

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1327776
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
-----------------------------------	-----------------	---

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: _____

1327776

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size: _____ Set At: _____ Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	BROWNIE 4
Doc ID	1327776

Tops

Name	Top	Datum
Anhy.	2242	(+556)
Base Anhy.	2298	(+500)
Heebner	3848	(-1050)
Toronto	3872	(-1074)
Lansing	3887	(-1087)
Muncie Creek	4043	(-1245)
Stark Shale	4133	(-1335)
BKC	4208	(-1410)
Pawnee	4339	(-1541)
Myrick Station	4366	(-1568)
Ft. Scott	4395	(-1597)
Cherokee Sh.	4420	(-1622)
Miss.	4512	(-1714)
LTD	4672	(-1874)

GLOBAL OIL FIELD SERVICES, LLC

Invoice

24 S. Lincoln
RUSSELL, KS 67665

PAID
JAN 19 2017

Date	Invoice #
1/16/2017	2811

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

P.O. No.	Terms	Project
BROWNIE#4	Due on receipt	

Quantity	Description	Rate	Amount
144	COMMON	16.00	2,304.00
96	POZ	9.50	912.00
60	FLO-SEAL	2.00	120.00
13	GEL	21.50	279.50
253	HANDLING	1.90	480.70
	BULK MILEAGE	202.40	202.40
1	TRI-PLEX PUMP CHARGE FOR PLUG	750.00	750.00
10	PUMP TRUCK MILEAGE	6.00	60.00
10	PICKUP	1.80	18.00
1	DRY HOLE PLUG	62.50	62.50
	25% DISCOUNT IF PAID WITHIN 15 DAYS FROM INVOICE		
	GOVE CO SALES TAX	8.50%	0.00

Cement for plugging # 4 1/16

Thank you for your business.	Total	\$5,189.10
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-1,297.28
3,891.82 ✓

GLOBAL OIL FIELD SERVICES, LLC

2811

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>1-8-17</u>	SEC. <u>7</u>	TWP. <u>14</u>	RANGE <u>30</u>	CALLED OUT <u>4:00 AM</u>	ON LOCATION <u>7:30 AM</u>	JOB START	JOB FINISH <u>11:00 AM</u>
LEASE <u>Brownie</u>	WELL # <u>4</u>	LOCATION <u>Gallitz 17275</u>			COUNTY <u>Govt</u>	STATE <u>Ks</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR WGL #10
 TYPE OF JOB Plug
 HOLE SIZE 7 1/2" T.D.
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2" DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS _____
 DISPLACEMENT _____

OWNER _____
 CEMENT AMOUNT ORDERED 240 lb 6400 21% Ret & Cells

EQUIPMENT
 PUMP TRUCK CEMENTER B. H.
 # 217 HELPER John
 BULK TRUCK _____
 # _____ DRIVER John
 BULK TRUCK _____
 # _____ DRIVER _____

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

REMARKS:

1st plug c 2249 w/ 50 cells
2nd plug c 1304 w/ 10 cells
3rd plug c 250 w/ 50 cells
4th plug c 40 w/ 10 cells
John BH

CHARGE TO: Palemian Pet.
 STREET 4904 SE 84th
 CITY Newton STATE Ks ZIP 67114

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

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 Richard Harris
 SIGNATURE Richard Harris

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



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

DEC 24 2016

P.O.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

809261

Invoice Date: 12/20/16

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET
NEWTON KS 67114-8827
USA

BROWNIE#4

Tax: 177.42

Total: 3,338.82

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7554

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-8822

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914

CUSHING, OK
918/225-2650



CONSOLIDATED
Oil Well Services, LLC

PO Box 384, Chanute, KS 66720
620-431-9210 or 800-467-8676

12/14
7144
Invoice # 809261

TICKET NUMBER 51655
LOCATION Oakley KS
FOREMAN Jerry V

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
12-14-16	6285	Brown: 24-	7	14S	30W	Gove	
CUSTOMER		ORIENT		TRUCK #	DRIVER	TRUCK #	DRIVER
Pafomino		7 South		731	Cory D		
MAILING ADDRESS		E, into		479	Steve O		
4924 SE 8th Street				639			
CITY	STATE	ZIP CODE					
Newton	KS	67114-8827					

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 208 CASING SIZE & WEIGHT 8 5/8 23.4
 CASING DEPTH 208 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.24 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12661 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on well 10 break circulation with rig tree
mix 165 sks surface blend 11 wash up & displace with 12 661 freshwater
and shut in. circulated approx 3667 to post

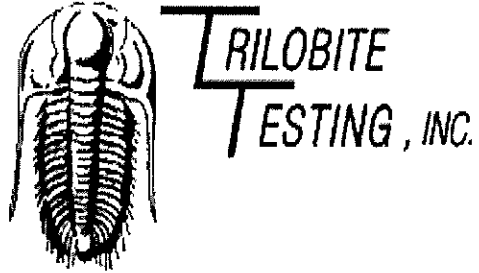
*Cement did
circulate*

*Thank you
Jerry & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471	1	PUMP CHARGE	1150.00	1150.00
CE0002	20	MILEAGE	7.15	143.00
CE0711	7.5	ton mileage delivery	660.00	660.00
CC5871	165 sks	surface blend 11	23.00	3795.00
CC5326	100 #	Salt	no charge	
			Subtotal	5748.00
			-45% disc.	2586.60
			Subtotal	3161.40
			SALES TAX	177.42
			ESTIMATED TOTAL	3338.82

AVIN 3737
AUTHORIZATION Rich Altman TITLE _____ DATE _____

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.



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Brownie #4

7-14-30w Gove,KS

Start Date: 2016.12.30 @ 20:58:15

End Date: 2016.12.31 @ 01:56:00

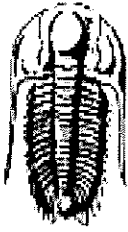
Job Ticket #: 65689 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.01.05 @ 11:36:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65689

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2016.12.30 @ 20:58:15

GENERAL INFORMATION:

Formation: LKC A

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:47:30

Time Test Ended: 01:56:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 3881.00 ft (KB) To 3916.00 ft (KB) (TVD)

Reference Elevations: 2798.00 ft (KB)

Total Depth: 3916.00 ft (KB) (TVD)

2793.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8672

Inside

Press@RunDepth: 545.54 psig @ 3882.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.12.30

End Date:

2016.12.30

Last Calib.:

2016.12.30

Start Time: 17:49:00

End Time:

22:46:45

Time On Btm:

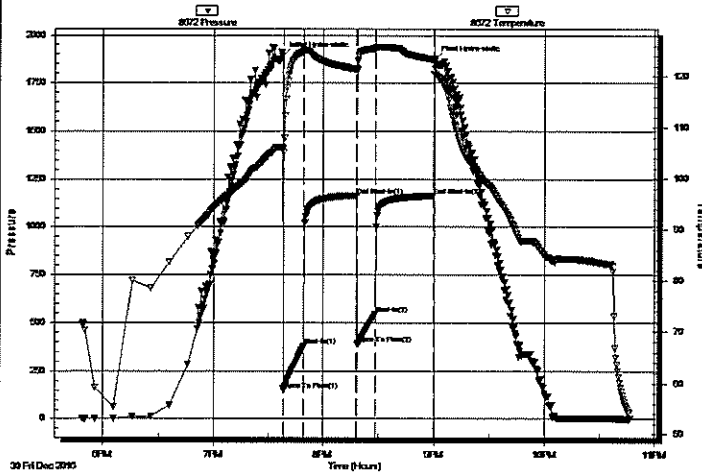
2016.12.30 @ 19:37:45

Time Off Btm:

2016.12.30 @ 21:00:15

TEST COMMENT: IF:BOB in 2 min.
IS:No return blow
FF:BOB in 2 min.
FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

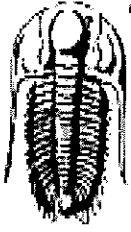
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.02	105.99	Initial Hydro-static
1	147.88	105.91	Open To Flow (1)
12	377.32	124.91	Shut-In(1)
40	1163.66	121.45	End Shut-In(1)
41	388.36	121.11	Open To Flow (2)
51	545.54	125.49	Shut-In(2)
82	1163.34	123.21	End Shut-In(2)
83	1873.86	122.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	sw 100%sw (Collars)	0.61
496.00	sw 100%sw	6.96
186.00	mcw 10%m 90%w	2.61
310.00	w cm 5%w 95%m	4.35

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
 4924 SE 84th St.
 Newton KS 67114
 ATTN: Andrew Stenzel

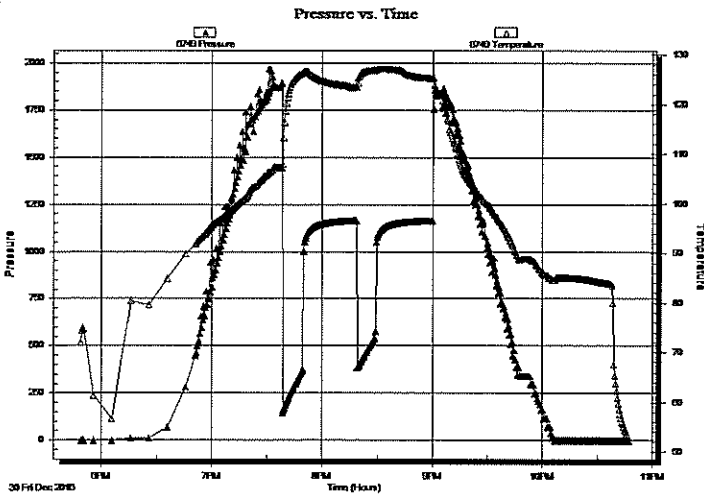
7-14-30w Gove,KS
Brownie #4
 Job Ticket: 65689 **DST#: 1**
 Test Start: 2016.12.30 @ 20:58:15

GENERAL INFORMATION:

Formation: LKC A
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:47:30
 Time Test Ended: 01:56:00
 Interval: 3881.00 ft (KB) To 3916.00 ft (KB) (TVD)
 Total Depth: 3916.00 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: 2798.00 ft (KB)
 2793.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6749 Outside
 Press@RunDepth: psig @ 3882.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.12.30 End Date: 2016.12.30 Last Calib.: 2016.12.30
 Start Time: 17:49:15 End Time: 22:47:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:BOB in 2 min.
 IS:No return blow
 FF:BOB in 2 min.
 FS:No return blow



PRESSURE SUMMARY

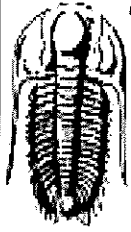
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
124.00	sw 100%sw (Collars)	0.61
496.00	sw 100%sw	6.96
186.00	mcw 10%m 90%w	2.61
310.00	w cm 5%w 95%m	4.35

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.
4924 SE 84th St.
New ton KS 67114
ATTN: Andrew Stenzel

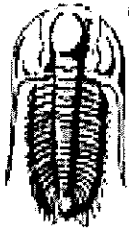
7-14-30w Gove,KS
Brownie #4
Job Ticket: 65689 **DST#: 1**
Test Start: 2016.12.30 @ 20:58:15

Tool Information

Drill Pipe:	Length: 3744.00 ft	Diameter: 3.80 inches	Volume: 52.52 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: 2000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3881.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 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			3854.00	
Shut In Tool	5.00			3859.00	
Hydraulic tool	5.00			3864.00	
Jars	5.00			3869.00	
Safety Joint	3.00			3872.00	
Packer	5.00			3877.00	28.00 Bottom Of Top Packer
Packer	4.00			3881.00	
Stubb	1.00			3882.00	
Recorder	0.00	8672	Inside	3882.00	
Recorder	0.00	6749	Outside	3882.00	
Perforations	29.00			3911.00	
Bullnose	5.00			3916.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65689

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2016.12.30 @ 20:58:15

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:

19000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.71 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	sw 100%sw (Collars)	0.610
496.00	sw 100%sw	6.958
186.00	mcw 10%m 90%w	2.609
310.00	w cm 5%w 95%m	4.348

Total Length: 1116.00 ft Total Volume: 14.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .635@40.3= 19,000 ppm

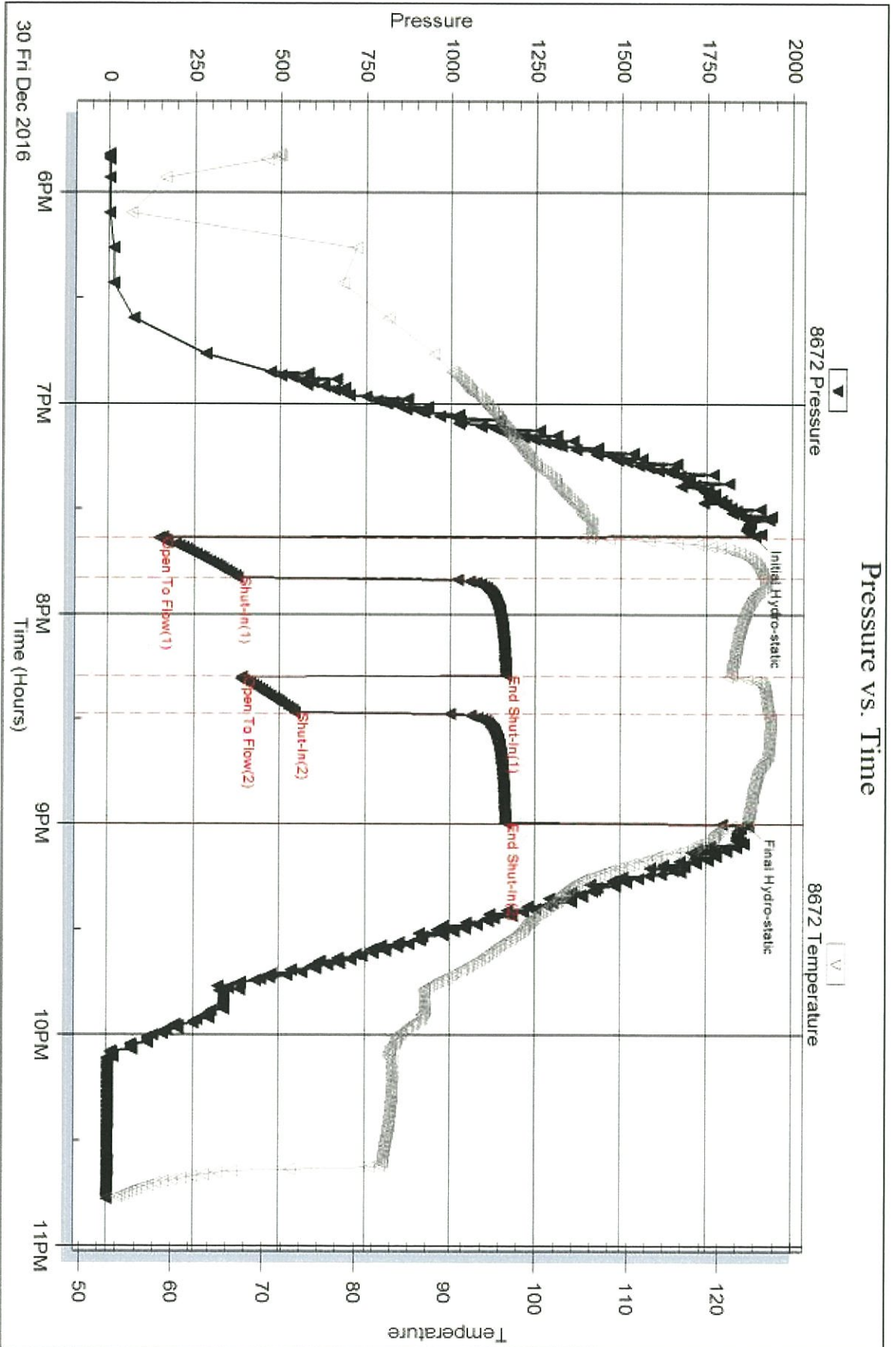
Serial #: 8672

Inside

Palomino Petroleum Inc.

Brownie #4

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 65689

Printed 2017.01.05 @ 11:36:25

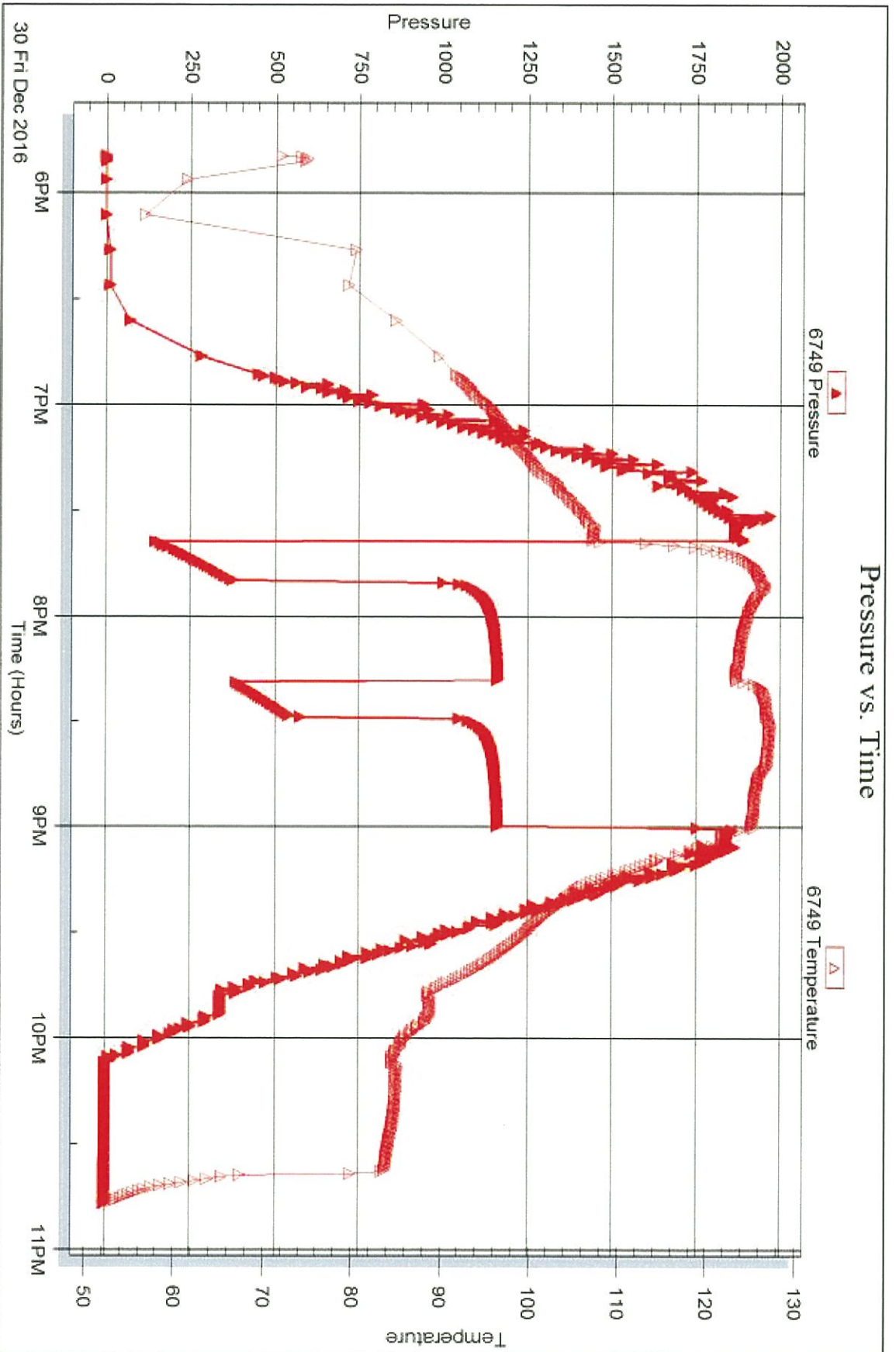
Serial #: 6749

Outside

Palorino Petroleum Inc.

Brown #4

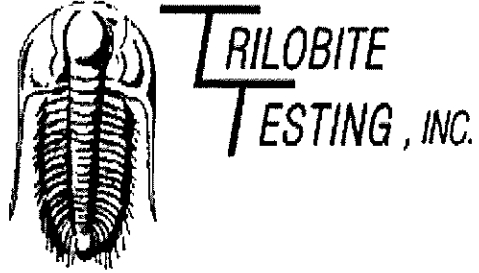
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 65689

Printed 2017.01.05 @ 11:36:25



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Brownie #4

7-14-30w Gove,KS

Start Date: 2016.12.31 @ 06:38:15

End Date: 2016.12.31 @ 12:10:45

Job Ticket #: 65690 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.01.05 @ 11:36:01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65690

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2016.12.31 @ 06:38:15

GENERAL INFORMATION:

Formation: LKC C

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:09:00

Time Test Ended: 12:10:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 3911.00 ft (KB) To 3952.00 ft (KB) (TVD)

Reference Elevations: 2798.00 ft (KB)

Total Depth: 3952.00 ft (KB) (TVD)

2793.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749

Outside

Press@RunDepth: 31.09 psig @ 3912.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.12.31

End Date: 2016.12.31

Last Calib.: 2016.12.31

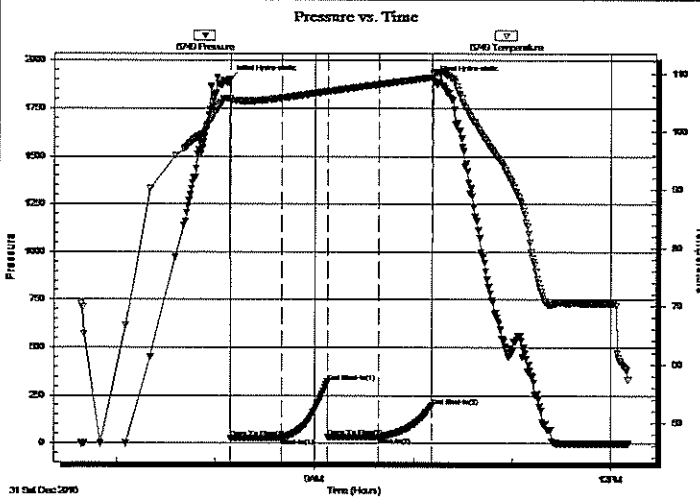
Start Time: 06:38:15

End Time: 12:10:45

Time On Btm: 2016.12.31 @ 08:08:45

Time Off Btm: 2016.12.31 @ 10:11:15

TEST COMMENT: IF: Built to weak surface blow
IS: No return blow
FF: No blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1901.04	105.59	Initial Hydro-static
1	25.91	105.05	Open To Flow (1)
32	28.07	105.70	Shut-In(1)
59	320.86	106.87	End Shut-In(1)
60	30.32	106.81	Open To Flow (2)
90	31.09	108.10	Shut-In(2)
122	194.98	109.29	End Shut-In(2)
123	1900.00	109.96	Final Hydro-static

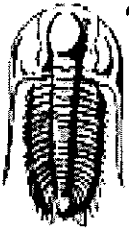
Recovery

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

Palomino Petroleum Inc.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65690

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2016.12.31 @ 06:38:15

GENERAL INFORMATION:

Formation: **LKC C**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: **08:09:00**
 Time Test Ended: **12:10:45**

Interval: **3911.00 ft (KB) To 3952.00 ft (KB) (TVD)**
 Total Depth: **3952.00 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: **2798.00 ft (KB)**
 2793.00 ft (CF)
 KB to GR/CF: **5.00 ft**

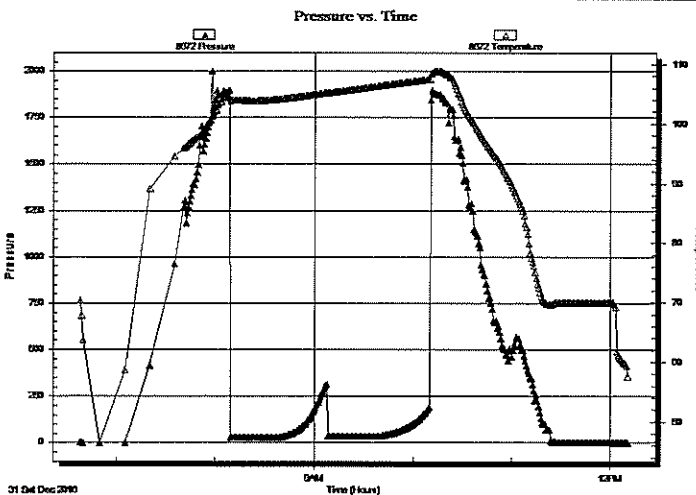
Serial #: 8672

Inside

Press@RunDepth: psig @ 3912.00 ft (KB)
 Start Date: 2016.12.31 End Date: 2016.12.31
 Start Time: 06:38:15 End Time: 12:10:45

Capacity: 8000.00 psig
 Last Calib.: 2016.12.31
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Built to weak surface blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

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

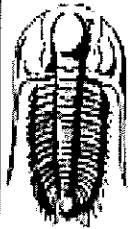
Recovery

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.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65690

DST#: 2

ATTN: Andrew Stenzel

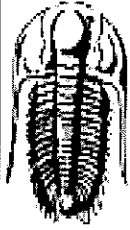
Test Start: 2016.12.31 @ 06:38:15

Tool Information

Drill Pipe:	Length: 3787.00 ft	Diameter: 3.80 inches	Volume: 53.12 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3911.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	69.00 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			3884.00	
Shut In Tool	5.00			3889.00	
Hydraulic tool	5.00			3894.00	
Jars	5.00			3899.00	
Safety Joint	3.00			3902.00	
Packer	5.00			3907.00	28.00 Bottom Of Top Packer
Packer	4.00			3911.00	
Stubb	1.00			3912.00	
Recorder	0.00	8672	Inside	3912.00	
Recorder	0.00	6749	Outside	3912.00	
Perforations	35.00			3947.00	
Bullnose	5.00			3952.00	41.00 Bottom Packers & Anchor
Total Tool Length:	69.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65690

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2016.12.31 @ 06:38:15

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: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.71 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	mud w ith 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:

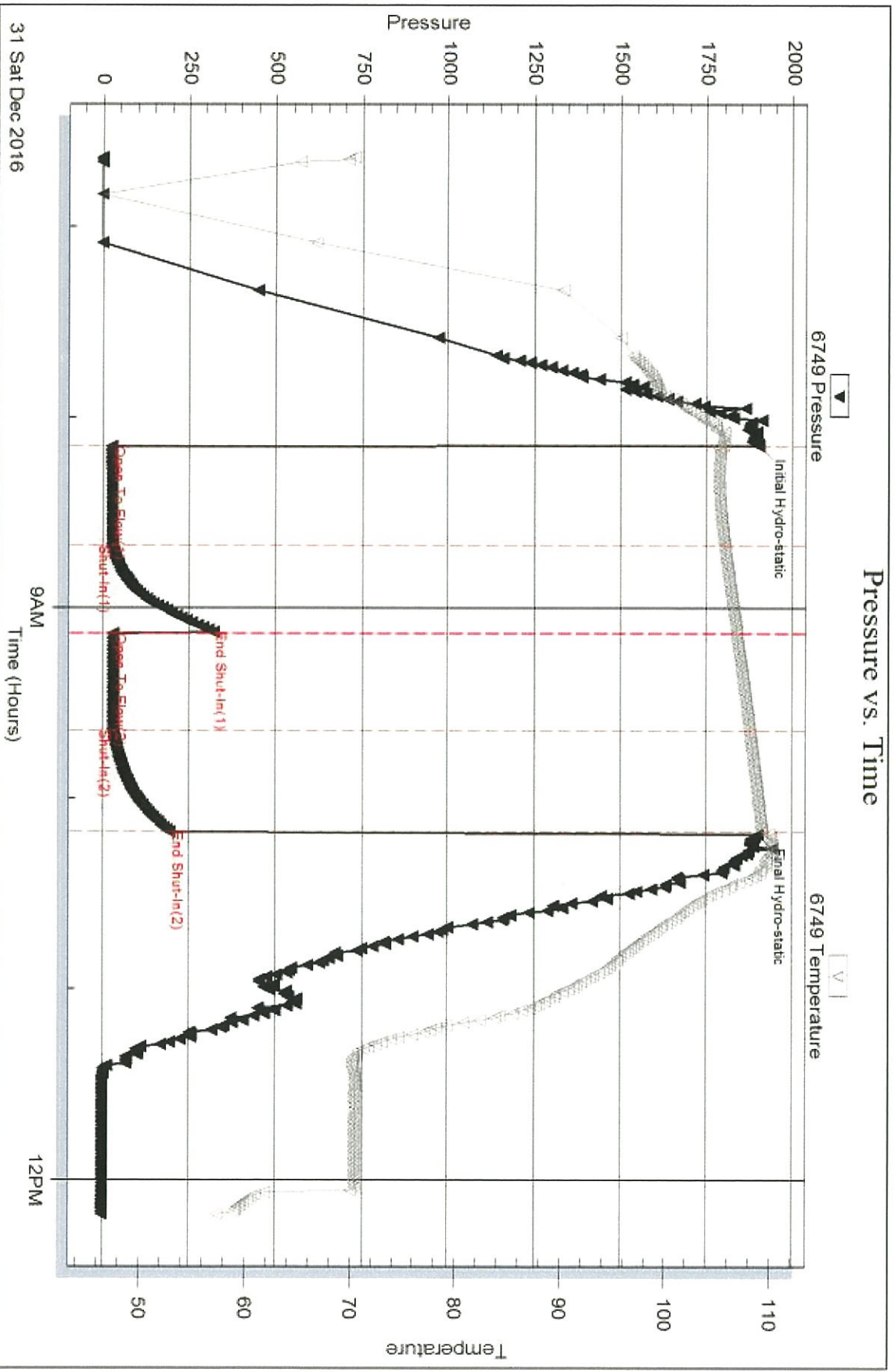
Recovery Comments:

Serial #: 6749

Outside Palomiro Petroleum Inc.

Brow nr #4

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 65690

Printed: 2017.01.05 @ 11:36:01

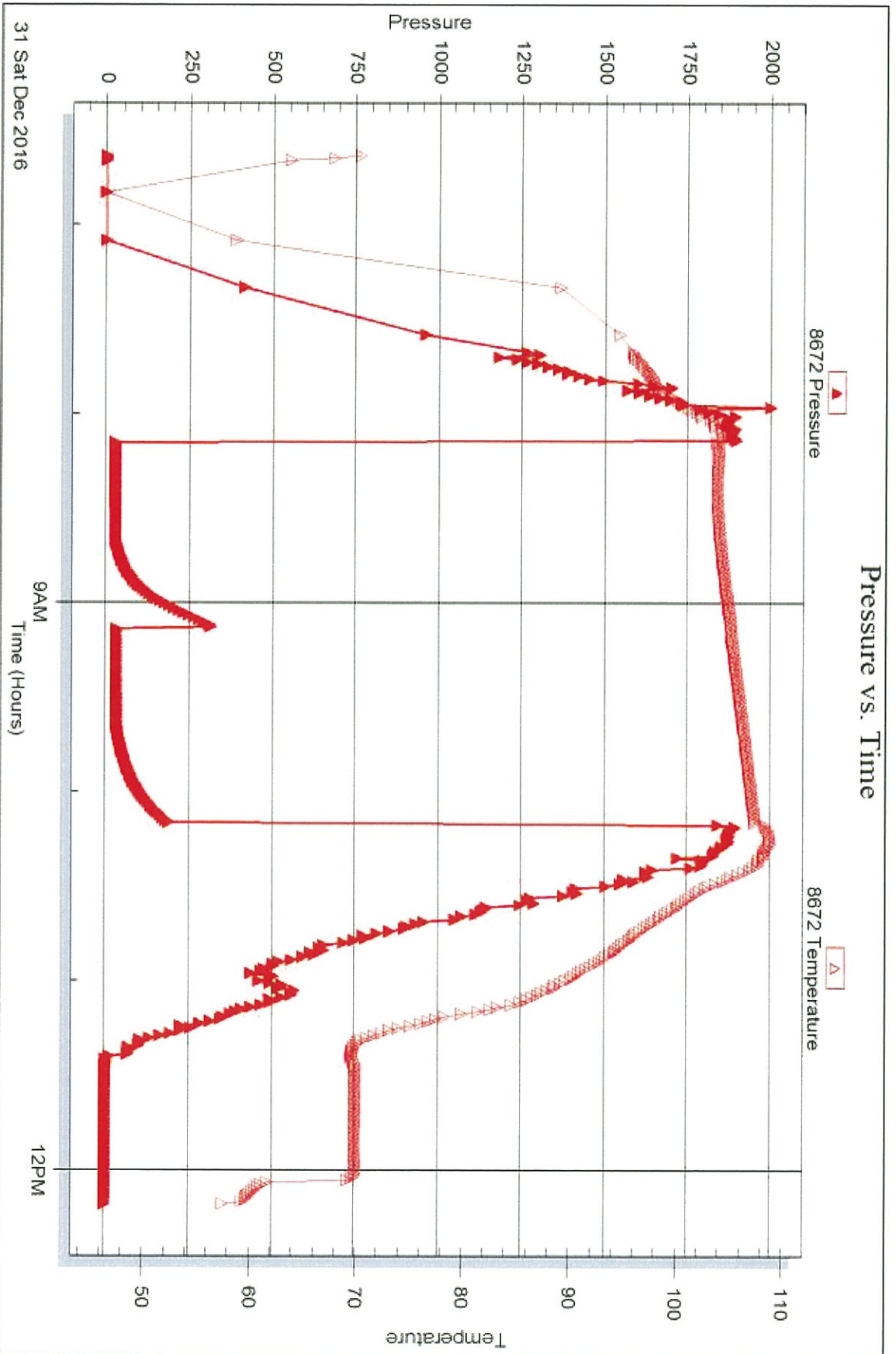
Serial #: 8672

Inside

Palomino Petroleum Inc.

Brownie #4

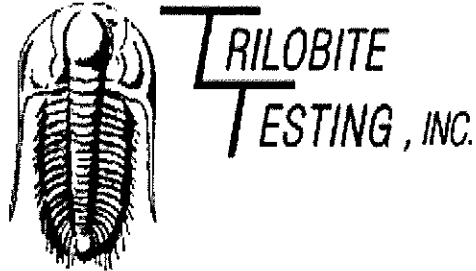
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 65690

Printed: 2017.01.05 @ 11:36:01



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Brownie #4

7-14-30w Gove,KS

Start Date: 2017.01.01 @ 05:09:00

End Date: 2017.01.01 @ 10:36:15

Job Ticket #: 65691 DST #: 3

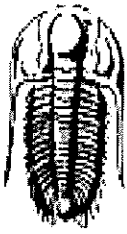
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.01.05 @ 11:35:34

Palomino Petroleum Inc. 7-14-30w Gove,KS Brownie #4 DST # 3 LKC H-1 2017.01.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65691

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2017.01.01 @ 05:09:00

GENERAL INFORMATION:

Formation: LKC H-I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:57:30

Time Test Ended: 10:36:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4037.00 ft (KB) To 4108.00 ft (KB) (TVD)

Reference Elevations: 2798.00 ft (KB)

Total Depth: 4107.00 ft (KB) (TVD)

2793.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749

Outside

Press@RunDepth: 53.35 psig @ 4074.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.01

End Date: 2017.01.01

Last Calib.: 2017.01.01

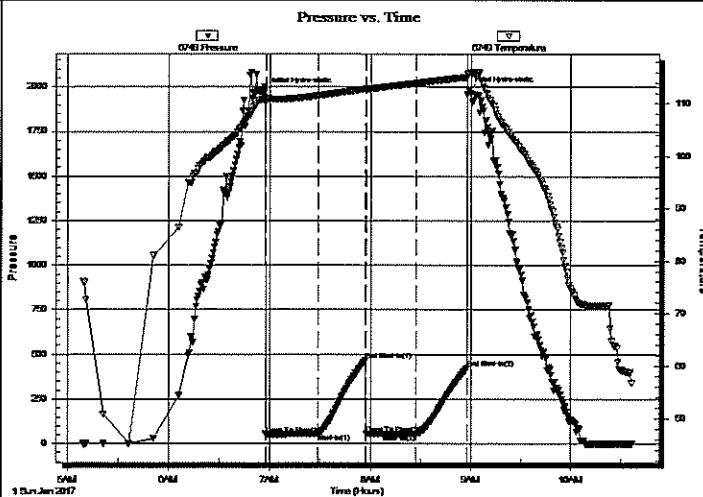
Start Time: 05:09:15

End Time: 10:36:15

Time On Btm: 2017.01.01 @ 06:57:15

Time Off Btm: 2017.01.01 @ 08:58:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.10	111.09	Initial Hydro-static
1	52.11	110.41	Open To Flow (1)
32	53.77	111.47	Shut-In(1)
60	464.46	112.74	End Shut-In(1)
60	54.71	112.64	Open To Flow (2)
91	53.35	113.84	Shut-In(2)
121	421.04	115.01	End Shut-In(2)
122	1981.65	115.67	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

Palomino Petroleum Inc.
 4924 SE 84th St.
 Newton KS 67114
 ATTN: Andrew Stenzel

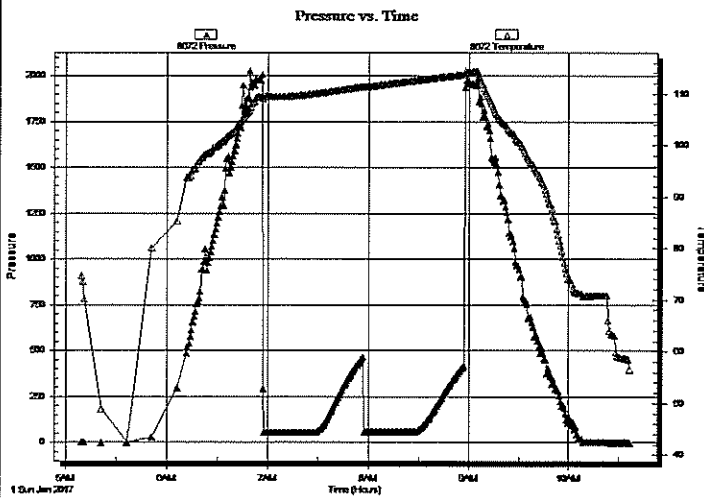
7-14-30w Gove,KS
Brownie #4
 Job Ticket: 65691 **DST#: 3**
 Test Start: 2017.01.01 @ 05:09:00

GENERAL INFORMATION:

Formation: LKC H-I
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:57:30
 Time Test Ended: 10:36:15
 Interval: 4037.00 ft (KB) To 4108.00 ft (KB) (TVD)
 Total Depth: 4107.00 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: 2798.00 ft (KB)
 2793.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8672 Inside
 Press@RunDepth: psig @ 4074.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.01.01 End Date: 2017.01.01 Last Calib.: 2017.01.01
 Start Time: 05:09:15 End Time: 10:36:15 Time On Btm:
 Time Off Btm:

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



PRESSURE SUMMARY

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

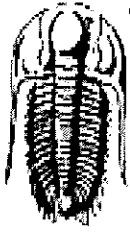
Recovery

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

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65691

DST#: 3

ATTN: Andrew Stenzel

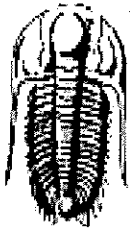
Test Start: 2017.01.01 @ 05:09:00

Tool Information

Drill Pipe:	Length: 3913.00 ft	Diameter: 3.80 inches	Volume: 54.89 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4037.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	99.00 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			4010.00	
Shut In Tool	5.00			4015.00	
Hydraulic tool	5.00			4020.00	
Jars	5.00			4025.00	
Safety Joint	3.00			4028.00	
Packer	5.00			4033.00	28.00 Bottom Of Top Packer
Packer	4.00			4037.00	
Stubb	1.00			4038.00	
Perforations	2.00			4040.00	
Change Over Sub	1.00			4041.00	
Drill Pipe	32.00			4073.00	
Change Over Sub	1.00			4074.00	
Recorder	0.00	8672	Inside	4074.00	
Recorder	0.00	6749	Outside	4074.00	
Perforations	29.00			4103.00	
Bullnose	5.00			4108.00	71.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65691

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2017.01.01 @ 05:09:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.54 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud with 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:

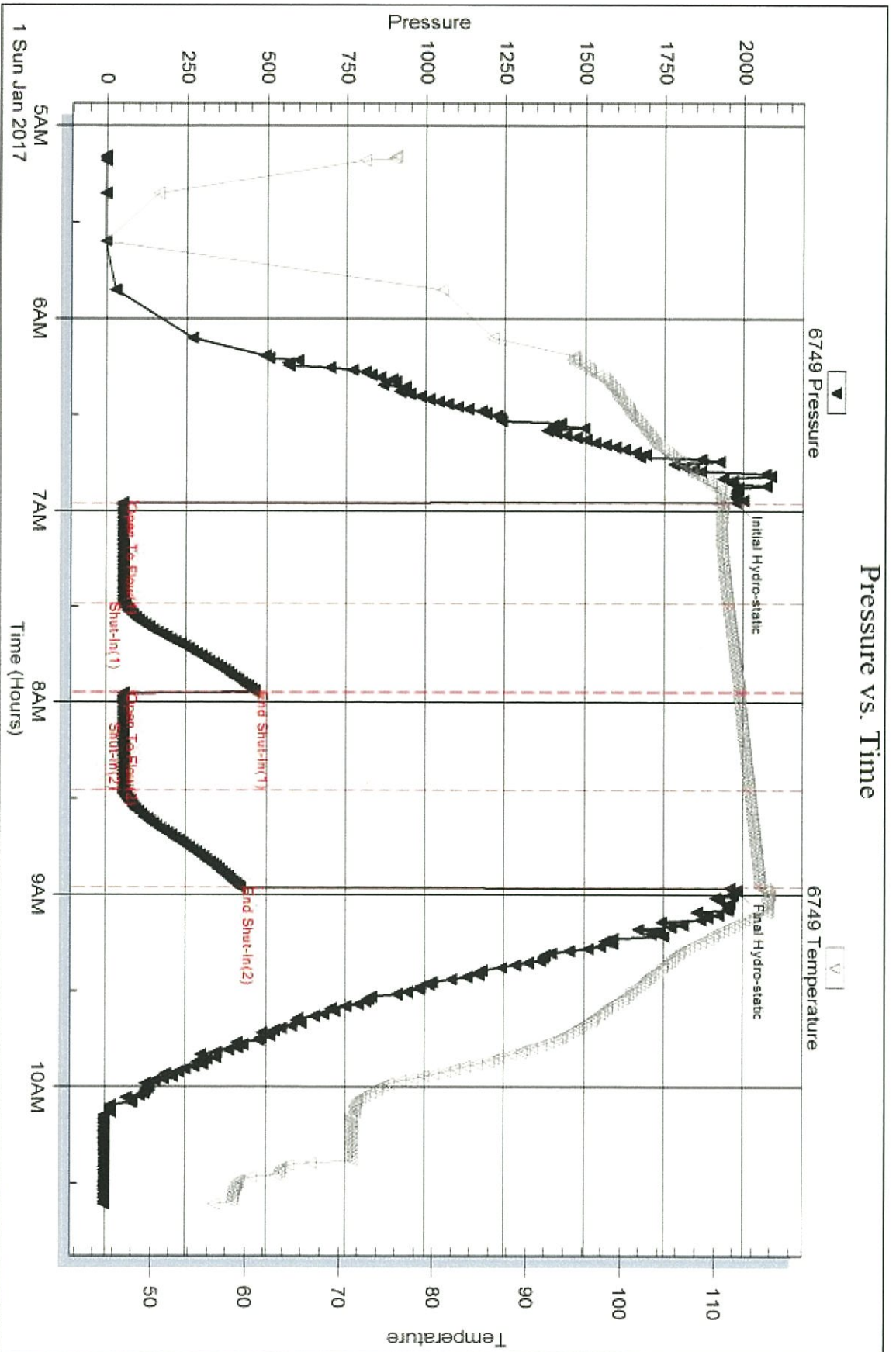
Serial #: 6749

Outside

Palomino Petroleum Inc.

Brown #4

DST Test Number: 3



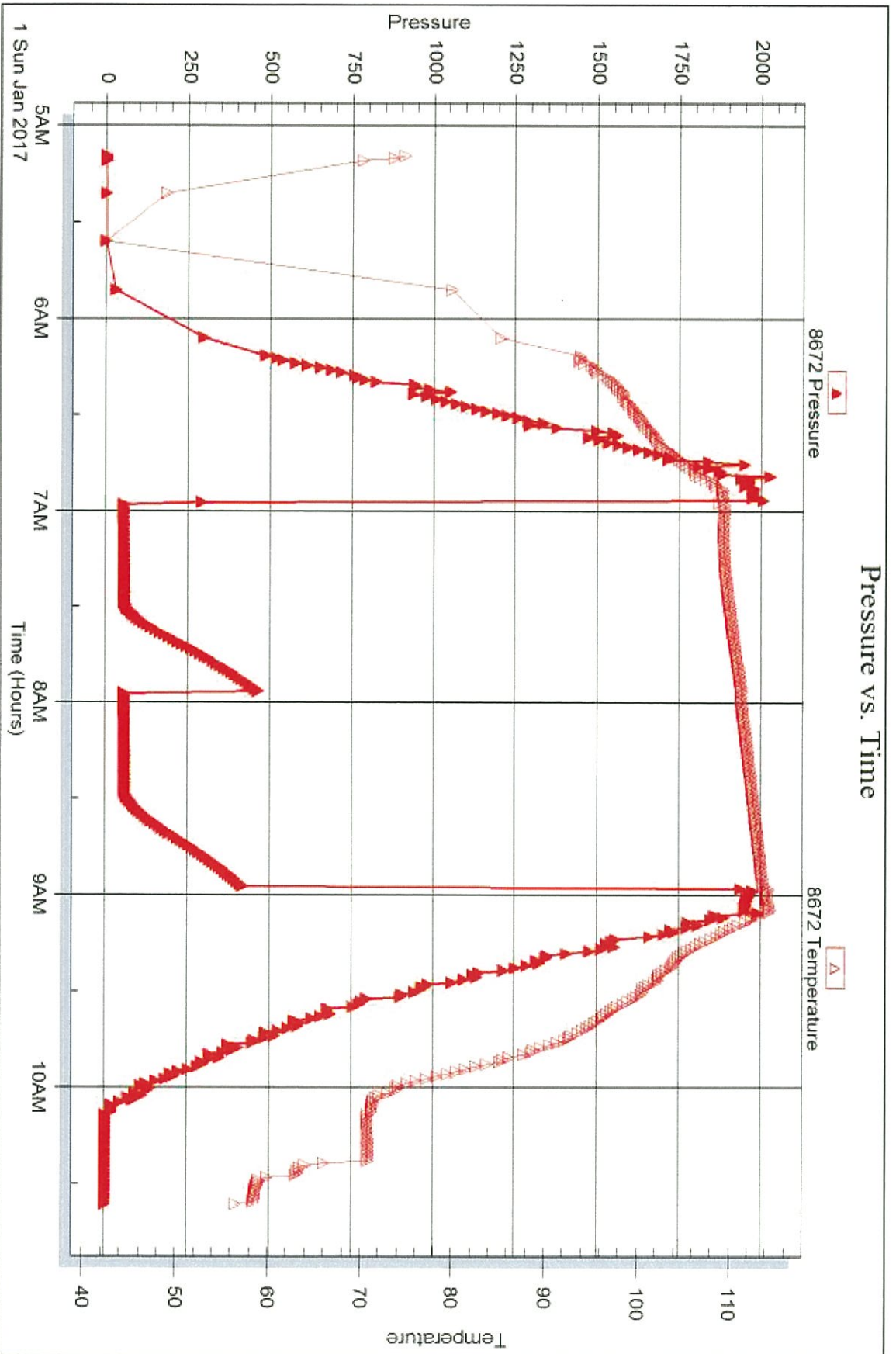
Serial #: 8672

Inside

Palomino Petroleum Inc.

Brownie #4

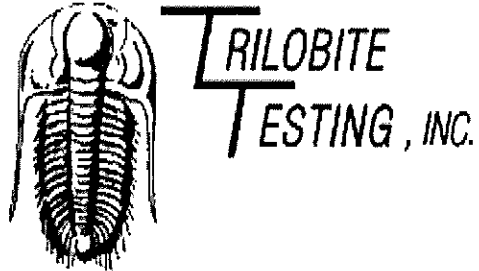
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 65691

Printed: 2017.01.05 @ 11:35:35



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Brownie #4

7-14-30w Gove,KS

Start Date: 2017.01.01 @ 22:48:15

End Date: 2017.01.02 @ 05:27:30

Job Ticket #: 65692 DST #: 4

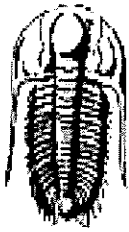
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.01.05 @ 11:35:12

Palomino Petroleum Inc. 7-14-30w Gove,KS Brownie #4 DST # 4 LKC J-L 2017.01.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65692

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2017.01.01 @ 22:48:15

GENERAL INFORMATION:

Formation: LKC J - L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:47:15

Time Test Ended: 05:27:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4098.00 ft (KB) To 4208.00 ft (KB) (TVD)

Reference Elevations: 2798.00 ft (KB)

Total Depth: 4208.00 ft (KB) (TVD)

2793.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8672

Inside

Press@RunDepth: 192.23 psig @ 4166.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.01

End Date:

2017.01.02

Last Calib.: 2017.01.02

Start Time: 22:48:15

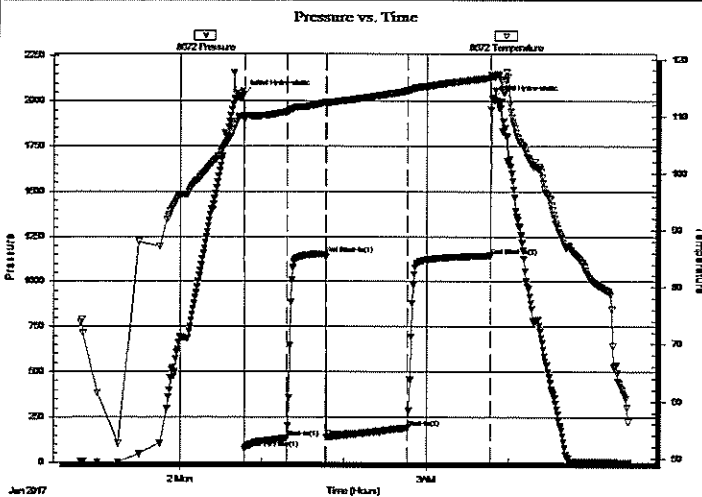
End Time:

05:27:30

Time On Btm: 2017.01.02 @ 00:46:30

Time Off Btm: 2017.01.02 @ 03:48:00

TEST COMMENT: IF:Built to 8" blow
IS:No return blow
FF:BOB in 44 min.
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2036.15	110.05	Initial Hydro-static
1	74.87	109.25	Open To Flow (1)
32	132.87	110.74	Shut-In(1)
60	1154.01	112.39	End Shut-In(1)
61	138.15	112.12	Open To Flow (2)
120	192.23	114.36	Shut-In(2)
180	1143.14	116.72	End Shut-In(2)
182	2009.98	116.90	Final Hydro-static

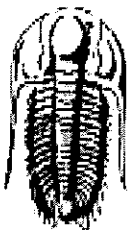
Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 50% m 50% w (collars)	0.61
181.00	mud 100% m	2.54
5.00	free oil 100% o	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65692

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2017.01.01 @ 22:48:15

GENERAL INFORMATION:

Formation: LKC J - L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:47:15

Time Test Ended: 05:27:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4098.00 ft (KB) To 4208.00 ft (KB) (TVD)

Reference Elevations: 2798.00 ft (KB)

Total Depth: 4208.00 ft (KB) (TVD)

2793.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6748

Press@RunDepth: 1021.04 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.01

End Date: 2017.01.02

Last Calib.: 2017.01.02

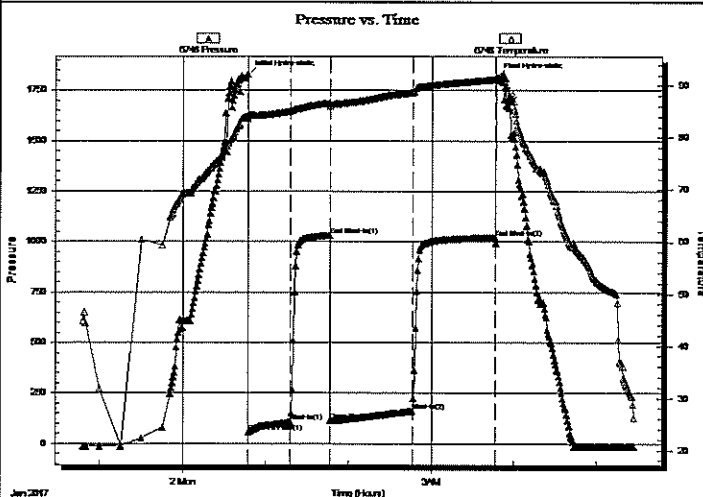
Start Time: 22:48:15

End Time: 05:27:45

Time On Btm: 2017.01.02 @ 00:47:15

Time Off Btm: 2017.01.02 @ 03:47:30

TEST COMMENT: IF: Built to 8" blow
IS: No return blow
FF: BOB in 44 min.
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1827.84	84.20	Initial Hydro-static
1	55.93	83.64	Open To Flow (1)
31	107.31	85.04	Shut-In(1)
60	1030.00	86.65	End Shut-In(1)
60	113.96	86.10	Open To Flow (2)
119	161.15	88.70	Shut-In(2)
180	1021.04	91.19	End Shut-In(2)
181	1817.40	91.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 50% m 50% w (collars)	0.61
181.00	mud 100% m	2.54
5.00	free oil 100% o	0.07

* 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.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65692

DST#: 4

ATTN: Andrew Stenzel

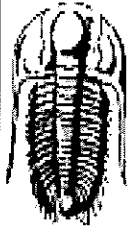
Test Start: 2017.01.01 @ 22:48:15

Tool Information

Drill Pipe:	Length: 3976.00 ft	Diameter: 3.80 inches	Volume: 55.77 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4098.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	138.00 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			4071.00	
Shut In Tool	5.00			4076.00	
Hydraulic tool	5.00			4081.00	
Jars	5.00			4086.00	
Safety Joint	3.00			4089.00	
Packer	5.00			4094.00	28.00 Bottom Of Top Packer
Packer	4.00			4098.00	
Stubb	1.00			4099.00	
Perforations	2.00			4101.00	
Change Over Sub	1.00			4102.00	
Drill Pipe	63.00			4165.00	
Change Over Sub	1.00			4166.00	
Recorder	0.00	8672	Inside	4166.00	
Recorder	0.00	6749	Outside	4166.00	
Perforations	37.00			4203.00	
Bullnose	5.00			4208.00	110.00 Bottom Packers & Anchor
Total Tool Length:	138.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65692

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2017.01.01 @ 22:48:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

21000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 50%m 50%w (collars)	0.610
181.00	mud 100%m	2.539
5.00	free oil 100%o	0.070

Total Length: 310.00 ft Total Volume: 3.219 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .721@ 41.2= 21,000 ppm

API= 33 @ 40 corrected to 35 @ 60

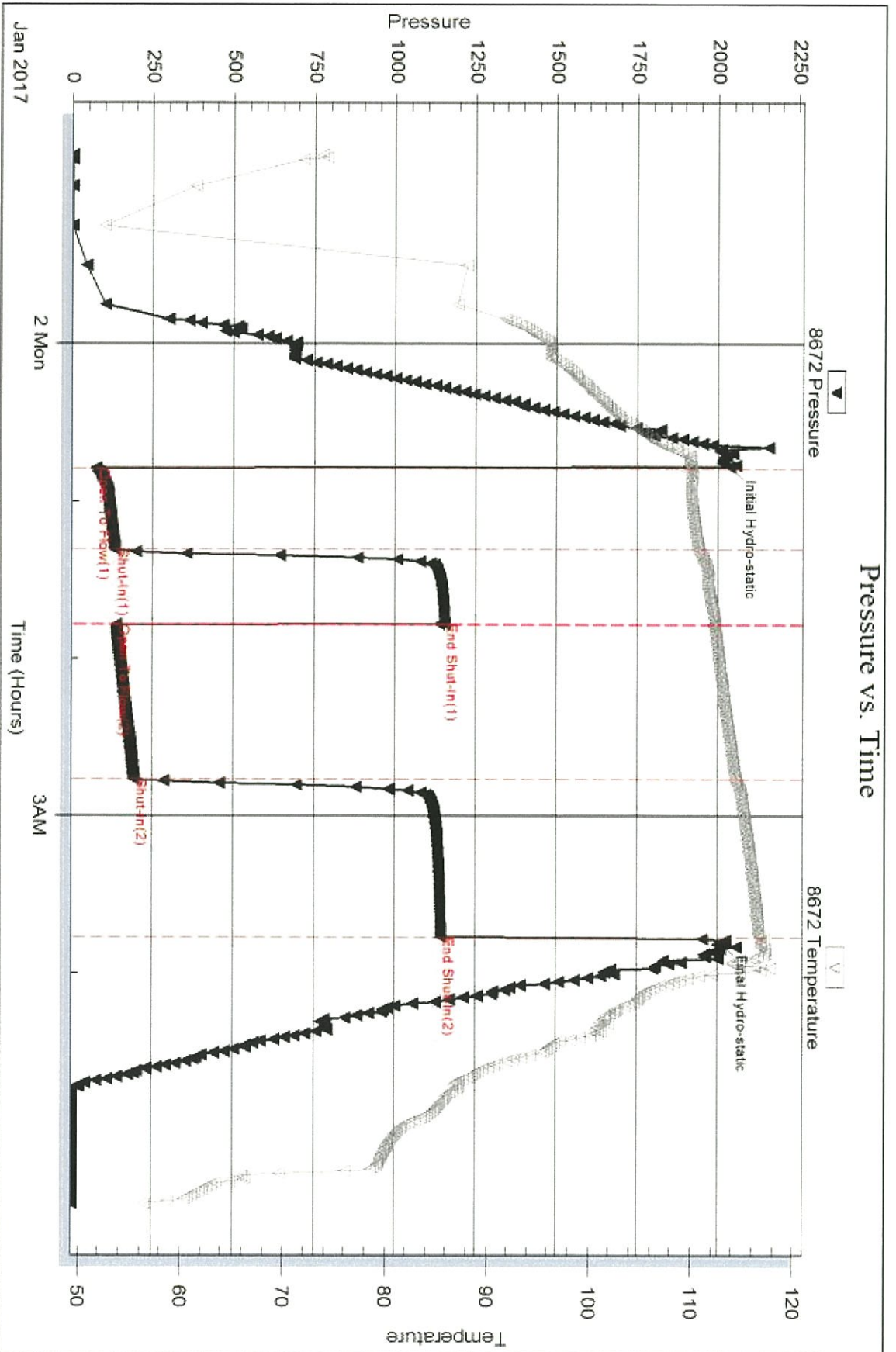
Serial #: 8672

Inside

Palomino Petroleum Inc.

Brown #4

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 65692

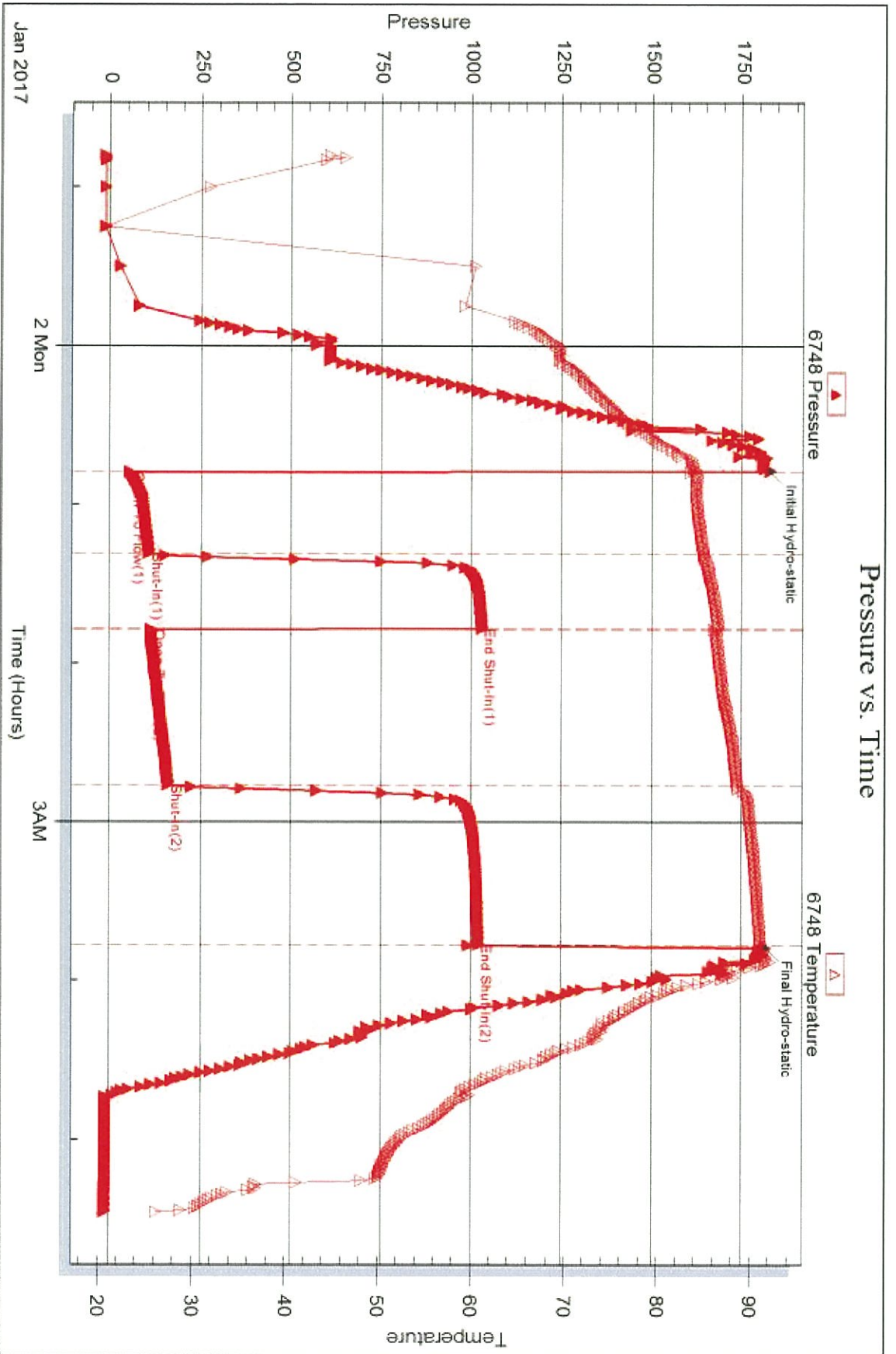
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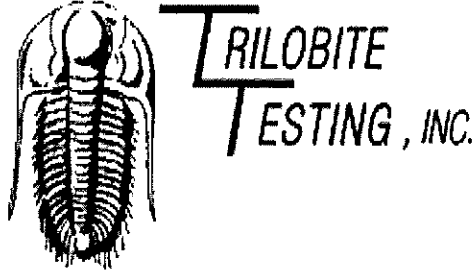
Serial #: 6748

Palorino Petroleum Inc.

Brow ne #4

OST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Brownie #4

7-14-30w Gove,KS

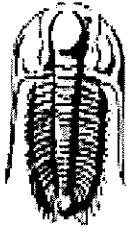
Start Date: 2017.01.03 @ 03:21:15

End Date: 2017.01.03 @ 09:13:15

Job Ticket #: 65693 DST #: 5

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

Printed: 2017.01.05 @ 11:34:47



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65693

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.01.03 @ 03:21:15

GENERAL INFORMATION:

Formation: **Myrick Station - Ft.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:31:15

Time Test Ended: 09:13:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: **4349.00 ft (KB) To 4426.00 ft (KB) (TVD)**

Reference Elevations: 2798.00 ft (KB)

Total Depth: 4426.00 ft (KB) (TVD)

2793.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749

Outside

Press@RunDepth: 51.79 psig @ 4385.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.03

End Date: 2017.01.03

Last Calib.: 2017.01.03

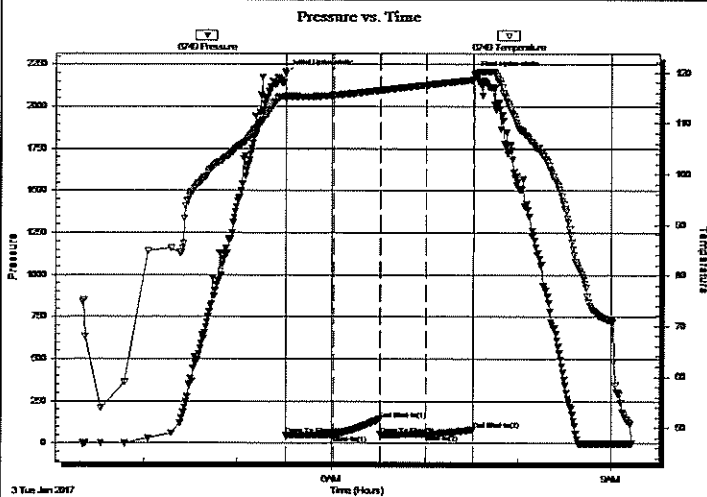
Start Time: 03:21:15

End Time: 09:13:15

Time On Btm: 2017.01.03 @ 05:31:00

Time Off Btm: 2017.01.03 @ 07:31:45

TEST COMMENT: IF: Built to weak surface blow and died in 20 min.
IS: No return blow
FF: No blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.32	115.36	Initial Hydro-static
1	47.15	114.87	Open To Flow (1)
31	49.59	115.52	Shut-In(1)
60	138.03	116.53	End Shut-In(1)
60	50.11	116.52	Open To Flow (2)
90	51.79	117.56	Shut-In(2)
121	79.67	118.58	End Shut-In(2)
121	2190.56	119.57	Final Hydro-static

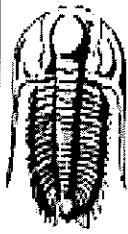
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 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

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65693

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.01.03 @ 03:21:15

GENERAL INFORMATION:

Formation: Myrick Station - Ft.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:31:15

Time Test Ended: 09:13:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4349.00 ft (KB) To 4426.00 ft (KB) (TVD)

Reference Elevations: 2798.00 ft (KB)

Total Depth: 4426.00 ft (KB) (TVD)

2793.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8672

Inside

Press@RunDepth: psig @ 4385.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.03

End Date: 2017.01.03

Last Calib.: 2017.01.03

Start Time: 03:21:15

End Time: 09:13:15

Time On Btm:

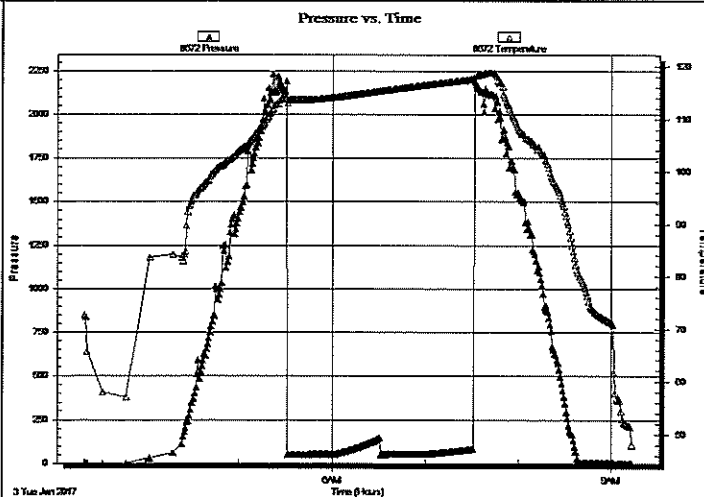
Time Off Btm:

TEST COMMENT: IF: Built to weak surface blow and died in 20 min.

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

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

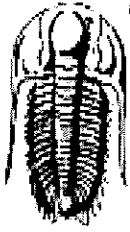
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 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.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65693

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.01.03 @ 03:21:15

Tool Information

Drill Pipe:	Length: 4228.00 ft	Diameter: 3.80 inches	Volume: 59.31 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4349.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	105.00 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			4322.00	
Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Jars	5.00			4337.00	
Safety Joint	3.00			4340.00	
Packer	5.00			4345.00	28.00 Bottom Of Top Packer
Packer	4.00			4349.00	
Stubb	1.00			4350.00	
Perforations	2.00			4352.00	
Change Over Sub	1.00			4353.00	
Drill Pipe	31.00			4384.00	
Change Over Sub	1.00			4385.00	
Recorder	0.00	8672	Inside	4385.00	
Recorder	0.00	6749	Outside	4385.00	
Perforations	36.00			4421.00	
Bullnose	5.00			4426.00	77.00 Bottom Packers & Anchor
Total Tool Length:	105.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65693

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.01.03 @ 03:21:15

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: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 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
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 #: 6749

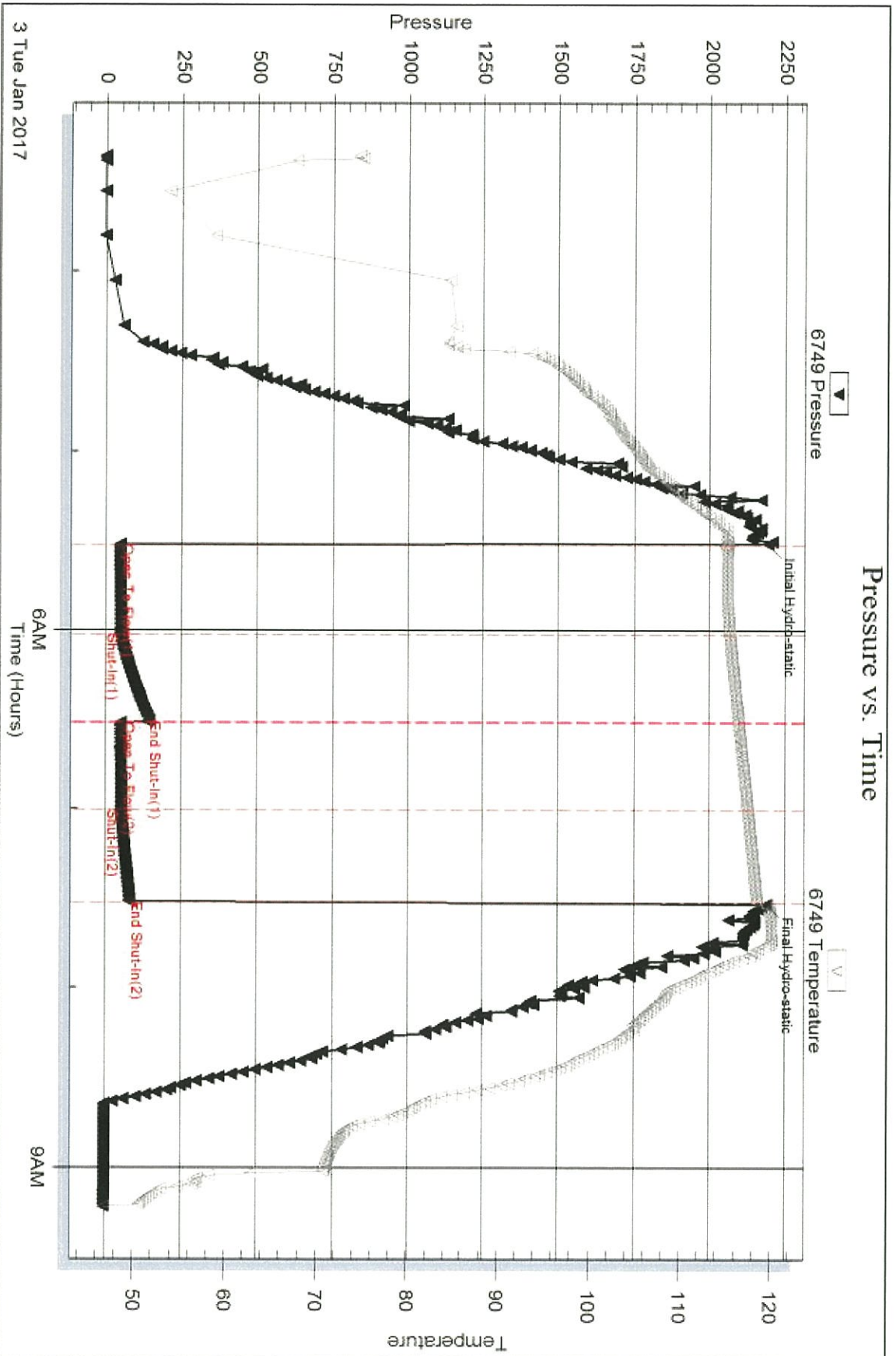
Outside

Palomino Petroleum Inc.

Brow ne #4

OST Test Number: 5

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 65693

Printed 2017.01.05 @ 11:34:48

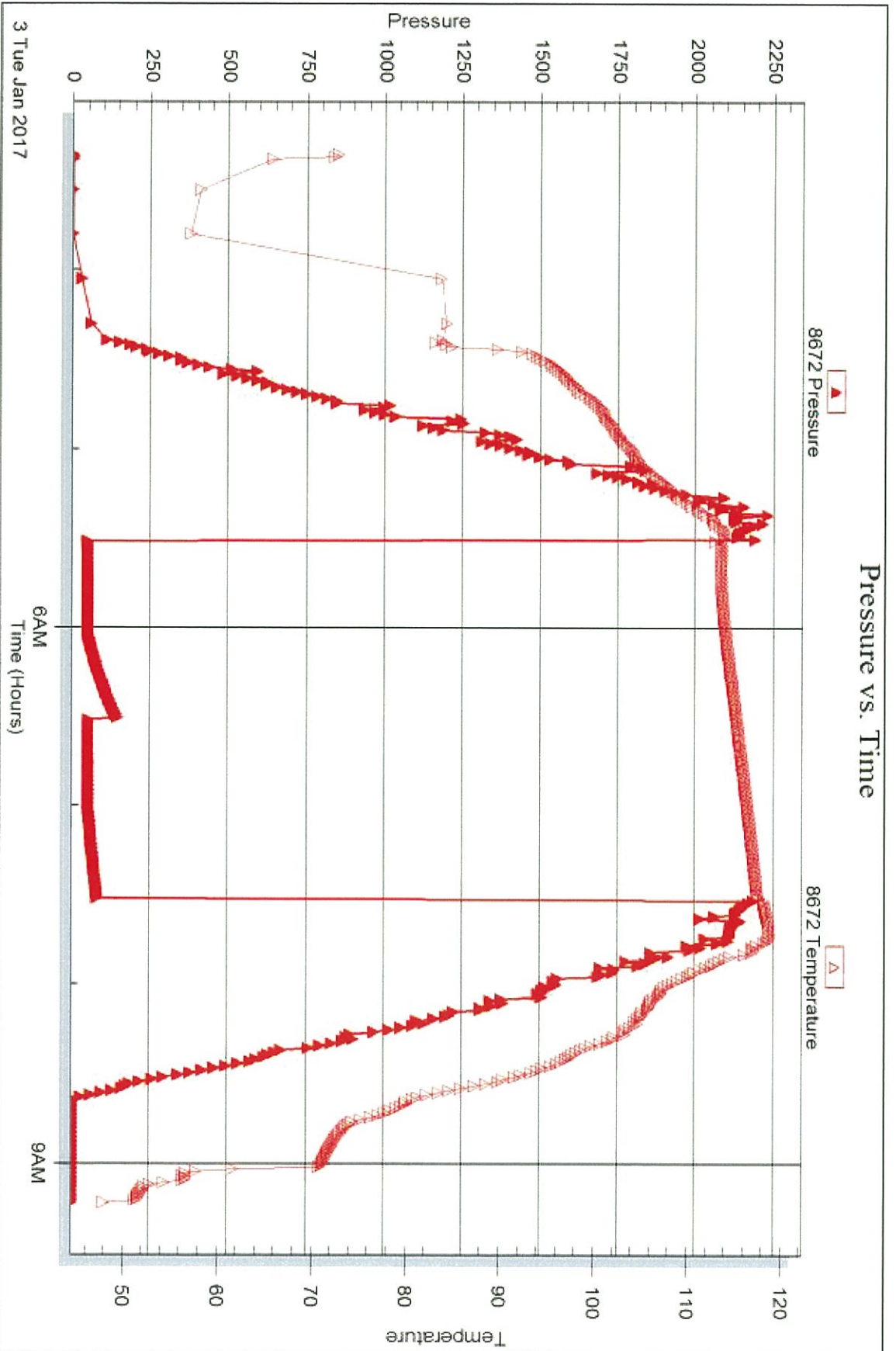
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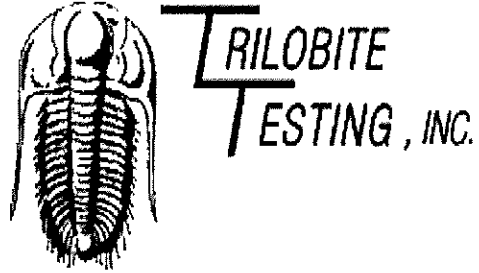
Inside

Palorino Petroleum Inc.

Brown #4

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

Brownie #4

7-14-30w Gove,KS

Start Date: 2017.01.03 @ 19:18:15

End Date: 2017.01.04 @ 00:36:30

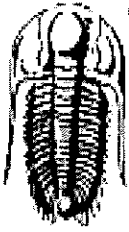
Job Ticket #: 65694 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.01.05 @ 11:34:19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

7-14-30w Gove, KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65694

DST#: 6

ATTN: Andrew Stenzel

Test Start: 2017.01.03 @ 19:18:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:59:15

Time Test Ended: 00:36:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4415.00 ft (KB) To 4482.00 ft (KB) (TVD)

Reference Elevations: 2798.00 ft (KB)

Total Depth: 4415.00 ft (KB) (TVD)

2793.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 99.49 psig @ 4451.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.03

End Date: 2017.01.04

Last Calib.: 2017.01.04

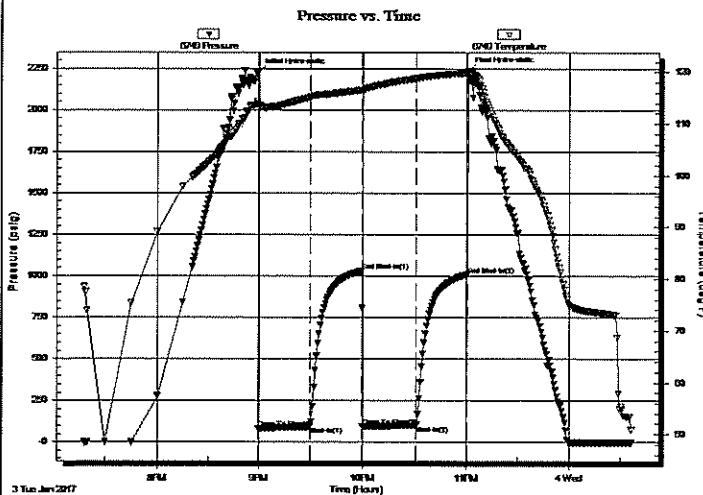
Start Time: 19:18:15

End Time: 00:36:30

Time On Btm: 2017.01.03 @ 20:59:00

Time Off Btm: 2017.01.03 @ 23:01:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2225.77	114.21	Initial Hydro-static
1	82.22	113.68	Open To Flow (1)
31	93.77	115.17	Shut-In(1)
61	1030.00	116.52	End Shut-In(1)
61	94.28	116.31	Open To Flow (2)
92	99.49	118.75	Shut-In(2)
122	1004.40	119.86	End Shut-In(2)
122	2235.97	120.15	Final Hydro-static

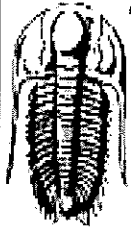
Recovery

Length (ft)	Description	Volume (bbl)
124.00	mud 100%m	0.61

* 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.
4924 SE 84th St.
New ton KS 67114
ATTN: Andrew Stenzel

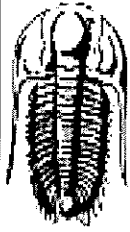
7-14-30w Gove,KS
Brownie #4
Job Ticket: 65694 DST#: 6
Test Start: 2017.01.03 @ 19:18:15

Tool Information

Drill Pipe:	Length: 4290.00 ft	Diameter: 3.80 inches	Volume: 60.18 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4415.00 ft			Final 54000.00 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			4388.00	
Shut In Tool	5.00			4393.00	
Hydraulic tool	5.00			4398.00	
Jars	5.00			4403.00	
Safety Joint	3.00			4406.00	
Packer	5.00			4411.00	28.00 Bottom Of Top Packer
Packer	4.00			4415.00	
Stubb	1.00			4416.00	
Perforations	2.00			4418.00	
Change Over Sub	1.00			4419.00	
Drill Pipe	31.00			4450.00	
Change Over Sub	1.00			4451.00	
Recorder	0.00	8672	Inside	4451.00	
Recorder	0.00	6749	Outside	4451.00	
Perforations	26.00			4477.00	
Bulhnose	5.00			4482.00	67.00 Bottom Packers & Anchor
Total Tool Length:	95.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

7-14-30w Gove,KS

4924 SE 84th St.
New ton KS 67114

Brownie #4

Job Ticket: 65694

DST#: 6

ATTN: Andrew Stenzel

Test Start: 2017.01.03 @ 19:18:15

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mud 100%m	0.610

Total Length: 124.00 ft

Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6749

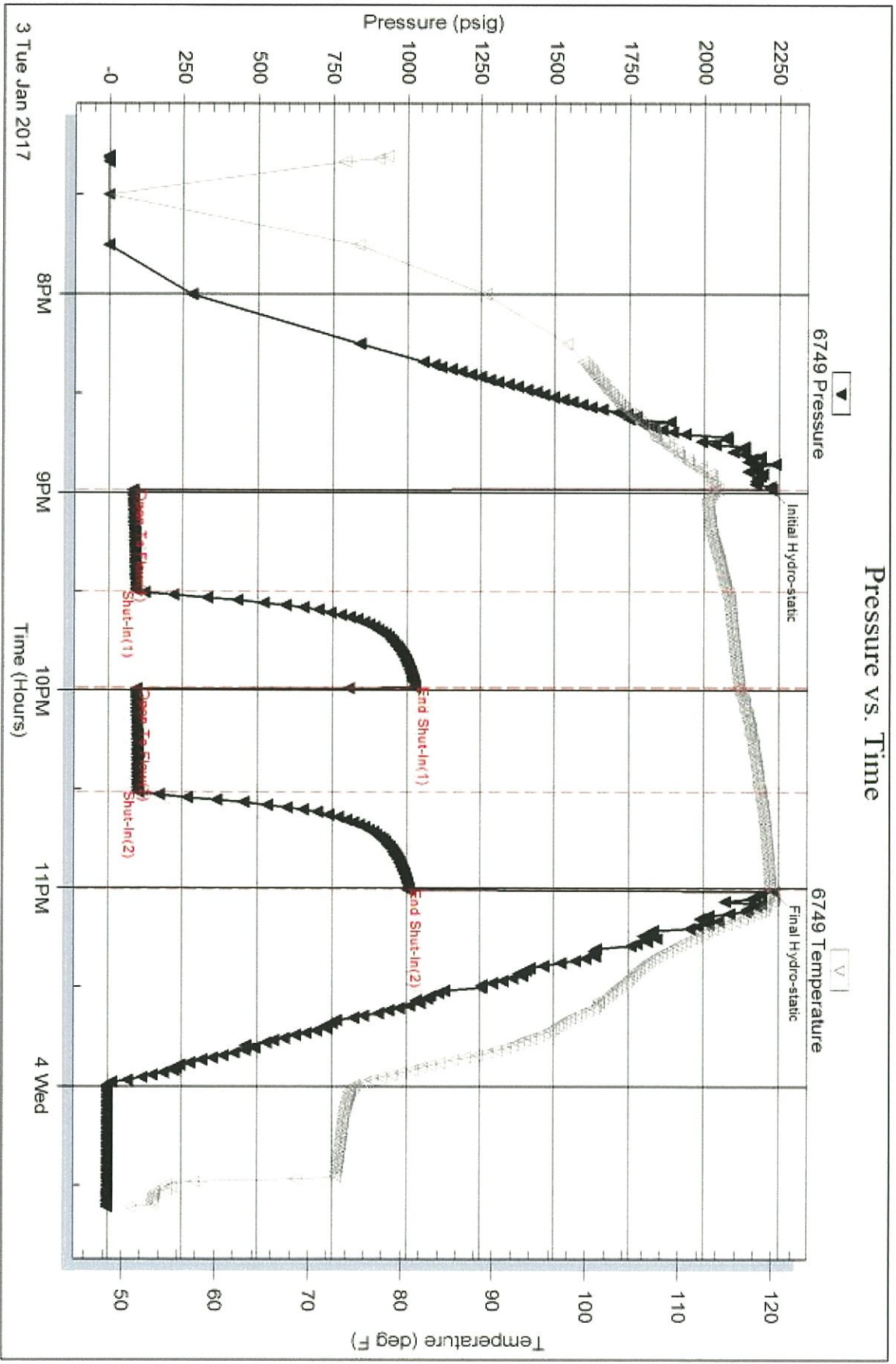
Outside

Palomino Petroleum Inc.

Brow file #4

DST Test Number: 6

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 65694

Printed 2017 01 05 @ 11:34:20

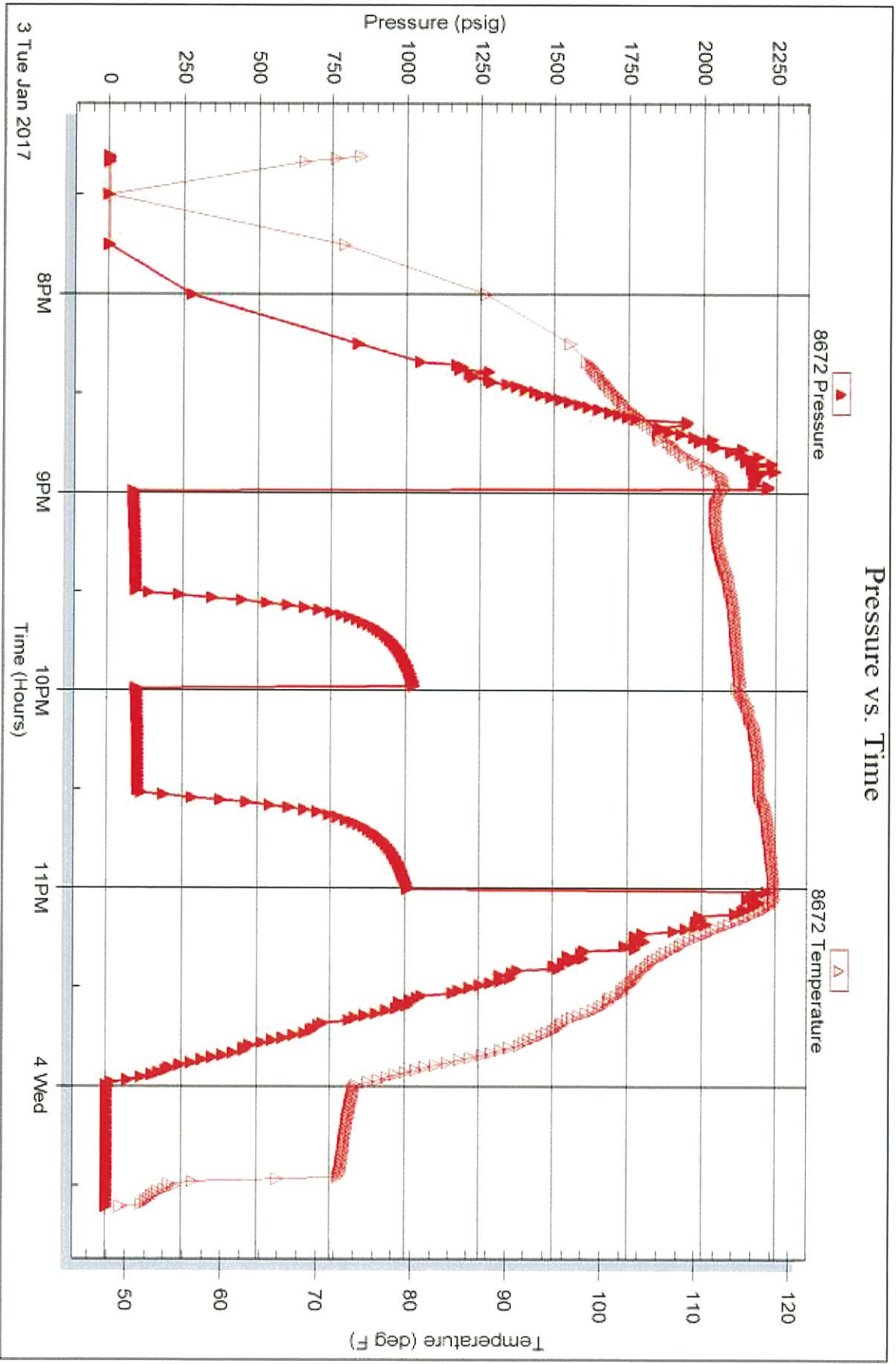
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Inside

Palomino Petroleum Inc.

Brown #4

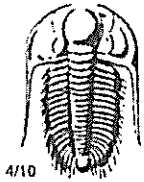
DST Test Number: 6



Tribble Testing, Inc

Ref. No: 65694

Printed 2017.01.05 @ 11:34:20



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65689

Well Name & No. Brownie #4 Test No. 1 Date 12-30-16
 Company Palomino Petroleum Inc Elevation 2798 KB 2793 GL
 Address 4924 SE 84th St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW10
 Location: Sec. 7 Twp. 14 Rge. 30W Co. Crowe State KS

Interval Tested 3881-3916 Zone Tested A
 Anchor Length 35 Drill Pipe Run 3744 Mud Wt. 9.1
 Top Packer Depth 3876 Drill Collars Run 124 Vis 58
 Bottom Packer Depth 3881 Wt. Pipe Run Ø WL 8.8
 Total Depth 3916 Chlorides 2200 ppm System LCM 2

Blow Description IF: BOB in 2 Min
IS: No Return Blow
FF: BOB in 2 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>Feet of WCM</u>		<u>5</u>	<u>95</u>	
<u>186</u>	<u>Feet of MCW</u>		<u>90</u>	<u>10</u>	
<u>620</u>	<u>Feet of SW</u>		<u>100</u>		

Rec Total 1116 BHT Gravity — API RW .635 @ 40.3° F Chlorides 19000 ppm

(A) Initial Hydrostatic 1890
 (B) First Initial Flow 147
 (C) First Final Flow 377
 (D) Initial Shut-In 1163
 (E) Second Initial Flow 388
 (F) Second Final Flow 545
 (G) Final Shut-In 1163
 (H) Final Hydrostatic 1873

Test \$1050.00
 Jars \$250.00
 Safety Joint \$75.00
 Circ Sub NC
 Hourly Standby
 Mileage 90 RT = \$67.50/-
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

T-On Location 16:00
 T-Started 17:49
 T-Open 19:38
 T-Pulled 20:58
 T-Out

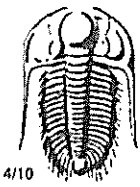
Comments
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1442.50
 MP/DST Disc't

Sub Total \$1442.50/-

Approved By [Signature]

Our Representative [Signature]

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. 65690

Well Name & No. Brownie #4 Test No. 2 Date 12-31-16
 Company Palomino Petroleum Inc Elevation 2798 KB 2793 GL
 Address 4924 SE 84th St Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW10
 Location: Sec. 7 Twp. 14 Rge. 30W Co. Grove State KS

Interval Tested 3911-3952 Zone Tested C
 Anchor Length 41 Drill Pipe Run 3787 Mud Wt. 9.1
 Top Packer Depth 3906 Drill Collars Run 124 Vis 58
 Bottom Packer Depth 3911 Wt. Pipe Run 6 WL 8.8
 Total Depth 3952 Chlorides 2200 ppm System LCM 2

Blow Description IF! Bolt to weak surface blow
IS! No Return Blow
FP! No Blow
FS! No Return Blow

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

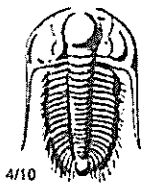
Rec Total 5 BHT 110 Gravity ✓ API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1901 Test 1050.00/- T-On Location 06:04
 (B) First Initial Flow 25 Jars 250.00/- T-Started 06:38
 (C) First Final Flow 28 Safety Joint 75.00/- T-Open 08:08
 (D) Initial Shut-In 320 Circ Sub NC T-Pulled 10:08
 (E) Second Initial Flow 30 Hourly Standby _____ T-Out 12:10
 (F) Second Final Flow 31 Mileage 90RT = 1162.50/- Comments _____
 (G) Final Shut-In 194 Sampler _____
 (H) Final Hydrostatic 1900 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Sub Total 0
 Total 1442.50
 MP/DST Disc't _____

Approved By _____ Our Representative Niko 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. 65691

Well Name & No. Brownie #4 Test No. 3 Date 1-1-17
 Company Palomino Petroleum Inc Elevation 2798 KB 2793 GL
 Address 4924 SE 84th St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW10
 Location: Sec. 7 Twp. 14 Rge. 30W Co. Grove State KS

Interval Tested 4037-4108 Zone Tested H-I
 Anchor Length 71 Drill Pipe Run 3913 Mud Wt. 9.1
 Top Packer Depth 4032 Drill Collars Run 124 Vis 53
 Bottom Packer Depth 4037 Wt. Pipe Run 0 WL 9.6
 Total Depth 4108 Chlorides 4400 ppm System LCM 2
 Blow Description IF: Built to 48" died to weak surface 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</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

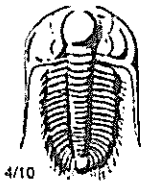
Rec Total 5 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1975</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>04:45</u>
(B) First Initial Flow <u>52</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>05:09</u>
(C) First Final Flow <u>53</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>06:57</u>
(D) Initial Shut-In <u>464</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>08:57</u>
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:36</u>
(F) Second Final Flow <u>53</u>	<input checked="" type="checkbox"/> Mileage <u>90RT = 467.50/-</u>	Comments
(G) Final Shut-In <u>421</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1981</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Initial Open <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	Total <u>1542.50</u>
Final Flow <u>30</u>	Sub Total <u>11542.50/-</u>	MP/DST Disc't
Final Shut-In <u>30</u>		

Approved By _____

Our Representative Mike Bobich

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65692

Well Name & No. Brownie #4 Test No. 4 Date 1-1-17
 Company Palomino Petroleum Inc Elevation 2798 KB 2793 GL
 Address 4924 SE 84th St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW10
 Location: Sec. 7 Twp. 14 Rge. 30w Co. Gove State KS

Interval Tested 4098-4208 Zone Tested JKL
 Anchor Length 110 Drill Pipe Run 3976 Mud Wt. 9.2
 Top Packer Depth 4093 Drill Collars Run 124 Vis 52
 Bottom Packer Depth 4098 Wt. Pipe Run Ø WL 8.0
 Total Depth 4208 Chlorides 4200 ppm System LCM 1

Blow Description IF: Built to 8" Blow
IS: No Return Blow
FF: BOB in 44 min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	Feet of <u>Free Oil</u>	<u>100</u>			
<u>187</u>	Feet of <u>MUD</u>			<u>100</u>	
<u>124</u>	Feet of <u>MCW</u>		<u>50</u>	<u>50</u>	
	Feet of				
	Feet of				

Rec Total 310 BHT 91 Gravity 35 API RW 1721 @ 41.2 °F Chlorides 21000 ppm

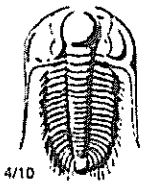
(A) Initial Hydrostatic	<u>1827</u>	<u>2036</u>
(B) First Initial Flow	<u>55</u>	<u>75</u>
(C) First Final Flow	<u>107</u>	<u>133</u>
(D) Initial Shut-In	<u>1030</u>	<u>1154</u>
(E) Second Initial Flow	<u>113</u>	<u>138</u>
(F) Second Final Flow	<u>161</u>	<u>192</u>
(G) Final Shut-In	<u>1021</u>	<u>1143</u>
(H) Final Hydrostatic	<u>1817</u>	<u>2010</u>

Test 1150.00 T-On Location 22:00
 Jars 250.00 T-Started 22:48
 Safety Joint 75.00 T-Open 12:47
 Circ Sub T-Pulled 03:47
 Hourly Standby T-Out 05:27
 Mileage 90 RT = \$67.50 Comments _____
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total \$1542.50 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Approved By _____ Our Representative Mike Burt

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65693

Well Name & No. Brownie #4 Test No. 5 Date 1-3-17
 Company Palomino Petroleum Inc. Elevation 2798 KB 2793 GL
 Address 4924 SE 84th St, Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW10
 Location: Sec. 7 Twp. 14 Rge. 30W Co. Grove State KS

Interval Tested 4349-4426 Zone Tested Myrick - Ft. Scott
 Anchor Length 77 Drill Pipe Run 4228 Mud Wt. 9.2
 Top Packer Depth 4344 Drill Collars Run 124 Vis 40
 Bottom Packer Depth 4349 Wt. Pipe Run 0 WL 8.8
 Total Depth 4426 Chlorides 4500 ppm System LCM 2
 Blow Description IF: Built to weak surface Blow & Died in 20 Min
IS: NO Return Blow
FF: NO Blow
FS: NO Return Blow

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

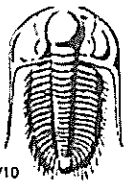
Rec Total 5 BHT 118 Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic <u>2194</u>	<input checked="" type="checkbox"/> Test <u>\$1150.00/-</u>	T-On Location <u>02:38</u>
(B) First Initial Flow <u>47</u>	<input checked="" type="checkbox"/> Jars <u>\$29.00/-</u>	T-Started <u>03:21</u>
(C) First Final Flow <u>49</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00/-</u>	T-Open <u>05:30</u>
(D) Initial Shut-In <u>138</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>07:30</u>
(E) Second Initial Flow <u>50</u>	<input type="checkbox"/> Hourly Standby <u> </u>	T-Out <u>09:13</u>
(F) Second Final Flow <u>51</u>	<input checked="" type="checkbox"/> Mileage <u>90 RT = \$67.50/-</u>	Comments <u> </u>
(G) Final Shut-In <u>79</u>	<input type="checkbox"/> Sampler <u> </u>	<u> </u>
(H) Final Hydrostatic <u>2190</u>	<input type="checkbox"/> Straddle <u> </u>	<u> </u>

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u> </u>	<input type="checkbox"/> Ruined Shale Packer <u> </u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer <u> </u>	<input type="checkbox"/> Ruined Packer <u> </u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder <u> </u>	<input type="checkbox"/> Extra Copies <u> </u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby <u> </u>	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility <u> </u>	Total <u>1542.50</u>
	Sub.Total <u>\$1,542.50/-</u>	MP/DST Disc't <u> </u>

Approved By Our Representative Mike Polats

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65694

Well Name & No. Brownie #4 Test No. 6 Date 1-3-17
 Company Palomino Petroleum Inc Elevation 2798 KB 2793 GL
 Address 4924 SE 84th St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW10
 Location: Sec. 7 Twp. 14 Rge. 30W Co. Grove State KS

Interval Tested 4415-4482 Zone Tested Johnson
 Anchor Length 67 Drill Pipe Run 4290 Mud Wt. 9.3
 Top Packer Depth 4410 Drill Collars Run 124 Vis 56
 Bottom Packer Depth 4415 Wt. Pipe Run 0 WL 10.4
 Total Depth 4482 Chlorides 4100 ppm System LCM 1
 Blow Description EF: Built to 1/8" Blow
IS: NO Return Blow
FF: NO Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>MUD</u>			<u>100</u>	

Rec Total 124 BHT 120 Gravity API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 2225 Test 1180.00/- T-On Location 18:30
 (B) First Initial Flow 82 Jars 1250.00/- T-Started 19:18
 (C) First Final Flow 93 Safety Joint 75.00/- T-Open 21:00
 (D) Initial Shut-In 1030 Circ Sub NC T-Pulled 23:00
 (E) Second Initial Flow 94 Hourly Standby T-Out 00:36
 (F) Second Final Flow 99 Mileage 90RT = 67.80/- Comments Loaded tools
 (G) Final Shut-In 1004 Sampler +67.50 1-5-17 @ 05:00
 (H) Final Hydrostatic 2235 Straddle
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1610.00
 MP/DST Disc't

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

Accessibility 1610.00
 Sub Total 1542.50/-

Approved By _____ Our Representative Mike Roberts
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