



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
 PHONE:785-324-1041 FAX:785-483-1087
 EMAIL: cementing@ruraltel.net

Date: 9/22/2017
 Invoice # 62
 P.O.#:
 Due Date: 10/22/2017
 Division: Russell

RECEIVED
 SEP 26 2017

Invoice

Contact:
 Palomino Petroleum Inc
 Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 H 3 S 1 SEC 27-19-22

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 601.97	Yes				
Common-Class A	138	\$ 1,918.03	Yes				
POZ Mix-Standard	92	\$ 434.51	Yes				
Bulk Truck Matl-Material Service Charge	238	\$ 160.58	Yes				
Premium Gel (Bentonite)	8	\$ 156.53	Yes				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 75.90	Yes				
Flo Seal	50	\$ 67.47	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 59.04	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$	3,474.02
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(86.85)
<hr/>			
	SubTotal for Taxable Items:	\$	3,387.17
	SubTotal for Non-Taxable Items:	\$	-
<hr/>			
	Total:	\$	3,387.17
	Tax:	\$	220.17
<hr/>			
	Amount Due:	\$	3,607.34
	Applied Payments:		
	Balance Due:	\$	3,607.34

6.50% Ness County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 062

Date 9-22-17	Sec. 27	Twp. 19	Range 22	County Ness	State KS	On Location	Finish 10:30PM
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Location *Bazine w to BB Rd sto 80 Rd, SW 2*

Lease 435	Well No. 1	Owner
Contractor <i>ww 12</i>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <i>Plng</i>		
Hole Size <i>7 7/8</i>	T.D. <i>4510</i>	Charge To <i>Palomino Petroleum</i>
Csg.	Depth	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <i>230 sx 60/40, 4% gel, 1/4" Flo.</i>
Meas Line	Displace	

EQUIPMENT

Pumptrk 18	No.	Cementer	Common
		Helper <i>Travis</i>	Poz. Mix <i>92</i>
Bulktrk 14	No.	Driver	Gel. <i>8</i>
		Driver <i>Tony</i>	Calcium
Bulktrk	No.	Driver	
		Driver	

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal <i>50TR</i>
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>50 sx at 1560</i>	Sand
<i>80 sx at 720</i>	Handling <i>238</i>
<i>50 sx at 270</i>	Mileage

FLOAT EQUIPMENT

<i>20 sx at 60</i>	Guide Shoe
<i>30 sx Rail</i>	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge *plng*
Mileage *25*

X Signature <i>[Signature]</i>	Tax
	Discount
	Total Charge



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
 PHONE:785-324-1041 FAX:785-483-1087
 EMAIL: cementing@ruraltel.net

Date: 9/13/2017
 Invoice # 386

P.O.#:
 Due Date: 10/13/2017
 Division: *Russell*

RECEIVED
 SEP 18 2017

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 H 3 S 1 SEC 27-19-22

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 601.97	No				
Common-Class A	120	\$ 1,667.86	Yes				
Calcium Chloride	6	\$ 226.70	Yes				
POZ Mix-Standard	30	\$ 141.69	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 107.28	No				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 75.90	No				
Premium Gel (Bentonite)	3	\$ 58.70	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 59.04	No				

Invoice Terms:

Net 30

SubTotal: \$ 2,939.12
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (73.48)

SubTotal for Taxable Items:	\$ 2,042.57
SubTotal for Non-Taxable Items:	\$ 823.08
Total:	\$ 2,865.64
Tax:	\$ 132.77

6.50% Ness County Sales Tax

Thank You For Your Business!

Amount Due: \$ 2,998.41
Applied Payments:
Balance Due: \$ 2,998.41

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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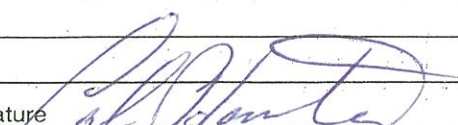
QUALITY OILWELL CEMENTING, INC.

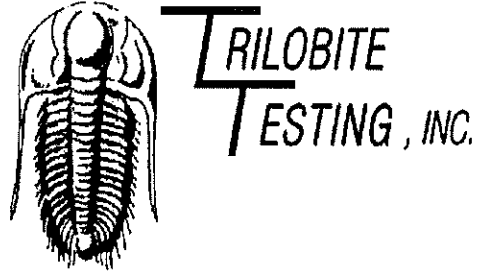
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 386

Date	9-13-17	Sec.	27	Twp.	19	Range	22	County	WISS	State	KS	On Location		Finish	8:27pm	
Lease	H35 H35							Well No.	1	Location Bazine 2W BBR 5S 80R Winto						
Contractor	WW #12							Owner		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Type Job	Surface							Charge To		Palomino Petroleum						
Hole Size	12 1/4		T.D.		221		Depth		220							
Csg.	8 5/8		Depth				Street									
Tbg. Size			Depth				City		State							
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	10		Shoe Joint				Cement Amount Ordered 150 80/20 3/CC 2/CC									
Meas Line			Displace		13BC											
EQUIPMENT																
Pumptrk	5	No.	Cementer	Mike	Helper		Common	120	120							
Bulktrk		No.	Driver	Brett	Driver		Poz. Mix	30	30							
Bulktrk		No.	Driver		Driver		Gel.	3	3							
Bulktrk	15	No.	Driver	David	Driver		Calcium	6	6							
JOB SERVICES & REMARKS																
Remarks:													Hulls			
Rat Hole													Salt			
Mouse Hole													Flowseal			
Centralizers													Kol-Seal			
Baskets													Mud CLR 48			
D/V or Port Collar													CFL-117 or CD110 CAF 38			
8 5/8 on bottom. Est. Circulation.													Sand			
Mix 150SK + Displace.													Handling 159			
Cement Circulated													Mileage			
													FLOAT EQUIPMENT			
													Guide Shoe			
													Centralizer			
													Baskets			
													AFU Inserts			
													Float Shoe			
													Latch Down			
													Pumptrk Charge Surface			
													Mileage 25			
X Signature 													Tax			
													Discount			
													Total Charge			



DRILL STEM TEST REPORT

Prepared For: **Palonino Petroleum, Inc.**

4924 SE 84th Street
Newton, KS 67114

ATTN: Klee Watchous

H3S #1

27-19S-22W Ness,KS

Start Date: 2017.09.18 @ 20:26:45

End Date: 2017.09.19 @ 02:56:53

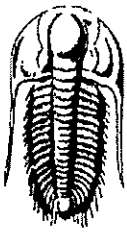
Job Ticket #: 63595 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.09.25 @ 15:16:04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63595

DST#: 1

ATTN: Klee Watchous

Test Start: 2017.09.18 @ 20:26:45

GENERAL INFORMATION:

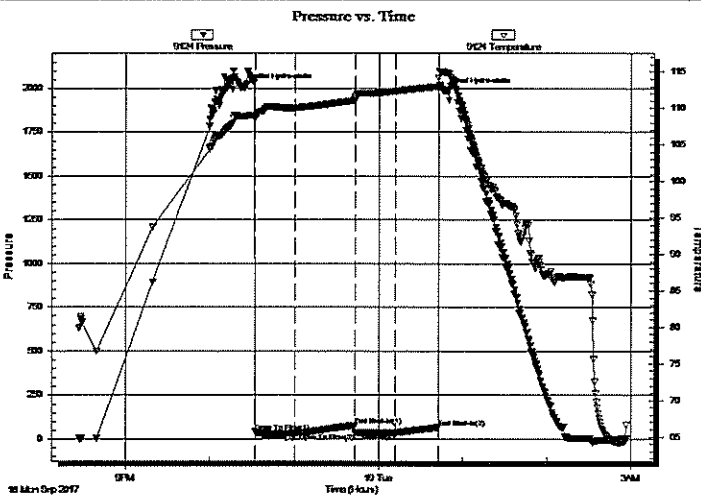
Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:32:23
 Time Test Ended: 02:56:53
 Interval: 4227.00 ft (KB) To 4296.00 ft (KB) (TVD)
 Total Depth: 4296.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 2245.00 ft (KB)
 2237.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 9124

Inside

Press@RunDepth: 36.28 psig @ 4228.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.09.18 End Date: 2017.09.19 Last Calib.: 2017.09.18
 Start Time: 20:26:50 End Time: 02:56:52 Time On Btm: 2017.09.18 @ 22:25:13
 Time Off Btm: 2017.09.19 @ 00:47:32

TEST COMMENT: IF - Weak blow building to 1/4"
 FF - Weak blow building to 14"



PRESSURE SUMMARY

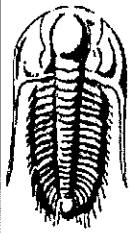
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.48	108.86	Initial Hydro-static
8	38.10	108.95	Open To Flow (1)
35	33.53	110.02	Shut-In(1)
78	77.92	111.04	End Shut-In(1)
78	34.23	111.37	Open To Flow (2)
107	36.28	112.33	Shut-In(2)
138	67.95	112.98	End Shut-In(2)
143	1984.38	114.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling mud with trace of oil 100%M	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palonino Petroleum, Inc.

27-19S-22W Ness,KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63595

DST#: 1

ATTN: Klee Watchous

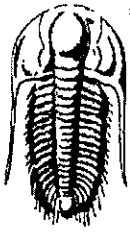
Test Start: 2017.09.18 @ 20:26:45

Tool Information

Drill Pipe:	Length: 4107.00 ft	Diameter: 3.80 inches	Volume: 57.61 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 58.20 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4227.00 ft			Final 56000.00 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
Change Over Sub	1.00			4200.00	
Shut In Tool	5.00			4205.00	
Hydraulic tool	5.00			4210.00	
Jars	5.00			4215.00	
Safety Joint	3.00			4218.00	
Packer	4.00			4222.00	28.00 Bottom Of Top Packer
Packer	5.00			4227.00	
Stubb	1.00			4228.00	
Recorder	0.00	8679	Outside	4228.00	
Recorder	0.00	9124	Inside	4228.00	
Perforations	25.00			4253.00	
Change Over Sub	1.00			4254.00	
Blank Spacing	31.00			4285.00	
Change Over Sub	1.00			4286.00	
Perforations	5.00			4291.00	
Bullnose	5.00			4296.00	69.00 Bottom Packers & Anchor
Total Tool Length:	97.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
New ton, KS 67114

H3S #1

Job Ticket: 63595

DST#: 1

ATTN: Klee Watchous

Test Start: 2017.09.18 @ 20:26:45

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drilling mud w ith trace of oil 100%M	0.098

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:

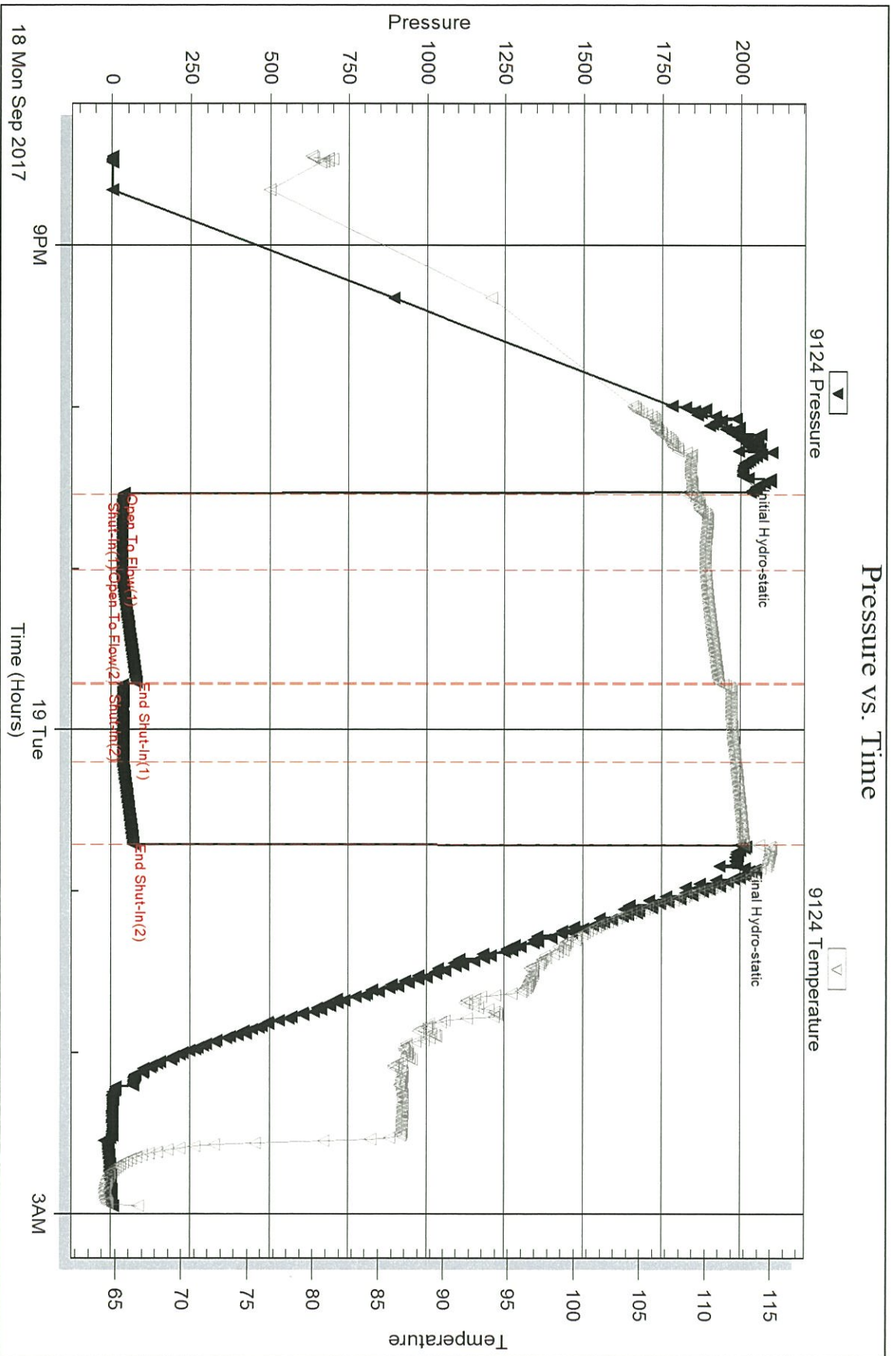
Serial #: 9124

Inside

Palomino Petroleum, Inc.

H3S #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 63595

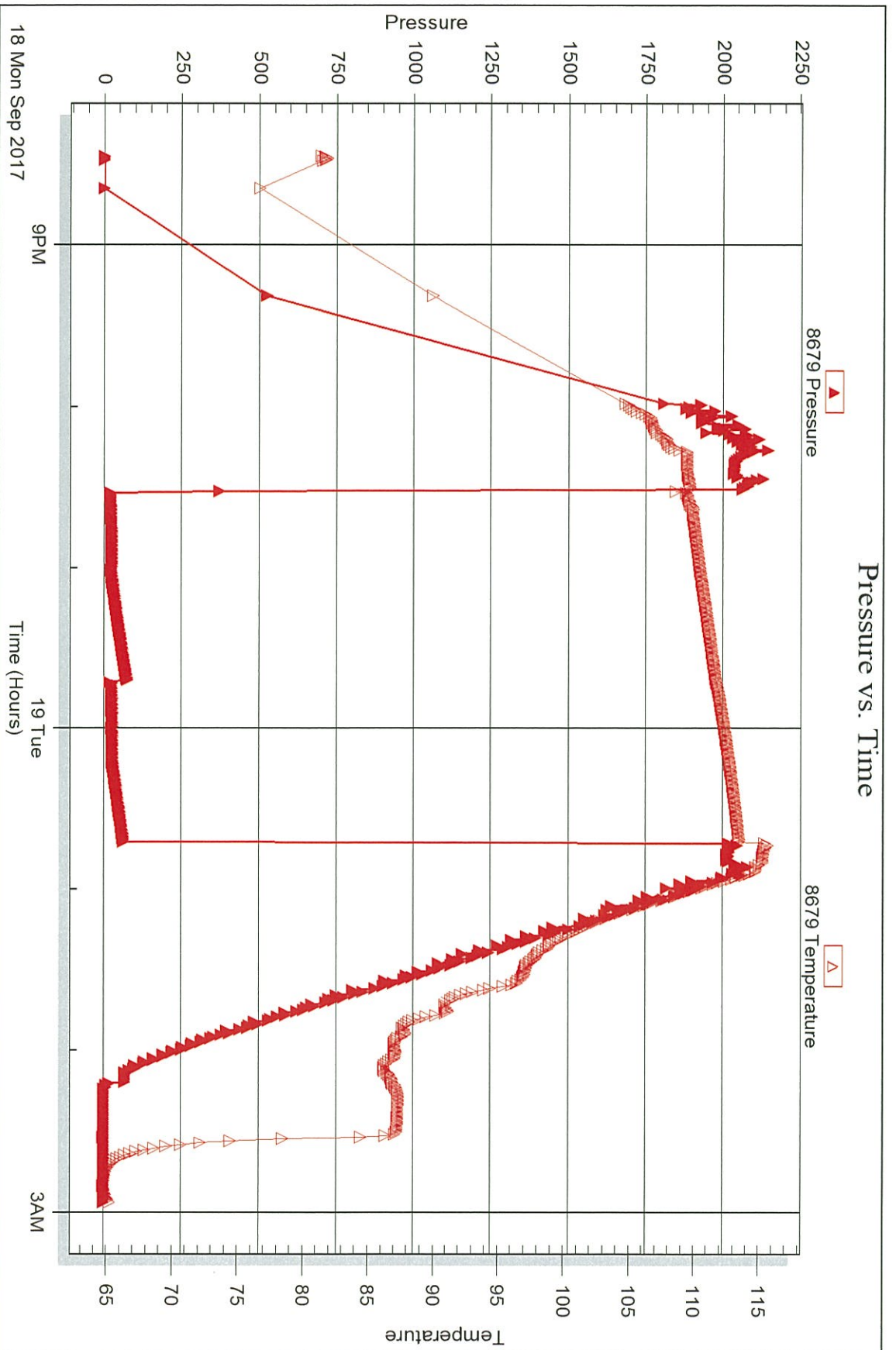
Printed: 2017.09.25 @ 15:16:05

Serial #: 8679

Outside Palomino Petroleum, Inc.

H3S #1

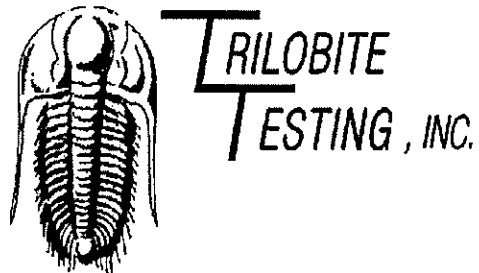
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 63595

Printed: 2017.09.25 @ 15:16:05



DRILL STEM TEST REPORT

Prepared For: **Palonino Petroleum, Inc.**

4924 SE 84th Street
Newton, KS 67114

ATTN: Klee Watchous

H3S #1

27-19S-22W Ness,KS

Start Date: 2017.09.19 @ 12:33:00

End Date: 2017.09.19 @ 18:44:30

Job Ticket #: 63596 DST #: 2

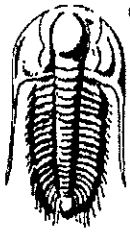
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.09.25 @ 15:15:33

Palonino Petroleum, Inc. 27-19S-22W Ness,KS H3S #1 DST # 2 Mississippian 2017.09.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63596

DST#: 2

ATTN: Klee Watchous

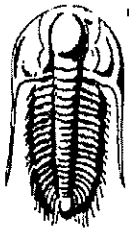
Test Start: 2017.09.19 @ 12:33:00

Tool Information

Drill Pipe:	Length: 4138.00 ft	Diameter: 3.80 inches	Volume: 58.05 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.64 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4276.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	117.00 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			4249.00	
Shut In Tool	5.00			4254.00	
Hydraulic tool	5.00			4259.00	
Jars	5.00			4264.00	
Safety Joint	3.00			4267.00	
Packer	4.00			4271.00	28.00 Bottom Of Top Packer
Packer	5.00			4276.00	
Stubb	1.00			4277.00	
Recorder	0.00	8679	Outside	4277.00	
Recorder	0.00	9124	Inside	4277.00	
Perforations	15.00			4292.00	
Change Over Sub	0.50			4292.50	
Blank Spacing	62.50			4355.00	
Change Over Sub	1.00			4356.00	
Perforations	4.00			4360.00	
Bullnose	5.00			4365.00	89.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
New ton, KS 67114

H3S #1

Job Ticket: 63596

DST#: 2

ATTN: Klee Watchous

Test Start: 2017.09.19 @ 12:33:00

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: 10.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	SWOCM 5%O 2%W & 93%M	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 9124

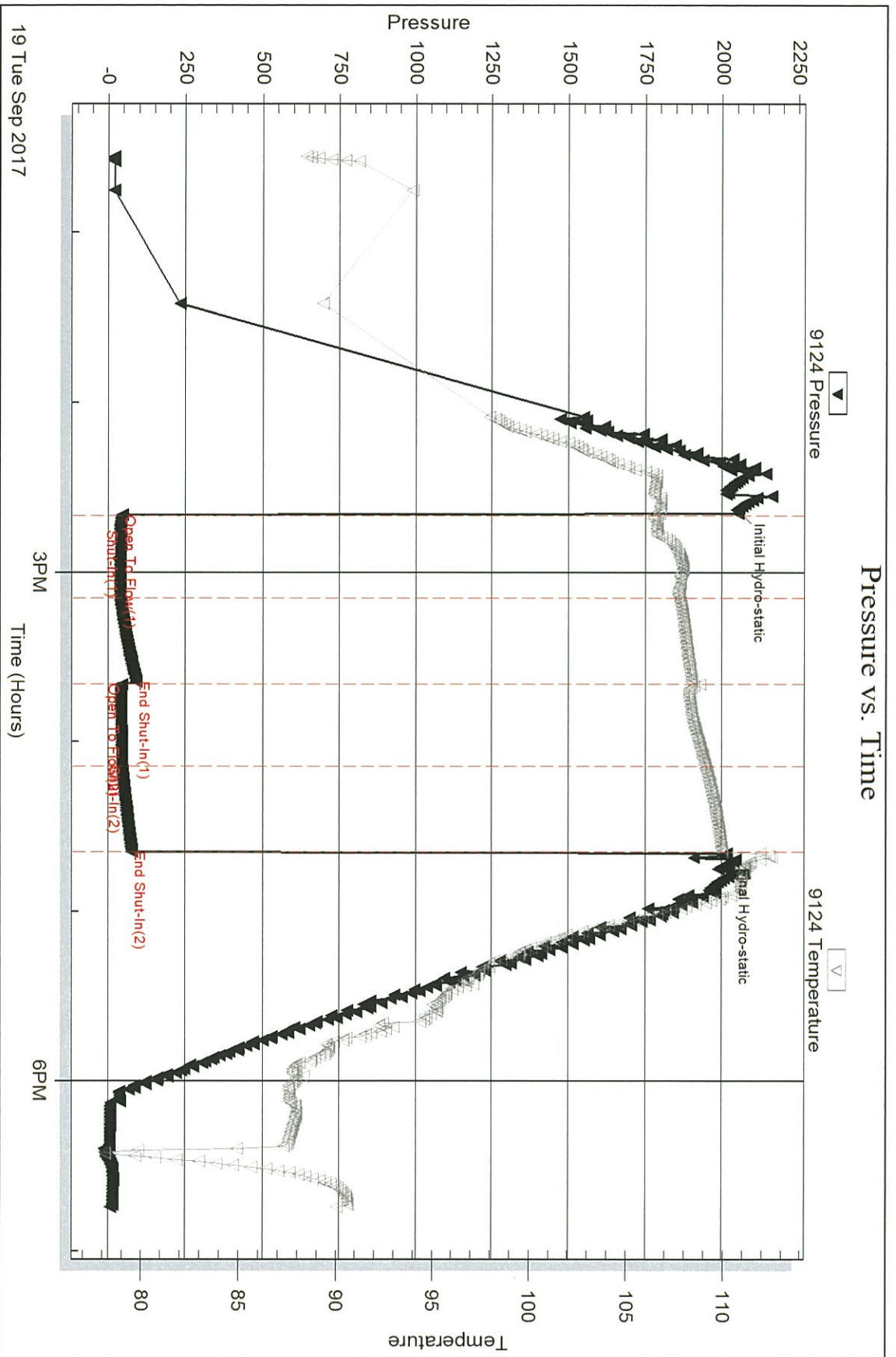
Inside

Palomino Petroleum, Inc.

H3S #1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63596

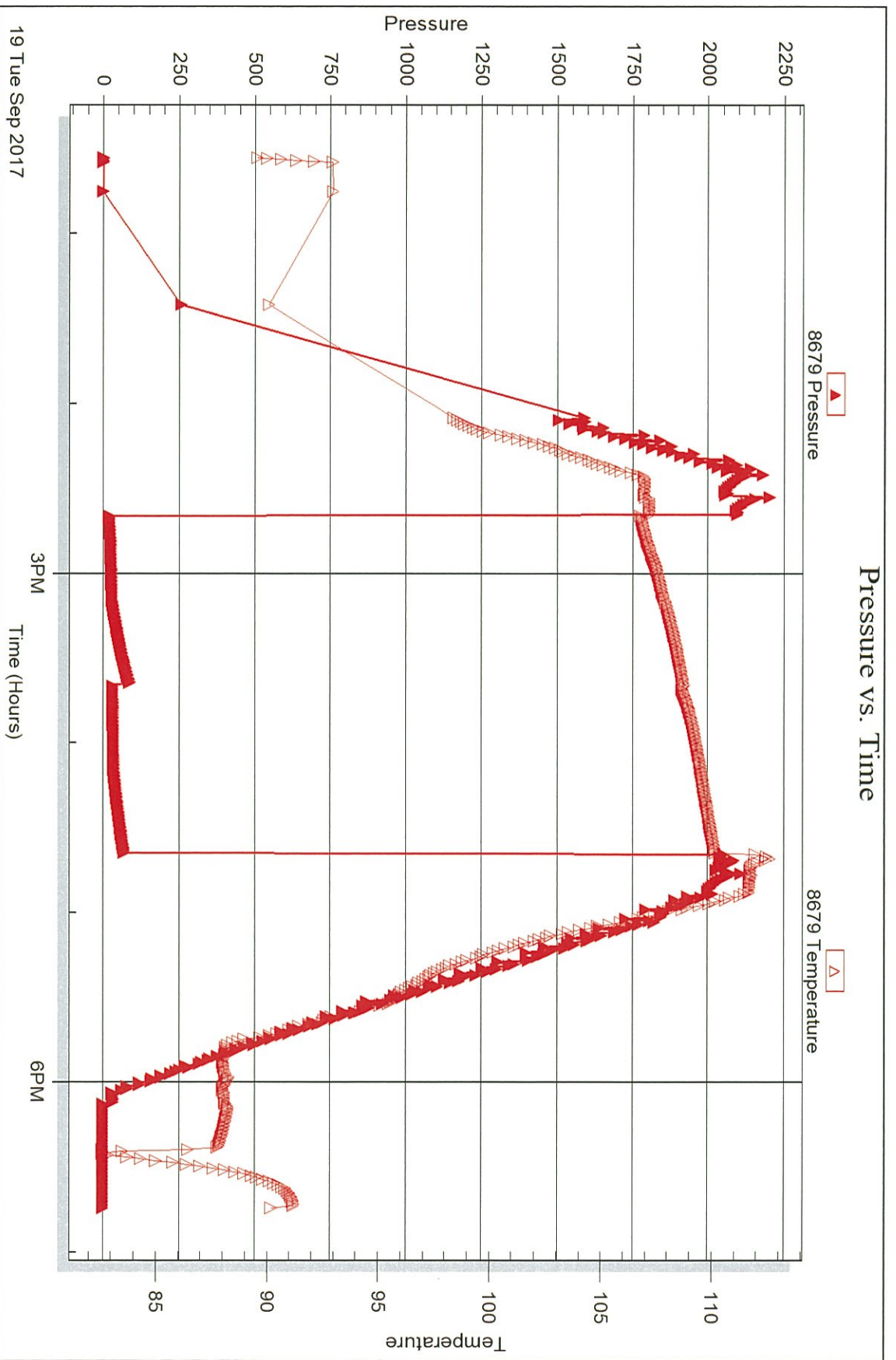
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Serial #: 8679

Outside Palonino Petroleum, Inc.

H3S #1

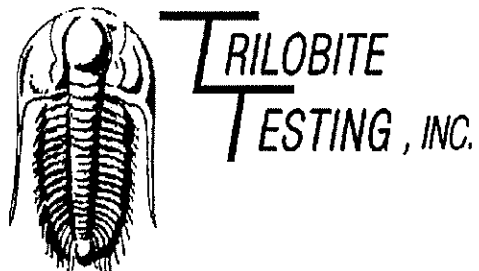
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63596

Printed: 2017.09.25 @ 15:15:34



DRILL STEM TEST REPORT

Prepared For: **Palonino Petroleum, Inc.**

4924 SE 84th Street
Newton, KS 67114

ATTN: Klee Watchous

H3S #1

27-19S-22W Ness,KS

Start Date: 2017.09.20 @ 04:40:00

End Date: 2017.09.20 @ 11:03:50

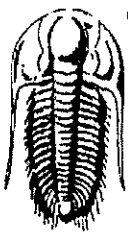
Job Ticket #: 63597 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.09.25 @ 15:14:49



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63597

DST#: 3

ATTN: Klee Watchous

Test Start: 2017.09.20 @ 04:40:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:55:00

Time Test Ended: 11:03:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 4276.00 ft (KB) To 4374.00 ft (KB) (TVD)

Reference Elevations: 2245.00 ft (KB)

Total Depth: 4374.00 ft (KB) (TVD)

2237.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 9124 Inside

Press@RunDepth: 87.86 psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.20

End Date: 2017.09.20

Last Calib.: 2017.09.20

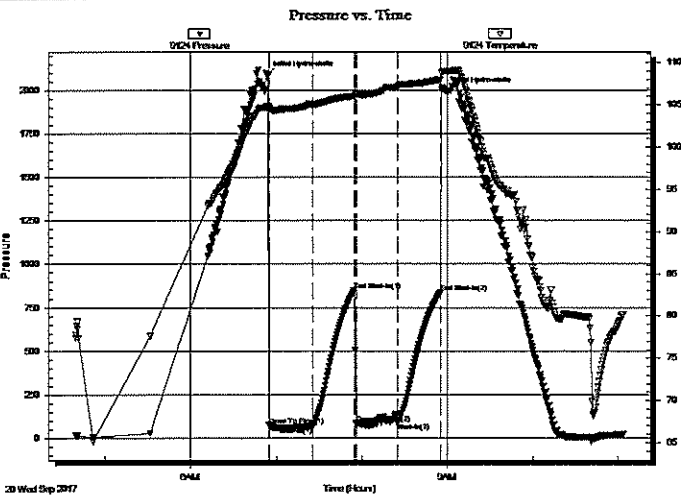
Start Time: 04:40:05

End Time: 11:03:50

Time On Btm: 2017.09.20 @ 06:53:30

Time Off Btm: 2017.09.20 @ 08:59:30

TEST COMMENT: IF - Weak blow building to 3"
FF - No blow building to surface blow



PRESSURE SUMMARY

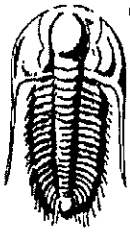
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2086.57	104.86	Initial Hydro-static
2	70.27	104.65	Open To Flow (1)
32	64.35	104.99	Shut-In(1)
61	847.72	106.07	End Shut-In(1)
62	80.83	106.24	Open To Flow (2)
92	87.86	107.19	Shut-In(2)
122	837.89	107.98	End Shut-In(2)
126	1993.06	109.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	OCM 8%O and 92%M	0.47

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
New ton, KS 67114

H3S #1

Job Ticket: 63597

DST#: 3

ATTN: Klee Watchous

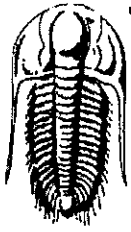
Test Start: 2017.09.20 @ 04:40:00

Tool Information

Drill Pipe:	Length: 4138.00 ft	Diameter: 3.80 inches	Volume: 58.05 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.64 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4276.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	126.00 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			4249.00	
Shut In Tool	5.00			4254.00	
Hydraulic tool	5.00			4259.00	
Jars	5.00			4264.00	
Safety Joint	3.00			4267.00	
Packer	4.00			4271.00	28.00 Bottom Of Top Packer
Packer	5.00			4276.00	
Stubb	1.00			4277.00	
Recorder	0.00	8679	Outside	4277.00	
Recorder	0.00	9124	Inside	4277.00	
Perforations	25.00			4302.00	
Change Over Sub	0.50			4302.50	
Blank Spacing	62.50			4365.00	
Change Over Sub	1.00			4366.00	
Perforations	3.00			4369.00	
Bullnose	5.00			4374.00	98.00 Bottom Packers & Anchor
Total Tool Length:	126.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63597

DST#: 3

ATTN: Klee Watchous

Test Start: 2017.09.20 @ 04:40:00

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	OCM 8%O and 92%M	0.467

Total Length: 95.00 ft Total Volume: 0.467 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

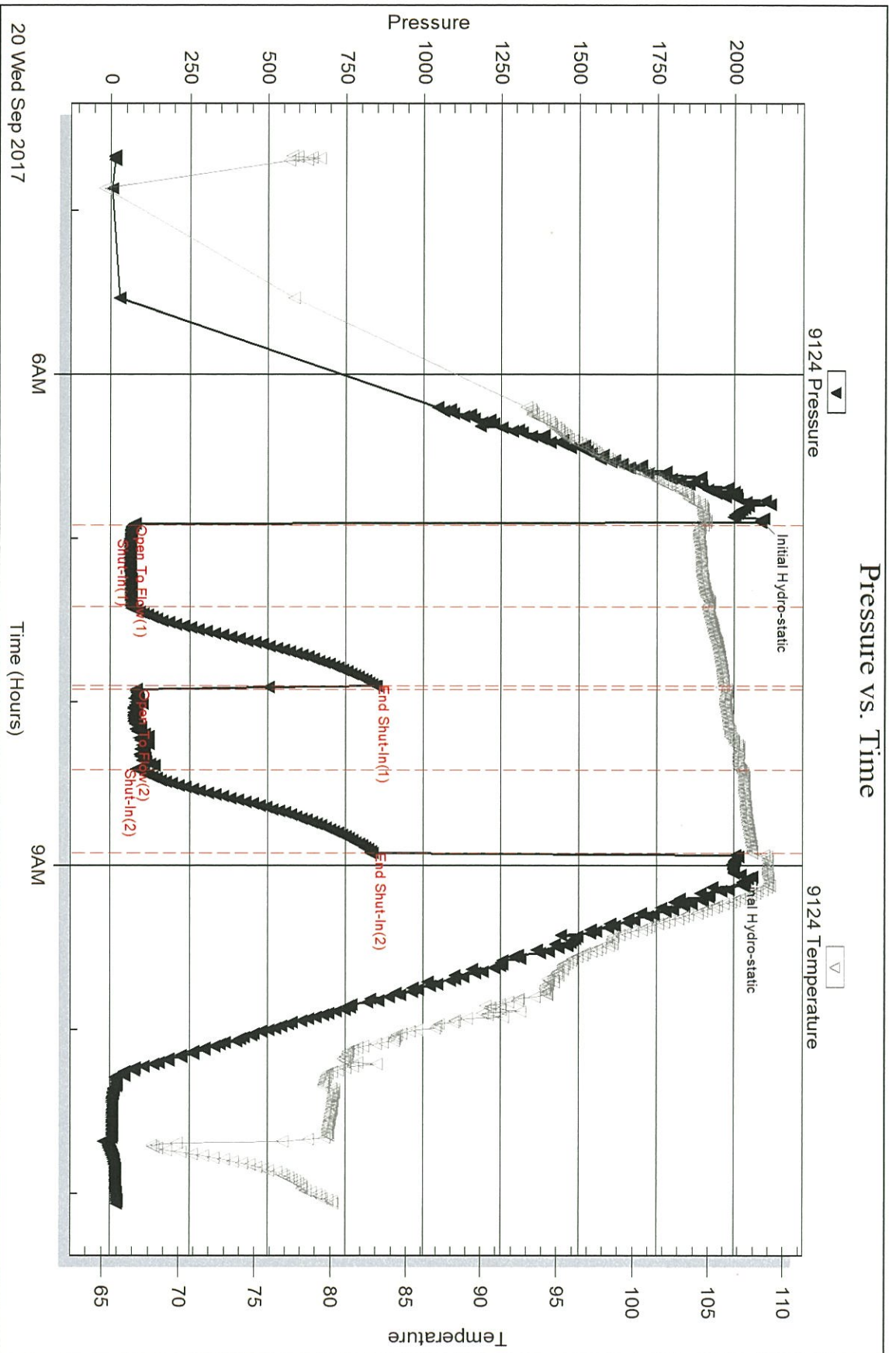
Serial #: 9124

Inside

Palonino Petroleum, Inc.

H3S #1

DST Test Number: 3



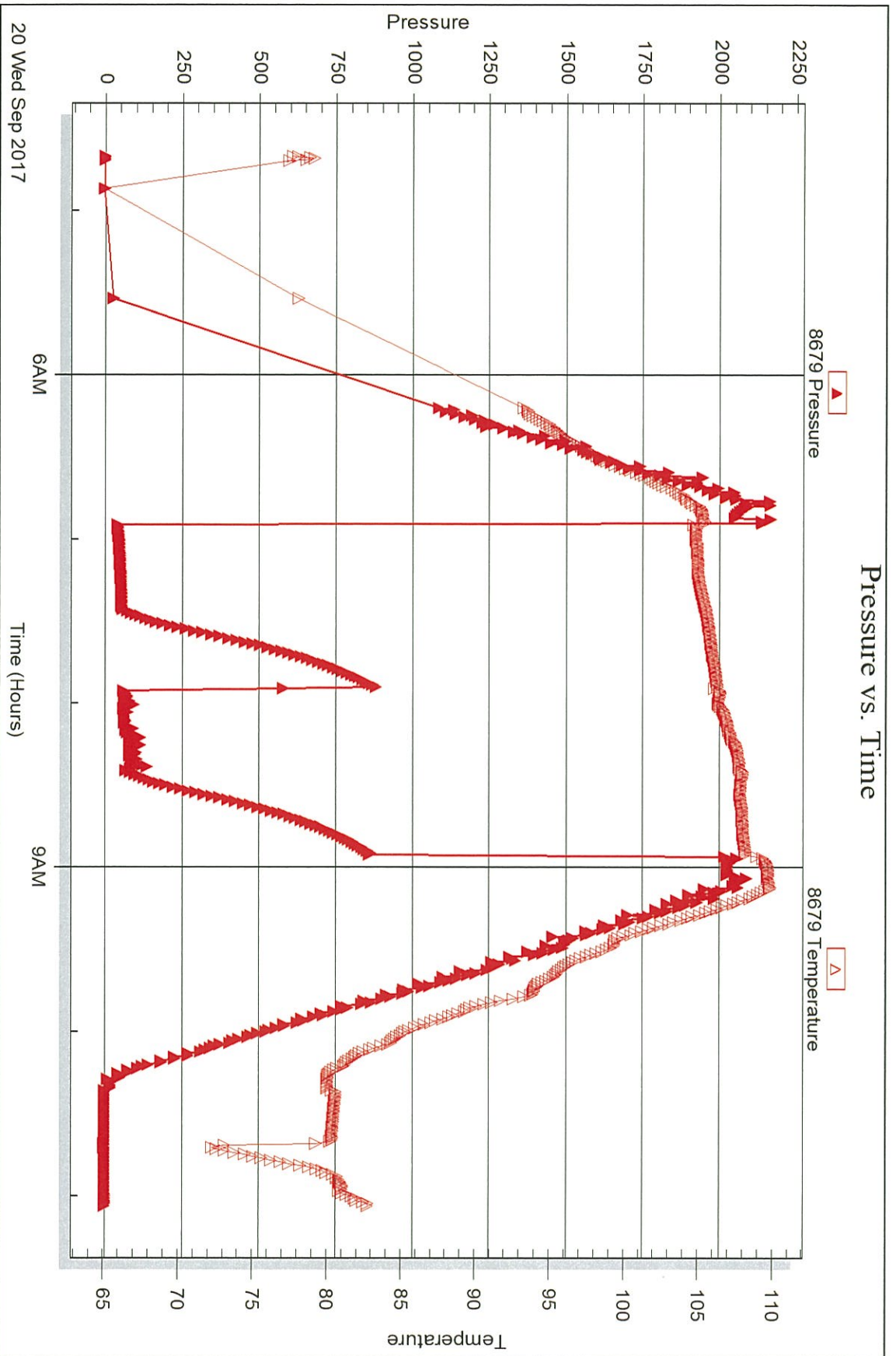
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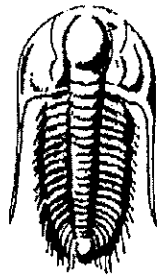
Outside

Palomino Petroleum, Inc.

H3S #1

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Palonino Petroleum, Inc.**

4924 SE 84th Street
Newton, KS 67114

ATTN: Klee Watchous

H3S #1

27-19S-22W Ness,KS

Start Date: 2017.09.20 @ 19:13:00

End Date: 2017.09.21 @ 01:29:50

Job Ticket #: 63598 DST #: 4

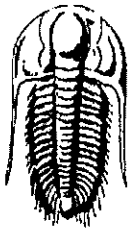
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.09.25 @ 15:14:17

Palonino Petroleum, Inc. 27-19S-22W Ness,KS H3S #1 DST # 4 Mississippian 2017.09.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63598

DST#: 4

ATTN: Klee Watchous

Test Start: 2017.09.20 @ 19:13:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:16:20

Time Test Ended: 01:29:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: **4276.00 ft (KB) To 4382.00 ft (KB) (TVD)**

Reference Elevations: 2245.00 ft (KB)

Total Depth: 4382.00 ft (KB) (TVD)

2237.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 9124 Inside

Press@RunDepth: 87.04 psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.20 End Date: 2017.09.21

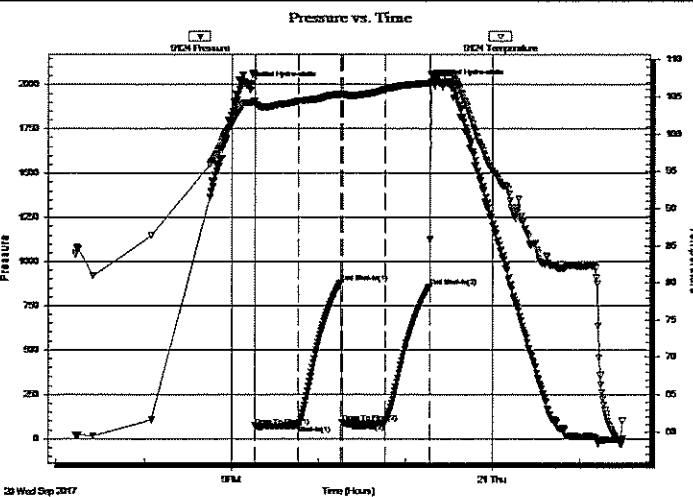
Last Calib.: 2017.09.20

Start Time: 19:13:05 End Time: 01:29:50

Time On Btm: 2017.09.20 @ 21:12:30

Time Off Btm: 2017.09.20 @ 23:22:40

TEST COMMENT: IF - Weak blow building to 4"
FF - No blow building to surface blow during final flow period.



PRESSURE SUMMARY

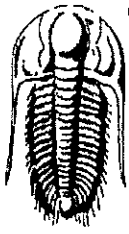
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1995.21	104.23	Initial Hydro-static
4	72.19	103.94	Open To Flow (1)
34	74.29	104.45	Shut-In(1)
63	879.94	105.35	End Shut-In(1)
64	90.25	105.33	Open To Flow (2)
94	87.04	106.03	Shut-In(2)
124	856.99	106.85	End Shut-In(2)
131	2007.66	108.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	SOCM 2%O & 98%M	0.66
1.00	CO 100%O	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63598

DST#: 4

ATTN: Klee Watchous

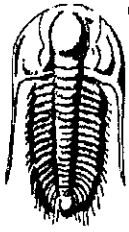
Test Start: 2017.09.20 @ 19:13:00

Tool Information

Drill Pipe:	Length: 4138.00 ft	Diameter: 3.80 inches	Volume: 58.05 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.64 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4276.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	106.00 ft			
Tool Length:	134.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4249.00	
Shut In Tool	5.00			4254.00	
Hydraulic tool	5.00			4259.00	
Jars	5.00			4264.00	
Safety Joint	3.00			4267.00	
Packer	4.00			4271.00	28.00 Bottom Of Top Packer
Packer	5.00			4276.00	
Stubb	1.00			4277.00	
Recorder	0.00	8679	Outside	4277.00	
Recorder	0.00	9124	Inside	4277.00	
Perforations	32.00			4309.00	
Change Over Sub	0.50			4309.50	
Blank Spacing	62.50			4372.00	
Perforations	4.00			4376.00	
Change Over Sub	1.00			4377.00	
Bullnose	5.00			4382.00	106.00 Bottom Packers & Anchor
Total Tool Length:	134.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63598

DST#: 4

ATTN: Klee Watchous

Test Start: 2017.09.20 @ 19:13:00

Mud and Cushion Information

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

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	SOCM 2%O & 98%M	0.655
1.00	CO 100%O	0.014

Total Length: 125.00 ft Total Volume: 0.669 bbl

Num Fluid Samples: 0

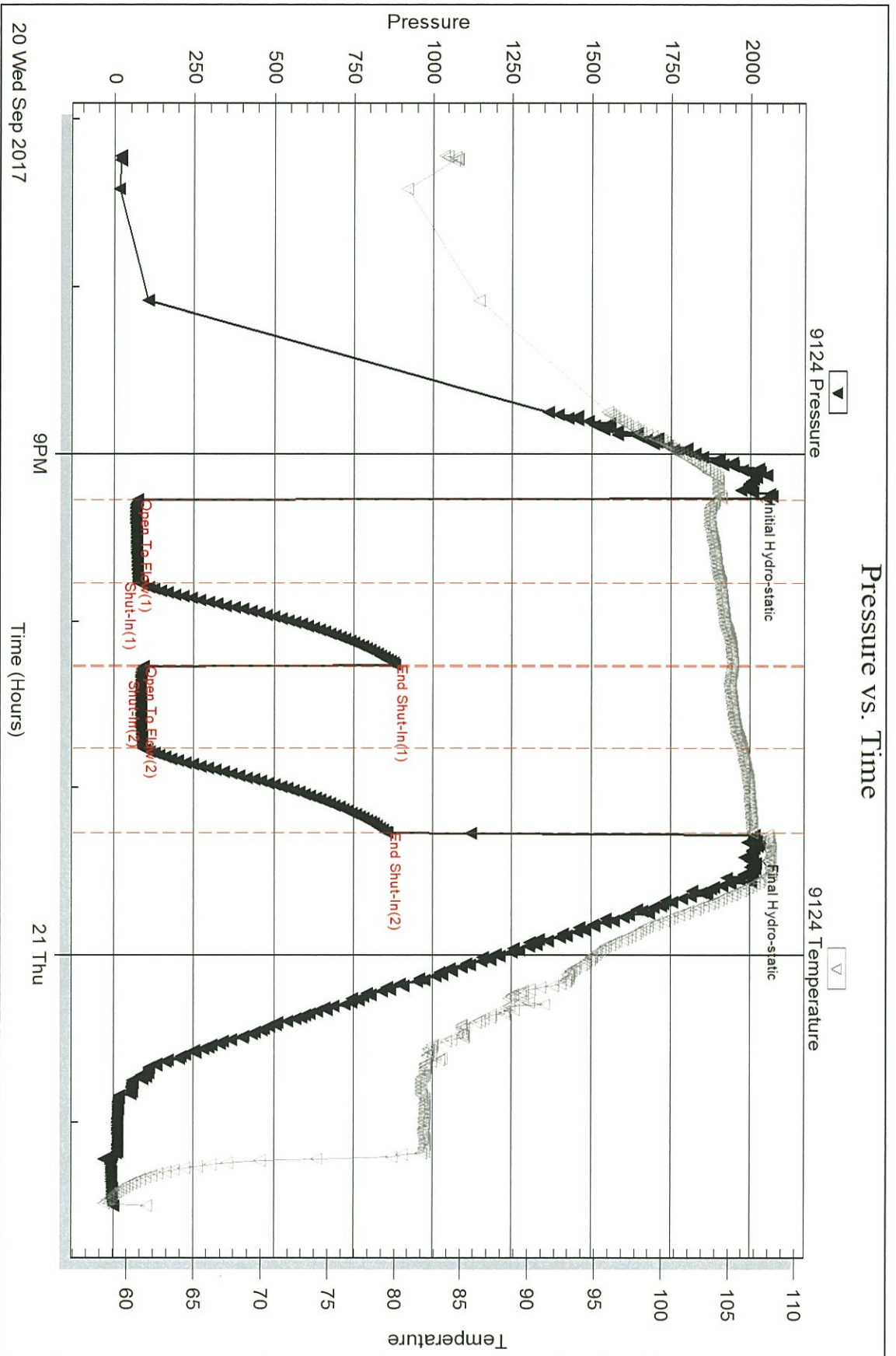
Num Gas Bombs: 0

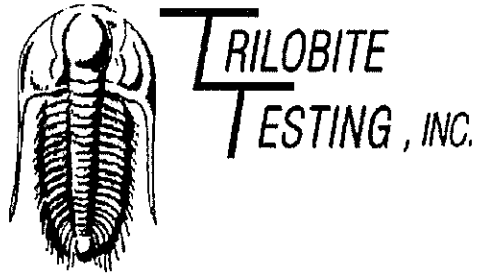
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Palonino Petroleum, Inc.**

4924 SE 84th Street
Newton, KS 67114

ATTN: Klee Watchous

H3S #1

27-19S-22W Ness,KS

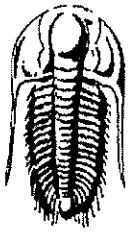
Start Date: 2017.09.21 @ 08:07:00

End Date: 2017.09.21 @ 14:10:30

Job Ticket #: 63599 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.09.25 @ 15:13:41



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
New ton, KS 67114

H3S #1

Job Ticket: 63599

DST#: 5

ATTN: Klee Watchous

Test Start: 2017.09.21 @ 08:07:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:03:00

Time Test Ended: 14:10:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: **4274.00 ft (KB) To 4387.00 ft (KB) (TVD)**

Reference Elevations: 2245.00 ft (KB)

Total Depth: 4387.00 ft (KB) (TVD)

2237.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: **9124**

Inside

Press@RunDepth: 82.76 psig @ 4275.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.21

End Date:

2017.09.21

Last Calib.: 2017.09.21

Start Time: 08:07:05

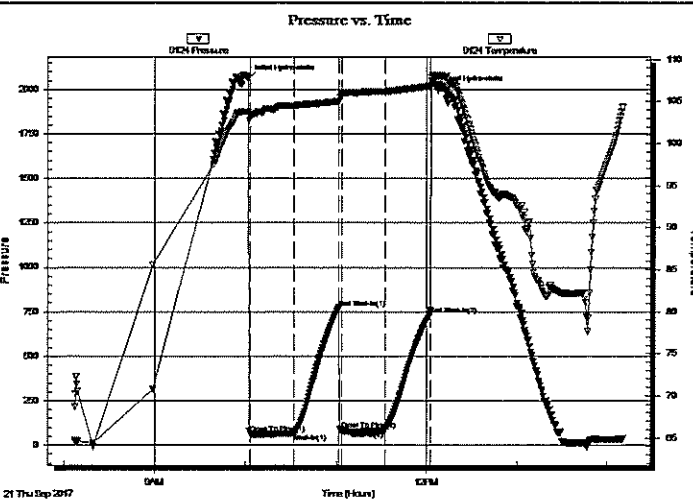
End Time:

14:10:29

Time On Btm: 2017.09.21 @ 10:02:00

Time Off Btm: 2017.09.21 @ 12:07:40

TEST COMMENT: IF - Weak blow building to 2 1/2"
FF - No blow building to 1/4"



PRESSURE SUMMARY

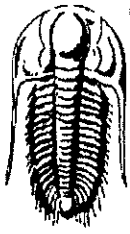
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2059.13	103.75	Initial Hydro-static
1	64.89	103.31	Open To Flow (1)
31	66.53	104.47	Shut-In(1)
60	772.53	105.02	End Shut-In(1)
62	85.30	105.89	Open To Flow (2)
90	82.76	106.20	Shut-In(2)
121	734.09	106.83	End Shut-In(2)
126	1996.48	108.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	Mud w / trace of oil 100%M	0.54

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
New ton, KS 67114

H3S #1

Job Ticket: 63599

DST#: 5

ATTN: Klee Watchous

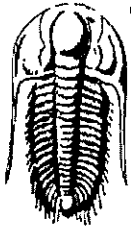
Test Start: 2017.09.21 @ 08:07:00

Tool Information

Drill Pipe:	Length: 4138.00 ft	Diameter: 3.80 inches	Volume: 58.05 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 27000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 58.64 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4274.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	113.00 ft			
Tool Length:	141.00 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			4247.00	
Shut In Tool	5.00			4252.00	
Hydraulic tool	5.00			4257.00	
Jars	5.00			4262.00	
Safety Joint	3.00			4265.00	
Packer	4.00			4269.00	28.00 Bottom Of Top Packer
Packer	5.00			4274.00	
Stubb	1.00			4275.00	
Recorder	0.00	8679	Outside	4275.00	
Recorder	0.00	9124	Inside	4275.00	
Perforations	12.00			4287.00	
Change Over Sub	0.50			4287.50	
Blank Spacing	93.50			4381.00	
Change Over Sub	1.00			4382.00	
Bullnose	5.00			4387.00	113.00 Bottom Packers & Anchor
Total Tool Length:	141.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palonino Petroleum, Inc.

27-19S-22W Ness,KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63599

DST#: 5

ATTN: Klee Watchous

Test Start: 2017.09.21 @ 08:07:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
110.00	Mud w / trace of oil 100%M	0.541

Total Length: 110.00 ft Total Volume: 0.541 bbl

Num Fluid Samples: 0

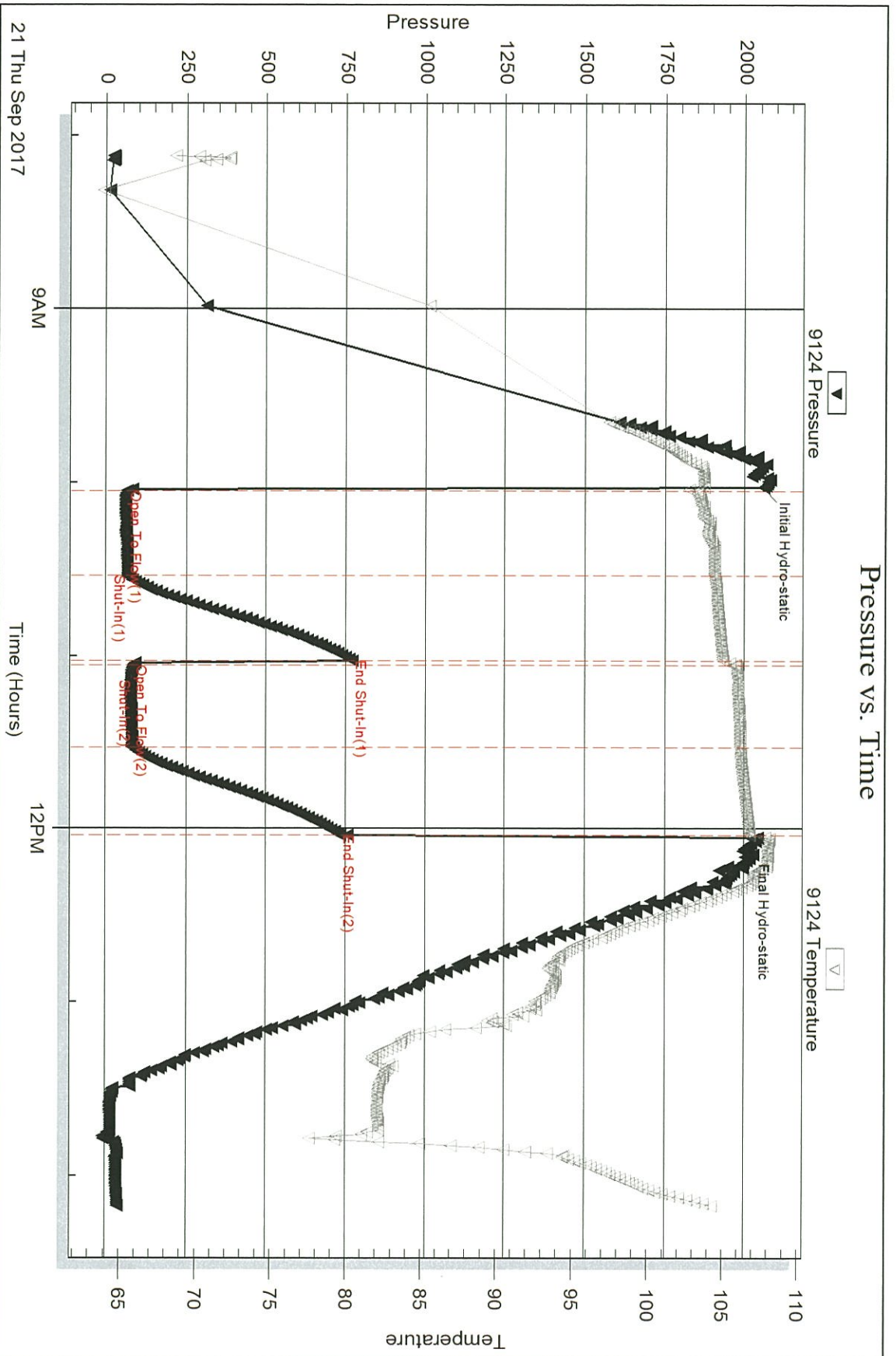
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



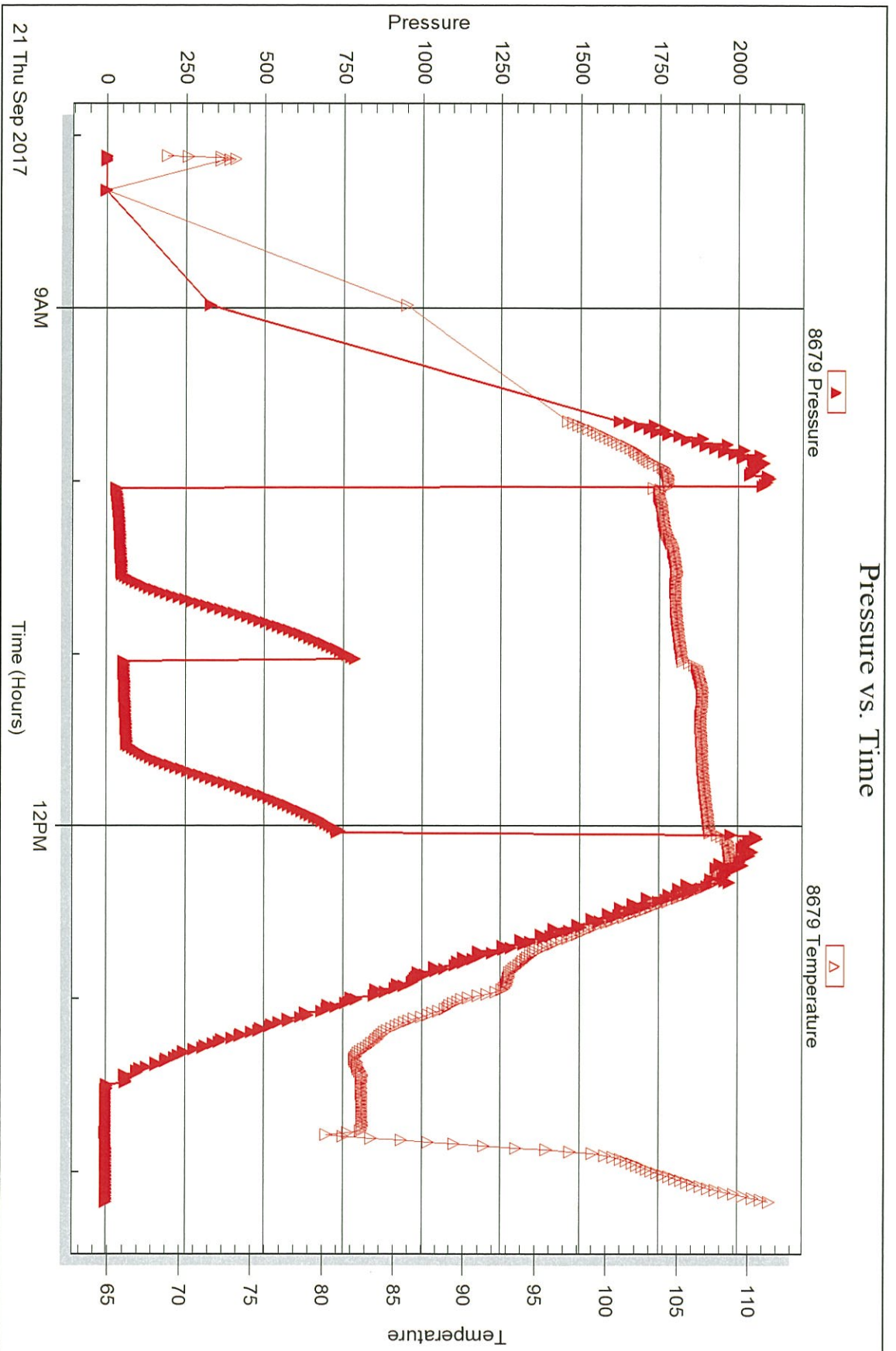
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Outside

Palonino Petroleum, Inc.

H3S #1

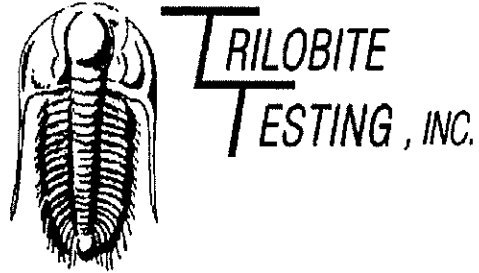
DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 63599

Printed: 2017.09.25 @ 15:13:42



DRILL STEM TEST REPORT

Prepared For: **Palonino Petroleum, Inc.**

4924 SE 84th Street
Newton, KS 67114

ATTN: Klee Watchous

H3S #1

27-19S-22W Ness,KS

Start Date: 2017.09.22 @ 10:04:00

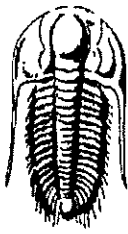
End Date: 2017.09.22 @ 15:42:20

Job Ticket #: 63600 DST #: 6

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.09.25 @ 15:13:04

Palonino Petroleum, Inc. 27-19S-22W Ness,KS H3S #1 DST # 6 Mississippiplan 2017.09.22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
New ton, KS 67114

H3S #1

Job Ticket: 63600

DST#: 6

ATTN: Klee Watchous

Test Start: 2017.09.22 @ 10:04:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:38:10

Time Test Ended: 15:42:20

Test Type: Conventional Straddle (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: **4385.00 ft (KB) To 4412.00 ft (KB) (TVD)**

Reference Elevations: 2245.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

2237.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 9124 Inside

Press@RunDepth: 68.95 psig @ 4386.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.22 End Date: 2017.09.22

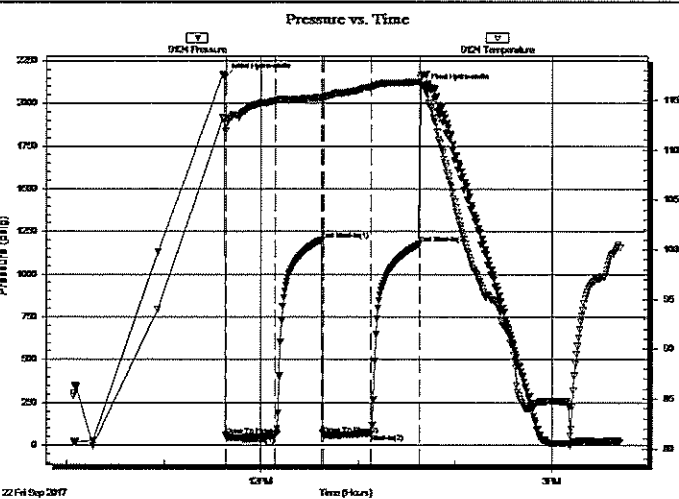
Last Calib.: 2017.09.22

Start Time: 10:04:05 End Time: 15:42:20

Time On Btm: 2017.09.22 @ 11:37:30

Time Off Btm: 2017.09.22 @ 13:40:30

TEST COMMENT: IF - Weak blow building to 3/4"
FF - No blow



PRESSURE SUMMARY

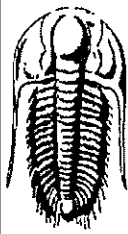
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.35	113.16	Initial Hydro-static
1	55.03	112.55	Open To Flow (1)
31	52.37	114.91	Shut-In(1)
61	1200.60	115.27	End Shut-In(1)
62	62.87	115.31	Open To Flow (2)
91	68.95	116.29	Shut-In(2)
120	1176.20	116.85	End Shut-In(2)
123	2088.76	117.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
70.00	Drilling mud 100%M	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palonino Petroleum, Inc.

27-19S-22W Ness,KS

4924 SE 84th Street
Newton, KS 67114

H3S #1

Job Ticket: 63600

DST#: 6

ATTN: Klee Watchous

Test Start: 2017.09.22 @ 10:04:00

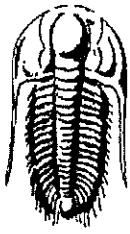
Tool Information

Drill Pipe:	Length: 4263.00 ft	Diameter: 3.80 inches	Volume: 59.80 bbl	Tool Weight: 3200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 59000.00 lb
			<u>Total Volume: 60.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4385.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	4412.50 ft			
Interval between Packers:	27.50 ft			
Tool Length:	153.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4358.00	
Shut In Tool	5.00			4363.00	
Hydraulic tool	5.00			4368.00	
Jars	5.00			4373.00	
Safety Joint	3.00			4376.00	
Packer	4.00			4380.00	28.00 Bottom Of Top Packer
Packer	5.00			4385.00	
Stubb	1.00			4386.00	
Recorder	0.00	8679	Outside	4386.00	
Recorder	0.00	9124	Inside	4386.00	
Perforations	22.00			4408.00	
Blank Off Sub	0.50			4408.50	
T.C.	4.00			4412.50	27.50 Tool Interval
Packer	0.00			4412.50	
Stubb	1.00			4413.50	
Recorder	0.00	8846	Below	4413.50	
Change Over Sub	0.50			4414.00	
Blank Spacing	93.50			4507.50	
Change Over Sub	0.50			4508.00	
Bullnose	2.00			4510.00	97.50 Bottom Packers & Anchor

Total Tool Length: 153.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palonino Petroleum, Inc.

27-19S-22W Ness, KS

4924 SE 84th Street
New ton, KS 67114

H3S #1

Job Ticket: 63600

DST#: 6

ATTN: Klee Watchous

Test Start: 2017.09.22 @ 10:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 11.18 in³

Resistivity: ohm.m

Salinity: 9800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drilling mud 100%M	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

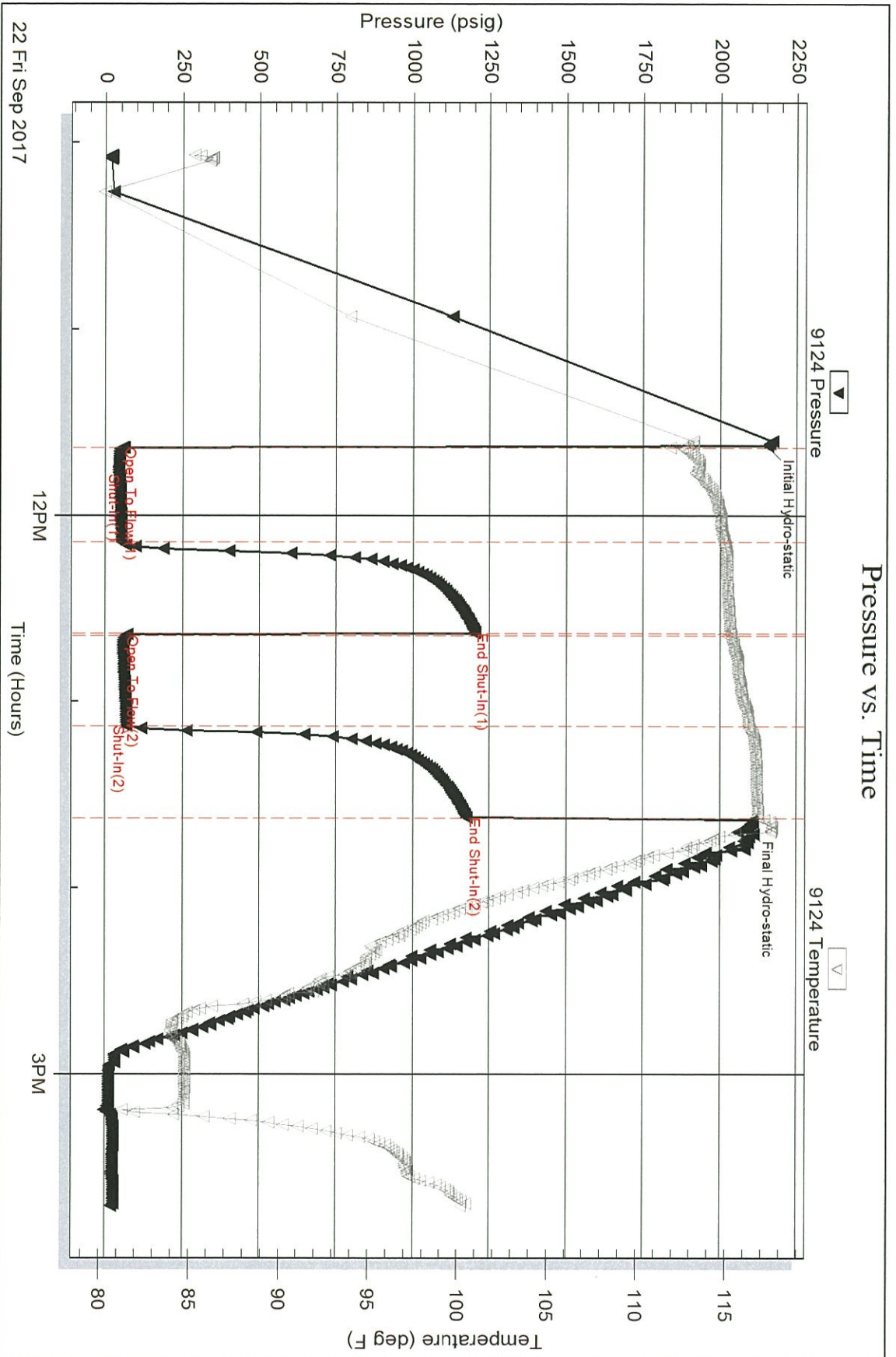
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



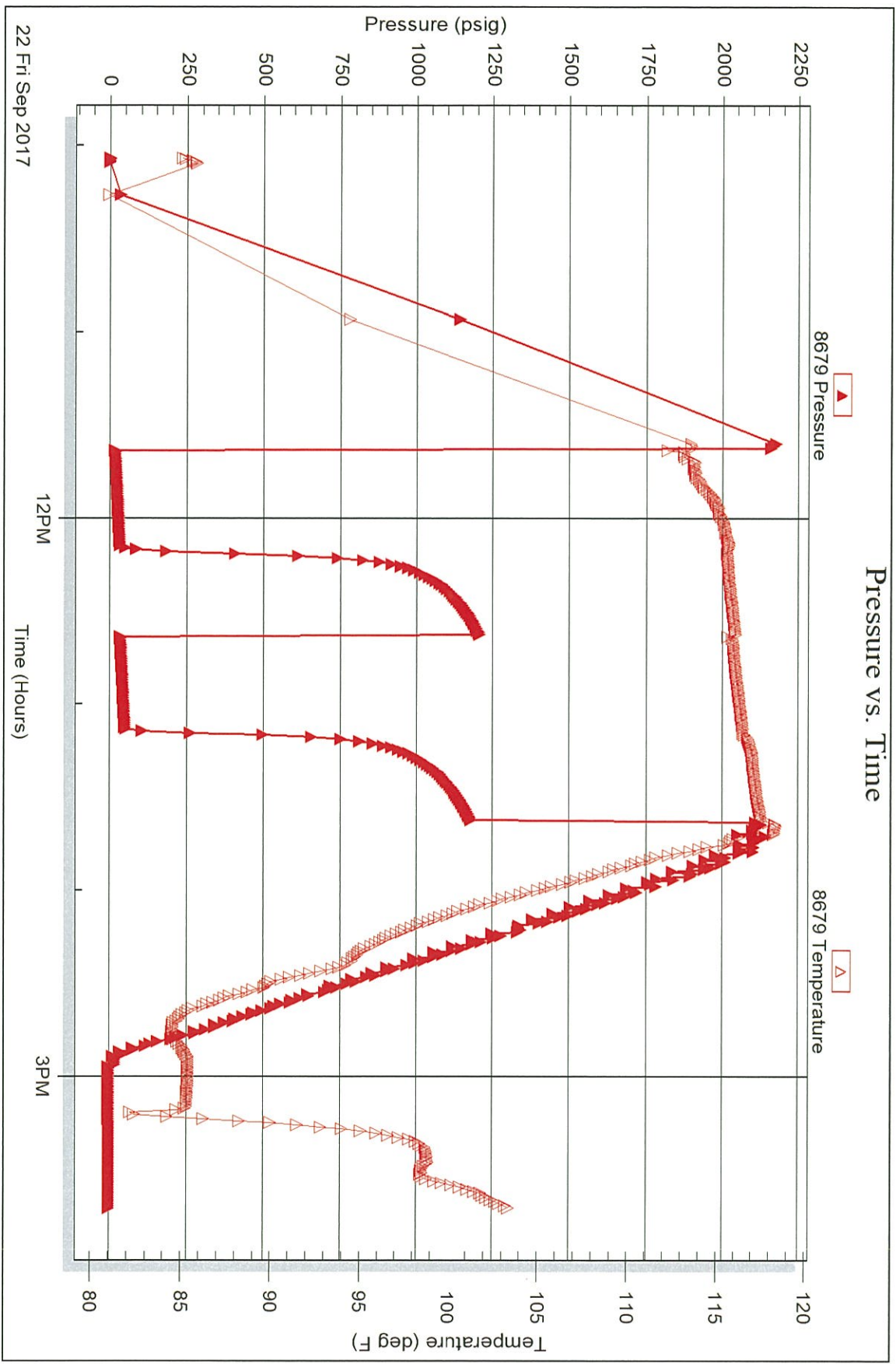
Serial #: 8679

Outside

Palonino Petroleum, Inc.

H3S #1

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 63600

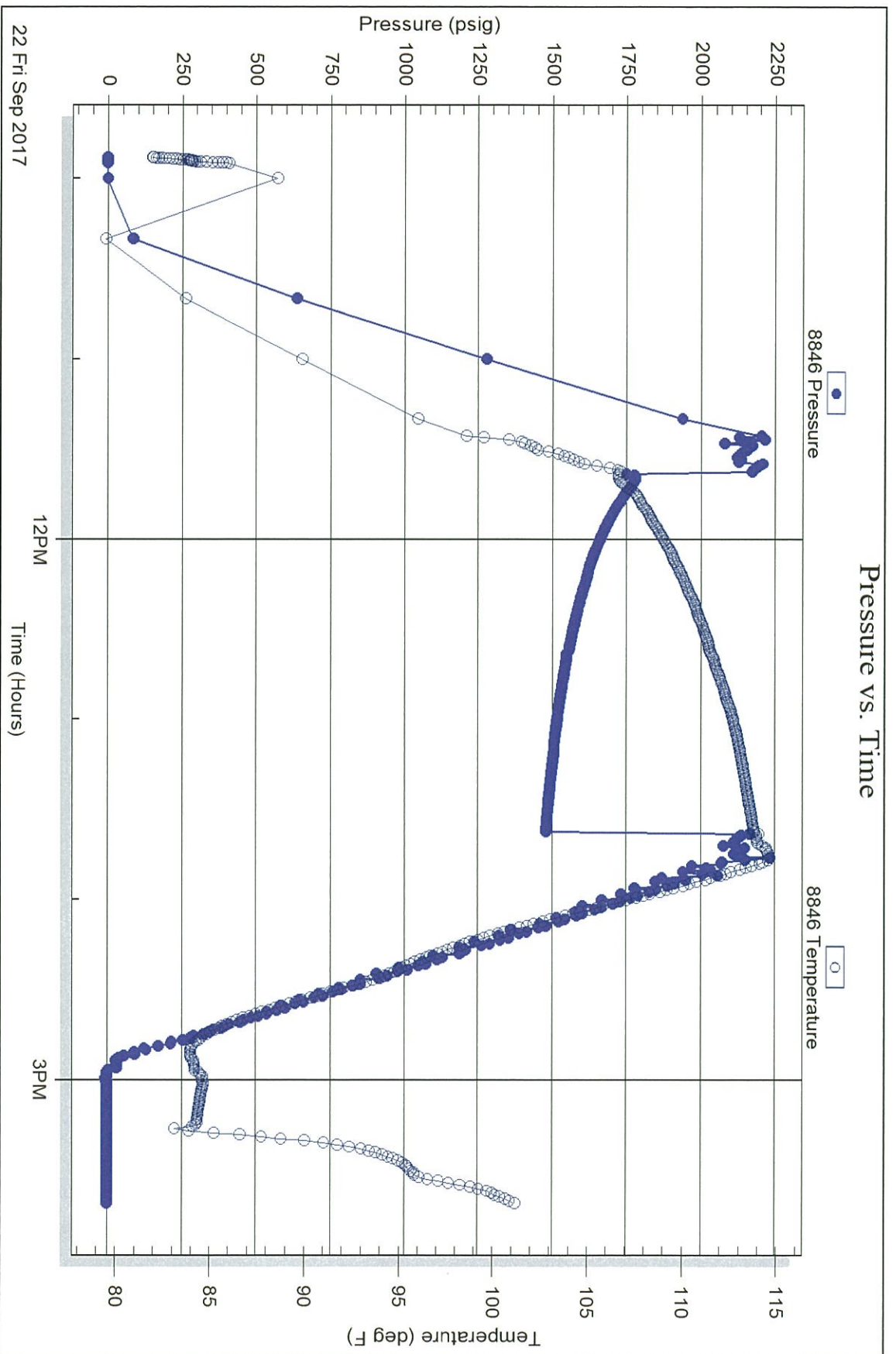
Printed: 2017.09.25 @ 15:13:08

Serial #: 8846

Below (Stratfield) Petroleum, Inc.

H3S #1

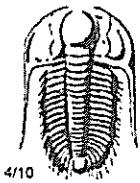
DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 63600

Printed: 2017.09.25 @ 15:13:08



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63595

Well Name & No. H35 #1 Test No. 1 Date 9-18-17
 Company Palomino Petroleum, Inc Elevation 2245 KB 2237 GL
 Address 4924 SE 84th Street Newton, Kc. 67114
 Co. Rep / Geo. Ryan Seib/Klee Watchous Rig ww Drilling #12
 Location: Sec. 27 Twp. 19 S Rge. 22 W Co. Ness State KS

Interval Tested 4227-4296 Zone Tested Cherokee Sand
 Anchor Length 69 Drill Pipe Run 4167 Mud Wt. 9.0
 Top Packer Depth 4222 Drill Collars Run 119 Vis 49
 Bottom Packer Depth 4227 Wt. Pipe Run 0 WL 9.6
 Total Depth 4296 Chlorides 8200 ppm System LCM 2
 Blow Description IF - weak blow building to 1/4 inch FFP
FF - weak blow building to 1/4 inch FFP

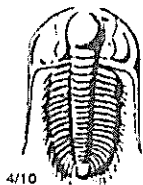
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Drilling mud with Trice^{oil}</u>		<u>TR</u>		<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 115 Gravity 1150 API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 2005 Test 1150 T-On Location 1830
 (B) First Initial Flow 38 Jars 250 T-Started 2027
 (C) First Final Flow 34 Safety Joint 75 T-Open 2232
 (D) Initial Shut-In 78 Circ Sub _____ T-Pulled 0042
 (E) Second Initial Flow 34 Hourly Standby _____ T-Out 0245
 (F) Second Final Flow 36 Mileage 106rt RT 350 Comments _____
 (G) Final Shut-In 68 Sampler 79.50 _____
 (H) Final Hydrostatic 1984 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1554.50

Initial Open 30
 Initial Shut-In 40
 Final Flow 30
 Final Shut-In 30

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1554.50
 MP/DST Disc't _____

Approved By [Signature] Our Representative Jimmy Dickson
 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. 63596

Well Name & No. H35 #1 Test No. 2 Date 9-19-17
 Company Palomino Petroleum, Inc. Elevation 2245 KB 2237 GL
 Address 4924 SE 84th St. Newton, KS. 67114
 Co. Rep / Geo. Klee Watchous / Ryan Seib Rig WW Drilling #12
 Location: Sec. 27 Twp. 19S Rge. 22W Co. Ness State KS

Interval Tested 4276-4365 Zone Tested Mississippian
 Anchor Length 89 Drill Pipe Run 4138 Mud Wt. 9.1
 Top Packer Depth 4271 Drill Collars Run 119 Vis 54
 Bottom Packer Depth 4276 Wt. Pipe Run 0 WL 10.8
 Total Depth 4365 Chlorides 8400 ppm System LCM
 Blow Description IF - weak blow building to 1/2 inch IFP
FF - weak surface blow throughout FFA

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>Oil + slight water cut mud</u>		<u>5</u>	<u>2</u>	<u>93</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

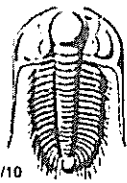
Rec Total 25 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2052 Test 1150 T-On Location 1130
 (B) First Initial Flow 45 Jars 250 T-Started 1233
 (C) First Final Flow 39 Safety Joint 75 T-Open 1439
 (D) Initial Shut-In 91 Circ Sub _____ T-Pulled 1639
 (E) Second Initial Flow 44 Hourly Standby _____ T-Out 1830
 (F) Second Final Flow 45 Mileage 79.50 RT 30 Comments _____
 (G) Final Shut-In 76 Sampler _____
 (H) Final Hydrostatic 2004 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1554.50
 MP/DST Disc't _____

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

Sub Total 1554.50

Approved By [Signature] Our Representative Jimmy Roberts
 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. 63597

Well Name & No. H35 #1 Test No. 3 Date 9-20-17
 Company Palomino Petroleum, Inc. Elevation 2245 KB 2237 GL
 Address 4924 SE 84th Street, Newton, KS. 67114
 Co. Rep / Geo. Klee Watchous / Ryan Seib Rig ww Drilling #12
 Location: Sec. 27 Twp. 19S Rge. 22W Co. Ness State KS

Interval Tested 4276 - 4317 Zone Tested Mississippian
 Anchor Length 98' Drill Pipe Run 4138 Mud Wt. 9.0
 Top Packer Depth 4271 Drill Collars Run 119 Vis 50
 Bottom Packer Depth 4276 Wt. Pipe Run 0 WL 10.8
 Total Depth 4394 Chlorides 8800 ppm System LCM
 Blow Description IF- weak blow building to 3 inches IFP
Slide 4 foot when tool opened
FF- No blow building to surface blow FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>oil cut mud</u>	<u>8</u>	<u>8</u>	<u>92</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	Feet of	%gas	%oil	%water	%mud

Rec Total 95 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

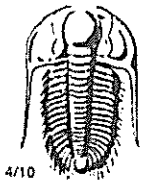
(A) Initial Hydrostatic 2087 Test 1150 T-On Location 0345
 (B) First Initial Flow 70 Jars 250 T-Started 0440
 (C) First Final Flow 64 Safety Joint 75 T-Open 0655
 (D) Initial Shut-In 848 Circ Sub _____ T-Pulled 0855
 (E) Second Initial Flow 81 Hourly Standby _____ T-Out 1100
 (F) Second Final Flow 88 Mileage 79.50 RT 30 Comments _____
 (G) Final Shut-In 838 Sampler _____
 (H) Final Hydrostatic 1993 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1554.50

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

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1554.50
 MP/DST Disc't _____

Approved By _____ Our Representative Jimmy [Signature]

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. 63598

Well Name & No. H35 #1 Test No. 4 Date 9-20-17
 Company Palomino Petroleum, Inc. Elevation 2245 KB 2237 GL
 Address 4924 SE 84th Street, Newton, Ks. 67114
 Co. Rep / Geo. Klee Watchous / Ryan Seib Rig Ww Drilling #12
 Location: Sec. 27 Twp. 19S Rge. 22W Co. Ness State KS

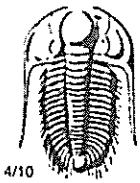
Interval Tested 4276 - 4382 Zone Tested Mississippian
 Anchor Length 106 Drill Pipe Run 4138 Mud Wt. _____
 Top Packer Depth 4271 Drill Collars Run 119 Vis _____
 Bottom Packer Depth 4276 Wt. Pipe Run 0 WL _____
 Total Depth 4382 Chlorides 0 ppm System LCM _____
 Blow Description IF- weak blow building to 4 inches IFP
Tool slid 6 foot upon opening
FF- No blow building to surface blow FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>Oil cut mud</u>	<u>2</u>		<u>98</u>	
<u>1</u>	<u>Clean Oil</u>	<u>100</u>			
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 125 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1995</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1800</u>
(B) First Initial Flow <u>72</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1913</u>
(C) First Final Flow <u>74</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2116</u>
(D) Initial Shut-In <u>880</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2316</u>
(E) Second Initial Flow <u>90</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0130</u>
(F) Second Final Flow <u>87</u>	<input checked="" type="checkbox"/> Mileage <u>79.50 RT 30</u>	Comments _____
(G) Final Shut-In <u>857</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2008</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1554.50</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1554.50</u>	

Approved By [Signature] Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63599

Well Name & No. H 35 #1 Test No. 5 Date 9-21-17
 Company Palomine Petroleum, Inc. Elevation 2245 KB 2237 GL
 Address 4924 SE 84th Street, Newton, KS. 67114
 Co. Rep / Geo. Klee Watchous / Ryan Seih Rig W W Drilling #12
 Location: Sec. 27 Twp. 19 S Rge. 22 W Co. Ness State KS

Interval Tested 4274-4387 Zone Tested Mississippian
 Anchor Length 113 Drill Pipe Run 4138 Mud Wt. 9.0
 Top Packer Depth 4269 Drill Collars Run 119 Vis SI
 Bottom Packer Depth 4274 Wt. Pipe Run 0 WL 12.0
 Total Depth 4387 Chlorides 9400 ppm System LCM
 Blow Description IF - weak blow building to 2 1/2 inches IFP
FF - No blow building to 1/4 inch blow FFP

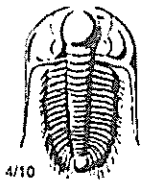
Rec	Feet of	%gas	%oil	%water	%mud
<u>110</u>	<u>Trace oil cut Mud</u>	<u>TR</u>		<u>106</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 110 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2059 Test 1150 T-On Location 0700
 (B) First Initial Flow 65 Jars 250 T-Started 0807
 (C) First Final Flow 67 Safety Joint 75 T-Open 1002
 (D) Initial Shut-In 773 Circ Sub _____ T-Pulled 1302
 (E) Second Initial Flow 85 Hourly Standby _____ T-Out 1400
 (F) Second Final Flow 83 Mileage 79.50 RT 30 Comments _____
 (G) Final Shut-In 734 Sampler _____
 (H) Final Hydrostatic 1996 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Accessibility _____
 Sub Total 1554.50 Sub Total _____
 Total 1554.50 MP/DST Disc't _____

Approved By _____ Our Representative Jimmy Dickerts

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. 63600

Well Name & No. H3S #1 Test No. 6 Date 9-22-17
 Company Palomino Petroleum, Inc. Elevation 2245 KB 2237 GL
 Address 4924 SE 84th Street, Newton, KS 67114
 Co. Rep / Geo. Klee Watchous / Ryan Sieb Rig 426 Drilling #12
 Location: Sec. 27 Twp. 19 S Rge. 22 W Co. Ness State KS

Interval Tested 4385 - 4412 Zone Tested Mississippian
 Anchor Length 27 Drill Pipe Run 4263 Mud Wt. 9.3
 Top Packer Depth 4360 + 4385 Drill Collars Run 119 Vis 45
 Bottom Packer Depth 4412 Wt. Pipe Run 0 WL 11.2
 Total Depth 4510 Chlorides 9800 ppm System LCM
 Blow Description IF - weak blow building to 3/4 of an inch IFP
FF - No blow throughout FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>Drilling mud</u>			<u>100</u>	

Rec Total 70 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2154 Test 1150 T-On Location 0900
 (B) First Initial Flow 55 Jars 250 T-Started 0953 + 1004
 (C) First Final Flow 52 Safety Joint 75 T-Open 1138
 (D) Initial Shut-In 1201 Circ Sub _____ T-Pulled 1338
 (E) Second Initial Flow 63 Hourly Standby _____ T-Out 1530
 (F) Second Final Flow 69 Mileage 79.50 RT 30 Comments _____
 (G) Final Shut-In 1176 Sampler _____
 (H) Final Hydrostatic 2089 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 2154.50
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 2154.50

Approved By _____ Our Representative Jimmy Nichols

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.