



**CONSOLIDATED**  
Oil Well Services, LLC

REMIT TO  
Consolidated Oil Well Services, LLC  
Dept:970  
P.O.Box 4346  
Houston, TX 77210-4346



RECEIVED

OCT 08 2015

MAIN OFFICE

P.O.Box884  
Chanute, KS 66720  
620/431-9210, 1-800/467-8676  
Fax 620/431-0012

Invoice Invoice# 805974

Invoice Date: 10/05/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.  
4924 SE 84TH STREET K 9 W #2  
NEWTON KS 67114-8827  
USA

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	30.000	150.15
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	30.000	462.00
CC5800A	Class A Cement Sack	135.000	20.0000	30.000	1,890.00
CC5325	Calcium Chloride	300.000	1.0000	30.000	210.00
CC5965	Bentonite	250.000	0.3000	30.000	52.50
CC6075	Celloflake	50.000	2.0000	30.000	70.00

Subtotal 5,549.50  
Discounted Amount 1,664.85  
SubTotal After Discount 3,884.65  
Amount Due 5,803.50 If paid after 11/04/15

Tax: 177.80  
Total: 4,062.45





P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



RECEIVED

OCT 10 2015

# Invoice

DATE	INVOICE #
10/6/2015	28991

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Kaw	Marion	WW Drilling Rig #6	Oil	Development	5-1/2" LongString	Jason
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				150	Miles	5.00	750.00
579D	Pump Charge - Top To Bottom LongString				1	Job	1,700.00	1,700.00
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	300.00	300.00T
409-5	5 1/2" Turbolizer				8	Each	75.00	600.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
276	Flocele				75	Lb(s)	2.25	168.75T
290	D-Air				3	Gallon(s)	42.00	126.00T
330	Swift Multi-Density Standard (MIDCON II)				300	Sacks	15.75	4,725.00T
581D	Service Charge Cement				300	Sacks	1.50	450.00
583D	Drayage				2,240.61	Ton Miles	0.75	1,680.46
	Subtotal							11,900.21
	Sales Tax Marion County						8.00%	585.58

**We Appreciate Your Business!**

**Total**

\$12,485.79



CHARGE TO: PALOMINO PETROLEUM  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET 28991  
 PAGE 1 OF 2

SERVICE LOCATIONS  
 1. Ness City, KS  
 2.  
 3.  
 4. REFERRAL LOCATION

WELL/PROJECT NO. KAU #2  
 LEASE  
 COUNTY/PARISH MARION  
 STATE KS  
 CITY PEARBODY, KS  
 DATE 6 OCT 15  
 OWNER

TICKET TYPE  
 SERVICE  
 SALES  
 CONTRACTOR WWS DRILLING RIG #10  
 RIG NAME/NO.  
 SHIPPED VIA  
 DELIVERED TO

WELL TYPE DIL  
 WELL CATEGORY DEVELOPMENT  
 JOB PURPOSE 5 1/2" HOESTRING  
 WELL PERMIT NO.  
 WELL LOCATION 1E15 22E, N/W 15TD

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
375					MILEAGE #115	150	ML				5.00	750.00
579					PUMP CHARGE	1	JOB				1700.00	1700.00
403					CEMENT BASKET	1	EA.				250.00	250.00
406					LATCHDOWN PLUG & BARGE	1	EA.				225.00	225.00
407					INSERT FIDAT SPIDE w/ FILL	1	EA.				300.00	300.00
409					TURBIDIZERS	8	EA.				75.00	600.00
419					ROTATING HEAD RENTAL		HOBS				200.00	200.00
281					MUD FLUSH	500	gal				1.00	500.00
281					RCL	4	gal				25.00	100.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	4750.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	7150.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	11,900.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				MATERIAL TAX 8.0%	585.58
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	12,485.79

DATE SIGNED 6 OCT 15 TIME SIGNED 0515  
 A.M.  
 P.M.

X Maeda Rago

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
 The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVED [Signature]  
 Thank You!



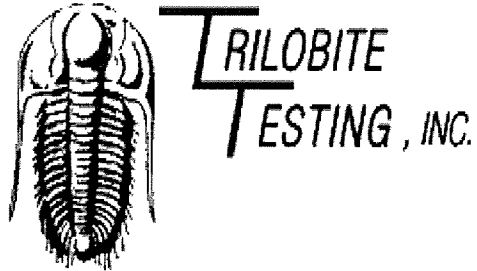
JOB LOG

SWIFT Services, Inc.

DATE 6 OCT 15 PAGE NO.

CUSTOMER PALOMINO PETROLEUM WELL NO. LEASE KAW # 2 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 28991

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0000							ON LOCATION
	0200							START PIPE 5 1/2-14# RTD @ 2800 LTD @ 2804 SHAEST. 41.66 CENTRALIZERS 1,3,5,7,9,11,13,15 BASKET 2
	0310							DROP BALL - CIRCULATE.
	0349	6	12		✓		300	Pump 500 gal mud FLUSH
		6	20		✓		300	Pump 20 BBL KCL SPACER
	0356		7					PLUG RH - 30sx
	0400	6	114		✓			MIX 205 sx SMD @ 11.2 ppG.
		5	17		✓			MIX 65 sx SMD @ 14.5 ppG.
	0427							WASHOUT Pump & LINES.
	0429	6			✓			START DISPLACING PLUG.
	0441	0	67		✓		1500	PLUG DOWN - LATCH PLUG IN.
	0443				✓			RELEASE PSI - DRY CIRCULATE CEMENT TO SURFACE
	0445							WASH TRUCK
	0520							JOB COMPLETE.
								THANKS # 115
								JASON COLE PRESTON



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 S.E. 84th St.  
Newon KS 67114

ATTN: Jerry A. Smith

**Kaw #2**

**6-22s-4e Marion,KS**

Start Date: 2015.10.03 @ 19:06:11

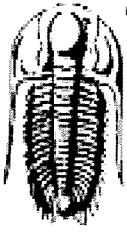
End Date: 2015.10.04 @ 00:28:56

Job Ticket #: 59795                      DST #: 1

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

Printed: 2015.10.06 @ 08:33:00

Palomino Petroleum 6-22s-4e Marion,KS Kaw #2 DST # 1 Swope / Hertha 2015.10.03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**6-22s-4e Marion,KS**

4924 S.E. 84th St.  
New on KS 67114

**Kaw #2**

ATTN: Jerry A. Smith

Job Ticket: 59795

**DST#: 1**

Test Start: 2015.10.03 @ 19:06:11

## GENERAL INFORMATION:

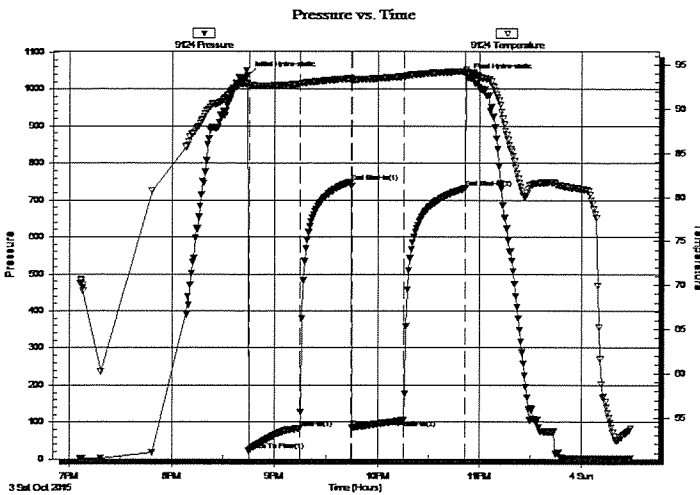
Formation: **Swope / Hertha**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:45:11  
 Time Test Ended: 00:28:56  
 Interval: **2130.00 ft (KB) To 2200.00 ft (KB) (TVD)**  
 Total Depth: 2200.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gary Pevoteaux  
 Unit No: 80  
 Reference Elevations: 1401.00 ft (KB)  
 1396.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 9124

Outside

Press@RunDepth: 105.33 psig @ 2131.00 ft (KB)  
 Start Date: 2015.10.03 End Date: 2015.10.04  
 Start Time: 19:06:16 End Time: 00:28:55  
 Capacity: 8000.00 psig  
 Last Calib.: 2015.10.04  
 Time On Btm: 2015.10.03 @ 20:44:41  
 Time Off Btm: 2015.10.03 @ 22:52:41

TEST COMMENT: IF:Fair blow . Slow increase to 7 1/2".  
 IS:No blow .  
 FF:Fair blow . Slow increase to 7".  
 FSI:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1037.74	92.89	Initial Hydro-static
1	21.91	92.50	Open To Flow (1)
31	82.98	92.80	Shut-In(1)
60	749.45	93.44	End Shut-In(1)
60	84.80	93.21	Open To Flow (2)
91	105.33	93.68	Shut-In(2)
127	732.22	94.26	End Shut-In(2)
128	1032.11	94.23	Final Hydro-static

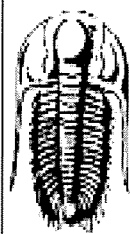
## Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW/w o specs 16%m 84%w Rw .08 oh0.59;74d	
69.00	VM/w o specs 38%w 62%m	0.97
1.00	Clean oil	0.01

## Gas Rates

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





# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Palomino Petroleum

6-22s-4e Marion,KS

4924 S.E. 84th St.  
New on KS 67114

Kaw #2

ATTN: Jerry A. Smith

Job Ticket: 59795

DST#: 1

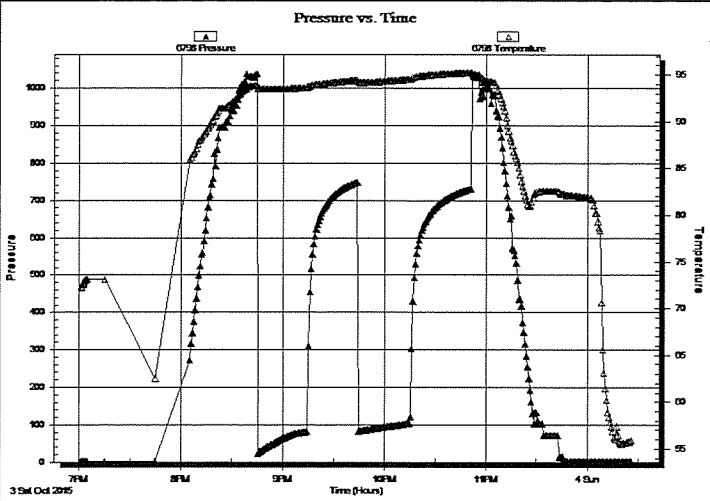
Test Start: 2015.10.03 @ 19:06:11

### GENERAL INFORMATION:

Formation:	<b>Swope / Hertha</b>		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened:	20:45:11		Tester: Gary Pevoteaux
Time Test Ended:	00:28:56		Unit No: 80
Interval:	<b>2130.00 ft (KB) To 2200.00 ft (KB) (TVD)</b>		Reference Elevations: 1401.00 ft (KB)
Total Depth:	2200.00 ft (KB) (TVD)		1396.00 ft (CF)
Hole Diameter:	7.88 inches Hole Condition: Fair		KB to GR/CF: 5.00 ft

<b>Serial #: 6798</b>	Inside		
Press@RunDepth:	psig @ 2131.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2015.10.03 End Date: 2015.10.04	Last Calib.:	2015.10.04
Start Time:	19:01:09 End Time: 00:26:33	Time On Btm:	
		Time Off Btm:	

**TEST COMMENT:** IF: Fair blow. Slow increase to 7 1/2".  
 IS: No blow.  
 FF: Fair blow. Slow increase to 7".  
 FS: No blow.



### PRESSURE SUMMARY

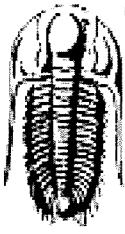
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	MV/w o specs 16% m 84% w Rw .08 dh 0.59; 74d	
69.00	VM/w o specs 38% w 62% m	0.97
1.00	Clean oil	0.01

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**6-22s-4e Marion,KS**

4924 S.E. 84th St.  
New on KS 67114

**Kaw #2**

Job Ticket: 59795

**DST#: 1**

ATTN: Jerry A. Smith

Test Start: 2015.10.03 @ 19:06:11

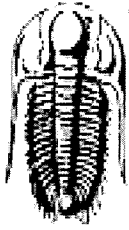
### Tool Information

Drill Pipe:	Length: 2007.00 ft	Diameter: 3.80 inches	Volume: 28.15 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 39000.00 lb
			<u>Total Volume: 28.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	2130.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 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			2103.00	
Shut In Tool	5.00			2108.00	
Hydraulic tool	5.00			2113.00	
Jars	5.00			2118.00	
Safety Joint	3.00			2121.00	
Packer	4.00			2125.00	28.00 Bottom Of Top Packer
Packer	5.00			2130.00	
Stubb	1.00			2131.00	
Recorder	0.00	9124	Outside	2131.00	
Recorder	0.00	6798	Inside	2131.00	
Perforations	7.00			2138.00	
Blank Spacing	32.00			2170.00	
Perforations	25.00			2195.00	
Bullnose	5.00			2200.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 98.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**6-22s-4e Marion,KS**

4924 S.E. 84th St.  
New on KS 67114

**Kaw #2**

Job Ticket: 59795

**DST#: 1**

ATTN: Jerry A. Smith

Test Start: 2015.10.03 @ 19:06:11

## 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:

94000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW /w o specs 16%m 84%w Rw .08 ohms@	0.590
69.00	WM /w o specs 38%w 62%m	0.968
1.00	Clean oil	0.014

Total Length: 190.00 ft      Total Volume: 1.572 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

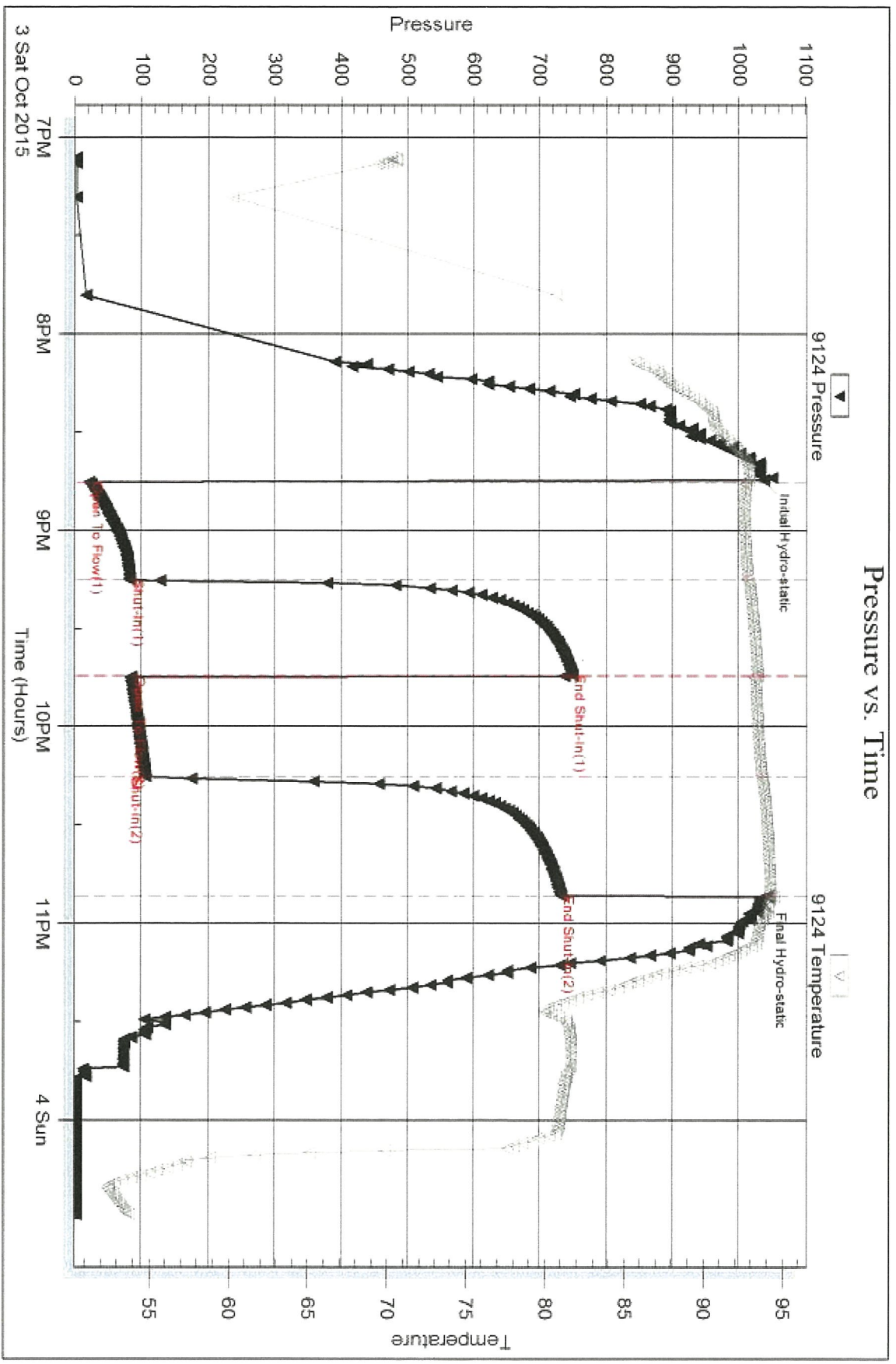
Serial #: 9124

Outside Palomino Petroleum

Kaw #2

DST Test Number: 1

### Pressure vs. Time



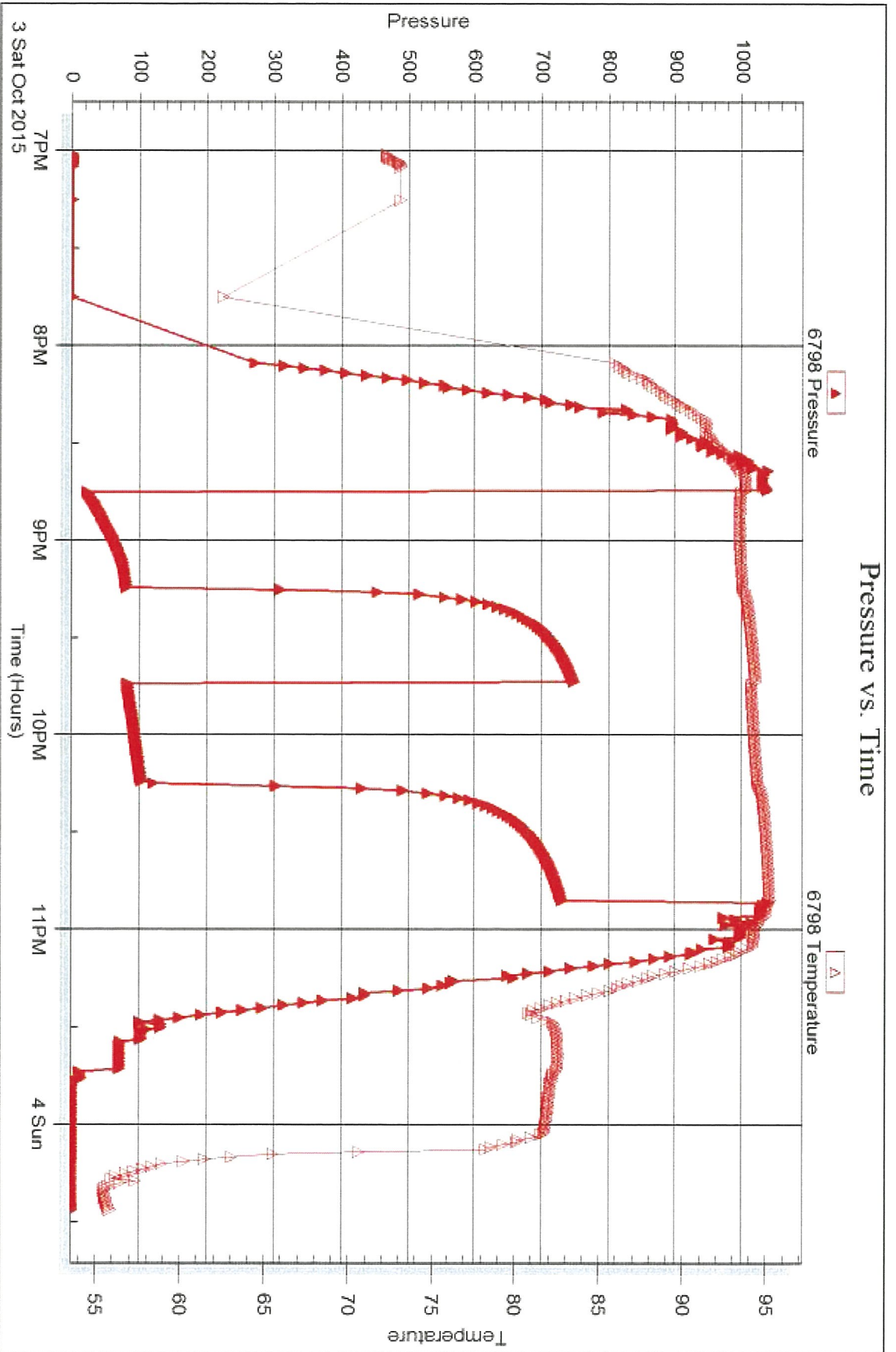
Serial #: 6798

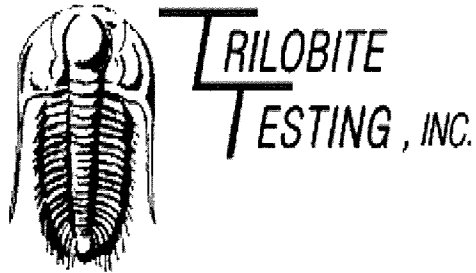
Inside

Palomino Petroleum

Kaw #2

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 S.E. 84th St.  
Newon KS 67114

ATTN: Jerry A. Smith

**Kaw #2**

**6-22s-4e Marion,KS**

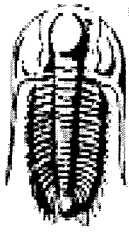
Start Date: 2015.10.04 @ 20:06:33

End Date: 2015.10.05 @ 02:05:03

Job Ticket #: 59795                      DST #: 2

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

Printed: 2015.10.06 @ 08:31:09



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

**6-22s-4e Marion,KS**

4924 S.E. 84th St.  
New on KS 67114

**Kaw #2**

Job Ticket: 59795

**DST#: 2**

ATTN: Jerry A. Smith

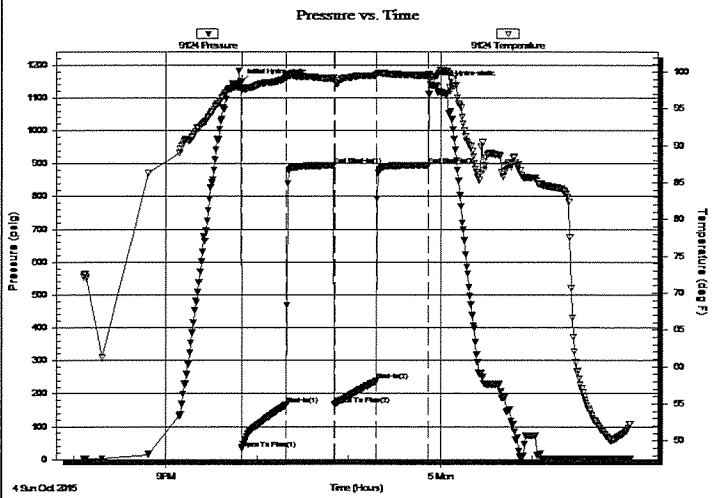
Test Start: 2015.10.04 @ 20:06:33

**GENERAL INFORMATION:**

Formation: **Hunton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:49:33  
 Time Test Ended: 02:05:03  
 Interval: **2316.00 ft (KB) To 2515.00 ft (KB) (TVD)**  
 Total Depth: 2515.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Gary Pevoteaux  
 Unit No: 80  
 Reference Elevations: 1401.00 ft (KB)  
 1396.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 9124** Outside  
 Press@RunDepth: 238.06 psig @ 2317.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.10.04 End Date: 2015.10.05 Last Calib.: 2015.10.05  
 Start Time: 20:06:38 End Time: 02:05:02 Time On Btm: 2015.10.04 @ 21:48:48  
 Time Off Btm: 2015.10.04 @ 23:53:18

**TEST COMMENT:** IF: Strong blow . B.O.B. in 7 1/2 mins.  
 IS: No blow .  
 FF: Fair to strong blow . B.O.B. in 19 mins.  
 FS: No blow .



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1146.72	97.96	Initial Hydro-static
1	32.66	97.50	Open To Flow (1)
31	166.08	99.16	Shut-In(1)
62	894.60	99.15	End Shut-In(1)
62	165.80	98.84	Open To Flow (2)
89	238.06	99.54	Shut-In(2)
124	895.44	99.56	End Shut-In(2)
125	1140.61	99.15	Final Hydro-static

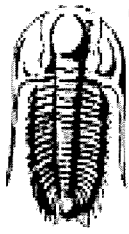
**Recovery**

Length (ft)	Description	Volume (bbl)
185.00	OCWM 9%o 17%w 74%m	1.50
250.00	GOCM 6%g 46%o 48%m	3.51
60.00	GMCO 7%g 23%m 70%o	0.84
0.00	60 ft. of GIP	0.00

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**6-22s-4e Marion, KS**

4924 S.E. 84th St.  
New on KS 67114

**Kaw #2**

Job Ticket: 59795

**DST#: 2**

ATTN: Jerry A. Smith

Test Start: 2015.10.04 @ 20:06:33

## GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:49:33

Time Test Ended: 02:05:03

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 80

Interval: **2316.00 ft (KB) To 2515.00 ft (KB) (TVD)**

Reference Elevations: 1401.00 ft (KB)

Total Depth: 2515.00 ft (KB) (TVD)

1396.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

**Serial #: 6798** Inside

Press@RunDepth: psig @ 2317.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.04 End Date: 2015.10.05

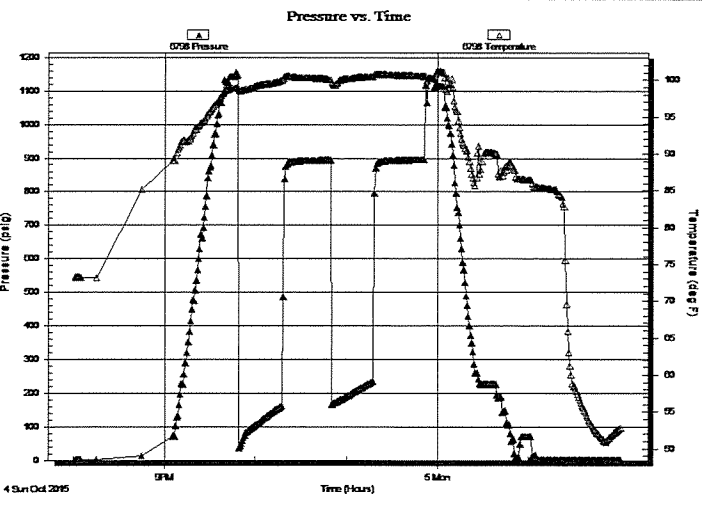
Last Calib.: 2015.10.05

Start Time: 20:01:11 End Time: 02:01:50

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 7 1/2 mins.  
IS: No blow .  
FF: Fair to strong blow . B.O.B. in 19 mins.  
FSI: No blow .



## PRESSURE SUMMARY

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

## Recovery

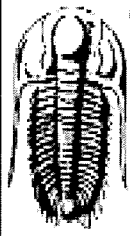
Length (ft)	Description	Volume (bbl)
185.00	OCWM 9%o 17%w 74%m	1.50
250.00	GOCM 6%g 46%o 48%m	3.51
60.00	GMCO 7%g 23%m 70%o	0.84
0.00	60 ft. of GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**6-22s-4e Marion,KS**

4924 S.E. 84th St.  
New on KS 67114

**Kaw #2**

Job Ticket: 59795

**DST#: 2**

ATTN: Jerry A. Smith

Test Start: 2015.10.04 @ 20:06:33

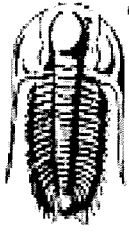
### Tool Information

Drill Pipe:	Length: 2195.00 ft	Diameter: 3.80 inches	Volume: 30.79 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: 31.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2316.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	199.00 ft			
Tool Length:	227.00 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			2289.00	
Shut In Tool	5.00			2294.00	
Hydraulic tool	5.00			2299.00	
Jars	5.00			2304.00	
Safety Joint	3.00			2307.00	
Packer	4.00			2311.00	28.00 Bottom Of Top Packer
Packer	5.00			2316.00	
Stubb	1.00			2317.00	
Recorder	0.00	9124	Outside	2317.00	
Recorder	0.00	6798	Inside	2317.00	
Perforations	7.00			2324.00	
Blank Spacing	155.00			2479.00	
Perforations	31.00			2510.00	
Bullnose	5.00			2515.00	199.00 Bottom Packers & Anchor

**Total Tool Length: 227.00**



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**FLUID SUMMARY**

Palomino Petroleum

**6-22s-4e Marion,KS**

4924 S.E. 84th St.  
New on KS 67114

**Kaw #2**

Job Ticket: 59795

**DST#: 2**

ATTN: Jerry A. Smith

Test Start: 2015.10.04 @ 20:06:33

## 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:	29000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	OCWM 9%o 17%w 74%m	1.502
250.00	GOCM 6%g 46%o 48%m	3.507
60.00	GMCO 7%g 23%m 70%o	0.842
0.00	60 ft.of GIP	0.000

Total Length: 495.00 ft      Total Volume: 5.851 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments: Rw .22 ohms @ 75 deg

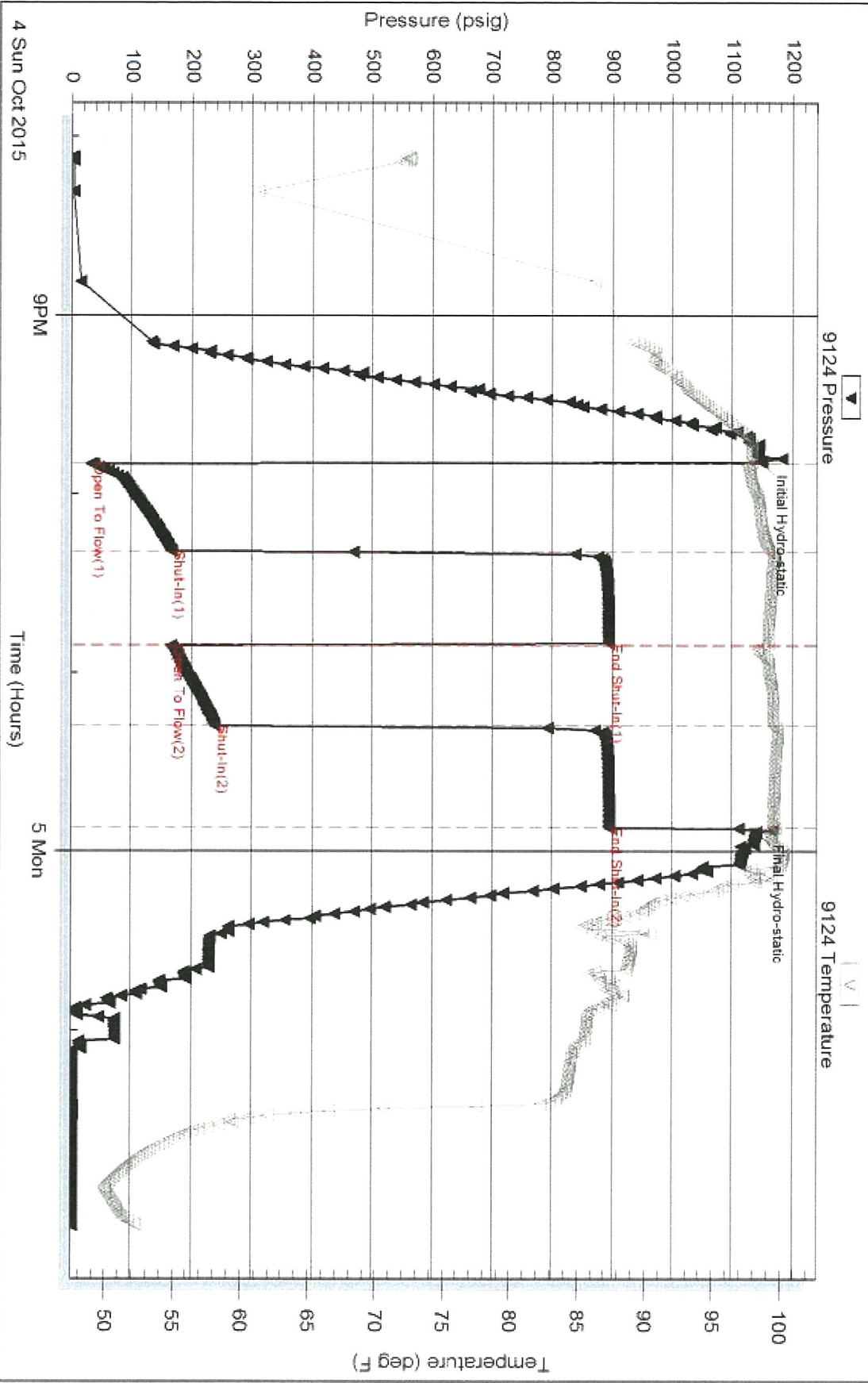
Serial #: 9124

Outside Palomino Petroleum

Kaw #2

DST Test Number: 2

### Pressure vs. Time



Tribble Testing, Inc

Ref. No: 59795

Printed 2015 10 06 @ 08:31:14

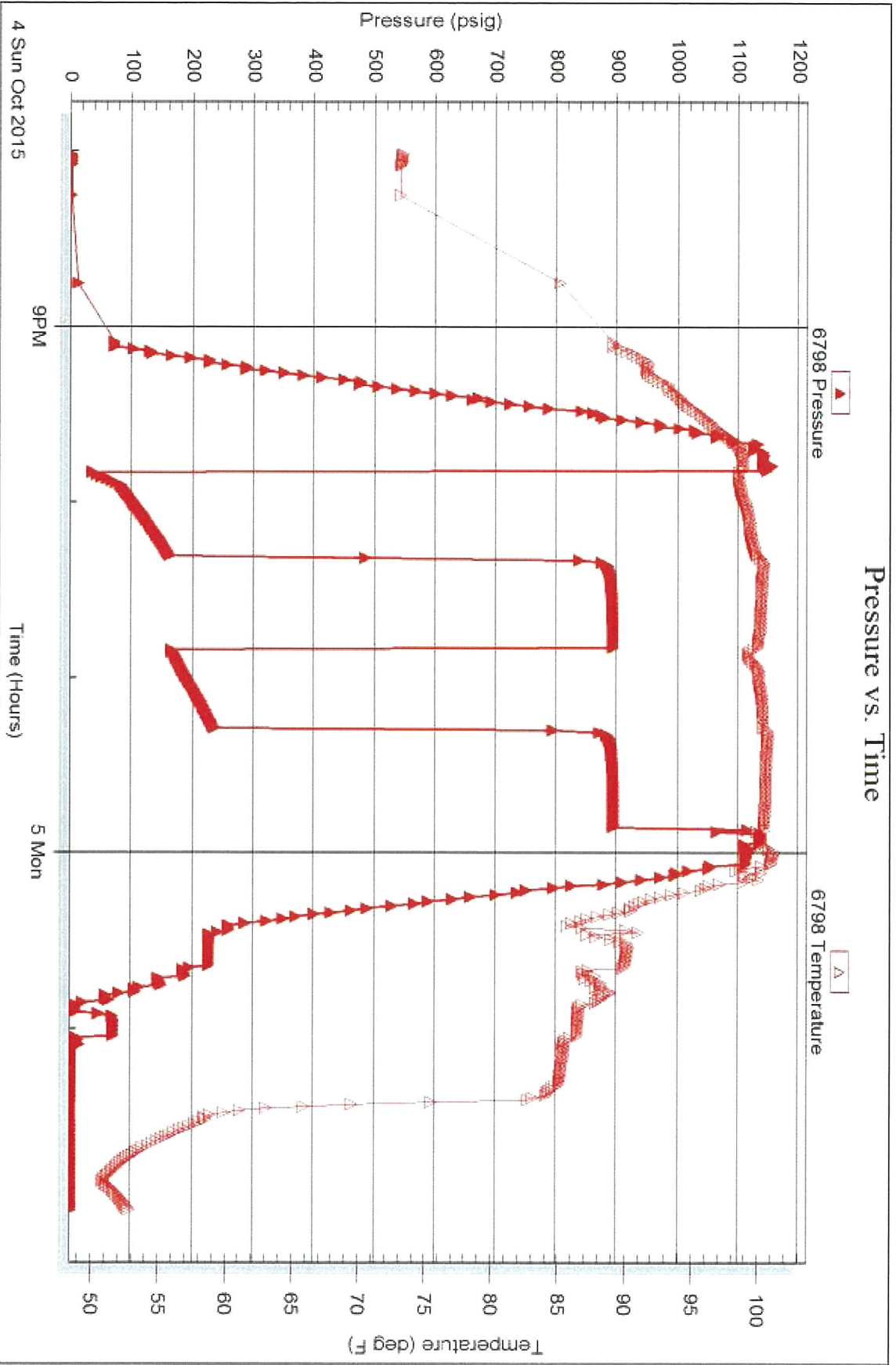
Serial #: 6798

Inside

Palomino Petroleum

Kaw #2

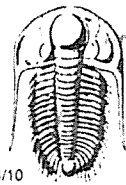
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 59795

Printed 2015 10 06 @ 08 31 14



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59795

Well Name & No. KAW #2 Test No. 1 Date 10-3-15  
 Company Palomino Petr. Inc. Elevation 1401 KB 1396 GL  
 Address 4924 S.E. 24<sup>TH</sup> G. NEWTON KS. 67114  
 Co. Rep / Geo. SCERRY + SMITH Rig WJW DRUG. #6  
 Location: Sec. 6 Twp. 27S Rge. 4E Co. MARION State Ks.

Interval Tested 2130 - 2200' Zone Tested ~~WALS~~ GWOPE / HERTHA  
 Anchor Length 70' Drill Pipe Run 2007' Mud Wt. 9.0  
 Top Packer Depth 2125' Drill Collars Run 120' Vis 44  
 Bottom Packer Depth 5mcs 2130 Wt. Pipe Run 0 WL 8.8 cc  
 Total Depth 2200' Chlorides 1600 ppm System LCM 1  
 Blow Description IF; Fair blow. slow increase to 7 1/2"  
ISI; No blow.  
FF; Fair blow. slow increase to 7". FSI; No blow.

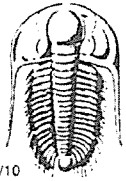
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Feet of <del>WALS</del> MW w/aspes</u>			<u>84</u>	<u>16</u>
<u>69</u>	<u>Feet of WM w/aspes</u>			<u>38</u>	<u>62</u>
<u>1</u>	<u>Feet of clean oil</u>				

Rec Total 190 BHT 940 Gravity N/A API RW .00 @ 74° F Chlorides 94,000 ppm  
 (A) Initial Hydrostatic 1938  Test 1050 T-On Location 1802  
 (B) First Initial Flow 32  Jars 250 T-Started 1906  
 (C) First Final Flow 83  Safety Joint 75 T-Open 2045  
 (D) Initial Shut-In 749  Circ Sub T-Pulled 2251  
 (E) Second Initial Flow 85  Hourly Standby T-Out 0028  
 (F) Second Final Flow 105  Mileage 222 Comments \_\_\_\_\_  
 (G) Final Shut-In 732  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1032  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1847  
 Sub Total 1847 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative [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. 59796

Well Name & No. KAW #2 Test No. 2 Date 10-4-15  
 Company PALOMINO PETL INC. Elevation 1401 KB 1396 GL  
 Address 4924 S.E. 84TH ST. NEWTON KS. 67114  
 Co. Rep / Geo. JERRY A. SMITH Rig WW DIRLG. #6  
 Location: Sec. 6 Twp. 22S Rge. 4E Co. MARION State Ks.

Interval Tested 2316 - 2515 Zone Tested HUNTON  
 Anchor Length 199' Drill Pipe Run 2195 ~~2200~~ Mud Wt. 9.4  
 Top Packer Depth 2311' Drill Collars Run 120' Vis 44  
 Bottom Packer Depth (SPACE) 2316' Wt. Pipe Run 0 WL 8.8cc  
 Total Depth 2515 Chlorides 1900 ppm System. LCM I#

Blow Description IF: Strong blow. B.O.B. in 7 1/2 mins.  
ISI: No blow.  
FF: Fair to strong blow. B.O.B. in 19 mins.  
FSL: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Gas in pipe</u>				
<u>60</u>	<u>GMCO</u>	<u>7</u>	<u>70</u>		<u>23</u>
<u>250</u>	<u>GoCM</u>	<u>6</u>	<u>46</u>		<u>48</u>
<u>185</u>	<u>OCWM</u>		<u>9</u>	<u>17</u>	<u>74</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 495 Flow/BHT 990 Gravity N/A API RW 22 @ 75 °F Chlorides 29,000 ppm

(A) Initial Hydrostatic <u>1147</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1757</u>
(B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2006</u>
(C) First Final Flow <u>166</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2149</u>
(D) Initial Shut-In <u>895</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2353</u>
(E) Second Initial Flow <u>166</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>6211</u>
(F) Second Final Flow <u>238</u>	<input checked="" type="checkbox"/> Mileage <u>45 * 2 * (90)</u>	Comments <u>* 2 NIGHTS WITH</u>
(G) Final Shut-In <u>895</u>	<input type="checkbox"/> Sampler <u>45+45</u>	<u>MOTEL STAY</u>
(H) Final Hydrostatic <u>1147</u>	<input type="checkbox"/> Straddle	<u>* RETURNED TO LOAD TOOLS</u>

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 type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1715</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1715</u>	

Approved By \_\_\_\_\_ Our Representative Cory Pustay

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