

Global Cementing LLC

1958 E HWY 40  
Russell, KS 67665

RECEIVED  
JUL 09 2016

# Invoice

Date	Invoice #
6/22/2016	2657
Due Date	6/22/2016

Bill To
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

P.O. No.	Project
HERLING#1	

Quantity	Description	Rate	Amount
150	COMMON	16.00	2,400.00
5	CALCIUM	59.00	295.00
3	GEL	21.50	64.50
158	HANDLING	1.90	300.20
	BULK MILEAGE	126.40	126.40
1	TRI-PLEX PUMP CHARGE FOR SURFACE	750.00	750.00
10	PUMP TRUCK MILEAGE	6.00	60.00
10	PICKUP	1.80	18.00
	25% DISCOUNT IF PAID WITHIN 15 DAYS FROM INVOICE GOVE CO SALES TAX <i>if pd by 7-15-16</i>	8.50%	0.00

Thank you for your business.			<b>Total</b>	\$4,014.10
Phone #	Fax #	E-mail		
785-324-2658	785-445-4174	globalcementing@gmail.com		

# GLOBAL CEMENTING, L.L.C.

2657

REMIT TO 1958 E. Highway 40  
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>6-22-16</u>	SEC. <u>2</u>	TWP. <u>14</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION <u>6:00 AM</u> <u>ROR</u>	JOB START	JOB FINISH <u>11:00 AM</u>
LEASE <u>HERLING</u>	WELL # <u>#1</u>	LOCATION <u>QUINTER 15S 3E</u>	COUNTY <u>Grove</u>	STATE <u>KANSAS</u>			
OLD OR <u>NEW</u> (CIRCLE ONE)				<u>IN INTO</u>			

CONTRACTOR W-W DRILL Rig #14

TYPE OF JOB Cement Surface

HOLE SIZE 12 1/4 T.D. 224

CASING SIZE 8 5/8 23# DEPTH 223

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS

DISPLACEMENT 13.31/BBL

EQUIPMENT

PUMP TRUCK CEMENTER Glenn G.

# P-2 HELPER Cody H.

BULK TRUCK

# B-5 DRIVER JASON M.

BULK TRUCK DRIVER

OWNER

CEMENT AMOUNT ORDERED 150 sx Corn.  
370 cc  
270 gal.

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Ran 5 joints of 23# 8 5/8 csg.

Set @ 223

Received circulation.

Cement w/ 150 sx Corn. 3 + 2

Displace @ total of 13.31/BBL H2O

Shut in @ 250 #.

Cement Did Circulate THANK'S

CHARGE TO: PALOMINO PETROLEUM

STREET

CITY STATE ZIP

Global Cementing, L.L.C.,  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Noel Perez

SIGNATURE Noel Perez

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



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



RECEIVED  
JUL 08 2016

# Invoice

DATE	INVOICE #
7/2/2016	29561

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	#1	Herlinc	Gove	WW Drilling Rig ...	Oil	Development	5 1/2 Longstring	Jason
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				45	Miles	5.00	225.00
578D-L	Pump Charge - Long String				1	Job	1,250.00	1,250.00
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
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				11	Each	75.00	825.00T
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				60	Lb(s)	2.25	135.00T
283	Salt				500	Lb(s)	0.20	100.00T
284	Calseal				5	Sack(s)	30.00	150.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
290	D-Air				2.5	Gallon(s)	42.00	105.00T
325	Standard Cement				100	Sacks	12.25	1,225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	15.75	1,968.75T
581D	Service Charge Cement				225	Sacks	1.50	337.50
583D	Drayage				515.47	Ton Miles	0.75	386.60
	Subtotal							11,132.85
	Sales Tax Gove County						8.50%	759.37

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$11,892.22
-------------------------------------	--------------	-------------



Services, Inc.

CHARGE TO: **FALMUD PETROLEUM**

TICKET 29561

ADDRESS

CITY, STATE, ZIP CODE

PAGE 1 OF 2

1. SERVICE LOCATIONS <b>Ness City, KS</b>	WELL/PROJECT NO.	LEASE	COUNTY/RAILROAD	STATE	CITY	DATE	OWNER
		<b>Herline #1</b>	<del>Barber</del> <b>Scott</b>	<b>KS</b>	<b>UTICA, KS.</b>	<b>25 July 16</b>	
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA		DELIVERED TO	ORDER NO.	
	<b>WLD DRILLING RIG 14</b>						
3. WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.		WELL LOCATION		
	<b>D1L</b>	<b>DEVELOPMENT</b>			<b>Herline #1</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
275					MILEAGE \$115	45	mi			5	225
574					Pump CARRIERS	1	EA			1250	1250
403					CEMENT BASKETS	1	EA			250	250
404					PORT COLLAR	1	EA			250	250
406					LATEX DRAIN PLUG & BAPPLE	1	EA			225	225
407					INSERT FLAT SPDE w/FILE	1	EA			300	300
409					TURBOUSERS	11	EA.			75	825
419					ROTARY HEAD RENTAL	1	HR			200	200
281					MUD FLUSH	500	gal			1.25	625
281					KOL	4	pcr			25	100

**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

DATE SIGNED: **3 July** TIME SIGNED: **1:30**  A.M.  P.M.

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

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **6500** **85**

TOTAL: **11892.22**

SWIFT OPERATOR: **[Signature]** APPROVAL: **[Signature]**

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

Thank You!



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 295C1

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE	UNIT PRICE	AMOUNT
		LOC	ACCT	DE			QTY	U/M	QTY	U/M			

CUSTOMER: **Petroleum**

WELL: **HERVINE #1**

DATE: **25/4/16** PAGE: **2** OF: **2**

276						FLOCELE													
283						SALT													
284						WASSEAL													
285						DEF-1													
290						D-AIR													
325						STANDARD EA-2													
330						SMD CEMENT													
581																			
583																			

SERVICE CHARGE		CUBIC FEET	2255x	1.50	337	50	
MILEAGE CHARGE	TOTAL MILEAGE	LOADED MILES	22910	75	386	60	
CONTINUATION TOTAL						4632	85

JOB LOG

SWIFT Services, Inc.

DATE 23 July 16 PAGE NO.

CUSTOMER **VALDOMINO PETROLEUM** WELL NO. LEASE **HERLING #1** JOB TYPE **5 1/2 LONGSTRING** TICKET NO. **29561**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							ON LOCATION
	0630							START PIPE 5 1/2 - 14 # RTD @ 4500 SET @ 4500 SHOE JT. 36:49 CENTRALIZERS 1,3,5,7,9,11,12,13,14,16, 6.3 BASKET 6.4 PORT COLLAR # 6.4 @ 196.3
	0855							DROP BALL - CIRCULATE
	0952	6	12		✓		300	Pump 500 gal MUD FLUSH
		6	20		✓		300	Pump 20 Bbl KCL SPACER
	1000		7.5					PLUG RA - 30sx MH - 20sx
	1004	4	29		✓			MIX 75 sx SMD
		4	24					MIX 100sx EA - 2
	1022							WASH OUT Pump & LINES
	1025	8			✓			START DISPLACING PLUG
	1041	8	109		✓		1400	PLUG DOWN - LATCH PLUG IN.
	1043				✓			RELEASE PSI - DRY
	1045							WASH TRUCK
	1130							JOB COMPLETE.
								THANKS # 115
								JASON DAVE PRESTON



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



RECEIVED  
 JUL 18 2016

# Invoice

DATE	INVOICE #
7/14/2016	29547

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	#1	Herlinc	Gove	Express Well	Oil	Development	Cement Port Collar	DAVID E.
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				50	Miles	5.00	250.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,250.00	1,250.00
290	D-Air				3	Gallon(s)	42.00	126.00T
105	Port Collar Tool Rental With Man				1	Each	275.00	275.00T
330	Swift Multi-Density Standard (MIDCON II)				145	Sacks	15.75	2,283.75T
276	Flocele				35	Lb(s)	2.25	78.75T
581D	Service Charge Cement				225	Sacks	1.50	337.50
583D	Drayage				530	Ton Miles	0.75	397.50
	Subtotal							4,998.50
	Sales Tax Gove County						8.50%	234.90

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$5,233.40
-------------------------------------	--------------	------------



**Services, Inc.**

TICKET 29547

CHARGE TO: Petromio Petroleum  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

PAGE 1 OF 1

SERVICE LOCATIONS: Haus 16 WELLS/PROJECT NO. # 1 LEASE: Herline COUNTY/PARISH: Gore STATE: MS DATE: 7-14-16 OWNER: \_\_\_\_\_  
Ness City KS CONTRACTOR: Express Well Service RIG NAME/NO.: \_\_\_\_\_ SHIPPED VIA: \_\_\_\_\_ ORDER NO.: \_\_\_\_\_  
 TICKET TYPE:  SERVICE  SALES  
 WELL TYPE: \_\_\_\_\_ WELL CATEGORY: Development JOB PURPOSE: Cur Part Collar DELIVERED TO: Heaton WELL PERMIT NO.: \_\_\_\_\_  
 REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_ WELL LOCATION: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					TRUCK # 113	50	mi				5.00	250.00
576 D					Pump Change - Part Collar	1	EA				1850.00	1850.00
290					D-Hire	3	HR				42.00	126.00
105					Part Collar tool Rental w/ man	1	EA				275.00	275.00
330					Swift Multi-Density STA	148	SKS				15.25	2283.75
276					Flocele	35	lbs				2.25	78.75
291					Service Charge Cur	225	SKS				1.50	337.50
383					Drayage	530	17M				75	397.50

**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

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_

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

REMIT PAYMENT TO:

SURVEY:  OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  WE UNDERSTOOD AND MET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?  WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

AGREE UN-DECIDED DIS-AGREE

PAGE TOTAL: 4998 TOTAL: 5933.40

SWIFT OPERATOR: David Edgerton APPROVAL: \_\_\_\_\_

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: \_\_\_\_\_

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!



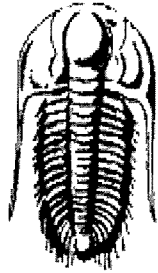
**JOB LOG**

**SWIFT Services, Inc.**

DATE 7-14-16 PAGE NO.

CUSTOMER Palomino Petro WELL NO. #1 LEASE Herline JOB TYPE Cmt Port Collar TICKET NO. 29547

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								On location
								2 7/8 x 5 1/2 Port Collar - 1963'
	105					1000		Test Port Collar
	110	4	0			400		START CMT @ 11.2 ppw
			75					Circ CMT / RAISE WGT to 14.5 ppw
			80					End CMT - <u>14.5</u> SKS SWD
			0					START Disp
	135		9.5					End Disp
	155							Close Port Collar
						1200		Test Port Collar
								Run 5 Joints
	205	3	25					Rev out
								T.O.D.H
								T.Hanks
								David, Jon H, & Preston



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Andrew Stenzel

**Herlinc #1**

**2-14s-26w Gove,KS**

Start Date: 2016.06.27 @ 10:11:40

End Date: 2016.06.27 @ 17:36:10

Job Ticket #: 64550                      DST #: 1

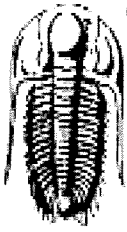
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.07.05 @ 09:43:32

Palomino Petroleum 2-14s-26w Gove,KS Herlinc #1 DST # 1 Lansing 2016.06.27



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 64550

**DST#: 1**

ATTN: Andrew Stenzel

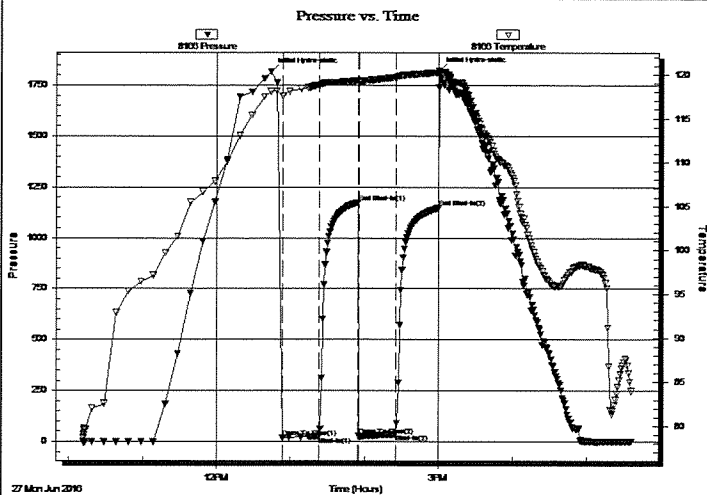
Test Start: 2016.06.27 @ 10:11:40

## GENERAL INFORMATION:

Formation: **Lansing**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:53:40  
 Time Test Ended: 17:36:10  
 Interval: **3810.00 ft (KB) To 3832.00 ft (KB) (TVD)**  
 Total Depth: 3832.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 2503.00 ft (KB)  
 2494.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8166** Outside  
 Press@RunDepth: 37.50 psig @ 3811.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.06.27 End Date: 2016.06.27 Last Calib.: 2016.06.27  
 Start Time: 10:11:45 End Time: 17:36:09 Time On Btm: 2016.06.27 @ 12:43:40  
 Time Off Btm:

TEST COMMENT: IF: Surface blow died in 11 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.



## PRESSURE SUMMARY

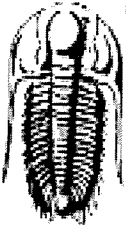
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1814.82	118.07	Initial Hydro-static
10	19.06	117.59	Open To Flow (1)
40	24.81	118.77	Shut-In(1)
71	1174.47	119.32	End Shut-In(1)
72	26.39	119.06	Open To Flow (2)
102	37.50	119.69	Shut-In(2)
136	1147.42	120.24	End Shut-In(2)
137	1821.81	120.34	Initial Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	w cm 20%w 80%m	0.10

## Gas Rates

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



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 Newton, KS 67114  
 ATTN: Andrew Stenzel

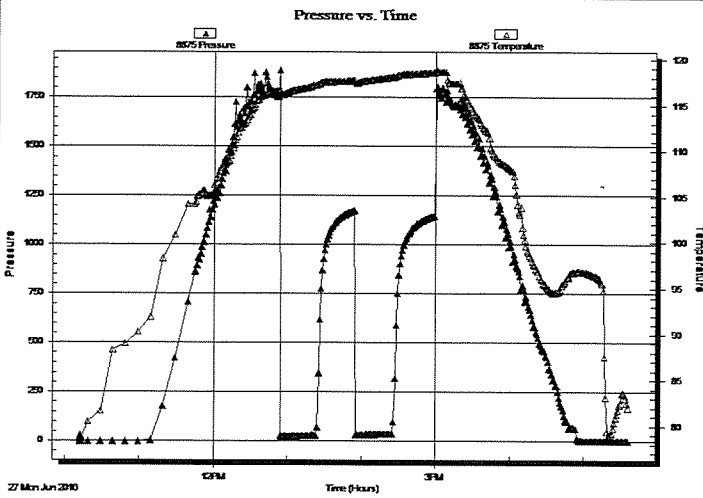
**2-14s-26w Gove,KS**  
**Herlinc #1**  
 Job Ticket: 64550      DST#: 1  
 Test Start: 2016.06.27 @ 10:11:40

### GENERAL INFORMATION:

Formation: **Lansing**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 12:53:40  
 Time Test Ended: 17:36:10  
 Interval: **3810.00 ft (KB) To 3832.00 ft (KB) (TVD)**  
 Total Depth: **3832.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 2503.00 ft (KB)  
 2494.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8875**      **Inside**  
 Press@RunDepth:      psig @ 3811.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2016.06.27      End Date: 2016.06.27      Last Calib.: 2016.06.27  
 Start Time: 10:11:55      End Time: 17:36:19      Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: Surface blow died in 11 min.  
 IS: No return.  
 FF: No blow .  
 FS: No return.



### PRESSURE SUMMARY

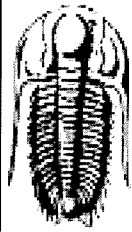
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	w cm 20%w 80%m	0.10

### Gas Rates

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



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 64550

**DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2016.06.27 @ 10:11:40

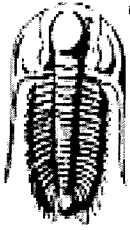
### Tool Information

Drill Pipe:	Length: 3684.00 ft	Diameter: 3.80 inches	Volume: 51.68 bbl	Tool Weight: 2000.00 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 52.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3810.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3784.00	
Shut In Tool	5.00			3789.00	
Hydraulic tool	5.00			3794.00	
Jars	5.00			3799.00	
Safety Joint	2.00			3801.00	
Packer	5.00			3806.00	27.00 Bottom Of Top Packer
Packer	4.00			3810.00	
Stubb	1.00			3811.00	
Recorder	0.00	8875	Inside	3811.00	
Recorder	0.00	8166	Outside	3811.00	
Perforations	16.00			3827.00	
Bullnose	5.00			3832.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 49.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 64550

**DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2016.06.27 @ 10:11:40

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

6000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	w cm 20%w 80%m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

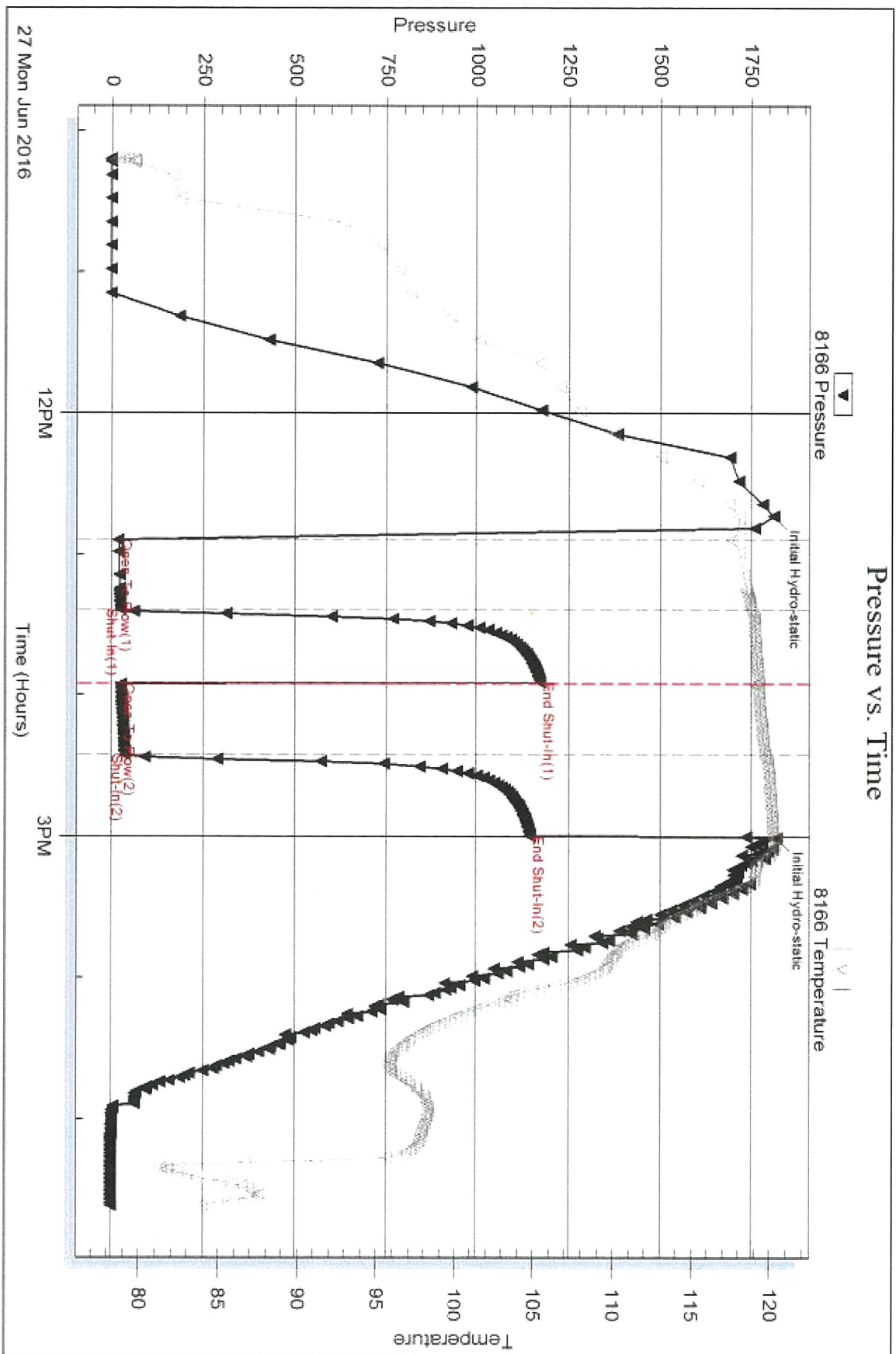
Recovery Comments: .75@92=6000

Serial #: 8166

Outside Palomino Petroleum

Wellbore #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 64550

Printed: 2016.07.05 @ 09:43.33

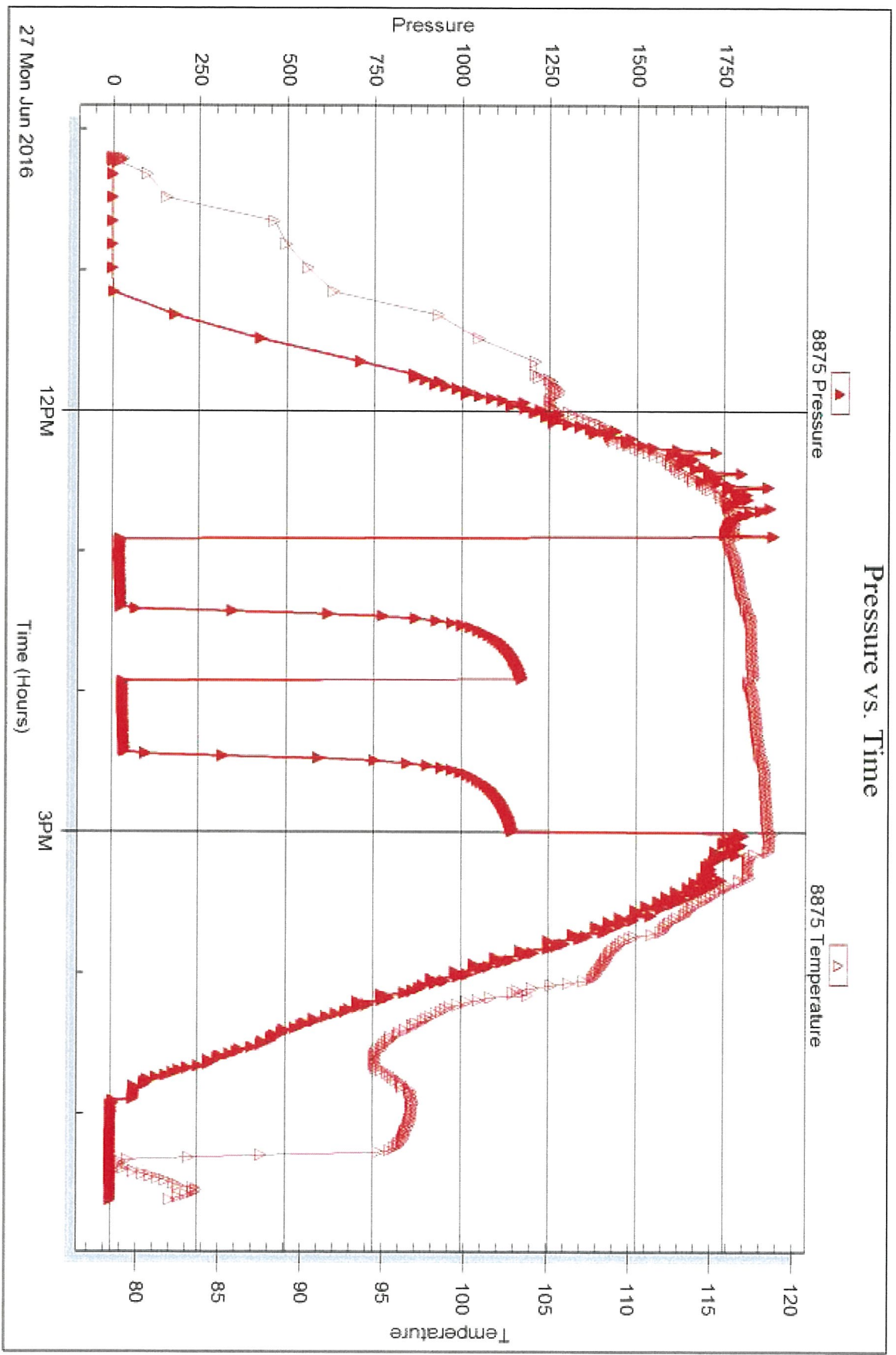
Serial #: 8875

Inside

Palomiro Petroleum

Wellbore #1

DST Test Number: 1

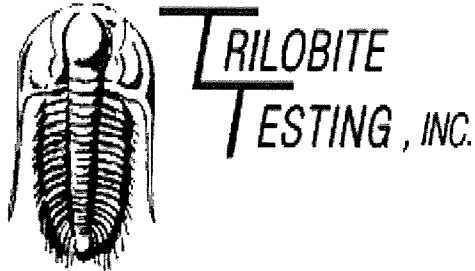


Tribble Testing, Inc

Ref. No: 64550

Printed 2016 07 05 @ 09:43:33





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Herlinc #1**

### **2-14s-26w Gove,KS**

Start Date: 2016.06.28 @ 09:55:55

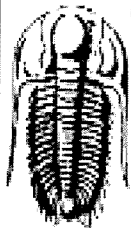
End Date: 2016.06.28 @ 17:26:55

Job Ticket #: 65476                      DST #: 2

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

Printed: 2016.07.05 @ 09:42:47

Palomino Petroleum 2-14s-26w Gove,KS Herlinc #1 DST # 2 LKC H 2016.06.28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
Newton, KS 67114

**Herlinc #1**

Job Ticket: 65476

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2016.06.28 @ 09:55:55

## GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:24:25

Time Test Ended: 17:26:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **3933.00 ft (KB) To 3974.00 ft (KB) (TVD)**

Total Depth: 3974.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2503.00 ft (KB)

2494.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8875**

**Inside**

Press@RunDepth: 328.06 psig @ 3934.00 ft (KB)

Start Date: 2016.06.28

End Date:

2016.06.28

Start Time: 09:56:00

End Time:

17:26:54

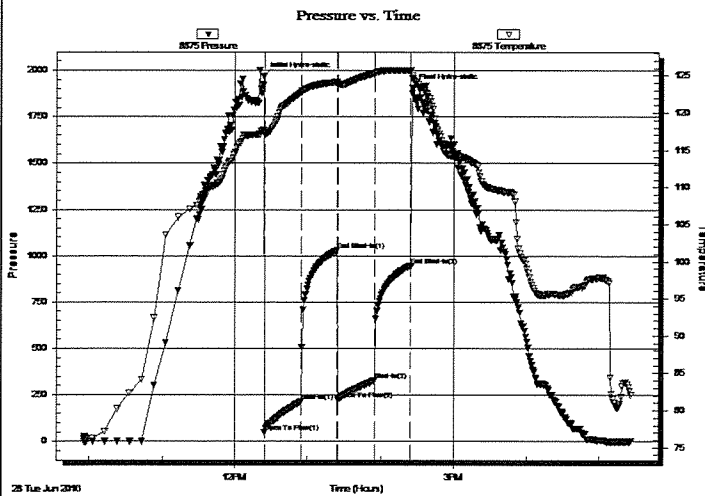
Capacity: 8000.00 psig

Last Calib.: 2016.06.28

Time On Btm: 2016.06.28 @ 12:23:55

Time Off Btm: 2016.06.28 @ 14:25:55

TEST COMMENT: IF: 1/4" blow BOB in 7 1/2 mins.  
IS: Weak surface blow died in 2 mins.  
FF: 1/4" blow BOB in 10 1/2 mins.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.84	117.67	Initial Hydro-static
1	47.07	116.99	Open To Flow (1)
31	214.07	122.73	Shut-In(1)
61	1029.46	124.10	End Shut-In(1)
61	226.80	123.86	Open To Flow (2)
91	328.06	125.29	Shut-In(2)
120	947.26	125.68	End Shut-In(2)
122	1905.21	124.59	Final Hydro-static

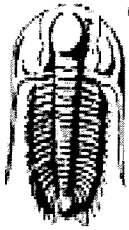
## Recovery

Length (ft)	Description	Volume (bbl)
252.00	mcw 95%w 5%m	2.45
252.00	mcw 80%w 20%m	3.53
233.00	mw oil spots 50%w 50%m	3.27
1.00	free oil 100%o	0.01

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

2-14s-26w Gove,KS

4924 SE 84th St  
Newton, KS 67114

Herlinc #1

Job Ticket: 65476

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2016.06.28 @ 09:55:55

### GENERAL INFORMATION:

Formation: LKC H

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:24:25

Time Test Ended: 17:26:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3933.00 ft (KB) To 3974.00 ft (KB) (TVD)

Total Depth: 3974.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2503.00 ft (KB)

2494.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8166 Outside

Press@RunDepth: psig @ 3934.00 ft (KB)

Start Date: 2016.06.28

End Date:

2016.06.28

Capacity:

8000.00 psig

Last Calib.:

2016.06.28

Start Time: 09:55:10

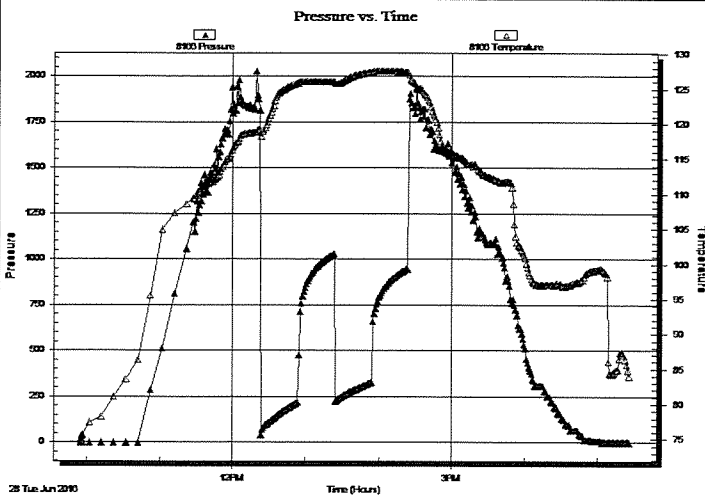
End Time:

17:26:04

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4" blow BOB in 7 1/2 mins.  
IS: Weak surface blow died in 2 mins.  
FF: 1/4" blow BOB in 10 1/2 mins.  
FS: No return.



### PRESSURE SUMMARY

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

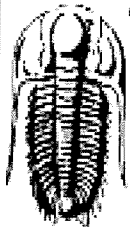
### Recovery

Length (ft)	Description	Volume (bbl)
252.00	mcw 95%w 5%m	2.45
252.00	mcw 80%w 20%m	3.53
233.00	mw oil spots 50%w 50%m	3.27
1.00	free oil 100%o	0.01

\* 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

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65476

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2016.06.28 @ 09:55:55

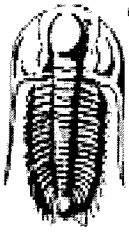
### Tool Information

Drill Pipe:	Length: 3810.00 ft	Diameter: 3.80 inches	Volume: 53.44 bbl	Tool Weight: 2000.00 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 54.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3933.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3907.00	
Shut In Tool	5.00			3912.00	
Hydraulic tool	5.00			3917.00	
Jars	5.00			3922.00	
Safety Joint	2.00			3924.00	
Packer	5.00			3929.00	27.00 Bottom Of Top Packer
Packer	4.00			3933.00	
Stubb	1.00			3934.00	
Recorder	0.00	8875	Inside	3934.00	
Recorder	0.00	8166	Outside	3934.00	
Perforations	2.00			3936.00	
Change Over Sub	1.00			3937.00	
Drill Pipe	31.00			3968.00	
Change Over Sub	1.00			3969.00	
Bullnose	5.00			3974.00	41.00 Bottom Packers & Anchor

**Total Tool Length: 68.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65476

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2016.06.28 @ 09:55:55

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
252.00	mcw 95%w 5%m	2.451
252.00	mcw 80%w 20%m	3.535
233.00	mw oil spots 50%w 50%m	3.268
1.00	free oil 100%o	0.014

Total Length: 738.00 ft

Total Volume: 9.268 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .25@98=19000

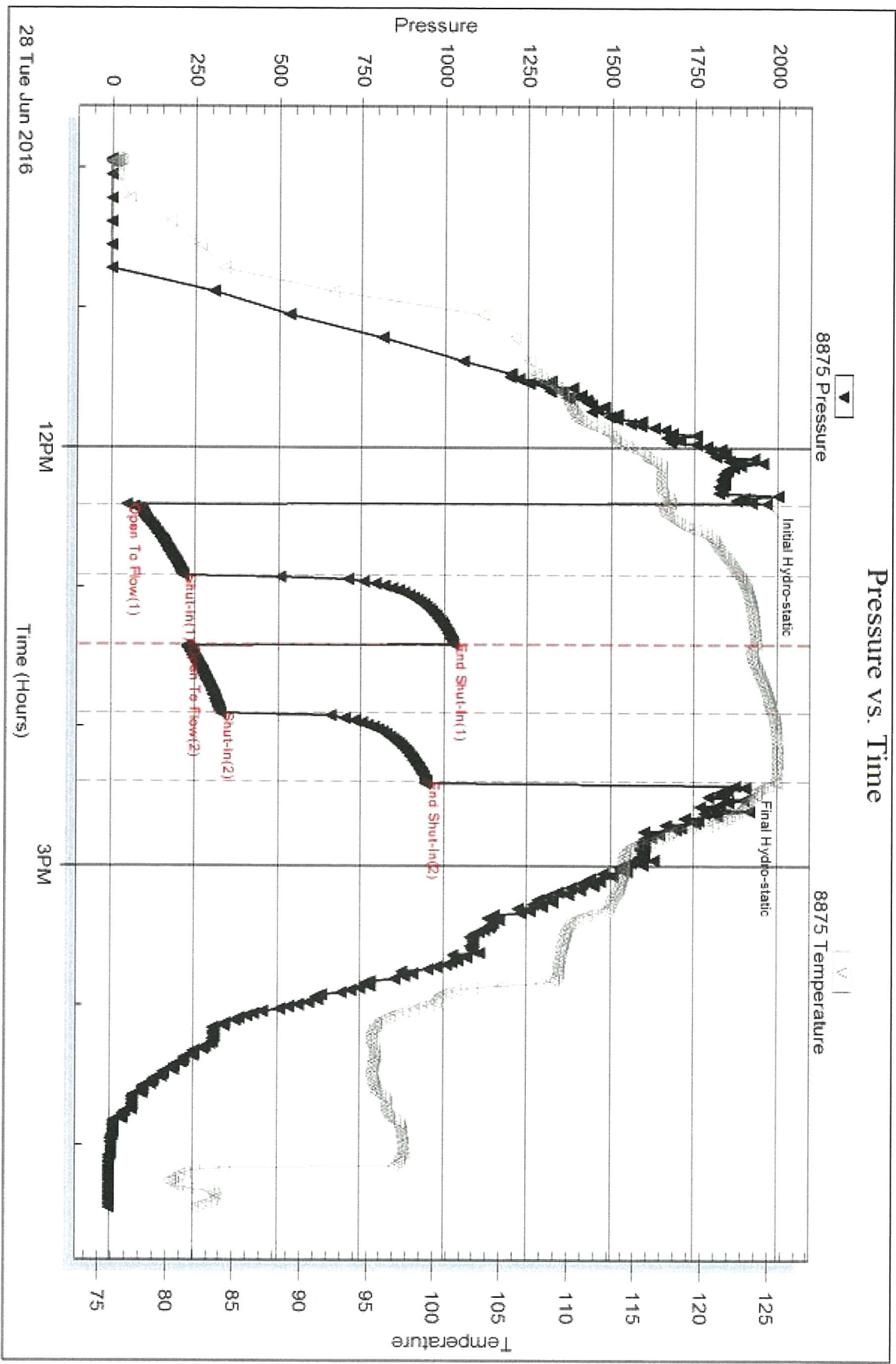
Serial #: 8875

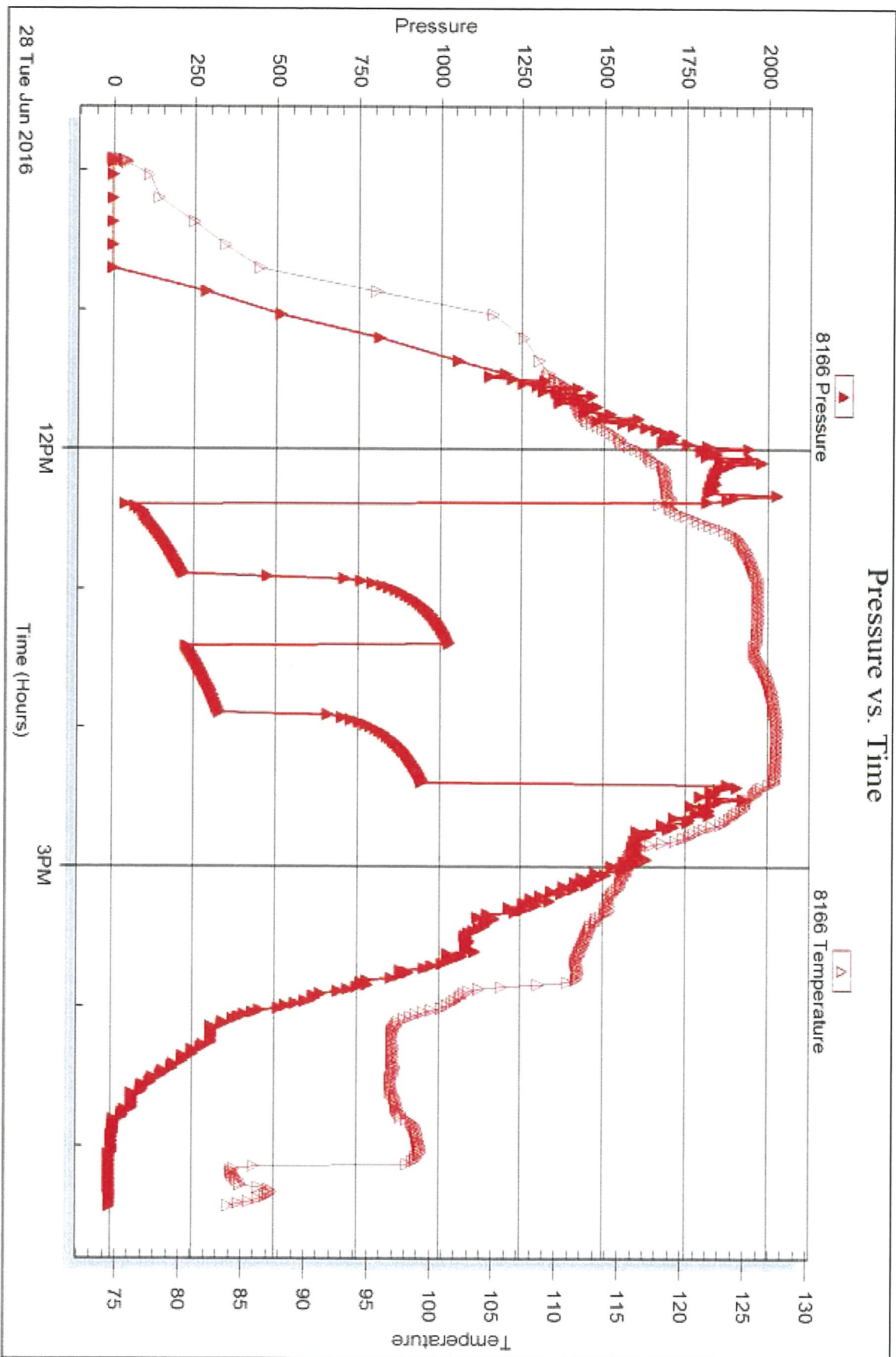
Inside

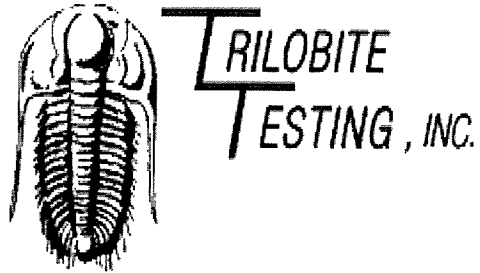
Palomino Petroleum

Herfinc #1

DST Test Number: 2







## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Andrew Stenzel

**Herlinc #1**

**2-14s-26w Gove,KS**

Start Date: 2016.06.29 @ 04:54:17

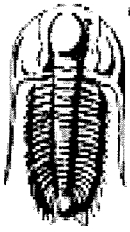
End Date: 2016.06.29 @ 12:12:47

Job Ticket #: 65477                      DST #: 3

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

Printed: 2016.07.05 @ 09:42:05





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65477

**DST#: 3**

ATTN: Andrew Stenzel

Test Start: 2016.06.29 @ 04:54:17

## GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:38:47

Time Test Ended: 12:12:47

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **3964.00 ft (KB) To 4022.00 ft (KB) (TVD)**

Total Depth: 4022.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2503.00 ft (KB)

2494.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8875** Inside

Press@RunDepth: 112.27 psig @ 3965.00 ft (KB)

Start Date: 2016.06.29

End Date: 2016.06.29

Start Time: 04:54:22

End Time: 12:12:46

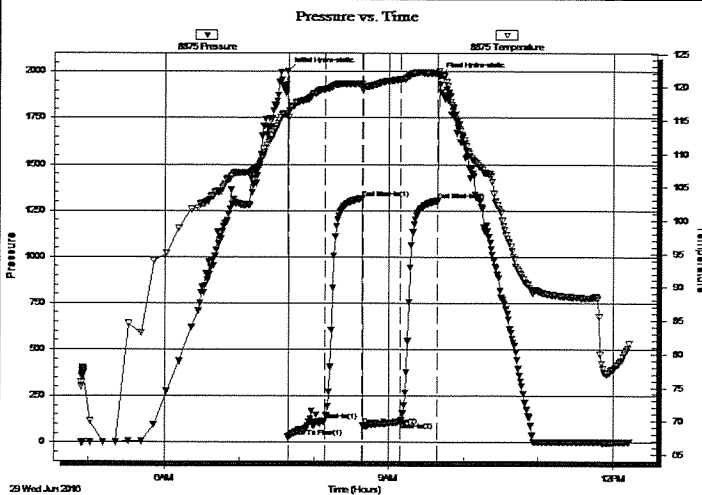
Capacity: 8000.00 psig

Last Calib.: 2016.06.29

Time On Btm: 2016.06.29 @ 07:38:17

Time Off Btm: 2016.06.29 @ 09:39:47

TEST COMMENT: IF: BOB in 13 min.  
IS: Surface blow died in 2 min.  
FF: BOB in 5 min.  
FS: Surface blow built to 3"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2002.78	115.96	Initial Hydro-static
1	25.64	115.35	Open To Flow (1)
31	114.05	119.62	Shut-In(1)
60	1315.47	120.40	End Shut-In(1)
61	88.17	119.43	Open To Flow (2)
91	112.27	121.13	Shut-In(2)
121	1303.39	122.05	End Shut-In(2)
122	1977.45	122.36	Final Hydro-static

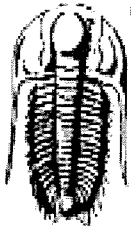
## Recovery

Length (ft)	Description	Volume (bbl)
63.00	gocm 10%g 10%o 80%m	0.31
157.00	gocm 30%g 20%o 50%m	1.69
63.00	ocm 20%o 80%m	0.88
0.00	599 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Palomino Petroleum  
 4924 SE 84th St  
 Newton, KS 67114  
 ATTN: Andrew Stenzel

**2-14s-26w Gove,KS**

**Herlinc #1**  
 Job Ticket: 65477      **DST#: 3**  
 Test Start: 2016.06.29 @ 04:54:17

**GENERAL INFORMATION:**

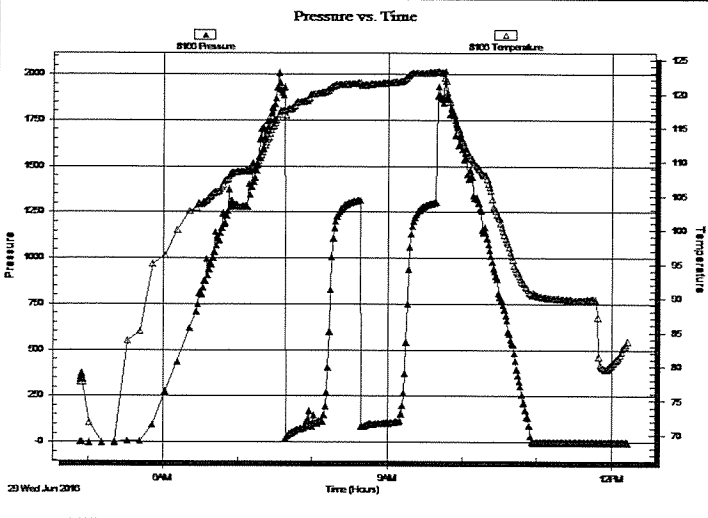
Formation: LKC I-J	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Brandon Turley
Time Tool Opened: 07:38:47	Unit No: 79
Time Test Ended: 12:12:47	
Interval: 3964.00 ft (KB) To 4022.00 ft (KB) (TVD)	Reference Elevations: 2503.00 ft (KB)
Total Depth: 4022.00 ft (KB) (TVD)	2494.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good
	KB to GR/CF: 9.00 ft

**Serial #: 8166**

**Outside**

Press@RunDepth:      psig @ 3965.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2016.06.29      End Date: 2016.06.29	Last Calib.: 2016.06.29
Start Time: 04:54:09      End Time: 12:12:33	Time On Btm:      Time Off Btm:

**TEST COMMENT:**  
 IF: BOB in 13 min.  
 IS: Surface blow died in 2 min.  
 FF: BOB in 5 min.  
 FS: Surface blow built to 3"



**PRESSURE SUMMARY**

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

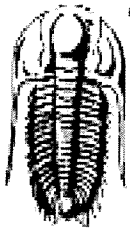
**Recovery**

Length (ft)	Description	Volume (bbl)
63.00	gocm 10%g 10%o 80%m	0.31
157.00	gocm 30%g 20%o 50%m	1.69
63.00	ocm 20%o 80%m	0.88
0.00	599 GIP	0.00

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65477

**DST#: 3**

ATTN: Andrew Stenzel

Test Start: 2016.06.29 @ 04:54:17

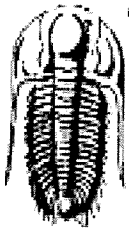
### Tool Information

Drill Pipe:	Length: 3841.00 ft	Diameter: 3.80 inches	Volume: 53.88 bbl	Tool Weight: 2000.00 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3964.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3938.00	
Shut In Tool	5.00			3943.00	
Hydraulic tool	5.00			3948.00	
Jars	5.00			3953.00	
Safety Joint	2.00			3955.00	
Packer	5.00			3960.00	27.00 Bottom Of Top Packer
Packer	4.00			3964.00	
Stubb	1.00			3965.00	
Recorder	0.00	8875	Inside	3965.00	
Recorder	0.00	8166	Outside	3965.00	
Perforations	18.00			3983.00	
Change Over Sub	1.00			3984.00	
Drill Pipe	32.00			4016.00	
Change Over Sub	1.00			4017.00	
Bullnose	5.00			4022.00	58.00 Bottom Packers & Anchor

**Total Tool Length: 85.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65477

**DST#: 3**

ATTN: Andrew Stenzel

Test Start: 2016.06.29 @ 04:54:17

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
63.00	gocm 10%g 10%o 80%m	0.310
157.00	gocm 30%g 20%o 50%m	1.692
63.00	ocm 20%o 80%m	0.884
0.00	599 GIP	0.000

Total Length: 283.00 ft

Total Volume: 2.886 bbf

Num Fluid Samples: 0

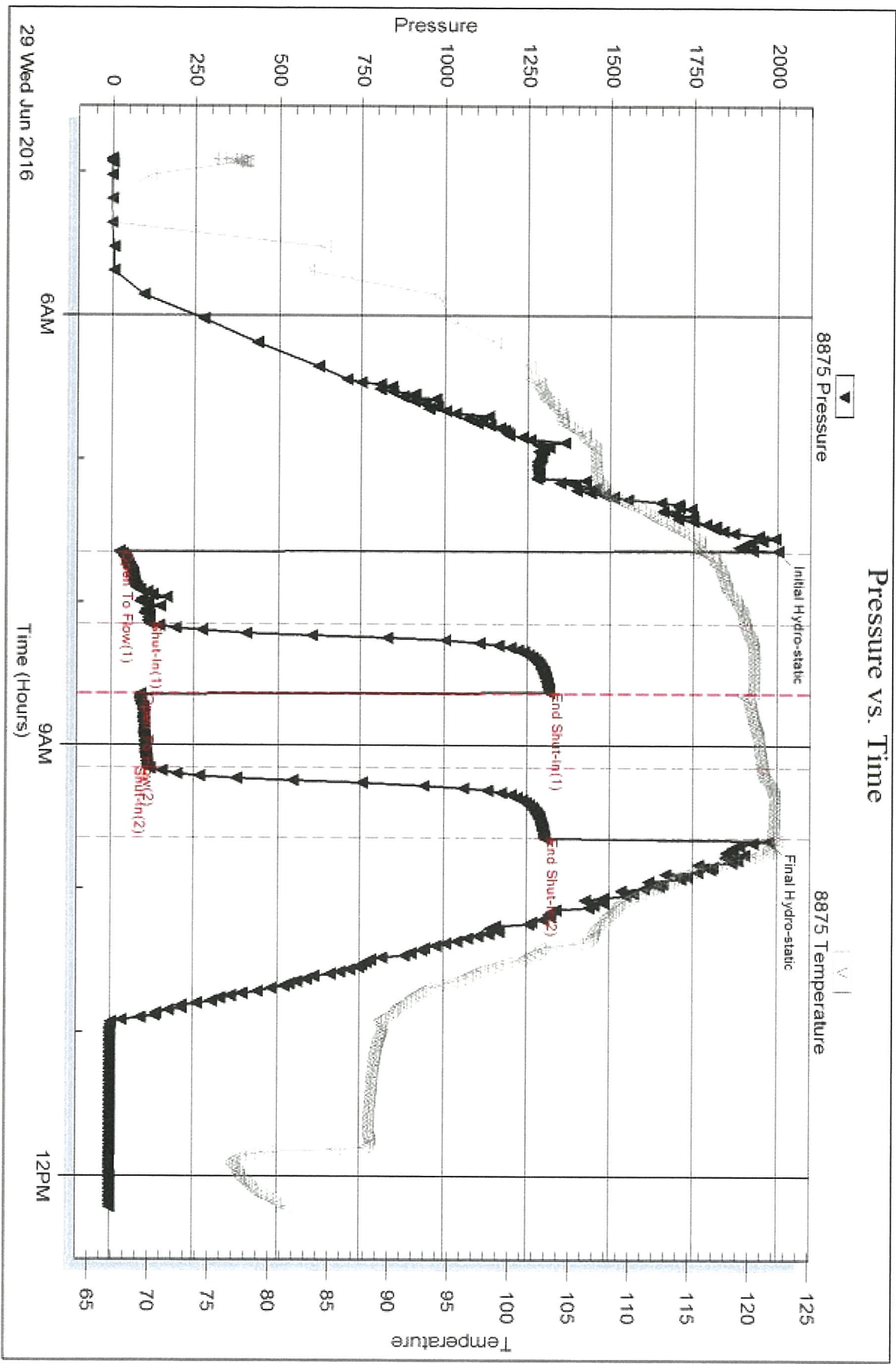
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

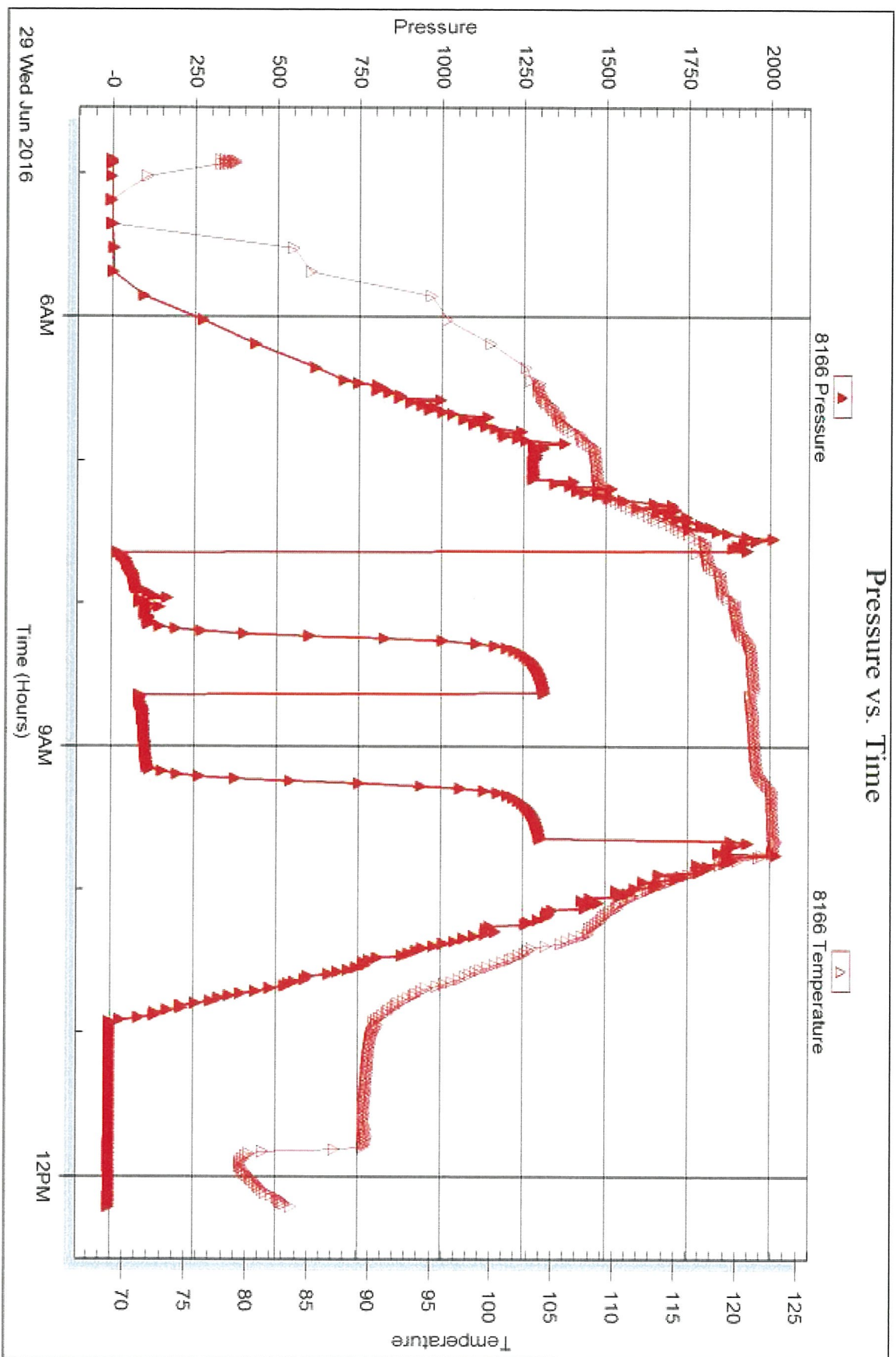


Serial #: 8166

Outside Palomino Petroleum

Herfinc #1

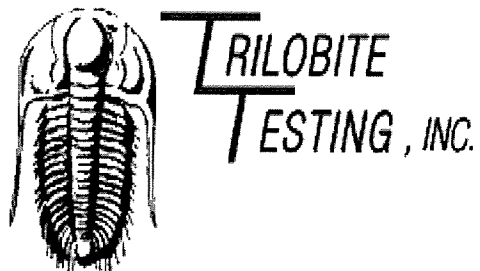
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 65477

Printed 2016 07 05 @ 09:42:06



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Herlinc #1**

### **2-14s-26w Gove,KS**

Start Date: 2016.06.29 @ 22:04:10

End Date: 2016.06.30 @ 07:24:40

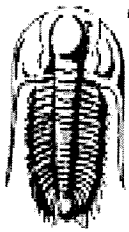
Job Ticket #: 65478                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.07.05 @ 09:41:19



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65478

**DST#: 4**

ATTN: Andrew Stenzel

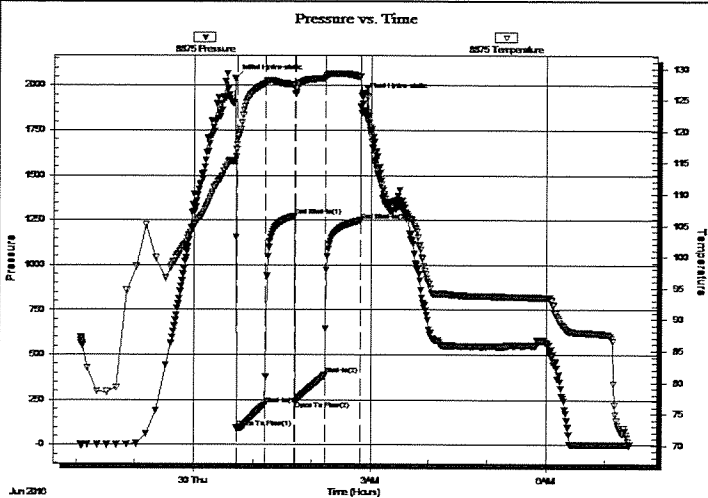
Test Start: 2016.06.29 @ 22:04:10

## GENERAL INFORMATION:

Formation: **LKC K**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 00:43:10  
 Tester: Brandon Turley  
 Time Test Ended: 07:24:40  
 Unit No: 79  
 Interval: **4018.00 ft (KB) To 4046.00 ft (KB) (TVD)**  
 Reference Elevations: 2503.00 ft (KB)  
 Total Depth: 4046.00 ft (KB) (TVD)  
 2494.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 9.00 ft

**Serial #: 8875** Inside  
 Press@RunDepth: 386.71 psig @ 4019.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.06.29 End Date: 2016.06.30 Last Calib.: 2016.06.30  
 Start Time: 22:04:15 End Time: 07:24:40 Time On Btm: 2016.06.30 @ 00:41:40  
 Time Off Btm: 2016.06.30 @ 02:51:10

TEST COMMENT: IF: BOB in 1 min.  
 IS: BOB in 3 min.  
 FF: BOB in 2 min.  
 FS: BOB in 5 min. Gas to surface



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2037.53	115.31	Initial Hydro-static
2	90.26	117.02	Open To Flow (1)
31	222.22	127.57	Shut-In(1)
60	1273.91	127.37	End Shut-In(1)
62	242.36	125.91	Open To Flow (2)
92	386.71	128.45	Shut-In(2)
128	1248.84	128.67	End Shut-In(2)
130	1935.84	125.93	Final Hydro-static

## Recovery

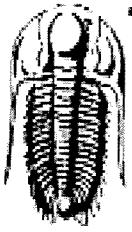
Length (ft)	Description	Volume (bbl)
63.00	gocm 10%g 10%o 80%m	0.31
63.00	mcgo 20%g 60%o 20%m	0.37
63.00	gocm 15%g 15%o 70%m	0.88
1016.00	go 30%g 70%o	14.25

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67114  
ATTN: Andrew Stenzel

2-14s-26w Gove,KS

Herlinc #1

Job Ticket: 65478

DST#: 4

Test Start: 2016.06.29 @ 22:04:10

### GENERAL INFORMATION:

Formation: LKC K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:43:10

Time Test Ended: 07:24:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4018.00 ft (KB) To 4046.00 ft (KB) (TVD)

Total Depth: 4046.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2503.00 ft (KB)

2494.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8166 Outside

Press@RunDepth: psig @ 4019.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.29

End Date:

2016.06.30

Last Calib.:

2016.06.30

Start Time: 22:04:23

End Time:

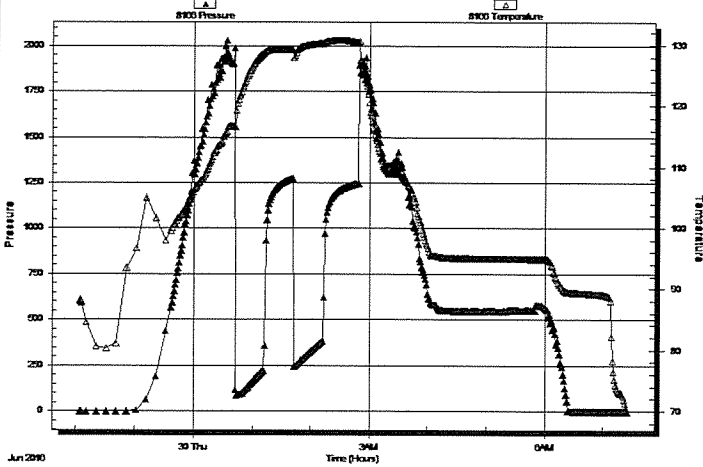
07:24:48

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB in 1 min.  
IS: BOB in 3 min.  
FF: BOB in 2 min.  
FS: BOB in 5 min. Gas to surface

Pressure vs. Time



### PRESSURE SUMMARY

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

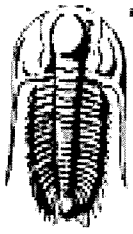
### Recovery

Length (ft)	Description	Volume (bbl)
63.00	gocm 10%g 10%o 80%m	0.31
63.00	mcgo 20%g 60%o 20%m	0.37
63.00	gocm 15%g 15%o 70%m	0.88
1016.00	go 30%g 70%o	14.25

\* 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

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65478

**DST#: 4**

ATTN: Andrew Stenzel

Test Start: 2016.06.29 @ 22:04:10

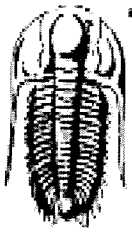
### Tool Information

Drill Pipe:	Length: 3904.00 ft	Diameter: 3.80 inches	Volume: 54.76 bbl	Tool Weight: 2000.00 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<b>Total Volume: 55.35 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4018.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3992.00	
Shut In Tool	5.00			3997.00	
Hydraulic tool	5.00			4002.00	
Jars	5.00			4007.00	
Safety Joint	2.00			4009.00	
Packer	5.00			4014.00	27.00 Bottom Of Top Packer
Packer	4.00			4018.00	
Stubb	1.00			4019.00	
Recorder	0.00	8875	Inside	4019.00	
Recorder	0.00	8166	Outside	4019.00	
Perforations	22.00			4041.00	
Bullnose	5.00			4046.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
Newton, KS 67114

**Herlinc #1**

Job Ticket: 65478

**DST#: 4**

ATTN: Andrew Stenzel

Test Start: 2016.06.29 @ 22:04:10

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5200.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	gocm 10%g 10%o 80%m	0.310
63.00	mcgo 20%g 60%o 20%m	0.374
63.00	gocm 15%g 15%o 70%m	0.884
1016.00	go 30%g 70%o	14.252

Total Length: 1205.00 ft      Total Volume: 15.820 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

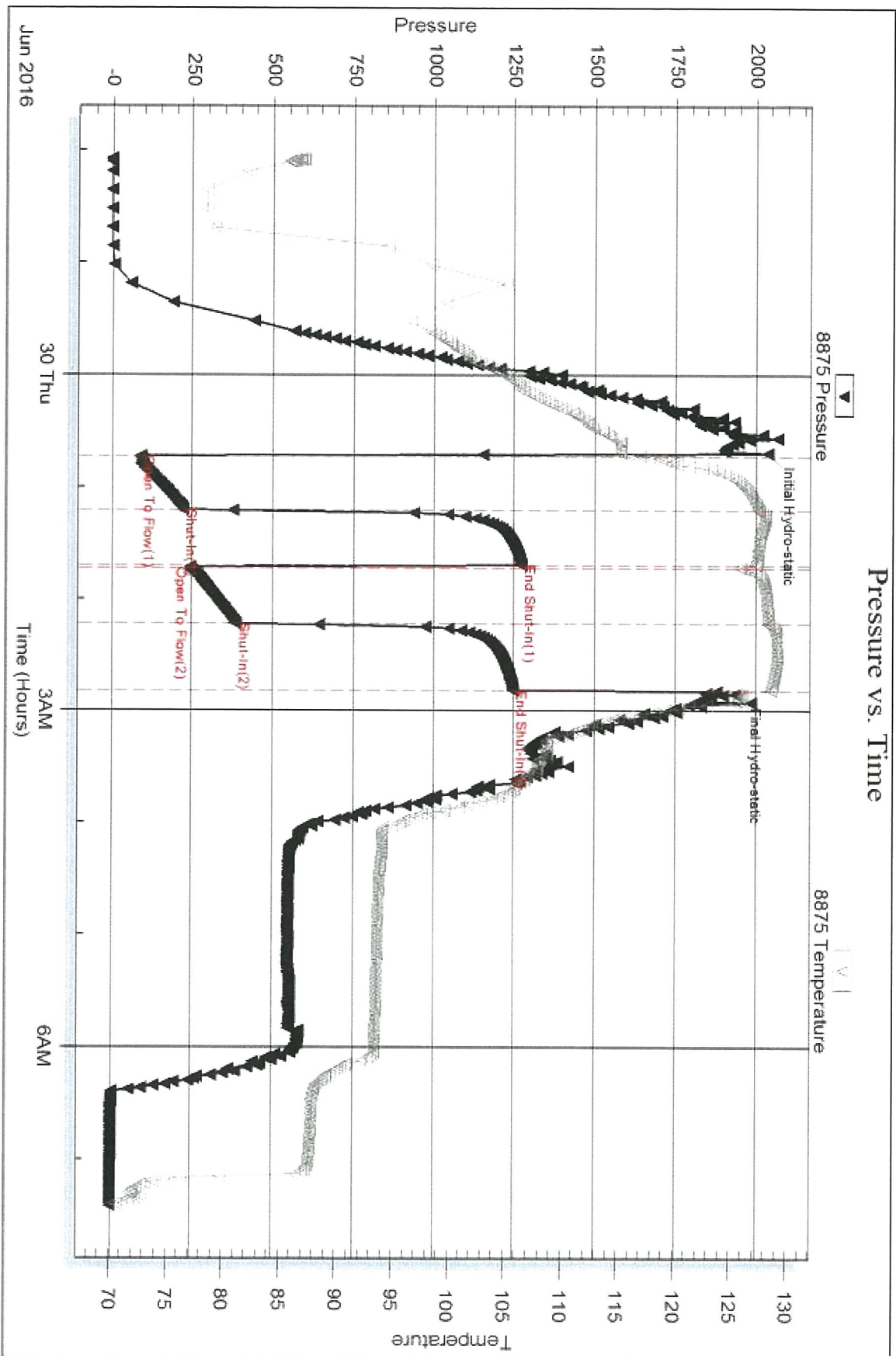
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 39@70=38

### Pressure vs. Time

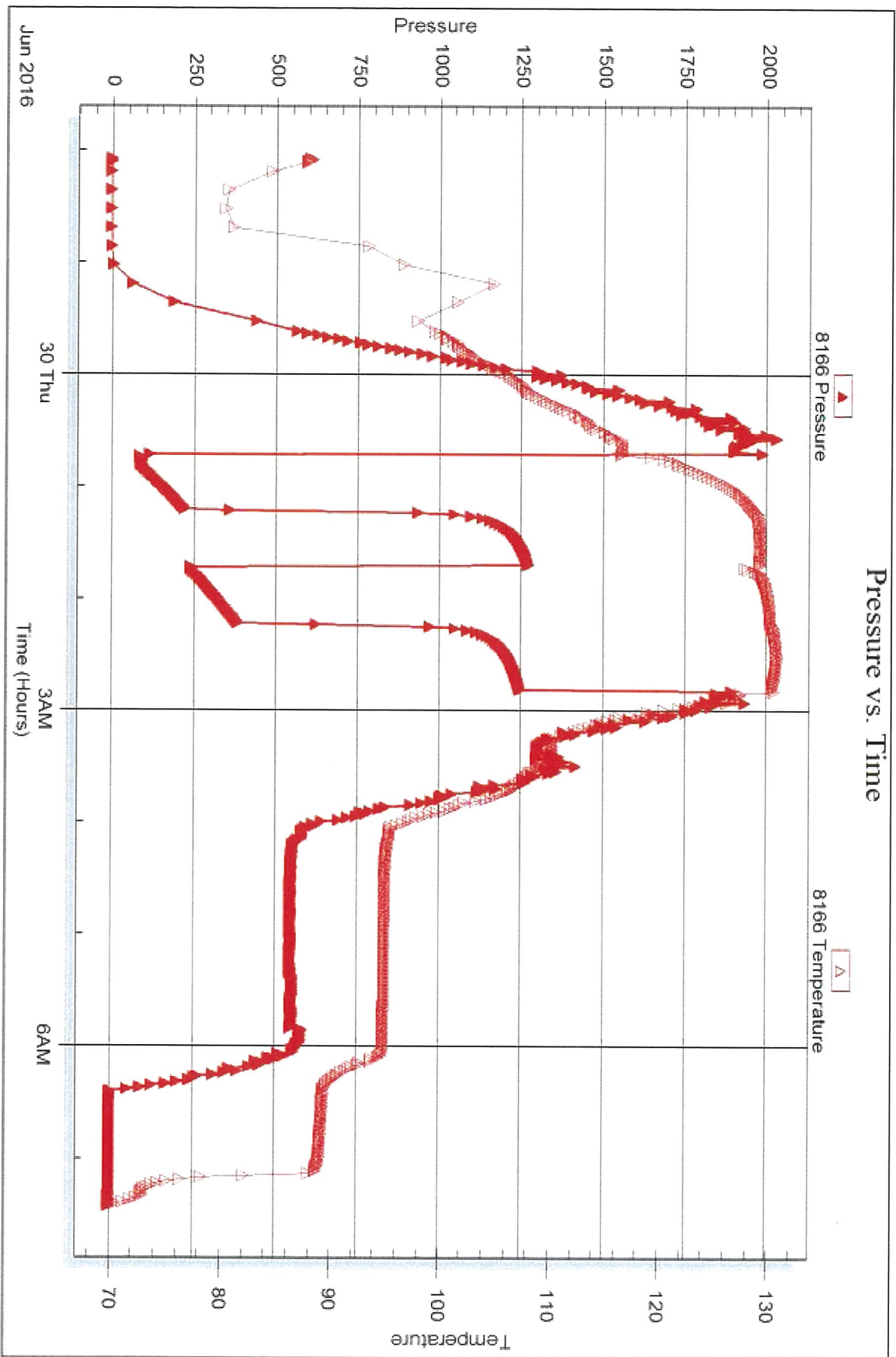


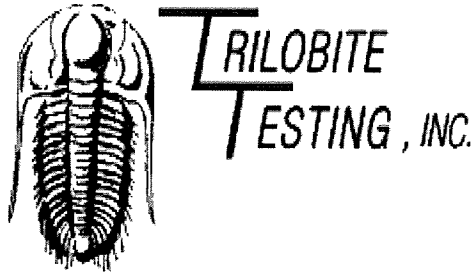
Serial #: 8166

Outside Palomino Petroleum

HerInc #1

DST Test Number: 4





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Herlinc #1**

#### **2-14s-26w Gove,KS**

Start Date: 2016.06.30 @ 16:37:26

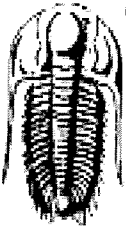
End Date: 2016.07.01 @ 00:19:56

Job Ticket #: 65479                      DST #: 5

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

Printed: 2016.07.05 @ 09:37:05

Palomino Petroleum  
2-14s-26w Gove,KS  
Herlinc #1  
DST # 5  
LKC L  
2016.06.30



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
Newton, KS 67114

**Herlinc #1**

Job Ticket: 65479

**DST#: 5**

ATTN: Andrew Stenzel

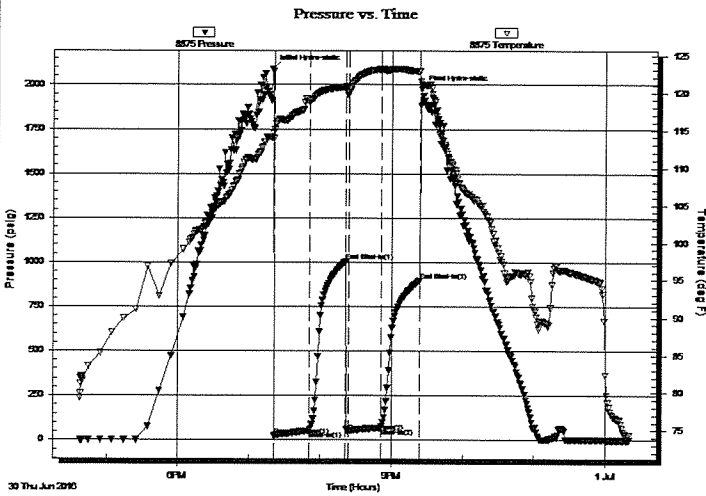
Test Start: 2016.06.30 @ 16:37:26

**GENERAL INFORMATION:**

Formation: **LKC L**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:21:26  
 Time Test Ended: 00:19:56  
 Interval: **4045.00 ft (KB) To 4074.00 ft (KB) (TVD)**  
 Total Depth: 4074.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 2503.00 ft (KB)  
 2494.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8875** Inside  
 Press@RunDepth: 67.94 psig @ 4046.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.06.30 End Date: 2016.07.01 Last Calib.: 2016.07.01  
 Start Time: 16:37:31 End Time: 00:19:55 Time On Btm: 2016.06.30 @ 19:19:56  
 Time Off Btm: 2016.06.30 @ 21:24:56

TEST COMMENT: IF: BOB in 9 mins.  
 IS: Surface blow died in 5 min.  
 FF: BOB in 5 mins.  
 FS: No return.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2090.16	114.09	Initial Hydro-static
2	21.18	113.94	Open To Flow (1)
31	49.41	118.87	Shut-In(1)
62	1005.08	120.76	End Shut-In(1)
64	47.22	119.88	Open To Flow (2)
91	67.94	123.08	Shut-In(2)
123	896.91	122.84	End Shut-In(2)
125	1974.08	121.11	Final Hydro-static

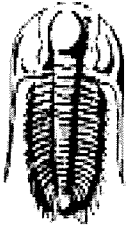
**Recovery**

Length (ft)	Description	Volume (bbl)
120.00	gocm 10%g 30%o 60%m	0.60
40.00	gocm 20%g 50%o 30%m	0.56
0.00	659 GIP	0.00

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

2-14s-26w Gove,KS

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65479

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2016.06.30 @ 16:37:26

### GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:21:26

Time Test Ended: 00:19:56

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4045.00 ft (KB) To 4074.00 ft (KB) (TVD)**

Total Depth: 4074.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2503.00 ft (KB)

2494.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **8166** Outside

Press@RunDepth: psig @ 4046.00 ft (KB)

Start Date: 2016.06.30

End Date: 2016.07.01

Capacity: 8000.00 psig

Last Calib.: 2016.07.01

Start Time: 16:37:08

End Time: 00:19:32

Time On Btm:

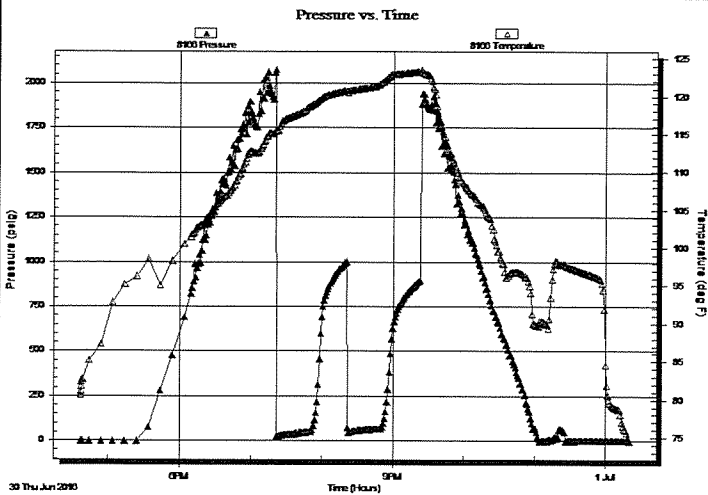
Time Off Btm:

TEST COMMENT: IF: BOB in 9 mins.

IS: Surface blow died in 5 min.

FF: BOB in 5 mins.

FS: No return.



### PRESSURE SUMMARY

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

### Recovery

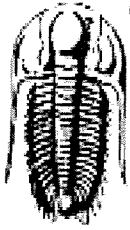
Length (ft)	Description	Volume (bbl)
120.00	gocm 10%g 30%o 60%m	0.60
40.00	gocm 20%g 50%o 30%m	0.56
0.00	659 GIP	0.00

\* 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

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65479

**DST#: 5**

ATTN: Andrew Stenzel

Test Start: 2016.06.30 @ 16:37:26

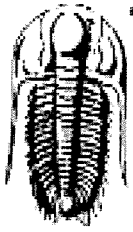
### Tool Information

Drill Pipe:	Length: 3904.00 ft	Diameter: 3.80 inches	Volume: 54.76 bbl	Tool Weight: 2000.00 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4045.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4019.00	
Shut In Tool	5.00			4024.00	
Hydraulic tool	5.00			4029.00	
Jars	5.00			4034.00	
Safety Joint	2.00			4036.00	
Packer	5.00			4041.00	27.00 Bottom Of Top Packer
Packer	4.00			4045.00	
Stubb	1.00			4046.00	
Recorder	0.00	8875	Inside	4046.00	
Recorder	0.00	8166	Outside	4046.00	
Perforations	23.00			4069.00	
Bullnose	5.00			4074.00	29.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**2-14s-26w Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Herlinc #1**

Job Ticket: 65479

**DST#: 5**

ATTN: Andrew Stenzel

Test Start: 2016.06.30 @ 16:37:26

## 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:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 10%g 30%o 60%m	0.599
40.00	gocm 20%g 50%o 30%m	0.561
0.00	659 GIP	0.000

Total Length: 160.00 ft

Total Volume: 1.160 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 36@70=35

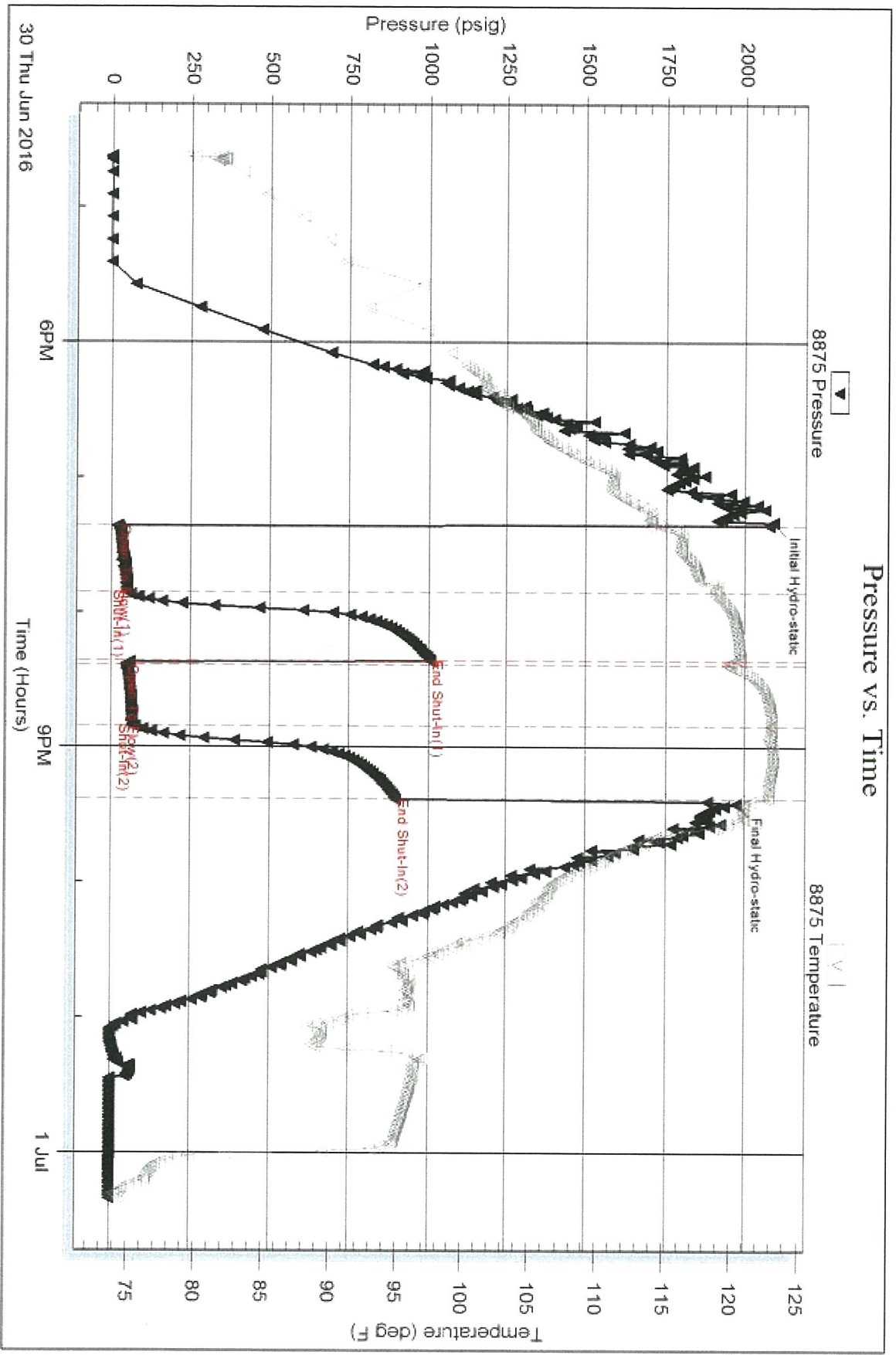
Serial #: 8875

Inside

Palominu Petroleum

Herrlic #1

DST Test Number: 5



Tribble Testing, Inc

Ref. No: 65479

Printed 2016 07 05 @ 09:37:06

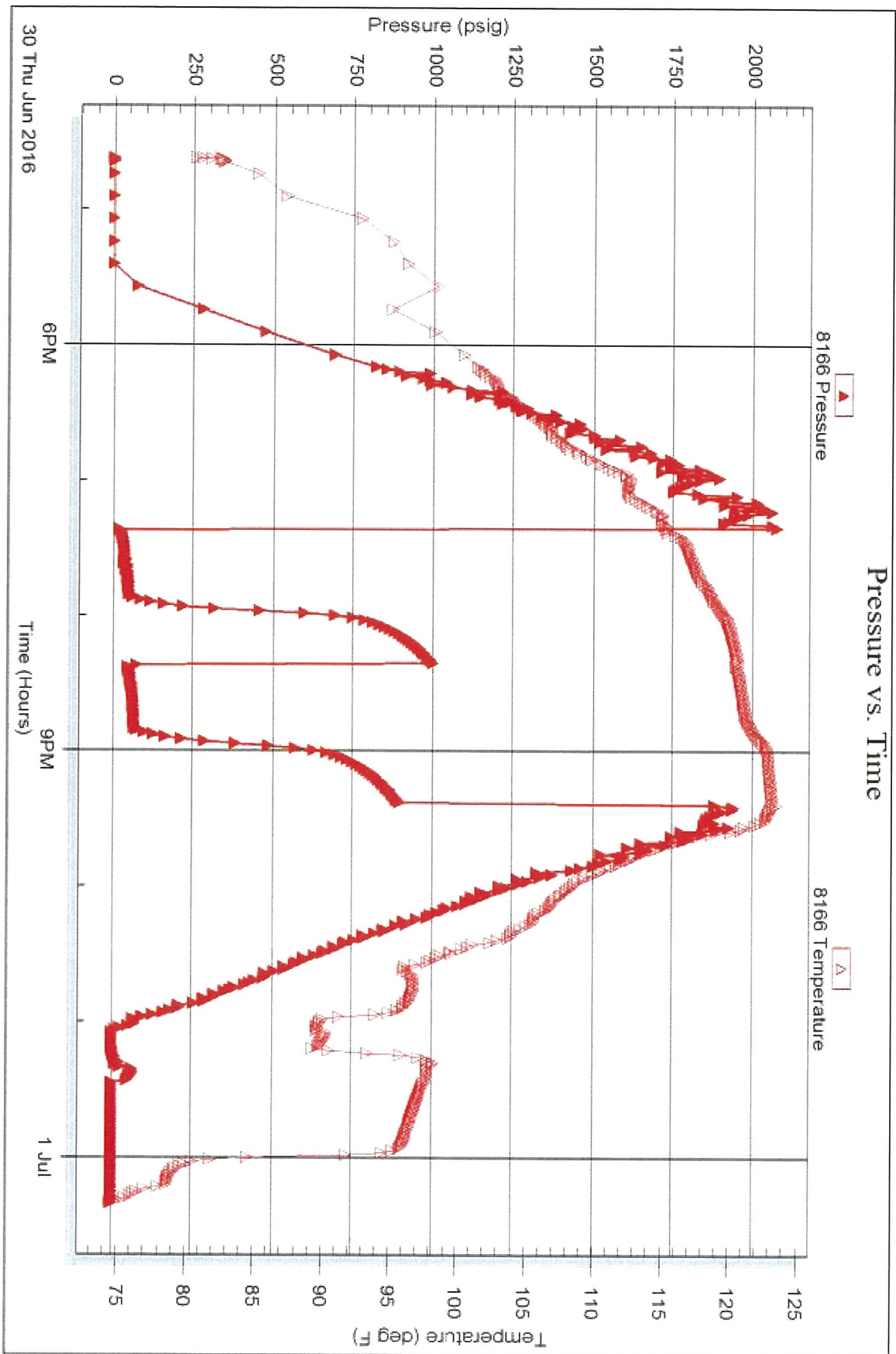
Serial #: 8166

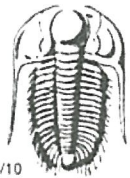
Outside

Palomino Petroleum

Well #1

DST Test Number: 5





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **64550**

Well Name & No. Herline #1 Test No. 1 Date 6-27-16  
 Company Palomino Petroleum Inc Elevation 2503 KB 2494 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Andrew Stenzel Rig WW #14  
 Location: Sec. 2 Twp. 14S Rge. 26W Co. Gove State KS

Interval Tested 3810 3832 Zone Tested Lensing  
 Anchor Length 22 Drill Pipe Run 3684 Mud Wt. 8.6  
 Top Packer Depth 3805 Drill Collars Run 119 Vis 45  
 Bottom Packer Depth 3810 Wt. Pipe Run — WL 7.8  
 Total Depth 3832 Chlorides 4900 ppm System LCM 3

Blow Description ±FI surface blow died in 11 mins.  
IS: No return.  
FF: No blow.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>WCM</u>		<u>20</u>	<u>80</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 120 Gravity — API RW .75 @ 92 ° F Chlorides 6000 ppm  
 (A) Initial Hydrostatic 1814  Test 1050 T-On Location 8:10  
 (B) First Initial Flow 19  Jars 250 T-Started 10:11  
 (C) First Final Flow 24  Safety Joint 75 T-Open 12:52  
 (D) Initial Shut-In 1174  Circ Sub NIL T-Pulled 14:52  
 (E) Second Initial Flow 26  Hourly Standby T-Out 17:40  
 (F) Second Final Flow 37  Mileage 140-124rt 93 Comments \_\_\_\_\_  
 (G) Final Shut-In 1147  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1821  Straddle \_\_\_\_\_

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

Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1468  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1468  
 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] 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. 65476

Well Name & No. Herline #1 Test No. 2 Date 6-28-76  
 Company Palomino Petroleum Elevation 2503 KB 2494 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Andrew Stenzel Rig WW #14  
 Location: Sec. 2 Twp. 145 Rge. 26W Co. 6000 State KS

Interval Tested 3933 3974 Zone Tested Lynsing H  
 Anchor Length 41 Drill Pipe Run 3810 Mud Wt. 9.2  
 Top Packer Depth 3928 Drill Collars Run 119 Vis 55  
 Bottom Packer Depth 3933 Wt. Pipe Run \_\_\_\_\_ WL 7.4  
 Total Depth 3974 Chlorides 5200 ppm System LCM 2  
 Blow Description IF: 1/4 blow BoB in 7 1/2 min.  
#5: weak blow died in 2 min.  
IF: 1/4 blow BoB in 10 1/2 min.  
FS! NO return.

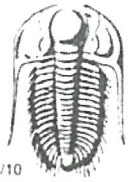
Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>	<u>100</u>			
<u>233</u>	<u>MW Dil spots</u>		<u>50</u>	<u>50</u>	
<u>252</u>	<u>MLW</u>		<u>80</u>	<u>20</u>	
<u>252</u>	<u>MLW</u>		<u>95</u>	<u>5</u>	

Rec Total 738 BHT 125 Gravity \_\_\_\_\_ API RW 125 @ 98 °F Chlorides 19,000 ppm  
 (A) Initial Hydrostatic 1966  Test 1050 T-On Location 9:30  
 (B) First Initial Flow 47  Jars 250 T-Started 9:55  
 (C) First Final Flow 214  Safety Joint 75 T-Open 12:23  
 (D) Initial Shut-In 1029  Circ Sub \_\_\_\_\_ T-Pulled 14:23  
 (E) Second Initial Flow 226  Hourly Standby \_\_\_\_\_ T-Out 17:28  
 (F) Second Final Flow 328  Mileage 140-93 Comments \_\_\_\_\_  
 (G) Final Shut-In 947  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1905  Straddle \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Packer \_\_\_\_\_  
 Final Shut-In 30  Extra Recorder \_\_\_\_\_  
 Sub Total 0  Day Standby \_\_\_\_\_  
 Total 1468  Accessibility \_\_\_\_\_  
 Sub Total 1468 MP/DST Disc't \_\_\_\_\_

Approved By Andrew Stenzel Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **65477**

Well Name & No. Herline #1 Test No. 3 Date 6-29-16  
 Company Perdomino Petroleum Elevation 2503 KB 2494 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Andrew Stenzel Rig WW #14  
 Location: Sec. 2 Twp. 143 Rge. 26W Co. 60E State KS

Interval Tested 3964 4022 Zone Tested Lmsing I-J  
 Anchor Length \_\_\_\_\_ Drill Pipe Run 3841 Mud Wt. 9.2  
 Top Packer Depth 3959 Drill Collars Run 119 Vis 55  
 Bottom Packer Depth 3964 Wt. Pipe Run \_\_\_\_\_ WL 7.2  
 Total Depth 4022 Chlorides 5200 ppm System LCM 2

Blow Description IF: BoB in 13 min.  
IS: Surface blow bled in 2 min.  
FF: BoB in 5 min.  
FS: Surface blow built to 3.

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>0CM</u>	<u>20</u>		<u>80</u>	
<u>157</u>	<u>90CM</u>	<u>30</u>	<u>20</u>	<u>50</u>	
<u>63</u>	<u>90CM</u>	<u>10</u>	<u>10</u>	<u>80</u>	
	<u>599 GIP</u>				

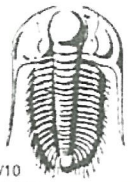
Rec Total 283 BHT 122 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2002  Test 1150 T-On Location 3:30  
 (B) First Initial Flow 25  Jars 250 T-Started 4:54  
 (C) First Final Flow 114  Safety Joint 75 T-Open 7:38  
 (D) Initial Shut-In 1315  Circ Sub NIL T-Pulled 9:38  
 (E) Second Initial Flow 88  Hourly Standby \_\_\_\_\_ T-Out 12:15  
 (F) Second Final Flow 112  Mileage 140- 93 Comments \_\_\_\_\_  
 (G) Final Shut-In 1303  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1977  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Shale Packer \_\_\_\_\_  
 Final Flow 30  Extra Packer \_\_\_\_\_  
 Final Shut-In 30  Extra Recorder \_\_\_\_\_  
 Sub Total 0  Day Standby \_\_\_\_\_  
 Total 1568  Accessibility \_\_\_\_\_  
 Sub Total 1568  Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative

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. **65478**

Well Name & No. Herline #1 Test No. 4 Date 6-29-16  
 Company Palmino Petroleum Elevation 2503 KB 299 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Andrew Stenzel Rig WW#14  
 Location: Sec. 2 Twp. 14S Rge. 26W Co. Gove State KS

Interval Tested 4018 4046 Zone Tested Lansing K  
 Anchor Length 28 Drill Pipe Run 3904 Mud Wt. 9.2  
 Top Packer Depth 4013 Drill Collars Run 119 Vis 53  
 Bottom Packer Depth 4088 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4046 Chlorides 5200 ppm System LCM 2

Blow Description IF: BoB in 1 min,  
IS: BoB in 3 min,  
FF: BoB in 2 min,  
FS: BoB in 5 min, 695 to surface.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1016</u>	<u>90</u>	<u>30</u>	<u>70</u>		
<u>63</u>	<u>90CM</u>	<u>15</u>	<u>15</u>	<u>70</u>	<u>70</u>
<u>63</u>	<u>1496</u>	<u>20</u>	<u>60</u>	<u>20</u>	<u>20</u>
<u>63</u>	<u>90CM</u>	<u>10</u>	<u>10</u>	<u>80</u>	<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1202 BHT 128 Gravity 38 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2037  Test 1150 T-On Location 21:00  
 (B) First Initial Flow 90  Jars 250 T-Started 22:04  
 (C) First Final Flow 222  Safety Joint 75 T-Open 00:43  
 (D) Initial Shut-In 1273  Circ Sub 50.00 T-Pulled 2:43  
 (E) Second Initial Flow 243  Hourly Standby \_\_\_\_\_ T-Out 7:25  
 (F) Second Final Flow 386  Mileage 140-93 Comments \_\_\_\_\_  
 (G) Final Shut-In 1248  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1935  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1618  
 Sub Total 1618 MP/DST Disc't \_\_\_\_\_

Approved By LA King 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. **65479**

Well Name & No. Herline #1 Test No. 5 Date 6-30-16  
 Company Palomino Petroleum Elevation 2503 KB 2494 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Andrew Stenzel Rig NW #14  
 Location: Sec. 2 Twp. 14S Rge. 26W Co. Gove State KS

Interval Tested 4045 4074 Zone Tested Lansing L  
 Anchor Length 29 Drill Pipe Run 3904 Mud Wt. 9.1  
 Top Packer Depth 4040 Drill Collars Run 119 Vis 54  
 Bottom Packer Depth 4045 Wt. Pipe Run \_\_\_\_\_ WL 7.8  
 Total Depth 4074 Chlorides 5200 ppm System LCM 2

Blow Description IF: BoB in 9 min.  
FS: Surface blow died in 5 min.  
FF: BoB in 5 min.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>90CM</u>	<u>20</u>	<u>50</u>	<u>30</u>	
<u>120</u>	<u>90CM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of <u>659 GIP</u>	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 160 BHT 122 Gravity 35 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2090  Test 1150 T-On Location 16:10  
 (B) First Initial Flow 21  Jars 250 T-Started 16:37  
 (C) First Final Flow 49  Safety Joint 75 T-Open 19:21  
 (D) Initial Shut-In 1005  Circ Sub NIC T-Pulled 21:21  
 (E) Second Initial Flow 48  Hourly Standby \_\_\_\_\_ T-Out 00:20  
 (F) Second Final Flow 67  Mileage 140 - 93 + 93 Comments logged 7-2-16  
 (G) Final Shut-In 896  Sampler \_\_\_\_\_ At 6:30 P.M.  
 (H) Final Hydrostatic 1974  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 30  Day Standby 1.5d 6.25h  Accessibility \_\_\_\_\_ Sub Total 800  
 Total 1911 + 800  
 MP/DST Disc't \_\_\_\_\_

Approved By Andrew Stenzel 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.