



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1222597
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: _____

1222597

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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

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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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 606

Cell 785-324-1041

Date	8-7-14	Sec.	12	Twp.	20	Range	16	County	Pawnee	State	Ks	On Location		Finish	10:15AM
								Location							

Lease	Nicholson	Well No.	1	Owner	35 3/4 w 11 into
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Contractor	Royal 2	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.			
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Type Job	Surface	Charge To	Charter Energy
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Hole Size	12 1/4"	T.D.	1088'	Street	
Csg.	8 5/8"	Depth	1088'	City	

Tbg. Size		Depth		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	

Cement Left in Csg.	39.00'	Shoe Joint	39.00'	Cement Amount Ordered	450 60140 3 1/2 CC 2 1/2 Gel
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Meas Line	20'	Displace	66 3/4 BLS	1/4 # Fl. seal	
EQUIPMENT				Common	270
Pumptrk	10	No.	Cementor	Driver	Nick
Bulktrk	21	No.	Driver	Driver	Doug
Bulktrk	pin.	No.	Driver	Driver	Rick

JOB SERVICES & REMARKS				Hulls	
Remarks:				Salt	

Rat Hole	Cement did Circulate	Flowseal	112 #
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Mouse Hole		Kol-Seal	
Centralizers		Mud CLR 48	

Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	

Handling	475	Mileage	
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FLOAT EQUIPMENT			
Guide Shoe	Baffle plate		
Centralizer	Rubber plug		

Baskets			
AFU Inserts			

Float Shoe			
Latch Down			

Pumptrk Charge	Long Surface		
Mileage	16		

Quality Oilwell Cementing			
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Signature: <i>Tom Blake</i>			
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Tax			
Discount			
Total Charge			

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 536

Cell 785-324-1041

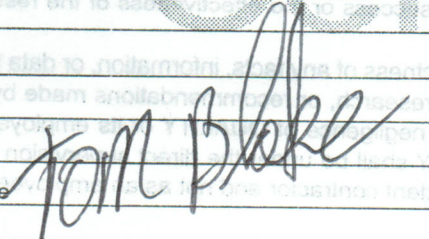
Date	8-12-14	Sec.	12	Twp.	20	Range	16	County	Pawnee	State	KS	On Location		Finish	4:45 PM
Location Otis 18 5 1/2 E N into															

Lease	Nicholson	Well No. #	1	Owner	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.
Contractor	Royal #2				
Type Job	Plug				
Hole Size	7 7/8	T.D.	3796'	Charge To	Charter Energy
Csg.	Drill Pipe	Depth		Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered	220 6 1/4 4 1/2 Gel
Meas Line		Displace			

EQUIPMENT				Common	132
Pumptrk	5	No.	Cementer	Poz. Mix	88
			Helper	David	
Bulktrk	14	No.	Driver	Chad	8
			Driver	Brett	
Bulktrk	PU	No.	Driver	Calcium	
			Driver		

JOB SERVICES & REMARKS				Hulls	
Remarks:				Salt	
Rat Hole	- 30 sks			Flowseal	50#
Mouse Hole	- 20 sks			Kol-Seal	
Centralizers				Mud CLR 48	
Baskets				CFL-117 or CD110 CAF 38	
D/V or Port Collar				Sand	
				Handling	228
				Mileage	8 5/4

1st Plug @ 3776' w/ 50 sks				FLOAT EQUIPMENT	
2nd Plug @ 1110 w/ 50 sks				Guide Shoe	
3rd Plug @ 420 w/ 50 sks				Centralizer	
4th Plug @ 60 w/ 20 sks				Baskets	
				AFU Inserts	
				Float Shoe	
				Latch Down	
				1st Plug	

Pumptrk Charge				plug	
Mileage				16	
Tax					
Discount					
Total Charge					
Signature: 					



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

Po Box 252
Great Bend KS 67530

ATTN: Jake Eastes

Nicholson #1

12-20s-16w Pawnee KS

Start Date: 2014.08.11 @ 12:56:00

End Date: 2014.08.11 @ 20:49:45

Job Ticket #: 59332 DST #: 1

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

Printed: 2014.08.14 @ 11:09:47



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy Inc
 Po Box 252
 Great Bend KS 67530
 ATTN: Jake Eastes

12-20s-16w Pawnee KS
Nicholson #1
 Job Ticket: 59332 **DST#: 1**
 Test Start: 2014.08.11 @ 12:56:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:46:15
 Time Test Ended: 20:49:45
 Interval: **3700.00 ft (KB) To 3759.00 ft (KB) (TVD)**
 Total Depth: 3759.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2067.00 ft (KB)
 2060.00 ft (CF)
 KB to GR/CF: 7.00 ft

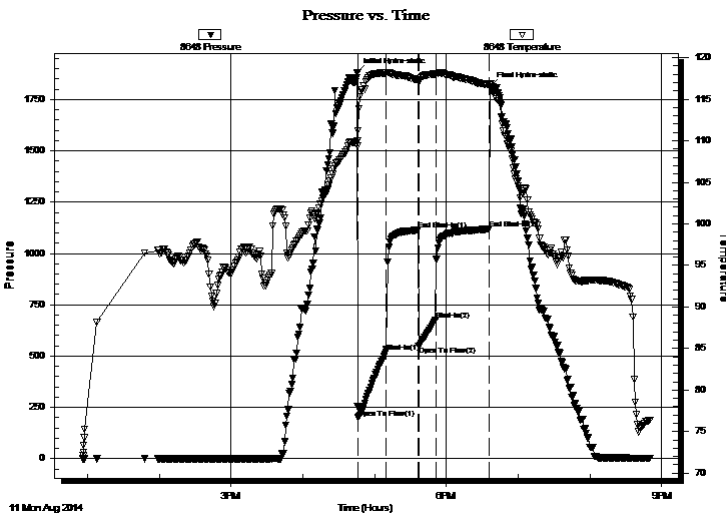
Serial #: 8648

Inside

Press@RunDepth: 675.90 psig @ 3738.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.11 End Date: 2014.08.11 Last Calib.: 2014.08.11
 Start Time: 12:56:05 End Time: 20:49:44 Time On Btm: 2014.08.11 @ 16:45:30
 Time Off Btm: 2014.08.11 @ 18:36:30

TEST COMMENT: 15 - IF- B.O.B. in 30 seconds
 30 - IS- 3" return
 15 - FF- B.O.B. in 1 minute
 45 - FS- 1/2" return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.25	110.01	Initial Hydro-static
1	199.03	111.25	Open To Flow (1)
24	518.18	118.15	Shut-In(1)
51	1114.09	117.33	End Shut-In(1)
52	549.33	117.05	Open To Flow (2)
66	675.90	118.03	Shut-In(2)
110	1118.53	116.72	End Shut-In(2)
111	1811.69	116.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
744.00	GMW, 5%G, 5%M, 90%W	10.44
372.00	MW, 40%M, 60%W	5.22
310.00	WM, 5%W, 95%M	4.35

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: Jake Eastes

12-20s-16w Pawnee KS
Nicholson #1
Job Ticket: 59332 **DST#: 1**
Test Start: 2014.08.11 @ 12:56:00

Tool Information

Drill Pipe:	Length: 3695.00 ft	Diameter: 3.80 inches	Volume: 51.83 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 51.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3700.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	80.00 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			3680.00	
Shut In Tool	5.00			3685.00	
Hydraulic tool	5.00			3690.00	
Packer	5.00			3695.00	21.00 Bottom Of Top Packer
Packer	5.00			3700.00	
Perforations	4.00			3704.00	
Stubb	1.00			3705.00	
Change Over Sub	1.00			3706.00	
Drill Pipe	31.00			3737.00	
Change Over Sub	1.00			3738.00	
Recorder	0.00	8648	Inside	3738.00	
Recorder	0.00	8940	Outside	3738.00	
Perforations	18.00			3756.00	
Bullnose	3.00			3759.00	59.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
Po Box 252
Great Bend KS 67530
ATTN: Jake Eastes

12-20s-16w Pawnee KS
Nicholson #1
Job Ticket: 59332 **DST#: 1**
Test Start: 2014.08.11 @ 12:56:00

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:	31000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

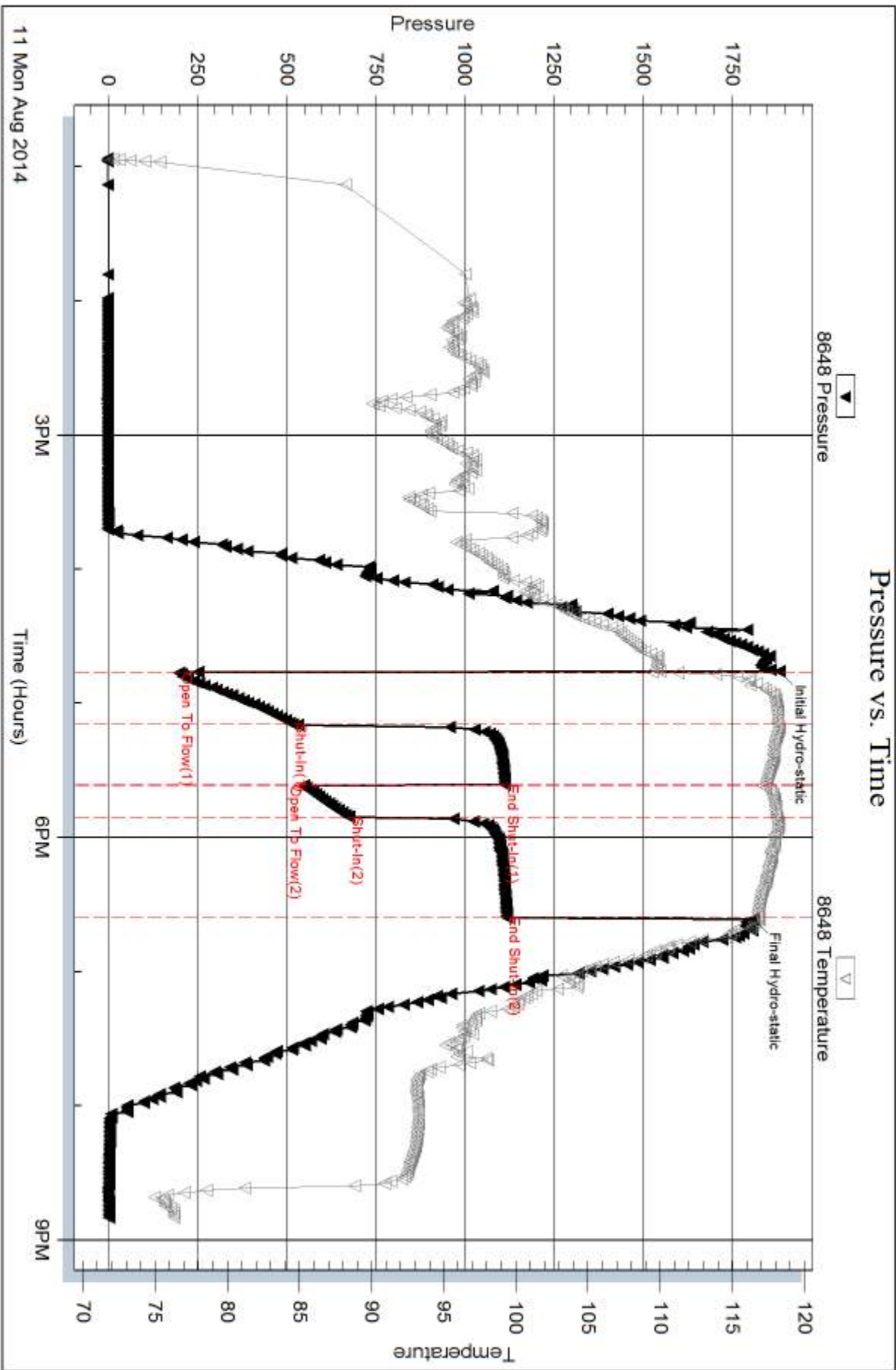
Length ft	Description	Volume bbl
744.00	GMW, 5%G, 5%M, 90%W	10.436
372.00	MW, 40%M, 60%W	5.218
310.00	WM, 5%W, 95%M	4.348

Total Length: 1426.00 ft Total Volume: 20.002 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Salinity: .25 @ 60 Degrees = 31,000
*****HAD A HOLE IN PIPE *****

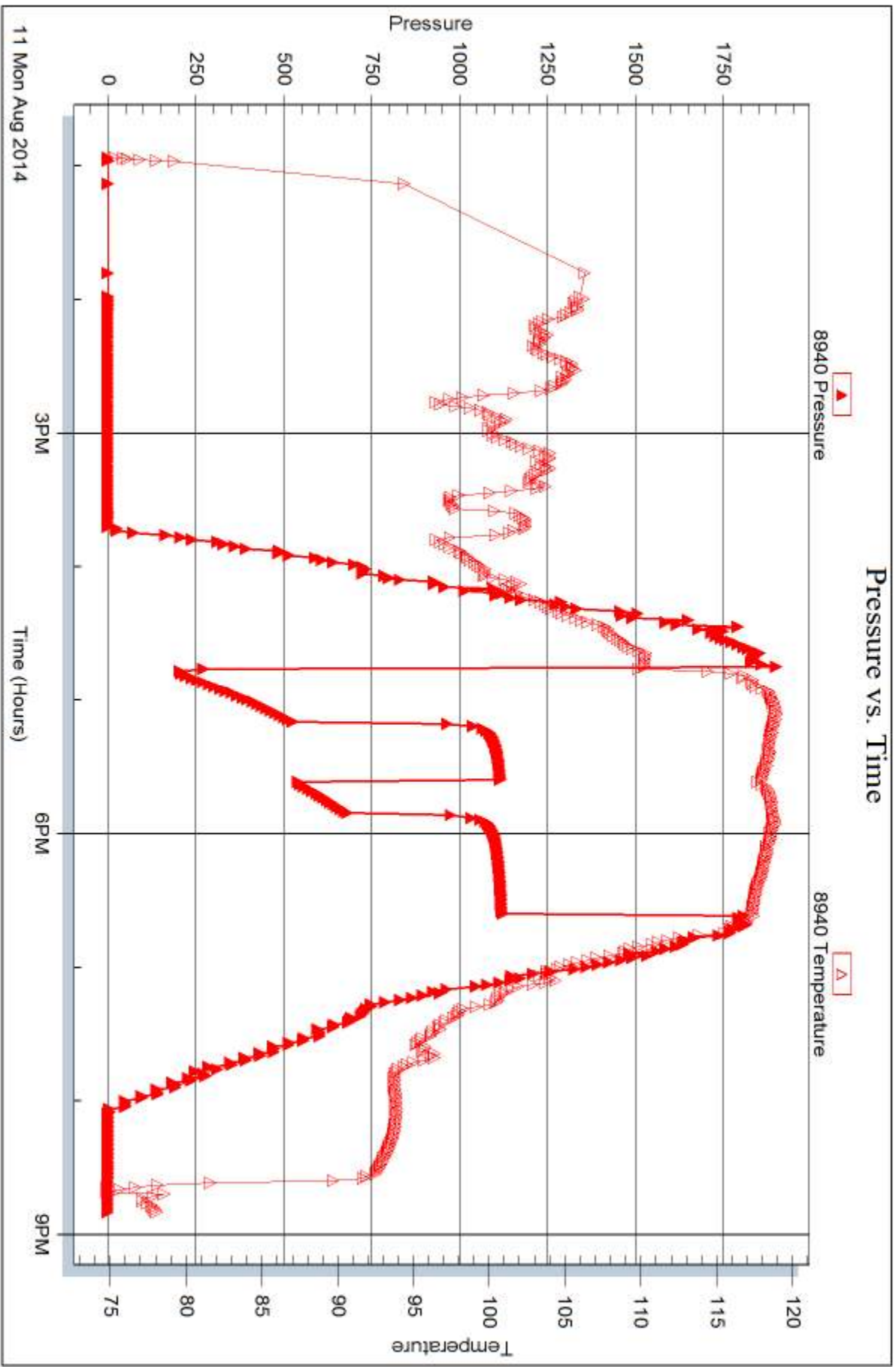


Serial #: 8940

Outside Charter Energy Inc

Nicholson #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

Po Box 252
Great Bend KS 67530

ATTN: Jake Eastes

Nicholson #1

12-20s-16w Pawnee KS

Start Date: 2014.08.12 @ 04:53:00

End Date: 2014.08.12 @ 11:55:00

Job Ticket #: 59333 DST #: 2

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

Printed: 2014.08.14 @ 11:09:18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy Inc
 Po Box 252
 Great Bend KS 67530
 ATTN: Jake Eastes

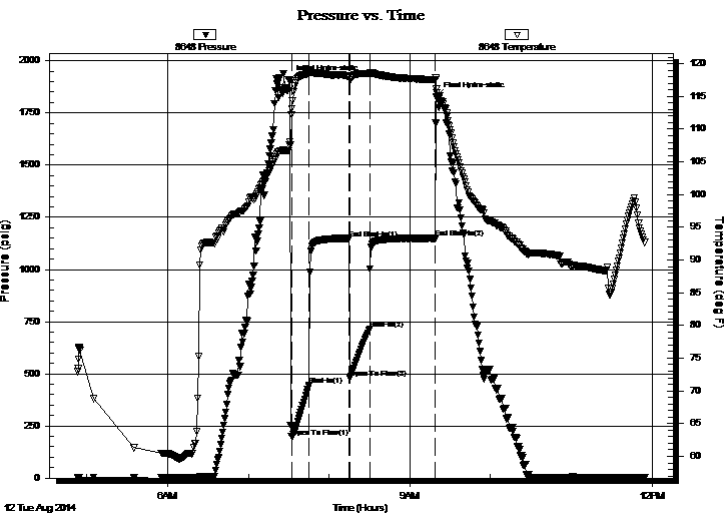
12-20s-16w Pawnee KS
Nicholson #1
 Job Ticket: 59333 **DST#: 2**
 Test Start: 2014.08.12 @ 04:53:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 07:32:15 Tester: Cody Bloedorn
 Time Test Ended: 11:55:00 Unit No: 73
 Interval: **3774.00 ft (KB) To 3796.00 ft (KB) (TVD)** Reference Elevations: 2067.00 ft (KB)
 Total Depth: 3796.00 ft (KB) (TVD) 2060.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8648 Inside
 Press@RunDepth: 712.71 psig @ 3775.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.12 End Date: 2014.08.12 Last Calib.: 2014.08.12
 Start Time: 04:53:05 End Time: 11:54:59 Time On Btm: 2014.08.12 @ 07:31:00
 Time Off Btm: 2014.08.12 @ 09:19:45

TEST COMMENT: 15 - IF- B.O.B. in 30 seconds
 30 - IS- 8 1/2" return
 15 - FF- B.O.B. instantly
 45 - FS- 2 1/2" return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1909.66	108.04	Initial Hydro-static
2	197.62	113.11	Open To Flow (1)
14	445.02	118.47	Shut-In(1)
44	1148.01	118.04	End Shut-In(1)
45	479.21	117.49	Open To Flow (2)
60	712.71	118.44	Shut-In(2)
108	1149.89	117.53	End Shut-In(2)
109	1829.94	116.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
930.00	MW, 5%M, 95%W	13.05
434.00	WM, 20%W, 80%M	6.09
186.00	Mud, w with oil spots, 100%M	2.61

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc
Po Box 252
Great Bend KS 67530
ATTN: Jake Eastes

12-20s-16w Pawnee KS
Nicholson #1
Job Ticket: 59333 **DST#: 2**
Test Start: 2014.08.12 @ 04:53:00

Tool Information

Drill Pipe:	Length: 3758.00 ft	Diameter: 3.80 inches	Volume: 52.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 52.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3774.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	43.00 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			3754.00	
Shut In Tool	5.00			3759.00	
Hydraulic tool	5.00			3764.00	
Packer	5.00			3769.00	21.00 Bottom Of Top Packer
Packer	5.00			3774.00	
Stubb	1.00			3775.00	
Recorder	0.00	8648	Inside	3775.00	
Recorder	0.00	8940	Outside	3775.00	
Perforations	18.00			3793.00	
Bullnose	3.00			3796.00	22.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
Po Box 252
Great Bend KS 67530
ATTN: Jake Eastes

12-20s-16w Pawnee KS
Nicholson #1
Job Ticket: 59333 **DST#: 2**
Test Start: 2014.08.12 @ 04:53:00

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
930.00	MW, 5%M, 95%W	13.045
434.00	WM, 20%W, 80%M	6.088
186.00	Mud, with oil spots, 100%M	2.609

Total Length: 1550.00 ft Total Volume: 21.742 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: H2S present. 100+ PPM. Dropped bar.

Serial #: 8648

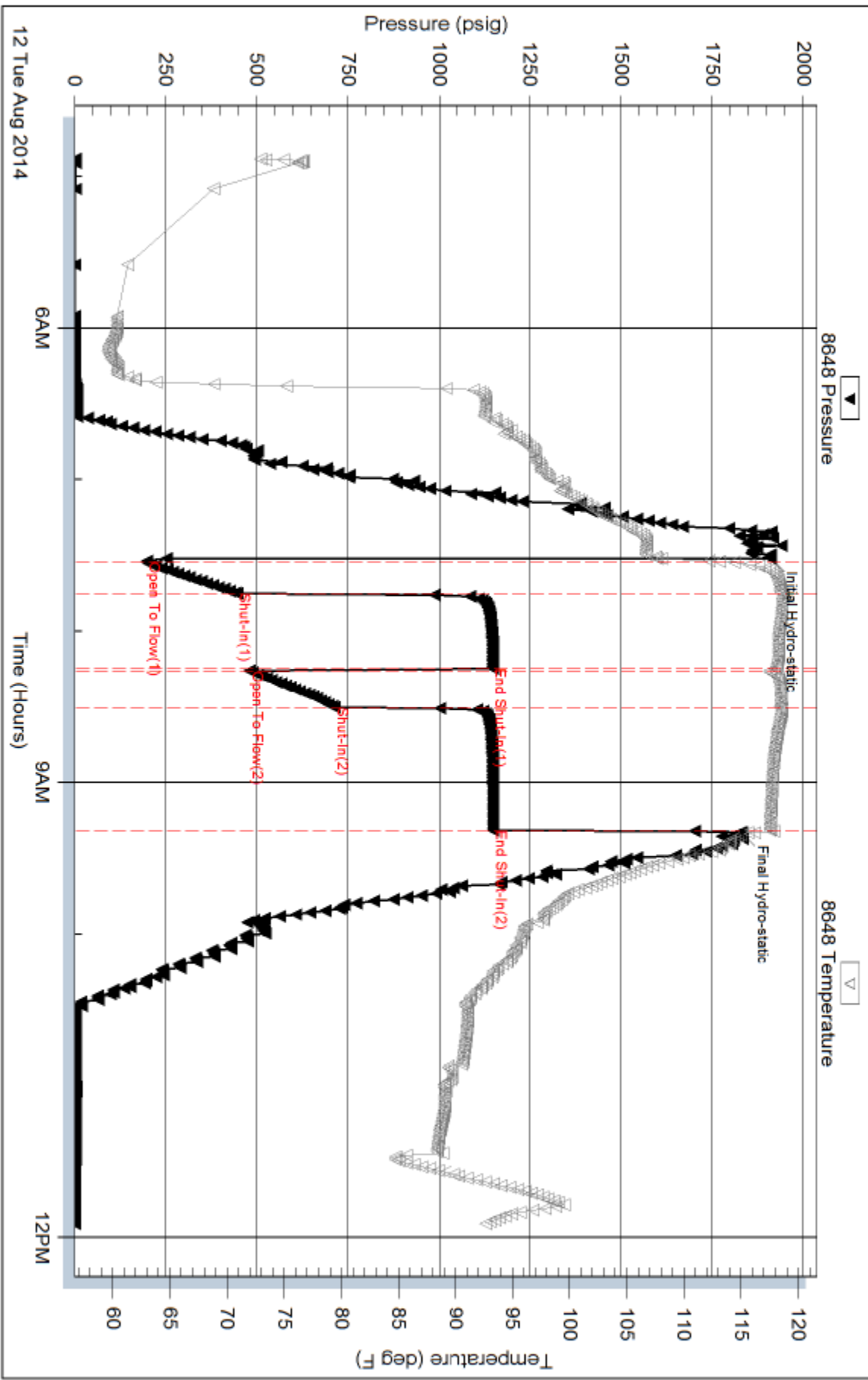
Inside

Charter Energy Inc

Nicholson #1

DST Test Number: 2

Pressure vs. Time

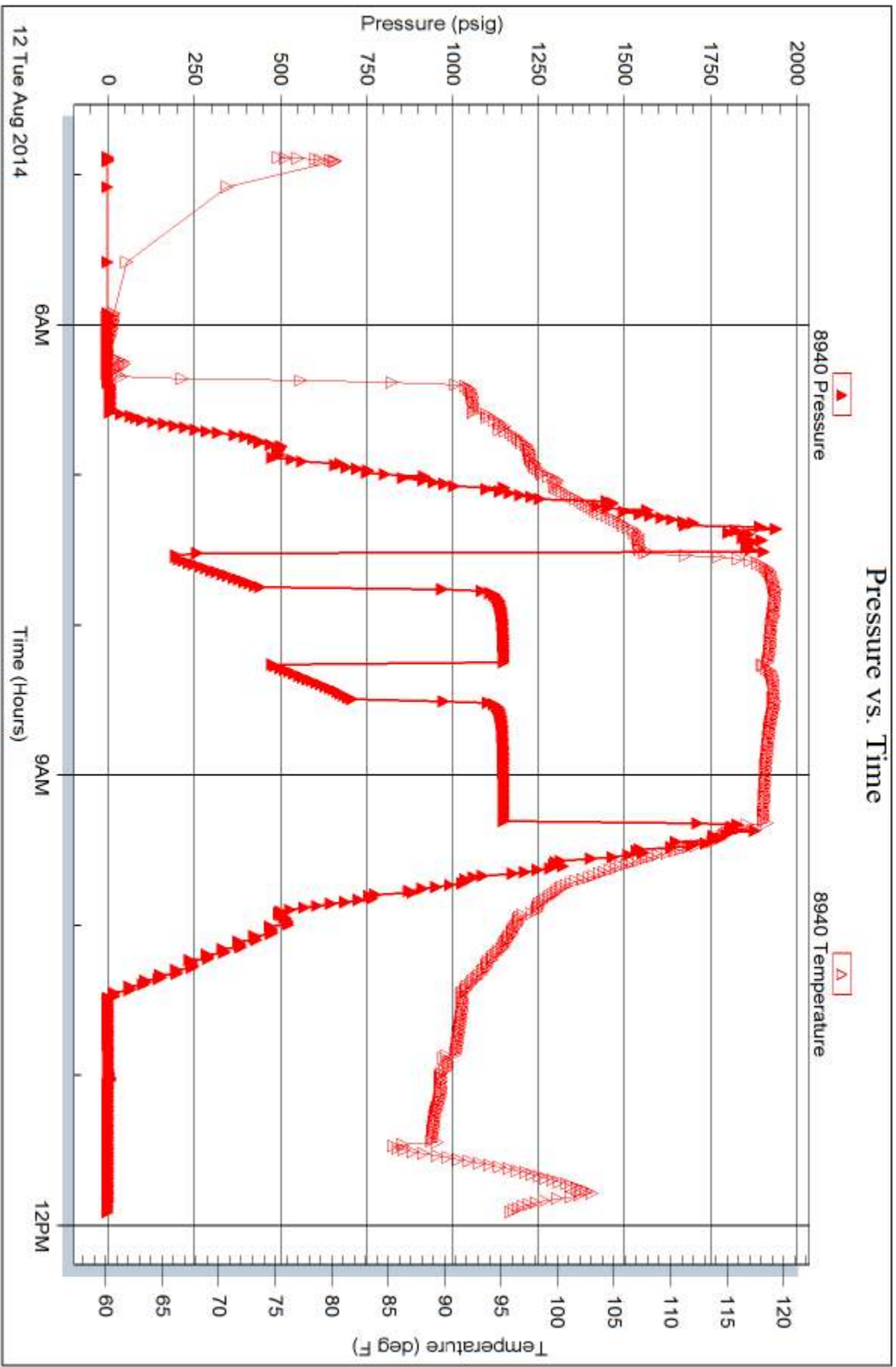


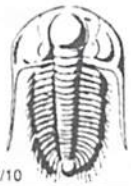
Serial #: 8940

Outside Charter Energy Inc

Nicholson #1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59332

Well Name & No. Nicholson #1 Test No. 1 Date 8-11-14
 Company Charter Energy Inc Elevation 2067 KB 2060 GL
 Address Po Box 252, Great Bend KS, 67530
 Co. Rep / Geo. Jake Eastes 785-410-3310 Rig Royal #2
 Location: Sec. 12 Twp. 20s Rge. 16w Co. Pawnee State KS

Interval Tested 3700-3759 Zone Tested Arbuckle
 Anchor Length 59' Drill Pipe Run 3695' Mud Wt. 9.6
 Top Packer Depth 3695 Drill Collars Run — Vis 56
 Bottom Packer Depth 3700 Wt. Pipe Run — WL 10.2
 Total Depth 3759 Chlorides 8,000 ppm System LCM —

Blow Description IF - B.O.B. in 30 seconds
ISI - 3" return
FF - B.O.B. in 1 minute
FSI - 1/2" return

Rec	Feet of	%gas	%oil	%water	%mud
<u>744</u>	<u>6 MW</u>	<u>5</u>	<u>90</u>	<u>5</u>	<u>5</u>
<u>372</u>	<u>MW</u>		<u>60</u>	<u>40</u>	<u>40</u>
<u>310</u>	<u>WM</u>		<u>5</u>	<u>95</u>	<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1426' BHT 116° Gravity — API RW .25 @ 60° F Chlorides 31,000 ppm

(A) Initial Hydrostatic <u>1882</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1228</u>
(B) First Initial Flow <u>199</u>	<input type="checkbox"/> Jars	T-Started <u>1256</u>
(C) First Final Flow <u>518</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1646</u>
(D) Initial Shut-In <u>1114</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1836</u>
(E) Second Initial Flow <u>549</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2049</u>
(F) Second Final Flow <u>675</u>	<input checked="" type="checkbox"/> Mileage <u>113RT 34rt 52.70</u>	Comments <u>Hole in Pipe</u>
(G) Final Shut-In <u>1118</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1811</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	Total <u>1202.70</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1202.70</u>	

Approved By _____ Our Representative Cody Bloodorn

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. 59333

Well Name & No. Nicholson #1 Test No. 2 Date 8-12-14
 Company Charter Energy Inc Elevation 2067 KB 2060 GL
 Address Po Box 252, Greatbend KS, 67530
 Co. Rep / Geo. Jake Eastes Rig Royal #2
 Location: Sec. 12 Twp. 20S Rge. 16W Co. Pawnee State KS

Interval Tested 3774-3796 Zone Tested Arbuckle
 Anchor Length 22' Drill Pipe Run 3758' Mud Wt. 9.6
 Top Packer Depth 3769 Drill Collars Run — Vis 56
 Bottom Packer Depth 3774 Wt. Pipe Run — WL 10.2
 Total Depth 3796 Chlorides 8,000 ppm System LCM —

Blow Description IF - B.O.B. in 30 seconds
ISI - 8 1/2" return
FF - B.O.B. instantly
FSD - 2 1/2" return

Rec	Feet of	%gas	%oil	%water	%mud
<u>930</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
<u>434</u>	<u>WM</u>		<u>20</u>	<u>80</u>	
<u>186</u>	<u>Mud - oil spots</u>			<u>100</u>	
	<u>620' G.I.P.</u>				

Rec Total 1550 BHT 117° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1909</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0441</u>
(B) First Initial Flow <u>197</u>	<input type="checkbox"/> Jars <u>—</u>	T-Started <u>0453</u>
(C) First Final Flow <u>445</u>	<input type="checkbox"/> Safety Joint <u>—</u>	T-Open <u>0731</u>
(D) Initial Shut-In <u>1148</u>	<input checked="" type="checkbox"/> Circ Sub <u>50</u>	T-Pulled <u>0916</u>
(E) Second Initial Flow <u>479</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>1156</u>
(F) Second Final Flow <u>712</u>	<input checked="" type="checkbox"/> Mileage <u>113 RT 52.70.</u>	Comments <u>H2S present</u>
(G) Final Shut-In <u>1149</u>	<input type="checkbox"/> Sampler <u>—</u>	<u>100+ ppm</u>
(H) Final Hydrostatic <u>1829</u>	<input type="checkbox"/> Straddle <u>—</u>	<u>dropped bar</u>
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Final Flow <u>15</u>	<input type="checkbox"/> Extra Packer <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby <u>—</u>	Total <u>1252.70</u>
	<input type="checkbox"/> Accessibility <u>—</u>	MP/DST Disc't <u>—</u>
	Sub Total <u>1252.70</u>	

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