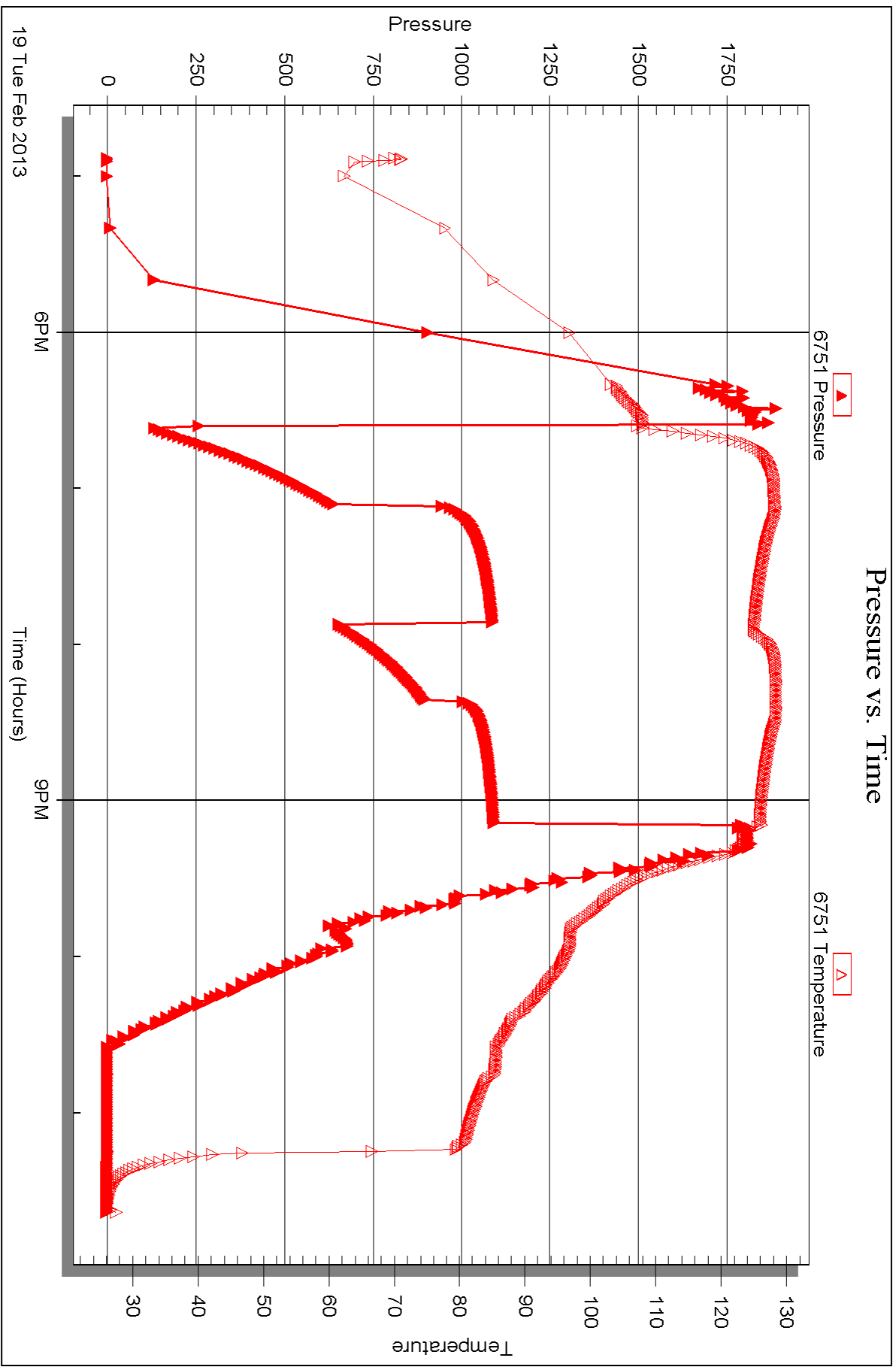
Serial #: 6751

Outside

Charter Energy

Oilley #3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbot

Ottley #3

33-13s-29w Gove,KS

Start Date: 2013.02.23 @ 07:56:00

End Date: 2013.02.23 @ 13:59:09

Job Ticket #: 51482 DST #: 2

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

Printed: 2013.03.06 @ 11:40:29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51482 **DST#: 2**
Test Start: 2013.02.23 @ 07:56:00

GENERAL INFORMATION:

Formation: **LKC"H-I"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:31:40
Time Test Ended: 13:59:09
Interval: **3982.00 ft (KB) To 4050.00 ft (KB) (TVD)**
Total Depth: 4050.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 68
Reference Elevations: 2720.00 ft (KB)
2713.00 ft (CF)
KB to GR/CF: 7.00 ft

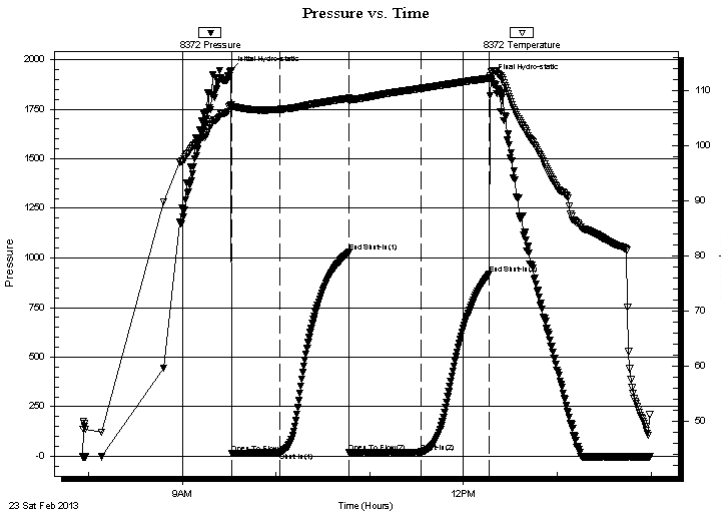
Serial #: 8372

Outside

Press @ Run Depth: 20.93 psig @ 3983.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.23 End Date: 2013.02.23 Last Calib.: 2013.02.23
Start Time: 07:56:05 End Time: 13:59:10 Time On Btm: 2013.02.23 @ 09:31:10
Time Off Btm: 2013.02.23 @ 12:17:39

TEST COMMENT: IF:(30min) 1" blow in 3 min. 2" in 12 min. Built to 2.5"
ISl:(45min) No Return
FF:(45min) 1/2" blow in 15 min & throughout.
FSl:(45min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1943.37	107.38	Initial Hydro-static
1	15.06	106.66	Open To Flow (1)
32	18.41	106.57	Shut-In(1)
76	1028.08	108.59	End Shut-In(1)
76	18.47	108.06	Open To Flow (2)
122	20.93	110.37	Shut-In(2)
166	920.47	112.22	End Shut-In(2)
167	1903.56	113.32	Final Hydro-static

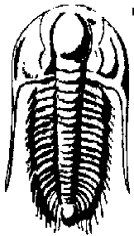
Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud w / oil spks in tool	0.21

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51482 **DST#: 2**
Test Start: 2013.02.23 @ 07:56:00

GENERAL INFORMATION:

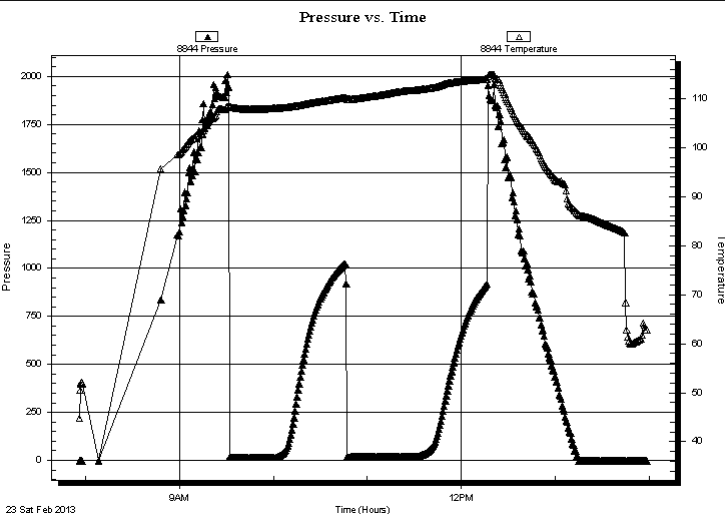
Formation: **LKC"H-I"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 09:31:40 Tester: Andy Carreira
Time Test Ended: 13:59:09 Unit No: 68
Interval: 3982.00 ft (KB) To 4050.00 ft (KB) (TVD) Reference Elevations: 2720.00 ft (KB)
Total Depth: 4050.00 ft (KB) (TVD) 2713.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8844

Inside

Press @ RunDepth: psig @ 3983.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.23 End Date: 2013.02.23 Last Calib.: 2013.02.23
Start Time: 07:56:05 End Time: 13:58:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(30min) 1" blow in 3 min. 2" in 12 min. Built to 2.5"
ISl:(45min) No Return
FF:(45min) 1/2" blow in 15 min & throughout.
FSl:(45min) No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud w / oil spks in tool	0.21

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
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbot

33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51482 **DST#: 2**
Test Start: 2013.02.23 @ 07:56:00

Tool Information

Drill Pipe:	Length: 3966.00 ft	Diameter: 3.80 inches	Volume: 55.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 55.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3982.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3963.00	
Shut In Tool	5.00			3968.00	
Hydraulic tool	5.00			3973.00	
Packer	5.00			3978.00	20.00 Bottom Of Top Packer
Packer	4.00			3982.00	
Stubb	1.00			3983.00	
Recorder	0.00	8844	Inside	3983.00	
Recorder	0.00	8372	Outside	3983.00	
Perforations	5.00			3988.00	
Change Over Sub	1.00			3989.00	
Drill Pipe	32.00			4021.00	
Change Over Sub	1.00			4022.00	
Perforations	25.00			4047.00	
Bullnose	3.00			4050.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

33-13s-29w Gove,KS

PO Box 252
Great Bend, KS 67530

Ottley #3

Job Ticket: 51482

DST#: 2

ATTN: Kurt Talbot

Test Start: 2013.02.23 @ 07:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud w / oil spks in tool	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

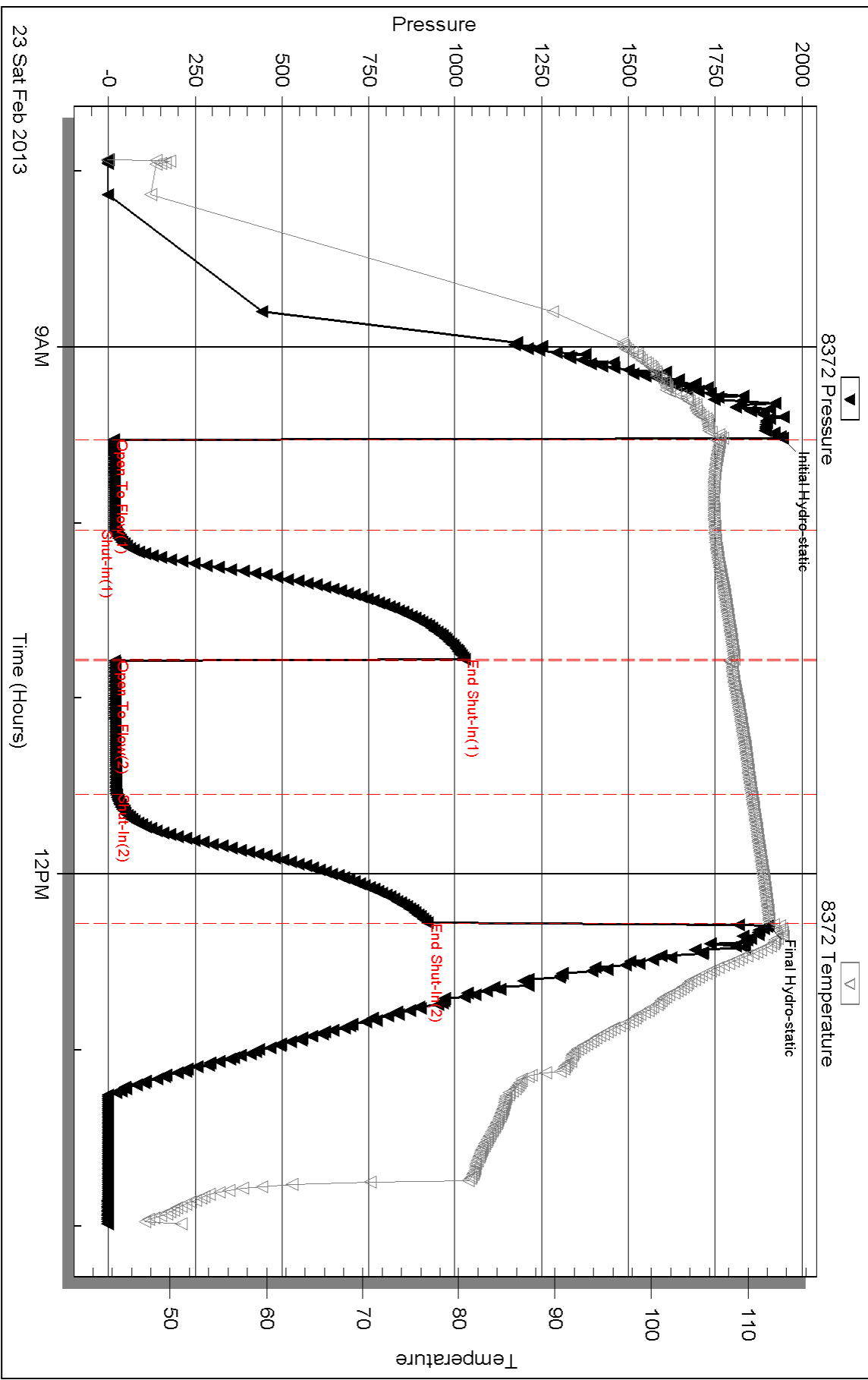
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



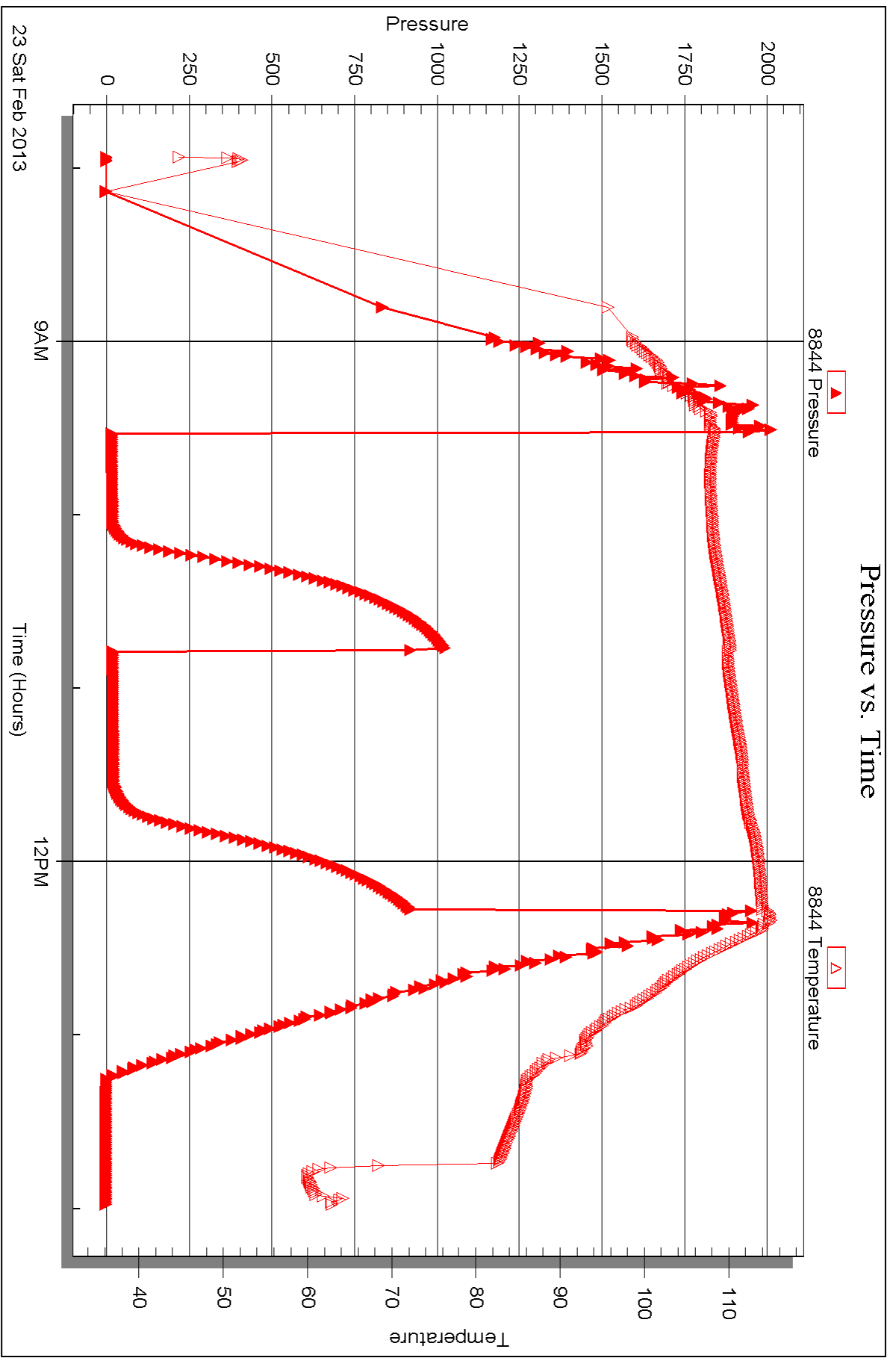
Serial #: 8844

Inside

Charter Energy

Oilley #3

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbot

Ottley #3

33-13s-29w Gove,KS

Start Date: 2013.02.24 @ 00:14:05

End Date: 2013.02.24 @ 06:46:50

Job Ticket #: 51483 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.06 @ 11:39:40



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

33-13s-29w Gove, KS
Ottley #3
 Job Ticket: 51483 **DST#: 3**
 Test Start: 2013.02.24 @ 00:14:05

GENERAL INFORMATION:

Formation: **LKC"J-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:33:50
 Time Test Ended: 06:46:50
 Interval: **4034.00 ft (KB) To 4112.00 ft (KB) (TVD)**
 Total Depth: 4112.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 68
 Reference Elevations: 2720.00 ft (KB)
 2713.00 ft (CF)
 KB to GR/CF: 7.00 ft

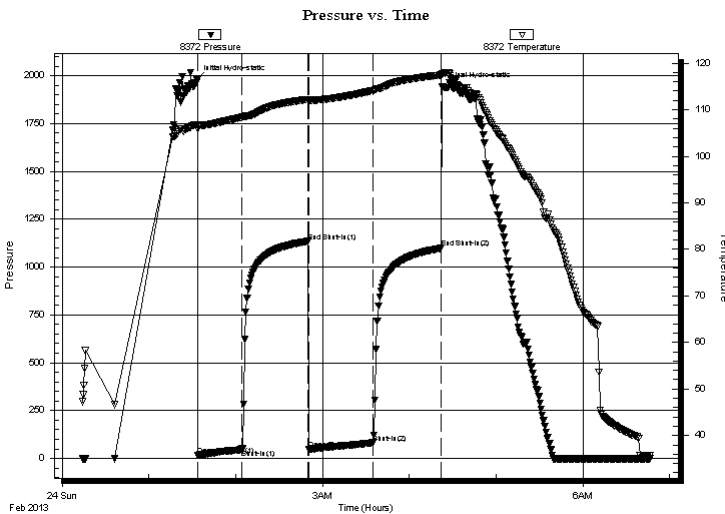
Serial #: 8372

Outside

Press @ Run Depth: 80.96 psig @ 4041.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.02.24 End Date: 2013.02.24 Last Calib.: 2013.02.24
 Start Time: 00:14:05 End Time: 06:46:50 Time On Btm: 2013.02.24 @ 01:33:10
 Time Off Btm: 2013.02.24 @ 04:23:10

TEST COMMENT: IF:(30min) 1" blow in 1 min. 3" in 7 min. Built to 6" in 28 min.
 IS:(45min) No Return
 FF:(45min) 1" blow in 4 min. 3" in 18min. Built to 6" in 42 min.
 FS:(45min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1978.84	106.78	Initial Hydro-static
1	15.75	105.89	Open To Flow (1)
32	46.87	108.39	Shut-In(1)
77	1134.32	112.23	End Shut-In(1)
78	46.88	111.81	Open To Flow (2)
122	80.96	114.10	Shut-In(2)
170	1098.80	117.44	End Shut-In(2)
171	1942.65	117.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	WM w =20% m=80%	1.96

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51483 **DST#: 3**
Test Start: 2013.02.24 @ 00:14:05

GENERAL INFORMATION:

Formation: **LKC"J-K"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 01:33:50 Tester: Andy Carreira
Time Test Ended: 06:46:50 Unit No: 68

Interval: **4034.00 ft (KB) To 4112.00 ft (KB) (TVD)** Reference Elevations: 2720.00 ft (KB)
Total Depth: 4112.00 ft (KB) (TVD) 2713.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

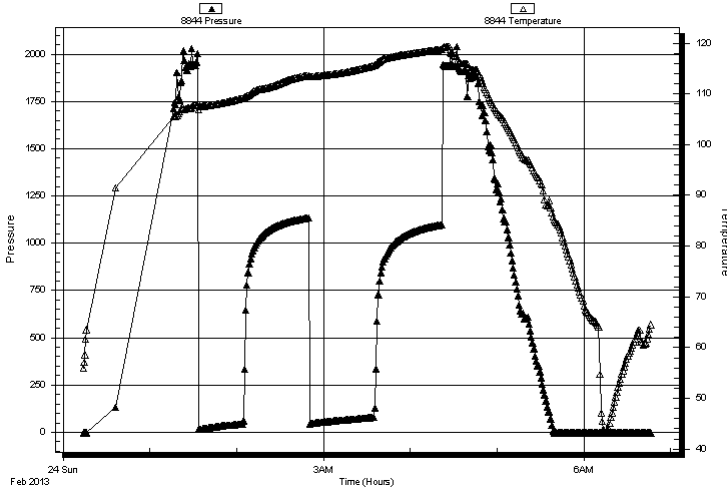
Serial #: 8844

Inside

Press @ Run Depth: psig @ 4041.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.24 End Date: 2013.02.24 Last Calib.: 2013.02.24
Start Time: 00:14:05 End Time: 06:46:40 Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(30min) 1" blow in 1 min. 3" in 7 min. Built to 6" in 28 min.
ISl:(45min) No Return
FF:(45min) 1" blow in 4 min. 3" in 18min. Built to 6" in 42 min.
FSl:(45min) No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
140.00	WM w =20% m=80%	1.96

* 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
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbot

33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51483 **DST#: 3**
Test Start: 2013.02.24 @ 00:14:05

Tool Information

Drill Pipe:	Length: 4028.00 ft	Diameter: 3.80 inches	Volume: 56.50 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume: 56.50 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4034.00 ft			Final	60000.00 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			4015.00	
Shut In Tool	5.00			4020.00	
Hydraulic tool	5.00			4025.00	
Packer	5.00			4030.00	20.00 Bottom Of Top Packer
Packer	4.00			4034.00	
Stubb	1.00			4035.00	
Perforations	5.00			4040.00	
Change Over Sub	1.00			4041.00	
Recorder	0.00	8844	Inside	4041.00	
Recorder	0.00	8372	Outside	4041.00	
Drill Pipe	64.00			4105.00	
Change Over Sub	1.00			4106.00	
Perforations	3.00			4109.00	
Bullnose	3.00			4112.00	78.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

33-13s-29w Gove, KS

PO Box 252
Great Bend, KS 67530

Ottley #3

Job Ticket: 51483

DST#: 3

ATTN: Kurt Talbot

Test Start: 2013.02.24 @ 00:14:05

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:

26000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	WM w =20% m=80%	1.964

Total Length: 140.00 ft Total Volume: 1.964 bbl

Num Fluid Samples: 0

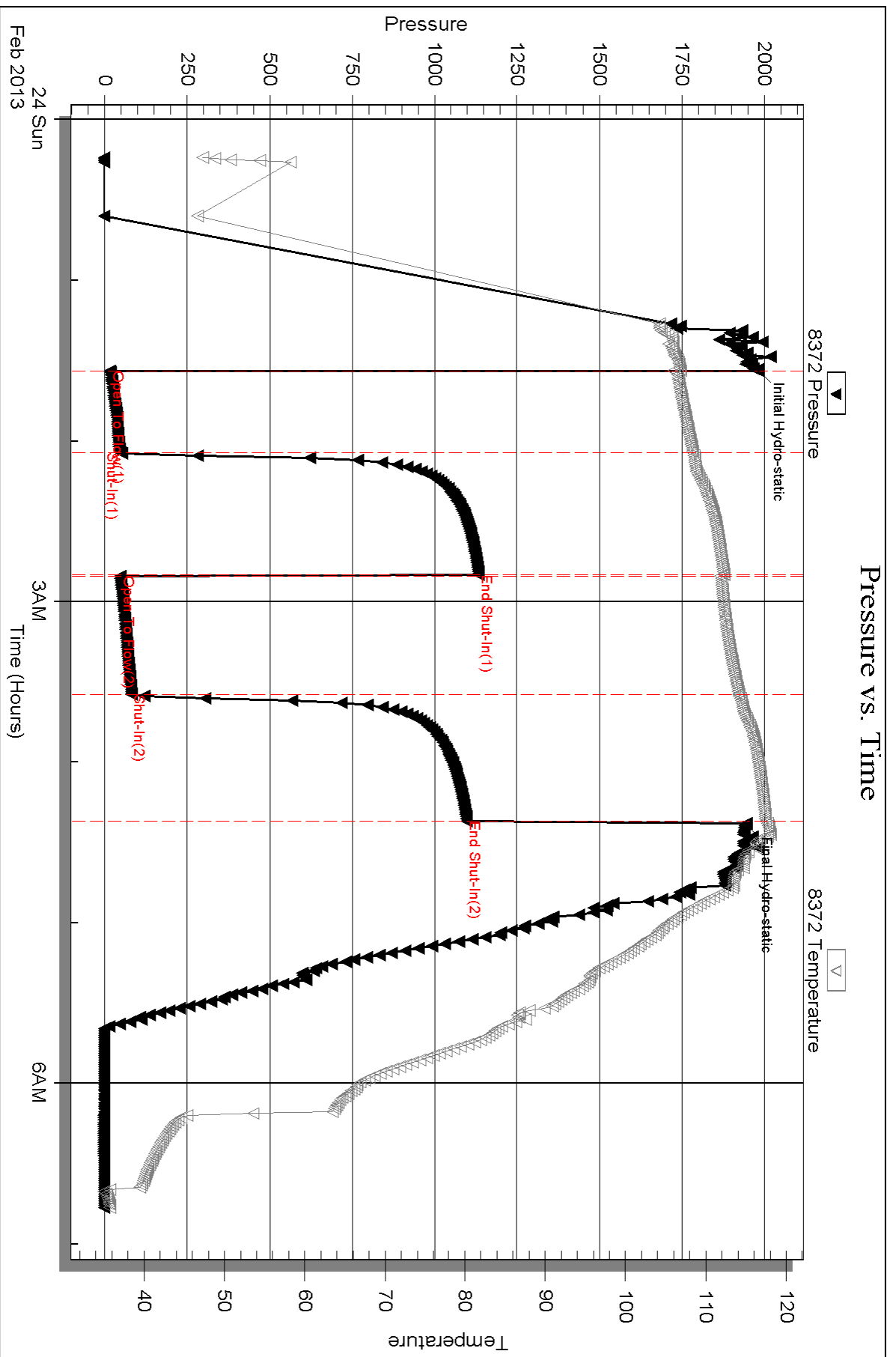
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



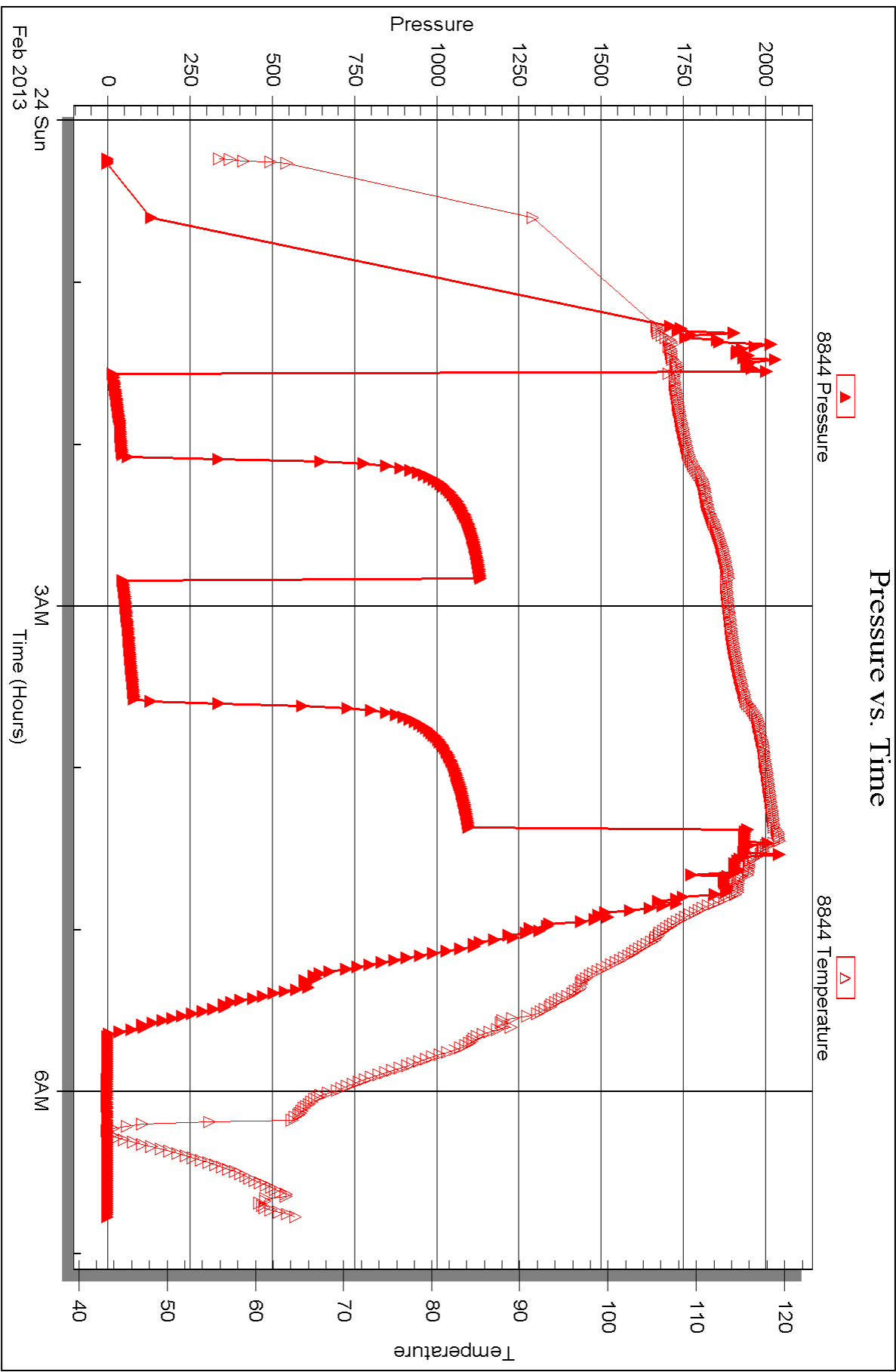
Serial #: 8844

Inside

Charter Energy

Oilley #3

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbot

Ottley #3

33-13s-29w Gove,KS

Start Date: 2013.02.25 @ 09:37:05

End Date: 2013.02.25 @ 16:45:09

Job Ticket #: 51484 DST #: 4

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

Printed: 2013.03.06 @ 11:39:00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

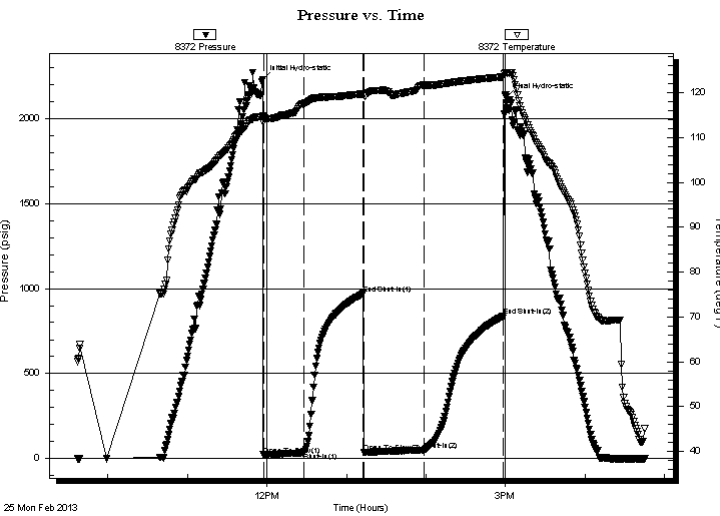
33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51484 **DST#: 4**
Test Start: 2013.02.25 @ 09:37:05

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:57:10
Time Test Ended: 16:45:09
Interval: 4372.00 ft (KB) To 4432.00 ft (KB) (TVD)
Total Depth: 4432.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 68
Reference Elevations: 2720.00 ft (KB)
2713.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8372 Outside
Press @ Run Depth: 48.96 psig @ 4379.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.25 End Date: 2013.02.25 Last Calib.: 2013.02.25
Start Time: 09:37:05 End Time: 16:45:10 Time On Btm: 2013.02.25 @ 11:56:50
Time Off Btm: 2013.02.25 @ 15:00:09

TEST COMMENT: IF:(30min) 1" blow in 3 min. 3" in 12 min. 5" in 25 min. built to 5.5"
ISl:(45min) Weak surface blow back died in 15 min.
FF:(45min) 1" blow in 3 min. 3" in 14 min. 5" in 33 min. Built to 6.25"
FSl:(60min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.70	114.75	Initial Hydro-static
1	21.03	113.39	Open To Flow (1)
31	33.50	117.60	Shut-In(1)
76	970.34	119.74	End Shut-In(1)
77	35.40	119.42	Open To Flow (2)
122	48.96	121.67	Shut-In(2)
182	837.71	123.55	End Shut-In(2)
184	2126.96	124.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	HOCM o=25% m=75%	0.90
6.00	HOCM o=40% m=60%	0.08

* 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
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbot

33-13s-29w Gove, KS
Ottley #3
Job Ticket: 51484 **DST#: 4**
Test Start: 2013.02.25 @ 09:37:05

Tool Information

Drill Pipe:	Length: 4380.00 ft	Diameter: 3.80 inches	Volume: 61.44 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 61.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4372.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4353.00	
Shut In Tool	5.00			4358.00	
Hydraulic tool	5.00			4363.00	
Packer	5.00			4368.00	20.00 Bottom Of Top Packer
Packer	4.00			4372.00	
Stubb	1.00			4373.00	
Perforations	5.00			4378.00	
Change Over Sub	1.00			4379.00	
Recorder	0.00	8844	Inside	4379.00	
Recorder	0.00	8372	Outside	4379.00	
Drill Pipe	31.00			4410.00	
Change Over Sub	1.00			4411.00	
Perforations	18.00			4429.00	
Bullnose	3.00			4432.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

33-13s-29w Gove,KS

PO Box 252
Great Bend, KS 67530

Ottley #3

Job Ticket: 51484

DST#: 4

ATTN: Kurt Talbot

Test Start: 2013.02.25 @ 09:37:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
64.00	HOCM o=25% m=75%	0.898
6.00	HOCM o=40% m=60%	0.084

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0

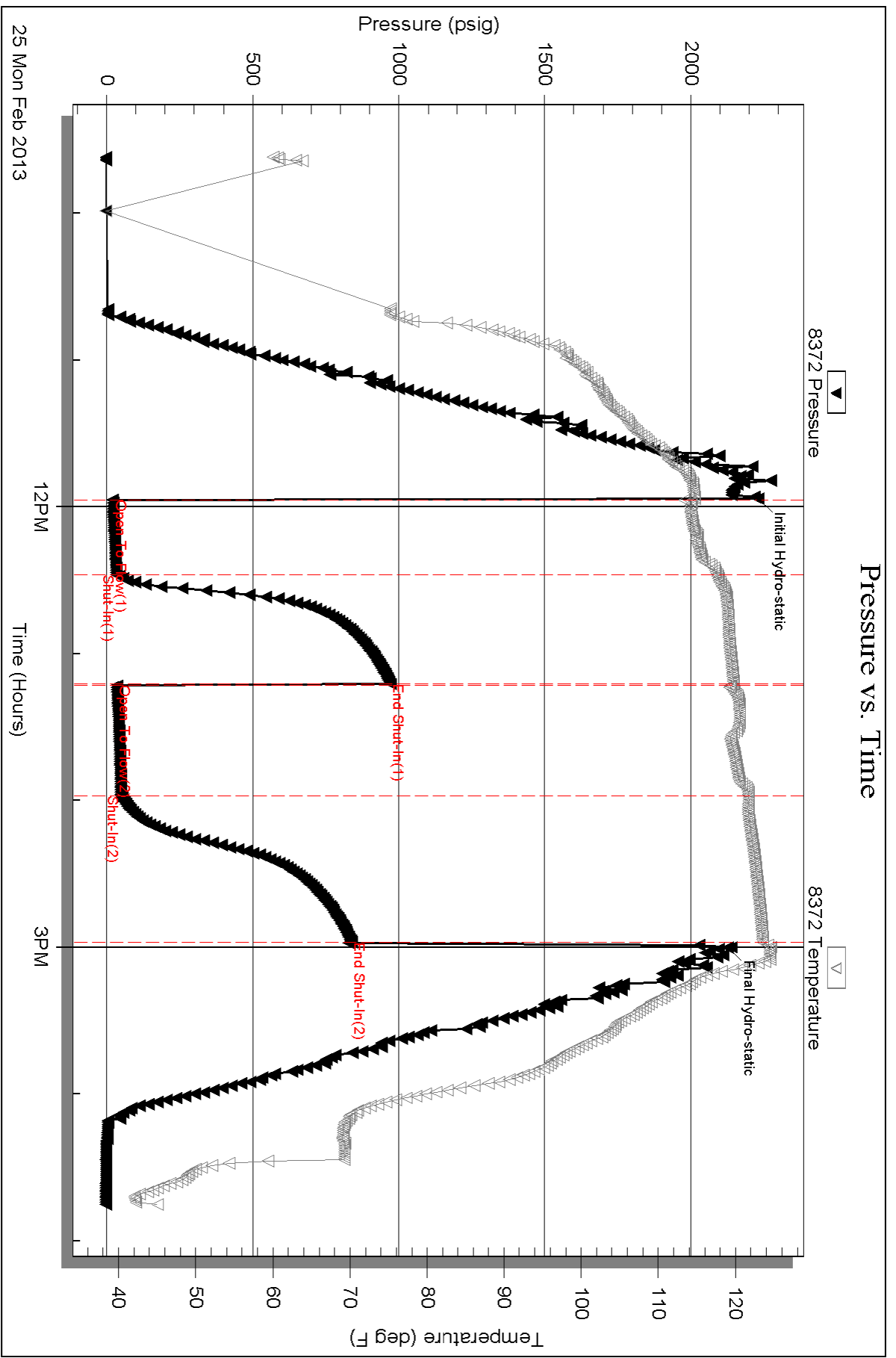
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



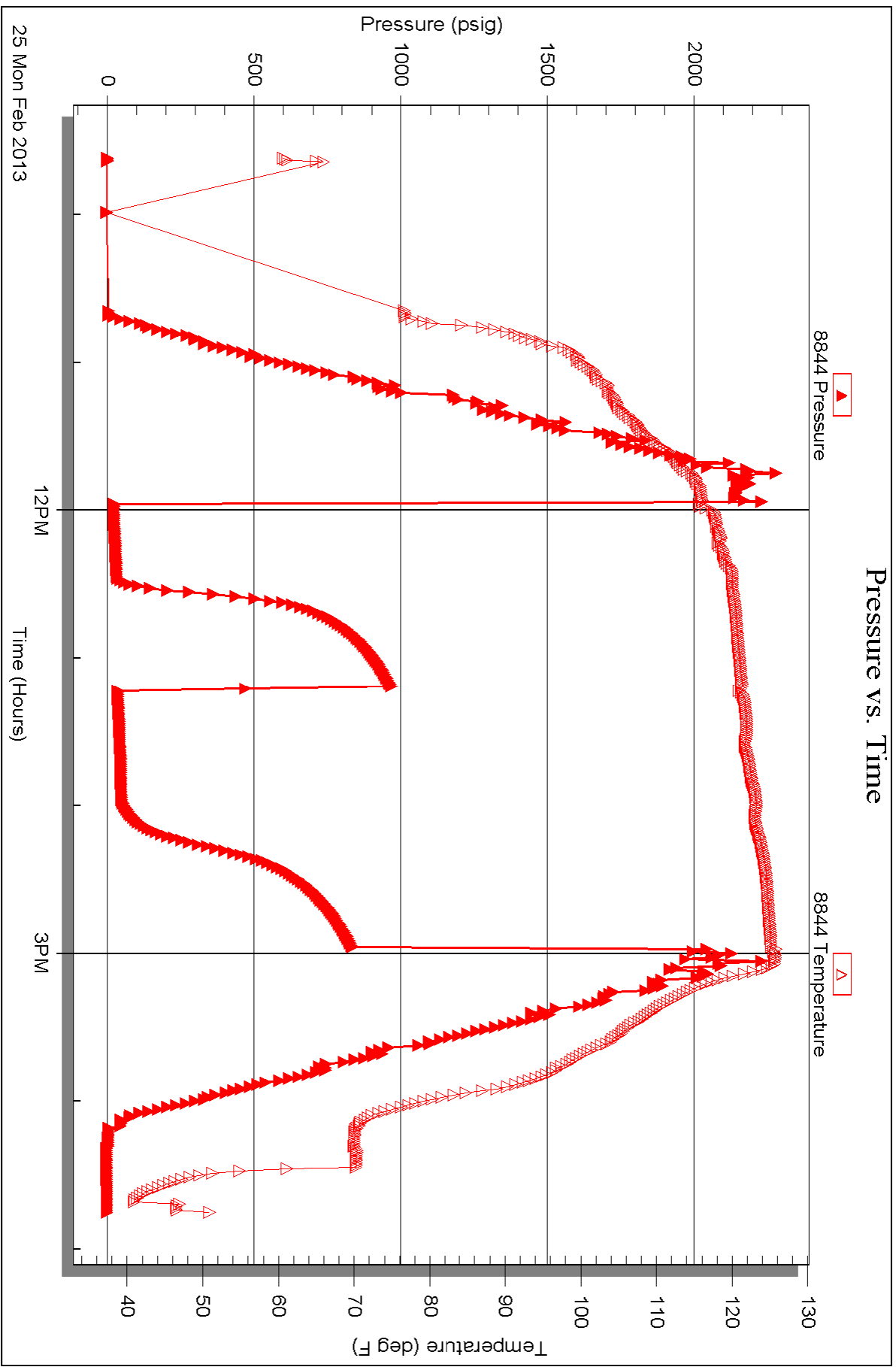
Serial #: 8844

Inside

Charter Energy

Oilley #3

DST Test Number: 4

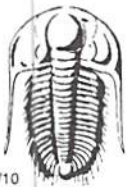


25 Mon Feb 2013

Triobite Testing, Inc

Ref. No: 51484

Printed: 2013.03.06 @ 11:39:03



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51286

Well Name & No. Ottley #3 Test No. 1 Date 2-19-13
 Company Charter Energy Elevation 2720 KB 2713 GL
 Address POB 252 Great Bend, KS 67530
 Co. Rep / Geo. Kurt Talbot Rig Royal #1
 Location: Sec. 33 Twp. 13s Rge. 29w Co. Gove State KS

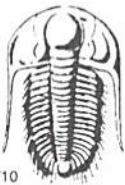
Interval Tested 3781 - 3838 Zone Tested Lansing 'A-C'
 Anchor Length 57 Drill Pipe Run 3776 Mud Wt. 9.0
 Top Packer Depth 3777 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 3781 Wt. Pipe Run 0 WL 5.2
 Total Depth 3838 Chlorides 1300 ppm System LCM 1"
 Blow Description B.O.B. @ 1 1/2 min. Tool slid 3ft.
No return.
B.O.B. @ 2 1/2 min.
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>651</u>	<u>Feet of MW oil spots</u>		<u>50</u>	<u>50</u>	<u>50</u>
<u>260</u>	<u>Feet of MW</u>		<u>80</u>	<u>20</u>	<u>20</u>
<u>918</u>	<u>Feet of W</u>		<u>100</u>		

Rec Total 1829 BHT 126 Gravity - API RW 184 @ 25 ° F Chlorides 127,000 ppm

(A) Initial Hydrostatic <u>1849</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>16:15</u>
(B) First Initial Flow <u>133</u>	<input type="checkbox"/> Jars	T-Started <u>16:53</u>
(C) First Final Flow <u>6.35</u>	<input type="checkbox"/> Safety Joint	T-Open <u>18:36</u>
(D) Initial Shut-In <u>1089</u>	<input checked="" type="checkbox"/> Circ Sub <u>50</u>	T-Pulled <u>21:09</u>
(E) Second Initial Flow <u>651</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:39</u>
(F) Second Final Flow <u>897</u>	<input checked="" type="checkbox"/> Mileage <u>121RT</u> 187.55	Comments
(G) Final Shut-In <u>1093</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1805</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1387.55</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't

Approved By Kurt Talbot Sub Total 1387.55 Our Representative Chuck Smith



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51482

4/10

Well Name & No. OTLEY # 3 Test No. 2 Date 2-23-13
 Company CHARTER ENERGY INC Elevation 2719 KB 2713 GL
 Address PO BOX 252 GREAT BEND KS. 67530+0252
 Co. Rep / Geo. Kurt Talbott Rig Royal #1
 Location: Sec. 33 Twp. 13S Rge. 29W Co. GOVE State Ks

Interval Tested 3982-4050 Zone Tested LKC "H-I"
 Anchor Length 68' Drill Pipe Run 3966 Mud Wt. 9.3
 Top Packer Depth 3977 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3982 Wt. Pipe Run 0 WL 5.2
 Total Depth 4050 Chlorides 2200 ppm System LCM 2#

Blow Description IF: 1" blow in 3min. 2" in 12min. Built to 2.5"
ESI: NO RETURN
FF: 2" blow in 15min & throughout open
FSI: NO RETURN

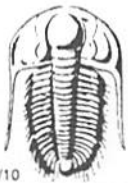
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Feet of mud w/oil spks in tool.</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1943 Test 1250 T-On Location 06:50
 (B) First Initial Flow 15 Jars _____ T-Started 07:56
 (C) First Final Flow 18 Safety Joint _____ T-Open 09:32
 (D) Initial Shut-In 1028 Circ Sub _____ T-Pulled 12:17
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 14:00
 (F) Second Final Flow 20 Mileage 187.55 Comments motel
 (G) Final Shut-In 920 Sampler _____
 (H) Final Hydrostatic 1903 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 45 Extra Packer _____
45 Extra Recorder _____ Sub Total 0
 Final Flow _____ Day Standby _____ Total 1437.55
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 1437.55

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. 51483

4/10

Well Name & No. Ottley #3 Test No. 3 Date 2-23-13
 Company Charter Energy Inc Elevation 2719 KB 2713 GL
 Address PO BOX 252 GREAT BEND KS 67530+0252
 Co. Rep / Geo. Kurt Talbott Rig Royal #1
 Location: Sec. 33 Twp. 13S Rge. 29W Co. GOVE State Ks

Interval Tested 4034-4112 Zone Tested LKC "J-K"
 Anchor Length 78 Drill Pipe Run 4028 Mud Wt. 9.3
 Top Packer Depth 4029 Drill Collars Run 0 Vis 5.2
 Bottom Packer Depth 4034 Wt. Pipe Run 0 WL 5.2
 Total Depth 4112 Chlorides 2200 ppm System LCM 2#
 Blow Description IF: 1" blow in 1min. 3" in 7min Built to 6" in 28min
ISI: NO RETURN
FF: 1" blow in 4min. 3" in 18min Built to 6" in 42min
FSI: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>WM</u>			<u>20</u>	<u>80</u>
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 140 BHT 117° Gravity _____ API RW .482 @ 37 °F Chlorides 26000 ppm

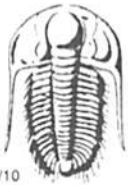
(A) Initial Hydrostatic 1978 Test 1250 T-On Location 23:45
 (B) First Initial Flow 15 Jars _____ T-Started 00:14
 (C) First Final Flow 46 Safety Joint _____ T-Open 01:34
 (D) Initial Shut-In 1134 Circ Sub _____ T-Pulled 04:19
 (E) Second Initial Flow 46 Hourly Standby _____ T-Out 06:47
 (F) Second Final Flow 80 Mileage 187.55 Comments Motel!
 (G) Final Shut-In 1098 Sampler _____
 (H) Final Hydrostatic 1942 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Sub Total 1437.55 Total 1437.55 MP/DST Disc't _____

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. 51484

4/10

Well Name & No. Ottley #3 Test No. 4 Date 2-25-13
 Company Choctaw Energy Inc Elevation 2719 KB 2713 GL
 Address PO Box 252 GREAT BEND KS. 67530+0252
 Co. Rep / Geo. Kurt Talbott Rig ROYAL #1
 Location: Sec. 33 Twp. 13S Rge. 29W Co. GOVE State Ks

Interval Tested 4372-4432 Zone Tested Miss.
 Anchor Length 60' Drill Pipe Run 4380 Mud Wt. 9.5
 Top Packer Depth 4367 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 4372 Wt. Pipe Run 0 WL 6.8
 Total Depth 4432 Chlorides 2800 ppm System LCM 1.5

Blow Description FF: 1" blow in 3min. 3" in 12min. 5" in 25min. built to 5.5"
FSD: Weak surface blowback died in 15min
FF: 1" blow in 3min. 3" in 14min. 5" in 33min Built 6.25"
FSD: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
70					
6	HOCm		40%		60%
64	HOCm		25%		75%

Rec Total 70 BHT 123° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2232
 (B) First Initial Flow 21
 (C) First Final Flow 33
 (D) Initial Shut-In 970
 (E) Second Initial Flow 35
 (F) Second Final Flow 48
 (G) Final Shut-In 837
 (H) Final Hydrostatic 2126

Test @ 1250
 Jars @ 250
 Safety Joint @ 75
 Circ Sub
 Hourly Standby
 Mileage @ 187.55
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

T-On Location 08:02
 T-Started 09:37
 T-Open 11:58
 T-Pulled 14:58
 T-Out 16:46
 Comments _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

JARS + JOINT MOTEI
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1762.55
 MP/DST Disc't _____

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.



Company: *Chaco Energy, Inc.*
Well: *000623*
Field: *BZA*
Location: *W-SE-SE (133° ON & 846° ERL)*
Sec: *23* **Twp:** *23S* **Rng:** *23W*
County: *Wash* **State:** *Kan*
Co: *23A* **KB:** *2720*

Operator: *Regal Drilling Company Rig #1*
Start: *2/25/14* **City:** *23S-23W*
End: *2/25/14* **City:** *23S-23W*
Mod Up: *2335* **Type Mod:** *Chemical/Blowout*

Samples Saved From: *3600 to 670*
Drilling Time Start From: *3600 to 670*
Samples Examined From: *3600 to 670*
Geological Supervision From: *3600 to 210*
Geologist on Well: *B. Tabbot*

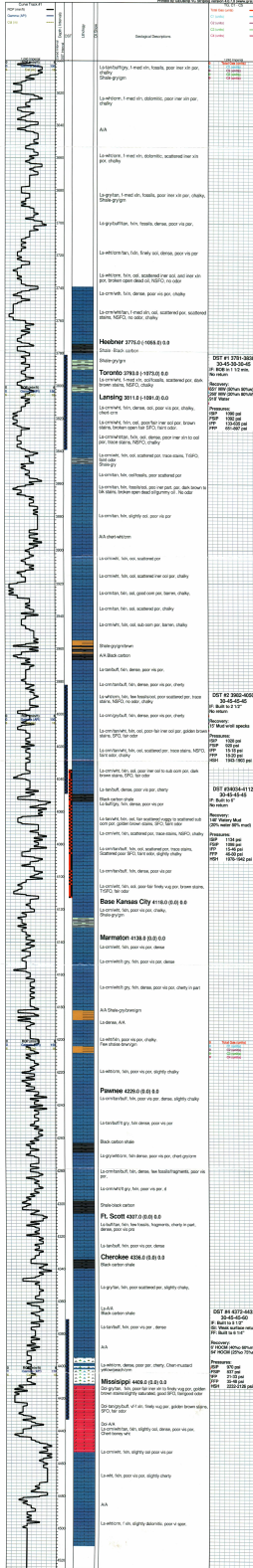
Surface Casings: *8.625-200*
Production Casings: *8.125-0*

Electronic Surveys: *BY: NABROS; CN; CCL; DML; AMS*

Chart Range	Chart	Chart
Chart	Chart	Chart
3600-3700	3700-3800	3800-3900
3900-4000	4000-4100	4100-4200
4200-4300	4300-4400	4400-4500
4500-4600	4600-4700	4700-4800
4800-4900	4900-5000	5000-5100
5100-5200	5200-5300	5300-5400
5400-5500	5500-5600	5600-5700
5700-5800	5800-5900	5900-6000
6000-6100	6100-6200	6200-6300
6300-6400	6400-6500	6500-6600
6600-6700	6700-6800	6800-6900
6900-7000	7000-7100	7100-7200
7200-7300	7300-7400	7400-7500
7500-7600	7600-7700	7700-7800
7800-7900	7900-8000	8000-8100
8100-8200	8200-8300	8300-8400
8400-8500	8500-8600	8600-8700
8700-8800	8800-8900	8900-9000
9000-9100	9100-9200	9200-9300
9300-9400	9400-9500	9500-9600
9600-9700	9700-9800	9800-9900
9900-10000		

OTHER SYMBOLS

Legend for symbols used in the log, including symbols for casing, logs, and other well data.



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. 6380

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-15-13	33	13	29	Gove	KS	<input checked="" type="checkbox"/>	9:00PM

Location *Gove 5s to ORD 3w to RD34 1S Enz*

Lease <i>Offley</i>	Well No. <i>3</i>	Owner
Contractor <i>Royal #1</i>		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 <i>Surface</i>		Charge To <i>Charter Energy</i>
Hole Size <i>12 1/4</i>	T.D. <i>233</i>	Street <i>PO box 252</i>
Csg. <i>8 5/8</i>	Depth <i>233</i>	City <i>Great Bend</i> State <i>KS</i>
Tbg. Size	Depth	
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <i>15</i>	Shoe Joint <i>15</i>	Cement Amount Ordered <i>160 com 3%CC 2%gel</i>
Meas Line	Displace <i>13 7/8 BBI</i>	

EQUIPMENT

Pumptrk <i>16</i>	No.	Cementer Helper <i>Travis</i>	Common <i>160</i>
Bulktrk <i>12</i>	No.	Driver <i>Dug</i>	Poz. Mix
Bulktrk <i>PU</i>	No.	Driver <i>Rick</i>	Gel. <i>3</i>
			Calcium <i>5</i>

JOB SERVICES & REMARKS

Remarks: <i>Cement did circulate</i>	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 <i>168</i>
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Tom Blake

	Pumptrk Charge <i>Surface</i>	
	Mileage <i>42</i>	
		Tax
		Discount
		Total Charge

X Signature



CHARGE TO: **CHARTER Energy**
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET No. **24117**
 PAGE 1 OF 2

SERVICE LOCATIONS:
 1. **Ness City, KS** WELL/PROJECT NO. **OTILEY #3** LEASE
 2. **ROYAL DRILLING #1** CONTRACTOR
 3. **DEVELOPMENT** WELL TYPE
 4. **DEVELOPMENT** WELL CATEGORY
 TICKET TYPE: SERVICE SALES
 RIG NAME NO. **GOVE** STATE **KS** CITY **GOVE, KS** DATE **26 FEB 13** OWNER
 JOB PURPOSE: **S&L HOUSESTRUK** SHIPPED VIA **DELIVERED TO** ORDER NO.
 WELL PERMIT NO. **4550118** WELL LOCATION **EST0030M**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575						7	DMIL				6.00	42.00
578					PUMP CHARGE	1	JOB				15.00	15.00
402					CENTRALIZERS	10	EA				7.00	70.00
403					CEMENT BASKETS	1	EA				25.00	25.00
404					PORT COLLAR	1	EA	2178	FT.		24.00	24.00
406					LATCH DOWN PLUG & BARREL	1	EA				25.00	25.00
407					JUSERT FLOAT SHOT w/PLANTIFILL	1	EA				35.00	35.00
281					MUD FLUSH	500	GA				1.35	675.00
221					MUDWID KKL	2	SAK				25.00	50.00

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

DATE SIGNED: **26 FEB 13** TIME SIGNED: **2:00** A.M. P.M.

SWIFT OPERATOR: *[Signature]* APPROVAL: *[Signature]*

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

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?
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **2** **6545.75**
 SUBTOTAL: **11,809.75**
 GOV. TAX: **705.18**
 TOTAL: **12,514.93**

Thank You!



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

TICKET CONTINUATION

TICKET No. 24117

CUSTOMER: **CHARTER ENERGY** WELL: **OTTIEY #3** DATE: **2/6/83** PAGE: **2** OF **2**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM		
276										
283						50 lbs		2.00	100.00	
284						SALT				
284						100 lbs		3.50	350.00	
286						9 lb		4.15	37.35	
290						HAZARD-1				
290						D-AIR				
325										
581										
583										

CONTINUATION TOTAL **5264.75**

SERVICE CHARGE
 MILEAGE TOTAL WEIGHT CHARGE **208.50**
 LOADED MILES **70**

CUBIC FEET **200.5x**
 TON MILES **729.75**

STANDARD DEMANT EA-2 **200.5x**

13.60 **2700.00**

2.00 **400.00**

1.00 **729.75**

JOB LOG

SWIFT Services, Inc.

DATE 26 FEB 13 PAGE NO.

CUSTOMER CHARTER ENERGY WELL NO. LEASE OTTLEY #3 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 24117

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							ON LOCATION
	1750							START PIPE 5 1/2 - RTD @ 4500 SHOET. 22' CENTRALIZERS 1,3,5,7,9,11,13,15,55,57 BASKET 56 PORT COLLAR # 56 @ 2178
	1927							DROP BALL - CIRCULATE
	1943	6 1/2	12				300	Pump 500 gal MUD FLUSH
		6 1/2	20				300	Pump 20 BBL KCL FLUSH
	1952		7.5					PLUG RA - MA (30sx - 20sx)
	1957	4 1/2	36					MIX 150 SX EA 2
	2010							WASH OUT PUMP & LINES
	2014	6 1/2						START DISPLACING PLUG
	2033	Ø	109				1500	PLUG DOWN LATCH PLUG IN
	2035							RELEASE PSI - DRY
	2040							WASH TRUCK
	2115							JOB COMPLETE THANKS #115 JASON JEFF ROB



CHARGE TO: Charles
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET No. **23937**

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hugs ks</u>	<u>3</u>	<u>0Hley</u>	<u>Gove</u>	<u>KS</u>	<u>Wagon</u>	<u>3-4-13</u>	
2. <u>Ness City ks</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	<u>CT</u>	<u>Wagon</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS	<u>Develop</u>	<u>Cement Port Coler</u>		WELL PERMIT NO.	WELL LOCATION	
						<u>6ave 4s, Sw ls (inv)</u>	

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575												
576.0					112	70	m.				6.00	420.00
280					Pump Charge port Coler	1	ea				1250.00	1250.00
					0-Air	2	gal				35.00	70.00
330					Swift Molt: Density	145	SKS				16.50	2392.50
276					Flarele	75	lbs				2.00	150.00
581					Service Charge Cement	250	SKS				2.00	500.00
583					Occupage	871	SD	TM			1.00	871.00

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

DATE SIGNED: 3-4-13 TIME SIGNED: 1030

AM PM

SWIFT OPERATOR: Tom Burch

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	5654	00
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					TOTAL	5864	31

Thank You!

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

JOB LOG

SWIFT Services, Inc.

DATE 3-4-13 PAGE NO. 1

CUSTOMER Charter WELL NO. 3 LEASE Ottley JOB TYPE Cement Port Collar TICKET NO. 23937

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							on location running tool
								PC @ 2171
	1140							locate port collar
	1145				✓		900	pressure test
		3			✓		300	open port collar
	1155	3			✓		300	start cement
			70/75	✓				circulate cement bring weight up
			7					D. 3 piece
	1225				✓		900	close port collar
								Run 5 joints
	1240		25	✓				Reverse out clean
								wash up, back up truck
	1330							Job complete thank you Josh, Brian, Rob
								Mixed 145 sks circulated 20 sks to pit