



DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.22 @ 21:54:00

End Date: 2019.07.23 @ 05:20:52

Job Ticket #: 64665 DST #: 1

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

Printed: 2019.07.29 @ 17:18:02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64665

DST#: 1

Test Start: 2019.07.22 @ 21:54:00

GENERAL INFORMATION:

Formation: **Toronto - LKC B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:11:02

Time Test Ended: 05:20:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 4183.00 ft (KB) To 4280.00 ft (KB) (TVD)

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4280.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 338.24 psig @ 4184.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.22

End Date:

2019.07.23

Last Calib.:

2019.07.23

Start Time: 21:54:01

End Time:

05:20:52

Time On Btm:

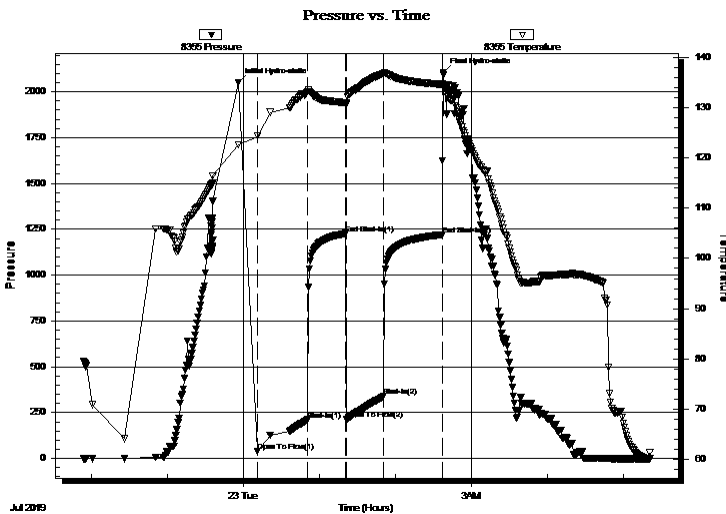
2019.07.22 @ 23:56:02

Time Off Btm:

2019.07.23 @ 02:37:52

TEST COMMENT: 30-IF-3/4" Blow @ open BOB @ 10 mins Built to 30 1/4"
30-ISI-No blow back
30-FF-BOB @ 14 mins Built to 25 1/4"
45-FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.66	122.69	Initial Hydro-static
15	39.17	124.32	Open To Flow (1)
55	211.48	133.25	Shut-In(1)
85	1227.10	131.01	End Shut-In(1)
86	212.30	130.75	Open To Flow (2)
115	338.24	136.83	Shut-In(2)
161	1220.99	134.63	End Shut-In(2)
162	2105.63	134.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	VSOCMW 3%O, 51%W, 46%M	1.54
510.00	MW 95%W 5%M	7.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64665 **DST#: 1**
Test Start: 2019.07.22 @ 21:54:00

Tool Information

Drill Pipe:	Length: 4062.00 ft	Diameter: 3.80 inches	Volume: 56.98 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume: 57.59 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	4183.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	97.00 ft				
Tool Length:	118.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4163.00	
Shut In Tool	5.00			4168.00	
Hydraulic tool	5.00		Inside	4173.00	
Packer	5.00			4178.00	21.00 Bottom Of Top Packer
Packer	5.00			4183.00	
Packer - Shale	0.00			4183.00	
Stubb	1.00			4184.00	
Recorder	0.00	8355	Outside	4184.00	
Recorder	0.00	8645	Inside	4184.00	
Perforations	28.00			4212.00	
Change Over Sub	1.00			4213.00	
Drill Pipe	63.00			4276.00	
Change Over Sub	1.00			4277.00	
Bullnose	3.00			4280.00	97.00 Bottom Packers & Anchor

Total Tool Length: 118.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil **26-7s-37w Sherman,KS**
 PO Box 75615 **LHR #1-26P**
 Wichita KS 67275 Job Ticket: 64665 **DST#: 1**
 ATTN: Tim Priest Test Start: 2019.07.22 @ 21:54:00

Mud and Cushion Information

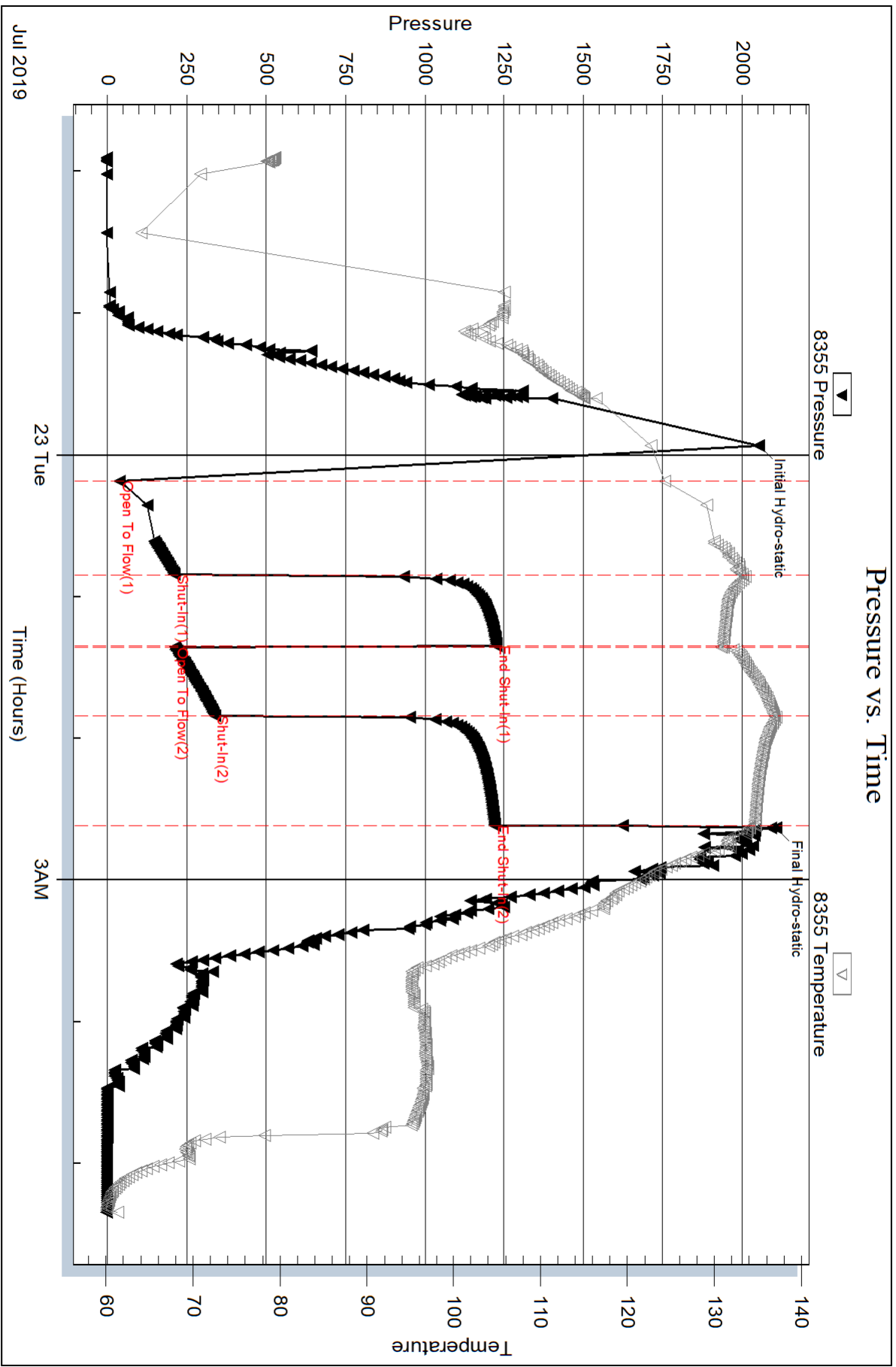
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 76.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	VSOCMW 3%O, 51%W, 46%M	1.536
510.00	MW 95%W 5%M	7.154

Total Length: 700.00 ft Total Volume: 8.690 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



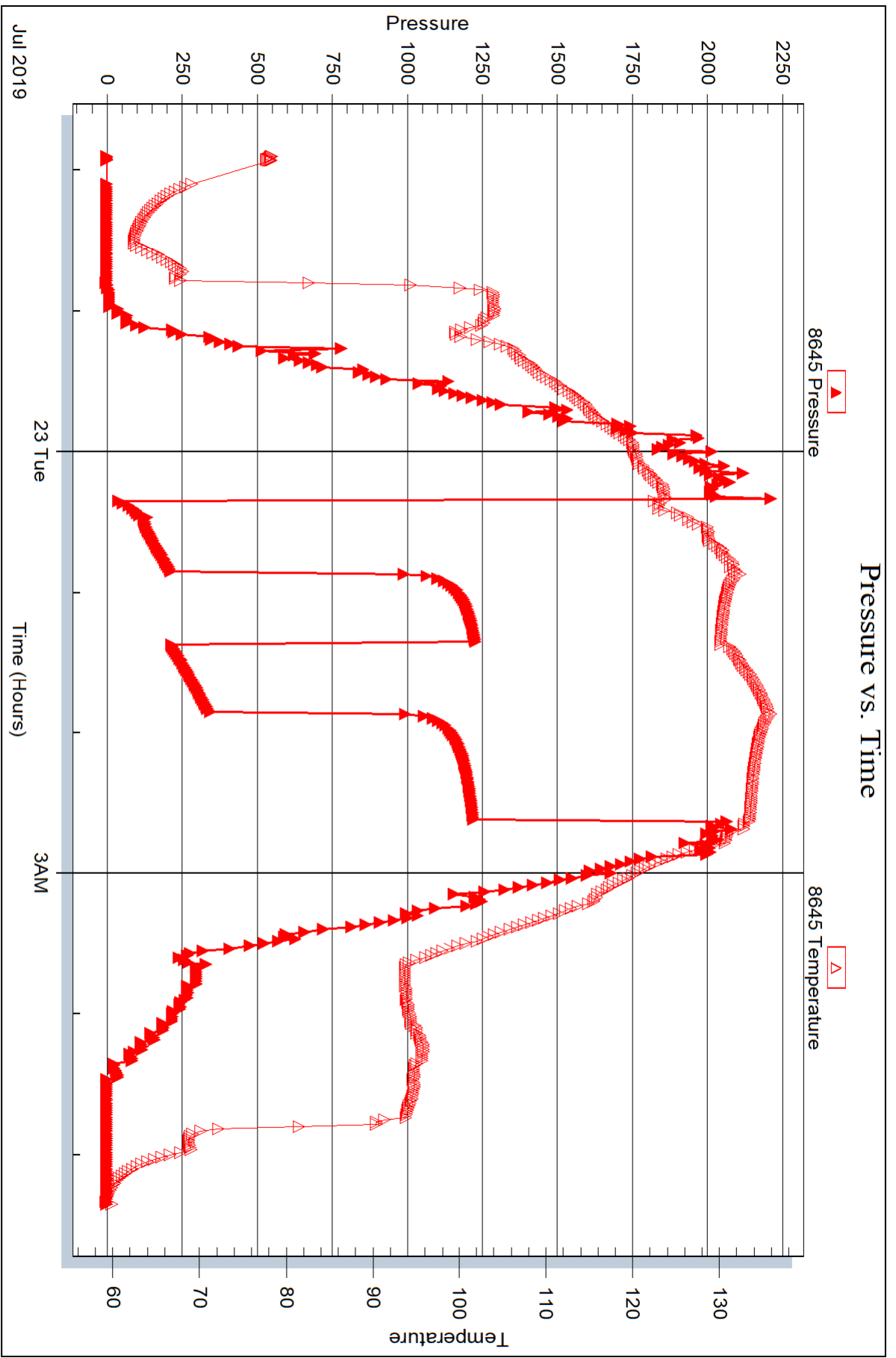
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64665

Printed: 2019.07.29 @ 17:18:04



DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.23 @ 20:37:00

End Date: 2019.07.24 @ 02:58:50

Job Ticket #: 64666 DST #: 2

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

Printed: 2019.07.29 @ 17:15:19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
 Job Ticket: 64666 **DST#: 2**
 Test Start: 2019.07.23 @ 20:37:00

GENERAL INFORMATION:

Formation: **KC H- J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:59:30
 Time Test Ended: 02:58:50
 Interval: **4381.00 ft (KB) To 4448.00 ft (KB) (TVD)**
 Total Depth: 4448.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shawn Wheelbarger
 Unit No: 76
 Reference Elevations: 3434.00 ft (KB)
 3429.00 ft (CF)
 KB to GR/CF: 5.00 ft

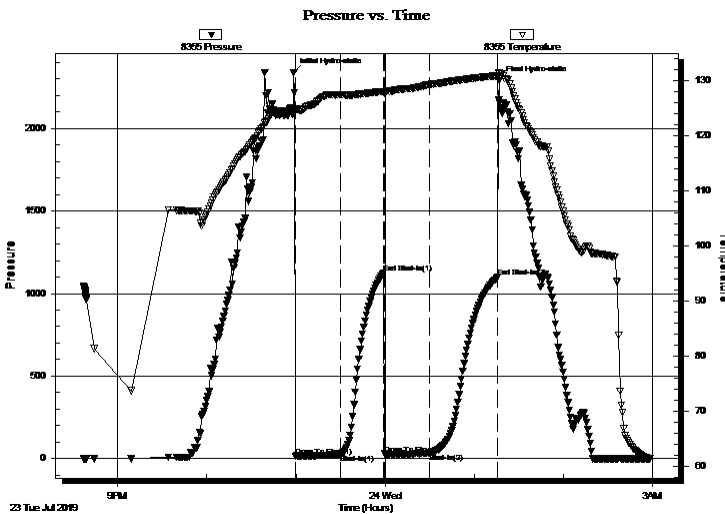
Serial #: 8355

Outside

Press@RunDepth: 31.68 psig @ 4382.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.23 End Date: 2019.07.24 Last Calib.: 2019.07.24
 Start Time: 20:37:01 End Time: 02:58:50 Time On Btm: 2019.07.23 @ 22:58:30
 Time Off Btm: 2019.07.24 @ 01:16:50

TEST COMMENT: 30-IF-Weak surface blow built to 1"
 30-ISI-No blow back
 30-FF-surface blow
 45-FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2339.54	124.72	Initial Hydro-static
1	14.40	124.43	Open To Flow (1)
32	23.61	127.45	Shut-In(1)
61	1127.85	128.01	End Shut-In(1)
61	28.12	127.56	Open To Flow (2)
92	31.68	129.24	Shut-In(2)
138	1098.50	130.85	End Shut-In(2)
139	2289.03	131.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM, 24%O, 76%M	0.25

* 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
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64666 **DST#: 2**
Test Start: 2019.07.23 @ 20:37:00

Tool Information

Drill Pipe:	Length: 4253.00 ft	Diameter: 3.80 inches	Volume: 59.66 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 60.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4381.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	88.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4361.00	
Shut In Tool	5.00			4366.00	
Hydraulic tool	5.00		Inside	4371.00	
Packer	5.00			4376.00	21.00 Bottom Of Top Packer
Packer	5.00			4381.00	
Packer - Shale	0.00			4381.00	
Stubb	1.00			4382.00	
Recorder	0.00	8355	Outside	4382.00	
Recorder	0.00	8645	Inside	4382.00	
Perforations	29.00			4411.00	
Change Over Sub	1.00			4412.00	
Drill Pipe	32.00			4444.00	
Change Over Sub	1.00			4445.00	
Bullnose	3.00			4448.00	67.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil **26-7s-37w Sherman,KS**
 PO Box 75615 **LHR #1-26P**
 Wichita KS 67275 Job Ticket: 64666 **DST#: 2**
 ATTN: Tim Priest Test Start: 2019.07.23 @ 20:37:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34.3 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 67.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

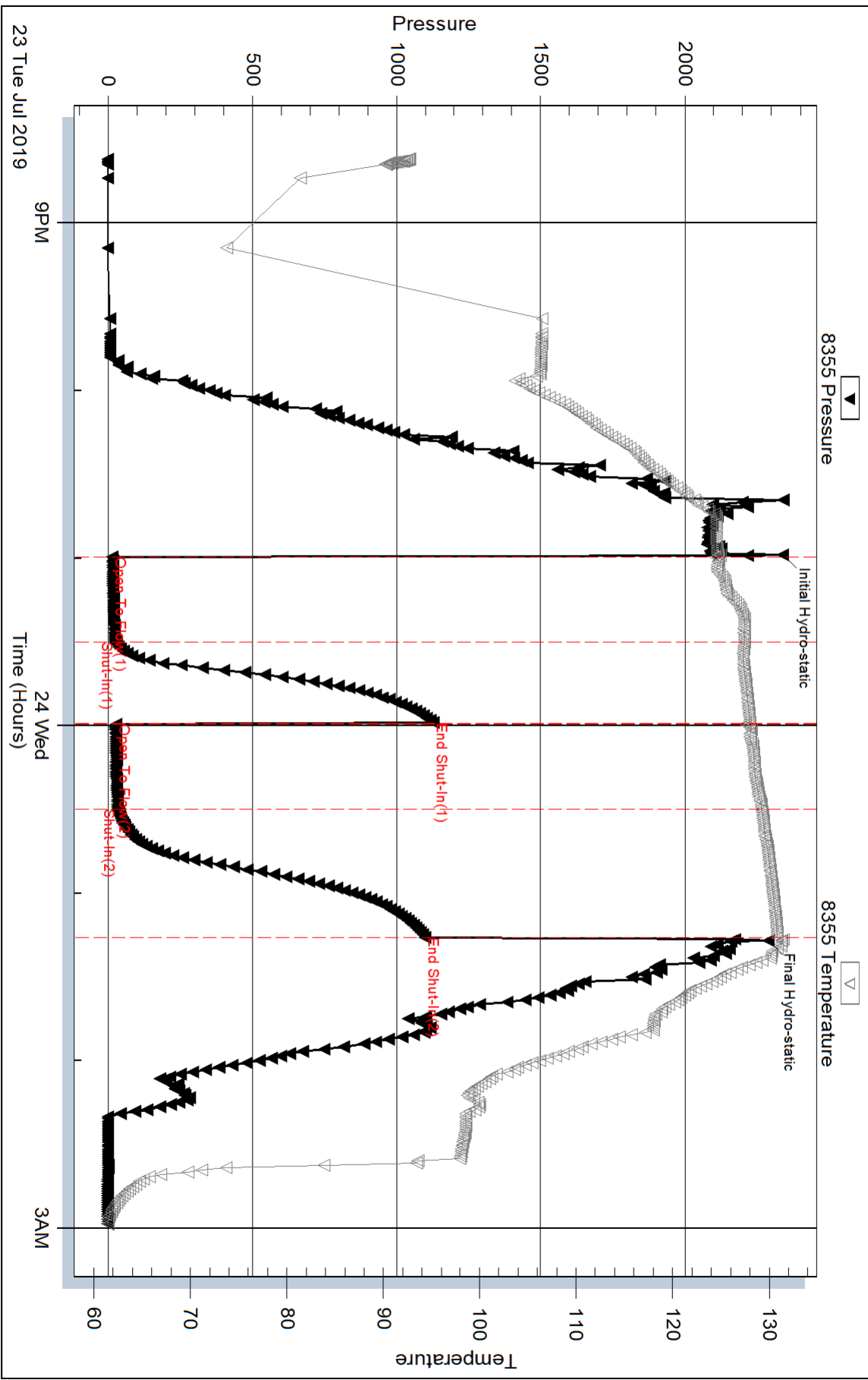
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	OCM, 24%O, 76%M	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 34.8 @ 65 DEG F Adjusted to 34.3 @ 60 DEG F

Pressure vs. Time



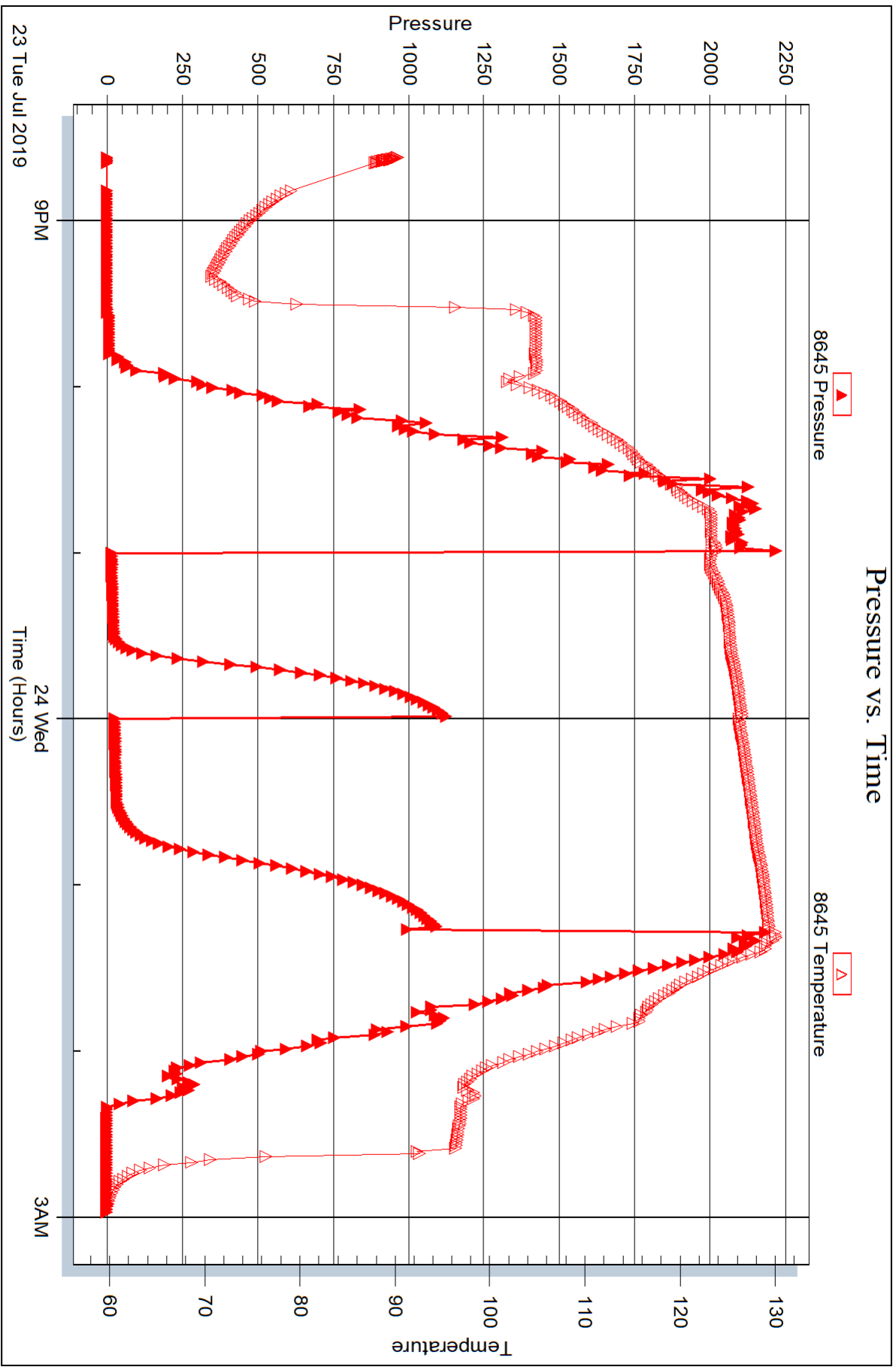
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.24 @ 16:10:00

End Date: 2019.07.25 @ 01:04:49

Job Ticket #: 64667 DST #: 3

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

Printed: 2019.07.29 @ 17:12:25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

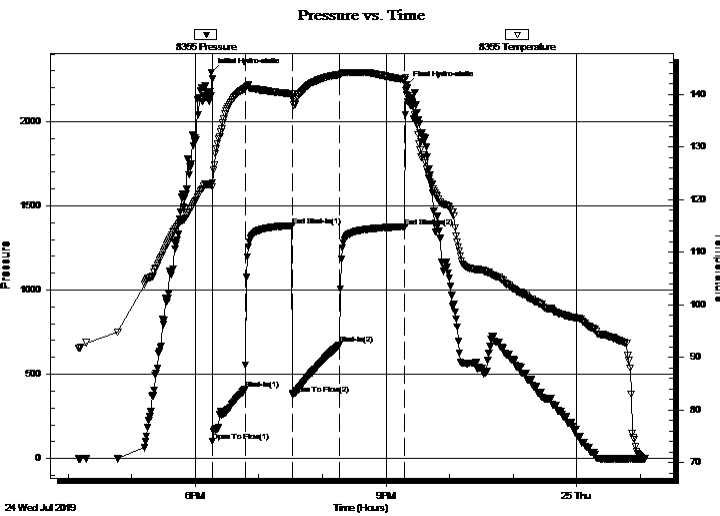
26-7s-37w Sherman,KS
LHR #1-26P
 Job Ticket: 64667 **DST#: 3**
 Test Start: 2019.07.24 @ 16:10:00

GENERAL INFORMATION:

Formation: **KC K - Marmaton B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:16:30
 Time Test Ended: 01:04:49
 Interval: **4463.00 ft (KB) To 4576.00 ft (KB) (TVD)**
 Total Depth: 4576.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shawn Wheelbarger
 Unit No: 76
 Reference Elevations: 3434.00 ft (KB)
 3429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8355 Outside
 Press@RunDepth: 676.31 psig @ 4464.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.24 End Date: 2019.07.25 Last Calib.: 2019.07.25
 Start Time: 16:10:01 End Time: 01:04:49 Time On Btm: 2019.07.24 @ 18:15:30
 Time Off Btm: 2019.07.24 @ 21:19:00

TEST COMMENT: 30-IF-2" Blow @ open BOB in 3 mins Built to 127 3/4"
 45-ISI-BOB in 16 mins built to 11 3/8" declined to 11"
 45-FF-BOB in 3 mins built to 117"
 60-FSI-Blow built to 1 1/4" @ 15 mins & remained 1 1/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2290.94	123.00	Initial Hydro-static
1	102.96	122.41	Open To Flow (1)
32	409.94	141.15	Shut-In(1)
76	1382.70	140.06	End Shut-In(1)
77	384.75	139.59	Open To Flow (2)
121	676.31	143.72	Shut-In(2)
183	1375.78	142.82	End Shut-In(2)
184	2215.68	140.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
347.00	GOCMMW 12%G,10%O, 52%W, 26%M	3.74
1311.00	CGO 2%G, 98%O	18.39
0.00	698' 100% G	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64667 **DST#: 3**
Test Start: 2019.07.24 @ 16:10:00

Tool Information

Drill Pipe:	Length: 4348.00 ft	Diameter: 3.80 inches	Volume: 60.99 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 61.60 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4463.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	113.00 ft				
Tool Length:	134.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4443.00	
Shut In Tool	5.00			4448.00	
Hydraulic tool	5.00		Inside	4453.00	
Packer	5.00			4458.00	21.00 Bottom Of Top Packer
Packer	5.00			4463.00	
Packer - Shale	0.00			4463.00	
Stubb	1.00			4464.00	
Recorder	0.00	8355	Outside	4464.00	
Recorder	0.00	8645	Inside	4464.00	
Perforations	12.00			4476.00	
Change Over Sub	1.00			4477.00	
Drill Pipe	95.00			4572.00	
Change Over Sub	1.00			4573.00	
Bullnose	3.00			4576.00	113.00 Bottom Packers & Anchor

Total Tool Length: 134.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil **26-7s-37w Sherman,KS**
 PO Box 75615 **LHR #1-26P**
 Wichita KS 67275 Job Ticket: 64667 **DST#: 3**
 ATTN: Tim Priest Test Start: 2019.07.24 @ 16:10:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30.6 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 23000 ppm
Viscosity: 67.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.57 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6000.00 ppm		
Filter Cake: 1.00 inches		

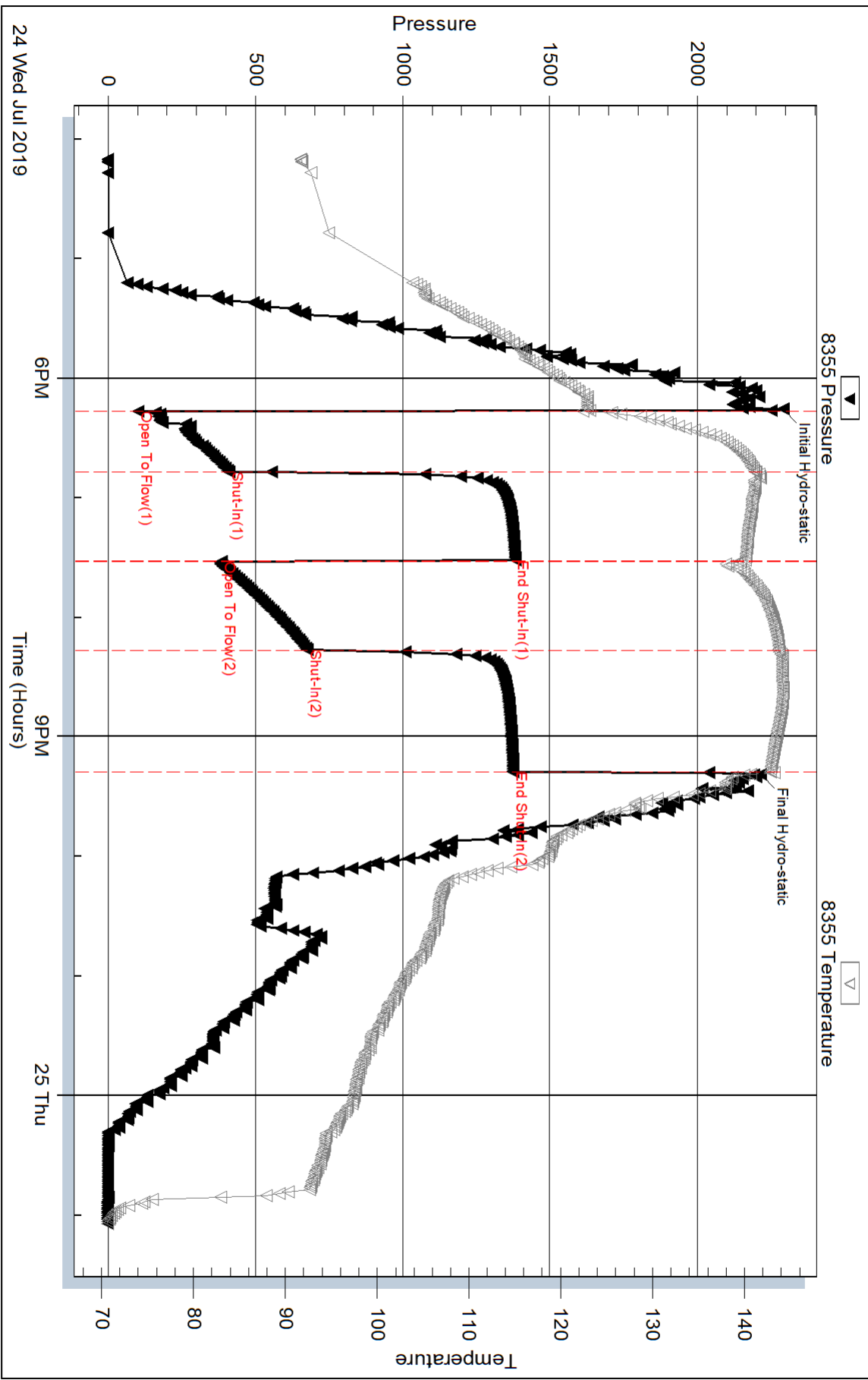
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
347.00	GOCMWM 12%G,10%O, 52%W, 26%M	3.738
1311.00	CGO 2%G, 98%O	18.390
0.00	698' 100% G	0.000

Total Length: 1658.00 ft Total Volume: 22.128 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Oil API 74 DEG F @ 32 API adjusted to 60 DEG F @ 30.6 API
 RW .293 @ 68.9 DEG F 23000 PPM

Pressure vs. Time



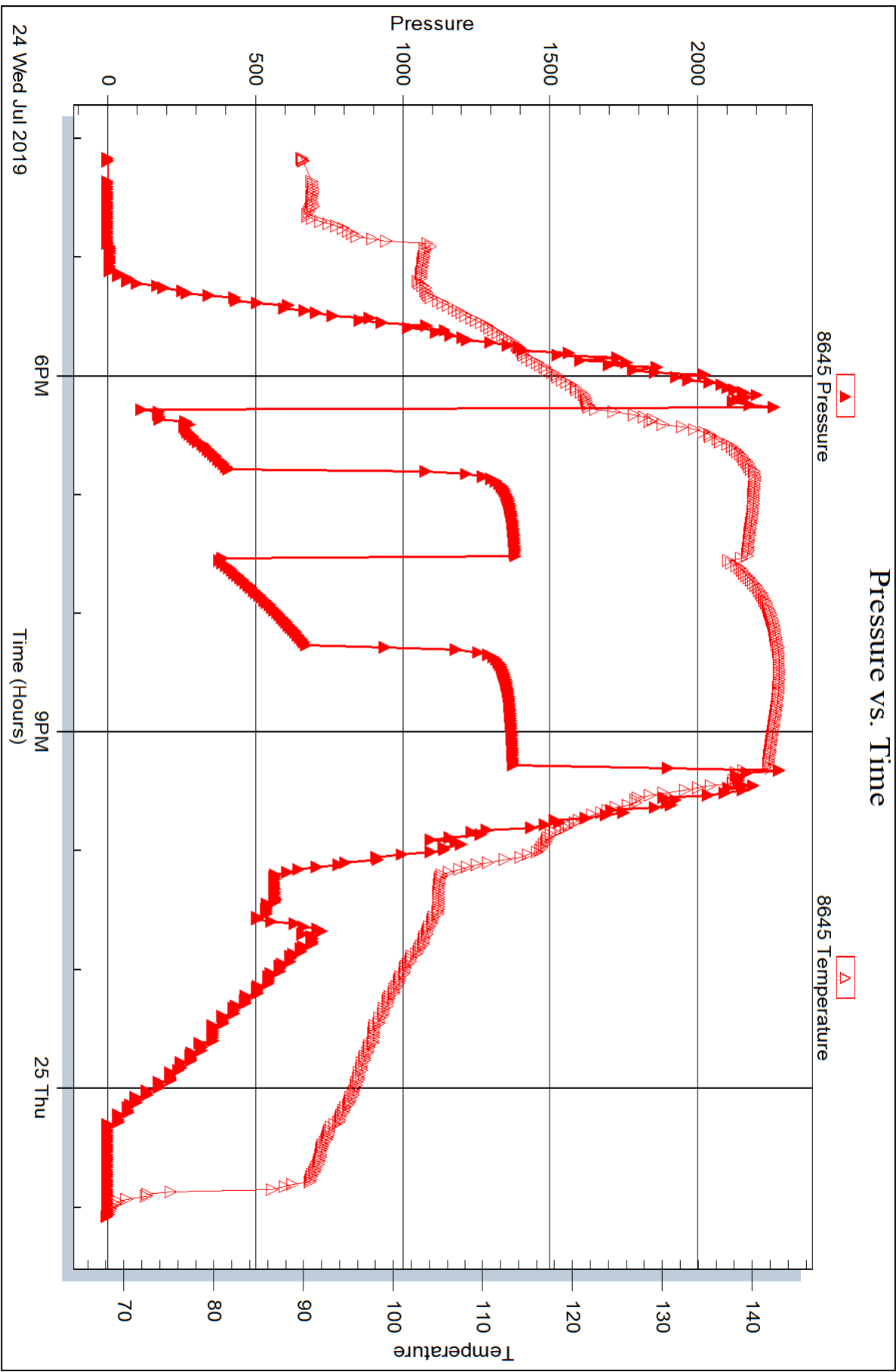
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.25 @ 08:00:00

End Date: 2019.07.25 @ 16:17:30

Job Ticket #: 64668 DST #: 4

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

Printed: 2019.07.29 @ 17:10:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64668

DST#: 4

Test Start: 2019.07.25 @ 08:00:00

GENERAL INFORMATION:

Formation: **Marmaton C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:19:50

Time Test Ended: 16:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 4575.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 703.12 psig @ 4576.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.25 End Date: 2019.07.25

Last Calib.: 2019.07.25

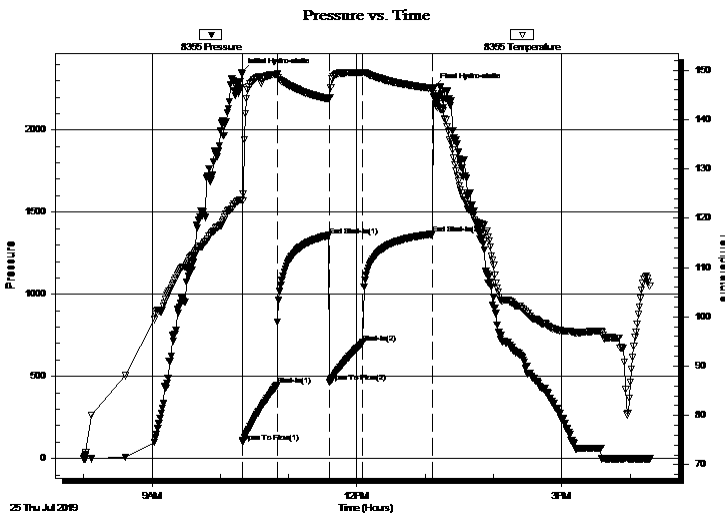
Start Time: 08:00:01 End Time: 16:17:30

Time On Btm: 2019.07.25 @ 10:18:50

Time Off Btm: 2019.07.25 @ 13:07:30

TEST COMMENT: 30-IF-1 1/2" Blow @ open BOB in 3 mins Built to 78 1/4"
45-ISI-No blow back
30-FF-BOB in 4 1/2 mins Built to 56"
60-FSI-Surface blow built to 2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.58	123.77	Initial Hydro-static
1	101.40	123.57	Open To Flow (1)
31	445.57	149.15	Shut-In(1)
77	1357.90	144.17	End Shut-In(1)
78	463.40	144.16	Open To Flow (2)
107	703.12	149.49	Shut-In(2)
168	1366.39	146.28	End Shut-In(2)
169	2255.46	145.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1268.00	SGOMCW 1%G, 8%O, 86%W, 5%M	16.66
190.00	GOCWM 10%G, 10%O, 55%W, 25%M	2.67
10.00	CO 100%O	0.14

* 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
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64668 **DST#: 4**
Test Start: 2019.07.25 @ 08:00:00

Tool Information

Drill Pipe:	Length: 4443.00 ft	Diameter: 3.80 inches	Volume: 62.32 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 62.93 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4575.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4555.00	
Shut In Tool	5.00			4560.00	
Hydraulic tool	5.00		Inside	4565.00	
Packer	5.00			4570.00	21.00 Bottom Of Top Packer
Packer	5.00			4575.00	
Packer - Shale	0.00			4575.00	
Stubb	1.00			4576.00	
Recorder	0.00	8355	Outside	4576.00	
Recorder	0.00	8645	Inside	4576.00	
Perforations	31.00			4607.00	
Perforations	3.00			4610.00	35.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil **26-7s-37w Sherman,KS**

PO Box 75615
Wichita KS 67275

LHR #1-26P

Job Ticket: 64668

DST#: 4

ATTN: Tim Priest

Test Start: 2019.07.25 @ 08:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 66.00 sec/qt

Water Loss: 10.38 in³

Resistivity: ohm.m

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 26.4 deg API

Water Salinity: 6000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1268.00	SGOMCW 1%G, 8%O, 86%W, 5%M	16.657
190.00	GOCWM 10%G, 10%O, 55%W, 25%M	2.665
10.00	CO 100%O	0.140

Total Length: 1468.00 ft Total Volume: 19.462 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

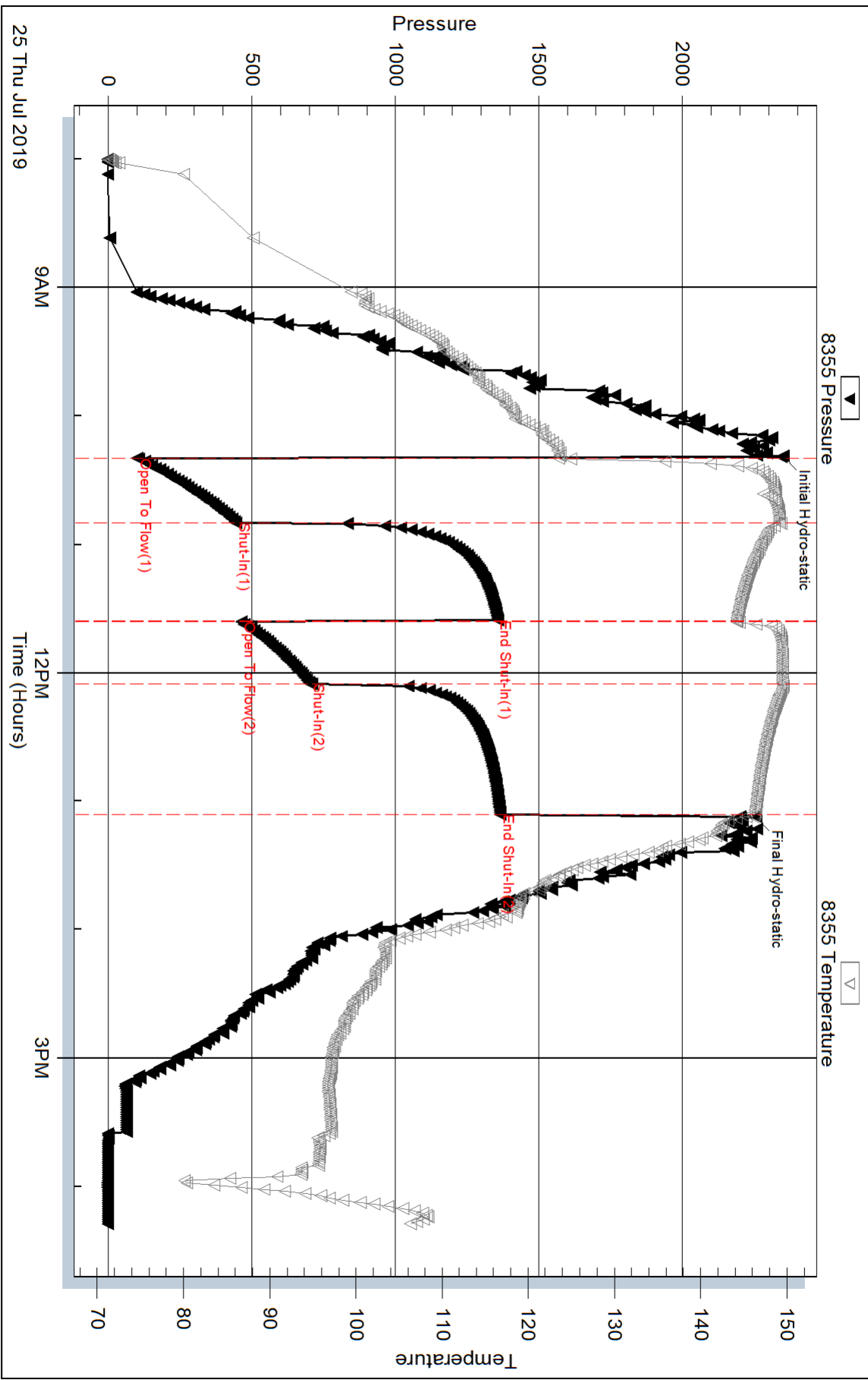
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 98 DEG F @30.2 Adjusted to 60 DEG F @26.4
RW .078 @91.7 DEG F 6000 PPM

Pressure vs. Time



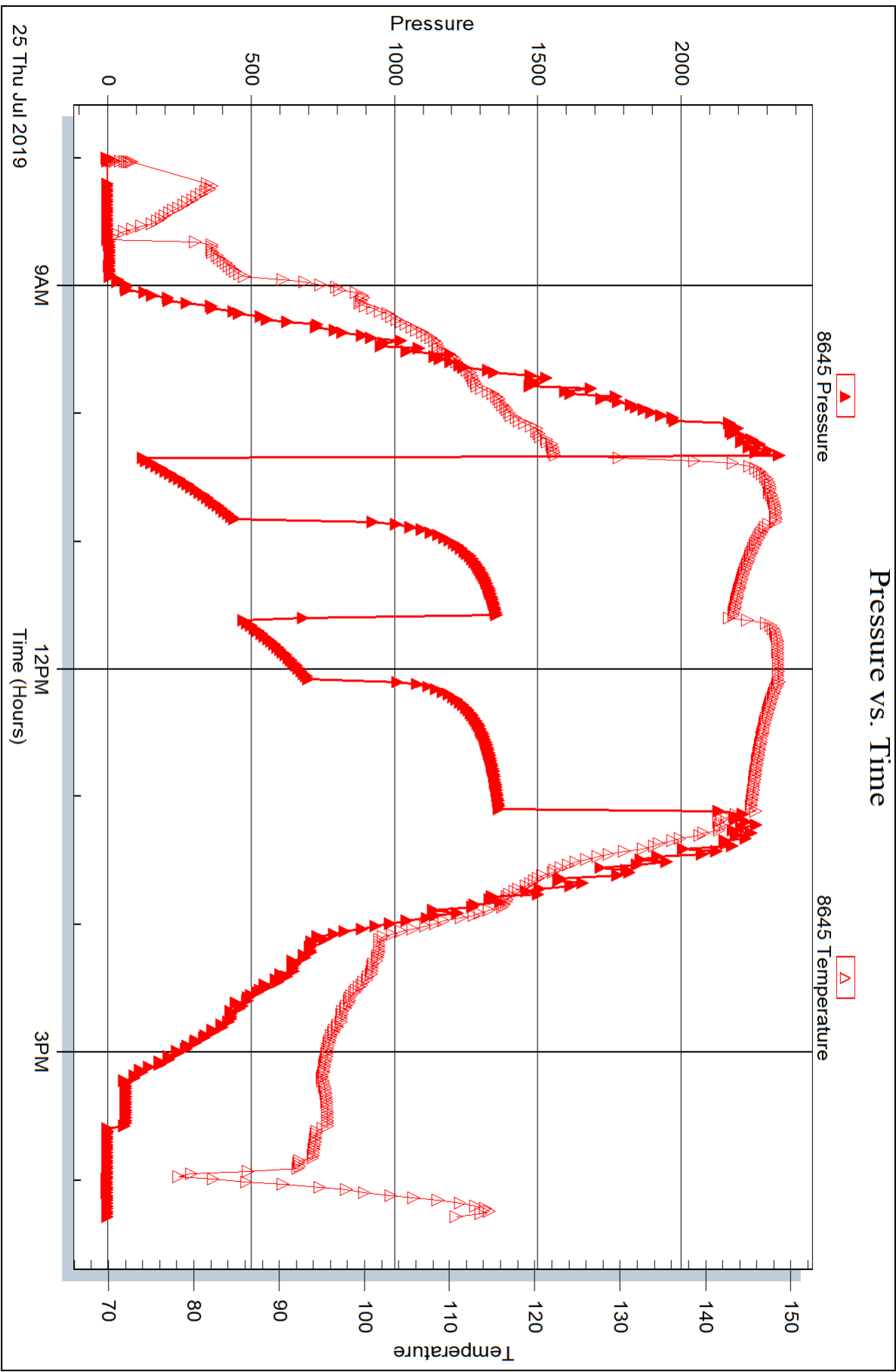
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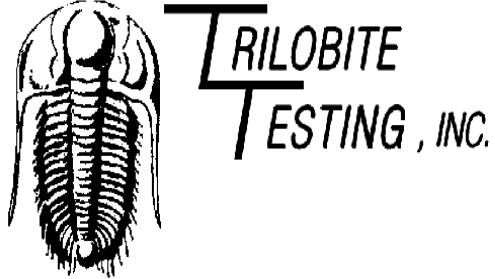
Inside

Chizum Oil

LHR#1-26P

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.26 @ 01:41:00

End Date: 2019.07.26 @ 07:31:40

Job Ticket #: 64669 DST #: 5

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

Printed: 2019.07.29 @ 17:09:39



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64669

DST#: 5

Test Start: 2019.07.26 @ 01:41:00

GENERAL INFORMATION:

Formation: **Pawnee - Myric Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:46:40

Time Test Ended: 07:31:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 4621.00 ft (KB) To 4685.00 ft (KB) (TVD)

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4685.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8355

Outside

Press@RunDepth: 27.50 psig @ 4622.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.26

End Date:

2019.07.26

Last Calib.:

2019.07.26

Start Time: 01:41:01

End Time:

07:31:40

Time On Btm:

2019.07.26 @ 03:45:30

Time Off Btm:

2019.07.26 @ 05:48:40

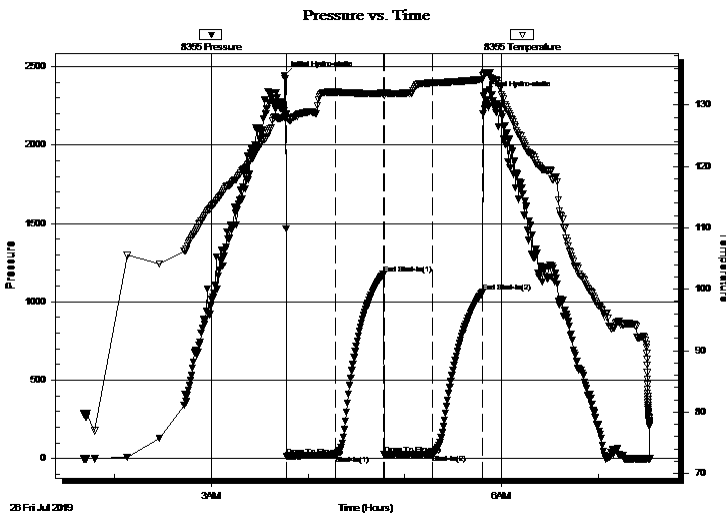
TEST COMMENT: 30-IF-1/4" Blow @ open slow build to 7/8"

30-ISI-No blow back

30-FF-No blow

30-FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2444.73	128.08	Initial Hydro-static
2	15.83	128.00	Open To Flow (1)
32	21.34	132.08	Shut-In(1)
61	1175.53	131.94	End Shut-In(1)
62	24.40	131.55	Open To Flow (2)
92	27.50	133.64	Shut-In(2)
123	1062.28	134.17	End Shut-In(2)
124	2316.96	134.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SGOSM 5%G, 5%O, 90%M	0.05

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
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64669 **DST#: 5**
Test Start: 2019.07.26 @ 01:41:00

Tool Information

Drill Pipe:	Length: 4506.00 ft	Diameter: 3.80 inches	Volume: 63.21 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 63.82 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4621.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	85.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4601.00	
Shut In Tool	5.00			4606.00	
Hydraulic tool	5.00		Inside	4611.00	
Packer	5.00			4616.00	21.00 Bottom Of Top Packer
Packer	5.00			4621.00	
Packer - Shale	0.00			4621.00	
Stubb	1.00			4622.00	
Recorder	0.00	8355	Outside	4622.00	
Recorder	0.00	8645	Inside	4622.00	
Perforations	26.00			4648.00	
Change Over Sub	1.00			4649.00	
Drill Pipe	32.00			4681.00	
Change Over Sub	1.00			4682.00	
Bullnose	3.00			4685.00	64.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil **26-7s-37w Sherman,KS**
 PO Box 75615 **LHR #1-26P**
 Wichita KS 67275 Job Ticket: 64669 **DST#: 5**
 ATTN: Tim Priest Test Start: 2019.07.26 @ 01:41:00

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: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SGOSM 5%G, 5%O, 90%M	0.049

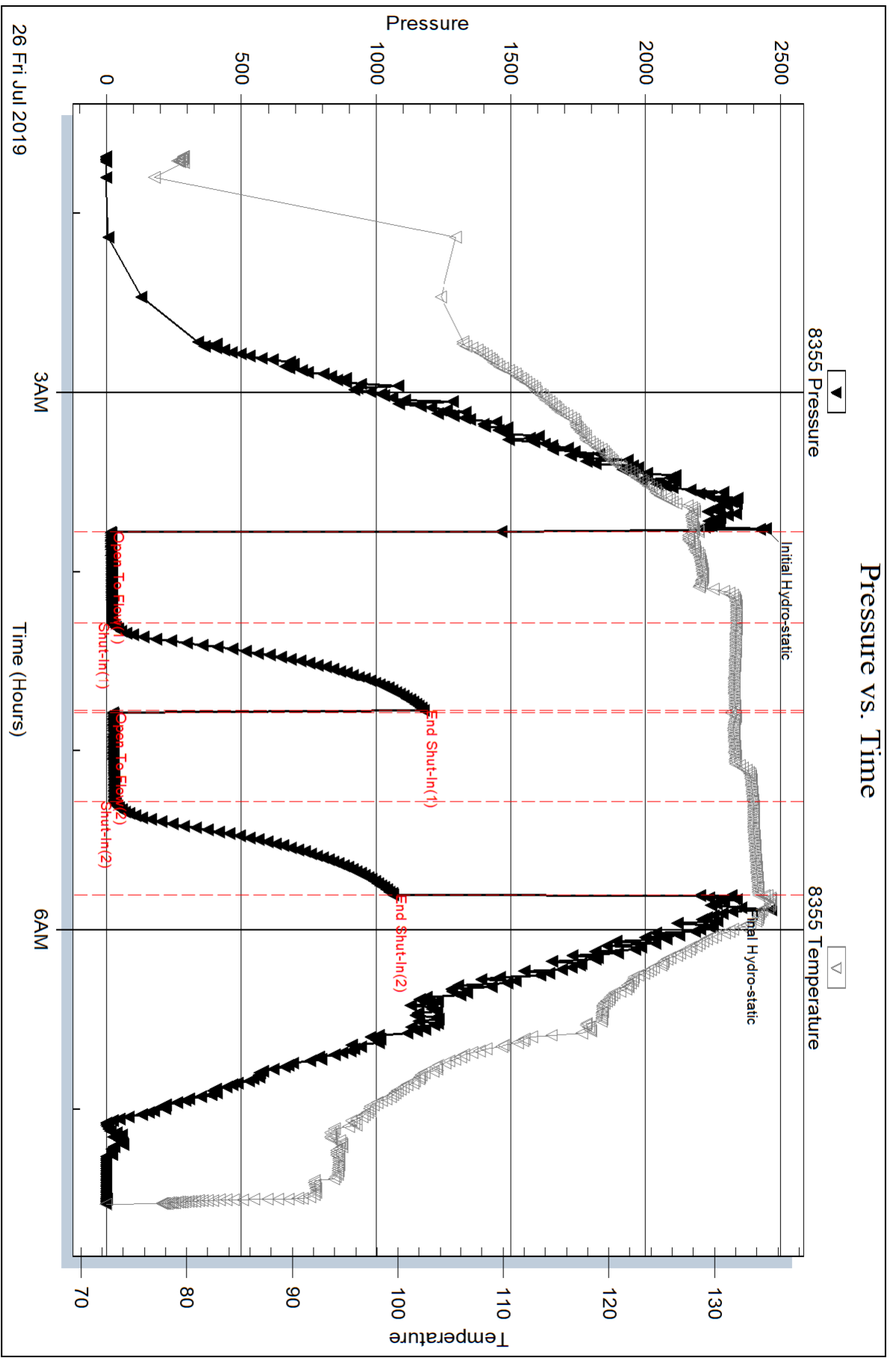
Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8355

Outside Chizum Oil

LHR#1-26P

DST Test Number: 5



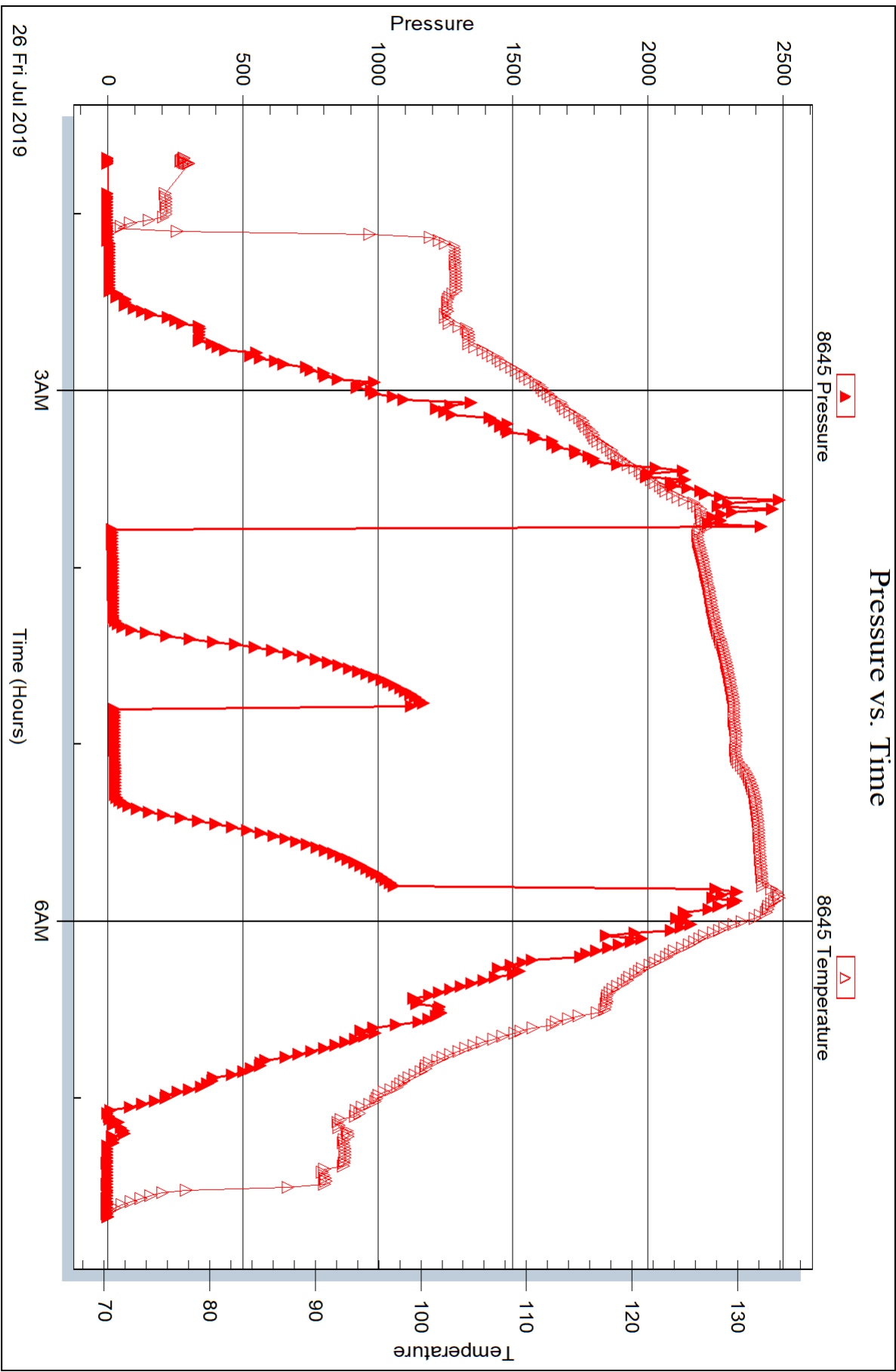
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.26 @ 16:39:00

End Date: 2019.07.26 @ 23:59:20

Job Ticket #: 64670 DST #: 6

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

Printed: 2019.07.29 @ 16:45:30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64670

DST#: 6

Test Start: 2019.07.26 @ 16:39:00

GENERAL INFORMATION:

Formation: **Fort Scott - Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:05:10

Time Test Ended: 23:59:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: **4678.00 ft (KB) To 4750.00 ft (KB) (TVD)**

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4750.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 21.31 psig @ 4679.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.26

End Date: 2019.07.26

Last Calib.: 2019.07.27

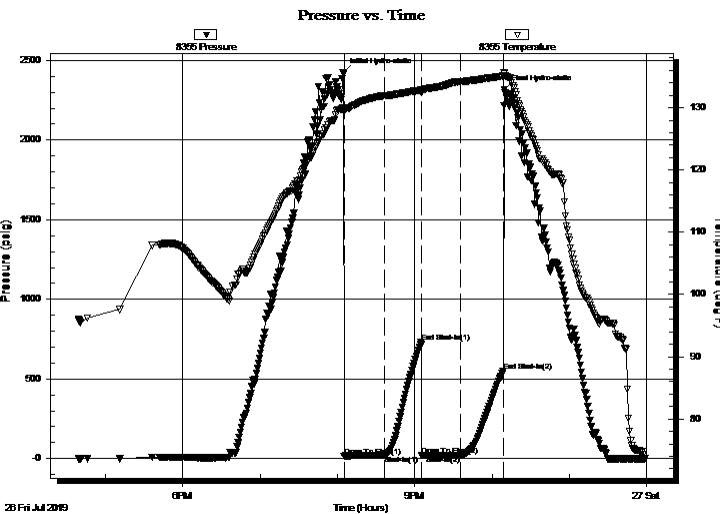
Start Time: 16:39:01

End Time: 23:59:20

Time On Btm: 2019.07.26 @ 20:04:20

Time Off Btm: 2019.07.26 @ 22:09:39

TEST COMMENT: 30-IF-1/4" Blow @ open Built to 7/16" @ 7 mins Declined @ 18 mins
 30-ISI-No blow back
 30-FF-No blow
 30-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2424.33	130.00	Initial Hydro-static
1	15.86	129.39	Open To Flow (1)
32	19.99	131.91	Shut-In(1)
61	731.36	132.84	End Shut-In(1)
62	22.17	132.43	Open To Flow (2)
92	21.31	134.20	Shut-In(2)
125	548.61	135.08	End Shut-In(2)
126	2317.86	135.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / oil spots	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
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64670 **DST#: 6**
Test Start: 2019.07.26 @ 16:39:00

Tool Information

Drill Pipe:	Length: 4538.00 ft	Diameter: 3.80 inches	Volume: 63.66 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 64.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4678.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	72.00 ft				
Tool Length:	93.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

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

Change Over Sub	1.00			4658.00	
Shut In Tool	5.00			4663.00	
Hydraulic tool	5.00		Inside	4668.00	
Packer	5.00			4673.00	21.00 Bottom Of Top Packer
Packer	5.00			4678.00	
Packer - Shale	0.00			4678.00	
Stubb	1.00			4679.00	
Recorder	0.00	8355	Outside	4679.00	
Recorder	0.00	8645	Inside	4679.00	
Perforations	34.00			4713.00	
Change Over Sub	1.00			4714.00	
Drill Pipe	32.00			4746.00	
Change Over Sub	1.00			4747.00	
Bullnose	3.00			4750.00	72.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil

26-7s-37w Sherman,KS

PO Box 75615
Wichita KS 67275

LHR #1-26P

Job Ticket: 64670

DST#: 6

ATTN: Tim Priest

Test Start: 2019.07.26 @ 16:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w / oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

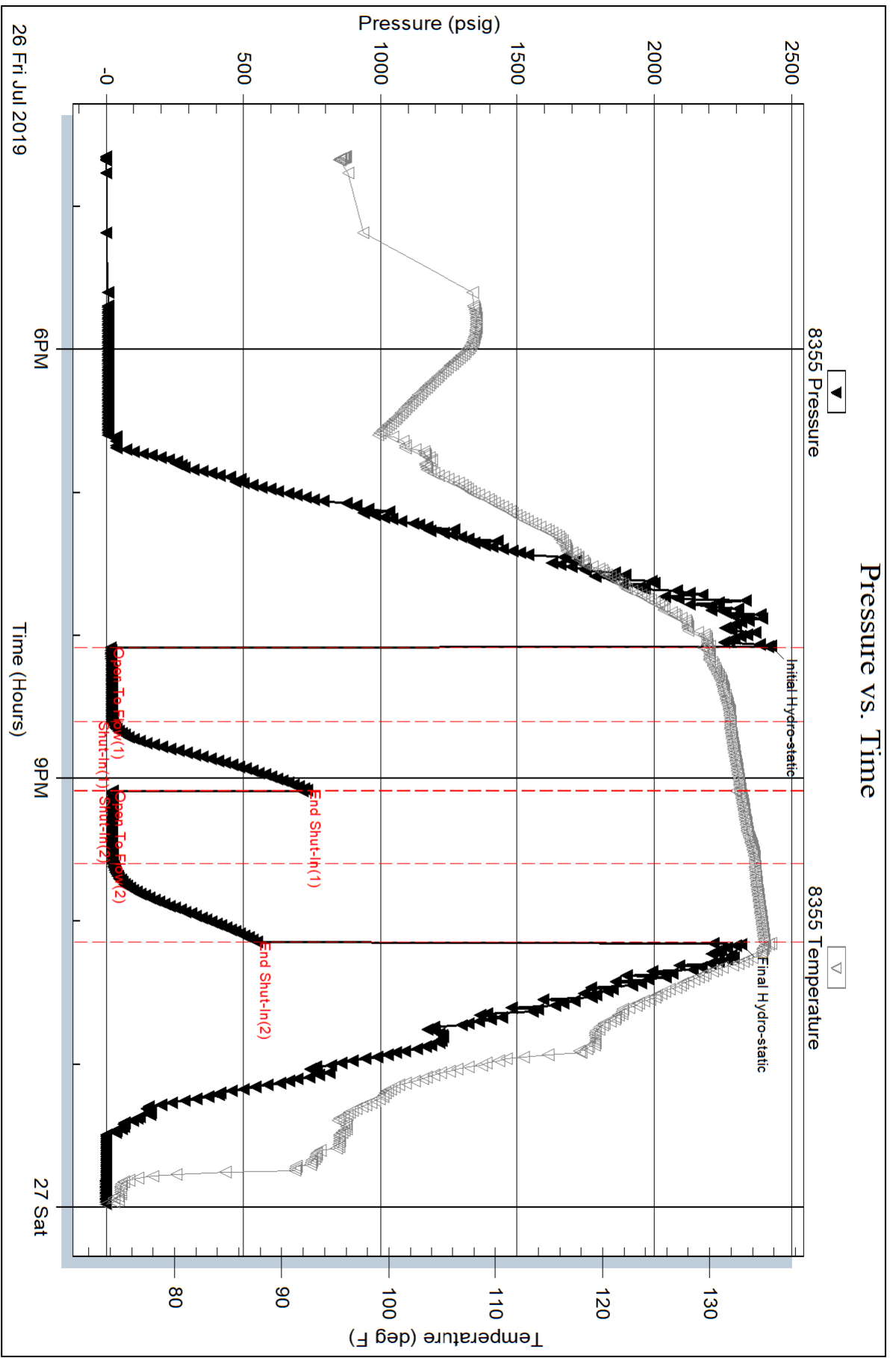
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



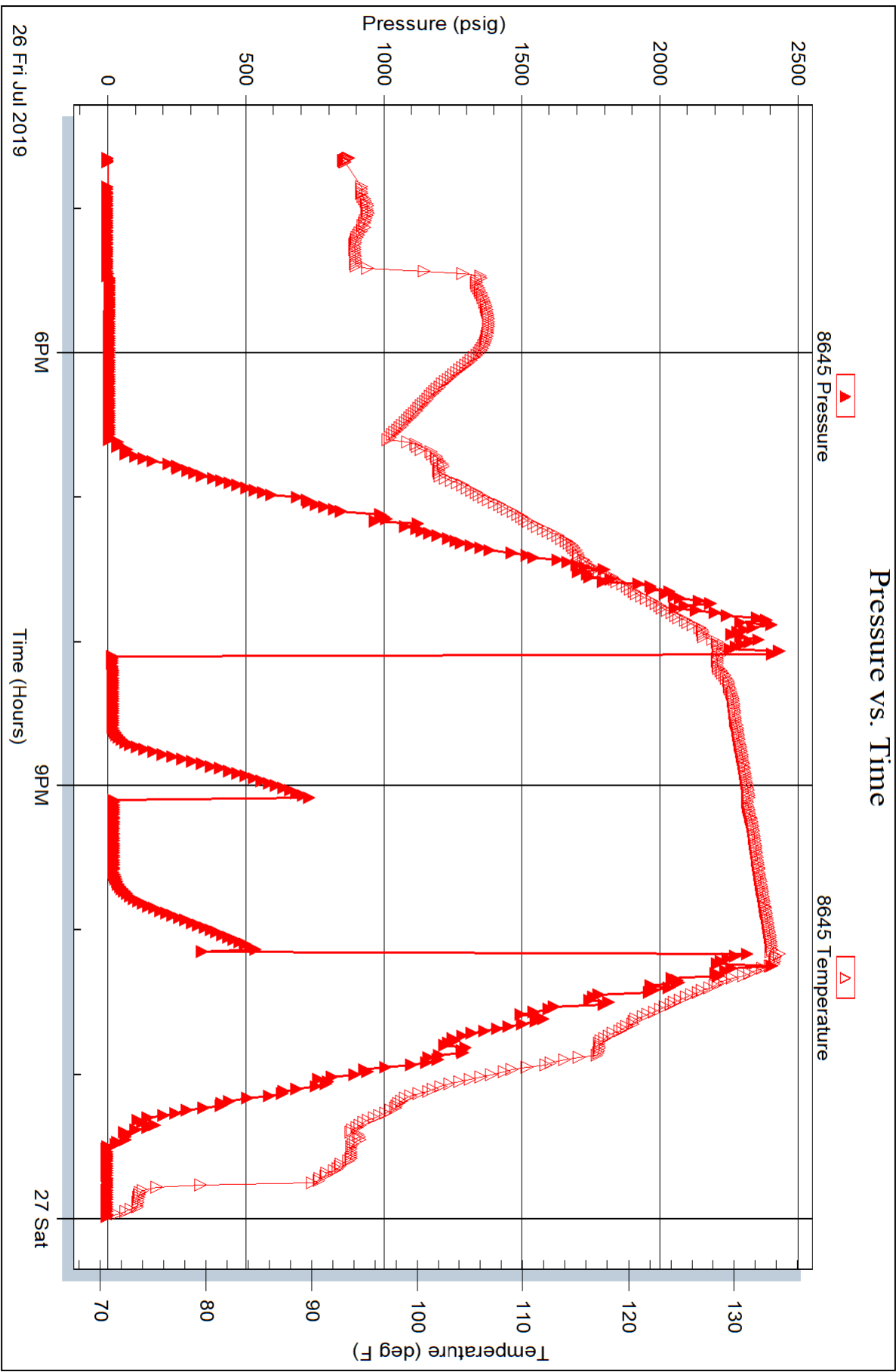
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 6





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64665

Well Name & No. LHR #1-20P Test No. 1 Date 7-22-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO Box 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig NW 10 Merfin BA
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State KS

Interval Tested 4183-4280 Zone Tested Toronto Lansing A+B
 Anchor Length 97 Drill Pipe Run 4062 Mud Wt. 9
 Top Packer Depth 4178 Drill Collars Run 124 Vis 76
 Bottom Packer Depth 4183 Wt. Pipe Run - WL 8
 Total Depth 4280 Chlorides 3000 ppm System LCM 2
 Blow Description IF 3/4" Blow @ open BOB @ 10 mins Built to 30 1/4"
ISI No blow back
FF BOB @ 14 mins Built to 25 1/4"
FSI No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>OSWM</u>	<u>3</u>	<u>51</u>	<u>46</u>	
<u>510</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 700 BHT 134 Gravity - API RW 26.3 @ 57.7° F Chlorides 32000 ppm
 (A) Initial Hydrostatic 2052 Test 1300 T-On Location 20:45 7-22
 (B) First Initial Flow 39 Jars _____ T-Started 21:54 7-22
 (C) First Final Flow 211 Safety Joint _____ T-Open 00:21
 (D) Initial Shut-In 1227 Circ Sub _____ T-Pulled 2:36
 (E) Second Initial Flow 212 Hourly Standby _____ T-Out 5:03
 (F) Second Final Flow 338 Mileage 162 RT 162 Comments _____
 (G) Final Shut-In 1221 Sampler _____
 (H) Final Hydrostatic 2106 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1712
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1712

Approved By _____ Our Representative Shawn Wheelbarger
 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. 64666

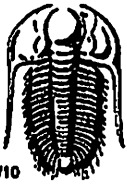
Well Name & No. LHR #1-26P Test No. 2 Date 7-23-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO Box 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Martin BA WW #10
 Location: Sec. 26 Twp 7s Rge. 37W Co. Sherman State KS

Interval Tested 4381 - 4448 Zone Tested KL H-2
 Anchor Length 67 Drill Pipe Run 4253 Mud Wt. 9.2
 Top Packer Depth 4376 Drill Collars Run 124 Vis 67
 Bottom Packer Depth 4381 Wt. Pipe Run - WL 8.8
 Total Depth 4448 Chlorides 4000 ppm System LCM 2
 Blow Description IF Heavy Surface blow built to 1"
IST No blow back
FF Surface blow
FSI No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>OCM</u>	<u>24</u>		<u>76</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 50 BHT 131 Gravity 34.3 API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 2340 Test 1300 T-On Location 20:24
 (B) First Initial Flow 14 Jars _____ T-Started 20:37
 (C) First Final Flow 24 Safety Joint _____ T-Open 22:58
 (D) Initial Shut-In 1128 Circ Sub _____ T-Pulled 1:13 7-24
 (E) Second Initial Flow 28 Hourly Standby _____ T-Out 2:47
 (F) Second Final Flow 32 Mileage 162 RT 162 Comments _____
 (G) Final Shut-In 1099 Sampler _____
 (H) Final Hydrostatic 2289 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1712
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1712

Approved By _____ Our Representative Shawn Wheelbarger
 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. 64667

Well Name & No. LHR #1-26P Test No. 3 Date 7-24-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO BOX 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Murfin BA NW #10
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State KS

Interval Tested 4463-4576 Zone Tested KC K thru Norm B
 Anchor Length 113 Drill Pipe Run 4348 Mud Wt. 9.2
 Top Packer Depth 4458 Drill Collars Run 124 Vis 67
 Bottom Packer Depth 4463 Wt. Pipe Run - WL 9.6
 Total Depth 4576 Chlorides 6000 ppm System LCM 2
 Blow Description IF 2" Blow @ open BOB in 3 mins Built to 127 3/4"
ISI BOB in 16 mins built to 11 3/8" declined to 11"
FF BOB in 3 mins built to 117"
F-5I Blow built to 1 1/4" @ 15 mins & remained 1 1/4"

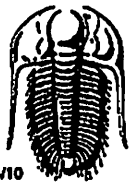
Rec	Feet of	%gas	%oil	%water	%mud
<u>698</u>	<u>Gas</u>	<u>100</u>			
<u>130</u>	<u>GO</u>	<u>2</u>	<u>98</u>		
<u>397</u>	<u>GO WCM</u>	<u>12</u>	<u>10</u>	<u>52</u>	<u>26</u>

Rec Total 2356 BHT 141 Gravity 30.6 API RW .293 @ 68.9 °F Chlorides 23000 ppm
 (A) Initial Hydrostatic 2291 Test 1300 T-On Location 15:54
 (B) First Initial Flow 103 Jars _____ T-Started 16:10
 (C) First Final Flow 410 Safety Joint _____ T-Open 18:16
 (D) Initial Shut-In 1383 Circ Sub _____ T-Pulled 21:16
 (E) Second Initial Flow 385 Hourly Standby _____ T-Out 00:47
 (F) Second Final Flow 676 Mileage 162 RT 162
 (G) Final Shut-In 1376 Sampler _____
 (H) Final Hydrostatic 2216 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1712
 Sub Total 1712 MP/DST Disc't _____

Approved By _____

Our Representative Shawn Wheelbarger

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. 64668

Well Name & No. LHR #1-26P Test No. 4 Date 7-25-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO BOX 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Murfin BA WW #10
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State KS

Interval Tested 4575 - 4610 Zone Tested Marmaton C
 Anchor Length 35 Drill Pipe Run 4443 Mud Wt. 9.4
 Top Packer Depth 4570 Drill Collars Run 124 Vis 66
 Bottom Packer Depth 4575 Wt. Pipe Run - WL 10.4
 Total Depth 4610 Chlorides 7500 ppm System LCM 1
 Blow Description IF 1 1/2" Blow @ open BOB in 3mins Built to 78 1/4"
ISI No blow back
FF BOB in 4 1/2 mins built to 56"
FSI Sustaine blow built to 2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>CO</u>	<u>100</u>			
<u>190</u>	<u>GOWCM</u>	<u>10</u>	<u>10</u>	<u>55</u>	<u>25</u>
<u>1268</u>	<u>OWCM</u>	<u>1</u>	<u>8</u>	<u>88</u>	<u>5</u>

Rec Total 1468 BHT 145 Gravity 26.4 API RW .078 @ 91.7 °F Chlorides 6000 ppm
 (A) Initial Hydrostatic 2351 Test 1300 T-On Location 7:39
 (B) First Initial Flow 101 Jars _____ T-Started 8:00
 (C) First Final Flow 446 Safety Joint _____ T-Open 10:20
 (D) Initial Shut-In 1358 Circ Sub _____ T-Pulled 13:05
 (E) Second Initial Flow 463 Hourly Standby _____ T-Out 16:01
 (F) Second Final Flow 703 Mileage 162 RT 162 Comments _____
 (G) Final Shut-In 1366 Sampler _____
 (H) Final Hydrostatic 2255 Straddle _____ Ruined Shale Packer 350
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1712 Sub Total 350
 Total 2062 MP/DST Disc't _____

Approved By _____

Our Representative Shawn Wheelbarger

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. 64669

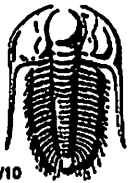
Well Name & No. LHR #1-26P Test No. 5 Date 7-26-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO Box 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Martin BA WA #10
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State KS

Interval Tested 4621 - 4685 Zone Tested Pawnee-Muric Station
 Anchor Length 64 Drill Pipe Run 4506 Mud Wt. 9.3
 Top Packer Depth 4616 Drill Collars Run 124 Vls 57
 Bottom Packer Depth 4621 Wt. Pipe Run - WL 10.4
 Total Depth 4685 Chlorides 8000 ppm System LCM 2
 Blow Description IF 1/4" Blow @ open slow build to 7/8"
IST No blowback
FF No blow
FST No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>SGOSM</u>	<u>5</u>	<u>5</u>	<u>90</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 10 BHT 1.35 Gravity - API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 2445 Test 1300 T-On Location 1:25
 (B) First Initial Flow 16 Jars _____ T-Started 1:41
 (C) First Final Flow 21 Safety Joint _____ T-Open 3:46
 (D) Initial Shut-In 1176 Circ Sub _____ T-Pulled 5:46
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 7:43
 (F) Second Final Flow 28 Mileage 162 RT 162 Comments _____
 (G) Final Shut-In 1062 Sampler _____
 (H) Final Hydrostatic 2317 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1712
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1712

Approved By _____ Our Representative Shawn Wheelbarrow
 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 note 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. 64670

4/10

Well Name & No. LHR # 1-26P Test No. 6 Date 7-26-19
 Company Chizum Oil Elevation 34.34 KB 3429 GL
 Address PO Box 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Martin BA WLD #10
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State _____

Interval Tested 4678 - 4750 Zone Tested Fort Scott Cherokee
 Anchor Length 72 Drill Pipe Run 4538 Mud Wt. 9
 Top Packer Depth 4673 Drill Collars Run 124 Vls 52
 Bottom Packer Depth 4678 Wt. Pipe Run - WL 10.4
 Total Depth 4750 Chlorides 8000 ppm System LCM 2
 Blow Description IF 1/4" Blow @ open built to 7/16" in 7 mins declined after 18 mins
ISI No blow back
FF No blow
FSI No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud w/ oil spots</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 5 BHT 136 Gravity - API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 2424 Test 1300 T-On Location 16:13
 (B) First Initial Flow 16 Jars _____ T-Started 16:39
 (C) First Final Flow 20 Safety Joint _____ T-Open 20:05
 (D) Initial Shut-In 731 Circ Sub _____ T-Pulled 22:06
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 23:55
 (F) Second Final Flow 21 Mileage 162 Comments _____
 (G) Final Shut-In 549 Sampler _____
 (H) Final Hydrostatic 2318 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1712
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1712

Approved By _____ Our Representative Shawn Sheelbarger
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