

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 Recompletion Date _____ 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
--	---

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	ROHR 1
Doc ID	1349857

All Electric Logs Run

Gamma Ray
Dual Induction
Compensated Neutron
Micro

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	ROHR 1
Doc ID	1349857

Tops

Name	Top	Datum
Anhy.	2032	(+ 579)
Base Anhy.	2065	(+ 546)
Topeka	3603	(- 992)
Heebner	3844	(-1233)
Toronto	3865	(-1254)
Lansing	3884	(-1263)
Stark Sh.	4122	(-1511)
BKC	4184	(-1573)
Marmaton	4232	(-1621)
Pawnee	4315	(-1712)
Ft. Scott	4373	(-1762)
Cherokee Sh.	4396	(-1785)
Miss.	4474	(-1863)
LTD	4626	(-2015)



FEB 09 2017

Date: 2/6/2017
 Invoice # 7332

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

P.O.#:
 Due Date: 3/8/2017
 Division: *Russell*

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 ROHR 1 SEC 4-16-27

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 479.24	Yes				
Common-Class A	162	\$ 1,733.40	Yes				
POZ Mix-Standard	108	\$ 487.30	Yes				
Premium Gel (Bentonite)	10	\$ 186.93	Yes				
Bulk Truck Matl-Material Service Charge	280	\$ 180.48	Yes				
Pump Truck Mileage-Job to Nearest Camp	41	\$ 118.92	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	41	\$ 92.50	Yes				
Flo Seal	67	\$ 86.37	Yes				
Dry Hole Plug	1	\$ 36.10	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$ 3,401.25
	<i>Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:</i>	\$ (85.03)
<hr/>		
	SubTotal for Taxable Items:	\$ 3,316.22
	SubTotal for Non-Taxable Items:	\$ -
<hr/>		
	Total:	\$ 3,316.22
	Tax:	\$ 248.72
	Amount Due:	\$ 3,564.94
	Applied Payments:	
	Balance Due:	\$ 3,564.94

7.50% Lane County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

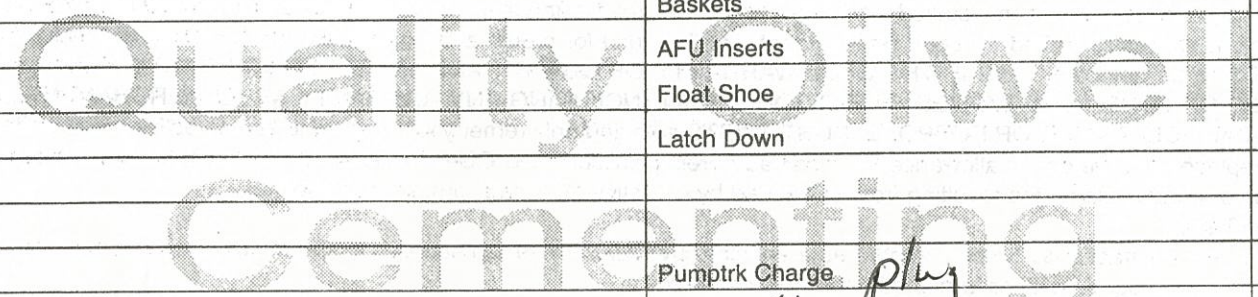
Federal Tax I.D.# 20-2886107

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

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

No. 7332

Date	2-6-17	Sec.	4	Twp.	16	Range	27	County	Lane	State	KS	On Location		Finish	9:30 AM
Lease								Well No.		Owner					
Rahr								1		E 70 Tomahawk 1/2U Winto					
Contractor								To Quality Oilwell Cementing, Inc.							
Wyo #12								You are hereby requested to rent cementing equipment and furnish							
Type Job								cementer and helper to assist owner or contractor to do work as listed.							
Rotary Plug								Charge To							
Hole Size								Palomino Petroleum							
7 7/8								T.D. 4636							
Csg.								Depth							
Tbg. Size								Street							
Tool								City							
Cement Left in Csg.								Depth							
Shoe Joint								State							
Meas Line								Displace							
Displace								The above was done to satisfaction and supervision of owner agent or contractor.							
EQUIPMENT								Cement Amount Ordered							
Common								270 60/40 4 1/2 LBL 1/4 #FL							
Pumptrk								No. Cementer							
20								162							
Bulktrk								No. Poz. Mix							
21								108							
JOB SERVICES & REMARKS								Gel.							
Remarks:								10							
Rat Hole								Calcium							
30SK								Hulls							
Mouse Hole								Salt							
Centralizers								Flowseal							
Baskets								7 67#							
D/V or Port Collar								Kol-Seal							
1st 2100 50SK								Mud CLR 48							
2nd 1380 80SK								CFL-117 or CD110 CAF 38							
3rd 690 50SK								Sand							
4th 240 40SK								Handling							
5th 60 20SK								280							
Mileage								FLOAT EQUIPMENT							
Guide Shoe								8 5/8 Dry Hole Plug							
Centralizer								Baskets							
AFU Inserts								AFU Inserts							
Float Shoe								Float Shoe							
Latch Down								Latch Down							
Pumptrk Charge								plug							
Mileage								41							
Signature								Tax							
Total Charge								Discount							



X Signature *[Handwritten Signature]*

Tax
Discount
Total Charge



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

RECEIVED
 FEB 02 2017

Date: 1/27/2017
 Invoice # 7325
 P.O.#:
 Due Date: 2/26/2017
 Division: Russell

Invoice

Contact:
 Palomino Petroleum Inc
 Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 ROHR 1 SEC 4-16-27

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 479.24	No				
Common-Class A	120	\$ 1,284.00	Yes				
Calcium Chloride	6	\$ 216.58	Yes				
POZ Mix-Standard	30	\$ 135.36	Yes				
Pump Truck Mileage-Job to Nearest Camp	41	\$ 118.92	No				
Bulk Truck Matl-Material Service Charge	159	\$ 102.49	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	41	\$ 92.50	No				
Premium Gel (Bentonite)	3	\$ 56.08	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 2,485.17
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (62.13)

SubTotal for Taxable Items:	\$ 1,649.72
SubTotal for Non-Taxable Items:	\$ 773.32
Total:	\$ 2,423.04
Tax:	\$ 123.73

7.50% Lane County Sales Tax

Thank You For Your Business!

Amount Due: \$ 2,546.77
Applied Payments:
Balance Due: \$ 2,546.77

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

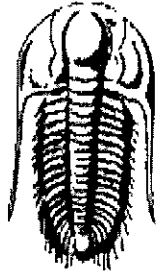
Federal Tax I.D.# 20-2886107

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

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

No. 7325

Date	1-27-17	Sec.	4	Twp.	14	Range	27	County	Lane	State	KS	On Location		Finish	7:45pm
Lease								Well No.		Location					
Rohr								1		Pendern's E Railroad Rd 2 1/2 N C 285					
Contractor								Owner							
WV #12								E to Tomchawic 1/2 N Winto							
Type Job								To Quality Oilwell Cementing, Inc.							
Surface								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size				T.D.				Charge To							
12 1/4				211				Palomino Pet.							
Csg.				Depth				Street							
8 5/8				211											
Tbg. Size				Depth				City							
								State							
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered							
15'								150 @ 1/20 3 1/2 LL 2/602							
Meas Line				Displace											
				12 1/2 B L											
EQUIPMENT								Common							
Pumptrk								120							
5 No. Cementer								30							
Helper								3							
Bulktrk								3							
15 No. Driver								6							
Driver															
Driver															
Driver															
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Cpillar								Sand							
8 5/8 on bottom Est. Circulation								Handling 159							
Mix 150 SK + Displace								Mileage							
Cement Circulated								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Surface							
								Mileage							
								41							
Signature								Tax							
Cale Forte								Discount							
								Total Charge							



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Rohr #1

4-16s-27w Lane,KS

Start Date: 2017.02.01 @ 16:15:15

End Date: 2017.02.01 @ 23:01:00

Job Ticket #: 65698 DST #: 1

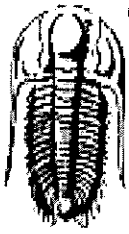
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.02.06 @ 09:24:10

Palomino Petroleum Inc. 4-16s-27w Lane,KS Rohr #1 DST # 1 LKC H-1 2017.02.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65698

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2017.02.01 @ 16:15:15

GENERAL INFORMATION:

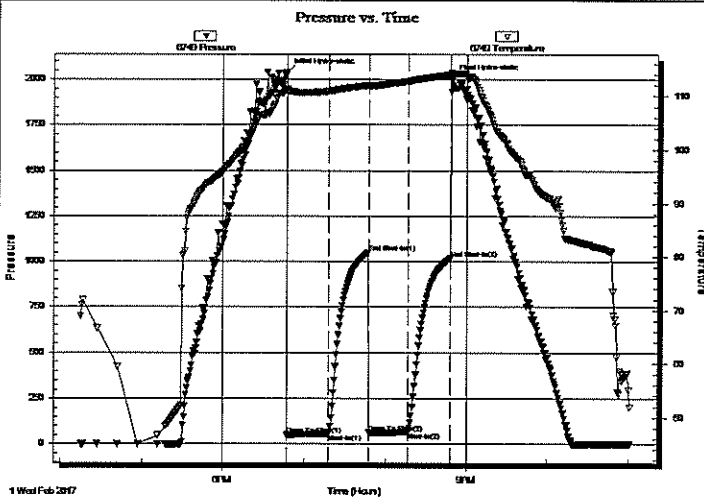
Formation: LKC H-I
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:47:00
 Time Test Ended: 23:01:00
 Interval: 4029.00 ft (KB) To 4096.00 ft (KB) (TVD)
 Total Depth: 4096.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 2611.00 ft (KB)
 2605.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 6749

Outside

Press@RunDepth: 64.23 psig @ 4067.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.02.01 End Date: 2017.02.01 Last Calib.: 2017.02.01
 Start Time: 16:15:15 End Time: 23:01:00 Time On Btm: 2017.02.01 @ 18:46:45
 Time Off Btm: 2017.02.01 @ 20:49:30

TEST COMMENT: IF: Built to 3/4" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

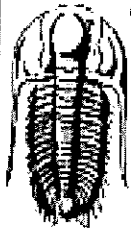
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.82	111.26	Initial Hydro-static
1	50.23	110.73	Open To Flow (1)
31	56.98	110.91	Shut-In(1)
61	1050.15	112.06	End Shut-In(1)
61	61.91	111.71	Open To Flow (2)
90	64.23	112.80	Shut-In(2)
122	1019.19	114.00	End Shut-In(2)
123	2006.89	114.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65698

DST#: 1

ATTN: Andrew Stenzel

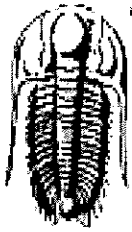
Test Start: 2017.02.01 @ 16:15:15

Tool Information

Drill Pipe:	Length: 3891.00 ft	Diameter: 3.80 inches	Volume: 54.58 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 55.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4029.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	95.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4002.00	
Shut In Tool	5.00			4007.00	
Hydraulic tool	5.00			4012.00	
Jars	5.00			4017.00	
Safety Joint	3.00			4020.00	
Packer	5.00			4025.00	28.00 Bottom Of Top Packer
Packer	4.00			4029.00	
Stubb	1.00			4030.00	
Perforations	4.00			4034.00	
Change Over Sub	1.00			4035.00	
Drill Pipe	31.00			4066.00	
Change Over Sub	1.00			4067.00	
Recorder	0.00	8672	Inside	4067.00	
Recorder	0.00	6749	Outside	4067.00	
Perforations	24.00			4091.00	
Bullnose	5.00			4096.00	67.00 Bottom Packers & Anchor
Total Tool Length:	95.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65698

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2017.02.01 @ 16:15:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.53 in³

Resistivity: 0.00 ohm.m

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 0 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%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:

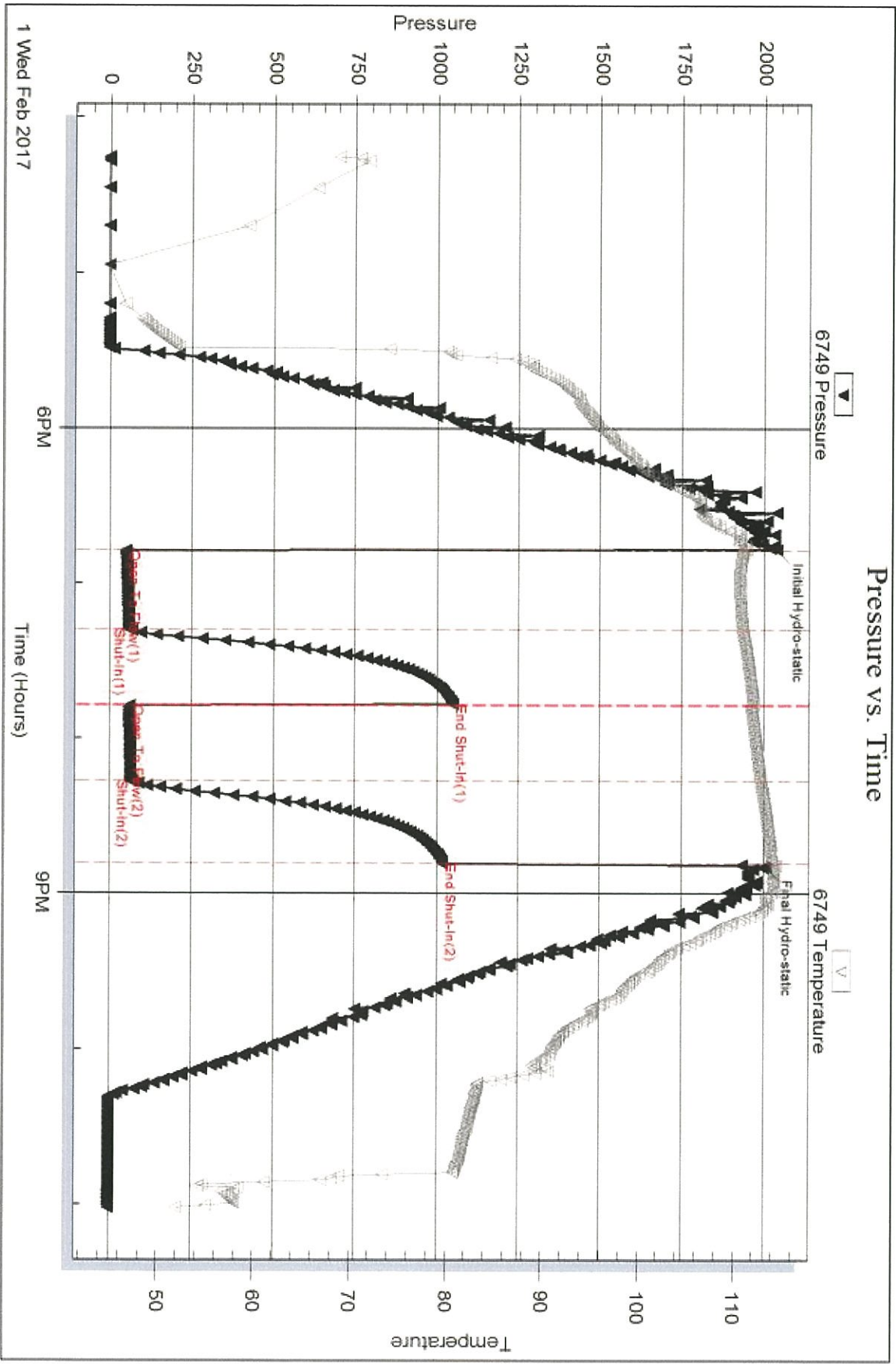
Serial #: 6749

Outside

Palomino Petroleum Inc.

Rohr #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 65698

Printed: 2017.02.06 @ 09:24:11

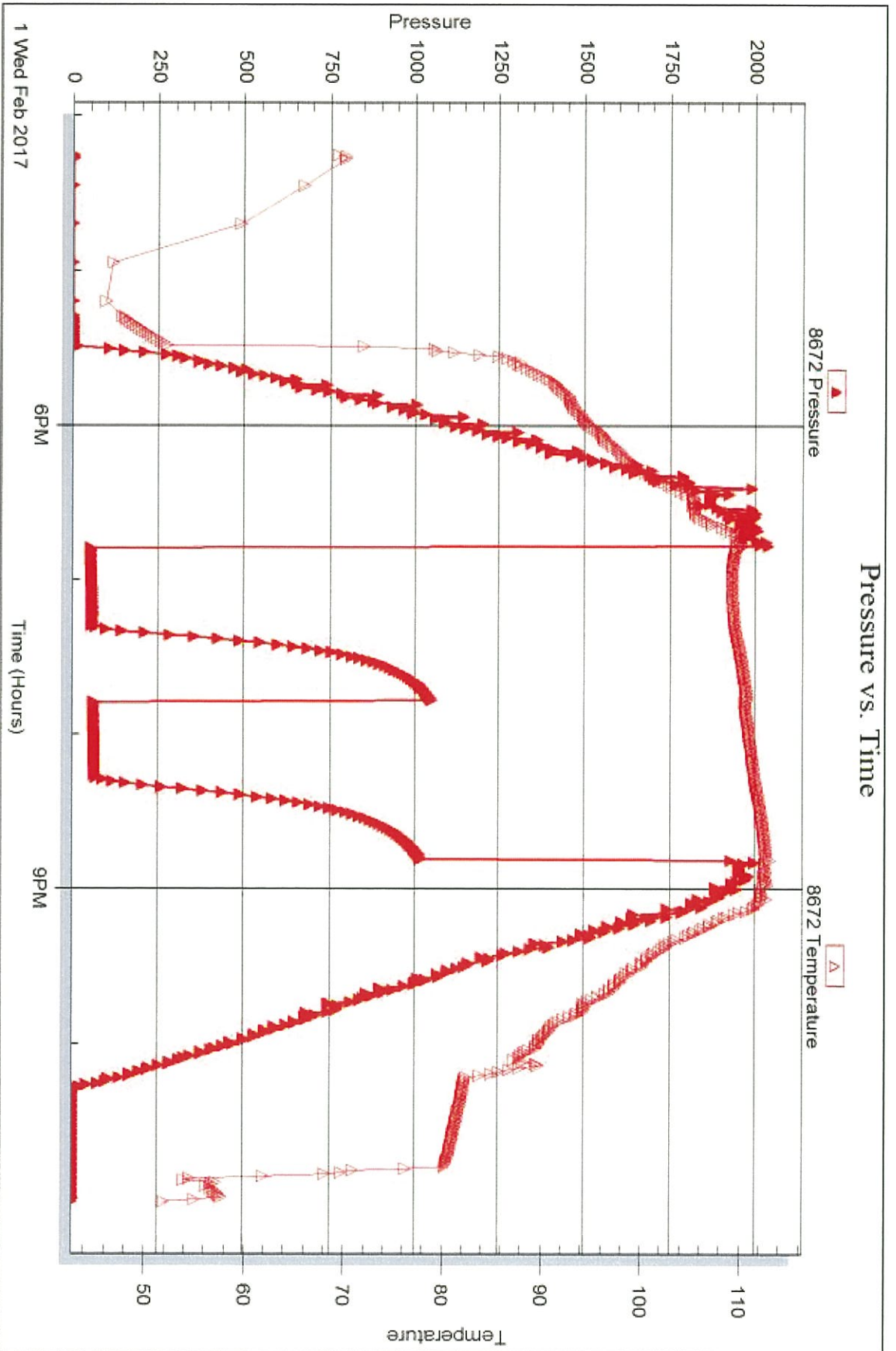
Serial #: 8672

Inside

Palomino Petroleum Inc.

Rohr #1

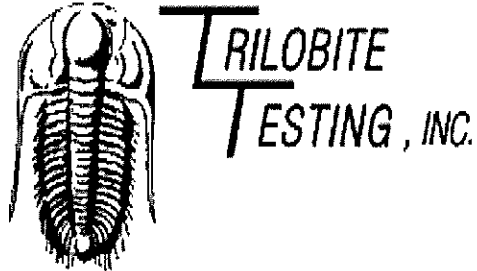
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 65698

Printed: 2017 02 06 @ 09:24:11



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Rohr #1

4-16s-27w Lane,KS

Start Date: 2017.02.02 @ 10:13:15

End Date: 2017.02.02 @ 16:36:15

Job Ticket #: 65699 DST #: 2

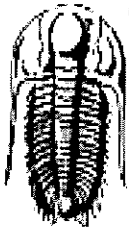
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.02.06 @ 09:23:36

Palomino Petroleum Inc. 4-16s-27w Lane,KS ROHR #1 DS1 # 2 LKC J-K 2017.02.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65699

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2017.02.02 @ 10:13:15

GENERAL INFORMATION:

Formation: LKC J-K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:31:00

Time Test Ended: 16:36:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4097.00 ft (KB) To 4167.00 ft (KB) (TVD)

Total Depth: 4167.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2611.00 ft (KB)

2605.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6749 Outside

Press@RunDepth: 56.39 psig @ 4138.00 ft (KB)

Start Date: 2017.02.02

End Date:

2017.02.02

Start Time: 10:13:15

End Time:

16:36:15

Capacity: 8000.00 psig

Last Calib.: 2017.02.02

Time On Btm: 2017.02.02 @ 12:30:45

Time Off Btm: 2017.02.02 @ 14:31:30

TEST COMMENT: IF: Built to 3/4" died to 1/2" blow
IS: No return blow
FF: No blow
FS: No return blow

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.75	108.08	Initial Hydro-static
1	37.20	107.46	Open To Flow (1)
31	48.86	109.34	Shut-In(1)
61	504.91	110.69	End Shut-In(1)
61	51.74	110.54	Open To Flow (2)
90	56.39	111.99	Shut-In(2)
120	484.95	113.21	End Shut-In(2)
121	2051.35	113.45	Final Hydro-static

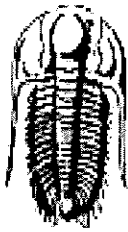
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud with oil spots	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65699

DST#: 2

ATTN: Andrew Stenzel

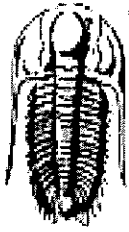
Test Start: 2017.02.02 @ 10:13:15

Tool Information

Drill Pipe:	Length: 3963.00 ft	Diameter: 3.80 inches	Volume: 55.59 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4097.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4070.00	
Shut In Tool	5.00			4075.00	
Hydraulic tool	5.00			4080.00	
Jars	5.00			4085.00	
Safety Joint	3.00			4088.00	
Packer	5.00			4093.00	28.00 Bottom Of Top Packer
Packer	4.00			4097.00	
Stubb	1.00			4098.00	
Perforations	7.00			4105.00	
Change Over Sub	1.00			4106.00	
Drill Pipe	31.00			4137.00	
Change Over Sub	1.00			4138.00	
Recorder	0.00	8672	Inside	4138.00	
Recorder	0.00	6749	Outside	4138.00	
Perforations	24.00			4162.00	
Bullnose	5.00			4167.00	70.00 Bottom Packers & Anchor
Total Tool Length:	98.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65699

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2017.02.02 @ 10:13:15

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.54 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil spots	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:

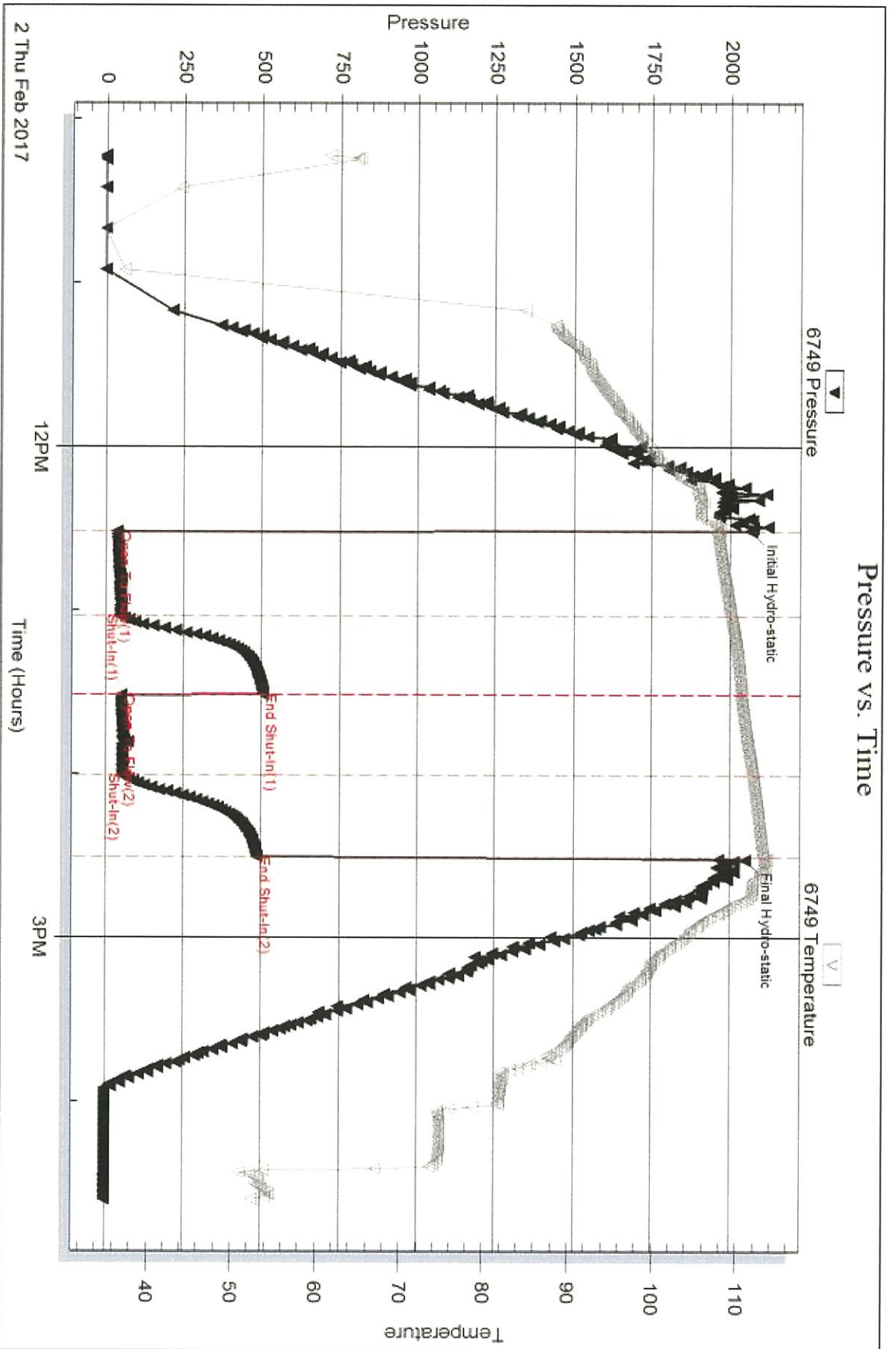
Serial #: 6749

Outside

Palomino Petroleum Inc.

Rohr #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 65699

Printed: 2017 02 06 @ 09:23:39

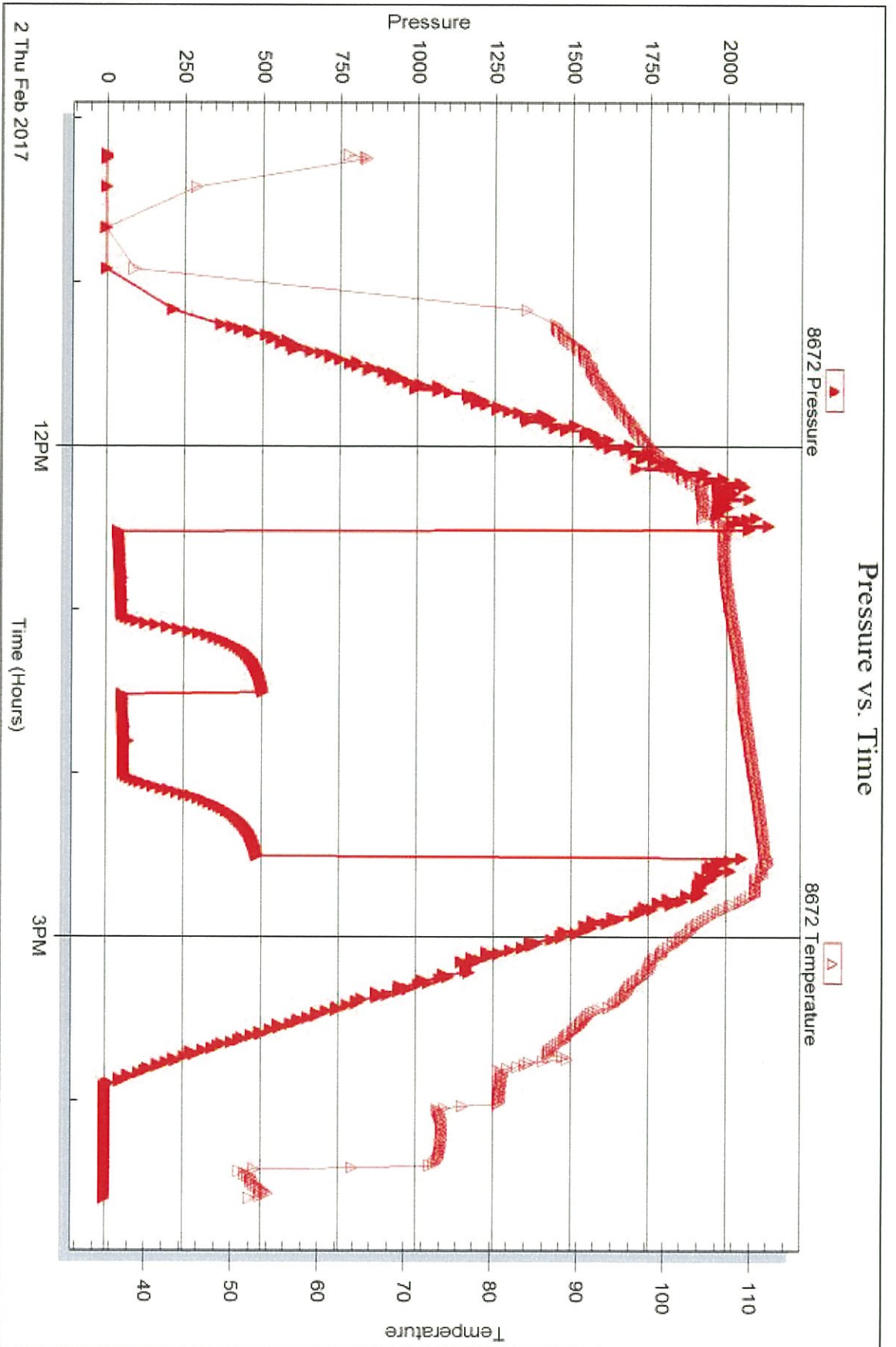
Serial #: 8672

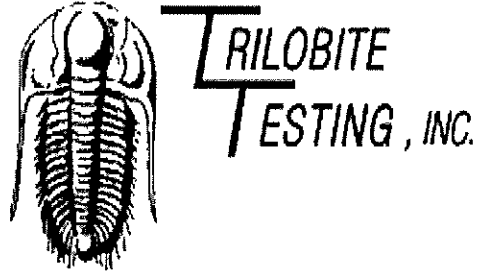
Inside

Palomino Petroleum Inc.

Rohr #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Rohr #1

4-16s-27w Lane,KS

Start Date: 2017.02.03 @ 11:50:15

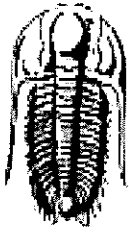
End Date: 2017.02.03 @ 18:00:15

Job Ticket #: 65700 DST #: 3

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

Printed: 2017.02.06 @ 09:23:10

Palomino Petroleum Inc. 4-16s-27w Lane,KS Rohr #1 DST # 3 Marmaton 2017.02.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65700

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2017.02.03 @ 11:50:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:41:15

Time Test Ended: 18:00:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4165.00 ft (KB) To 4323.00 ft (KB) (TVD)

Total Depth: 4323.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2611.00 ft (KB)

2605.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6749 Outside

Press@RunDepth: 115.23 psig @ 4298.00 ft (KB)

Start Date: 2017.02.03

End Date:

2017.02.03

Start Time: 11:50:15

End Time:

18:00:15

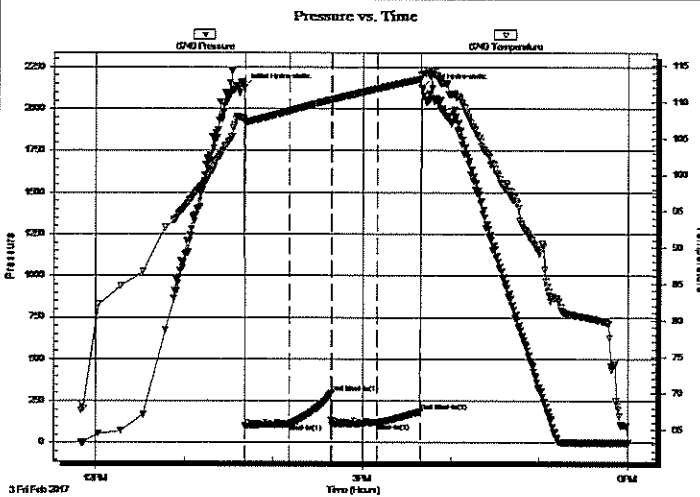
Capacity: 8000.00 psig

Last Calib.: 2017.02.03

Time On Btm: 2017.02.03 @ 13:40:45

Time Off Btm: 2017.02.03 @ 15:39:45

TEST COMMENT: IF:Built to 1" blow
IS:No return blow
FF:Built to 1/8" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2126.68	107.63	Initial Hydro-static
1	96.86	107.10	Open To Flow (1)
31	109.09	108.73	Shut-In(1)
59	296.01	110.30	End Shut-In(1)
60	106.02	110.28	Open To Flow (2)
90	115.23	111.78	Shut-In(2)
119	184.64	113.11	End Shut-In(2)
119	2127.02	113.73	Final Hydro-static

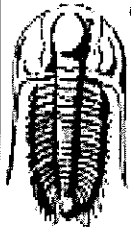
Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud with oil spots in the tool	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65700

DST#: 3

ATTN: Andrew Stenzel

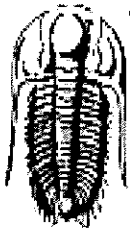
Test Start: 2017.02.03 @ 11:50:15

Tool Information

Drill Pipe:	Length: 4048.00 ft	Diameter: 3.80 inches	Volume: 56.78 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4165.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	158.00 ft			
Tool Length:	186.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4138.00	
Shut In Tool	5.00			4143.00	
Hydraulic tool	5.00			4148.00	
Jars	5.00			4153.00	
Safety Joint	3.00			4156.00	
Packer	5.00			4161.00	28.00 Bottom Of Top Packer
Packer	4.00			4165.00	
Stubb	1.00			4166.00	
Perforations	5.00			4171.00	
Change Over Sub	1.00			4172.00	
Drill Pipe	125.00			4297.00	
Change Over Sub	1.00			4298.00	
Recorder	0.00	8672	Inside	4298.00	
Recorder	0.00	6749	Outside	4298.00	
Perforations	20.00			4318.00	
Bullnose	5.00			4323.00	158.00 Bottom Packers & Anchor
Total Tool Length:	186.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 65700

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2017.02.03 @ 11:50:15

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mud w ith oil spots in the tool	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:

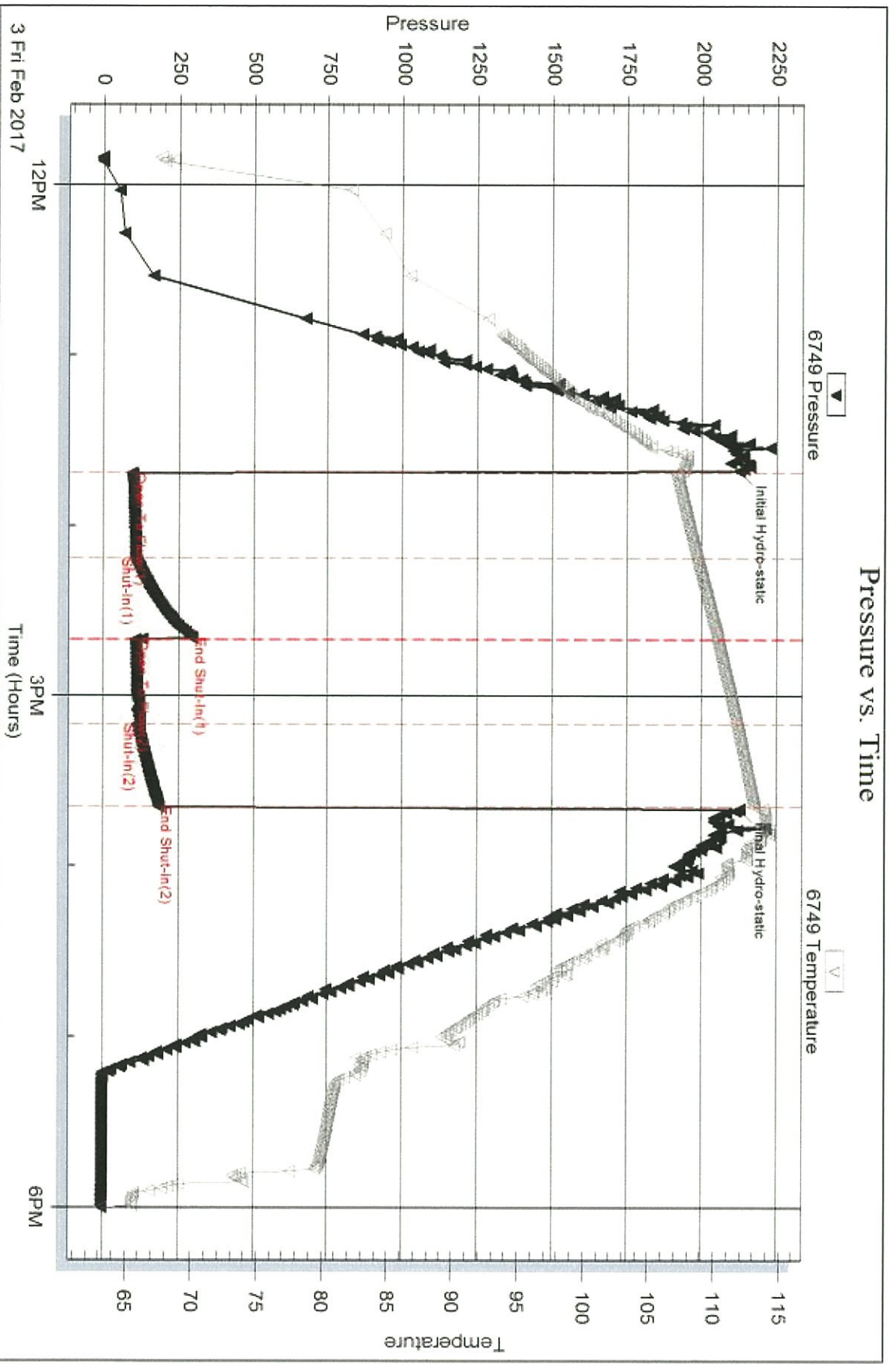
Serial #: 6749

Outside

Palomino Petroleum Inc.

Rohr #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 65700

Printed: 2017.02.06 @ 09:23:11

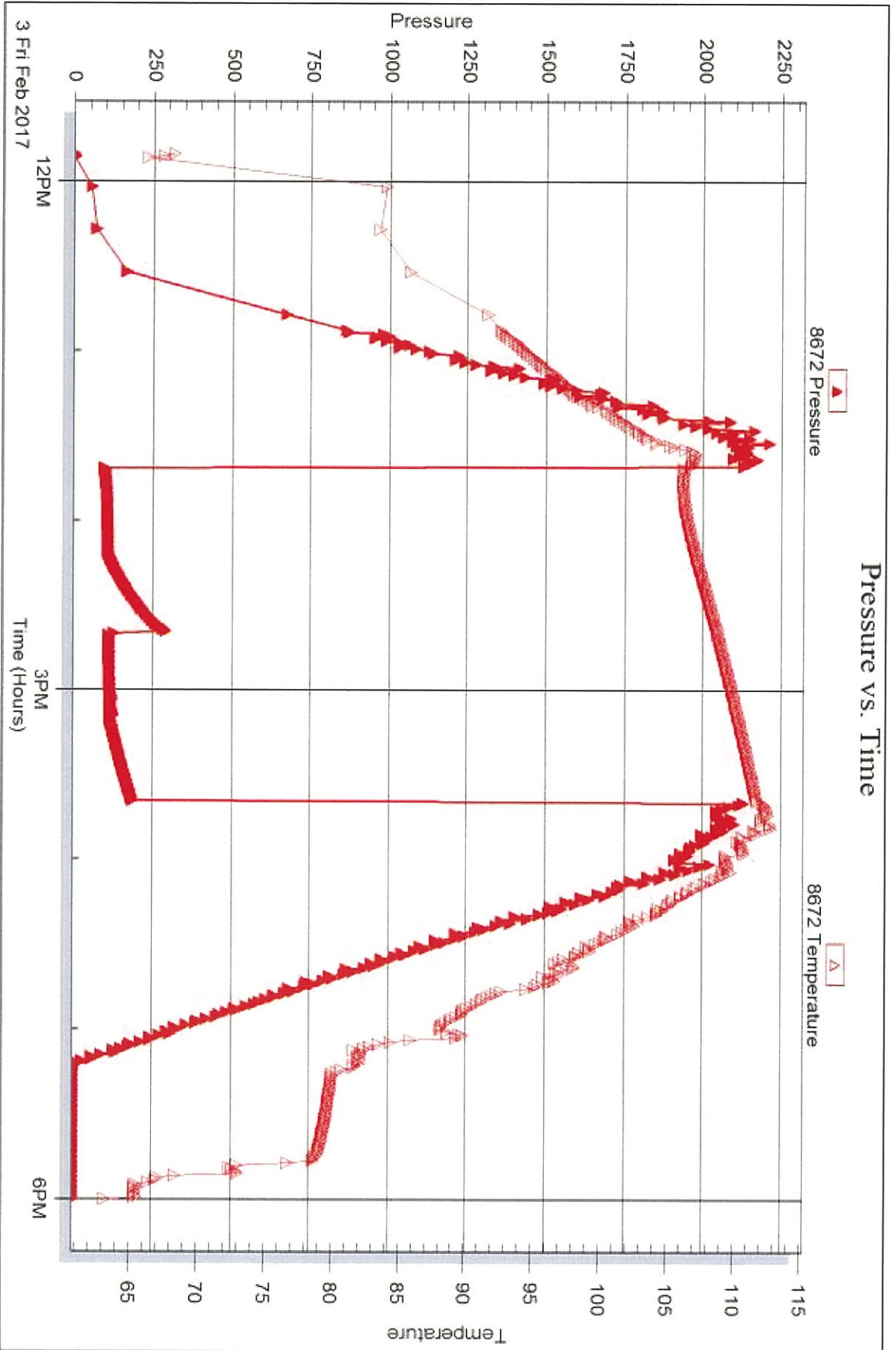
Serial #: 8672

Inside

Palomino Petroleum Inc.

Rohr #1

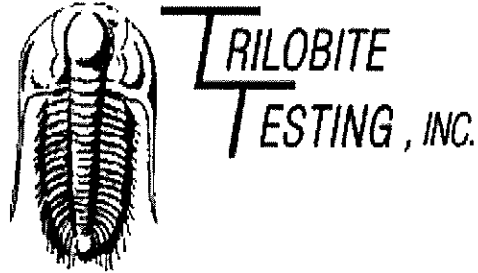
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 65700

Printed 2017 02 06 @ 09:23:11



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Rohr #1

4-16s-27w Lane,KS

Start Date: 2017.02.04 @ 08:48:15

End Date: 2017.02.04 @ 14:04:00

Job Ticket #: 61326 DST #: 4

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

Printed: 2017.02.06 @ 09:16:34

Palomino Petroleum Inc. 4-16s-27w Lane,KS Rohr #1 USI # 4 F.L. Scott 2017.02.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 61326

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2017.02.04 @ 08:48:15

GENERAL INFORMATION:

Formation: Ft. Scott

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:47:15

Time Test Ended: 14:04:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4315.00 ft (KB) To 4418.00 ft (KB) (TVD)

Reference Elevations: 2611.00 ft (KB)

Total Depth: 4418.00 ft (KB) (TVD)

2605.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8672

Inside

Press@RunDepth: 62.77 psig @ 4386.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.02.04

End Date:

2017.02.04

Last Calib.: 2017.02.04

Start Time: 08:48:15

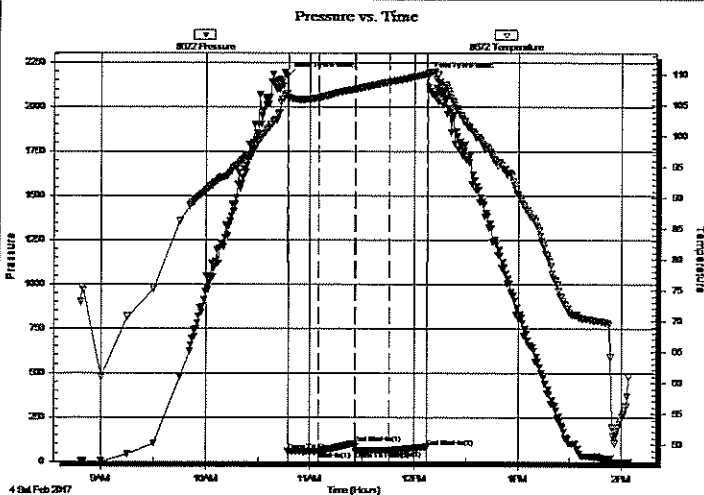
End Time:

14:04:00

Time On Btm: 2017.02.04 @ 10:47:00

Time Off Btm: 2017.02.04 @ 12:07:45

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.89	106.88	Initial Hydro-static
1	56.43	106.10	Open To Flow (1)
18	57.97	106.18	Shut-In(1)
39	103.78	107.60	End Shut-In(1)
39	59.75	107.62	Open To Flow (2)
59	62.77	108.78	Shut-In(2)
80	82.35	110.07	End Shut-In(2)
81	2171.23	110.14	Final Hydro-static

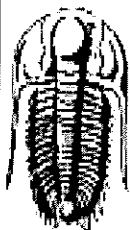
Recovery

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

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 61326

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2017.02.04 @ 08:48:15

Tool Information

Drill Pipe:	Length: 4173.00 ft	Diameter: 3.80 inches	Volume: 58.54 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4315.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	103.00 ft			
Tool Length:	131.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4288.00	
Shut In Tool	5.00			4293.00	
Hydraulic tool	5.00			4298.00	
Jars	5.00			4303.00	
Safety Joint	3.00			4306.00	
Packer	5.00			4311.00	28.00 Bottom Of Top Packer
Packer	4.00			4315.00	
Stubb	1.00			4316.00	
Perforations	5.00			4321.00	
Change Over Sub	1.00			4322.00	
Drill Pipe	63.00			4385.00	
Change Over Sub	1.00			4386.00	
Recorder	0.00	8672	Inside	4386.00	
Recorder	0.00	6749	Outside	4386.00	
Perforations	27.00			4413.00	
Bullnose	5.00			4418.00	103.00 Bottom Packers & Anchor
Total Tool Length:	131.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane,KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 61326

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2017.02.04 @ 08:48:15

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: 67.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w with oil spots 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:

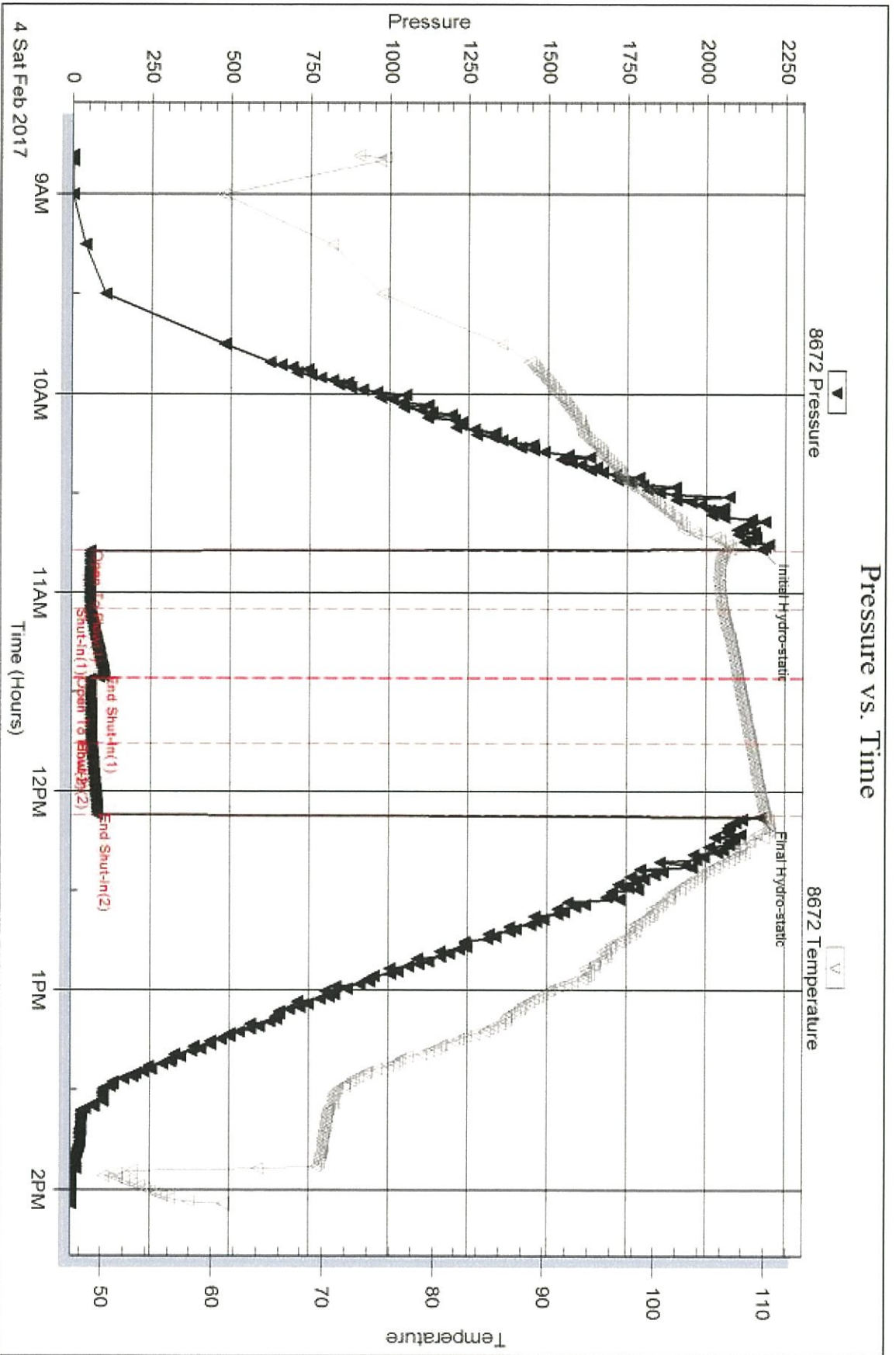
Serial #: 8672

Inside

Palomino Petroleum Inc.

Roitr #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 61326

Printed: 2017 02 06 @ 09:16:34

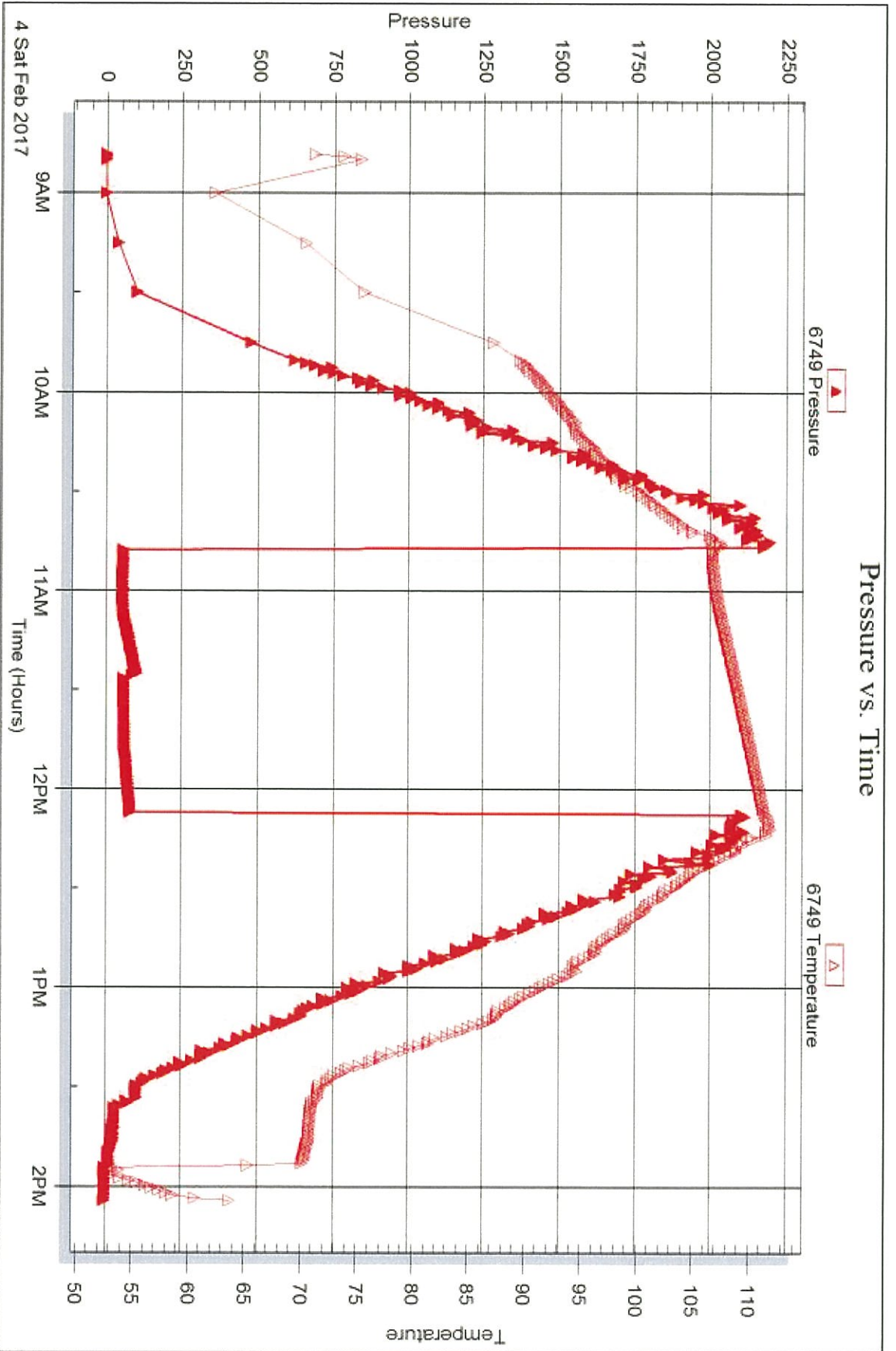
Serial #: 6749

Outside

Palomino Petroleum Inc.

Rohr #1

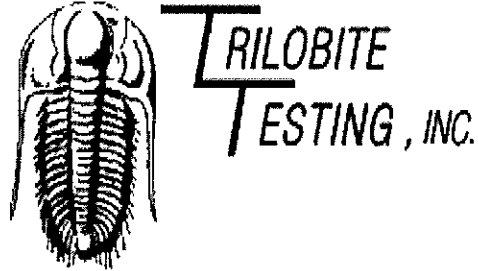
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 61326

Printed 2017 02 06 @ 09:16:34



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Rohr #1

4-16s-27w Lane,KS

Start Date: 2017.02.05 @ 17:52:15

End Date: 2017.02.06 @ 00:45:15

Job Ticket #: 61327 DST #: 5

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

Printed: 2017.02.06 @ 09:14:49

Palomino Petroleum Inc. 4-16s-27w Lane,KS Rohr #1 DST # 5 Cherokee 2017.02.05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 61327

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.02.05 @ 17:52:15

GENERAL INFORMATION:

Formation: Cherokee

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:07:00

Time Test Ended: 00:45:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4394.00 ft (KB) To 4490.00 ft (KB) (TVD)

Total Depth: 4490.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2611.00 ft (KB)

2605.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6749 Outside

Press@RunDepth: 65.51 psig @ 4461.00 ft (KB)

Start Date: 2017.02.05

End Date:

2017.02.06

Start Time: 17:52:15

End Time:

00:45:15

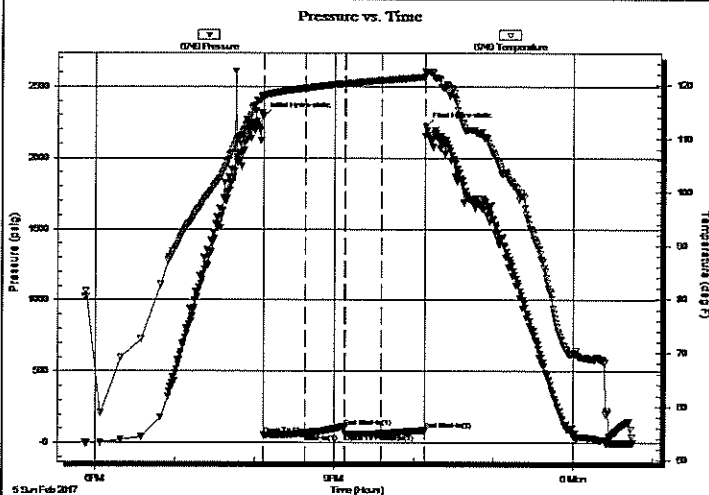
Capacity: 8000.00 psig

Last Calib.: 2017.02.06

Time On Btm: 2017.02.05 @ 20:06:45

Time Off Btm: 2017.02.05 @ 22:08:45

TEST COMMENT: IF: Built to 1/4" blow
IS: No return blow
FF: No blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2286.82	118.12	Initial Hydro-static
1	56.52	117.56	Open To Flow (1)
32	60.76	119.39	Shut-In(1)
61	108.93	120.23	End Shut-In(1)
62	63.49	120.23	Open To Flow (2)
89	65.51	120.87	Shut-In(2)
121	87.30	121.55	End Shut-In(2)
122	2220.74	122.55	Final Hydro-static

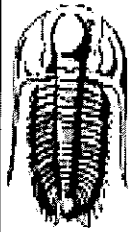
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots in tool	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 61327

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.02.05 @ 17:52:15

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:07:00

Time Test Ended: 00:45:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4394.00 ft (KB) To 4490.00 ft (KB) (TVD)

Total Depth: 4490.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2611.00 ft (KB)

2605.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8672 Inside

Press@RunDepth: psig @ 4461.00 ft (KB)

Start Date: 2017.02.05

End Date:

2017.02.06

Capacity: 8000.00 psig

Last Calib.: 2017.02.06

Start Time: 17:52:15

End Time:

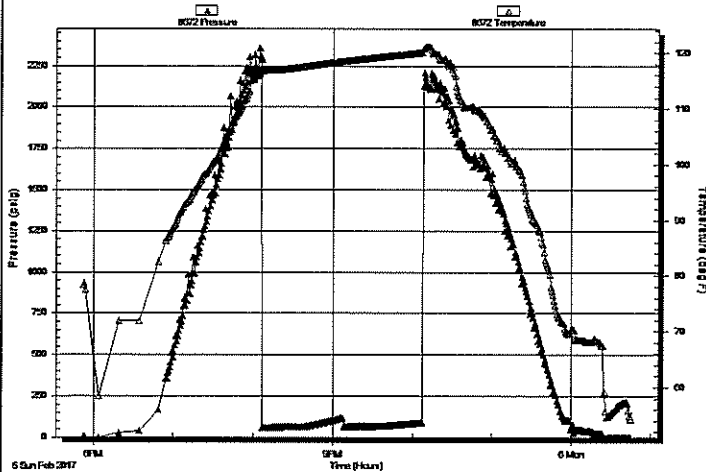
00:45:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Built to 1/4" blow
IS: No return blow
FF: No blow
FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

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

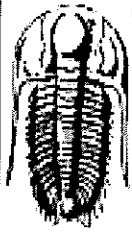
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots in tool	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 61327

DST#: 5

ATTN: Andrew Stenzel

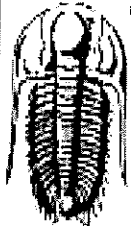
Test Start: 2017.02.05 @ 17:52:15

Tool Information

Drill Pipe:	Length: 4259.00 ft	Diameter: 3.80 inches	Volume: 59.74 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4394.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	232.00 ft			
Tool Length:	260.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4367.00	
Shut In Tool	5.00			4372.00	
Hydraulic tool	5.00			4377.00	
Jars	5.00			4382.00	
Safety Joint	3.00			4385.00	
Packer	5.00			4390.00	28.00 Bottom Of Top Packer
Packer	4.00			4394.00	
Stubb	1.00			4395.00	
Perforations	2.00			4397.00	
Change Over Sub	1.00			4398.00	
Drill Pipe	62.00			4460.00	
Change Over Sub	1.00			4461.00	
Recorder	0.00	8672	Inside	4461.00	
Recorder	0.00	6749	Outside	4461.00	
Perforations	25.00			4486.00	
Blank Off Sub	1.00			4487.00	232.00 Tool Interval
Packer	3.00			4490.00	
Stubb	1.00			4491.00	
Perforations	3.00			4494.00	
Change Over Sub	1.00			4495.00	
Drill Pipe	125.00			4620.00	
Recorder	0.00	8647	Below	4620.00	
Change Over Sub	1.00			4621.00	
Bullnose	5.00			4626.00	1000259.00 Bottom Packers & Anchor
Total Tool Length:	260.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St.
New ton KS 67114

Rohr #1

Job Ticket: 61327

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.02.05 @ 17:52:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.98 in³

Resistivity: 0.00 ohm.m

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 0 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spots in tool	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

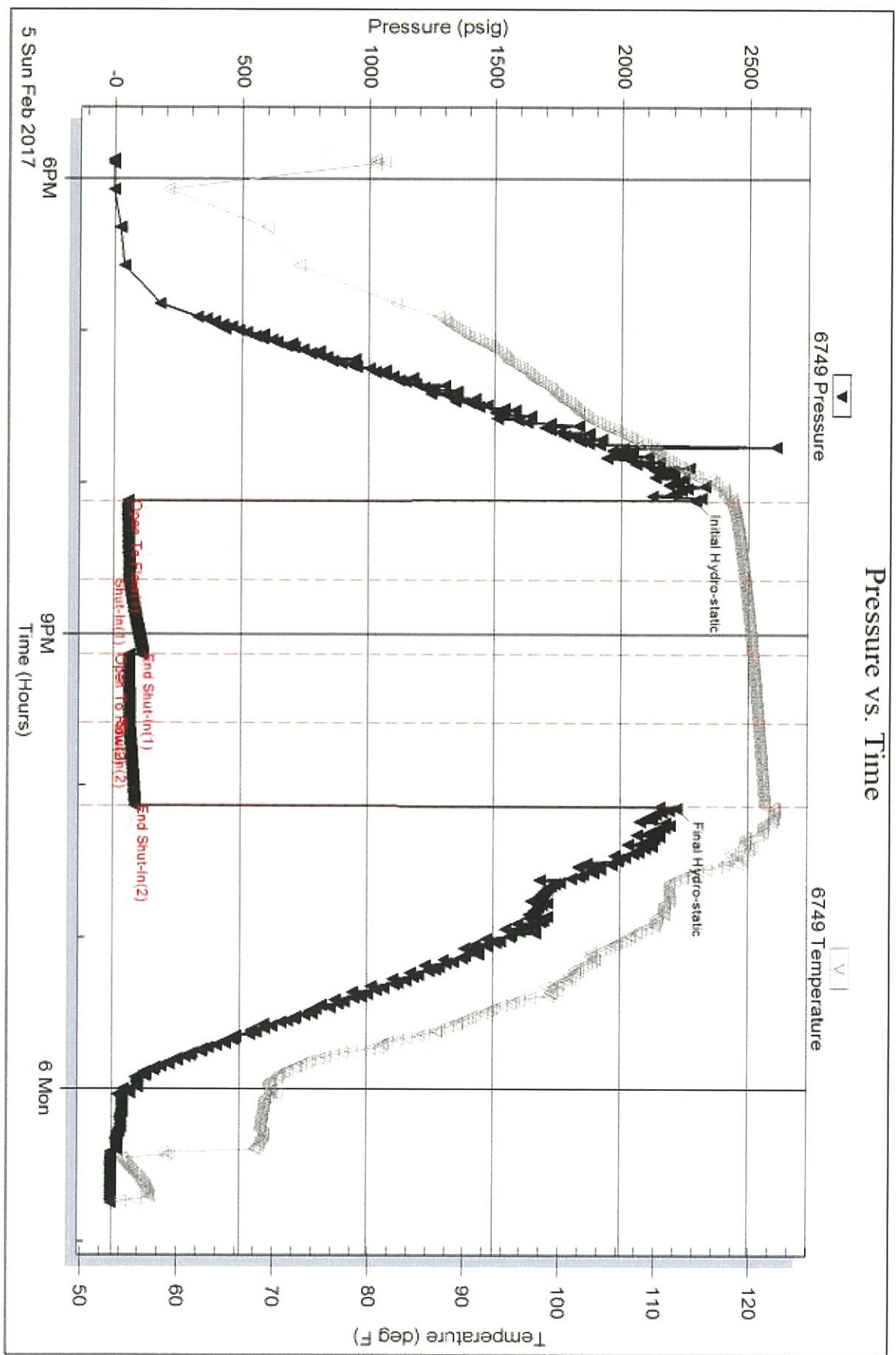
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Outside

Palomino Petroleum Inc.

Rohr #1

DST Test Number: 5



Tricoble Testing, Inc

Ref. No: 61327

Printed: 2017 02 06 @ 09:14:50

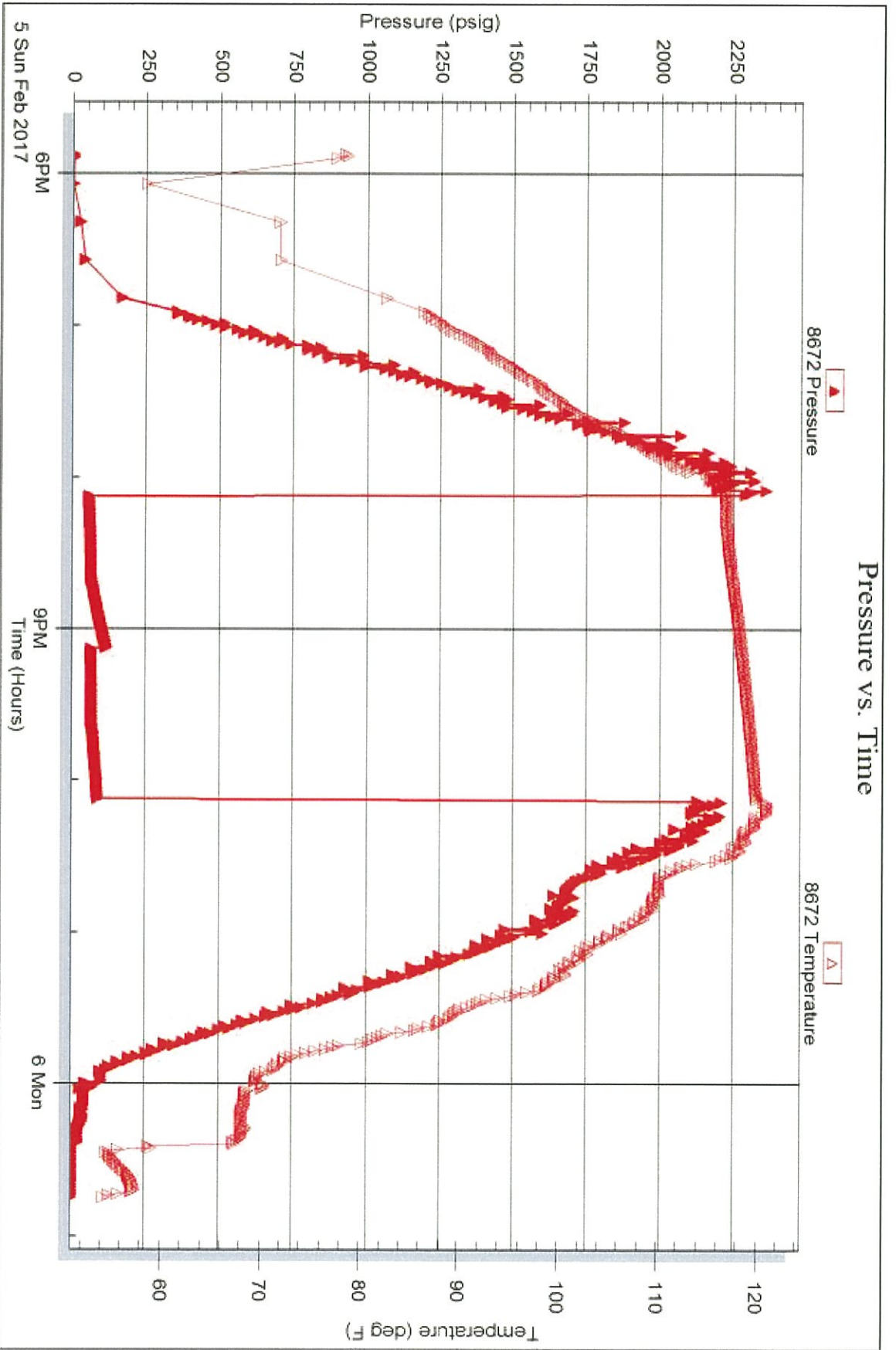
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Inside

Palomino Petroleum Inc.

Rohr #1

DST Test Number: 5



Tricoble Testing, Inc

Ref. No: 61327

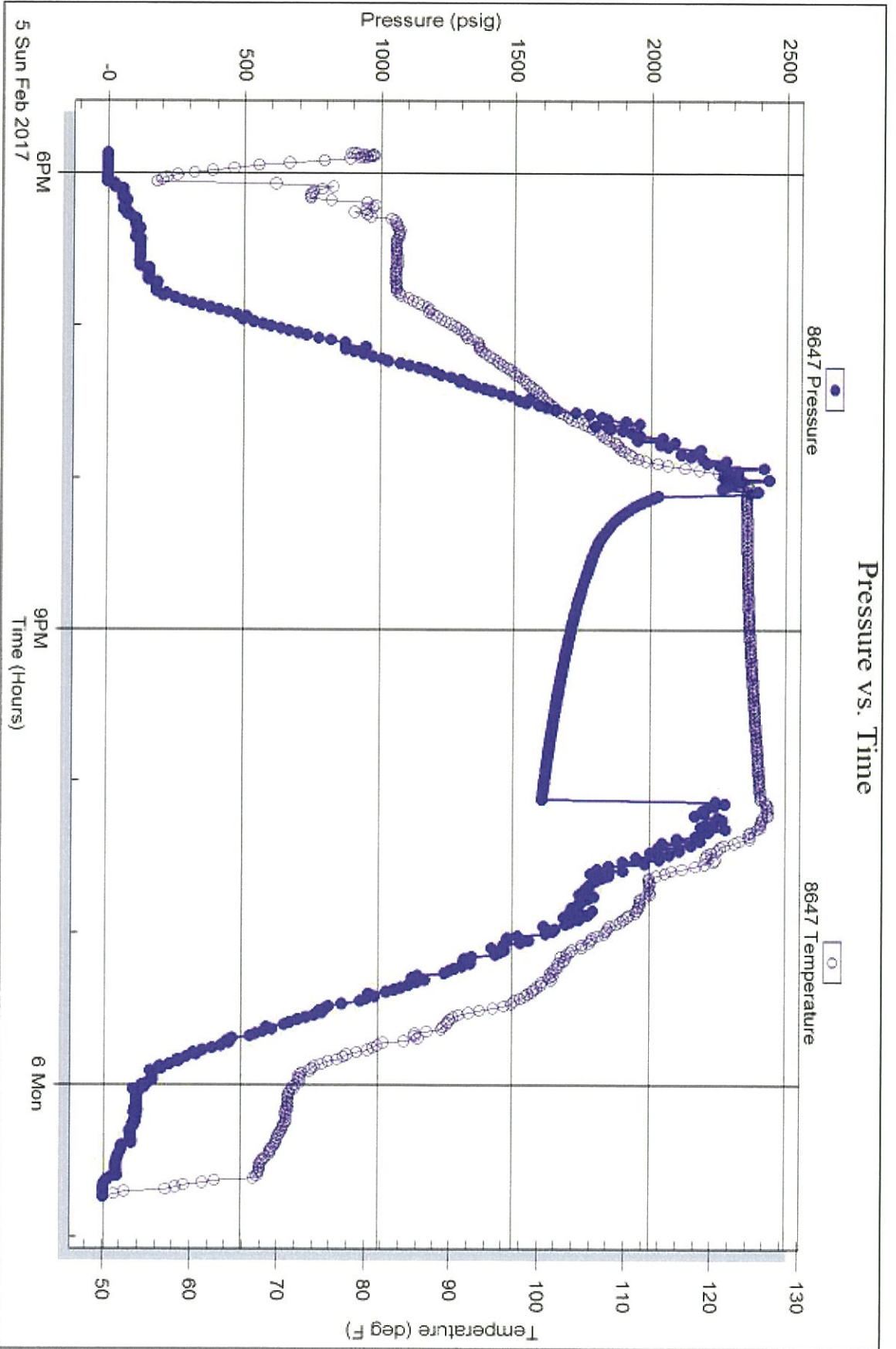
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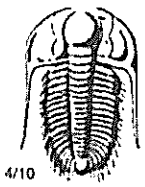
Serial #: 8647

Below (Str Rattenho Petroleum Inc.

Rohr #1

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65698

Well Name & No. Rohr #1 Test No. 1 Date 2-1-17
 Company Palomino Petroleum Inc Elevation 2611 KB 2605 GL
 Address 4924 SE 84th St Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW12
 Location: Sec. 4 Twp. 16S Rge. 27W Co. Lane State KS

Interval Tested 4029-4096 Zone Tested H-T
 Anchor Length 67 Drill Pipe Run 3891 Mud Wt. 9.1
 Top Packer Depth 4024 Drill Collars Run 121 Vis 55
 Bottom Packer Depth 4029 Wt. Pipe Run # WL 7.4
 Total Depth 4096 Chlorides 4500 ppm System LCM 2
 Blow Description IF: Built to 3/4" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

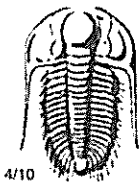
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 114 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2038 Test \$ 1150.00/- T-On Location 14:15
 (B) First Initial Flow 50 Jars " 250.00/- T-Started 16:15
 (C) First Final Flow 56 Safety Joint " 75.00/- T-Open 18:46
 (D) Initial Shut-In 1050 Circ Sub NC T-Pulled 20:46
 (E) Second Initial Flow 61 Hourly Standby — T-Out 23:01
 (F) Second Final Flow 64 Mileage 100.125 # 75.00/- Comments —
 (G) Final Shut-In 1019 Sampler —
 (H) Final Hydrostatic 2006 Straddle —
 Ruined Shale Packer —
 Ruined Packer —
 Extra Copies —

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1550
 MP/DST Disc't —
 Sub Total \$ 1550.00/-

Approved By _____ Our Representative Mike Roberts

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65699

Well Name & No. Robr #1 Test No. 2 Date 2-2-17
 Company Palomino Petroleum Inc Elevation 2611 KB 2605 GL
 Address 4924 SE 84¹/₂ St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW 12
 Location: Sec. 4 Twp. 16s Rge. 27w Co. Lane State KS

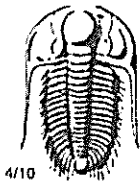
Interval Tested 4097 - 4167 Zone Tested J-K
 Anchor Length 70 Drill Pipe Run 3963 Mud Wt. 9.1
 Top Packer Depth 4092 Drill Collars Run 121 Vis 55
 Bottom Packer Depth 4097 Wt. Pipe Run Ø WL 7.6
 Total Depth 4167 Chlorides 4500 ppm System LCM 2
 Blow Description IF: Built to 3/4" died to 1/2" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2066</u>	<input checked="" type="checkbox"/> Test <u>\$1150.00/-</u>	T-On Location <u>09:15</u>
(B) First Initial Flow <u>37</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00/-</u>	T-Started <u>10:13</u>
(C) First Final Flow <u>48</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00/-</u>	T-Open <u>12:30</u>
(D) Initial Shut-In <u>504</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>14:30</u>
(E) Second Initial Flow <u>51</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:36</u>
(F) Second Final Flow <u>56</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT = \$75.00/-</u>	Comments
(G) Final Shut-In <u>484</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2051</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1550</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>\$1550.00/-</u>	

Approved By _____ Our Representative Mike Roberts
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65700

Well Name & No. Rohr #1 Test No. 3 Date 2-3-17
 Company Palomino Petroleum Inc Elevation 2611 KB 2605 GL
 Address 4924 SE 84th St, Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW12
 Location: Sec. 4 Twp. 16S Rge. 27W Co. Lane State KS

Interval Tested 4165-4323 Zone Tested Marmaton
 Anchor Length 158 Drill Pipe Run 4048 Mud Wt. 9.1
 Top Packer Depth 4160 Drill Collars Run 121 Vis 50
 Bottom Packer Depth 4165 Wt. Pipe Run 6 WL 7.8
 Total Depth 4323 Chlorides 5000 ppm System LCM 2

Blow Description IF: Built to 1" Blow
IS: No Return Blow
FF: Built to 1/8" Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>mud with oil spots in</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 62 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

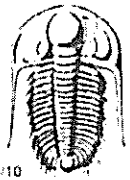
(A) Initial Hydrostatic <u>2126</u>	<input checked="" type="checkbox"/> Test <u>\$1150.00/-</u>	T-On Location <u>08:53</u>
(B) First Initial Flow <u>96</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00/-</u>	T-Started <u>11:50</u>
(C) First Final Flow <u>109</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00/-</u>	T-Open <u>13:40</u>
(D) Initial Shut-In <u>296</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>15:40</u>
(E) Second Initial Flow <u>106</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>18:00</u>
(F) Second Final Flow <u>115</u>	<input checked="" type="checkbox"/> Mileage <u>100RT = \$75.00/-</u>	Comments
(G) Final Shut-In <u>184</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2127</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1550
 MP/DST Disc't

Approved By _____ Our Representative M. Rohrbach

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61326

Well Name & No. Rohr #1 Test No. 4 Date 2-4-17
 Company Palomino Petroleum Inc Elevation 2611 KB 2605 GL
 Address 4924 SE 84th St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW 12
 Location: Sec. 4 Twp. 16S Rge. 27W Co. Lave State KS

Interval Tested 4315-4418 Zone Tested Marmaton
 Anchor Length 103 Drill Pipe Run 4173 Mud Wt. 9.3
 Top Packer Depth 4310 Drill Collars Run 121 Vis 67
 Bottom Packer Depth 4315 Wt. Pipe Run 0 WL 7.2
 Total Depth 4418 Chlorides 5200 ppm System LCM 2
 Blow Description IF: Built to ~~1/4~~ Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Feet of mud with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

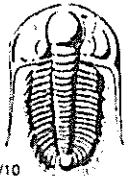
Rec Total 5 BHT 114 Gravity — API RW — @ — F Chlorides — ppm
 (A) Initial Hydrostatic 2175 Test \$150.00/- T-On Location 07:45
 (B) First Initial Flow 56 Jars \$250.00/- T-Started 08:48
 (C) First Final Flow 57 Safety Joint \$75.00/- T-Open 10:45
 (D) Initial Shut-In 103 Circ Sub NC T-Pulled 12:05
 (E) Second Initial Flow 59 Hourly Standby — T-Out 14:09
 (F) Second Final Flow 62 Mileage 100LT = \$75.00/- Comments —
 (G) Final Shut-In 82 Sampler —
 (H) Final Hydrostatic 2171 Straddle —

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 20
 Initial Shut-In 20
 Final Flow 20
 Final Shut-In 20
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total \$1550.00/-
 Sub Total 0
 Total 1550
 MP/DST Disc't —

Approved By _____ Our Representative Mike Rohrb

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

8647 - Straddle



4/10

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61327

Well Name & No. Rohr #1 Test No. 5 Date 2-5-17
 Company Palomino Petroleum Inc Elevation 2611 KB 2605 GL
 Address 4924 SE 84th St, Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW12
 Location: Sec. 4 Twp. 16S Rge. 27W Co. Lane State KS

Interval Tested 4394-4490 -4626 Zone Tested Cherokee
 Anchor Length 96 Drill Pipe Run 4259 Mud Wt. 9.3
 Top Packer Depth 4289 Drill Collars Run 121 Vis 50
 Bottom Packer Depth 4394 Wt. Pipe Run 0 WL 8.0
 Total Depth 4626 Chlorides 3600 ppm System LCM 2

Blow Description IF: Built to 1/4" Blow
IS: NO Return Blow
FP: NO Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Feet of MUD with oil spots in tool</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 123 Gravity — API RW — @ — F Chlorides — ppm
 (A) Initial Hydrostatic 2286 Test 1150.00/- T-On Location 16:30
 (B) First Initial Flow 56 Jars 250.00/- T-Started 17:52
 (C) First Final Flow 60 Safety Joint 75.00/- T-Open 20:05
 (D) Initial Shut-In 108 Circ Sub N.C. T-Pulled 22:05
 (E) Second Initial Flow 63 Hourly Standby — T-Out 00:45
 (F) Second Final Flow 65 Mileage 100RT = 475.00/- Comments —
 (G) Final Shut-In 87 Sampler —
 (H) Final Hydrostatic 2220 Straddle 1600.00/- Ruined Shale Packer —

Initial Open 30 Shale Packer — Ruined Packer —
 Initial Shut-In 30 Extra Packer — Extra Copies —
 Final Flow 30 Extra Recorder — Sub Total 0
 Final Shut-In 30 Day Standby — Total 2150
 Accessibility — MP/DST Disc't —
 Sub Total 12150.00/-

Approved By _____ Our Representative Mike Roberts

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