



1194842

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

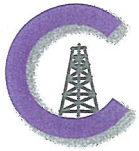
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	SS 1
Doc ID	1194842

Tops

Name	Top	Datum
Anhy.	1650	(- 994)
Base Anhy.	1617	(+ 727)
Heebner	3705	(-1359)
Lansing	3747	(-1403)
BKC	4057	(-1713)
Pawnee	4181	(-1837)
Ft. Scott	4256	(-1912)
Cherokee Sh.	4286	(-1942)
Cherokee Sd.	4347	(-2003)
Miss.	4400	(-2056)
LTD	4517	(-2156)



**CONSOLIDATED**  
Oil Well Services, LLC

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

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012  
**RECEIVED**  
**DEC 20 2012**

INVOICE

Invoice # 264808

Invoice Date: 12/17/2013 Terms: 10/10/30,n/30

Page 1

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

SS #1  
44603  
7-18-24  
12-16-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	18.5500	3060.75
1102	CALCIUM CHLORIDE (50#)	465.00	.9400	437.10
1118B	PREMIUM GEL / BENTONITE	310.00	.2700	83.70
1111	SODIUM CHLORIDE (GRANULA)	100.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-358.16
9995-130	CEMENT EQUIPMENT DISCOUNT	-171.12

Description	Hours	Unit Price	Total
460 MIN. BULK DELIVERY	1.00	430.00	430.00
463 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	25.00	5.25	131.25

Amount Due 5513.07 if paid after 01/16/2014

Parts:	3581.55	Freight:	.00	Tax:	198.24	AR	4961.76
Labor:	.00	Misc:	.00	Total:	4961.76		
Sublt:	-529.28	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

264808

TICKET NUMBER 44603

LOCATION Opportunity, Mo.

FOREMAN Armen

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	Co. COUNTY	
12/16/13	6285	55 #1	7	18	24	Ness	
CUSTOMER <u>Palomino Petroleum</u>		Ness City W To Rd 3 1/2 N E into		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				463	Cory		
CITY		STATE		460	Steven		
ZIP CODE				Helper	Stan		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 221 CASING SIZE & WEIGHT 8 5/8, 23"  
 CASING DEPTH 221.18 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.9 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12.87 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting Rig up on Maurick #108 Run Casing Break Circulate  
With Rig Pump Hook up To Pump Truck Mix 165 SKs Com 3% CC 2% Gal Wash  
up Pump & Lines Displace With 12.87 bbl Water Shut in Rig Down  
Cement Did Circulate

Approx 2 bbl To Pit

Thanks Down + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	\$ 1150.00	\$ 1150.00
5406	25	MILEAGE	\$ 5.25	\$ 131.25
5407 A	7.76	Ton Mileage Delivery	\$ 1.75	\$ 135.80
11045	165 SKs	Class 'A' Cement	\$ 18.55	\$ 3060.75
1102	465#	Calcium Chloride	\$ .94	\$ 437.10
1118 B	310#	Bentonite	\$ .27	\$ 83.70
1111	100#	Salt	N/C	N/C
			Sub Total	\$ 5292.80
			Less 10%	\$ 529.28
			Sub Total	\$ 4763.52
			SALES TAX	198.24
			ESTIMATED TOTAL	4961.76

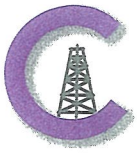
**completed**

AUTHORIZATION \_\_\_\_\_

TITLE Tool pusher

DATE 12-16-2013

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 fo



**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

JAN 16 2014

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

INVOICE

Invoice # 265230

Invoice Date: 01/14/2014 Terms: 10/10/30,n/30

Page 1

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

SS #1  
44607  
7-18-24  
01-02-2014  
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	250.00	15.8600	3965.00
1118B	PREMIUM GEL / BENTONITE	860.00	.2700	232.20
1107	FLO-SEAL (25#)	63.00	2.9700	187.11
1111	SODIUM CHLORIDE (GRANULA)	100.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-438.43
9995-130	CEMENT EQUIPMENT DISCOUNT	-199.88

Description	Hours	Unit Price	Total
463 SINGLE PUMP	1.00	1395.00	1395.00
463 EQUIPMENT MILEAGE (ONE WAY)	25.00	5.25	131.25
466 TON MILEAGE DELIVERY	1.00	472.50	472.50

Amount Due 6652.70 if paid after 02/13/2014

Parts:	4384.31	Freight:	.00	Tax:	242.68	AR	5987.43
Labor:	.00	Misc:	.00	Total:	5987.43		
Sublt:	-638.31	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





265230

TICKET NUMBER 44607  
 LOCATION Oakley, Ko.  
 FOREMAN Dauen

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1/2/14	6285	SS #1	7	18	24	NESS
CUSTOMER Palomino Petroleum			Ness City			
MAILING ADDRESS 4924 SE 84th St.			W To Rd			
CITY Newton			L 3 1/2 N			
STATE Ks			E into			
ZIP CODE 67111 8827			TRUCK #	DRIVER	TRUCK #	DRIVER
			463	Jordan		
			466	Cody		
			Helper	Jerry		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4510 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH 1650' DRILL PIPE 4 1/2 1650' TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 12.5 to 13 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting Rig up on Maurick #108 Plug as ordered

- 1650 - 50 SKs
- 870 - 80 SKs
- 270 - 50 SKs      250 SKs 60/40 4% Gel 1/4 Floseal
- 60 - 20 SKs
- Mouse hole 20 SKs
- Pat hole 30 SKs

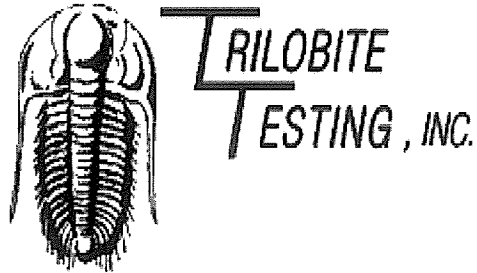
*Thanks Dauen & Crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	\$1395.00	\$1395.00
540L	25	MILEAGE	\$5.25	\$131.25
5407A	10.8	Ton Mileage Delivery	\$1.75	\$472.50
1131	250 SKs	60/40 Poz mix	\$15.86	\$3965.00
1118B	860*	Bentonite	\$.27	\$232.20
1107	63*	Floseal	\$2.92	\$187.11
1111	100*	Salt	NC	NC
SubTotal				\$6383.06
Less 10%				\$638.31
SubTotal				\$5744.75
<b>completed</b>				
6.15 SALES TAX				242.68
ESTIMATED TOTAL				5987.43

Ravin 3737

AUTHORIZATION [Signature] TITLE Toolpusher DATE 1-2-2014

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: Ryan Seib

**SS #1**

**7-18s-24w Ness,KS**

Start Date: 2013.12.30 @ 22:34:25

End Date: 2013.12.31 @ 07:08:44

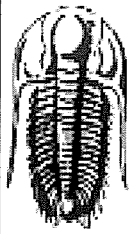
Job Ticket #: 56031                      DST #: 1

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

Printed: 2014.01.03 @ 08:29:13

Palomino Petroleum      7-18s-24w Ness,KS      SS #1      DST # 1      Cherokee      2013.12.30





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

7-18s-24w Ness, KS

4924 SE 84th St  
Newton KS 67114

SS #1

Job Ticket: 56031

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.12.30 @ 22:34:25

## GENERAL INFORMATION:

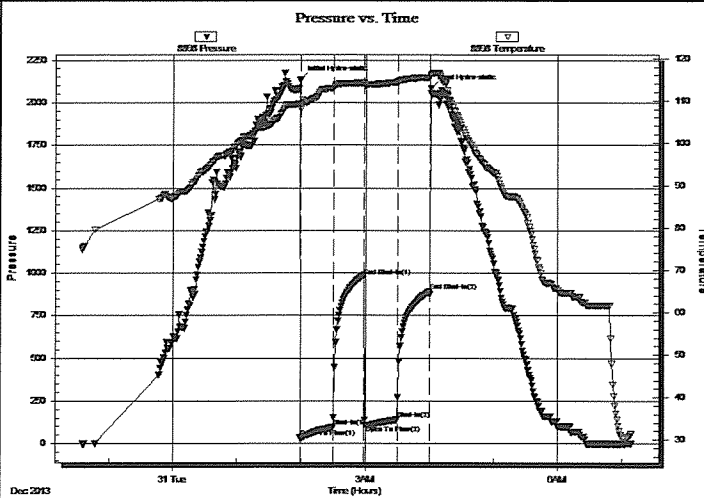
Formation: **Cherokee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:59:05  
 Time Test Ended: 07:08:44  
 Interval: **4273.00 ft (KB) To 4369.00 ft (KB) (TVD)**  
 Total Depth: 4369.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Tate Lang  
 Unit No: 49  
 Reference Elevations: 2344.00 ft (KB)  
 2336.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8898

Outside

Press@RunDepth: 140.52 psig @ 4274.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.12.30 End Date: 2013.12.31 Last Calib.: 2013.12.31  
 Start Time: 22:34:26 End Time: 07:08:44 Time On Btm: 2013.12.31 @ 01:58:55  
 Time Off Btm: 2013.12.31 @ 04:00:55

TEST COMMENT: B.O.B. In 15 mins.  
 Dead no blow back  
 B.O.B. In 20 mins  
 Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.27	109.27	Initial Hydro-static
1	33.92	108.04	Open To Flow (1)
32	97.62	112.91	Shut-In(1)
60	980.67	114.13	End Shut-In(1)
61	107.25	113.81	Open To Flow (2)
91	140.52	114.41	Shut-In(2)
122	892.46	115.49	End Shut-In(2)
122	2082.03	115.92	Final Hydro-static

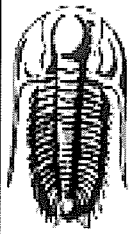
## Recovery

Length (ft)	Description	Volume (bbl)
130.00	100%O	1.82
60.00	75%O 25%M	0.84
120.00	50%O 50%M	1.68
0.00	220 GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**7-18s-24w Ness, KS**

4924 SE 84th St  
Newton KS 67114

**SS #1**

Job Ticket: 56031

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2013.12.30 @ 22:34:25

### Tool Information

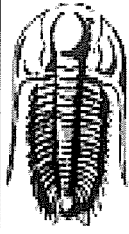
Drill Pipe:	Length: 4278.00 ft	Diameter: 3.80 inches	Volume: 60.01 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 60.01 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4273.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	123.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4251.00	
Hydraulic tool	5.00			4256.00	
Jars	5.00			4261.00	
Safety Joint	2.00			4263.00	
Packer	5.00			4268.00	27.00 Bottom Of Top Packer
Packer	5.00			4273.00	
Stubb	1.00			4274.00	
Recorder	0.00	8897	Inside	4274.00	
Recorder	0.00	8898	Outside	4274.00	
Perforations	28.00			4302.00	
Change Over Sub	1.00			4303.00	
Drill Pipe	62.00			4365.00	
Change Over Sub	1.00			4366.00	
Bullnose	3.00			4369.00	96.00 Bottom Packers & Anchor

**Total Tool Length: 123.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**7-18s-24w Ness, KS**

4924 SE 84th St  
New ton KS 67114

**SS #1**

Job Ticket: 56031

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2013.12.30 @ 22:34:25

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6600.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	100%O	1.824
60.00	75%O 25%M	0.842
120.00	50%O 50%M	1.683
0.00	220 GIP	0.000

Total Length: 310.00 ft      Total Volume: 4.349 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

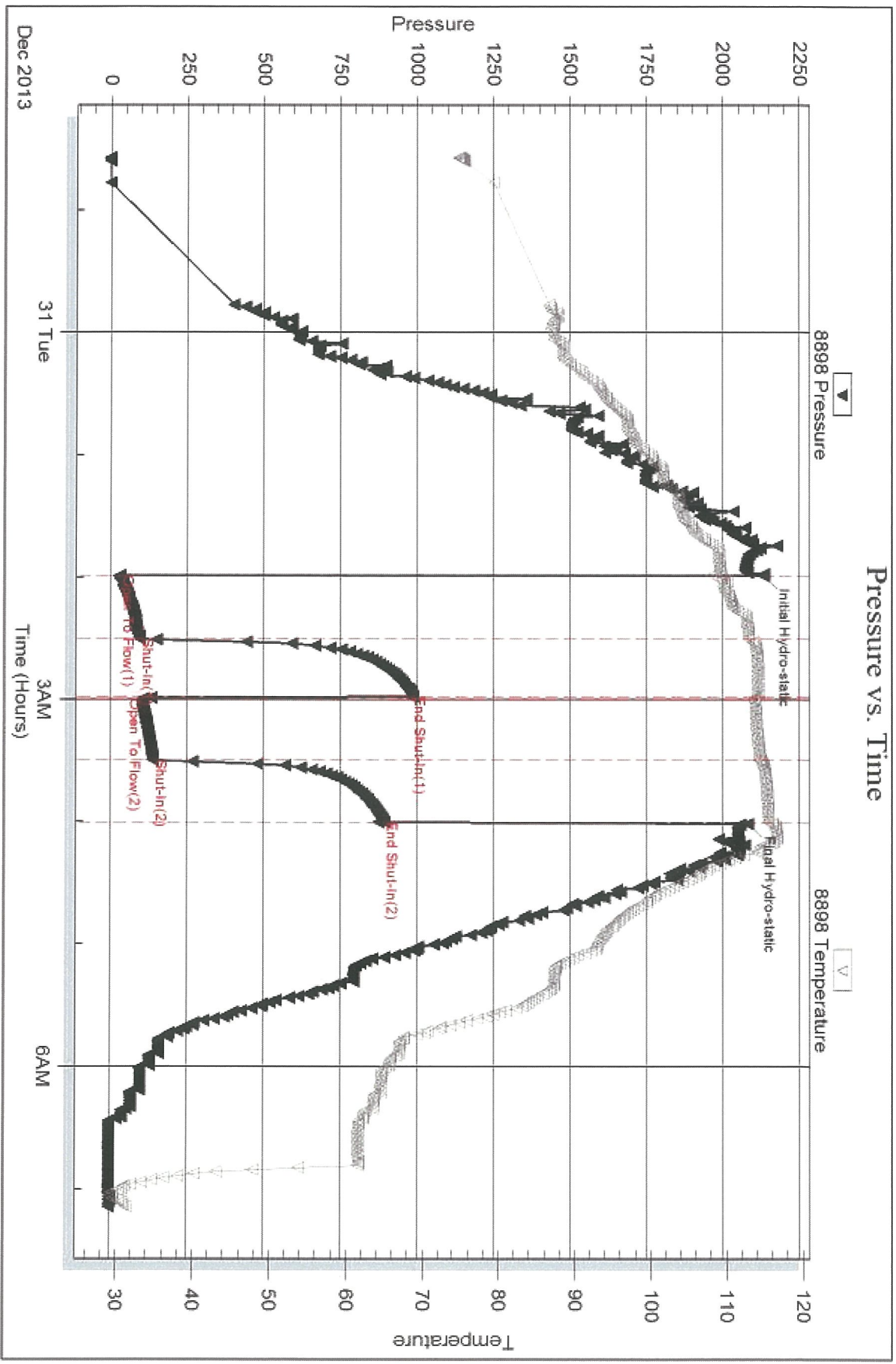
Recovery Comments:

Serial #: 8898

Outside Palomino Petroleum

SS #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 56031

Printed: 2014.01.03 @ 08:29:15

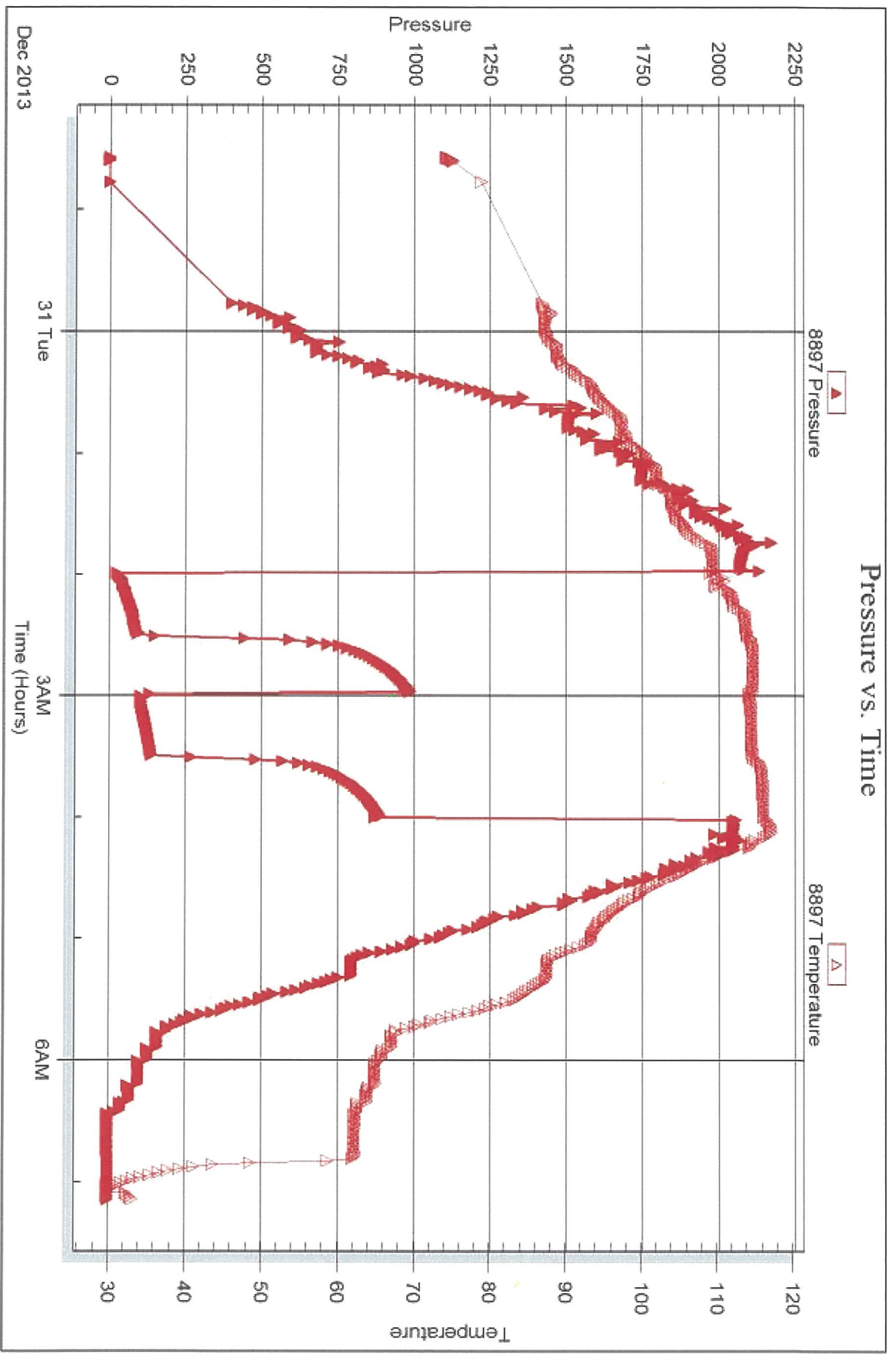
Serial #: 8897

Inside

Palomino Petroleum

SS #1

DST Test Number: 1

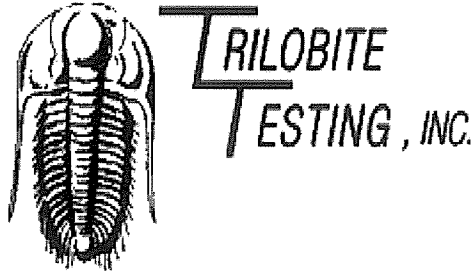


Triobite Testing, Inc

Ref. No: 56031

Printed: 2014.01.03 @ 08:29:15





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**SS #1**

**7-18s-24w Ness,KS**

Start Date: 2013.12.31 @ 16:00:48

End Date: 2013.12.31 @ 23:31:48

Job Ticket #: 56032                      DST #: 2

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

Printed: 2014.01.03 @ 08:27:24

Palomino Petroleum 7-18s-24w Ness,KS SS #1 DST # 2 Cherokee 2013.12.31



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

**7-18s-24w Ness, KS**  
**SS #1**  
Job Ticket: 56032      **DST#: 2**  
Test Start: 2013.12.31 @ 16:00:48

### GENERAL INFORMATION:

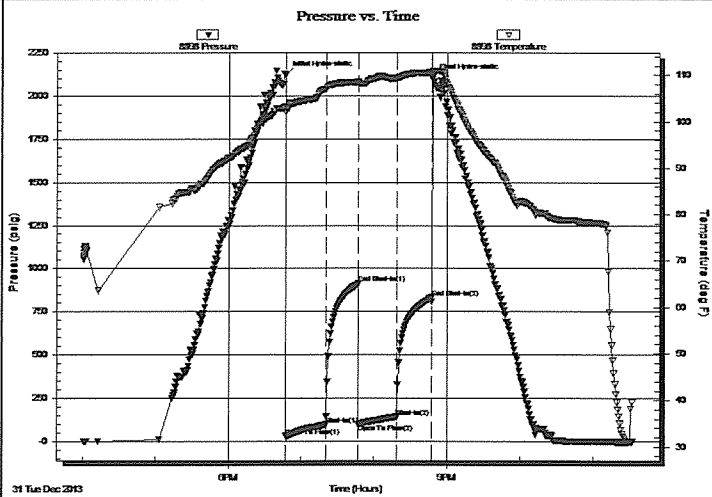
Formation: **Cherokee**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 18:47:18  
Time Test Ended: 23:31:48  
Interval: **4273.00 ft (KB) To 4390.00 ft (KB) (TVD)**  
Total Depth: 4390.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Tate Lang  
Unit No: 49  
Reference Elevations: 2344.00 ft (KB)  
2336.00 ft (CF)  
KB to GR/CF: 8.00 ft

### Serial #: 8898

**Outside**

Press@RunDepth: 141.33 psig @ 4274.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.12.31      End Date: 2013.12.31      Last Calib.: 2013.12.31  
Start Time: 16:00:49      End Time: 23:31:48      Time On Btm: 2013.12.31 @ 18:47:08  
Time Off Btm: 2013.12.31 @ 20:48:18

TEST COMMENT: B.O.B. In 20 mins  
Dead no blow back  
B.O.B. In 25 mins  
Dead no blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.12	103.14	Initial Hydro-static
1	30.80	101.99	Open To Flow (1)
34	97.23	106.97	Shut-In(1)
60	911.84	108.48	End Shut-In(1)
61	101.31	108.17	Open To Flow (2)
92	141.33	109.33	Shut-In(2)
121	832.41	110.58	End Shut-In(2)
122	2103.32	110.83	Final Hydro-static

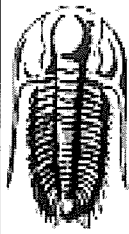
### Recovery

Length (ft)	Description	Volume (bbl)
40.00	100%O	0.56
120.00	60%O 40%M	1.68
120.00	5%G 65%O 30%M	1.68

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

7-18s-24w Ness, KS

4924 SE 84th St  
New ton KS 67114

SS #1

ATTN: Ryan Seib

Job Ticket: 56032

DST#: 2

Test Start: 2013.12.31 @ 16:00:48

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:47:18

Time Test Ended: 23:31:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: **4273.00 ft (KB) To 4390.00 ft (KB) (TVD)**

Total Depth: 4390.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2344.00 ft (KB)

2336.00 ft (CF)

KB to GR/CF: 8.00 ft

## Serial #: 8897

Inside

Press@RunDepth: psig @ 4274.00 ft (KB)

Start Date: 2013.12.31

End Date:

2013.12.31

Start Time: 16:01:00

End Time:

23:31:59

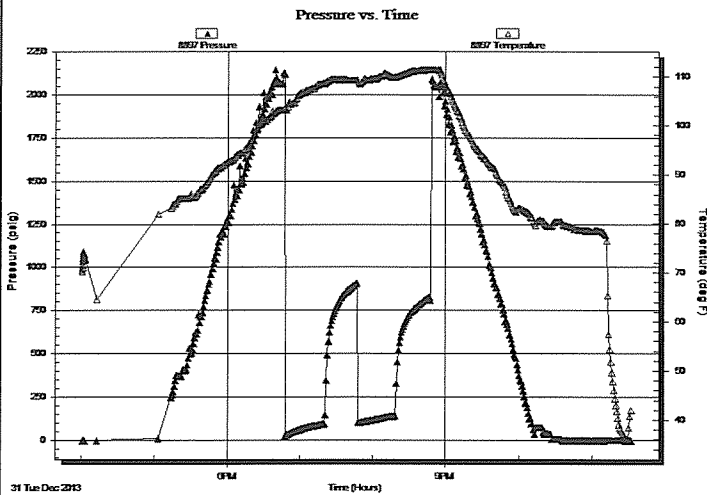
Capacity: 8000.00 psig

Last Calib.: 2013.12.31

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. In 20 mins  
Dead no blow back  
B.O.B. In 25 mins  
Dead no blow back



## PRESSURE SUMMARY

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

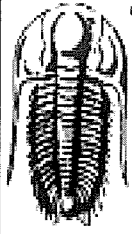
Length (ft)	Description	Volume (bbl)
40.00	100%O	0.56
120.00	60%O 40%M	1.68
120.00	5%G 65%O 30%M	1.68

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**7-18s-24w Ness, KS**

4924 SE 84th St  
Newton KS 67114

**SS #1**

Job Ticket: 56032

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2013.12.31 @ 16:00:48

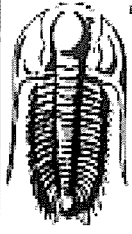
### Tool Information

Drill Pipe:	Length: 4276.00 ft	Diameter: 3.80 inches	Volume: 59.98 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4273.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	117.00 ft			
Tool Length:	144.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4251.00	
Hydraulic tool	5.00			4256.00	
Jars	5.00			4261.00	
Safety Joint	2.00			4263.00	
Packer	5.00			4268.00	27.00 Bottom Of Top Packer
Packer	5.00			4273.00	
Stubb	1.00			4274.00	
Recorder	0.00	8897	Inside	4274.00	
Recorder	0.00	8898	Outside	4274.00	
Perforations	18.00			4292.00	
Change Over Sub	1.00			4293.00	
Drill Pipe	31.00			4324.00	
Drill Pipe	62.00			4386.00	
Change Over Sub	1.00			4387.00	
Bullnose	3.00			4390.00	117.00 Bottom Packers & Anchor

**Total Tool Length: 144.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroluem

**7-18s-24w Ness,KS**

4924 SE 84th St  
New ton KS 67114

**SS #1**

Job Ticket: 56032

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2013.12.31 @ 16:00:48

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7600.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	100%O	0.561
120.00	60%O 40%M	1.683
120.00	5%G 65%O 30%M	1.683

Total Length: 280.00 ft      Total Volume: 3.927 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

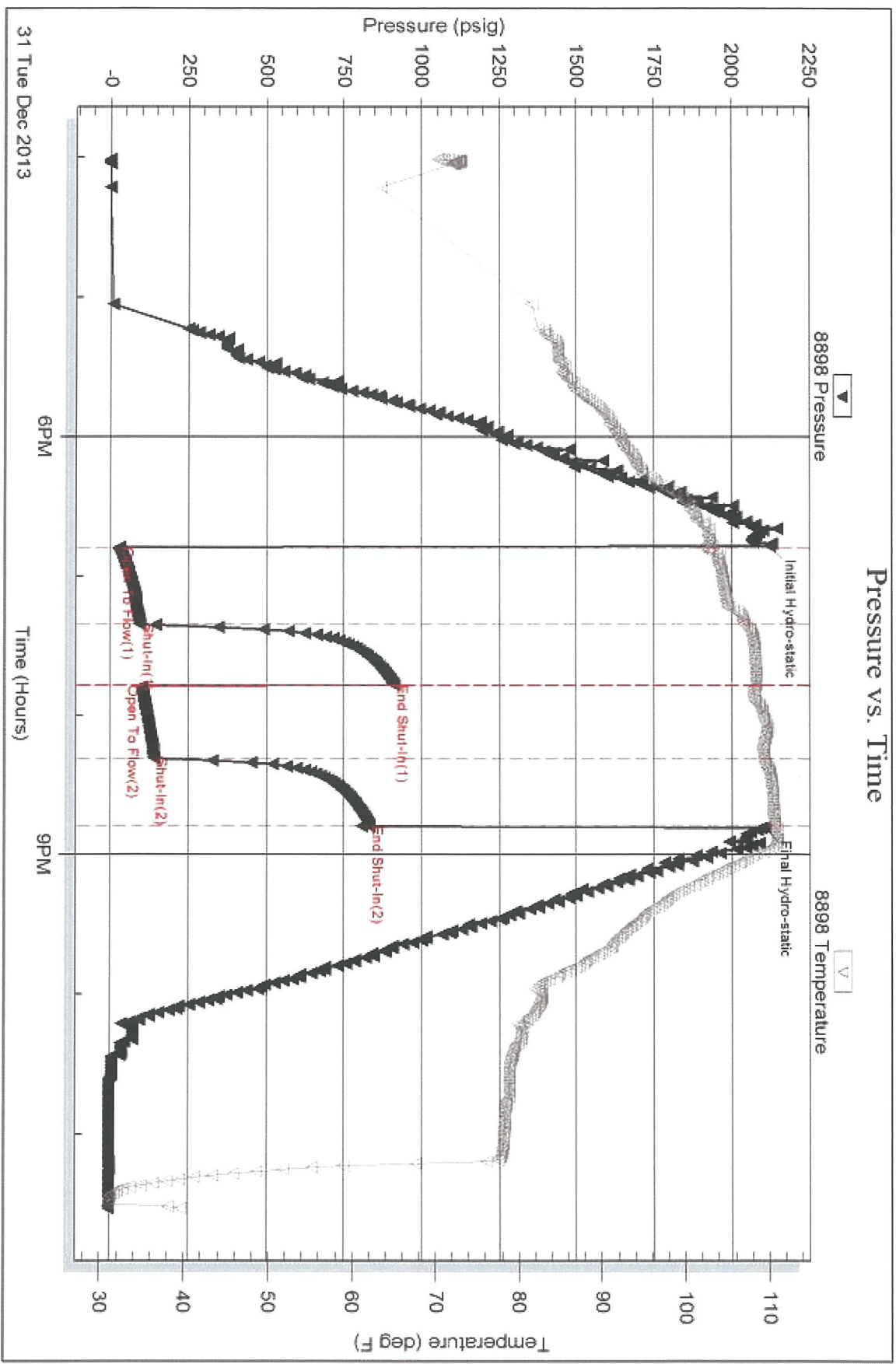
Recovery Comments:

Serial #: 8898

Outside Palomino Petroleum

SS #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 56032

Printed: 2014.01.03 @ 08:27:26



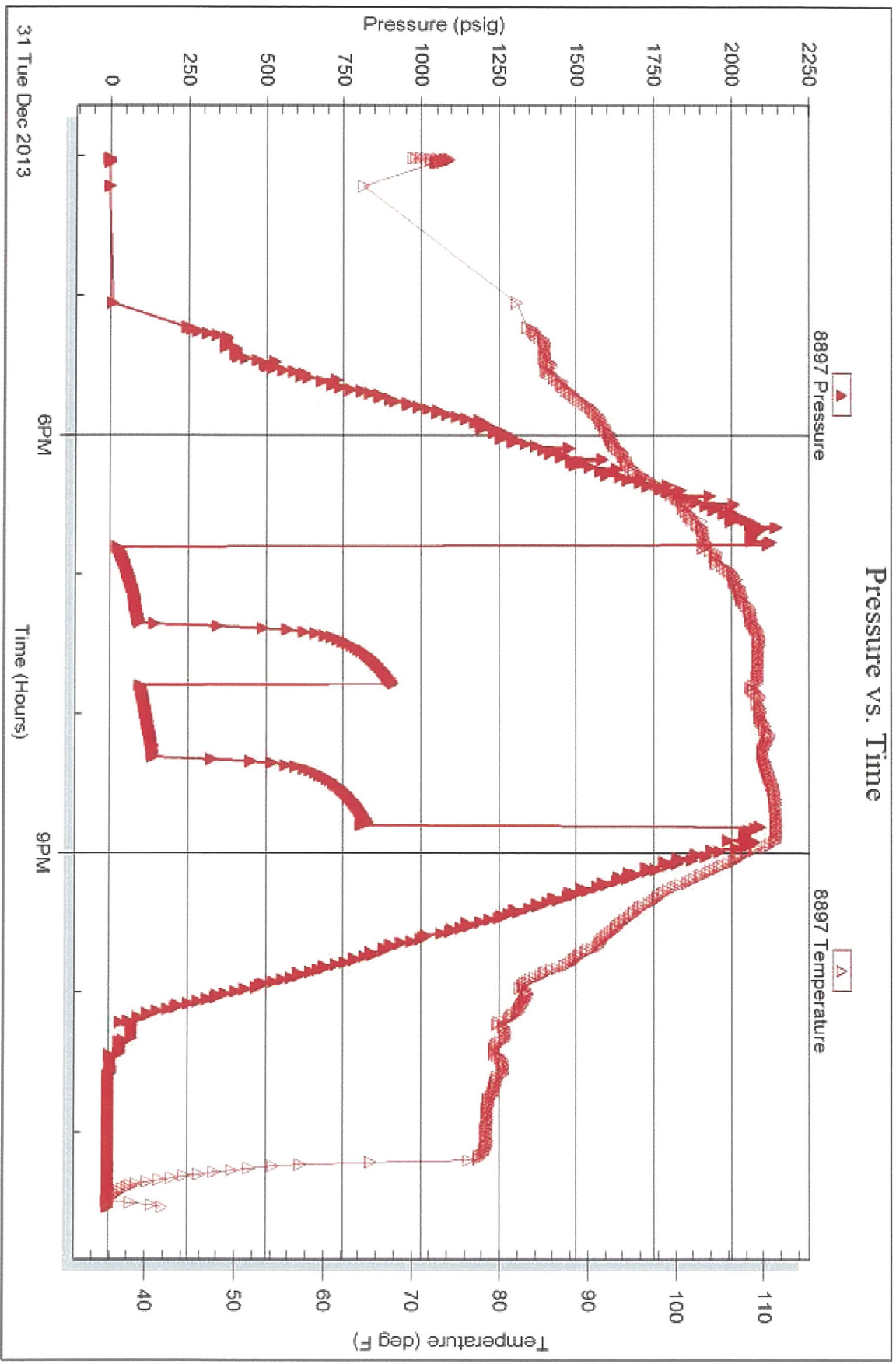
Serial #: 8897

Inside

Palomino Petroleum

SS #1

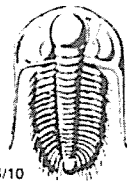
DST Test Number: 2



Tribbitt Testing, Inc

Ref. No: 56032

Printed: 2014.01.03 @ 08:27:27



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56031

Well Name & No. SS #1 Test No. 1 Date 12-30-13  
 Company Palomino Petroleum Elevation 2344 KB 2336 GL  
 Address 4924 SE 84th St Newton KS 67114  
 Co. Rep / Geo. Ryan Scib Rig PowerK #108  
 Location: Sec. 7 Twp. 18S Rge. 24W Co. McAS State KS

Interval Tested 4273 4369 Zone Tested Cherokee  
 Anchor Length 96 Drill Pipe Run 4278 Mud Wt. 9.2  
 Top Packer Depth 4269 Drill Collars Run 8 Vis 4.7  
 Bottom Packer Depth 4273 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4369 Chlorides 6600 ppm System LCM 1#

Blow Description B.O.B. IN 15mins  
Dead no blow back  
B.O.B. IN 20mins  
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>130</u>	Feet of <u>60</u>	%gas	<u>100</u> %oil	%water	%mud
Rec <u>60</u>	Feet of <u>MCO</u>	%gas	<u>75</u> %oil	%water	<u>25</u> %mud
Rec <u>120</u>	Feet of <u>OLM</u>	%gas	<u>30</u> %oil	%water	<u>30</u> %mud
Rec <u>0</u>	Feet of <u>220 GTP</u>	<u>100</u> %gas	%oil	%water	%mud

Rec Total 310 BHT Gravity 38 API RW - @ - °F Chlorides - ppm

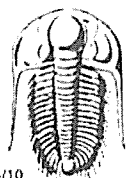
(A) Initial Hydrostatic 2132  Test 1250 T-On Location 19:50  
 (B) First Initial Flow 34  Jars 250 T-Started 22:34  
 (C) First Final Flow 98  Safety Joint 75 T-Open 01:58/12-31  
 (D) Initial Shut-In 981  Circ Sub T-Pulled 03:58  
 (E) Second Initial Flow 107  Hourly Standby 1 1/4 hr T-Out 07:08  
 (F) Second Final Flow 141  Mileage 165 R/H Comments 105rt 162.75  
 (G) Final Shut-In 1892  Sampler  Ruined Shale Packer  
 (H) Final Hydrostatic 2082  Straddle  Ruined Packer  
 Shale Packer  Extra Copies  
 Extra Packer  Extra Recorder  
 Extra Recorder  Day Standby  
 Accessibility

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

Sub Total 0  
 Total 1737.75  
 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. 56032

Well Name & No. ~~23122~~ 55#1 Test No. 2 Date 12-31-13  
 Company Palomino Petroleum Elevation 2344 KB 2336 GL  
 Address 4924 SE 84th St Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig Maverick #108  
 Location: Sec. 7 Twp. 18S Rge. 24W Co. Ness State KS

Interval Tested 4273 4390 Zone Tested Cherokee  
 Anchor Length 117 Drill Pipe Run 4276 Mud Wt. 9.2  
 Top Packer Depth 4269 Drill Collars Run 0 Vis 45  
 Bottom Packer Depth 4273 Wt. Pipe Run 0 WL 10.0  
 Total Depth 4390 Chlorides 7600 ppm System LCM 1#

Blow Description B.O.B. IN 20mins  
 Dead no blow  
 B.O.B. IN 25mins  
 Dead no blow

Rec	Feet of	%gas	%oil	%water	%mud
40	60		100		
120	M60		60		40
120	M60	5	65		30

Rec Total 250 BHT 110 Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2121  Test 1250 T-On Location 14:50  
 (B) First Initial Flow 31  Jars 250 T-Started 16:00  
 (C) First Final Flow 97  Safety Joint 75 T-Open 18:45  
 (D) Initial Shut-In 912  Circ Sub T-Pulled 20:45  
 (E) Second Initial Flow 101  Hourly Standby T-Out 23:30  
 (F) Second Final Flow 41  Mileage 16.5 RT 12 Comments Loaded  
 (G) Final Shut-In 832  Sampler 325.50 1/1/14 @ 12:30  
 (H) Final Hydrostatic 2103  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies

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

Sub Total 1900.50

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

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