

# SWIFT



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

RECEIVED

FEB 19 2014

## Invoice

DATE	INVOICE #
2/17/2014	25861

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	Mitten	Ness	Express Well Serv...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				35	Miles	6.00	210.00
576D-D	Pump Charge - Port Collar				1	Job	1,500.00	1,500.00
330	Swift Multi-Density Standard (MIDCON II)				160	Sacks	18.50	2,960.00T
276	Flocele				50	Lb(s)	2.50	125.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
104	5 1/2" Port Collar Tool Rental				1	Each	250.00	250.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				391.82	Ton Miles	1.00	391.82
	Subtotal							5,970.82
	Sales Tax Ness County						6.15%	210.27

**We Appreciate Your Business!**

**Total**

\$6,181.09



Services, Inc.

TICKET 25861

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

PAGE 1 OF 1

SERVICE LOCATIONS: Wichita KS WELL/PROJECT NO. 1 LEASE WITTEN COUNTY/PARISH NEAS STATE KS CITY Wichita DATE 17 Feb 14 OWNER \_\_\_\_\_  
 1. Wichita KS  
 2. TICKET TYPE  SERVICE CONTRACTOR \_\_\_\_\_ RIG NAME NO. \_\_\_\_\_ ORDER NO. \_\_\_\_\_  
 SALES  
 3. WELL TYPE \_\_\_\_\_ WELL CATEGORY Development JOB PURPOSE cement part collar WELL PERMIT NO. \_\_\_\_\_  
 4. REFERRAL LOCATION \_\_\_\_\_ INVOICE INSTRUCTIONS \_\_\_\_\_

PRICE TERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	35	mi			6.00	210.00
576D					TRK 114	1	ea			1500.00	1500.00
330					Pump Charge	1	ea			18.50	18.50
276					SMD cements	160	sk			2.50	2960.00
290					Fluore	50	lb			4.200	2100.00
583					D-rir	2	ea			1.00	391.82
581					Drayage	225	sk			2.00	450.00
104					Service charge	1	ea			250.00	250.00
					Port Collar Tool Rental						

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

PAGE TOTAL 5970.82

TAX 7.55

TOTAL 6181.09

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

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

1730  A.M.  P.M.

SWIFT OPERATOR

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

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

APPROVAL Palmino

Thank You!



JOB LOG

SWIFT Services, Inc.

DATE 17 Feb 14 PAGE NO. 1

CUSTOMER: *Petroleum* WELL NO. *1* LEASE *MITTEN* JOB TYPE *cement port collar* TICKET NO. *25861*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								225 sk 5MD cement w/ $\frac{1}{2}$ " floccula 2 $\frac{3}{4}$ " 52 port collar - 2030'
	0850							on bc TPK 114
	0820					1200	1200	test to 1200psi - hold
	0825							open port collar
		1 1/2	3			500		inj rate 1 1/2 @ 500
	0830	3				600		Mix 5MD cement @ 11.2 ppg
		3	4			700		- flood to surface -
		3	6			750		lose circ
		1	12			450		slow rate - Regain circulation -
	0915	1	85			300		- cement to surface -
								{ 160 sks to pit }
		1	10			200		Displace w/ H <sub>2</sub> O close port collar
	0925					1200	1200	test to 1200 - hold
	0930		30					Run 5 joints Reverse hole clean - 2 cement flocc -
	0950							wash truck pull tool Rack up
	1015							job complete Plugs Blow, Flush & ABG



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



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FEB 12 2014

# Invoice

DATE	INVOICE #
2/7/2014	25377

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	Mitten	Ness	Maverick Drilling	Oil	Development	Cement LongStri...	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				35	Miles	6.00	210.00
578D-L	Pump Charge - Long String - 4712 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
290	D-Air				3	Gallon(s)	42.00	126.00T
402-5	5 1/2" Centralizer				1	Each	70.00	70.00T
403-5	5 1/2" Cement Basket				2	Each	300.00	600.00T
404-5	5 1/2" Port Collar				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				8	Each	90.00	720.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
276	Flocele				25	Lb(s)	2.50	62.50T
283	Salt				500	Lb(s)	0.20	100.00T
284	Calseal				5	Sack(s)	35.00	175.00T
292	Halad 322				47	Lb(s)	8.00	376.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.50	2,312.50T
276	Flocele				32	Lb(s)	2.50	80.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				400.44	Ton Miles	1.00	400.44
	Subtotal							13,107.44
	Sales Tax Ness County						6.15%	648.64

**We Appreciate Your Business!**

**Total**

\$13,756.08





Services, Inc.

TICKET 25377

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

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hess, KS</u>	#1	<u>Wilton</u>	<u>Ness</u>	<u>KS</u>		<u>2-7-14</u>	
2. <u>Ness Co, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Ma Service</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Oilfield</u>	JOB PURPOSE <u>Cement Longstring</u>	<u>Wilton, KS</u>	<u>Wilton, KS</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #113	35	mi			600	210.00
578		1			Pump Charge - cut Longstring	1	ea	4712	ft	150000	150000
221		1			Liquid KCL	4	gal			2500	10000
281		1			Water Flush	5	gal			125	625.00
290		1			D-Air	3	gal			4800	12600
402		1			Realizer	1	ea	5 1/2	in	7000	7000
403		1			Cement Baskets	2	ea	5 1/2	in	30000	60000
404		1			Part Dollar	1	ea	5 1/2	in	29000	29000
406		1			Latex Down Plug & Baffle	1	ea	5 1/2	in	27500	27500
407		1			Insert Float Shoe w/ Auto-Roll	1	ea	5 1/2	in	37500	37500
409		1			Turbolizers	8	ea	5 1/2	in	9000	72000
419		1			Rotating Head Rental	1	ea	5 1/2	in	20000	20000

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

DATE SIGNED: 2-7-14 TIME SIGNED: 1800  A.M.  P.M.

SWIFT OPERATOR: Alon Swann 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"/>

UN-DECIDED	DIS-AGREE		
7701.00	5406.44	13107.43	13,107.43
SUBTOTAL		13,107.43	13,107.43
TAX		648.64	648.64
TOTAL		13,756.07	13,756.07

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. 253797

CUSTOMER *Admiral Robinson*

WEIGHT *#1 written*

DATE *2-7-14*

PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WEIGHT				UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	UM	QTY	UM			
<i>295</i>		<i>2</i>				<i>Standard Cement</i>	<i>200</i>	<i>SKS</i>	<i>9400</i>	<i>lbs</i>		<i>1450</i>	<i>1450.00</i>
<i>296</i>		<i>2</i>				<i>Flacite</i>	<i>95</i>	<i>lbs</i>				<i>250</i>	<i>23750</i>
<i>283</i>		<i>2</i>				<i>Salt</i>	<i>500</i>	<i>lbs</i>				<i>90</i>	<i>10000</i>
<i>284</i>		<i>2</i>				<i>Calson</i>	<i>470</i>	<i>lbs</i>		<i>5</i>	<i>SKS</i>	<i>3500</i>	<i>17500</i>
<i>292</i>		<i>2</i>				<i>Heilad - 332</i>	<i>477</i>	<i>lbs</i>				<i>800</i>	<i>37600</i>
<i>330</i>		<i>2</i>				<i>SAND Cement</i>	<i>125</i>	<i>SKS</i>	<i>13400</i>	<i>lbs</i>		<i>1850</i>	<i>2312.50</i>
<i>276</i>		<i>2</i>				<i>Flacite</i>	<i>32</i>	<i>lbs</i>				<i>265</i>	<i>8000</i>
<i>581</i>		<i>2</i>				SERVICE CHARGE						<i>200</i>	<i>4320</i>
<i>583</i>		<i>2</i>				MILEAGE CHARGE	<i>20882</i>					<i>100</i>	<i>500.14</i>
						LOADED MILES	<i>95</i>						
						CUBIC FEET	<i>225</i>	<i>SKS</i>					
						TON MILES	<i>400.435</i>						

CONTINUATION TOTAL *5406.4*



JOB LOG

SWIFT Services, Inc.

DATE 7-14 PAGE NO. 7

CUSTOMER *Palomina Petroleum* WELL NO. *#1* LEASE *Mitten* JOB TYPE *Cement Logging* TICKET NO. *25377*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TD 4716'	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
	1730					14 3/4"	5 1/2"		ON location - F.E. Rig LD D.C.
	2030								Start 5 1/2" casing - 14 3/4" to KB-4712'
									Insert Float Shoe w/ Auto-Fill 119.7
									L.D. Baffle - 55-43' @ 7673 = (114 BBL)
									Cent. Turbas - 1-2-3-5-9-11-13-63
									Reg. Cent on It. #7
									Cent. Baskets pin end # 2 to 64
									(Port Collar #64 @ 2031')
									Drop Full-up ball - 5 Its out
	2240								Fin run casing - Tes
									Fill casing
	2300								Start CIR / Retate
									Fin CIR
			9 6						Plug RT-30 SKS MH 20 SKS
		6	12				300		Pump 500 gal MWD flush
		6	20				300		Pump 20 BBL KCL Flush
		5	28				300		Start 75 SKS SMD @ 12.7 gal
		5	24				200		Start 100 SKS EA-2 @ 15.5 gal
	0100	4					Whe		Fin cut - Wash Pump Lines
									Drop L.D. Plug -
	2105	9					300		Start Disp - 15 BBL KCL 1st
		9	85				400		Caught lift
		8 7	95/100				700		slow rate
		6	113				1000		cir lift press
	0120		114				1500		Plug Down - Hold - Release & Hold
	0130								Job Complete
									Wash up & Reakup
	0200								Thanks Ken, Jon & Isaac



**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

FEB 03 2014

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 265681

Invoice Date: 01/30/2014 Terms: 10/10/30,n/30

Page 1

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

MITTEN #1  
43030  
28-16S-26W  
01-28-2014  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	175.00	18.5500	3246.25
1102	CALCIUM CHLORIDE (50#)	494.00	.9400	464.36
1118B	PREMIUM GEL / BENTONITE	329.00	.2700	88.83
1111	SODIUM CHLORIDE (GRANULA)	100.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-379.94
9995-130	CEMENT EQUIPMENT DISCOUNT	-183.81

Description	Hours	Unit Price	Total
693 TON MILEAGE DELIVERY	1.00	504.35	504.35
57 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
57 EQUIPMENT MILEAGE (ONE WAY)	35.00	5.25	183.75

Amount Due 5871.20 if paid after 03/01/2014

Parts:	3799.44	Freight:	.00	Tax:	210.29	AR	5284.08
Labor:	.00	Misc:	.00	Total:	5284.08		
Sublt:	-563.75	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-8822

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914

CUSHING, OK  
918/225-2650





**CONSOLIDATED**  
Oil Well Services, LLC

265681

TICKET NUMBER 43030

LOCATION Jakoby Co.

FOREMAN Dauer

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

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

Ko.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1/28/14	6285	Mitten #1	28	16S	26W	Ness
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Palomino Petroleum			57	Cory		
MAILING ADDRESS			693	Jeff		
4924 SE 84th St.				Michael		
CITY	STATE	ZIP CODE				
Newton	Ks	67114-8827				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 242 CASING SIZE & WEIGHT 8 7/8, 23"  
 CASING DEPTH 241 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 20'  
 DISPLACEMENT 14.20 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Setty Meeting Rig up on MAURICK 108 Run casing Break Circulation  
With Rig Pump Hook up to Pump truck mix 175 SKs Com. 3%CC 2%Gel Wash up  
Pump Lines Displace with 14.20 bbl water Shut in Rig Down

Cement Did Circulate

Approx 5 bbl To Pit

Thanks Dauer + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	\$1150.00	\$1150.00
5406	35	MILEAGE	\$5.25	\$183.75
5407A	8.23	Ton Mileage Delivery	\$1.75	\$504.35
1104 S	175 SKs	Class 'A' Cement	\$18.55	\$3246.25
1102	494#	Calcium Chloride	\$ .94	\$464.36
1118 B	329#	Bentonite	\$ .27	\$88.83
1111	100#	Salt	NC	NC
			SubTotal	\$5637.54
			Less 10%	\$563.75
			SubTotal	\$5073.79
			SALES TAX	210.29
			ESTIMATED	
			TOTAL	\$5284.08

**completed**

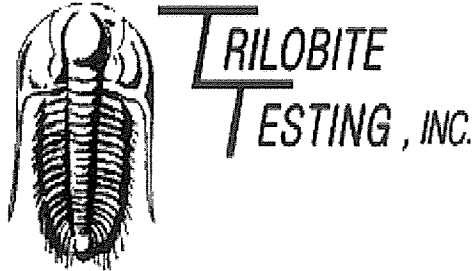
6.15

AUTHORIZATION [Signature]

TITLE Toolpusher

DATE 1-28-2014

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.



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Andrew Stenezel

### **Mitten #1**

### **28-16s-26w Ness,KS**

Start Date: 2014.02.03 @ 04:15:02

End Date: 2014.02.03 @ 11:42:32

Job Ticket #: 55629                      DST #: 1

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

Printed: 2014.02.07 @ 11:48:13

Palomino Petroleum    28-16s-26w Ness,KS    Mitten #1    DST # 1    Lansing    2014.02.03





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**28-16s-26w Ness, KS**  
**Mitten #1**  
 Job Ticket: 55629      **DST#: 1**  
 Test Start: 2014.02.03 @ 04:15:02

## GENERAL INFORMATION:

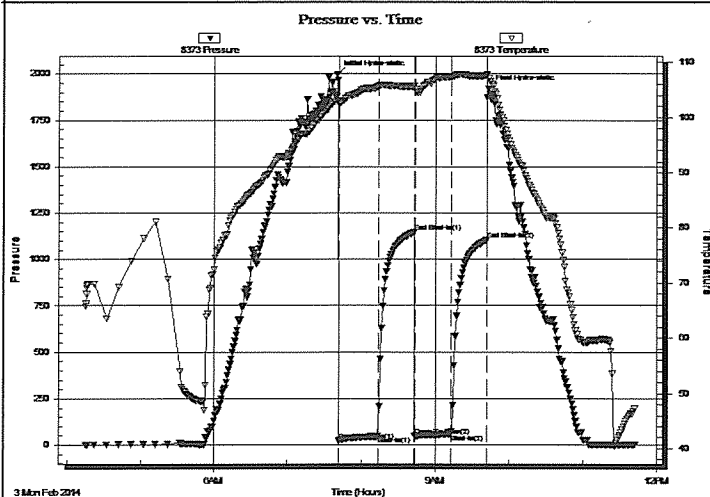
Formation: **Lansing**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 07:42:02  
 Time Test Ended: 11:42:32  
 Interval: **3966.00 ft (KB) To 4062.00 ft (KB) (TVD)**  
 Total Depth: 4062.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brandon Turley  
 Unit No: 60  
 Reference Elevations: 2657.00 ft (KB)  
 2649.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8373

Inside

Press@RunDepth: 59.99 psig @ 3967.00 ft (KB)  
 Start Date: 2014.02.03      End Date: 2014.02.03  
 Start Time: 04:15:07      End Time: 11:42:31  
 Capacity: 8000.00 psig  
 Last Calib.: 2014.02.03  
 Time On Btm: 2014.02.03 @ 07:40:32  
 Time Off Btm: 2014.02.03 @ 09:43:02

TEST COMMENT: IF: 1/4" blow built to 3 1/2"  
 IS: No return.  
 FF: Surface blow built to 2"  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.58	103.04	Initial Hydro-static
2	22.82	102.65	Open To Flow (1)
33	45.74	105.62	Shut-In(1)
62	1146.73	105.64	End Shut-In(1)
63	48.59	105.08	Open To Flow (2)
92	59.99	107.39	Shut-In(2)
121	1103.78	107.57	End Shut-In(2)
123	1917.87	107.02	Final Hydro-static

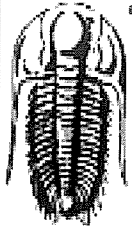
## Recovery

Length (ft)	Description	Volume (bbl)
93.00	w cm 2%w 98%m	1.02

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**28-16s-26w Ness,KS**

4924 SE 84th St  
New ton, KS 67114

**Mitten #1**

Job Ticket: 55629

**DST#: 1**

ATTN: Andrew Stenezel

Test Start: 2014.02.03 @ 04:15:02

### Tool Information

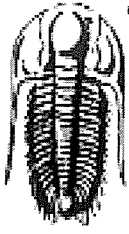
Drill Pipe:	Length: 3911.00 ft	Diameter: 3.80 inches	Volume: 54.86 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 55.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3966.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	124.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3939.00	
Shut In Tool	5.00			3944.00	
Hydraulic tool	5.00			3949.00	
Jars	5.00			3954.00	
Safety Joint	3.00			3957.00	
Packer	5.00			3962.00	28.00 Bottom Of Top Packer
Packer	4.00			3966.00	
Stubb	1.00			3967.00	
Recorder	0.00	8373	Inside	3967.00	
Recorder	0.00	8356	Outside	3967.00	
Perforations	25.00			3992.00	
Change Over Sub	1.00			3993.00	
Drill Pipe	63.00			4056.00	
Change Over Sub	1.00			4057.00	
Bullnose	5.00			4062.00	96.00 Bottom Packers & Anchor

**Total Tool Length: 124.00**





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**28-16s-26w Ness,KS**

4924 SE 84th St  
Newton, KS 67114

**Mitten #1**

Job Ticket: 55629

**DST#: 1**

ATTN: Andrew Stenezel

Test Start: 2014.02.03 @ 04:15:02

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	w cm 2%w 98%m	1.022

Total Length: 93.00 ft

Total Volume: 1.022 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

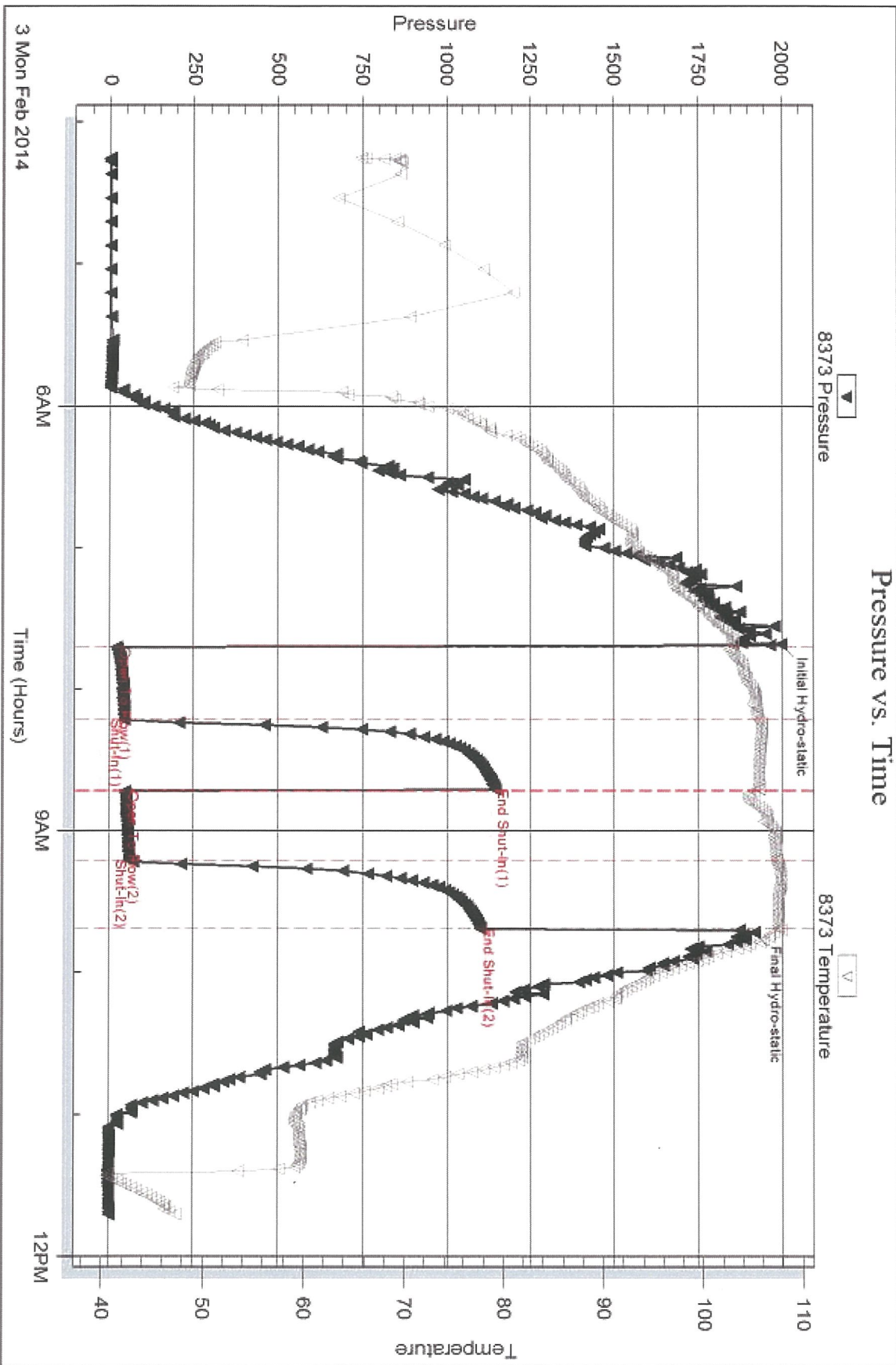
Serial #: 8373

Inside

Palomino Petroleum

Mitten #1

DST Test Number: 1

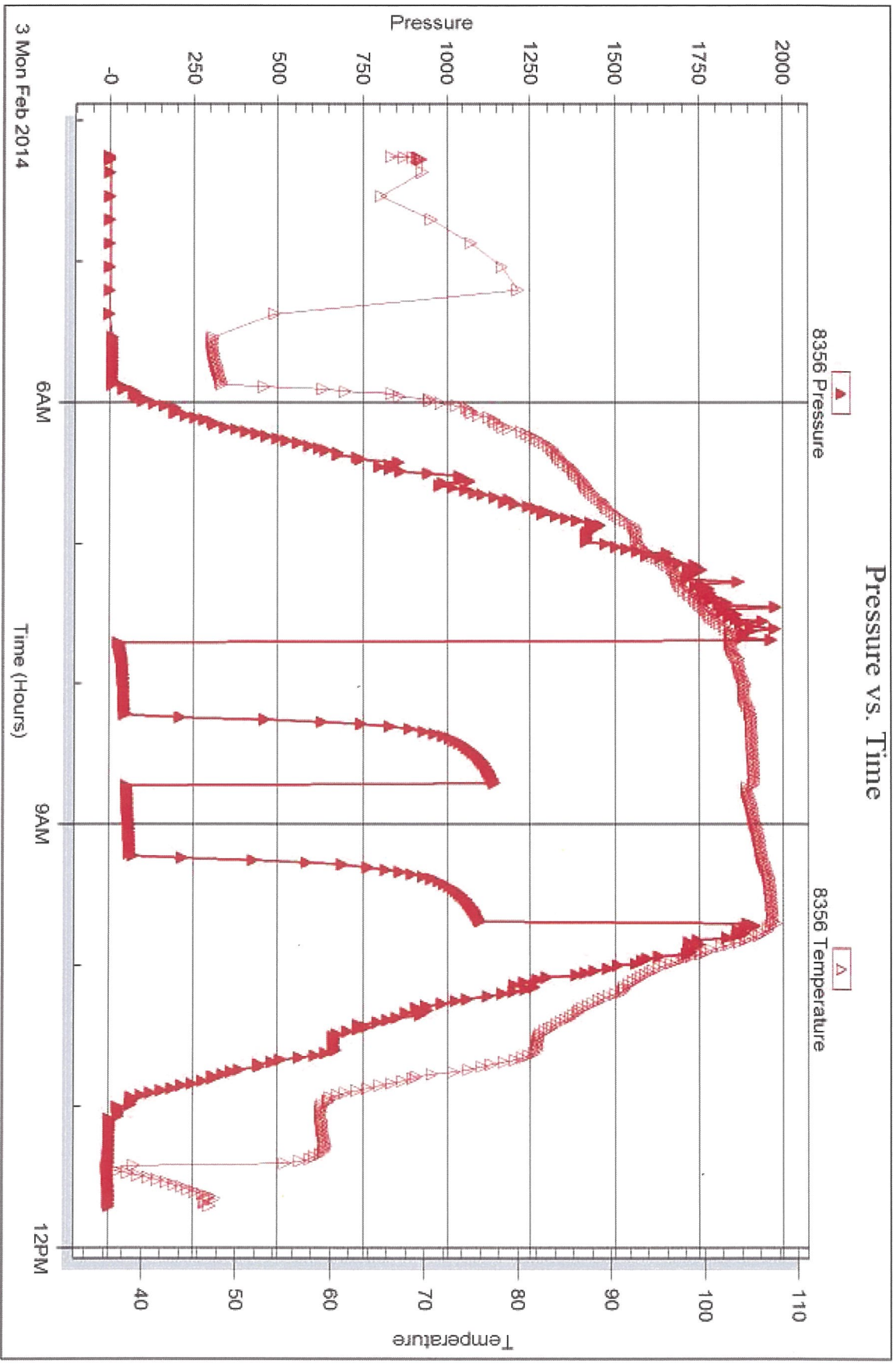


Serial #: 8356

Outside Palominio Petroleum

Well #1

DST Test Number: 1

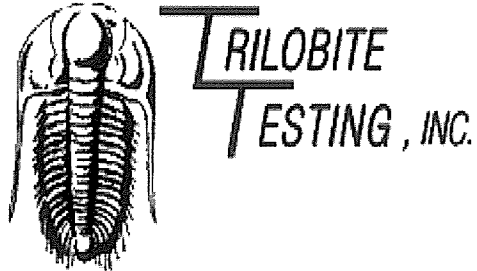


Tribble Testing, Inc

Ref. No: 55629

Printed: 2014.02.07 @ 11:48:16





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Andrew Stenezel

### **Mitten #1**

### **28-16s-26w Ness,KS**

Start Date: 2014.02.05 @ 15:47:57

End Date: 2014.02.06 @ 00:56:57

Job Ticket #: 55630                      DST #: 2

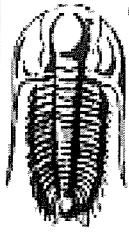
Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.02.07 @ 11:47:47









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**28-16s-26w Ness,KS**

4924 SE 84th St  
Newton, KS 67114

**Mitten #1**

Job Ticket: 55630

**DST#: 2**

ATTN: Andrew Stenezel

Test Start: 2014.02.05 @ 15:47:57

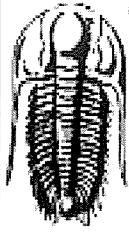
**Tool Information**

Drill Pipe:	Length: 4470.00 ft	Diameter: 3.80 inches	Volume: 62.70 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 62.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4512.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	108.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4485.00	
Shut In Tool	5.00			4490.00	
Hydraulic tool	5.00			4495.00	
Jars	5.00			4500.00	
Safety Joint	3.00			4503.00	
Packer	5.00			4508.00	28.00 Bottom Of Top Packer
Packer	4.00			4512.00	
Stubb	1.00			4513.00	
Recorder	0.00	8373	Inside	4513.00	
Recorder	0.00	8356	Outside	4513.00	
Perforations	9.00			4522.00	
Change Over Sub	1.00			4523.00	
Drill Pipe	63.00			4586.00	
Change Over Sub	1.00			4587.00	
Bullnose	5.00			4592.00	80.00 Bottom Packers & Anchor

**Total Tool Length: 108.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**28-16s-26w Ness,KS**

4924 SE 84th St  
New ton, KS 67114

**Mitten #1**

Job Ticket: 55630

**DST#: 2**

ATTN: Andrew Stenezel

Test Start: 2014.02.05 @ 15:47:57

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
112.00	ocm 20%o 80%m	1.289

Total Length: 112.00 ft

Total Volume: 1.289 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8373

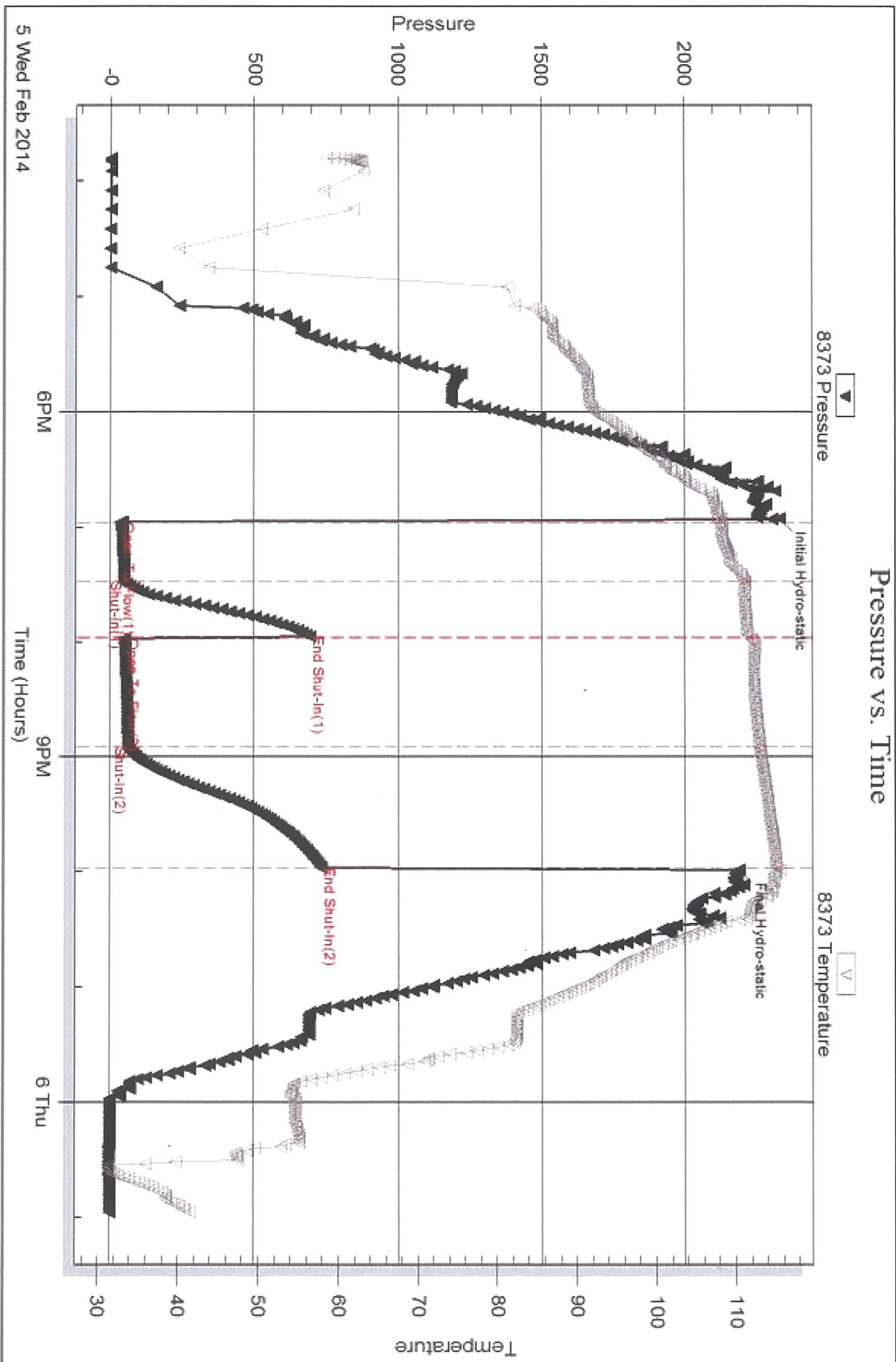
Inside

Palomino Petroleum

Mitten #1

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 55630

Printed: 2014.02.07 @ 11:47:50

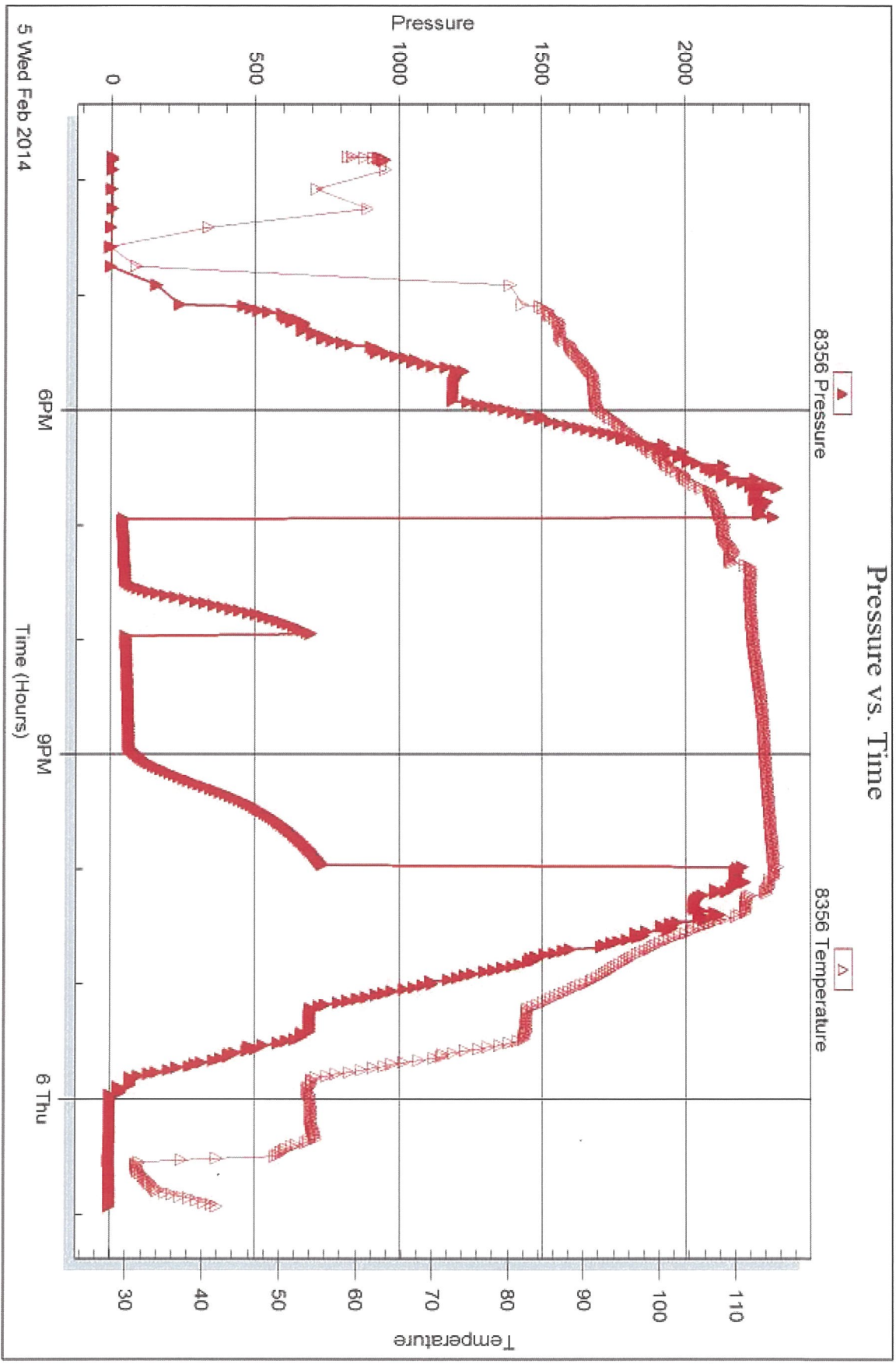


Serial #: 8356

Outside Palomino Petroleum

Well #1

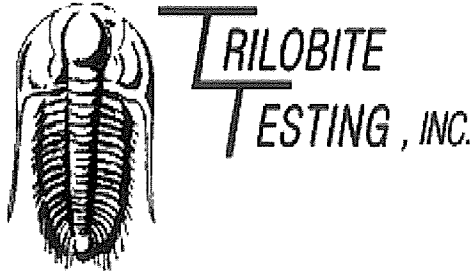
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 55630

Printed: 2014.02.07 @ 11:47:50



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Andrew Stenezel

### **Mitten #1**

### **28-16s-26w Ness,KS**

Start Date: 2014.02.06 @ 21:45:04

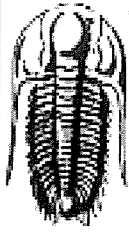
End Date: 2014.02.07 @ 09:02:34

Job Ticket #: 55631                      DST #: 3

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

Printed: 2014.02.07 @ 11:46:58

Palomino Petroleum    28-16s-26w Ness,KS    Mitten #1    DST # 3    Fl Scott    2014.02.06



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

**28-16s-26w Ness,KS**

4924 SE 84th St  
New ton, KS 67114

**Mitten #1**

Job Ticket: 55631

**DST#: 3**

ATTN: Andrew Stenezel

Test Start: 2014.02.06 @ 21:45:04

## GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:51:04

Time Test Ended: 09:02:34

Test Type: Conventional Straddle (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **4444.00 ft (KB) To 4511.00 ft (KB) (TVD)**

Reference Elevations: 2657.00 ft (KB)

Total Depth: 4715.00 ft (KB) (TVD)

2649.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 8373** Inside

Press@RunDepth: 344.77 psig @ 4445.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.06

End Date: 2014.02.07

Last Calib.: 2014.02.07

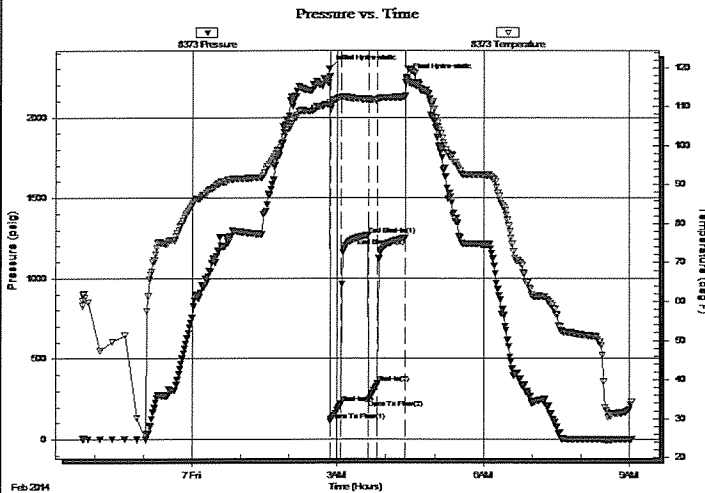
Start Time: 21:45:09

End Time: 09:02:34

Time On Btm: 2014.02.07 @ 02:49:34

Time Off Btm: 2014.02.07 @ 04:25:04

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



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2303.73	110.65	Initial Hydro-static
2	115.40	110.40	Open To Flow (1)
15	222.80	112.29	Shut-In(1)
48	1268.79	111.93	End Shut-In(1)
49	245.25	111.50	Open To Flow (2)
60	344.77	111.63	Shut-In(2)
94	1249.38	112.52	End Shut-In(2)
96	2246.03	117.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcgo 40%g 30%o 30%m	2.33
640.00	mcgo 40%g 50%o 10%m	8.98

\* Recovery from multiple tests

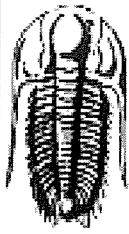
## Gas Rates

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









**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**28-16s-26w Ness,KS**

4924 SE 84th St  
New ton, KS 67114

**Mitten #1**

Job Ticket: 55631

**DST#: 3**

ATTN: Andrew Stenezel

Test Start: 2014.02.06 @ 21:45:04

### Tool Information

Drill Pipe:	Length: 4405.00 ft	Diameter: 3.80 inches	Volume: 61.79 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 61.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4444.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	4507.00 ft			
Interval between Packers:	63.00 ft			
Tool Length:	299.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4417.00	
Shut In Tool	5.00			4422.00	
Hydraulic tool	5.00			4427.00	
Jars	5.00			4432.00	
Safety Joint	3.00			4435.00	
Packer	5.00			4440.00	28.00 Bottom Of Top Packer
Packer	4.00			4444.00	
Stubb	1.00			4445.00	
Recorder	0.00	8373	Inside	4445.00	
Recorder	0.00	8356	Outside	4445.00	
Perforations	5.00			4450.00	
Change Over Sub	1.00			4451.00	
Drill Pipe	32.00			4483.00	
Change Over Sub	1.00			4484.00	
Perforations	22.00			4506.00	
Blank Off Sub	1.00			4507.00	63.00 Tool Interval
Packer	4.00			4511.00	
Stubb	1.00			4512.00	
Perforations	7.00			4519.00	
Change Over Sub	1.00			4520.00	
Recorder	0.00	8360	Below	4520.00	
Drill Pipe	189.00			4709.00	
Change Over Sub	1.00			4710.00	
Bullnose	5.00			4715.00	208.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>299.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**28-16s-26w Ness,KS**

4924 SE 84th St  
New ton, KS 67114

**Mitten #1**

Job Ticket: 55631

**DST#: 3**

ATTN: Andrew Stenezel

Test Start: 2014.02.06 @ 21:45:04

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	mcgo 40%g 30%o 30%m	2.327
640.00	mcgo 40%g 50%o 10%m	8.978

Total Length: 826.00 ft

Total Volume: 11.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8373

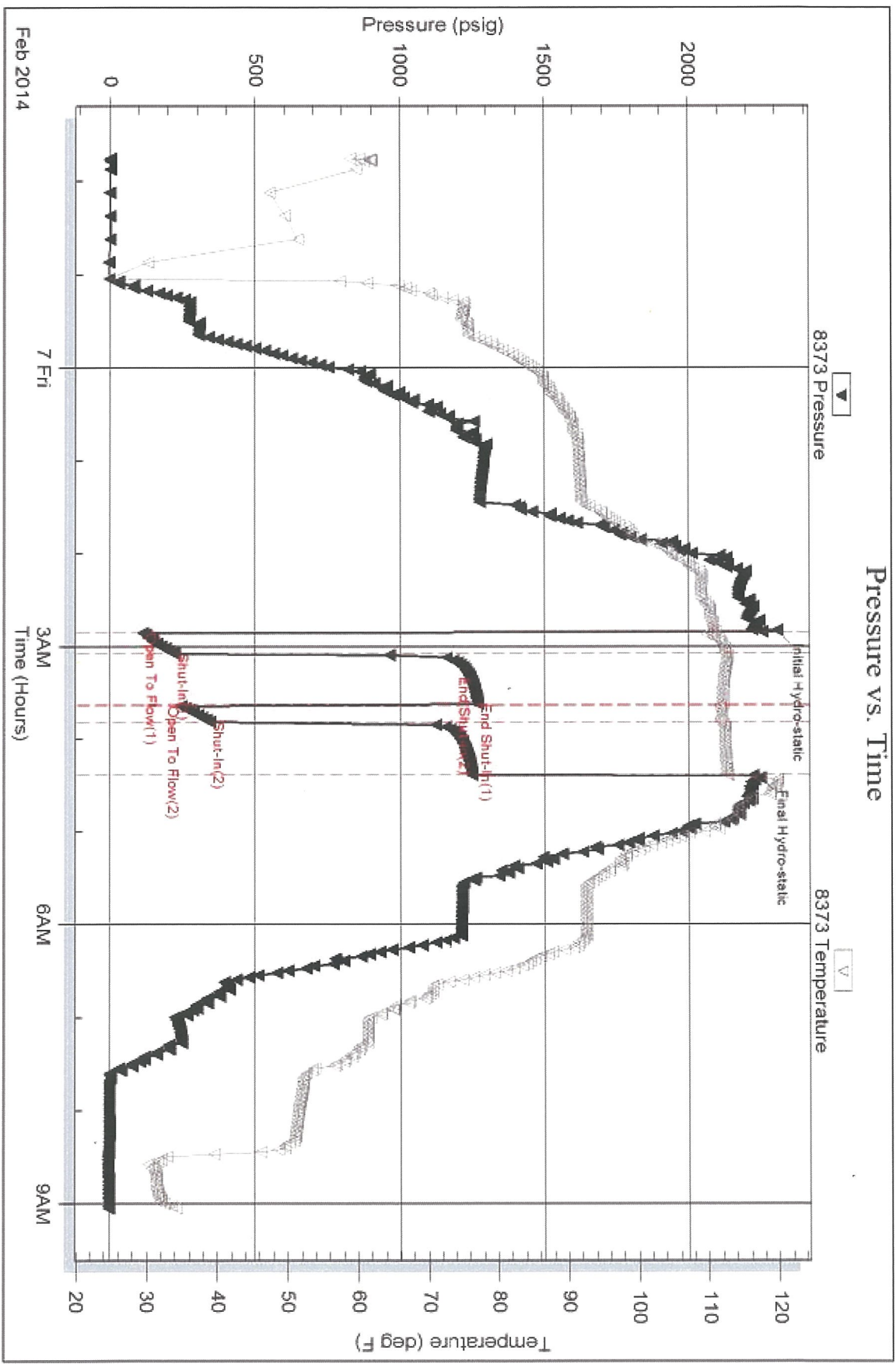
Inside

Palomino Petroleum

Well #1

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 55631

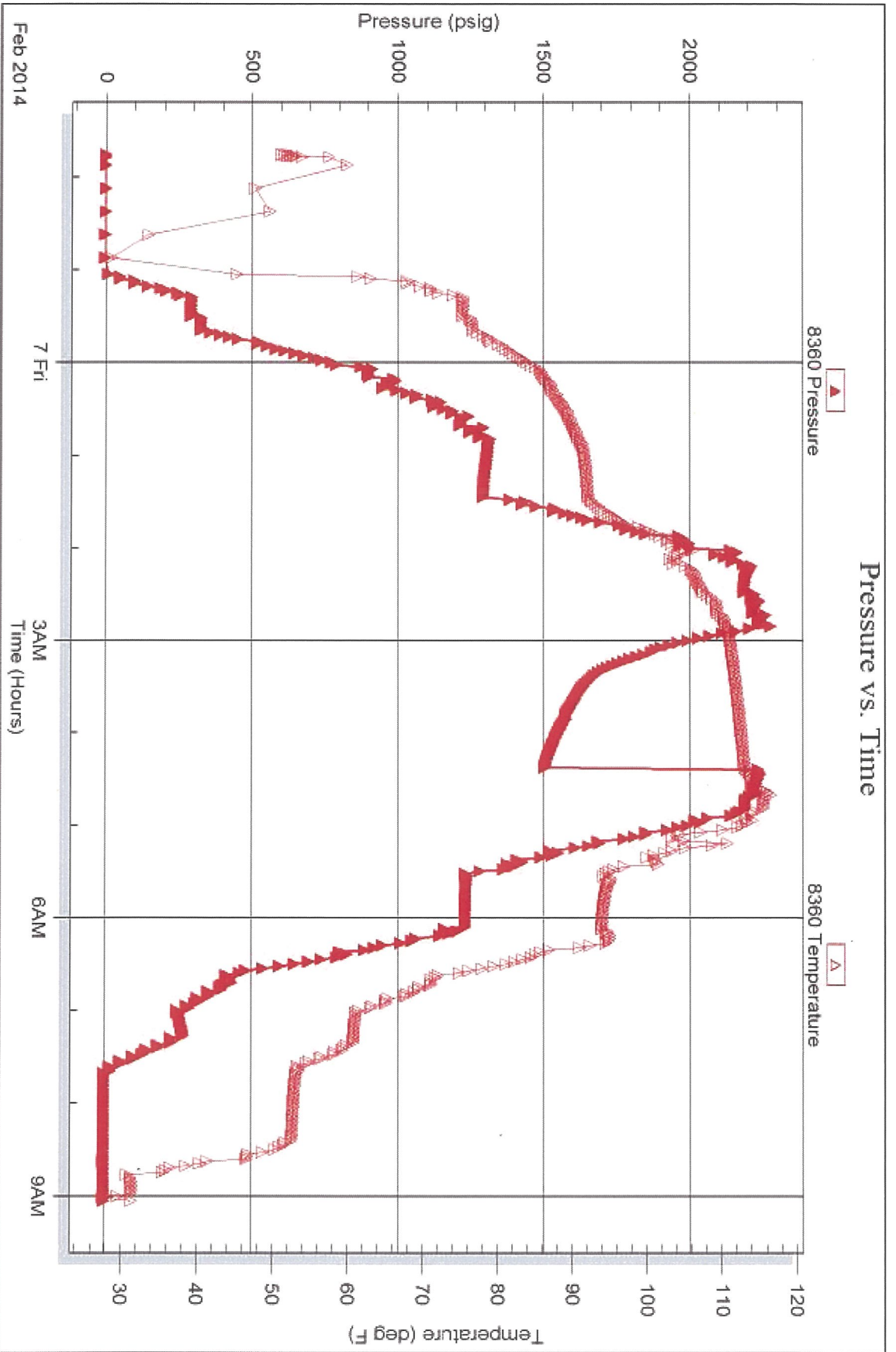
Printed: 2014.02.07 @ 11:47:01

Serial #: 8360

Below (Str. 841) Petroleum

Well #1

DST Test Number: 3



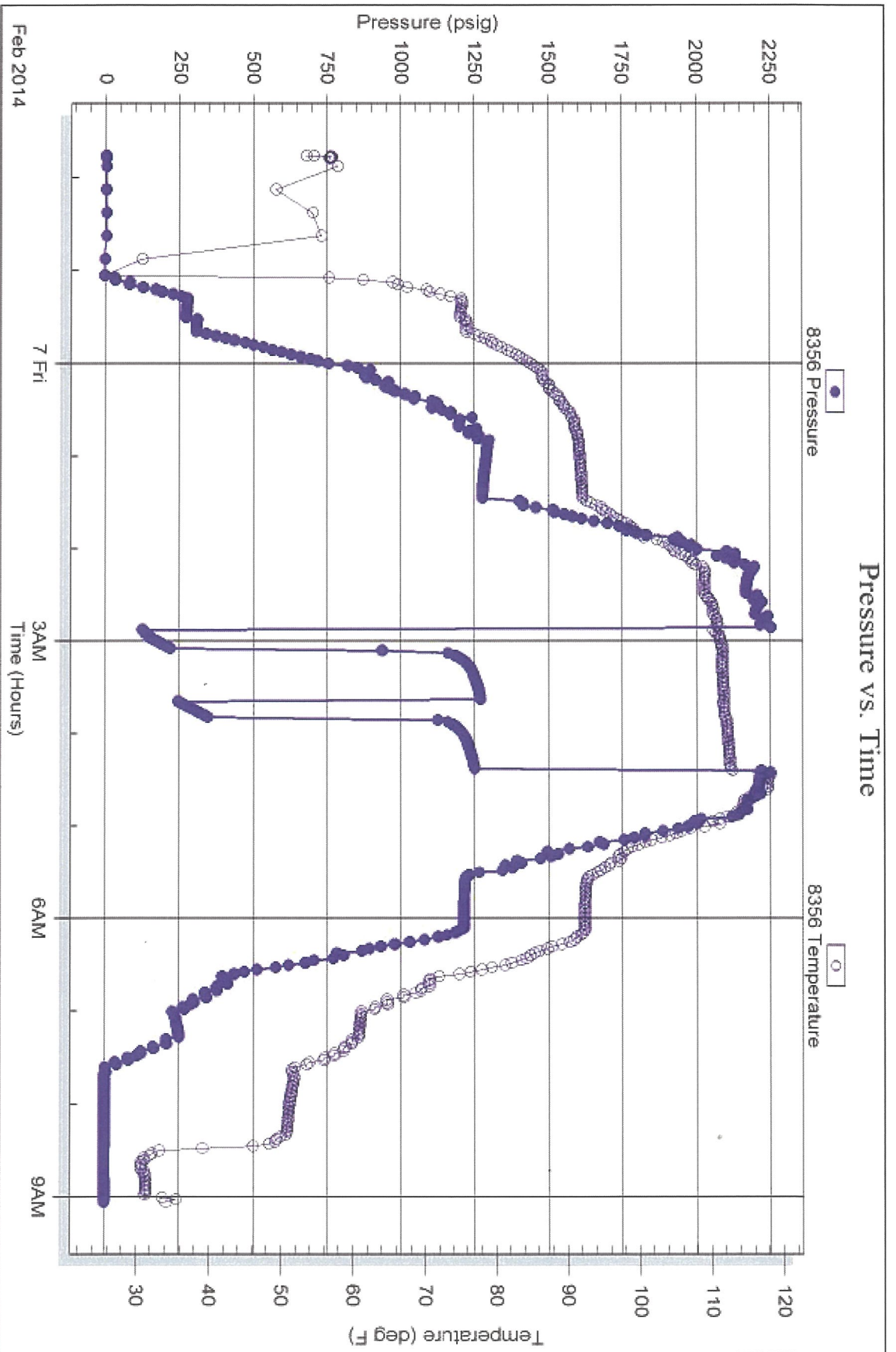
Serial #: 8356

Outside

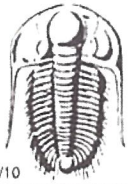
Palomino Petroleum

Mitten #1

DST Test Number: 3







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55629

Well Name & No. Mitten #1 Test No. 1 Date 2-3-14  
 Company Palomino Elevation 2657 KB 2649 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Andrew Stenzel Rig Maverick 108  
 Location: Sec. 28 Twp. 16 Rge. 26 W Co. Ness State KS

Interval Tested 3966 4062 Zone Tested Lansing  
 Anchor Length 96 Drill Pipe Run 3911 Mud Wt. 8.9  
 Top Packer Depth 3961 Drill Collars Run 31 Vis 41  
 Bottom Packer Depth 3966 Wt. Pipe Run --- WL 8.0  
 Total Depth 4062 Chlorides 3000 ppm System LCM ---

Blow Description IFI 1/4 blow built to 3 1/2.  
IS: No return.  
FK: surface blow built to 2.  
F3: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>93</u>	<u>wcm</u>		<u>2</u>	<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 73 BHT 107 Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 1997  Test 1250 T-On Location 1:00  
 (B) First Initial Flow 22  Jars 250 T-Started 4:15  
 (C) First Final Flow 45  Safety Joint 75 T-Open 7:42  
 (D) Initial Shut-In 1146  Circ Sub NIL T-Pulled 9:42  
 (E) Second Initial Flow 48  Hourly Standby 2- T-Out 11:45  
 (F) Second Final Flow 59  Mileage 100- 155 Comments wk's  
 (G) Final Shut-In 1103  Sampler Junk  
 (H) Final Hydrostatic 1917  Straddle ---  
 Shale Packer ---  
 Shale Packer ---  
 Extra Packer ---  
 Extra Recorder ---  
 Day Standby ---  
 Accessibility ---

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

Sub Total 1730  
 Total 1730  
 MP/DST Disc't ---

Approved By \_\_\_\_\_ Our Representative [Signature]

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **55630**

Well Name & No. Mitten #1 Test No. 2 Date 2-5-14  
 Company Palomino Elevation 2657 KB 2649 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Andrew Stenzel Rig Maverick 108  
 Location: Sec. 28 Twp. 16 Rge. 26W Co. Ness State KS

Interval Tested 4512 4592 Zone Tested M.55  
 Anchor Length 80 Drill Pipe Run 4470 Mud Wt. 9.4  
 Top Packer Depth 4567 Drill Collars Run 31 Vis 51  
 Bottom Packer Depth 4512 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4592 Chlorides 4300 ppm System LCM 0

Blow Description ±F: 1/4 blow to 4 in 30 min  
IS: NO return  
FF surface blow built to 3,  
IS: NO return

Rec	Feet of	%gas	%oil	%water	%mud
<u>112</u>	<u>0cm</u>	<u>20</u>		<u>80</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 112 BHT 113 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2331  Test 1250 T-On Location 14:00  
 (B) First Initial Flow 35  Jars 250 T-Started 15:47  
 (C) First Final Flow 49  Safety Joint 75 T-Open 18:55  
 (D) Initial Shut-In 695  Circ Sub N/L T-Pulled 21:55  
 (E) Second Initial Flow 51  Hourly Standby \_\_\_\_\_ T-Out 1:00  
 (F) Second Final Flow 63  Mileage 100-155 Comments cat work is  
 (G) Final Shut-In 734  Sampler \_\_\_\_\_ Junk  
 (H) Final Hydrostatic 2189  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 875  
 Final Shut-In 60  Day Standby 1d 26.25h Total 2605  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative [Signature]

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





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55631

Well Name & No. Mitten #1 Test No. 3 Date 2-6-14  
 Company Palomino Elevation 2657 KB 2649 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Andrew Stenzel Rig Maverick 108  
 Location: Sec. 28 Twp. 16 Rge. 26W Co. Ness State KS

Interval Tested 4444 4511 Zone Tested Ft. Scott  
 Anchor Length \_\_\_\_\_ 67 Drill Pipe Run 4405 Mud Wt. 9.6  
 Top Packer Depth \_\_\_\_\_ 4444 Drill Collars Run 31 Vis 47  
 Bottom Packer Depth \_\_\_\_\_ 4511 Wt. Pipe Run \_\_\_\_\_ WL 9.6  
 Total Depth \_\_\_\_\_ 4715 Chlorides 3700 ppm System LCM Ø

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

Rec	Feet of	%gas	%oil	%water	%mud
<u>840</u>	<u>MC90</u>	<u>40</u>	<u>50</u>	<u>10</u>	
<u>370</u>					
<u>186</u>	<u>MC90</u>	<u>40</u>	<u>30</u>	<u>30</u>	

Rec Total 826 BHT 112 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2303  Test 1250 T-On Location 21:16  
 (B) First Initial Flow 115  Jars 250 T-Started 21:45  
 (C) First Final Flow 222  Safety Joint 75 T-Open 2:50  
 (D) Initial Shut-In 1268  Circ Sub N/C T-Pulled 4:20  
 (E) Second Initial Flow 245  Hourly Standby 5-500.00 T-Out 9:10  
 (F) Second Final Flow 344  Mileage 100 - 155 1.5h 150 Comments cat walks is junk  
 (G) Final Shut-In 1249  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2246  Straddle 600  Ruined Shale Packer \_\_\_\_\_

Initial Open 15  Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  
 Final Flow 15  Extra Recorder \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 2480 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative [Signature]

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