



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1236716
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: _____



1236716

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	L & M Kleweno 1
Doc ID	1236716

Tops

Name	Top	Datum
Anhy.	1420	(+ 728)
Base Anhy.	1464	(+ 684)
Heebner	3615	(-1467)
LKC	3660	(-1512)
BKC	3977	(-1829)
Ft. Scott	4154	(-2006)
Miss.	4246	(-2098)
LTD	4352	(-2204)

OCT 25 2014



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 146411

Invoice Date: Oct 18, 2014

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

Page: 1

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Palo	55347	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
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		

Handwritten in red: "Cement for plugging 10/18"

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

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

Handwritten in red:
-1,808.43
5,870.14 ~

ALLIED OIL & GAS SERVICES, LLC 055347

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
 RUSSELL, KANSAS 67665
Kleweno-Kleweno #1

SERVICE POINT:
Russell 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 <i>9:06 AM</i>	JOB FINISH <i>9:30 AM</i>
LEASE <i>Lea Kleweno</i>				WELL# <i>1</i>	LOCATION <i>Bazine 2W 15 1/8 W S into</i>	COUNTY <i>Wes</i>	STATE <i>KS</i>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *WW #4*

TYPE OF JOB *PTA*

HOLE SIZE *7 7/8* T.D. *4352*

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* *16.6* DEPTH *1470*

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED *140 @ 1/40 49 gal 1/4 \$10*

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

<i>6/40 49 gal</i>	<i>140</i>	@	<i>18.92</i>	<i>2648.80</i>
<i>\$10-sec 1</i>	<i>31</i>	@	<i>2.97</i>	<i>92.07</i>

Material @ *2740.87*

Disc @ *685.21*

HANDLING *140 sks* @ *2.48* *347.20*

MILEAGE *303.5* @ *2.75* *831.88*

303.5 TOTAL *3919.95*

EQUIPMENT

PUMP TRUCK CEMENTER *Robert V*

409 HELPER *Nathan D*

BULK TRUCK

410 DRIVER *Tracy J*

BULK TRUCK

DRIVER

REMARKS:

See log p1 50 sks @ 1470

p2 40 sks @ 660

p3 20 sks @ 60

30 sks in Rat hole

Thank you!!!

CHARGE TO: *Palomina Petroleum Inc*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB *1470*

PUMP TRUCK CHARGE *2213.75*

EXTRA FOOTAGE @

MILEAGE *50 LVMZ* @ *4.40* *220.00*

MANIFOLD @

100 HVMZ @ *7.70* *770.00*

Disc 1095.70 TOTAL *4381.83*

~~TOTAL 3203.75~~

PLUG & FLOAT EQUIPMENT

8 7/8 Wooden plug @ *110.00* *110.00*

@

@

@

Disc 29.50 TOTAL *110.00*

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*

SALES TAX (If Any)

TOTAL CHARGES *7233.70*

DISCOUNT *1908.48* (25%) IF PAID IN 30 DAYS

net 5425.27



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

OCT 16 2014

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

INVOICE

Invoice # 271732

Invoice Date: 10/13/2014 Terms: 10/10/10,n/30

Page 1

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

L&M KLEWENO #1
2-19S-22
46756
10/11/2014
KS

Part Number	Description	Qty	Unit Price	Total
1127	70/30 POZ MIX	500.00	16.0000	8000.00
1104S	CLASS "A" CEMENT (SALE)	150.00	18.5500	2782.50
1102	CALCIUM CHLORIDE (50#)	1713.00	.9400	1610.22
1107	FLO-SEAL (25#)	125.00	2.9700	371.25
1118A	S-5 GEL/ BENTONITE (50#)	2862.00	.2700	772.74
4132	CENTRALIZER 8 5/8"	2.00	86.0000	172.00
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75
4229	INSERT FLAPPER VALVE 8 5	1.00	80.0000	80.00

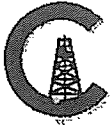
Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-288.75
9996-130	CEMENT MATERIAL DISCOUNT	-1388.94

Description	Hours	Unit Price	Total
397 MIN. BULK DELIVERY	1.00	997.50	997.50
399 SINGLE PUMP	1.00	1785.00	1785.00
522 EQUIPMENT MILEAGE (ONE WAY)	20.00	5.25	105.00

Amount Due 17631.16 if paid after 10/23/2014

Parts:	13889.46	Freight:	.00	Tax:	768.78	AR	15868.05
Labor:	.00	Misc:	.00	Total:	15868.05		
Sublt:	-1677.69	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

271730

TICKET NUMBER 46756
LOCATION Oakley KS
FOREMAN Dane Ratzliff

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	KS COUNTY
10-11-14	6285	LHM Kleweno #1	3	18s	22	Ness
CUSTOMER			Ness City			
MAILING ADDRESS			East to			
CITY			RD 88			
STATE			4 South			
ZIP CODE			West into			
TRUCK #		DRIVER		TRUCK #		DRIVER
399		Mike				
528		Rob				
397		Cody				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 1433 CASING SIZE & WEIGHT 8 5/8 24 LBS
 CASING DEPTH 1433 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 12.5/148 SLURRY VOL 178/136 WATER gal/sk 9.42/6.5 CEMENT LEFT in CASING 32
 DISPLACEMENT 89.24 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

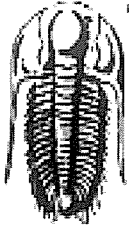
REMARKS: Safety meeting. Rig up. Run float equipment. Cents on 143. Break circulation.
Mix 500 sks 65/35 6% gel 3% cc 1/4 flo. Tail in with 150 com 390 cc 2% gel.
Shut down. Release plug. Wash up. Displace 89 BBls of water. Lift pressure was 600 psi.
Cement did circulate.

Thanks Dane & crew.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401c	1	PUMP CHARGE	1785.00	1785.00 ✓
5406	20	MILEAGE	5.25	105.00 ✓
5407	28.5	Ton Mileage Delivery	1.75	997.50 ✓
1127	500 SKS	65/35 Poz mix	16.00	8000.00 ✓
11045	150 SKS	Class A Cement	18.55	2782.50 ✓
1102	1713	Calcium Chloride	.94	1610.22 ✓
1107	125	Flo Seal	2.97	371.25 ✓
1118A	2862	Bentonite	.27	772.74 ✓
4132	2	8 5/8 Centralizers	86.00	172.00 ✓
4432	1	8 5/8 Plug	100.75	100.75 ✓
4246	1	8 5/8 Baffle Plate	80.00	80.00 ✓
			Sub	16776.96 ✓
			less 10%	16776.96 ✓
			Total	15099.24 ✓
			SALES TAX	768.78 ✓
			ESTIMATED TOTAL	15868.05 ✓

AVIN 3737
 AUTHORIZATION Walter Brown TITLE Tool Pusher DATE 10-11-14

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
Newton KS, 67114

ATTN: Jerry Smith

3-19s-22w Ness KS

L&M Kleweno #1

Job Ticket: 59368

DST#: 1

Test Start: 2014.10.15 @ 20:54:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:19:45

Time Test Ended: 10:34:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: **4194.00 ft (KB) To 4254.00 ft (KB) (TVD)**

Total Depth: 4254.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2148.00 ft (KB)

2140.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8648

Inside

Press@RunDepth: 63.79 psig @ 4231.00 ft (KB)

Start Date: 2014.10.15

End Date:

2014.10.16

Start Time: 20:54:05

End Time:

10:34:15

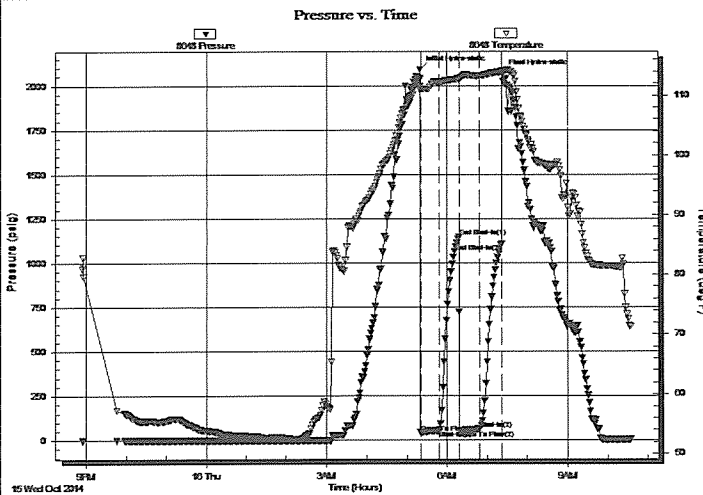
Capacity: 8000.00 psig

Last Calib.: 2014.10.16

Time On Btm: 2014.10.16 @ 05:19:00

Time Off Btm: 2014.10.16 @ 07:22:45

TEST COMMENT: 30 - IF- 1" blow in 5 minutes. stayed at 1"
30 - ISI- No return
30 - FF- No blow
30 - FSI- No return



PRESSURE SUMMARY

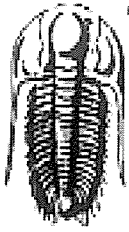
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.13	111.39	Initial Hydro-static
1	41.59	110.93	Open To Flow (1)
29	53.02	112.27	Shut-In(1)
59	1147.14	112.77	End Shut-In(1)
60	55.62	112.46	Open To Flow (2)
90	63.79	113.28	Shut-In(2)
123	1108.54	113.93	End Shut-In(2)
124	2069.09	114.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	HOCM, 40%O, 60%M	0.05
5.00	Mud - Oil spots, 100%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

3-19s-22w Ness KS

4924 SE 84th St
New ton KS, 67114

L&M Kleweno #1

Job Ticket: 59368

DST#: 1

ATTN: Jerry Smith

Test Start: 2014.10.15 @ 20:54:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	HOCM, 40%O, 60%M	0.049
5.00	Mud - Oil spots, 100%M	0.025

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

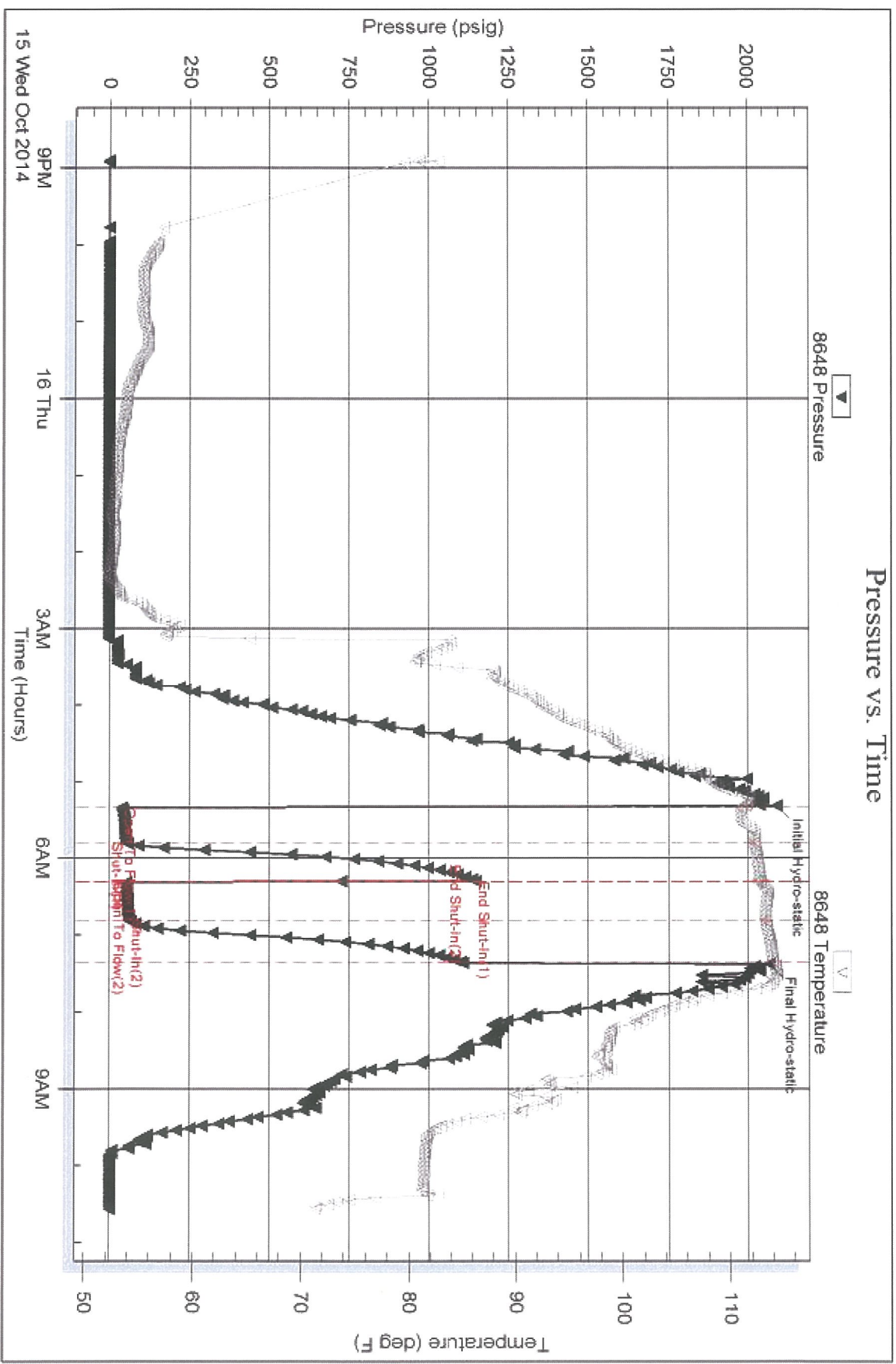
Serial #: 8648

Inside

Palomino Petroleum, Inc

L&M Kiew eno #1

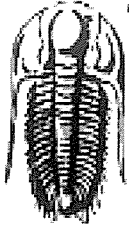
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 59368

Printed: 2014.10.16 @ 10:51:46



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
 4924 SE 84th St
 Newton KS, 67114
 ATTN: Jerry Smith

3-19s-22w Ness KS
L&M Kleweno #1
 Job Ticket: 59369 **DST#: 2**
 Test Start: 2014.10.16 @ 16:54:00

GENERAL INFORMATION:

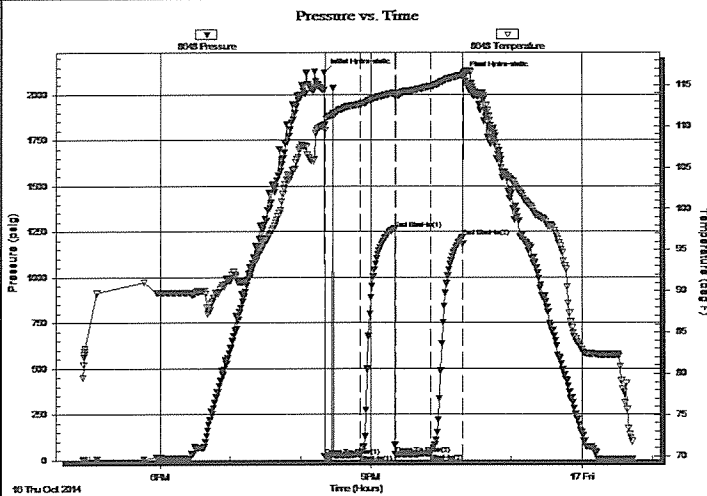
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:20:30
 Time Test Ended: 00:43:30
 Interval: **4253.00 ft (KB) To 4262.00 ft (KB) (TVD)**
 Total Depth: 4262.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2148.00 ft (KB)
 2140.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8648

Inside

Press@RunDepth: 37.34 psig @ 4254.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.16 End Date: 2014.10.17 Last Calib.: 2014.10.17
 Start Time: 16:54:05 End Time: 00:43:29 Time On Btm: 2014.10.16 @ 20:20:15
 Time Off Btm: 2014.10.16 @ 22:19:30

TEST COMMENT: 30 - IF- No blow for 5 minutes, flushed tool, 1/4" blow, died in 10 minutes
 30 - IS- No return
 30 - FF- No blow
 30 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.59	110.13	Initial Hydro-static
1	21.10	109.53	Open To Flow (1)
31	29.71	112.66	Shut-In(1)
60	1265.03	114.03	End Shut-In(1)
61	31.31	113.70	Open To Flow (2)
91	37.34	114.82	Shut-In(2)
119	1218.23	116.19	End Shut-In(2)
120	2105.29	116.40	Final Hydro-static

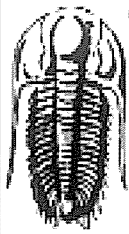
Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM, 25%O, 75%M	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

3-19s-22w Ness KS

4924 SE 84th St
New ton KS, 67114

L&M Kleweno #1

Job Ticket: 59369

DST#: 2

ATTN: Jerry Smith

Test Start: 2014.10.16 @ 16:54:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 4800.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM, 25%O, 75%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8648

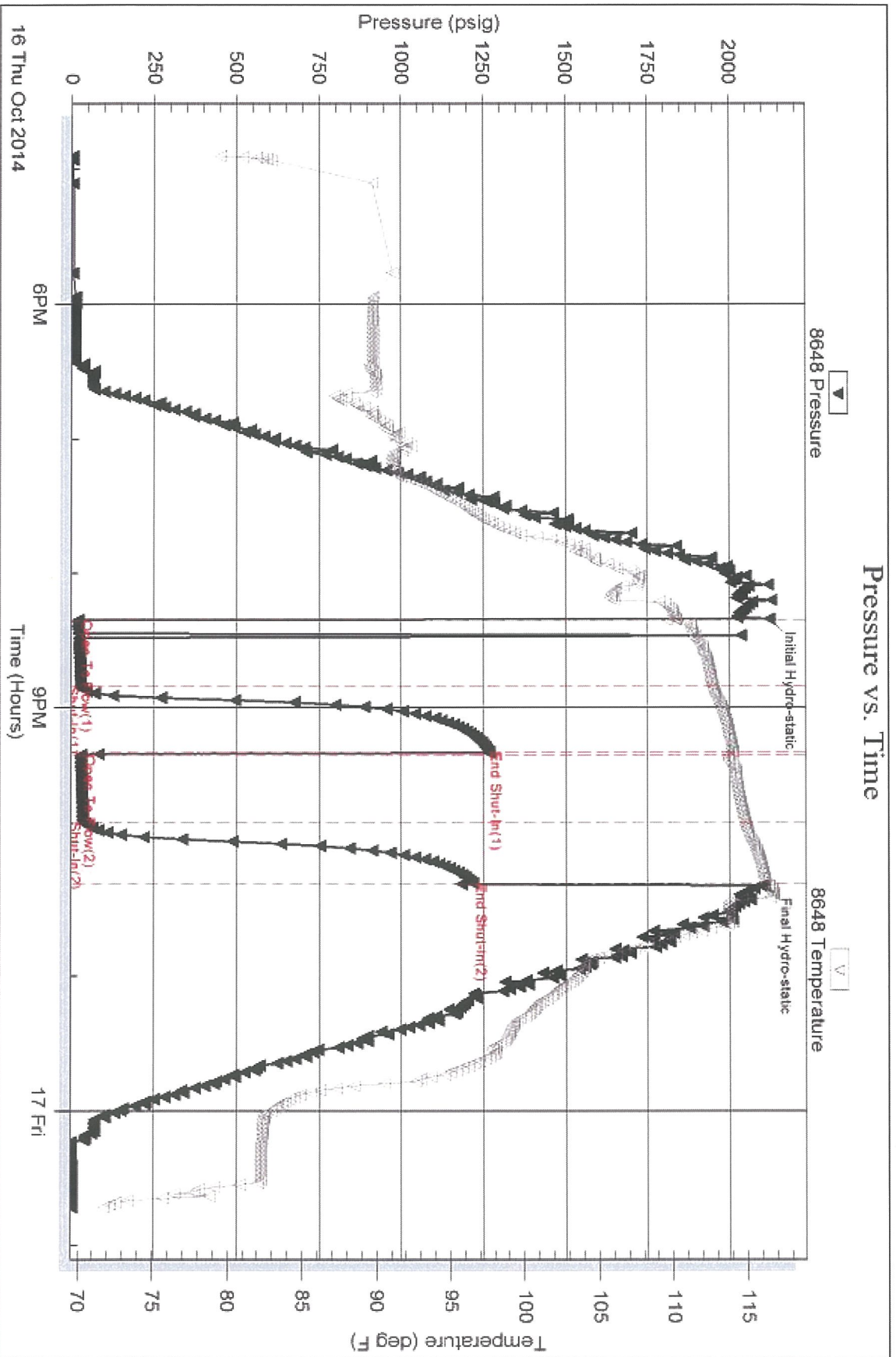
Inside

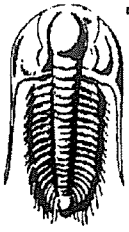
Palominio Petroleum, Inc

L&M Kiew eno #1

DST Test Number: 2

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

3-19s-22w Ness KS

4924 SE 84th St
New ton KS, 67114

L&M Kleweno #1

Job Ticket: 59370

DST#: 3

ATTN: Jerry Smith

Test Start: 2014.10.17 @ 07:00:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **09:01:45** Tester: **Cody Bloedorn**
 Time Test Ended: **13:31:30** Unit No: **73**

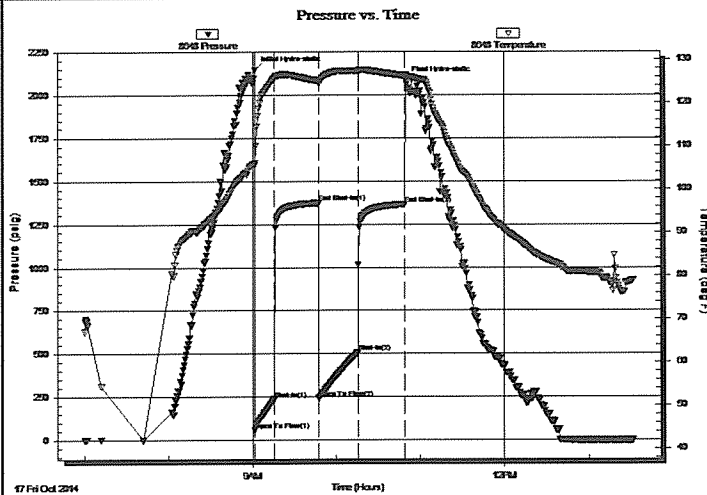
Interval: **4261.00 ft (KB) To 4272.00 ft (KB) (TVD)** Reference Elevations: **2148.00 ft (KB)**
 Total Depth: **4272.00 ft (KB) (TVD)** **2140.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **8.00 ft**

Serial #: 8648

Inside

Press@RunDepth: **509.79 psig @ 4262.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2014.10.17** End Date: **2014.10.17** Last Calib.: **2014.10.17**
 Start Time: **07:00:05** End Time: **13:31:29** Time On Btm: **2014.10.17 @ 09:01:30**
 Time Off Btm: **2014.10.17 @ 10:49:30**

TEST COMMENT: 15 - IF- B.O.B. in 3 minutes
 30 - IS- Surface return
 30 - FF- B.O.B. in 4 minutes
 30 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.90	106.02	Initial Hydro-static
1	59.42	105.54	Open To Flow (1)
15	238.24	125.58	Shut-In(1)
46	1372.78	124.92	End Shut-In(1)
46	243.80	124.41	Open To Flow (2)
74	509.79	127.19	Shut-In(2)
108	1365.14	126.13	End Shut-In(2)
108	2082.72	126.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW, - Oil spots, 40%M, 60%W	0.65
620.00	OW, 5%O, 95%W	8.70
398.00	OCMW, 15%O, 15%M, 70%W	5.58
10.00	Free Oil, 100%O	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

3-19s-22w Ness KS

4924 SE 84th St
New ton KS, 67114

L&M Kleweno #1

Job Ticket: 59370

DST#: 3

ATTN: Jerry Smith

Test Start: 2014.10.17 @ 07:00:00

GENERAL INFORMATION:

Formation: Miss Deviated: No Whipstock: ft (KB) Time Tool Opened: 09:01:45 Time Test Ended: 13:31:30	Test Type: Conventional Bottom Hole (Reset) Tester: Cody Bloedorn Unit No: 73
Interval: 4261.00 ft (KB) To 4272.00 ft (KB) (TVD) Total Depth: 4272.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Reference Elevations: 2148.00 ft (KB) 2140.00 ft (CF) KB to GR/CF: 8.00 ft

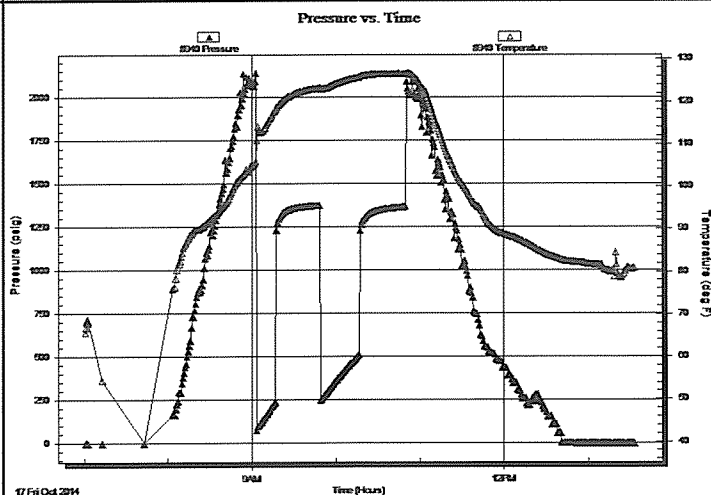
Serial #: 8940

Outside

Press@RunDepth: psig @ 4262.00 ft (KB) Start Date: 2014.10.17 End Date: 2014.10.17 Start Time: 07:01:05 End Time: 13:32:29	Capacity: 8000.00 psig Last Calib.: 2014.10.17 Time On Btm: Time Off Btm:
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TEST COMMENT:

- 15 - IF- B.O.B. in 3 minutes
- 30 - IS- Surface return
- 30 - FF- B.O.B. in 4 minutes
- 30 - FS- No return



PRESSURE SUMMARY

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

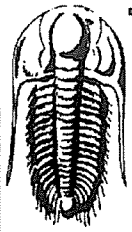
Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW, - Oil spots, 40%M, 60%W	0.65
620.00	OW, 5%O, 95%W	8.70
398.00	OCMW, 15%O, 15%M, 70%W	5.58
10.00	Free Oil, 100%O	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

3-19s-22w Ness KS

4924 SE 84th St
New ton KS, 67114

L&M Kleweno #1

Job Ticket: 59370

DST#: 3

ATTN: Jerry Smith

Test Start: 2014.10.17 @ 07:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	MW, - Oil spots, 40%M, 60%W	0.646
620.00	OW, 5%O, 95%W	8.697
398.00	OCMW, 15%O, 15%M, 70%W	5.583
10.00	Free Oil, 100%O	0.140

Total Length: 1152.00 ft Total Volume: 15.066 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .21 @ 70 Degrees = 32000

Serial #: 8648

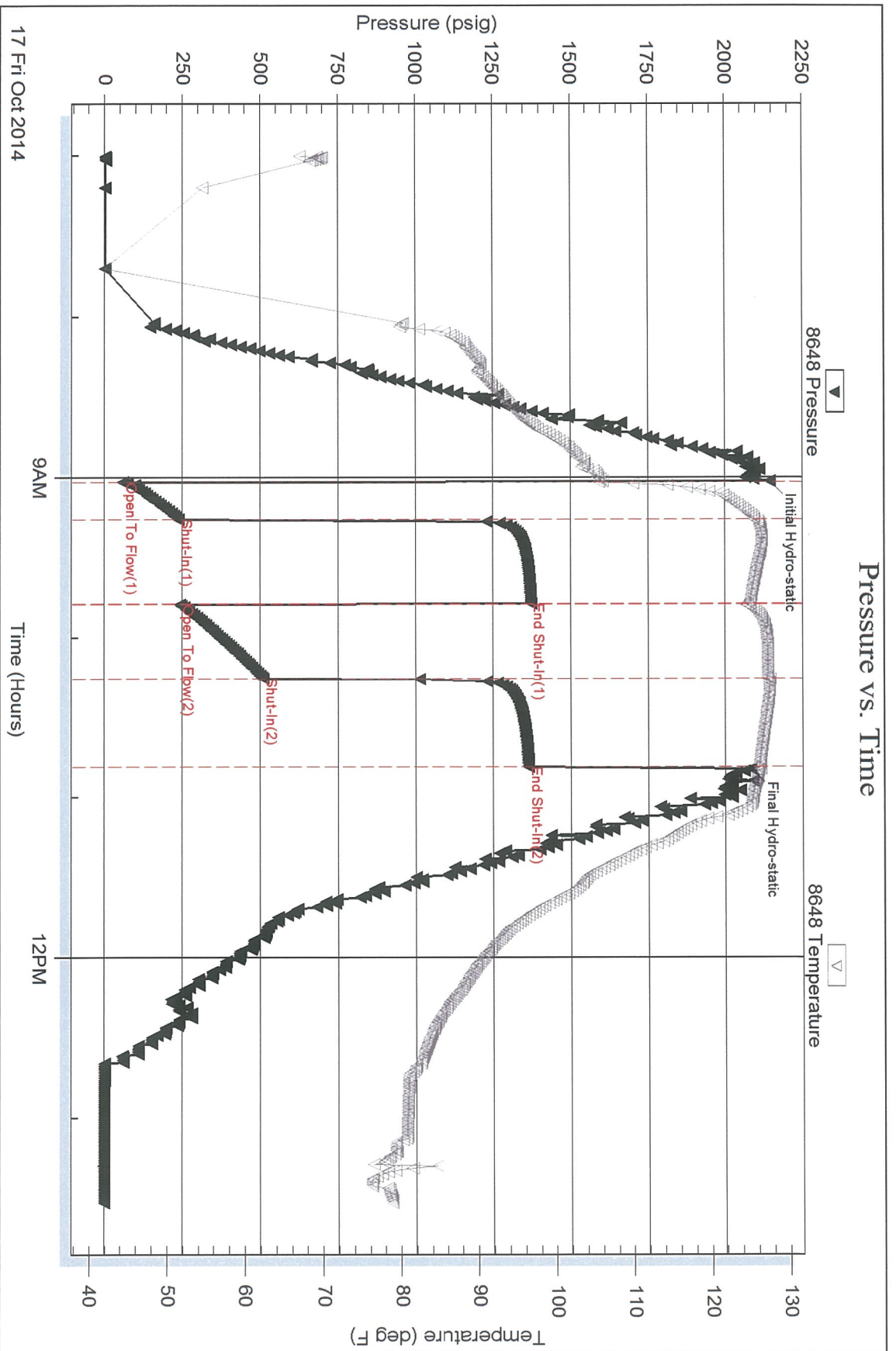
Inside

Palomino Petroleum, Inc

L&M Kiew eno #1

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 59370

Printed: 2014.10.17 @ 17:07:13

Serial #: 8940

Outside Palomino Petroleum, Inc

L&MKlew eno #1

DST Test Number: 3

