

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 Recompletion Date _____ 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 785-483-1071
Cell 785-324-1041

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

No. **2830**

Date	5-18-22	Sec.	24	Twp.	19	Range	12	County	Barton	State	Ks	On Location		Finish	10:00PM
Lease	Miller							Well No.	#1						
Contractor	Southwind #8							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.	365'		Depth		365'							
Csg.	8 5/8"		Depth												
Tbg. Size			Depth												
Tool			Depth		The above was done to satisfaction and supervision of owner agent or contractor										
Cement Left in Csg.	15'		Shoe Joint		15'		Cement Amount Ordere								
Meas Line			Displace	22 BUS		200 1 1/2% 4% ec 2% gel									
EQUIPMENT								Common 120							
Pumptrk	18	No.	Cementor Helper		Jordan		Poz. Mix 80								
Bulktrk	13	No.	Driver		Brett		Gel. 4								
Bulktrk	pm	No.	Driver		Rick		Calcium 9								
JOB SERVICES & REMARKS								Hulls							
Remarks:	Cement did Circulate														
Rat Hole	Salt														
Mouse Hole	Flowseal														
Centralizers	Kol-Seal														
Baskets	Mud CLR 48														
D/V or Port Collar	CFL-117 or CD110 CAF 38														
	Sand														
	Handling 213														
	Mileage														
FLOAT EQUIPMENT								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge Surface							
								Mileage 15 min							
X Signature <i>Ray Robert</i>								Tax							
								Discount							
								Total Charge							
								<i>Thanks</i>							



TICKET
34130

CHARGE TO: Chatter Energy
 ADDRESS
 CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATION #1 Hayes KS
 2. Ness City KS
 3. Oil
 4. Development

WELL/PROJECT NO. #1
 LEASE Miller
 CONTRACTOR Southwind
 WELL TYPE Oil
 RIG NAME/NO. Baeton
 COUNTY/PARISH Baeton
 STATE KS
 CITY Location
 DATE 5-24-22
 ORDER NO.

TICKET TYPE SERVICE SALES
 WELL CATEGORY Development
 JOB PURPOSE Long String
 WELL PERMIT NO.

INVOICE INSTRUCTIONS
 WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
525					TRUCK # 111	170	mi				7.40	490.00
528					Pump Charge - Long String	1	ea				1600.00	1600.00
290					D-1 Air	2	ea				42.00	84.00
281					Mud Flush	500	bar				2.00	1000.00
221					Liquid KCL	2	bar				25.00	50.00
403					Cement Gravel	1	ea			5/2	300.00	300.00
406					Latex Down Plug & SATELE	1	ea				250.00	250.00
407					Insert Flare shoe w/ARD CELL	1	ea				350.00	350.00
409					Turbolizer	6	ea				100.00	600.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

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

DATE SIGNED _____ TIME SIGNED _____

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	D-1	3824.00
TOTAL	P.2	5304.00
		10,038.50
	Baeton	590.00
TOTAL		10,528.50

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

SWIFT OPERATOR David Erickson APPROVAL _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 34130

CUSTOMER
Character Energy

WELL # 1
Miller # 1

DATE
5-24-22

PAGE 2 OF 13

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		2				STANDARD CEMENT	175	SX			15.00	2625.00
284		2				CAUSEAL	8	SX			50.00	400.00
283		2				SALT	950	LBS			25.00	23750.00
292		2				HALAD-322	100	LBS			9.00	900.00
276		2				FIOCELE	50	LBS			3.00	150.00
581		2				CEMENT	75	SX			2.00	350.00
583		2				MILEAGE CHARGE	18350				1.00	642.00

CONTINUATION TOTAL 5304

JOB LOG

SWIFT Services, Inc.

DATE 5-24-22 PAGE NO.

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
CHARTER ENERGY		#1		MILLER		LOOK STRIK		34130	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1300								On location
									CSG- 5 1/2 x 14 # RTD - 3455 CENTRALIZERS, 1, 2, 3, 5, 7, 9 BASKET - 4
	1520								START Running CSG BREAK CIRCUIT on BOM Plug RAT HOLE - 30 sx Plug Mouse Hole - 20 sx Pump MUDFLUSH Pump KCL SPALLER Mix CMT - 125 sx @ 15.5 PPA Drop plug - WASH P+L
		2	8			0			
		2	4			0			
		6	12			300			
		6	2			300			
		5	30			300			
		7	0			200			START Disp
	1900	6	82			900			LAND Plug @ 1500 Release psi - Dry
									JOB COMPLETE
									THANKS DAVID SETM & JOHN



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530

ATTN: Josh Austin

Miller #1

24-19S-12W Barton,KS

Start Date: 2022.05.22 @ 02:15:00

End Date: 2022.05.22 @ 09:29:02

Job Ticket #: 65435 DST #: 1

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

Printed: 2022.05.24 @ 16:58:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton, KS

Miller #1

Job Ticket: 65435 **DST#: 1**

Test Start: 2022.05.22 @ 02:15:00

GENERAL INFORMATION:

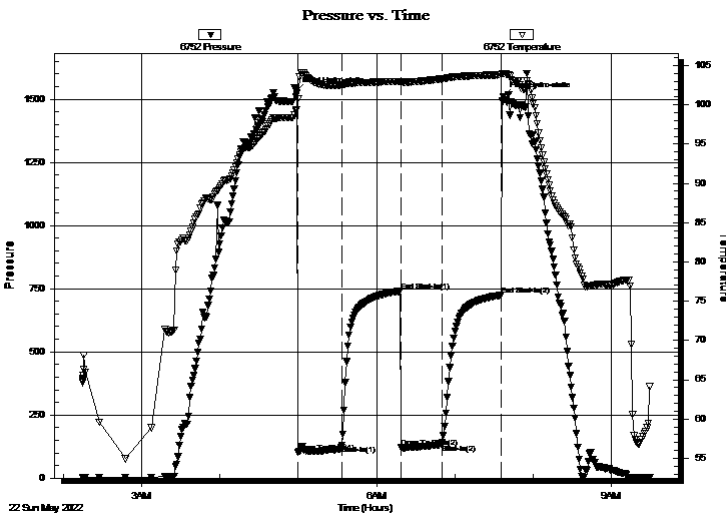
Formation: **LKC "A - F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:00:02
 Time Test Ended: 09:29:02
 Interval: **3086.00 ft (KB) To 3176.00 ft (KB) (TVD)**
 Total Depth: 3176.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 1810.00 ft (KB)
 1800.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6752

Inside

Press@RunDepth: 133.68 psig @ 3163.00 ft (KB) Capacity: psig
 Start Date: 2022.05.22 End Date: 2022.05.22 Last Calib.: 2022.05.22
 Start Time: 02:15:01 End Time: 09:29:02 Time On Btm: 2022.05.22 @ 04:58:32
 Time Off Btm: 2022.05.22 @ 07:36:47

TEST COMMENT: IF: Tool Opened During Slide To Bottom, Weak Blow , Built to 8.85", Died Off to 1.51"
 IS: No Blow
 FF: Weak Blow , Built to .81 inch
 FS: No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1531.51	99.35	Initial Hydro-static
2	101.76	100.75	Open To Flow (1)
35	130.55	102.55	Shut-In(1)
80	739.86	102.97	End Shut-In(1)
81	122.16	102.91	Open To Flow (2)
112	133.68	103.29	Shut-In(2)
157	724.18	103.87	End Shut-In(2)
159	1510.16	104.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mud	2.10

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: Josh Austin

24-19S-12W Barton,KS

Miller #1

Job Ticket: 65435 **DST#: 1**
Test Start: 2022.05.22 @ 02:15:00

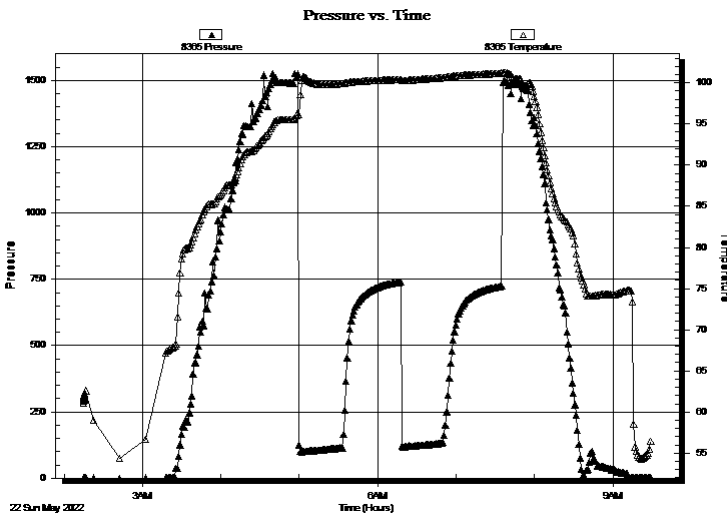
GENERAL INFORMATION:

Formation: **LKC "A - F"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 05:00:02 Tester: Leal Cason
Time Test Ended: 09:29:02 Unit No: 72
Interval: 3086.00 ft (KB) To 3176.00 ft (KB) (TVD) Reference Elevations: 1810.00 ft (KB)
Total Depth: 3176.00 ft (KB) (TVD) 1800.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8365 Outside

Press@RunDepth: psig @ 3163.00 ft (KB) Capacity: psig
Start Date: 2022.05.22 End Date: 2022.05.22 Last Calib.: 2022.05.22
Start Time: 02:15:01 End Time: 09:29:02 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Tool Opened During Slide To Bottom, Weak Blow , Built to 8.85", Died Off to 1.51"
IS: No Blow
FF: Weak Blow , Built to .81 inch
FS: No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mud	2.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton, KS
Miller #1
Job Ticket: 65435 **DST#: 1**
Test Start: 2022.05.22 @ 02:15:00

Tool Information

Drill Pipe:	Length: 3081.00 ft	Diameter: 3.80 inches	Volume: 43.22 bbl	Tool Weight: 2100.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 43.22 bbl</u>	Tool Chased 26.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3086.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	114.00 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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Shut In Tool	5.00			3067.00	
Hydraulic tool	5.00			3072.00	
EM Tool	3.00			3075.00	
Safety Joint	2.00			3077.00	
Packer	5.00			3082.00	24.00 Bottom Of Top Packer
Packer	4.00			3086.00	
Stubb	1.00			3087.00	
Perforations	6.00			3093.00	
Change Over Sub	1.00			3094.00	
Drill Pipe	63.00			3157.00	
Change Over Sub	1.00			3158.00	
Handling Sub	5.00			3163.00	
Recorder	0.00	6752	Inside	3163.00	
Recorder	0.00	8365	Outside	3163.00	
perforations	10.00			3173.00	
Bullnose	3.00			3176.00	90.00 Bottom Packers & Anchor
Total Tool Length:	114.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton,KS
Miller #1
Job Ticket: 65435 **DST#: 1**
Test Start: 2022.05.22 @ 02:15:00

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: 0.02 inches			

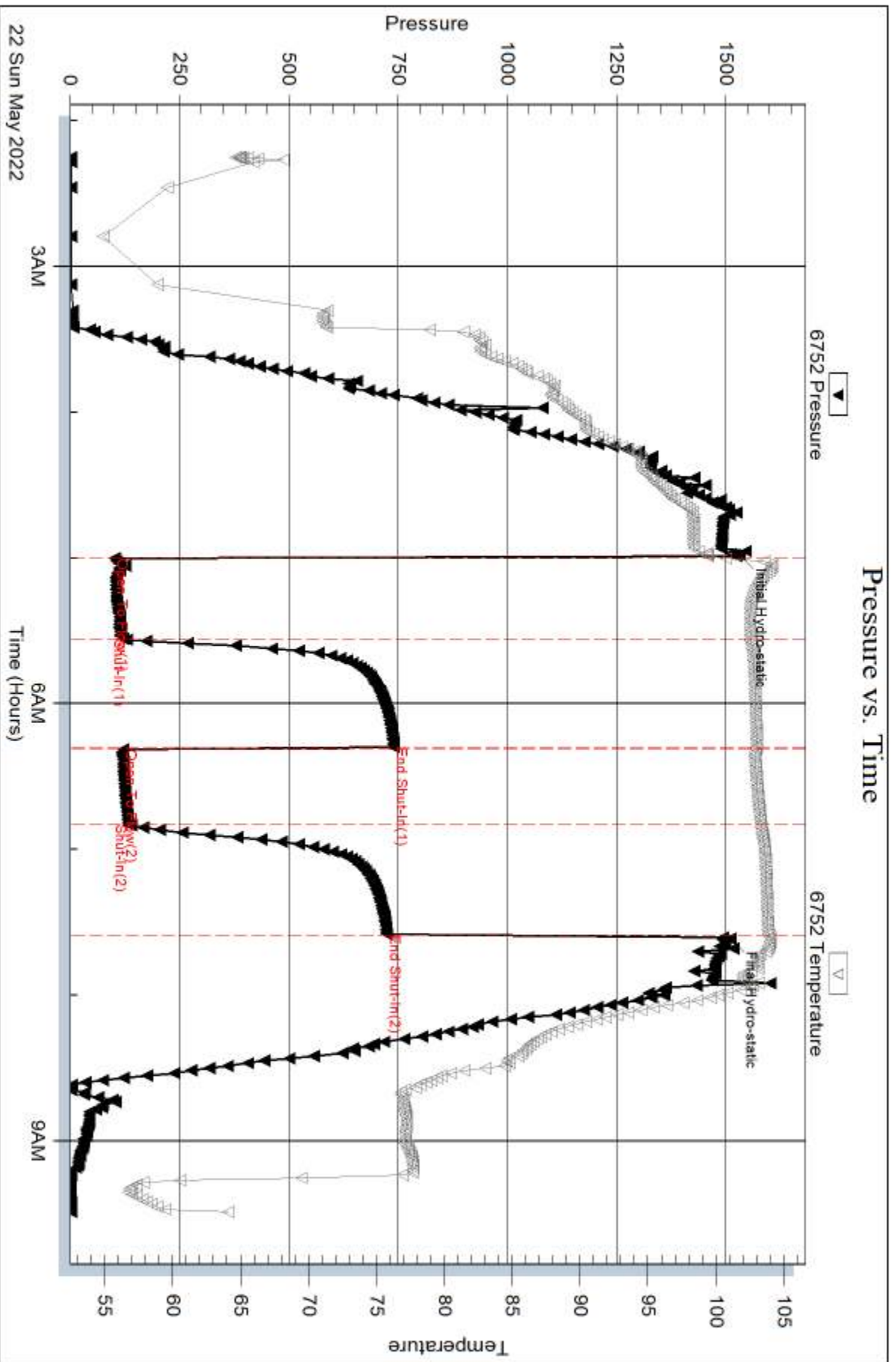
Recovery Information

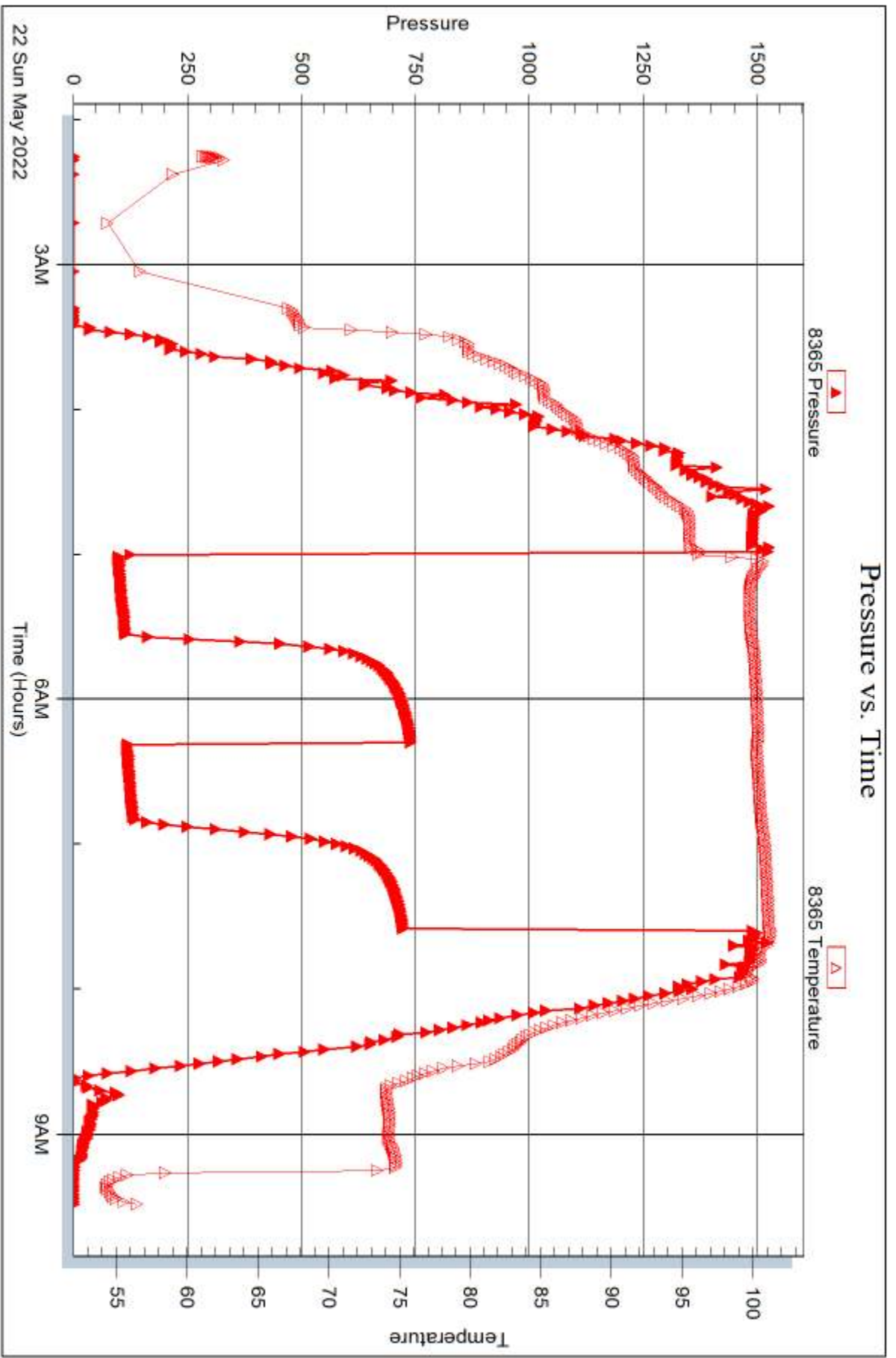
Recovery Table

Length ft	Description	Volume bbl
150.00	Mud	2.104

Total Length: 150.00 ft Total Volume: 2.104 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend, KS 67530

ATTN: Josh Austin

Miller #1

24-19S-12W Barton,KS

Start Date: 2022.05.22 @ 23:30:00

End Date: 2022.05.23 @ 06:54:02

Job Ticket #: 65436 DST #: 2

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

Printed: 2022.05.24 @ 16:57:30



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend, KS 67530
 ATTN: Josh Austin

24-19S-12W Barton, KS

Miller #1

Job Ticket: 65436 **DST#: 2**
 Test Start: 2022.05.22 @ 23:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:55:47
 Time Test Ended: 06:54:02
 Interval: **3335.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 1810.00 ft (KB)
 1800.00 ft (CF)
 KB to GR/CF: 10.00 ft

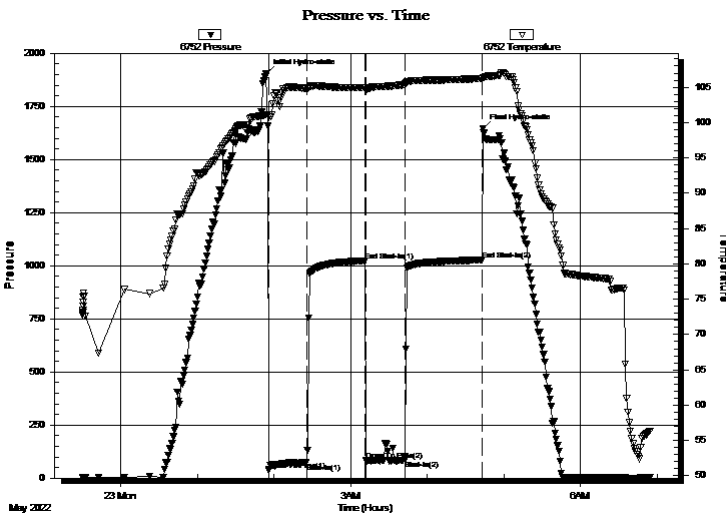
Serial #: 6752

Inside

Press@RunDepth: 86.04 psig @ 3375.00 ft (KB) Capacity: psig
 Start Date: 2022.05.22 End Date: 2022.05.23 Last Calib.: 2022.05.23
 Start Time: 23:30:01 End Time: 06:54:02 Time On Btm: 2022.05.23 @ 01:53:47
 Time Off Btm: 2022.05.23 @ 04:43:32

TEST COMMENT: IF: Weak Blow , Built to 6.2 inches , Died Off to .29 inch
 IS: No Blow
 FF: Weak Blow , Built to 1.49 inches , Died Off to .1 inch
 FS: No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.10	101.09	Initial Hydro-static
2	39.00	100.76	Open To Flow (1)
32	70.81	104.78	Shut-In(1)
78	1023.97	104.89	End Shut-In(1)
79	81.94	104.69	Open To Flow (2)
109	86.04	105.42	Shut-In(2)
170	1027.86	106.25	End Shut-In(2)
170	1644.14	106.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCM 10%O 90%M	0.87
63.00	OCM 45%O 55%M	0.88
5.00	Clean Oil	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton,KS
Miller #1
Job Ticket: 65436 **DST#: 2**
Test Start: 2022.05.22 @ 23:30:00

Tool Information

Drill Pipe:	Length: 3336.00 ft	Diameter: 3.80 inches	Volume: 46.80 bbl	Tool Weight:	2100.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 46.80 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3335.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	69.00 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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Shut In Tool	5.00			3316.00	
Hydraulic tool	5.00			3321.00	
EM Tool	3.00			3324.00	
Safety Joint	2.00			3326.00	
Packer	5.00			3331.00	24.00 Bottom Of Top Packer
Packer	4.00			3335.00	
Stubb	1.00			3336.00	
Perforations	5.00			3341.00	
Change Over Sub	1.00			3342.00	
Drill Pipe	32.00			3374.00	
Change Over Sub	1.00			3375.00	
Recorder	0.00	6752	Inside	3375.00	
Recorder	0.00	8365	Outside	3375.00	
perforations	2.00			3377.00	
Bullnose	3.00			3380.00	45.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton,KS
Miller #1
Job Ticket: 65436 **DST#: 2**
Test Start: 2022.05.22 @ 23:30:00

Mud and Cushion Information

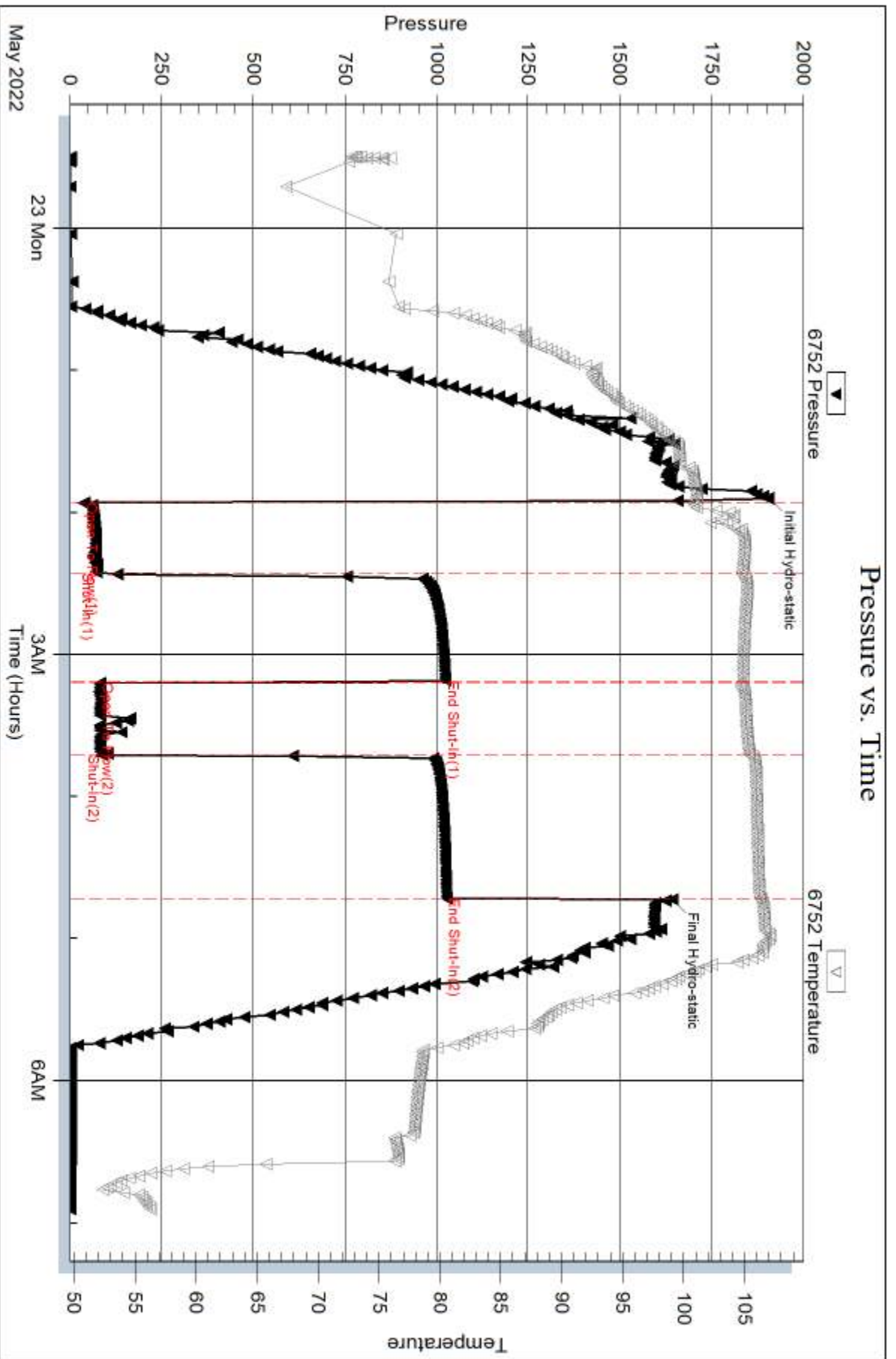
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: 0.02 inches			

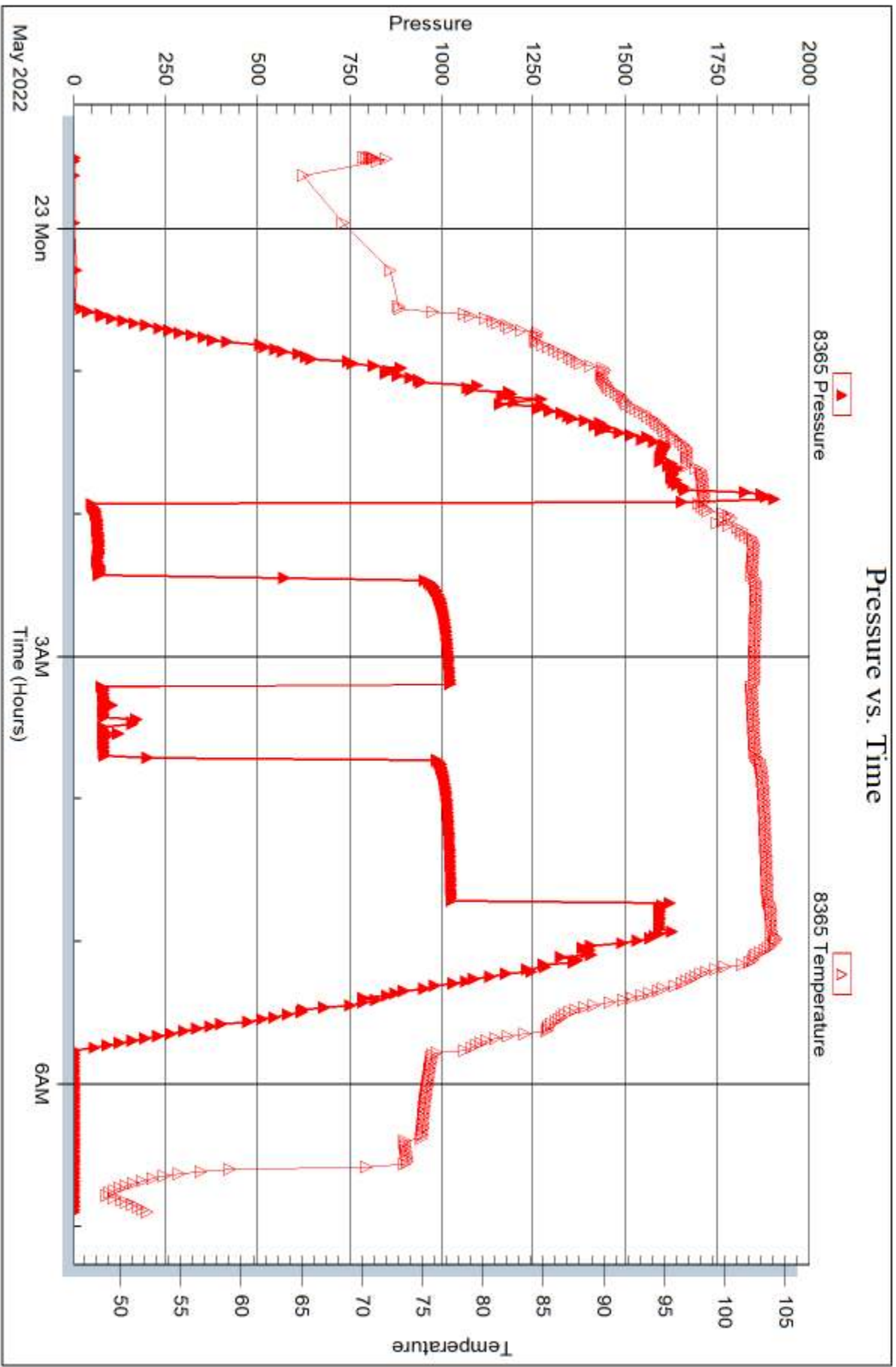
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCM 10%O 90%M	0.870
63.00	OCM 45%O 55%M	0.884
5.00	Clean Oil	0.070

Total Length: 130.00 ft Total Volume: 1.824 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: Josh Austin

Miller #1

24-19S-12W Barton,KS

Start Date: 2022.05.23 @ 12:12:00

End Date: 2022.05.23 @ 18:54:02

Job Ticket #: 65437 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.05.24 @ 16:56:38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton,KS

Miller #1

Job Ticket: 65437

DST#: 3

Test Start: 2022.05.23 @ 12:12:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:47:32
 Time Test Ended: 18:54:02
 Interval: **3380.00 ft (KB) To 3386.00 ft (KB) (TVD)**
 Total Depth: 3386.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 1810.00 ft (KB)
 1800.00 ft (CF)
 KB to GR/CF: 10.00 ft

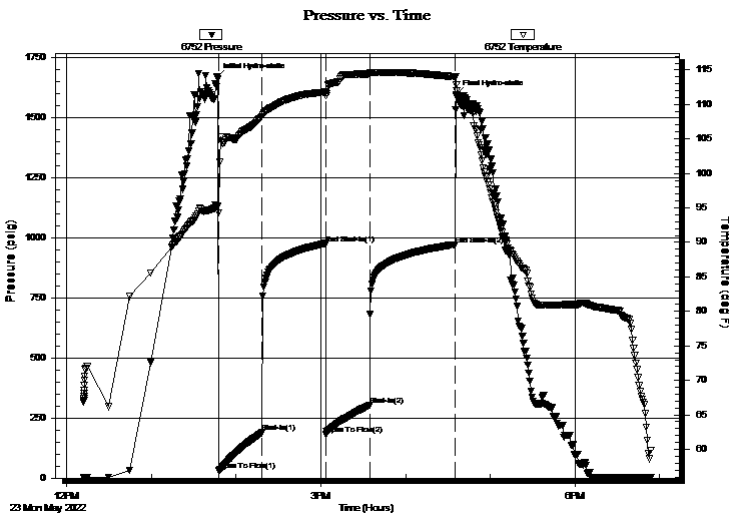
Serial #: 6752

Inside

Press@RunDepth: 304.49 psig @ 3381.00 ft (KB) Capacity: psig
 Start Date: 2022.05.23 End Date: 2022.05.23 Last Calib.: 2022.05.23
 Start Time: 12:12:01 End Time: 18:54:02 Time On Btm: 2022.05.23 @ 13:46:32
 Time Off Btm: 2022.05.23 @ 16:36:02

TEST COMMENT: IF: Strong Blow , BOB in 11 minutes, Built to 15.56 inches
 IS: .4 inch Blow
 FF: Fair Blow , Built to 8.4 inches, Died Off to 7.33 inches\
 FS: No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.37	95.18	Initial Hydro-static
1	30.69	94.28	Open To Flow (1)
32	189.22	108.25	Shut-In(1)
77	976.80	111.77	End Shut-In(1)
78	182.44	111.23	Open To Flow (2)
108	304.49	114.45	Shut-In(2)
169	972.89	113.98	End Shut-In(2)
170	1596.85	112.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
398.00	Water	5.58
62.00	OMCW 2%O 20%M 78%W	0.87
62.00	MWCO 14%M 22%W 65%O	0.87
162.00	Clean Oil	2.27

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton, KS
Miller #1
Job Ticket: 65437 **DST#: 3**
Test Start: 2022.05.23 @ 12:12:00

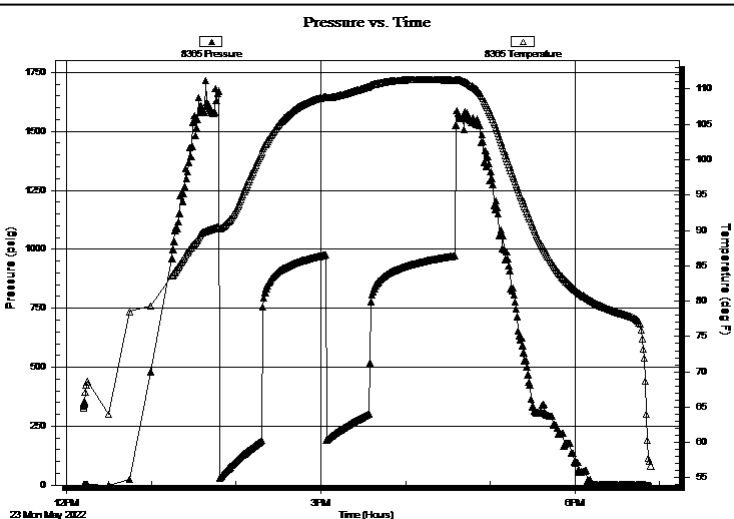
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 13:47:32 Tester: Leal Cason
Time Test Ended: 18:54:02 Unit No: 72
Interval: 3380.00 ft (KB) To 3386.00 ft (KB) (TVD) Reference Elevations: 1810.00 ft (KB)
Total Depth: 3386.00 ft (KB) (TVD) 1800.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8365 Outside

Press@RunDepth: psig @ 3381.00 ft (KB) Capacity: psig
Start Date: 2022.05.23 End Date: 2022.05.23 Last Calib.: 2022.05.23
Start Time: 12:12:01 End Time: 18:54:02 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 11 minutes, Built to 15.56 inches
IS: .4 inch Blow
FF: Fair Blow, Built to 8.4 inches, Died Off to 7.33 inches\
FS: No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
398.00	Water	5.58
62.00	OMCW 2%O 20%M 78%W	0.87
62.00	MWCO 14%M 22%W 65%O	0.87
162.00	Clean Oil	2.27

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
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton,KS
Miller #1
Job Ticket: 65437 **DST#: 3**
Test Start: 2022.05.23 @ 12:12:00

Tool Information

Drill Pipe:	Length: 3368.00 ft	Diameter: 3.80 inches	Volume: 47.24 bbl	Tool Weight:	2100.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 47.24 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3380.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	6.00 ft				
Tool Length:	30.00 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	5.00			3361.00	
Hydraulic tool	5.00			3366.00	
EM Tool	3.00			3369.00	
Safety Joint	2.00			3371.00	
Packer	5.00			3376.00	24.00 Bottom Of Top Packer
Packer	4.00			3380.00	
Stubb	1.00			3381.00	
Recorder	0.00	6752	Inside	3381.00	
Recorder	0.00	8365	Outside	3381.00	
Perforations	2.00			3383.00	
Bullnose	3.00			3386.00	6.00 Bottom Packers & Anchor

Total Tool Length: 30.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton,KS
Miller #1
Job Ticket: 65437 **DST#: 3**
Test Start: 2022.05.23 @ 12:12:00

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
398.00	Water	5.583
62.00	OMCW 2%O 20%M 78%W	0.870
62.00	MWCO 14%M 22%W 65%O	0.870
162.00	Clean Oil	2.272

Total Length: 684.00 ft Total Volume: 9.595 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Gravity w as 37.2 @ 68 degrees
 RW w as .19 @ 72 degrees

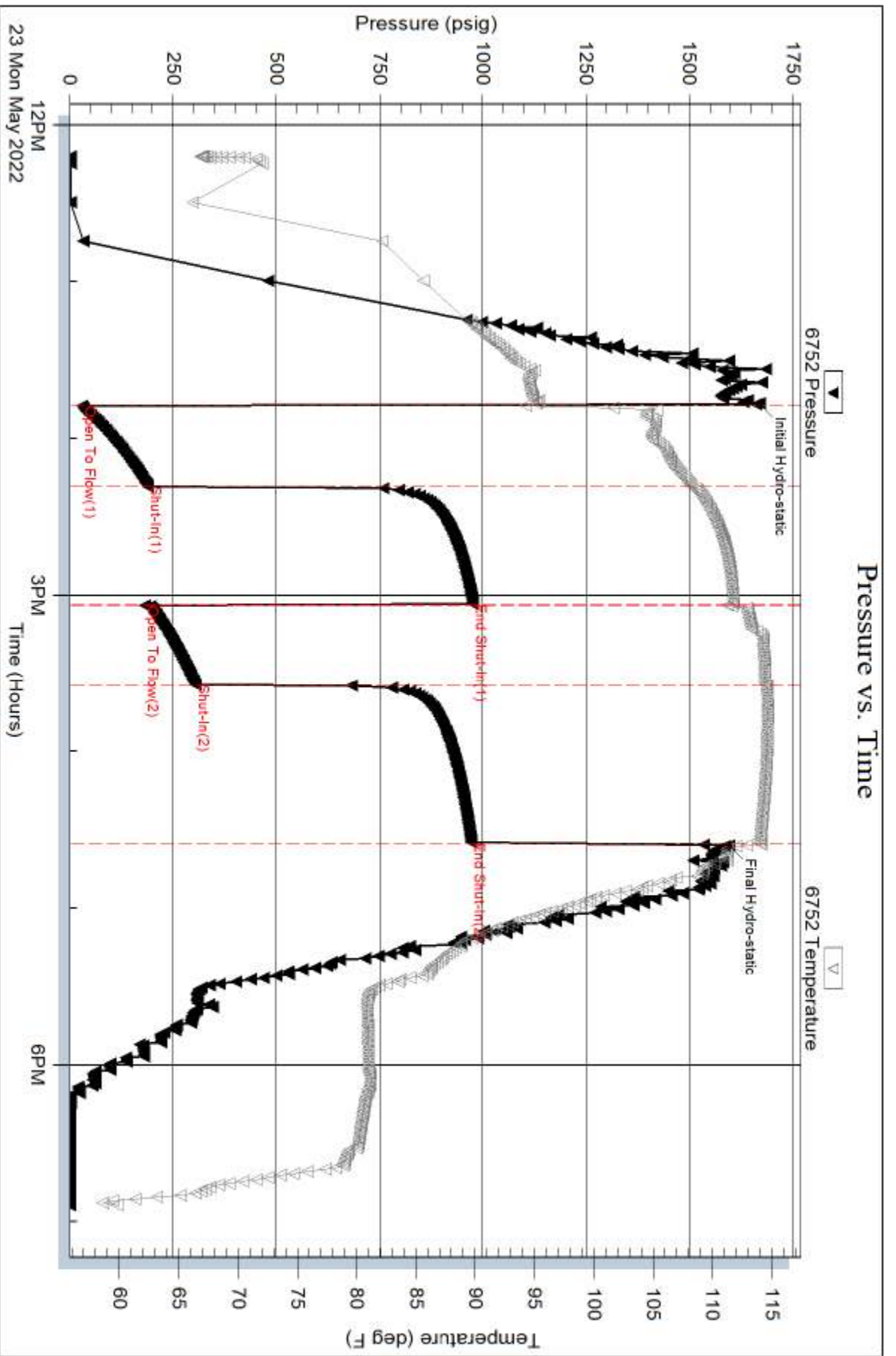
Serial #: 6752

Inside

Charter Energy Inc

Well #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65437

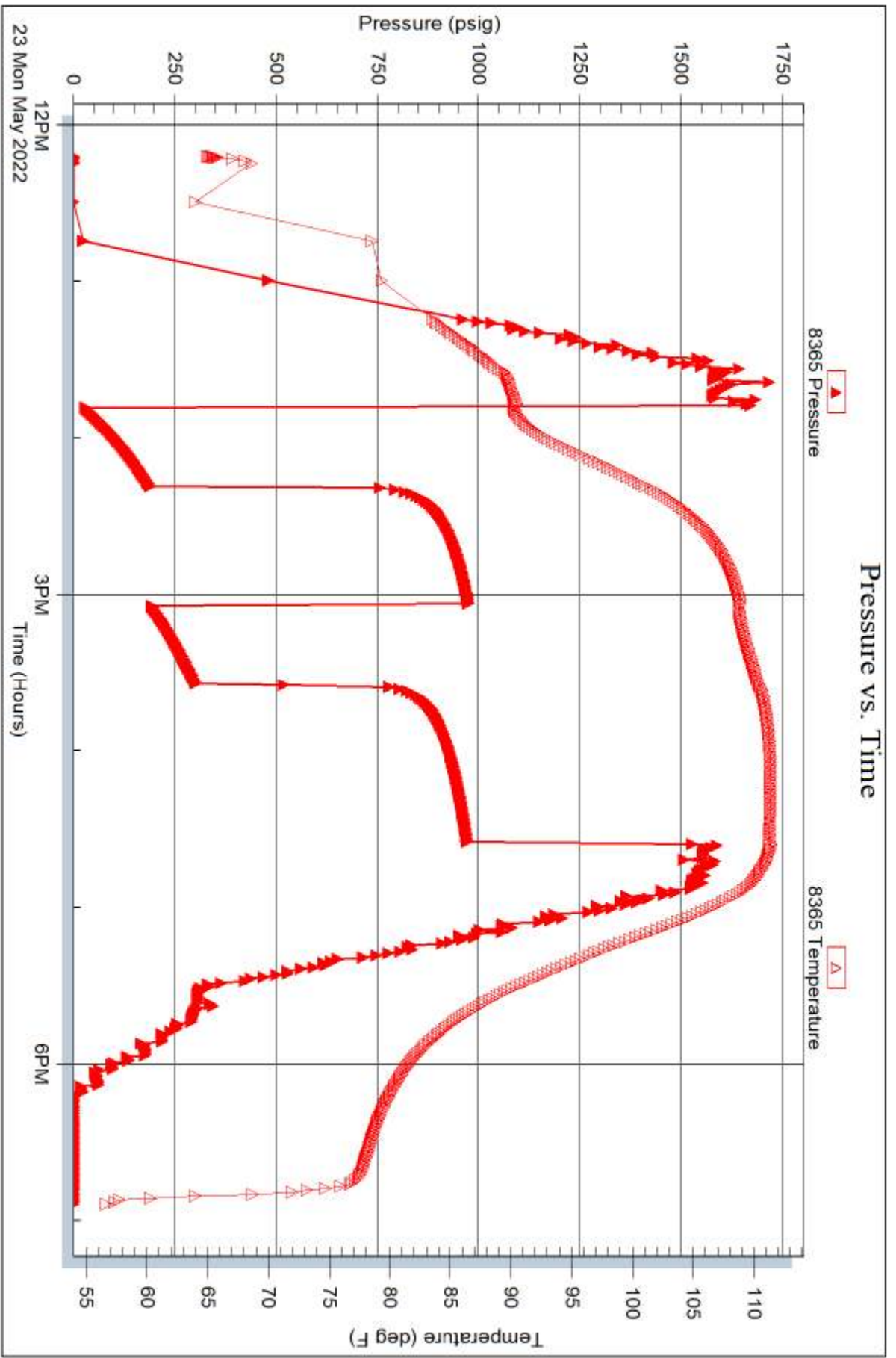
Printed: 2022.05.24 @ 16:56:39

Serial #: 8365

Outside Charter Energy Inc

Miller #1

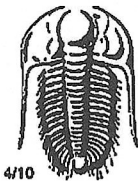
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65437

Printed: 2022.05.24 @ 16:56:39



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65435

Well Name & No. Miller 1 Test No. 1 Date 05/22/22
 Company Charter Energy Inc Elevation 1810 KB 1800 GL
 Address PO BOX 252 Great Bend, KS 67530
 Co. Rep / Geo. Josh Austin Rig Southwind 8
 Location: Sec. 24 Twp 19S Rge. 12W Co. Barton State KS

Interval Tested 3086 - 3176 Zone Tested Lansing "A-F"
 Anchor Length 90 Drill Pipe Run 3081 Mud Wt. 8.7
 Top Packer Depth 3081 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3086 Wt. Pipe Run 0 WL 5.4
 Total Depth 3176 Chlorides 2900 ppm System LCM 2

Blow Description IF: Toolslid 26', opened during slide, weak blow, 8.85" died off to 1.5
ISI: NO BLOW
FF: weak blow, built to .81 inch
FSI: NO BLOW

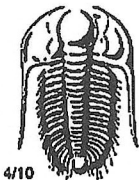
Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT 101 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic	<u>1531</u>	<input checked="" type="checkbox"/> Test	<u>1800</u>	T-On Location	<u>00:15</u>
(B) First Initial Flow	<u>102</u>	<input type="checkbox"/> Jars		T-Started	<u>02:15</u>
(C) First Final Flow	<u>131</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>05:00</u>
(D) Initial Shut-In	<u>740</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>07:35</u>
(E) Second Initial Flow	<u>122</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>09:29</u>
(F) Second Final Flow	<u>134</u>	<input checked="" type="checkbox"/> Mileage <u>(120)</u>	<u>180</u>	Comments	<u>Tool Slid Approx 26'</u>
(G) Final Shut-In	<u>724</u>	<input type="checkbox"/> Sampler			<u>Motel</u>
(H) Final Hydrostatic	<u>1510</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>45</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>1980</u>
		Sub Total	<u>1980</u>	MP/DST Disc't	

Approved By [Signature] Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65436

Well Name & No. Miller 1 Test No. 2 Date 05/22/22
 Company Charter Energy Inc Elevation 1810 KB 1800 GL
 Address PO Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Josh Austin Rig Southwind 8
 Location: Sec. 24 Twp 19S Rge. 12W Co. Barton State KS

Interval Tested 3335 - 3380 Zone Tested Arbuckle
 Anchor Length 45 Drill Pipe Run 3336 Mud Wt. 9.0
 Top Packer Depth 3330 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3335 Wt. Pipe Run 0 WL 5.8
 Total Depth 3380 Chlorides 4600 ppm System LCM 1

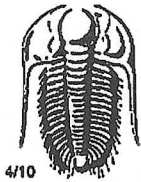
Blow Description IF: Weak Blow, Built to 6.2 inches, Died off to .29 inch
ISI: NO BLOW
FF: Weak Blow, Built to 1.49 inches, Died off to .1 inch
FSE: NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>clean oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>63</u>	<u>OCM</u>	<u>45</u>	<u>0</u>	<u>0</u>	<u>55</u>
<u>62</u>	<u>OCM</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>90</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 130 BHT 104 Gravity NIC API RW NIC @ NIC Chlorides NIC ppm

(A) Initial Hydrostatic 1906 Test 1800 T-On Location 22:30
 (B) First Initial Flow 39 Jars _____ T-Started 23:20
 (C) First Final Flow 71 Safety Joint _____ T-Open 01:55
 (D) Initial Shut-In 1024 Circ Sub _____ T-Pulled 04:43
 (E) Second Initial Flow 82 Hourly Standby _____ T-Out 06:54
 (F) Second Final Flow 86 Mileage (120) 180 Comments note 1
 (G) Final Shut-In 1027 Sampler _____
 (H) Final Hydrostatic 1644 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1980 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 60
 Approved By _____ Our Representative [Signature]
 TriLOBITE TESTING Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65437

Well Name & No. Miller 1 Test No. 3 Date 05/23/22
 Company Charter Energy INC Elevation 1710 KB 1800 GL
 Address PO Box 252 Great Bend, KS 67530
 Co. Rep / Geo. Josh Austin Rig Southwind 8
 Location: Sec. 24 Twp 19S Rge. 12W Co. Barton State KS

Interval Tested 3380 - 3386 Zone Tested Arbuckle
 Anchor Length 6 Drill Pipe Run 3368 Mud Wt. 9.2
 Top Packer Depth 3375 Drill Collars Run 0 Vis 59
 Bottom Packer Depth 3380 Wt. Pipe Run 0 WL 5.8
 Total Depth 3386 Chlorides 4500 ppm System LCM 1

Blow Description IF: Strong Blow, BOB in 11 minutes, Built to 15.56 inches
ISF: 4 inch Blow
FF: Fair Blow, Built to 8.4 inches, Died off to 7.33 inches
FST: NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>162</u>	<u>Clean oil</u>				
<u>62</u>	<u>MVC0</u>		<u>64</u>	<u>22</u>	<u>14</u>
<u>62</u>	<u>OMCW</u>		<u>2</u>	<u>78</u>	<u>20</u>
<u>398</u>	<u>Water</u>				

Rec Total 684 BHT 114 Gravity 36.4 API RW .19 @ 72° F Chlorides 38000 ppm

(A) Initial Hydrostatic <u>1669</u>	<input checked="" type="checkbox"/> Test <u>1800</u>	T-On Location <u>11:30</u>
(B) First Initial Flow <u>31</u>	<input type="checkbox"/> Jars	T-Started <u>12:12</u>
(C) First Final Flow <u>179</u>	<input type="checkbox"/> Safety Joint	T-Open <u>17:47</u>
(D) Initial Shut-In <u>977</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>16:35</u>
(E) Second Initial Flow <u>182</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>18:54</u>
(F) Second Final Flow <u>304</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> 180	Comments <u>Motel</u>
(G) Final Shut-In <u>973</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1597</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>45</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>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1980</u>
	Sub Total <u>1980</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

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Joshua R. Austin

Petroleum Geologist

Report for
CHARTER ENERGY, Inc.



COMPANY: Charter Energy, Inc.

LEASE: Miller #1

FIELD: Cheyenne View

LOCATION: 660' FSL & 660' FWL

SEC: 24 **TWSP:** 19s **RGE:** 12W

COUNTY: Barton **STATE:** Kansas

KB: 1810' **GL:** 1800'

API # 15-009-26351-00-00

CONTRACTOR: Southwind Drilling Rig #8

Spud: 05/18/2022 **Comp:** 05/24/2022

RTD: 3455' **LTD:** 3456'

Mud Up: 2670' **Type Mud:** Chemical was displaced

Samples Saved From: 2700' to RTD

Drilling Time Kept From: 2600' to RTD

Samples Examined From: 2700' to RTD

Geological Supervision From: 2800' to RTD

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 362'

Production Casing: 5 1/2" @ 3442'

Electronic Surveys: ELI Wireline

NOTES


On the basis of the drill stem test, shows in the samples and after reviewing the electric logs, it was recommended by all parties involved in the Miller #1 to set 5 1/2" production casing to further test the Arbuckle, Lansing and Topeka zones. See typed geo report for recommendations.

Respectfully submitted,
Josh Austin

CHARTER ENERGY, Inc.

well comparison sheet

DRILLING WELL					COMPARISON WELL			
Miller #1					Apel #1			
					Chief Drlg. Co			
					Structural Relationship			
1810 KB					1806 KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Anhydrite	609	1201	609	1201	608	1198	3	3
Heebner	2966	-1156	2962	-1152	2964	-1158	2	6
Toronto	2985	-1175	2986	-1176	2983	-1177	2	1
Douglas	2996	-1186	2994	-1184	3008	-1202	16	18
Brown Lime	3083	-1273	3080	-1270	3080	-1274	1	4
Lansing	3097	-1287	3097	-1287	3095	-1289	2	2
Base KC	3339	-1529	3336	-1526				
Conglomerate	3353	-1543	3344	-1534	3347	-1541	-2	7
Arbuckle	3361	-1551	3361	-1551	3357	-1551	0	0
Total Depth	3455	-1645	3456	-1646	3386	-1580		

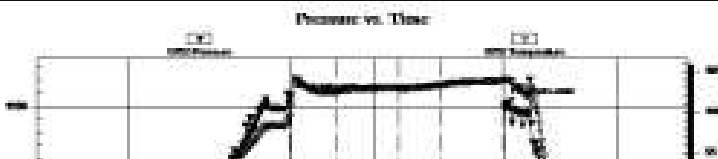
 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC</p>	DRILL STEM TEST REPORT	
	Charter Energy Inc PO Box 252 Great Bend, KS 67530 ATTN: Josh Austin	24-19S-12W Barton Miller 1 Job Ticket: 65436 DST#: 1 Test Start: 2022.05.22 @ 02:15:00

GENERAL INFORMATION:

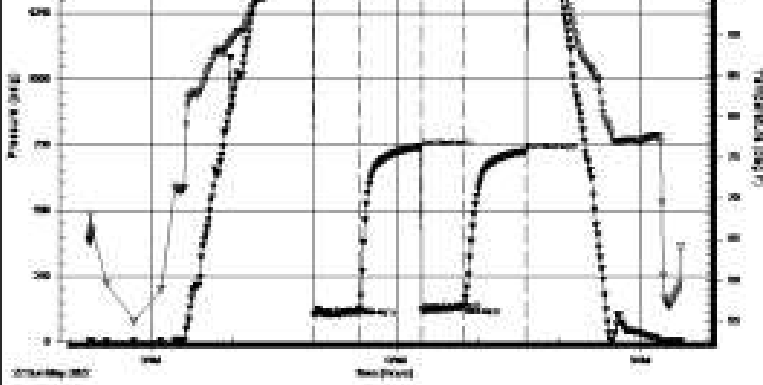
Formation: Lansing "A-F" Deviated: No Whipstock: ft (KB) Time Tool Opened: 05:00:02 Time Test Ended: 09:29:02	Test Type: Conventional Bottom Hole (Initial) Tester: Leal Cason Unit No: 72
Interval: 3086.00 ft (KB) To 3176.00 ft (KB) (TVD) Total Depth: 3176.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good	Reference Elevations: 1810.00 ft (KB) 1800.00 ft (CF) KB to GR/CF: 10.00 ft

Serial #: 6752	Inside		
Press@RunDepth:	133.68 psig @	3163.00 ft (KB)	Capacity: psig
Start Date:	2022.05.22	End Date:	2022.05.22
Start Time:	02:15:01	End Time:	09:29:02
		Time On Btm:	2022.05.22 @ 04:58:32
		Time Off Btm:	2022.05.22 @ 07:36:47

TEST COMMENT: F: Tool Opened During Slide To Bottom, Weak Blow, Built to 8.85", Died Off to 1.51"
 IS: No Blow
 FF: Weak Blow, Built to .81 inch
 FS: No Blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1531.51	99.35	Initial Hydro-static
2	101.78	100.75	Open To Flow (1)



35	130.55	102.55	Shut-in(1)
80	739.88	102.97	End Shut-in(1)
81	122.16	102.91	Open To Flow(2)
112	133.68	103.29	Shut-in(2)
157	724.18	103.87	End Shut-in(2)
159	1510.16	104.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mud	2.10

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc.
 PO Box 252
 Great Bend, KS 67530
 ATTN: Josh Austin

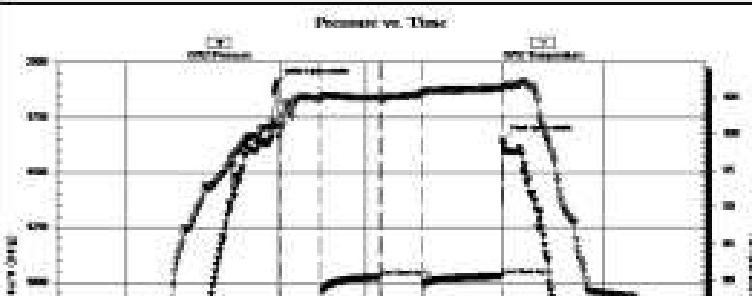
24-19S-12W Barton
Miller 1
 Job Ticket: 85436 DST#: 2
 Test Start: 2022.05.22 @ 23:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:55:47
 Time Test Ended: 06:54:02
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 72
 Interval: **3335.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Reference Elevations: 1810.00 ft (KB)
 1800.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 10.00 ft

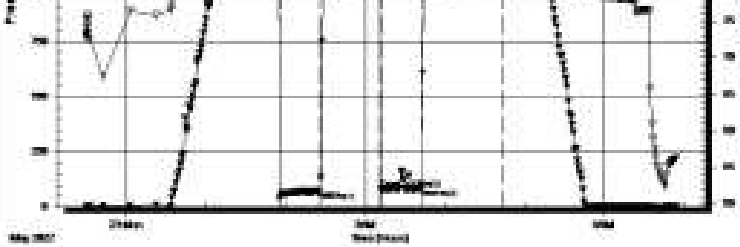
Serial #: 6752 **Inside**
 Press@RunDepth: 86.04 psig @ 3375.00 ft (KB) Capacity: psig
 Start Date: 2022.05.22 End Date: 2022.05.23 Last Calib.: 2022.05.23
 Start Time: 23:30:01 End Time: 06:54:02 Time On Blm: 2022.05.23 @ 01:53:47
 Time Off Blm: 2022.05.23 @ 04:43:32

TEST COMMENT: F: Weak Blow , Built to 8.2 inches , Died Off to .29 inch
 FSI: No Blow
 FF: Weak Blow , Built to 1.49 inches , Died Off to .1 inch
 FSI: No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.10	101.09	Initial Hydro-static
2	39.00	100.76	Open To Flow (1)
32	70.81	104.78	Shut-in(1)
78	1023.97	104.89	End Shut-in(1)
79	81.94	104.69	Open To Flow (2)
109	86.04	105.42	Shut-in(2)



170	1027.86	108.25	End Shut-in(2)
170	1644.14	108.38	Final Hydro-static

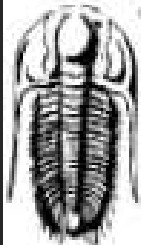
Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCM 10%O 90%M	0.87
63.00	OCM 45%O 55%M	0.88
5.00	Clean Oil	0.07

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcft)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend, KS 67530
ATTN: Josh Austin

24-19S-12W Barton

Miller 1

Job Ticket: 65437

DST#: 3

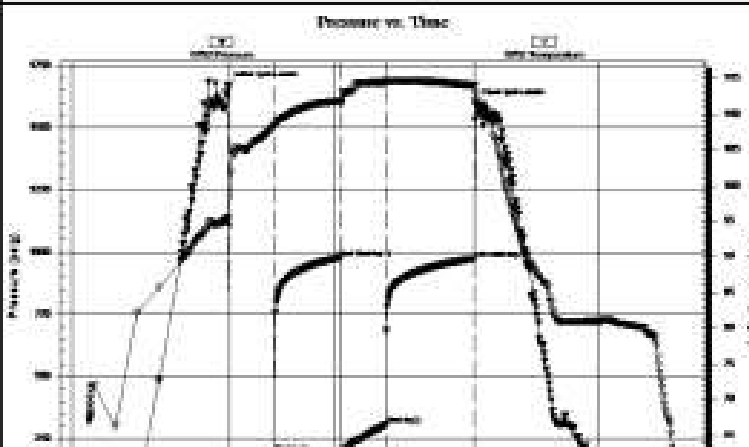
Test Start: 2022.05.23 @ 12:12:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 13:47:32 Tester: Leal Cason
 Time Test Ended: 18:54:02 Unit No: 72
 Interval: 3380.00 ft (KB) To 3386.00 ft (KB) (TVD) Reference Elevations: 1910.00 ft (KB)
 Total Depth: 3386.00 ft (KB) (TVD) 1800.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

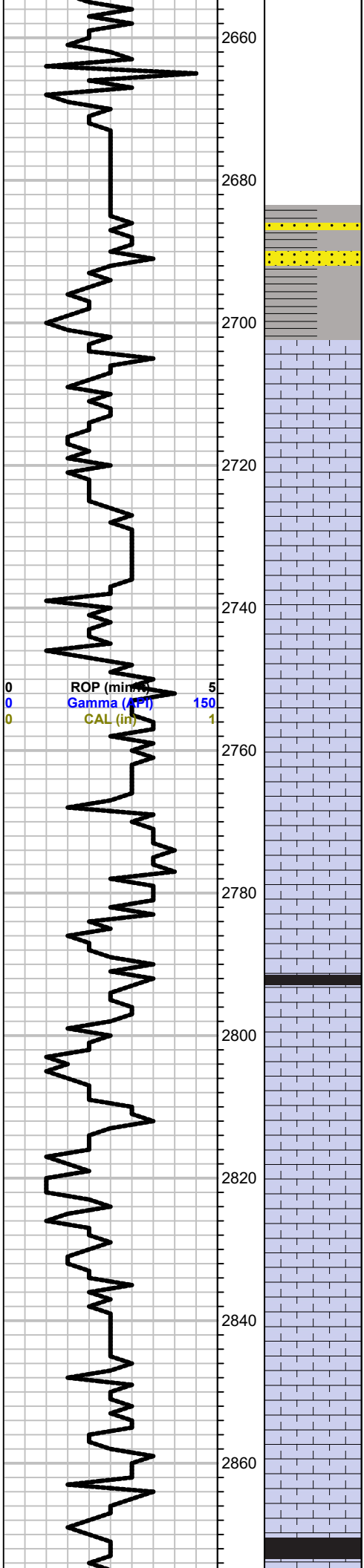
Serial #: **6752** Inside
 Press@RunDepth: 304.49 psig @ 3381.00 ft (KB) Capacity: psig
 Start Date: 2022.05.23 End Date: 2022.05.23 Last Calib.: 2022.05.23
 Start Time: 12:12:01 End Time: 18:54:02 Time On Btm: 2022.05.23 @ 13:48:32
 Time Off Btm: 2022.05.23 @ 18:38:02

TEST COMMENT: F: Strong Blow, BOB in 11 minutes, Built to 15.58 inches
 St: 4 inch Blow
 FF: Fair Blow, Built to 8.4 inches, Died Off to 7.33 inches/
 FSt: No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.37	95.18	Initial Hydro-static
1	30.69	94.28	Open To Flow (1)
32	189.22	108.25	Shut-in (1)
77	978.80	111.77	End Shut-in (1)
78	182.44	111.23	Open To Flow (2)
108	304.49	114.45	Shut-in (2)
169	972.89	113.98	End Shut-in (2)
170	1596.85	112.92	Final Hydro-static



wet and dry samples 2700'-RTD

TOPEKA 2701 (-891)

Samples very poor - indescribable

as above

Limestone; cream, fine xln, chalky. inter xln porosity, spotty brown stain, trace spotty free oil, no odor

Limestone; tan-cream, fine xln, chalky, plus white chalk, no shows poor sample

Limestone; grey-buff-cream, fine xln, granular in part, fossiliferous, few scattered porosity, no shows

dark grey-black shale

Limestone; cream, fine xln, chalky, slightly fossiliferous, no visible porosity, no shows

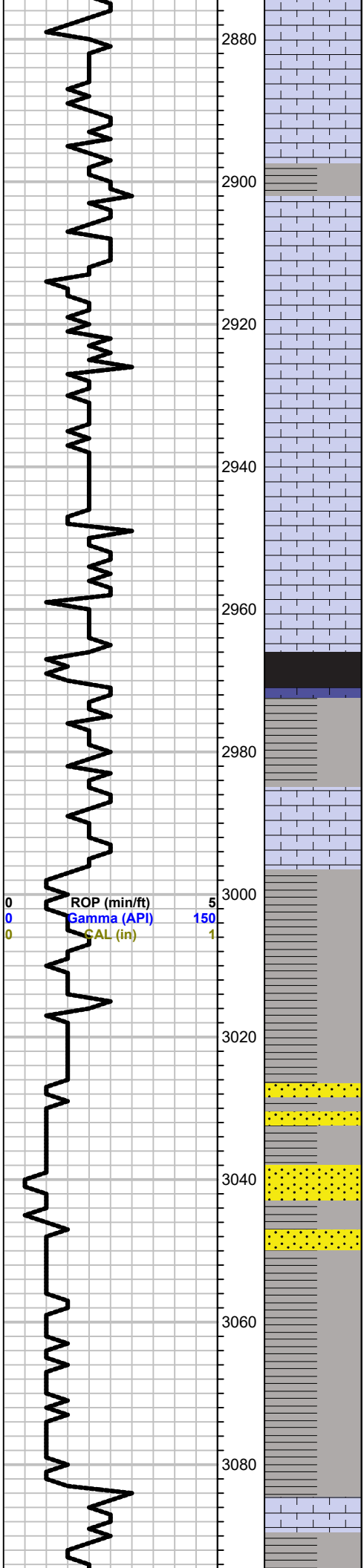
Limestone; cream-grey, fine xln, dense, cherty in part, no shows

Limestone; cream-buff, fossiliferous in part, slightly granular, no shows

Limestone; tan-cream, fine xln, few

trace black carboniferous shale

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



Limestone; cream, fossiliferous/oolitic, fair oolitic-fossilcast porosity, spotty brown stain, SFO, no odor

grey-green-maroon shale

Limestone; cream-grey, oolitic, granular, scattered oolitic porosity, brown spotty stain, dark SFO, no odor, plus gassy bubbles

Limestone; grey-cream, mottled, granular in part / sandy, fossiliferous, no shows

HEEBNER 2966 (-1156)
black carboniferous shale

greyish green soft shale

TORONTO 2985 (-1175)
Limestone; white-cream, finely oolitic, chalky, pin point porosity, no shows

DOUGLAS 2996 (-1186)
Shale; grey-greyish green, micaceous, silty in part

Trace Sand; white-grey, very fine grained, micaceous, fair-good stain, NSFO, questionable gas bubble, no odor

Shale as above plus Siltstone; greyish green, micaceous

Shale; grey-greyish green- dark grey, micaceous in part, soft

BROWN LIME 3083 (-1273)
Limestone; tan, brown, fine xln, dense, cherty, slightly fossiliferous

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

DST # 1 3086-3176

Lansing A-F

LANSING 3097 (-1287)

30-45-30-45

Limestone; cream-buff, fine xln, fossiliferous, cherty, poor porosity, brown stain, trace free oil, fair odor

Blow; built to 8"
Final built to 1"
no blow back

Limestone; tan-buff, oomoldic, fair-good oomoldic porosity, brown stain, lt. SFO, good odor

Recovery;
150' Mud

Limestone; cream, fine xln, dense, inter xln porosity, golden brown stain, SFO, fair-good odor

Pressures;
ISIP 739
FSIP 724
IFP 101-130
FFP 112-157
HSH 1531-1510

Limestone; cream-tan-buff, fine xln, dense, cherty in part, few scattered porosity, trace stain, NSFO, no odor

Limestone; tan-cream, fine xln, oolitic, dark brown-black stain, SFO, good odor

Limestone; tan-buff, sub oomoldic, fair-good oomoldic porosity, no shows

Limestone; buff-grey, fine xln, dense, cherty, fossiliferous in part, no shows

as above plus white-grey Chert

black carboniferous Shale

Limestone; cream, fine-medium xln, oolitic-fossiliferous, scattered porosity, golden brown stain, NSFO, good odor

Limestone; white-cream, oomoldic, fair oomoldic porosity, no shows

Limestone; grey-cream, oolitic / fossiliferous, few scattered inter xln - fossil cast porosity, no shows

Limestone; grey, mottled, chalky in part, dense, no shows

Limestone; grey-buff, fine xln, dense, cherty, poor visible porosity, no shows

DST # 2 3335-3380

Arbuckle

30-45-30-60

