

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs 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 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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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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. 1500

Cell 785-324-1041

Date	8-23-19	Sec.	1	Twp.	20	Range	14	County	Barton	State	Ks	On Location		Finish	4:15 pm	
Lease	Trump			Well No.	2		Location	Boyd Rd + 96 Hwy, 25, 1/8 W, 25 to 36 Hwy, S+E To Rig								
Contractor	Flex #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.								
Type Job	Surface							Charge To Charter Energy								
Hole Size	12 1/4"			T.D.	791'				Street							
Csg.	8 5/8"			Depth	791'				City State							
Tbg. Size				Depth					The above was done to satisfaction and supervision of owner agent or contractor.							
Tool				Depth					Cement Left in Csg. 30' Shoe Joint 30' Cement Amount Ordered 425 60/40 40% CL 2 1/2 Gel							
Meas Line				Displace	48 1/2 BLS				1/2# Flo-seal							
EQUIPMENT																
Pumptrk	17	No.		Cementer	David				Common 255							
				Helper					Poz. Mix 170							
Bulktrk	21	No.		Driver	Lance				Gel. 9							
Bulktrk	p.u.	No.		Driver	Rick				Calcium 19							
JOB SERVICES & REMARKS																
Remarks:	Cement Did Circulate															
Rat Hole																
Mouse Hole																
Centralizers																
Baskets	CFL-117 or CD110 CAF 38															
D/V or Port Collar	Sand															
	Handling 452															
	Mileage															
FLOAT EQUIPMENT																
	Guide Shoe Rubber plug															
	Centralizer															
	Baskets 1 baffle plate															
	AFU Inserts															
	Float Shoe															
	Latch Down															
	Pumptrk Charge Long Surface															
	Mileage 15 (m.m.)															
												Tax				
												Discount				
X Signature <i>Jeff Mayfield</i>												Total Charge				

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. 1524

Date	9-1-19	Sec.	1	Twp.	20	Range	14	County	Barton	State	KS	On Location		Finish	S. 45								
								Location								Great Bend 1W							
Lease	Trump				Well No. 2				Owner														
Contractor	Ejet				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	Rotary Plug				T.D. 3575				Charge To Charter Energy														
Hole Size	2 7/8				Depth				Street														
Csg.	Depth				City				State														
Tbg. Size	Depth				The above was done to satisfaction and supervision of owner agent or contractor.																		
Tool	Depth				Cement Left in Csg.								Shoe Joint										
Cement Amount Ordered 240 60/40 4-1/2 1/2 1/2 1/2																							
Meas Line								Displace															
EQUIPMENT																							
Pumptrk	17	No.	Cementer	Craig				Common								144							
			Helper	David				Poz. Mix								96							
Bulktrk		No.	Driver					Gel.								9							
Bulktrk	15	No.	Driver	Tim				Calcium															
JOB SERVICES & REMARKS																							
Remarks:								Hulls															
Rat Hole 30SK								Salt															
Mouse Hole 20SK								Flowseal 60#															
Centralizers								Kol-Seal															
Baskets								Mud CLR 48															
D/V or Port Collar								CFL-117 or CD110 CAF 38															
1st 3475 50SK								Sand															
2nd 850 50SK								Handling 249															
3rd 350 80SK								Mileage															
4th 40 10SK								FLOAT EQUIPMENT															
								Guide Shoe								8 5/8 Dry Hole Plug							
								Centralizer															
								Baskets															
								AFU Inserts															
								Float Shoe															
								Latch Down															
								Pumptrk Charge								plug							
								Mileage 15								(m/m)							
								Tax															
								Discount															
X Signature								Total Charge															

Thanks

[Handwritten Signature]



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530+0252

ATTN: Wyatt Urban

Trump #2

1-20s-14w Barton,KS

Start Date: 2019.08.29 @ 07:57:00

End Date: 2019.08.29 @ 13:04:30

Job Ticket #: 65807 DST #: 1

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

Printed: 2019.09.06 @ 09:07:42



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530+0252
 ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65807 **DST#: 1**
 Test Start: 2019.08.29 @ 07:57:00

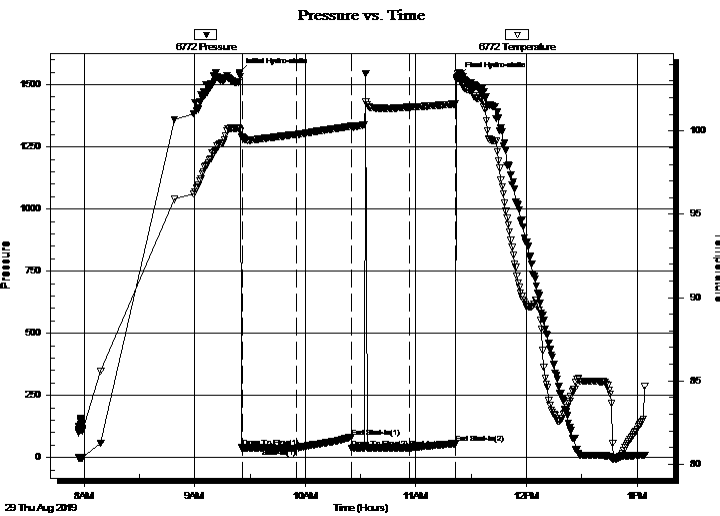
GENERAL INFORMATION:

Formation: **LKC A-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:25:40
 Time Test Ended: 13:04:30
 Interval: **3209.00 ft (KB) To 3294.00 ft (KB) (TVD)**
 Total Depth: 3294.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Benny Mulligan
 Unit No: 66
 Reference Elevations: 1874.00 ft (KB)
 1869.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6772 Outside

Press@RunDepth: 39.12 psig @ 3210.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.29 End Date: 2019.08.29 Last Calib.: 2019.08.29
 Start Time: 07:57:01 End Time: 13:04:30 Time On Btm: 2019.08.29 @ 09:24:20
 Time Off Btm: 2019.08.29 @ 11:23:10

TEST COMMENT: IF-30- total build of 1 1/2"
 IS-30- no blow back
 FF-30- w as dead on open flushed tool and had weak surface blow that died again after 15 mins
 FS- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1547.52	100.12	Initial Hydro-static
2	39.97	99.63	Open To Flow (1)
31	37.65	99.79	Shut-In(1)
61	82.60	100.29	End Shut-In(1)
61	38.46	100.24	Open To Flow (2)
93	39.12	101.44	Shut-In(2)
118	56.29	101.62	End Shut-In(2)
119	1531.92	103.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud 100%M	0.56

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+0252
 ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65807 **DST#: 1**
 Test Start: 2019.08.29 @ 07:57:00

Tool Information

Drill Pipe:	Length: 3209.00 ft	Diameter: 3.80 inches	Volume: 45.01 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: 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: 45.01 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3209.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	105.00 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			3190.00	
Shut In Tool	5.00			3195.00	
Hydraulic tool	5.00			3200.00	
Packer	5.00			3205.00	20.00 Bottom Of Top Packer
Packer	4.00			3209.00	
Stubb	1.00			3210.00	
Recorder	0.00	6769	Inside	3210.00	
Recorder	0.00	6772	Outside	3210.00	
Perforations	15.00			3225.00	
Change Over Sub	1.00			3226.00	
Drill Pipe	64.00			3290.00	
Change Over Sub	1.00			3291.00	
Bullnose	3.00			3294.00	85.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530+0252
 ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65807 **DST#: 1**
 Test Start: 2019.08.29 @ 07:57:00

Mud and Cushion Information

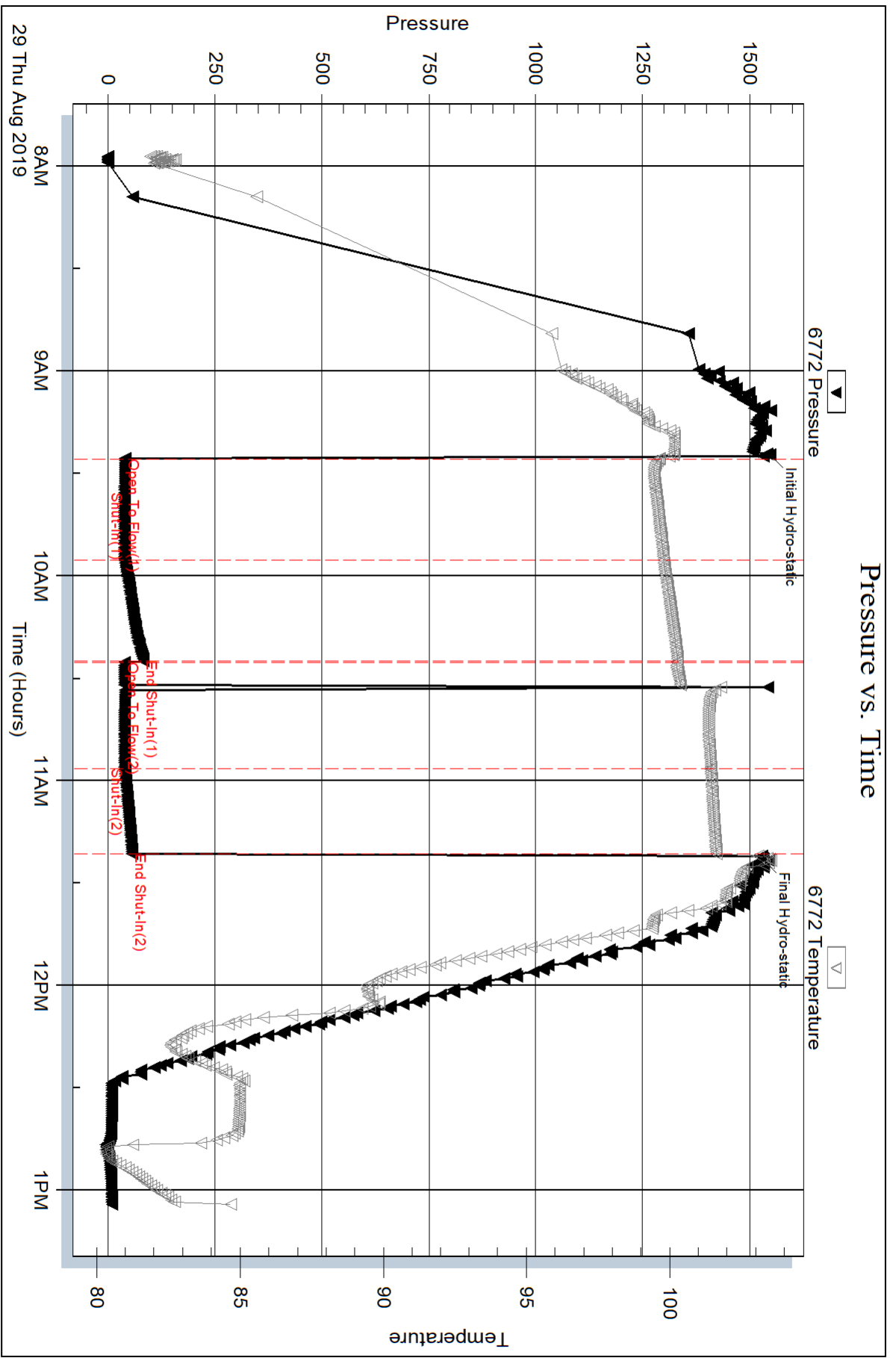
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: 1.00 inches			

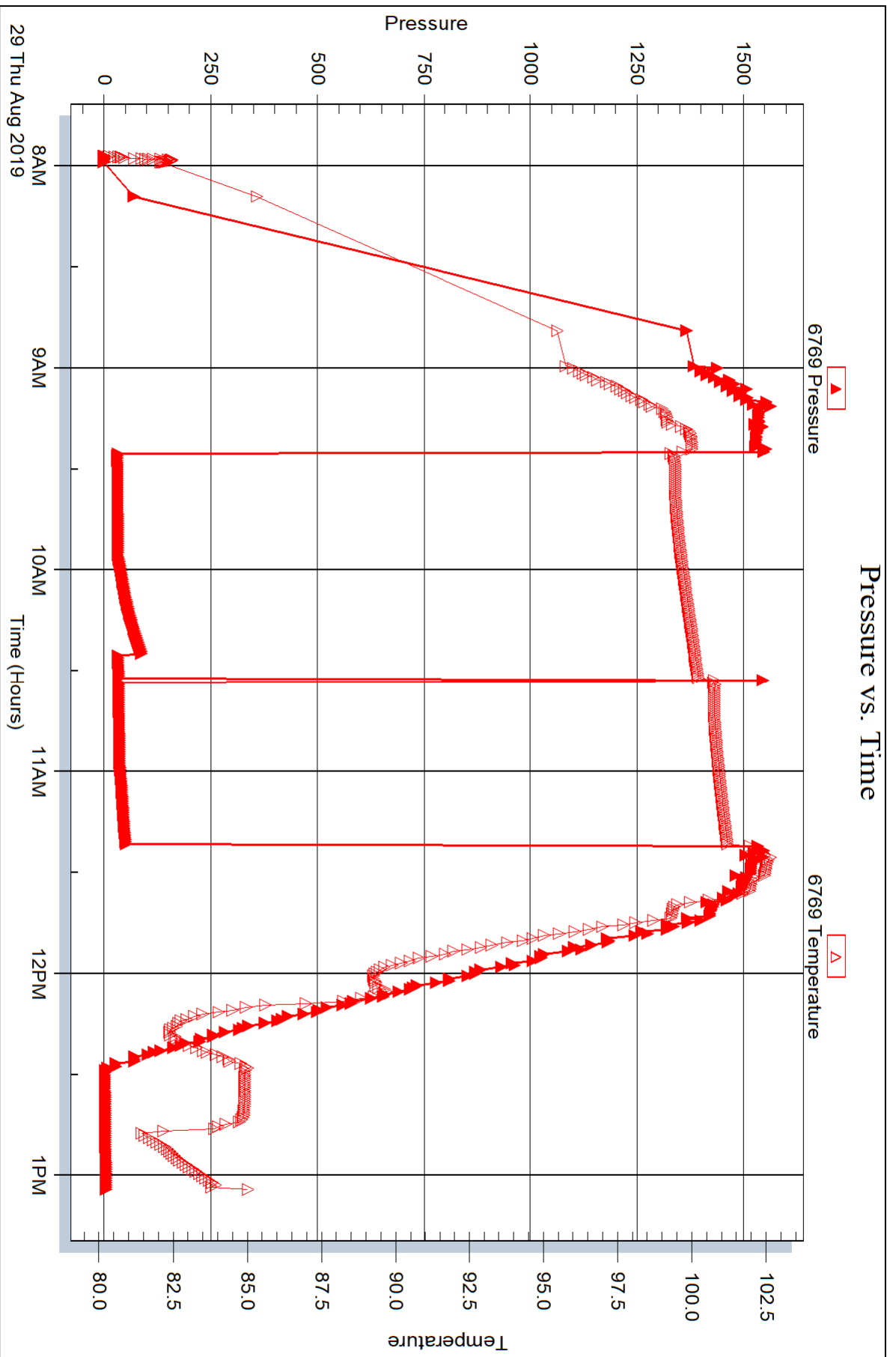
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mud 100%M	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530+0252

ATTN: Wyatt Urban

Trump #2

1-20s-14w Barton,KS

Start Date: 2019.08.29 @ 20:53:00

End Date: 2019.08.30 @ 02:35:00

Job Ticket #: 65808 DST #: 2

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

Printed: 2019.09.06 @ 09:07:12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530+0252
 ATTN: Wyatt Urban

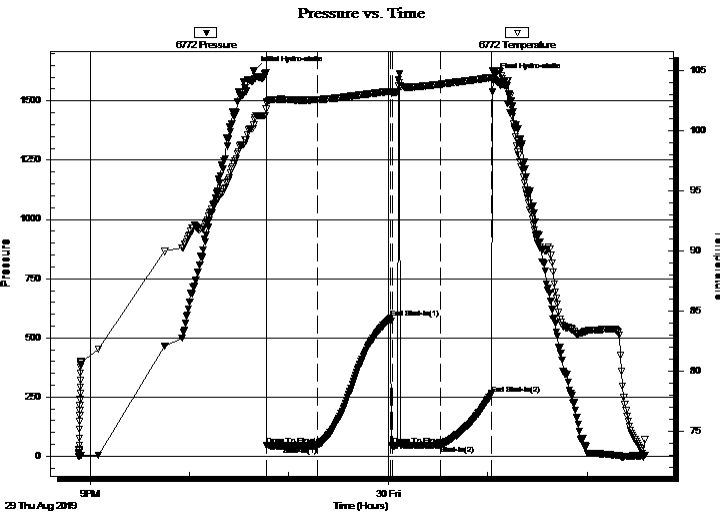
1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65808 **DST#: 2**
 Test Start: 2019.08.29 @ 20:53:00

GENERAL INFORMATION:

Formation: **LKC- H**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 22:46:40 Tester: Benny Mulligan
 Time Test Ended: 02:35:00 Unit No: 66
 Interval: **3334.00 ft (KB) To 3358.00 ft (KB) (TVD)** Reference Elevations: 1874.00 ft (KB)
 Total Depth: 3358.00 ft (KB) (TVD) 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6772 Inside
 Press@RunDepth: 47.35 psig @ 3335.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.29 End Date: 2019.08.30 Last Calib.: 2019.08.30
 Start Time: 20:53:01 End Time: 02:35:00 Time On Btm: 2019.08.29 @ 22:39:10
 Time Off Btm: 2019.08.30 @ 01:03:40

TEST COMMENT: IF-30- Built to 5 1/2" and dropped 4" towards end of open
 IS-45- No blow back
 FF-30- Was dead flushed and got weak surface blow that died
 FS-30- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.85	100.88	Initial Hydro-static
8	45.73	102.27	Open To Flow (1)
38	44.05	102.56	Shut-In(1)
83	583.44	103.25	End Shut-In(1)
84	44.72	103.12	Open To Flow (2)
113	47.35	103.84	Shut-In(2)
144	264.00	104.40	End Shut-In(2)
145	1596.53	104.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	O.S.M 100%M	0.84

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+0252
ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
Job Ticket: 65808 **DST#: 2**
Test Start: 2019.08.29 @ 20:53:00

Tool Information

Drill Pipe:	Length: 3330.00 ft	Diameter: 3.80 inches	Volume: 46.71 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 46.71 bbl</u>	Tool Chased 8.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	3334.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 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			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Packer	5.00			3330.00	20.00 Bottom Of Top Packer
Packer	4.00			3334.00	
Stubb	1.00			3335.00	
Recorder	0.00	6772	Inside	3335.00	
Recorder	0.00	6769	Outside	3335.00	
Perforations	20.00			3355.00	
Bullnose	3.00			3358.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend KS 67530+0252
ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
Job Ticket: 65808 **DST#: 2**
Test Start: 2019.08.29 @ 20:53:00

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:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

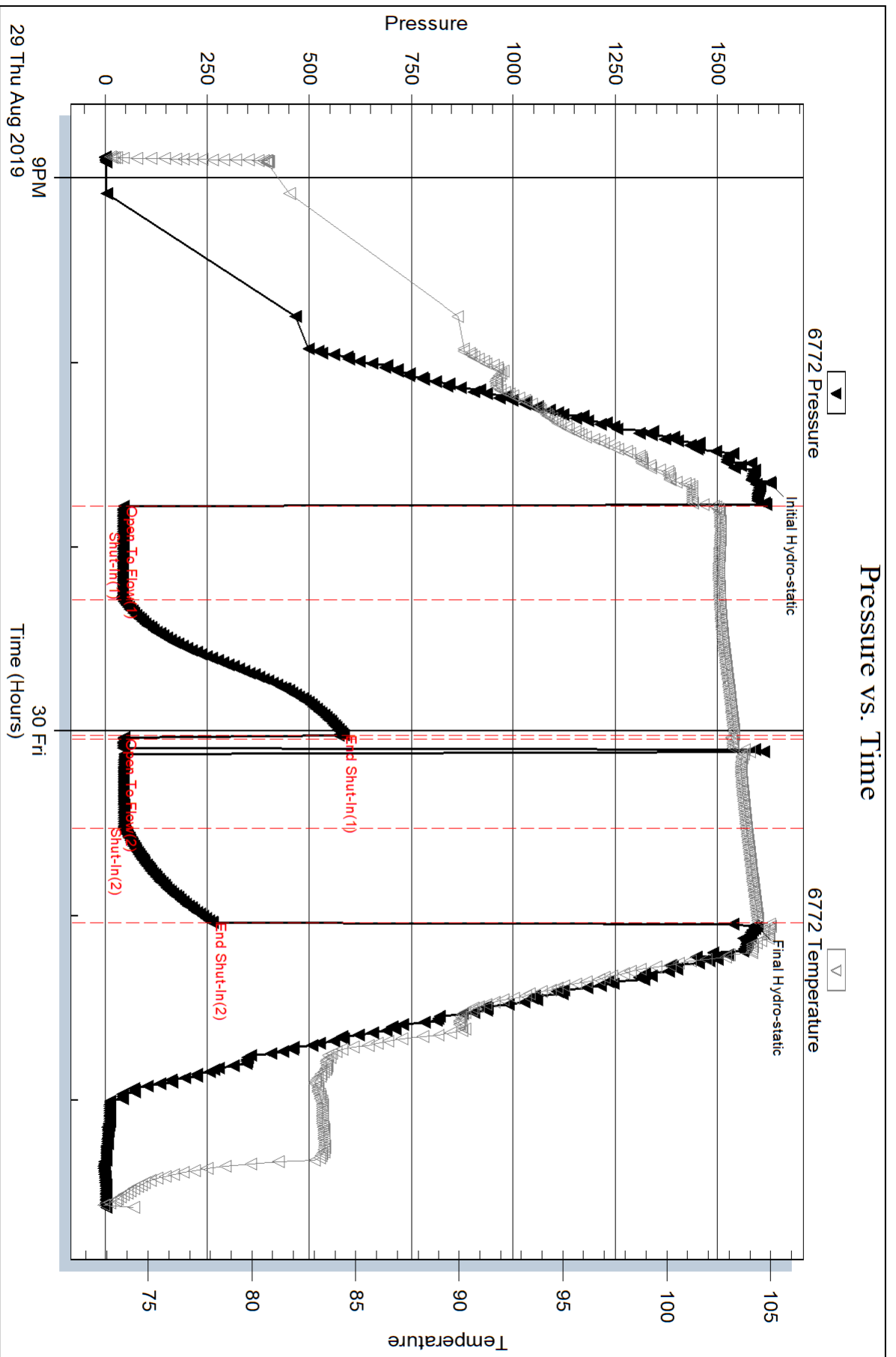
Length ft	Description	Volume bbl
60.00	O.S.M 100%M	0.842

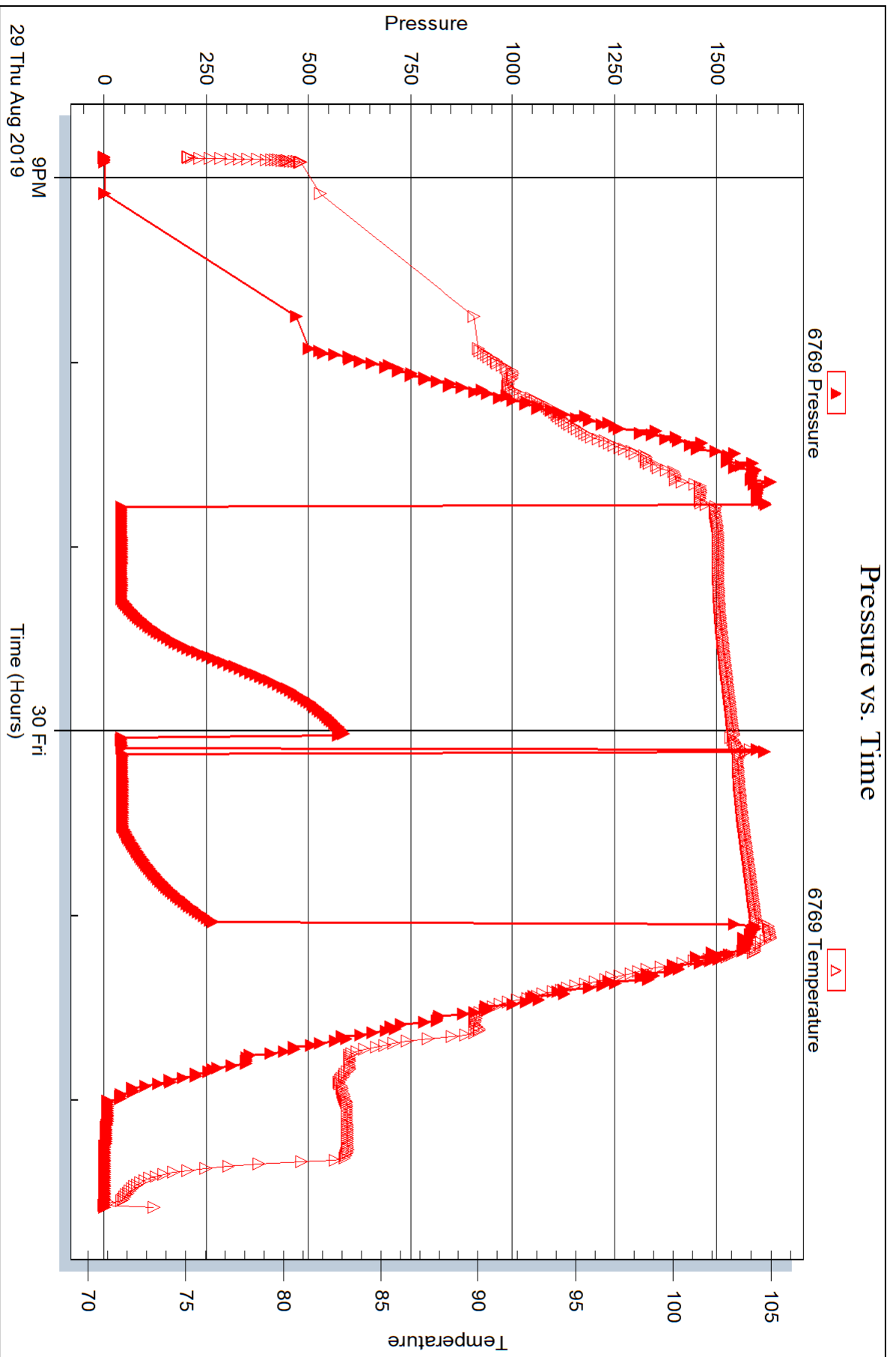
Total Length: 60.00 ft Total Volume: 0.842 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530+0252

ATTN: Wyatt Urban

Trump #2

1-20s-14w Barton,KS

Start Date: 2019.08.30 @ 10:56:00

End Date: 2019.08.30 @ 16:49:20

Job Ticket #: 65809 DST #: 3

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

Printed: 2019.09.06 @ 09:06:47



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530+0252
 ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65809 **DST#: 3**
 Test Start: 2019.08.30 @ 10:56:00

GENERAL INFORMATION:

Formation: **LKC H-I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:19:10
 Time Test Ended: 16:49:20
 Interval: **3336.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: 3410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Benny Mulligan
 Unit No: 66
 Reference Elevations: 1874.00 ft (KB)
 1869.00 ft (CF)
 KB to GR/CF: 5.00 ft

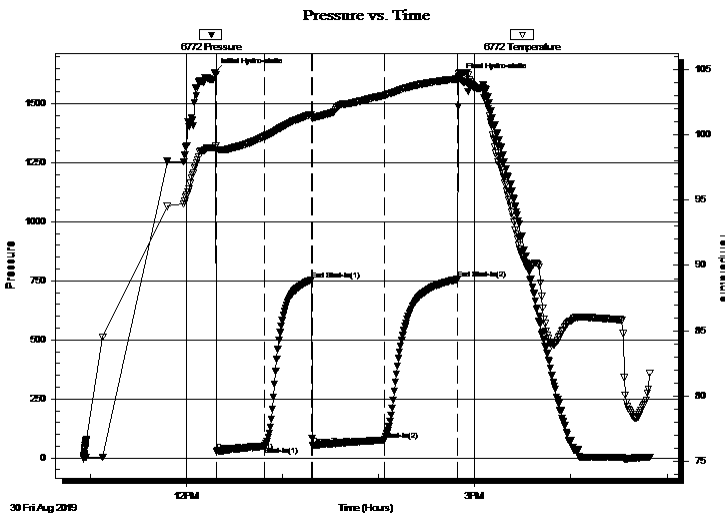
Serial #: 6772

Inside

Press@RunDepth: 76.16 psig @ 3337.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.30 End Date: 2019.08.30 Last Calib.: 2019.08.30
 Start Time: 10:56:01 End Time: 16:49:20 Time On Btm: 2019.08.30 @ 12:17:50
 Time Off Btm: 2019.08.30 @ 14:50:10

TEST COMMENT: IF-30- Built to 10 1/2 "
 ISI-30- No blow back
 FF-45- Built to 8"
 FSI-45- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.11	99.02	Initial Hydro-static
2	29.67	98.84	Open To Flow (1)
31	49.87	99.88	Shut-In(1)
60	752.98	101.57	End Shut-In(1)
61	54.39	101.39	Open To Flow (2)
106	76.16	103.03	Shut-In(2)
152	756.25	104.28	End Shut-In(2)
153	1611.11	104.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	O.S.M. 1%O 99%M	0.84
60.00	M.W. 20%M 80%W	0.84

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+0252
 ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65809 **DST#: 3**
 Test Start: 2019.08.30 @ 10:56:00

Tool Information

Drill Pipe:	Length: 3338.00 ft	Diameter: 3.80 inches	Volume: 46.82 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:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 46.82 bbl</u>	Tool Chased	6.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3336.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	74.00 ft				
Tool Length:	94.00 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			3317.00	
Shut In Tool	5.00			3322.00	
Hydraulic tool	5.00			3327.00	
Packer	5.00			3332.00	20.00 Bottom Of Top Packer
Packer	4.00			3336.00	
Stubb	1.00			3337.00	
Recorder	0.00	6772	Inside	3337.00	
Recorder	0.00	6769	Outside	3337.00	
Perforations	4.00			3341.00	
Change Over Sub	1.00			3342.00	
Drill Pipe	64.00			3406.00	
Change Over Sub	1.00			3407.00	
Bullnose	3.00			3410.00	74.00 Bottom Packers & Anchor

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend KS 67530+0252
ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
Job Ticket: 65809 **DST#: 3**
Test Start: 2019.08.30 @ 10:56:00

Mud and Cushion Information

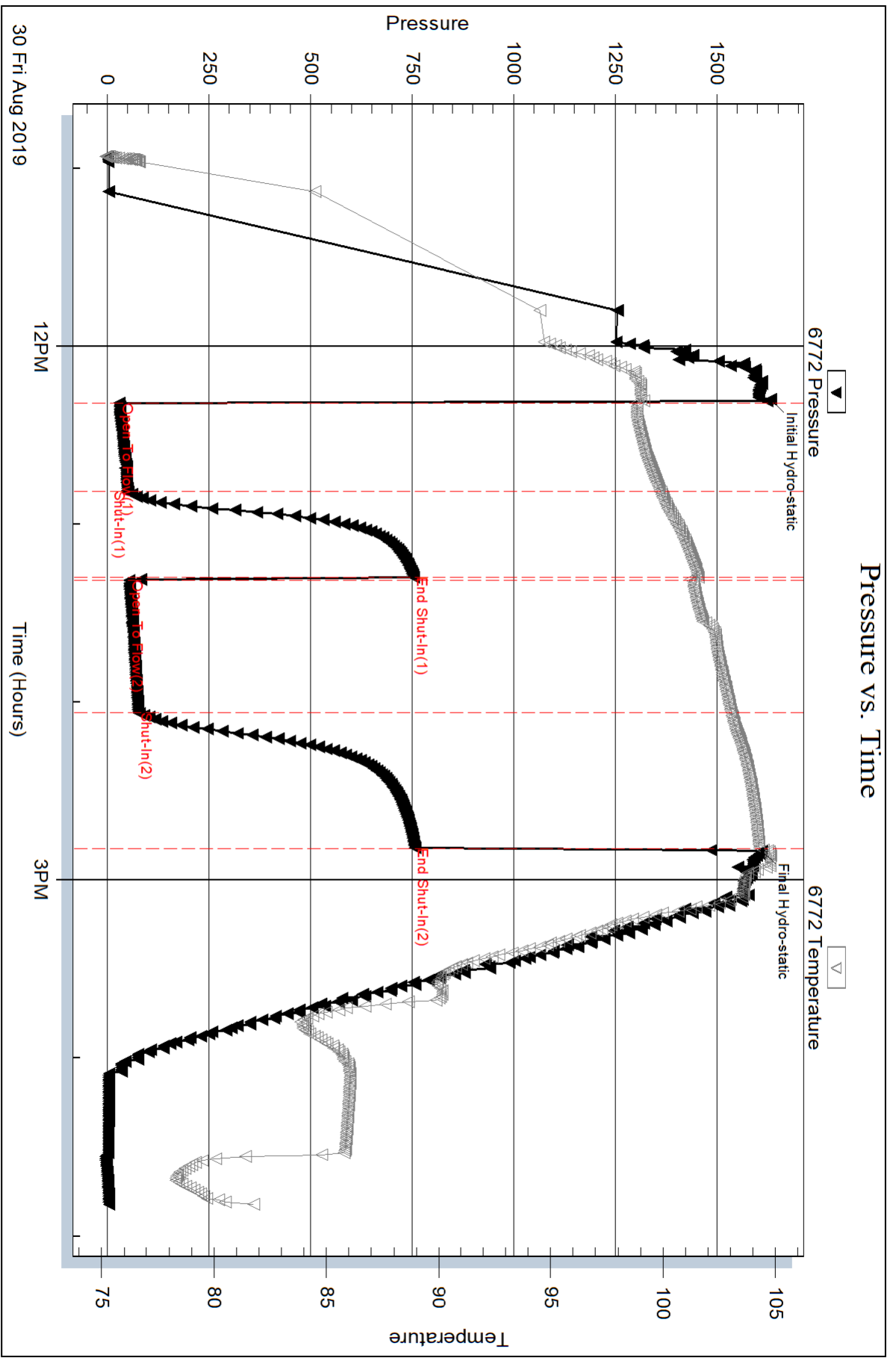
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	28000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5700.00 ppm			
Filter Cake: 1.00 inches			

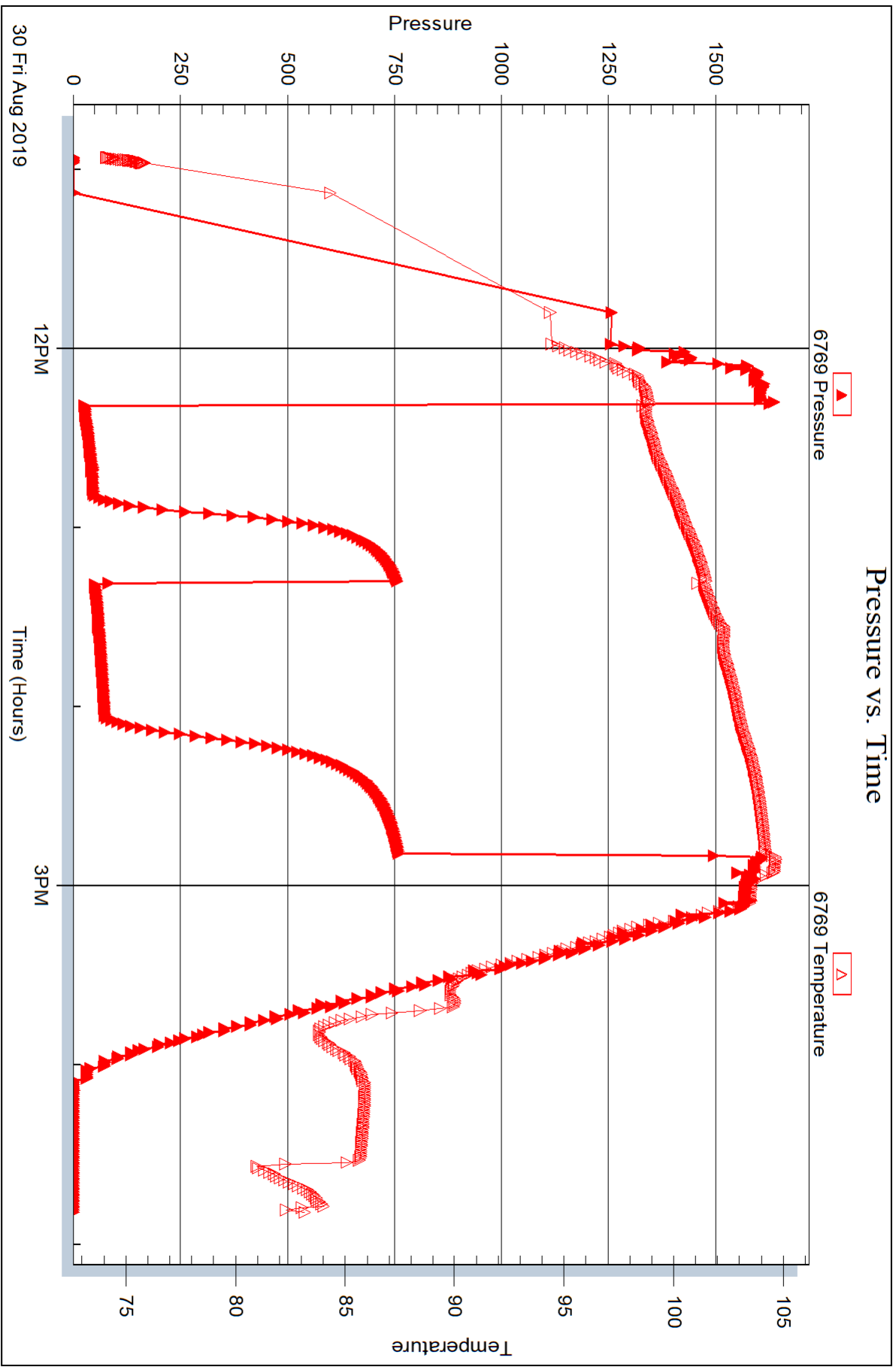
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	O.S.M. 1%O 99%M	0.842
60.00	M.W. 20%M 80%W	0.842

Total Length: 120.00 ft Total Volume: 1.684 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530+0252

ATTN: Wyatt Urban

Trump #2

1-20s-14w Barton,KS

Start Date: 2019.08.31 @ 08:02:00

End Date: 2019.08.31 @ 13:42:00

Job Ticket #: 65810 DST #: 4

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

Printed: 2019.09.06 @ 09:06:18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530+0252
 ATTN: Wyatt Urban

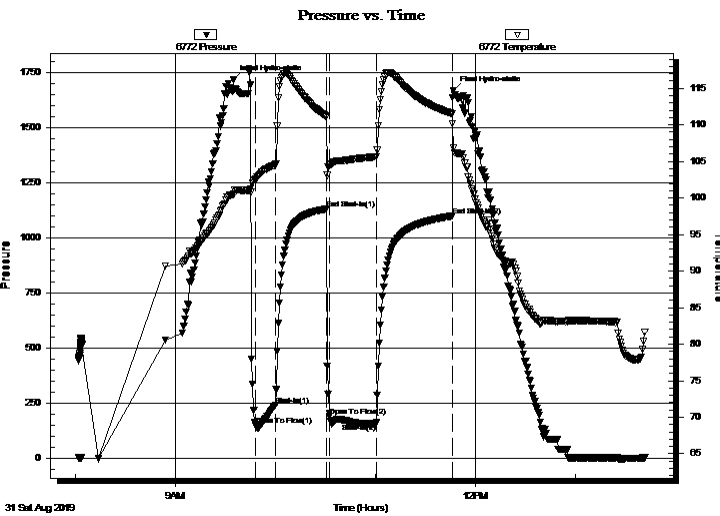
1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65810 **DST#: 4**
 Test Start: 2019.08.31 @ 08:02:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:48:10
 Time Test Ended: 13:42:00
 Interval: **3431.00 ft (KB) To 3530.00 ft (KB) (TVD)**
 Total Depth: 3530.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Benny Mulligan
 Unit No: 66
 Reference Elevations: 1874.00 ft (KB)
 1869.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6772 Inside
 Press@RunDepth: 162.57 psig @ 3432.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.31 End Date: 2019.08.31 Last Calib.: 2019.08.31
 Start Time: 08:02:01 End Time: 13:42:00 Time On Btm: 2019.08.31 @ 09:34:50
 Time Off Btm: 2019.08.31 @ 11:47:10

TEST COMMENT: IF-15-BOB 20 secs total build of 158 psi
 ISI-30- GTS 1min 28" blow back
 FF-30- BOB 5 secs
 FSI-45- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1717.30	100.58	Initial Hydro-static
14	153.86	102.55	Open To Flow (1)
26	241.44	104.49	Shut-In(1)
56	1131.85	111.12	End Shut-In(1)
58	192.73	104.55	Open To Flow (2)
86	162.57	105.65	Shut-In(2)
132	1100.25	111.55	End Shut-In(2)
133	1667.62	106.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	G.O.S.M. 10%G 90%M	0.84
120.00	V.S.O.C.M. 15%G 5%O 80%M	1.68

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	85.00	670.52
Last Gas Rate	0.50	67.00	549.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530+0252
 ATTN: Wyatt Urban

1-20s-14w Barton, KS
Trump #2
 Job Ticket: 65810 **DST#: 4**
 Test Start: 2019.08.31 @ 08:02:00

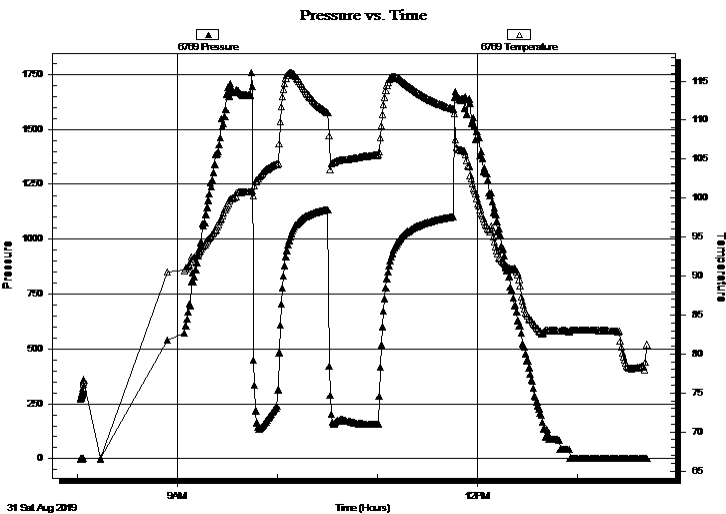
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:48:10
 Tester: Benny Mulligan
 Time Test Ended: 13:42:00
 Unit No: 66
 Interval: **3431.00 ft (KB) To 3530.00 ft (KB) (TVD)**
 Reference Elevations: 1874.00 ft (KB)
 Total Depth: 3530.00 ft (KB) (TVD) 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6769 Outside

Press@RunDepth: psig @ 3432.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.31 End Date: 2019.08.31 Last Calib.: 2019.08.31
 Start Time: 08:02:01 End Time: 13:42:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-15-BOB 20 secs total build of 158 psi
 ISI-30- GTS 1min 28" blow back
 FF-30- BOB 5 secs
 FSI-45- No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	G.O.S.M. 10%G 90%M	0.84
120.00	V.S.O.C.M. 15%G 5%O 80%M	1.68

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	85.00	670.52
Last Gas Rate	0.50	67.00	549.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530+0252
 ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65810 **DST#: 4**
 Test Start: 2019.08.31 @ 08:02:00

Tool Information

Drill Pipe:	Length: 3431.00 ft	Diameter: 3.80 inches	Volume: 48.13 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 48.13 bbl</u>	Tool Chased 8.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3431.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	99.00 ft			
Tool Length:	119.00 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			3412.00	
Shut In Tool	5.00			3417.00	
Hydraulic tool	5.00			3422.00	
Packer	5.00			3427.00	20.00 Bottom Of Top Packer
Packer	4.00			3431.00	
Stubb	1.00			3432.00	
Recorder	0.00	6772	Inside	3432.00	
Recorder	0.00	6769	Outside	3432.00	
Perforations	29.00			3461.00	
Change Over Sub	1.00			3462.00	
Drill Pipe	64.00			3526.00	
Change Over Sub	1.00			3527.00	
Bullnose	3.00			3530.00	99.00 Bottom Packers & Anchor

Total Tool Length: 119.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend KS 67530+0252
ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
Job Ticket: 65810 **DST#: 4**
Test Start: 2019.08.31 @ 08:02:00

Mud and Cushion Information

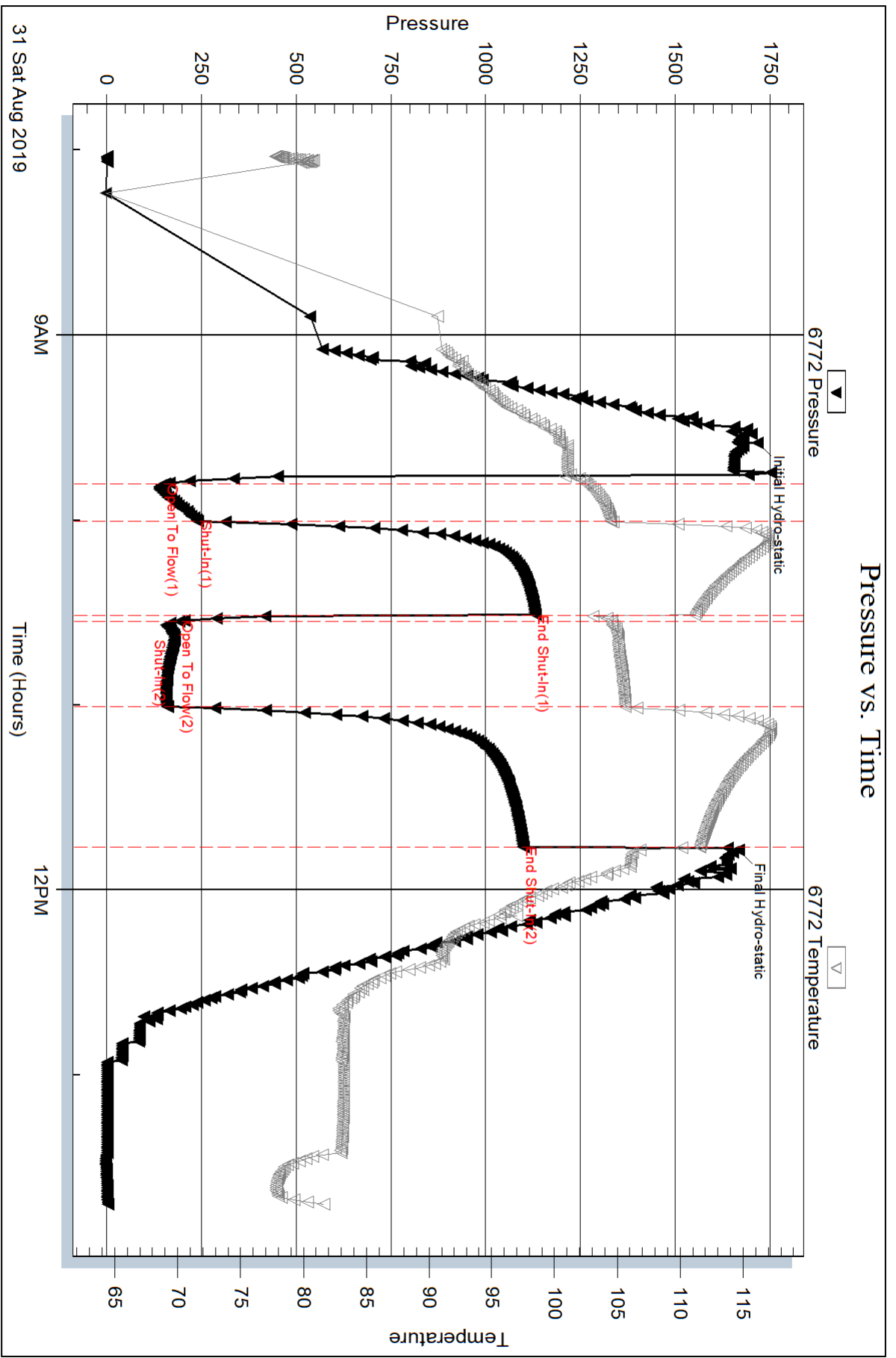
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.48 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6100.00 ppm			
Filter Cake: inches			

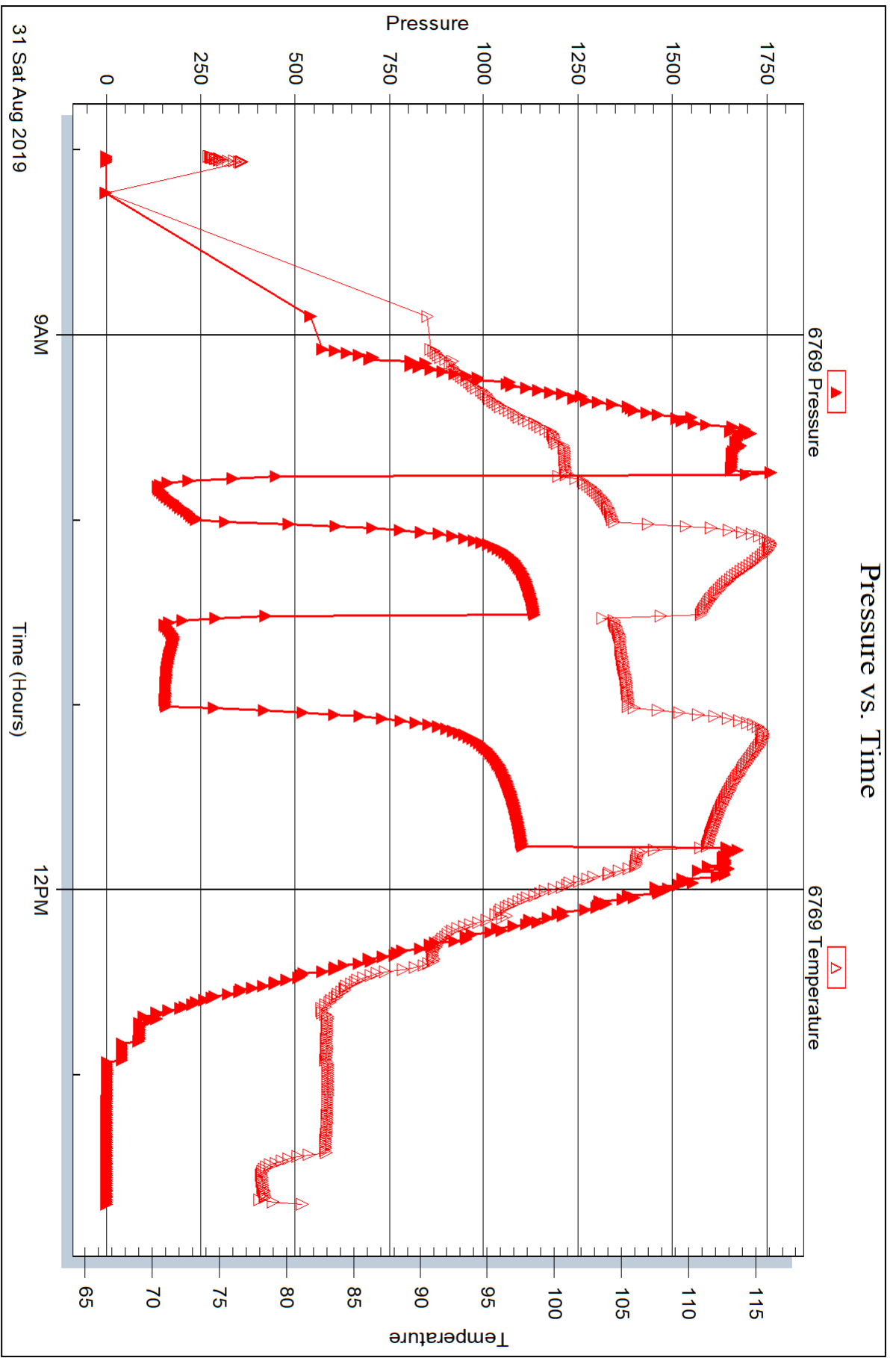
Recovery Information

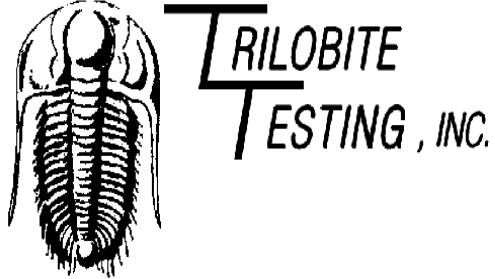
Recovery Table

Length ft	Description	Volume bbl
60.00	G.O.S.M. 10%G 90%M	0.842
120.00	V.S.O.C.M. 15%G 5%O 80%M	1.683

Total Length: 180.00 ft Total Volume: 2.525 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530+0252

ATTN: Wyatt Urban

Trump #2

1-20s-14w Barton,KS

Start Date: 2019.09.01 @ 04:47:00

End Date: 2019.09.01 @ 11:24:09

Job Ticket #: 65811 DST #: 5

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

Printed: 2019.09.06 @ 09:05:40

Charter Energy Inc 1-20s-14w Barton,KS Trump #2 DST # 5 LKC F-G 2019.09.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530+0252
ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
Job Ticket: 65811 **DST#: 5**
Test Start: 2019.09.01 @ 04:47:00

GENERAL INFORMATION:

Formation: **LKC F-G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:13:50
Time Test Ended: 11:24:09
Interval: **3250.00 ft (KB) To 3301.00 ft (KB) (TVD)**
Total Depth: 3575.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1874.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 5.00 ft

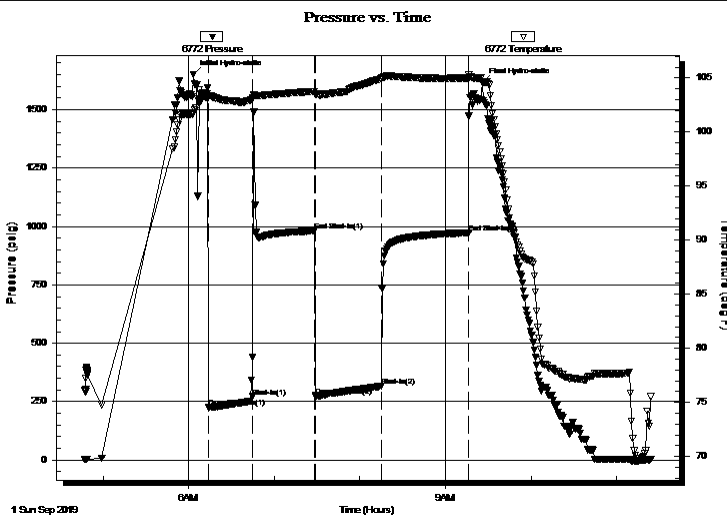
Serial #: 6772

Inside

Press@RunDepth: 314.75 psig @ 3257.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.09.01 End Date: 2019.09.01 Last Calib.: 2019.09.01
Start Time: 04:47:01 End Time: 11:24:10 Time On Btm: 2019.09.01 @ 06:03:10
Time Off Btm: 2019.09.01 @ 09:25:40

TEST COMMENT: IF-30- 7" build
ISI-45- no blow back
FF-45- 10" build
FSI-60- no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.23	101.71	Initial Hydro-static
11	224.27	103.24	Open To Flow (1)
42	270.56	103.05	Shut-In(1)
86	981.24	103.77	End Shut-In(1)
86	273.27	103.52	Open To Flow (2)
132	314.75	104.90	Shut-In(2)
194	972.63	104.98	End Shut-In(2)
203	1617.77	104.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
390.00	MUD 100%M	5.47
120.00	W.M. 30%W 70%M	1.68

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+0252
 ATTN: Wyatt Urban

1-20s-14w Barton,KS
Trump #2
 Job Ticket: 65811 **DST#: 5**
 Test Start: 2019.09.01 @ 04:47:00

Tool Information

Drill Pipe:	Length: 3243.00 ft	Diameter: 3.80 inches	Volume: 45.49 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:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 45.49 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	lb
Depth to Top Packer:	3250.00 ft			Final	lb
Depth to Bottom Packer:	3301.00 ft				
Interval between Packers:	51.00 ft				
Tool Length:	341.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3236.00	
Shut In Tool	5.00			3241.00	
Hydraulic tool	5.00			3246.00	
Packer	4.00			3250.00	15.00 Bottom Of Top Packer
Stubb	1.00			3251.00	
Perforations	5.00			3256.00	
Change Over Sub	1.00			3257.00	
Recorder	0.00	6772	Inside	3257.00	
Recorder	0.00	6769	Outside	3257.00	
Drill Pipe	32.00			3289.00	
Change Over Sub	1.00			3290.00	
Perforations	8.00			3298.00	
Blank Off Sub	1.00			3299.00	
Stubb	2.00			3301.00	
Packer	5.00			3306.00	51.00 Tool Interval
Packer	4.00			3310.00	
Stubb	1.00			3311.00	
Perforations	4.00			3315.00	
Recorder	0.00	9058	Below	3315.00	
Change Over Sub	1.00			3316.00	
Drill Pipe	256.00			3572.00	
Change Over Sub	1.00			3573.00	
Bullnose	3.00			3576.00	275.00 Bottom Packers & Anchor
Total Tool Length:	341.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

1-20s-14w Barton,KS

PO Box 252
Great Bend KS 67530+0252

Trump #2

Job Ticket: 65811

DST#: 5

ATTN: Wyatt Urban

Test Start: 2019.09.01 @ 04:47:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.48 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
390.00	MUD 100%M	5.471
120.00	W.M. 30%W 70%M	1.683

Total Length: 510.00 ft

Total Volume: 7.154 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

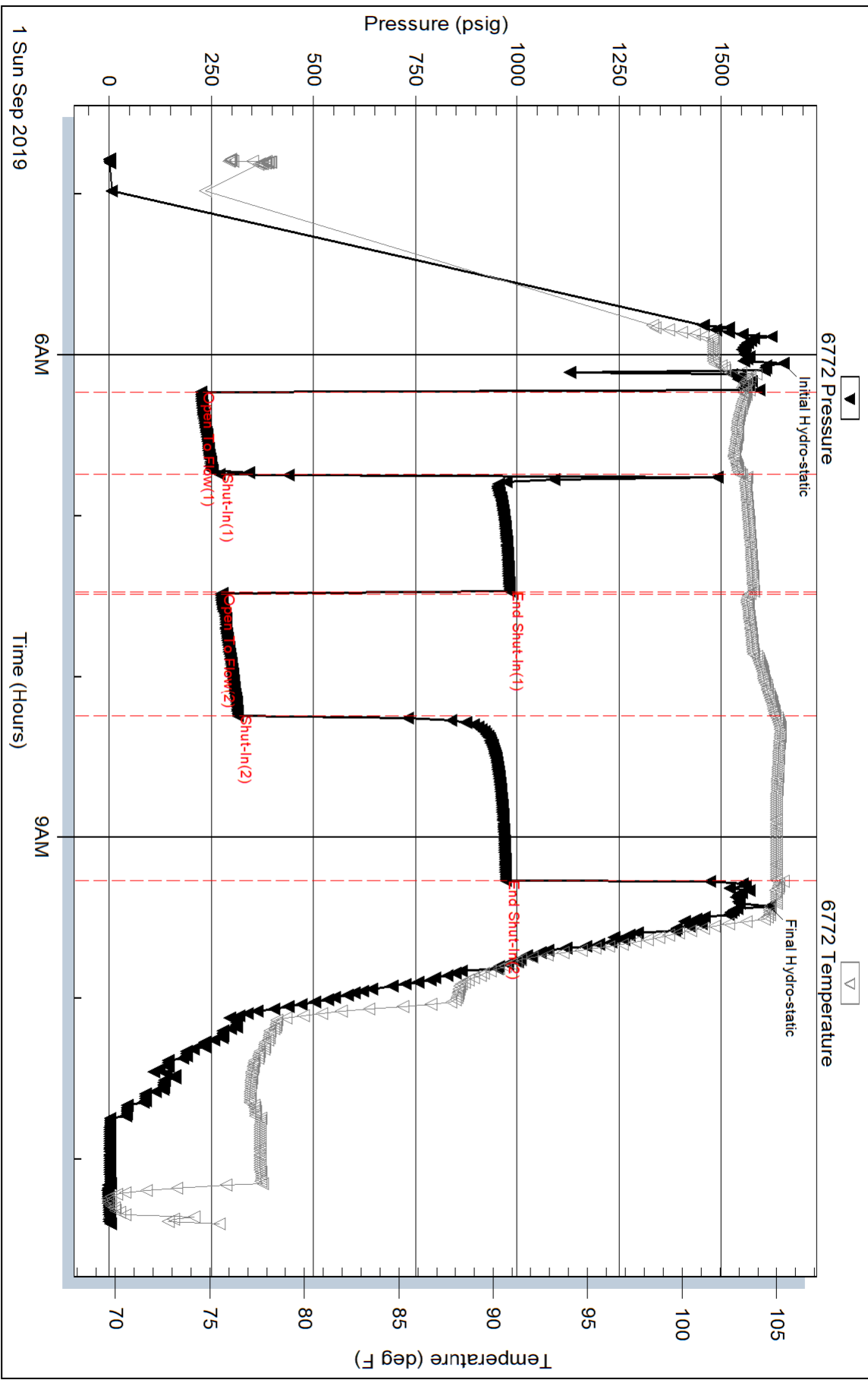
Serial #:

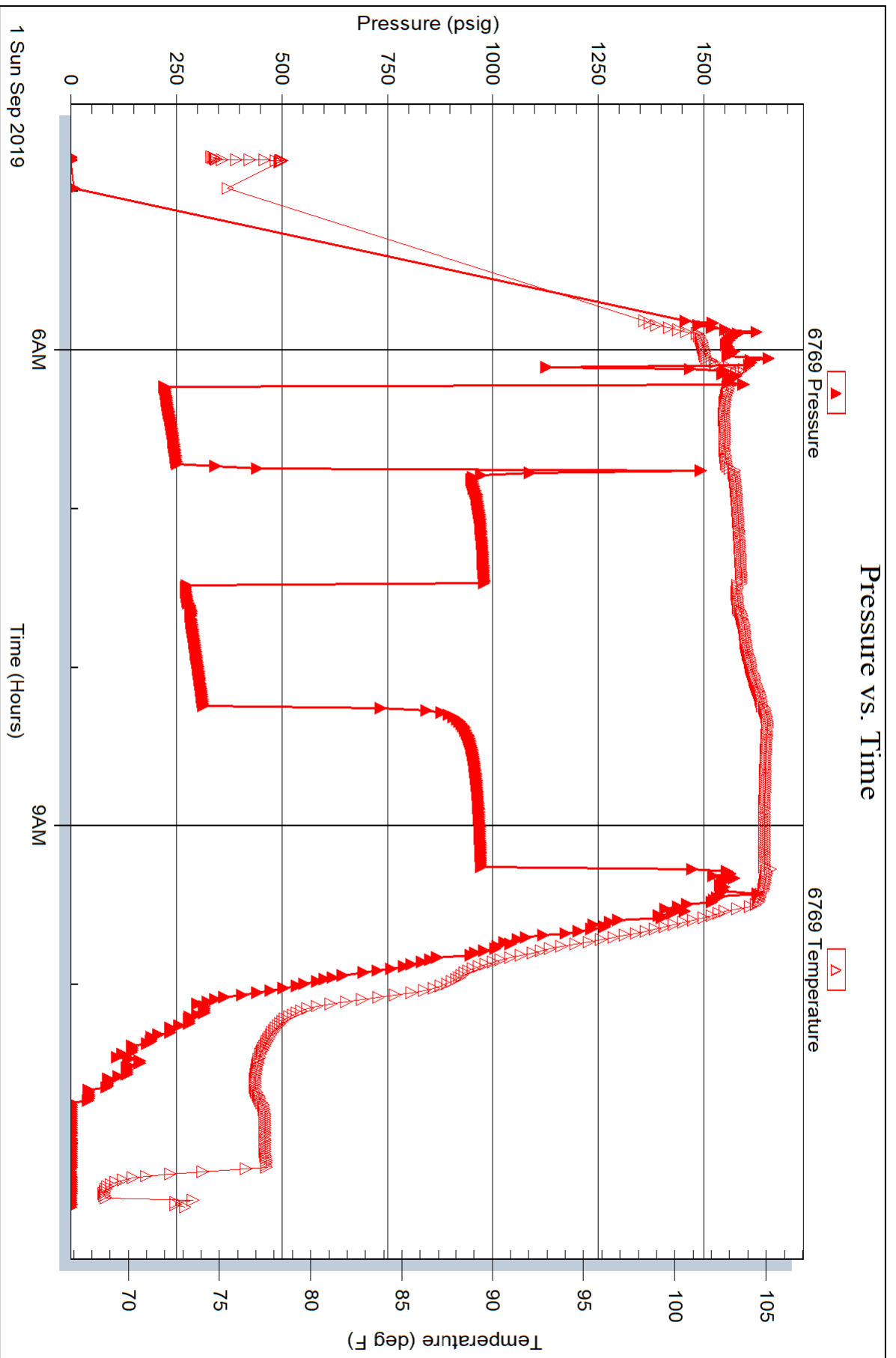
Laboratory Name:

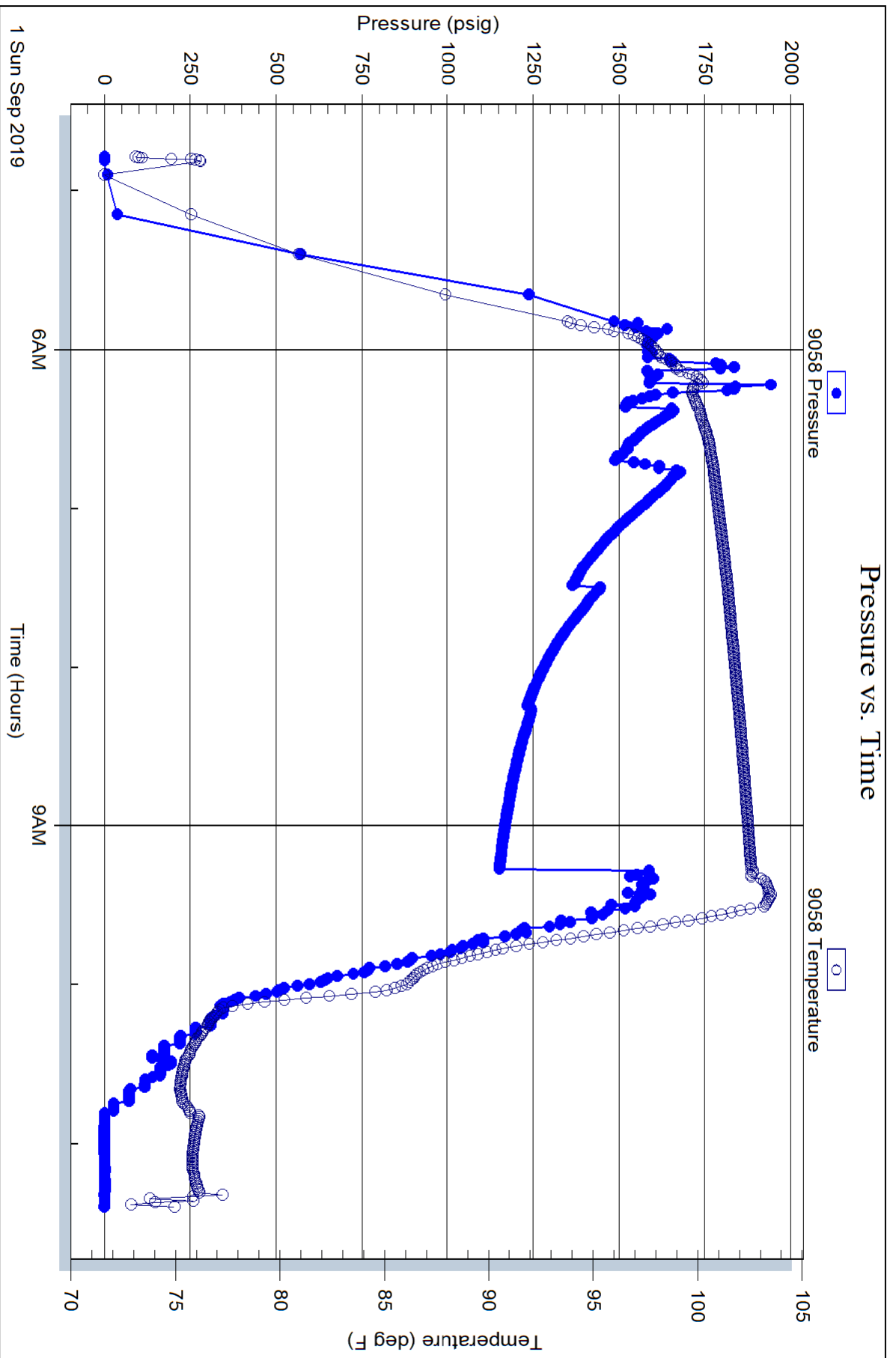
Laboratory Location:

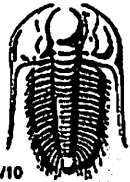
Recovery Comments:

Pressure vs. Time









TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65807

NO.

Well Name & No. Trump #2 Test No. 1 Date 8-29-2019
 Company Charter Energy Inc Elevation 1874' KB 1869 GL
 Address PO box 252 Greatbend KS 67530+0252
 Co. Rep / Geo. Wyatt Urban Rig Flex
 Location: Sec. 1 Twp 20S Rge. 14W Co. Barton State KS

Interval Tested 3209-3294 Zone Tested A-F LKC
 Anchor Length 85' Drill Pipe Run 3209 Mud Wt. 9.1
 Top Packer Depth 3204 Drill Collars Run _____ Vis 48
 Bottom Packer Depth 3209 Wt. Pipe Run _____ WL 8.8
 Total Depth 3294 Chlorides 3200 ppm System LCM Tr

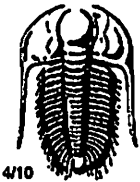
Blow Description IF - total build of 1 1/2"
ISJ - no blow back
FF - was dead flushed to oil and had weak surface blow for 15 mins
FSE - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40' BHT 103 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1547</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>7:09 AM</u>
(B) First Initial Flow <u>39</u>	<input type="checkbox"/> Jars _____	T-Started <u>7:57</u>
(C) First Final Flow <u>37</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>9:26</u>
(D) Initial Shut-In <u>82</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>11:23</u>
(E) Second Initial Flow <u>38</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:05</u>
(F) Second Final Flow <u>39</u>	<input checked="" type="checkbox"/> Mileage <u>4 mi RT</u>	Comments <u>Ruined packer</u>
(G) Final Shut-In <u>56</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1531</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> EM Tool _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer <u>320</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>25</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>320</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1524</u>
	Sub Total <u>1204</u>	MP/DST Disc't _____

Approved By _____ Our Representative Benny Mulligan
 Triobite 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 65808

NO.

Well Name & No. Trump #2 Test No. 2 Date 8-29-2019
 Company Charter Energy Inc Elevation 1874 KB 1869 GL
 Address PO BOX 252 Greatbend KS 67530-0252
 Co. Rep / Geo. Wyatt Urban Rig Flex
 Location: Sec. 1 Twp 20s Rge. 14w Co. Barton State KS

Interval Tested 3334-3358 Zone Tested LKC H
 Anchor Length 24' Drill Pipe Run 3330 Mud Wt. 9.1
 Top Packer Depth 3329 Drill Collars Run _____ Vis 48
 Bottom Packer Depth 3334 Wt. Pipe Run _____ WL 8.8
 Total Depth 3358 Chlorides 3200 ppm System LCM Tr
 Blow Description IF - built to 5 1/2" and ~~stopped~~ dropped to 4" towards end of open
FST - no blow back
FF - was dead flushed got weak surface blow
FST - no blow back

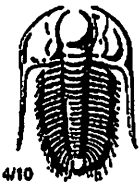
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>0.5 m.</u>			<u>100%</u>	<u>mud</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 105 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1628 Test 1200 T-On Location 8:15 PM
 (B) First Initial Flow 45 Jars _____ T-Started 8:53
 (C) First Final Flow 44 Safety Joint _____ T-Open 10:47
 (D) Initial Shut-In 583 Circ Sub _____ T-Pulled 1:02 AM
 (E) Second Initial Flow 44 Hourly Standby _____ T-Out 2:35 AM
 (F) Second Final Flow 47 Mileage 4 mi RT Comments _____
 (G) Final Shut-In 264 Sampler _____
 (H) Final Hydrostatic 1596 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1204

Initial Open 30 EM Tool _____
 Initial Shut-In 45 Ruined Shale Packer _____
 Final Flow 30 Ruined Packer _____
 Final Shut-In 30 Extra Copies _____
 Sub Total 0
 Total 1204
 MP/DST Disc't _____

Approved By _____ Our Representative Benny Mulligan
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65809

NO.

Well Name & No. Trump #2 Test No. 3 Date 8-30-2019
 Company Charter Energy Inc Elevation 1874 KB 1869 GL
 Address PO Box 252 Greatbend KS 67530-0252
 Co. Rep / Geo. Wyatt Urban Rig Flex
 Location: Sec. 1 Twp 20S Rge. 14W Co. Barton State KS

Interval Tested 3336-3410 Zone Tested LKC-14-I
 Anchor Length 74' Drill Pipe Run 3338 Mud Wt. 9.1
 Top Packer Depth 3331 Drill Collars Run _____ Vis 48
 Bottom Packer Depth 3336 Wt. Pipe Run _____ WL 8.4
 Total Depth 3410 Chlorides 5,700 ppm System LCM Tr

Blow Description IF - built to 10 1/2"
EST - no blow back
FF - built to 8"
FSE - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>0.5m.</u>		<u>1</u>		<u>99</u>
<u>60</u>	<u>M.W.</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

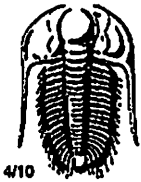
Rec Total 120' BHT 104 Gravity _____ API RW 0.205 @ 82.6°F Chlorides 28,000 ppm

(A) Initial Hydrostatic 1632 Test 1200 T-On Location 10:22 AM
 (B) First Initial Flow 29 Jars _____ T-Started 10:56
 (C) First Final Flow 49 Safety Joint _____ T-Open 12:20 PM
 (D) Initial Shut-In 752 Circ Sub _____ T-Pulled 2:50
 (E) Second Initial Flow 54 Hourly Standby _____ T-Out 4:49
 (F) Second Final Flow 76 Mileage 4mi RT Comments _____
 (G) Final Shut-In 756 Sampler _____
 (H) Final Hydrostatic 1611 Straddle _____
 EM Tool _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 45 Extra Recorder _____
 Final Shut-In 45 Day Standby _____
 Accessibility _____ Sub Total 0
 Sub Total 1204 Total 1204 MP/DST Disc't _____

Approved By _____ Our Representative Benny Mulligan

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65810

NO.

Well Name & No. Trump #2 Test No. 4 Date 8-31-2019
 Company Charter Energy Inc Elevation 1874 KB 1869 GL
 Address PO BOX 252 Great Bend KS 67530+0252
 Co. Rep / Geo. Wyatt Urban Rig Flex
 Location: Sec. 1 Twp 20S Rge. 14W Co. Barton State KS

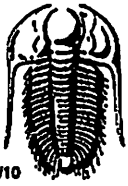
Interval Tested 3431-3530 Zone Tested Arbuckle
 Anchor Length 99' Drill Pipe Run 3431 Mud Wt. 9.2
 Top Packer Depth 3426 Drill Collars Run _____ Vis 54
 Bottom Packer Depth 3431 Wt. Pipe Run _____ WL 10.5
 Total Depth 3530 Chlorides 6100 ppm System LCM Tr
 Blow Description IF - BDB 20 secs total build 158 psi
IST - 28" blow back GTS /min
FF - BDB 5 secs
FST - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>G.O.S.M.</u>	<u>10</u>		<u>90</u>	
<u>120</u>	<u>V.S.D.C.M.</u>	<u>15</u>	<u>5</u>	<u>80</u>	
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 180 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1717</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>7:20 AM</u>
(B) First Initial Flow <u>153</u>	<input type="checkbox"/> Jars _____	T-Started <u>8:02</u>
(C) First Final Flow <u>241</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>9:46</u>
(D) Initial Shut-In <u>1131</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>11:46</u>
(E) Second Initial Flow <u>192</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:42</u>
(F) Second Final Flow <u>162</u>	<input checked="" type="checkbox"/> Mileage <u>4 mi AT</u>	Comments _____
(G) Final Shut-In <u>1100</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1667</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> EM Tool _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1204</u>
	Sub Total <u>1204</u>	MP/DST Disc't _____

Approved By _____ Our Representative Benny Mulligan
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65811

NO.

Well Name & No. Trump #2 Test No. 5 Date 9-1-2019
 Company Charter Energy Inc Elevation 1874 KB 1869 GL
 Address PO Box 252 Great Bend KS 67530+0252
 Co. Rep / Geo. Wyatt Urban Rig Flex
 Location: Sec. 1 Twp 20s Rge. 14w Co. Barton State KS

Interval Tested 3250-3301 Zone Tested LKC F-6
 Anchor Length 57' Drill Pipe Run 3243 Mud Wt. 9.2
 Top Packer Depth _____ Drill Collars Run _____ Vls 54
 Bottom Packer Depth 3250 Wt. Pipe Run _____ WL 10.5
 Total Depth 3574 Chlorides 6100 ppm System LCM Tr
 Blow Description FF - 7" build
FSE - no blow back
FF - 10" build
FSE - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>390</u>	<u>Mud</u>			<u>100</u>	<u>mud</u>
<u>120</u>	<u>W.M.</u>		<u>30</u>	<u>70</u>	<u>mud</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 510' BHT 104 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1651 Test 1200 T-On Location 3:15 Am
 (B) First Initial Flow 224 Jars _____ T-Started 4:47
 (C) First Final Flow 270 Safety Joint _____ T-Open 6:15
 (D) Initial Shut-In 981 Circ Sub _____ T-Pulled 9:15
 (E) Second Initial Flow 273 Hourly Standby _____ T-Out 11:24
 (F) Second Final Flow 314 Mileage 4 mi. RT 4 Comments Loaded tools
 (G) Final Shut-In 972 Sampler _____ after DST 5
 (H) Final Hydrostatic 1617 Straddle 600 EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1804
 Sub Total 1804 MP/DST Disc't _____

Approved By _____ Our Representative Benny Mulligan
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Mudgrove

PETROLEUM CORPORATION
Clafin, Kansas

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Charter Energy

LEASE Trump # 2

FIELD Four

LOCATION SE-SW-NE-SW (1530' FSL & 1730' FWL)

SEC 1 TWSP 20s RGE 14w

COUNTY Barton STATE Kansas

CONTRACTOR Flex Drilling (rig # 1)

SPUD 8/22/2019 COMP 08/31/2019

RTD 3574' LTD 3575'

MUD UP 2900' TYPE MUD Chemical

ELEVATIONS

KB 1874'

DF _____

GL 1869'

Measurements Are All
From KB

CASING

SURFACE 8 5/8" @ 1105'

PRODUCTION None

ELECTRICAL SURVEYS

ELI; CDL/ CNL,
DUCP, MICRO

SAMPLES SAVED FROM _____ 2900' TO _____ RTD

DRILLING TIME KEPT FROM _____ 2900' TO _____ RTD

SAMPLES EXAMINED FROM _____ 2900' TO _____ RTD

GEOLOGICAL SUPERVISION FROM _____ 2930' TO _____ RTD

GEOLOGIST ON WELL Wyatt Urban

FORMATION TOPS	LOG		SAMPLES	
Anhydrite	2470	(-559)		
B. Anhydrite	2479	(-568)		
Heebner	3109	(-1235)	3109	(-1235)
Toronto	3124	(-1250)	3123	(-1249)
Brown Lime	3208	(-1334)	3208	(-1334)
Lansing	3217	(-1343)	3219	(-1345)
Base KC	3444	(-1570)	3444	(-1570)







	1		

Conglomerate	3453	(-1579)	3448	(-1581)	
Arbuckle	3495	(-1621)	3495	(-1621)	
RTD	3575	(-1701)	3575	(-1701)	
LTD	3574	(-1700)	3574	(-1700)	

DRILLSTEM TESTS

No	Interval	Formation
1	0.00	

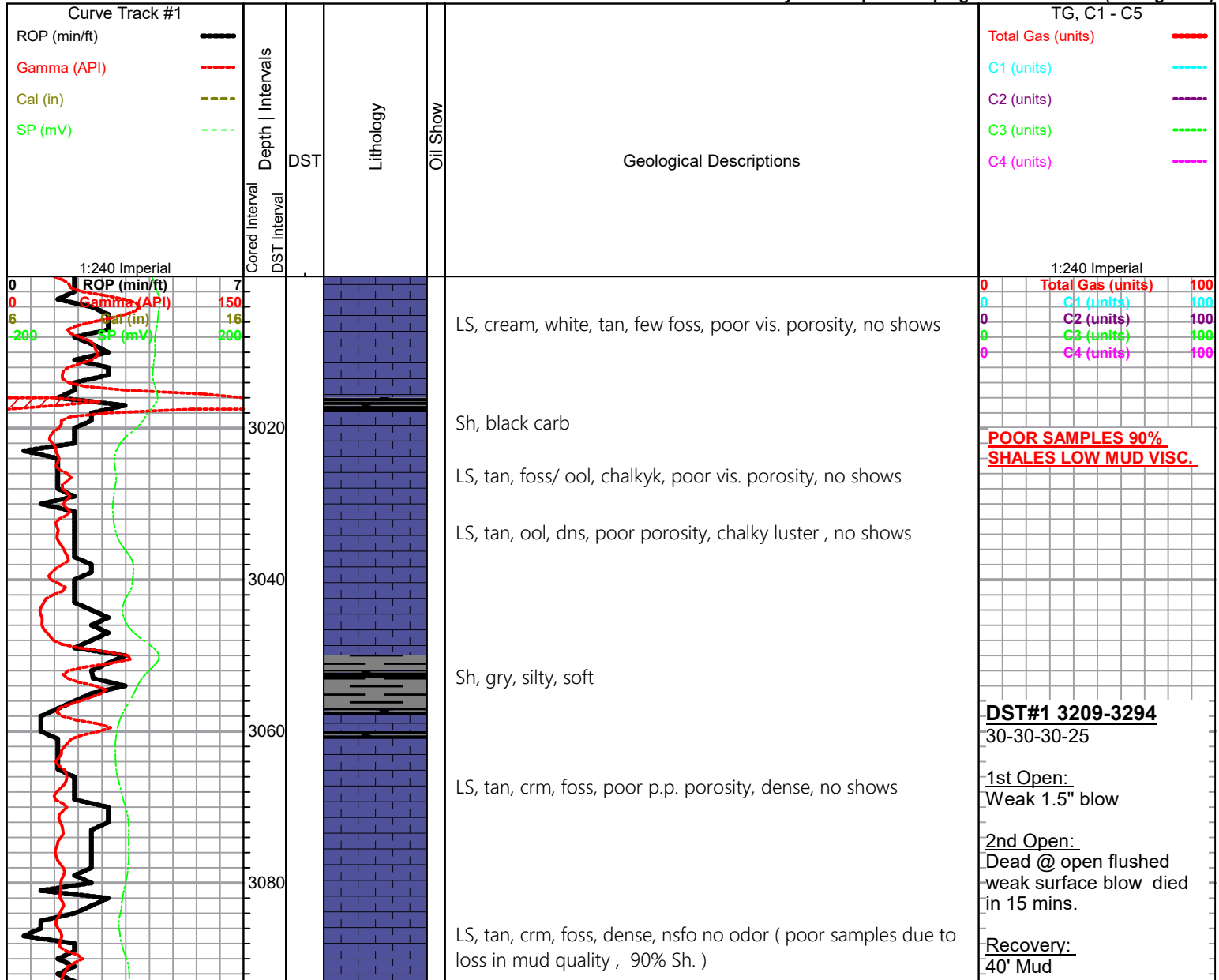
ROCK TYPES

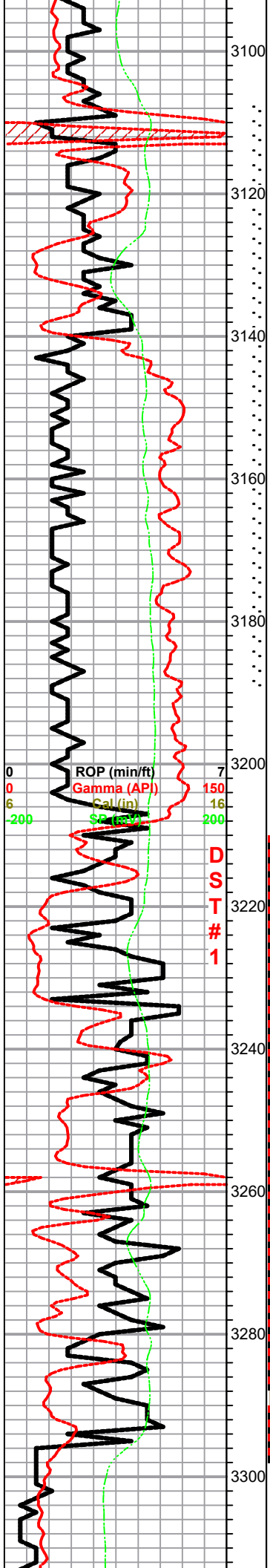
 Dolprim	 shale, grn	 Carbon Sh
 Lmst fw<7	 shale, gry	 shale, red

OTHER SYMBOLS

INTERVALS	Oil Show	DST
■ Core	● Good Show	■ DST Int
· DST	● Fair Show	■ DST alt
	● Poor Show	■ Core
	○ Spotted or Trace	tail pipe
	○ Questionable Stn	
	D Dead Oil Stn	
	■ Fluorescence	
	* Gas	

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HEEBNER 3109.0 -1235.0

Sh, black carb
 LS, tan, brn dns, poor vis. porosity, no shows.
 Sh, gry, silty soft
 Sh, gry, dk gry, tr. ls, tan, fxl, dense

TORONTO 3123.0 -1249.0

LS, cream, tan, few foss, poor vis. por., v. chalky, tr. lt. brn stain, nsfo, no odor

DOUGLAS 3140.0 -1266.0

Sh, gry, silty, soft
 Sh, a/a, tr. gry sd., v. f. grain poor porosity, mica,
 Sh, gry silty soft

BROWN LIME 3208.0 -13634.0

LS, bn, fxl, dense, cherty, few foss, tr. pyrite inclusions
 Sh gry soft, mica,

LANSING 3219.0 -1345.0

LS, cream, white, few foss, poor vis. porosity, v chalky
 LS, brn, gran, poor vis. porosity, sl. chalky., lt. brn spty stain, tr. brn spty sfo, no odor
 LS, tan, scattered vugy type porosity brn - blk stain, spty sfo, faint odor, vis. gas bubbles.
 LS, brn dense cherty, no shows no odor
 LS, tan, poor vis. porosity, few p.p. - vuggy type porosity, lt. brn stain, dk brn sat/sfo, fair odor, tr. white, ool cherts
 LS, tan, brn, (lg/coarse re-xln qtz clasts) poor scattered porosity, dk brn spty stain, spty sfo, strong odor, (60" min. sample decrease in SFO)

LS, tan, brn, oom, good vuggy porosity, dk brn - blk stain/sat., sfo, good odor (3330' sample cup)

Pressures:
 ISIP 82 psi
 FSIP 56 psi
 IFP 39-37 psi
 FFP 38-39 psi
 HSH 1547-1531 psi
 *Tool Did slide 8'

DST#2 3334-3358
 30-45-30-30

1st Open:
 weak build to 5.5"

2nd Open:
 dead on open flushed,
 weak surface blow

Recovery:
 60' O.S.M.
 <1% Oil

Pressures:
 ISIP 583 psi
 FSIP 264 psi
 IFP 45-44 psi
 FFP 44-47 psi
 HSH 1628-1593 psi

DST#3 3336-3410
 30-30-45-45

1st Open:
 Fair build to 10.5"

2nd Open:
 Built to 8"

Recovery:
 60' OSM
 (1%O, 99%M)

60' MUDDY WATER

Pressures:
 ISIP 752 psi
 ISIP 756 psi
 IFP 29-49 psi
 FFP 54-76 psi
 HSH 1632-1611 psi

3320
3340
3360
3380
3400
3420
3440
3460
3480
3500
3520

RO (min/ft) 7
Gamma (API) 150
6 16
-200 200
-5 mV

LS, tan, good vuggy oom porosity, no shows
LS, tan, brn, foss, ool, dense, dk brn spty stain , wk. sfo, ??? odor
Sh, black carb
LS, a/a., foss, vuggy type porosity, sptty brn stain , sfo, odor , Tr. LS, white dense, fxl, dense, no shows
Slug gry sh.
LS, tan, vuggy oom porosity, dk brn stain, wk sptty sfo, faint odor
Sh, gry, silty
LS, white, gry, foss, ool, scattered p.p. type porosity, chalky, tr. blk- brn stain , sfo, odor
LS, tan, scattered vuggy / oom por. lt. brn stain , good golden brn sfo, odor
LS, tan, cream, few foss/ ool, poor porosity, chalky, tr. blk / gry stain , nsfo, no odor
Slug gry, greenish, aqua greenish sh
LS, cream, tan , foss, chalky, poor porosity, nsfo, no odor
Sh, maroon, green, silty
LS, white, ool, dense, poor vis. porosity, blk stain(flakey dead oil)
Sh, maroon, gry, greenish, tr. white, opaque cherts
LS, white, foss, scattered p.p. porosity, tr. blk stain, tr. flakey / visc. sfo, no odor
Tr. LS, gry, oom, vuggy porosity, v. dense, dk blk heavy stain, tr. sfo, no odor, Abd. sh. maroon, green soft
Sh, gry, maroon, silty, tr. aqua green, dolomitic sh.

BKC 3444.0 -1570.0

ARBUCKLE 3495.0 -1621.0

Dol, white, cream, f- med xln, poor inxln por. lt. brn stain, sptty sfo, strong odor
Dol., tan, gry, gran. poor vis. porosity, dense, tr. brn stain, tr. brn sfo, (Very dense)
Dol, gray tan, suc, med xln, fair inxln porosity blk stain , sfo, strong odor

DST#4 3431-3530
15-30-30-30

1st Open:
BOB 20 sec.
1st shut in:
28" return GTS 1 min.

2nd open:
BOB 5 mins.

2nd Shut In:
return

Recovery :
60' Gassy oil Spotted mud
(10%G, >1%O, 90%M)

120' VSOCM
(15%G, 5%O, 80%M)

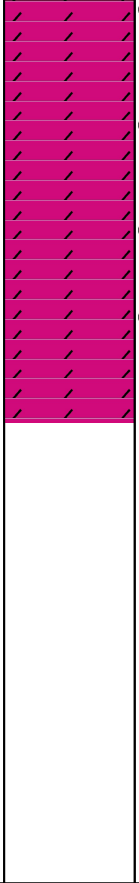
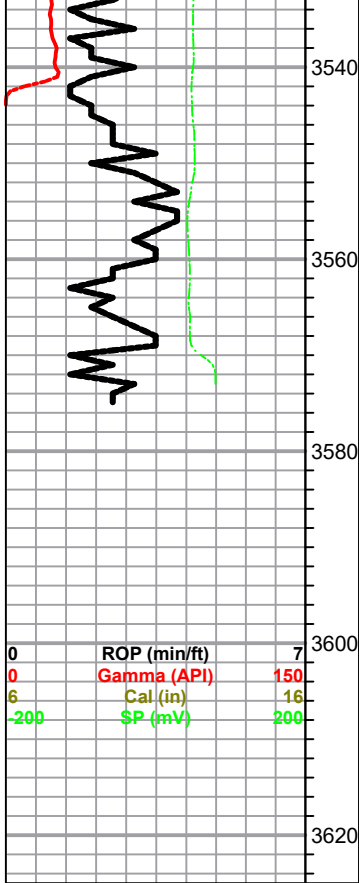
Pressures:
ISIP 1131 psi
FSIP 1100 psi
IFP 153-241 psi
FFP 192-162 psi
HSH 1717-1667 psi

DST# 5 3250-3301
30-45-45-60
STRADDLE TEST

1st Open :
Fair blow built to 7"

2nd Open:
fair blow built to 10"

Recovery:
120' Watery Mud



Dol, tan, fxl, suc. poor inxln porosity, tr. spty brn blk stain, sfo, strong odor, abd. tr white,opaque ool cherts

Dol, tan, fxl, suc, poor inxln porosity, dense, tr. spty blk stain, wk sfo, faint odor

Dol, white, cream, poor inxln porosity, poor blk spty stain, nsfo,

Dol., white, cream, fair inxln porosity, tr. blk stain (flakey) nsfo, no odor, tr. white, gry ool cherts, tr. pyrite

RTD 3575.0 0.0

390' Mud

Pressures

- ISIP 270 psi
- FSIP 314 psi
- IFP 224-981 psi
- FFP 314-972 psi
- HSH 1651 - 1617 psi

Depth (ft)	Total Gas (units)	C1 (units)	C2 (units)	C3 (units)	C4 (units)
0	100	100	100	100	100
0	100	100	100	100	100
0	100	100	100	100	100
0	100	100	100	100	100
0	100	100	100	100	100