



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

RECEIVED

SEP 10 2016

Date: 9/7/2016
 Invoice # 1768
 P.O.#:
 Due Date: 10/7/2016
 Division: Russell

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 LAIRD 1 SEC18-15-25

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 467.97	No				
Common-Class A	120	\$ 1,253.79	Yes				
Calcium Chloride	6	\$ 211.48	Yes				
POZ Mix-Standard	30	\$ 132.18	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 100.08	No				
Pump Truck Mileage-Job to Nearest Camp	27	\$ 76.47	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	27	\$ 59.48	No				
Premium Gel (Bentonite)	3	\$ 54.76	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 2,356.20
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (58.91)

SubTotal for Taxable Items: \$ 1,610.90
 SubTotal for Non-Taxable Items: \$ 686.40
 Total: \$ 2,297.29
 Tax: \$ 128.87

8.00% Trego County Sales Tax

Thank You For Your Business!

Amount Due: \$ 2,426.16
Applied Payments:
Balance Due: \$ 2,426.16

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

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QUALITY OLWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 1768

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-7-16	18	15	25	Trego	KS		2:00 PM
				Location <i>Wichita ERO 7/20 Binto</i>			

Lease	Well No.	Owner	
<i>Laird</i>	<i>1</i>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor		Charge To	
<i>WW #14</i>		<i>Palomino petroleum</i>	
Type Job	T.D.	Street	
<i>Surface</i>	<i>223</i>		
Hole Size	Depth	City	
<i>12 1/4</i>	<i>222</i>	State	
Csg.	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
<i>8 5/8</i>		Cement Amount Ordered <i>150 @ 20 3/4 112.6 EL</i>	
Tbg. Size	Shoe Joint		
Tool			
Cement Left in Csg.			
<i>15'</i>			

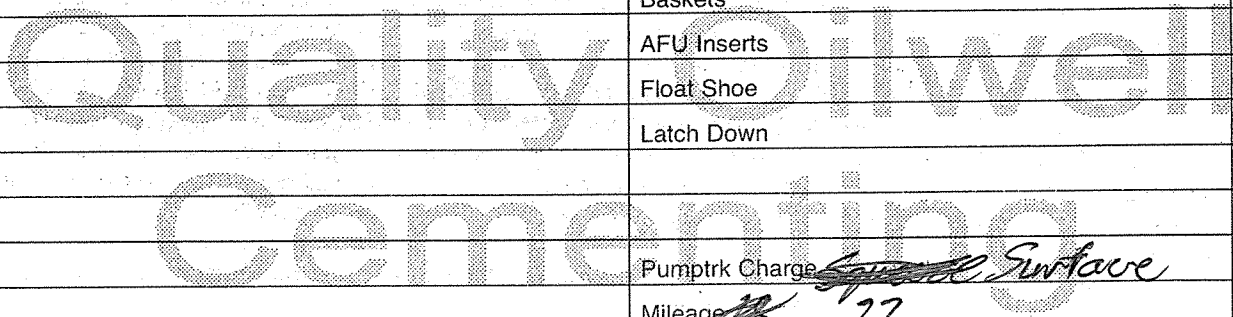
Meas Line	Displace	Common
	<i>1334</i>	<i>120</i>
EQUIPMENT		
Pumptrk No.	Cementer	Poz. Mix
<i>20</i>	<i>raig</i>	<i>30</i>
Bulktrk No.	Helper	Gel.
	<i>Dick</i>	<i>3</i>
Bulktrk No.	Driver	Calcium
<i>14</i>	<i>Doug</i>	<i>6</i>

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
<i>8 5/8 on bottom. Est. Circulation.</i>		Handling <i>159</i>
<i>Mix 150SK + Displace.</i>		Mileage

FLOAT EQUIPMENT	
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge	<i>Surface</i>
Mileage	<i>27</i>

X Signature	Tax
<i>Noel Perez</i>	Discount
	Total Charge





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



RECEIVED
SEP 19 2016

Invoice

DATE	INVOICE #
9/13/2016	29575

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	Laird	Trego	WW Drilling #14	Oil	Development	5 1/2 Longstring	Jason
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
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				55	Lb(s)	2.25	123.75T
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				3	Gallon(s)	42.00	126.00T
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				458.1	Ton Miles	0.75	343.58
	Subtotal							11,074.58
	Sales Tax Trego County						8.00%	715.48

We Appreciate Your Business!	Total	\$11,790.06
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Services, Inc.

CHARGE TO: PALMWOOD PETROLEUM

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29575

PAGE 1 OF 2

1. SERVICE LOCATION: <u>NESS CITY, KS.</u>	WELL/PROJECT NO.	LEASE	COUNTY/TERRITORY	STATE	CITY	DATE	OWNER
		<u>LAIRD # 1</u>	<u>TREGO</u>	<u>KS</u>	<u>UTICA, KS</u>	<u>13SEP16</u>	
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	WELL LOCATION	
	<u>WOOD DRILLING RIG # 14</u>					<u>E SIDE, 8N E 50S</u>	
3. WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.				
	<u>OIL</u>	<u>DEVELOPMENT</u>	<u>S&L LONGSTRINGS</u>				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>575</u>					MILEAGE # <u>115</u>	<u>40</u>	<u>mi</u>			<u>5</u>	<u>200</u>
<u>578</u>					PUMP CHARGE	<u>1</u>	<u>hour</u>			<u>1250</u>	<u>1250</u>
<u>403</u>					CEMENT BASKET	<u>1</u>	<u>EA</u>			<u>250</u>	<u>250</u>
<u>404</u>					PORT COLLAR	<u>1</u>	<u>EA</u>			<u>250</u>	<u>250</u>
<u>406</u>					LATCH DOWN PLUG & BASKET	<u>1</u>	<u>EA</u>			<u>225</u>	<u>225</u>
<u>407</u>					INSERT FLOAT SHADE w/ BALL	<u>1</u>	<u>EA</u>			<u>300</u>	<u>300</u>
<u>409</u>					TURBOIZERS	<u>11</u>	<u>EA</u>			<u>75</u>	<u>825</u>
<u>419</u>					ROTATING HEAD RENTAL	<u>1</u>	<u>DAY</u>			<u>200</u>	<u>200</u>
<u>281</u>					MUD FLUSH	<u>500</u>	<u>gal</u>			<u>1</u>	<u>685</u>
<u>281</u>					RNL	<u>4</u>	<u>gal</u>			<u>25</u>	<u>100</u>

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: 13SEP16 TIME SIGNED: 1640 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: 6475 4599 11074

TAX: 715.48

TOTAL: 11990.00

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!

JOB LOG

SWIFT Services, Inc.

DATE 13 SEP 16 PAGE NO.

CUSTOMER TALAMINO PETROLEUM

WELL NO.

LEASE LAIRD # 1

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 29575

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							ON LOCATION
	1245							START PIPE 5 1/2-14" RTD @ 4430 LTD @ 4430 SHOET, 44.23 SET @ CENTRALIZERS 1,2,4,6,8,10,12,14,15,17,63 BASKET. 64 PORT COLLAR # 64 @ 1816
	1437							DROP BALL - CIRCULATE.
	1517	6	12		✓			Pump 500 gal MUD FLUSH
		6	20		✓			Pump 20 BBL KCL SPACER
	1525		7.5					PLUG RH-30sx - MH-20SX
	1530	4	29		✓			MIX 75sx SMD
		4	24		✓			MIX 100sx EA-2
	1547							WASH OUT Pump & LINES.
	1549	6			✓			START DISPLACING PLUG.
	1605	Ø	107		✓	1500		PLUG DOWN - LATCH PLUG IN
	1608							RELEASE PSI - DRY
	1610							WASH TRUCK
	1645							JOB COMPLETE.
								THANKS # 115
								JASON DAVE SHANE.



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

RECEIVED

SEP 26 2016

Invoice

DATE	INVOICE #
9/22/2016	29784

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	Laird	Trego	Express Well Serv...	Oil	Development	Cement Port Collar	Jason
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,250.00	1,250.00
276	Flocele				35	Lb(s)	2.25	78.75T
290	D-Air				2	Gallon(s)	42.00	84.00T
105	Port Collar Tool Rental With Man				1	Each	275.00	275.00T
330	Swift Multi-Density Standard (MIDCON II)				135	Sacks	15.75	2,126.25T
581D	Service Charge Cement				200	Sacks	1.50	300.00
583D	Drayage				399	Ton Miles	0.75	299.25
	Subtotal							4,613.25
	Sales Tax Trego County						8.00%	205.12
We Appreciate Your Business!							Total	\$4,818.37



Services, Inc.

CHARGE TO: PAIDMIAO PETROLEUM

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29784

PAGE 1 OF

1. SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
		LAIRD #1	TREBO	KS.	UTICA, KS.	22 SEP 16	
2. TICKET TYPE	CONTRACTOR	RIG NAME NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	WELL LOCATION	
<input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	EXPRESS WELL SERV.					75N, E 50W	
3. WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.				
OIL	DEVELOPMENT	CEMENT PORT COLLAR					
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE # 115	410	mi			5.22	2150.00
576D					PUMP CHARGE	1500				1.25	1875.00
276					FLOCELE	35	lbs			21.5	752.50
290					D-AIR	2	gal			42.00	84.00
105					PORT COLLAR DRIVING TOOL	1500				275.00	275.00
330					SMD CEMENT	135	5x			15.75	2126.25
581					Cement Service Charge	200	5x			1.50	300.00
583					DRAYAGE	19950	lbs			399.07	7975.35

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

DATE SIGNED: 22 Sep 16 TIME SIGNED: 1200 A.M. P.M.

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

REMIT PAYMENT TO:

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?

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 4613

TOTAL: 4819.37

Thank You!

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.

JOB LOG

SWIFT Services, Inc.

DATE 22 SEP 16 PAGE NO.

CUSTOMER PALOMINO PETROLEUM

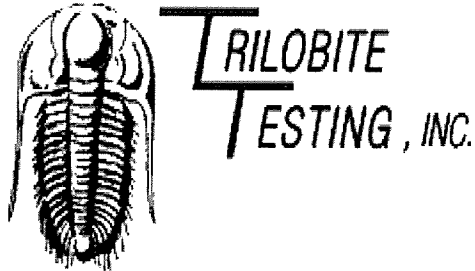
WELL NO.

LEASE LAIRD #1

JOB TYPE CEMENT PORT COLLAR

TICKET NO. 29784

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1015							ON LOCATION
								PORT COLLAR @ 1816
	1043						1000	TEST - HELD
	1046							OPEN PORT COLLAR
	1049	4	75				300	MIX 135sx SMD
		3	9 1/2				100	DISPLACE CEMENT
								CIRCULATE 20SX TO PIT
	1111							CLOSE PORT COLLAR - TEST - HELD
								RUN 4 JTS.
	1123	4	22				300	REVERSE CLEAN
	1133							WASH TRUCK
	1200							JOB COMPLETE
								THANKS #115
								JASON DAVE JOHN



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Laird #1

18-15s-25w Gove,KS

Start Date: 2016.09.12 @ 06:48:15

End Date: 2016.09.12 @ 13:36:00

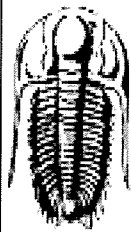
Job Ticket #: 65609 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.13 @ 13:14:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

18-15s-25w Gove, KS

4924 SE 84th St
New ton KS 67114

Laird #1

ATTN: Andrew Stenzel

Job Ticket: 65609

DST#: 1

Test Start: 2016.09.12 @ 06:48:15

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:55:15

Time Test Ended: 13:36:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: **4239.00 ft (KB) To 4346.00 ft (KB) (TVD)**

Total Depth: 4346.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2389.00 ft (KB)

2382.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6751

Outside

Press@RunDepth: 292.78 psig @ 4341.00 ft (KB)

Start Date: 2016.09.12

End Date:

2016.09.12

Capacity: 8000.00 psig

Last Calib.: 2016.09.12

Start Time: 06:48:15

End Time:

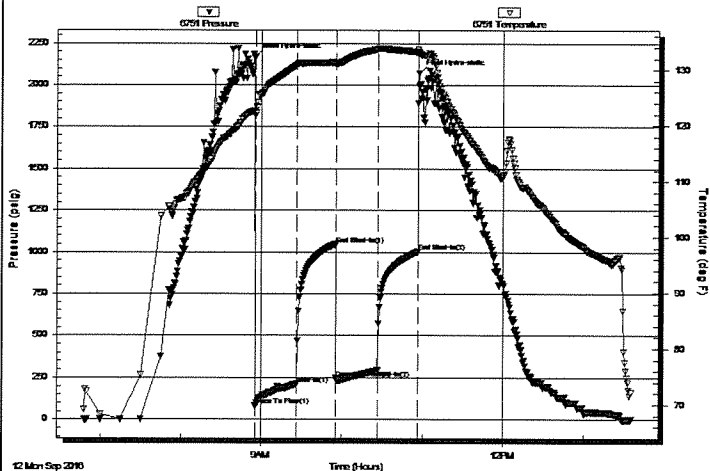
13:36:00

Time On Btm: 2016.09.12 @ 08:55:00

Time Off Btm: 2016.09.12 @ 10:57:00

TEST COMMENT: IF:BOB in 11 min.
IS:No return blow
FF:BOB in 17 min.
FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

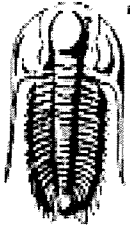
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.05	122.67	Initial Hydro-static
1	79.69	121.73	Open To Flow (1)
32	211.57	130.88	Shut-In(1)
61	1046.43	131.28	End Shut-In(1)
61	245.89	130.91	Open To Flow (2)
91	292.78	133.69	Shut-In(2)
122	1003.38	133.21	End Shut-In(2)
122	2070.60	133.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
179.00	ocgmw 2%o 8%g 30%m 60%w	1.45
186.00	gw mo 10%g 20%w 30%m 40%o	2.61
62.00	ocgm 5%o 45%g 50%m	0.87
67.00	mud 100%m	0.94

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

18-15s-25w Gove,KS

4924 SE 84th St
New ton KS 67114

Laird #1

Job Ticket: 65609

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2016.09.12 @ 06:48:15

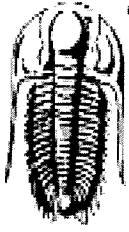
Tool Information

Drill Pipe:	Length: 4126.00 ft	Diameter: 3.80 inches	Volume: 57.88 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4239.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	107.00 ft			
Tool Length:	135.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4212.00	
Shut In Tool	5.00			4217.00	
Hydraulic tool	5.00			4222.00	
Jars	5.00			4227.00	
Safety Joint	3.00			4230.00	
Packer	5.00			4235.00	28.00 Bottom Of Top Packer
Packer	4.00			4239.00	
Stubb	1.00			4240.00	
Perforations	4.00			4244.00	
Change Over Sub	1.00			4245.00	
Drill Pipe	95.00			4340.00	
Change Over Sub	1.00			4341.00	
Recorder	0.00	8672	Inside	4341.00	
Recorder	0.00	6751	Outside	4341.00	
Bullhose	5.00			4346.00	107.00 Bottom Packers & Anchor

Total Tool Length: 135.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

18-15s-25w Gove,KS

4924 SE 84th St
New ton KS 67114

Laird #1

Job Ticket: 65609

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2016.09.12 @ 06:48:15

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:	14000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
179.00	ocgmw 2%o 8%g 30%m 60%w	1.445
186.00	gw mo 10%g 20%w 30%m 40%o	2.609
62.00	ocgm 5%o 45%g 50%m	0.870
67.00	mud 100%m	0.940

Total Length: 494.00 ft Total Volume: 5.864 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .438 @ 78.9 = 14,000 ppm

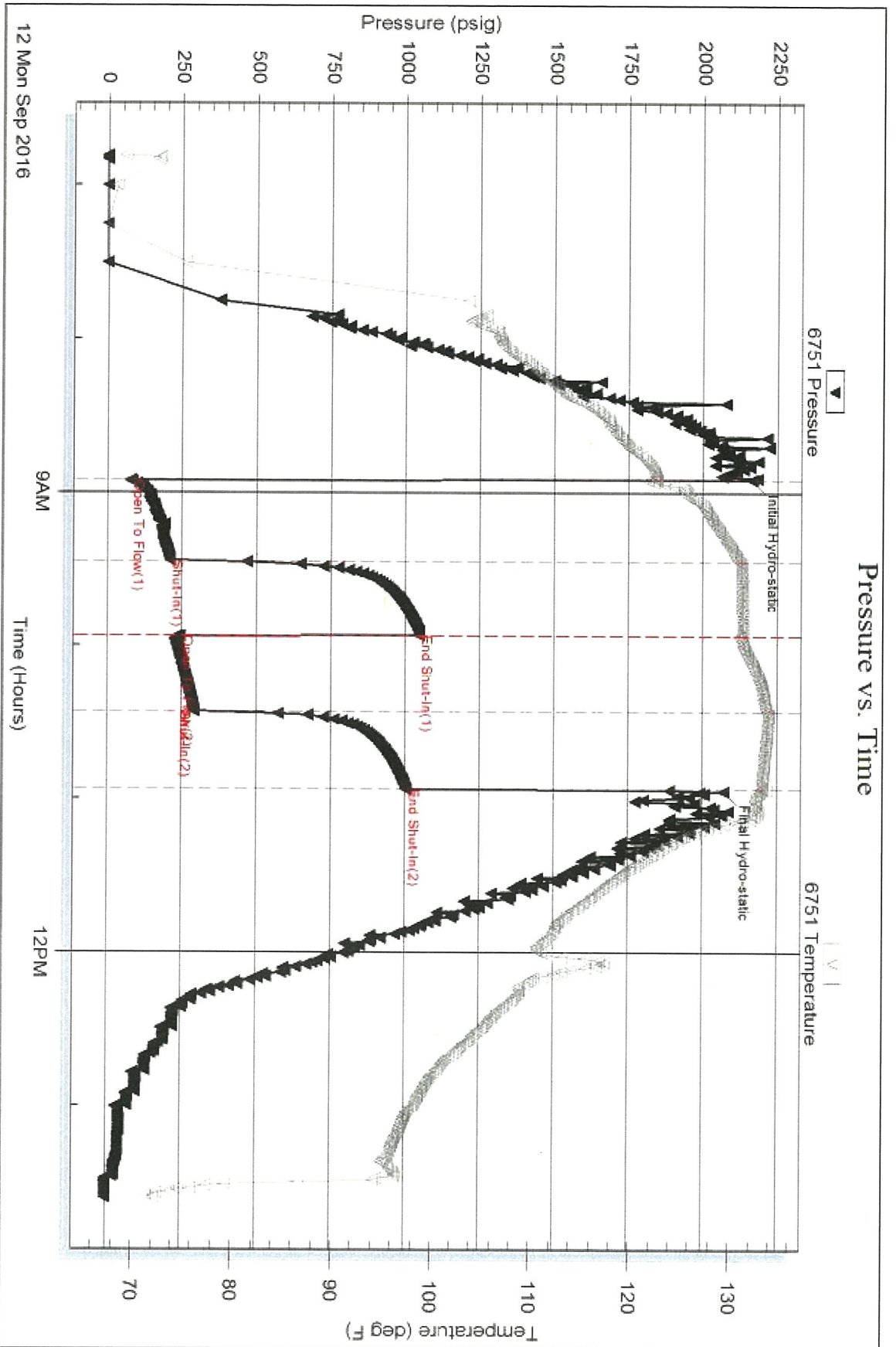
Serial #: 6751

Outside

Palomino Petroleum Inc.

Laird #1

DST Test Number: 1



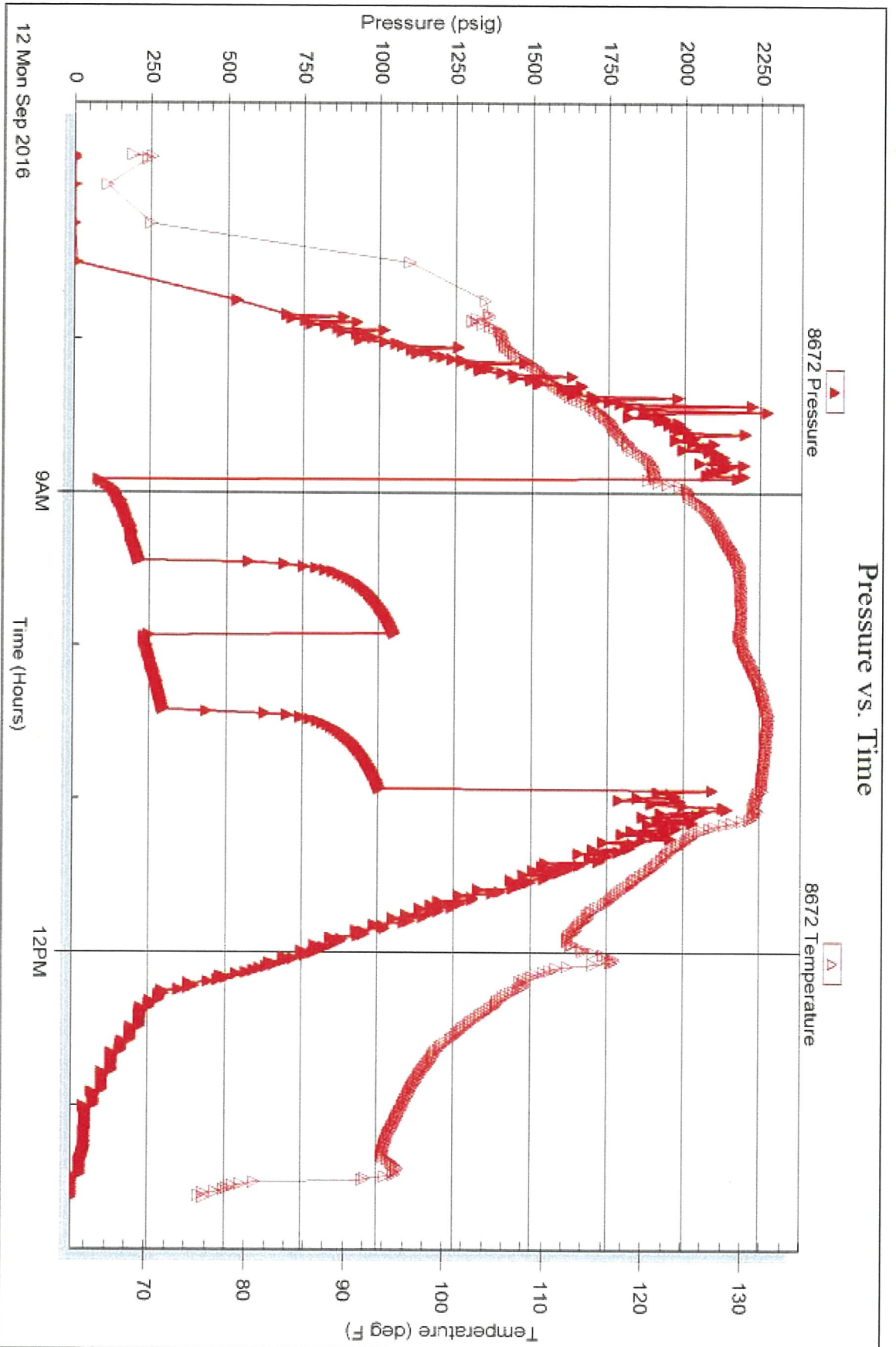
Serial #: 8672

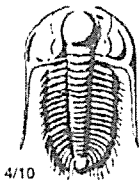
Inside

Palomino Petroleum Inc.

Laird #1

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65609

Well Name & No. Laird #1 Test No. 1 Date 9-12-16
 Company Palomino Petroleum Inc Elevation 2389 KB 2382 GL
 Address 4924 SE 89th St Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW14
 Location: Sec. 18 Twp. 15S Rge 25W Co. Grove State KS

Interval Tested 4239-4346 Zone Tested Miss
 Anchor Length 107 Drill Pipe Run 4126 Mud Wt. 9.1
 Top Packer Depth 4234 Drill Collars Run 117 Vis 60
 Bottom Packer Depth 4239 Wt. Pipe Run 0 WL 6.4
 Total Depth 4346 Chlorides 1500 ppm System LCM 5

Blow Description IF: BOB in 11 Min
IS: No Return Blow
FF: BOB in 17 Min
FS: No Return Blow

Rec	Feet of		%gas	%oil	%water	%mud
<u>67</u>	<u>Feet of MUD</u>				<u>100</u>	
<u>62</u>	<u>Feet of OCGM</u>	<u>45</u>	<u>5</u>		<u>50</u>	
<u>186</u>	<u>Feet of OCGM WMO</u>	<u>10</u>	<u>40</u>	<u>20</u>	<u>30</u>	
<u>179</u>	<u>Feet of OCGM (Collars)</u>	<u>8</u>	<u>2</u>	<u>60</u>	<u>30</u>	
Rec	Feet of		%gas	%oil	%water	%mud

Rec Total 494 BHT _____ Gravity _____ API RW 438 @ 78.9° F Chlorides 14000 ppm
 (A) Initial Hydrostatic 2164 Test \$1150.00 T-On Location 05:40
 (B) First Initial Flow 79 Jars \$250.00 T-Started 06:48
 (C) First Final Flow 211 Safety Joint \$75.00 T-Open 08:55
 (D) Initial Shut-In 1046 Circ Sub NC T-Pulled 10:55
 (E) Second Initial Flow 295 Hourly Standby _____ T-Out 13:36
 (F) Second Final Flow 292 Mileage 120RT = \$90.00 Comments Loaded Tools
 (G) Final Shut-In 1003 Sampler X2 +90 02:00 - 9-13-16
 (H) Final Hydrostatic 2070 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1655
 Accessibility _____ 1655 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total \$1565.00/-

Approved By [Signature] Our Representative Mike Roberts
 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.