

# SWIFT



*Services, Inc.*

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



RECEIVED

NOV 04 2014

## Invoice

DATE	INVOICE #
10/31/2014	26956

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	Bixenman	Sheridan		Oil	Development	Cement Port Collar	Don

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	6.00	480.00
576D-D	Pump Charge - Port Collar - 2394 Feet	1	Job	1,500.00	1,500.00
290	D-Air	2	Gallon(s)	42.00	84.00T
105	5 1/2" Port Collar Tool Rental With Man	1	Each	350.00	350.00T
330	Swift Multi-Density Standard (MIDCON II)	200	Sacks	18.50	3,700.00T
276	Flocele	50	Lb(s)	2.50	125.00T
581D	Service Charge Cement	300	Sacks	2.00	600.00
583D	Drayage	1,194.12	Ton Miles	1.00	1,194.12
	Subtotal				8,033.12
	Sales Tax Sheridan County			8.15%	347.11

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$8,380.23
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Services, Inc.

CHARGE TO: *Palomino Petroleum*

TICKET 26956

ADDRESS  
CITY, STATE, ZIP CODE

PAGE 1 OF 1

1. SERVICE LOCATIONS <i>Higgs, KS</i>	WELL/PROJECT NO. <i>#1</i>	LEASE <i>Bixenman</i>	COUNTY/PARISH <i>Sheridan</i>	STATE <i>KS</i>	CITY	DATE <i>10-31-14</i>	OWNER
2. <i>Ness City, KS</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <i>D-1</i>	WELL CATEGORY <i>Wildcat</i>	JOB PURPOSE <i>Cement Bit Collar</i>	WELL PERMIT NO.		WELL LOCATION	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>@ 2394'</i>						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
<i>575</i>					MILEAGE #113	<i>80</i>	<i>mi</i>		<i>600</i>	<i>48000</i>
<i>576 D</i>					<i>Pump Charge - curt Bit Collar</i>	<i>1 ea</i>		<i>2394 ft</i>	<i>150000</i>	<i>150000</i>
<i>280</i>					<i>D-Air</i>	<i>2 gal</i>			<i>4200</i>	<i>8400</i>
<i>105</i>					<i>Bit Collar Tool Rested w/ man</i>	<i>1 ea</i>		<i>5 1/2 in</i>	<i>35000</i>	<i>35000</i>
<i>330</i>					<i>SWD Cement</i>	<i>800</i>	<i>SKS</i>		<i>1850</i>	<i>370000</i>
<i>276</i>					<i>Fluore</i>	<i>50</i>	<i>lbs</i>		<i>250</i>	<i>12500</i>
<i>581</i>					<i>Service Charge - Cement</i>	<i>300</i>	<i>SKS</i>	<i>29853</i>	<i>100</i>	<i>60000</i>
<i>583</i>					<i>Drillage</i>	<i>1194</i>	<i>ft</i>	<i>80</i>	<i>mi</i>	<i>119412</i>

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.

REMIT PAYMENT TO:

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

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

DATE SIGNED: *10-31-14* TIME SIGNED: *10:30*

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

PAGE TOTAL *803312*

TOTAL *8380*

*Sheridan TAX 8.15%*

SWIFT OPERATOR: *For Ferrara* 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 11-31-14 PAGE NO. 7

CUSTOMER Felimonio Rodriguez WELL NO. #1 LEASE BIXENMAN JOB TYPE Cement Port Collar TICKET NO. 26956

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	10:30					2 3/8	5 1/2	DN location - 300 SKS 8MD CMT Set up Tks
								P.C. @ 2394'
	11:00					1000	1000	1st closed - OK
		3				8	500	inj rate
	11:10						C	Hook to 2 3/8" Hg
		3	5			650		H2O ahead - Hase cir
		3				600		Start 5MD cut @ 11.2 #/gal
		3				300		@ 175 SKS cut cir - increase to 13 #/gal
		3				200		for 25 SKS.
		3				200		Fin cut - Displ 8 BBI H2O
		3				700		Finish Displ - Close in
						1100	1100	Close P.C. & test - OK
								Run 5 Jts
		3				300		Rev-out 2 flags - clear
			30			200		Fin Rev-out
	12:30							Job Complete
								Wash up & Reelup Tks
								175 SKS @ 11.2 #/gal to cir
								25 SKS @ 13 #/gal - tail end
								300 SKS 8MD cut used
	12:45							Thanks Ron, Tom, Steve & Jarred



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



RECEIVED

OCT 29 2014

# Invoice

DATE	INVOICE #
10/24/2014	26930

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	Bixenman	Sheridan	WW Drilling #10	Oil	Development	5-1/2" LongString	Wayne
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-L	Pump Charge - Long String - 4650 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
403-5	5 1/2" Cement Basket				2	Each	300.00	600.00T
404-5	5 1/2" Port Collar - Top Joint #54 - 2396 Feet				1	Each	2,900.00	2,900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				12	Each	90.00	1,080.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.50	2,312.50T
276	Flocele				56	Lb(s)	2.50	140.00T
283	Salt				500	Lb(s)	0.20	100.00T
284	Calseal				5	Sack(s)	35.00	175.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
290	D-Air				5	Gallon(s)	42.00	210.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				916.24	Ton Miles	1.00	916.24
	Subtotal							14,113.74
	Sales Tax Sheridan County						8.15%	877.55

**We Appreciate Your Business!**

**Total**

\$14,991.29



Services, Inc.

CHARGE TO: **Palomar Petroleum Inc**

ADDRESS

CITY, STATE, ZIP CODE

TICKET 26930

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <b>Ness City, KS</b>	<b>#1</b>	<b>BEXLEYMAN</b>	<b>SHERMAN</b>	<b>Ks</b>	<b>LOCARDA</b>	<b>10-24-14</b>	<b>SAGE</b>
TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	WELL LOCATION	
<input checked="" type="checkbox"/> SERVICE	<b>W W Dale #10</b>		<b>CT</b>	<b>LOCARDA</b>		<b>W W / General, Ks</b>	
<input type="checkbox"/> SALES		WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.			
		<b>OR</b>	<b>Development</b>	<b>5 1/2" LOCKSTRINGS</b>			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.		
575		1			MILEAGE # 115	80	MI		6.00	480.00
578		1			PUMP CHANGE	1	TRUCK	4650	17	1500.00
221		1			LIQUID KIL	4	GALE		25.00	100.00
281		1			MUDFLUSH	500	GALE		1.25	625.00
403		1			CONSIST BASKETS	2	EA	5 1/2"	300.00	600.00
404		1			POST COVER TOP ST # 54	1	EA	2396	17	2900.00
406		1			LATCH DOWN RING + BATTLE	1	EA		275.00	275.00
407		1			TRUSSER FLOAT SHADE W/AUTO FILL	1	EA		375.00	375.00
409		1			TURBOCHARGERS	12	EA		90.00	1080.00
419		1			ROTARY HEAD RENTAL	1	TRUCK		200.00	200.00

**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

DATE SIGNED: **10-24-14** TIME SIGNED: **0830**

SWIFT OPERATOR: **Wayne Whison** APPROVAL: \_\_\_\_\_

REMIT PAYMENT TO:

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

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?
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PAGE TOTAL #1	8135.00
PAGE TOTAL #2	5978.74
TOTAL	14,991.20

Thank You!

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



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

TICKET CONTINUATION

TICKET No. 26930

CUSTOMER: **Palomino Petroleum Inc.** WELL: **BRICKMAN** # **1** DATE: **10-24-14** PAGE: **2** OF: **2**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M		
325						STANDARD COMBAT	100	SKS	14.50	1450.00
330						SWIFT MUTE DENSITY STANDARD	125	SKS	18.50	2312.50
276						FIDOCALC	56	lbs	2.50	140.00
283						SALT	500	lbs	20	100.00
284						CAUSEW	5	SKS	35.00	175.00
285						CFR-1	50	lbs	4.50	225.00
290						D-ARR	5	gal	42.00	210.00
581						SERVICE CHARGE			2.00	450.00
583						MILEAGE CHARGE	22906	TON MILES	1.00	916.24
						LOADED MILES	80			
						CUBIC FEET	225			
						TON MILES	916.24			

CONTINUATION TOTAL **\$978.74**

JOB LOG

SWIFT Services, Inc.

DATE 10-24-14 PAGE NO. 1

CUSTOMER  
PALOMINO Petroleum

WELL NO. #1

LEASE BIXENMAN

JOB TYPE  
5 1/2" LONGSTRENG

TICKET NO.  
26930

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							ON LOCATION
	0900							START 5 1/2" CASING IN WELL
								TD-4650 SET = 4648
								TP-4651 5 1/2" 14
								ST-43
								TURBOLOGS-1, 3, 5, 7, 9, 11, 12, 14, 15, 16, 18, 53
								CMT BSKTS-2, 54
								PORT COLLAR-2396 TOP JT #54
	1120							DROP BALL - CIRCULATE ROTATE
	1220	6	12		✓	450		PUMP 500 GAL MUDFLUSH
	1222	6	20		✓	450		PUMP 20 BBS KCL-FLUSH
	1228		7					PLUG RH (30SKS)
	1232	4 1/2	36		✓	300		MAX CEMENT - 95 SKS SMD @ 12.5 PPG
		4	24		✓	175		100 SKS FA2 @ 15.5 PPG
	1243							WASH OUT PUMP - LEVES
	1243							RELEASE LATCH DOWN PLUG
	1247	7	0		✓			DISPLACE PLUG (1ST TANK KCL WATER)
		7	105			750		
	1305	6	112.4			1500		PLUG DOWN - PSE UP LATCH IN PLUG
	1310					OK		RELEASE PSE - HEAD
								WASH TRUCK
	1400							JOB COMPLETE

THANK YOU  
WAYNE, JASON R., PRESTON



RECEIVED

OCT 25 2014

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 146419

Invoice Date: Oct 15, 2014

Page: 1

Voice: (817) 546-7282

Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

<b>Bill To:</b>
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	63775	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Oct 15, 2014	11/14/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Bixenman #1		
185.00	CEMENT MATERIALS	Class A Common	17.90	3,311.50
348.00	CEMENT MATERIALS	Gel	0.50	174.00
522.00	CEMENT MATERIALS	Chloride	1.10	574.20
200.06	CEMENT SERVICE	Cubic Feet Charge	2.48	496.15
273.90	CEMENT SERVICE	Ton Mileage Charge	2.75	753.23
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
30.00	CEMENT SERVICE	Pump Truck Mileage	7.70	231.00
30.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	132.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

Subtotal	7,184.33
Sales Tax	330.87
Total Invoice Amount	7,515.20
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,515.20</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1,436.86

ONLY IF PAID ON OR BEFORE  
Nov 14, 2014



# ALLIED OIL & GAS SERVICE, LLC 063775

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT  
*Over Kelly Hwy*

DATE <i>10/15/14</i>	SEC. <i>14</i>	TWP. <i>10</i>	RANGE <i>29</i>	CALLED OUT	ON LOCATION	JOB START <i>5:00</i>	JOB FINISH <i>5:30</i>
<i>Driven man</i> LEASE	WELL# <i>1</i>	LOCATION <i>Grain Field 200 N N 100</i>		COUNTY <i>Spicer</i>	STATE <i>Ks</i>		
OLD OR NEW (Circle one) <i>NEW</i>		<i>1W 3195 Finto</i>					

CONTRACTOR *WV 10* OWNER *Same*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *257.33* CEMENT AMOUNT ORDERED *185 Con 300 CC*

CASING SIZE *8 5/8* DEPTH *257*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15*

PERFS.

DISPLACEMENT *15,445*

EQUIPMENT

PUMP TRUCK CEMENTER *Alan Ryan*  
# *986281* HELPER *David Ryan*  
BULK TRUCK  
# *891* DRIVER *Grant (TWS)*  
BULK TRUCK  
# DRIVER

COMMON *185* @ *17.90* *3311.00*  
POZMIX @  
GEL *348.16* @ *1.00* *348.16*  
CHLORIDE *522* @ *1.12* *584.64*  
ASC @

*Material Total* @ *4059.70*

*(811.94/20%)*

HANDLING *200* @ *2.10* *420.00*  
MILEAGE *25* @ *9.13* *228.25*

TOTAL

REMARKS:

*Run Casing Circularity Mix Cement Displace Cement  
5 feet in*

*Cement did Circulate*

*Frank Ryan  
Alan, David, Grant*

CHARGE TO: *Palming Petroleum*  
STREET  
CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *1512.25*

EXTRA FOOTAGE @

MILEAGE *30* miles @ *7.20* *216.00*

MANIFOLD @

*City Vehicle 30* @ *4.90* *1470.00*

*(624.92/20%)*

TOTAL *3,124.63*

PLUG & FLOAT EQUIPMENT

@  
@  
@  
@  
@

TOTAL

To: Allied Oil & Gas Services, LLC.  
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 *JD Halliger*

SIGNATURE *[Signature]*

SALES TAX (if Any)

TOTAL CHARGES *7,184.33*

DISCOUNT *1,436.86 (20%)* IF PAID IN 30 DAYS

*5,747.46 Net*



# TRILLOBITE TESTING, INC

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St.  
New ton, KS 67114

ATTN: Ryan Seib

**Sec. 14-10s-29w Sheridan, KS**

**Bixeman #1**

Job Ticket: 60712

**DST#: 1**

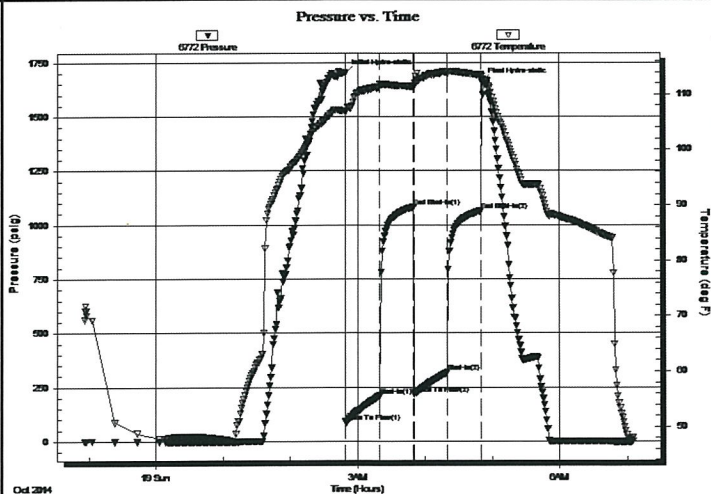
Test Start: 2014.10.18 @ 22:56:00

### GENERAL INFORMATION:

Formation: **Howard-Topeka**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 02:49:15 Tester: Phillip Gage  
 Time Test Ended: 07:04:45 Unit No: 72  
 Interval: **3524.00 ft (KB) To 3745.00 ft (KB) (TVD)** Reference Elevations: 2821.00 ft (KB)  
 Total Depth: 3745.00 ft (KB) (TVD) 2816.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

**Serial #: 6772 Outside**  
 Press@RunDepth: 319.60 psig @ 3530.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.10.18 End Date: 2014.10.19 Last Calib.: 2014.10.19  
 Start Time: 22:56:05 End Time: 07:04:44 Time On Btm: 2014.10.19 @ 02:48:45  
 Time Off Btm: 2014.10.19 @ 04:50:45

**TEST COMMENT:** 30-IF-BOB in 6 mins  
 30-ISI-No Return  
 30-FF-BOB in 12 mins  
 30-FSI-No Return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.47	107.01	Initial Hydro-static
1	89.88	106.78	Open To Flow (1)
31	210.58	111.77	Shut-In(1)
61	1081.94	111.40	End Shut-In(1)
62	218.88	111.34	Open To Flow (2)
91	319.60	114.00	Shut-In(2)
121	1064.50	113.50	End Shut-In(2)
122	1659.49	113.28	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
315.00	SWCM, 10%w, 90%m	3.29
315.00	M, 100%m	4.42

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
New ton, KS 67114

**Bixeman #1**

Job Ticket: 60712

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2014.10.18 @ 22:56:00

### 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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	SWCM, 10%w , 90%m	3.289
315.00	M, 100%m	4.419

Total Length: 630.00 ft

Total Volume: 7.708 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

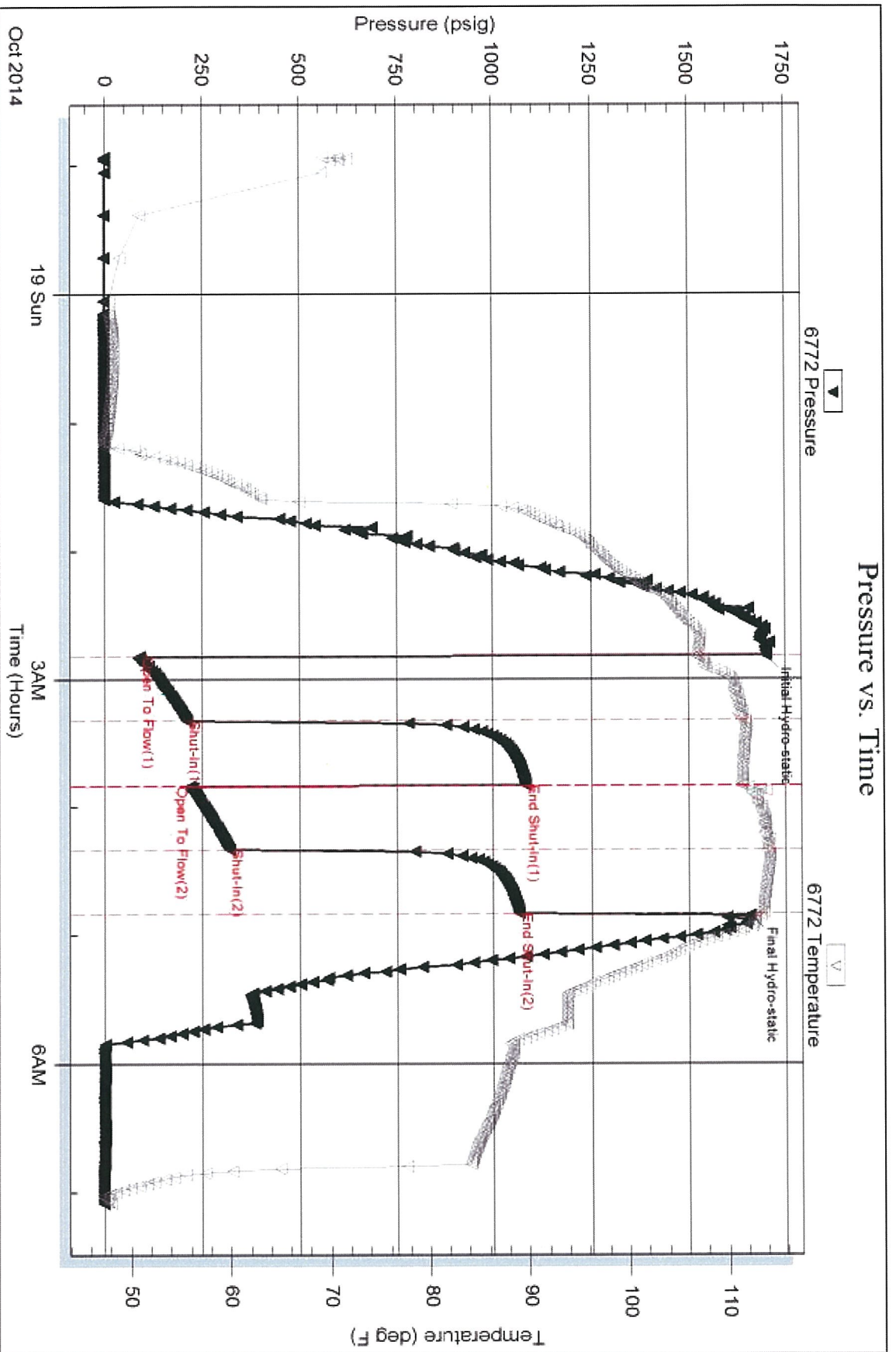
Recovery Comments:

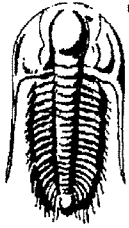
Serial #: 6772

Outside Palomino Petroleum, Inc

Blkeman #1

DST Test Number: 1





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, KS 67114  
ATTN: Ryan Seib

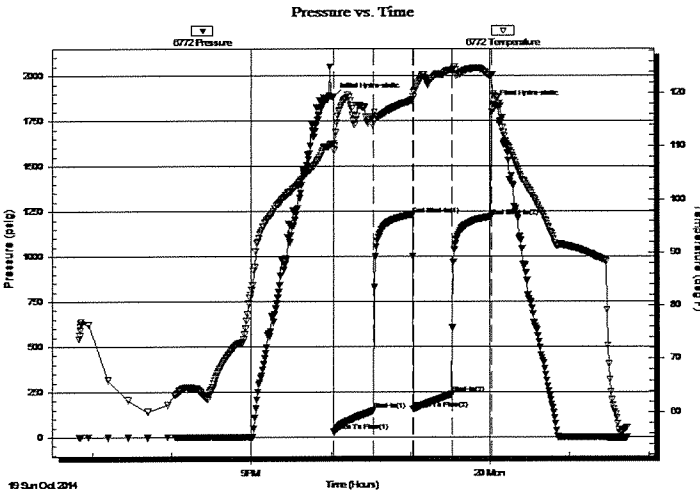
**Sec. 14-10s-29w Sheridan, KS**  
**Bixeman #1**  
Job Ticket: 60713      **DST#: 2**  
Test Start: 2014.10.19 @ 18:50:00

## GENERAL INFORMATION:

Formation: **Toronto**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 22:02:00  
Time Test Ended: 01:43:15  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Phillip Gage  
Unit No: 72  
Interval: **3898.00 ft (KB) To 3945.00 ft (KB) (TVD)**  
Reference Elevations: 2821.00 ft (KB)  
Total Depth: 3945.00 ft (KB) (TVD)      2816.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Poor      KB to GR/CF: 5.00 ft

**Serial #: 6772      Outside**  
Press@RunDepth: 237.28 psig @ 3904.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.10.19      End Date: 2014.10.20      Last Calib.: 2014.10.20  
Start Time: 18:50:05      End Time: 01:43:14      Time On Btm: 2014.10.19 @ 22:01:45  
Time Off Btm: 2014.10.20 @ 00:02:30

TEST COMMENT: 30-IF-BOB in 15 mins  
30-ISI-No Return  
30-FF-BOB in 19 mins  
30-FSI-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.05	110.43	Initial Hydro-static
1	29.56	109.23	Open To Flow (1)
30	149.12	115.54	Shut-In(1)
60	1232.15	118.74	End Shut-In(1)
61	155.18	119.21	Open To Flow (2)
90	237.28	124.16	Shut-In(2)
120	1221.02	123.40	End Shut-In(2)
121	1841.16	119.81	Final Hydro-static

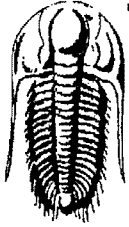
## Recovery

Length (ft)	Description	Volume (bbl)
30.00	HMCW, 40%m, 60%w	0.15
441.00	VSGMCW, 5%g, 20%m, 75%w	5.33

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
New ton, KS 67114

**Bixeman #1**

Job Ticket: 60713

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2014.10.19 @ 18:50:00

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 41.00 sec/qt  
Water Loss: 6.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2200.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: deg API  
Water Salinity: 17000 ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	HMCW, 40%m, 60%w	0.148
441.00	VSGMCW, 5%g, 20%m, 75%w	5.330

Total Length: 471.00 ft      Total Volume: 5.478 bbl

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

Laboratory Name:      Laboratory Location:

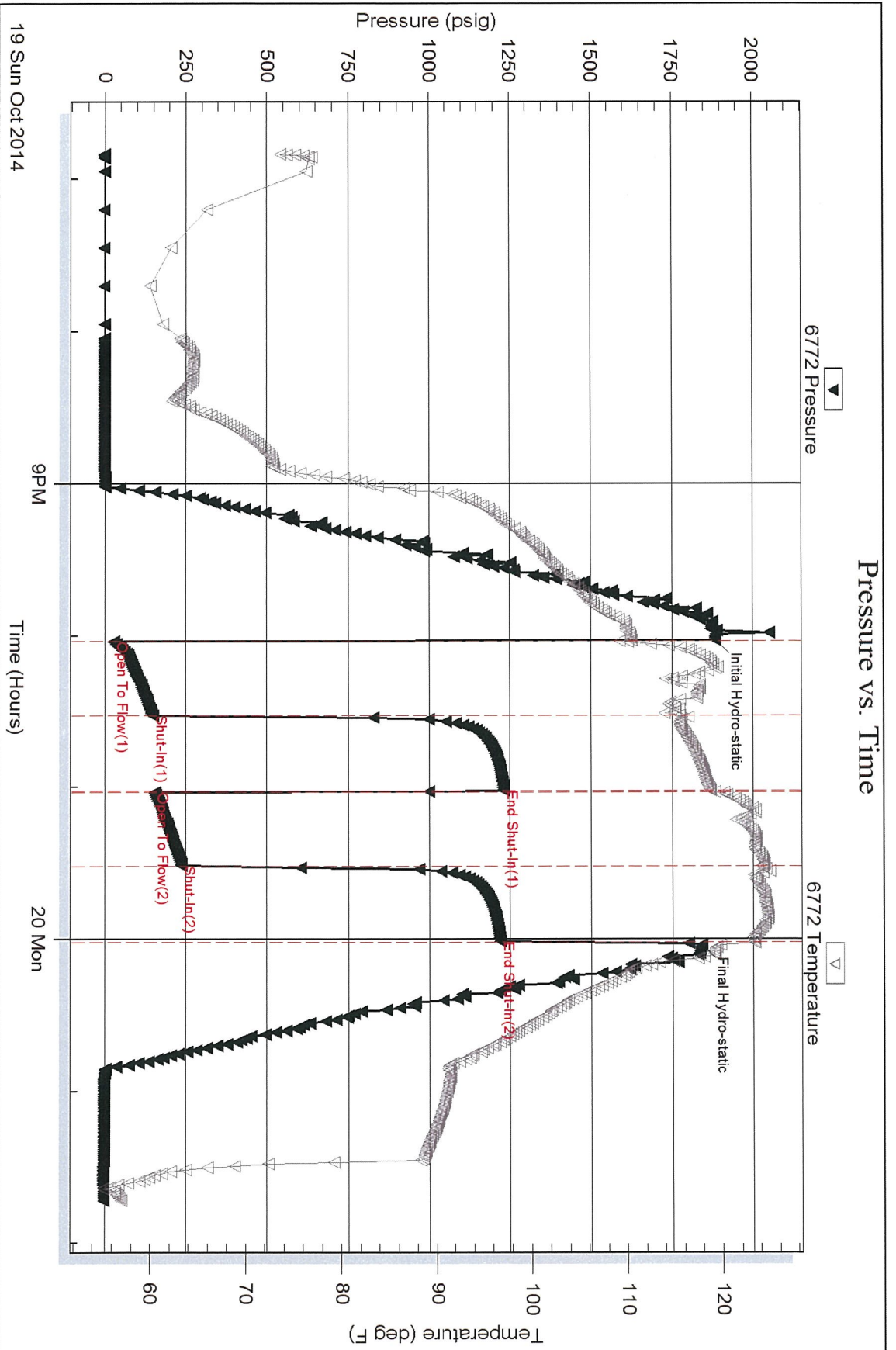
Recovery Comments: .6 @ 47 degrees = 17,000 Salinity

Serial #: 6772

Outside Palomino Petroleum, Inc

Bixeman #1

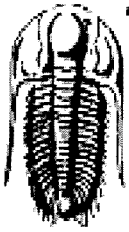
DST Test Number: 2



Trilobe Testing, Inc

Ref. No: 60713

Printed: 2014.10.20 @ 06:35:42



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
 4924 SE 84th St.  
 Newton, KS 67114  
 ATTN: Ryan Seib

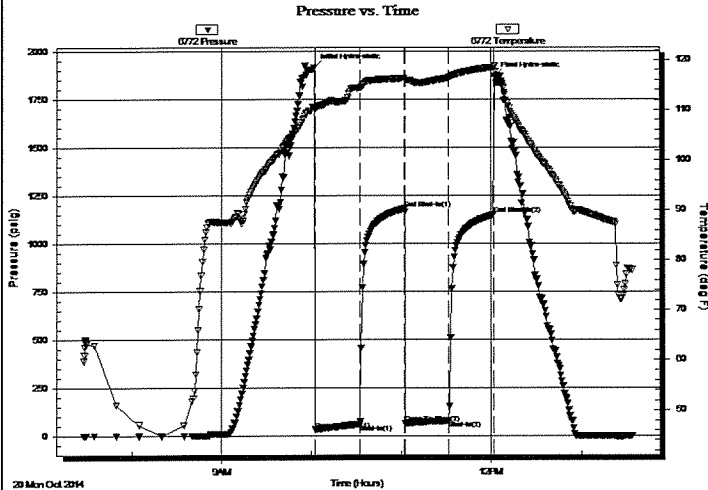
**Sec. 14-10s-29w Sheridan, KS**  
**Bixeman #1**  
 Job Ticket: 60714      **DST#: 3**  
 Test Start: 2014.10.20 @ 07:28:00

## GENERAL INFORMATION:

Formation: **Lansing "A-C"**  
 Deviated: No      Whipstock:      ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 10:02:15      Tester: Phillip Gage  
 Time Test Ended: 13:33:45      Unit No: 72  
 Interval: **3952.00 ft (KB) To 3985.00 ft (KB) (TVD)**      Reference Elevations: 2821.00 ft (KB)  
 Total Depth: 3985.00 ft (KB) (TVD)      2816.00 ft (CF)  
 Hole Diameter: 7.88 inches      Hole Condition: Poor      KB to GR/CF: 5.00 ft

**Serial #: 6772      Outside**  
 Press@RunDepth: 78.66 psig @ 3958.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.10.20      End Date: 2014.10.20      Last Calib.: 2014.10.20  
 Start Time: 07:28:05      End Time: 13:33:44      Time On Btm: 2014.10.20 @ 10:01:45  
 Time Off Btm: 2014.10.20 @ 12:02:30

TEST COMMENT: 30-IF-Built to 3"  
 30-ISI-No Return  
 30-FF-Weak Surface Blow started at 8mins, Built to 1/2"  
 30-FSI-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.00	110.44	Initial Hydro-static
1	32.16	110.20	Open To Flow (1)
31	60.57	114.37	Shut-In(1)
61	1182.62	116.32	End Shut-In(1)
61	64.46	115.98	Open To Flow (2)
90	78.66	116.44	Shut-In(2)
120	1150.47	118.54	End Shut-In(2)
121	1871.70	118.88	Final Hydro-static

## Recovery

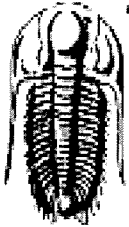
Length (ft)	Description	Volume (bbl)
126.00	MCVW, 30%m, 70%w	0.64
15.00	M, 100%m	0.21

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
Newton, KS 67114

**Bixeman #1**

Job Ticket: 60714

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2014.10.20 @ 07:28:00

## 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:

23000 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
126.00	MCW, 30%m, 70%w	0.638
15.00	M, 100%m	0.210

Total Length: 141.00 ft

Total Volume: 0.848 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .3 @ 74 degrees = 23,000 Salinity

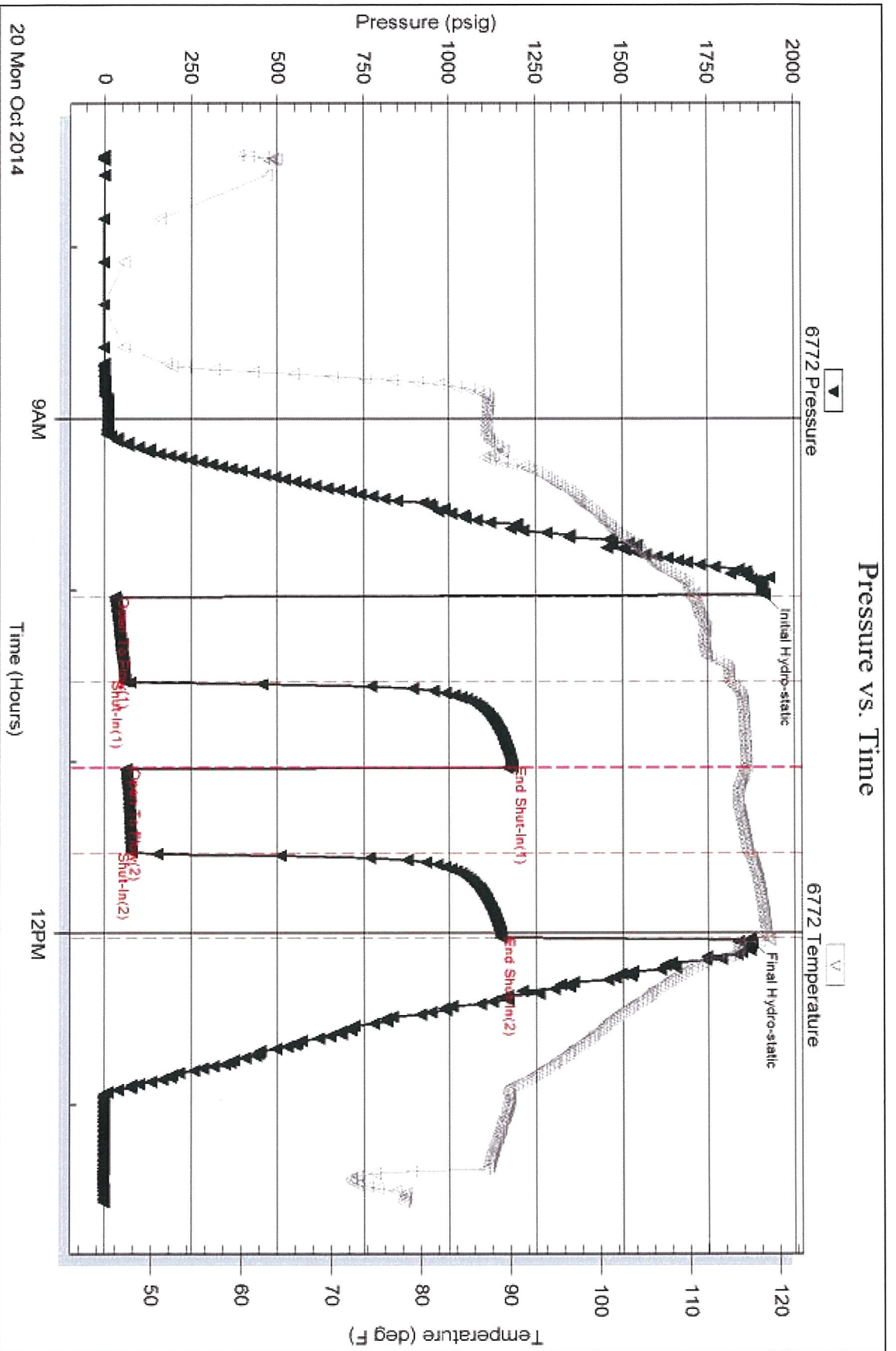
Serial #: 6772

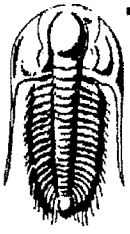
Outside

Palomino Petroleum, Inc

Bixeman #1

DST Test Number: 3





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St.  
New ton, KS 67114

ATTN: Ryan Seib

**Sec. 14-10s-29w Sheridan, KS**

**Bixeman #1**

Job Ticket: 60715

**DST#: 4**

Test Start: 2014.10.20 @ 20:17:00

## GENERAL INFORMATION:

Formation: **LKC "D-E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:33:15

Time Test Ended: 05:35:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 72

**Interval: 3987.00 ft (KB) To 4040.00 ft (KB) (TVD)**

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2821.00 ft (KB)

2816.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6772 Outside**

Press@RunDepth: 395.33 psig @ 3993.00 ft (KB)

Start Date: 2014.10.20 End Date: 2014.10.21

Start Time: 20:17:05 End Time: 05:35:00

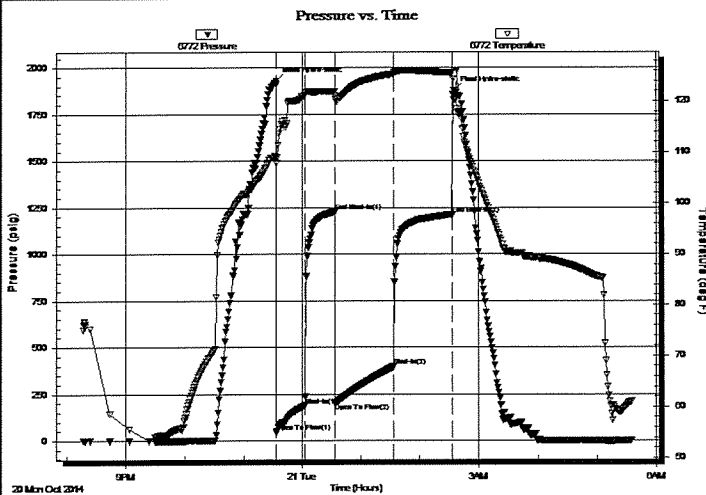
Capacity: 8000.00 psig

Last Calib.: 2014.10.21

Time On Btm: 2014.10.20 @ 23:33:00

Time Off Btm: 2014.10.21 @ 02:34:45

**TEST COMMENT:** 30-IF-BOB in 6 mins  
30-ISI-8" Return  
60-FF-BOB in 9 mins  
60-FSI-5 1/2" Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1928.87	109.09	Initial Hydro-static
1	44.50	107.97	Open To Flow (1)
30	188.48	121.11	Shut-In(1)
60	1227.44	121.90	End Shut-In(1)
61	201.28	121.14	Open To Flow (2)
120	395.33	125.34	Shut-In(2)
180	1212.00	125.59	End Shut-In(2)
182	1878.29	120.23	Final Hydro-static

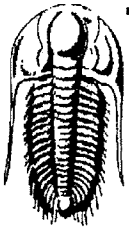
## Recovery

Length (ft)	Description	Volume (bbl)
189.00	SGOMCW, 10%g, 20%o, 20%m, 50% w	1.52
282.00	SWGOCM, 10%w, 10%g, 20%o, 60%m	3.96
491.00	SGCO, 10%g, 90%o	6.89
0.00	GIP-670' 100%g	0.00

\* Recovery from multiple tests

## Gas Rates

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



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

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
New ton, KS 67114

**Bixeman #1**

Job Ticket: 60715

**DST#: 4**

ATTN: Ryan Seib

Test Start: 2014.10.20 @ 20:17:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

59000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
189.00	SGOMCW, 10%g, 20%o, 20%m, 50% w	1.522
282.00	SWGOCM, 10%w, 10%g, 20%o, 60%m	3.956
491.00	SGCO, 10%g, 90%o	6.887
0.00	GIP-670' 100%g	0.000

Total Length: 962.00 ft      Total Volume: 12.365 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .24 @ 43 degrees = 59,000 Salinity

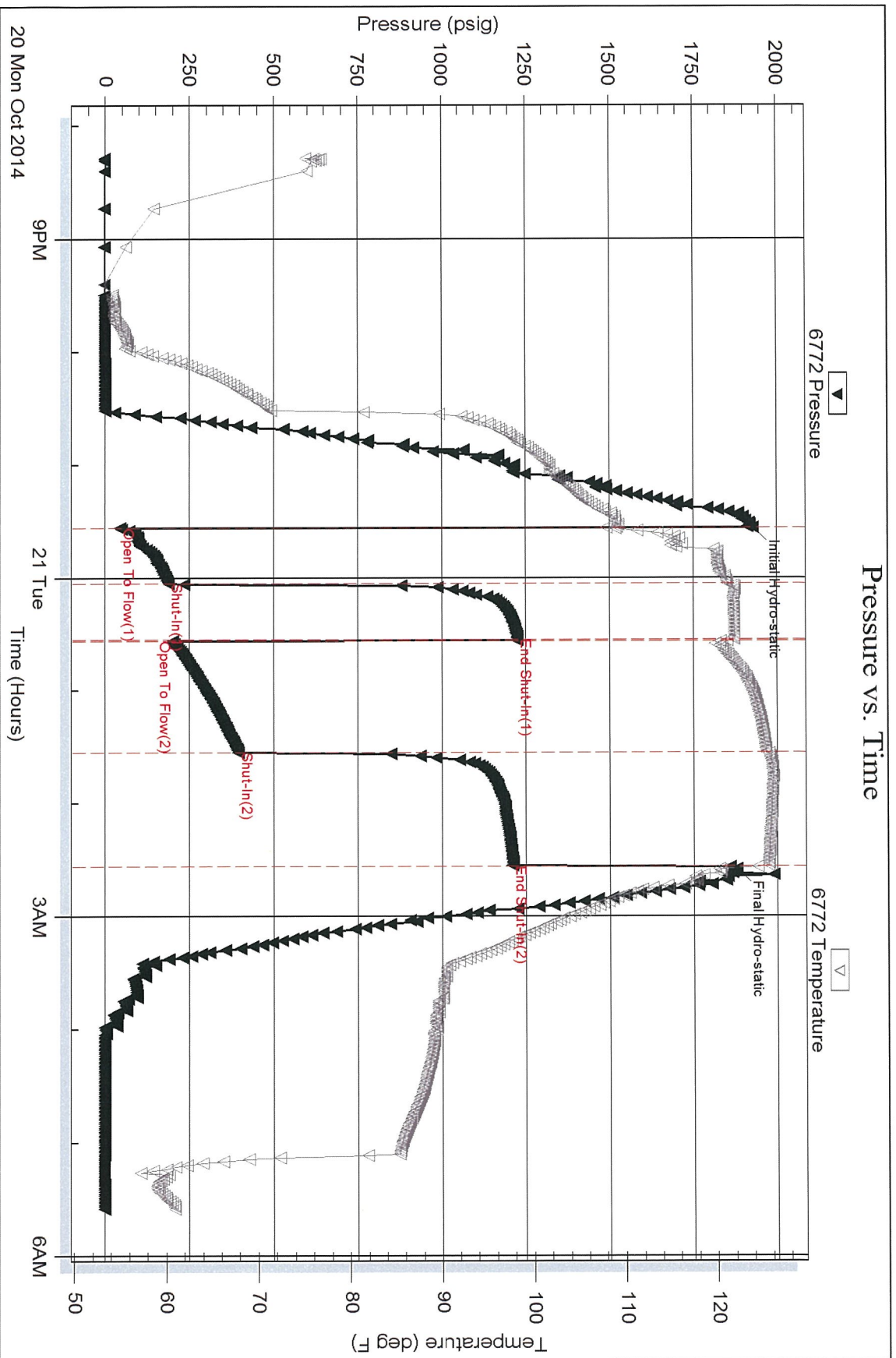
Serial #: 6772

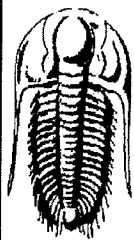
Outside Palomino Petroleum, Inc

Bixeman #1

DST Test Number: 4

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
New ton, KS 67114

**Bixeman #1**

Job Ticket: 60543

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2014.10.21 @ 13:10:00

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:15

Time Test Ended: 19:41:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

**Interval: 4040.00 ft (KB) To 4095.00 ft (KB) (TVD)**

Reference Elevations: 2821.00 ft (KB)

Total Depth: 4095.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6772**

**Inside**

Press@RunDepth: 191.19 psig @ 4076.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.21

End Date: 2014.10.21

Last Calib.: 2014.10.21

Start Time: 13:10:05

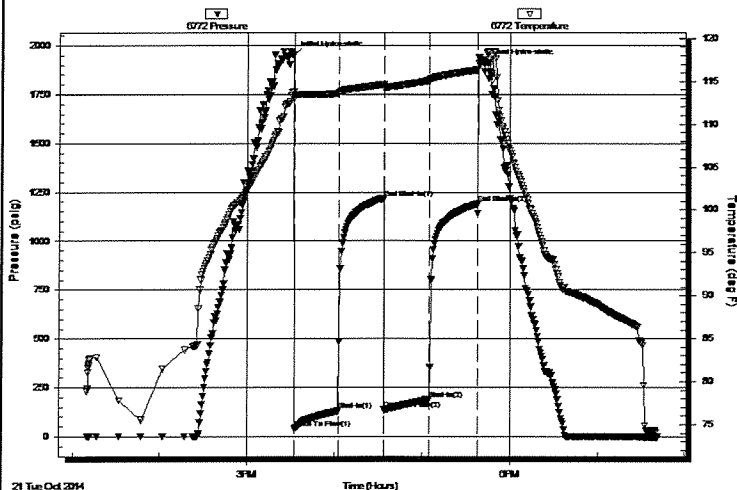
End Time: 19:41:29

Time On Btm: 2014.10.21 @ 15:31:45

Time Off Btm: 2014.10.21 @ 17:43:00

TEST COMMENT: I.F. - 30 - 1/4" INT. BLOW BUILT TO (B.O.B. IN 26 MIN.)  
I.S.I. - 30 - NO B.B.  
F.F. - 30 - 1/2" INT. BLOW BUILT TO (B.O.B. IN 29 MIN.)  
F.F. - 30 - NO B.B.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.52	113.77	Initial Hydro-static
1	38.94	113.12	Open To Flow (1)
31	131.51	113.57	Shut-In(1)
62	1218.47	114.64	End Shut-In(1)
63	136.40	114.19	Open To Flow (2)
94	191.19	115.06	Shut-In(2)
127	1190.15	116.33	End Shut-In(2)
132	1906.67	116.93	Final Hydro-static

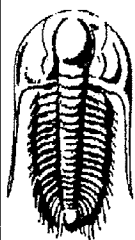
## Recovery

Length (ft)	Description	Volume (bbl)
309.00	S,O,S,M,W, 1%O 10%M 89%W	3.24
1.00	C/O 100%	0.01

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
New ton, KS 67114

**Bixeman #1**

Job Ticket: 60543

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2014.10.21 @ 13:10:00

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:15

Time Test Ended: 19:41:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

Interval: **4040.00 ft (KB) To 4095.00 ft (KB) (TVD)**

Reference Elevations: 2821.00 ft (KB)

Total Depth: 4095.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8167 Outside**

Press@RunDepth: psig @ 4076.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.21

End Date: 2014.10.21

Last Calib.: 2014.10.21

Start Time: 13:10:05

End Time: 19:41:29

Time On Btm:

Time Off Btm:

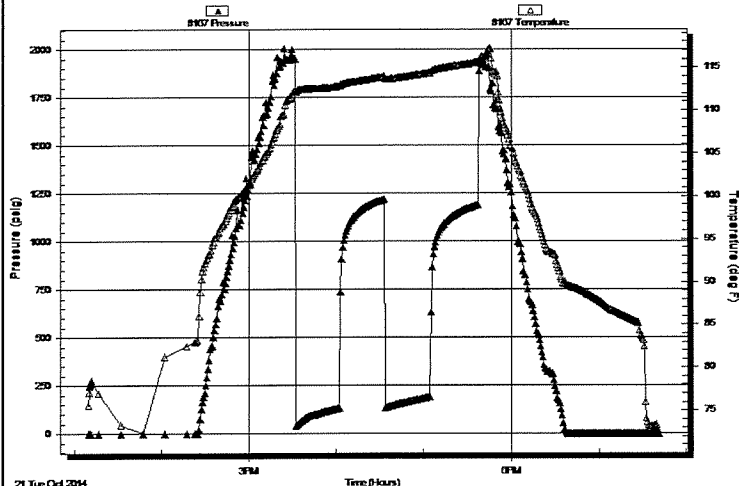
TEST COMMENT: I.F. - 30 - 1/4" INT. BLOW BUILT TO (B.O.B. IN 26 MIN.)

I.S.I. - 30 - NO B.B.

F.F. - 30 - 1/2" INT. BLOW BUILT TO (B.O.B. IN 29 MIN.)

F.F. - 30 - NO B.B.

Pressure vs. Time



## PRESSURE SUMMARY

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

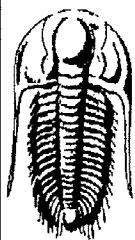
## Recovery

Length (ft)	Description	Volume (bbl)
309.00	S,O,S,M,W, 1%O 10%M 89%W	3.24
1.00	C/O 100%	0.01

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
New ton, KS 67114

**Bixeman #1**

Job Ticket: 60543

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2014.10.21 @ 13:10:00

### 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:	45.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.99 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3.00 ppm				
Filter Cake:	2.00 inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
309.00	S <sub>2</sub> O <sub>2</sub> S <sub>2</sub> M <sub>2</sub> W, 1%O 10%M 89%W	3.241
1.00	C/O 100%	0.014

Total Length: 310.00 ft      Total Volume: 3.255 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



Serial #: 6772

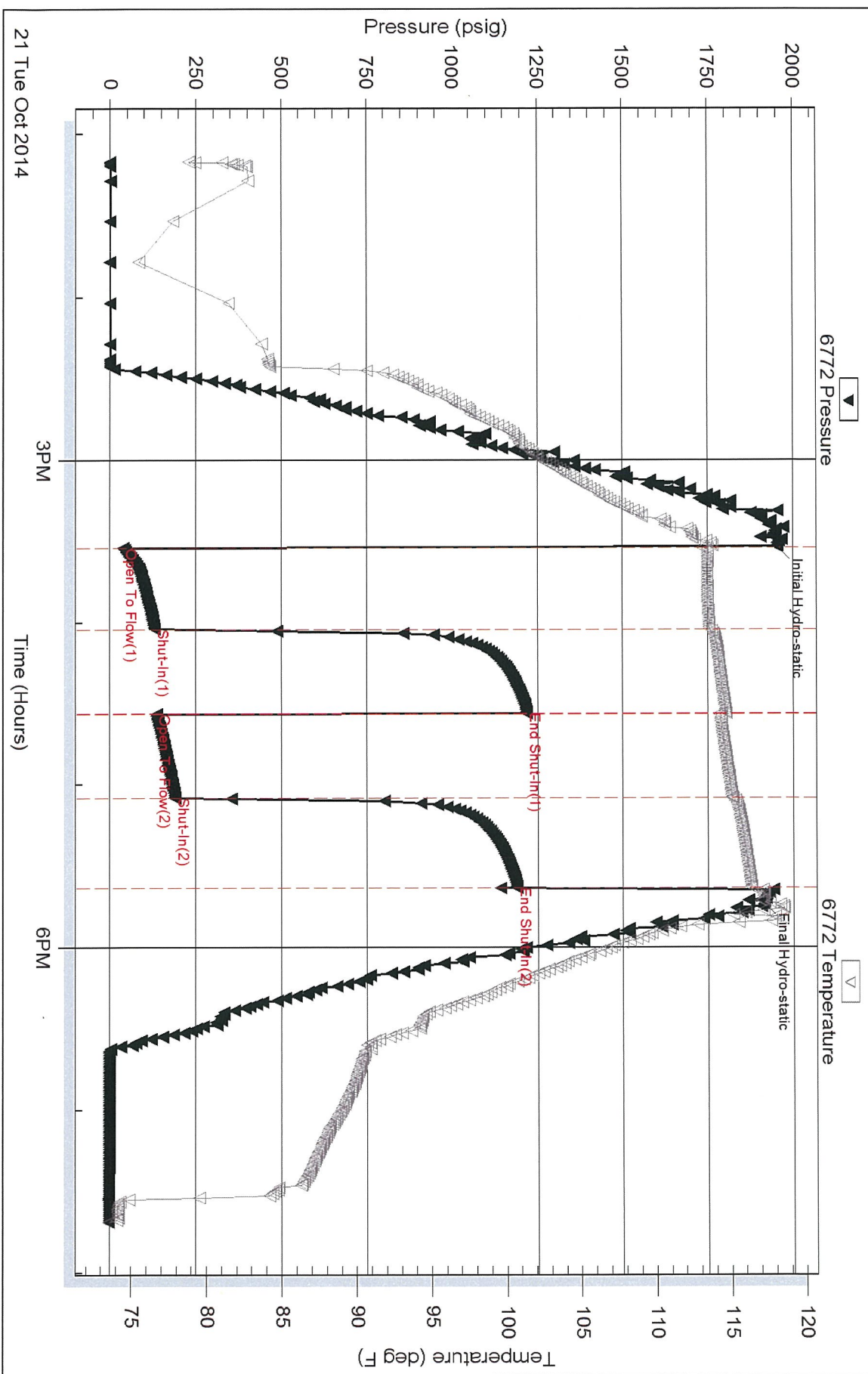
Inside

Palomino Petroleum, Inc

Bixerman #1

DST Test Number: 5

### Pressure vs. Time



21 Tue Oct 2014

3PM

6PM

Triobite Testing, Inc

Ref. No: 60543

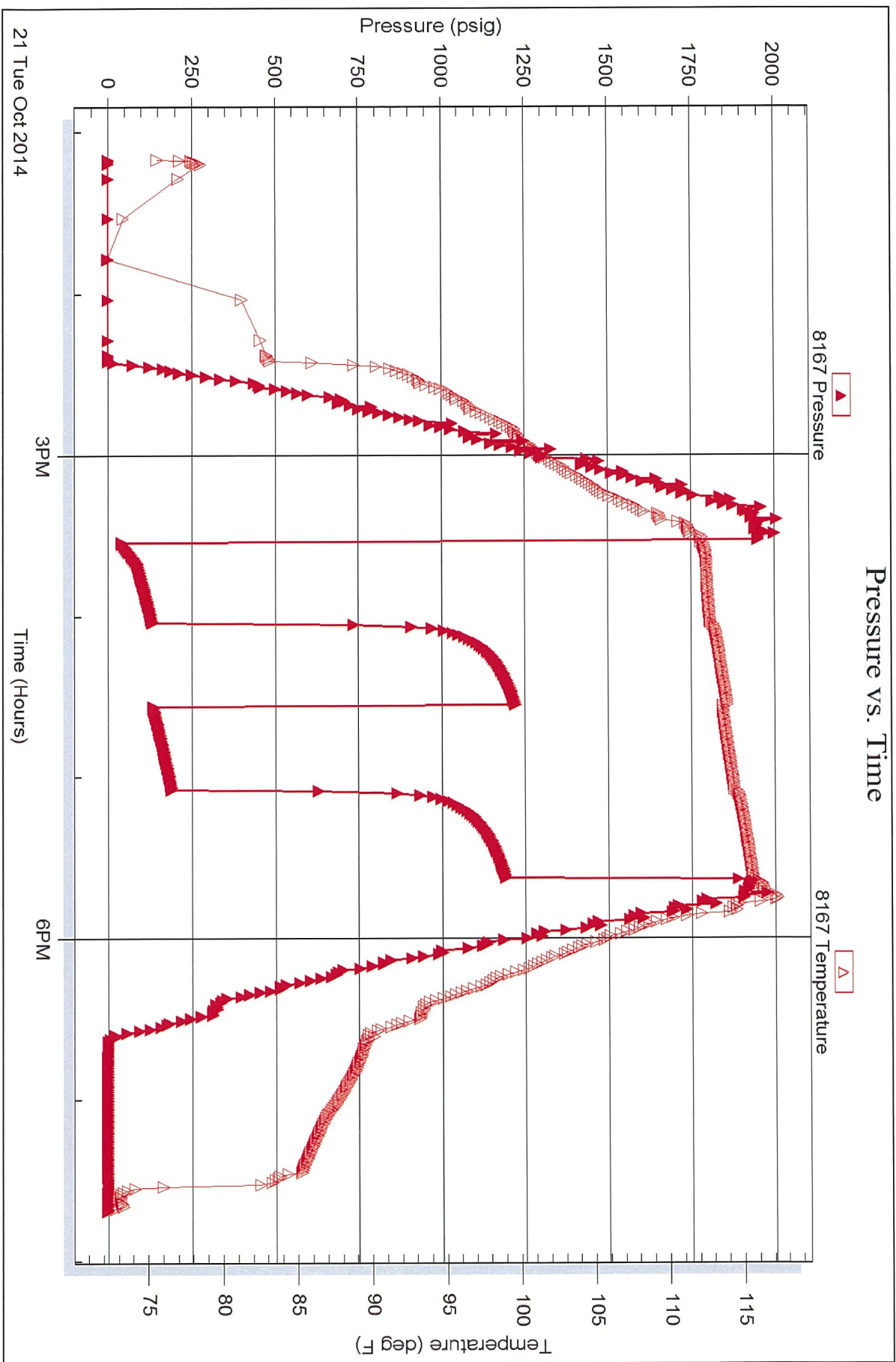
Printed: 2014.10.21 @ 21:34:46

Serial #: 8167

Outside Palomino Petroleum, Inc

Bixeman #1

DST Test Number: 5





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
New ton, KS 67114

**Bixeman #1**

Job Ticket: 60544

**DST#: 6**

ATTN: Ryan Seib

Test Start: 2014.10.22 @ 08:00:00

## GENERAL INFORMATION:

Formation: **Lans. " I - L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:32:15

Time Test Ended: 16:41:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

**Interval: 4091.00 ft (KB) To 4229.00 ft (KB) (TVD)**

Total Depth: 4229.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2821.00 ft (KB)

2816.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6772**

**Inside**

Press@RunDepth: 185.36 psig @ 4095.00 ft (KB)

Start Date: 2014.10.22

End Date: 2014.10.22

Start Time: 08:00:05

End Time: 16:41:15

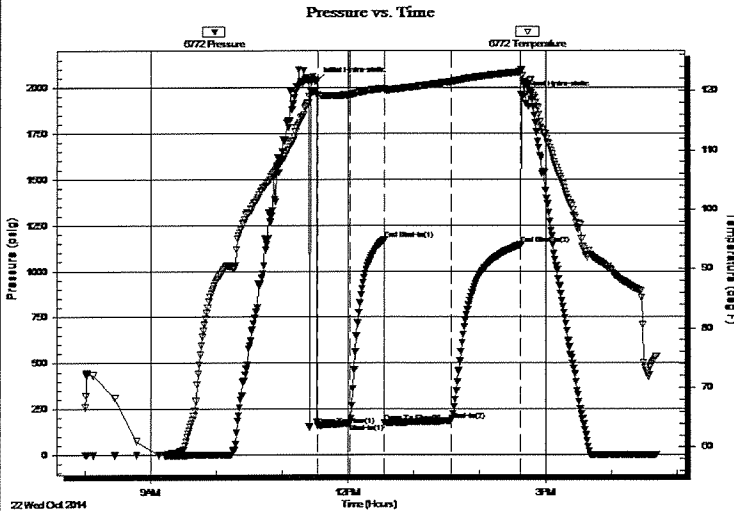
Capacity: 8000.00 psig

Last Calib.: 2014.10.22

Time On Btm: 2014.10.22 @ 11:31:15

Time Off Btm: 2014.10.22 @ 14:38:15

TEST COMMENT: I.F. - 30 - 1/2" INT. BLOW BUILT TO (3 1/4" IN 30 MIN.)  
I.S.I. - 30 - NO B.B.  
F.F. - 60 - 1/8" INT. BLOW BUILT TO (1 1/2" IN 60 MIN.)  
F.S.I. - 60 - NO B.B.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2034.43	119.88	Initial Hydro-static
1	159.40	119.33	Open To Flow (1)
31	171.28	119.34	Shut-In(1)
62	1170.12	120.37	End Shut-In(1)
62	173.33	120.11	Open To Flow (2)
123	185.36	121.50	Shut-In(2)
187	1144.02	123.15	End Shut-In(2)
187	1958.87	123.35	Final Hydro-static

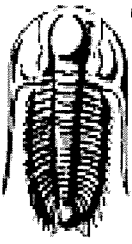
## Recovery

Length (ft)	Description	Volume (bbl)
209.00	S,O,C,M, 10%O 90%M	1.80
0.00	SHOW OF FREE OIL IN TEST TOOL	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**Sec. 14-10s-29w Sheridan, KS**

4924 SE 84th St.  
New ton, KS 67114

**Bixeman #1**

Job Ticket: 60544

**DST#: 6**

ATTN: Ryan Seib

Test Start: 2014.10.22 @ 08:00:00

## 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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3100.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
209.00	S,O,C,M, 10%O 90%M	1.802
0.00	SHOW OF FREE OIL IN TEST TOOL	0.000

Total Length: 209.00 ft      Total Volume: 1.802 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

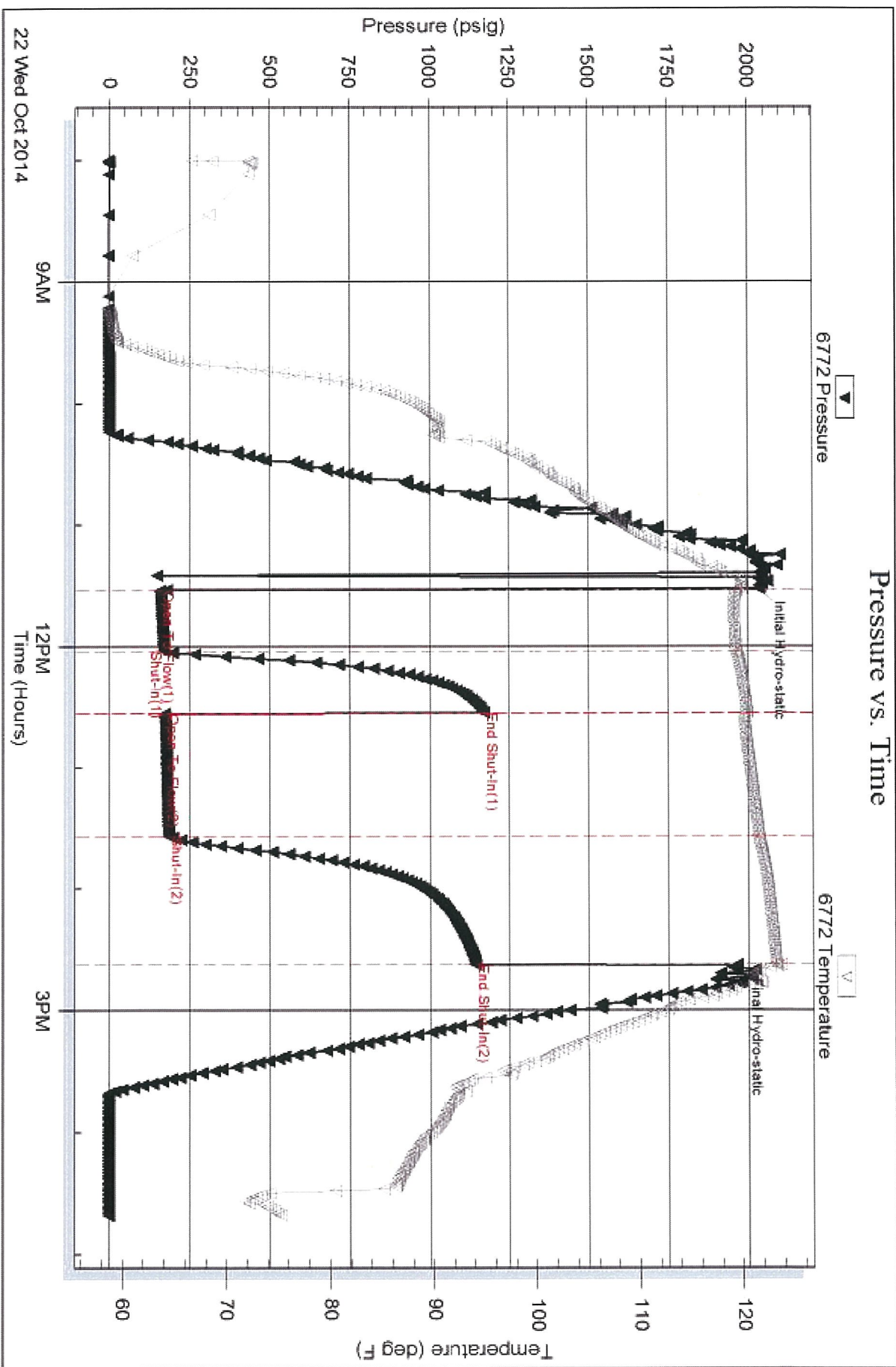
Serial #: 6772

Inside

Palomino Petroleum, Inc

Bikenan #1

DST Test Number: 6



Tribble Testing, Inc

Ref. No: 60544

Printed: 2014.10.23 @ 07:47:03