



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1167055
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: _____

1167055

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: 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: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Johnson 1
Doc ID	1167055

Tops

Name	Top	Datum
Anhy.	2038	(+ 579)
Base Anhy.	2063	(+ 554)
Heebner	3879	(-1262)
Lansing	3921	(-1304)
Stark Shale	4159	(-1542)
BKC	4229	(-1612)
Pawnee	4352	(-1735)
Ft. Scott	4425	(-1808)
Cherokee Sh.	4448	(-1831)
Miss.	4507	(-1890)
Miss. Dol Por	4521	(-1904)
LTD	4626	(-2009)



RECEIVED

AUG 17 2013

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 137896

Invoice Date: Aug 10, 2013

Voice: (817) 546-7282
Fax: (817) 246-3361

Page: 1

Bill To:

Palomino Petroleum, Inc.
4924 SE 84th St.
Newton, KS 67114-8827

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Palo	61752	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Aug 10, 2013	9/9/13

Quantity	Item	Description	Unit Price	Amount
		Johnson #1		
180.00	CEMENT MATERIALS	Class A Comon	17.90	3,222.00
120.00	CEMENT MATERIALS	Pozmix	9.35	1,122.00
10.00	CEMENT MATERIALS	Gel	23.40	234.00
75.00	CEMENT MATERIALS	Flo Seal	2.97	222.75
322.20	CEMENT SERVICE	Cubic Feet	2.48	799.05
430.51	CEMENT SERVICE	Ton Mileage	2.60	1,119.33
1.00	CEMENT SERVICE	Rotary Plug	2,483.59	2,483.59
32.00	CEMENT SERVICE	Pump Truck Mileage	7.70	246.40
32.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	140.80
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,917.98

ONLY IF PAID ON OR BEFORE
Sep 4, 2013

Subtotal	9,589.92
Sales Tax	589.78
Total Invoice Amount	10,179.70
Payment/Credit Applied	
TOTAL	10,179.70

ALLIED OIL & GAS SERVICE, LLC 061752

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend, KS

DATE <u>8-10-13</u>	SEC. <u>2</u>	TWP. <u>16</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>11:20 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Johnson</u>		WELL# <u>1</u>	LOCATION <u>East lmn of Upton 2 1/2 N</u>		COUNTY <u>Wes</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>WEST INTO</u>				

CONTRACTOR Maurick Drilling 106

TYPE OF JOB Rotary Plug

HOLE SIZE 17 1/2 T.D.

CASING SIZE 8 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2040

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. All

PERFS.

DISPLACEMENT Submer

OWNER

CEMENT

AMOUNT ORDERED 300SKS 60/40 4% gel
1/4 Flo

COMMON <u>180</u>	@ <u>17.90</u>	<u>3,222.00</u>
POZMIX <u>120</u>	@ <u>9.35</u>	<u>1,122.00</u>
GEL <u>10</u>	@ <u>23.40</u>	<u>234.00</u>
CHLORIDE <u>0</u>	@	
ASC	@	
<u>Flt Seal 75</u>	@ <u>2.97</u>	<u>222.75</u>
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>322.2</u>	@ <u>2.48</u>	<u>799.05</u>
MILEAGE <u>13.45 x 32 x</u>	@ <u>2.60</u>	<u>1,119.80</u>
TOTAL		<u>6,719.13</u>

EQUIPMENT

PUMP TRUCK CEMENTER Josh Trace

393 HELPER Mike scathorn

BULK TRUCK

610-112 DRIVER Kevin Vaughan

BULK TRUCK

DRIVER

REMARKS:

See cement log

Plug down 11:20pm

CHARGE TO: Palomino Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas 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 X Cecil E. Farmer

SIGNATURE X Cecil E. Farmer

Thank you!!

SERVICE

DEPTH OF JOB 2040

PUMP TRUCK CHARGE 2,483.00

EXTRA FOOTAGE @

MILEAGE Hum 32 @ 7.70 246.70

MANIFOLD @

Hum 32 @ 4.40 140.80

@

TOTAL 2,870.70

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES 9,589.92

DISCOUNT 1,917.98 IF PAID IN 30 DAYS

7,671.93



RECEIVED

AUG 17 2013

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 137782

Invoice Date: Aug 3, 2013

Page: 1

Voice: (817) 546-7282

Fax: (817) 246-3361

Bill To:

Palomino Petroleum, Inc.
4924 SE 84th St.
Newton, KS 67114-8827

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Palo	60557	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Aug 3, 2013	9/2/13

Quantity	Item	Description	Unit Price	Amount
		Johnson #1		
150.00	CEMENT MATERIALS	Class A Common	17.90	2,685.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
5.00	CEMENT MATERIALS	Chloride	64.00	320.00
162.09	CEMENT SERVICE	Cubic Feet	2.48	401.98
236.80	CEMENT SERVICE	Ton Mileage	2.60	615.68
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
32.00	CEMENT SERVICE	Pump Truck Mileage	7.70	246.40
32.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	140.80
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	OPERATOR ASSISTANT	Steven Vasquez		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,498.08

ONLY IF PAID ON OR BEFORE

Aug 28, 2013

Subtotal	5,992.31
Sales Tax	189.12
Total Invoice Amount	6,181.43
Payment/Credit Applied	
TOTAL	6,181.43

ALLIED OIL & GAS SERVICES, LLC 060557

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend, KS

DATE <u>6-7-13</u>	SEC. <u>2</u>	TWP. <u>16S</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00</u>	JOB FINISH <u>3:00 AM</u>
LEASE <u>Johnson</u>		WELL # <u>1</u>		LOCATION <u>Utica 2.8N 16W into</u>		COUNTY <u>Neosho</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR P. Maverick Dalling #106
 TYPE OF JOB Surf face
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 4 5/8 DEPTH 262.71
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15 Cts
 PERFS. _____
 DISPLACEMENT 15.77 bbls Freshwater
 EQUIPMENT _____

OWNER _____
 CEMENT AMOUNT ORDERED 150 gals Class A
3% cc 2 y gel
 COMMON 150 @ 17.90 2685.00
 POZMIX _____ @ _____
 GEL 3 @ 23.40 70.20
 CHLORIDE 5 @ 64.00 320.00
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 142.09 @ 2.48 401.98
 MILEAGE 7.4 x 32 @ 2.00 615.68
 TOTAL 4,092.86

PUMP TRUCK CEMENTER Rustin Chambers
 # 366 HELPER Milse Scottborn
 BULK TRUCK # 610-112 DRIVER Sere Vasquez
 BULK TRUCK # _____ DRIVER _____

REMARKS:
Break circulation with Big mud
run 5 bbls Freshwater ahead
run 150 gals Class A 3% cc 2 y gel
Displace 15.77 bbls Freshwater
of strength
plug down 2:15 AM
Big down

CHARGE TO: Palomino Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE:
 DEPTH OF JOB 262.71
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @ _____
 MILEAGE HVM 32 @ 7.70 246.40
 MANIFOLD @ _____
LVM 32 @ 4.40 140.80
 @ _____
 TOTAL 1899.45

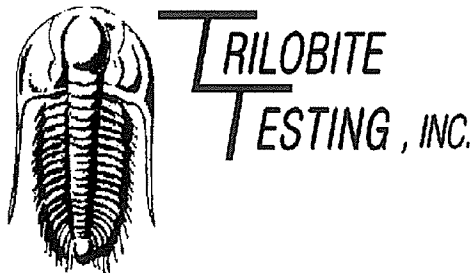
PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

To: Allied Oil & Gas 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 Cecil E. Farmer
 SIGNATURE Cecil E. Farmer

SALES TAX (If Any) _____
 TOTAL CHARGES 5992.31
 DISCOUNT -1498.08 IF PAID IN 30 DAYS
\$ 4,494.23

Thank You!!



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Johnson #1

2-16s-26w Ness,KS

Start Date: 2013.08.08 @ 00:50:39

End Date: 2013.08.08 @ 09:39:39

Job Ticket #: 54386 DST #: 1

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

Printed: 2013.08.12 @ 09:31:47

Palomino Petroleum 2-16s-26w Ness,KS Johnson #1 DST # 1 LKC H-L 2013.08.08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

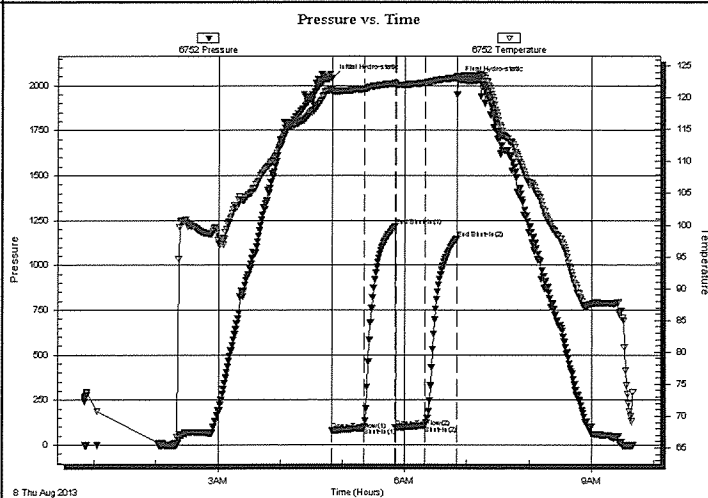
2-16s-26w Ness, KS
Johnson #1
 Job Ticket: 54386 **DST#: 1**
 Test Start: 2013.08.08 @ 00:50:39

GENERAL INFORMATION:

Formation: **LKC H-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:49:39
 Time Test Ended: 09:39:39
 Interval: **4072.00 ft (KB) To 4225.00 ft (KB) (TVD)**
 Total Depth: **4225.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Tate Lang**
 Unit No: **41**
 Reference Elevations: **2617.00 ft (KB)**
2607.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 6752 Inside
 Press@RunDepth: **107.97 psig @ 4074.00 ft (KB)**
 Start Date: **2013.08.08** End Date: **2013.08.08** Capacity: **8000.00 psig**
 Start Time: **00:50:40** End Time: **09:39:39** Last Calib.: **2013.08.08**
 Time On Btm: **2013.08.08 @ 04:49:29**
 Time Off Btm: **2013.08.08 @ 06:50:48**

TEST COMMENT: Weak surface blow built to 2"
 Dead no blow back
 Dead no blow
 Dead no blow back



PRESSURE SUMMARY

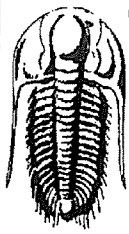
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.02	121.35	Initial Hydro-static
1	79.06	120.85	Open To Flow (1)
31	94.12	121.36	Shut-In(1)
62	1214.56	122.24	End Shut-In(1)
62	96.56	121.96	Open To Flow (2)
91	107.97	122.31	Shut-In(2)
121	1147.62	123.12	End Shut-In(2)
122	2029.18	123.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%O	0.01
65.00	100%M w it oil spots	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

2-16s-26w Ness,KS

4924 SE 84th St
New ton KS 67114

Johnson #1

Job Ticket: 54386

DST#: 1

ATTN: Andrew Stenzel

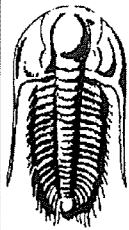
Test Start: 2013.08.08 @ 00:50:39

Tool Information

Drill Pipe:	Length: 4072.00 ft	Diameter: 3.80 inches	Volume: 57.12 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4072.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	153.00 ft			
Tool Length:	180.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4050.00	
Hydraulic tool	5.00			4055.00	
Jars	5.00			4060.00	
Safety Joint	2.00			4062.00	
Packer	5.00			4067.00	27.00 Bottom Of Top Packer
Packer	5.00			4072.00	
Stubb	1.00			4073.00	
Perforations	1.00			4074.00	
Recorder	0.00	6752	Inside	4074.00	
Recorder	0.00	8322	Outside	4074.00	
Change Over Sub	1.00			4075.00	
Drill Pipe	126.00			4201.00	
Change Over Sub	1.00			4202.00	
PERforations	20.00			4222.00	
Bullnose	3.00			4225.00	153.00 Bottom Packers & Anchor
Total Tool Length:		180.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

2-16s-26w Ness,KS

4924 SE 84th St
New ton KS 67114

Johnson #1

Job Ticket: 54386

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2013.08.08 @ 00:50:39

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: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1.00	100%O	0.014
65.00	100%M w it oil spots	0.912

Total Length: 66.00 ft

Total Volume: 0.926 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6752

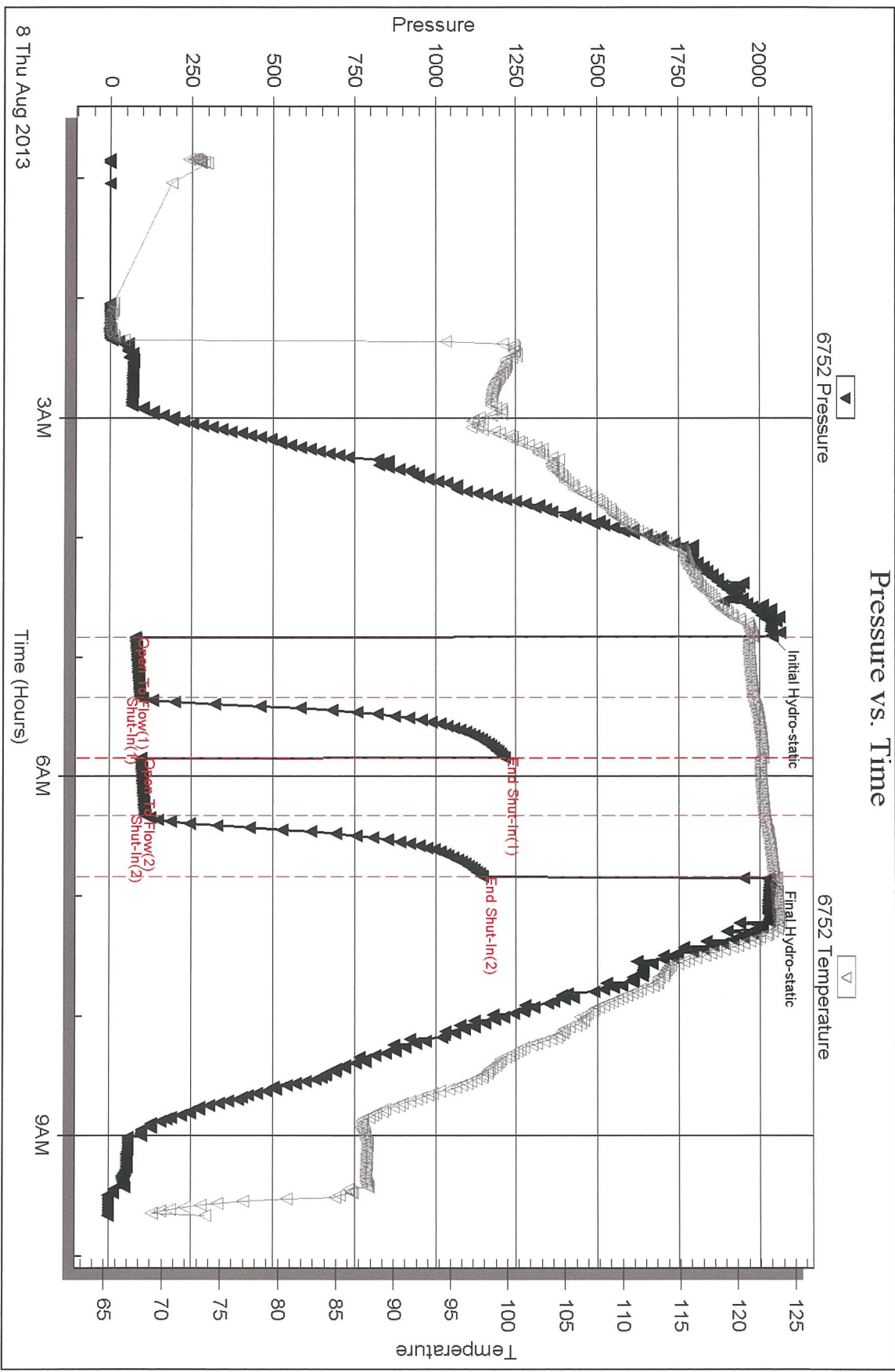
Inside

Palomino Petroleum

Johnson #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54386

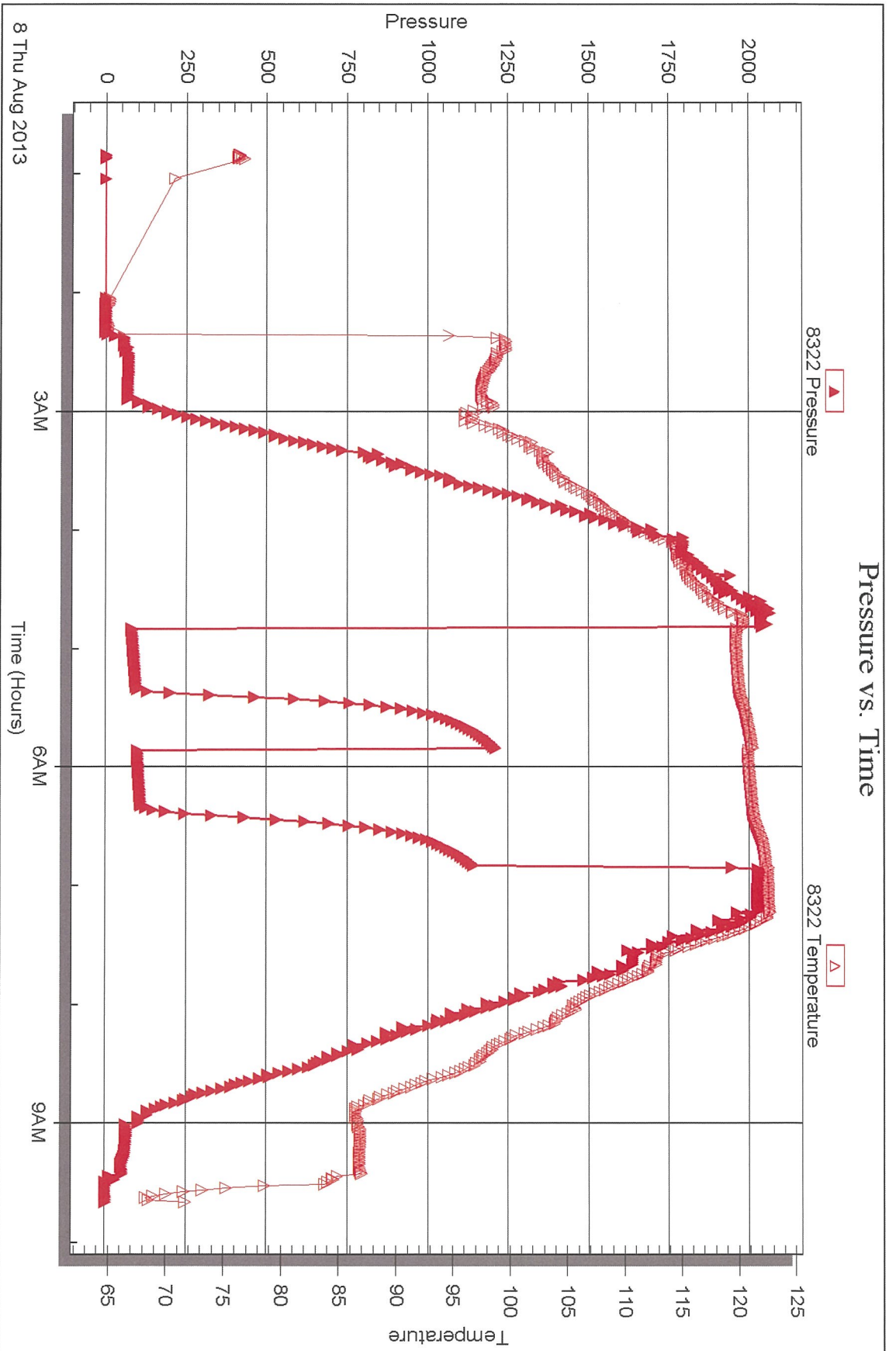
Printed: 2013.08.12 @ 09:31:50

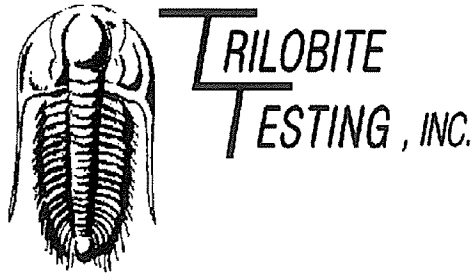
Serial #: 8322

Outside Palomino Petroleum

Johnson #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Johnson #1

2-16s-26w Ness,KS

Start Date: 2013.08.09 @ 18:30:00

End Date: 2013.08.10 @ 02:59:20

Job Ticket #: 54387 DST #: 2

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

Printed: 2013.08.12 @ 09:30:46

Palomino Petroleum
2-16s-26w Ness,KS
Johnson #1
DST # 2
Miss
2013.08.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

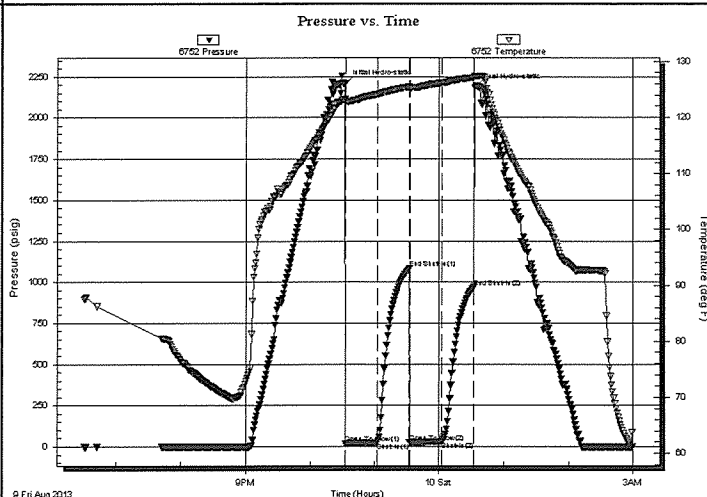
2-16s-26w Ness,KS
Johnson #1
Job Ticket: 54387 **DST#: 2**
Test Start: 2013.08.09 @ 18:30:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:32:40
Time Test Ended: 02:59:20
Interval: **4458.00 ft (KB) To 4545.00 ft (KB) (TVD)**
Total Depth: 4545.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 41
Reference Elevations: 2617.00 ft (KB)
2607.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6752 Inside
Press@RunDepth: 30.22 psig @ 4460.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.08.09 End Date: 2013.08.10 Last Calib.: 2013.08.10
Start Time: 18:30:01 End Time: 02:59:20 Time On Btm: 2013.08.09 @ 22:32:10
Time Off Btm: 2013.08.10 @ 00:33:00

TEST COMMENT: IF-1 1/2" blow
IS-No blow
FF-No blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2207.77	123.26	Initial Hydro-static
1	17.87	122.90	Open To Flow (1)
30	24.02	124.10	Shut-In(1)
60	1082.13	125.42	End Shut-In(1)
61	25.30	125.19	Open To Flow (2)
91	30.22	126.15	Shut-In(2)
120	968.51	127.11	End Shut-In(2)
121	2183.05	127.39	Final Hydro-static

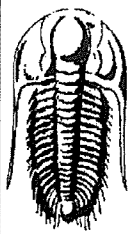
Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.01
30.00	SOCM 5%O 95%M	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

2-16s-26w Ness,KS
Johnson #1
Job Ticket: 54387 **DST#: 2**
Test Start: 2013.08.09 @ 18:30:00

GENERAL INFORMATION:

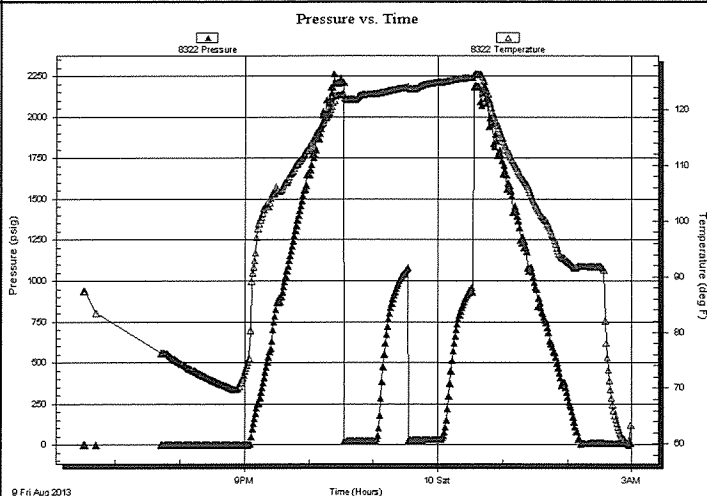
Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:32:40
Time Test Ended: 02:59:20
Interval: **4458.00 ft (KB) To 4545.00 ft (KB) (TVD)**
Total Depth: 4545.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 41
Reference Elevations: 2617.00 ft (KB)
2607.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8322

Outside

Press@RunDepth: psig @ 4460.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.08.09 End Date: 2013.08.10 Last Calib.: 2013.08.10
Start Time: 18:30:01 End Time: 02:59:20 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-1 1/2" blow
ISI-No blow
FF-No blow
FSI-No blow



PRESSURE SUMMARY

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

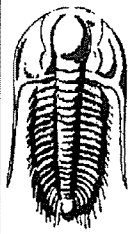
Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.01
30.00	SOCM 5%O 95%M	0.42

* 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

2-16s-26w Ness,KS

4924 SE 84th St
New ton KS 67114

Johnson #1

Job Ticket: 54387

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.08.09 @ 18:30:00

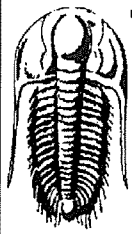
Tool Information

Drill Pipe:	Length: 4451.00 ft	Diameter: 3.80 inches	Volume: 62.44 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 62.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4458.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4436.00	
Hydraulic tool	5.00			4441.00	
Jars	5.00			4446.00	
Safety Joint	2.00			4448.00	
Packer	5.00			4453.00	27.00 Bottom Of Top Packer
Packer	5.00			4458.00	
Stubb	1.00			4459.00	
Perforations	1.00			4460.00	
Recorder	0.00	6752	Inside	4460.00	
Recorder	0.00	8322	Outside	4460.00	
Change Over Sub	1.00			4461.00	
Drill Pipe	62.00			4523.00	
Change Over Sub	1.00			4524.00	
PERforations	18.00			4542.00	
Bullnose	3.00			4545.00	87.00 Bottom Packers & Anchor

Total Tool Length: 114.00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

2-16s-26w Ness,KS

4924 SE 84th St
New ton KS 67114

Johnson #1

Job Ticket: 54387

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.08.09 @ 18:30:00

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: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1.00	Free Oil	0.014
30.00	SOCM 5%O 95%M	0.421

Total Length: 31.00 ft

Total Volume: 0.435 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

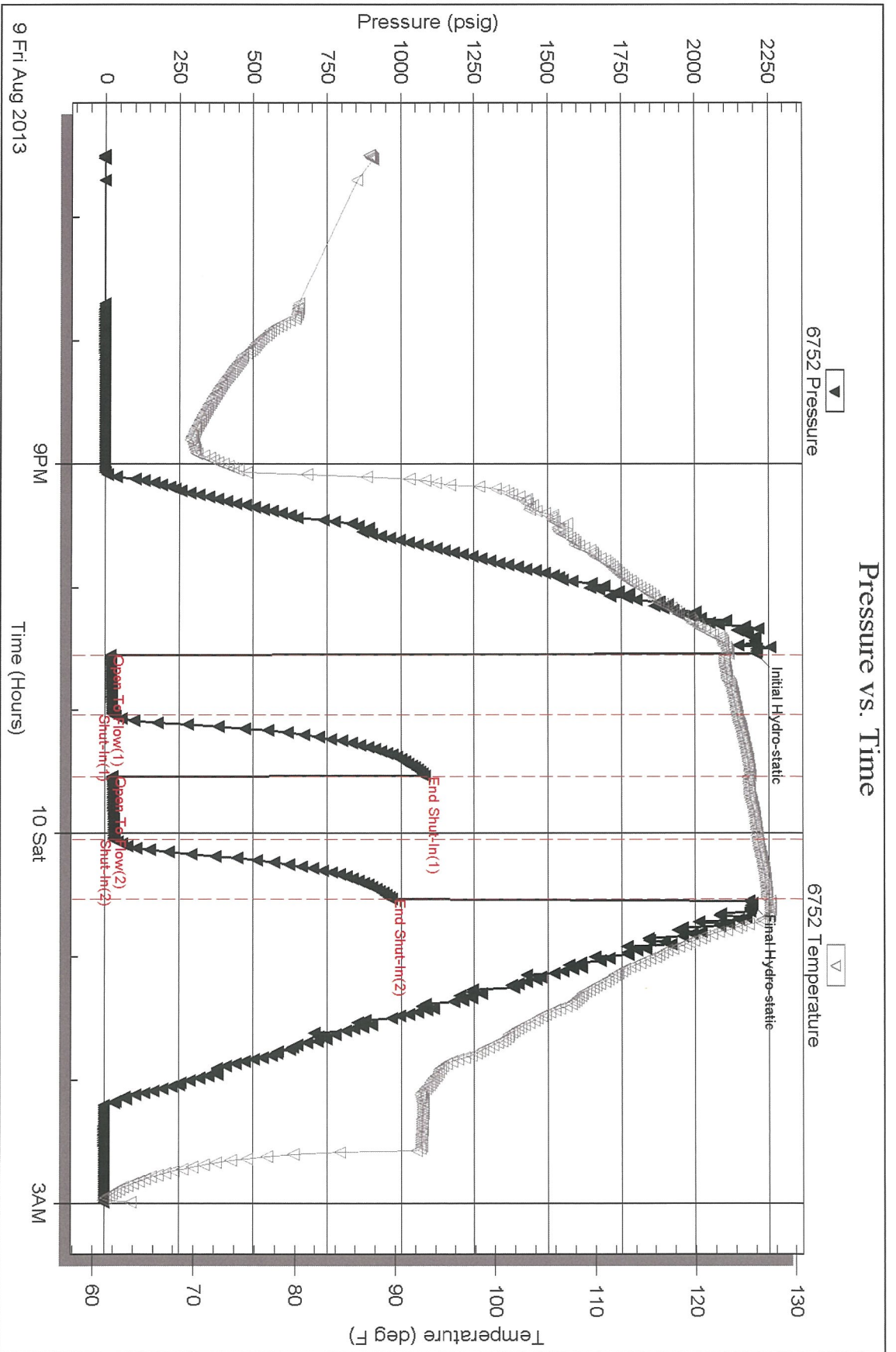
Serial #: 6752

Inside

Palomino Petroleum

Johnson #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54387

Printed: 2013.08.12 @ 09:30:49

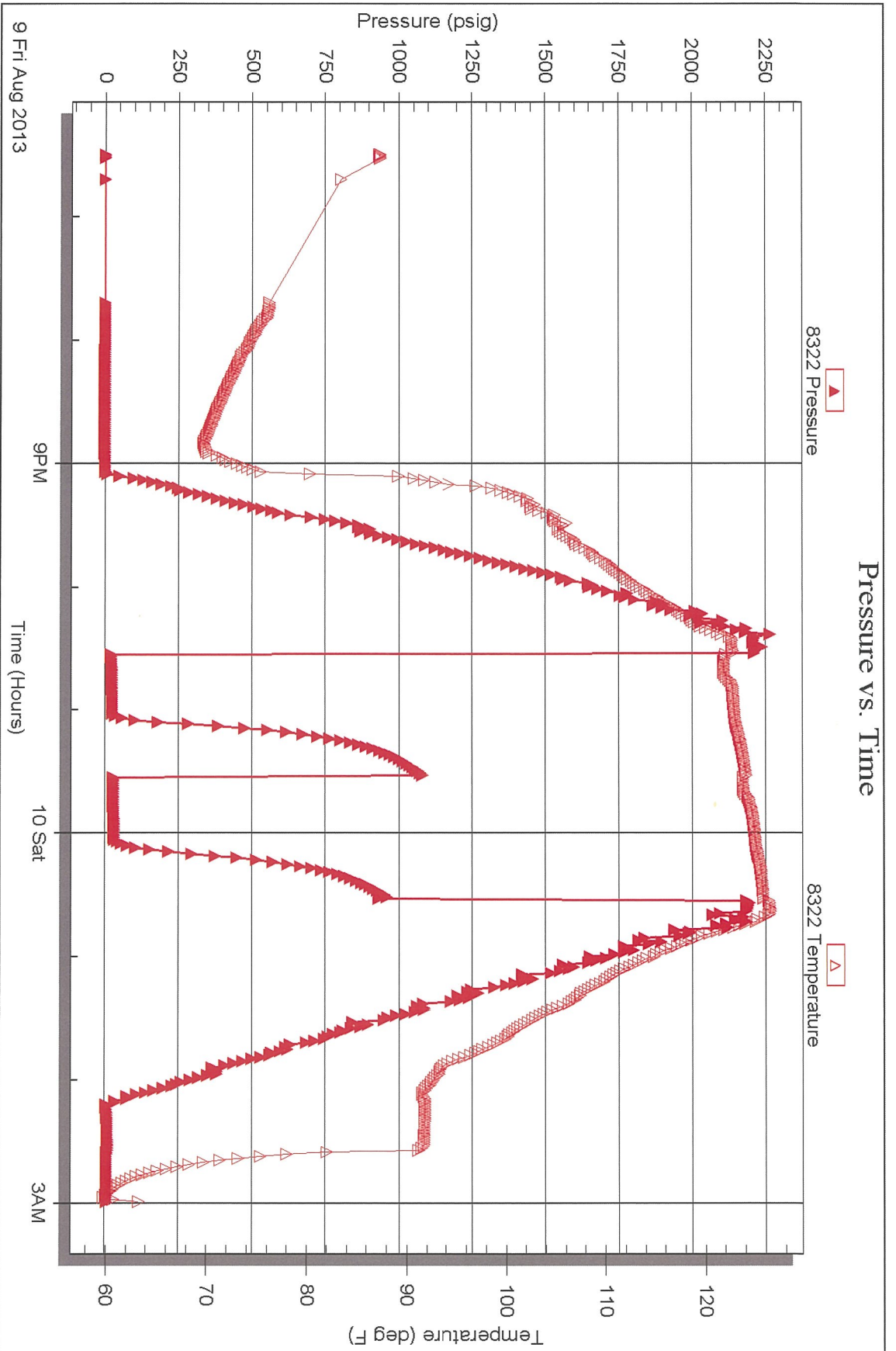
Serial #: 8322

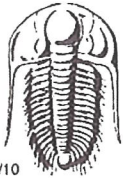
Outside

Palomino Petroleum

Johnson #1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54386

Well Name & No. Johnson #1 Test No. 1 Date 8-7-13
 Company Palomino Petroleum Elevation 2617 KB 2607 GL
 Address 4924 SE ~~14th~~ 84th St Newton KS, 67114
 Co. Rep / Geo. Andrew Stenzel Rig Maurice #106
 Location: Sec. 2 Twp. 16S Rge. 26W Co. Ness State KS

Interval Tested 4072 4225 Zone Tested Loring H-L
 Anchor Length 153 Drill Pipe Run 4062 Mud Wt. 9.3
 Top Packer Depth 4068 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 4072 Wt. Pipe Run 0 WL 7.8
 Total Depth 4225 Chlorides 2000 ppm System LCM TR

Blow Description Weak surface blow built to 2in
Dead no blow back
Dead no blow
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Clear Oil</u>		<u>100</u>		
<u>65</u>	<u>Mud with oil spots</u>				<u>100</u>

Rec Total 662 BHT 110 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2040 Test 1250 T-On Location 22:30
 (B) First Initial Flow 79 Jars 250 T-Started 00:150
 (C) First Final Flow 94 Safety Joint 75 T-Open 04:48
 (D) Initial Shut-In 1215 Circ Sub T-Pulled 06:48
 (E) Second Initial Flow 97 Hourly Standby 2 hrs 200 T-Out 09:38
 (F) Second Final Flow 108 Mileage 150 RT 106rt 164.30 Comments told on
 (G) Final Shut-In 1148 Sampler Bank @ 23:00
 (H) Final Hydrostatic 2029 Straddle DN Bank @ :02:00
 Ruined Shale Packer
 Ruined Packer

Initial Open 30 Shale Packer
 Initial Shut-In 30 Extra Packer
 Final Flow 30 Extra Recorder
 Final Shut-In 30 Day Standby
 Accessibility
 Sub Total 1814.30 Sub Total 0
 Total 1814.30 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54387

410

Well Name & No. Johnson #1 Test No. 2 Date 8/9/13
 Company Palemone Petroleum Elevation 2617 KB 2607 GL
 Address 4924 SE 84th St Newton KS, 67114
 Co. Rep / Geo. Andrew Stenzel Rig Maurice #106
 Location: Sec. 2 Twp. 16S Rge. 26W Co. Neos State KS

Interval Tested 4458-4545 Zone Tested Miss
 Anchor Length 87 Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 4453 Drill Collars Run _____ Vis 49
 Bottom Packer Depth 4458 Wt. Pipe Run _____ WL 7.2
 Total Depth 4545 Chlorides 6,400 ppm System LCM _____

Blow Description IF - 1 1/2 in blow
ISF - No blow
EF - No blow
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free Oil</u>	<u>100</u>			
<u>30</u>	<u>SOCAL</u>	<u>5</u>		<u>95</u>	
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 31 BHT 127 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2208</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>18:10</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>18:30</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>22:30</u>
(D) Initial Shut-In <u>1,082</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>00:30</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:00</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage <u>1500 TX2</u>	Comments <u>Prob Totes Per Standby</u>
(G) Final Shut-In <u>969</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2,183</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby 1d 8.5h Sub Total 1903.60
 Accessibility _____
 Sub Total 1903.60

Approved By _____ Our Representative Burd

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