



## DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC**

PO Box 123  
Andover, KS 67002

ATTN: Tim Priest

### **Quenzer #1-27**

#### **27-07s-37w Sherman,KS**

Start Date: 2017.06.25 @ 14:25:44

End Date: 2017.06.25 @ 19:53:14

Job Ticket #: 63820                      DST #: 1

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

Printed: 2017.06.30 @ 14:02:03

Chizum Oil LLC  
27-07s-37w Sherman,KS  
Quenzer #1-27  
DST # 1  
LKC H - J  
2017.06.25



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 PO Box 123  
 Andover, KS 67002  
 ATTN: Tim Priest

**27-07s-37w Sherman, KS**  
**Quenzer #1-27**  
 Job Ticket: 63820 **DST#: 1**  
 Test Start: 2017.06.25 @ 14:25:44

## GENERAL INFORMATION:

Formation: **LKC H - J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:23:44  
 Time Test Ended: 19:53:14  
 Interval: **4347.00 ft (KB) To 4430.00 ft (KB) (TVD)**  
 Total Depth: 4430.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 3417.00 ft (KB)  
 3412.00 ft (CF)  
 KB to GR/CF: 5.00 ft

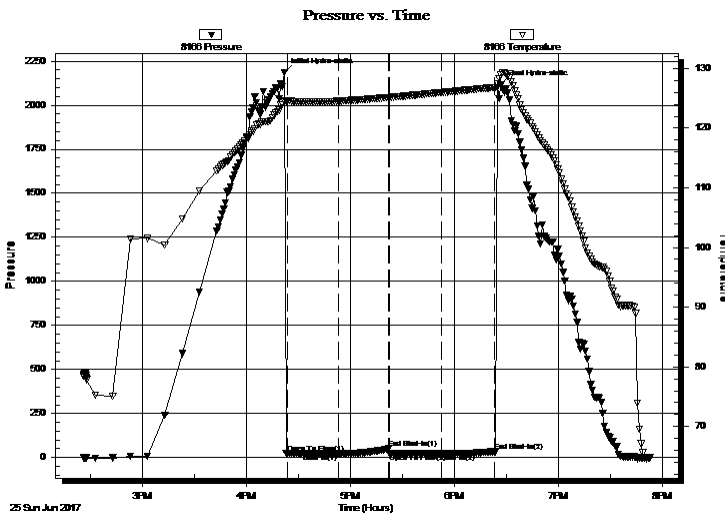
## Serial #: 8166

Outside

Press@RunDepth: 22.54 psig @ 4348.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.06.25 End Date: 2017.06.25 Last Calib.: 2017.06.25  
 Start Time: 14:25:49 End Time: 19:53:13 Time On Btm: 2017.06.25 @ 16:21:44  
 Time Off Btm: 2017.06.25 @ 18:26:44

TEST COMMENT: IF: 1/4" blow died in 10 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2186.00	124.47	Initial Hydro-static
2	24.04	124.65	Open To Flow (1)
31	21.98	124.53	Shut-In(1)
60	50.17	125.15	End Shut-In(1)
61	23.45	125.15	Open To Flow (2)
91	22.54	125.97	Shut-In(2)
122	34.66	126.83	End Shut-In(2)
125	2116.92	129.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% <sub>m</sub>	0.02

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 PO Box 123  
 Andover, KS 67002  
 ATTN: Tim Priest

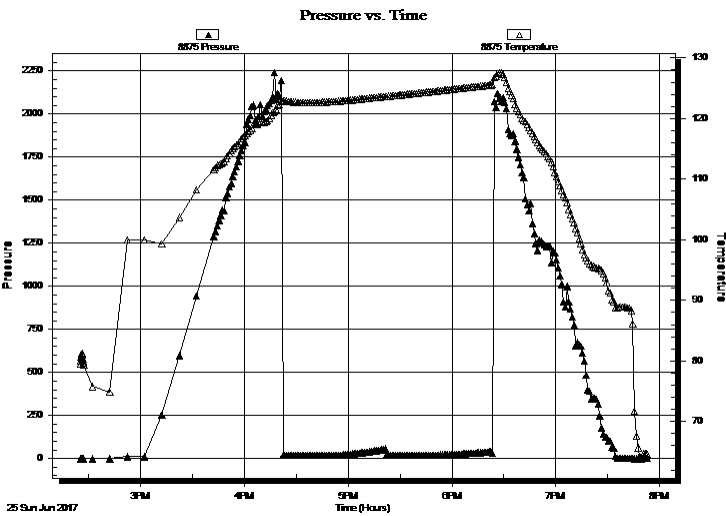
**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
 Job Ticket: 63820      **DST#: 1**  
 Test Start: 2017.06.25 @ 14:25:44

## GENERAL INFORMATION:

Formation: **LKC H - J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:23:44  
 Time Test Ended: 19:53:14  
 Interval: **4347.00 ft (KB) To 4430.00 ft (KB) (TVD)**  
 Total Depth: 4430.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 3417.00 ft (KB)  
 3412.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8875**      **Inside**  
 Press@RunDepth:      psig @ 4348.00 ft (KB)  
 Capacity: 8000.00 psig  
 Start Date: 2017.06.25      End Date: 2017.06.25      Last Calib.: 2017.06.25  
 Start Time: 14:25:32      End Time: 19:52:26      Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: 1/4" blow died in 10 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Chizum Oil LLC  
PO Box 123  
Andover, KS 67002  
ATTN: Tim Priest

**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
Job Ticket: 63820      **DST#: 1**  
Test Start: 2017.06.25 @ 14:25:44

**Tool Information**

Drill Pipe:	Length: 4223.00 ft	Diameter: 3.80 inches	Volume: 59.24 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4347.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	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>
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Stubb	1.00			4328.00	
Shut In Tool	5.00			4333.00	
Hydraulic tool	5.00			4338.00	
Packer	5.00			4343.00	20.00      Bottom Of Top Packer
Packer	4.00			4347.00	
Stubb	1.00			4348.00	
Recorder	0.00	8875	Inside	4348.00	
Recorder	0.00	8166	Outside	4348.00	
Perforations	11.00			4359.00	
Change Over Sub	1.00			4360.00	
Drill Pipe	64.00			4424.00	
Change Over Sub	1.00			4425.00	
Bullnose	5.00			4430.00	83.00      Bottom Packers & Anchor

**Total Tool Length: 103.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Chizum Oil LLC

**27-07s-37w Sherman,KS**

PO Box 123  
Andover, KS 67002

**Quenzer #1-27**

Job Ticket: 63820

**DST#: 1**

ATTN: Tim Priest

Test Start: 2017.06.25 @ 14:25:44

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

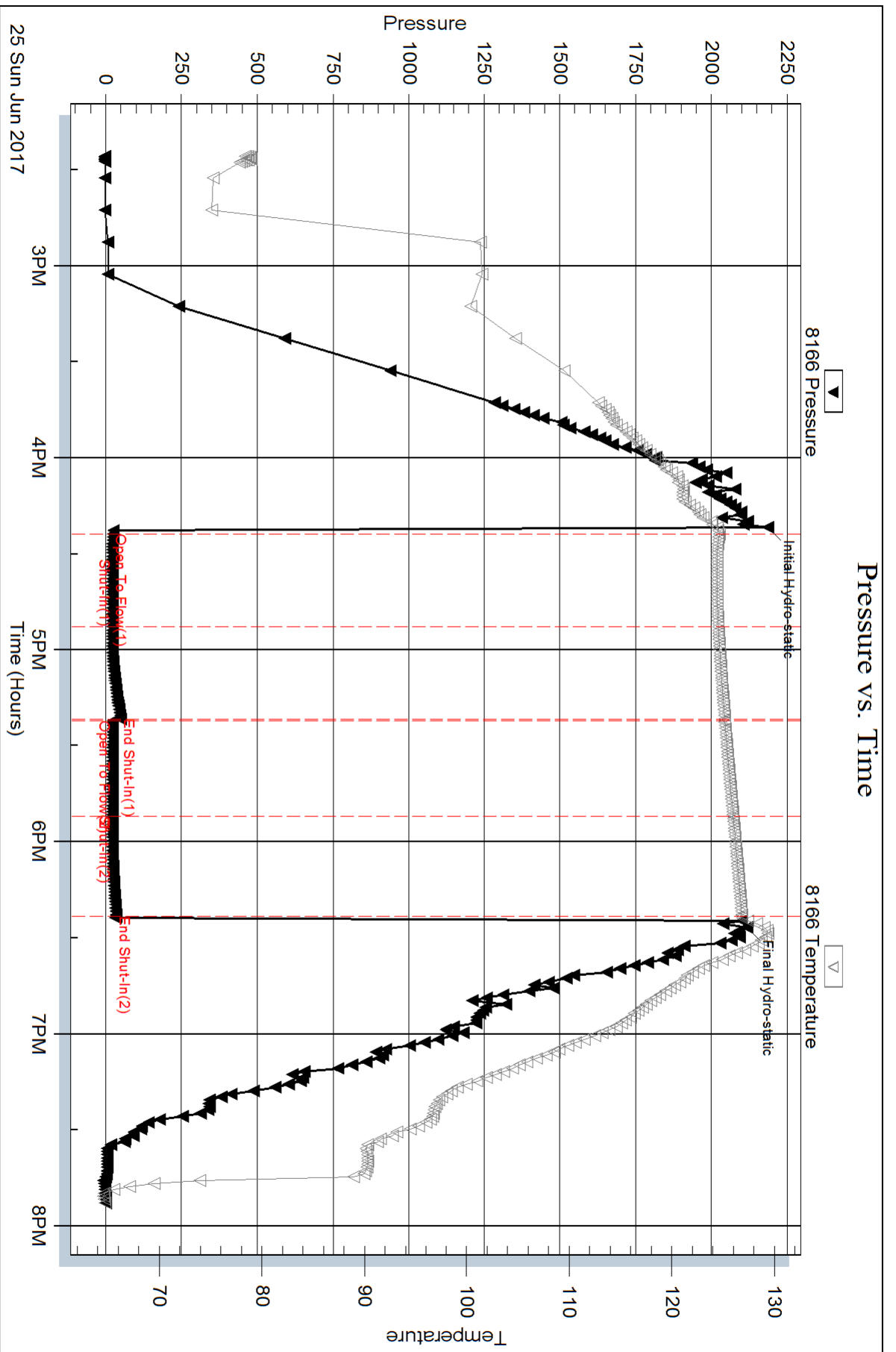
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



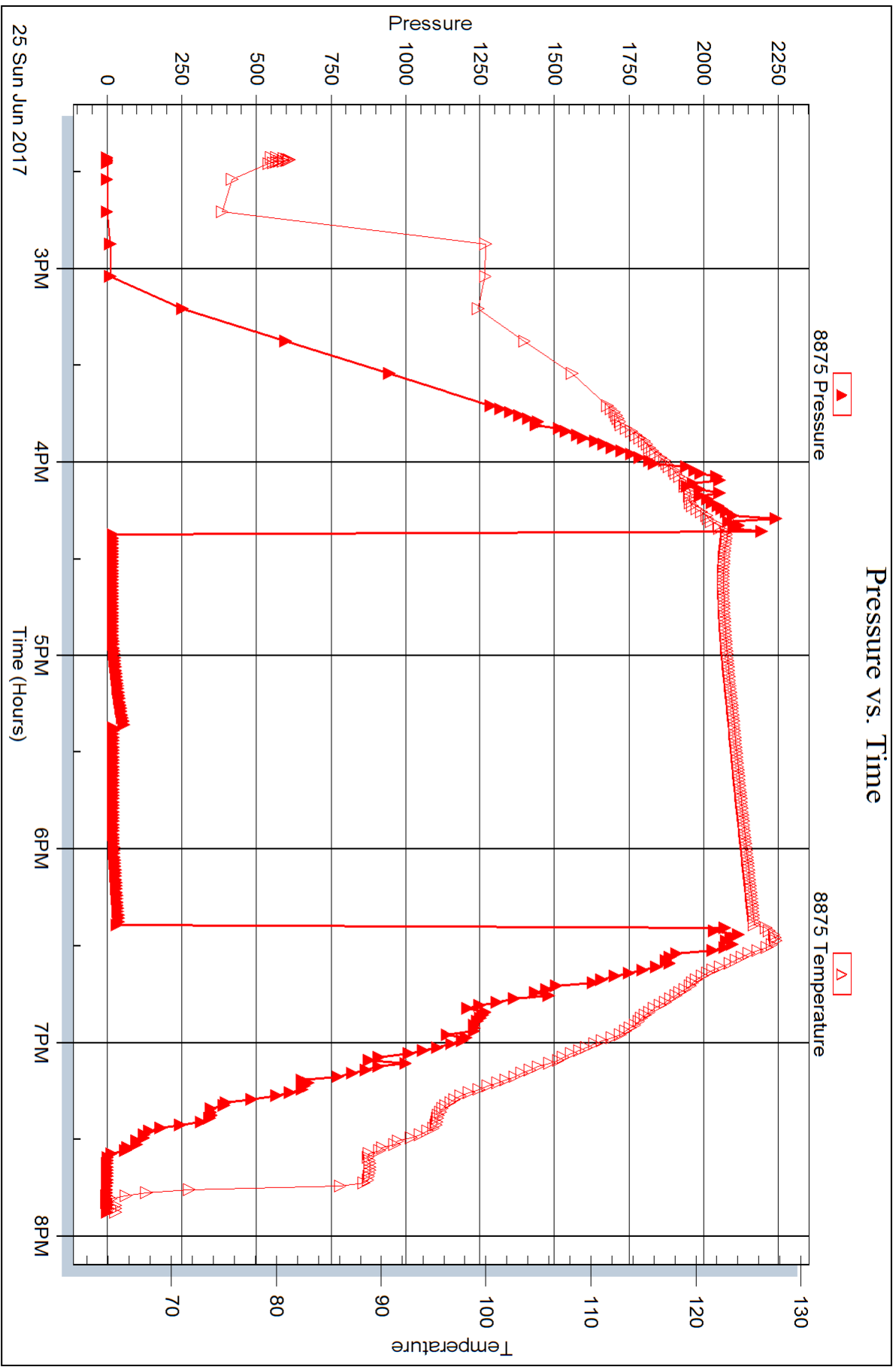
Serial #: 8875

Inside

Chizum Oil LLC

Quenzer #1-27

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC**

PO Box 123  
Andover, KS 67002

ATTN: Tim Priest

### **Quenzer #1-27**

#### **27-07s-37w Sherman,KS**

Start Date: 2017.06.26 @ 09:58:48

End Date: 2017.06.26 @ 16:34:18

Job Ticket #: 63821                      DST #: 2

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

Printed: 2017.06.30 @ 13:57:48





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
PO Box 123  
Andover, KS 67002  
ATTN: Tim Priest

**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
Job Ticket: 63821      **DST#: 2**  
Test Start: 2017.06.26 @ 09:58:48

## GENERAL INFORMATION:

Formation: **LKC L - Altamont A**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 11:52:18  
Time Test Ended: 16:34:18  
Interval: **4473.00 ft (KB) To 4550.00 ft (KB) (TVD)**  
Total Depth: 4550.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 3417.00 ft (KB)  
3412.00 ft (CF)  
KB to GR/CF: 5.00 ft

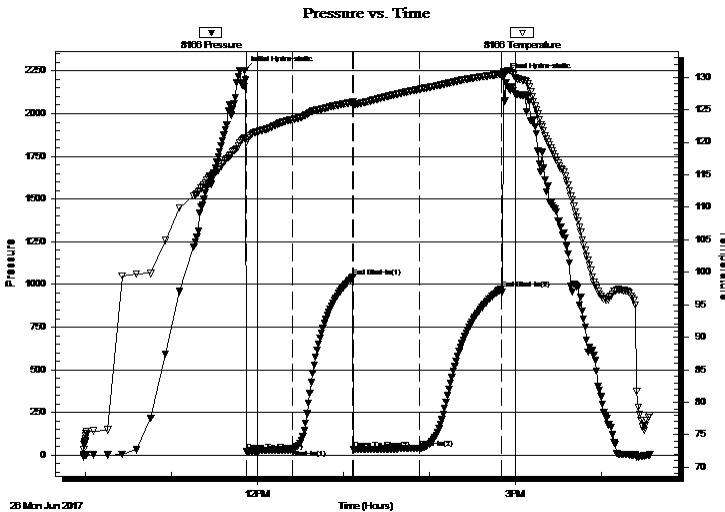
## Serial #: 8166

Outside

Press@RunDepth: 40.13 psig @ 4478.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2017.06.26      End Date: 2017.06.26      Last Calib.: 2017.06.26  
Start Time: 09:58:53      End Time: 16:34:17      Time On Btm: 2017.06.26 @ 11:51:18  
Time Off Btm: 2017.06.26 @ 14:51:48

TEST COMMENT: IF: 1/4" blow built to 1"  
IS: No return.  
FF: Surface blow built to 1/2"  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.39	120.65	Initial Hydro-static
1	23.56	120.01	Open To Flow (1)
34	33.62	123.49	Shut-In(1)
76	1042.31	126.15	End Shut-In(1)
76	34.77	125.86	Open To Flow (2)
122	40.13	128.14	Shut-In(2)
179	974.31	130.46	End Shut-In(2)
181	2210.15	130.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	ocm 5%o 95%m	0.10

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
PO Box 123  
Andover, KS 67002  
ATTN: Tim Priest

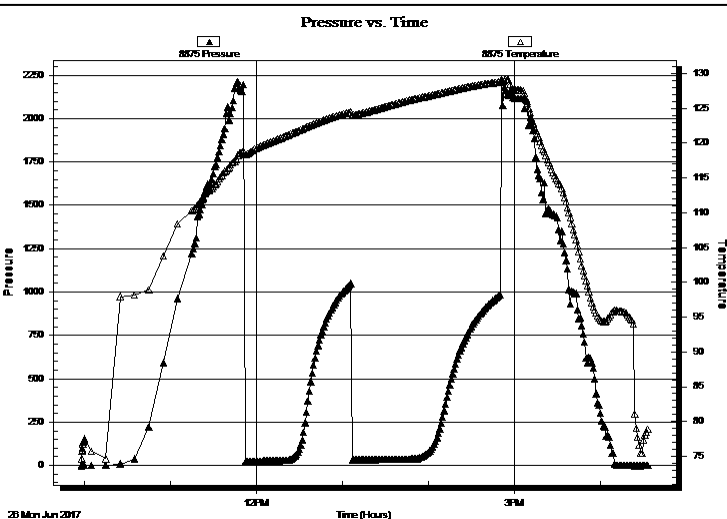
**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
Job Ticket: 63821 **DST#: 2**  
Test Start: 2017.06.26 @ 09:58:48

## GENERAL INFORMATION:

Formation: **LKC L - Altamont A**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:52:18  
Time Test Ended: 16:34:18  
Interval: **4473.00 ft (KB) To 4550.00 ft (KB) (TVD)**  
Total Depth: 4550.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 3417.00 ft (KB)  
3412.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8875** **Inside**  
Press@RunDepth: psig @ 4478.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2017.06.26 End Date: 2017.06.26 Last Calib.: 2017.06.26  
Start Time: 09:58:05 End Time: 16:33:29 Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 1"  
IS: No return.  
FF: Surface blow built to 1/2"  
FS: No return.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	ocm 5%o 95%m	0.10

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Chizum Oil LLC

**27-07s-37w Sherman,KS**

PO Box 123  
Andover, KS 67002

**Quenzer #1-27**

Job Ticket: 63821

**DST#: 2**

ATTN: Tim Priest

Test Start: 2017.06.26 @ 09:58:48

## Tool Information

Drill Pipe:	Length: 4348.00 ft	Diameter: 3.80 inches	Volume: 60.99 bbl	Tool Weight: 1500.00 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: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 61.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4473.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.00 ft			
Tool Length:	97.00 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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Stubb	1.00			4458.00	
Shut In Tool	5.00			4463.00	
Hydraulic tool	5.00			4468.00	
Packer	5.00			4473.00	16.00 Bottom Of Top Packer
Packer - Shale	4.00			4477.00	
Stubb	1.00			4478.00	
Recorder	0.00	8875	Inside	4478.00	
Recorder	0.00	8166	Outside	4478.00	
Perforations	5.00			4483.00	
Change Over Sub	1.00			4484.00	
Drill Pipe	64.00			4548.00	
Change Over Sub	1.00			4549.00	
Bullnose	5.00			4554.00	81.00 Anchor Tool

**Total Tool Length: 97.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Chizum Oil LLC  
 PO Box 123  
 Andover, KS 67002  
 ATTN: Tim Priest

**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
 Job Ticket: 63821      **DST#: 2**  
 Test Start: 2017.06.26 @ 09:58:48

**Mud and Cushion Information**

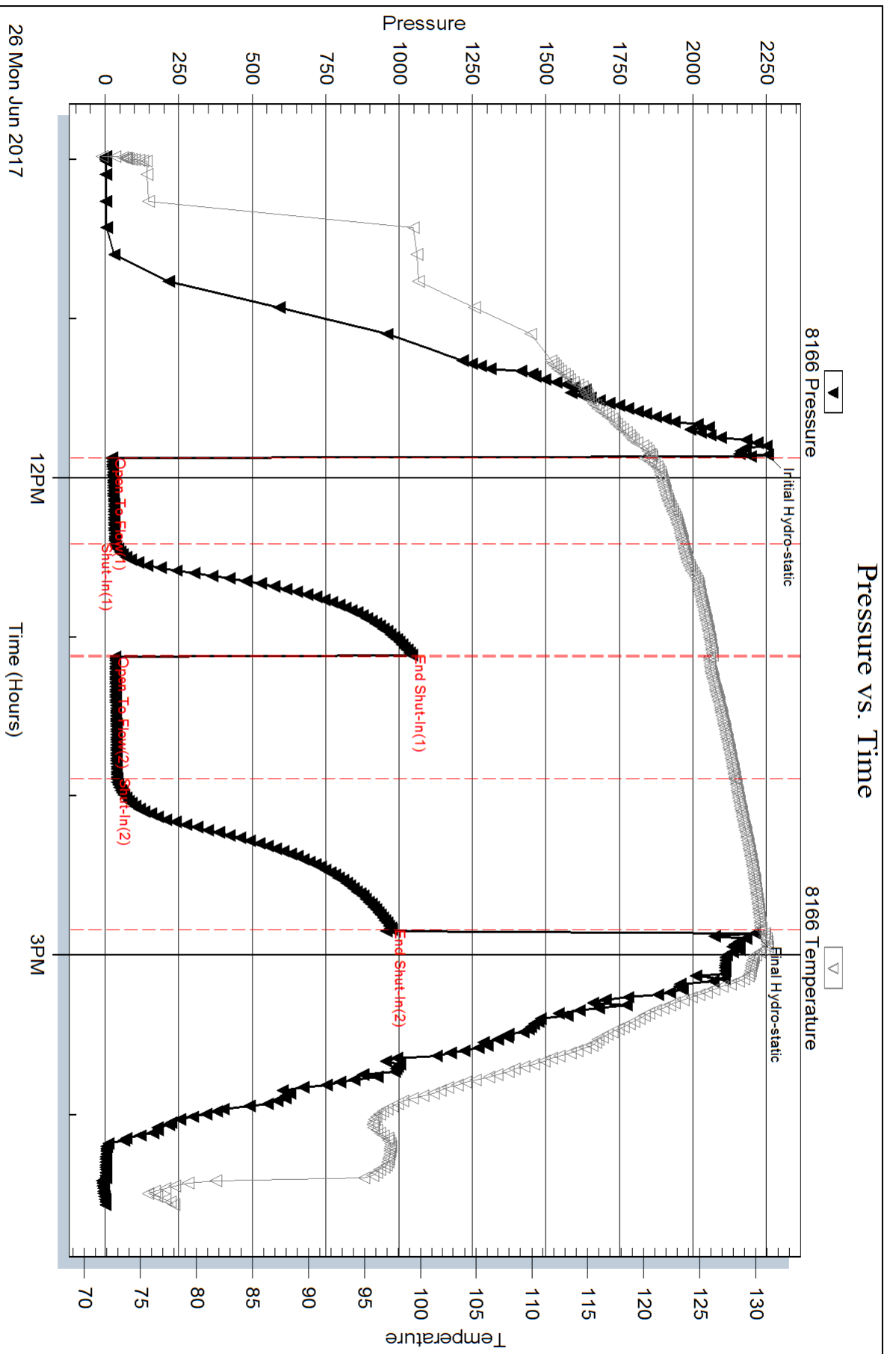
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
20.00	ocm 5%o 95%m	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



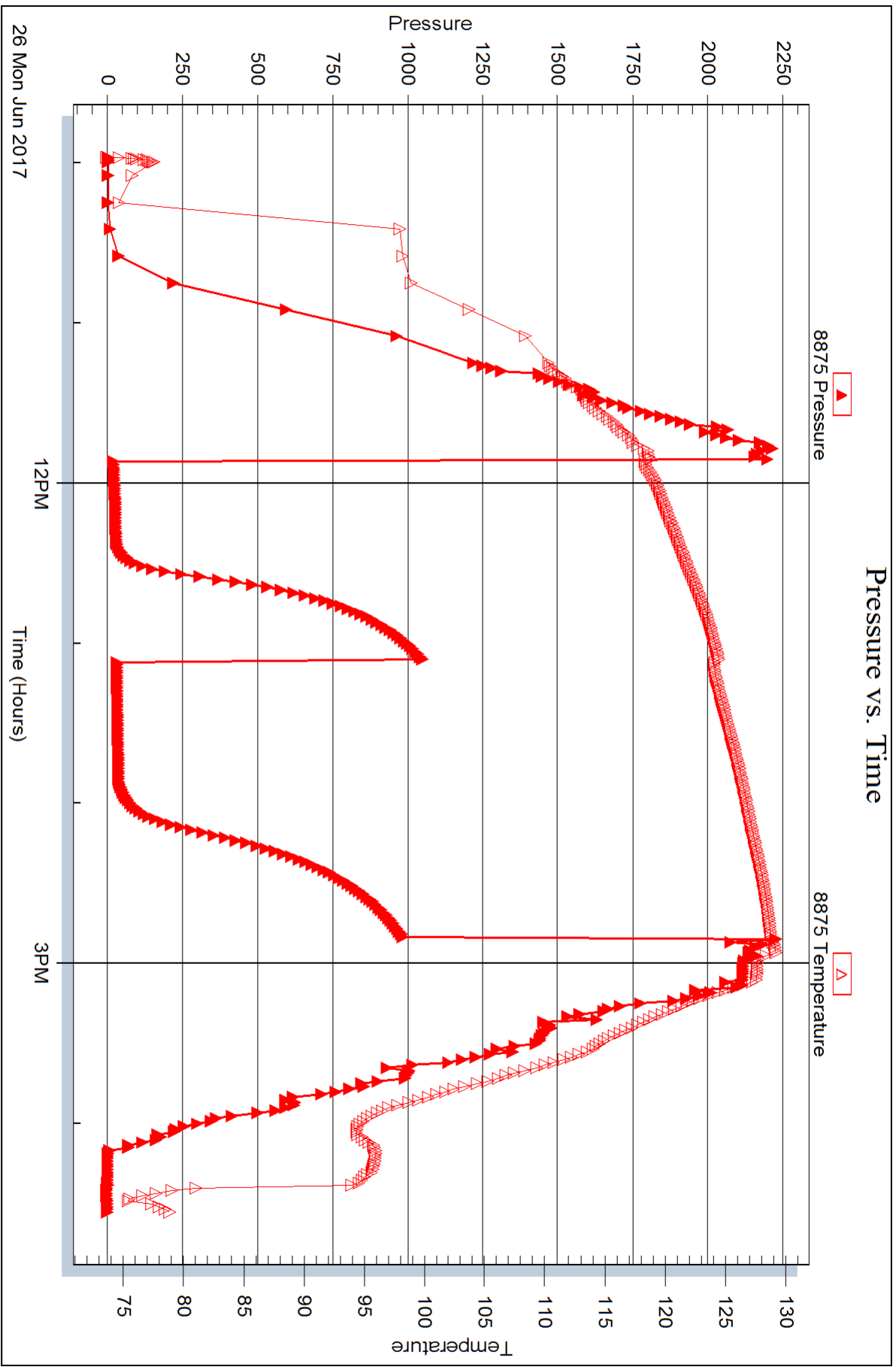
Serial #: 8875

Inside

Chizum Oil LLC

Quenzer #1-27

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63821

Printed: 2017.06.30 @ 13:57:49



## DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC**

PO Box 123  
Andover, KS 67002

ATTN: Tim Priest

### **Quenzer #1-27**

#### **27-07s-37w Sherman,KS**

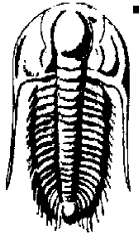
Start Date: 2017.06.27 @ 04:43:20

End Date: 2017.06.27 @ 13:58:20

Job Ticket #: 63822                      DST #: 3

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

Printed: 2017.06.30 @ 13:47:34



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 PO Box 123  
 Andover, KS 67002  
 ATTN: Tim Priest

**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
 Job Ticket: 63822 **DST#: 3**  
 Test Start: 2017.06.27 @ 04:43:20

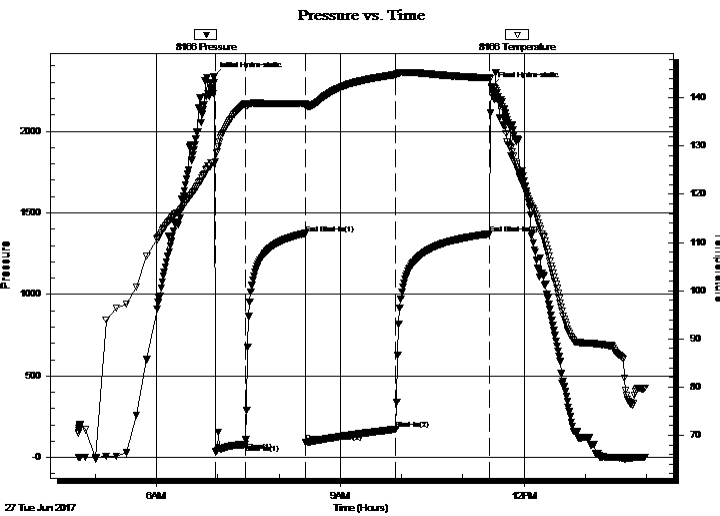
## GENERAL INFORMATION:

Formation: **Altamont B-C**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 06:57:20 Tester: Brandon Turley  
 Time Test Ended: 13:58:20 Unit No: 79  
 Interval: **4564.00 ft (KB) To 4600.00 ft (KB) (TVD)** Reference Elevations: 3417.00 ft (KB)  
 Total Depth: 4600.00 ft (KB) (TVD) 3412.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

## Serial #: 8166 Outside

Press@RunDepth: 174.13 psig @ 4569.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.06.27 End Date: 2017.06.27 Last Calib.: 2017.06.27  
 Start Time: 04:43:25 End Time: 13:58:20 Time On Btm: 2017.06.27 @ 06:55:50  
 Time Off Btm: 2017.06.27 @ 11:28:20

**TEST COMMENT:** IF: 1/4" blow built to 8"  
 IS: Surface blow built to 1/2" died in 40 min.  
 FF: BOB in 35 min.  
 FS: Surface blow built to 3/4"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.59	126.61	Initial Hydro-static
2	36.08	126.75	Open To Flow (1)
31	82.25	138.80	Shut-In(1)
90	1373.94	138.78	End Shut-In(1)
90	90.43	138.32	Open To Flow (2)
179	174.13	144.85	Shut-In(2)
271	1371.40	144.16	End Shut-In(2)
273	2274.78	142.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 90%w 10%m	0.69
179.00	mcw 70%w 30%m	2.51
41.00	go 10%g 90%o	0.58
0.00	221 GIP	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**

Chizum Oil LLC  
PO Box 123  
Andover, KS 67002  
ATTN: Tim Priest

**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
Job Ticket: 63822      **DST#: 3**  
Test Start: 2017.06.27 @ 04:43:20

## Tool Information

Drill Pipe:	Length: 4441.00 ft	Diameter: 3.80 inches	Volume: 62.30 bbl	Tool Weight: 1500.00 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: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 62.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4564.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	56.00 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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Stubb	1.00			4549.00	
Shut In Tool	5.00			4554.00	
Hydraulic tool	5.00			4559.00	
Packer	5.00			4564.00	16.00      Bottom Of Top Packer
Packer - Shale	4.00			4568.00	
Stubb	1.00			4569.00	
Recorder	0.00	8875	Inside	4569.00	
Recorder	0.00	8166	Outside	4569.00	
Perforations	30.00			4599.00	
Bullnose	5.00			4604.00	40.00      Anchor Tool
<b>Total Tool Length:</b>	<b>56.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Chizum Oil LLC

**27-07s-37w Sherman,KS**

PO Box 123  
Andover, KS 67002

**Quenzer #1-27**

Job Ticket: 63822

**DST#: 3**

ATTN: Tim Priest

Test Start: 2017.06.27 @ 04:43:20

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

68000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
126.00	mcw 90%w 10%m	0.693
179.00	mcw 70%w 30%m	2.511
41.00	go 10%g 90%o	0.575
0.00	221 GIP	0.000

Total Length: 346.00 ft

Total Volume: 3.779 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

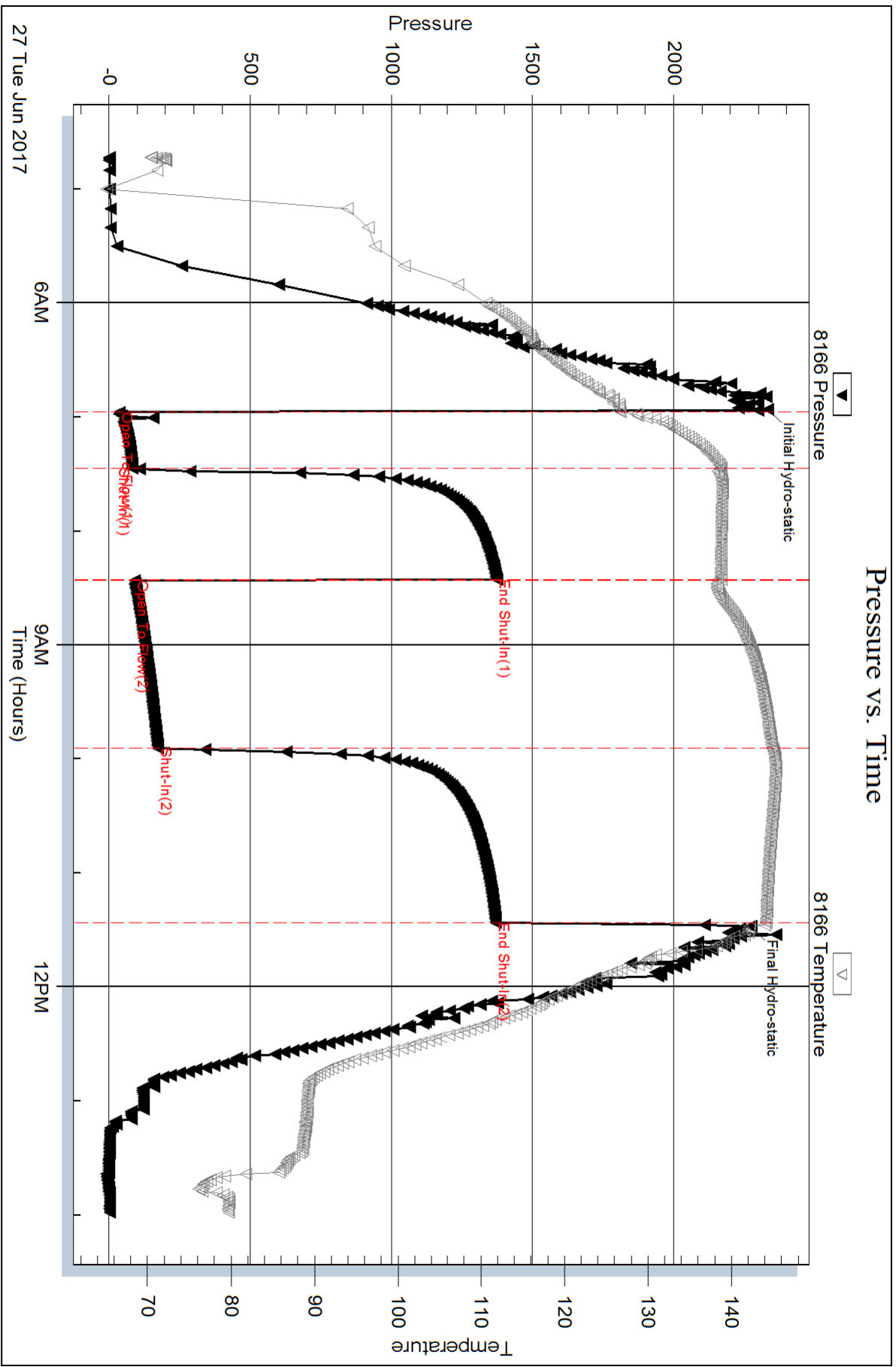
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 34@90=31

.09@88=68000



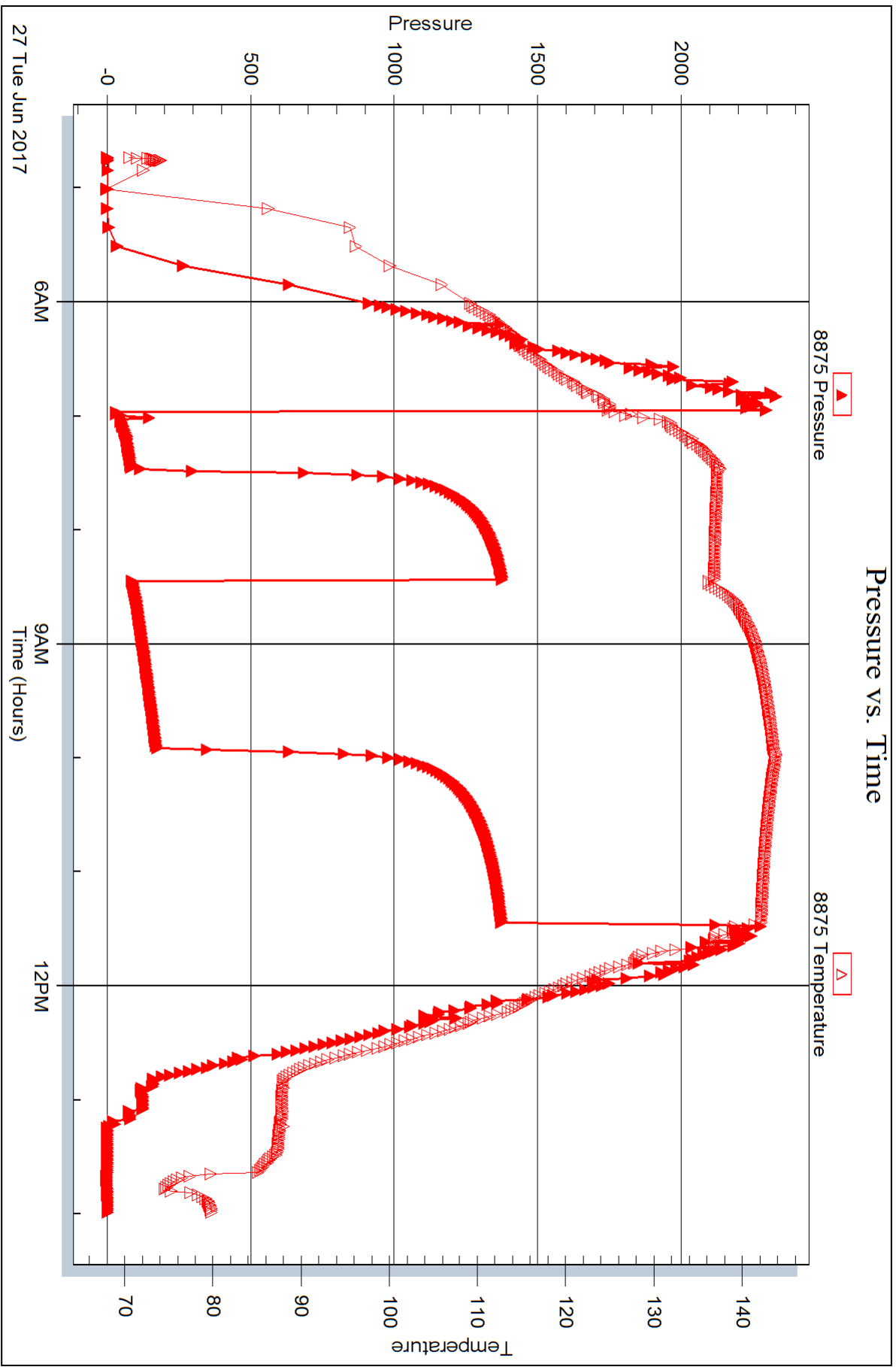
Serial #: 8875

Inside

Chizum Oil LLC

Quenzer #1-27

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 63822

Printed: 2017.06.30 @ 13:47:35



## DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC**

PO Box 123  
Andover, KS 67002

ATTN: Tim Priest

### **Quenzer #1-27**

#### **27-07s-37w Sherman,KS**

Start Date: 2017.06.27 @ 23:11:25

End Date: 2017.06.28 @ 05:52:55

Job Ticket #: 63823                      DST #: 4

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

Printed: 2017.06.30 @ 13:46:12



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 PO Box 123  
 Andover, KS 67002  
 ATTN: Tim Priest

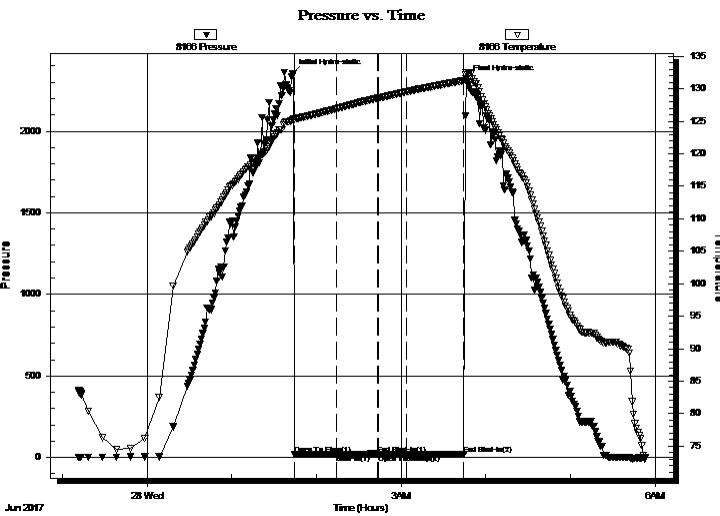
**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
 Job Ticket: 63823 **DST#: 4**  
 Test Start: 2017.06.27 @ 23:11:25

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:44:25  
 Time Test Ended: 05:52:55  
 Interval: **4605.00 ft (KB) To 4640.00 ft (KB) (TVD)**  
 Total Depth: 4640.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 3417.00 ft (KB)  
 3412.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8166 Outside**  
 Press@RunDepth: 20.10 psig @ 4610.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.06.27 End Date: 2017.06.28 Last Calib.: 2017.06.28  
 Start Time: 23:11:30 End Time: 05:52:54 Time On Btm: 2017.06.28 @ 01:42:55  
 Time Off Btm: 2017.06.28 @ 03:45:55

**TEST COMMENT:** IF: 1/4" blow died in 14 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2353.98	125.23	Initial Hydro-static
2	18.76	125.27	Open To Flow (1)
32	19.41	126.95	Shut-In(1)
61	21.88	128.56	End Shut-In(1)
61	18.24	128.59	Open To Flow (2)
81	20.10	129.53	Shut-In(2)
122	19.56	131.27	End Shut-In(2)
123	2318.46	132.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 PO Box 123  
 Andover, KS 67002  
 ATTN: Tim Priest

**27-07s-37w Sherman,KS**

**Quenzer #1-27**

Job Ticket: 63823 **DST#: 4**

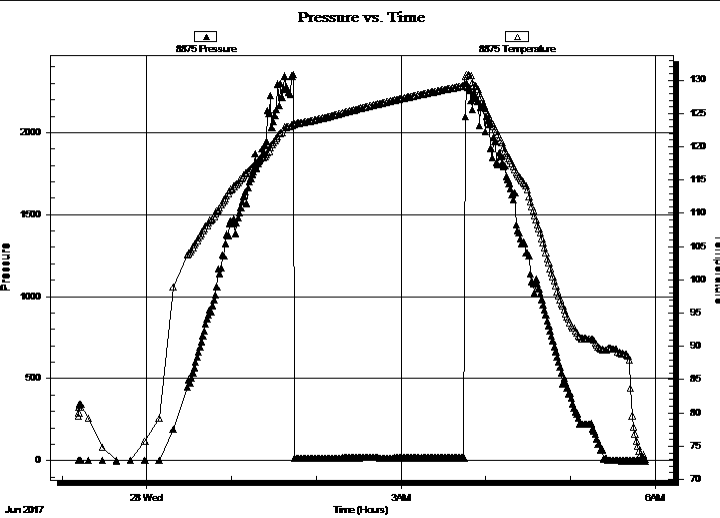
Test Start: 2017.06.27 @ 23:11:25

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 01:44:25 Tester: Brandon Turley  
 Time Test Ended: 05:52:55 Unit No: 79  
**Interval: 4605.00 ft (KB) To 4640.00 ft (KB) (TVD)** Reference Elevations: 3417.00 ft (KB)  
 Total Depth: 4640.00 ft (KB) (TVD) 3412.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

**Serial #: 8875** **Inside**  
 Press@RunDepth: psig @ 4610.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.06.27 End Date: 2017.06.28 Last Calib.: 2017.06.28  
 Start Time: 23:11:40 End Time: 05:53:04 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: 1/4" blow died in 14 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% <sub>m</sub>	0.02

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Chizum Oil LLC

**27-07s-37w Sherman,KS**

PO Box 123  
Andover, KS 67002

**Quenzer #1-27**

Job Ticket: 63823

**DST#: 4**

ATTN: Tim Priest

Test Start: 2017.06.27 @ 23:11:25

## Tool Information

Drill Pipe:	Length: 4474.00 ft	Diameter: 3.80 inches	Volume: 62.76 bbl	Tool Weight: 1500.00 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: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 63.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4605.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	55.00 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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Stubb	1.00			4590.00	
Shut In Tool	5.00			4595.00	
Hydraulic tool	5.00			4600.00	
Packer	5.00			4605.00	16.00 Bottom Of Top Packer
Packer - Shale	4.00			4609.00	
Stubb	1.00			4610.00	
Recorder	0.00	8875	Inside	4610.00	
Recorder	0.00	8166	Outside	4610.00	
Perforations	29.00			4639.00	
Bullnose	5.00			4644.00	39.00 Anchor Tool
<b>Total Tool Length:</b>	<b>55.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Chizum Oil LLC

**27-07s-37w Sherman,KS**

PO Box 123  
Andover, KS 67002

**Quenzer #1-27**

Job Ticket: 63823

**DST#: 4**

ATTN: Tim Priest

Test Start: 2017.06.27 @ 23:11:25

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

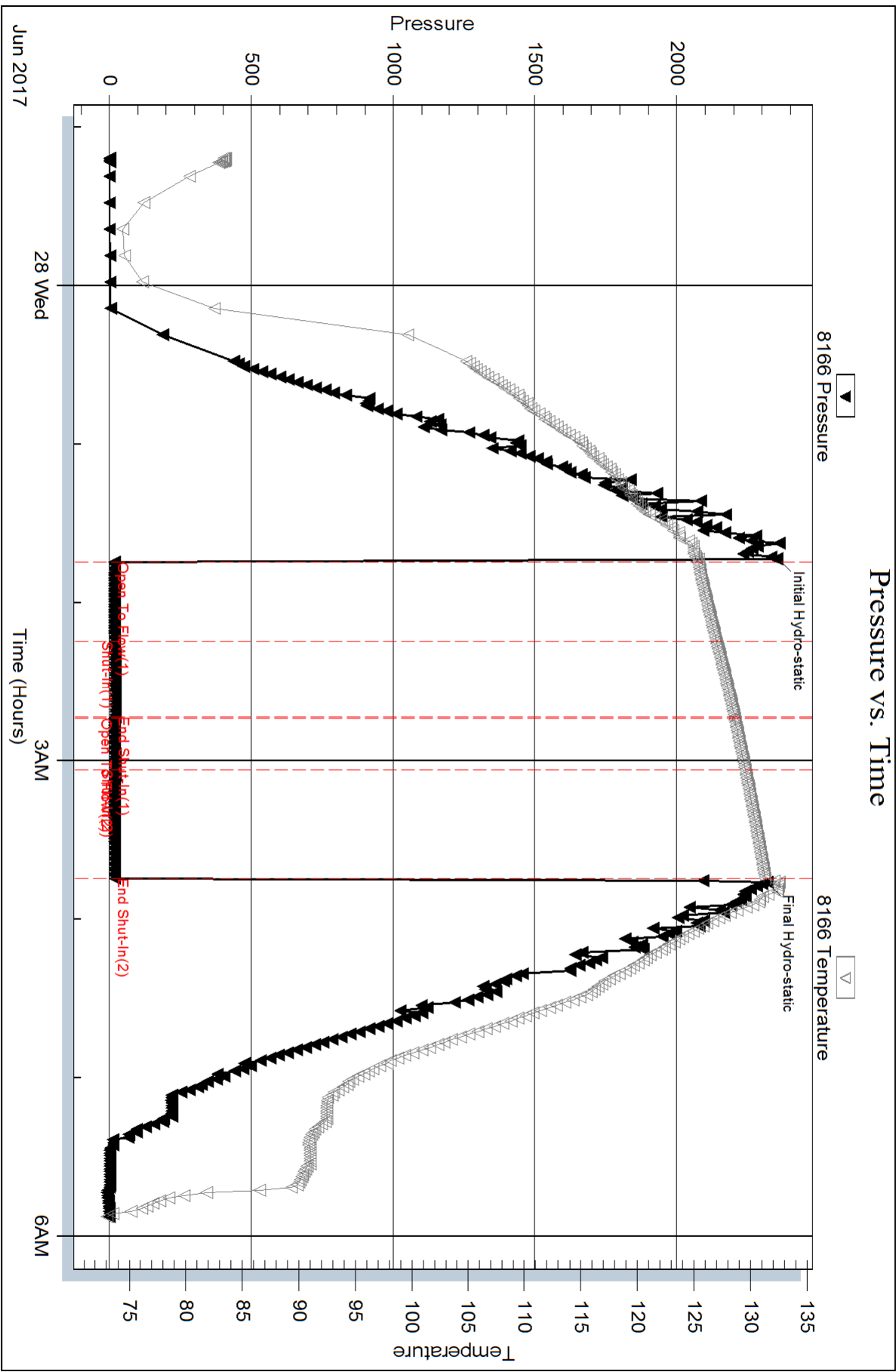
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



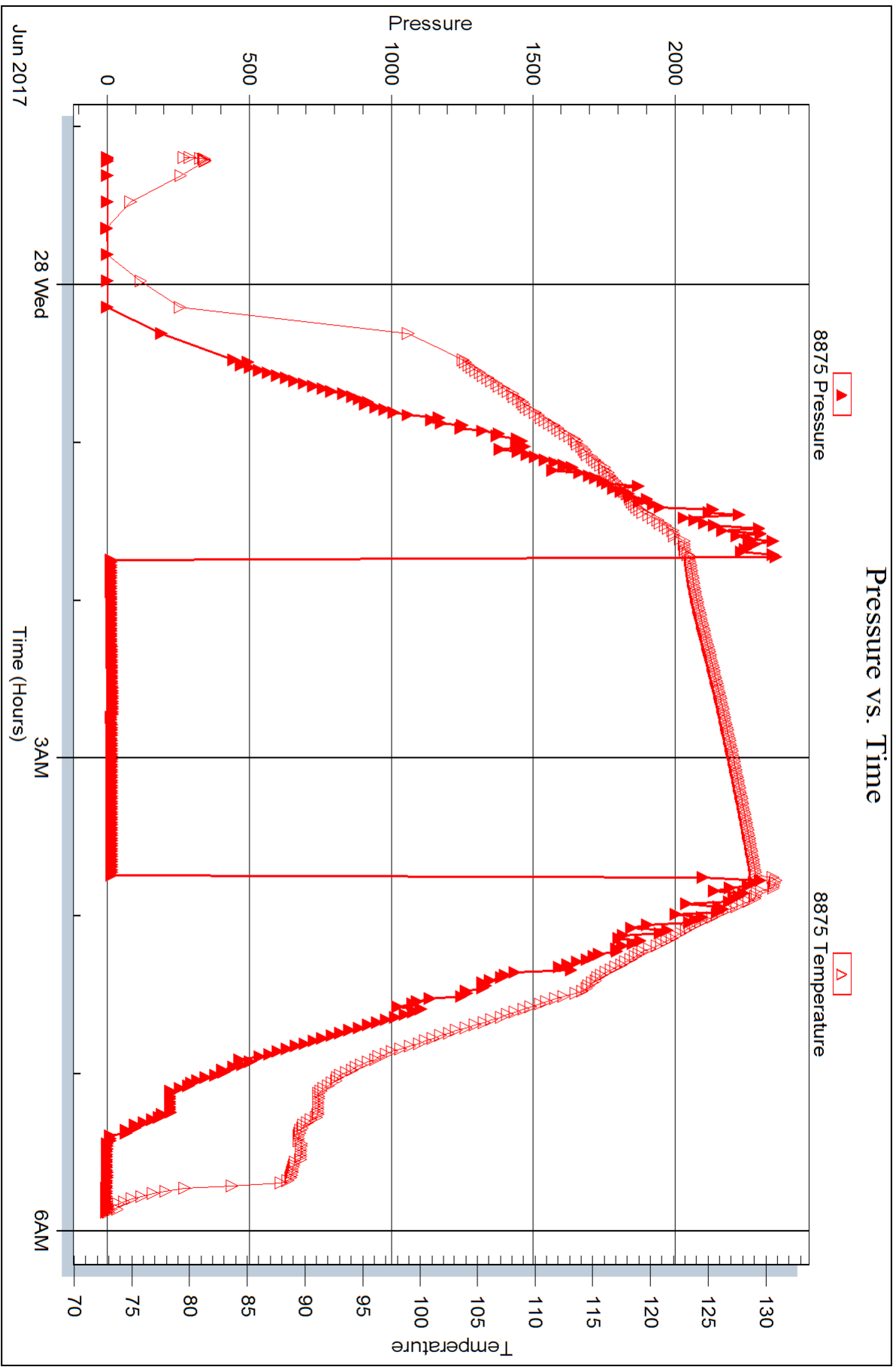
Serial #: 8875

Inside

Chizum Oil LLC

Quenzer #1-27

DST Test Number: 4





## DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC**

PO Box 123  
Andover, KS 67002

ATTN: Tim Priest

### **Quenzer #1-27**

#### **27-07s-37w Sherman,KS**

Start Date: 2017.06.28 @ 19:30:16

End Date: 2017.06.29 @ 02:33:16

Job Ticket #: 63824                      DST #: 5

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

Printed: 2017.06.30 @ 13:45:01



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

Chizum Oil LLC  
PO Box 123  
Andover, KS 67002  
ATTN: Tim Priest

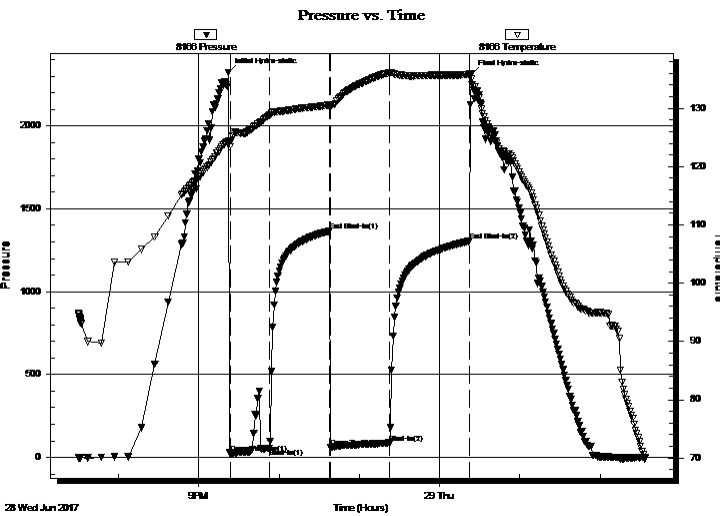
**27-07s-37w Sherman, KS**  
**Quenzer #1-27**  
Job Ticket: 63824      **DST#: 5**  
Test Start: 2017.06.28 @ 19:30:16

## GENERAL INFORMATION:

Formation: **Myric Station - Cher**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 21:23:46  
Time Test Ended: 02:33:16  
Interval: **4639.00 ft (KB) To 4725.00 ft (KB) (TVD)**  
Total Depth: 4725.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 3417.00 ft (KB)  
3412.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8166      Outside**  
Press@RunDepth: 87.27 psig @ 4644.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2017.06.28      End Date: 2017.06.29      Last Calib.: 2017.06.29  
Start Time: 19:30:21      End Time: 02:33:15      Time On Btm: 2017.06.28 @ 21:22:16  
Time Off Btm: 2017.06.29 @ 00:23:46

TEST COMMENT: IF: 1/4" blow built to 2 1/2"  
IS: No return.  
FF: Surface blow built to 1 3/4"  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2323.31	124.34	Initial Hydro-static
2	22.36	124.44	Open To Flow (1)
31	55.05	128.80	Shut-In(1)
76	1365.27	130.57	End Shut-In(1)
76	60.16	130.27	Open To Flow (2)
121	87.27	136.10	Shut-In(2)
180	1306.06	135.85	End Shut-In(2)
182	2312.43	134.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	mcw 90%w 10%m	0.61
30.00	w cm oil spots 5%w 95%m	0.42

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 PO Box 123  
 Andover, KS 67002  
 ATTN: Tim Priest

**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
 Job Ticket: 63824 **DST#: 5**  
 Test Start: 2017.06.28 @ 19:30:16

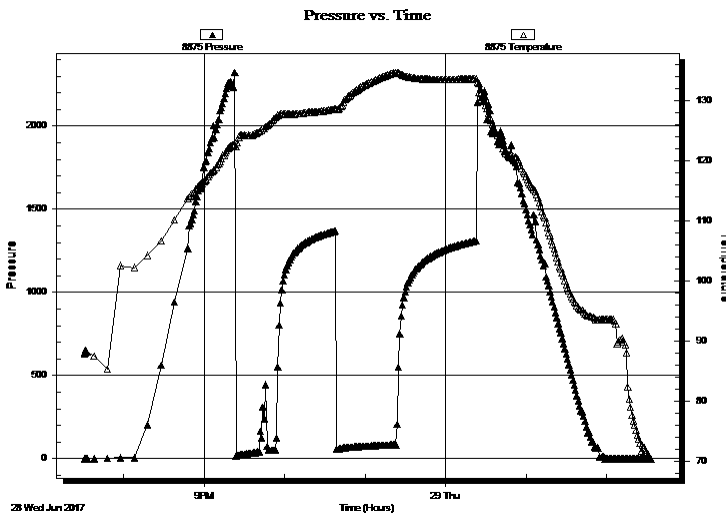
## GENERAL INFORMATION:

Formation: **Myric Station - Cher**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:23:46  
 Time Test Ended: 02:33:16  
**Interval: 4639.00 ft (KB) To 4725.00 ft (KB) (TVD)**  
 Total Depth: 4725.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 3417.00 ft (KB)  
 3412.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8875 Inside

Press@RunDepth: psig @ 4644.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.06.28 End Date: 2017.06.29 Last Calib.: 2017.06.29  
 Start Time: 19:30:49 End Time: 02:33:13 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 2 1/2"  
 IS: No return.  
 FF: Surface blow built to 1 3/4"  
 FS: No return.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	mcw 90%w 10%m	0.61
30.00	w cm oil spots 5%w 95%m	0.42

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Chizum Oil LLC  
PO Box 123  
Andover, KS 67002  
ATTN: Tim Priest

**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
Job Ticket: 63824      **DST#: 5**  
Test Start: 2017.06.28 @ 19:30:16

**Tool Information**

Drill Pipe:	Length: 4505.00 ft	Diameter: 3.80 inches	Volume: 63.19 bbl	Tool Weight: 1500.00 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: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 63.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4639.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	2	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>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Stubb	1.00			4624.00	
Shut In Tool	5.00			4629.00	
Hydraulic tool	5.00			4634.00	
Packer	5.00			4639.00	16.00      Bottom Of Top Packer
Packer - Shale	4.00			4643.00	
Stubb	1.00			4644.00	
Recorder	0.00	8875	Inside	4644.00	
Recorder	0.00	8166	Outside	4644.00	
Perforations	14.00			4658.00	
Change Over Sub	1.00			4659.00	
Drill Pipe	64.00			4723.00	
Change Over Sub	1.00			4724.00	
Bullnose	5.00			4729.00	90.00      Anchor Tool

**Total Tool Length: 106.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Chizum Oil LLC  
PO Box 123  
Andover, KS 67002  
ATTN: Tim Priest

**27-07s-37w Sherman,KS**  
**Quenzer #1-27**  
Job Ticket: 63824      **DST#: 5**  
Test Start: 2017.06.28 @ 19:30:16

## Mud and Cushion Information

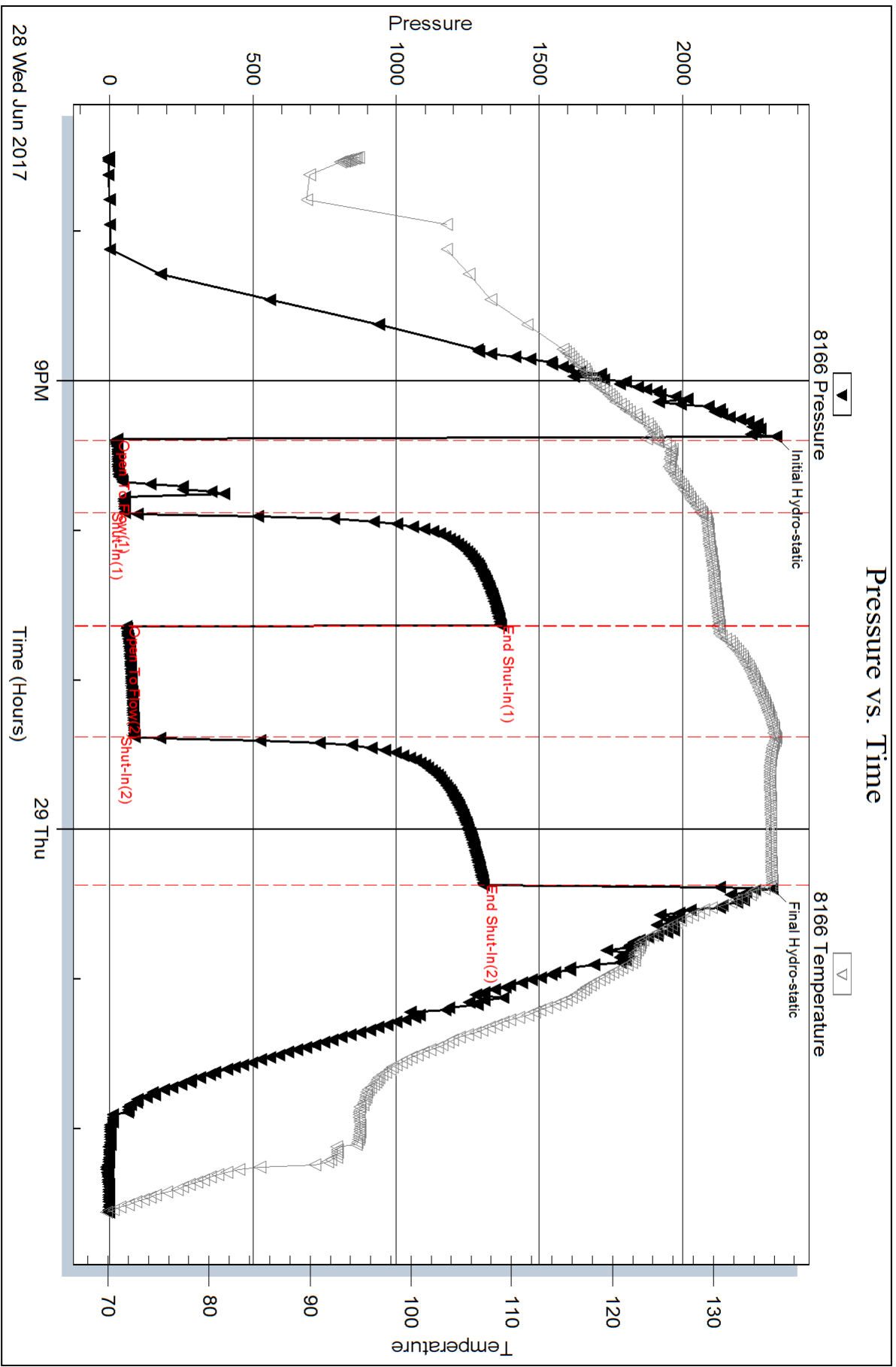
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 32000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 6200.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mcw 90%w 10%m	0.608
30.00	wcm oil spots 5%w 95%m	0.421

Total Length: 150.00 ft      Total Volume: 1.029 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: .25@60=32000



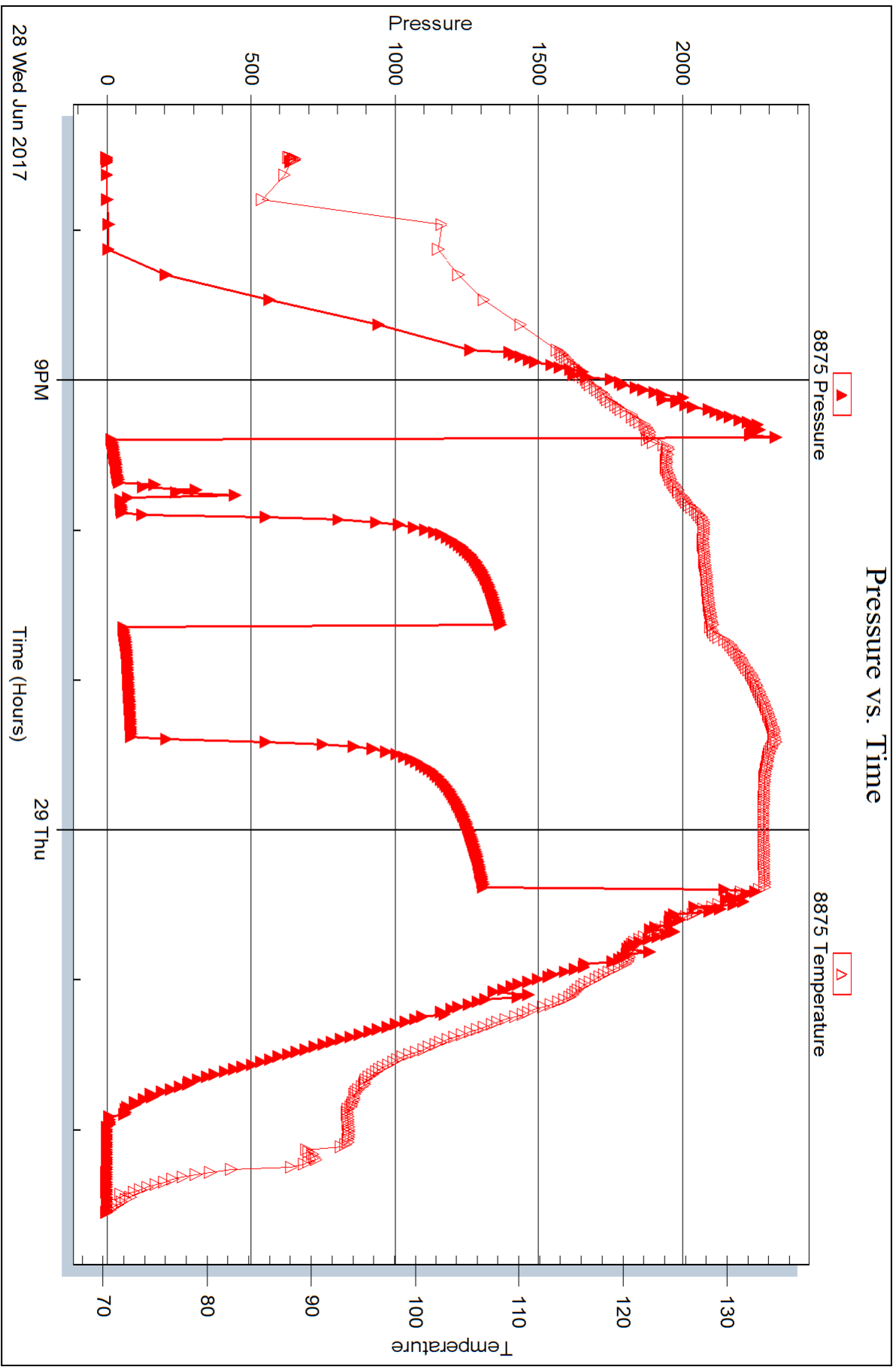
Serial #: 8875

Inside

Chizum Oil LLC

Quenzer #1-27

DST Test Number: 5





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **63820**

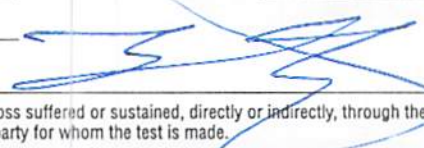
Well Name & No. Quezler 1-27 Test No. 1 Date 6-25-17  
 Company Chizum o.i LLC Elevation 3417 KB 3412 GL  
 Address P.O. Box 123 Andover, KS 67002  
 Co. Rep / Geo. Tim Priest Rig WW #2  
 Location: Sec. 27 Twp. 07 Rge. 37 Co. Sherman State KS

Interval Tested 4347 4430 Zone Tested HIT  
 Anchor Length 83 Drill Pipe Run 4223 Mud Wt. 8.9  
 Top Packer Depth 4342 Drill Collars Run 12B Vis 61  
 Bottom Packer Depth 4347 Wt. Pipe Run --- WL 8.8  
 Total Depth 4430 Chlorides 4000 ppm System LCM 1  
 Blow Description IF: 1/4 blow died in 10 min.  
IS: No return.  
FF: No blow.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 126 Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>2186</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>24</u>	<input type="checkbox"/> Jars	T-Started <u>14:25</u>
(C) First Final Flow <u>21</u>	<input type="checkbox"/> Safety Joint	T-Open <u>16:22</u>
(D) Initial Shut-In <u>50</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>18:22</u>
(E) Second Initial Flow <u>23</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:00</u>
(F) Second Final Flow <u>22</u>	<input checked="" type="checkbox"/> Mileage <u>200</u> 150	Comments <u>out of town</u>
(G) Final Shut-In <u>34</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2116</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1550</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1550</u>	

Approved By \_\_\_\_\_ Our Representative 

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. **63821**

Well Name & No. Quemner 1-27 Test No. 2 Date 6-26-17  
 Company Chizum oil LLC Elevation 3417 KB 3412 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Tim Priest Rig WW #2  
 Location: Sec. 27 Twp. 07 Rge. 37 Co. Sherman State KS

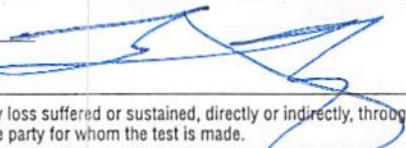
Interval Tested 4473 4550 Zone Tested L & Altamont A  
 Anchor Length 77 Drill Pipe Run 4348 Mud Wt. 9.1  
 Top Packer Depth 4468 Drill Collars Run 118 Vis 63  
 Bottom Packer Depth 4473 Wt. Pipe Run — WL 8.0  
 Total Depth 4550 Chlorides 4400 ppm System LCM 2

Blow Description IF: 1/4 blow built to 1,  
IS: NO return.  
FF: surface blow built to 1/2,  
FS: NO return.

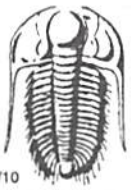
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>6cm</u>		<u>5</u>		<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 130 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2253  Test 1150 T-On Location 9:30  
 (B) First Initial Flow 23  Jars \_\_\_\_\_ T-Started 9:58  
 (C) First Final Flow 33  Safety Joint \_\_\_\_\_ T-Open 11:51  
 (D) Initial Shut-In 1042  Circ Sub NIC T-Pulled 14:51  
 (E) Second Initial Flow 34  Hourly Standby \_\_\_\_\_ T-Out 16:35  
 (F) Second Final Flow 40  Mileage 200~ 150 Comments out of town  
 (G) Final Shut-In 974  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2210  Straddle 250  Ruined Shale Packer 350  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 350  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1900  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1550

Approved By \_\_\_\_\_ Our Representative 

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. **63822**

4/10

Well Name & No. Quenzer 1-27 Test No. 3 Date 6-27-17  
 Company Chizum oil LLC Elevation 3417 KB 3412 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Tim Priest Rig WW #2  
 Location: Sec. 27 Twp. 07 Rge. 37 Co. Sherman State KS

Interval Tested 4564 4600 Zone Tested Altamont B-C  
 Anchor Length 36 Drill Pipe Run 4441 Mud Wt. 9.1  
 Top Packer Depth 4559 Drill Collars Run 118 Vis 63  
 Bottom Packer Depth 4564 Wt. Pipe Run — WL 8.0  
 Total Depth 4600 Chlorides 4400 ppm System LCM 2  
 Blow Description IF: 1/4 blow built to 8,  
IS: Surface blow built to 1/2 died in 40 min.  
FF: BoB in 35 min  
FSI surface blow built to 3/4,

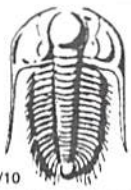
Rec	Feet of	%gas	%oil	%water	%mud
<u>41</u>	<u>90</u>	<u>10</u>	<u>90</u>		
<u>179</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
<u>126</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	
<u>221</u>	<u>GIP</u>				

Rec Total 346 BHT 144 Gravity 31 API RW .09 @ 88 °F Chlorides 68,000 ppm

(A) Initial Hydrostatic <u>2332</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>4:20</u>
(B) First Initial Flow <u>36</u>	<input type="checkbox"/> Jars _____	T-Started <u>4:43</u>
(C) First Final Flow <u>82</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>6:57</u>
(D) Initial Shut-In <u>1373</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>10:27</u>
(E) Second Initial Flow <u>90</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>14:00</u>
(F) Second Final Flow <u>174</u>	<input checked="" type="checkbox"/> Mileage <u>200</u> 150	Comments <u>out of town</u>
(G) Final Shut-In <u>1371</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2274</u>	<input type="checkbox"/> Straddle _____	
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
Final Flow <u>80</u>	<input type="checkbox"/> Accessibility _____	Total <u>1550</u>
Final Shut-In <u>90</u>		MP/DST Disc't _____
	Sub Total <u>1550</u>	

Approved By \_\_\_\_\_ Our Representative

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. **63823**

Well Name & No. Quenzer 1-27 Test No. 4 Date 6-27-17  
 Company Chizum oil LLC Elevation 3417 KB 3412 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Tim Priest Rig WW #2  
 Location: Sec. 27 Twp. 07 Rge. 37 Co. Sherman State KS

Interval Tested 4605 4640 Zone Tested Pawnee  
 Anchor Length \_\_\_\_\_ 35 Drill Pipe Run 4474 Mud Wt. 9.3  
 Top Packer Depth \_\_\_\_\_ 4600 Drill Collars Run 118 Vis 57  
 Bottom Packer Depth \_\_\_\_\_ 4605 Wt. Pipe Run \_\_\_\_\_ WL 9.6  
 Total Depth \_\_\_\_\_ 4640 Chlorides 6000 ppm System LCM 2

Blow Description IF: 1/4 blow died in 14 min.  
IS: No return.  
FF: No blow.  
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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	Feet of	%gas	%oil	%water	%mud

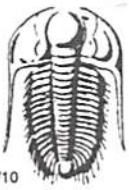
Rec Total 5 BHT 131 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2353  Test 1150 T-On Location 22:15  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 23:11  
 (C) First Final Flow 19  Safety Joint \_\_\_\_\_ T-Open 1:44  
 (D) Initial Shut-In 21  Circ Sub NIL T-Pulled 3:44  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 5:55  
 (F) Second Final Flow 20  Mileage 200 - 150 Comments out of town  
 (G) Final Shut-In 19  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2318  Straddle \_\_\_\_\_  Ruined Shale Packer 350

Initial Open 30  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_  
 Sub Total 1550  Accessibility \_\_\_\_\_  
 Total 1900 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **63824**

Well Name & No. Quenzer 1-27 Test No. 5 Date 6-28-17  
 Company Chizum Oil LLC Elevation 3417 KB 3412 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Tim Priest Rig WW #2  
 Location: Sec. 27 Twp. 07 Rge. 37 Co. Sherman State KS

Interval Tested 4639 4725 Zone Tested MS-FS-CK  
 Anchor Length 86 Drill Pipe Run 4505 Mud Wt. 9.3  
 Top Packer Depth 4634 Drill Collars Run 118 Vis 56  
 Bottom Packer Depth 4639 Wt. Pipe Run — WL 8.8  
 Total Depth 4725 Chlorides 6200 ppm System LCM 1

Blow Description IF: 1/4 blow built to 2 1/2,  
IS: No return.  
FF: Surface blow built to 1 3/4,  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>wcm oil spots</u>		<u>5</u>	<u>95</u>	
<u>120</u>	<u>MLW</u>		<u>90</u>	<u>10</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 135 Gravity — API RW .25 @ 60 °F Chlorides 32,000 ppm

(A) Initial Hydrostatic 2323  Test 1150 T-On Location 18:45  
 (B) First Initial Flow 22  Jars \_\_\_\_\_ T-Started 19:30  
 (C) First Final Flow 55  Safety Joint \_\_\_\_\_ T-Open 21:23  
 (D) Initial Shut-In 1365  Circ Sub NIL T-Pulled 00:23  
 (E) Second Initial Flow 60  Hourly Standby \_\_\_\_\_ T-Out 2:35  
 (F) Second Final Flow 87  Mileage 200 300 Comments out of town  
 (G) Final Shut-In 1306  Sampler \_\_\_\_\_ loaded tools 6/29 12:45  
 (H) Final Hydrostatic 2312  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  Shale Packer 250 Sub Total 0  
 Extra Packer \_\_\_\_\_ Total 1700  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Flow 45  
 Final Shut-In 60  
 Sub Total 1700

Approved By \_\_\_\_\_ Our Representative

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