



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 58th St
Newton, KS 67114

ATTN: Andrew Stenzel

Tombstone #1

32-16S-26W Ness,KS

Start Date: 2019.10.01 @ 13:08:00

End Date: 2019.10.01 @ 20:44:00

Job Ticket #: 65560 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2019.10.08 @ 09:08:45

Palomino Petroleum Inc

32-16S-26W Ness,KS

Tombstone #1

DST # 1

LKC " H - I "

2019.10.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65560

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2019.10.01 @ 13:08:00

GENERAL INFORMATION:

Formation: **LKC " H - I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:21:00

Time Test Ended: 20:44:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: **4110.00 ft (KB) To 4179.00 ft (KB) (TVD)**

Reference Elevations: 2657.00 ft (KB)

Total Depth: 4179.00 ft (KB) (TVD)

2652.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8734

Outside

Press@RunDepth: 148.19 psig @ 4111.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.01

End Date: 2019.10.01

Last Calib.: 2019.10.01

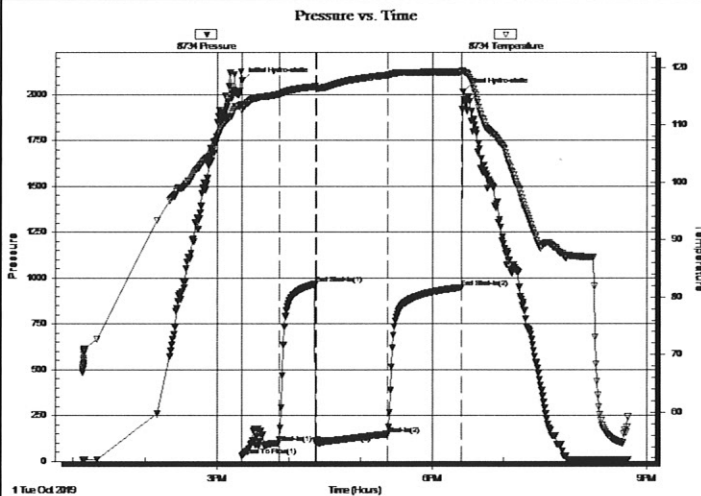
Start Time: 13:08:01

End Time: 20:44:00

Time On Btm: 2019.10.01 @ 15:20:50

Time Off Btm: 2019.10.01 @ 18:25:39

TEST COMMENT: 30-IF-1/4" blow built to B.O.B(11 inches) @ 20 mins (blow increased to 19 1/2")
30-ISI-S.blow back @ 2 mins built to 1/4" @ 15 mins & decreased to surface blow
60-FF-1/2" blow built to B.O.B(11 inches) @ 10 mins (blow increased to 52 3/4")
60-FSI-S.blow back ASASI built to 7"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.63	113.55	Initial Hydro-static
1	32.12	112.58	Open To Flow (1)
31	100.30	115.30	Shut-In(1)
61	966.24	116.66	End Shut-In(1)
63	99.71	116.37	Open To Flow (2)
122	148.19	118.67	Shut-In(2)
184	947.76	119.21	End Shut-In(2)
185	2013.68	119.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GSOVM 30%G,5%O,25%W,40%M	0.30
185.00	GSWMO 40%G,15%W,22%M,23%O	2.08
55.00	CGO 30%G, 70%O	0.77
0.00	900' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
Newton, KS 67114

Tombstone #1

Job Ticket: 65560

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2019.10.01 @ 13:08:00

GENERAL INFORMATION:

Formation: **LKC " H - I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:21:00

Time Test Ended: 20:44:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: **4110.00 ft (KB) To 4179.00 ft (KB) (TVD)**

Reference Elevations: 2657.00 ft (KB)

Total Depth: 4179.00 ft (KB) (TVD)

2652.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4111.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.01

End Date: 2019.10.01

Last Calib.: 2019.10.01

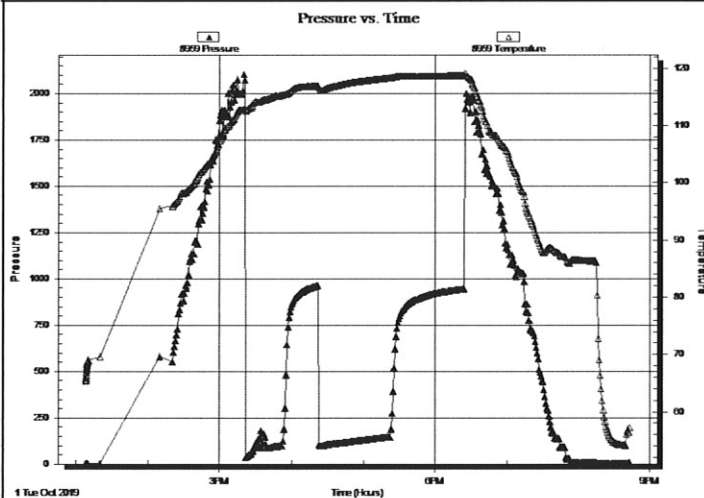
Start Time: 13:08:01

End Time: 20:43:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-1/4" blow built to B.O.B(11 inches) @ 20 mins (blow increased to 19 1/2")
30-ISI-S.blow back @ 2 mins built to 1/4" @ 15 mins & decreased to surface blow
60-FF-1/2" blow built to B.O.B(11 inches) @ 10 mins (blow increased to 52 3/4")
60-FSI-S.blow back ASASI built to 7"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GSOVM 30%G,5%O,25%W,40%M	0.30
185.00	GSWMO 40%G,15%W,22%M,23%O	2.08
55.00	CGO 30%G, 70%O	0.77
0.00	900' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65560

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2019.10.01 @ 13:08:00

Tool Information

Drill Pipe:	Length: 3984.00 ft	Diameter: 3.80 inches	Volume: 55.89 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 56.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4110.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 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
Shut In Tool	5.00			4087.00	
Hydraulic tool	5.00	1113		4092.00	
Jars	5.00	01-07		4097.00	
Safety Joint	3.00	-001		4100.00	
Packer	5.00			4105.00	28.00 Bottom Of Top Packer
Packer	5.00			4110.00	
Stubb	1.00			4111.00	
Recorder	0.00	8959	Inside	4111.00	
Recorder	0.00	8734	Outside	4111.00	
Perforations	30.00			4141.00	
Change Over Sub	1.00			4142.00	
Drill Pipe	31.00			4173.00	
Change Over Sub	1.00			4174.00	
Bullnose	5.00			4179.00	69.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65560

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2019.10.01 @ 13:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GSOWM 30%G,5%O,25%W,40%M	0.295
185.00	GSWMO 40%G,15%W,22%M,23%O	2.076
55.00	CGO 30%G, 70%O	0.772
0.00	900' GIP	0.000

Total Length: 300.00 ft Total Volume: 3.143 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 36.6 @ 56 degs corrected to 37 @ 60 degs

RW= .250 @ 56 = 38,000PPM

Some severe plugging on the IFP

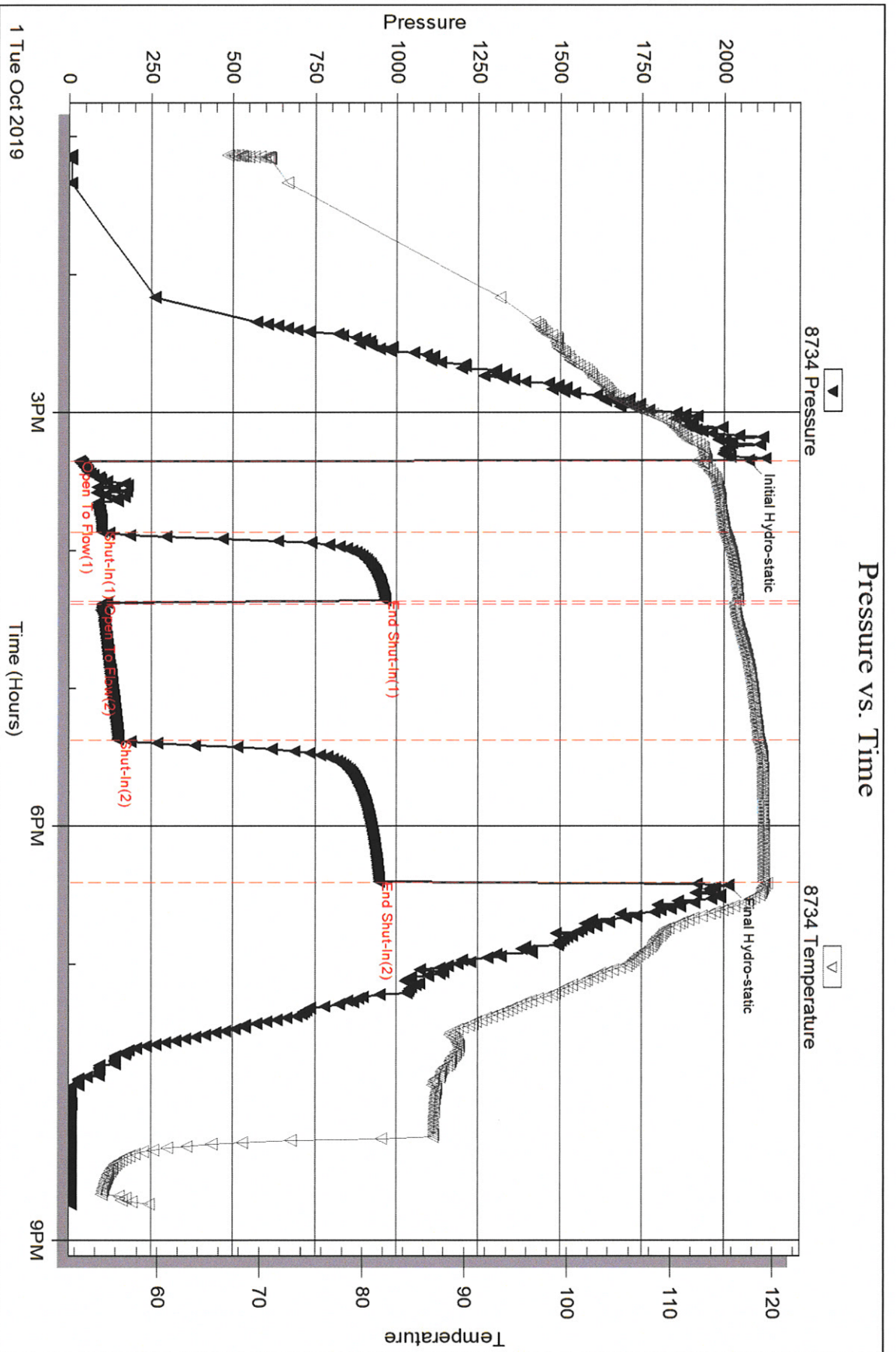
Serial #: 8734

Outside

Palomino Petroleum Inc

Tombstone #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65560

Printed: 2019.10.08 @ 09:08:46

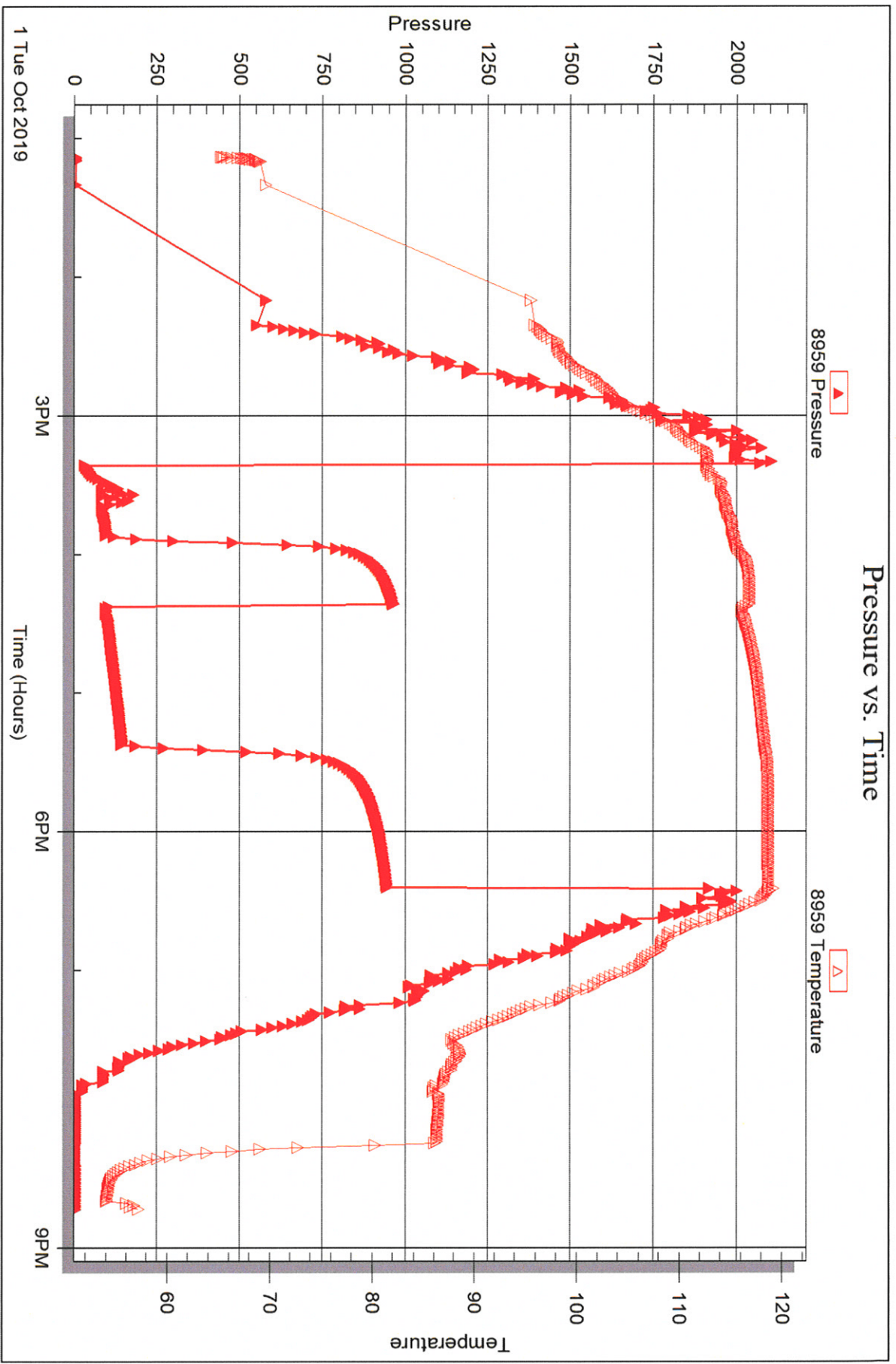
Serial #: 8959

Inside

Palomino Petroleum Inc

Tombstone #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65560

Printed: 2019.10.08 @ 09:08:46



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 58th St
Newton, KS 67114

ATTN: Andrew Stenzel

Tombstone #1

32-16S-26W Ness,KS

Start Date: 2019.10.02 @ 04:25:00

End Date: 2019.10.02 @ 10:57:30

Job Ticket #: 65561 DST #: 2

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

Printed: 2019.10.08 @ 09:08:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65561

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2019.10.02 @ 04:25:00

GENERAL INFORMATION:

Formation: **LKC " J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:06:10

Time Test Ended: 10:57:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: **4178.00 ft (KB) To 4214.00 ft (KB) (TVD)**

Reference Elevations: 2657.00 ft (KB)

Total Depth: 4214.00 ft (KB) (TVD)

2652.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8734

Outside

Press@RunDepth: 34.81 psig @ 4179.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.02 End Date: 2019.10.02

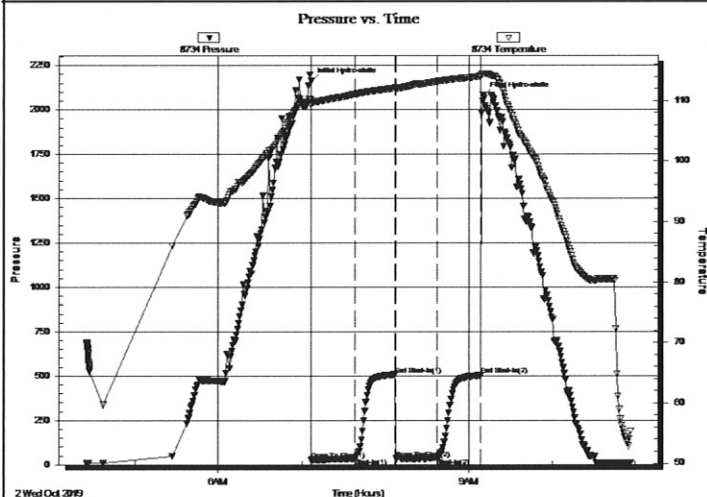
Last Calib.: 2019.10.02

Start Time: 04:25:01 End Time: 10:57:30

Time On Btm: 2019.10.02 @ 07:06:00

Time Off Btm: 2019.10.02 @ 09:10:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2161.32	110.08	Initial Hydro-static
1	27.52	109.33	Open To Flow (1)
33	37.34	111.04	Shut-In(1)
62	507.06	112.07	End Shut-In(1)
62	33.41	111.91	Open To Flow (2)
92	34.81	113.15	Shut-In(2)
123	502.33	114.01	End Shut-In(2)
125	2079.78	114.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% Mud	0.10
0.00	Oil spots in tool	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65561

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2019.10.02 @ 04:25:00

GENERAL INFORMATION:

Formation: **LKC " J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:06:10

Time Test Ended: 10:57:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: **4178.00 ft (KB) To 4214.00 ft (KB) (TVD)**

Reference Elevations: 2657.00 ft (KB)

Total Depth: 4214.00 ft (KB) (TVD)

2652.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4179.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.02 End Date: 2019.10.02

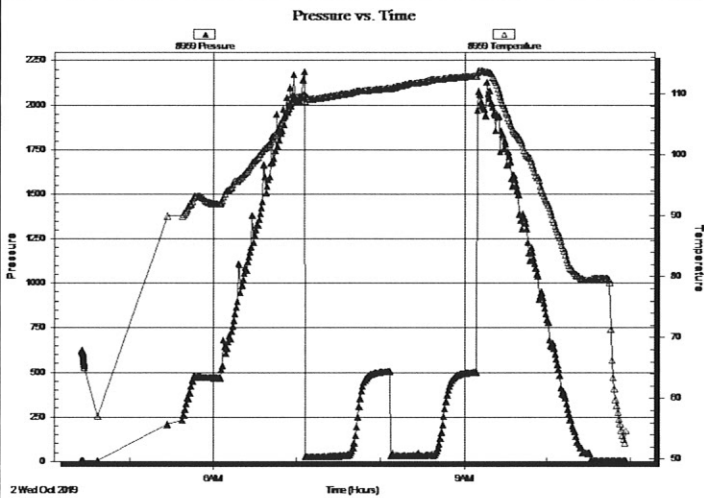
Last Calib.: 2019.10.02

Start Time: 04:25:01 End Time: 10:57:20

Time On Btm:

Time Off Btm:

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



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% Mud	0.10
0.00	Oil spots in tool	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

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65561

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2019.10.02 @ 04:25:00

Tool Information

Drill Pipe:	Length: 4047.00 ft	Diameter: 3.80 inches	Volume: 56.77 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 57.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4178.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 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
Change Over Sub	1.00			4151.00	
Shut In Tool	5.00			4156.00	
Hydraulic tool	5.00	1113		4161.00	
Jars	5.00	01-07		4166.00	
Safety Joint	3.00	-001		4169.00	
Packer	5.00			4174.00	28.00 Bottom Of Top Packer
Packer	4.00			4178.00	
Stubb	1.00			4179.00	
Recorder	0.00	8959	Inside	4179.00	
Recorder	0.00	8734	Outside	4179.00	
Perforations	30.00			4209.00	
Bullnose	5.00			4214.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65561

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2019.10.02 @ 04:25:00

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% Mud	0.098
0.00	Oil spots in tool	0.000

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

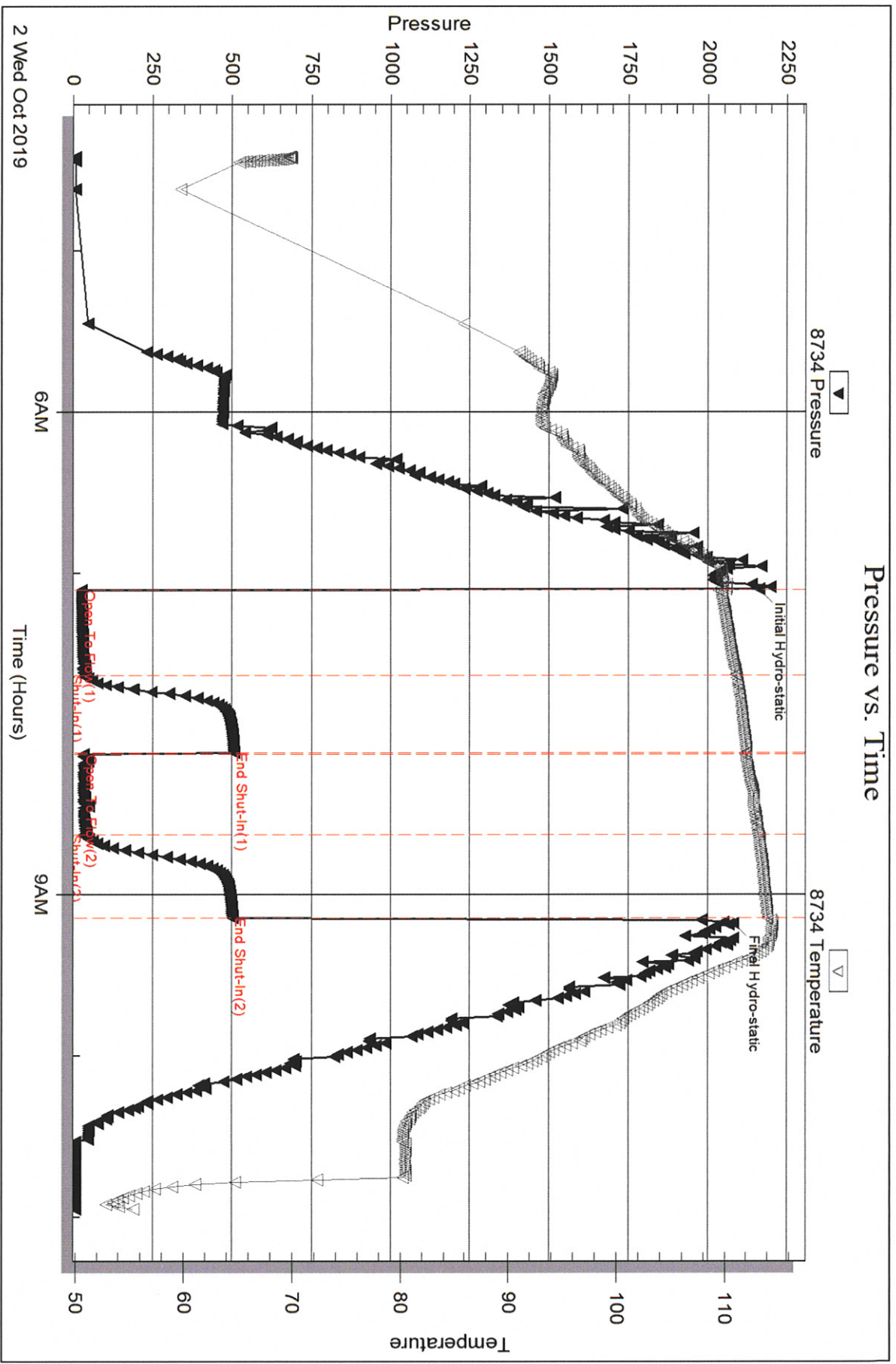
Recovery Comments:

Serial #: 8734

Outside Palomino Petroleum Inc

Tombstone #1

DST Test Number: 2



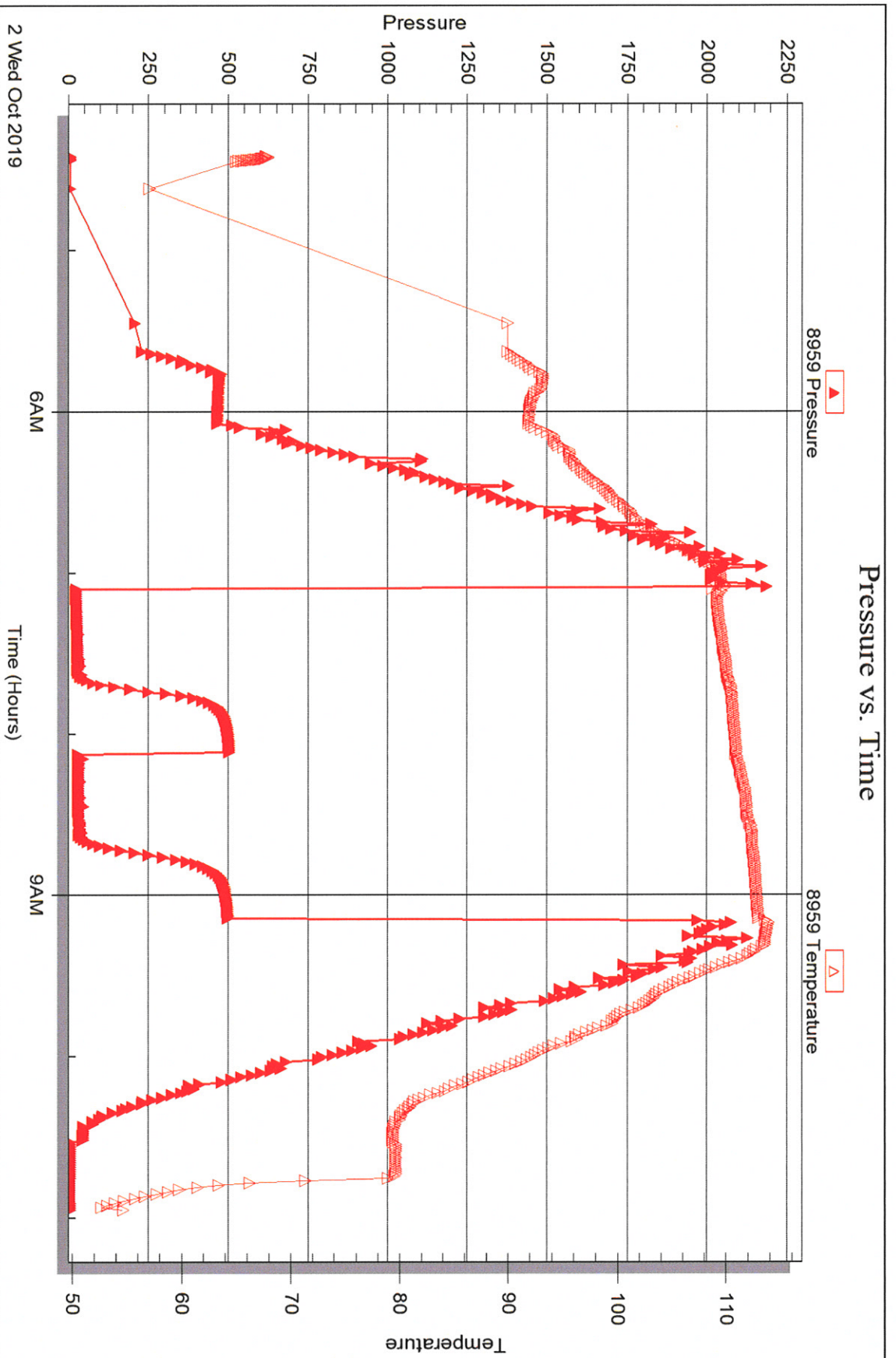
Serial #: 8959

Inside

Palomino Petroleum Inc

Tombstone #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65561

Printed: 2019.10.08 @ 09:08:22



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 58th St
Newton, KS 67114

ATTN: Andrew Stenzel

Tombstone #1

32-16S-26W Ness,KS

Start Date: 2019.10.02 @ 22:19:00

End Date: 2019.10.03 @ 05:19:50

Job Ticket #: 65562 DST #: 3

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

Printed: 2019.10.08 @ 09:07:45

Palomino Petroleum Inc 32-16S-26W Ness,KS Tombstone #1 DST # 3 LKC " L " 2019:10:02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
Newton, KS 67114

Tombstone #1

Job Ticket: 65562

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2019.10.02 @ 22:19:00

GENERAL INFORMATION:

Formation: **LKC " L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:42:50

Time Test Ended: 05:19:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: **4238.00 ft (KB) To 4278.00 ft (KB) (TVD)**

Reference Elevations: 2657.00 ft (KB)

Total Depth: 4278.00 ft (KB) (TVD)

2652.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8734

Outside

Press@RunDepth: 47.07 psig @ 4239.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.02

End Date: 2019.10.03

Last Calib.: 2019.10.03

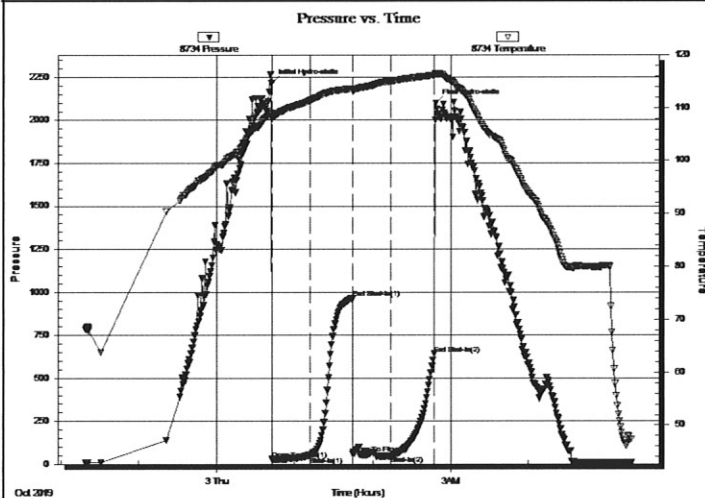
Start Time: 22:19:01

End Time: 05:19:50

Time On Btm: 2019.10.03 @ 00:42:40

Time Off Btm: 2019.10.03 @ 02:48:20

TEST COMMENT: 30-IF-Surface blow built to 2"
30-ISI-No blow back
30-FF-Surface blow built to 1"
30-FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.39	109.06	Initial Hydro-static
1	27.63	107.94	Open To Flow (1)
29	43.18	111.35	Shut-In(1)
62	962.85	113.56	End Shut-In(1)
62	61.09	113.13	Open To Flow (2)
91	47.07	115.04	Shut-In(2)
124	641.77	116.17	End Shut-In(2)
126	2099.97	116.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	OSM 5%O, 95%M	0.20
0.00	Heavy oil spots in tool	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

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
Newton, KS 67114

Tombstone #1

Job Ticket: 65562

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2019.10.02 @ 22:19:00

Tool Information

Drill Pipe:	Length: 4110.00 ft	Diameter: 3.80 inches	Volume: 57.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 58.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4238.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 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			4211.00	
Shut In Tool	5.00			4216.00	
Hydraulic tool	5.00	1113		4221.00	
Jars	5.00	01-07		4226.00	
Safety Joint	3.00	-001		4229.00	
Packer	5.00			4234.00	28.00 Bottom Of Top Packer
Packer	4.00			4238.00	
Stubb	1.00			4239.00	
Recorder	0.00	8959	Inside	4239.00	
Recorder	0.00	8734	Outside	4239.00	
Perforations	34.00			4273.00	
Bullnose	5.00			4278.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65562

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2019.10.02 @ 22:19:00

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: 72.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	OSM 5%O, 95%M	0.197
0.00	Heavy oil spots in tool	0.000

Total Length: 40.00 ft

Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

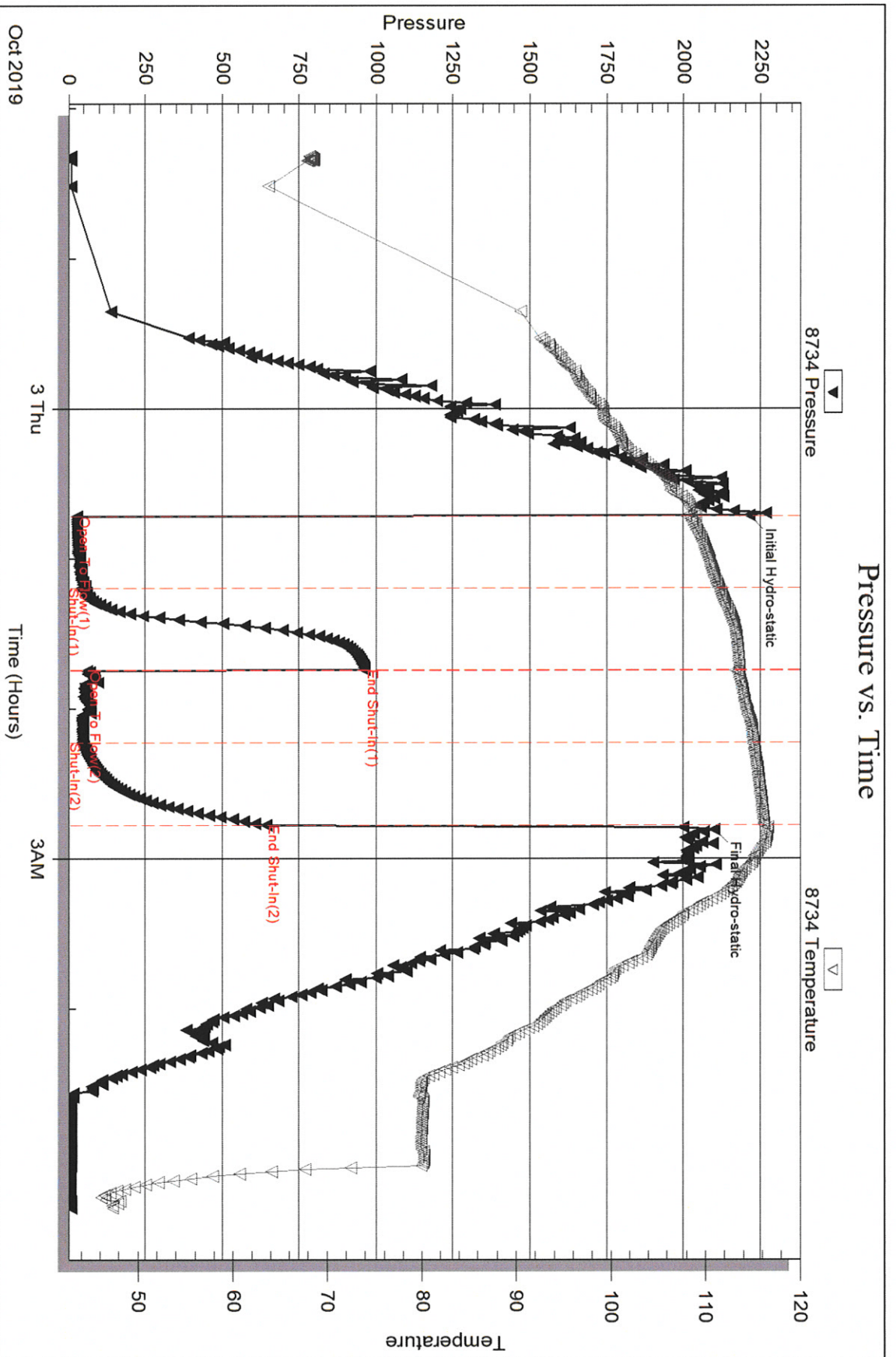
Recovery Comments:

Serial #: 8734

Outside Palominio Petroleum Inc

Tombstone #1

DST Test Number: 3



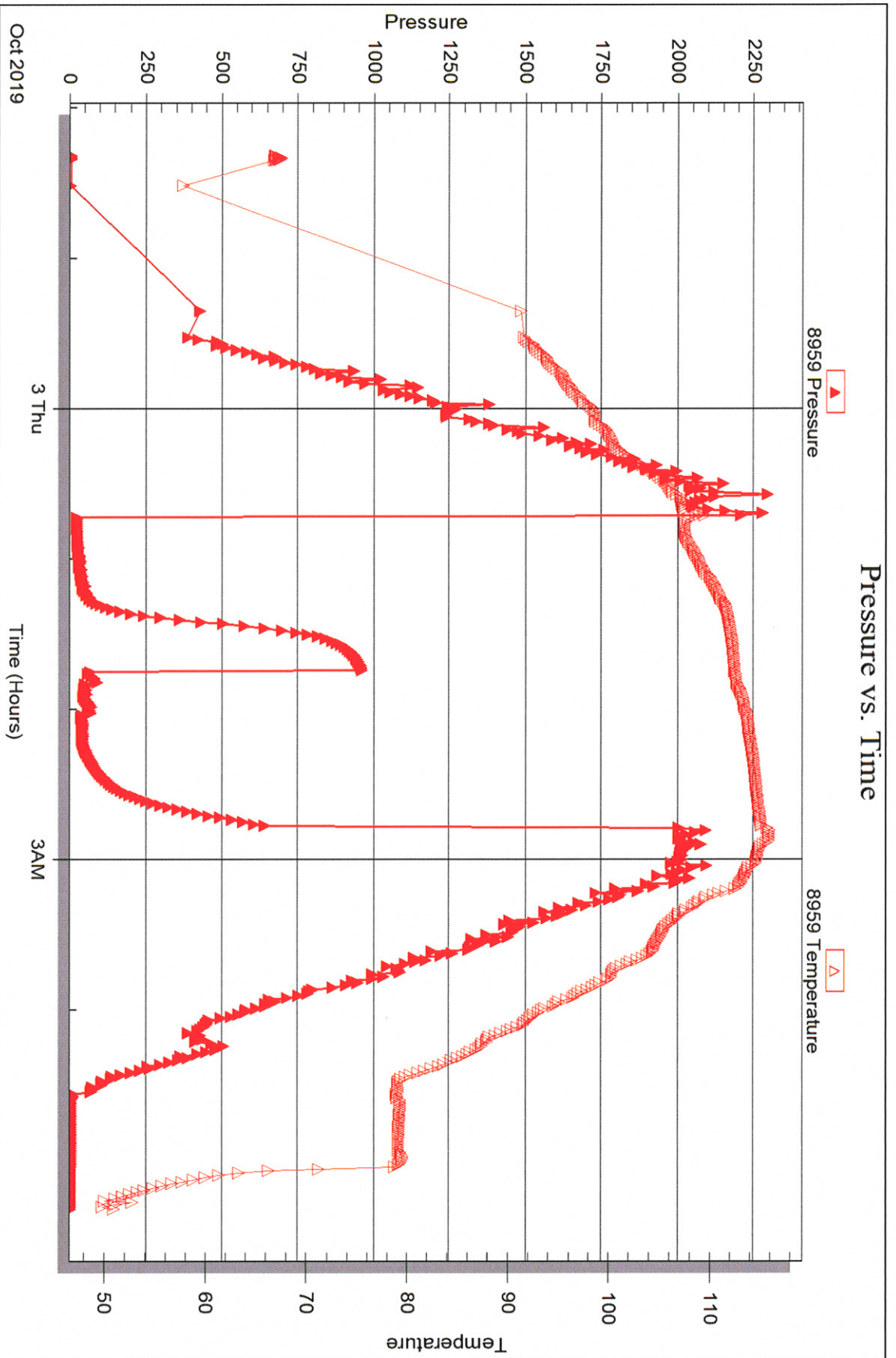
Serial #: 8959

Inside

Palomino Petroleum Inc

Tombstone #1

DST Test Number: 3



Tribolite Testing, Inc

Ref. No: 65562

Printed: 2019.10.08 @ 09:07:47



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 58th St
Newton, KS 67114

ATTN: Andrew Stenzel

Tombstone #1

32-16S-26W Ness,KS

Start Date: 2019.10.04 @ 11:51:00

End Date: 2019.10.04 @ 18:46:39

Job Ticket #: 65563 DST #: 4

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

Printed: 2019.10.08 @ 09:07:20

Palomino Petroleum Inc
32-16S-26W Ness,KS
Tombstone #1
DST # 4
Miss
2019.10.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65563

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2019.10.04 @ 11:51:00

GENERAL INFORMATION:

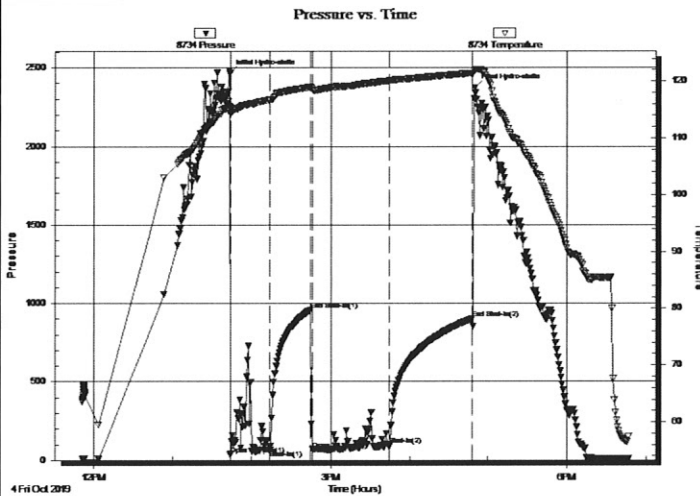
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:43:30
 Time Test Ended: 18:46:39
 Interval: **4514.00 ft (KB) To 4605.00 ft (KB) (TVD)**
 Total Depth: 4605.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 2657.00 ft (KB)
 2652.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8734

Outside

Press@RunDepth: 94.65 psig @ 4515.00 ft (KB)
 Start Date: 2019.10.04 End Date: 2019.10.04
 Start Time: 11:51:01 End Time: 18:46:40
 Capacity: 8000.00 psig
 Last Calib.: 2019.10.04
 Time On Btm: 2019.10.04 @ 13:43:20
 Time Off Btm: 2019.10.04 @ 16:50:00

TEST COMMENT: 30-IF-Surface blow built to 4"
 30-ISI-No blow back
 30-FF-Surface blow built to 7"
 30-FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2464.57	115.37	Initial Hydro-static
1	34.29	114.21	Open To Flow (1)
31	66.30	116.73	Shut-In(1)
62	958.72	118.98	End Shut-In(1)
63	69.47	118.50	Open To Flow (2)
121	94.65	120.09	Shut-In(2)
185	902.51	121.42	End Shut-In(2)
187	2374.42	122.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOSM 15%G, 3%O, 82%M	0.62
30.00	CGO 30%G, 70%O	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65563

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2019.10.04 @ 11:51:00

Tool Information

Drill Pipe:	Length: 4392.00 ft	Diameter: 3.80 inches	Volume: 61.61 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 62.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4514.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	119.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4491.00	
Hydraulic tool	5.00	1113		4496.00	
Jars	5.00	01-07		4501.00	
Safety Joint	3.00	-001		4504.00	
Packer	5.00			4509.00	28.00 Bottom Of Top Packer
Packer	5.00			4514.00	
Stubb	1.00			4515.00	
Recorder	0.00	8959	Inside	4515.00	
Recorder	0.00	8734	Outside	4515.00	
Perforations	20.00			4535.00	
Change Over Sub	1.00			4536.00	
Drill Pipe	63.00			4599.00	
Change Over Sub	1.00			4600.00	
Bullnose	5.00			4605.00	91.00 Bottom Packers & Anchor

Total Tool Length: 119.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65563

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2019.10.04 @ 11:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.5 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOSM 15%G, 3%O, 82%M	0.617
30.00	CGO 30%G, 70%O	0.421

Total Length: 150.00 ft Total Volume: 1.038 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

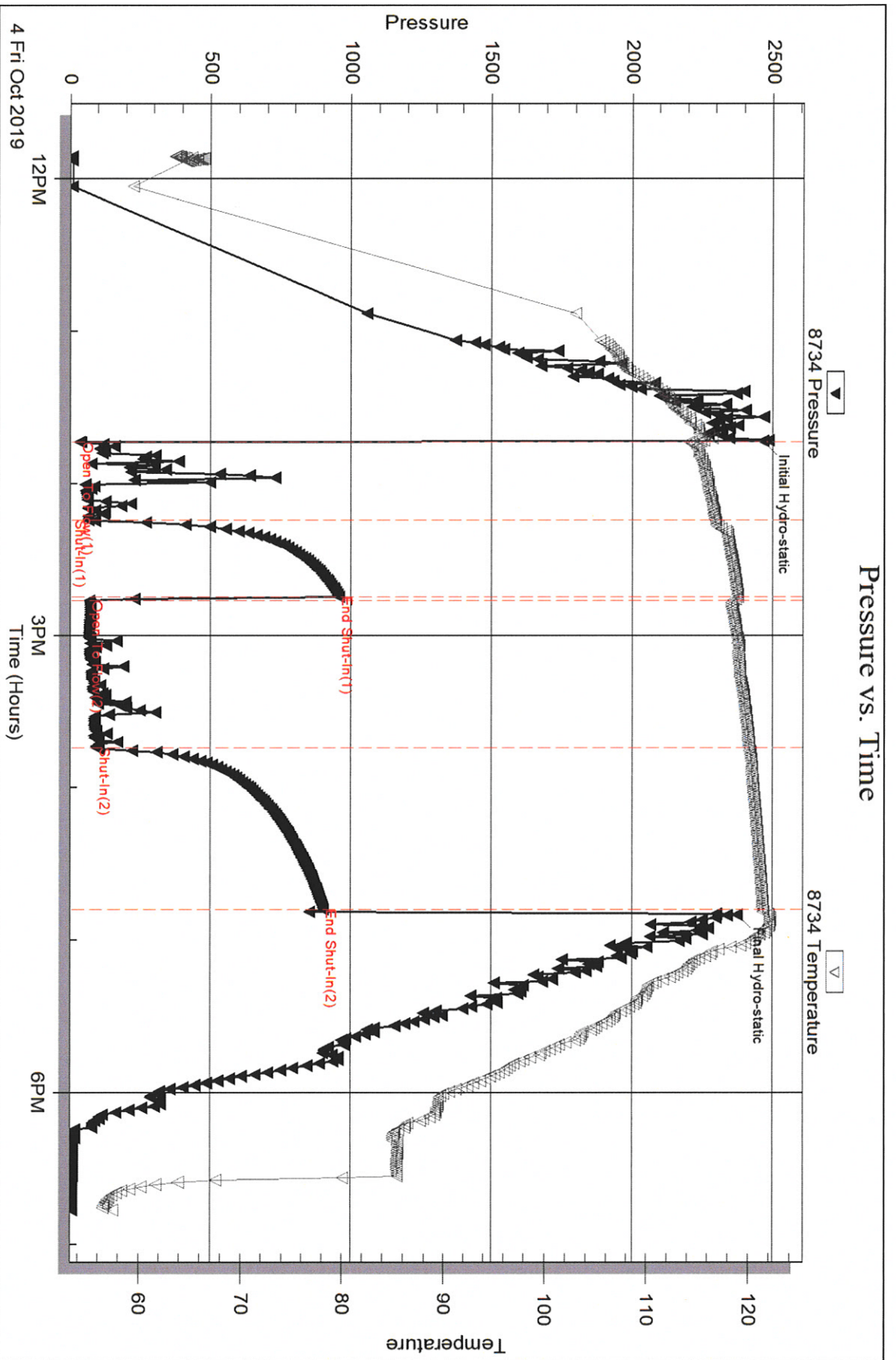
Recovery Comments: Gravity of oil = 36.5 @ 60 degs
Severe plugging throughout the flow periods

Serial #: 8734

Outside Palomino Petroleum Inc

Tombstone #1

DST Test Number: 4



Triblote Testing, Inc

Ref. No: 65563

Printed: 2019.10.08 @ 09:07:21

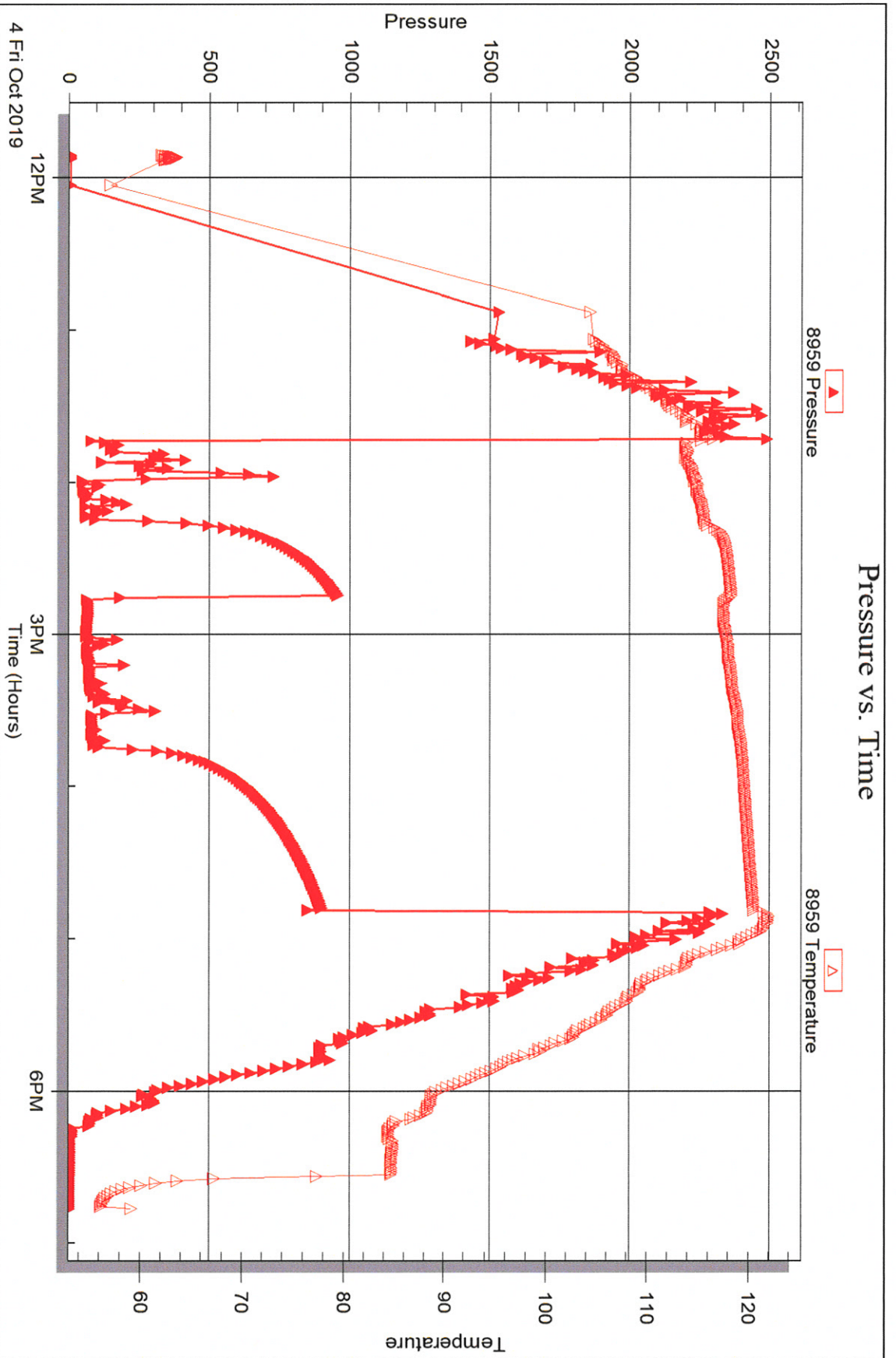
Serial #: 8959

Inside

Palomino Petroleum Inc

Tombstone #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 58th St
Newton, KS 67114

ATTN: Andrew Stenzel

Tombstone #1

32-16S-26W Ness,KS

Start Date: 2019.10.05 @ 10:35:00

End Date: 2019.10.05 @ 16:51:30

Job Ticket #: 65564 DST #: 5

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

Printed: 2019.10.08 @ 09:06:53

Palomino Petroleum Inc
32-16S-26W Ness,KS
Tombstone #1
DST # 5
Miss
2019.10.05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65564

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2019.10.05 @ 10:35:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:26:50

Time Test Ended: 16:51:30

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: **4604.00 ft (KB) To 4624.00 ft (KB) (TVD)**

Reference Elevations: 2657.00 ft (KB)

Total Depth: 4695.00 ft (KB) (TVD)

2652.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8734 Outside

Press@RunDepth: 309.31 psig @ 4604.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.05 End Date: 2019.10.05

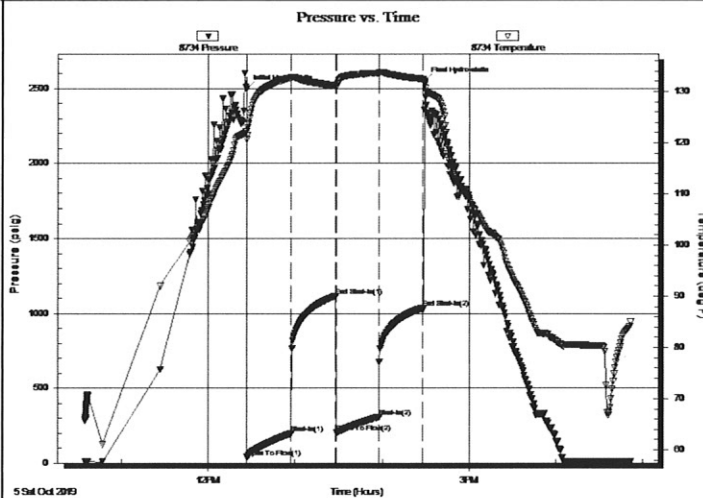
Last Calib.: 2019.10.05

Start Time: 10:35:01 End Time: 16:51:30

Time On Btm: 2019.10.05 @ 12:26:30

Time Off Btm: 2019.10.05 @ 14:29:00

TEST COMMENT: 30-IF-1/2" blow built to B.O.B (11 inches) @ 9 mins (blow increased to 28 1/2")
30-ISI-No blow back
30-FF-Surface blow built to B.O.B (11 inches) @ 15 mins (blow increased to 20")
30-FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2501.24	122.23	Initial Hydro-static
1	39.70	121.56	Open To Flow (1)
31	197.89	132.69	Shut-In(1)
62	1114.59	131.10	End Shut-In(1)
62	203.58	130.75	Open To Flow (2)
92	309.31	133.62	Shut-In(2)
122	1037.31	132.43	End Shut-In(2)
123	2549.73	131.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	MSW 4%M, 96%W	7.63

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65564

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2019.10.05 @ 10:35:00

GENERAL INFORMATION:

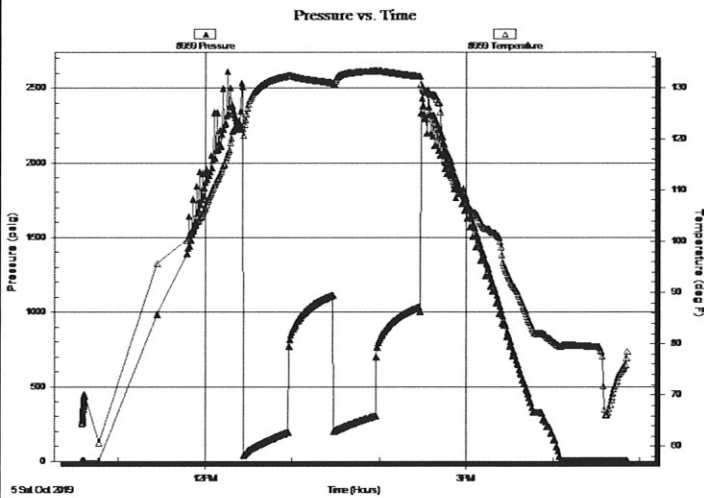
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:26:50
 Time Test Ended: 16:51:30
 Interval: **4604.00 ft (KB) To 4624.00 ft (KB) (TVD)**
 Total Depth: 4695.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 2657.00 ft (KB)
 2652.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8959

Inside

Press@RunDepth: psig @ 4604.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.10.05 End Date: 2019.10.05 Last Calib.: 2019.10.05
 Start Time: 10:35:01 End Time: 16:51:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-1/2" blow built to B.O.B (11 inches) @ 9 mins (blow increased to 28 1/2")
 30-ISI-No blow back
 30-FF-Surface blow built to B.O.B (11 inches) @ 15 mins (blow increased to 20")
 30-FSI-No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
620.00	MSW 4%M, 96%W	7.63

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65564

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2019.10.05 @ 10:35:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:26:50

Time Test Ended: 16:51:30

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4604.00 ft (KB) To 4624.00 ft (KB) (TVD)

Reference Elevations: 2657.00 ft (KB)

Total Depth: 4695.00 ft (KB) (TVD)

2652.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8520 Below (Straddle)

Press@RunDepth: psig @ 4624.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.05

End Date: 2019.10.05

Last Calib.: 2019.10.05

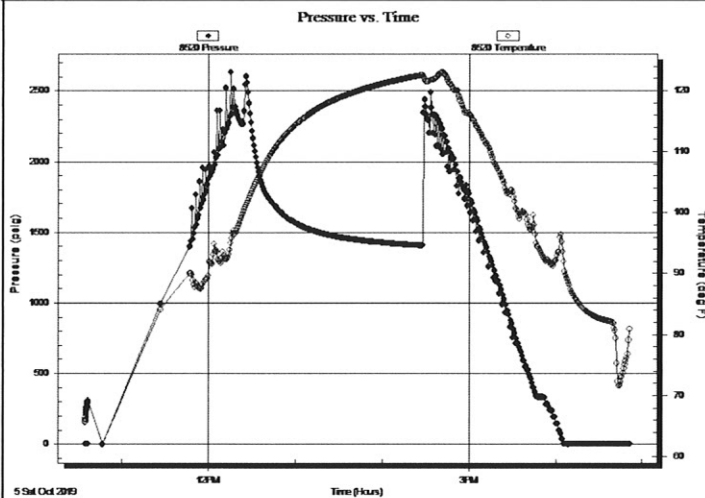
Start Time: 10:35:01

End Time: 16:51:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-1/2" blow built to B.O.B (11 inches) @ 9 mins (blow increased to 28 1/2")
30-ISI-No blow back
30-FF-Surface blow built to B.O.B (11 inches) @ 15 mins (blow increased to 20")
30-FSI-No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
620.00	MSW 4%M, 96%W	7.63

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65564

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2019.10.05 @ 10:35:00

Tool Information

Drill Pipe:	Length: 4488.00 ft	Diameter: 3.80 inches	Volume: 62.95 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 63.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4604.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	4694.00 ft			
Interval between Packers:	90.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4581.00	
Hydraulic tool	5.00	1113		4586.00	
Jars	5.00	01-07		4591.00	
Safety Joint	3.00	-001		4594.00	
Packer	5.00			4599.00	28.00 Bottom Of Top Packer
Packer	5.00			4604.00	
Recorder	0.00	8959	Inside	4604.00	
Recorder	0.00	8734	Outside	4604.00	
Perforations	14.00			4618.00	
Blank Off Sub	1.00			4619.00	
Packer - Shale	5.00			4624.00	
Recorder	0.00	8520	Below	4624.00	
Change Over Sub	1.00			4625.00	
Drill Pipe	63.00			4688.00	
Change Over Sub	1.00			4689.00	
Bullnose	5.00			4694.00	90.00 Bottom Packers & Anchor
Total Tool Length:	118.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

32-16S-26W Ness,KS

4924 SE 58th St
New ton, KS 67114

Tombstone #1

Job Ticket: 65564

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2019.10.05 @ 10:35:00

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:

22000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	MSW 4%M, 96%W	7.631

Total Length: 620.00 ft Total Volume: 7.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

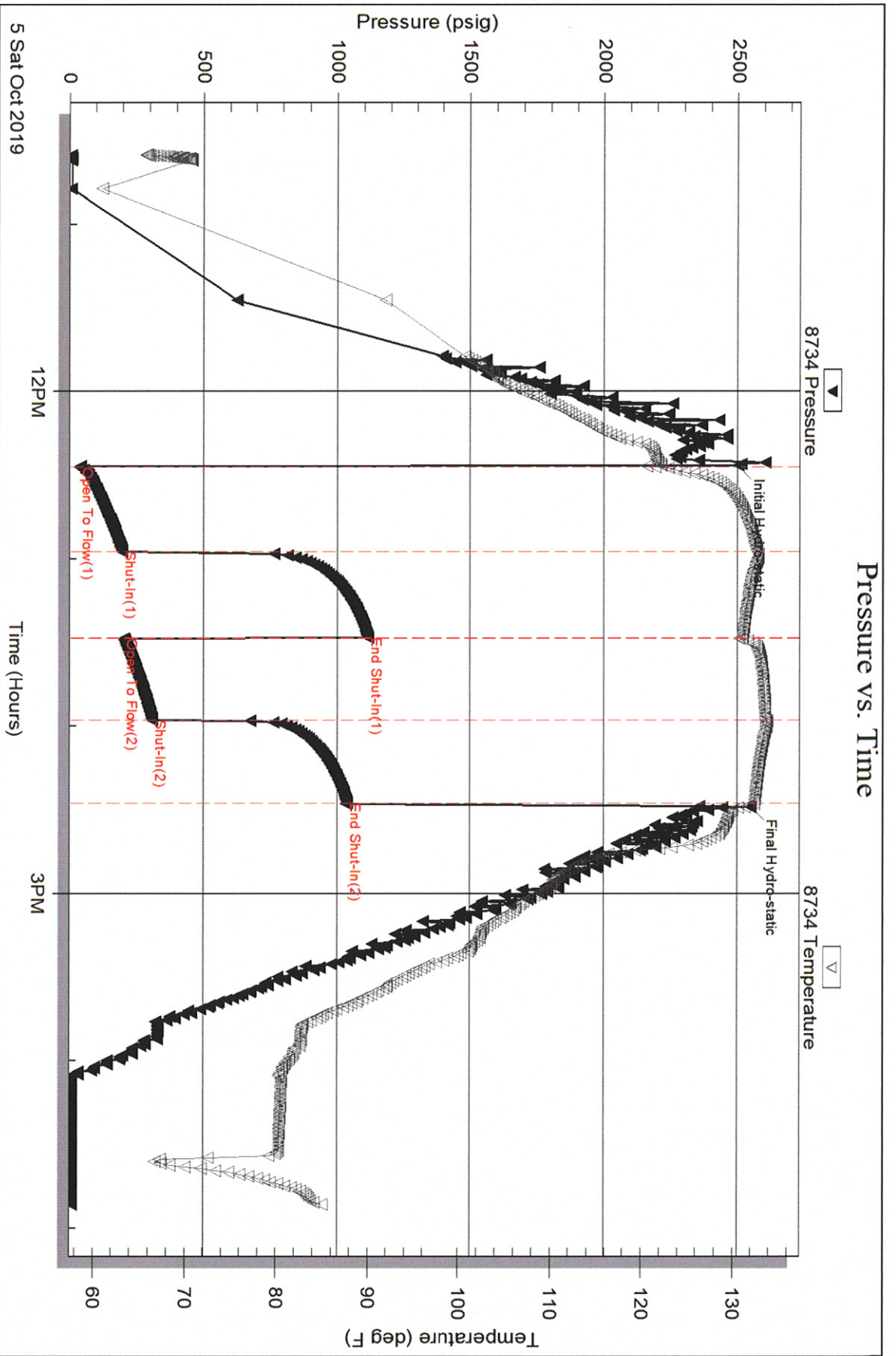
Recovery Comments: RW = .230 @ 96 degs = 22,000PPM

Serial #: 8734

Outside Palomino Petroleum Inc

Tombstone #1

DST Test Number: 5



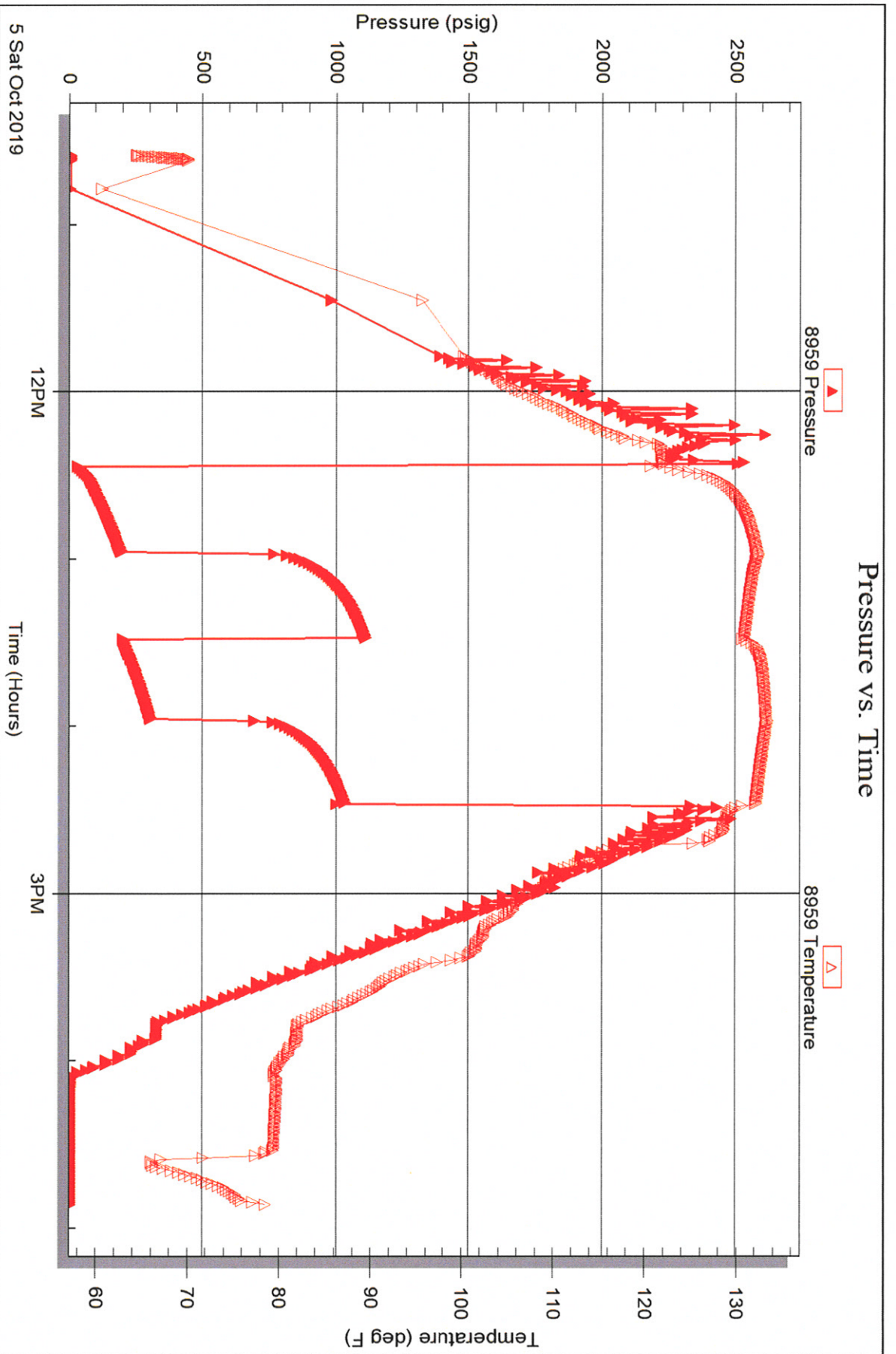
Serial #: 8959

Inside

Palomino Petroleum Inc

Tombstone #1

DST Test Number: 5

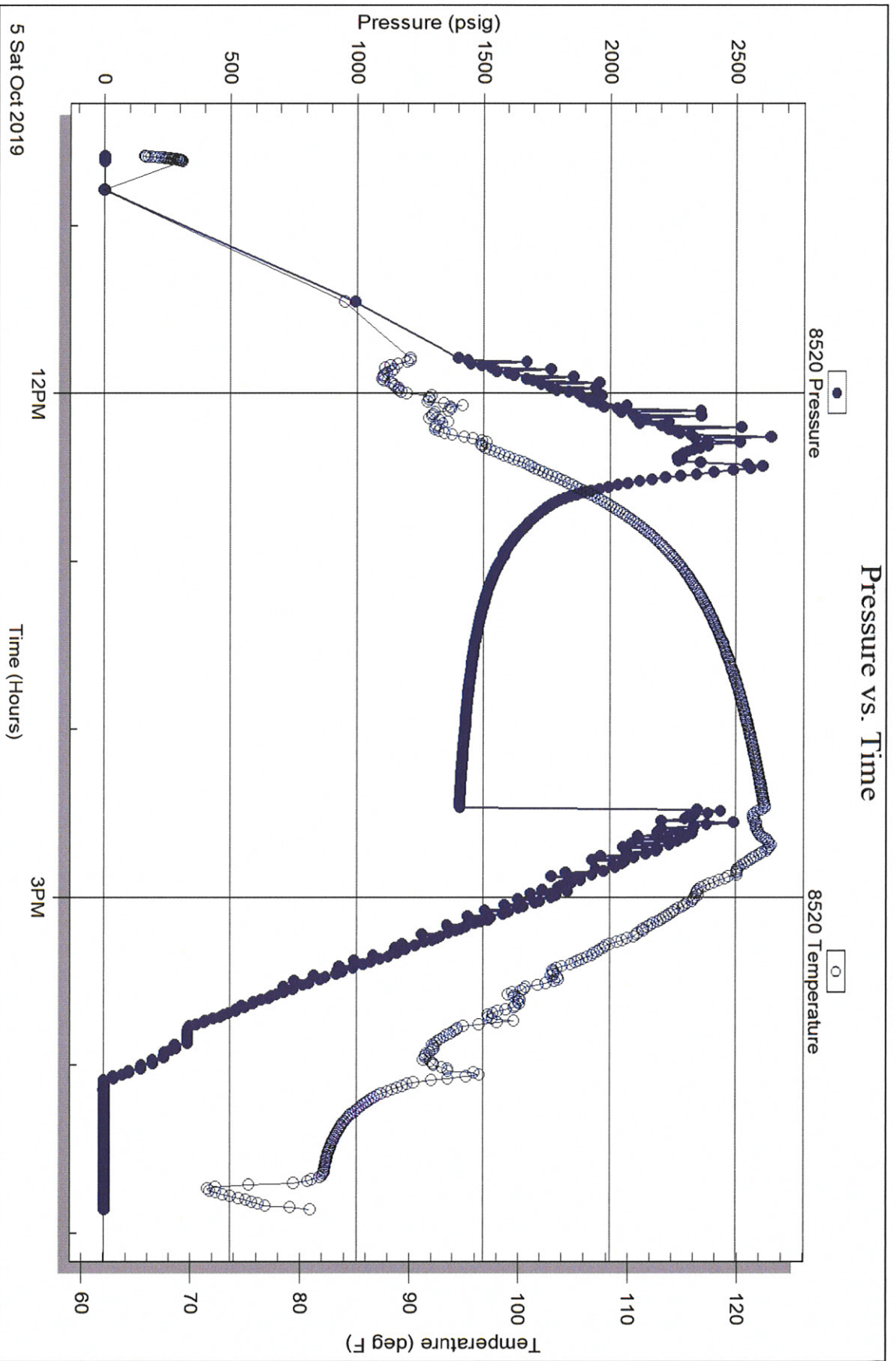


Serial #: 8520

Below (Stratton) Petroleum Inc

Tombstone #1

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 65564

Printed: 2019.10.08 @ 09:06:55



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65560**

Well Name & No. Tombstone #1 Test No. 1 Date 10-1-19
 Company Palomino Petroleum Inc Elevation 8657 KB 2652 GL
 Address 4924 SE 84th Street Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WIN#2
 Location: Sec. 32 Twp 16S. Rge. 26W. Co. Ness State KS

Interval Tested 4110 - 4179 Zone Tested LKC H-I
 Anchor Length 69 Drill Pipe Run 3984 Mud Wt. 9.1
 Top Packer Depth 4105. Drill Collars Run 117 Vls 54
 Bottom Packer Depth 4110 Wt. Pipe Run — WL 7.8
 Total Depth 4179 Chlorides 4500 ppm System LCM 2#

Blow Description IF - 1/4" blow built to B.O.B (11 inches) @ 25 mins (blow increased to 19 1/2")
ISF - S. blowback @ 2 mins built to 14" @ 15 mins & decreased to surface blow
FF - 1/2" blow built to B.O.B (11 inches) @ 10 mins (blow increased to 52 3/4")
FSI - S. blowback ASAPI built to 7"

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>G50WM</u>	<u>30</u>	<u>5</u>	<u>25</u>	<u>40</u>
<u>185</u>	<u>G5WMO</u>	<u>40</u>	<u>23</u>	<u>15</u>	<u>22</u>
<u>55</u>	<u>CCO</u>	<u>30</u>	<u>70</u>		
<u>0</u>	<u>900' GIP</u>				

Rec Total 300 BHT 119 Gravity 37.0 API RW 250 @ 56.0 °F Chlorides 38,000 ppm

(A) Initial Hydrostatic 2075 Test 1300 T-On Location 11:30
 (B) First Initial Flow 32 Jars 250 T-Started 13:08
 (C) First Final Flow 100 Safety Joint 75 T-Open 15:22
 (D) Initial Shut-In 966 Circ Sub T-Pulled 18:22
 (E) Second Initial Flow 100 Hourly Standby T-Out 20:45
 (F) Second Final Flow 148 Mileage 100 RT 100 Comments Some severe plugging on IFF
 (G) Final Shut-In 948 Sampler
 (H) Final Hydrostatic 2014 Straddle
 Shale Packer
 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60
 Sub Total 1725
 Total 1725
 MP/DST Disc't _____

Approved By _____ Our Representative Matthew Collins
 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. **65561**

Well Name & No. Tombstone #1 Test No. 2 Date 10-2-19
 Company Palomino Petroleum Inc Elevation 2657 KB 2652 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW #2
 Location: Sec. 32 Twp 16S Rge. 26W Co. Ness State KS

Interval Tested 4178-4214 Zone Tested LKC "J"
 Anchor Length 36 Drill Pipe Run 4047 Mud Wt. 9.2
 Top Packer Depth 4173 Drill Collars Run 117 Vis SS
 Bottom Packer Depth 4178 Wt. Pipe Run — WL 7.8
 Total Depth 4214 Chlorides 4500 ppm System LCM 2#

Blow Description IF - S. blow built to 1"
ISI - S. blowback (Thermal Expansion)
FF - No blow
FSE - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
<u>0</u>	<u>Oil spots in tool</u>				

Rec Total 20 BHT 114 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 2162 Test 1300 T-On Location 04:20
 (B) First Initial Flow 28 Jars 250 T-Started 04:25
 (C) First Final Flow 37 Safety Joint 75 T-Open 07:06
 (D) Initial Shut-In 507 Circ Sub — T-Pulled 09:06
 (E) Second Initial Flow 33 Hourly Standby — T-Out 10:58
 (F) Second Final Flow 35 Mileage 100 RT 100 Comments —
 (G) Final Shut-In 502 Sampler —
 (H) Final Hydrostatic 2080 Straddle —
 Shale Packer —
 Extra Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —
 Sub Total 1725

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

EM Tool —
 Ruined Shale Packer —
 Ruined Packer —
 Extra Copies —
 Sub Total 0
 Total 1725
 MP/DST Disc't —

Approved By _____ Our Representative Jeffery S. Plinius
 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. **65562**

Well Name & No. Tombstone #1 Test No. 3 Date 10-2-19
 Company Palomino Petroleum Inc Elevation 2657 KB 2652 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WN#2
 Location: Sec. 32 Twp 16S. Rge. 26W. Co. Ness State KS

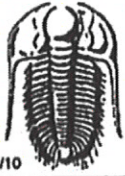
Interval Tested 4238-4278 Zone Tested LKC" L"
 Anchor Length 40' Drill Pipe Run 4110 Mud Wt. 9.3
 Top Packer Depth 4233 Drill Collars Run 117 Vis 72
 Bottom Packer Depth 4238 Wt. Pipe Run — WL 7.8
 Total Depth 4278 Chlorides 4300 ppm System LCM 6#
 Blow Description IF - S. blow built to 2"
ISE - No blowback
FF - S. blow @ 4 mins built to 1"
FSI - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>OSM</u>	<u>5</u>		<u>95</u>	
<u>0</u>	<u>Heavy oil spots in tool</u>				

Rec Total 40 BHT 117 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2214</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>20:00</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:19</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:43</u>
(D) Initial Shut-In <u>963</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>02:43</u>
(E) Second Initial Flow <u>61</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>05:20</u>
(F) Second Final Flow <u>47</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT</u> 100	Comments
(G) Final Shut-In <u>642</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2100</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1725</u>	Total <u>1725</u>
		MP/DST Disc't

Approved By _____ Our Representative Martin Alvar
 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. **65563**

Well Name & No. Tombstone #1 Test No. 4 Date 10-4-19
 Company Palomina Petroleum Inc Elevation 2657 KB 2652 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW #2
 Location: Sec. 32 Twp 16S. Rge. 26W Co. Ness State KS

Interval Tested 4514-4605 Zone Tested Miss.
 Anchor Length 91 Drill Pipe Run 4392 Mud Wt. 9.4
 Top Packer Depth 4509 Drill Collars Run 117 Vls 64
 Bottom Packer Depth 4514 Wt. Pipe Run — WL 7.8
 Total Depth 4605 Chlorides 3500 ppm System LCM 1#
 Blow Description IF - S. blow built to 4"
ISE - No blow back
FF - S. blow built to 7"
FSE - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>GOSM</u>	<u>15</u>	<u>3</u>	<u>82</u>	
<u>30</u>	<u>GCO</u>	<u>30</u>	<u>70</u>		

Rec Total 150 BHT 122 Gravity 36.5 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2465 Test 1300 T-On Location 11:40
 (B) First Initial Flow 34 Jars 250 T-Started 11:51
 (C) First Final Flow 66 Safety Joint 75 T-Open 13:43
 (D) Initial Shut-In 959 Circ Sub — T-Pulled 16:43
 (E) Second Initial Flow 69 Hourly Standby — T-Out 18:47
 (F) Second Final Flow 95 Mileage 100RT 100 Comments Severe plugging
 (G) Final Shut-In 903 Sampler — throughout the flow periods
 (H) Final Hydrostatic 2374 Straddle —
 Shale Packer — Ruined Shale Packer —
 Extra Packer — Ruined Packer —
 Extra Recorder — Extra Copies —
 Day Standby — Sub Total 0
 Accessibility — Total 1725
 Sub Total 1725 MP/DST Disc't —

Approved By _____ Our Representative Martin Solis
 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. **65564**

Well Name & No. Tombstone #1 Test No. 5 Date 10-5-19
 Company Palomino Petroleum Inc Elevation 2657 KB 2652 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig NW#2
 Location: Sec. 32 Twp G5. Rge 26W. Co. Ne55 State KS.

Interval Tested 4604-4624 Zone Tested M155
 Anchor Length 20' 71' T. pipe Drill Pipe Run 4488 Mud Wt. 9.4
 Top Packer Depth 4599 - 4604 Drill Collars Run 117 Vis 51
 Bottom Packer Depth 4624 (Shale) Wt. Pipe Run — WL 8.0
 Total Depth 4695 Chlorides 3600 ppm System LCM ~~3~~ /#
 Blow Description IF - 1/2" blow built to B.O.B (11 inches) @ 9 mins (blow increased to 28 1/2")
ISF - No blowback

FF - 5. blow built to B.O.B (11 inches) @ 15 mins (blow increased to 20")
FSI - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>620</u>	<u>MSW</u>		<u>9%</u>	<u>4</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 620 BHT 131 Gravity — API RW 230 @ 96 °F Chlorides 22,000 ppm
 (A) Initial Hydrostatic 2501 Test 1300 T-On Location 09:15
 (B) First Initial Flow 40 Jars 250 T-Started 09:29
 (C) First Final Flow 198 Safety Joint 75 T-Open 12:27
 (D) Initial Shut-In 1115 Circ Sub _____ T-Pulled 14:27
 (E) Second Initial Flow 204 Hourly Standby _____ T-Out 16:51
 (F) Second Final Flow 309 Mileage 100 RT. 100 Comments Tools loaded @
 (G) Final Shut-In 1037 Sampler _____ 18:00
 (H) Final Hydrostatic 2550 Straddle 250 EM Tool _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2225
 Sub Total 2225 MP/DST Disc't _____

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

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged or 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.