



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



# Invoice

DATE	INVOICE #
12/10/2014	27916

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

RECEIVED  
DEC 13 2014

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Doc	Trego	WW Drilling	Oil	Development	5-1/2" LongString	Wayne
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	6.00	240.00
578D-L	Pump Charge - Long String - 4401 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 - 1797 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				10	Each	90.00	900.00T
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				50	Lb(s)	2.50	125.00T
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				458	Ton Miles	1.00	458.00
	Subtotal							13,220.50
	Sales Tax Trego County						7.65%	808.80

**Thank You For Your Business & Best Wishes For A Wonderful Holiday Season!!**

**Total** \$14,029.30







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

TICKET CONTINUATION

TICKET No. 27916

CUSTOMER: PALOMENO Petroleum Inc.

WELL: Doc #1

DATE: 12-10-14

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT	
		LOC	ACCT			DF	QTY	U/M	QTY			U/M
325		1			STANWAD'S CEMENT	EA2	100	SRS			14.50	1450.00
330		1			SWIFT MOLTZ - BUSBY STANWAD'S		125	SRS			18.50	2312.50
276		1			FLOCCILE		50	UBS			2.50	125.00
283		1			SALT		500	UBS			20	10000
284		1			CAUSEAL		5	SRS	500	UBS	35.00	175.00
285		1			CFR-1		50	UBS			4.50	225.00
290		1			D-ADR		5	GAL			42.00	210.00
581		1			SERVICE CHARGE						2.00	450.00
583		1			MILEAGE CHARGE						1.00	458.00
					TOTAL WEIGHT		229	00				
					LOADED MILES		40					
					CUBIC FEET							
					TON MILES							
CONTINUATION TOTAL											5505.50	

JOB LOG

SWIFT Services, Inc.

DATE 12-10-14 PAGE NO. 1

CUSTOMER PALOMINO PETROLEUM WELL NO. #1 LEASE DOC JOB TYPE 5 1/2" LONGSTRENG TICKET NO. 27916

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1730							ON LOCATION
	1800							START 5 1/2" CASING IN WELL
								TD-4403 SET = 4401
								TP-4404 5 1/2" # 14
								ST-43
								TURBO CENTRIFUGALS - 1, 3, 5, 7, 9, 11, 12, 13, 14, 61
								CMT BSKTS - 2, 62
								PORT COLLAR - 1797' TOPUT # 62
	2015							DROP BALL - CIRCULATE ROTATE
	2110	6	12		✓		450	PUMP 500 GAL MUD FLUSH
	2112	6	20		✓		450	PUMP 20 BBL KCL FLUSH
	2120		7					PLUG RH (30 SKS)
	2125	4 1/2	35		✓		300	MAX CEMENT - 1A - 95 SKS SMD = 12.7 PP6
		4 1/2	24		✓		150	TL - 100 SKS EAD = 15.5 PP6
	2135							WASH OUT PUMP - LEAKS
	2135							RELEASE LATCH DOWN PLUG
	2140	7	0		✓			DISPLACE PLUG (1ST TANK KCL WATER)
		7	100				800	
	2157	6	106.4				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	2200						OK	RELEASE PSE - HELD
								WASH TRUCK
	2300							JOB COMPLETE

THANK YOU  
WAYNE, DAVE K., ISAAC



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

MAIN OFFICE

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

Invoice Invoice# 802534

Invoice Date: 12/10/14 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.  
 4924 SE 84TH STREET  
 NEWTON KS 67114-8827  
 USA

DOC #1

**RECEIVED**  
**DEC 12 2014**

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401S	Cement Pump Truck - Surface	1.000	1,150.0000	10.000	1,035.00
5406	Mileage Charge	40.000	5.2500	10.000	189.00
5407A	Ton Mileage Delivery Charge	1.000	542.5000	10.000	488.25
1104S	Class A Cement	165.000	18.5500	10.000	2,754.68
1102	Calcium Chloride (50#)	465.000	0.9400	10.000	393.39
1118B	Premium Gel / Bentonite	310.000	0.2700	10.000	75.33

Subtotal 5,484.05  
 Discounted Amount 548.41  
 SubTotal After Discount 4,935.64

Amount Due 5,758.04 If paid after 01/09/15

Tax: 246.59

Total: 5,182.24



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

1338  
80253A  
~~1357~~  
INVOICE # 1289

TICKET NUMBER 47836  
LOCATION Oakley Cr.  
FOREMAN Cory Davis  
Jerry Y.

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/3/14	6285	Doc # 1	20	14 S	25 W	Trego
CUSTOMER <u>Palomino</u>		Colyer s 15 1/2 mi. to ROX 1 W to RD 120 N into	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			399	Cody R		
CITY			397	Lance R.		
STATE			Traner	Jeremy R.		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 217 CASING SIZE & WEIGHT 8 5/8 23 #  
 CASING DEPTH 217 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14 # SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12.6 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting Rig up w/w 10 Run casing Break Circulation with Rig Pump  
Hook up to pump truck mix 165 sks. com 3% C.C. 2% gel Wash up PUMP and lines  
Displace 12.6 BRB Water Shut in Rig down

Cement Did Circulate

Approx BBL to Pit

Thanks Cory Davis and crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1,150.00	1,150.00
5406	40	MILEAGE	5.25	210.00
5407A	7.75	Ton mileage Delivery	1.75	542.50
1104S	165 sks.	Class A cement	18.55	3,060.75
1102	465 #	Calcium Chloride	.94	437.10
118B	310.#	Bentonite (gel)	.27	83.70
			sub total	5,484.05
			10% loss	548.40
			sub total	4,935.65
			SALES TAX	240.59
			ESTIMATED TOTAL	5182.24

RAVIN 3737  
 AUTHORIZATION [Signature] TITLE J.P. DATE 12/3/14

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

## TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

## SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

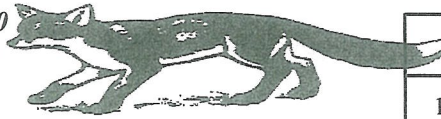
## WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



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



RECEIVED

DEC 20 2014

# Invoice

DATE	INVOICE #
12/18/2014	28137

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	Doc	Trego	Express Well Serv...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	6.00	240.00
576D-D	Pump Charge - Port Collar				1	Job	1,500.00	1,500.00
330	Swift Multi-Density Standard (MIDCON II)				140	Sacks	18.50	2,590.00T
276	Flocele				50	Lb(s)	2.50	125.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
104	Port Collar Tool Rental				1	Each	250.00	250.00T
581D	Service Charge Cement				200	Sacks	2.00	400.00
583D	Drayage				398.04	Ton Miles	1.00	398.04
	Subtotal							5,587.04
	Sales Tax Trego County						7.65%	233.25

**Thank You For Your Business & Best Wishes For A Wonderful Holiday Season!!**

**Total** \$5,820.29





CHARGE TO: Palmino Petroleum  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 28137

WELL/PROJECT NO. #1  
 LEASE DOC  
 COUNTY/PARISH Trego  
 RIG NAME NO.  
 STATE KS  
 CITY Utica  
 DATE 10 Dec 14  
 OWNER

PAGE 1 OF 1

1. SERVICE LOCATIONS Wichita KS

2. TICKET TYPE  SERVICE  SALES CONTRACTOR

3. WELL TYPE 071 WELL CATEGORY Development JOB PURPOSE count pot collar

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

WELL PERMIT NO.

WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					TRK 114		40	mi			6.50	240.00
576 D					Pump Charge		1	sq			1500.00	1500.00
33D					Sub cement		140	sk			18.50	2590.00
276					Floater		30	lb			2.50	75.00
29D					DAIR		2	gal			42.00	84.00
104					Pot collar tool rental		1	ea			250.00	250.00
583					Drillage						1.00	398.00
581					Service charge		200	sk			2.00	400.00

**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 [Signature] TIME SIGNED 11:00 AM

**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?

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 5587.00

TOTAL 5820.00

TAX 233.00

1290.00

7.65%

APPROVAL [Signature]

Thank You

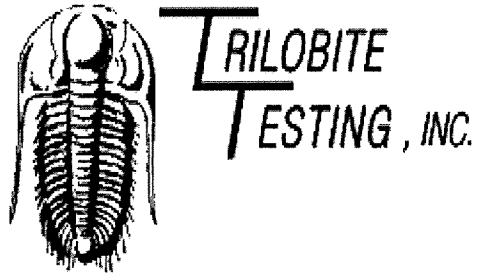
**JOB LOG**

**SWIFT Services, Inc.**

DATE 18 Dec 14 PAGE NO.

CUSTOMER Palomina Petroleum WELL NO. 1 LEASE DOC JOB TYPE Cement port collar TICKET NO. 28137

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sk 5MD cement w/ 4" fibrecrete 2 3/8 x 5 1/2 port collar 1800'
	1000							on loc TRK 114
	1020					1000	1000	test to 1000 psi - hold open port collar
	1023	3 1/2	2			400		inj rate 3 1/2 @ 400 psi
	1027	3 1/2				400		MIX 5MD cement @ 11.2 ppg
		3 1/2	5			400		- fluid to surface -
		3 1/2	76			700		- cement to surface - { 1405' <sup>12" wired</sup> to pit } 15'
			6					6 bbl Displacement H <sub>2</sub> O
	1055					1000	1000	close port collar test to 1000 psi - hold
	1105		20					Reverse hole clean - cement plug -  pull tool wash track Pack up
	1135							job complete  Hudon Blain, Flint & Rob



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

### Doc #1

#### 20-14s-25w Trego,KS

Start Date: 2014.12.07 @ 03:25:00

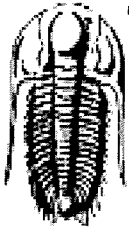
End Date: 2014.12.07 @ 10:38:00

Job Ticket #: 60648                      DST #: 1

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

Printed: 2014.12.11 @ 15:06:48

Palomino Petroleum  
20-14s-25w Trego,KS  
Doc #1  
DST # 1  
LKC "A-F"  
2014.12.07



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

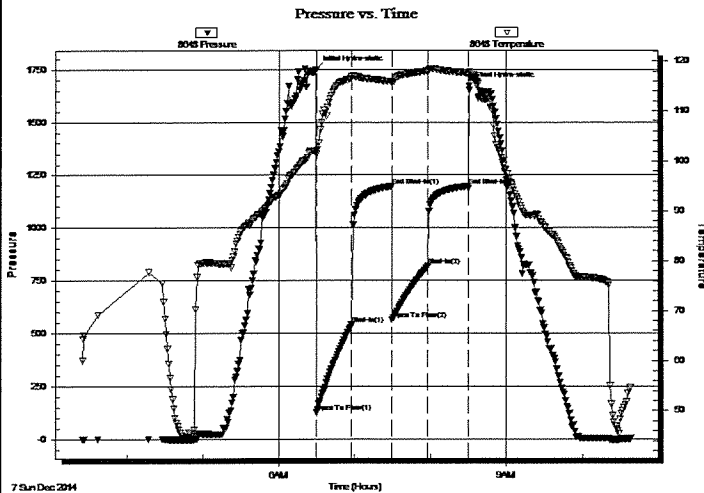
**20-14s-25w Trego,KS**  
**Doc #1**  
Job Ticket: 60648      **DST#: 1**  
Test Start: 2014.12.07 @ 03:25:00

## GENERAL INFORMATION:

Formation: **LKC "A-F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:29:45  
 Time Test Ended: 10:38:00  
 Interval: **3659.00 ft (KB) To 3728.00 ft (KB) (TVD)**  
 Total Depth: 3728.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Cody Bloedorn  
 Unit No: 73  
 Reference Elevations: 2355.00 ft (KB)  
 2350.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8648**      **Inside**  
 Press@RunDepth: 818.67 psig @ 3697.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.12.07      End Date: 2014.12.07  
 Start Time: 03:25:05      End Time: 10:37:59      Last Calib.: 2014.12.07  
 Time On Btm: 2014.12.07 @ 06:29:30  
 Time Off Btm: 2014.12.07 @ 08:30:30

**TEST COMMENT:** 30 - IF- B.O.B. in 2 minutes  
 30 - IS- Surface return, died in 17 minutes  
 30 - FF- B.O.B. in 3 minutes  
 30 - FS- Weak return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1749.17	102.06	Initial Hydro-static
1	125.54	101.42	Open To Flow (1)
29	539.65	116.84	Shut-In(1)
60	1196.75	115.90	End Shut-In(1)
60	562.92	115.57	Open To Flow (2)
89	818.67	118.00	Shut-In(2)
120	1198.23	117.63	End Shut-In(2)
121	1671.41	117.83	Final Hydro-static

## Recovery

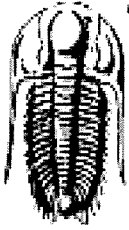
Length (ft)	Description	Volume (bbl)
1402.00	MW, 5%M, 95%W	18.57
248.00	WM, 30%W, 70%M	3.48

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

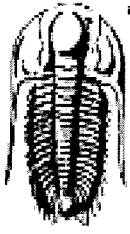
**20-14s-25w Trego,KS**  
**Doc #1**  
Job Ticket: 60648      **DST#: 1**  
Test Start: 2014.12.07 @ 03:25:00

**Tool Information**

Drill Pipe:	Length: 3543.00 ft	Diameter: 3.80 inches	Volume: 49.70 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 50.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3659.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	97.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3632.00	
Shut In Tool	5.00			3637.00	
Hydraulic tool	5.00			3642.00	
Jars	5.00			3647.00	
Safety Joint	3.00			3650.00	
Packer	5.00			3655.00	28.00      Bottom Of Top Packer
Packer	4.00			3659.00	
Stubb	1.00			3660.00	
Perforations	4.00			3664.00	
Change Over Sub	1.00			3665.00	
Drill Pipe	31.00			3696.00	
Change Over Sub	1.00			3697.00	
Recorder	0.00	8648	Inside	3697.00	
Recorder	0.00	8940	Outside	3697.00	
Perforations	28.00			3725.00	
Bullnose	3.00			3728.00	69.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>97.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**20-14s-25w Trego,KS**  
**Doc #1**  
Job Ticket: 60648      **DST#: 1**  
Test Start: 2014.12.07 @ 03:25:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	200000 ppm
Viscosity: 80.00 sec/qt	Cushion Volume:		
Water Loss: 7.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		
Salinity: 1300.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1402.00	MW, 5%M, 95%W	18.573
248.00	WM, 30%W, 70%M	3.479

Total Length: 1650.00 ft      Total Volume: 22.052 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Salinity: .09 @ 44 Degrees = 200000

Serial #: 8648

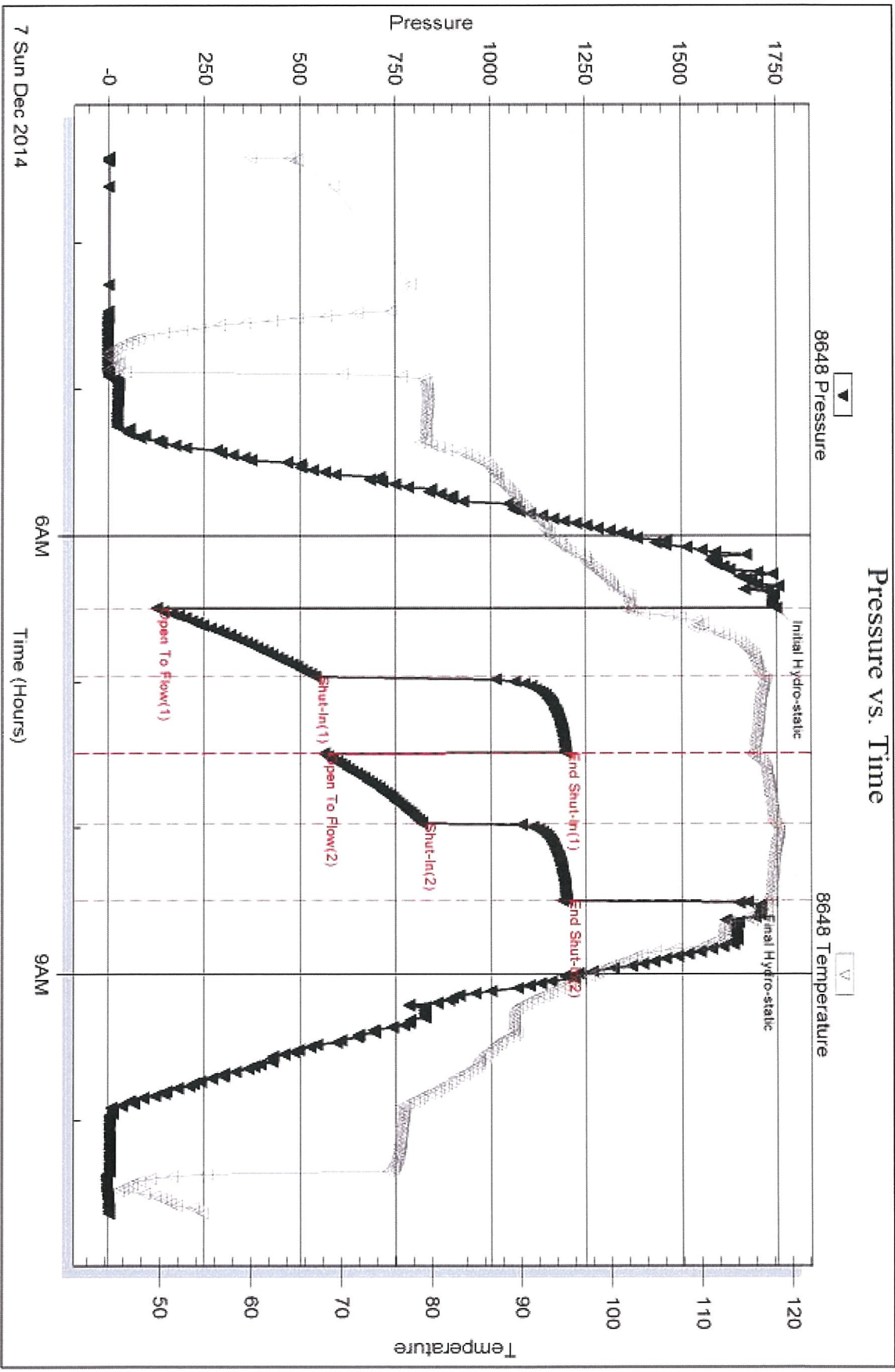
Inside

Palomino Petroleum

Doc #1

DST Test Number: 1

### Pressure vs. Time



Tribble Testing, Inc

Ref. No: 60648

Printed: 2014.12.11 @ 15:06:49

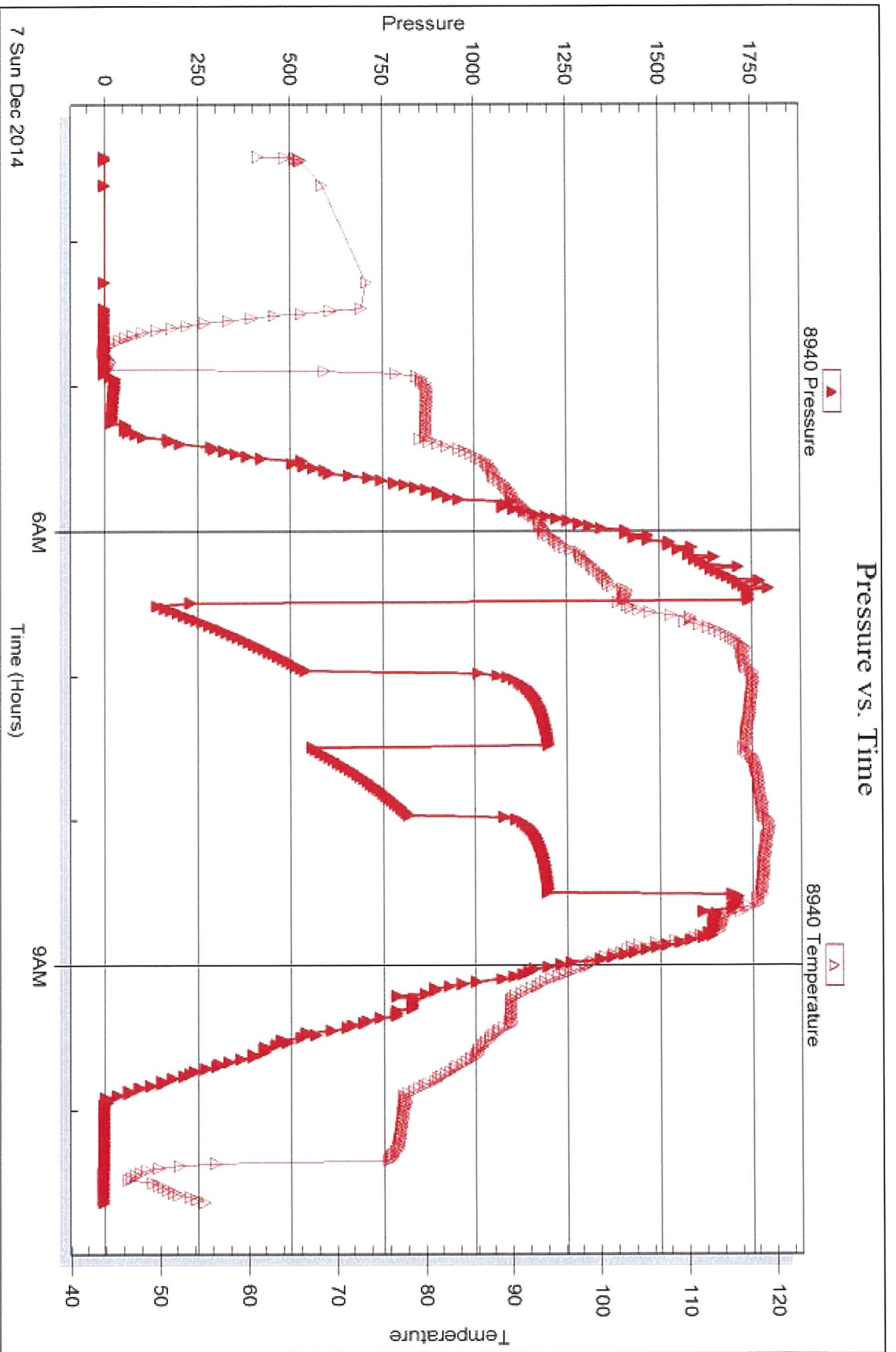


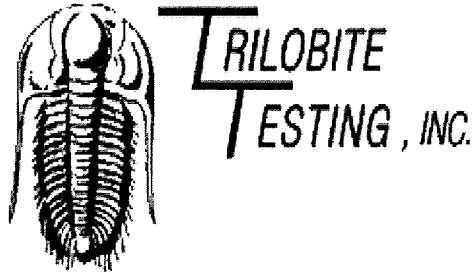
Serial #: 8940

Outside Palomino Petroleum

Doc #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

### Doc #1

#### 20-14s-25w Trego,KS

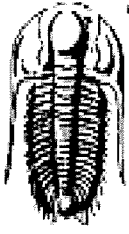
Start Date: 2014.12.07 @ 22:27:00

End Date: 2014.12.08 @ 06:28:30

Job Ticket #: 60649                      DST #: 2

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

Printed: 2014.12.11 @ 15:06:25



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**20-14s-25w Trego, KS**

**Doc #1**

Job Ticket: 60649

**DST#: 2**

Test Start: 2014.12.07 @ 22:27:00

## GENERAL INFORMATION:

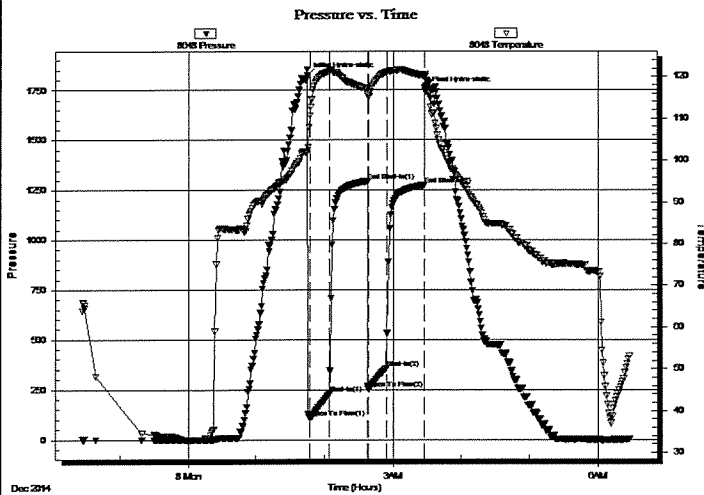
Formation: **Lansing**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:47:15  
 Time Test Ended: 06:28:30  
 Interval: **3832.00 ft (KB) To 3858.00 ft (KB) (TVD)**  
 Total Depth: 3858.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Cody Bloedorn  
 Unit No: 73  
 Reference Elevations: 2355.00 ft (KB)  
 2350.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8648

Inside

Press@RunDepth: 357.01 psig @ 3835.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.07 End Date: 2014.12.08 Last Calib.: 2014.12.08  
 Start Time: 22:27:05 End Time: 06:28:29 Time On Btm: 2014.12.08 @ 01:45:00  
 Time Off Btm: 2014.12.08 @ 03:28:00

TEST COMMENT: 20 - IF- B.O.B. in 1 minute  
 30 - IS- B.O.B. in 7 minutes  
 20 - FF- B.O.B. instantly  
 30 - FS- B.O.B. in 6 minutes



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.45	102.07	Initial Hydro-static
3	108.18	110.69	Open To Flow (1)
20	229.53	121.36	Shut-In(1)
53	1292.52	117.01	End Shut-In(1)
53	254.23	115.11	Open To Flow (2)
69	357.01	121.08	Shut-In(2)
103	1275.12	120.11	End Shut-In(2)
103	1745.43	120.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	GHOCM, 30%O, 30%M, 40%G	0.65
248.00	GO, 50%G, 50%O	3.48
620.00	GO, 40%G, 60%O	8.70
0.00	1922' of G.I.P.	0.00

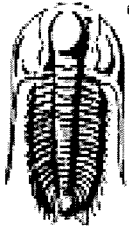
\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**20-14s-25w Trego,KS**  
**Doc #1**  
Job Ticket: 60649      **DST#: 2**  
Test Start: 2014.12.07 @ 22:27:00

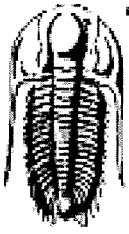
**Tool Information**

Drill Pipe:	Length: 3700.00 ft	Diameter: 3.80 inches	Volume: 51.90 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 52.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3832.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 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			3805.00	
Shut In Tool	5.00			3810.00	
Hydraulic tool	5.00			3815.00	
Jars	5.00			3820.00	
Safety Joint	3.00			3823.00	
Packer	5.00			3828.00	28.00      Bottom Of Top Packer
Packer	4.00			3832.00	
Stubb	1.00			3833.00	
Perforations	2.00			3835.00	
Recorder	0.00	8648	Inside	3835.00	
Recorder	0.00	8940	Outside	3835.00	
Perforations	20.00			3855.00	
Bullnose	3.00			3858.00	26.00      Bottom Packers & Anchor

**Total Tool Length: 54.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**20-14s-25w Trego,KS**  
**Doc #1**  
Job Ticket: 60649      **DST#: 2**  
Test Start: 2014.12.07 @ 22:27:00

### 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: ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6300.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GHOCM, 30%O, 30%M, 40%G	0.646
248.00	GO, 50%G, 50%O	3.479
620.00	GO, 40%G, 60%O	8.697
0.00	1922' of G.I.P.	0.000

Total Length: 992.00 ft      Total Volume: 12.822 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: Gravity: 31 @ 20 Degrees = 35

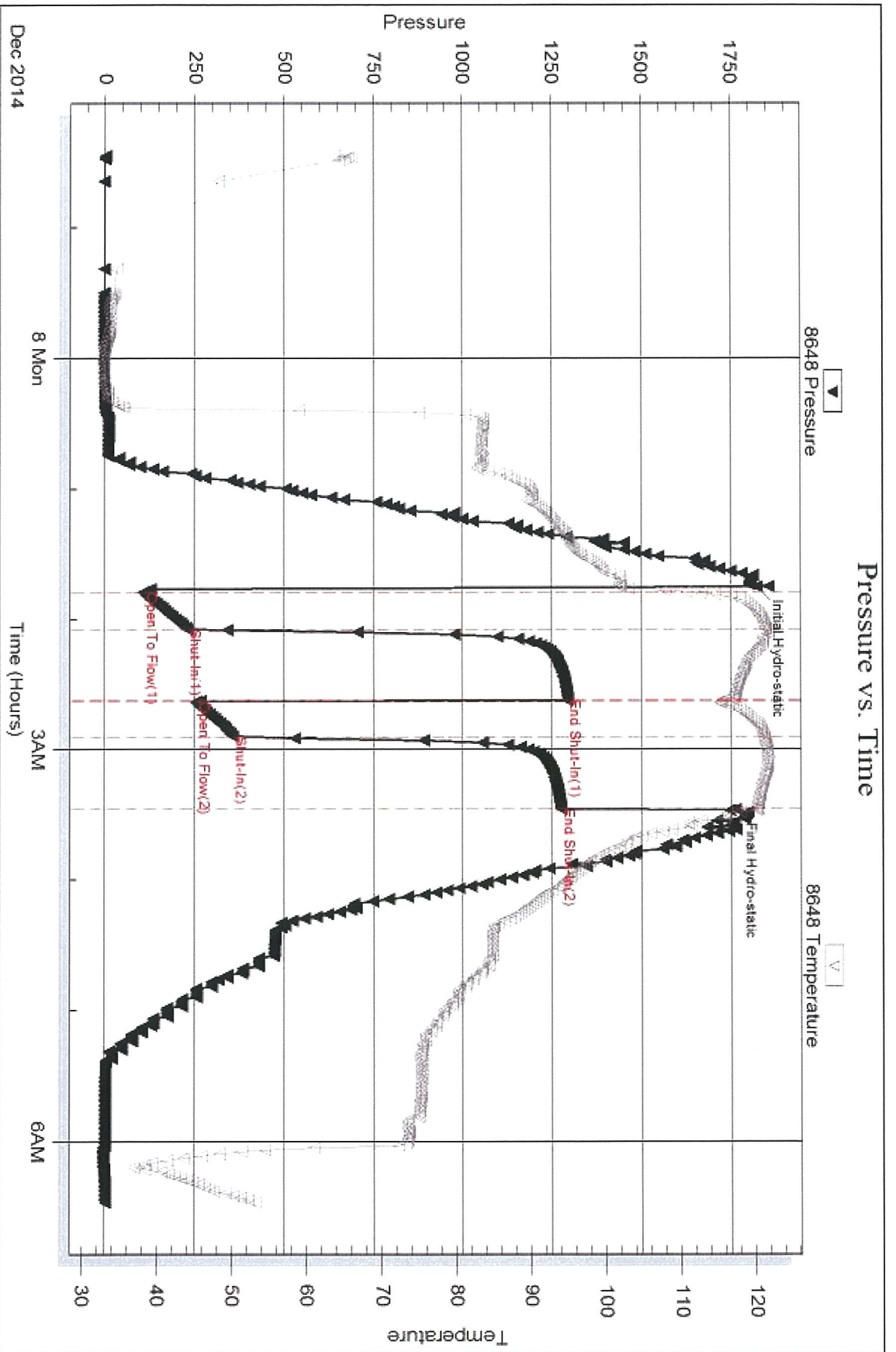
Serial #: 8648

Inside

Palomino Petroleum

Doc #1

DST Test Number: 2



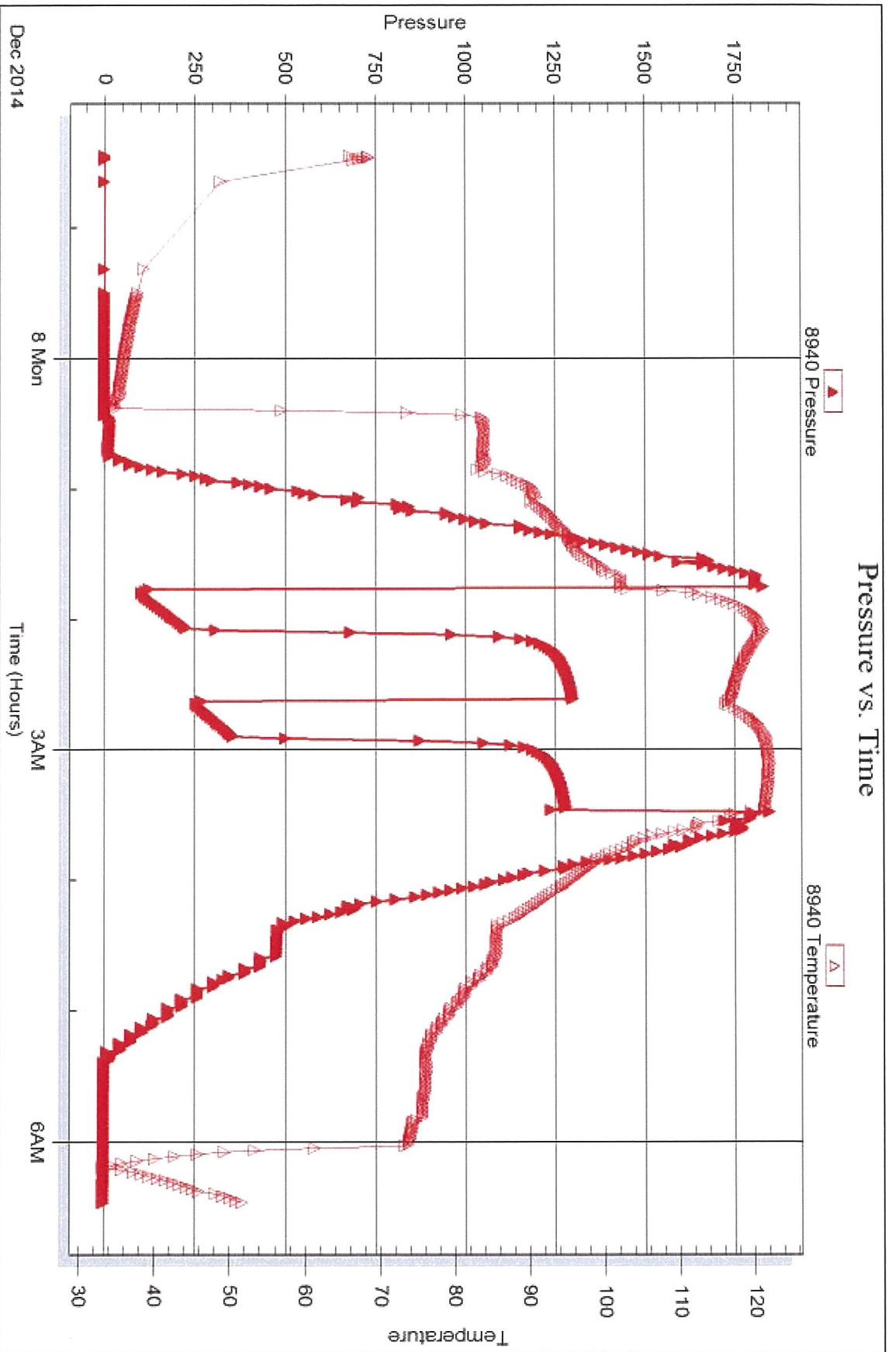
Serial #: 8940

Outside

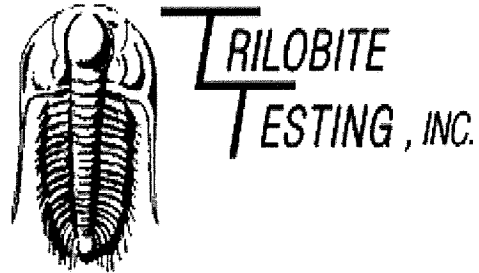
Palomino Petroleum

Doc #1

DST Test Number: 2







## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

### **Doc #1**

#### **20-14s-25w Trego,KS**

Start Date: 2014.12.08 @ 15:28:00

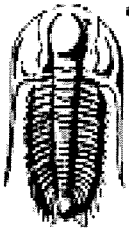
End Date: 2014.12.08 @ 21:06:45

Job Ticket #: 60650                      DST #: 3

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

Printed: 2014.12.11 @ 15:05:55

Palomino Petroleum    20-14s-25w Trego,KS    Doc #1    DST # 3    LKC "K"    2014.12.08



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**20-14s-25w Trego,KS**

**Doc #1**

Job Ticket: 60650

**DST#: 3**

Test Start: 2014.12.08 @ 15:28:00

## GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:11:45

Time Test Ended: 21:06:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: **3856.00 ft (KB) To 3925.00 ft (KB) (TVD)**

Total Depth: 3925.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2355.00 ft (KB)

2350.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8648**

**Inside**

Press@RunDepth: 95.55 psig @ 3894.00 ft (KB)

Start Date: 2014.12.08

End Date:

2014.12.08

Start Time: 15:28:05

End Time:

21:06:44

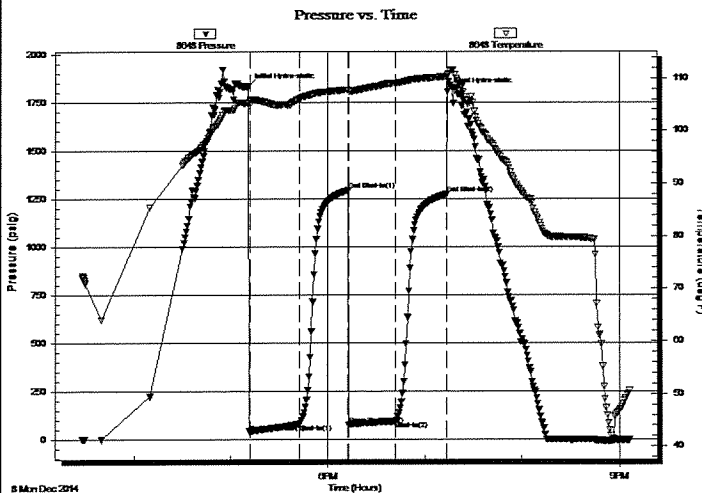
Capacity: 8000.00 psig

Last Calib.: 2014.12.08

Time On Btm: 2014.12.08 @ 17:10:45

Time Off Btm: 2014.12.08 @ 19:13:45

**TEST COMMENT:** 30 - IF- 7 1/2" blow  
30 - ISI- Surface return, died in 11 minutes  
30 - FF- B.O.B. in 9 minutes  
30 - FSI- Surface return, died in 14 minutes



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1833.15	105.24	Initial Hydro-static
1	38.21	105.69	Open To Flow (1)
32	80.12	106.10	Shut-In(1)
62	1294.22	107.79	End Shut-In(1)
62	76.69	107.47	Open To Flow (2)
91	95.55	109.02	Shut-In(2)
123	1274.61	110.28	End Shut-In(2)
123	1804.76	110.67	Final Hydro-static

## Recovery

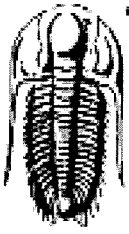
Length (ft)	Description	Volume (bbl)
62.00	GMCO, 20%G, 30%M, 50%O	0.30
62.00	GHOCM, 5%G, 45%O, 50%M	0.34
31.00	GOCM, 5%G, 15%O, 80%M	0.43
0.00	186' of G.I.P.	0.00

\* 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  
4924 SE 84th St  
New ton KS 67114  
ATTN: Ryan Seib

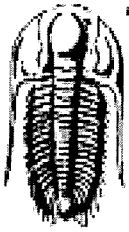
**20-14s-25w Trego,KS**  
**Doc #1**  
Job Ticket: 60650      **DST#: 3**  
Test Start: 2014.12.08 @ 15:28:00

### Tool Information

Drill Pipe:	Length: 3732.00 ft	Diameter: 3.80 inches	Volume: 52.35 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.94 bbl</u>	Tool Chased 15.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3856.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	97.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: 15' of fill, tool slid past it and then opened up.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3829.00	
Shut In Tool	5.00			3834.00	
Hydraulic tool	5.00			3839.00	
Jars	5.00			3844.00	
Safety Joint	3.00			3847.00	
Packer	5.00			3852.00	28.00      Bottom Of Top Packer
Packer	4.00			3856.00	
Stubb	1.00			3857.00	
Perforations	4.00			3861.00	
Change Over Sub	1.00			3862.00	
Drill Pipe	31.00			3893.00	
Change Over Sub	1.00			3894.00	
Recorder	0.00	8648	Inside	3894.00	
Recorder	0.00	8940	Outside	3894.00	
Perforations	28.00			3922.00	
Bullnose	3.00			3925.00	69.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>97.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**20-14s-25w Trego,KS**  
**Doc #1**  
Job Ticket: 60650      **DST#: 3**  
Test Start: 2014.12.08 @ 15:28:00

## 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:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5100.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GMCO, 20%G, 30%M, 50%O	0.305
62.00	GHOCM, 5%G, 45%O, 50%M	0.341
31.00	GOCM, 5%G, 15%O, 80%M	0.435
0.00	186' of G.I.P.	0.000

Total Length: 155.00 ft      Total Volume: 1.081 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



Serial #: 8648

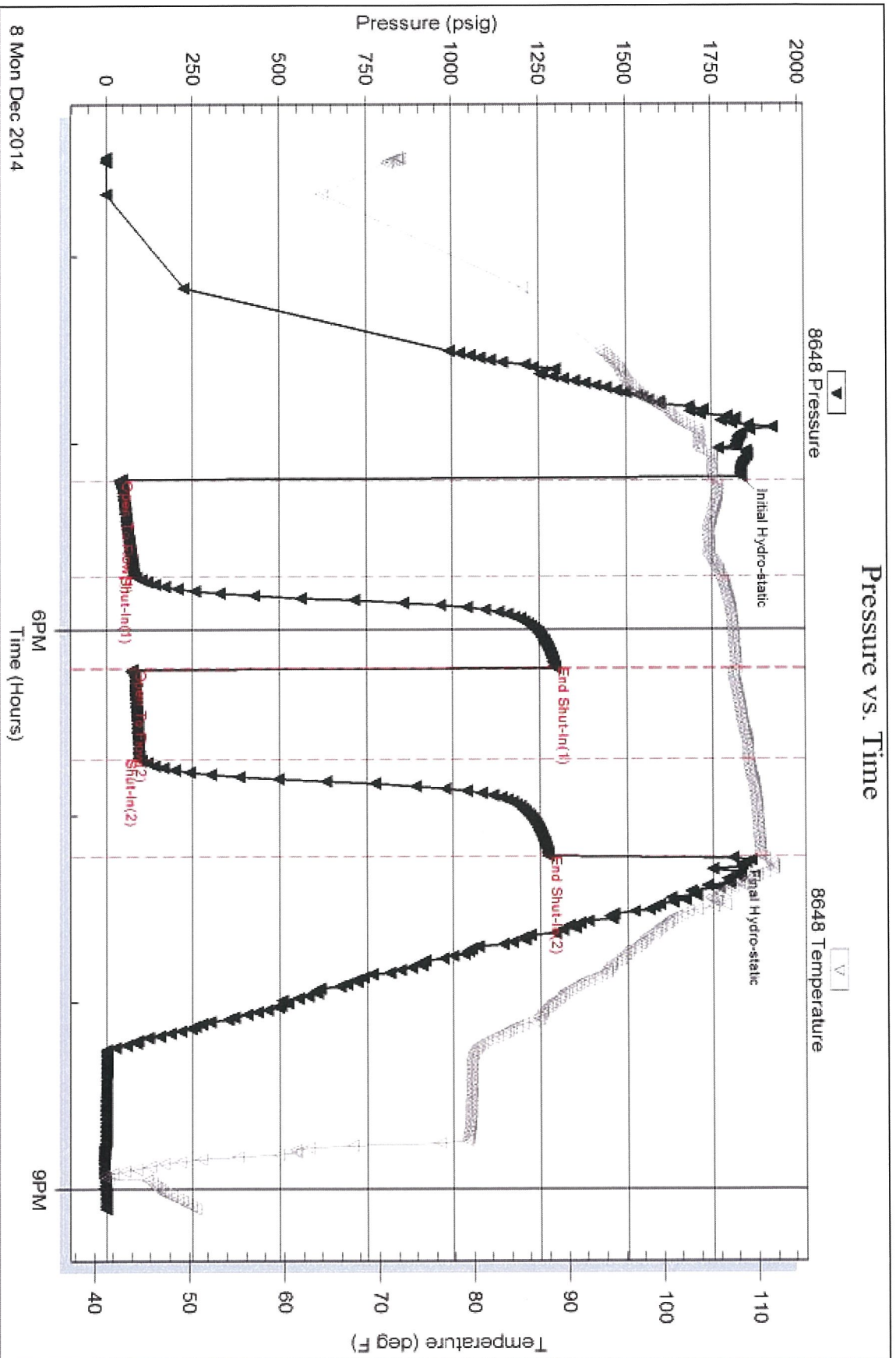
Inside

Palomino Petroleum

Doc #1

DST Test Number: 3

### Pressure vs. Time

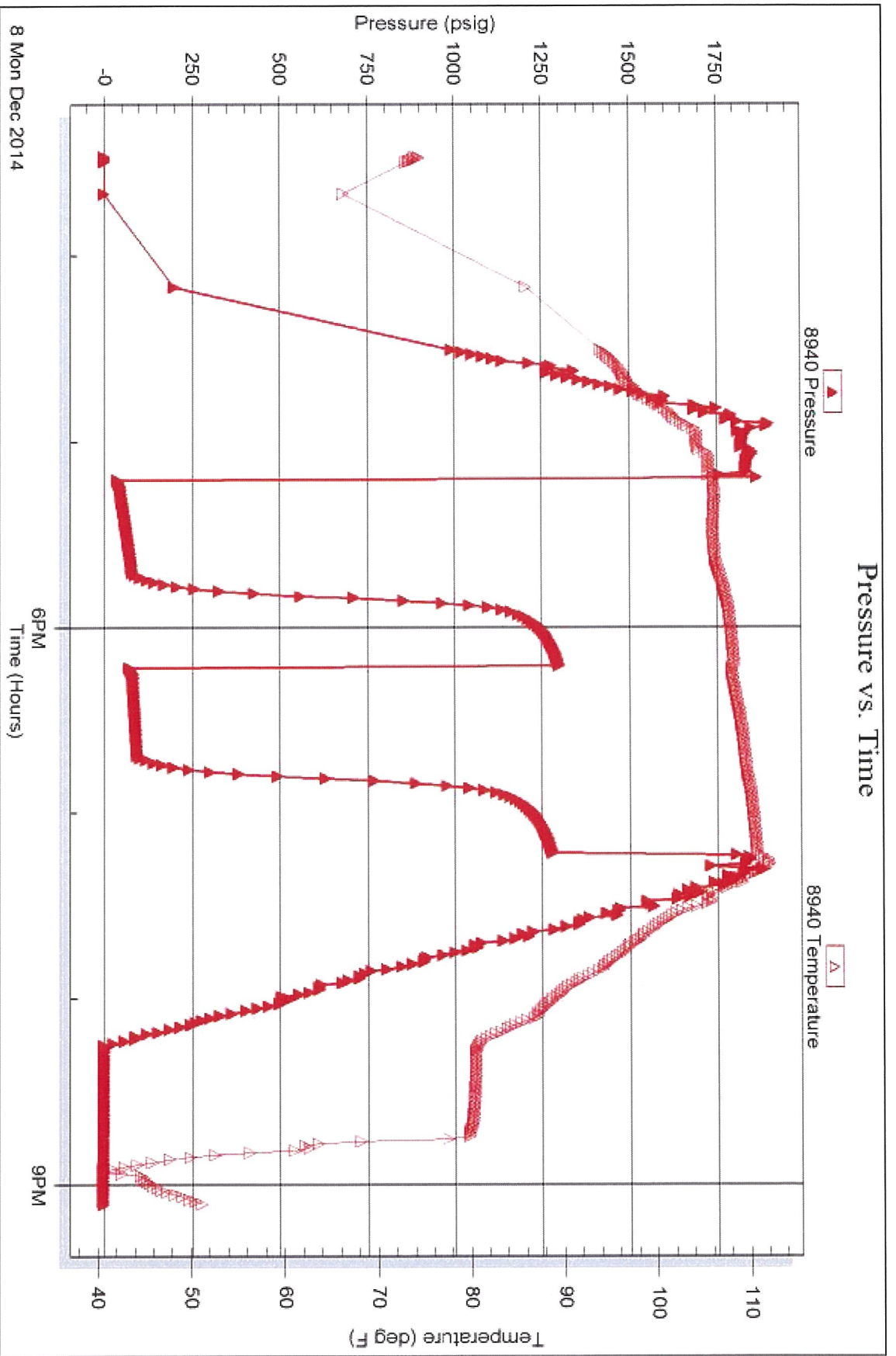


Serial #: 8940

Outside Palomino Petroleum

Doc #1

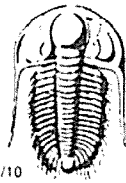
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 60650

Printed: 2014, 12, 11 @ 15:05:57



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60648

Well Name & No. Doc #1 Test No. 1 Date 12-07-14  
 Company Palomino Petroleum Elevation 2355 KB 23.50 GL  
 Address 4924~~SE~~ 8th St. Newton KS, 67114  
 Co. Rep / Geo. Ryan Scib Rig WW10  
 Location: Sec. 20 Twp. 14S Rge. 25W Co. Trego State KS

Interval Tested 3659-3728 Zone Tested LKC "A-F"  
 Anchor Length 69' Drill Pipe Run 3543' Mud Wt. 8.7  
 Top Packer Depth 3654 Drill Collars Run 120' Vis 80  
 Bottom Packer Depth 3659 Wt. Pipe Run — WL 7.2  
 Total Depth 3728 Chlorides 1300 ppm System LCM 2

Blow Description IF - B.O.B. in 2 minutes  
FSI - Surface return, died in 17 minutes  
FF - B.O.B. in 3 minutes  
FSI - Weak return.

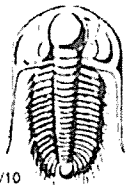
Rec	Feet of	%gas	%oil	%water	%mud
<u>1402</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
<u>248</u>	<u>WM</u>		<u>30</u>	<u>70</u>	

Rec Total 1650 BHT 117° Gravity — API RW .09 @ 44 °F Chlorides 200,000 ppm  
 (A) Initial Hydrostatic 1749  Test 1150 T-On Location 0305  
 (B) First Initial Flow 125  Jars 250 T-Started ~~0305~~ 0325  
 (C) First Final Flow 539  Safety Joint 75 T-Open 0631  
 (D) Initial Shut-In 1196  Circ Sub \_\_\_\_\_ T-Pulled 0831  
 (E) Second Initial Flow 562  Hourly Standby \_\_\_\_\_ T-Out 1039  
 (F) Second Final Flow 518  Mileage 139RT 122rt 189.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 1198  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1671  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1664.10  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1664.10

Approved By \_\_\_\_\_ Our Representative Cody Bell

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. 60649

Well Name & No. Doc # 1 Test No. 2 Date 12-7-14  
 Company Palomino Petroleum Elevation 2355 KB 2350 GL  
 Address 4924 SE 84th St. Newton KS, 67114  
 Co. Rep / Geo. Ryan Seib Rig WW10  
 Location: Sec. 20 Twp. 14S Rge. 25W Co. Trego State KS

Interval Tested 3832-3858 Zone Tested Lansing  
 Anchor Length 26' Drill Pipe Run 3700' Mud Wt. 8.8  
 Top Packer Depth 3827 Drill Collars Run 120' Vis 49  
 Bottom Packer Depth 3832 Wt. Pipe Run — WL 7.2  
 Total Depth 3858 Chlorides 6300 ppm System LCM 1

Blow Description IF - B.O.B. in 1 minute  
ISI - B.O.B. in 7 minutes  
FF - B.O.B. instantly  
FSI - B.O.B. in 6 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>GHOCM</u>	<u>40</u>	<u>30</u>	<u>30</u>	
<u>248</u>	<u>60</u>	<u>50</u>	<u>50</u>		
<u>620</u>	<u>60</u>	<u>40</u>	<u>60</u>		
<u>900</u>					
	<u>1922' G.I.P</u>				

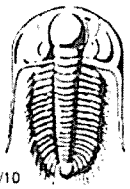
Rec Total 992' BHT 120° Gravity 35 API RW 31 @ 20° F Chlorides — ppm

(A) Initial Hydrostatic <u>1822</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2215</u>
(B) First Initial Flow <u>108</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2227</u>
(C) First Final Flow <u>229</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0147</u>
(D) Initial Shut-In <u>1292</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0327</u>
(E) Second Initial Flow <u>254</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0629</u>
(F) Second Final Flow <u>357</u>	<input checked="" type="checkbox"/> Mileage <u>139 RT</u> 189.10	Comments _____
(G) Final Shut-In <u>1275</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1745</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>20</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>20</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1664.10</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1664.10</u>	

Approved By \_\_\_\_\_ Our Representative Cody B...

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. 60650

Well Name & No. Doc #1 Test No. 3 Date 12-8-14  
 Company Palomino Petroleum Elevation 2355 KB 2350 GL  
 Address 4921 SE 84th St. Newton KS, 67114  
 Co. Rep / Geo. Ryan Seib Rig WW10  
 Location: Sec. 20 Twp. 14S Rge. 25W Co. Trego State KS

Interval Tested 3856 - 3925 Zone Tested Lansing "K"  
 Anchor Length 69' Drill Pipe Run 3732 Mud Wt. 9.0  
 Top Packer Depth 3851 Drill Collars Run 120' Vis 48  
 Bottom Packer Depth 3856 Wt. Pipe Run — WL 8.8  
 Total Depth 3925 Chlorides 5100 ppm System LCM TR

Blow Description IF - 7.5" blow - 15' fill, tool slid past & then opened.  
ISI - Surface return, died in 11 minutes  
FF - B.O.B. in 9 minutes  
FSI - Surface return, died in 14 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>6 HOCM</u>	<u>20</u>	<u>50</u>	<u>30</u>	
<u>62</u>	<u>6 HOCM</u>	<u>5</u>	<u>45</u>	<u>50</u>	
<u>31</u>	<u>6 OCM</u>	<u>5</u>	<u>15</u>	<u>80</u>	
<u>Rec</u>	<u>Feet of</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>
	<u>186' Gas in Pipe</u>				

Rec Total 155' BHT 110° Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 1833  Test 1150 T-On Location 1519  
 (B) First Initial Flow 38  Jars 250 T-Started 1528  
 (C) First Final Flow 80  Safety Joint 75 T-Open 1712  
 (D) Initial Shut-In 1294  Circ Sub — T-Pulled 1912  
 (E) Second Initial Flow 76  Hourly Standby — T-Out 2107  
 (F) Second Final Flow 95  Mileage 139 RT x 2 189.10 + 189.10 Comments Loaded tools  
 (G) Final Shut-In 1274  Sampler — 6:31 pm on 12-9-14  
 (H) Final Hydrostatic 1804  Straddle —  Ruined Shale Packer —  
 Shale Packer 250  Ruined Packer —

Initial Open 30  Extra Packer —  Extra Copies —  
 Initial Shut-In 30  Extra Recorder — Sub Total 0  
 Final Flow 30  Day Standby — Total 2103.20  
 Final Shut-In 30  Accessibility — MP/DST Disc't —  
 Sub Total 2103.20

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

Our Representative Cody [Signature]

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