

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)</i> <i>(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 785-483-1071

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

No. **3370**

Cell 785-324-1041

Date	12-10-22	Sec.	3	Twp.	22	Range	13	County	Stafford	State	Ks	On Location		Finish	3:45 PM
------	----------	------	---	------	----	-------	----	--------	----------	-------	----	-------------	--	--------	---------

Leona Fischer
 Lease Location 281 + K19 - 1E, 3/4 N, W/S

Contractor	Southwind #1	Well No.	1	Owner	To Quality Oilwell Cementing, Inc.
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Type Job	Surface	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size	12 1/4"	T.D.	438'	Charge To	Charter Energy
Csg.	8 5/8"	Depth	438'	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.	20'	Shoe Joint	20'	Cement Amount Ordered	460 60/40 4%CC 2%Gel
---------------------	-----	------------	-----	-----------------------	----------------------

Meas Line Displace 26 1/2 BBLs V# Flo-seal per sack

EQUIPMENT			Common
Pumptrk	16	No. Cementer	275
		Helper	
Bulktrk	19	No. Driver	185
		Driver	
Bulktrk	p.u.	No. Driver	
		Driver	

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate	Salt	
Rat Hole		Flowseal	
Mouse Hole		Kol-Seal	
Centralizers		Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	
		Handling	488
		Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	77

Signature	Frank J. Rowe	Tax	
		Discount	
		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. **3401**

Date	12/17/22	Sec.	3	Twp.	22	Range	13	County	Stafford	State	KS	On Location		Finish	11:15 PM
Location Highway 19 1 East 1/2 North West into															

Lease	leona fischer	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	PTA				
Hole Size	7 7/8	T.D.	3735	Charge To	Charter Energy
Csg.		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 60/40 4% 1/4 Flt

Meas Line		Displace		EQUIPMENT	
				Common	132
Pumptrk	17	No.		Cementer	Jordy
				Helper	
Bulktrk	1	No.		Driver	Ross
				Driver	
Bulktrk	P	No.		Driver	Nick
				Driver	
				Calcium	

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal 50#
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling 228
50 sx @ 3714		Mileage

50 sx @ 780		FLOAT EQUIPMENT
50 sx @ 480		Guide Shoe
20 sx @ 60		Centralizer
		Baskets
30 sx Rat hole		AFU Inserts
20 sx mouse hole		Float Shoe
		Latch Down

	Pumptrk Charge	plug
	Mileage	17
Signature	Frank J Rowe	Thanks
	Tax	
	Discount	
	Total Charge	



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Leona Fischer #1

3-22S-13W/ Stafford,KS

Start Date: 2022.12.15 @ 05:32:00

End Date: 2022.12.15 @ 11:24:15

Job Ticket #: 69390 DST #: 1

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

Printed: 2022.12.19 @ 17:18:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

3-22S-13W/ Stafford,KS

Leona Fischer #1

Job Ticket: 69390 **DST#: 1**

Test Start: 2022.12.15 @ 05:32:00

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:35:00
 Time Test Ended: 11:24:15
 Interval: **3470.00 ft (KB) To 3550.00 ft (KB) (TVD)**
 Total Depth: 3550.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Richie Samora
 Unit No: 66
 Reference Elevations: 1893.00 ft (KB)
 1883.00 ft (CF)
 KB to GR/CF: 10.00 ft

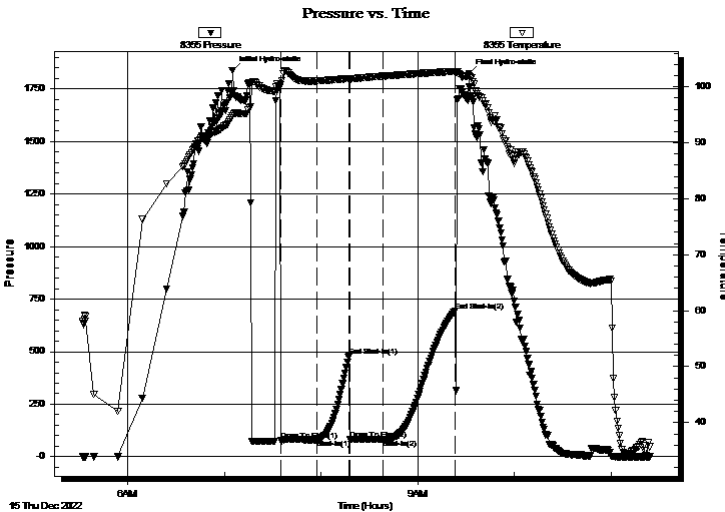
Serial #: 8355

Outside

Press@RunDepth: 81.18 psig @ 3541.02 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.12.15 End Date: 2022.12.15 Last Calib.: 1899.12.30
 Start Time: 05:32:05 End Time: 11:24:14 Time On Btm: 2022.12.15 @ 07:05:00
 Time Off Btm: 2022.12.15 @ 09:31:45

TEST COMMENT: 20-IF: Fair blow built to .5" then fell off
 20-ISI: No blow back
 20-FF: No blow
 40-FSI: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1838.46	94.85	Initial Hydro-static
30	77.18	100.35	Open To Flow (1)
53	80.83	101.06	Shut-In(1)
73	480.61	101.49	End Shut-In(1)
73	82.14	101.24	Open To Flow (2)
94	81.18	101.91	Shut-In(2)
138	693.36	102.76	End Shut-In(2)
147	1822.52	102.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%M	0.70

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

3-22S-13W/ Stafford,KS
Leona Fischer #1
Job Ticket: 69390 **DST#: 1**
Test Start: 2022.12.15 @ 05:32:00

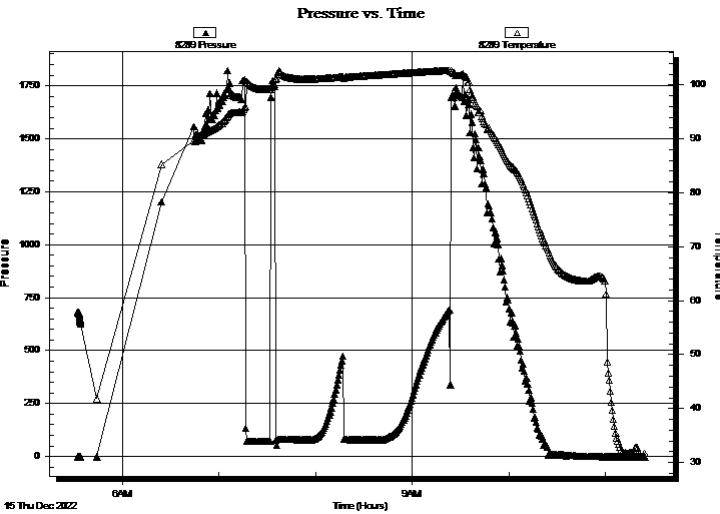
GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 07:35:00 Tester: Richie Samora
Time Test Ended: 11:24:15 Unit No: 66
Interval: 3470.00 ft (KB) To 3550.00 ft (KB) (TVD) Reference Elevations: 1893.00 ft (KB)
Total Depth: 3550.00 ft (KB) (TVD) 1883.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8289

Press@RunDepth: psig @ ft (KB) Capacity: 8000.00 psig
Start Date: 2022.12.15 End Date: 2022.12.15 Last Calib.: 1899.12.30
Start Time: 05:32:01 End Time: 11:24:30 Time On Btm:
Time Off Btm:

TEST COMMENT: 20-IF: Fair blow built to .5" then fell off
20-ISI: No blow back
20-FF: No blow
40-FSI: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%M	0.70

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69390

DST#: 1

ATTN: Jim Musgrove

Test Start: 2022.12.15 @ 05:32:00

Tool Information

Drill Pipe:	Length: 3451.00 ft	Diameter: 3.80 inches	Volume: 48.41 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume: 48.41 bbl</u>	Tool Chased	20.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3470.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.02 ft				
Tool Length:	106.02 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	4.00			3448.00	
Hydraulic tool	4.00			3452.00	
Sampler	4.00			3456.00	
EM	5.00			3461.00	
Safety Joint	2.00			3463.00	
Packer	4.00			3467.00	26.00 Bottom Of Top Packer
Packer	3.00			3470.00	
Stubb	1.00			3471.00	
Change Over Sub	1.00			3472.00	
Drill Pipe	63.00			3535.00	
Change Over Sub	1.00			3536.00	
Recorder Carrier	5.00			3541.00	
Recorder	0.01	6839	Inside	3541.01	
Recorder	0.01	8355	Outside	3541.02	
Perforations	6.00			3547.02	
Bullnose	3.00			3550.02	80.02 Bottom Packers & Anchor
Total Tool Length:	106.02				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69390

DST#: 1

ATTN: Jim Musgrove

Test Start: 2022.12.15 @ 05:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.80 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100%M	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

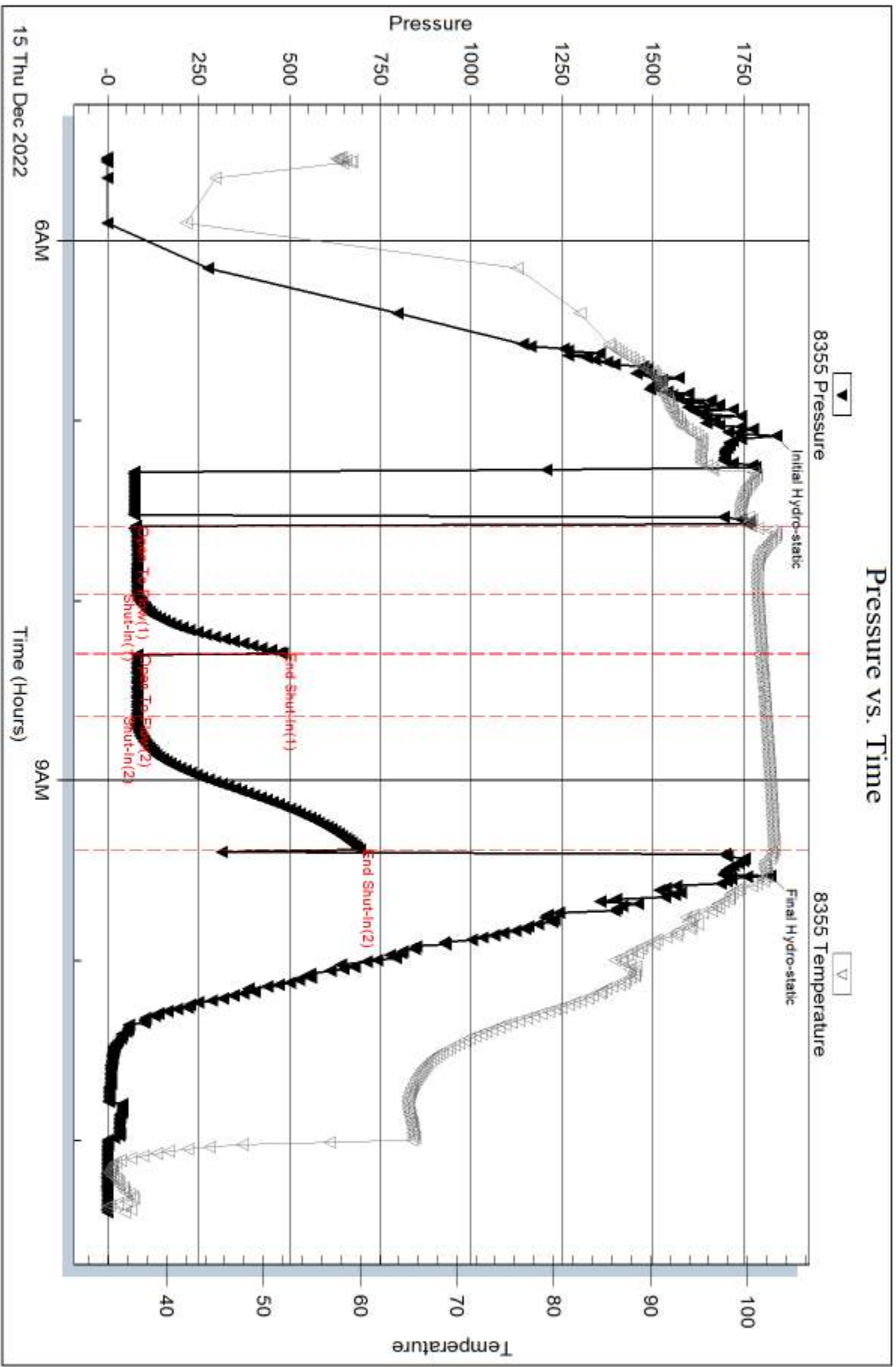
Num Gas Bombs: 0

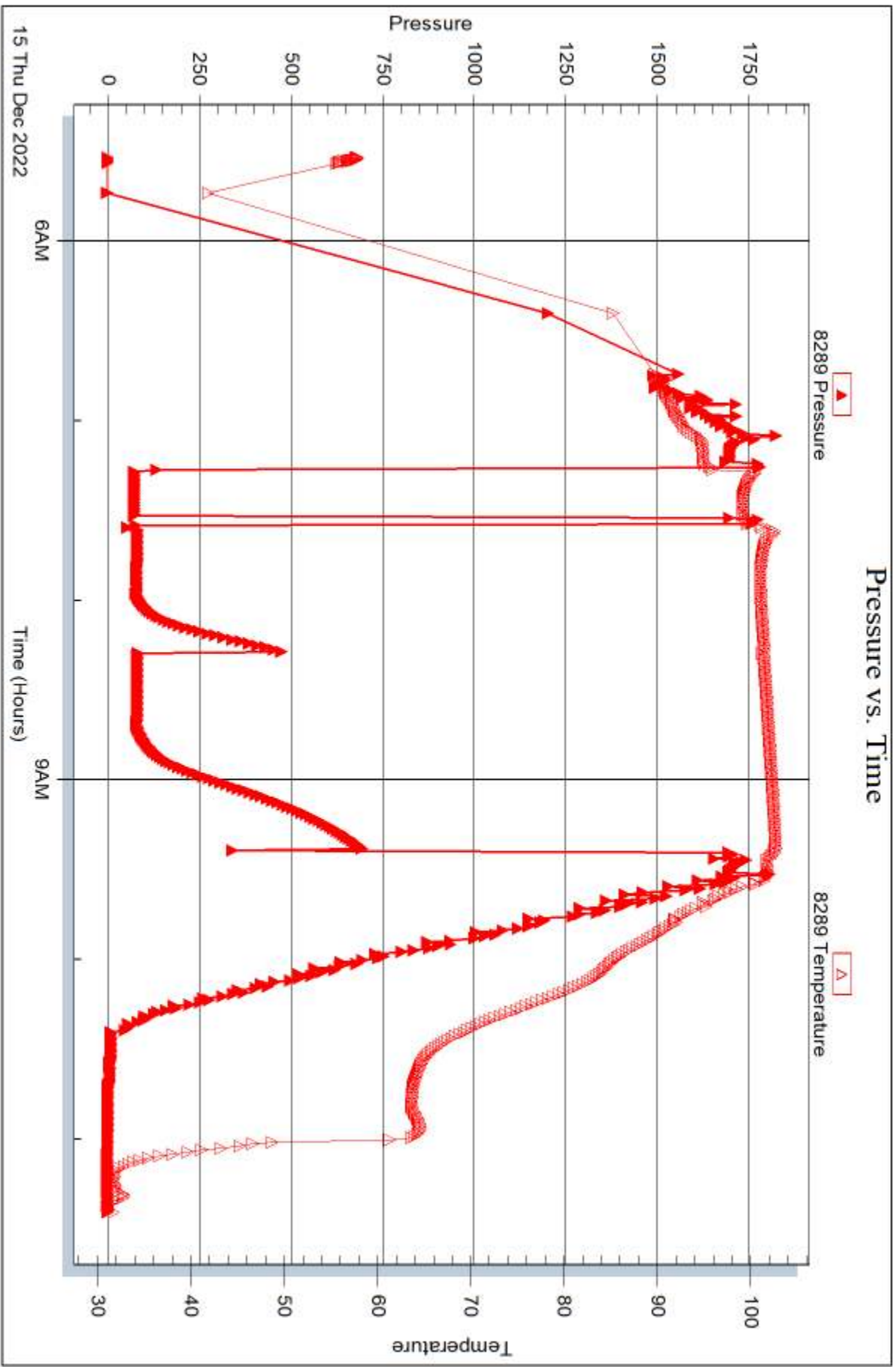
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Leona Fischer #1

3-22S-13W/ Stafford,KS

Start Date: 2022.12.16 @ 04:24:00

End Date: 2022.12.16 @ 10:42:38

Job Ticket #: 69391 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.12.19 @ 17:14:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

3-22S-13W/ Stafford,KS

Leona Fischer #1

Job Ticket: 69391 **DST#: 2**

Test Start: 2022.12.16 @ 04:24:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:49:38

Time Test Ended: 10:42:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 3714.00 ft (KB) To 3723.00 ft (KB) (TVD)

Reference Elevations: 1893.00 ft (KB)

Total Depth: 3723.00 ft (KB) (TVD)

1883.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355 Outside

Press@RunDepth: 78.06 psig @ 3720.02 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.12.16 End Date: 2022.12.16

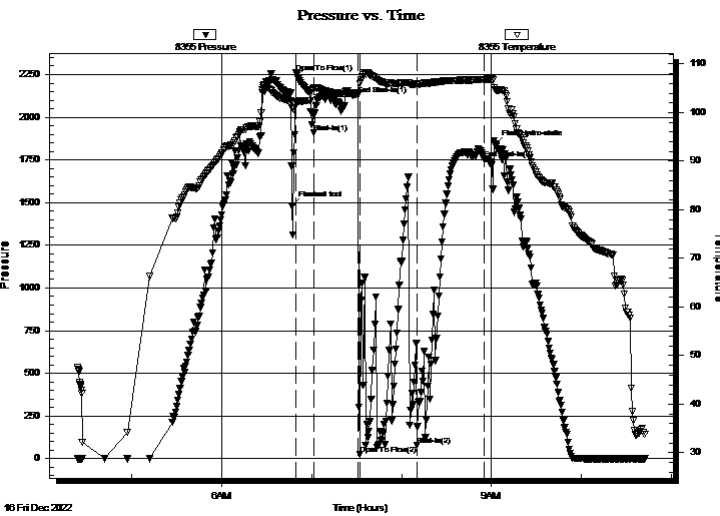
Last Calib.: 1899.12.30

Start Time: 04:24:05 End Time: 10:42:37

Time On Btm:

Time Off Btm: 2022.12.16 @ 09:02:38

TEST COMMENT: 30-IF: Fair blow built to 1.05"
30-ISI: No blow back
30-FF: Weak surface blow
45-FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1481.67	101.03	Flushed tool
3	2262.59	102.25	Open To Flow (1)
15	1910.68	105.04	Shut-In(1)
44	2132.64	104.03	End Shut-In(1)
46	24.12	106.02	Open To Flow (2)
84	78.06	105.71	Shut-In(2)
128	1755.65	106.83	End Shut-In(2)
136	1841.03	104.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud 100%M	0.35

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69391

DST#: 2

ATTN: Jim Musgrove

Test Start: 2022.12.16 @ 04:24:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:49:38

Time Test Ended: 10:42:38

Interval: 3714.00 ft (KB) To 3723.00 ft (KB) (TVD)

Total Depth: 3723.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Reference Elevations: 1893.00 ft (KB)

1883.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8289

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.12.16

End Date: 2022.12.16

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

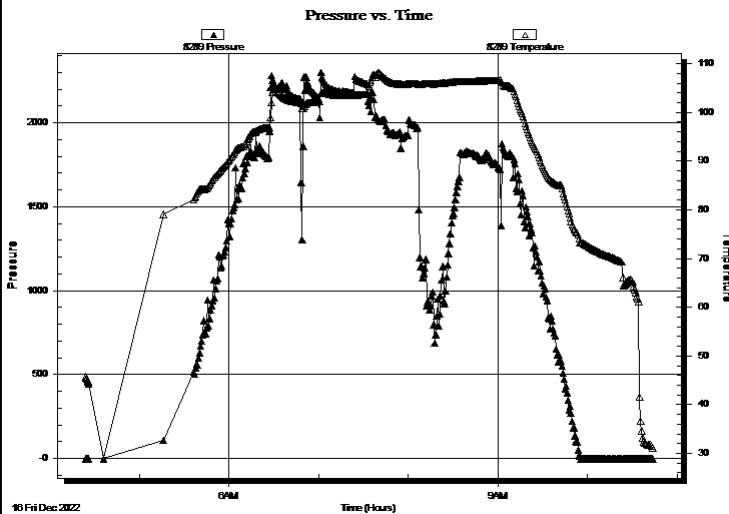
Start Time: 04:24:01

End Time: 10:44:10

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF: Fair blow built to 1.05"
30-ISI: No blow back
30-FF: Weak surface blow
45- FS!: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud 100%M	0.35

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69391

DST#: 2

ATTN: Jim Musgrove

Test Start: 2022.12.16 @ 04:24:00

Tool Information

Drill Pipe:	Length: 3695.00 ft	Diameter: 3.80 inches	Volume: 51.83 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 51.83 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3714.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.02 ft			
Tool Length:	35.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	4.00			3692.00	
Hydraulic tool	4.00			3696.00	
Sampler	4.00			3700.00	
EM	5.00			3705.00	
Safety Joint	2.00			3707.00	
Packer	4.00			3711.00	26.00 Bottom Of Top Packer
Packer	3.00			3714.00	
Stubb	1.00			3715.00	
Recorder Carrier	5.00			3720.00	
Recorder	0.01	6839	Inside	3720.01	
Recorder	0.01	8355	Outside	3720.02	
Bullnose	3.00			3723.02	9.02 Bottom Packers & Anchor

Total Tool Length: 35.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69391

DST#: 2

ATTN: Jim Musgrove

Test Start: 2022.12.16 @ 04:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.80 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Mud 100%M	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

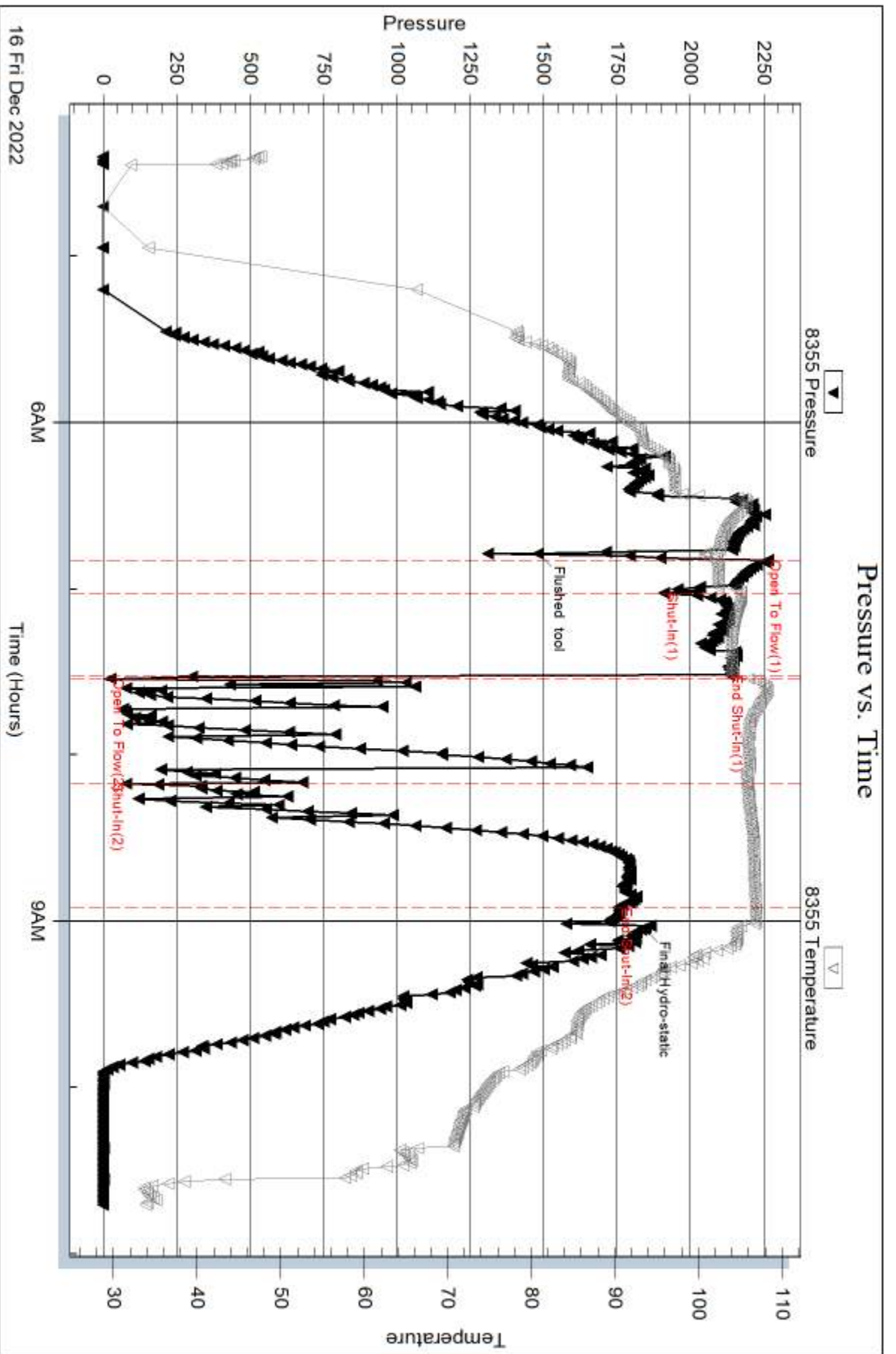
Num Gas Bombs: 0

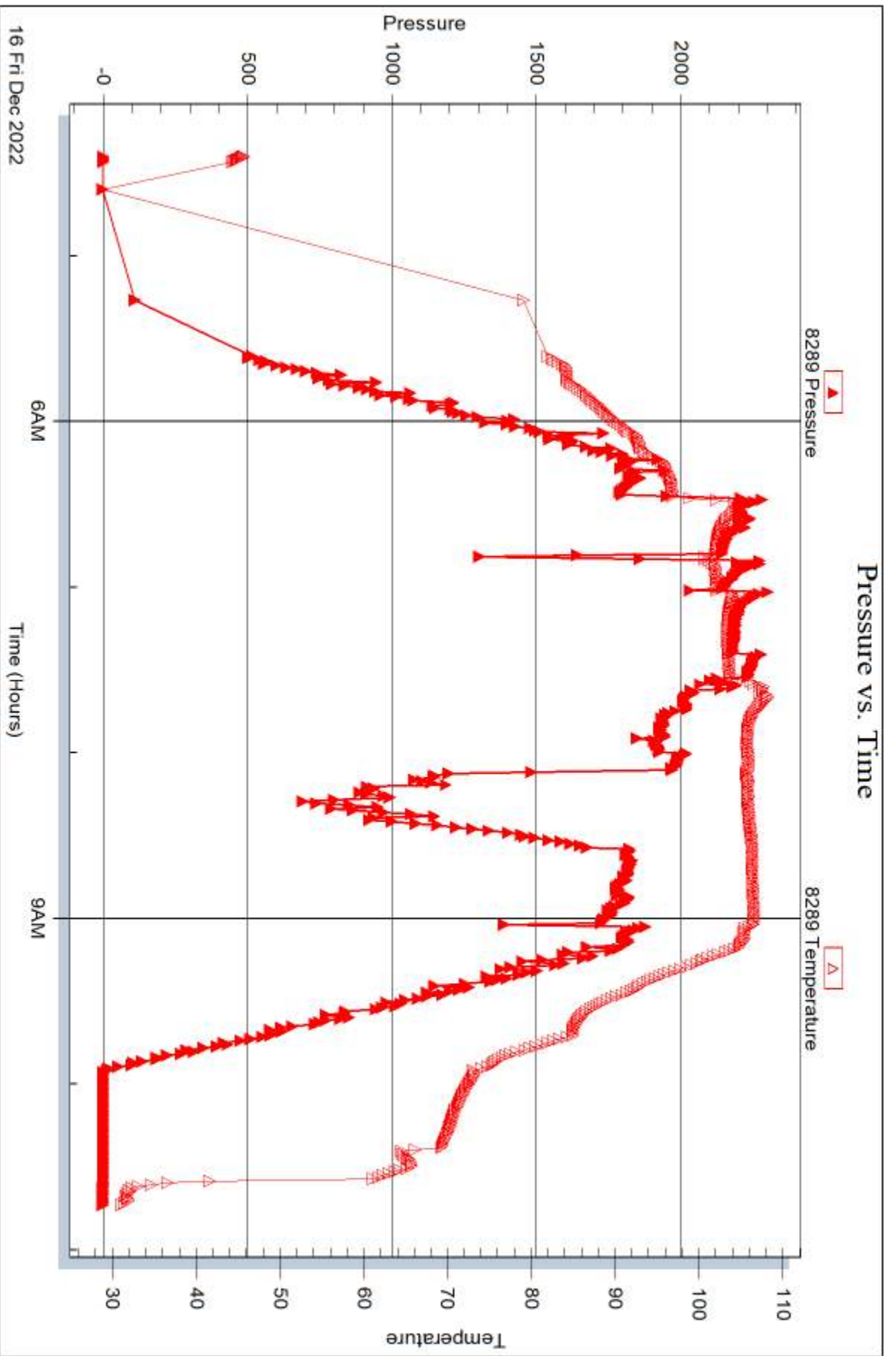
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Leona Fischer #1

3-22S-13W/ Stafford,KS

Start Date: 2022.12.16 @ 19:09:00

End Date: 2022.12.17 @ 03:23:45

Job Ticket #: 69392 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.12.19 @ 17:12:25

Charter Energy Inc
3-22S-13W/ Stafford,KS
Leona Fischer #1
DST # 3
Arbuckle
2022.12.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530
 ATTN: Jim Musgrove

3-22S-13W/ Stafford,KS

Leona Fischer #1

Job Ticket: 69392 **DST#: 3**
 Test Start: 2022.12.16 @ 19:09:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:58:15
 Time Test Ended: 03:23:45
 Interval: **3650.00 ft (KB) To 3723.00 ft (KB) (TVD)**
 Total Depth: 3723.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Richie Samora
 Unit No: 66
 Reference Elevations: 1893.00 ft (KB)
 1883.00 ft (CF)
 KB to GR/CF: 10.00 ft

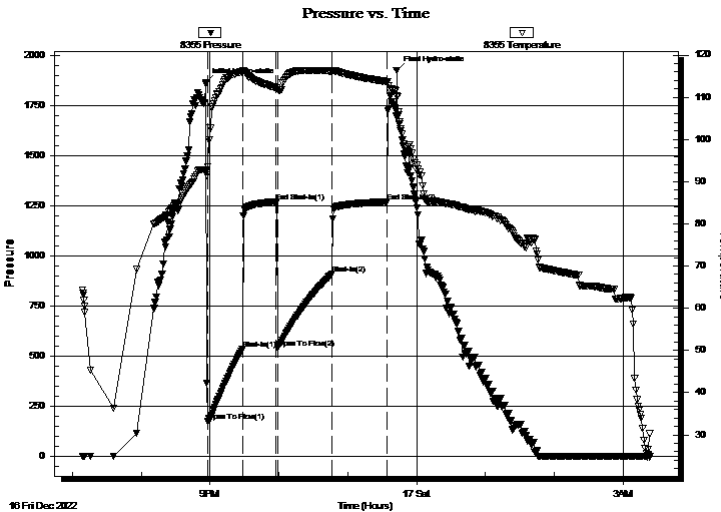
Serial #: 8355

Outside

Press@RunDepth: 908.45 psig @ 3696.02 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.12.16 End Date: 2022.12.17 Last Calib.: 1899.12.30
 Start Time: 19:09:05 End Time: 03:23:44 Time On Btm: 2022.12.16 @ 20:56:30
 Time Off Btm: 2022.12.16 @ 23:42:45

TEST COMMENT: 30-IF: Strong blow BOB in 4 minutes, built to 96"
 30-ISI: No blow back
 45-FF: Strong blow BOB in 3 minutes, built to 106"
 45-FSI: Half inch blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1862.76	92.49	Initial Hydro-static
2	173.42	93.60	Open To Flow (1)
32	534.47	115.93	Shut-In(1)
61	1269.98	112.21	End Shut-In(1)
63	541.24	111.84	Open To Flow (2)
110	908.45	116.21	Shut-In(2)
158	1269.25	113.65	End Shut-In(2)
167	1924.48	110.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	WMG 25%G 35%W 40%M	2.65
756.00	MW 90%W 10%M	10.60
441.00	MWG 10%G 80%W 10%M	6.19
315.00	OSMW 1%O 75%W 24%M	4.42
2.00	CO 100%O	0.03

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69392

DST#: 3

ATTN: Jim Musgrove

Test Start: 2022.12.16 @ 19:09:00

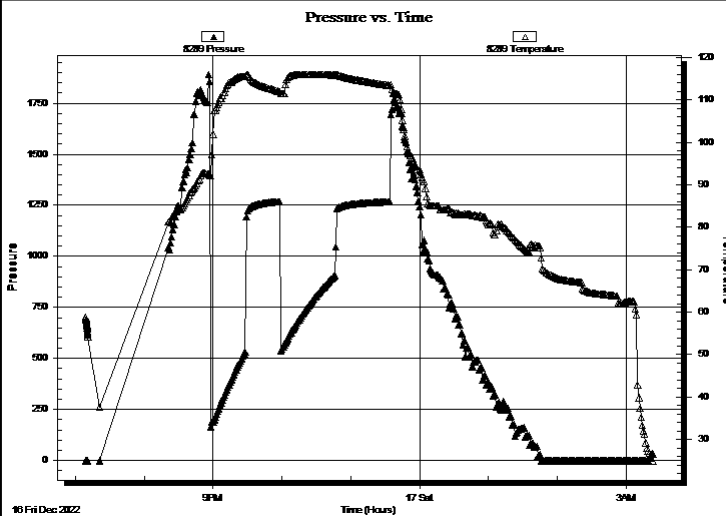
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 20:58:15
 Tester: Richie Samora
 Time Test Ended: 03:23:45
 Unit No: 66
Interval: 3650.00 ft (KB) To 3723.00 ft (KB) (TVD)
 Reference Elevations: 1893.00 ft (KB)
 Total Depth: 3723.00 ft (KB) (TVD)
 1883.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 10.00 ft

Serial #: 8289

Press@RunDepth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.12.16 End Date: 2022.12.17 Last Calib.: 1899.12.30
 Start Time: 19:09:01 End Time: 03:23:40 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF: Strong blow BOB in 4 minutes, built to 96"
 30-ISI: No blow back
 45-FF: Strong blow BOB in 3 minutes, built to 106"
 45-FSI: Half inch blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
189.00	WMG 25%G 35%W 40%M	2.65
756.00	MW 90%W 10%M	10.60
441.00	MVG 10%G 80%W 10%M	6.19
315.00	OSMW 1%O 75%W 24%M	4.42
2.00	CO 100%O	0.03

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69392

DST#: 3

ATTN: Jim Musgrove

Test Start: 2022.12.16 @ 19:09:00

Tool Information

Drill Pipe:	Length: 3640.00 ft	Diameter: 3.80 inches	Volume: 51.06 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3650.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.02 ft			
Tool Length:	99.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	4.00			3628.00	
Hydraulic tool	4.00			3632.00	
Sampler	4.00			3636.00	
EM	5.00			3641.00	
Safety Joint	2.00			3643.00	
Packer	4.00			3647.00	26.00 Bottom Of Top Packer
Packer	3.00			3650.00	
Stubb	1.00			3651.00	
Perforations	7.00			3658.00	
Change Over Sub	1.00			3659.00	
Drill Pipe	31.00			3690.00	
Change Over Sub	1.00			3691.00	
Recorder Carrier	5.00			3696.00	
Recorder	0.01	6839	Inside	3696.01	
Recorder	0.01	8355	Outside	3696.02	
Perforations	24.00			3720.02	
Bullnose	3.00			3723.02	73.02 Bottom Packers & Anchor
Total Tool Length:	99.02				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69392

DST#: 3

ATTN: Jim Musgrove

Test Start: 2022.12.16 @ 19:09:00

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: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10700.00 ppm

Filter Cake: 0.80 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
189.00	WMG 25%G 35%W 40%M	2.651
756.00	MW 90%W 10%M	10.605
441.00	MWG 10%G 80%W 10%M	6.186
315.00	OSMW 1%O 75%W 24%M	4.419
2.00	CO 100%O	0.028

Total Length: 1703.00 ft

Total Volume: 23.889 bbl

Num Fluid Samples: 0

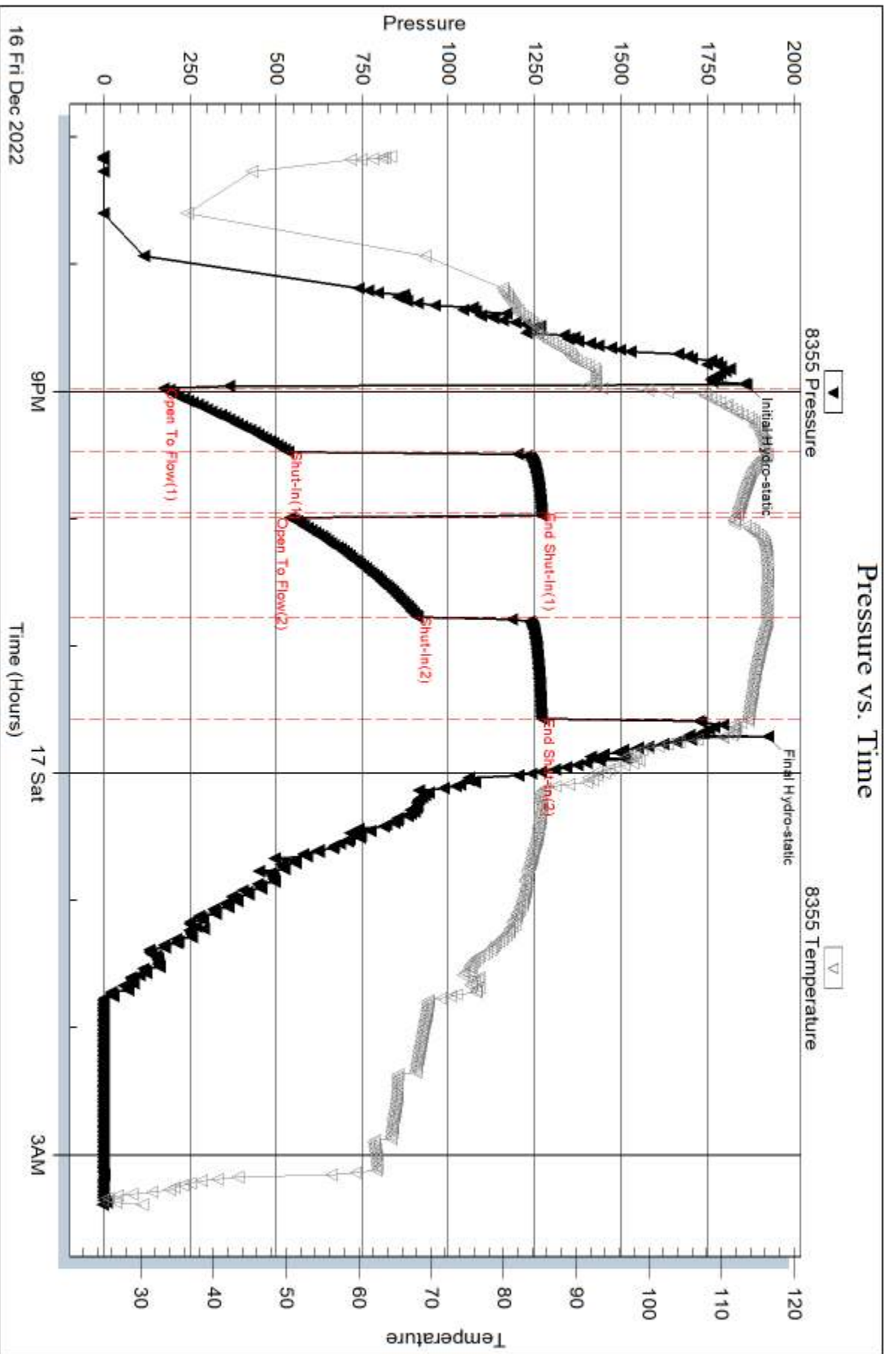
Num Gas Bombs: 0

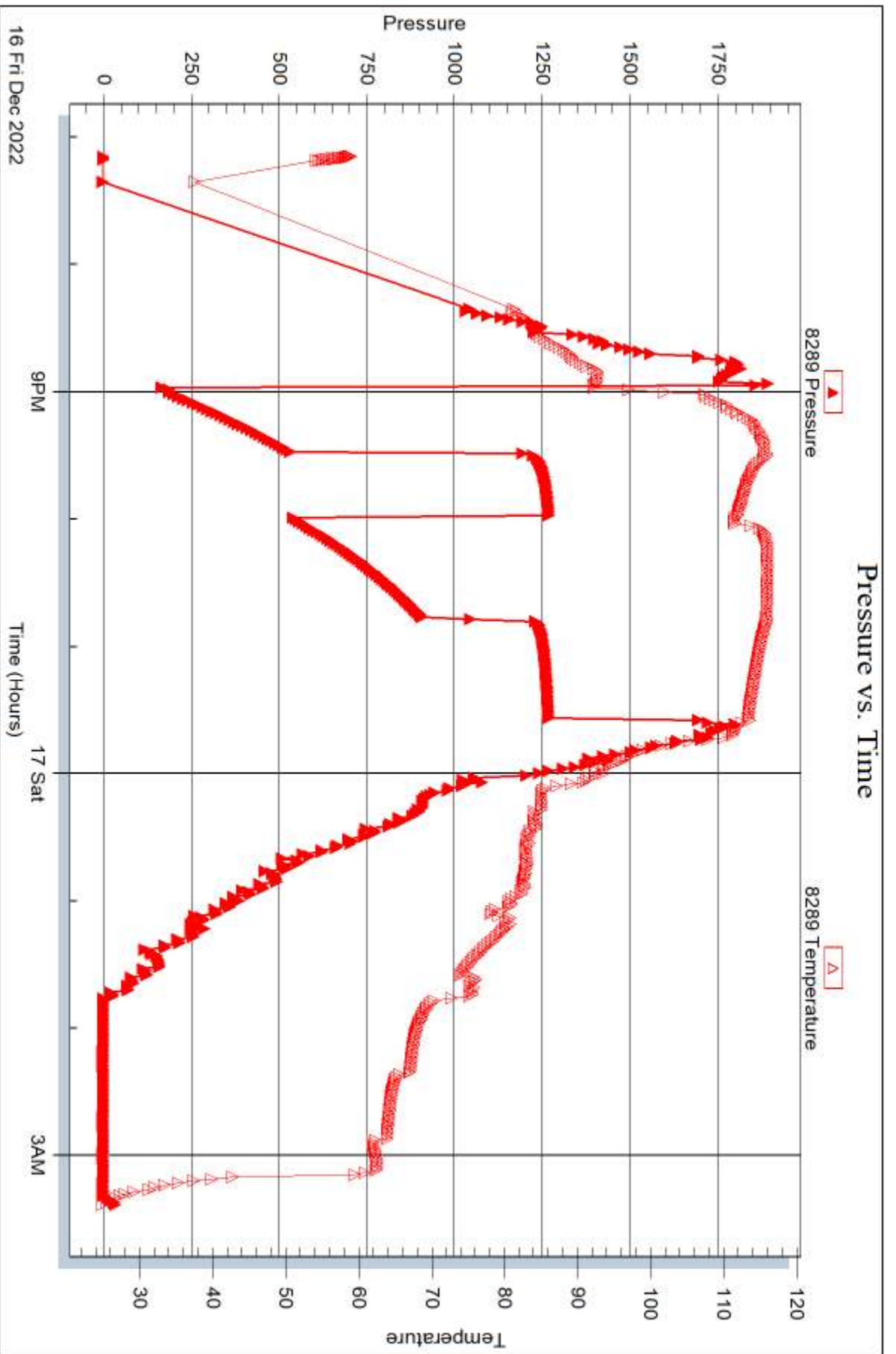
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530

ATTN: Jim Musgrove

Leona Fischer #1

3-22S-13W/ Stafford,KS

Start Date: 2022.12.17 @ 11:22:00

End Date: 2022.12.17 @ 16:18:15

Job Ticket #: 69393 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.12.19 @ 17:07:49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

3-22S-13W/ Stafford,KS

Leona Fischer #1

Job Ticket: 69393 **DST#: 4**

Test Start: 2022.12.17 @ 11:22:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:48:45
 Time Test Ended: 16:18:15
 Interval: **3725.00 ft (KB) To 3735.00 ft (KB) (TVD)**
 Total Depth: 3550.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Richie Samora
 Unit No: 66
 Reference Elevations: 1893.00 ft (KB)
 1883.00 ft (CF)
 KB to GR/CF: 10.00 ft

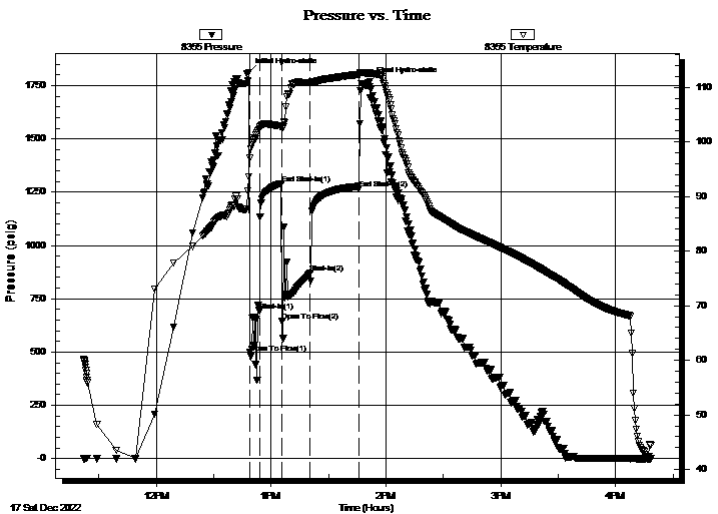
Serial #: 8355

Inside

Press@RunDepth: 872.29 psig @ 3726.01 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.12.17 End Date: 2022.12.17 Last Calib.: 1899.12.30
 Start Time: 11:22:05 End Time: 16:18:14 Time On Btm: 2022.12.17 @ 12:48:15
 Time Off Btm: 2022.12.17 @ 13:51:30

TEST COMMENT: 5-IF: Strong blow built to 42"
 10-ISI: Weak surface blow back built to .5"
 15-FF: Strong blow built to 134"
 20-FSI: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1811.81	93.59	Initial Hydro-static
1	497.02	97.00	Open To Flow (1)
6	692.91	102.40	Shut-In(1)
18	1289.89	102.86	End Shut-In(1)
18	646.13	102.63	Open To Flow (2)
33	872.29	110.91	Shut-In(2)
58	1266.11	112.34	End Shut-In(2)
64	1768.02	112.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	WM 95%W 5%M	4.42
504.00	SOCWM 10%O 70%W 20%M	7.07
756.00	MW 60%W 40%M	10.60

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Jim Musgrove

3-22S-13W/ Stafford,KS

Leona Fischer #1

Job Ticket: 69393 **DST#: 4**

Test Start: 2022.12.17 @ 11:22:00

GENERAL INFORMATION:

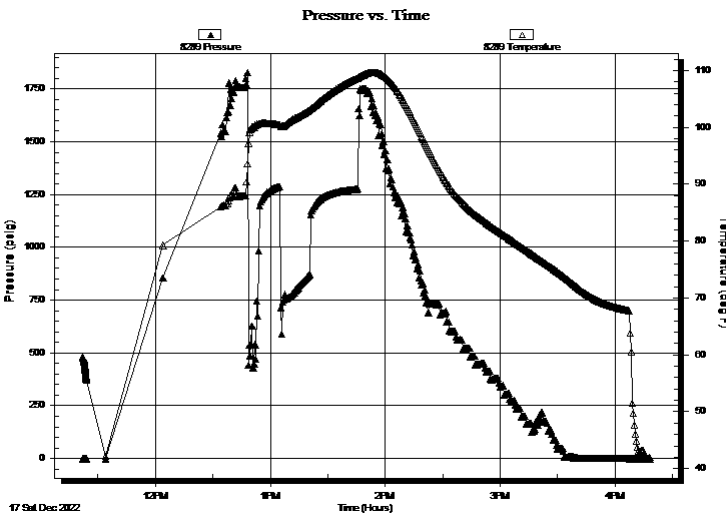
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:48:45
 Time Test Ended: 16:18:15
 Interval: **3725.00 ft (KB) To 3735.00 ft (KB) (TVD)**
 Total Depth: 3550.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Richie Samora
 Unit No: 66
 Reference Elevations: 1893.00 ft (KB)
 1883.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8289 Outside

Press@RunDepth: psig @ 3726.02 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.12.17 End Date: 2022.12.17 Last Calib.: 1899.12.30
 Start Time: 11:22:01 End Time: 16:18:10 Time On Btm:
 Time Off Btm:

TEST COMMENT: 5-IF: Strong blow built to 42"
 10-ISI: Weak surface blow back built to .5"
 15-FF: Strong blow built to 134"
 20-FSI: No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
315.00	WM 95%W 5%M	4.42
504.00	SOCWM 10%O 70%W 20%M	7.07
756.00	MW 60%W 40%M	10.60

* 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

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69393

DST#: 4

ATTN: Jim Musgrove

Test Start: 2022.12.17 @ 11:22:00

Tool Information

Drill Pipe:	Length: 3704.00 ft	Diameter: 3.80 inches	Volume: 51.96 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 51.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3725.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.02 ft			
Tool Length:	36.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	4.00			3703.00	
Hydraulic tool	4.00			3707.00	
Sampler	4.00			3711.00	
EM	5.00			3716.00	
Safety Joint	2.00			3718.00	
Packer	4.00			3722.00	26.00 Bottom Of Top Packer
Packer	3.00			3725.00	
Stubb	1.00			3726.00	
Recorder	0.01	8355	Inside	3726.01	
Recorder	0.01	8289	Outside	3726.02	
Perforations	6.00			3732.02	
Bullnose	3.00			3735.02	10.02 Bottom Packers & Anchor

Total Tool Length: 36.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc

3-22S-13W/ Stafford,KS

PO Box 252
Great Bend KS 67530

Leona Fischer #1

Job Ticket: 69393

DST#: 4

ATTN: Jim Musgrove

Test Start: 2022.12.17 @ 11:22:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9100.00 ppm

Filter Cake: 0.80 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	WM 95%W 5%M	4.419
504.00	SOCWM 10%O 70%W 20%M	7.070
756.00	MW 60%W 40%M	10.605

Total Length: 1575.00 ft Total Volume: 22.094 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

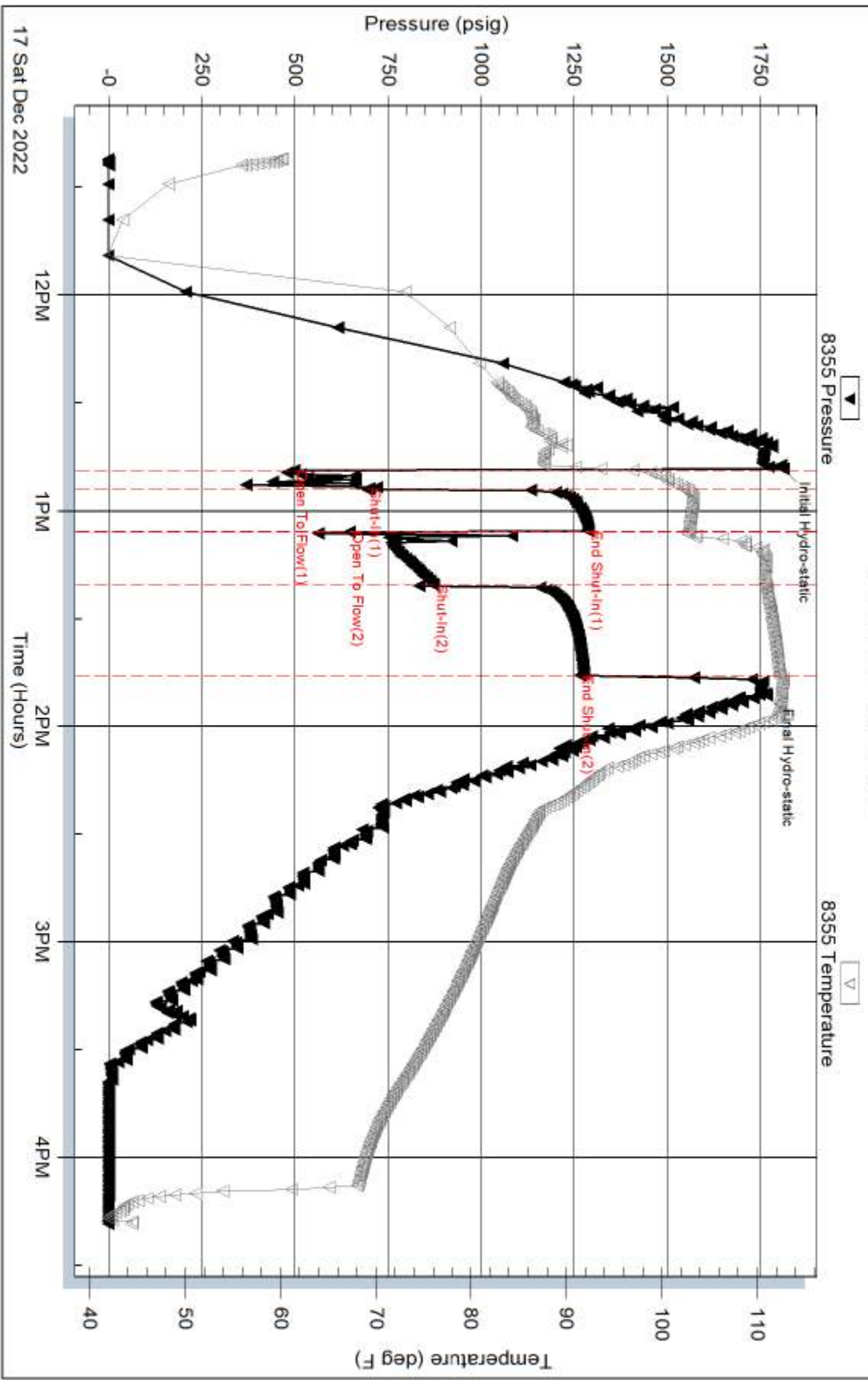
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

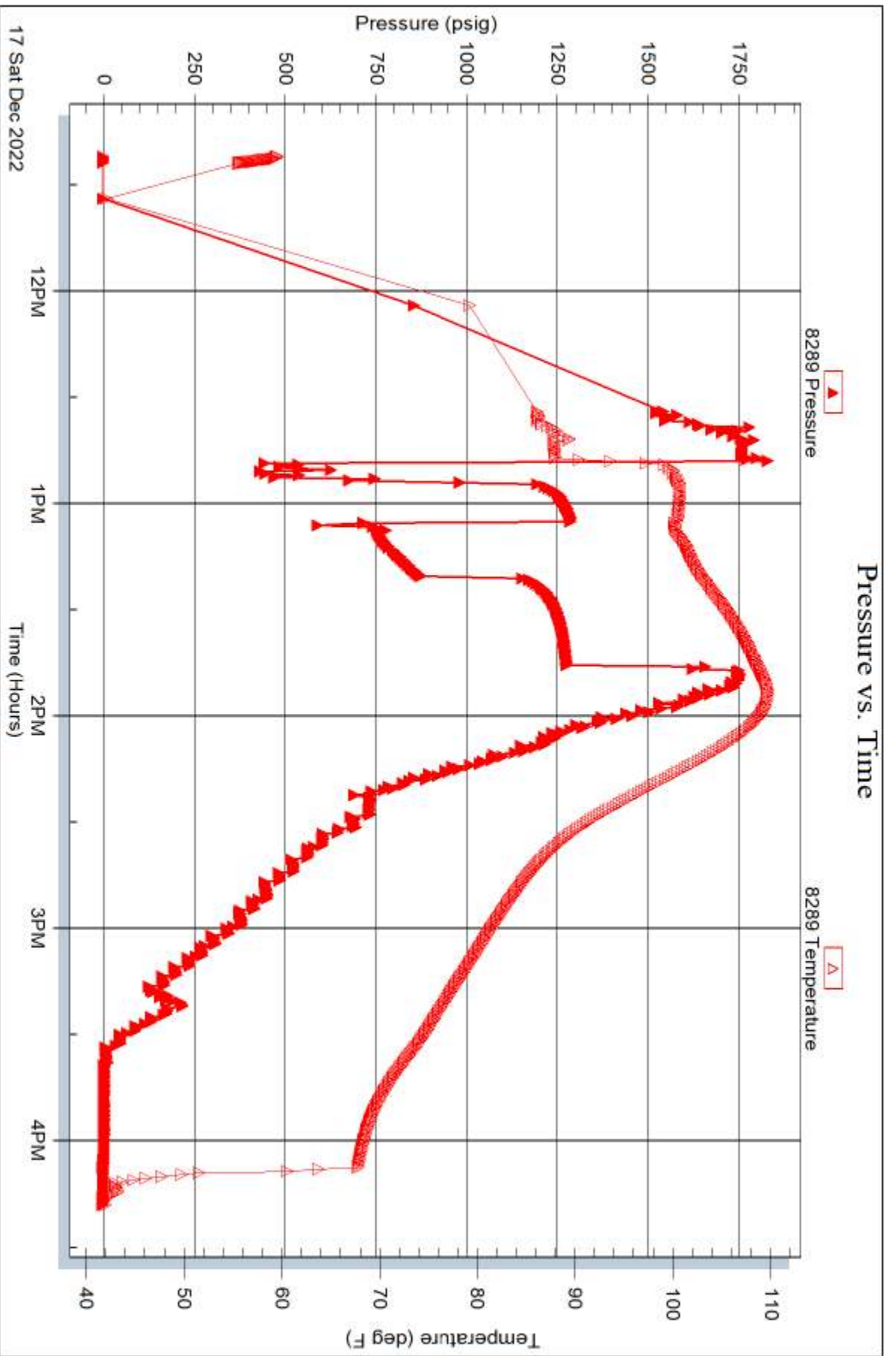


Serial #: 8289

Outside Charter Energy Inc

Leona Fischer #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 69393

Printed: 2022.12.19 @ 17:07:50



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69390

Well Name & No. Leona Fisher 1 Test No. 1 Date 12-15-22
 Company Churter Energy Inc Elevation 1893 KB 1883 GL
 Address PO BOX 252 Great Bend KS 67530
 Co. Rep / Geo. Jim Murgrove Rig Southwind 1
 Location: Sec. 3 Twp 22S Rge. 13W Co. Stoddard State KS

Interval Tested 3470-3550 Zone Tested _____
 Anchor Length 80' Drill Pipe Run 3451 Mud Wt. 8.8
 Top Packer Depth 3465 Drill Collars Run 0 Vis 32
 Bottom Packer Depth 3470 Wt. Pipe Run 0 WL 8.8
 Total Depth 3550 Chlorides 4500 ppm System LCM 2 1/2

Blow Description IF Fish Blow Sult to half inch then fell off
15PS No blow back
FF: No blow
ESI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>MUD</u>	<u>0</u>	<u>0</u>	<u>0</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	Feet of	%gas	%oil	%water	%mud

Rec Total 1823 BHT 102.7 Gravity NA API RW NA@ NA F Chlorides NA ppm
 (A) Initial Hydrostatic 1838 Test 1800 T-On Location 4:38
 (B) First Initial Flow 77 ~~Flow~~ T-Started 05:32
 (C) First Final Flow 81 Safety Joint T-Open 07:36
 (D) Initial Shut-In 481 Circ Sub T-Pulled 09:30
 (E) Second Initial Flow 82 Hourly Standby T-Out 11:15
 (F) Second Final Flow 81 Mileage (15) 30rt 52.50 Comments Tool plugged
 (G) Final Shut-In 693 Sampler Hydraulic Tool needs
 (H) Final Hydrostatic 1823 Straddle Replaced

Initial Open 20 EM Tool Good
 Initial Shut-In 20 Ruined Shale Packer
 Final Flow 20 Ruined Packer
 Final Shut-In 40 Extra Recorder
 Sub Total 0 Extra Copies
 Total 1852.50
 Sub Total 1852.50 MP/DST Disc't _____

Approved By _____ Our Representative Richie Samora

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. 69391

Well Name & No. Leona Fisher 1 Test No. 2 Date 12-16-22
 Company Charter Energy Inc. Elevation 1893 KB 1883 GL
 Address PO Box 252 Great Bend KS 67530
 Co. Rep / Geo. Jim Musgrave Rig Southwind 1
 Location: Sec. 3 Twp 22S Rge. 13W Co. Stafford State KS

Interval Tested 3714-3723 Zone Tested _____
 Anchor Length 01' Drill Pipe Run 2695 Mud Wt. 9.5
 Top Packer Depth 3709 Drill Collars Run 0 Vls 64
 Bottom Packer Depth 3714 Wt. Pipe Run 0 WL 7.8
 Total Depth 3723 Chlorides 4500 ppm System LCM 2#

Blow Description IF: Fair blow built to 1.05"
IS: No blow back
FF: Weak surface blow
FS: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
25	MUD	0	0	0	100

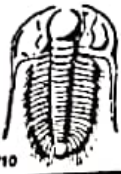
Rec Total 25 BHT 106.9 Gravity NA API RW NA @ 114 °F Chlorides NA ppm

(A) Initial Hydrostatic 1481 Test 1350 T-On Location 03:20
 (B) First Initial Flow 2263 Jars _____ T-Started 04:35
 (C) First Final Flow 1911 Safety Joint _____ T-Open 06:29
 (D) Initial Shut-In 2133 Circ Sub _____ T-Pulled 08:55
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 10:39
 (F) Second Final Flow 78 Mileage (15) 52.50 Comments Part 1 @ 424
 (G) Final Shut-In 1756 Sampler _____
 (H) Final Hydrostatic 1841 Straddle _____

EM Tool _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1402.50
 Sub Total 1402.50 MP/DST Disc't _____

Approved By _____ Our Representative Richi Somers

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. 69392

Well Name & No. Leona Fischer 1 Test No. 3 Date 12-16-22
 Company Chatter Energy Inc. Elevation 1893 KB 1883 GL
 Address PO Box 252 Great Bend KS 67530
 Co. Rep / Geo. Jim Musgrave Rig Southwind 1
 Location: Sec. 3 Twp 22c Rge. 13w Co. Stafford State KS

Interval Tested 3650-3723 Zone Tested Arbuckle
 Anchor Length 73 Drill Pipe Run 3640 Mud Wt. 9.05
 Top Packer Depth 3645 Drill Collars Run 0 Vls 70
 Bottom Packer Depth 3650 Wt. Pipe Run 0 WL 13.6
 Total Depth 3723 Chlorides 10,700 ppm System LCM 2#

Blow Description IF: Strong blow BAB in 4 minutes, built to 96"
IS: No blow back
FF: Strong blow BAB in 3 minutes, built to 106"
FSL: Half inch blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>CO</u>	<u>9</u>	<u>100</u>	<u>0</u>	<u>2</u>
<u>315</u>	<u>QSMW</u>	<u>9</u>	<u>1</u>	<u>75</u>	<u>29</u>
<u>441</u>	<u>MWG</u>	<u>10</u>	<u>0</u>	<u>80</u>	<u>80</u>
<u>756</u>	<u>MW</u>	<u>0</u>	<u>0</u>	<u>90</u>	<u>10</u>
<u>149</u>	<u>WMG</u>	<u>25</u>	<u>0</u>	<u>35</u>	<u>40</u>

ec Total 1703 BHT 113.8 Gravity NA API RW 490 @ 22° F Chlorides 44000 ppm

Initial Hydrostatic 1863
 First Initial Flow 173
 First Final Flow 534
 Initial Shut-In 1270
 Second Initial Flow 541
 Second Final Flow 908
 Final Shut-In 1269
 Final Hydrostatic 1924
 Open 30
 Shut-In 30
 Flow 45
 Shut-In 45

- Test 1800
 - Jars
 - Safety Joint
 - Circ Sub
 - Hourly Standby
 - Mileage (15 mi) 52.50
 - Sampler
 - Straddle
 - Shale Packer
 - Extra Packer
 - Extra Recorder
 - Day Standby
 - Accessibility
- Sub Total 1852.50

T-On Location 1837
 T-Started 19:50
 T-Open 20:59
 T-Pulled 23:33
 T-Out 0330
 Comments Batts @ 1909
 EM Tool -350
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total -350
 Total 1502.50
 MP/DST Disc't

Tested By _____ Our Representative Rudie Samora

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 test, 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. 69393

Well Name & No. Leona Fischer 1 Test No. 4 Date 12-12-22
 Company Chatter Energy Inc Elevation 1873 KB 1880 GL
 Address PO Box 252 Great Bend KS 67530
 Co. Rep / Geo. Jim Musgrave Rig Southwind 1
 Location: Sec. 3 Twp 22S Rge. 13W Co. St. Hard State KS

Interval Tested 3725-3735 Zone Tested _____
 Anchor Length 10 Drill Pipe Run 3704 Mud Wt. 9.05
 Top Packer Depth 3720 Drill Collars Run 0 Vls 46
 Bottom Packer Depth 3725 Wt. Pipe Run 0 WL 9.6
 Total Depth 3735 Chlorides 9600 ppm System LCM 2#

Blow Description IF: Strong blow built to 42"
1st. weak surface blow back built to .5"
FF: Strong bbw built to 134"
FSL: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>756</u>	<u>MW</u>	<u>0</u>	<u>0</u>	<u>60</u>	<u>40</u>
<u>504</u>	<u>SOCHM</u>	<u>0</u>	<u>10</u>	<u>70</u>	<u>20</u>
<u>315</u>	<u>WM</u>	<u>0</u>	<u>0</u>	<u>95</u>	<u>5</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 1575 BHT 112.7 Gravity NA API RW 888 @ 38.9 F Chlorides 30500 ppm

(A) Initial Hydrostatic 1812 Test 1800 T-On Location 11:00
 (B) First Initial Flow 497 Jars _____ T-Started 11:50
 (C) First Final Flow 693 Safety Joint _____ T-Open 12:59
 (D) Initial Shut-In 1290 Circ Sub _____ T-Pulled 13:45
 (E) Second Initial Flow 646 Hourly Standby _____ T-Out 16:15
 (F) Second Final Flow 872 Mileage 15 52.50 Comments patto 11:22
 (G) Final Shut-In 1266 Sampler _____
 (H) Final Hydrostatic 1768 Straddle _____ EM Tool -350

Initial Open 5 Ruined Shale Packer _____
 Initial Shut-In 10 Ruined Packer _____
 Final Flow 15 Extra Copies _____
 Final Shut-In 29 Extra Recorder _____ Sub Total -350
 Day Standby _____ Total 1502.50
 Accessibility _____ Sub Total 1852.50 MP/DST Disc't _____

Approved By _____ Our Representative Richard Somers

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