



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1217377  
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: \_\_\_\_\_

1217377

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> <i>(Submit ACO-4)</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	Lenihan 1
Doc ID	1217377

Tops

Name	Top	Datum
Anhy.	2214	(+ 838)
Base Anhy.	2228	(+ 824)
Heebner	3917	(- 865)
Lansing	3964	(- 912)
BKC	4413	(-1361)
Pawnee	4524	(-1472)
Ft. Scott	4553	(-1501)
Cherokee Sh.	4565	(-1513)
Morrow	4752	(-1700)
Miss.	4848	(-1792)
LTD	5020	(-1968)



**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

JUL 21 2014

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

INVOICE

Invoice # 269419

Invoice Date: 07/18/2014 Terms: 10/10/10,n/30

Page 1

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

LENIHAN #1  
47011  
22-20-34  
7-11-14  
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	270.00	15.8600	4282.20
1118B	PREMIUM GEL / BENTONITE	929.00	.2700	250.83
1107	FLO-SEAL (25#)	67.00	2.9700	198.99
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-280.14
9996-130	CEMENT MATERIAL DISCOUNT	-483.28

Description	Hours	Unit Price	Total
397 TON MILEAGE DELIVERY	1.00	1117.60	1117.60
399 CEMENT PUMP	1.00	1395.00	1395.00
399 EQUIPMENT MILEAGE (ONE WAY)	55.00	5.25	288.75

Amount Due 8027.99 if paid after 07/28/2014

Parts:	4832.77	Freight:	.00	Tax:	354.48	AR	7225.18
Labor:	.00	Misc:	.00	Total:	7225.18		
Sublt:	-763.42	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_





**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

JUL 19 2014

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

INVOICE

Invoice # 269290

Invoice Date: 07/16/2014 Terms: 10/10/10,n/30

Page 1

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

LENIHAN #1  
46843  
22-20S-34W  
7-2-14  
KS

Description	Hours	Unit Price	Total
CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
EQUIPMENT MILEAGE (ONE WAY)	55.00	5.25	288.75

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

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-358.16
9995-130	CEMENT EQUIPMENT DISCOUNT	-218.51

Description	Hours	Unit Price	Total
460 TON MILEAGE DELIVERY	1.00	746.35	746.35

Amount Due 6058.54 if paid after 07/26/2014

Parts:	3581.55	Freight:	.00	Tax:	262.70	AR	5452.68
Labor:	.00	Misc:	.00	Total:	5452.68		
Sublt:	-576.67	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

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

269290

TICKET NUMBER 46843  
LOCATION Oakbark  
FOREMAN Miles Shaw

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-2-14	6285	Lenihan #1	22	205	34W	Scott
CUSTOMER Palomine Petro			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS			731 Jeremy R			
CITY STATE ZIP CODE			460 Cody R			

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 217 CASING SIZE & WEIGHT 8 5/8 23#  
 CASING DEPTH 217.90 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12 1/2 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting and rig set on WW Drilling #10 Circulate casing  
mix 165 lbs Class A Cement with 3% Calcium 2% gel displaced 12 1/2  
bbls water Short in Cement did Circulate 36 bbls to pit

Thanks Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
B1015	1	PUMP CHARGE	1150. <sup>00</sup>	1150. <sup>00</sup>
S406	55	MILEAGE	5.25	288.75
S407A	7.75 Tons	Ton Materials delivery	1.75	746.35
1102	465 #	Calcium Chloride	1.94	437.10
1104S	165 SHS	Class A Cement	18.55	3060.75
1118B	310 #	Bentonite gel	127	83.70
			Subtotal	5766.65
			less 10% discount	5766.65
			Subtotal	5189.98
			SALES TAX	262.70
			ESTIMATED TOTAL	5452.68

completed

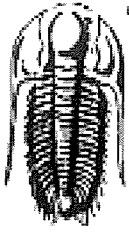
Ravin 3737

AUTHORIZATION \_\_\_\_\_

TITLE T.P.

DATE 7-2-14

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

**22-20s-34w Scott Co KS**

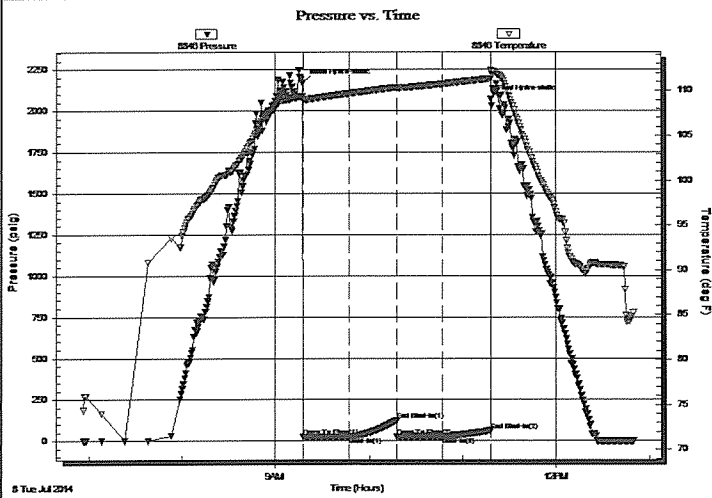
**Lenihan #21**  
 Job Ticket: 57674      **DST#: 1**  
 Test Start: 2014.07.08 @ 06:56:15

**GENERAL INFORMATION:**

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:17:45  
 Time Test Ended: 12:49:45  
 Interval: **4446.00 ft (KB) To 4521.00 ft (KB) (TVD)**  
 Total Depth: 4521.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3052.00 ft (KB)  
 3047.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8846**      **Inside**  
 Press@RunDepth: 27.30 psig @ 4451.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.07.08      End Date: 2014.07.08      Last Calib.: 2014.07.08  
 Start Time: 06:56:15      End Time: 12:49:45      Time On Btm: 2014.07.08 @ 09:17:30  
 Time Off Btm: 2014.07.08 @ 11:18:15

**TEST COMMENT:** IF: Built to weak surface blow and died in 25 min.  
 IS: No return blow  
 FF: No blow  
 FS: No return blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.80	109.34	Initial Hydro-static
1	24.39	108.91	Open To Flow (1)
30	26.87	109.70	Shut-In(1)
60	122.63	110.37	End Shut-In(1)
61	26.71	110.34	Open To Flow (2)
90	27.30	110.76	Shut-In(2)
121	62.21	111.35	End Shut-In(2)
121	2069.63	112.31	Final Hydro-static

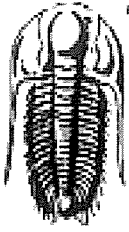
**Recovery**

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

**Gas Rates**

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum  
4924 SE 84th St.  
New ton KS  
67114  
ATTN: Ryan Seib

**22-20s-34w Scott Co KS**  
**Lenihan #2**  
Job Ticket: 57674      **DST#: 1**  
Test Start: 2014.07.08 @ 06:56:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100 % m	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:

Serial #: 8846

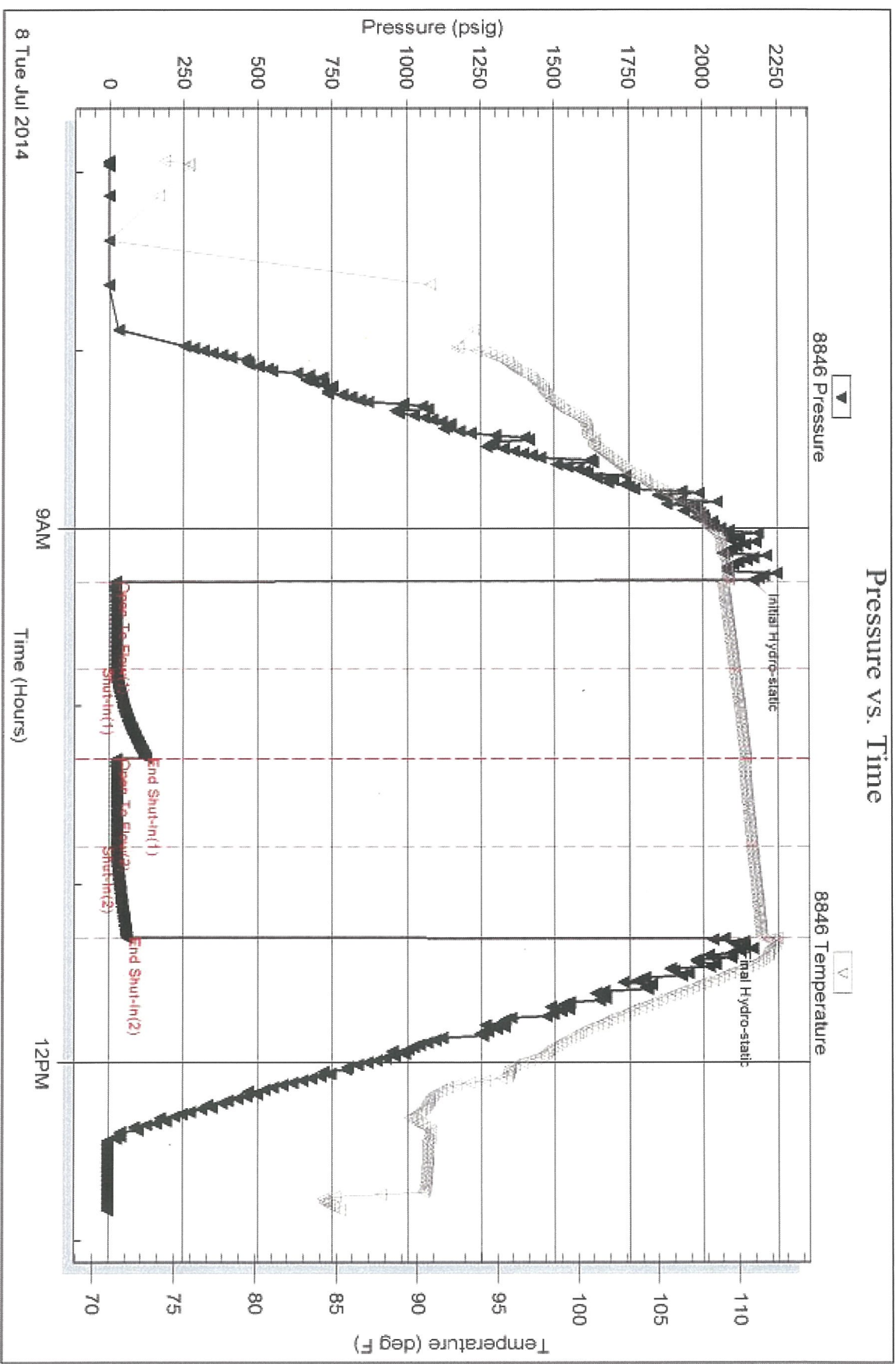
Inside

Palomino Petroleum

Leifhan #2

DST Test Number: 1

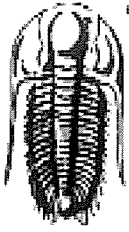
### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57674

Printed: 2014.07.08 @ 13:17:38



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**22-20s-34w Scott Co KS**

**Lenihan #2**  
 Job Ticket: 57675      **DST#: 2**  
 Test Start: 2014.07.09 @ 13:25:15

**GENERAL INFORMATION:**

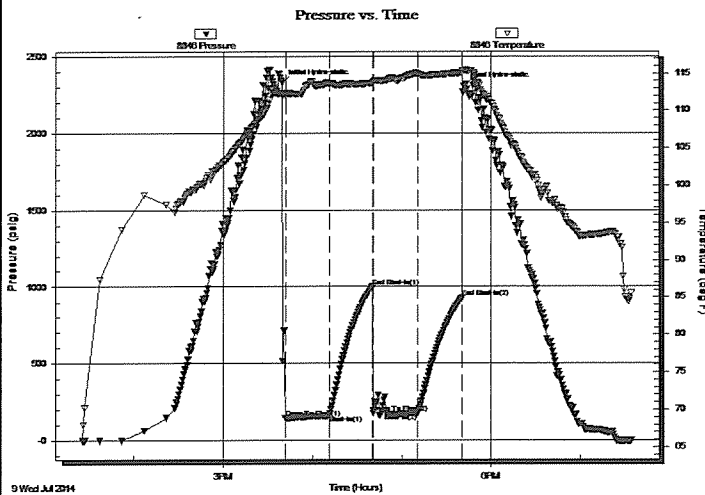
Formation: **Pawnee-Ft Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:41:45  
 Time Test Ended: 19:34:30  
 Interval: **4516.00 ft (KB) To 4570.00 ft (KB) (TVD)**  
 Total Depth: 4760.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3052.00 ft (KB)  
 3047.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 177.00 psig @ 4522.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.07.09      End Date: 2014.07.09      Last Calib.: 2014.07.09  
 Start Time: 13:25:15      End Time: 19:34:30      Time On Btm: 2014.07.09 @ 15:39:30  
 Time Off Btm: 2014.07.09 @ 17:41:45

TEST COMMENT: IF:Built to 1" blow  
 IS:No return blow  
 FF:No blow  
 FS:No return blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2326.50	112.28	Initial Hydro-static
3	145.27	112.00	Open To Flow (1)
32	162.95	113.70	Shut-In(1)
61	1000.22	113.70	End Shut-In(1)
62	177.60	113.82	Open To Flow (2)
92	177.00	114.93	Shut-In(2)
121	926.06	115.07	End Shut-In(2)
123	2302.72	115.36	Final Hydro-static

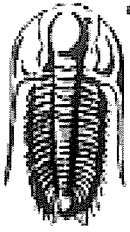
**Recovery**

Length (ft)	Description	Volume (bbl)
62.00	mud 100% m	0.30

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

22-20s-34w Scott Co KS

4924 SE 84th St.  
New ton KS  
67114

Lenihan #2

Job Ticket: 57675

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.07.09 @ 13:25:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mud 100% m	0.305

Total Length: 62.00 ft

Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8846

Inside

Palomino Petroleum

Leñhan #2

DST Test Number: 2

