

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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 <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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	EBBERT 1
Doc ID	1358375

Tops

Name	Top	Datum
Anhy.	1915	(+ 554)
Base Anhy.	1953	(+ 516)
Heebner	3695	(-1226)
Lansing	3735	(-1266)
Muncie Creek	3886	(-1417)
Stark	3971	(-1502)
BKC	4027	(-1558)
Marmaton	4049	(-1580)
Pawnee	4167	(-1698)
Ft. Scott	4230	(-1761)
Cherokee Sh.	4257	(-1788)
Miss.	4330	(-1861)
LTD	4519	(-2050)



GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln  
RUSSELL, KS 67665

# Invoice

RECEIVED

MAY 04 2017

Date	Invoice #
5/1/2017	2838

Bill To
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

P.O. No.	Terms	Project
EBBERT #1	Due on receipt	

Quantity	Description	Rate	Amount
144	COMMON	16.00	2,304.00
96	POZ	9.50	912.00
8	GEL	21.50	172.00
60	FLO-SEAL	2.00	120.00
	BULK MILEAGE	240.00	240.00
308	HANDLING	1.90	585.20
1	TRI-PLEX PUMP CHARGE FOR PLUG	750.00	750.00
10	PUMP TRUCK MILEAGE	7.00	70.00
10	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	30.00
1	DRY HOLE PLUG	62.50	62.50
	DEDUCT 20% FROM TOTAL IF PAID WITHIN 15 DAYS OF INVOICE GOVE CO SALES TAX	8.50%	0.00

Thank you for your business.	<b>Total</b>	\$5,245.70
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# GLOBAL OIL FIELD SERVICES, LLC

2838

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>4-29-17</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Ebbert</u>	WELL #. <u>1</u>	LOCATION <u>16 mi S South of Center, KS</u>			COUNTY <u>Cove</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR W W Drilling Rig # 12  
 TYPE OF JOB Plug  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_  
 EQUIPMENT \_\_\_\_\_  
 PUMP TRUCK # 409 CEMENTER Cody  
 HELPER Tom  
 BULK TRUCK # 481 DRIVER Jordan  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 240' @ 60/40 4% Gel  
1/4" per sq Ft Seal  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

REMARKS:

11 50' 1950'  
12 100' 935'  
43 50' 260'  
Kut hole 50'

CHARGE TO: Palomino Petroleum Inc  
 STREET 4921 SE 8th St Newton KS  
 CITY Newton STATE KS ZIP 67114

Global Oil Field 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 \_\_\_\_\_  
 SIGNATURE [Signature]

SERVICE

DEPTH OF JOB 1950'  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**QUALITY OILWELL CEMENTING, INC.**  
 PO BOX 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665  
 PHONE:785-324-1041 FAX:785-483-1087  
 EMAIL: cementing@ruraltel.net

Date: 4/20/2017  
 Invoice # 209

P.O.#:  
 Due Date: 5/20/2017  
 Division: *Russell*

# Invoice

RECEIVED

APR 22 2017

**Contact:**  
 Palomino Petroleum Inc  
**Address/Job Location:**

4924 SE 84th  
 Newton Ks 67114

**Reference:**  
 EBBERT 1 SEC 16-14-26

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 601.97	No				
Common-Class A	120	\$ 1,344.00	Yes				
Calcium Chloride	6	\$ 226.70	Yes				
Pump Truck Mileage-Job to Nearest Camp	51	\$ 154.84	No				
POZ Mix-Standard	30	\$ 141.69	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	51	\$ 120.43	No				
Bulk Truck Matl-Material Service Charge	159	\$ 107.28	No				
Premium Gel (Bentonite)	3	\$ 58.70	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 2,755.60  
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (68.89)

SubTotal for Taxable Items:	\$ 1,726.81
SubTotal for Non-Taxable Items:	\$ 959.91
<b>Total:</b>	<b>\$ 2,686.71</b>
<b>Tax:</b>	<b>\$ 146.78</b>

8.50% Gove County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 2,833.49**  
**Applied Payments:**  
**Balance Due: \$ 2,833.49**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
 ©2008-2013 Straker Investments, LLC. All rights reserved.

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 209

Date	4-20-12	Sec.	16	Twp.	14	Range	26	County	Goose	State	KS	On Location		Finish	7:00 PM
Lease								Location		Quinter 145 B into					

Lease	Ebbert	Well No.	/	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Contractor	WW #12			Charge To	Palomino Petroleum										
Type Job	Surface			Street											
Hole Size	12 1/4	T.D.	211	City											
Csg.	8 5/8	Depth	211	State											
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
Tool		Depth		Cement Amount Ordered	150 8/20 3/11 2-652										
Cement Left in Csg.	10'	Shoe Joint													
Meas Line		Displace	12 1/2 BCL												

**EQUIPMENT**

Pumptrk	20	No.	Cementer	Eric	Common	120
			Helper	Brett	Poz. Mix	30
Bulktrk		No.	Driver		Gel.	3
			Driver		Calcium	6
Bulktrk	15	No.	Driver	David		
			Driver			

**JOB SERVICES & REMARKS**

Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
8 5/8 on bottom. Est. Circulation		Sand	
Mix 150 5K + Displace		Handling	159
		Mileage	

**FLOAT EQUIPMENT**

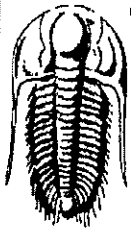
Cement did circulate!!		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Quality Oilwell  
Cementing

Pumptrk Charge	Surface	
Mileage	51	

X Signature		Tax	
		Discount	
		Total Charge	





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum Inc.

16-14s26w Gove Co KS

4924 SE 84th St  
New ton KS  
67114

**Ebbert #1**

Job Ticket: 63721

DST#: 1

ATTN: Ryan Seib

Test Start: 2017.04.25 @ 10:37:23

### GENERAL INFORMATION:

Formation: **G-H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:44:08

Time Test Ended: 16:53:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: **3875.00 ft (KB) To 3915.00 ft (KB) (TVD)**

Reference Elevations: 2469.00 ft (KB)

Total Depth: 3915.00 ft (KB) (TVD)

2464.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6749** Outside

Press@RunDepth: 467.05 psig @ 3910.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.04.25

End Date:

2017.04.25

Last Calib.: 2017.04.25

Start Time: 10:37:23

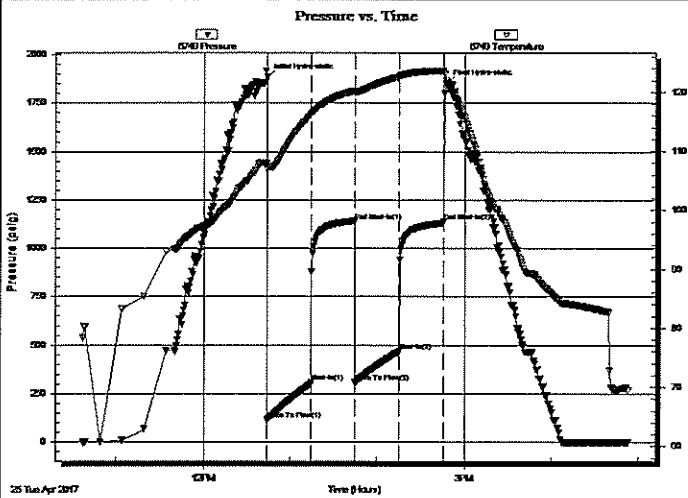
End Time:

16:53:38

Time On Btm: 2017.04.25 @ 12:43:53

Time Off Btm: 2017.04.25 @ 14:47:08

TEST COMMENT: IF:BOB in 6 min.  
IS:No return blow  
FF:BOB in 8 min.  
FS:No return blow



### PRESSURE SUMMARY

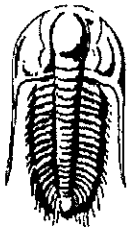
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.78	107.94	Initial Hydro-static
1	114.66	106.95	Open To Flow (1)
31	309.01	116.19	Shut-In(1)
61	1138.53	120.17	End Shut-In(1)
61	308.27	119.92	Open To Flow (2)
92	467.05	122.60	Shut-In(2)
122	1137.36	123.60	End Shut-In(2)
124	1852.31	121.87	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bb)
372.00	mud 100%m	4.13
806.00	mcw 20%m 80%w	11.31

### Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

**DRILL STEM TEST REPORT**

Palomino Petroleum Inc.

**16-14s26w Gove Co KS**

4924 SE 84th St  
New ton KS  
67114

**Ebbert #1**

Job Ticket: 63721

DST#: 1

ATTN: Ryan Seib

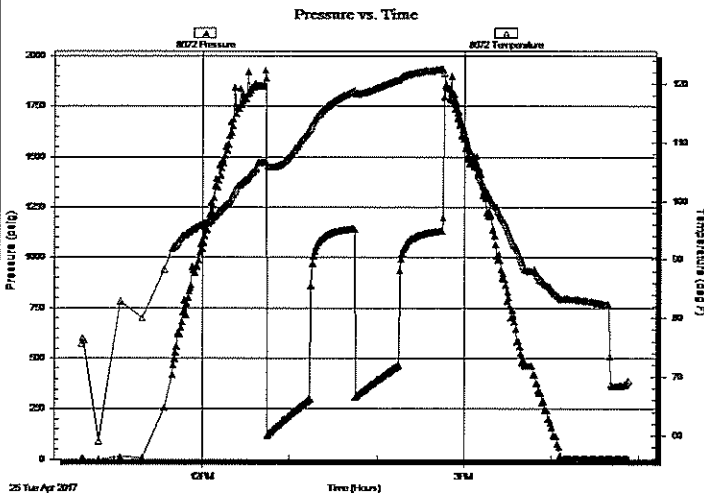
Test Start: 2017.04.25 @ 10:37:23

**GENERAL INFORMATION:**

Formation: G-H  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:44:08  
Time Test Ended: 16:53:38  
Interval: 3875.00 ft (KB) To 3915.00 ft (KB) (TVD)  
Total Depth: 3915.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2469.00 ft (KB)  
2464.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Mike Roberts  
Unit No: 81

**Serial #: 8672 Inside**  
Press@RunDepth: psig @ 3910.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2017.04.25 End Date: 2017.04.25 Last Calib.: 2017.04.25  
Start Time: 10:37:15 End Time: 16:53:30 Time On Btm:  
Time Off Btm:

TEST COMMENT: IF:BOB in 6 min.  
IS:No return blow  
FF:BOB in 8 min.  
FS:No return blow



**PRESSURE SUMMARY**

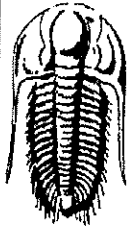
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
372.00	mud 100%m	4.13
806.00	mcw 20%m 80%w	11.31

**Gas Rates**

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



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

16-14s26w Gove Co KS

4924 SE 84th St  
New ton KS  
67114

**Ebbert #1**

Job Ticket: 63721

DST#: 1

ATTN: Ryan Seib

Test Start: 2017.04.25 @ 10:37:23

## 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:	28000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	6.39 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	1.00 inches				

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
372.00	mud 100%m	4.125
806.00	mcw 20%m 80%w	11.306

Total Length: 1178.00 ft      Total Volume: 15.431 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW= .271@62.7\*= 28,000 ppm

Serial #: 6749

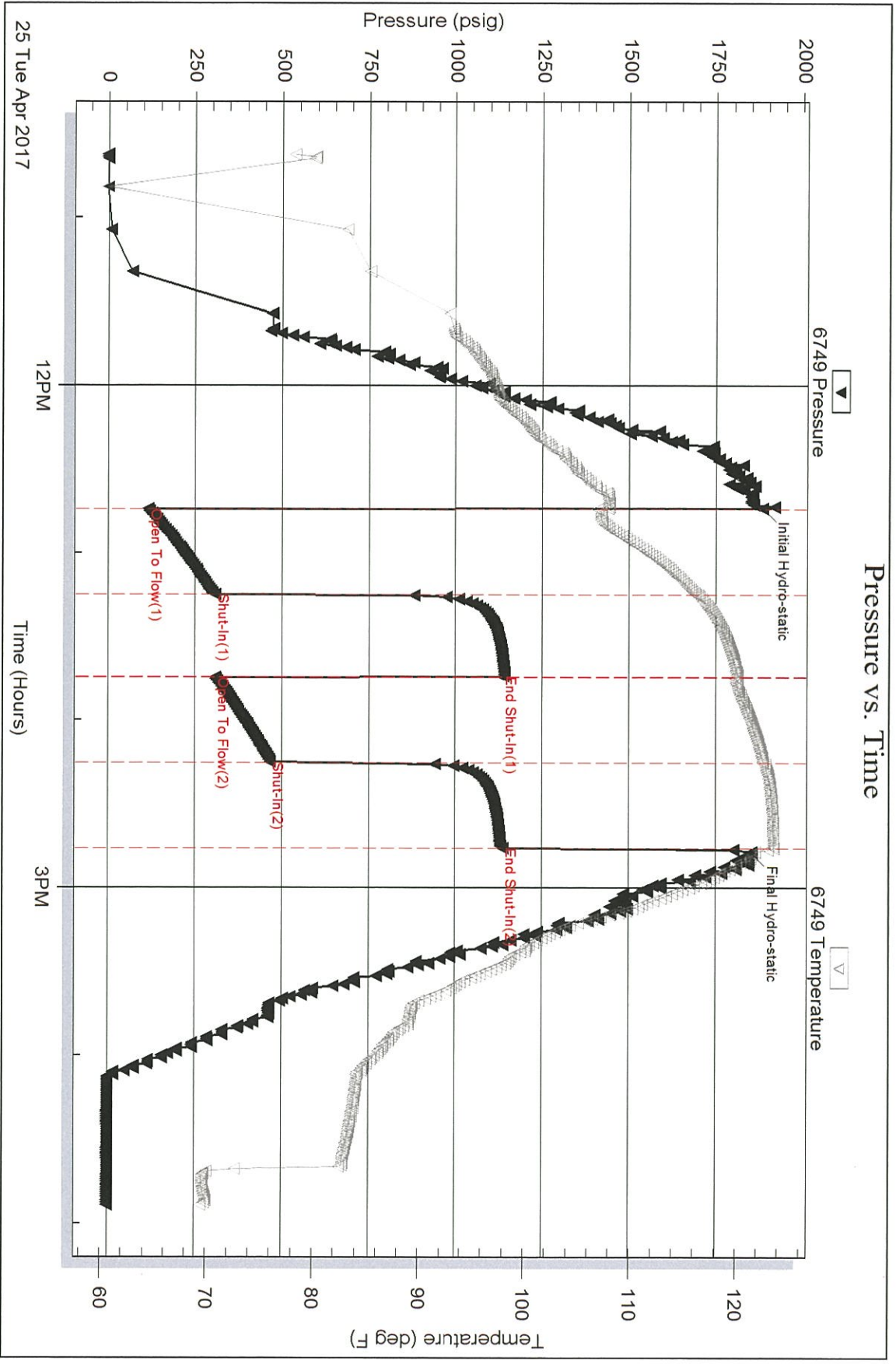
Outside

Palomino Petroleum Inc.

Ebbert #1

DST Test Number: 1

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63721

Printed: 2017.04.25 @ 19:25:52

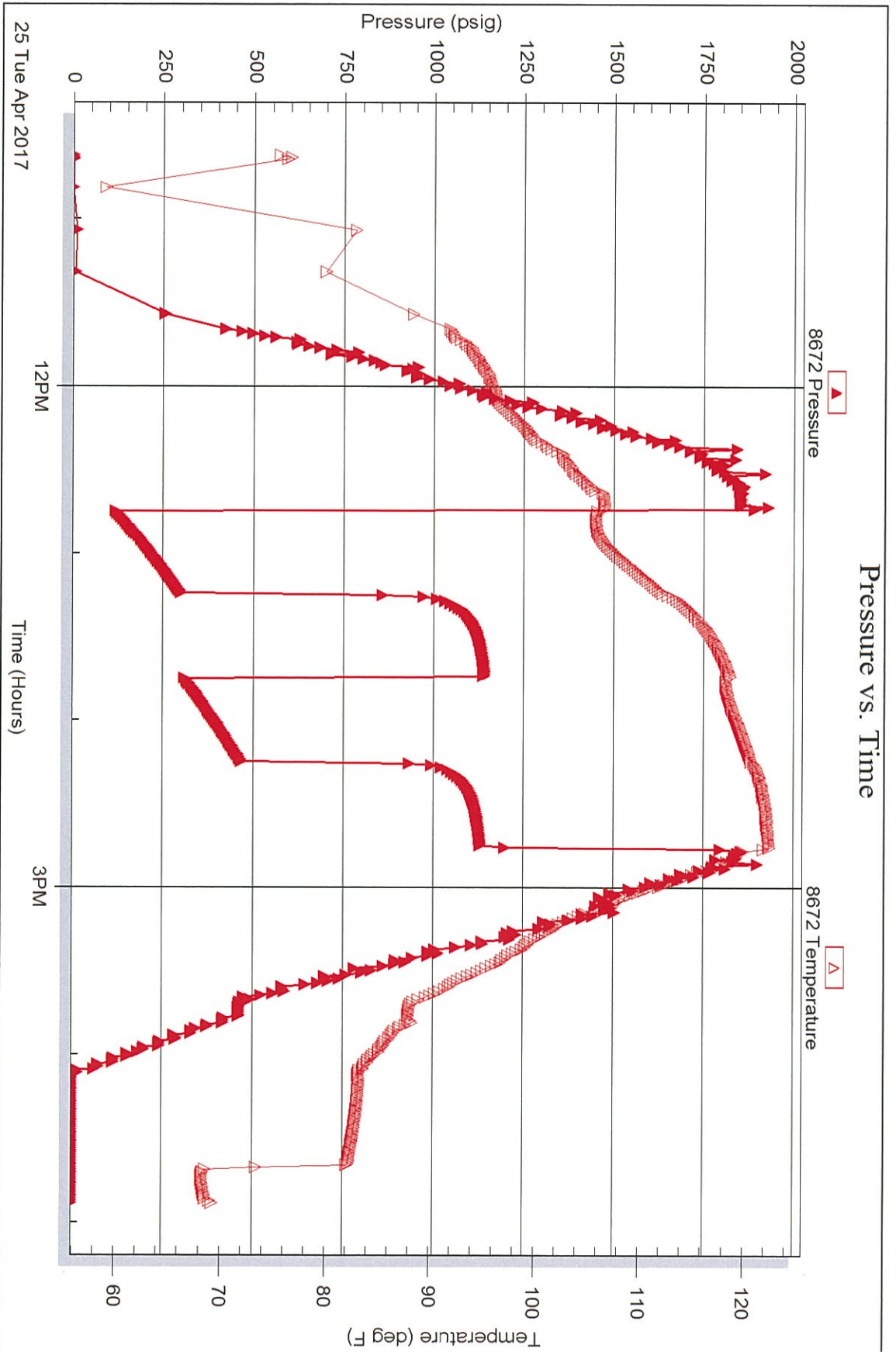
Serial #: 8672

Inside

Palomino Petroleum Inc.

Ebert #1

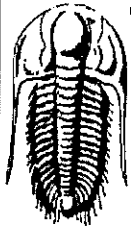
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63721

Printed: 2017.04.25 @ 19:25:52



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

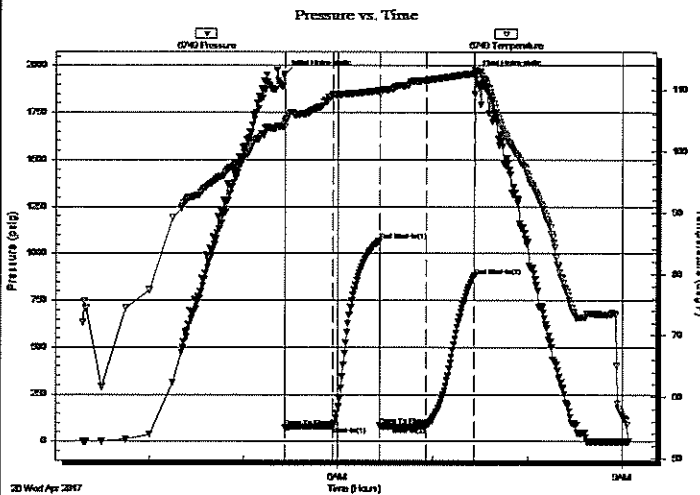
**16-14s26w Gove Co KS**  
**Ebbert #1**  
 Job Ticket: 63722      **DST#: 2**  
 Test Start: 2017.04.26 @ 03:18:15

## GENERAL INFORMATION:

Formation: **J**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**  
 Time Tool Opened: **05:26:30** Tester: **Mike Roberts**  
 Time Test Ended: **09:04:30** Unit No: **81**  
 Interval: **3954.00 ft (KB) To 3974.00 ft (KB) (TVD)** Reference Elevations: **2469.00 ft (KB)**  
 Total Depth: **3974.00 ft (KB) (TVD)** **2464.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

**Serial #: 6749**      **Outside**  
 Press@RunDepth: **80.31 psig @ 3955.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2017.04.26** End Date: **2017.04.26** Last Calib.: **2017.04.26**  
 Start Time: **03:18:15** End Time: **09:04:30** Time On Btm: **2017.04.26 @ 05:26:15**  
 Time Off Btm: **2017.04.26 @ 07:27:00**

TEST COMMENT: IF: Built to 1 1/2" blow  
 IS: No return blow  
 FF: Built to weak surface blow  
 FF: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.42	104.85	Initial Hydro-static
1	73.64	103.98	Open To Flow (1)
31	76.66	109.28	Shut-In(1)
60	1069.61	109.87	End Shut-In(1)
61	82.15	109.36	Open To Flow (2)
90	80.31	111.54	Shut-In(2)
120	880.81	112.67	End Shut-In(2)
121	1958.01	113.17	Final Hydro-static

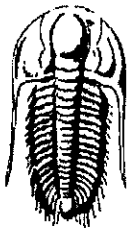
## Recovery

Length (ft)	Description	Volume (bbl)
130.00	mud with oil skim	0.73

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum Inc.

16-14s26w Gove Co KS

4924 SE 84th St  
Newton KS  
67114

**Ebbert #1**

Job Ticket: 63722

DST#: 2

ATTN: Ryan Seib

Test Start: 2017.04.26 @ 03:18:15

### GENERAL INFORMATION:

Formation: J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:26:30

Time Test Ended: 09:04:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 3954.00 ft (KB) To 3974.00 ft (KB) (TVD)

Total Depth: 3974.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2469.00 ft (KB)

2464.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8672**

Inside

Press@RunDepth: psig @ 3955.00 ft (KB)

Start Date: 2017.04.26

End Date:

2017.04.26

Capacity: 8000.00 psig

Last Calib.:

2017.04.26

Start Time: 03:18:15

End Time:

09:04:30

Time On Btm:

Time Off Btm:

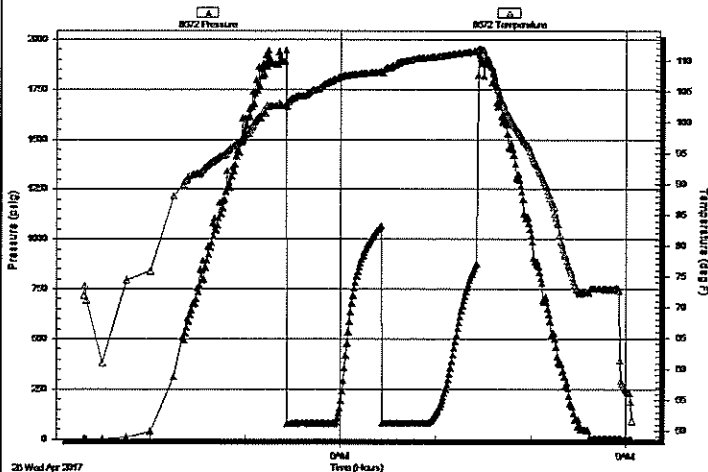
TEST COMMENT: IF: Built to 1 1/2" blow

IS: No return blow

FF: Built to weak surface blow

FF: No return blow

Pressure vs. Time



### PRESSURE SUMMARY

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

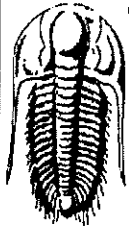
### Recovery

Length (ft)	Description	Volume (bbl)
130.00	mud with oil skim	0.73

\* 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.

**16-14s26w Gove Co KS**

4924 SE 84th St  
New ton KS  
67114

**Ebbert #1**

Job Ticket: 63722

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2017.04.26 @ 03:18:15

### 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: 6.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	mud w ith oil skim	0.730

Total Length: 130.00 ft      Total Volume: 0.730 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



Serial #: 6749

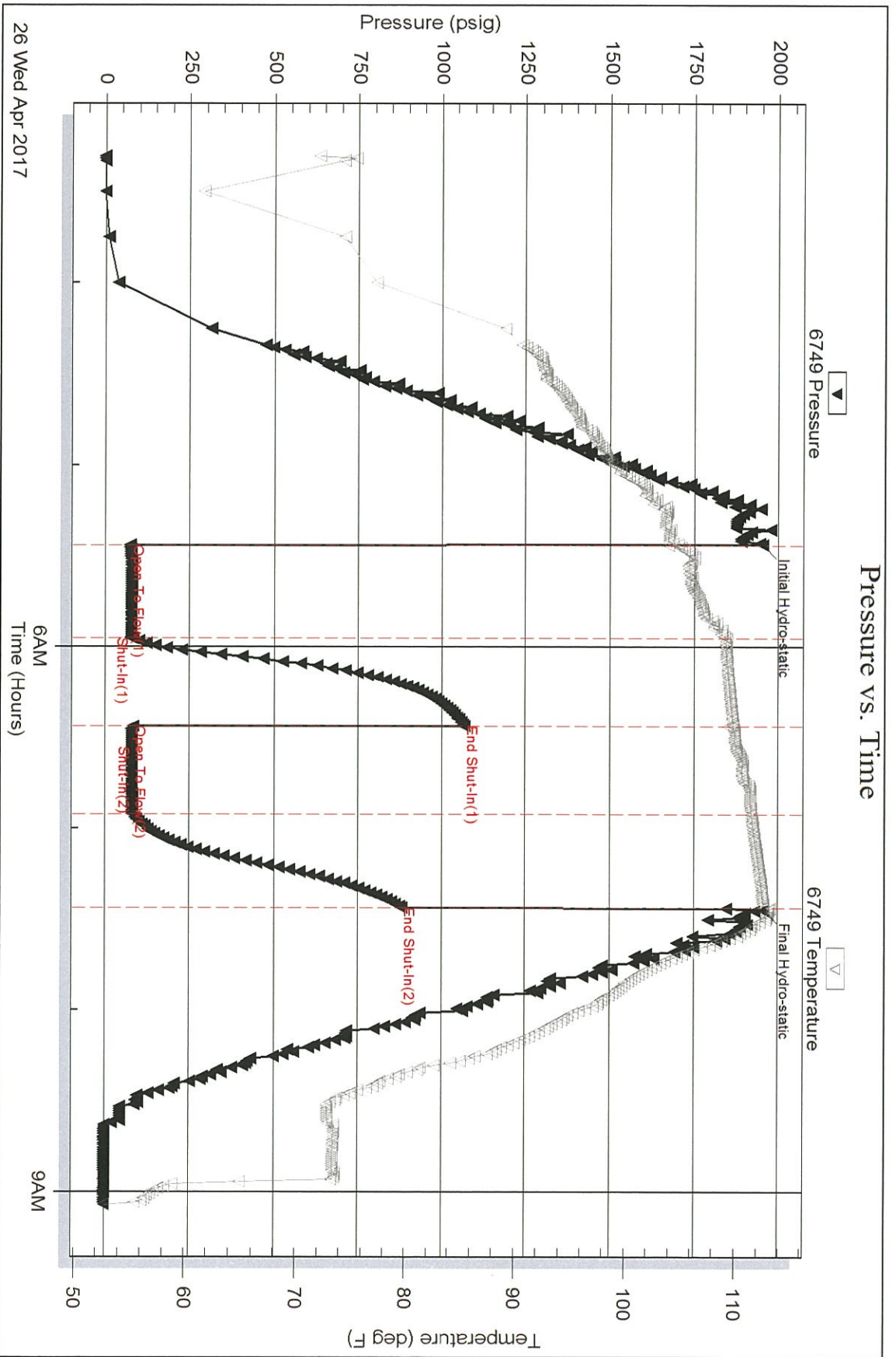
Outside

Palomino Petroleum Inc.

Ebbert #1

DST Test Number: 2

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63722

Printed: 2017.04.26 @ 09:25:42

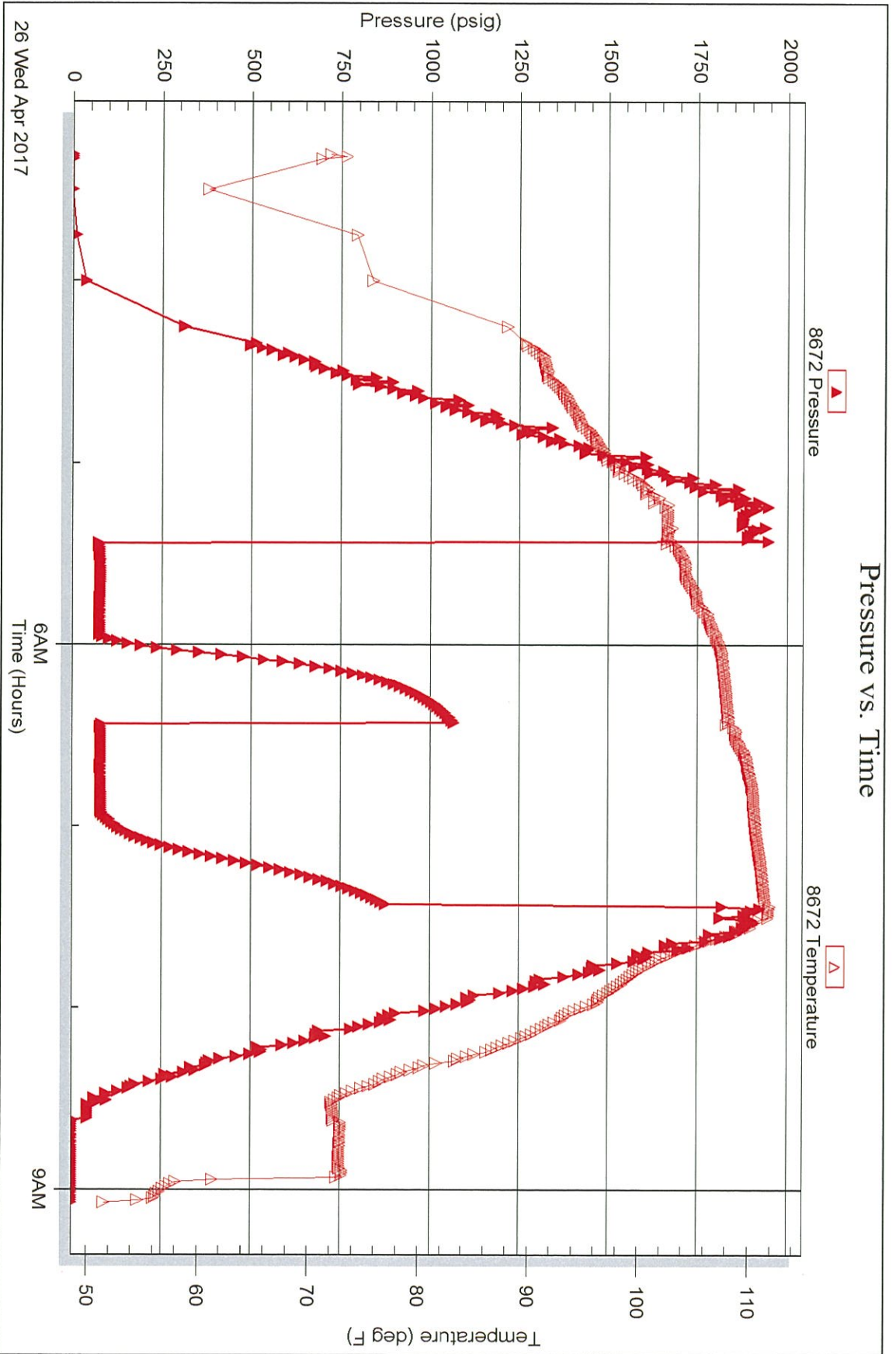
Serial #: 8672

Inside

Palomino Petroleum Inc.

Ebbert #1

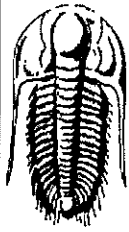
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63722

Printed: 2017.04.26 @ 09:25:42



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**16-14s26w Gove Co KS**

4924 SE 84th St  
New ton KS  
67114

**Ebbert #1**

Job Ticket: 63723

**DST#: 3**

ATTN: Ryan Seib

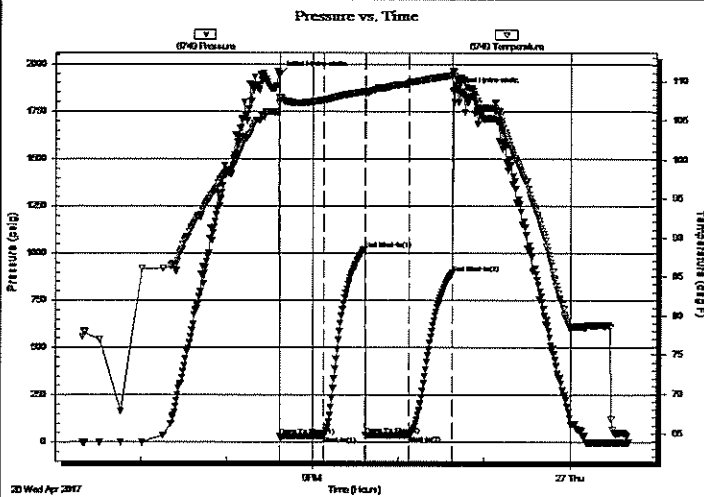
Test Start: 2017.04.26 @ 18:19:15

## GENERAL INFORMATION:

Formation: K  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:37:15  
 Time Test Ended: 00:41:30  
 Interval: 3970.00 ft (KB) To 4000.00 ft (KB) (TVD)  
 Total Depth: 4000.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 81  
 Reference Elevations: 2469.00 ft (KB)  
 2464.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6749 Outside**  
 Press@RunDepth: 38.94 psig @ 3971.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.04.26 End Date: 2017.04.27 Last Calib.: 2017.04.27  
 Start Time: 18:19:15 End Time: 00:41:30 Time On Btm: 2017.04.26 @ 20:37:00  
 Time Off Btm: 2017.04.26 @ 22:37:45

**TEST COMMENT:** IF:Weak surface blow died in a 20 in.  
 IS:No return blow  
 FF:No blow  
 FS:No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.92	107.92	Initial Hydro-static
1	29.37	107.48	Open To Flow (1)
31	34.00	107.59	Shut-In(1)
60	1020.21	108.66	End Shut-In(1)
60	35.26	108.30	Open To Flow (2)
90	38.94	109.79	Shut-In(2)
121	895.86	110.73	End Shut-In(2)
121	1855.28	111.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100%m	0.10

\* Recovery from multiple tests

## Gas Rates

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



Serial #: 6749

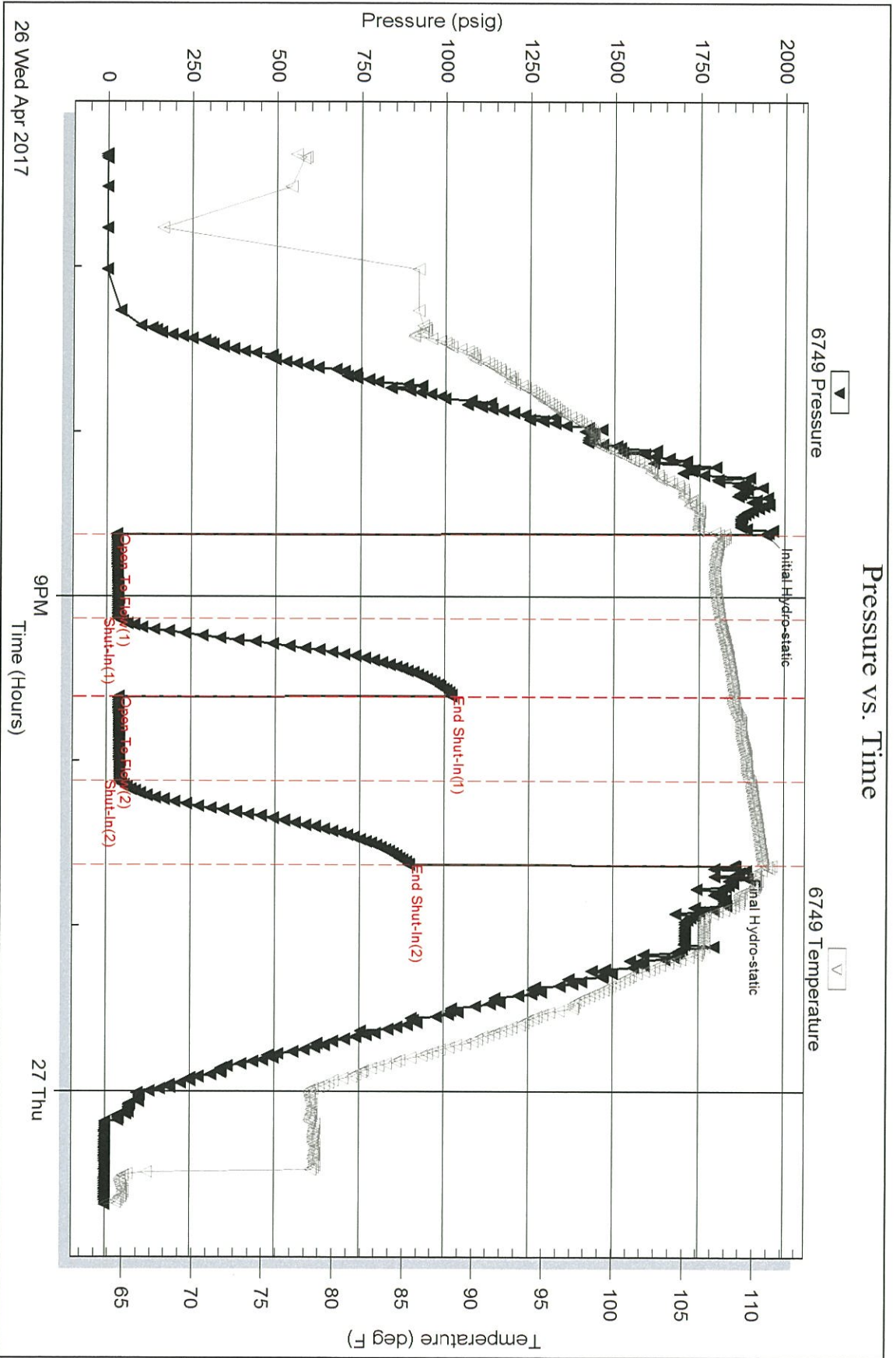
Outside

Palomino Petroleum Inc.

Ebbert #1

DST Test Number: 3

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63723

Printed: 2017.04.27 @ 07:19:59

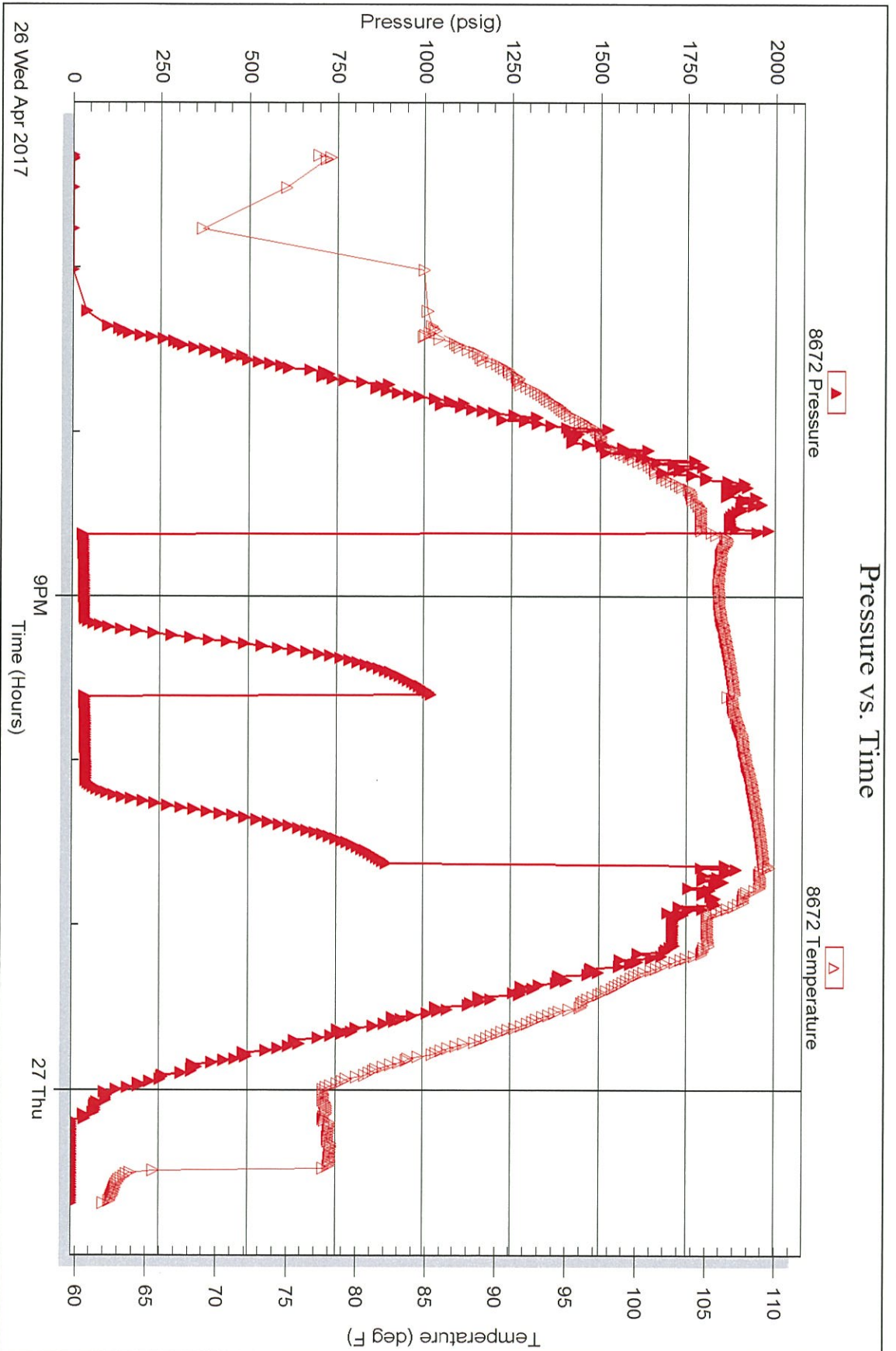
Serial #: 8672

Inside

Palomino Petroleum Inc.

Ebbert #1

DST Test Number: 3



Trioblite Testing, Inc

Ref. No: 63723

Printed: 2017.04.27 @ 07:19:59