

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

RECEIVED

OCT 10 2015

MAIN OFFICE

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

Invoice Invoice# 805989

Invoice Date: 10/07/15 Terms: Net 30 Page 1

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

JONES-JENSEN #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	30.000	150.15
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	30.000	462.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	260.000	23.0000	30.000	4,186.00

Subtotal 8,354.50  
 Discounted Amount 2,506.35  
 SubTotal After Discount 5,848.15

Amount Due 8,862.80 If paid after 11/06/15

Tax: 355.81  
 Total: 6,203.96



**CONSOLIDATED**  
Oil Well Services, LLC

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

439

4330  
Invoice # 805989

TICKET NUMBER 49536

LOCATION Oakley ks

FOREMAN Cory Davis

FIELD TICKET & TREATMENT REPORT

CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-6-15	1285	Jones-Jensen #1	12	45	37W	cheyenne
CUSTOMER Palomino P.		Brewster N to RD				
MAILING ADDRESS		L 3 west 1 south E into				
CITY		STATE	ZIP CODE	TRUCK#	DRIVER	TRUCK#
				445	Cody R	
				693	Rob S	
				512		

JOB TYPE	Surface	HOLE SIZE	12 1/4	HOLE DEPTH	370	CASING SIZE & WEIGHT	8 5/8 - 24#
CASING DEPTH	370	DRILL PIPE		TUBING		OTHER	
SLURRY WEIGHT	14.8	SLURRY VOL	1.24	WATER gal/sk	6.5	CEMENT LEFT in CASING	
DISPLACEMENT	22 BBL	DISPLACEMENT PSI		MIX PSI		RATE	

REMARKS: Safety meeting - rig up on wu8 - circulate with rig pump - Hook up to pump  
truck mix 260 sks class cement with 3% C.C. 2% gel wash up pump & line & Displace  
22 BBL water rig down

Cement D/D 495

Thanks Cory & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	1	PUMP CHARGE	1,500.00	1,500.00
CE 0002	30	MILEAGE	7.15	214.50
CE 0710	12.22	Cement Delivery Charge Minimum	1.75	214.00
CC 5871	260 sks	Surface Blend II	23.00	5980.00
			sub total	8354.50
			30% less	2506.35
			sub total	5848.15
			SALES TAX	355.81
			ESTIMATED TOTAL	6203.96

Ravin 3737

AUTHORIZATION

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.



**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

MAIN OFFICE

OCT 21 2015

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

Invoice

Invoice#

806076

Invoice Date: 10/16/15

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET  
NEWTON KS 67114-8827  
USA

Jones-Jensen #2

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	30.000	150.15
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	30.000	462.00
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.7500	30.000	2,814.00
CC6075	Celloflake	60.000	2.0000	30.000	84.00

Subtotal 6,514.50

Discounted Amount 1,954.35

SubTotal After Discount 4,560.15

Amount Due 6,866.40 If paid after 11/15/15

Tax: 246.33

Total: 4,806.48



PC Box 81, Chanute, KS 66720  
620-431-9210 or 800-467-8676

4510

4416

Invoice #806076

TICKET NUMBER 49537  
LOCATION Oakley ks.  
FOREMAN Cory Davis

FIELD TICKET & TREATMENT REPORT  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
10/11/15	6285	Jones-Jensen #2	12	45	37v	cheyenne	
CUSTOMER Palomino P.		Brewster NT to RDL 3 west 1 south E into		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				731	Jermy R.		
CITY		STATE		693	Keith C.		
ZIP CODE							

JOB TYPE P.T.A. HOLE SIZE 7 7/8 HOLE DEPTH 3150 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting - rig up on ww8 - Plug as ordered

- 1 50 sks @ 3150' 60/40 4% gal 1/4 # fl seal
  - 2 100 sks @ 2225'
  - 3 50 sks @ 420'
  - 4 10 sks @ 40'
  - R 30 sks @
  - Total of 240 sks
- Wash up rig down

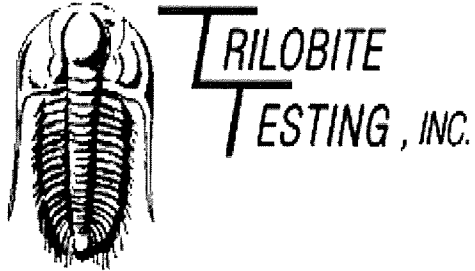
Thank You - Casey & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CE0002	30	MILEAGE	7.15	214.50
CE0711	10.32 ton	Cement Delivery Charge Min	1.75	660.00
CC5820	240 sks	Lite-weight Blend (60/40 4% gal)	16.75	4,020.00
CC6075	60 #	fl seal	2.00	120.00
			subtotal	6,514.50
			30% less	1,954.35
			subtotal	4,560.15
			SALES TAX	246.33
			ESTIMATED TOTAL	4806.48

Ravin 3737

AUTHORIZATION [Signature] 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: Sean Deenihan

### **Jones-Jensen #1**

#### **12-4s-37w Cheyenne,KS**

Start Date: 2015.10.10 @ 20:29:00

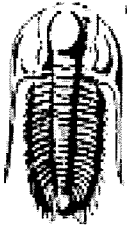
End Date: 2015.10.11 @ 01:07:30

Job Ticket #: 49420                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.16 @ 10:51:32

Palomino Petroleum, Inc. 12-4s-37w Cheyenne,KS Jones-Jensen #1 DST # 1 LKC "B" 2015.10.10



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne, KS**

4924 SE 84th St.  
New ton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49420

**DST#: 1**

ATTN: Sean Deenihan

Test Start: 2015.10.10 @ 20:29:00

## GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:04:40

Time Test Ended: 01:07:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: **4272.00 ft (KB) To 4342.00 ft (KB) (TVD)**

Reference Elevations: 3381.00 ft (KB)

Total Depth: 4342.00 ft (KB) (TVD)

3376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8653 Outside**

Press@RunDepth: 40.10 psig @ 4273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.10 End Date: 2015.10.11

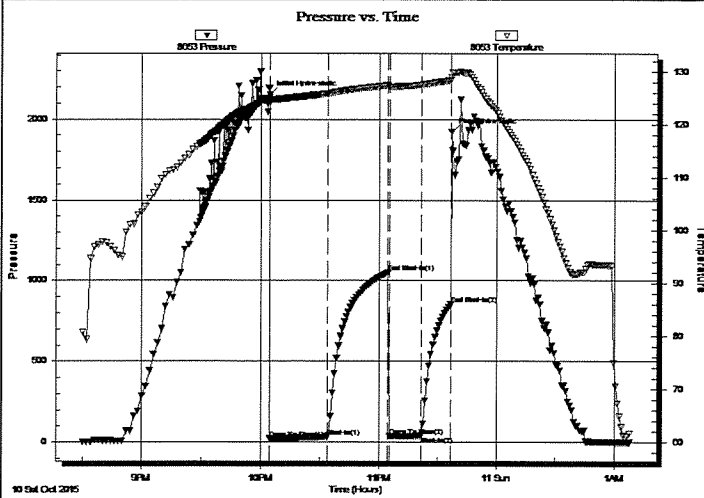
Last Calib.: 2015.10.11

Start Time: 20:30:00 End Time: 01:07:30

Time On Btm: 2015.10.10 @ 22:04:30

Time Off Btm: 2015.10.10 @ 23:37:00

TEST COMMENT: 30 - IF- 1/8" Blow built to 1 1/2"  
30 - IS- No Return  
15 - FF- No Blow  
15 - FS- No Return



## PRESSURE SUMMARY

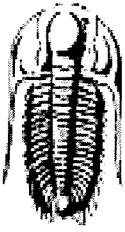
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2150.22	125.12	Initial Hydro-static
1	22.18	124.16	Open To Flow (1)
30	33.06	125.87	Shut-In(1)
60	1051.91	127.43	End Shut-In(1)
61	35.98	127.19	Open To Flow (2)
77	40.10	127.53	Shut-In(2)
92	851.89	128.35	End Shut-In(2)
93	1919.57	128.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100M	0.10
0.00	Show of oil spots in tool	0.00

## 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: Sean Deenihan

12-4s-37w Cheyenne, KS
Jones-Jensen #1
Job Ticket: 49420 DST#: 1
Test Start: 2015.10.10 @ 20:29:00

GENERAL INFORMATION:

Formation: LKC "B"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:04:40
Time Test Ended: 01:07:30
Interval: 4272.00 ft (KB) To 4342.00 ft (KB) (TVD)
Total Depth: 4342.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82
Reference Elevations: 3381.00 ft (KB) 3376.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8520 Inside
Press@RunDepth: psig @ 4273.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.10.10 End Date: 2015.10.11 Last Calib.: 2015.10.11
Start Time: 20:30:00 End Time: 01:08:30 Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF- 1/8" Blow built to 1 1/2"
30 - IS- No Return
15 - FF- No Blow
15 - FS- No Return

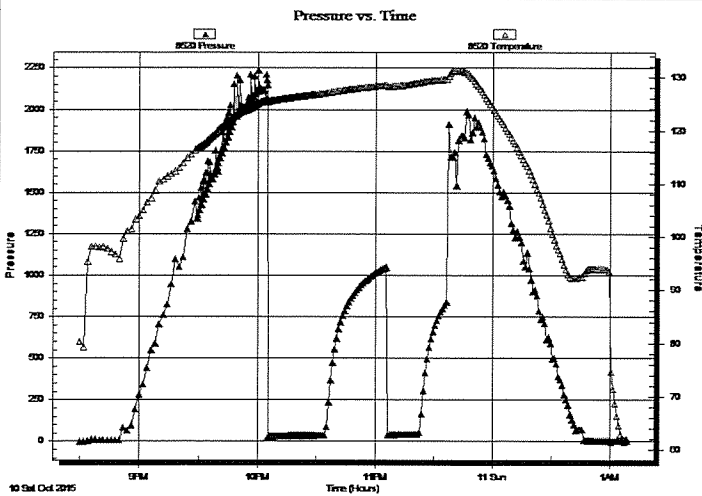
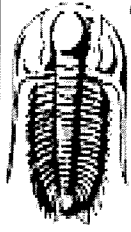


Table with 4 columns: Time (Min.), Pressure (psig), Temp (deg F), and Annotation.

Table titled 'Recovery' with columns: Length (ft), Description, and Volume (bbl).

Table titled 'Gas Rates' with columns: Choke (inches), Pressure (psig), and Gas Rate (Mcf/d).



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne,KS**

4924 SE 84th St.  
New ton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49420

**DST#: 1**

ATTN: Sean Deenihan

Test Start: 2015.10.10 @ 20:29:00

**Tool Information**

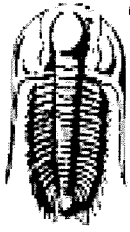
Drill Pipe:	Length: 4133.00 ft	Diameter: 3.80 inches	Volume: 57.98 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.57 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4272.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 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			4248.00	
Shut In Tool	5.00			4253.00	
Hydraulic tool	5.00			4258.00	
Jars	5.00			4263.00	
Packer	5.00			4268.00	25.00 Bottom Of Top Packer
Packer	4.00			4272.00	
Stubb	1.00			4273.00	
Recorder	0.00	8653	Outside	4273.00	
Recorder	0.00	8520	Inside	4273.00	
Perforations	2.00			4275.00	
Change Over Sub	1.00			4276.00	
Drill Pipe	62.00			4338.00	
Change Over Sub	1.00			4339.00	
Bullnose	3.00			4342.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 95.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne, KS**

4924 SE 84th St.  
New ton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49420

**DST#: 1**

ATTN: Sean Deenihan

Test Start: 2015.10.10 @ 20:29:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100M	0.098
0.00	Show of oil spots in tool	0.000

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

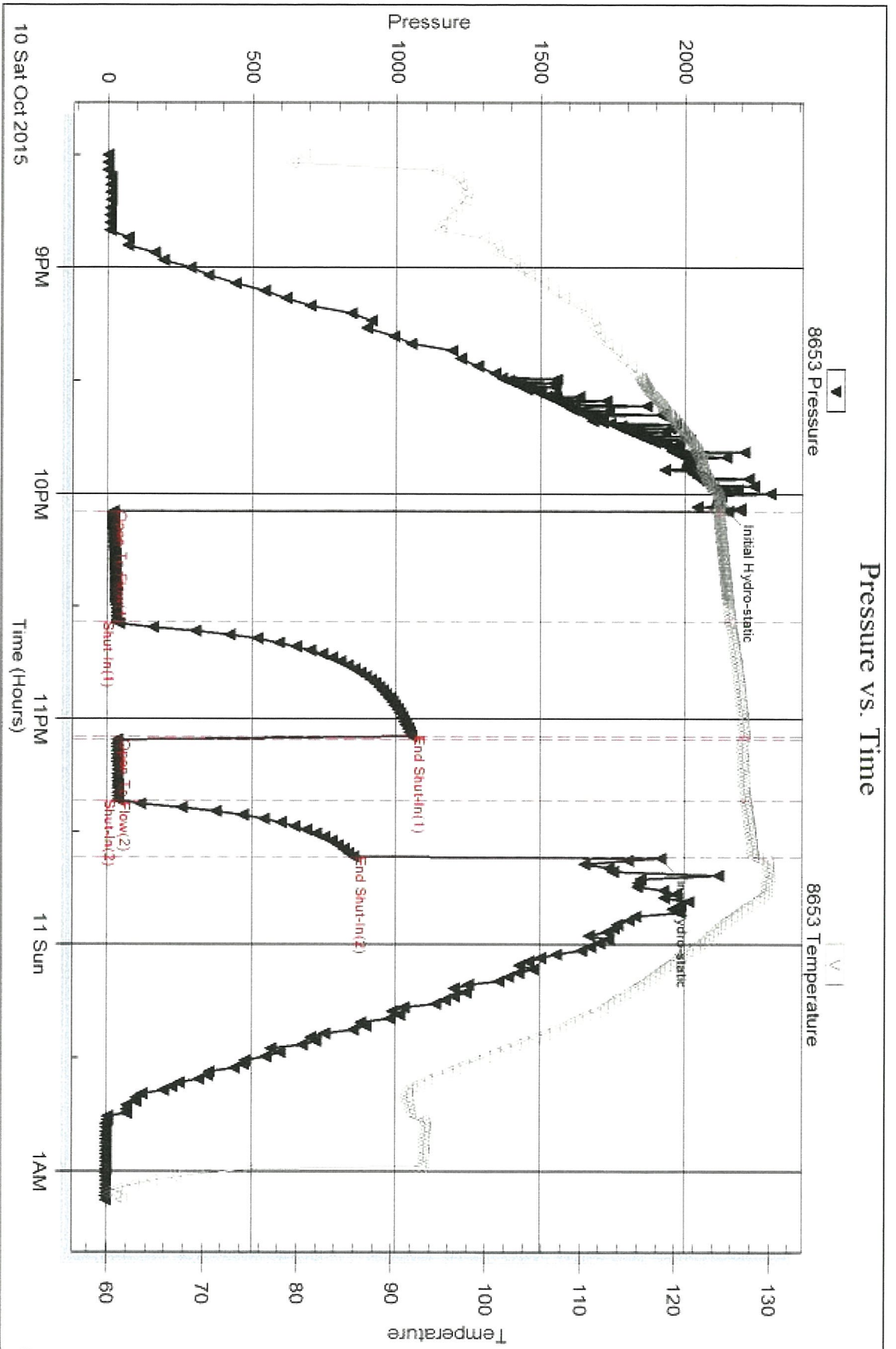
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



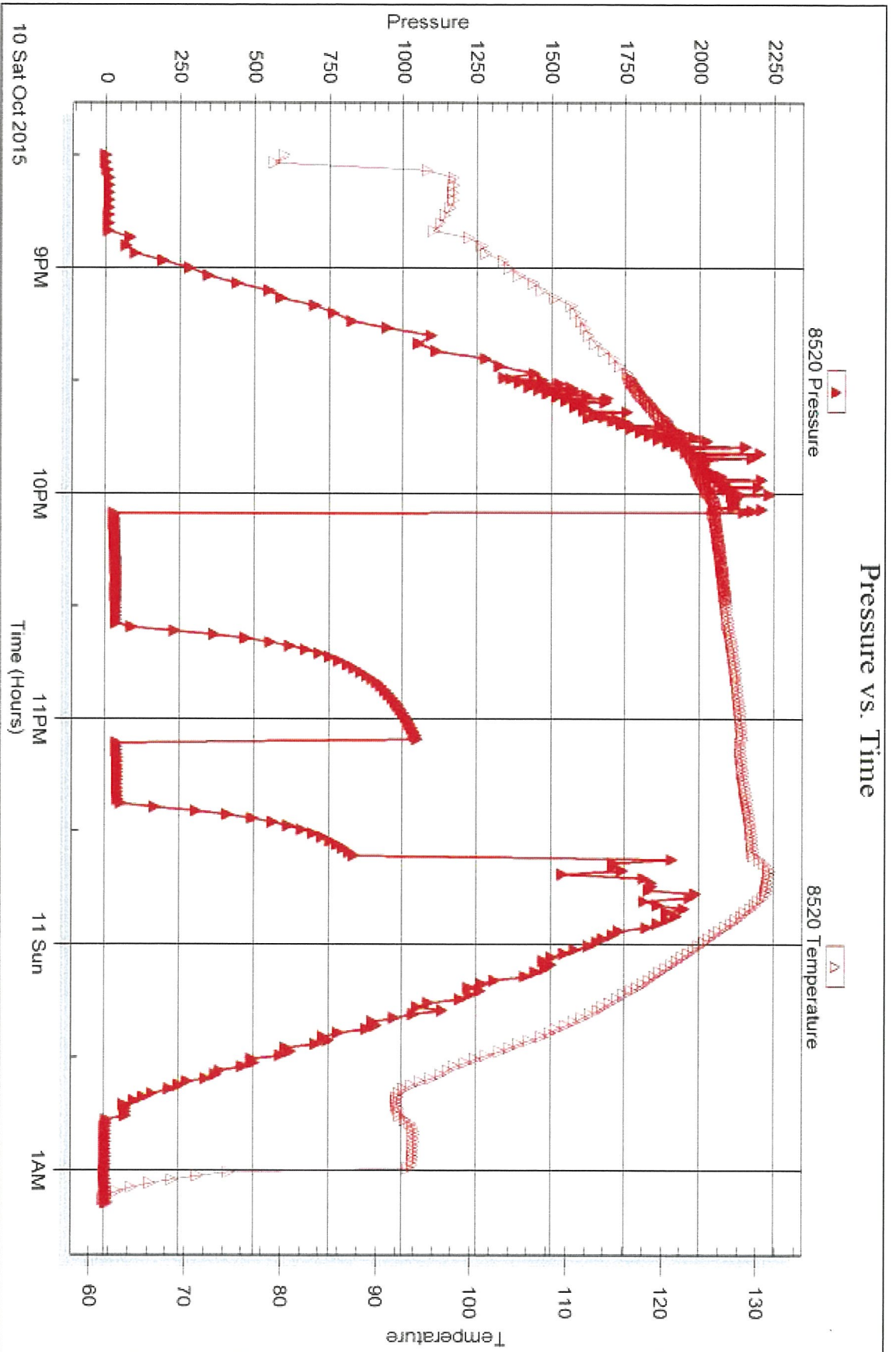
Serial #: 8520

Inside

Palomino Petroleum, Inc.

Jones-Jensen #1

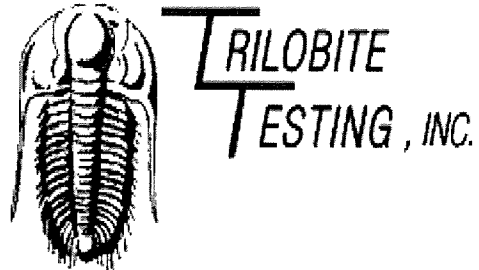
DST Test Number: 1



Tricobite Testing, Inc

Ref. No: 49420

Printed 2015 10 16 @ 10 51 33



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.  
Newton, KS 67114

ATTN: Sean Deenihan

### **Jones-Jensen #1**

#### **12-4s-37w Cheyenne,KS**

Start Date: 2015.10.11 @ 11:15:00

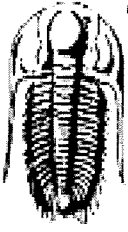
End Date: 2015.10.11 @ 16:06:00

Job Ticket #: 49421                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.16 @ 10:43:50

Palomino Petroleum, Inc. 12-4s-37w Cheyenne,KS Jones-Jensen #1 DST # 2 LKC "J" 2015.10.11



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne, KS**

4924 SE 84th St.  
Newton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49421

**DST#: 2**

ATTN: Sean Deenihan

Test Start: 2015.10.11 @ 11:15:00

## GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:54:10

Time Test Ended: 16:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: **4379.00 ft (KB) To 4456.00 ft (KB) (TVD)**

Reference Elevations: 3381.00 ft (KB)

Total Depth: 4456.00 ft (KB) (TVD)

3376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8653**

**Outside**

Press@RunDepth: 27.38 psig @ 4380.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.11

End Date:

2015.10.11

Last Calib.: 2015.10.11

Start Time: 11:16:00

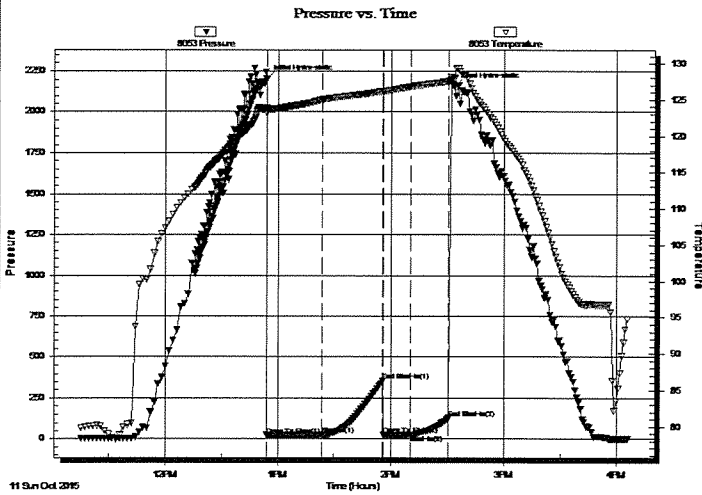
End Time:

16:06:00

Time On Btm: 2015.10.11 @ 12:54:00

Time Off Btm: 2015.10.11 @ 14:33:30

TEST COMMENT: 30 - IF- 1/8" Blow built to 1/2"  
30 - IS- No Return  
15 - FF- No Blow  
15 - FS- No Return



## PRESSURE SUMMARY

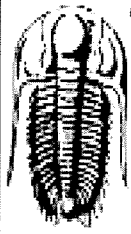
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.32	123.94	Initial Hydro-static
1	23.64	123.09	Open To Flow (1)
30	25.58	125.02	Shut-In(1)
62	353.59	126.17	End Shut-In(1)
62	26.19	126.13	Open To Flow (2)
77	27.38	126.82	Shut-In(2)
97	129.22	127.58	End Shut-In(2)
100	2158.11	127.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100M	0.05

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne,KS**

4924 SE 84th St.  
New ton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49421

**DST#: 2**

ATTN: Sean Deenihan

Test Start: 2015.10.11 @ 11:15:00

## GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: **No** Whipstock: **ft (KB)**

Test Type: **Conventional Bottom Hole (Initial)**

Time Tool Opened: **12:54:10**

Tester: **Kevin Mack**

Time Test Ended: **16:06:00**

Unit No: **82**

Interval: **4379.00 ft (KB) To 4456.00 ft (KB) (TVD)**

Reference Elevations: **3381.00 ft (KB)**

Total Depth: **4456.00 ft (KB) (TVD)**

**3376.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **5.00 ft**

**Serial #: 8520** Inside

Press@RunDepth: **psig @ 4380.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2015.10.11**

End Date:

**2015.10.11**

Last Calib.:

**2015.10.11**

Start Time: **11:16:00**

End Time:

**16:07:00**

Time On Btm:

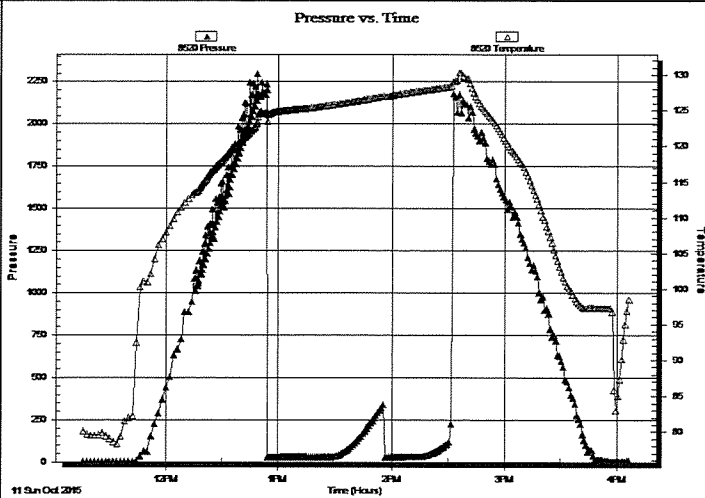
Time Off Btm:

TEST COMMENT: **30 - IF- 1/8" Blow built to 1/2"**

**30 - IS- No Return**

**15 - FF- No Blow**

**15 - FS- No Return**



## PRESSURE SUMMARY

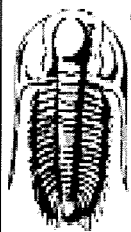
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100M	0.05

## Gas Rates

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



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

12-4s-37w Cheyenne, KS

4924 SE 84th St.  
New ton, KS 67114

Jones-Jensen #1

Job Ticket: 49421

DST#: 2

ATTN: Sean Deenihan

Test Start: 2015.10.11 @ 11:15:00

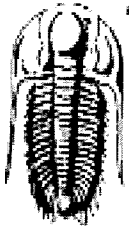
### Tool Information

Drill Pipe:	Length: 4254.00 ft	Diameter: 3.80 inches	Volume: 59.67 bbl	Tool Weight: 2500.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 60.26 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4379.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	102.00 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			4355.00	
Shut In Tool	5.00			4360.00	
Hydraulic tool	5.00			4365.00	
Jars	5.00			4370.00	
Packer	5.00			4375.00	25.00 Bottom Of Top Packer
Packer	4.00			4379.00	
Packer - Shale	0.00			4379.00	
Stubb	1.00			4380.00	
Recorder	0.00	8653	Outside	4380.00	
Recorder	0.00	8520	Inside	4380.00	
Perforations	8.00			4388.00	
Change Over Sub	1.00			4389.00	
Drill Pipe	63.00			4452.00	
Change Over Sub	1.00			4453.00	
Bullnose	3.00			4456.00	77.00 Bottom Packers & Anchor

**Total Tool Length: 102.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne, KS**

4924 SE 84th St.  
Newton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49421

**DST#: 2**

ATTN: Sean Deenihan

Test Start: 2015.10.11 @ 11:15:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API:
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100M	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:

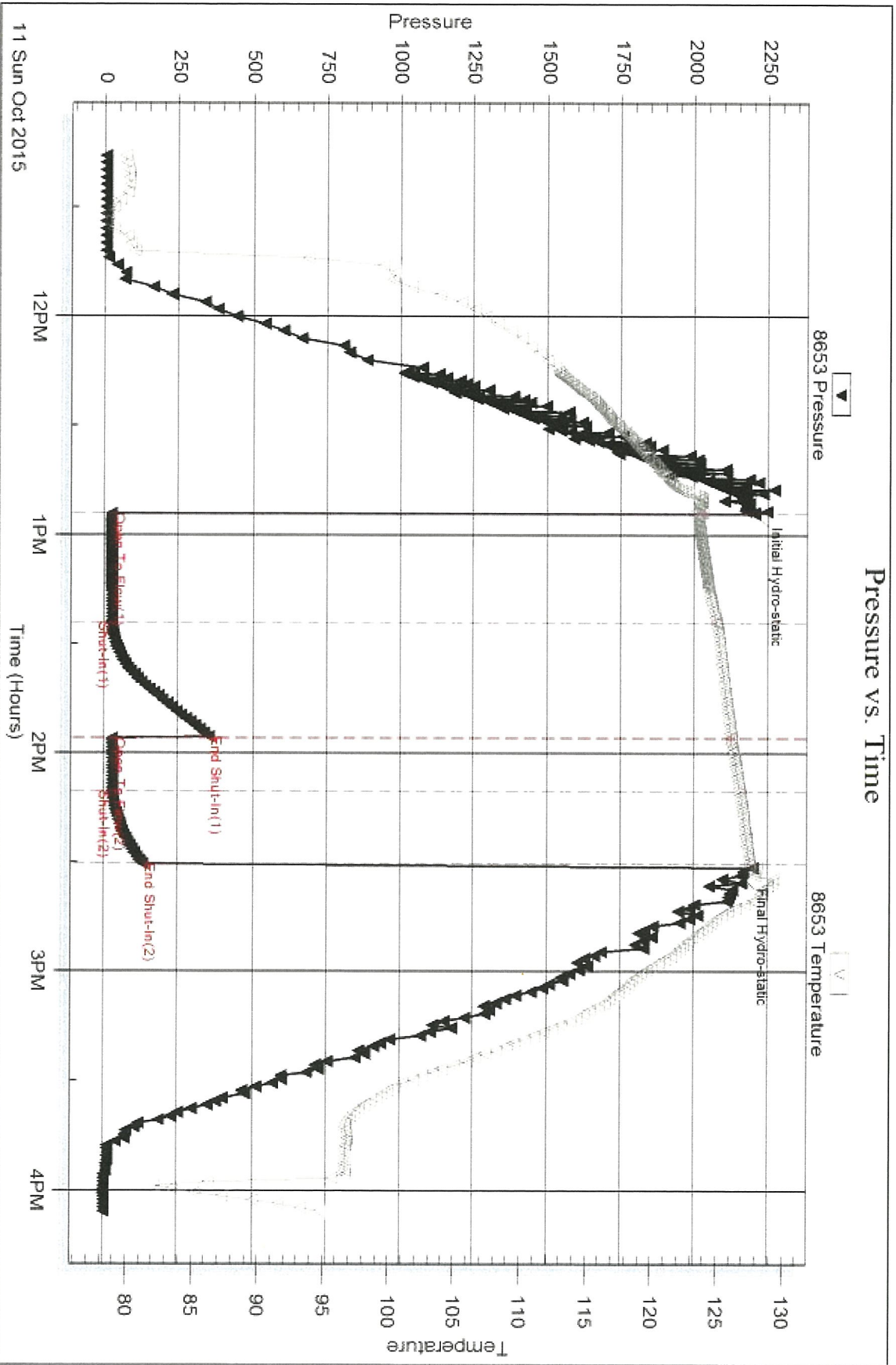


Serial #: 8653

Outside Palomino Petroleum, Inc.

Jones-Jensen #1

DST Test Number: 2



Triacble Testing, Inc

Ref. No: 49421

Printed 2015 10 16 @ 10:43:51

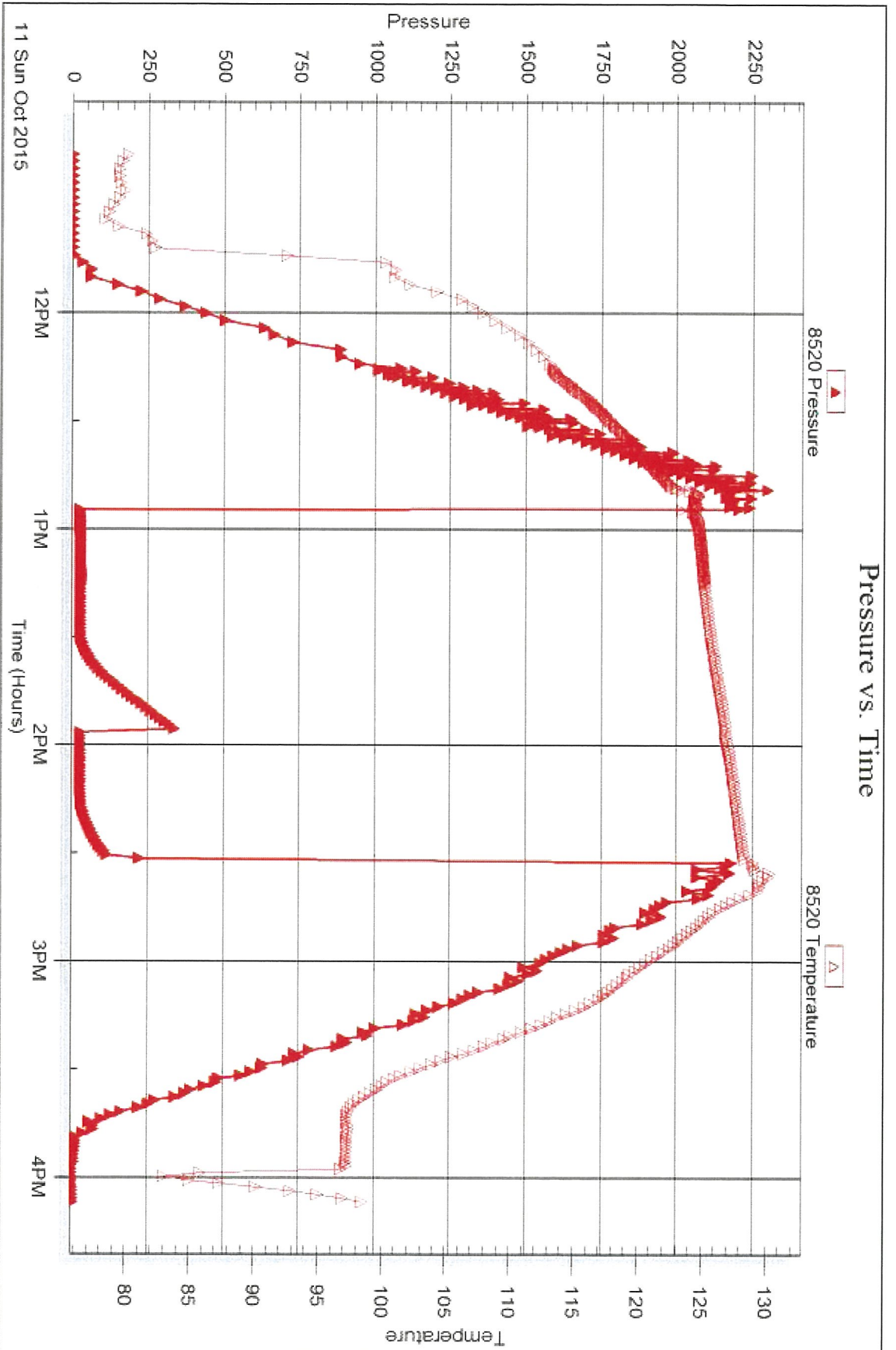
Serial #: 8520

Inside

Palomino Petroleum, Inc.

Jones-Jensen #1

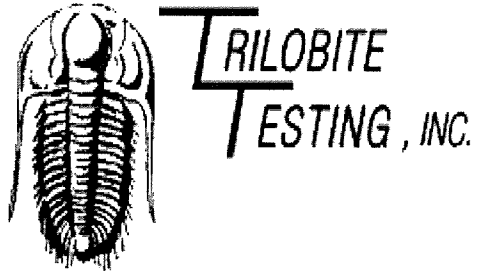
OST Test Number: 2



Triobite Testing, Inc

Ref. No: 49421

Printed 2015 10 16 @ 10:43:51



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.  
Newton, KS 67114

ATTN: Sean Deenihan

### **Jones-Jensen #1**

#### **12-4s-37w Cheyenne,KS**

Start Date: 2015.10.12 @ 13:24:00

End Date: 2015.10.12 @ 18:43:00

Job Ticket #: 49422                      DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2015.10.16 @ 10:43:00

Palomino Petroleum, Inc.

12-4s-37w Cheyenne,KS

Jones-Jensen #1

DST # 3

Cherokee

2015.10.12



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne, KS**

4924 SE 84th St.  
Newton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49422

**DST#: 3**

ATTN: Sean Deenihan

Test Start: 2015.10.12 @ 13:24:00

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:15:30

Time Test Ended: 18:43:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: **4622.00 ft (KB) To 4732.00 ft (KB) (TVD)**

Reference Elevations: 3381.00 ft (KB)

Total Depth: 4732.00 ft (KB) (TVD)

3376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8653 Outside**

Press@RunDepth: 27.39 psig @ 4623.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.12 End Date: 2015.10.12

Last Calib.: 2015.10.12

Start Time: 13:25:00 End Time: 18:43:00

Time On Btm: 2015.10.12 @ 15:15:20

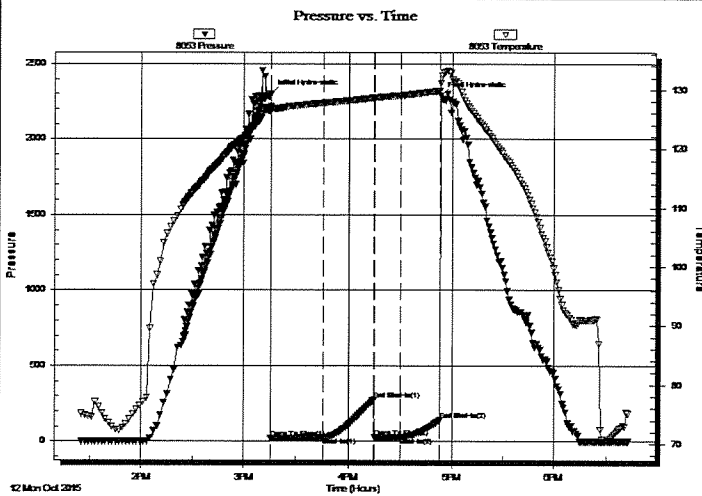
Time Off Btm: 2015.10.12 @ 16:53:30

TEST COMMENT: 30 - IF- 1/4" Blow built to 1" then died back to 3/4"

30 - IS- No Return

15 - FF- No Blow

15 - FS- No Return



## PRESSURE SUMMARY

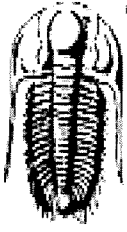
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2303.87	127.25	Initial Hydro-static
1	23.42	126.40	Open To Flow (1)
31	25.71	127.75	Shut-In(1)
60	278.57	128.61	End Shut-In(1)
60	26.08	128.48	Open To Flow (2)
75	27.39	129.03	Shut-In(2)
98	140.23	129.83	End Shut-In(2)
99	2287.07	131.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM 100M (oil spots)	0.07

## 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: Sean Deenihan

**12-4s-37w Cheyenne, KS**  
**Jones-Jensen #1**  
Job Ticket: 49422      DST#: 3  
Test Start: 2015.10.12 @ 13:24:00

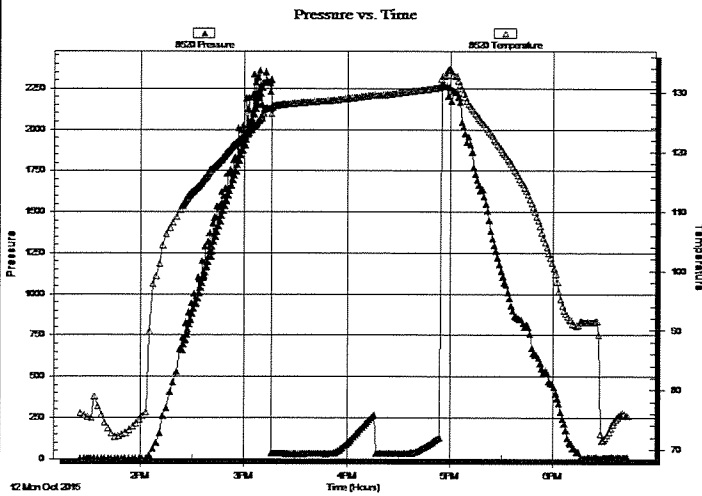
### GENERAL INFORMATION:

Formation:	<b>Cherokee</b>		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened:	15:15:30		Tester: Kevin Mack
Time Test Ended:	18:43:00		Unit No: 82
Interval:	<b>4622.00 ft (KB) To 4732.00 ft (KB) (TVD)</b>		Reference Elevations: 3381.00 ft (KB)
Total Depth:	4732.00 ft (KB) (TVD)		3376.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft

**Serial #: 8520**      Inside

Press@RunDepth:	psig @ 4623.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2015.10.12	End Date:	2015.10.12
Start Time:	13:25:00	End Time:	18:44:00
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 30 - IF- 1/4" Blow built to 1" then died back to 3/4"  
30 - IS- No Return  
15 - FF- No Blow  
15 - FS- No Return



### PRESSURE SUMMARY

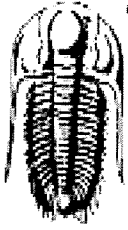
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM 100M (oil spots)	0.07

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne, KS**

4924 SE 84th St.  
New ton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49422

**DST#: 3**

ATTN: Sean Deenihan

Test Start: 2015.10.12 @ 13:24:00

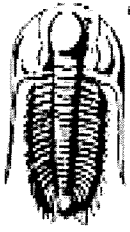
### Tool Information

Drill Pipe:	Length: 4509.00 ft	Diameter: 3.80 inches	Volume: 63.25 bbl	Tool Weight: 2500.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 63.84 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4622.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	110.00 ft			
Tool Length:	135.00 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			4598.00	
Shut In Tool	5.00			4603.00	
Hydraulic tool	5.00			4608.00	
Jars	5.00			4613.00	
Packer	5.00			4618.00	25.00 Bottom Of Top Packer
Packer	4.00			4622.00	
Stubb	1.00			4623.00	
Recorder	0.00	8653	Outside	4623.00	
Recorder	0.00	8520	Inside	4623.00	
Perforations	10.00			4633.00	
Change Over Sub	1.00			4634.00	
Drill Pipe	94.00			4728.00	
Change Over Sub	1.00			4729.00	
Bullnose	3.00			4732.00	110.00 Bottom Packers & Anchor

**Total Tool Length: 135.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**12-4s-37w Cheyenne, KS**

4924 SE 84th St.  
Newton, KS 67114

**Jones-Jensen #1**

Job Ticket: 49422

**DST#: 3**

ATTN: Sean Deenihan

Test Start: 2015.10.12 @ 13:24:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM 100M (oil spots)	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

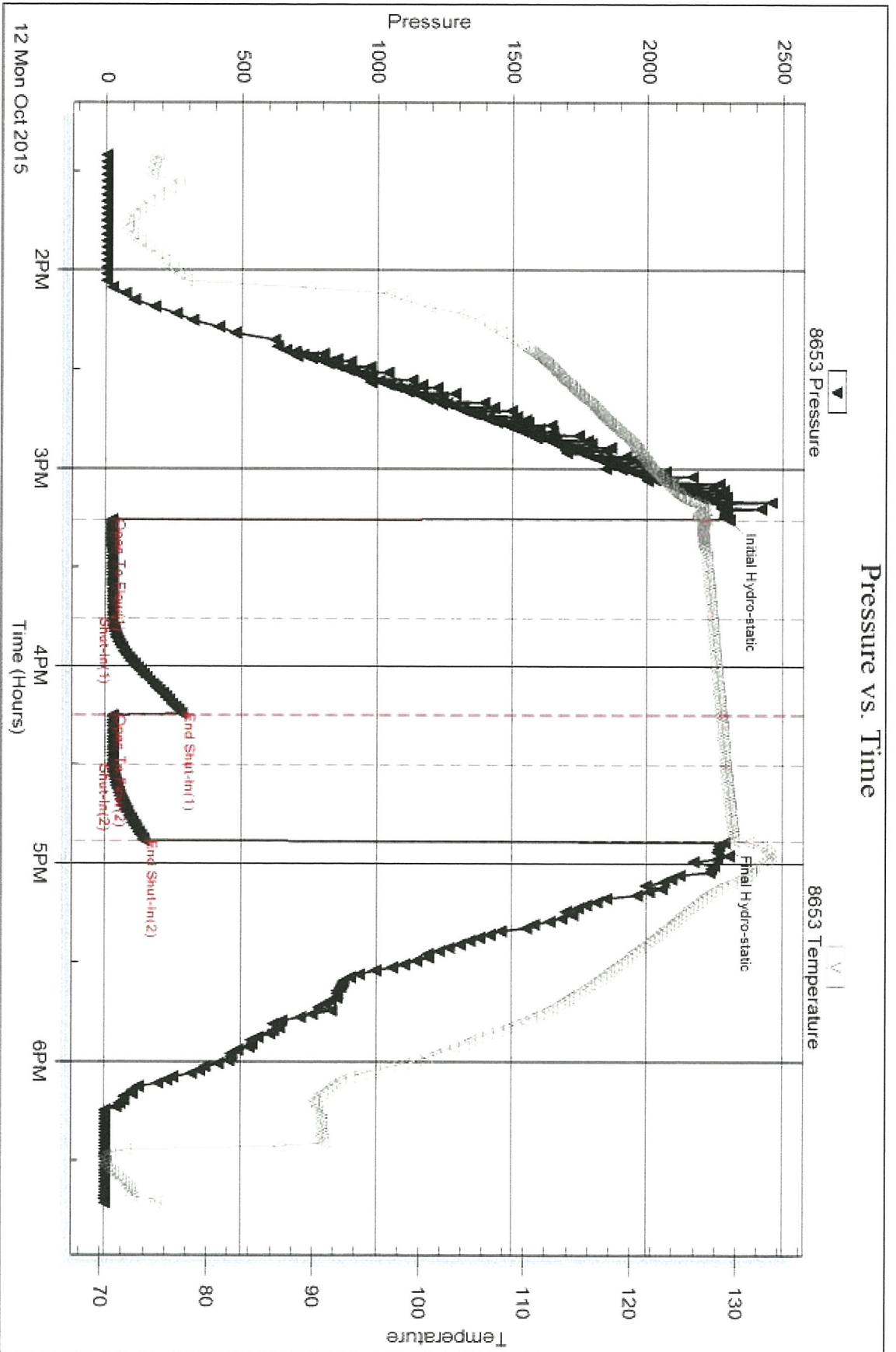
Recovery Comments:

Serial #: 8653

Outside Palomino Petroleum, Inc.

Jones-Jensen #1

DST Test Number: 3



Tribotite Testing, Inc

Ref. No: 49422

Printed 2015 10 16 @ 10:43:04



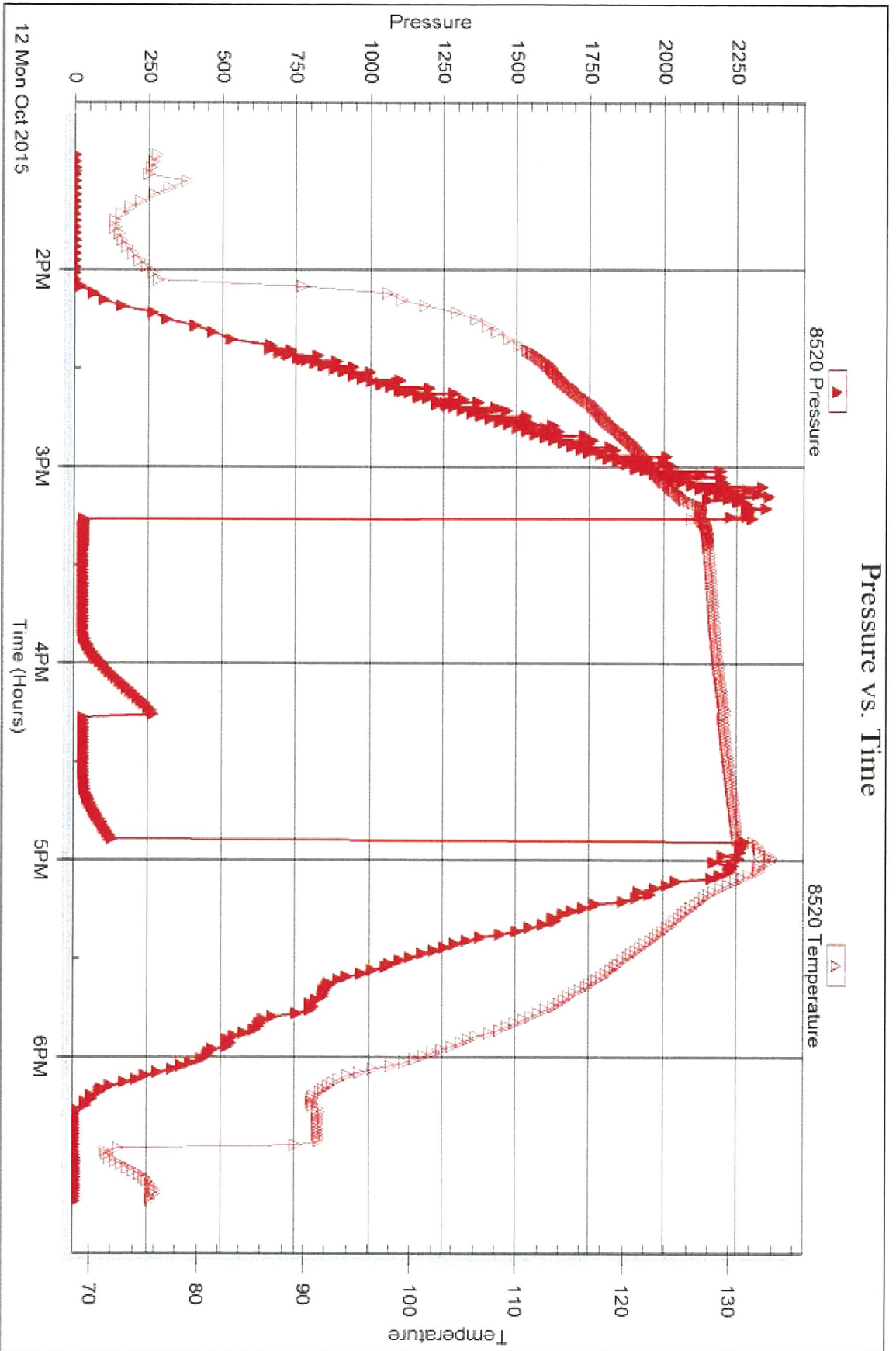
Serial #: 8520

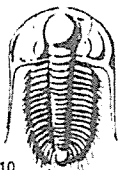
Inside

Palomino Petroleum, Inc.

Jones-Jensen #1

DST Test Number: 3





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49420

4/10

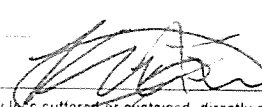
Well Name & No. <u>Jones - Jensen #1</u>	Test No. <u>#1</u>	Date <u>10-10-15</u>
Company <u>Petroleum, Inc.</u>	Elevation <u>3381</u>	KB <u>3376</u> GL
Address <u>4924 SE 84<sup>th</sup> St. Newton, KS 67114</u>		
Co. Rep / Geo. <u>Sean</u>	Rig <u>UW#8</u>	
Location: Sec. <u>12</u>	Twp. <u>4S</u>	Rge. <u>37W</u> Co. <u>Cheyenne</u> State <u>KS</u>

Interval Tested <u>4272-4342</u>	Zone Tested <u>LKC "B"</u>	
Anchor Length <u>70'</u>	Drill Pipe Run <u>4133</u>	Mud Wt. <u>9.1</u>
Top Packer Depth <u>4268</u>	Drill Collars Run <u>120'</u>	Vis <u>40</u>
Bottom Packer Depth <u>4272</u>	Wt. Pipe Run <u>0</u>	WL <u>8.0</u>
Total Depth <u>4342</u>	Chlorides <u>2,000</u> ppm System	LCM <u>1#</u>
Blow Description <u>IF - 1/8" Blow built to 1 1/2"</u>		
<u>ISI - NO Return</u>		
<u>FF - NO Blow</u>		
<u>FSE - NO Return</u>		

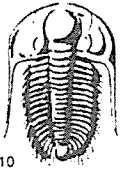
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	Feet of Mud			<u>100</u>	
Rec	Feet of Show of Oil Spots in Test	%gas Spots	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total <u>20'</u>	BHT <u>129°</u>	Gravity <u>-</u>	API RW <u>-</u>	@ <u>-</u>	° F Chlorides <u>-</u> ppm
(A) Initial Hydrostatic <u>2150</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location <u>7:55 PM</u>		
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started <u>8:29 PM</u>		
(C) First Final Flow <u>33</u>	<input type="checkbox"/> Safety Joint		T-Open <u>10:04</u>		
(D) Initial Shut-In <u>1051</u>	<input type="checkbox"/> Circ Sub		T-Pulled <u>11:34</u>		
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby		T-Out <u>1:10 AM</u>		
(F) Second Final Flow <u>48</u>	<input checked="" type="checkbox"/> Mileage <u>110 RT</u>		Comments		
(G) Final Shut-In <u>851</u>	<input type="checkbox"/> Sampler		<input type="checkbox"/> Ruined Shale Packer		
(H) Final Hydrostatic <u>1919</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Packer		
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Extra Copies		
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer		Sub Total <u>0</u>		
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder		Total <u>1510</u>		
Final Shut-In <u>15</u>	<input type="checkbox"/> Day Standby		MP/DST Disc't		
	<input type="checkbox"/> Accessibility				
	Sub Total <u>1510</u>				

Approved By \_\_\_\_\_

Our Representative 

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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49421

4/10

Well Name & No. <u>Jones - Jensen #1</u>	Test No. <u>2</u>	Date <u>10-11-15</u>
Company <u>Palomine Petroleum, Inc.</u>	Elevation <u>3381</u>	KB <u>3376</u> GL
Address <u>4924 SE 84th St. Newton, KS 67114</u>		
Co. Rep / Geo. <u>Sean Deenihan</u>	Rig <u>WW #3</u>	
Location: Sec. <u>12</u> Twp. <u>4S</u> Rge. <u>3TW</u> Co. <u>Cherokee</u> State <u>KS</u>		

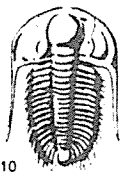
Interval Tested <u>4379-4456</u>	Zone Tested <u>LKC "J"</u>	
Anchor Length <u>77'</u>	Drill Pipe Run <u>4254</u>	Mud Wt. <u>9.3</u>
Top Packer Depth <u>4375</u>	Drill Collars Run <u>120'</u>	Vis <u>63</u>
Bottom Packer Depth <u>4379</u>	Wt. Pipe Run <u>0</u>	WL <u>7.2</u>
Total Depth <u>4456</u>	Chlorides <u>2,300</u> ppm System	LCM <u>1.5</u> #
Blow Description <u>IF - 1/8" Blow built to 1/2"</u>		
<u>ISI - NO Return</u>		
<u>FF - NO Blow</u>		
<u>FSI - NO Return</u>		

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 Total <u>10</u>	BHT <u>123</u>	Gravity <u>~</u>	API RW <u>~</u>	@ <u>~</u>	° F Chlorides <u>~</u> ppm
(A) Initial Hydrostatic <u>2204</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>10:50 AM</u>			
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>11:15 AM</u>			
(C) First Final Flow <u>25</u>	<input type="checkbox"/> Safety Joint	T-Open <u>12:55 PM</u>			
(D) Initial Shut-In <u>353</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2:25 PM</u>			
(E) Second Initial Flow <u>26</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>4:10 PM</u>			
(F) Second Final Flow <u>27</u>	<input checked="" type="checkbox"/> Mileage <u>116 RT 110</u>	Comments			
(G) Final Shut-In <u>129</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer			
(H) Final Hydrostatic <u>2158</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer			
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Extra Copies			
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>			
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	Total <u>1760</u>			
Final Shut-In <u>15</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't			
	<input type="checkbox"/> Accessibility	Sub Total <u>1760</u>			

Approved By \_\_\_\_\_ 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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49422

Well Name & No. Jones - Jensen #1 Test No. #3 Date 10-12-15  
 Company Palomino Petroleum, Inc. Elevation 3381 KB 3376 GL  
 Address 4924a SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Sean Deenihan Rig WLV#18  
 Location: Sec. 12 Twp. 4S Rge. 37W Co. Cheyenne State KS

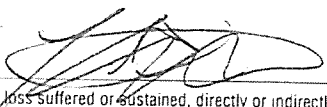
Interval Tested 4622 - 4732 Zone Tested Cherokee  
 Anchor Length 110' Drill Pipe Run 4509' Mud Wt. 9.2  
 Top Packer Depth 4618 Drill Collars Run 120' Vis 61  
 Bottom Packer Depth 4622 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4732 Chlorides 1,500 ppm System LCM 2#  
 Blow Description IF - 1/4" Built to 1" then died back to 3/4"  
ISI - NO Return  
FF - NO Blow  
FSI - NO Return

Rec	Feet of	%gas	%oil	%water	%mud
15	OSM	spots		1000	

Rec Total 15 BHT 130 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2303  Test 1150 T-On Location 1:15 PM  
 (B) First Initial Flow 23  Jars 250 T-Started 1:24 PM  
 (C) First Final Flow 25  Safety Joint T-Open 3:15 PM  
 (D) Initial Shut-In 278  Circ Sub T-Pulled 4:45 PM  
 (E) Second Initial Flow 26  Hourly Standby T-Out 6:45 PM  
 (F) Second Final Flow 27  Mileage 110 RT Comments \_\_\_\_\_  
 (G) Final Shut-In 140  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2287  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1510

Initial Open 300  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 300  Ruined Packer \_\_\_\_\_  
 Final Flow 15  Extra Copies \_\_\_\_\_  
 Final Shut-In 15 Sub Total 0  
 Total 1510  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative 

Trilobite Testing Inc. shall not be liable for damaged or 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.