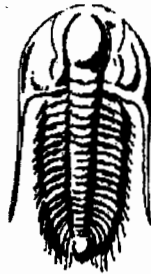


15-135-24317

28-16s-24w  
ORIGINAL



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Palomino Petro Inc**

4924 SE 84th St.  
Newton, Ks 67114-8827

ATTN: Palamino

**28-16-24 Ness,Ks**

**Anderson-Tillitson #1**

Start Date: 2004.12.12 @ 03:00:05

End Date: 2004.12.12 @ 08:12:44

Job Ticket #: 20081

DST #: 1

**RECEIVED  
APR 04 2005  
KCC WICHITA**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Palomino Petro Inc

Anderson-Tillitson #1

28-16-24 Ness,Ks

DST # 1

marmaton

2004.12.12



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petro Inc  
 4924 SE 84th St.  
 Newton, Ks 67114-8827  
 ATTN: Palomino

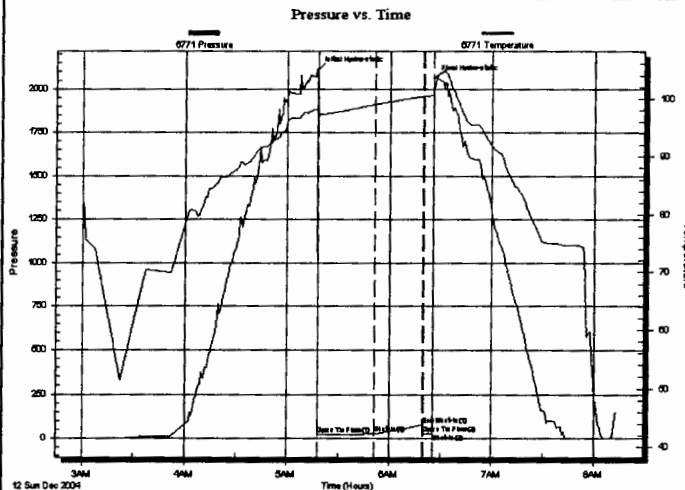
**Anderson-Tillitson #1**  
**28-16-24 Ness, Ks**  
 Job Ticket: 20081      DST#: 1  
 Test Start: 2004.12.12 @ 03:00:05

### GENERAL INFORMATION:

Formation: **marmaton**  
 Deviated: **No Whipstock:**      ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **05:18:00**  
 Tester: **Shane McBride**  
 Time Test Ended: **08:12:44**  
 Unit No: **25**  
 Interval: **4197.00 ft (KB) To 4308.00 ft (KB) (TVD)**  
 Reference Elevations: **2538.00 ft (KB)**  
 Total Depth: **4308.00 ft (KB) (TVD)**  
**2530.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **8.00 ft**

**Serial #: 6771**      **Inside**  
 Press@RunDepth: **25.61 psig @ 4198.00 ft (KB)**      Capacity: **7000.00 psig**  
 Start Date: **2004.12.12**      End Date: **2004.12.12**      Last Calib.: **2004.12.12**  
 Start Time: **03:00:05**      End Time: **08:12:44**      Time On Btrn: **2004.12.12 @ 05:17:45**  
 Time Off Btrn: **2004.12.12 @ 06:25:30**

**TEST COMMENT:** 1/2" in. @ open died in 20 min.  
 No return  
 No blow pull tool



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.99	97.92	Initial Hydro-static
1	21.35	96.76	Open To Flow (1)
34	25.61	98.99	Shut-In(1)
62	78.68	100.40	End Shut-In(1)
63	26.41	100.40	Open To Flow (2)
68	26.53	100.61	Shut-In(2)
68	2060.63	101.56	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

### Gas Rates

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



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Palomino Petro Inc  
 4924 SE 84th St.  
 Newton, Ks 67114-8827  
 ATTN: Palomino

Anderson-Tillitson #1  
 28-16-24 Ness, Ks  
 Job Ticket: 20081 DST#: 1  
 Test Start: 2004.12.12 @ 03:00:05

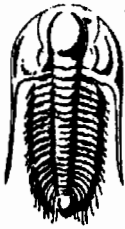
**Tool Information**

Drill Pipe:	Length: 4011.00 ft	Diameter: 3.80 inches	Volume: 56.26 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 57.14 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4197.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	111.00 ft			
Tool Length:	131.00 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			4178.00	
Shut In Tool	5.00			4183.00	
Hydraulic tool	5.00			4188.00	
Packer	5.00			4193.00	20.00 Bottom Of Top Packer
Packer	4.00			4197.00	
Stubb	1.00			4198.00	
Recorder	0.00	6771	Inside	4198.00	
Perforations	10.00			4208.00	
Change Over Sub	1.00			4209.00	
Drill Pipe	93.00			4302.00	
Change Over Sub	1.00			4303.00	
Recorder	0.00	11058	Outside	4303.00	
Bullnose	5.00			4308.00	111.00 Bottom Packers & Anchor

**Total Tool Length: 131.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Palomino Petro Inc  
4924 SE 84th St.  
New ton, Ks 67114-8827  
  
ATTN: Palamino

**Anderson-Tillitson #1**  
**28-16-24 Ness, Ks**  
Job Ticket: 20081      **DST#: 1**  
Test Start: 2004.12.12 @ 03:00:05

**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: 7600 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.59 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 7600.00 ppm		
Filter Cake: 2.00 inches		

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% <sub>m</sub>	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

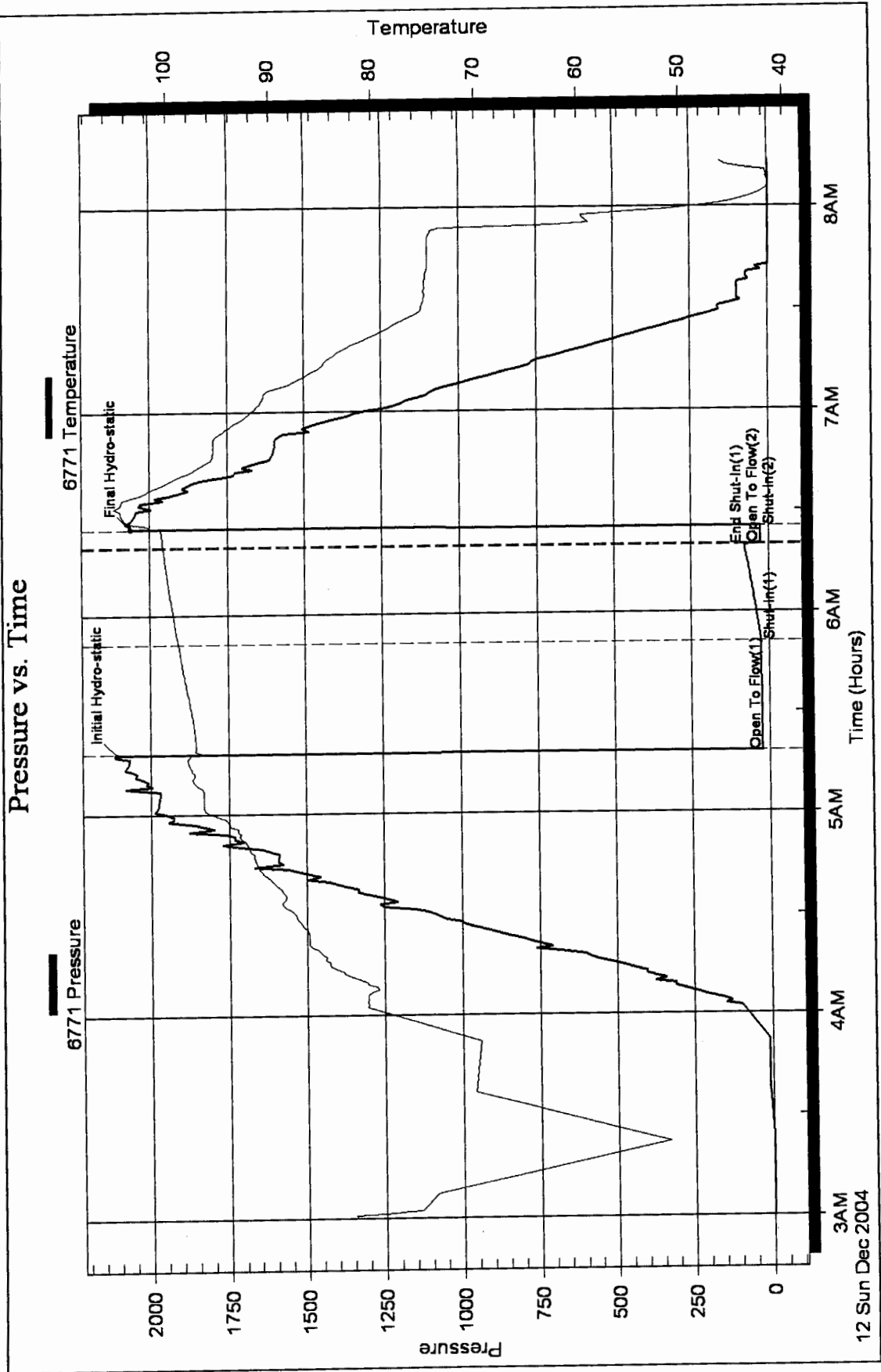
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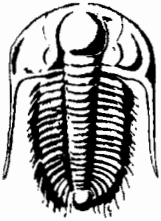
28-16-24 Ness, Ks

Palomino Petro Inc

Inside

Serial #: 6771





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20081

05/03

## Test Ticket

Well Name & No. Anderson-Tillitson #1 Test No. #1 Date 12-12-04  
 Company Palomino Petroleum Inc Zone Tested \_\_\_\_\_  
 Address 4924 SE 84th St. Newton, Ks 67114-8827 Elevation 2538 KB 2530 GL  
 Co. Rep / Geo. \_\_\_\_\_ Cont. Southwind #1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 28 Twp. 16 S Rge. 27 W Co. Neos State Ks  
 No. of Copies Norm Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4197' 4308' Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000  
 Anchor Length \_\_\_\_\_ 111' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth \_\_\_\_\_ 4192' Tool Weight 1500  
 Bottom Packer Depth \_\_\_\_\_ 4197' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth \_\_\_\_\_ 4308' Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 179'  
 Mud Wt. 9.5 LCM 1/2 Vis. 47 WL 10.6 Drill Pipe Size 4 1/2 XH Ft. Run 4011'  
 Blow Description 1/2" in @ open died in 20 min  
No return  
No blow pull tool after 5 min

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>5'</u>	—	<u>5'</u>	—
Rec. <u>5'</u> Feet of <u>mud</u>	%gas	%oil	%water <u>100</u> %mud
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
BHT <u>100'</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API			
RW _____ @ _____ °F Chlorides <u>7600</u> ppm Recovery <u>7600</u> Chlorides <u>7600</u> ppm System			

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2107</u> PSI	<u>2107</u> PSI	<u>6771</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>21</u> PSI	<u>21</u> PSI	(depth) <u>4198'</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>25</u> PSI	<u>25</u> PSI	Recorder No. <u>11058</u>	Jars _____
(D) Initial Shut-In Pressure	<u>78</u> PSI	<u>78</u> PSI	(depth) <u>4303'</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>26</u> PSI	<u>26</u> PSI	Recorder No. _____	Circ Sub <u>✓ N/C</u>
(F) Second Final Flow Pressure	<u>26</u> PSI	<u>26</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	— PSI	— PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2060</u> PSI	<u>2060</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>5</u>	Shale Packer _____
			Final Shut-In _____	Mileage <u>KIA 126.00</u>

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.

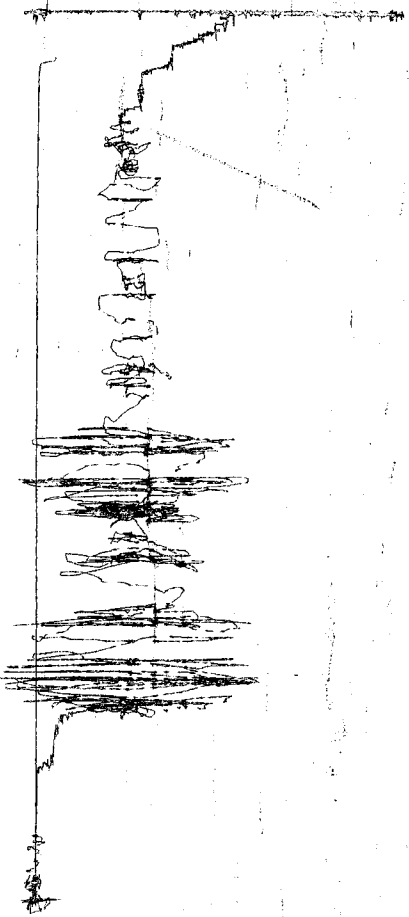
Approved By \_\_\_\_\_

Our Representative [Signature]

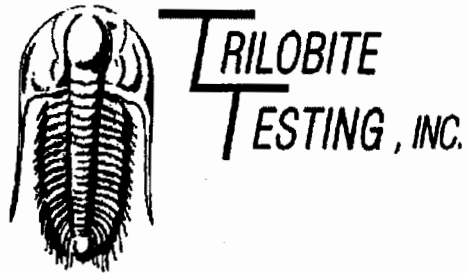
T-On Location	<u>02:00 A.M.</u>	Sub Total:	<u>\$1,126.00</u>
T-Started	<u>03:00 A.M.</u>	Std. By	_____
T-Open	<u>05:20 A.M.</u>	Other	_____
T-Pulled	<u>06:25 A.M.</u>	Total:	<u>\$1,126.00</u>
T-Out	<u>08:20 A.M.</u>		

**CHART PAGE**  
This is a photocopy of the actual AK-1 recorder chart

10588 21  
*Block Diagram*



ORIGINAL



**DRILL STEM TEST REPORT**

Prepared For: **Palomino Petro Inc**

4924 SE 84th St.  
Newton, Ks 67114-8827

ATTN: Palamino

**28-16-24 Ness,Ks**

**Anderson-Tillitson #1**

Start Date: 2004.12.13 @ 15:20:06

End Date: 2004.12.13 @ 21:39:00

Job Ticket #: 20082                      DST #: 2

**RECEIVED**  
**APR 04 2005**  
**KCC WICHITA**

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

Palomino Petro Inc

Anderson-Tillitson #1

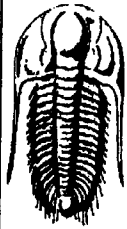
28-16-24 Ness,Ks

DST # 2

miss

2004.12.13





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petro Inc  
4924 SE 84th St.  
New ton, Ks 67114-8827  
  
ATTN: Palomino

**Anderson-Tillitson #1**  
**28-16-24 Ness, Ks**  
Job Ticket: 20082      DST#: 2  
Test Start: 2004.12.13 @ 15:20:06

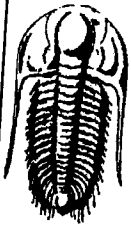
## Tool Information

Drill Pipe:	Length: 4165.00 ft	Diameter: 3.80 inches	Volume: 58.42 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 270.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4449.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4430.00	
Shut In Tool	5.00			4435.00	
Hydraulic tool	5.00			4440.00	
Packer	5.00			4445.00	20.00      Bottom Of Top Packer
Packer	4.00			4449.00	
Stubb	1.00			4450.00	
Recorder	0.00	6771	Inside	4450.00	
Perforations	22.00			4472.00	
Change Over Sub	1.00			4473.00	
Drill Pipe	32.00			4505.00	
Change Over Sub	1.00			4506.00	
Recorder	0.00	11058	Outside	4506.00	
Bullnose	5.00			4511.00	62.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>82.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Palomino Petro Inc  
4924 SE 84th St.  
New ton, Ks 67114-8827  
ATTN: Palamino

Anderson-Tillitson #1  
28-16-24 Ness, Ks  
Job Ticket: 20082      DST#: 2  
Test Start: 2004.12.13 @ 15:20:06

**Mud and Cushion Information**

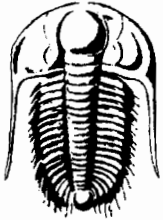
Mud Type: Gel Chem	Cushion Type:		
Mud Weight: 10.00 lb/gal	Cushion Length:	ft	Oil API: 33 deg API
Viscosity: 45.00 sec/qt	Cushion Volume:	bbf	Water Salinity: 6000 ppm
Water Loss: 9.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure:	psig	
Salinity: 6000.00 ppm			
Filter Cake: 2.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
120.00	g o c m 15g 35o 50m	0.590
240.00	g m c o 20g 25m 55o	2.000
270.00	c g o 20g 80o	3.787

Total Length: 630.00 ft      Total Volume: 6.377 bbf  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20082

## Test Ticket

Well Name & No. Anderson Tillitson #1 Test No. #2 Date 12-13-04  
 Company Palemico Petroleum Inc. Zone Tested 7M:55  
 Address 4924 SE 84th St Newton, KS 67114-8927 Elevation 2538' KB 2530' GL  
 Co. Rep / Geo. \_\_\_\_\_ Cont. Southwind #1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 28 Twp. 16S Rge. 27W Co. Ness State KS  
 No. of Copies None Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4449' 4511' Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 58,000  
 Anchor Length \_\_\_\_\_ 62' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 75,000  
 Top Packer Depth \_\_\_\_\_ 4444' Tool Weight 1,500  
 Bottom Packer Depth \_\_\_\_\_ 4449' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth \_\_\_\_\_ 4511' Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 270'  
 Mud Wt. 9.5 LCM #1 Vis. 45 WL 9.4 Drill Pipe Size 4 1/2 XH Ft. Run 4165'

Blow Description B.O.B. in 13 min  
Return blow in 1 min, built to 5" in.  
5" in @ open built to 7" in.  
Return blow in 1 min built to 3" in

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>630'</u>	<u>330'</u>	<u>270'</u>	<u>360</u>
Rec. <u>270</u>	Feet of <u>CGO</u>	<u>20</u> %gas <u>80</u> %oil	%water _____ %mud _____
Rec. <u>240</u>	Feet of <u>gmco</u>	<u>20</u> %gas <u>55</u> %oil	%water <u>25</u> %mud _____
Rec. <u>120</u>	Feet of <u>gocm</u>	<u>15</u> %gas <u>35</u> %oil	%water <u>50</u> %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____

BHT 112 °F Gravity 32 °API D @ 50 °F Corrected Gravity 33 °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides 6000 ppm Recovery 6000 Chlorides 6000 ppm System

AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>2251</u> PSI	<u>6771</u>	<u>1000.00</u>
(B) First Initial Flow Pressure	<u>39</u> PSI	(depth) <u>4450'</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>218</u> PSI	Recorder No. <u>11058</u>	Jars _____
(D) Initial Shut-In Pressure	<u>742</u> PSI	(depth) <u>4506'</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>226</u> PSI	Recorder No. _____	Circ Sub <u>X N/P</u>
(F) Second Final Flow Pressure	<u>259</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>—</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2141</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____

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.

Approved By \_\_\_\_\_ T-Started 15:20 p.m. Std. By \_\_\_\_\_  
 Our Representative [Signature] T-Open 17:05 p.m. Other \_\_\_\_\_  
 T-Pulled 19:05 p.m. Total: \$1126.00  
 T-Out 22:00 p.m.

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart

11858 #2

