



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Sieb

Marilyn #1

3-19S-25W Ness,KS

Start Date: 2019.05.20 @ 12:15:00

End Date: 2019.05.20 @ 19:32:30

Job Ticket #: 65930 DST #: 1

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

Printed: 2019.05.22 @ 12:08:16

Palomino Petroleum
3-19S-25W Ness,KS
Marilyn #1
DST # 1
Miss.
2019.05.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th St.
New ton KS 67114
ATTN: Ryan Sieb

3-19S-25W Ness,KS

Marilyn #1

Job Ticket: 65930

DST#: 1

Test Start: 2019.05.20 @ 12:15:00

Tool Information

Drill Pipe:	Length: 4203.21 ft	Diameter: 3.25 inches	Volume: 43.13 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.94 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 43.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.15 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4341.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	120.00 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			4318.00	
Hydraulic tool	5.00			4323.00	
Jars	5.00			4328.00	
Safety Joint	3.00			4331.00	
Packer	5.00			4336.00	28.00 Bottom Of Top Packer
Packer	5.00			4341.00	
Stubb	1.00			4342.00	
Recorder	0.00	8360	Inside	4342.00	
Recorder	0.00	8673	Outside	4342.00	
Perforations	23.00			4365.00	
Change Over Sub	1.00			4366.00	
Drill Pipe	63.00			4429.00	
Change Over Sub	1.00			4430.00	
Bullnose	3.00			4433.00	92.00 Bottom Packers & Anchor

Total Tool Length: 120.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

3-19S-25W Ness, KS

4924 SE 84th St.
New ton KS 67114

Marilyn #1

Job Ticket: 65930

DST#: 1

ATTN: Ryan Sieb

Test Start: 2019.05.20 @ 12:15:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 7.18 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 37 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Free Oil - 100%o	0.123
60.00	OCM - 35%o - 65%m	0.295

Total Length: 85.00 ft Total Volume: 0.418 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

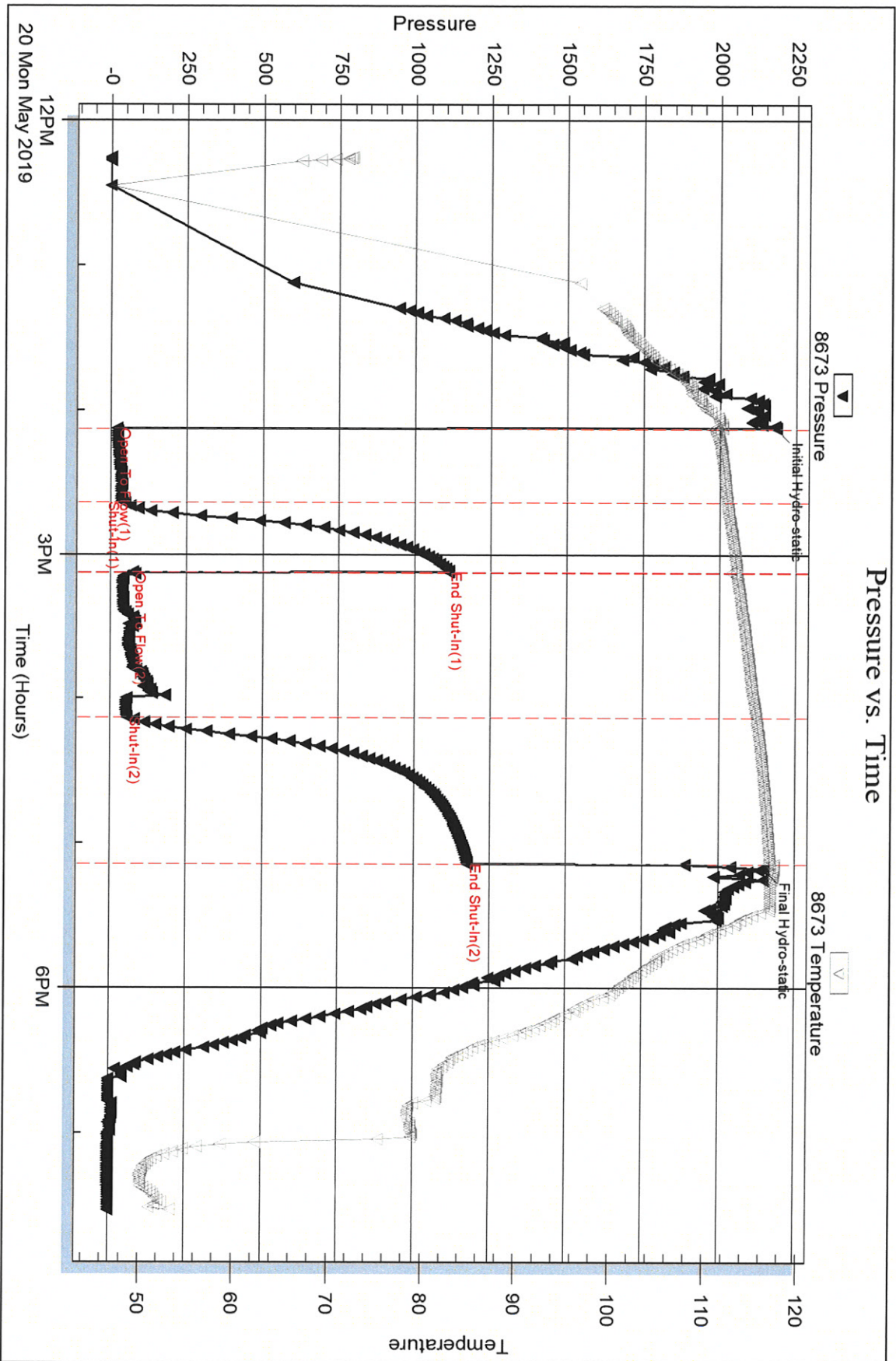
Recovery Comments:

Serial #: 8673

Outside Palomino Petroleum

Marilyn #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65930

Printed: 2019.05.22 @ 12:08:17

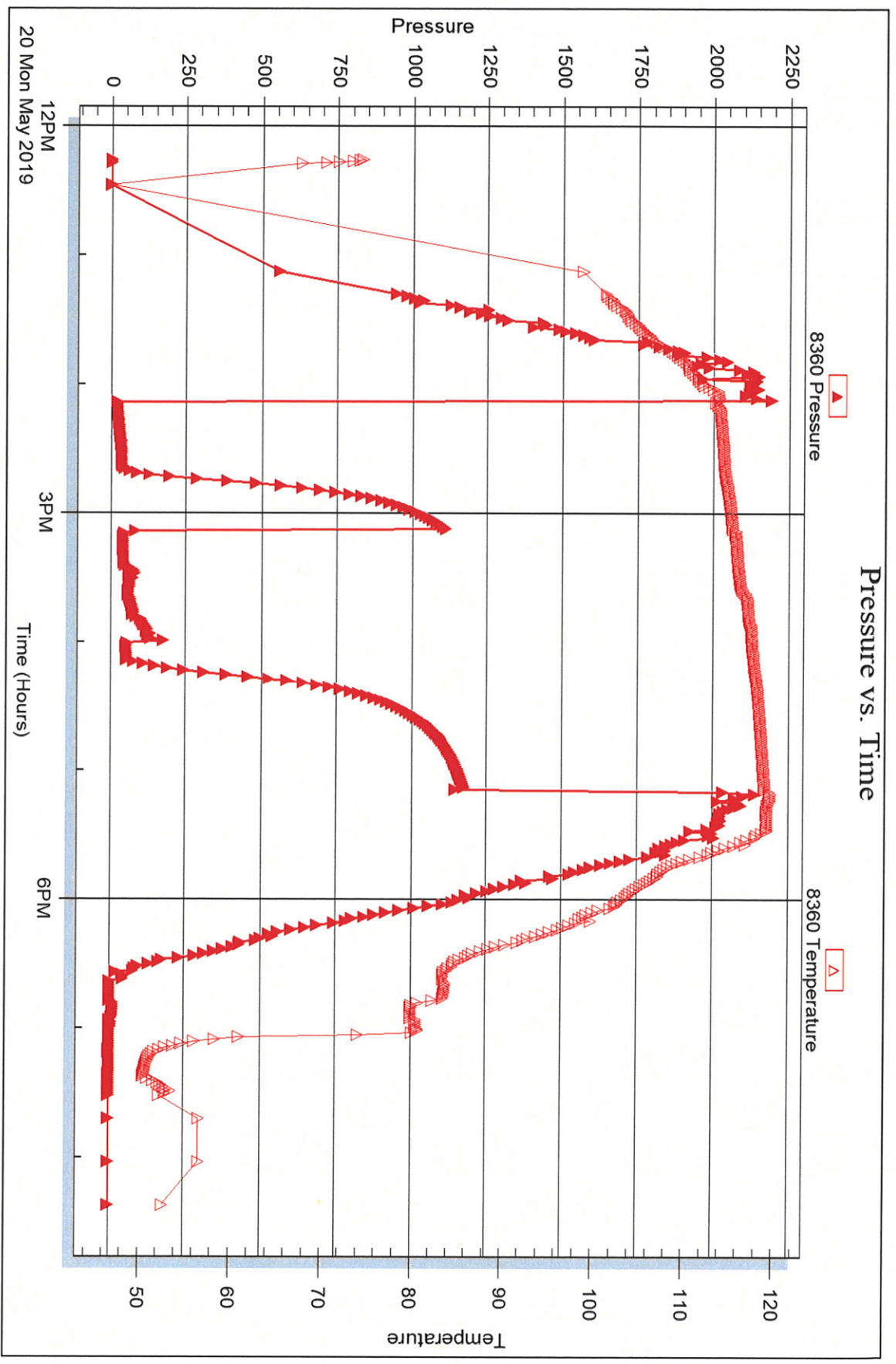
Serial #: 8360

Inside

Palomino Petroleum

Marilyn #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65930

Printed: 2019.05.22 @ 12:08:18



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Sieb

Marilyn #1

3-19S-25W Ness,KS

Start Date: 2019.05.21 @ 00:54:00

End Date: 2019.05.21 @ 08:08:30

Job Ticket #: 65931 DST #: 2

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

Printed: 2019.05.22 @ 12:06:17

Palomino Petroleum
3-19S-25W Ness,KS
Marilyn #1
DST # 2
Miss.
2019.05.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St.
New ton KS 67114
ATTN: Ryan Sieb

3-19S-25W Ness,KS

Marilyn #1

Job Ticket: 65931

DST#: 2

Test Start: 2019.05.21 @ 00:54:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:57:30

Time Test Ended: 08:08:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 77

Interval: **4341.00 ft (KB) To 4440.00 ft (KB) (TVD)**

Total Depth: 4440.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2419.00 ft (KB)

2414.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8673

Outside

Press@RunDepth: 150.64 psig @ 4342.00 ft (KB)

Start Date: 2019.05.21

End Date:

2019.05.21

Capacity: 8000.00 psig

Last Calib.: 2019.05.21

Start Time: 00:54:05

End Time:

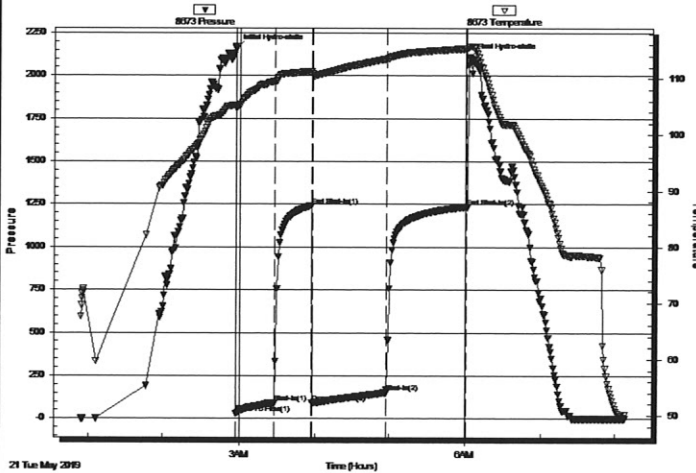
08:08:29

Time On Btm: 2019.05.21 @ 02:57:00

Time Off Btm: 2019.05.21 @ 06:03:30

TEST COMMENT: 30 - IFP - Surface blow built to bottom of the bucket in 28 mins.
30 - ISI - No Return
60 - FFP - Surface blow built to bottom of the bucket in 23 mins.
60 - FSI - Weak return started 10 mins. in and built up to 1/4"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2158.03	105.15	Initial Hydro-static
1	30.31	104.68	Open To Flow (1)
31	89.18	109.42	Shut-In(1)
60	1242.24	111.29	End Shut-In(1)
61	92.31	110.83	Open To Flow (2)
121	150.64	113.49	Shut-In(2)
185	1235.10	115.36	End Shut-In(2)
187	2110.01	115.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	Free Oil - 100%o	0.65
186.00	OCM - 50%o - 50%m	1.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

3-19S-25W Ness, KS

4924 SE 84th St.
New ton KS 67114

Marilyn #1

Job Ticket: 65931

DST#: 2

ATTN: Ryan Sieb

Test Start: 2019.05.21 @ 00:54:00

Tool Information

Drill Pipe:	Length: 4203.26 ft	Diameter: 3.25 inches	Volume: 43.13 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.94 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 43.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.20 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4341.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	99.00 ft			
Tool Length:	127.00 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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Shut In Tool	5.00			4318.00	
Hydraulic tool	5.00			4323.00	
Jars	5.00			4328.00	
Safety Joint	3.00			4331.00	
Packer	5.00			4336.00	28.00 Bottom Of Top Packer
Packer	5.00			4341.00	
Stubb	1.00			4342.00	
Recorder	0.00	8360	Inside	4342.00	
Recorder	0.00	8673	Outside	4342.00	
Perforations	30.00			4372.00	
Change Over Sub	1.00			4373.00	
Drill Pipe	63.00			4436.00	
Change Over Sub	1.00			4437.00	
Bullnose	3.00			4440.00	99.00 Bottom Packers & Anchor

Total Tool Length: 127.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St.
New ton KS 67114
ATTN: Ryan Sieb

3-19S-25W Ness, KS
Marilyn #1
Job Ticket: 65931 **DST#: 2**
Test Start: 2019.05.21 @ 00:54:00

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: ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	Free Oil - 100%o	0.652
186.00	OCM - 50%o - 50%m	1.908

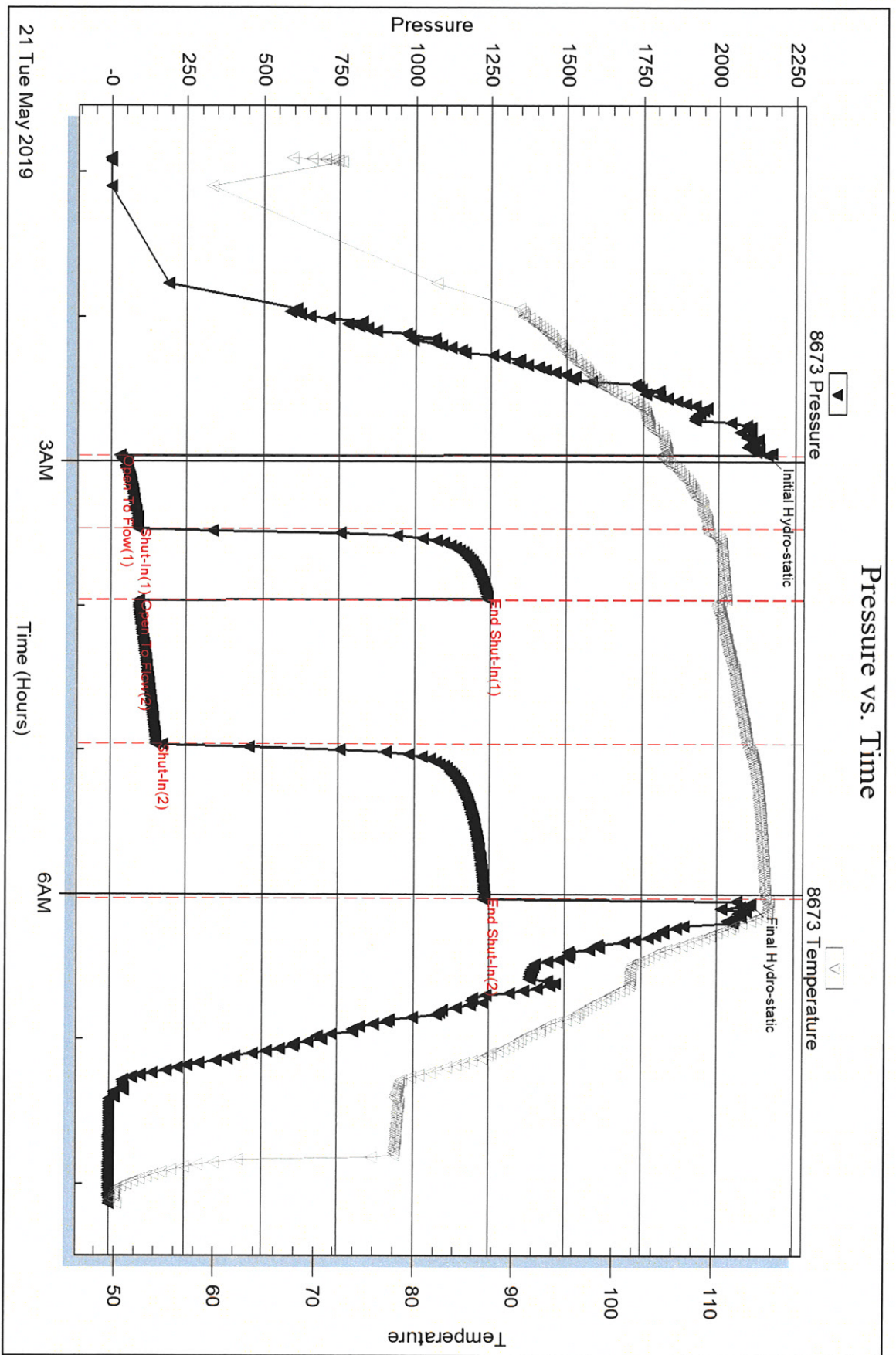
Total Length: 311.00 ft Total Volume: 2.560 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 37 @ 60 - Gravity

Serial #: 8673

Outside Palomino Petroleum

Marilyn #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65931

Printed: 2019.05.22 @ 12:06:18

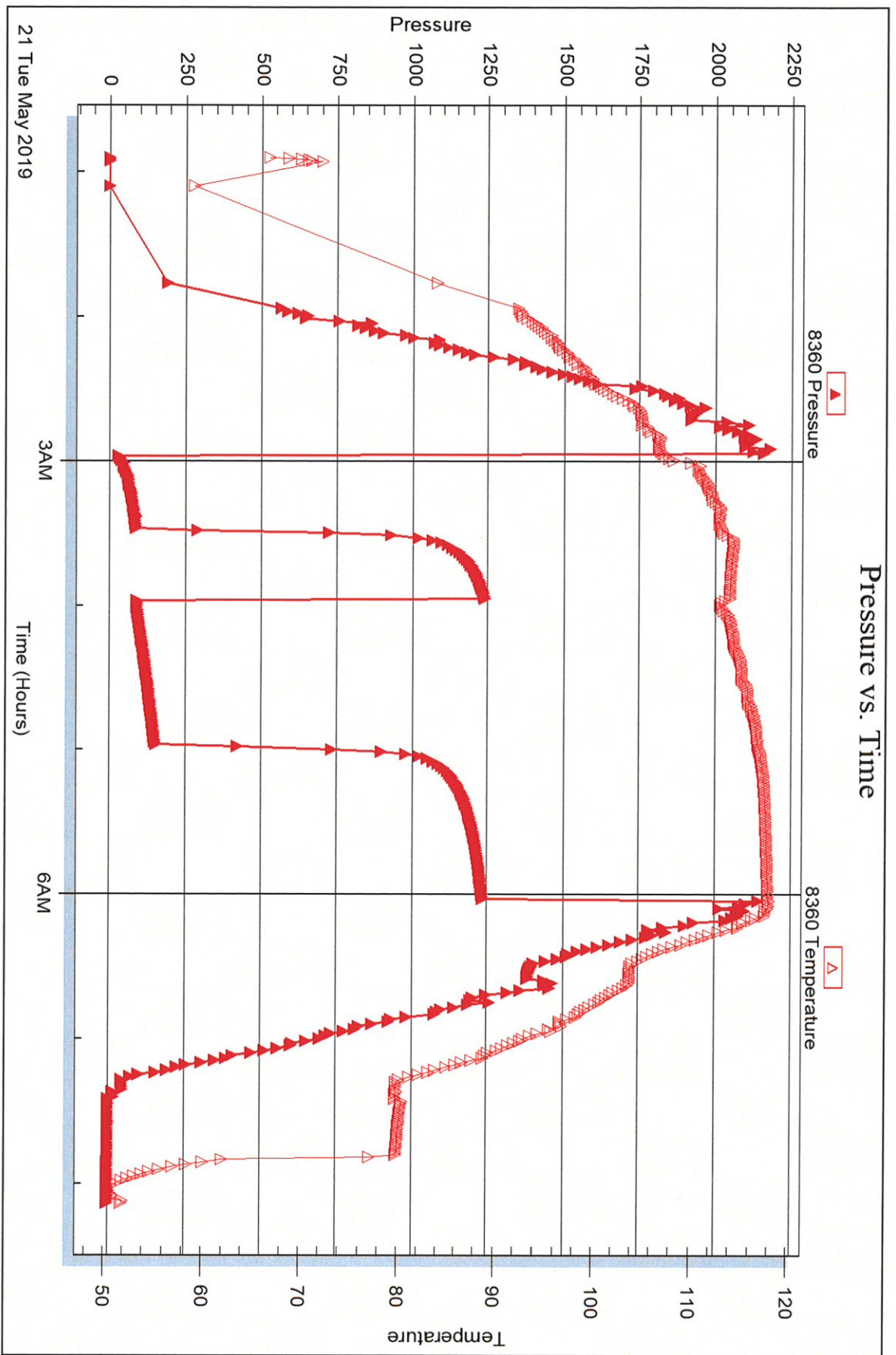
Serial #: 8360

Inside

Palomino Petroleum

Marilyn #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65931

Printed: 2019.05.22 @ 12:06:18



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Sieb

Marilyn #1

3-19S-25W Ness,KS

Start Date: 2019.05.21 @ 23:40:00

End Date: 2019.05.22 @ 06:22:30

Job Ticket #: 65932 DST #: 3

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

Printed: 2019.05.22 @ 12:05:32

Palomino Petroleum 3-19S-25W Ness,KS Marilyn #1 DST # 3 Miss. 2019.05.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St.
New ton KS 67114
ATTN: Ryan Sieb

3-19S-25W Ness, KS

Marilyn #1

Job Ticket: 65932

DST#: 3

Test Start: 2019.05.21 @ 23:40:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:29:30

Time Test Ended: 06:22:30

Test Type: Conventional Straddle (Initial)

Tester: Royal Fisher

Unit No: 77

Interval: **4439.00 ft (KB) To 4460.00 ft (KB) (TVD)**

Total Depth: 4561.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2419.00 ft (KB)

2414.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8673

Inside

Press@RunDepth: 625.05 psig @ 4440.00 ft (KB)

Start Date: 2019.05.21

End Date:

2019.05.22

Capacity: 8000.00 psig

Last Calib.: 2019.05.22

Start Time: 23:40:05

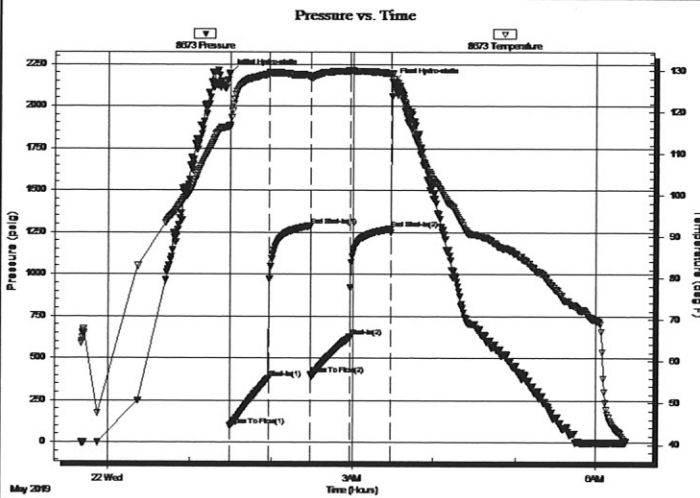
End Time:

06:22:29

Time On Btm: 2019.05.22 @ 01:29:00

Time Off Btm: 2019.05.22 @ 03:29:45

TEST COMMENT: 30 - IFP - Surface blow built to B.o.B in 5 mins.
30 - ISI - Return started 5 mins in and built up to 1/2"
30 - FFP - Surface blow built to B.o.B in 5 mins
30 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.45	116.85	Initial Hydro-static
1	98.85	116.28	Open To Flow (1)
29	380.93	129.17	Shut-In(1)
60	1288.54	128.75	End Shut-In(1)
60	402.24	128.23	Open To Flow (2)
89	625.05	129.93	Shut-In(2)
120	1269.82	129.32	End Shut-In(2)
121	2143.27	129.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
567.00	OSMW oil spots 5% m 95% w	5.19
756.00	GOCMW - 35%g - 35%o - 5%m - 25%w	7.76
68.00	Oil 100% o	0.70

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th St.
New ton KS 67114

ATTN: Ryan Sieb

3-19S-25W Ness,KS

Marilyn #1
Job Ticket: 65932 **DST#: 3**
Test Start: 2019.05.21 @ 23:40:00

Tool Information

Drill Pipe:	Length: 4333.46 ft	Diameter: 3.25 inches	Volume: 44.46 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.94 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 45.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.40 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4439.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	4566.00 ft			
Interval between Packers:	127.00 ft			
Tool Length:	147.00 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			4424.00	
Hydraulic tool	5.00			4429.00	
Packer	5.00		Inside	4434.00	20.00 Bottom Of Top Packer
Packer	5.00			4439.00	
Stubb	1.00			4440.00	
Recorder	0.00	8673	Inside	4440.00	
Recorder	0.00	8360	Outside	4440.00	
Perforations	16.00			4456.00	
Blank Off Sub	1.00			4457.00	
Stubb	3.00		Outside	4460.00	
Packer - Shale	5.00		Outside	4465.00	
Stubb	1.00			4466.00	
Perforations	1.00			4467.00	
Change Over Sub	1.00			4468.00	
Recorder	0.00	8678	Inside	4468.00	
Drill Pipe	94.00		Below	4562.00	
Change Over Sub	1.00			4563.00	
Bullnose	3.00			4566.00	127.00 Bottom Packers & Anchor

Total Tool Length: 147.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

3-19S-25W Ness,KS

4924 SE 84th St.
New ton KS 67114

Marilyn #1

Job Ticket: 65932

DST#: 3

ATTN: Ryan Sieb

Test Start: 2019.05.21 @ 23:40:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 15000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3300.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
567.00	OSMV oil spots 5% m 95% w	5.188
756.00	GOCMV - 35%g - 35%o - 5%m - 25%w	7.757
68.00	Oil 100% o	0.698

Total Length: 1391.00 ft Total Volume: 13.643 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity - 35 @ 60 deg.

Salinity - .740 @ 40 deg.

Serial #: 8673

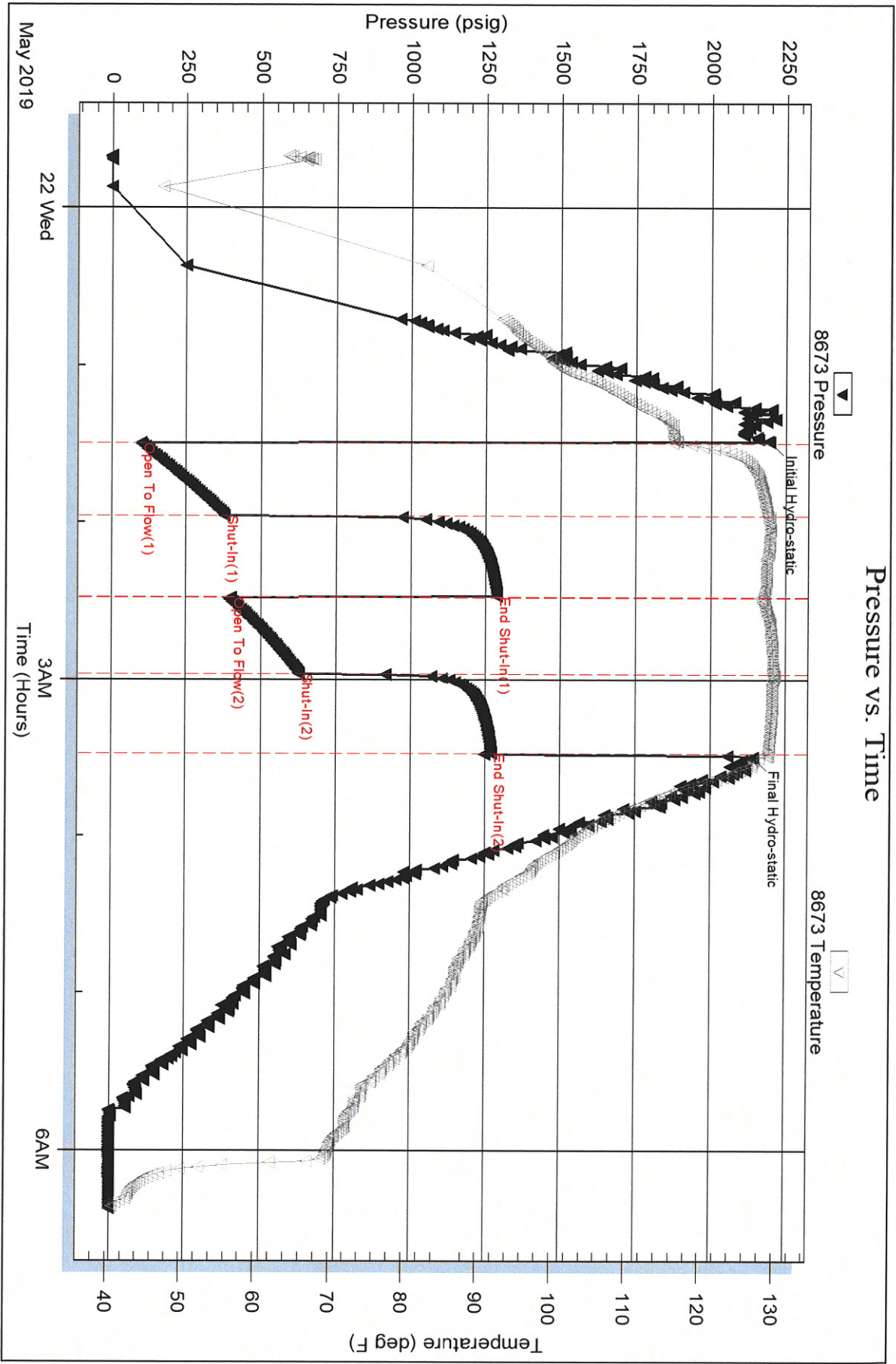
Inside

Palomiro Petroleum

Marilyn #1

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 65932

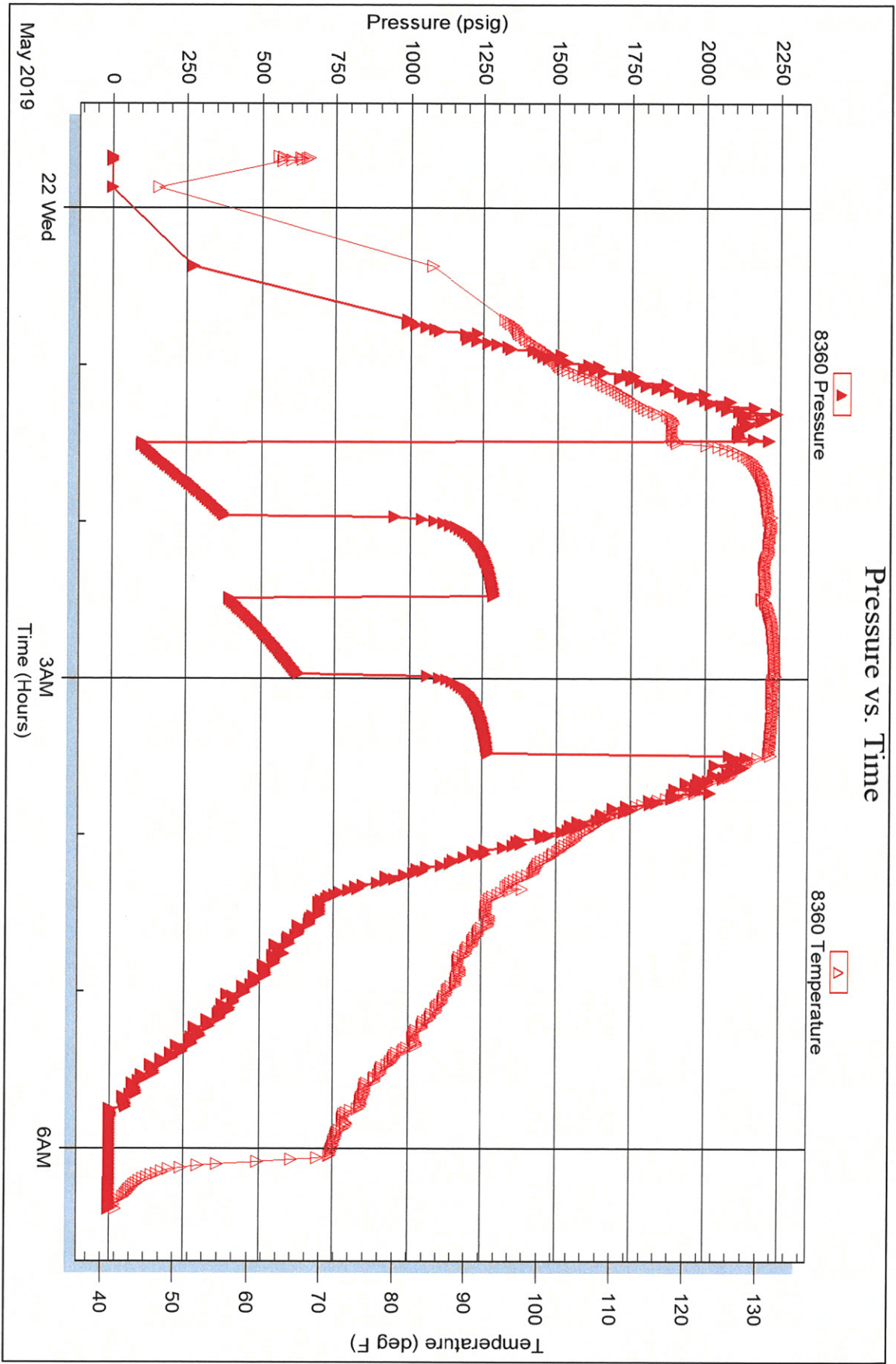
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Serial #: 8360

Outside Palomino Petroleum

Marilyn #1

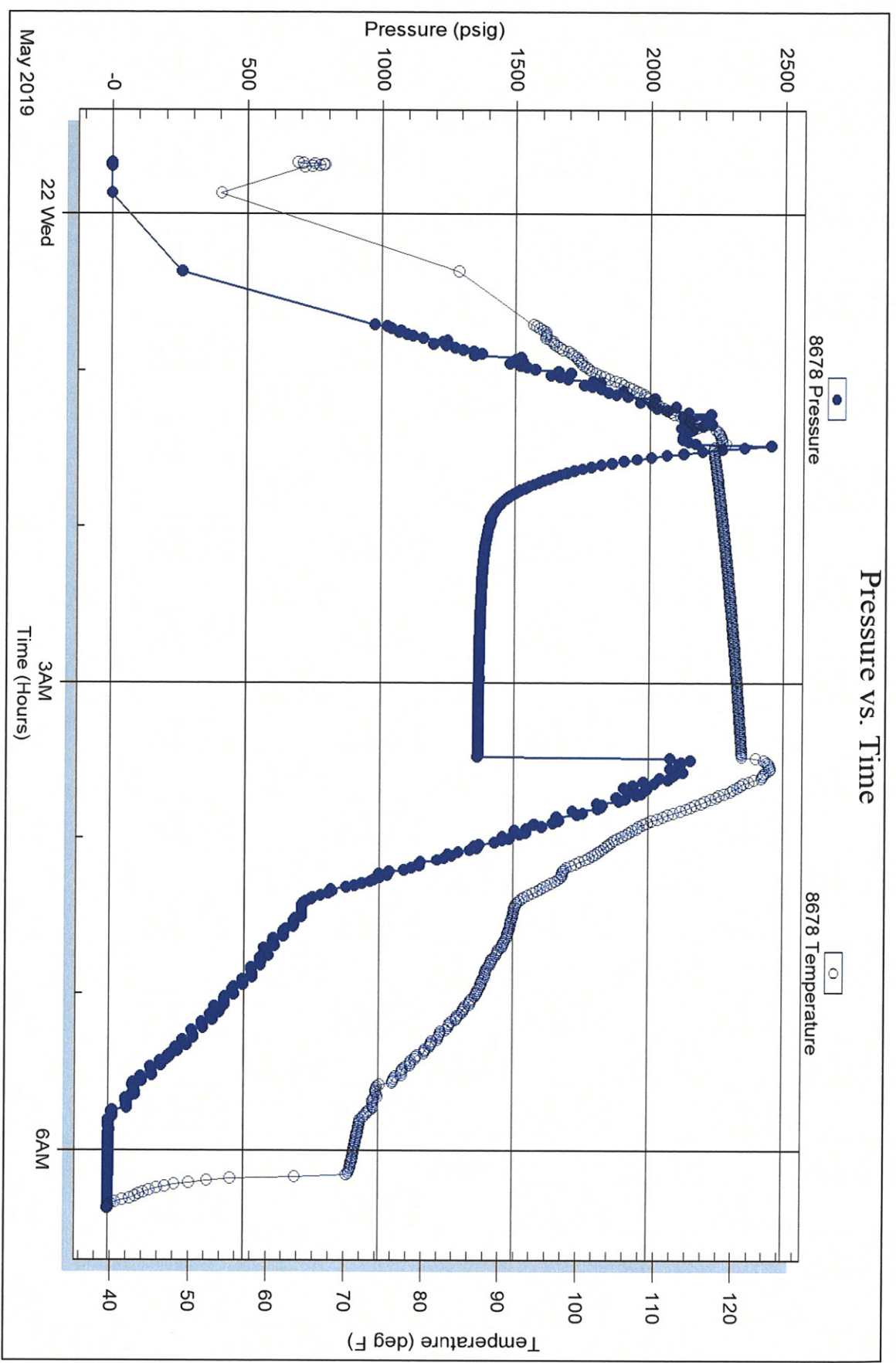
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 65932

Printed: 2019.05.22 @ 12:05:34





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65930

NO.

Well Name & No. Marilyn #1 Test No. 1 Date 5-20-19
 Company Palomino Petroleum Elevation 2419 KB 2414 GL
 Address 4924 SE 84th St Newton ks 67114
 Co. Rep / Geo. Ryan Sieb Rig WW#8
 Location: Sec. 3 Twp 19S Rge. 25W Co. Ness State ks

Interval Tested 4341'-4433' Zone Tested Miss.
 Anchor Length 92' Drill Pipe Run 4203.21' Mud Wt. 9.45
 Top Packer Depth ~~4336'~~ 4336' Drill Collars Run 117.94' Vis 57
 Bottom Packer Depth ~~4033'~~ 4341' Wt. Pipe Run 0 WL 7.2
 Total Depth 4433' Chlorides 5,000 ppm System LCM 1 1/2#

Blow Description IFP-Surface blow built up to 3 1/4"
ISI-No Return
FFP-Surface blow built up to 4 1/2"
EST-Very faint return started 13 mins and ~~was~~ stayed faint.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25'</u>	<u>Free Oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>60'</u>	<u>OCM</u>	<u>35</u>	<u>0</u>	<u>65</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 85' BHT 117°F Gravity 37 @ 60° API RW @ ° F Chlorides ppm

- (A) Initial Hydrostatic 2184
- (B) First Initial Flow 21
- (C) First Final Flow 38
- (D) Initial Shut-In 1110
- (E) Second Initial Flow 73
- (F) Second Final Flow 56
- (G) Final Shut-In 1177
- (H) Final Hydrostatic 2150

- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 148 R/T 148
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1773

- T-On Location 11:00am
- T-Started 12:15pm
- T-Open 2:07pm
- T-Pulled 5:07pm
- T-Out 7:32pm
- Comments
- EM Tool
- Ruined Shale Packer
- Ruined Packer
- Extra Copies 0
- Sub Total 0
- Total 1773
- MP/DST Disc't

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

Approved By _____ Our Representative Ryan Sieb

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.



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65931

NO.

Well Name & No. Marilyn #1 Test No. 2 Date 5-20-19
 Company Palomino Petroleum Elevation 2419 KB 2414 GL
 Address 4924 SE 81st St. Newton Ks 67114
 Co. Rep / Geo. Ryan Sieb Rig WW #8
 Location: Sec. 3 Twp 19S Rge. 25W Co. Ness State Ks

Interval Tested 4341'-4440' Zone Tested MISS.
 Anchor Length 99' Drill Pipe Run 4203.26' Mud Wt. 9.45
 Top Packer Depth 4336' Drill Collars Run 117.94' Vis 57
 Bottom Packer Depth 4341' Wt. Pipe Run 0 WL 7.2
 Total Depth 4440' Chlorides 5,000 ppm System LCM 1 1/2 #

Blow Description FFP - surface blow built to bottom of the bucket in 28 mins.
ISI - No Return
FFP - surface blow built to B.O.B in 23 mins.
FST - weak return started 10 mins in and built to 1/4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>125'</u>	<u>Free Oil</u>	<u>100</u>			
<u>186'</u>	<u>OCM</u>	<u>50</u>		<u>50</u>	

Rec Total 311' BHT 115°F Gravity 37@100° API RW @ °F Chlorides ppm

- (A) Initial Hydrostatic 2158
- (B) First Initial Flow 30
- (C) First Final Flow 89
- (D) Initial Shut-In 1242
- (E) Second Initial Flow 92
- (F) Second Final Flow 151
- (G) Final Shut-In 1235
- (H) Final Hydrostatic 2110

- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby 5 1/2 hrs
- Mileage 148 R/T 148
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1773

T-On Location 11:00am 5-20-19
 T-Started 12:54am 5-21-19
 T-Open 2:57am
 T-Pulled 5:57am
 T-Out 8:08am
 Comments Stayed on location only drilled 7' & tested again
 EM Tool
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1773
 MP/DST Disc't

Approved By _____

Our Representative Ryan Sieb

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

Test Ticket 65932

NO.

Well Name & No. Marilyn #1 Test No. 3 Date 5-21-19
 Company Palomina Petroleum Elevation 2419 KB 2414 GL
 Address 4924 SE 84th St. Newton Ks 67114
 Co. Rep / Geo. Ryan Sieb Rig WW#8
 Location: Sec. 3 Twp 19S Rge. 25W Co. Ness State Ks

Interval Tested 4439' - 4460' Zone Tested Miss.
 Anchor Length 21' Drill Pipe Run 4333.46 Mud Wt. 9.4
 Top Packer Depth 4434' Drill Collars Run 117.94 Vis 46
 Bottom Packer Depth 4439' Wt. Pipe Run 0 WL 8.8
 Total Depth 4561' Chlorides 3300 ppm System LCM 1 1/2 #

Blow Description TFP - Surface blow built to B.O.B in 5 mins.
TSI - Weath Return started 5 mins in and built up to 1/2"
FFP - Surface blow built to B.O.B in 5 mins.
FST - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>68'</u>	<u>Free Oil</u>	<u>100</u>			
<u>756'</u>	<u>GOCMW</u>	<u>35</u>	<u>35</u>	<u>25</u>	<u>5</u>
<u>567'</u>	<u>OSMW</u>	<u>Spots</u>	<u>95</u>	<u>5</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1391' BHT 129°F Gravity 35@10 API RW 740@40 °F Chlorides 15000 ppm

(A) Initial Hydrostatic <u>2195</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>8:30pm</u>
(B) First Initial Flow <u>99</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>11:40pm</u>
(C) First Final Flow <u>381</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>11:27am</u>
(D) Initial Shut-In <u>1289</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>3:27am</u>
(E) Second Initial Flow <u>402</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>6:23am</u>
(F) Second Final Flow <u>625</u>	<input checked="" type="checkbox"/> Mileage <u>148 R/T</u> 148	Comments <u>boxed tool after test.</u>
(G) Final Shut-In <u>1270</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2143</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> EM Tool
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Extra Recorder <u>200</u>	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>2823</u>
	Sub Total <u>2823</u>	MP/DST Disc't

Approved By _____ Our Representative _____

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