



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Co.**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Klee Watchous

Nattier Trusts #1

16-24S-2E Harvey, KS

Start Date: 2019.03.22 @ 18:42:00

End Date: 2019.03.23 @ 01:22:09

Job Ticket #: 63935 DST #: 1

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Co.
 4924 SE 84th St
 Newton, KS 67114-8827
 ATTN: Klee Watchous

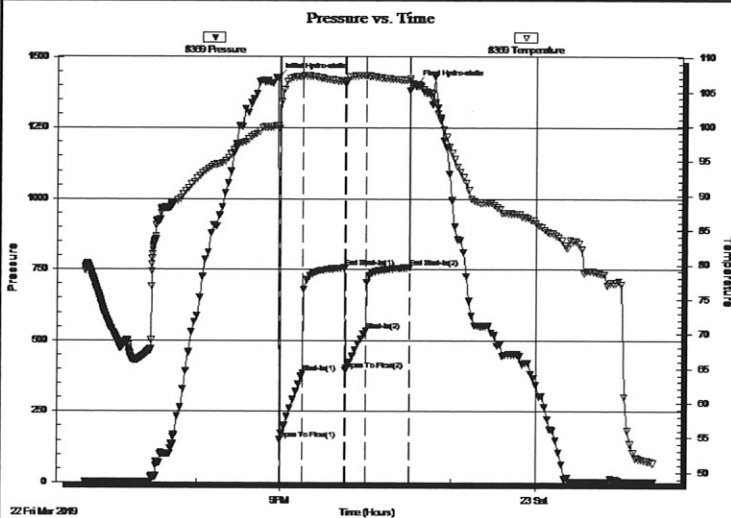
16-24S-2E Harvey, KS
Nattier Trusts #1
 Job Ticket: 63935 **DST#: 1**
 Test Start: 2019.03.22 @ 18:42:00

GENERAL INFORMATION:

Formation: **Burgess Sand**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 20:58:50 Tester: Jimmy Ricketts
 Time Test Ended: 01:22:09 Unit No: 80
 Interval: **2838.00 ft (KB) To 2860.00 ft (KB) (TVD)** Reference Elevations: 1439.00 ft (KB)
 Total Depth: 2860.00 ft (KB) (TVD) 1433.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 6.00 ft

Serial #: 8369 Outside
 Press@RunDepth: 534.02 psig @ 2839.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.03.22 End Date: 2019.03.23 Last Calib.: 1899.12.30
 Start Time: 18:42:01 End Time: 01:22:10 Time On Btm: 2019.03.22 @ 20:57:50
 Time Off Btm: 2019.03.22 @ 22:34:20

TEST COMMENT: IF - Strong blow throughout initial flow period. Built to 123"
 IS - Weak surface blow back
 FF - Weak blow building to strong blow 2 minutes into final flow period. Built to 75"
 FS - 6" blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.45	100.13	Initial Hydro-static
1	150.16	99.72	Open To Flow (1)
18	385.57	107.25	Shut-In(1)
48	756.36	106.44	End Shut-In(1)
48	396.37	106.26	Open To Flow (2)
62	534.02	107.35	Shut-In(2)
93	756.95	106.66	End Shut-In(2)
97	1403.30	105.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
940.00	GOSMCW 4%G 1%O 88%W 7%M	12.12
260.00	GVSO&HMCW 15%G 4%O 47%W 34%M	3.65
65.00	65' GIP	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Co.
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Klee Watchous

16-24S-2E Harvey, KS
Nattier Trusts #1
Job Ticket: 63935 **DST#: 1**
Test Start: 2019.03.22 @ 18:42:00

Tool Information

Drill Pipe:	Length: 2716.00 ft	Diameter: 3.80 inches	Volume: 38.10 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 74000.00 lb
		<u>Total Volume:</u>	<u>38.68 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2838.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	51.00 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			2810.00	
Shut In Tool	5.00			2815.00	
Sampler	1.00			2816.00	
Hydraulic tool	5.00			2821.00	
Jars	5.00			2826.00	
Safety Joint	3.00			2829.00	
Packer	5.00			2834.00	29.00 Bottom Of Top Packer
Packer	4.00			2838.00	
Stubb	1.00			2839.00	
Recorder	0.00	8369	Outside	2839.00	
Recorder	0.00	8846	Inside	2839.00	
Perforations	16.00			2855.00	
Bullnose	5.00			2860.00	22.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Co.
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Klee Watchous

16-24S-2E Harvey, KS
Nattier Trusts #1
Job Ticket: 63935 **DST#: 1**
Test Start: 2019.03.22 @ 18:42:00

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:	64000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
940.00	GOSMCW 4%G 1%O 88%W 7%M	12.120
260.00	GVSO&HMCW 15%G 4%O 47%W 34%M	3.647
65.00	65' GIP	0.912

Total Length: 1265.00 ft Total Volume: 16.679 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8369

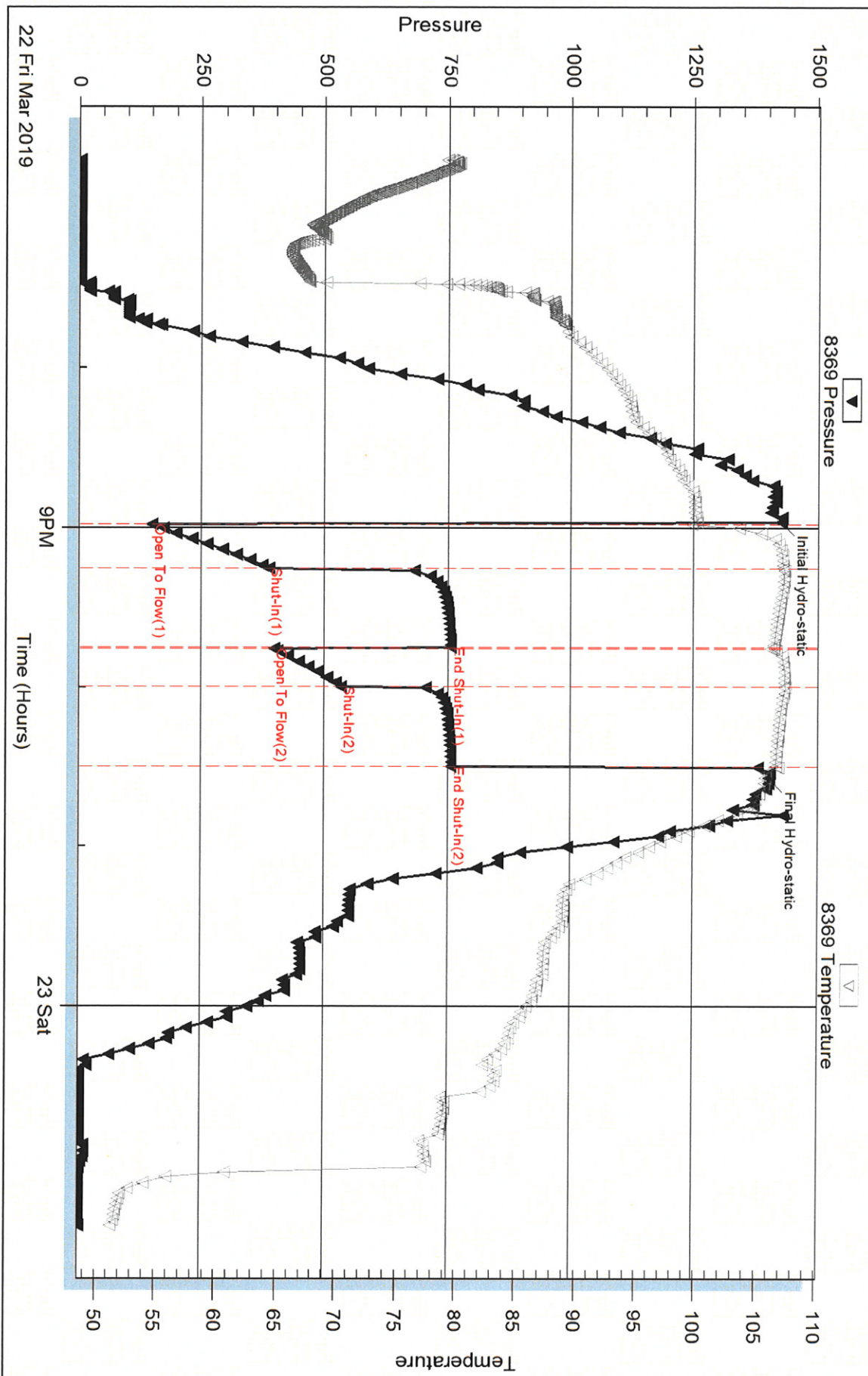
Outside

Palomino Petroleum Co.

Nattier Trusts #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63935

Printed: 2019.03.27 @ 16:58:27

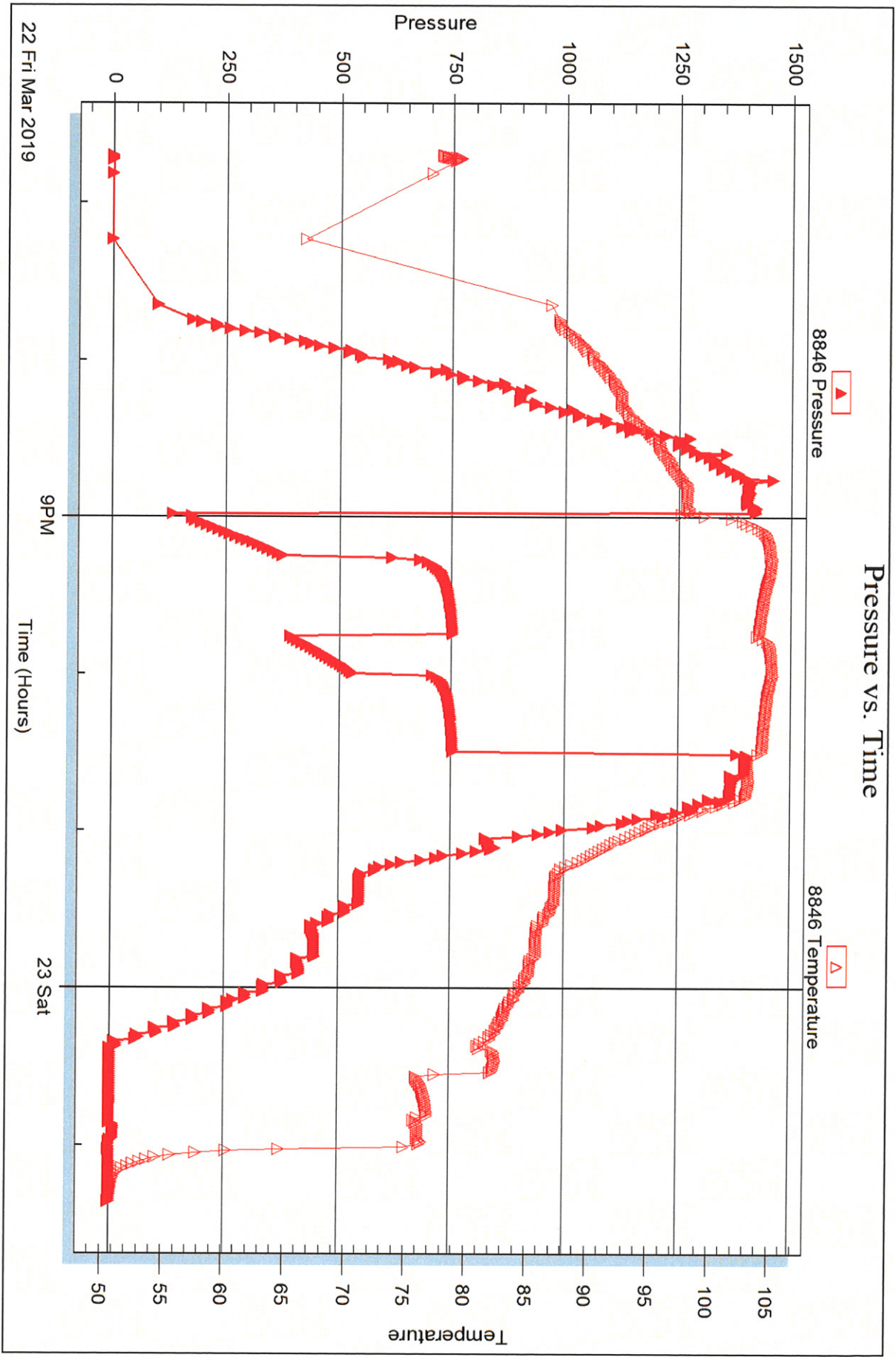
Serial #: 8846

Inside

Palomino Petroleum Co.

Nattier Trusts #1

DST Test Number: 1



Tribotek Testing, Inc

Ref. No: 63935

Printed: 2019.03.27 @ 16:58:27



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Co.**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Klee Watchous

Nattier Trusts #1

16-24S-2E Harvey, KS

Start Date: 2019.03.24 @ 06:58:00

End Date: 2019.03.24 @ 14:27:09

Job Ticket #: 63936 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2019.03.27 @ 16:56:06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Co.
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Klee Watchous

16-24S-2E Harvey, KS

Nattier Trusts #1

Job Ticket: 63936

DST#: 2

Test Start: 2019.03.24 @ 06:58:00

GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:03:50

Time Test Ended: 14:27:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: **3137.00 ft (KB) To 3232.00 ft (KB) (TVD)**

Total Depth: 3232.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1439.00 ft (KB)

1433.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8369

Outside

Press@RunDepth: 81.47 psig @ 3138.00 ft (KB)

Start Date: 2019.03.24

End Date:

2019.03.24

Capacity: 8000.00 psig

Last Calib.: 2019.03.24

Start Time: 06:58:01

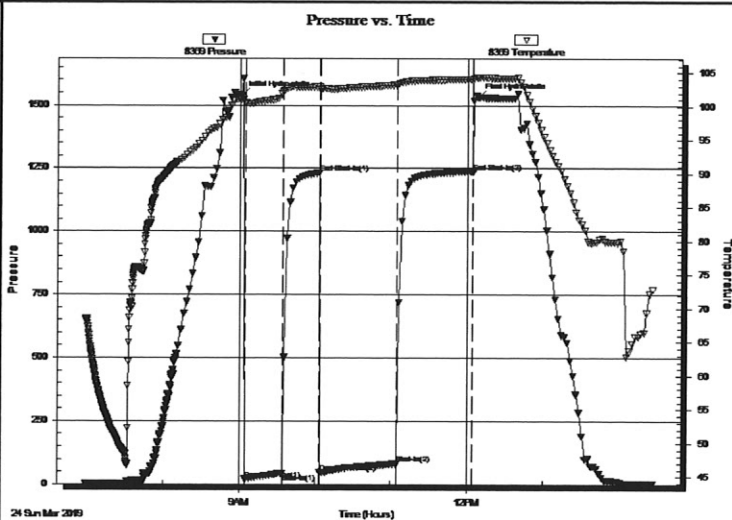
End Time:

14:27:10

Time On Btm: 2019.03.24 @ 09:01:00

Time Off Btm: 2019.03.24 @ 12:08:09

TEST COMMENT: IF - Weak blow building to 5"
FF - Weak blow building to 9"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1538.40	100.99	Initial Hydro-static
3	20.79	100.45	Open To Flow (1)
33	43.96	102.16	Shut-In(1)
63	1230.55	102.91	End Shut-In(1)
63	47.15	102.47	Open To Flow (2)
124	81.47	103.22	Shut-In(2)
184	1236.01	104.02	End Shut-In(2)
188	1530.41	104.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	OCM 17% O & 83% M	0.39
75.00	CO 100% O	0.72

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Co.
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Klee Watchous

16-24S-2E Harvey, KS
Nattier Trusts #1
Job Ticket: 63936 **DST#: 2**
Test Start: 2019.03.24 @ 06:58:00

Tool Information

Drill Pipe:	Length: 3004.00 ft	Diameter: 3.80 inches	Volume: 42.14 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 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:</u>	<u>42.72 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3137.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	123.00 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			3110.00	
Shut In Tool	5.00			3115.00	
Hydraulic tool	5.00			3120.00	
Jars	5.00			3125.00	
Safety Joint	3.00			3128.00	
Packer	5.00			3133.00	28.00 Bottom Of Top Packer
Packer	4.00			3137.00	
Stubb	1.00			3138.00	
Recorder	0.00	8369	Outside	3138.00	
Recorder	0.00	8846	Inside	3138.00	
Perforations	23.00			3161.00	
Change Over Sub	0.50			3161.50	
Blank Spacing	64.00			3225.50	
Change Over Sub	0.50			3226.00	
Perforations	1.00			3227.00	
Bullnose	5.00			3232.00	95.00 Bottom Packers & Anchor
Total Tool Length:	123.00				



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Co.
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Klee Watchous

16-24S-2E Harvey, KS
Nattier Trusts #1
Job Ticket: 63936 **DST#: 2**
Test Start: 2019.03.24 @ 06:58:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 27.5 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1300.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	OCM 17% O & 83% M	0.393
75.00	CO 100% O	0.715

Total Length: 155.00 ft Total Volume: 1.108 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

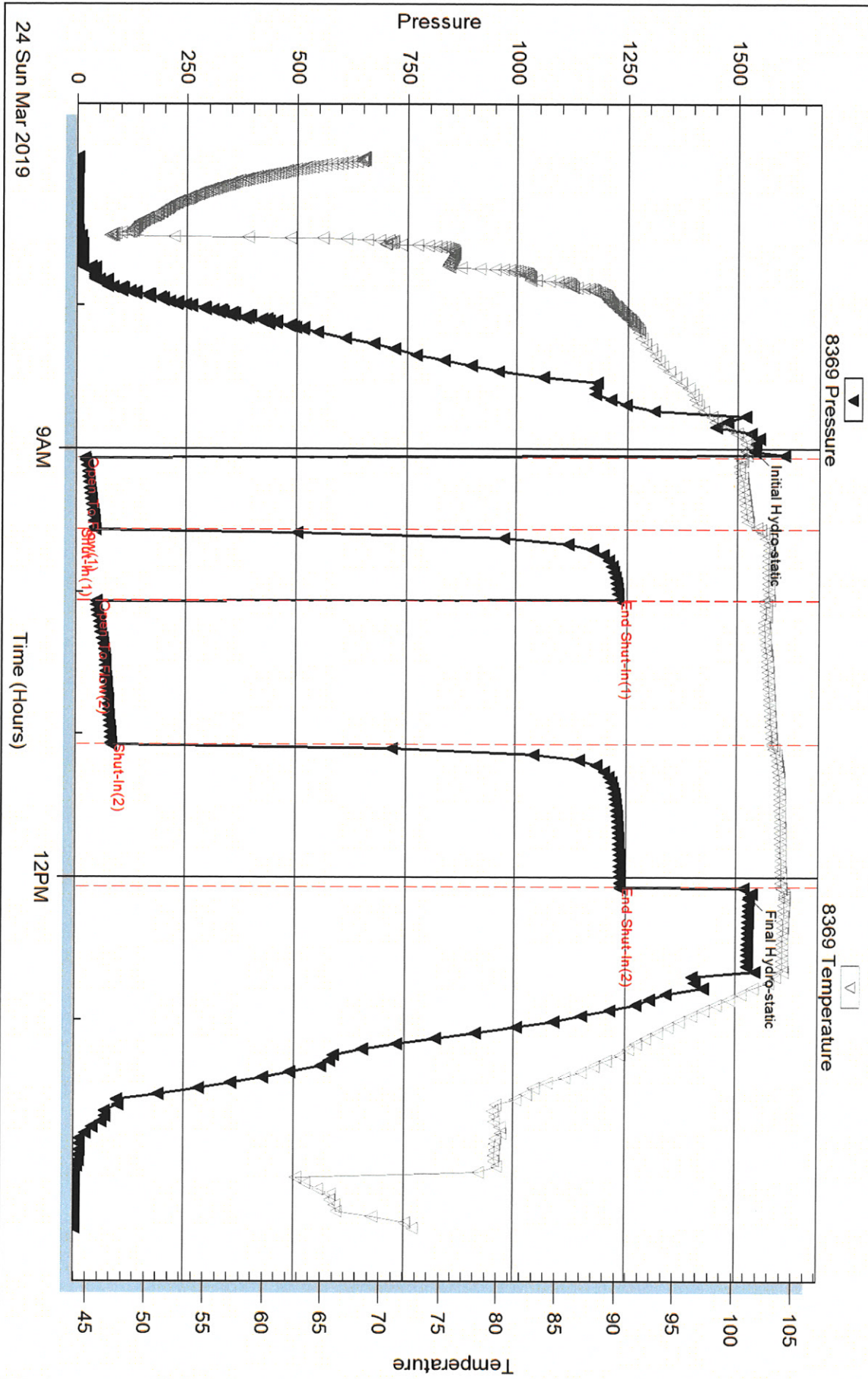
Serial #: 8369

Outside Palomino Petroleum Co.

Nattler Trusts #1

DST Test Number: 2

Pressure vs. Time



Tribolite Testing, Inc

Ref. No: 63936

Printed: 2019.03.27 @ 16:56:07

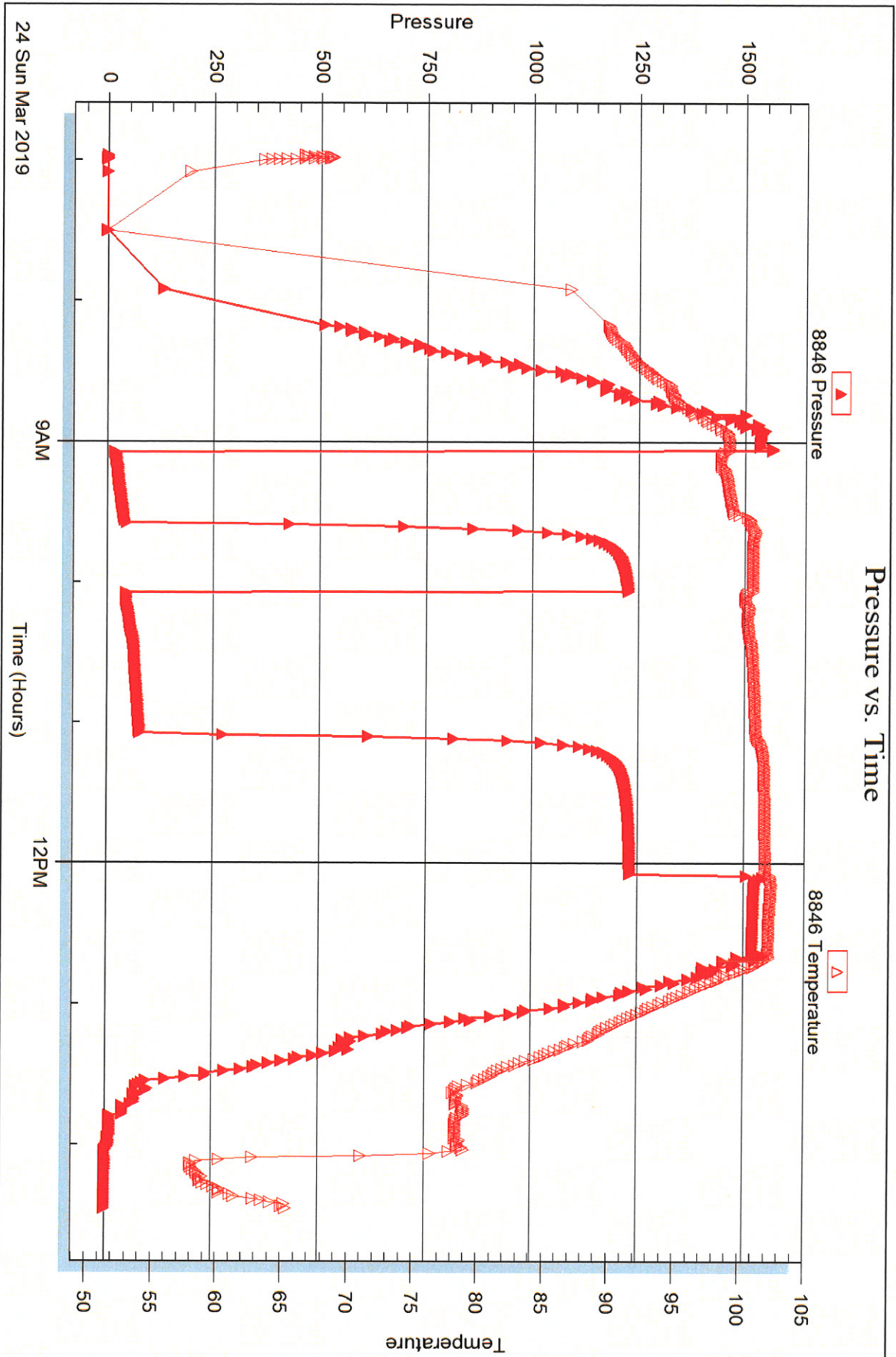
Serial #: 8846

Inside

Palomino Petroleum Co.

Nattier Trusts #1

DST Test Number: 2



Tribotek Testing, Inc

Ref. No: 63936

Printed: 2019.03.27 @ 16:56:07



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Co.**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Klee Watchous

Nattier Trusts #1

16-24S-2E Harvey, KS

Start Date: 2019.03.24 @ 20:18:00

End Date: 2019.03.25 @ 04:09:00

Job Ticket #: 63937 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Co.
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Klee Watchous

16-24S-2E Harvey, KS
Nattier Trusts #1
Job Ticket: 63937 **DST#: 3**
Test Start: 2019.03.24 @ 20:18:00

Tool Information

Drill Pipe:	Length: 3004.00 ft	Diameter: 3.80 inches	Volume: 42.14 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	42.72 bbl	Tool Chased 1.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3137.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	128.00 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			3110.00	
Shut In Tool	5.00			3115.00	
Hydraulic tool	5.00			3120.00	
Jars	5.00			3125.00	
Safety Joint	3.00			3128.00	
Packer	5.00			3133.00	28.00 Bottom Of Top Packer
Packer	4.00			3137.00	
Stubb	1.00			3138.00	
Recorder	0.00	8369	Outside	3138.00	
Recorder	0.00	8846	Inside	3138.00	
Perforations	28.00			3166.00	
Change Over Sub	0.50			3166.50	
Blank Spacing	64.00			3230.50	
Change Over Sub	0.50			3231.00	
Perforations	1.00			3232.00	
Bullnose	5.00			3237.00	100.00 Bottom Packers & Anchor
Total Tool Length:	128.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Co.
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Klee Watchous

16-24S-2E Harvey, KS
Nattier Trusts #1
Job Ticket: 63937 **DST#: 3**
Test Start: 2019.03.24 @ 20:18:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 26.3 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1300.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCM 20% O 80% M	0.617
160.00	GOCM 8%G 13%O 79%M	2.244
165.00	CO 100% O	2.315

Total Length: 445.00 ft Total Volume: 5.176 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

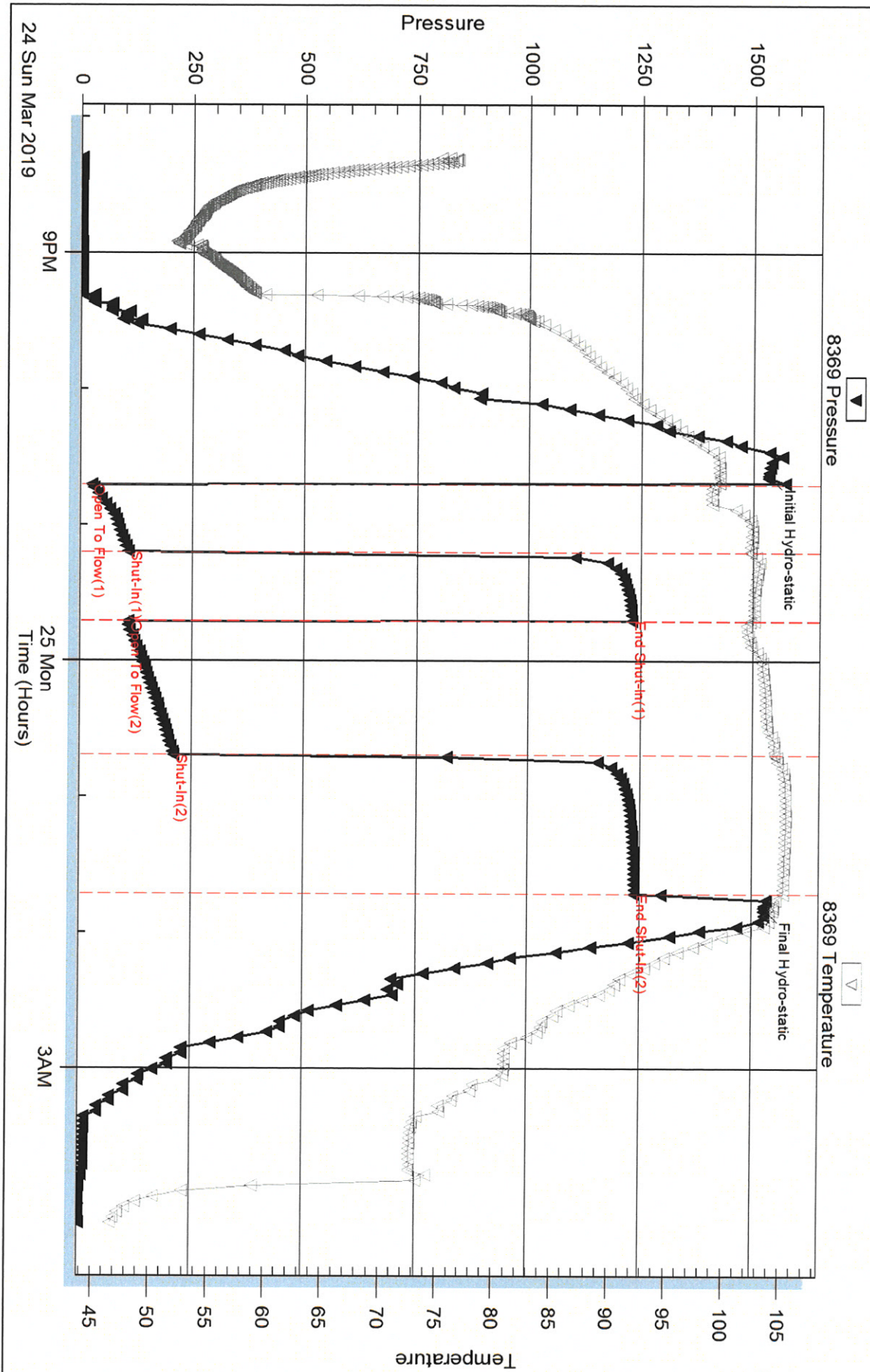
Serial #: 8369

Outside Palomino Petroleum, Co.

Nattier Trusts #1

DST Test Number: 3

Pressure vs. Time



Tribotek Testing, Inc

Ref. No: 63937

Printed: 2019.03.27 @ 16:50:44

Serial #: 8846

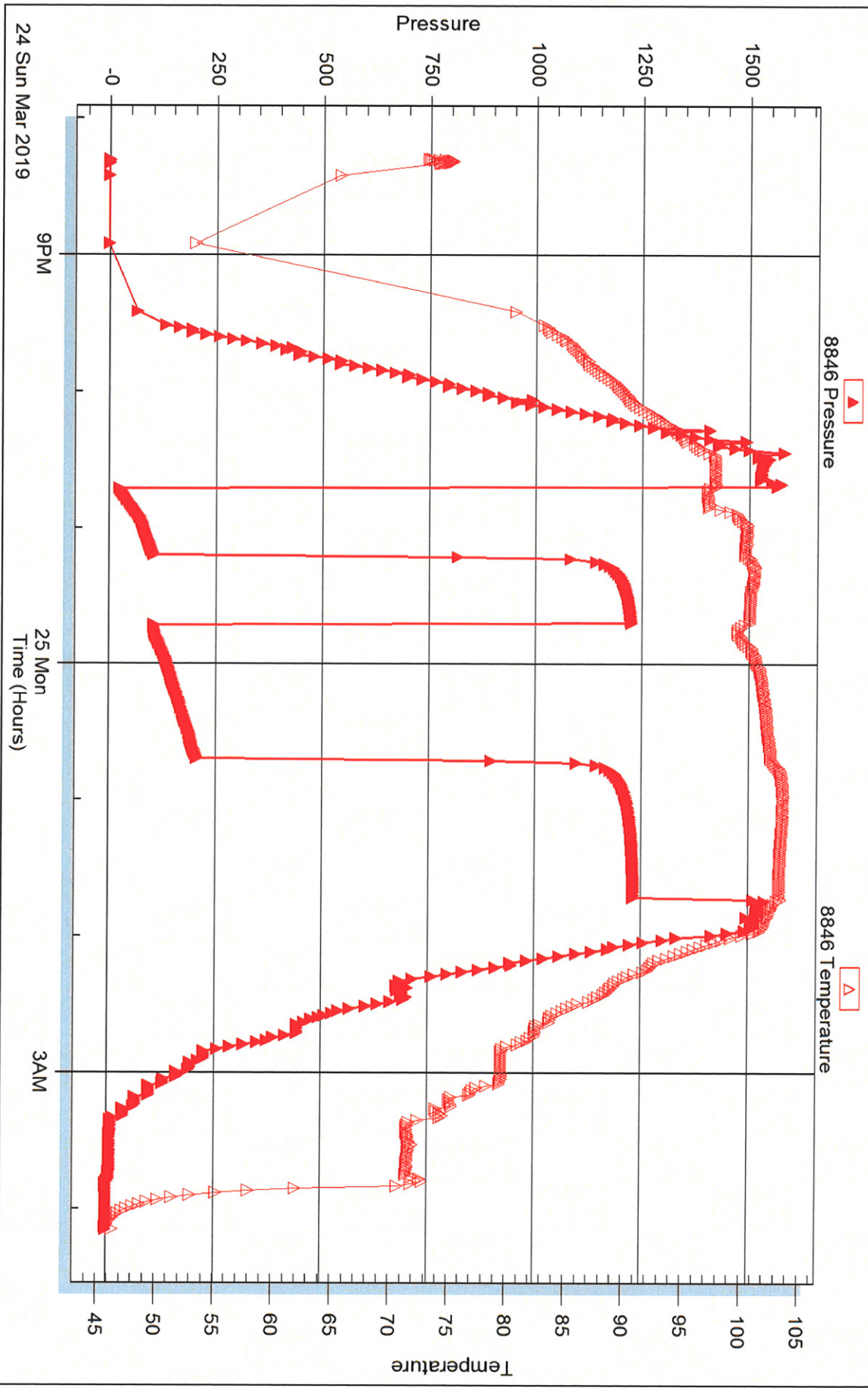
Inside

Palomino Petroleum, Co.

Nattier Trusts #1

DST Test Number: 3

Pressure vs. Time



Tribolite Testing, Inc

Ref. No: 63937

Printed: 2019.03.27 @ 16:50:44



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63935

Well Name & No. Nattier Trusts #1 Test No. 1 Date 3-22-19
 Company ~~4421~~ SE Palomino Petroleum Co. Elevation 1439 KB 1433 GL
 Address 4924 SE 84th Street, Newton, KS. 67114-8827
 Co. Rep / Geo. Klee Watchous / Eli Felts Rig Ww Drilling #4
 Location: Sec. 16 Twp 24 S Rge. 2 E Co. Harvey State KS

Interval Tested 2838 - 2860 Zone Tested Burgess Sand
 Anchor Length 22' Drill Pipe Run 2716 Mud Wt. 9.4
 Top Packer Depth 2833 Drill Collars Run 117 Vis 45
 Bottom Packer Depth 2838 Wt. Pipe Run 0 WL 8.8
 Total Depth 2860 Chlorides 1100 ppm System LCM

Blow Description IF - Strong blow throughout FFP. Building to 123 inches FFP
FF - Weak blow building to strong blow 2 mins. into FFP
Building to 75 inches FFP.

Rec	Feet of	%gas	%oil	%water	%mud
<u>940</u>	<u>605 mcnw</u>	<u>4</u>	<u>1</u>	<u>88</u>	<u>7</u>
<u>260</u>	<u>Gassy vs 0+ mcnw</u>	<u>15</u>	<u>4</u>	<u>47</u>	<u>34</u>
<u>65</u>	<u>Gas in pipe</u>	<u>100</u>			

Rec Total 1200 BHT 107 Gravity API RW 0.147 @ 56.4° F Chlorides 64,000 ppm
 (A) Initial Hydrostatic 1426 Test 1200 T-On Location 1800
 (B) First Initial Flow 150 Jars 250 T-Started 1842
 (C) First Final Flow 386 Safety Joint 75 T-Open 2059
 (D) Initial Shut-In 756 Circ Sub _____ T-Pulled 2230
 (E) Second Initial Flow 396 Hourly Standby _____ T-Out 0130
 (F) Second Final Flow 534 Mileage 194rt RT 52 Comments _____
 (G) Final Shut-In 757 Sampler 250 NC _____
 (H) Final Hydrostatic 1403 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 16
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 30

Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1719
 Total 1719
 MP/DST Disc't _____

Approved By _____ Our Representative Jimmy Burketh

Tribolite 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

FLUID SAMPLER DATA

Ticket No. 63935 Date 3-22-19
 Company Name Palomino Petroleum, Co.
 Lease Nattier Trusts #1 Test No. 1
 County Harvey Sec. 06 Twp. 24 S Rng. 2 E

SAMPLER RECOVERY

Gas _____ ML
 Oil _____ ML
 Mud _____ ML
 Water 5 ML
 Other _____ ML
 Pressure 15 PSI
 Total 5 ML

PIT MUD ANALYSIS

Chlorides 1100 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 45
 Mud Weight 9.4
 Filtrate 8.8
 Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63936

Well Name & No. Nattier Trusts #1 Test No. 2 Date 3-24-19
 Company Palomina Petroleum Co. Elevation 1439 KB 1433 GL
 Address 4924 SE 84th Street, Newton, KS. 67114-8827
 Co. Rep / Geo. Klee Watchous / Eli Felts Rig ww Drilling #4
 Location: Sec. 16 Twp 24S Rge. 2E Co. Harvey State KS

Interval Tested 3137-3232 Zone Tested Hunton
 Anchor Length 95' Drill Pipe Run 3004 Mud Wt. 9.3
 Top Packer Depth 3132 Drill Collars Run 117 Vis 45
 Bottom Packer Depth 3137 Wt. Pipe Run 0 WL 8.0
 Total Depth 3232 Chlorides 1300 ppm System LCM
 Blow Description IF-weak blow building to 5 inches FFP
FF-weak blow building to 9 inches FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>Oil Cut Mud</u>	<u>17</u>		<u>83</u>	
<u>75</u>	<u>Clean Oil</u>				

Rec Total 155 BHT 104 Gravity 27.5 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1538</u>	<input checked="" type="checkbox"/> Test 1300	T-On Location <u>0545</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>0658</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>0904</u>
(D) Initial Shut-In <u>1231</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1204</u>
(E) Second Initial Flow <u>47</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1430</u>
(F) Second Final Flow <u>81</u>	<input checked="" type="checkbox"/> Mileage <u>52</u> <u>RT52</u>	Comments _____
(G) Final Shut-In <u>1236</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1530</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer _____
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies _____
	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>1677</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1677</u>	

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60
 Approved By E. I. Felts

Our Representative Jimmy Dickson

Tribolite 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.



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63937

Well Name & No. Nattier Trusts #1 Test No. 3 Date 3-24-19
 Company Palomino Petroleum, Co. Elevation 1439 KB 1433 GL
 Address 4924 SE 84th Street, Newton, KS. 67114-8827
 Co. Rep / Geo. Klee Watchous / Elie Felts Rig Www Drilling #4
 Location: Sec. 16 Twp 24 S Rge. 2 E Co. Harvey State KS.

Interval Tested 3137 - 3237 Zone Tested Hunton
 Anchor Length 100' Drill Pipe Run 3004 Mud Wt. 9.3
 Top Packer Depth 3132 Drill Collars Run 117 Vis 49
 Bottom Packer Depth 3137 Wt. Pipe Run 0 WL 8.8
 Total Depth 3237 Chlorides 1300 ppm System LCM

Blow Description IF-weak blow building to strong blow 21 mins. into FFP. Continuing to build to 17 inches IFP.
FF-weak blow building to strong blow 20 mins. into FFP, continuing to build to 38 inches FFP. 1/2 inch blow back during FFP.

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Oil cut mud</u>	<u>20</u>	<u>80</u>	<u>0</u>	<u>0</u>
<u>160</u>	<u>Gassy oil cut mud</u>	<u>8</u>	<u>13</u>	<u>79</u>	<u>0</u>
<u>165</u>	<u>Clean oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 445 BHT 105 Gravity 26.3 API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 1533 Test 1300 T-On Location 1930
 (B) First Initial Flow 25 Jars 250 T-Started 2018
 (C) First Final Flow 109 Safety Joint 75 T-Open 2242
 (D) Initial Shut-In 1230 Circ Sub T-Pulled 0143
 (E) Second Initial Flow 109 Hourly Standby T-Out 0430
 (F) Second Final Flow 210 Mileage 104 RT 52 Comments 7:30 pm
 (G) Final Shut-In 1237 Sampler loaded tools 3/26 17:30
 (H) Final Hydrostatic 1527 Straddle

Initial Open 30 Ruined Shale Packer
 Initial Shut-In 30 Ruined Packer
 Final Flow 60 Extra Copies
 Final Shut-In 61 Extra Recorder Sub Total 0
Elie Felts Day Standby Total 1729
 Accessibility MP/DST Disc't
 Sub Total 1729

Approved By Elie Felts Our Representative Jimmy Dickelle

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