



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1269929
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1269929

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

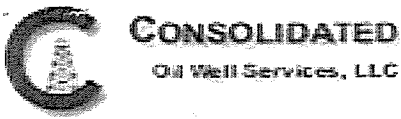
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Jones-Jensen 1
Doc ID	1269929

Tops

Name	Top	Datum
Anhy.	3127	(+254)
Base Anhy.	3165	(+216)
Heebner	4204	(-823)
Lansing	4255	(-874)
Muncie Creek	4380	(-999)
Altamont C	4606	(-1225)
Pawnee	4634	(-1253)
Cherokee	4685	(-1304)
Miss.	4908	(-1527)
LTD	4995	(-1614)



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	4S	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

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

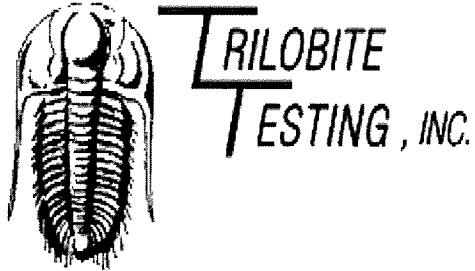
Thank You - Casey & Crew

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

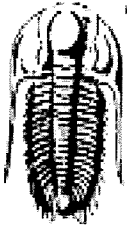
End Date: 2015.10.11 @ 01:07:30

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

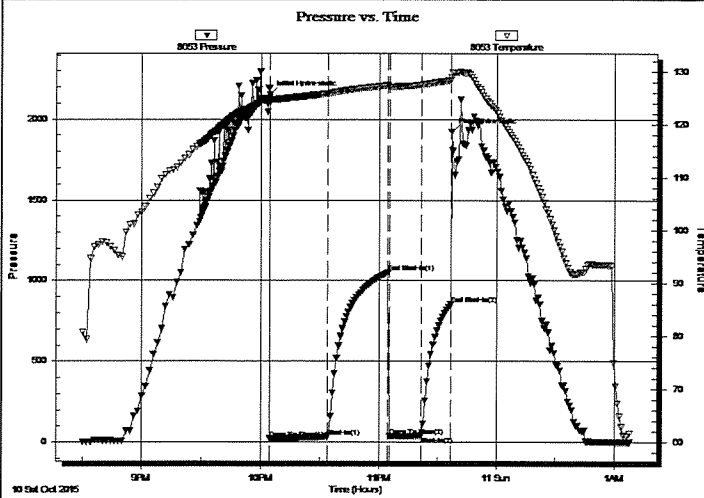
Time Off Btm: 2015.10.10 @ 23:37:00

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

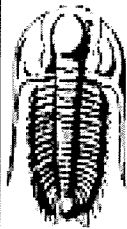
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2150.22	125.12	Initial Hydro-static
1	22.18	124.16	Open To Flow (1)
30	33.06	125.87	Shut-In(1)
60	1051.91	127.43	End Shut-In(1)
61	35.98	127.19	Open To Flow (2)
77	40.10	127.53	Shut-In(2)
92	851.89	128.35	End Shut-In(2)
93	1919.57	128.86	Final Hydro-static

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.

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 #: 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:

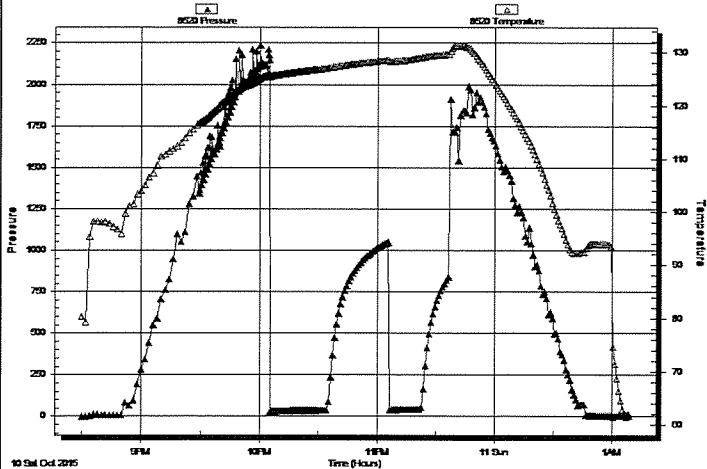
TEST COMMENT: 30 - IF- 1/8" Blow built to 1 1/2"

30 - IS- No Return

15 - FF- No Blow

15 - FS- No Return

Pressure vs. Time



PRESSURE SUMMARY

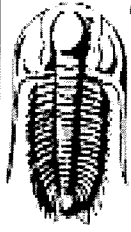
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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

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

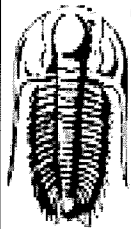
Tool Information

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 ³	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

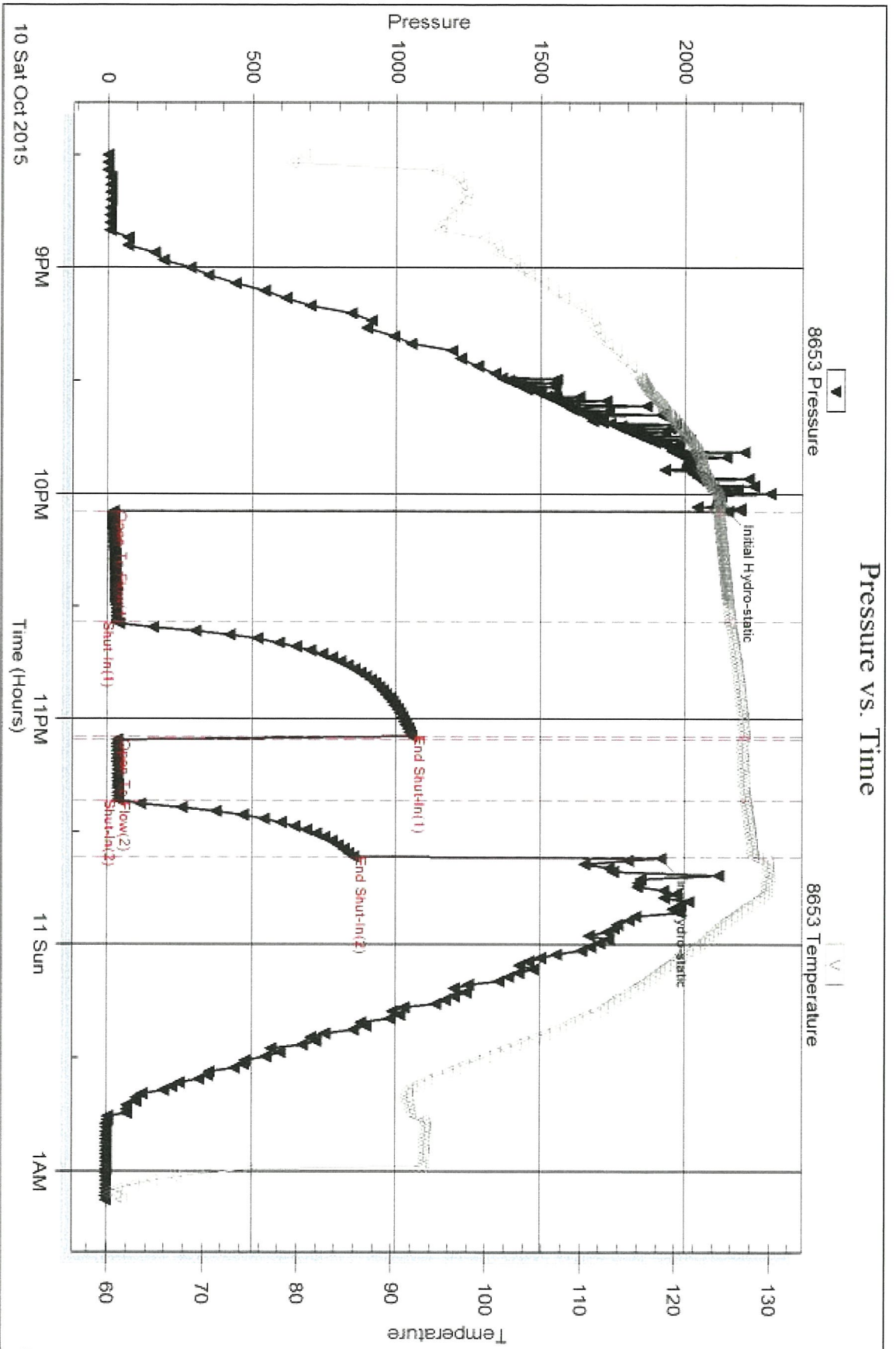
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



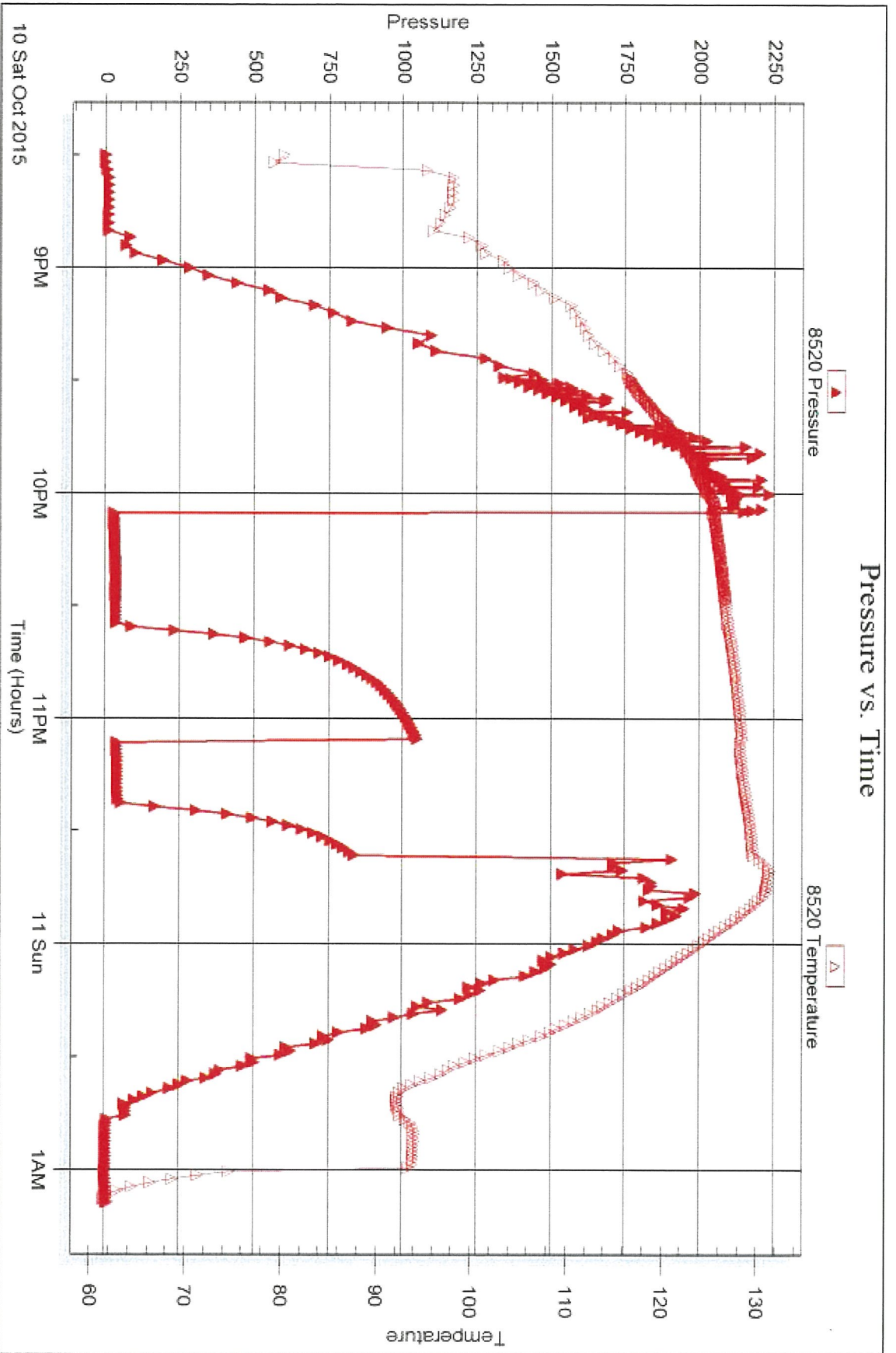
Serial #: 8520

Inside

Palomino Petroleum, Inc.

Jones-Jensen #1

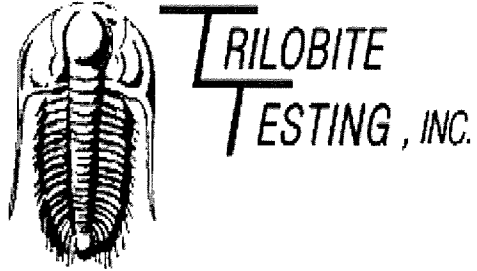
DST Test Number: 1



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

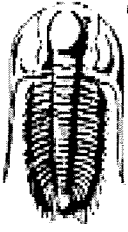
Start Date: 2015.10.11 @ 11:15:00

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



**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)

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)**

Total Depth: 4456.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3381.00 ft (KB)

3376.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8653

Outside

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

Start Date: 2015.10.11

End Date:

2015.10.11

Capacity: 8000.00 psig

Last Calib.: 2015.10.11

Start Time: 11:16:00

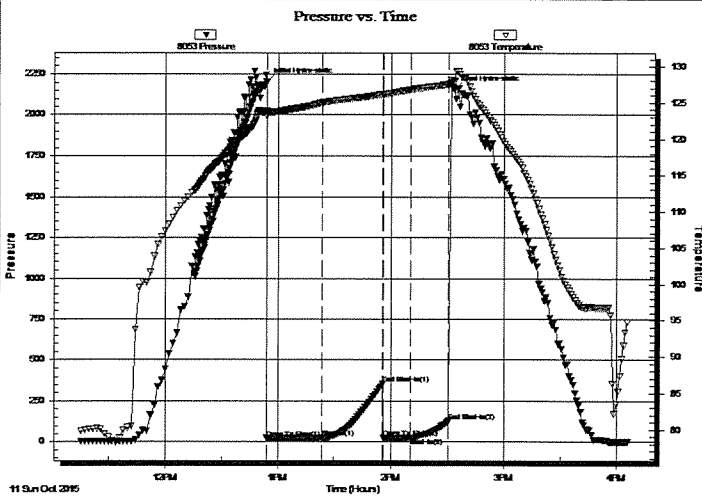
End Time:

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

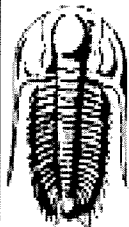
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.32	123.94	Initial Hydro-static
1	23.64	123.09	Open To Flow (1)
30	25.58	125.02	Shut-In(1)
62	353.59	126.17	End Shut-In(1)
62	26.19	126.13	Open To Flow (2)
77	27.38	126.82	Shut-In(2)
97	129.22	127.58	End Shut-In(2)
100	2158.11	127.95	Final Hydro-static

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.
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 #: 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:

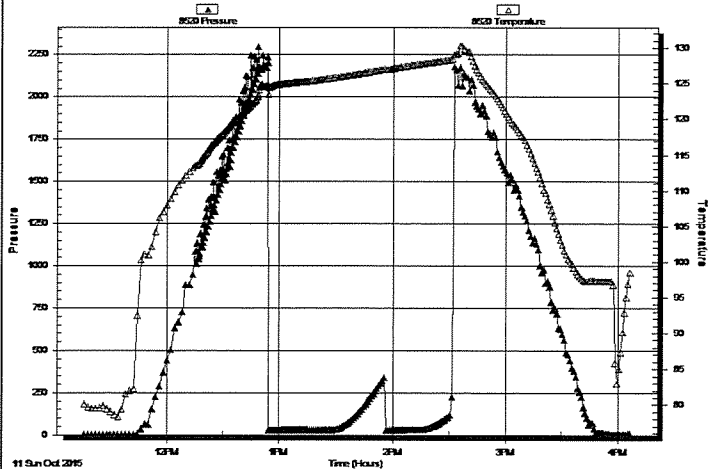
TEST COMMENT: 30 - IF- 1/8" Blow built to 1/2"

30 - IS- No Return

15 - FF- No Blow

15 - FS- No Return

Pressure vs. Time



PRESSURE SUMMARY

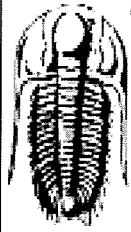
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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

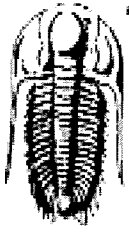
Tool Information

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
			Total Volume: 60.26 bbl	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 ³	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:

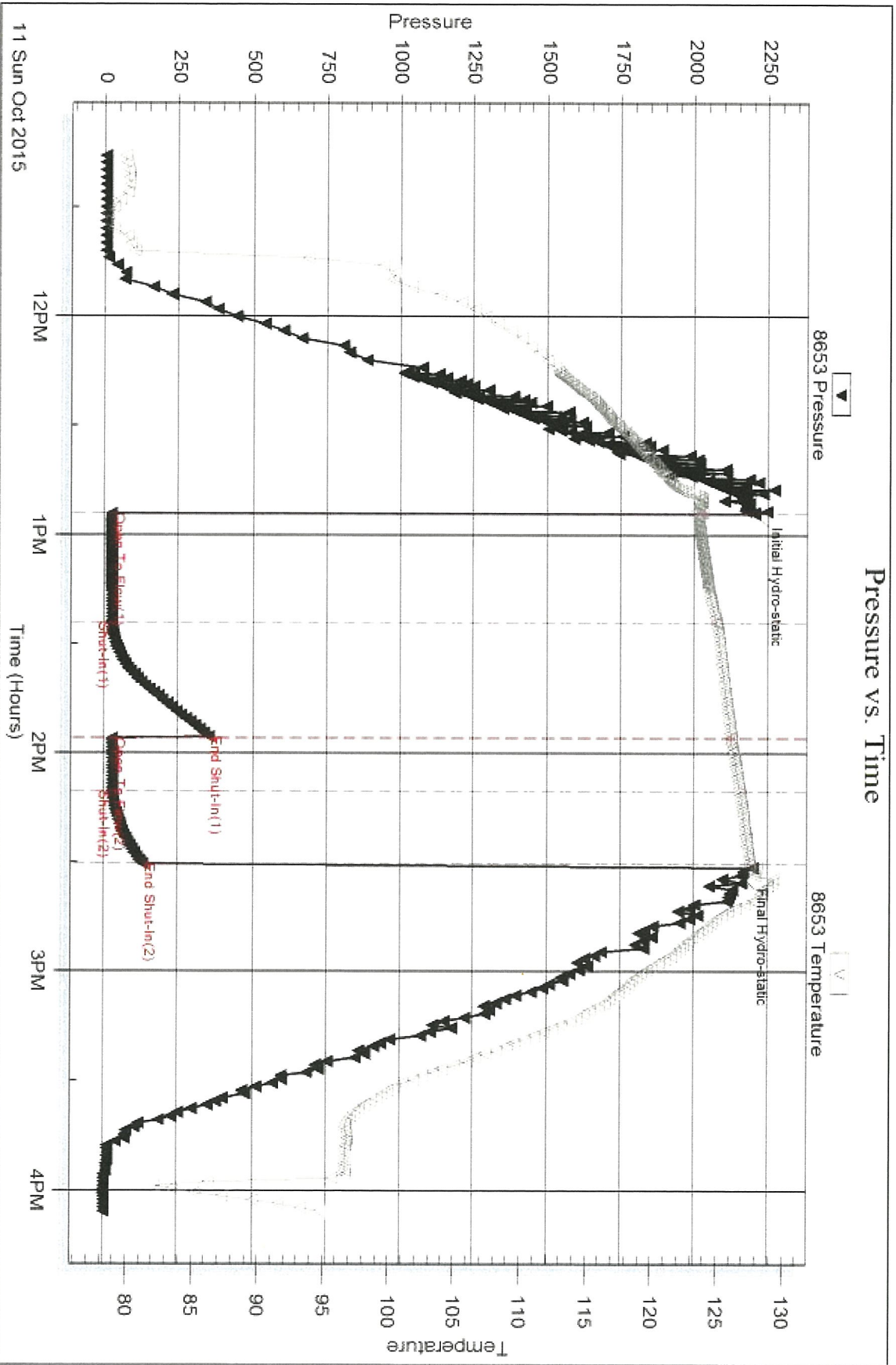
Recovery Comments:

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

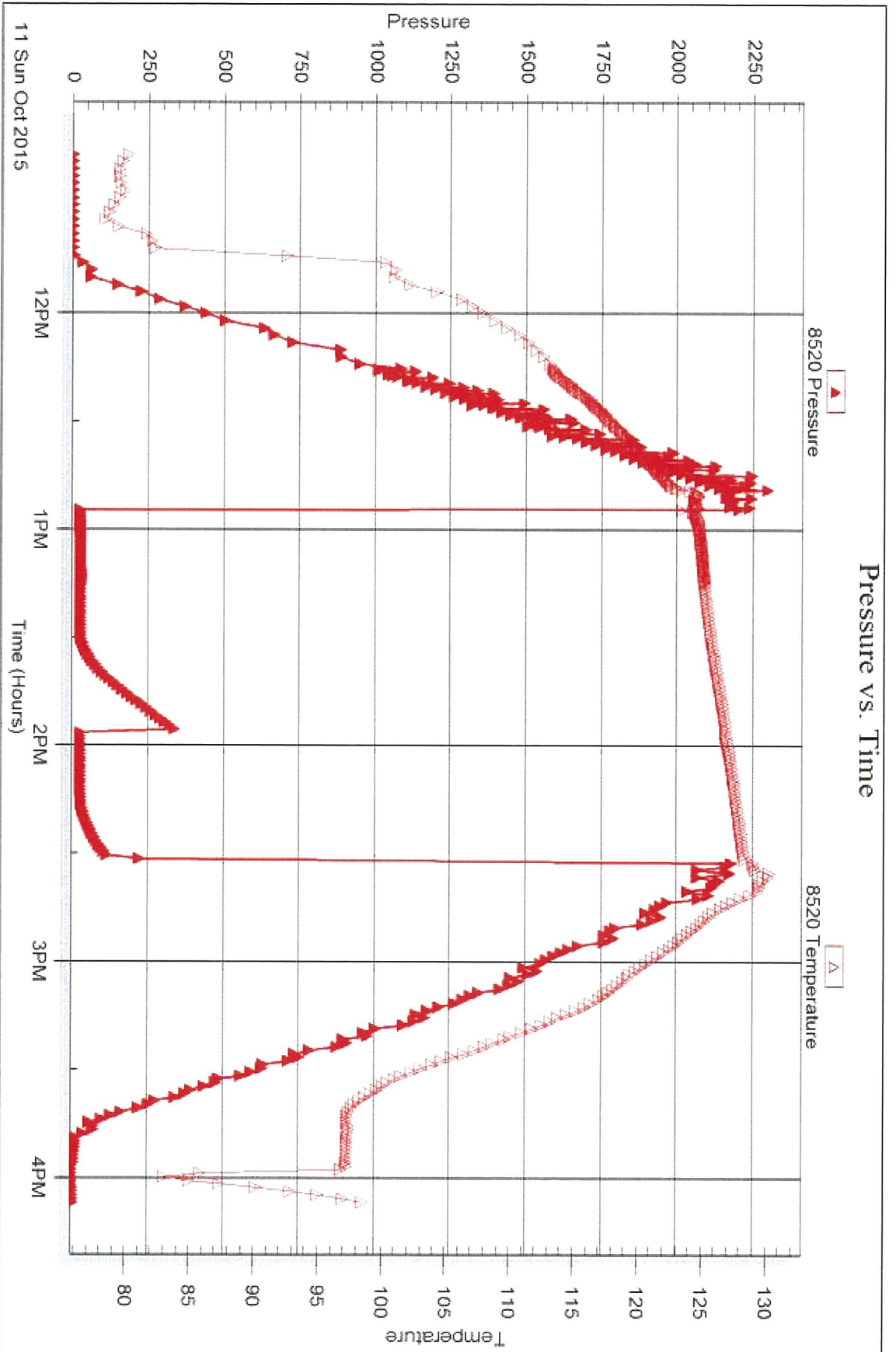
Serial #: 8520

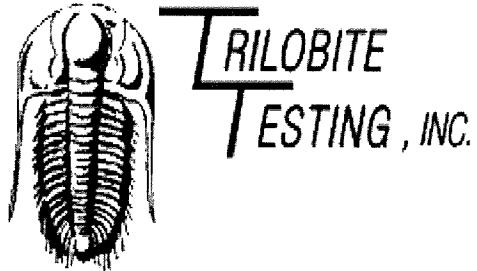
Inside

Palomino Petroleum, Inc.

Jones-Jensen #1

DST Test Number: 2





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

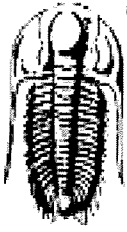
Start Date: 2015.10.12 @ 13:24:00

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



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

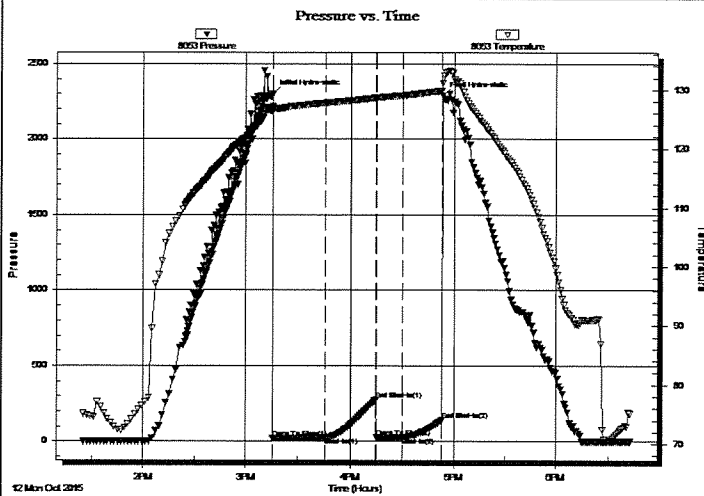
Last Calib.: 2015.10.12

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

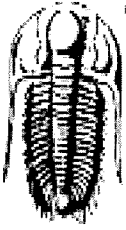
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2303.87	127.25	Initial Hydro-static
1	23.42	126.40	Open To Flow (1)
31	25.71	127.75	Shut-In(1)
60	278.57	128.61	End Shut-In(1)
60	26.08	128.48	Open To Flow (2)
75	27.39	129.03	Shut-In(2)
98	140.23	129.83	End Shut-In(2)
99	2287.07	131.16	Final Hydro-static

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.

12-4s-37w Cheyenne, KS

4924 SE 84th St.
New ton, KS 67114

Jones-Jensen #1

ATTN: Sean Deenihan

Job Ticket: 49422

DST#: 3

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 #: **8520** Inside

Press@RunDepth: psig @ 4623.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.12 End Date: 2015.10.12

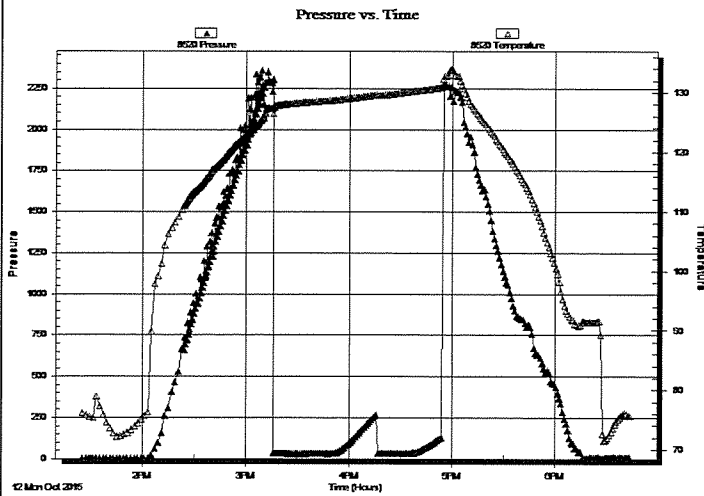
Last Calib.: 2015.10.12

Start Time: 13:25:00 End Time: 18:44:00

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

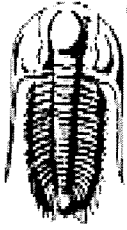
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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

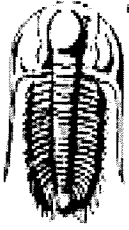
Tool Information

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:

bbbl

Water Loss: 7.20 in³

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:

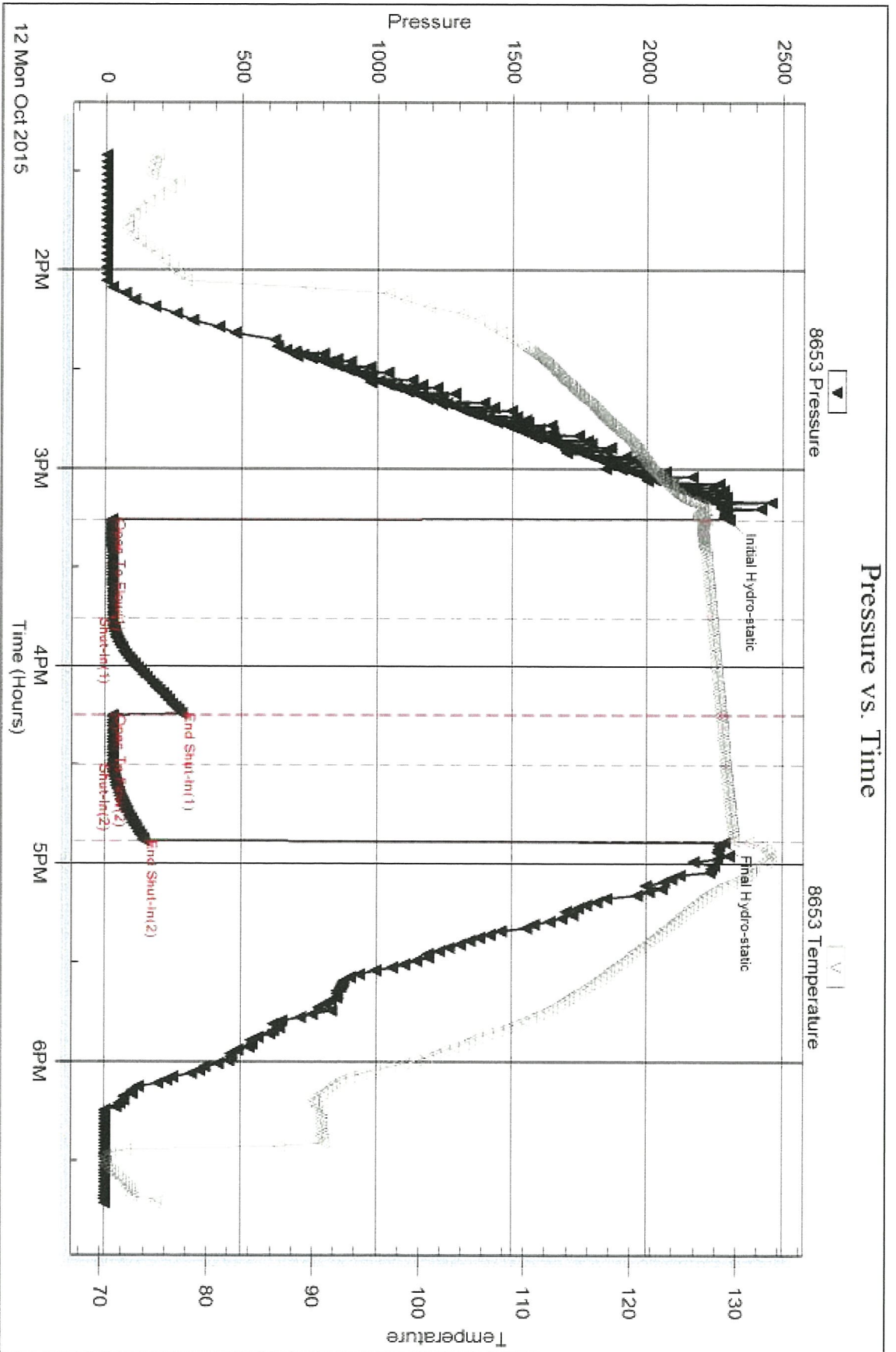
Recovery Comments:

Serial #: 8653

Outside Palomino Petroleum, Inc.

Jones-Jensen #1

DST Test Number: 3



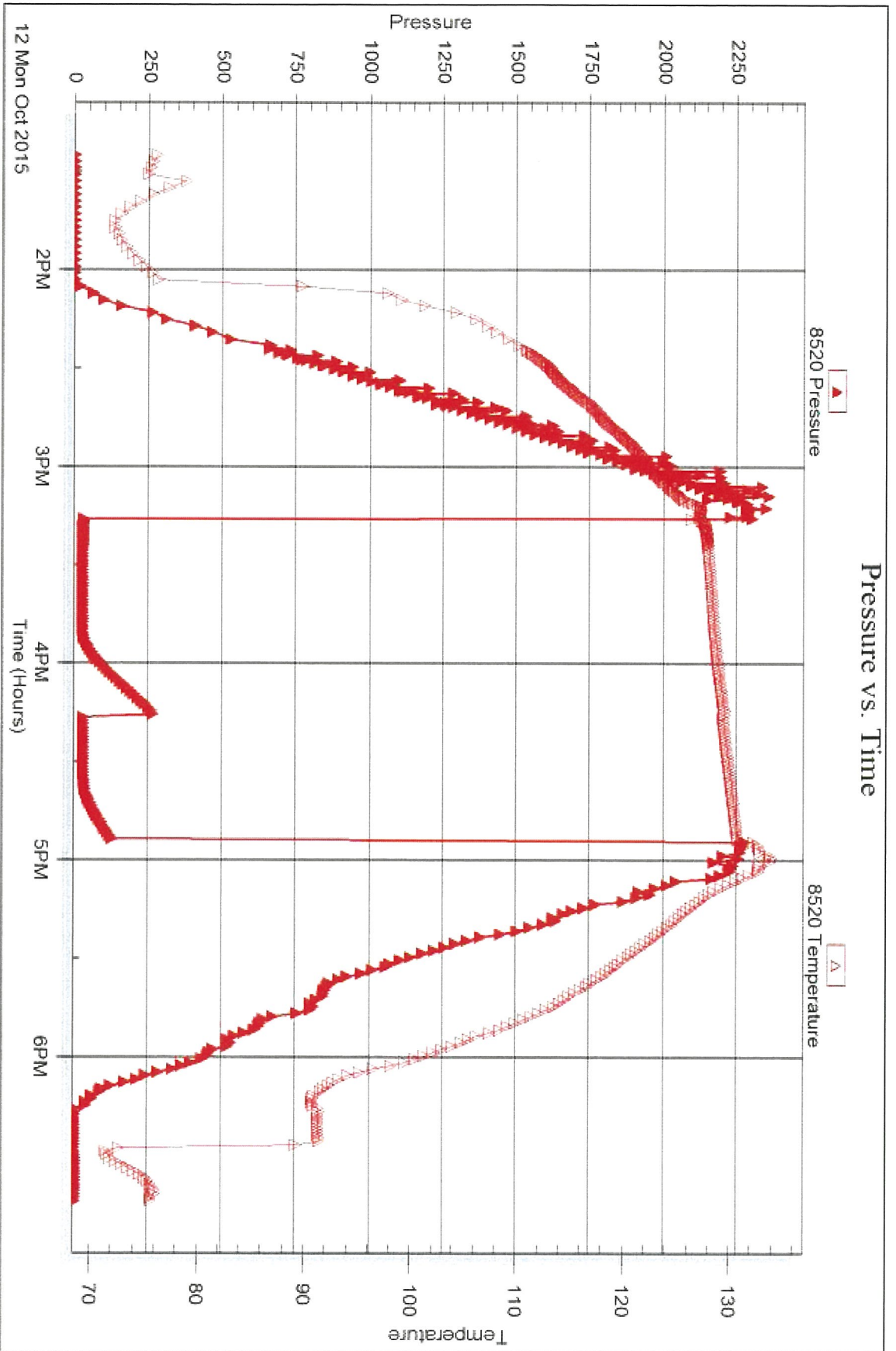
Serial #: 8520

Inside

Palomino Petroleum, Inc.

Jones-Jensen #1

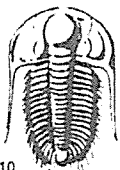
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 439422

Printed 2015 10 16 @ 10 43 04



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 84th 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>

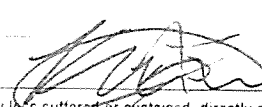
Interval Tested <u>4272-4342</u>	Zone Tested <u>LKC "B"</u>
Anchor Length <u>70'</u>	Drill Pipe Run <u>4133</u> Mud Wt. <u>9.1</u>
Top Packer Depth <u>4268</u>	Drill Collars Run <u>120'</u> Vis <u>40</u>
Bottom Packer Depth <u>4272</u>	Wt. Pipe Run <u>0</u> WL <u>8.0</u>
Total Depth <u>4342</u>	Chlorides <u>2,000</u> ppm System LCM <u>1#</u>

Blow Description IF - 1/8" Blow built to 1 1/2"
ISI - NO Return
FF - NO Blow
FSE - NO Return

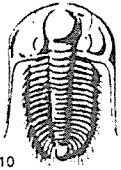
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	Feet of Mud			<u>100</u>	
Rec	Feet of Show of Oil Spots in Test	%gas Spots	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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				
(H) Final Hydrostatic <u>1919</u>	<input type="checkbox"/> Straddle				

Initial Open <u>30</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Ruined Packer
Final Flow <u>15</u>	<input type="checkbox"/> Extra Copies
Final Shut-In <u>15</u>	Sub Total <u>0</u>
	Total <u>1510</u>
	MP/DST Disc't
	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. Jones - Jensen #1 Test No. 2 Date 10-11-15
 Company Palomine Petroleum, Inc. Elevation 3381 KB 3376 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Sean Deenihan Rig WW #3
 Location: Sec. 12 Twp. 4S Rge. 3TW Co. Cherokee State KS

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

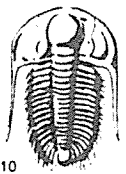
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 123 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2204 Test 1150 T-On Location 10:50 AM
 (B) First Initial Flow 23 Jars 250 T-Started 11:15 AM
 (C) First Final Flow 25 Safety Joint T-Open 12:55 PM
 (D) Initial Shut-In 353 Circ Sub T-Pulled 2:25 PM
 (E) Second Initial Flow 26 Hourly Standby T-Out 4:10 PM
 (F) Second Final Flow 27 Mileage 116 RT 110 Comments _____
 (G) Final Shut-In 129 Sampler _____
 (H) Final Hydrostatic 2158 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Shale Packer 250
 Initial Shut-In 30 Extra Packer _____
 Final Flow 15 Extra Recorder _____
 Final Shut-In 15 Day Standby _____
 Sub Total 0
 Total 1760
 MP/DST Disc't _____
 Sub Total 1760

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

4/10

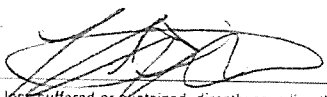
Well Name & No. Jones - Jensen #1 Test No. #3 Date 10-12-15
 Company Palomino Petroleum, Inc. Elevation 3381 KB 3376 GL
 Address 4924a SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Sean Deenihan Rig WLV#18
 Location: Sec. 12 Twp. 4S Rge. 37W Co. Cheyenne State KS

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
<u>15</u>	<u>OSM</u>	<u>spots</u>		<u>1000</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 15 BHT 1300 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 _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 300
 Initial Shut-In 300
 Final Flow 15
 Final Shut-In 15
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1510
 Sub Total _____
 Sub Total 1510
 MP/DST Disc't _____

Approved By _____ Our Representative 

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