



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1246448  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

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

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1246448

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](mailto: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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Kleweno-Kleweno 1
Doc ID	1246448

Tops

Name	Top	Datum
Anhy.	1474	(+ 734)
Base Anhy.	1506	(+ 704)
Heebner	3684	(-1474)
Lansing	3732	(-1522)
BKC	4048	(-1838)
Pawnee	4148	(-1938)
Ft. Scott	4226	(-2016)
Cherokee Sh.	4246	(-2036)
Miss.	4329	(-2119)
LTD	4430	(-2220)



**CONSOLIDATED**  
Oil Well Services, LLC

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

**RECEIVED**  
**SEP 25 2014** MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 271263

Invoice Date: 09/23/2014 Terms: 10/10/10,n/30 Page 1

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

KLEWENO-KLEWENO #1  
15-19S-27W  
46676  
09/20/2014  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	425.00	18.5500	7883.75
1118B	PREMIUM GEL / BENTONITE	799.00	.2700	215.73
1102	CALCIUM CHLORIDE (50#)	1199.00	.9400	1127.06
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed Description Total  
9995-130 CEMENT EQUIPMENT DISCOUNT -195.50  
9996-130 CEMENT MATERIAL DISCOUNT -932.72

Description Hours Unit Price Total  
399 CEMENT PUMP (SURFACE) 1.00 1150.00 1150.00  
399 EQUIPMENT MILEAGE (ONE WAY) 20.00 5.25 105.00  
399 TON MILEAGE DELIVERY 1.00 700.00 700.00

Amount Due 11855.92 if paid after 10/03/2014

Parts: 9327.29 Freight: .00 Tax: 516.27 AR 10670.34  
Labor: .00 Misc: 10670.34  
Sublt: -1128.22 Supplies: .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

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

271263

TICKET NUMBER 46676

LOCATION Okley, KS

FOREMAN Jerry Y

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

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-20-14	6285	Klawans-Klawans #1	15	19S	27W	Ness
CUSTOMER	Mess City E to 8B S to 100 W into					
Mailing Address						
Palomino Petro						
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			399	Jerry Y		
			5287129	Lance R		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 679 CASING SIZE & WEIGHT 8 5/8 24 lb  
 CASING DEPTH 679 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL. 1.24 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 42 bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting orig on 10/6/10 break circulation with rig free  
Mix 42.5 sks cement with 30 cc & 20 gal shut down release  
plug 2554 up & displace with 42 bbl & shut in. Circulated approx 2 bbls  
p=2

Cement did  
circulate  
Thank you  
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401s	1	PUMP CHARGE	1150.00	1150.00
5406	20	MILEAGE	5.25	105.00
5407a	20	ton mileage delivery	1.25	25.00
1104s	425 sks	com class A cement	18.55	7883.75
1186	799 #	ben tonite gel	27	215.73
1102	1199 #	Calcium Chloride	9.9	11270.6
4432	1	8 5/8 wooden plug	100.75	100.75
			566.61	11282.27
		less 10% disc.		11282.27
		Subtotal		12154.29
		SALES TAX	514.27	12668.56
		ESTIMATED TOTAL		10670.34

Ravin 9737

*[Signature]*

TITLE T.P.

DATE 9-20-14

AUTHORIZATION \_\_\_\_\_

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.

RECEIVED

OCT 25 2014



PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 146411  
Invoice Date: Oct 18, 2014  
Page: 1

**Bill To:**  
 Palomino Petroleum, Inc.  
 4924 SE 84th St  
 Newton, KS 67114-8827

Federal Tax I.D.#: 20-8651475

<b>Customer ID</b>		<b>Field Ticket #</b>		<b>Payment Terms</b>	
Palo		55347		Net 30 Days	
<b>Job Location</b>		<b>Camp Location</b>		<b>Service Date</b>	<b>Due Date</b>
KS1-03		Russell		Oct 18, 2014	11/17/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Kleweno-Kleweno #1		
140.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	2,648.80
31.00	CEMENT MATERIALS	Flo Seal	2.97	92.07
140.00	CEMENT SERVICE	Cubic Feet Charge	2.48	347.20
302.50	CEMENT SERVICE	Ton Mileage Charge	2.75	831.88
1.00	CEMENT SERVICE	Plug to Abandon	2,213.75	2,213.75
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
100.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	770.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	CEMENT SUPERVISOR	Robert Yakubovich		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	OPERATOR ASSISTANT	Tracy Jordan		

Subtotal	7,233.70
Sales Tax	444.87
Total Invoice Amount	7,678.57
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,678.57</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1,808.43

ONLY IF PAID ON OR BEFORE

Nov 17, 2014

# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D.# 20-5975804

055347

REMIT TO P.O. BOX 31

RUSSELL, KANSAS 67665

*Kleweno-Kleweno #1*

SERVICE POINT:

*Levee # KS*

DATE <i>10-18-14</i>	SEC. <i>3</i>	TWP. <i>19</i>	RANGE <i>22</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Kleweno</i>	WELL # <i>1</i>	LOCATION <i>Bazine</i>		<i>ZW 15 1/2 W S into</i>	COUNTY <i>WASS</i>	STATE <i>KS</i>	
OLD OR NEW <input checked="" type="checkbox"/> Circle one							

CONTRACTOR *WJ # 4*

TYPE OF JOB *PTA*

HOLE SIZE <i>7 7/8</i>	T.D. <i>4352</i>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <i>4 1/2</i>	DEPTH <i>16.6</i>
TOOL	DEPTH
PRES. MAX	MINIMUM
WEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

DISPLACEMENT

EQUIPMENT

PUMP TRUCK CEMENTER *Robert Y*

# *409* HELPER *Nathan D*

BULK TRUCK

# *410* DRIVER *Tresey J*

BULK TRUCK

# DRIVER

REMARKS:

*see log #1 50 sks @ 1470*

*#2 40 sks @ 660*

*#3 20 sks @ 60*

*30 sks in bar hole*

*Thank you!!!*

CHARGE TO: *Palomina Petroleum Inc*

STREET

CITY STATE ZIP

OWNER

CEMENT AMOUNT ORDERED *140 @ 1/4 @ 49.90 = 1/4 \$10*

COMMON	@	
POZ MIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<i>1/4 @ 49.90</i>	@	<i>18.72</i>
<i>5/8 @ 31.2</i>	@	<i>2.97</i>
	@	<i>2648.80</i>
	@	<i>92.07</i>

*Material @ 2740.87*

*Slime @ 685.02*

HANDLING *140 sks @ 2.48 = 347.20*

MILEAGE *303 @ 2.75 = 831.88*

*202.5 TOTAL 3979.95*

SERVICE

DEPTH OF JOB *1470*

PUMP TRUCK CHARGE *2213.75*

EXTRA FOOTAGE @ *4.90 = 220.00*

MILEAGE *100 HWY @ 7.70 = 770.00*

MANIFOLD @

*Slime 1095.70 TOTAL 4381.83*

*4381.83 TOTAL 3203.71*

PLUG & FLOAT EQUIPMENT

*8 3/4 Wooden plug @ 110.00 = 110.00*

@

@

@

@

*Slime 2750 TOTAL 110.00*

SALES TAX (if Any)

TOTAL CHARGES *7233.70*

DISCOUNT *1808.43 @ 25% = 452.11*

PAID IN 30 DAYS

*Net 5425.27*

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Walter Brown*

SIGNATURE *Walter Brown*





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**15-19s-22w-Ness Co.**

4924 SE 84th St.  
New ton KS 67114

**Kleweno-Kleweno**

Job Ticket: 60517 **DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2014.09.24 @ 08:23:56

**GENERAL INFORMATION:**

Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:41:36  
 Time Test Ended: 15:20:56  
 Interval: **4240.00 ft (KB) To 4345.00 ft (KB) (TVD)**  
 Total Depth: 4345.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:

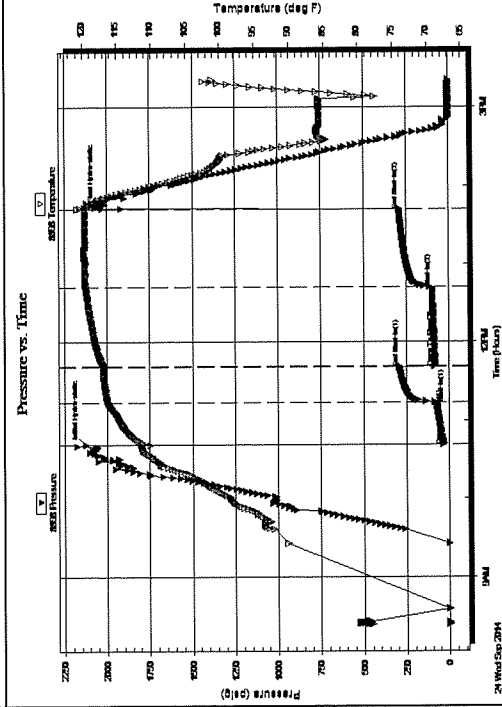
Test Type: Conventional Bottom Hole (Initial)  
 Tester: Tate Lang  
 Unit No: 77

Reference Elevations: 2210.00 ft (KB)  
 2205.00 ft (CF)  
 5.00 ft  
 KB to GR/CF:

**Serial #: 8898** **Outside**  
 Press@RunDepth: 98.86 psig @ 4246.00 ft (KB)  
 Start Date: 2014.09.24 End Date:  
 Start Time: 08:23:57 End Time:

Capacity: 8000.00 psig  
 Last Calib.: 2014.09.24  
 Time On Btm: 2014.09.24 @ 10:41:26  
 Time Off Btm: 2014.09.24 @ 13:42:35

**TEST COMMENT:** 30-Fair blow built to 4 1/2 in  
 30-Dead no blow back  
 60-Weak surface blow built to 3 in  
 60-Dead no blow back



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.37	111.53	Initial Hydro-static
1	36.20	110.12	Open To Flow (1)
33	75.57	116.26	Shut-In(1)
60	289.79	117.03	End Shut-In(1)
61	86.21	116.90	Open To Flow(2)
121	98.86	119.51	Shut-In(2)
181	291.92	119.68	End Shut-In(2)
182	2030.65	120.31	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
124.00	SMCW 10%M 90%W spots if oil	0.61
30.00	MCW 40%M 60%W	0.42

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

15-19s-22w-Ness Co.

4924 SE 84th St.  
New ton KS 67114

**Kleweno-Kleweno**

Job Ticket: 60517      **DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2014.09.24 @ 08:23:56

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 52.00 sec/qt  
Water Loss: 8.79 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 9000.00 ppm  
Filter Cake: 1.00 inches

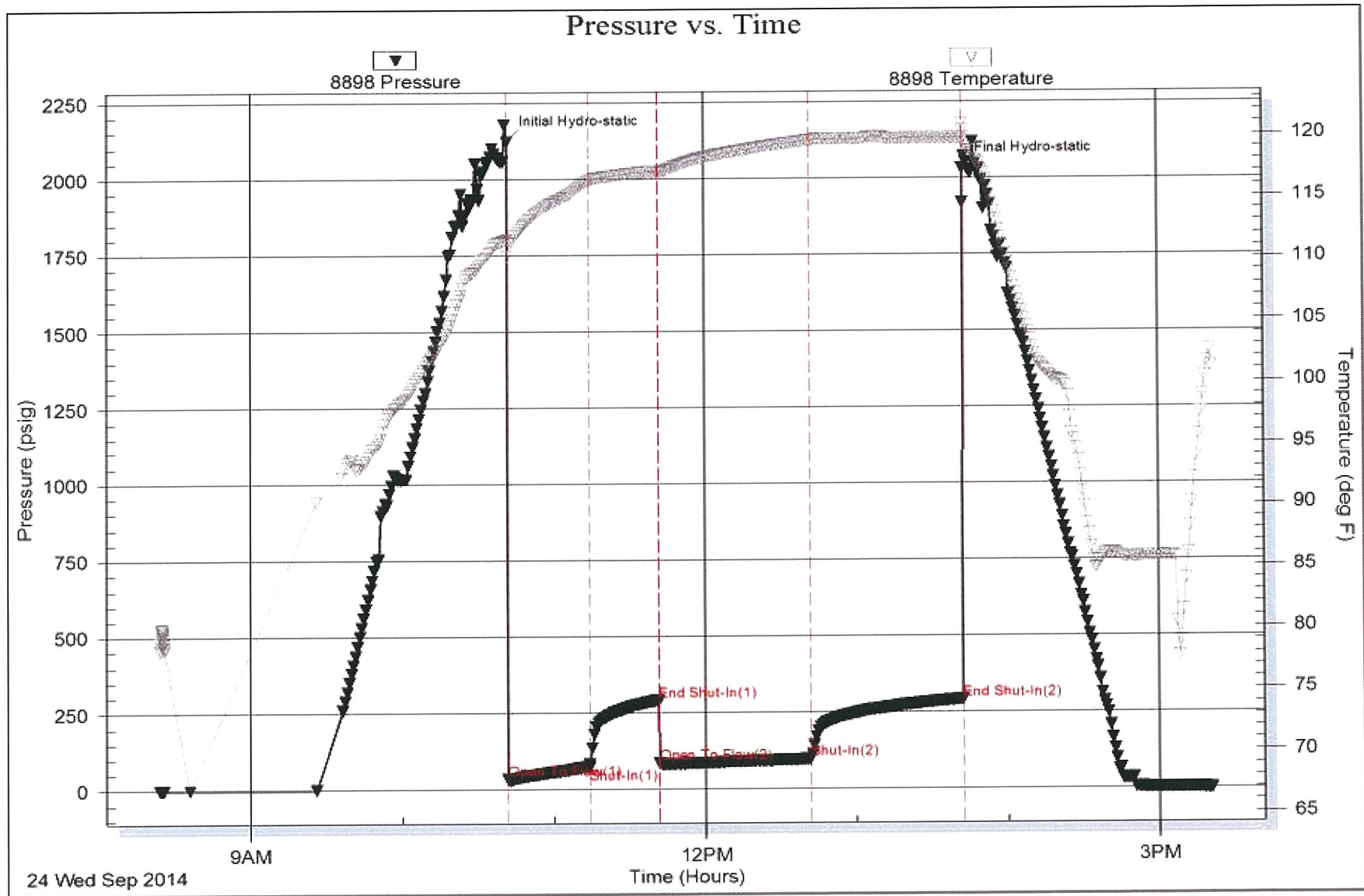
Cushion Type: Oil API: deg API  
Cushion Length: ft      Water Salinity: 28000 ppm  
Cushion Volume: bbl  
Gas Cushion Type: psig  
Gas Cushion Pressure:

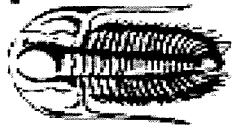
### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
124.00	SMCW 10%M 90%W spots if oil	0.610
30.00	MCW 40%M 60%W	0.421

Total Length: 154.00 ft      Total Volume: 1.031 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: . 197 @ 90F = 28000





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**15-19s-22w-Ness Co.**

4924 SE 84th St.  
New ton KS 67114

**Kleweno-Kleweno #1**

ATTN: Andrew Stenzel

Job Ticket: 60518  
Test Start: 2014.09.25 @ 10:44:01  
DST#: 2

## GENERAL INFORMATION:

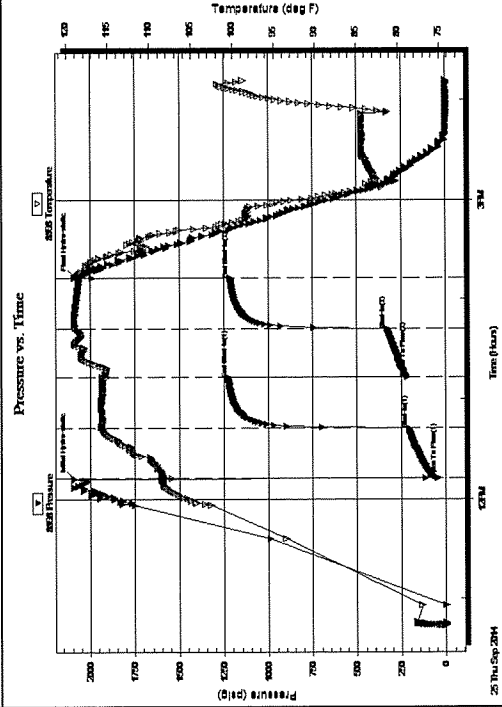
Formation: **Ft Scott & Miss**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 12:12:31  
 Time Test Ended: 16:11:51  
 Interval: **4198.00 ft (KB) To 4362.00 ft (KB) (TVD)**  
 Total Depth: **4430.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Straddle (Reset)**  
 Tester: **Tate Lang**  
 Unit No: **77**  
 Reference Elevations: **2210.00 ft (KB)**  
**2205.00 ft (CF)**  
**5.00 ft**  
 KB to GR/CF:

## Serial #: 8898

Press@RunDepth: **331.35 psig @ 4204.00 ft (KB)**  
 Start Date: 2014.09.25 End Date:  
 Start Time: 10:44:02 End Time:

Capacity: **8000.00 psig**  
 Last Callb.: 2014.09.25  
 Time On Btm: 2014.09.25 @ 12:12:11  
 Time Off Btm: 2014.09.25 @ 14:13:21

**TEST COMMENT:** B.O.B. in 9 mins  
 Dead no blow back  
 B.O.B. in 15 mins  
 Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.46	108.67	Initial Hydro-static
1	44.43	108.05	Open To Flow (1)
31	207.74	115.59	Shut-In(1)
62	1223.26	115.67	End Shut-in(1)
62	221.01	115.09	Open To Flow (2)
91	331.35	118.75	Shut-In(2)
121	1216.53	118.55	End Shut-In(2)
122	2087.53	118.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
372.00	WCM 40%W 60%M	4.09
310.00	Mud 100%M	4.35

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mc/cfd)

\* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 60518

Printed: 2014.09.25 @ 16:55:25



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

**15-19s-22w-Ness Co.**

4924 SE 84th St.  
New ton KS 67114

**Kleweno-Kleweno #1**

Job Ticket: 60518      **DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2014.09.25 @ 10:44:01

**GENERAL INFORMATION:**

Formation: **Ft Scott & Miss**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 12:12:31  
 Time Test Ended: 16:11:51  
 Interval: **4198.00 ft (KB) To 4362.00 ft (KB) (TVD)**  
 Total Depth: 4430.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: **Good**

Test Type: **Conventional Straddle (Reset)**  
 Tester: **Tate Lang**  
 Unit No: **77**

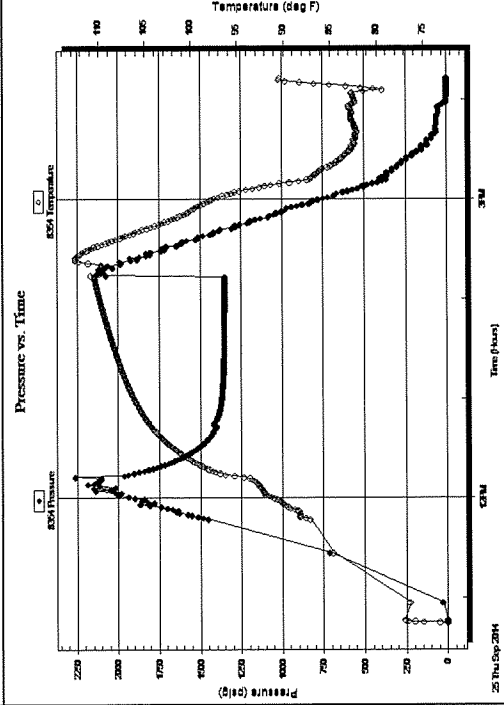
Reference Elevations: 2210.00 ft (KB)  
 2205.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8354 Below (Straddle)**

Press@RunDepth: **psig @ 4368.00 ft (KB)**  
 Start Date: 2014.09.25      End Date:  
 Start Time: 10:45:03      End Time:

Capacity: 8000.00 psig  
 Last Callb.: 2014.09.25  
 Time On Btm: 16:12:42  
 Time Off Btm:

**TEST COMMENT:** B.O.B. in 9 mins  
 Dead no blow back  
 B.O.B. in 15 mins  
 Dead no blow back



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
372.00	WCM 40%W 60%M	4.09
310.00	Mud 100%M	4.35

**Gas Rates**

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

\* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 60518

Printed: 2014.09.25 @ 16:55:25



**TRIOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

15-19s-22w-Ness Co.

4924 SE 84th St.  
Newton KS 67114

**Kleweno-Kleweno #1**

Job Ticket: 60518

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2014.09.25 @ 10:44:01

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 8.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 8000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type: Oil API: deg API  
Cushion Length: ft Water Salinity: 30000 ppm  
Cushion Volume: bbl  
Gas Cushion Type: psig  
Gas Cushion Pressure:

### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
372.00	WCM 40%W 60%M	4.089
310.00	Mud 100%M	4.348

Total Length: 682.00 ft Total Volume: 8.437 bbl  
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:  
Laboratory Name: Laboratory Location:  
Recovery Comments: 90F @ .168 = 30000

