

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](mailto: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
--	---

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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--





## DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252  
Great Bend KS 67530+0252

ATTN: Bob O'Dell

### **Hipp #1**

#### **27-16s-13w Barton,KS**

Start Date: 2021.08.18 @ 23:24:00

End Date: 2021.08.19 @ 07:19:47

Job Ticket #: 66900                      DST #: 1

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

Printed: 2021.08.23 @ 15:29:09



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Charter Energy Inc  
 PO Box 252  
 Great Bend KS 67530+0252  
 ATTN: Bob O'Dell

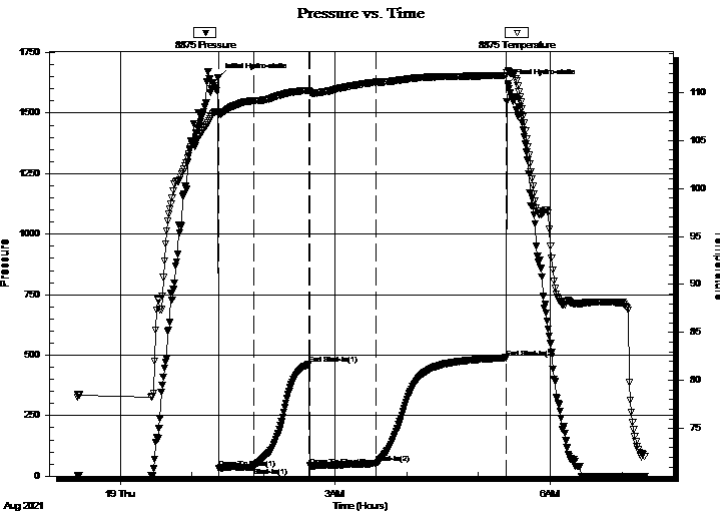
**27-16s-13w Barton,KS**  
**Hipp #1**  
 Job Ticket: 66900 **DST#: 1**  
 Test Start: 2021.08.18 @ 23:24:00

## GENERAL INFORMATION:

Formation: **LKC H**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:22:22  
 Time Test Ended: 07:19:47  
 Interval: **3299.00 ft (KB) To 3330.00 ft (KB) (TVD)**  
 Total Depth: 3330.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Spencer J Staab  
 Unit No: 84  
 Reference Elevations: 1969.00 ft (KB)  
 1961.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8875 Outside**  
 Press@RunDepth: 52.49 psig @ 3300.00 ft (KB) Capacity: psig  
 Start Date: 2021.08.18 End Date: 2021.08.19 Last Calib.: 2021.08.19  
 Start Time: 23:24:01 End Time: 07:19:47 Time On Btm: 2021.08.19 @ 01:21:47  
 Time Off Btm: 2021.08.19 @ 05:24:42

**TEST COMMENT:** 30-IF-Slid 7' Bled off 3" Blow Surface to 8 3/4"  
 45-ISI-Surface to 3/4"  
 60-FF-BOB 12 mins Built to 22"  
 60-FSI-Surface Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.12	107.99	Initial Hydro-static
1	31.82	107.67	Open To Flow (1)
30	38.02	109.13	Shut-In(1)
76	462.47	110.17	End Shut-In(1)
78	41.74	110.01	Open To Flow (2)
133	52.49	111.06	Shut-In(2)
242	489.32	111.78	End Shut-In(2)
243	1621.93	112.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMO 50%G 20%M 30%O	0.85
40.00	GHOCM 10%G 20%O 70%M	0.57
0.00	600 GIP 100%G	0.00

## 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: Bob O'Dell

**27-16s-13w Barton,KS**  
**Hipp #1**  
Job Ticket: 66900 **DST#: 1**  
Test Start: 2021.08.18 @ 23:24:00

**Tool Information**

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.82 inches	Volume: 46.67 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	77000.00 lb
			<u>Total Volume:</u>	Tool Chased	7.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3299.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	31.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3267.00	
Change Over Sub	1.00			3268.00	
Shut In Tool	5.00			3273.00	
Hydraulic tool	5.00		Fluid	3278.00	
Jars	5.00			3283.00	
Gap Sub	4.00			3287.00	
Safety Joint	3.00			3290.00	
Packer	5.00			3295.00	33.00 Bottom Of Top Packer
Packer	4.00			3299.00	
Stubb	1.00			3300.00	
Recorder	0.00	6838	Inside	3300.00	
Recorder	0.00	8875	Outside	3300.00	
Perforations	27.00			3327.00	
Bullnose	3.00			3330.00	31.00 Bottom Packers & Anchor

**Total Tool Length: 64.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Charter Energy Inc

**27-16s-13w Barton,KS**

PO Box 252  
Great Bend KS 67530+0252

**Hipp #1**

Job Ticket: 66900

**DST#: 1**

ATTN: Bob O'Dell

Test Start: 2021.08.18 @ 23:24:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GMO 50%G 20%M 30%O	0.851
40.00	GHOCM 10%G 20%O 70%M	0.567
0.00	600 GIP 100%G	0.000

Total Length: 100.00 ft

Total Volume: 1.418 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

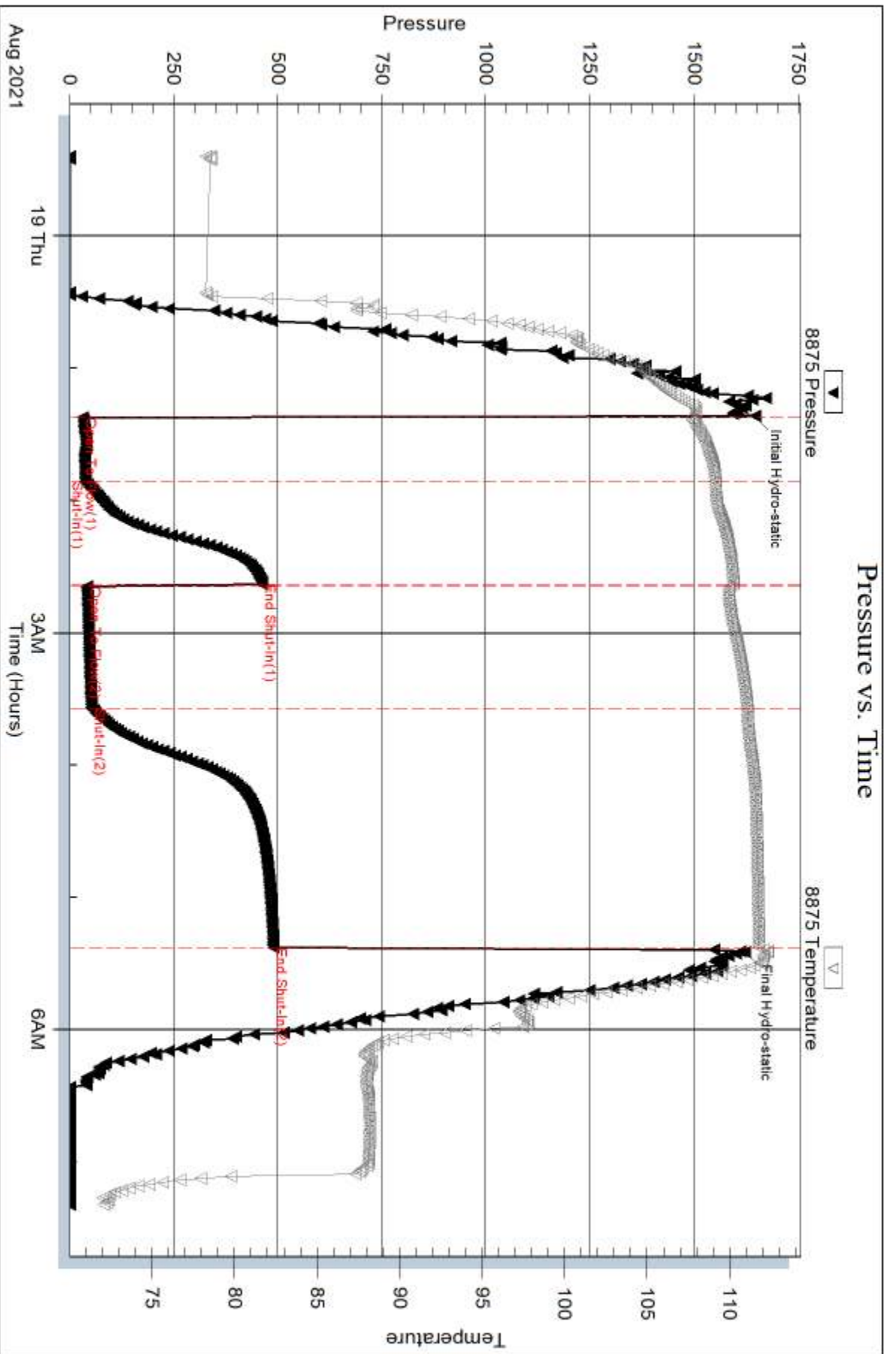
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM





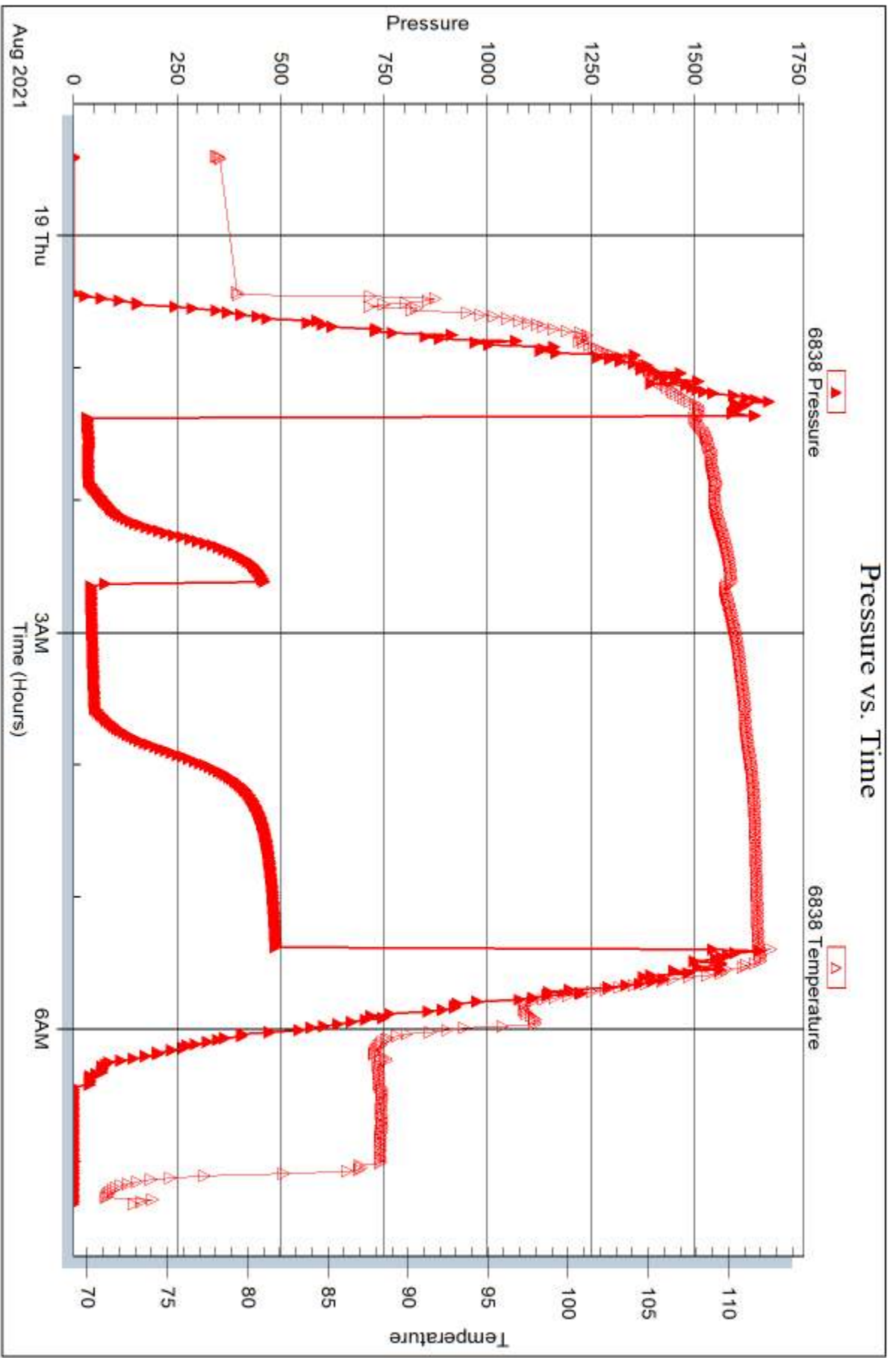
Serial #: 6838

Inside

Charter Energy Inc

Hipp #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66900

Printed: 2021.08.23 @ 15:29:09



## DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252  
Great Bend KS 67530+0252

ATTN: Bob O'Dell

### **Hipp #1**

#### **27-16s-13w Barton,KS**

Start Date: 2021.08.19 @ 19:40:00

End Date: 2021.08.20 @ 02:57:47

Job Ticket #: 67755                      DST #: 2

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

Printed: 2021.08.23 @ 15:28:22



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Charter Energy Inc  
PO Box 252  
Great Bend KS 67530+0252  
ATTN: Bob O'Dell

**27-16s-13w Barton,KS**  
**Hipp #1**  
Job Ticket: 67755 **DST#: 2**  
Test Start: 2021.08.19 @ 19:40:00

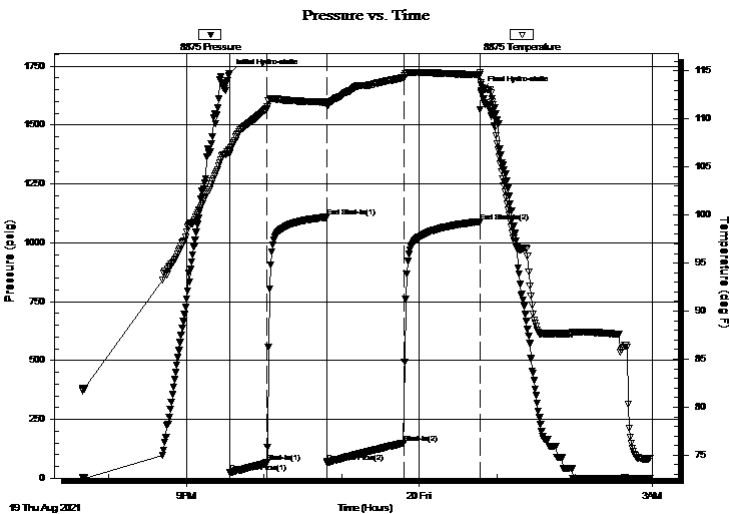
## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 21:33:22  
Time Test Ended: 02:57:47  
Interval: **3410.00 ft (KB) To 3432.00 ft (KB) (TVD)**  
Total Depth: 3432.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Spencer J Staab  
Unit No: 84  
Reference Elevations: 1969.00 ft (KB)  
1961.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 8875 Outside**  
Press@RunDepth: 149.94 psig @ 3411.00 ft (KB) Capacity: psig  
Start Date: 2021.08.19 End Date: 2021.08.20 Last Calib.: 2021.08.20  
Start Time: 19:40:01 End Time: 02:57:47 Time On Btm: 2021.08.19 @ 21:33:12  
Time Off Btm: 2021.08.20 @ 00:47:26

TEST COMMENT: 30-IF-BOB 30 mins  
45-ISI-Weak Surface Died @ 5 mins  
60-FF-BOB 50 mins Built to 12 3/4"  
60-FSI-Weak Surface

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1719.70	106.73	Initial Hydro-static
1	22.78	106.40	Open To Flow (1)
29	65.28	111.08	Shut-In(1)
75	1108.45	111.73	End Shut-In(1)
76	67.75	111.46	Open To Flow (2)
135	149.94	114.33	Shut-In(2)
194	1089.94	114.59	End Shut-In(2)
195	1646.00	113.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 20%O 80%M	0.43
350.00	GO 50%G 50%O	4.96
0.00	30 GIP 100%G	0.00

\* 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+0252  
 A TTN: Bob O'Dell

**27-16s-13w Barton,KS**  
**Hipp #1**  
 Job Ticket: 67755 **DST#: 2**  
 Test Start: 2021.08.19 @ 19:40:00

**Tool Information**

Drill Pipe:	Length: 3390.00 ft	Diameter: 3.82 inches	Volume: 48.05 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased	ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3410.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3378.00	
Change Over Sub	1.00			3379.00	
Shut In Tool	5.00			3384.00	
Hydraulic tool	5.00		Fluid	3389.00	
Jars	5.00			3394.00	
Gap Sub	4.00			3398.00	
Safety Joint	3.00			3401.00	
Packer	5.00			3406.00	33.00 Bottom Of Top Packer
Packer	4.00			3410.00	
Stubb	1.00			3411.00	
Recorder	0.00	6838	Inside	3411.00	
Recorder	0.00	8875	Outside	3411.00	
Perforations	18.00			3429.00	
Bullnose	3.00			3432.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Charter Energy Inc

**27-16s-13w Barton,KS**

PO Box 252  
Great Bend KS 67530+0252

**Hipp #1**

Job Ticket: 67755

**DST#: 2**

ATTN: Bob O'Dell

Test Start: 2021.08.19 @ 19:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 20%O 80%M	0.425
350.00	GO 50%G 50%O	4.961
0.00	30 GIP 100%G	0.000

Total Length: 380.00 ft

Total Volume: 5.386 bbl

Num Fluid Samples: 0

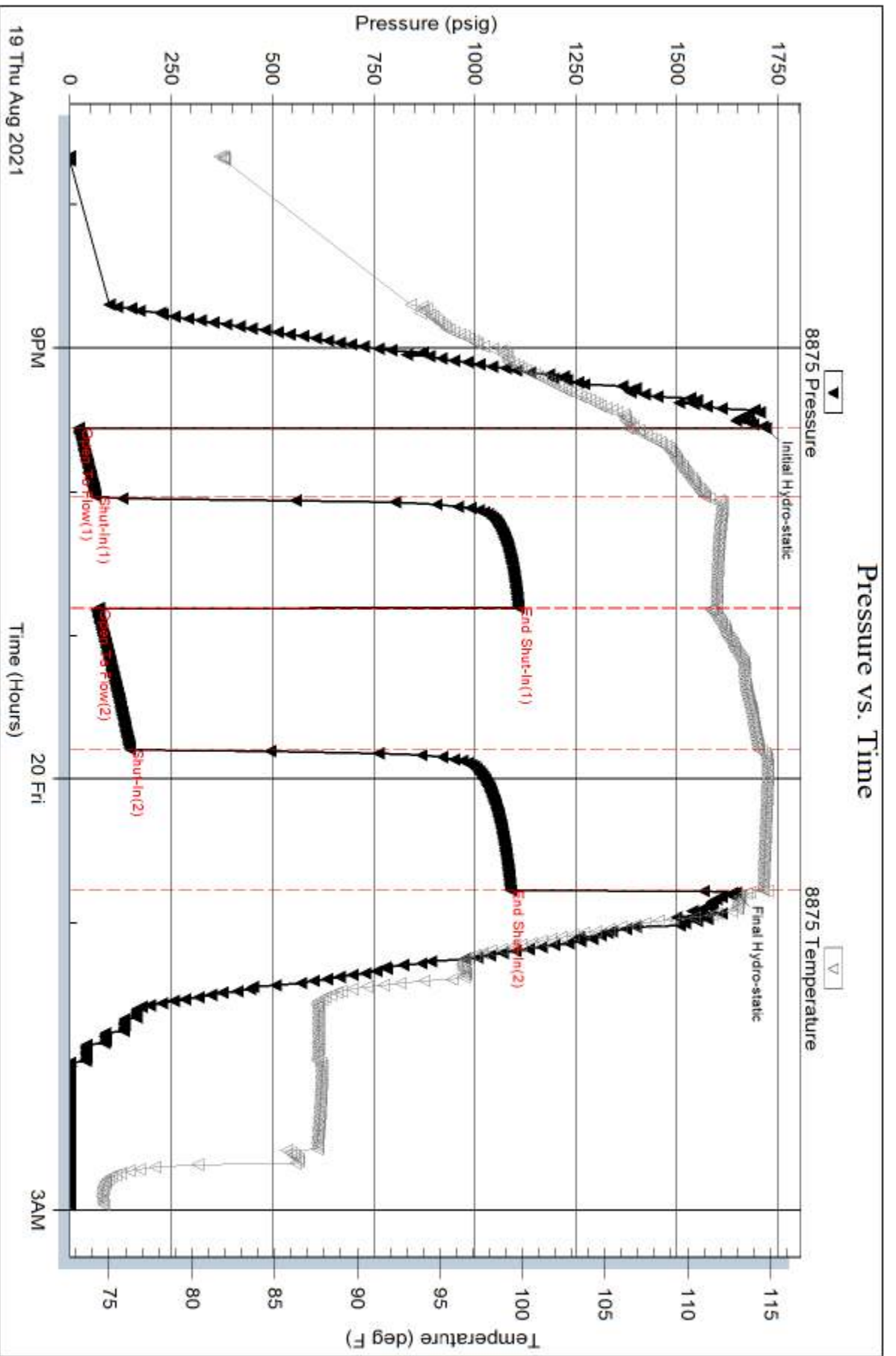
Num Gas Bombs: 0

Serial #:

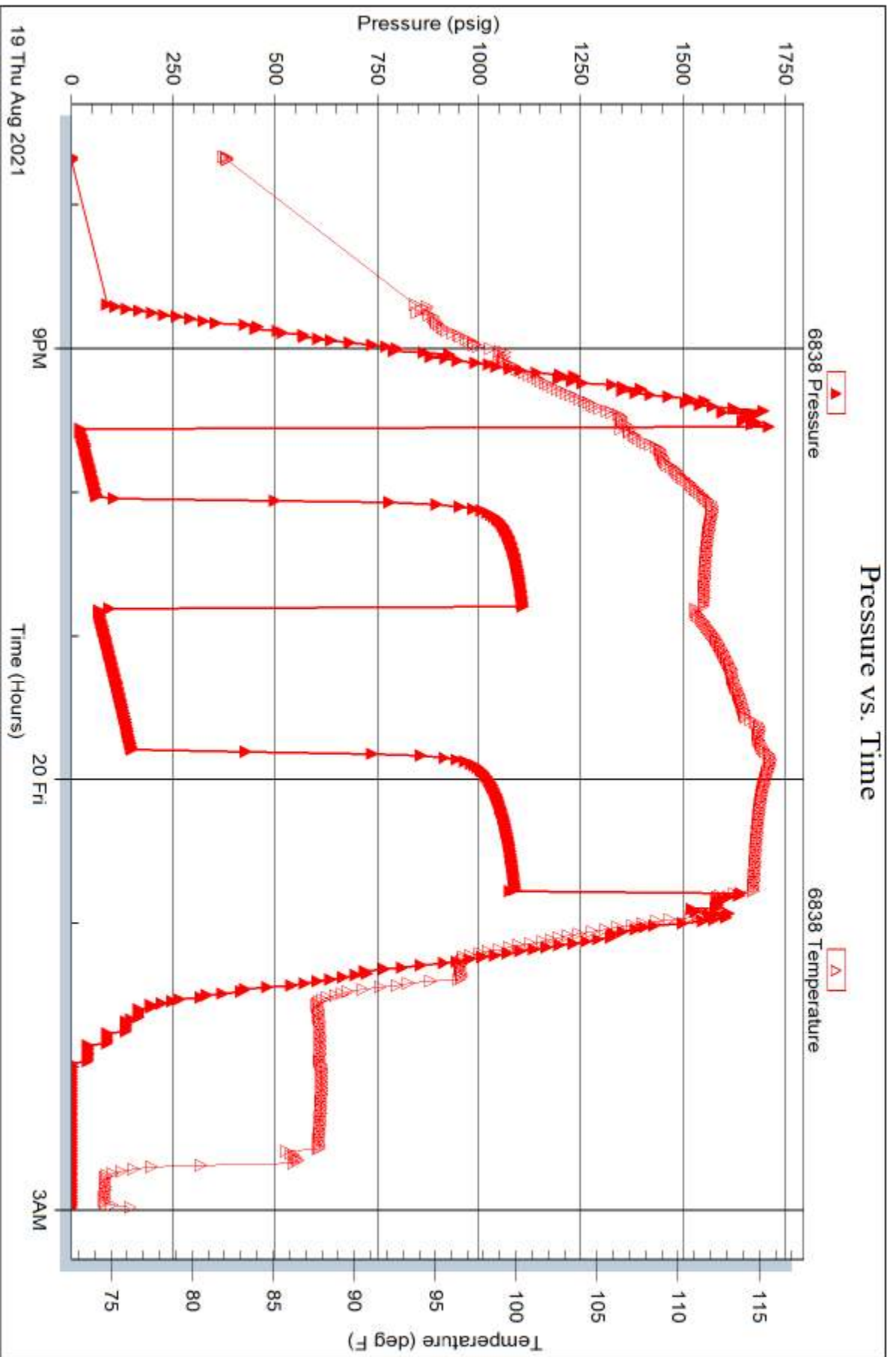
Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM









# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 66900

Well Name & No. Hipp #1 Test No. 1 Date 08/18/2021  
 Company Charter Energy Inc Elevation 1969 KB 1961 GL  
 Address PO BOX 252 Great Bend KS 67530-0252  
 Co. Rep / Geo. Bob O'Dell Rig Southwind #3  
 Location: Sec. 27 Twp 16S Rge. 13W Co. Barton State KS

Interval Tested 3299' - 3330' Zone Tested LHC #4  
 Anchor Length 31' Drill Pipe Run 3292' Mud Wt. 9.0  
 Top Packer Depth 3294' Drill Collars Run - Vls 53  
 Bottom Packer Depth 3299' Wt. Pipe Run - WL 5.8  
 Total Depth 3330' Chlorides 4700 ppm System LCM 1#

Blow Description 77- Slid 7'; Blad off 3" blow; Surface to 8 3/4"  
78- Surface to 34'  
77- BOB 12 mins; Built to 22"  
78- Surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
60'	GMO	50	30	20	
40'	GHOEM	10	20	70	
	600' GTP	100			

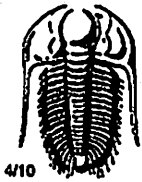
Rec Total 100' BHT 111° Gravity 39° API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1646</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>22:00</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>23:24</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>01:17</u>
(D) Initial Shut-In <u>462</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>04:32</u>
(E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>07:16</u>
(F) Second Final Flow <u>52</u>	<input checked="" type="checkbox"/> Mileage <u>9227</u> 115	Comments
(G) Final Shut-In <u>489</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1621</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350 NS</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1740</u>
	Sub Total <u>1740</u>	MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative James J. Stahl Thanks

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.

785-259-0056



# TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67755

Well Name & No. Hipp #1 Test No. 2 Date 08/19/2021  
 Company Charter Energy Inc Elevation 1969 KB 1961 GL  
 Address PO Box 252 Treat Bend Ks 67530 + 0252  
 Co. Rep / Geo. Bob O'Dell Rig Southwind #3  
 Location: Sec. 27 Twp 16s Rge. Bur Co. Barton State Ks

Interval Tested 3410' - 3432' Zone Tested Arbuckle  
 Anchor Length 22' Drill Pipe Run 3390 Mud Wt. 9.0  
 Top Packer Depth 3405' Drill Collars Run - Vis 80+  
 Bottom Packer Depth 3410' Wt. Pipe Run - WL 5.4  
 Total Depth 3432 Chlorides 5100 ppm System LCM 1#

Blow Description D7-BOB 30 mins  
DSD-Weak Surface; Dried @ 5 min  
D7-BOB, 50 mins; Built to 12 3/4"  
DSD Weak Surface

Rec	Feet of	%gas	%oil	%water	%mud
<u>30'</u>	<u>OEM</u>	<u>20</u>		<u>80</u>	
<u>350'</u>	<u>GO</u>	<u>50</u>	<u>50</u>		
<u>30'</u>	<u>GIP</u>	<u>100</u>			

Rec Total 380' BHT 114° Gravity 36° API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1719  Test 1300 T-On Location 19:10  
 (B) First Initial Flow 22  Jars 250 T-Started 19:40  
 (C) First Final Flow 65  Safety Joint 75 T-Open 21:31  
 (D) Initial Shut-In 1108  Circ Sub T-Pulled 20:46 08/20/2021  
 (E) Second Initial Flow 67  Hourly Standby T-Out 02:56  
 (F) Second Final Flow 149  Mileage 9287 115 Comments loaded after test  
 (G) Final Shut-In 1089  Sampler  
 (H) Final Hydrostatic 1646  Straddle  EM Tool 350 NS  
 Shale Packer  Ruined Shale Packer  
 Extra Packer  Ruined Packer  
 Extra Recorder  Extra Copies

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

Sub Total 1740 MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative Spencer J. Frank Thoms  
 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.

785-259-0056



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 2368

Cell 785-324-1041

Date	8-15-21	Sec.	27	Twp.	16	Range	13	County	Barton	State	KS	On Location		Finish	12:15AM
								Location							
								Susank / E Sinto							

Lease	Hipp	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	Southwind				
Type Job	Surface				
Hole Size	12 1/4	T.D.	450	Charge To	Charter Energy
Csg.	8 5/8	Depth	449	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.	15'	Shoe Joint		Cement Amount Ordered	200 60/40 4-1.00 2-1.00
Meas Line		Displace	27 1/2 BCL		

EQUIPMENT					
Pumptrk	16	No.	Cement Helper	Common	120
			David	Poz. Mix	80
Bulktrk		No.	Driver	Gel.	4
			David	Calcium	9
Bulktrk	14	No.	Driver		
			Brett M.		

JOB SERVICES & REMARKS			
Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
	8 5/8 on bottom Est. Circulation.	Handling	213
	Mix 200SK9 Displace.	Mileage	

FLOAT EQUIPMENT		8 5/8 Swage	
		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Pumptrk Charge	Surface	Tax	
Mileage	21	Discount	
Total Charge			

*Frank J. Rowe*  
Signature

*Thanks*





**SWIFT**  
Services, Inc.

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

TICKET  
**33642**

PAGE 1 OF 2

SERVICE LOCATIONS  
1. **Ness City, KS**

WELL/PROJECT NO. **#1**

TICKET TYPE  
 SERVICE  
 SALES

CONTRACTOR **Southwind**

WELL TYPE **D, I**

WELL CATEGORY **Development**

JOB PURPOSE **Long String**

LEASE **Hipp**

COUNTY/PARISH **Barton**

RIG NAME/NO.

STATE **KS**

CITY **Susank**

SHIPPED VIA **CT**

DELIVERED TO **Location**

WELL PERMIT NO.

WELL LOCATION **Susank, 1 1/2-E**

INVOICE INSTRUCTIONS **S-intro**

DATE **8-20-2021**

OWNER

ORDER NO.

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT		
		LOC	ACCT	DF		U/M	QTY.	U/M			U/M	
575		1			MILEAGE <b>Trk #115</b>				60	M	1520	360
578		1			<b>Pump Charge - Long String</b>				1	job	1520	1520
403		1			<b>CMT Basket</b>				1	EA	275	275
406		1			<b>Latch down Plug + Baffle</b>				1	EA	250	250
407		1			<b>Insert Floor Shoe w/ Anchor Fill</b>				1	EA	325	325
409		1			<b>Turbolizers</b>				6	EA	90	540

**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 **8-20-2021** TIME SIGNED **8:30**

A.M.  P.M.

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

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  
 YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL **1**

TOTAL **3260**

TAX **48.19**

TOTAL **3241**

TOTAL **997.69**

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

SWIFT OPERATOR **Sudeen Fuchs** APPROVAL

Thank You!







CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
CHARTER ENERGY		#1		Hipp		Long String 5 1/2"		33642	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									ON LOCATION 5 1/2" 14lb/ft RTD: 3,432' LTD: 3,434' TP: 34 SJ: 21.75' TURBO'S: 3,5,7,10,12,14 Basket: #2
	1630 <del>1815</del> 1815								START 5 1/2" 14lb/ft Csg in Well Drop Ball - Circulate
	1830	4 1/2	12		✓	200			Pump 500 gal Mud Flush
		4 1/2	20		✓	200			Pump 20 bbl KCL SPACER
	1840	1	7-5						Plug RH, MH [30,20]
	1855		30		✓	200			Mix 125 sks of EA-2 @ 15.36ppg
	1910								Wash Pump + Lines Drop Latch down Plug
	1915	6	0		✓	200			START Displacement
		6	61		✓	250			- lift Pressure
		6	82		✓	800			- MAX lift Pressure
	1930	5 1/2	83.14		✓	1600			Land Latch down Plug - Release PSI *Hob/★
									Wash up Trk #115
									Job Complete
									175 sks of EA-2 used [30-RH,20-MH] ★ Plug down 7:30 PM CST
									Thanks!
									Gideon Kueby, Dusty