



DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC**

PO Box 123
Andover, KS 67002

ATTN: Tim Priest

Gaskill #1-32

35-7-37 Sherman,KS

Start Date: 2019.01.03 @ 06:18:27

End Date: 2019.01.03 @ 14:12:27

Job Ticket #: 64312 DST #: 1

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

Printed: 2019.01.07 @ 11:59:37



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

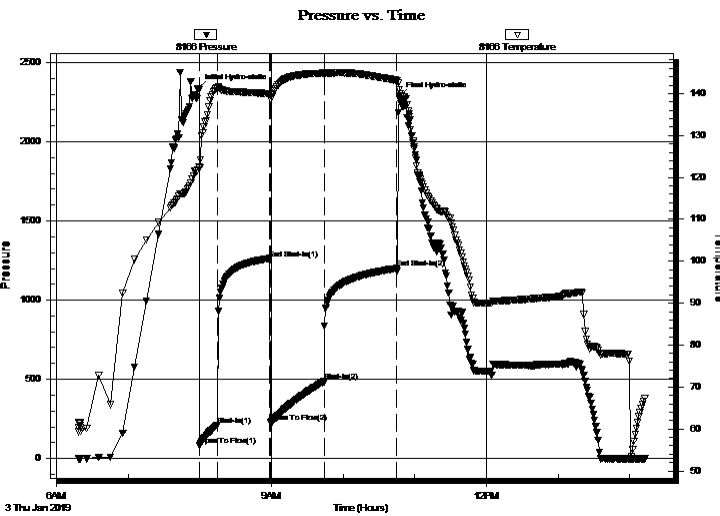
35-7-37 Sherman, KS
Gaskill #1-32
 Job Ticket: 64312 **DST#: 1**
 Test Start: 2019.01.03 @ 06:18:27

GENERAL INFORMATION:

Formation: **Marmaton C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 07:59:57 Tester: Brandon Turley
 Time Test Ended: 14:12:27 Unit No: 79
 Interval: **4610.00 ft (KB) To 4645.00 ft (KB) (TVD)** Reference Elevations: 3468.00 ft (KB)
 Total Depth: 4645.00 ft (KB) (TVD) 3463.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 486.32 psig @ 4615.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.01.03 End Date: 2019.01.03 Last Calib.: 2019.01.03
 Start Time: 06:18:32 End Time: 14:12:26 Time On Btm: 2019.01.03 @ 07:58:27
 Time Off Btm: 2019.01.03 @ 10:46:57

TEST COMMENT: IF: BOB in 2 mins. 49"
 IS: 11" blow back.
 FF: BOB in 2 min. 106"
 FS: BOB in 25 min. 17"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.47	121.82	Initial Hydro-static
2	82.23	122.30	Open To Flow (1)
16	210.08	141.35	Shut-In(1)
60	1262.81	139.85	End Shut-In(1)
61	225.99	138.76	Open To Flow (2)
106	486.32	144.85	Shut-In(2)
167	1200.06	143.12	End Shut-In(2)
169	2283.27	140.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	ocmw 5%o 75%w 20%m	1.56
1053.00	go 20%g 80%o	14.77
0.00	711 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil LLC

35-7-37 Sherman,KS

PO Box 123
Andover, KS 67002

Gaskill #1-32

Job Ticket: 64312

DST#: 1

ATTN: Tlm Priest

Test Start: 2019.01.03 @ 06:18:27

Tool Information

Drill Pipe:	Length: 4479.00 ft	Diameter: 3.80 inches	Volume: 62.83 bbl	Tool Weight: 2000.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4610.00 ft			Final 75000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4595.00	
Shut In Tool	5.00			4600.00	
Hydraulic tool	5.00			4605.00	
Packer	5.00			4610.00	16.00 Bottom Of Top Packer
Packer - Shale	4.00			4614.00	
Stubb	1.00			4615.00	
Recorder	0.00	6651	Inside	4615.00	
Recorder	0.00	8166	Outside	4615.00	
Perforations	29.00			4644.00	
Bullnose	5.00			4649.00	39.00 Anchor Tool
Total Tool Length:	55.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil LLC

35-7-37 Sherman,KS

PO Box 123
Andover, KS 67002

Gaskill #1-32

Job Ticket: 64312

DST#: 1

ATTN: TIm Priest

Test Start: 2019.01.03 @ 06:18:27

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

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
189.00	ocmw 5%o 75%w 20%m	1.558
1053.00	go 20%g 80%o	14.771
0.00	711 GIP	0.000

Total Length: 1242.00 ft Total Volume: 16.329 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

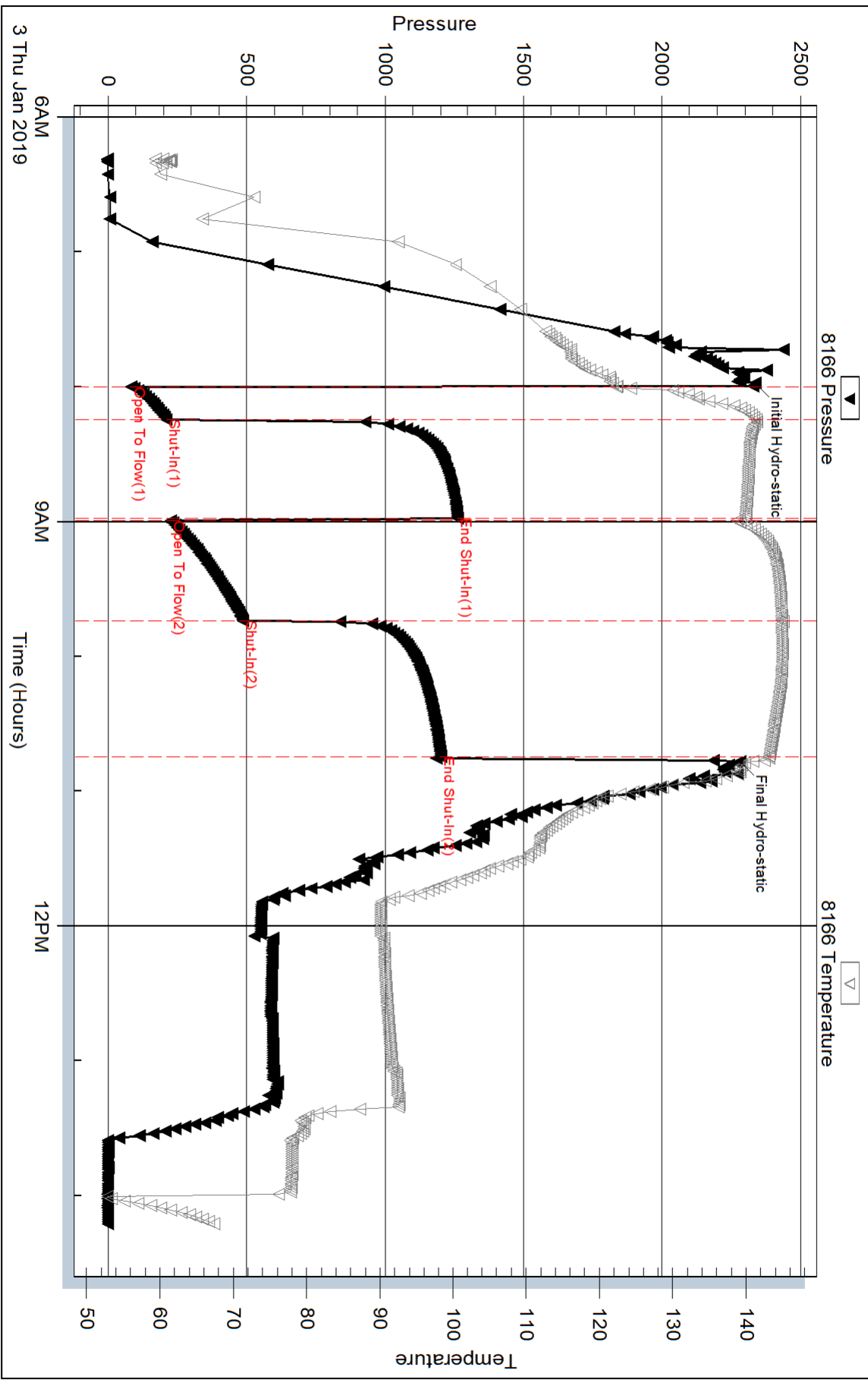
Laboratory Name:

Laboratory Location:

Recovery Comments: 26@60=26

.25@53=3800

Pressure vs. Time



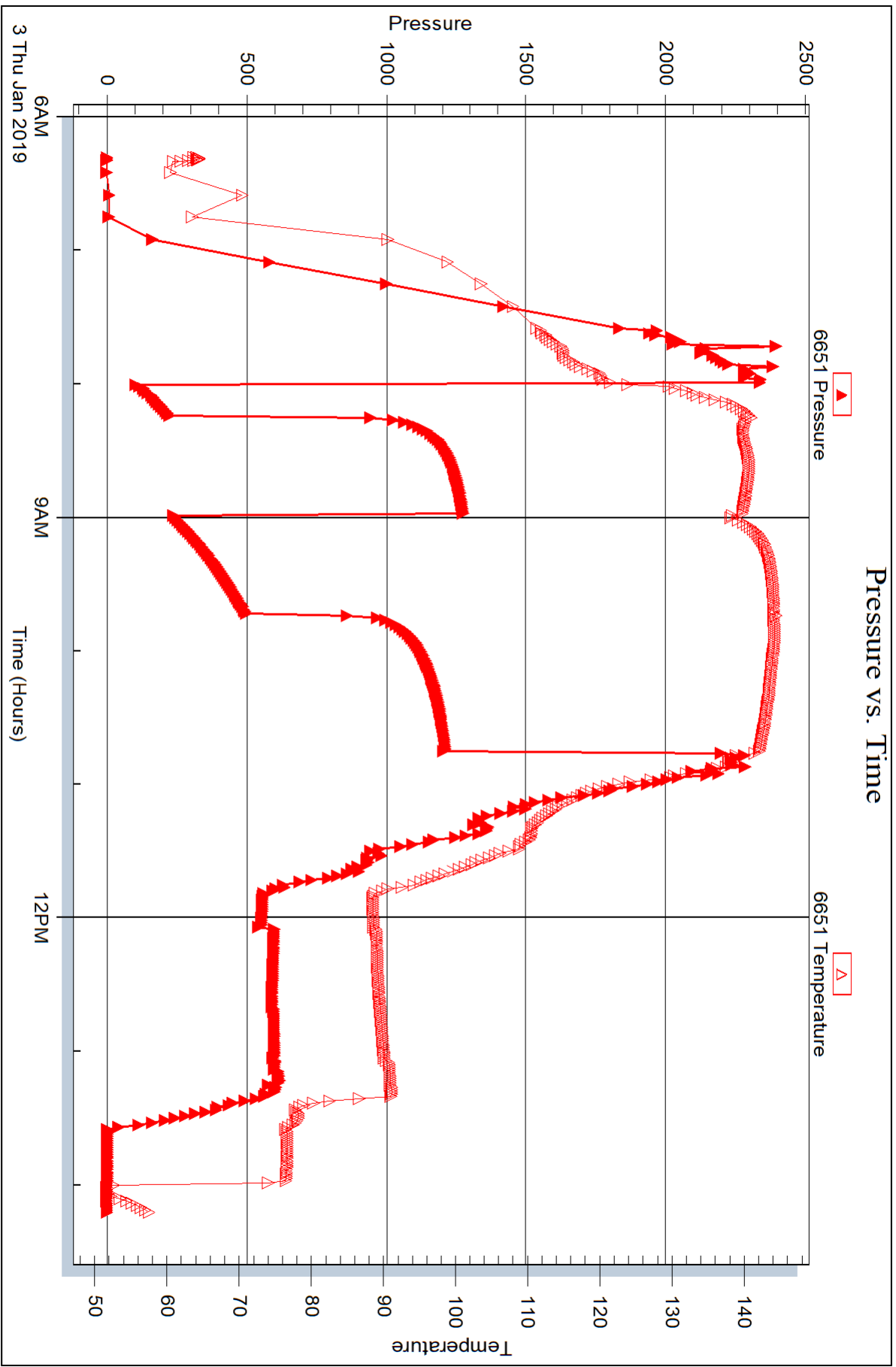
Serial #: 6651

Inside

Chizum Oil LLC

Gaskill #1-32

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC**

PO Box 123
Andover, KS 67002

ATTN: Tim Priest

Gaskill #1-32

35-7-37 Sherman,KS

Start Date: 2019.01.03 @ 23:12:32

End Date: 2019.01.04 @ 06:00:56

Job Ticket #: 64313 DST #: 2

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

Printed: 2019.01.07 @ 11:59:16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

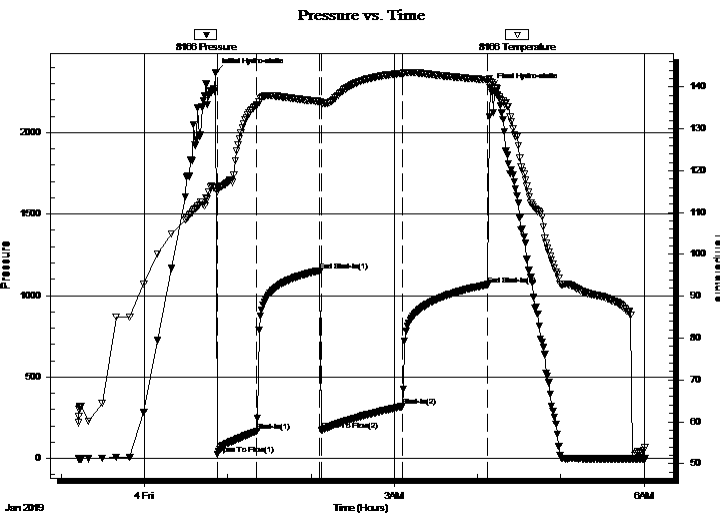
35-7-37 Sherman,KS
Gaskill #1-32
Job Ticket: 64313 **DST#: 2**
Test Start: 2019.01.03 @ 23:12:32

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 00:52:27 Tester: Brandon Turley
Time Test Ended: 06:00:56 Unit No: 79
Interval: 4640.00 ft (KB) To 4684.00 ft (KB) (TVD) Reference Elevations: 3468.00 ft (KB)
Total Depth: 4684.00 ft (KB) (TVD) 3463.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
Press@RunDepth: 319.47 psig @ 4645.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.01.03 End Date: 2019.01.04 Last Calib.: 2019.01.04
Start Time: 23:12:32 End Time: 06:00:56 Time On Btm: 2019.01.04 @ 00:51:27
Time Off Btm: 2019.01.04 @ 04:08:56

TEST COMMENT: IF: BOB in 7 min. 29"
IS: 4 1/2"
FF: BOB in 10 min. 40"
FS: 5 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2369.32	115.91	Initial Hydro-static
1	25.05	114.92	Open To Flow (1)
30	166.98	135.67	Shut-In(1)
75	1152.89	136.58	End Shut-In(1)
76	173.21	136.26	Open To Flow (2)
135	319.47	143.24	Shut-In(2)
196	1066.58	141.71	End Shut-In(2)
198	2276.40	141.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	mcw 95%w 5%m	2.44
189.00	mcw 80%w 20%m	2.65
189.00	ocw m 10%o 20%w 70%m	2.65
63.00	go 10%g 90%o	0.88
0.00	189 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil LLC

35-7-37 Sherman, KS

PO Box 123
Andover, KS 67002

Gaskill #1-32

Job Ticket: 64313

DST#: 2

ATTN: Tlm Priest

Test Start: 2019.01.03 @ 23:12:32

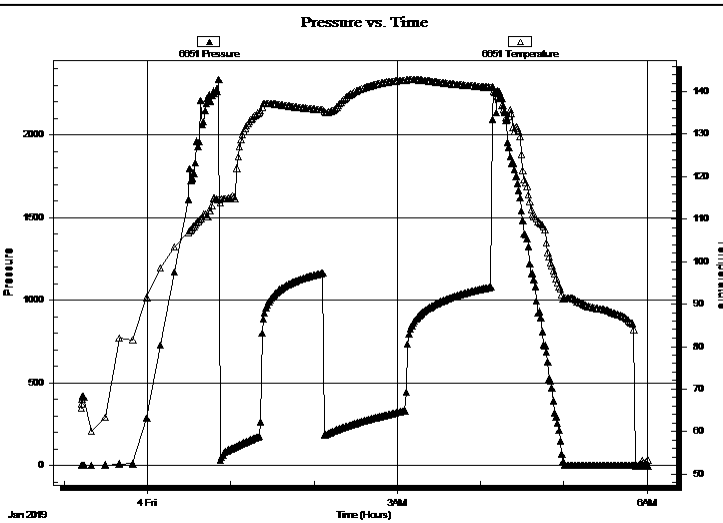
GENERAL INFORMATION:

Formation: Pawnee
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:52:27
Time Test Ended: 06:00:56
Interval: 4640.00 ft (KB) To 4684.00 ft (KB) (TVD)
Total Depth: 4684.00 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: 3468.00 ft (KB)
 3463.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6651 Inside

Press@RunDepth: psig @ 4645.00 ft (KB)
Capacity: 8000.00 psig
Start Date: 2019.01.03 **End Date:** 2019.01.04 **Last Calib.:** 2019.01.04
Start Time: 23:12:31 **End Time:** 06:00:55 **Time On Btm:**
Time Off Btm:

TEST COMMENT: IF: BOB in 7 min. 29"
 IS: 4 1/2"
 FF: BOB in 10 min. 40"
 FS: 5 1/2"



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

Length (ft)	Description	Volume (bbl)
252.00	mcw 95%w 5%m	2.44
189.00	mcw 80%w 20%m	2.65
189.00	ocw m 10%o 20%w 70%m	2.65
63.00	go 10%g 90%o	0.88
0.00	189 GIP	0.00

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil LLC

35-7-37 Sherman,KS

PO Box 123
Andover, KS 67002

Gaskill #1-32

Job Ticket: 64313

DST#: 2

ATTN: Tlm Priest

Test Start: 2019.01.03 @ 23:12:32

Tool Information

Drill Pipe:	Length: 4511.00 ft	Diameter: 3.80 inches	Volume: 63.28 bbl	Tool Weight: 2000.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 63.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4640.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	64.00 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			4625.00	
Shut In Tool	5.00			4630.00	
Hydraulic tool	5.00			4635.00	
Packer	5.00			4640.00	16.00 Bottom Of Top Packer
Packer - Shale	4.00			4644.00	
Stubb	1.00			4645.00	
Recorder	0.00	6651	Inside	4645.00	
Recorder	0.00	8166	Outside	4645.00	
Perforations	4.00			4649.00	
Change Over Sub	1.00			4650.00	
Drill Pipe	32.00			4682.00	
Change Over Sub	1.00			4683.00	
Bullnose	5.00			4688.00	48.00 Anchor Tool

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil LLC

35-7-37 Sherman,KS

PO Box 123
Andover, KS 67002

Gaskill #1-32

Job Ticket: 64313

DST#: 2

ATTN: TIm Priest

Test Start: 2019.01.03 @ 23:12:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

64000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

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 bbbl
252.00	mcw 95%w 5%m	2.442
189.00	mcw 80%w 20%m	2.651
189.00	ocw m 10%o 20%w 70%m	2.651
63.00	go 10%g 90%o	0.884
0.00	189 GIP	0.000

Total Length: 693.00 ft Total Volume: 8.628 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

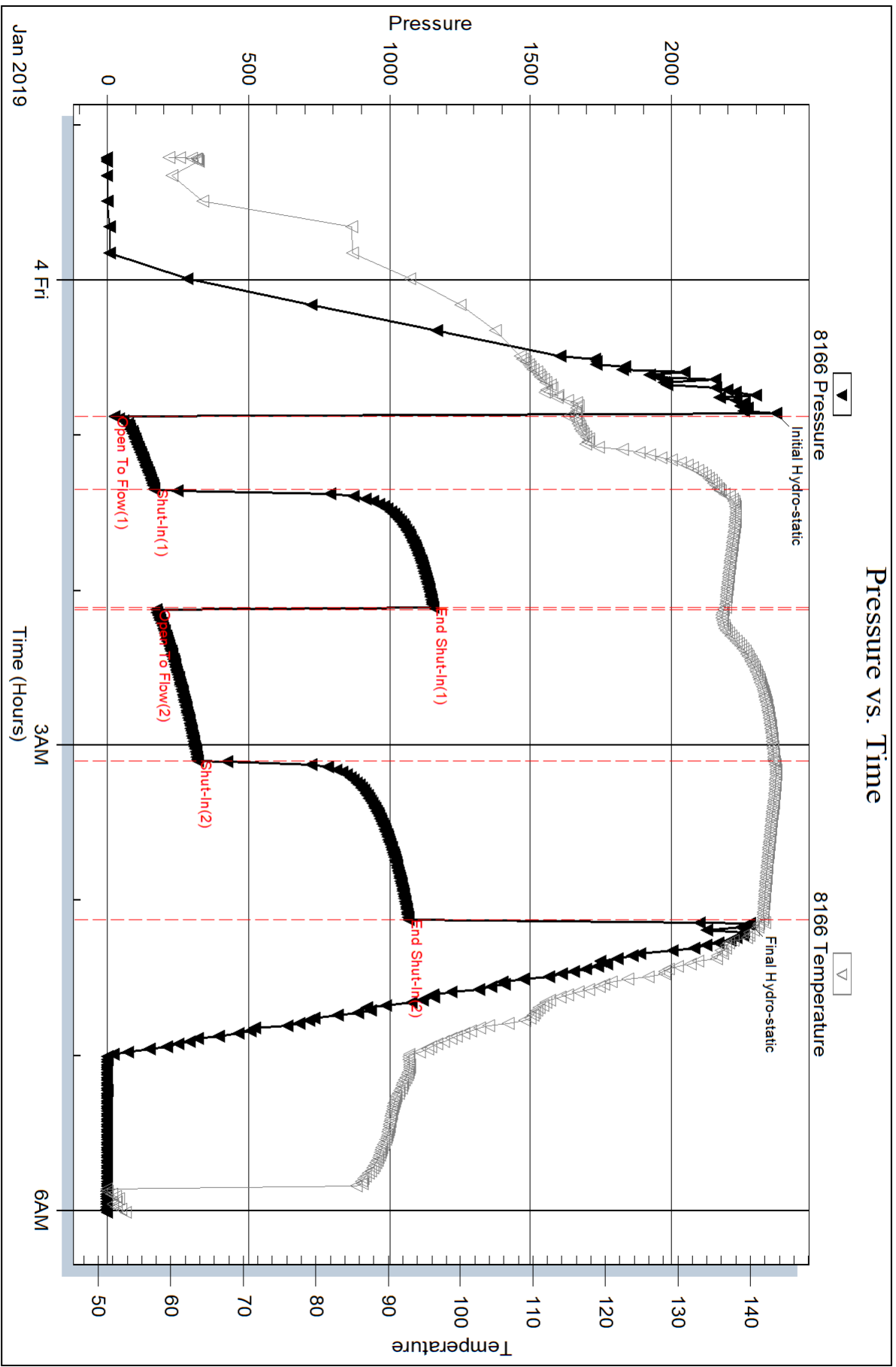
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 38@40=40

.27@32=64000



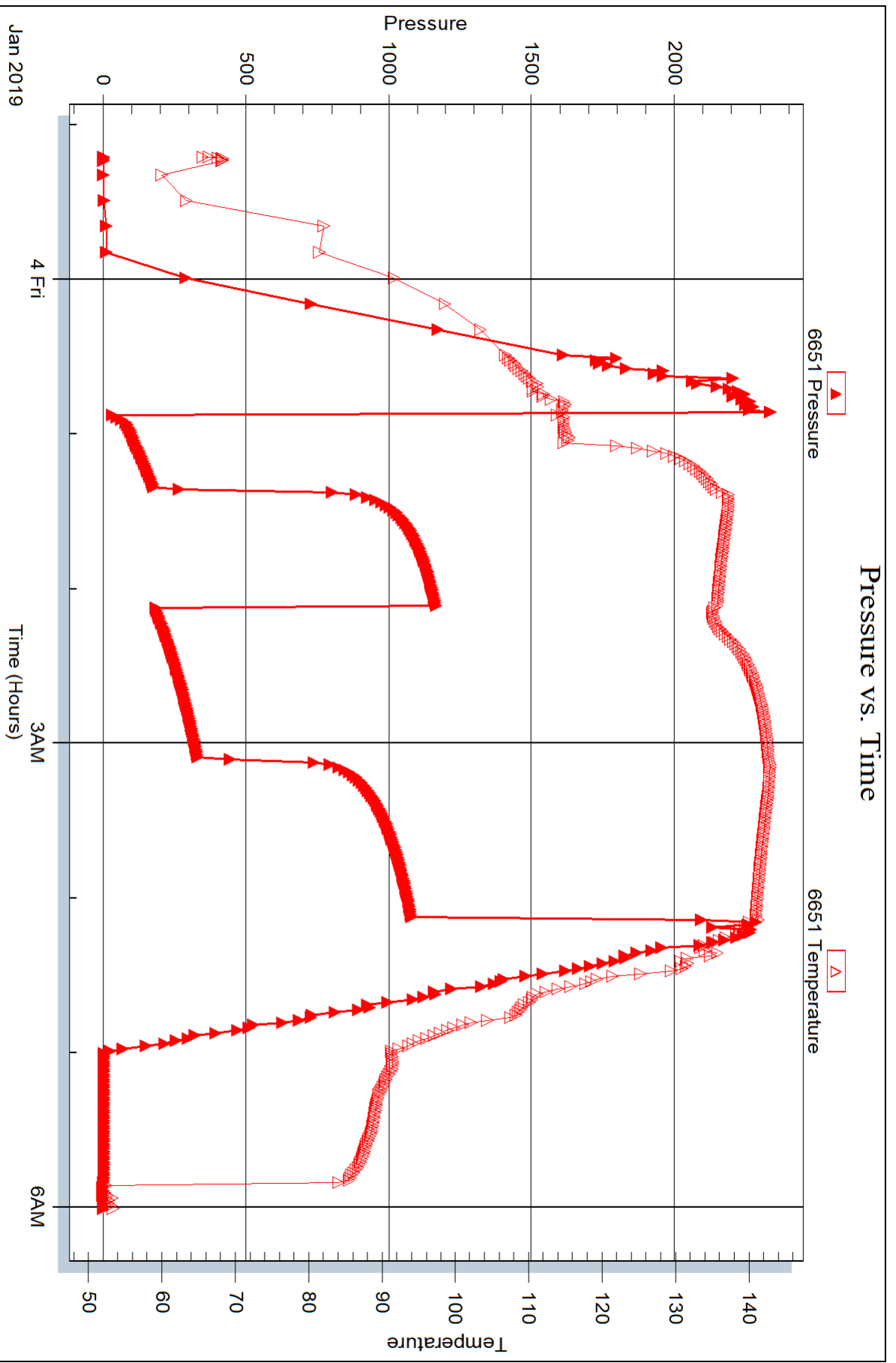
Serial #: 6651

Inside

Chizum Oil LLC

Gaskill #1-32

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC**

PO Box 123
Andover, KS 67002

ATTN: Tim Priest

Gaskill #1-32

35-7-37 Sherman,KS

Start Date: 2019.01.04 @ 23:30:02

End Date: 2019.01.05 @ 07:02:02

Job Ticket #: 64314 DST #: 3

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

Printed: 2019.01.07 @ 11:58:54



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

35-7-37 Sherman, KS
Gaskill #1-32
 Job Ticket: 64314 **DST#: 3**
 Test Start: 2019.01.04 @ 23:30:02

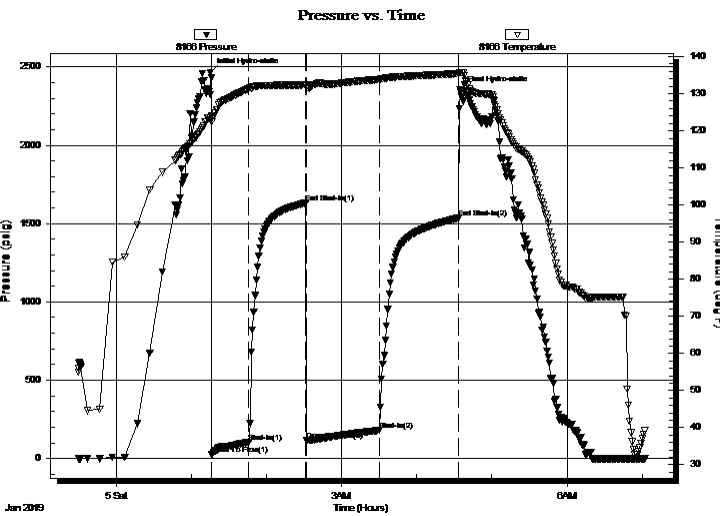
GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:16:32
 Time Test Ended: 07:02:02
 Interval: **4751.00 ft (KB) To 4814.00 ft (KB) (TVD)**
 Total Depth: 4645.00 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: 3468.00 ft (KB)
 3463.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 179.43 psig @ 4756.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.01.04 End Date: 2019.01.05 Last Calib.: 2019.01.05
 Start Time: 23:30:07 End Time: 07:02:01 Time On Btm: 2019.01.05 @ 01:15:32
 Time Off Btm: 2019.01.05 @ 04:34:32

TEST COMMENT: IF: BOB in 12 min. 18 1/2"
 IS: Surface blow built to 2"
 FF: BOB in 25 min. 19"
 FS: Surface blow built to 2 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2465.01	123.54	Initial Hydro-static
1	24.99	122.43	Open To Flow (1)
31	104.43	131.39	Shut-In(1)
76	1631.51	132.39	End Shut-In(1)
77	115.55	131.73	Open To Flow (2)
135	179.43	133.82	Shut-In(2)
198	1534.30	135.38	End Shut-In(2)
199	2351.69	135.73	Final Hydro-static

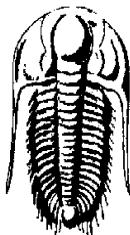
Recovery

Length (ft)	Description	Volume (bbl)
189.00	gocm 10%g 30%o 60%m	1.56
315.00	go 10%g 90%o	4.42
0.00	189 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil LLC

35-7-37 Sherman, KSPO Box 123
Andover, KS 67002**Gaskill #1-32**

Job Ticket: 64314

DST#: 3

ATTN: TIm Priest

Test Start: 2019.01.04 @ 23:30:02

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:16:32

Time Test Ended: 07:02:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4751.00 ft (KB) To 4814.00 ft (KB) (TVD)

Reference Elevations: 3468.00 ft (KB)

Total Depth: 4645.00 ft (KB) (TVD)

3463.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6651 Inside

Press@RunDepth: psig @ 4756.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.01.04

End Date:

2019.01.05

Last Calib.:

2019.01.05

Start Time: 23:30:38

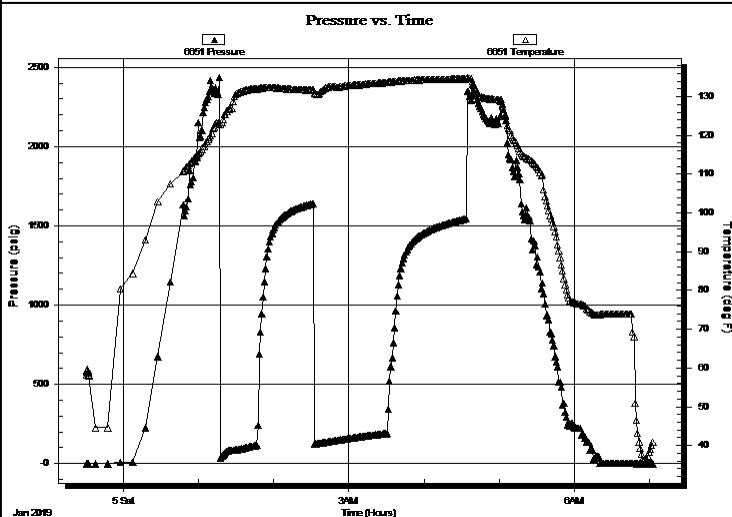
End Time:

07:02:32

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB in 12 min. 18 1/2"
IS: Surface blow built to 2"
FF: BOB in 25 min. 19"
FS: Surface blow built to 2 1/2"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
189.00	gocm 10%g 30%o 60%m	1.56
315.00	go 10%g 90%o	4.42
0.00	189 GIP	0.00

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

35-7-37 Sherman,KS

PO Box 123
Andover, KS 67002

Gaskill #1-32

Job Ticket: 64314

DST#: 3

ATTN: Tlm Priest

Test Start: 2019.01.04 @ 23:30:02

Tool Information

Drill Pipe:	Length: 4638.00 ft	Diameter: 3.80 inches	Volume: 65.06 bbl	Tool Weight: 2000.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 65.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4751.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	83.00 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			4736.00	
Shut In Tool	5.00			4741.00	
Hydraulic tool	5.00			4746.00	
Packer	5.00			4751.00	16.00 Bottom Of Top Packer
Packer - Shale	4.00			4755.00	
Stubb	1.00			4756.00	
Recorder	0.00	6651	Inside	4756.00	
Recorder	0.00	8166	Outside	4756.00	
Perforations	24.00			4780.00	
Change Over Sub	1.00			4781.00	
Drill Pipe	31.00			4812.00	
Change Over Sub	1.00			4813.00	
Bullnose	5.00			4818.00	67.00 Anchor Tool

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil LLC

35-7-37 Sherman,KS

PO Box 123
Andover, KS 67002

Gaskill #1-32

Job Ticket: 64314

DST#: 3

ATTN: TIm Priest

Test Start: 2019.01.04 @ 23:30:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.88 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	gocm 10%g 30%o 60%m	1.558
315.00	go 10%g 90%o	4.419
0.00	189 GIP	0.000

Total Length: 504.00 ft Total Volume: 5.977 bbl

Num Fluid Samples: 0

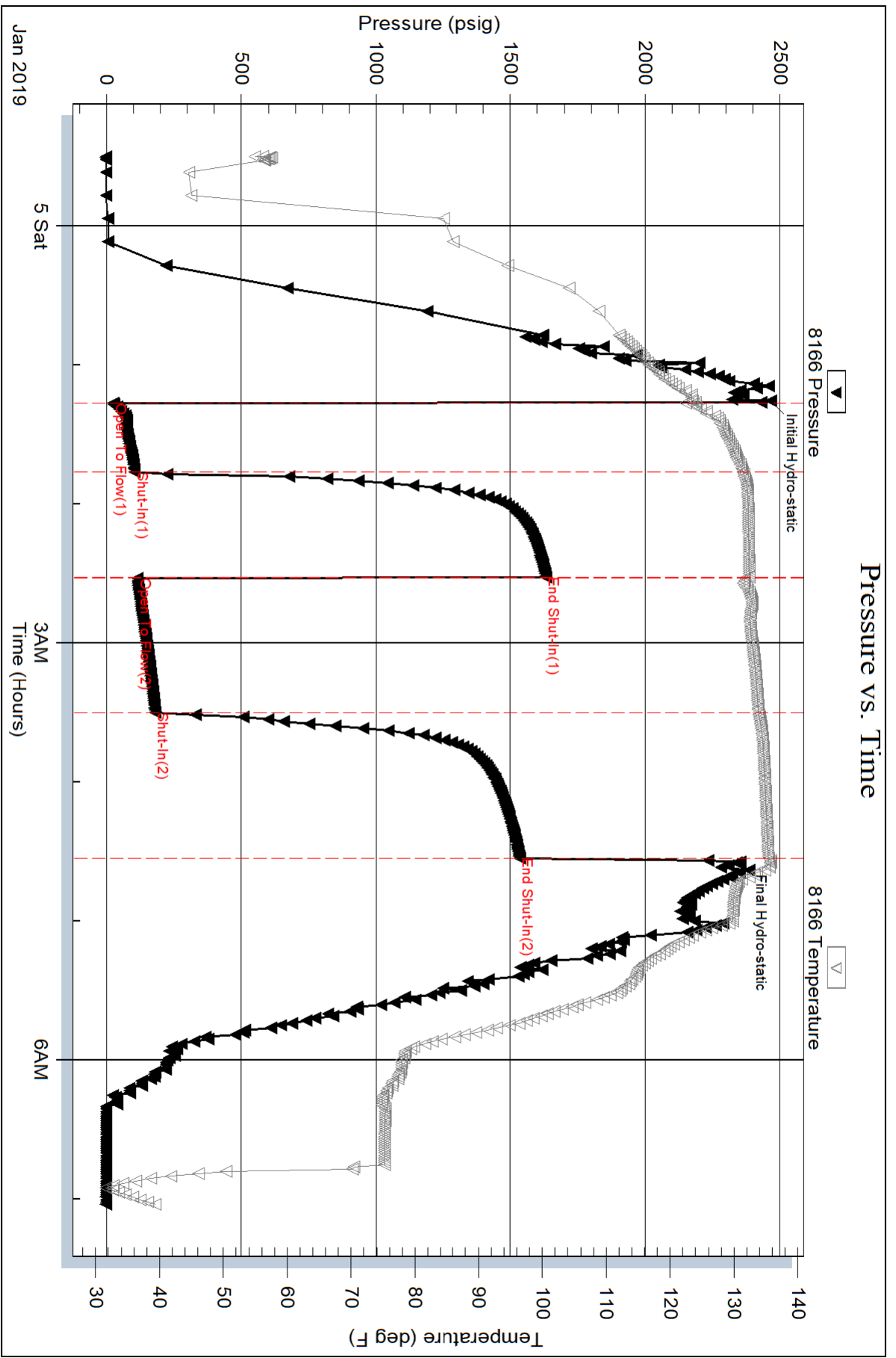
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 24@50=25



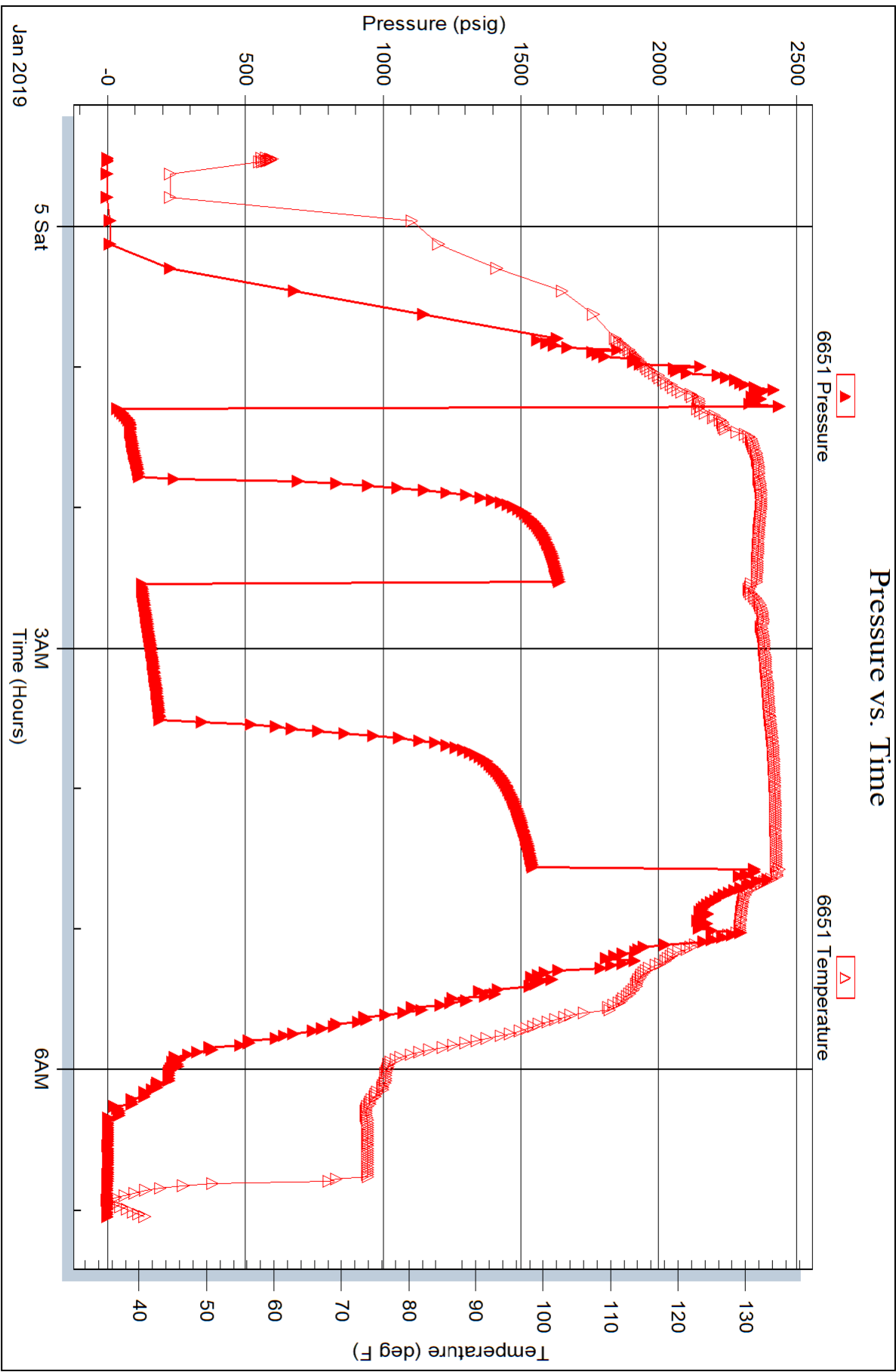
Serial #: 6651

Inside

Chizum Oil LLC

Gaskill #1-32

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64312

Well Name & No. 695k, 11 1-32 Test No. 1 Date 1-3-19
 Company Chizum oil LLL Elevation 3468 KB 3463 GL
 Address P.O. Box 123 Andover, KS 67002
 Co. Rep / Geo. Tim Priest Rig WW #10
 Location: Sec. 35 Twp 7 Rge. 37 Co. Sherman State KS

Interval Tested 4610 4645 Zone Tested Merton C
 Anchor Length 35 Drill Pipe Run 4479 Mud Wt. 9.3
 Top Packer Depth 4605 Drill Collars Run 120 Vis 59
 Bottom Packer Depth 4610 Wt. Pipe Run ✓ WL 9.6
 Total Depth 4645 Chlorides 4400 ppm System LCM 1
 Blow Description IF: BoB in 2 min. 49"
IS: 11" blow back.
FF: BoB in 2 min. 106"
FS: BoB in 25 min. 17"

Rec	Feet of	%gas	%oil	%water	%mud
<u>1053</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>189</u>	<u>OCMW</u>		<u>5</u>	<u>75</u>	<u>20</u>
	<u>711 GIP</u>				

Rec Total 1242 BHT 143 Gravity 26 API RW .25 @ 52° F Chlorides 38,000 ppm

(A) Initial Hydrostatic 2337 Test 1150 T-On Location 5:45
 (B) First Initial Flow 82 Jars _____ T-Started 6:18
 (C) First Final Flow 210 Safety Joint _____ T-Open 8:01
 (D) Initial Shut-In 1262 Circ Sub 50.00 T-Pulled 10:46
 (E) Second Initial Flow 225 Hourly Standby _____ T-Out 14:15
 (F) Second Final Flow 486 Mileage 194- 156rt Comments out of town
 (G) Final Shut-In 1200 Sampler _____
 (H) Final Hydrostatic 2283 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1606
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1606

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. 64313

Well Name & No. G7skill 1-32 Test No. 2 Date 1-3-19
 Company Chilum oil LLC Elevation 3468 KB 3463 GL
 Address _____
 Co. Rep / Geo. Tim Priest Rig WW#10
 Location: Sec. 35 Twp 7 Rge. 37 Co. Sherman State KS

Interval Tested 4640 4684 Zone Tested Pawnee
 Anchor Length _____ Drill Pipe Run 4511 Mud Wt. 9.4
 Top Packer Depth _____ Drill Collars Run 120 Vis 51
 Bottom Packer Depth _____ Wt. Pipe Run _____ WL 7.2
 Total Depth 4684 Chlorides 4000 ppm System LCM 1
 Blow Description ±F: BoB in 7 min. 29"
IS: 4 1/2"
FF: Bo.B in 10 min. 40"
FS: 5 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>90</u>	<u>10</u>	<u>90</u>		
<u>189</u>	<u>ocwm</u>	<u>10</u>	<u>20</u>	<u>70</u>	
<u>189</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
<u>252</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	

Rec Total 693 BHT 141 Gravity 40 API RW .27 @ 32° F Chlorides 64,000 ppm

(A) Initial Hydrostatic 2369 Test 1150 T-On Location 22:30
 (B) First Initial Flow 25 Jars _____ T-Started 23:12
 (C) First Final Flow 166 Safety Joint _____ T-Open 00:51
 (D) Initial Shut-In 1152 Circ Sub NLC T-Pulled 4:06
 (E) Second Initial Flow 173 Hourly Standby _____ T-Out 6:00
 (F) Second Final Flow 319 Mileage 194- 156 Comments out of town pay
 (G) Final Shut-In 1066 Sampler _____
 (H) Final Hydrostatic 2276 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1556
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1556

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

Approved By _____ Our Representative

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64314

4/10

Well Name & No. Gaskill 1-32 Test No. 3 Date 1-4-19
 Company Chizum oil LLC Elevation 3468 KB 3463 GL
 Address _____
 Co. Rep / Geo. T.M Priest Rig WUJ #10
 Location: Sec. 35 Twp 7 Rge. 37 Co. Sherman State Ks

Interval Tested 4751 4814 Zone Tested Johnson
 Anchor Length 63 Drill Pipe Run 4638 Mud Wt. 9.2
 Top Packer Depth 4746 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 4751 Wt. Pipe Run _____ WL 8.9
 Total Depth 4814 Chlorides 5500 ppm System LCM 1

Blow Description IF: BoB in 12 min. 18 1/2
IS: Surface blow built to 2.
FF: BoB in 25 min. 19'
FS: Surface blow built to 2 1/2.

Rec	Feet of	%gas	%oil	%water	%mud
<u>315</u>	<u>90</u>	<u>10</u>	<u>90</u>		
<u>189</u>	<u>90 GM</u>	<u>10</u>	<u>30</u>		<u>60</u>
	<u>189 GIP</u>				

Rec Total 504 BHT 135 Gravity 25 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2465 Test 1050 T-On Location 23:20
 (B) First Initial Flow 24 Jars _____ T-Started 23:30
 (C) First Final Flow 104 Safety Joint _____ T-Open 1:17
 (D) Initial Shut-In 1631 Circ Sub NIC T-Pulled 4:32
 (E) Second Initial Flow 115 Hourly Standby _____ T-Out 7:00
 (F) Second Final Flow 179 Mileage 194 156 Comments out of town pty
 (G) Final Shut-In 1534 Sampler _____
 (H) Final Hydrostatic 2351 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer 250 Ruined Packer _____
 Initial Shut-In 45 Extra Packer _____ Extra Copies _____
 Final Flow 60 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1556
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1556

Approved By _____ Our Representative [Signature]

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