

RECEIVED

SEP 11 2013

Invoice



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



DATE	INVOICE #
9/6/2013	25622

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	BVL	Ness	WW Drilling #10	Oil	Development	Cement 5-1/2" L...	David

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	20	Miles	6.00	120.00
578D-L	Pump Charge - Long String	1	Job	1,500.00	1,500.00
400-5	5 1/2" Guide Shoe	1	Each	200.00	200.00T
401-5	5 1/2" Insert Float With Auto Fill	1	Each	160.00	160.00T
403-5	5 1/2" Cement Basket	2	Each	285.00	570.00T
409-5	5 1/2" Turbolizer	9	Each	90.00	810.00T
402-5	5 1/2" Centralizer	1	Each	70.00	70.00T
410-5	5 1/2" Top Plug	1	Each	100.00	100.00T
404-5	5 1/2" Port Collar	1	Each	2,650.00	2,650.00T
325	Standard Cement	100	Sacks	14.00	1,400.00T
284	Calseal	5	Sack(s)	35.00	175.00T
283	Salt	500	Lb(s)	0.20	100.00T
285	CFR-1	50	Lb(s)	4.00	200.00T
276	Flocele	50	Lb(s)	2.00	100.00T
330	Swift Multi-Density Standard (MIDCON II)	125	Sacks	17.00	2,125.00T
281	Mud Flush	500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
290	D-Air	3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement	225	Sacks	2.00	450.00
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				11,831.00
	Sales Tax Ness County			6.15%	584.93

We Appreciate Your Business!

Total

\$12,415.93



CHARGE TO: Palomino Petroleum
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 25622

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>BVL</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Ransom</u>	DATE <u>9-6-13</u>	OWNER <u>Same</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>WWD Drilling</u>	RIG NAME/NO. <u>#10</u>	SHIPPED VIA	DELIVERED TO <u>Location</u>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <u>D-1</u>	WELL CATEGORIES <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" 14' Longstring</u>				WELL LOCATION <u>Ransom</u>	<u>KS - 4w 8.5 W.</u>
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575				MILEAGE			20	mi	6.00	120.00
578				Pump Charge	1	job			1500.00	1500.00
400				Guide Shoe	5 1/2	in	1	ea	200.00	200.00
401				Insert Fleet w/ Aulo Fill	5 1/2	in	1	ea	160.00	160.00
403				Cement Basket	5 1/2	in	2	ea	285.00	570.00
409				Turbolizer	5 1/2	in	9	ea	90.00	810.00
402				Centralizer	5 1/2	in	1	ea	70.00	70.00
410				Pop Plug	5 1/2	in	1	ea	100.00	100.00
404				Part Collar	5 1/2	in	1	ea	2650.00	2650.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X: DATE SIGNED 9-6-13 TIME SIGNED 1200

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	60180.00
WE UNDERSTOOD AND MET YOUR NEEDS?				1	5851.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				1	11831.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				1	584.93
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	12,415.93

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES. This customer hereby certifies that the materials and services listed on this ticket were used in the work performed.

SWIFT OPERATOR: David Kuhn APPROVAL:

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 25622

CUSTOMER *Palomino Petroleum* WELL *BVL #1* DATE *9-6-13* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL			UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	UM	QTY.			UM
325						Standard Cement				14	1400	1960
284						Calscal	5	%	5	35	175	175
283						Salt	10	%	500	00	160	160
285						CFR-1	1/2	%	50	4	200	200
276						Floacle	1/4	lb	50	2	100	100
330						SMD Cement			125	17	2125	2125
281						MudFlush			500	1	625	625
221						Liquid HCL			4	25	100	100
290						D-Air			3	42	126	126
582						<i>Minimum Drayage Charge</i>			1	250	250	250
581						<i>MILEAGE CHARGE</i>			225	2	450	450

CONTINUATION TOTAL 5651.00

JOB LOG

SWIFT Services, Inc.

DATE 9-6-13 PAGE NO. 1

CUSTOMER Palomares Petroleum WELL NO. #1 LEASE BVL JOB TYPE Cement 5 1/2" 14" Longstring TICKET NO. 25622

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							On Location
								TD - 4597 TP - 4596 SJ - #1 42.10 P.C. - #66 1832' TurboLizer - #1" 2" 3" 4" 5" 6" 7" 8" 9" 65' Basket - #2" 66 5 1/2" 14"
								100 sks EA-2 w/ 1/4" Flo 125 sks SMD w/ 1/4" Flo
	1215							Start 5 1/2 14" casing in well
	1405							Drop Ball circulate
	1505	6 3/4	12		✓	350	Pump	500 gal Muel Flush
		6 3/4	20		✓	350	Pump	20 bbl HCL Flush
	1515		11					Plug RH (30 sks)
	1518	4 1/2	35		✓	200	mix	95 sks SMD @ 12.7 ppq
		4 1/2	24		✓	200	mix	100 sks EA-2 @ 15.5 ppq
	1533							wash out Pump + Lines Release Top Plug
	1537	6 3/4	0		✓	100	Start	Displacement
		6 3/4	46		✓	450	Lift	PSE
		6 3/4	110		✓	750	Max	Lift PSE
	1600	6 3/4	111.1		✓	1600	Land	Top Plug
	1603							Release Pressure - Hold -
	1605							wash up truck
								Thank You Dave Blaine Dusky Flint Dug



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

SEP 07 2013

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

INVOICE

Invoice # 261959

Invoice Date: 08/31/2013 Terms: 10/10/30,n/30 Page 1

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

BVL #1
38102
29-16S-24W
08-31-2013
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	18.5500	3060.75
1102	CALCIUM CHLORIDE (50#)	465.00	.9400	437.10
1118B	PREMIUM GEL / BENTONITE	310.00	.2700	83.70

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-358.16
9995-130	CEMENT EQUIPMENT DISCOUNT	-176.37

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	35.00	5.25	183.75
693 MIN. BULK DELIVERY	1.00	430.00	430.00

Amount Due 5565.57 if paid after 09/30/2013

Parts:	3581.55	Freight:	.00	Tax:	198.24	AR	5009.01
Labor:	.00	Misc:	.00	Total:	5009.01		
Sublt:	-534.53	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



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

261959

TICKET NUMBER 38102
LOCATION Oakley, KS
FOREMAN Jerry Yates

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-31-13	6285	BVL #1	29	165	24w	Ness
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			463	Corey D		
CITY			693	Jack J		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 218 CASING SIZE & WEIGHT 8 5/8 24#
 CASING DEPTH 218 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12.6 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: soft meeting + rig up on well/break circulation w/ rig free, hookup to truck and mix 165 sks com class A w/ 32 calcium chloride and 23 gal washup + displaced with 12.6 bbl fresh water and shot in. Cement did circulate approx 463/ to pit

Cement did circulate Thank you Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150 ⁰⁰	1150 ⁰⁰
5406	3.5	MILEAGE	5.25	183 ⁷⁵
5407	7.8	ton mileage delivery (min)	1.15	430 ⁰⁰
1104s	165 sks	com class A	18.55	3060 ⁷⁵
1102	465 #	calcium chloride	.94	437 ¹⁰
1118B	310 #	gel	.27	83 ⁷⁰
			subtotal	5345 ³⁰
			less 10% disc	534 ⁵³
			subtotal	4810 ⁷²
			SALES TAX	198.24
			ESTIMATED TOTAL	5009.01

completed

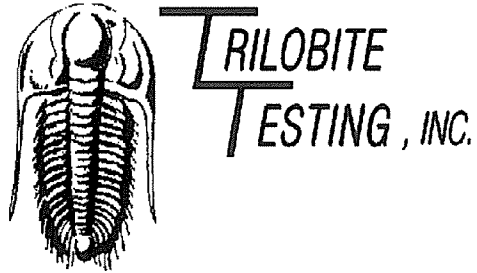
Revin 3737

AUTHORIZATION

TITLE T.P.

DATE 8-31-13

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**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

BVL #1

29-16s-24w Ness,KS

Start Date: 2013.09.04 @ 22:51:09

End Date: 2013.09.05 @ 07:06:29

Job Ticket #: 54395 DST #: 1

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

Printed: 2013.09.06 @ 11:14:42

Palomino Petroleum

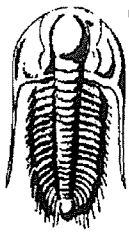
29-16s-24w Ness,KS

BVL #1

DST # 1

Cherokee Sd

2013.09.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St.
New ton, KS 67114
ATTN: Ryan Seib

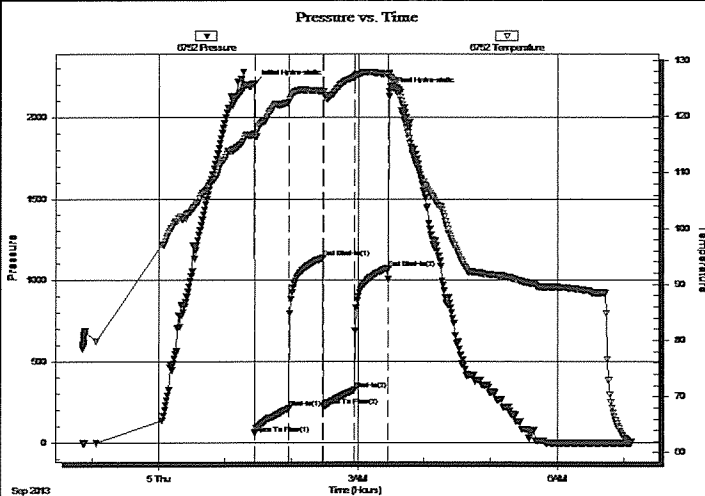
29-16s-24w Ness,KS
BVL #1
Job Ticket: 54395 **DST#: 1**
Test Start: 2013.09.04 @ 22:51:09

GENERAL INFORMATION:

Formation: **Cherokee Sd**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:26:39 Tester: Tate Lang / Bob Hame
 Time Test Ended: 07:06:29 Unit No: 41
 Interval: **4460.00 ft (KB) To 4513.00 ft (KB) (TVD)** Reference Elevations: 2498.00 ft (KB)
 Total Depth: 4513.00 ft (KB) (TVD) 2493.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 324.18 psig @ 4463.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.04 End Date: 2013.09.05 Last Calib.: 2013.09.05
 Start Time: 22:51:10 End Time: 07:06:29 Time On Btm: 2013.09.05 @ 01:26:09
 Time Off Btm: 2013.09.05 @ 03:27:59

TEST COMMENT: BOB in 6 1/2 min
 Weak surface blow back built to 2 1/2 in.
 BOB in 9 min.
 Weak surface blow back built to 1 1/2 in.



PRESSURE SUMMARY

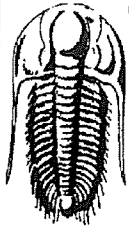
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2207.35	116.82	Initial Hydro-static
1	55.96	116.43	Open To Flow (1)
32	213.52	122.57	Shut-In(1)
62	1134.98	124.51	End Shut-In(1)
63	224.41	124.25	Open To Flow (2)
91	324.18	127.02	Shut-In(2)
122	1073.03	127.42	End Shut-In(2)
122	2157.68	127.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	15 % G 80 % O 5% M	0.59
300.00	40% G 40 %O 20% M	4.17
120.00	30% G 50% O 20%M	1.68
240.00	10%G 90%O	3.37
0.00	360 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th St.
Newton, KS 67114
ATTN: Ryan Seib

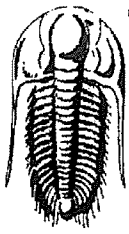
29-16s-24w Ness,KS
BVL #1
Job Ticket: 54395 **DST#: 1**
Test Start: 2013.09.04 @ 22:51:09

Tool Information

Drill Pipe:	Length: 4329.00 ft	Diameter: 3.80 inches	Volume: 60.72 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4460.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	80.00 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			4434.00	
Shut In Tool	5.00			4439.00	
Hydraulic tool	5.00			4444.00	
Jars	5.00			4449.00	
Safety Joint	2.00			4451.00	
Packer	5.00			4456.00	27.00 Bottom Of Top Packer
Packer	4.00			4460.00	
Stubb	1.00			4461.00	
Perforations	1.00			4462.00	
Change Over Sub	1.00			4463.00	
Recorder	0.00	6752	Inside	4463.00	
Recorder	0.00	8322	Outside	4463.00	
Drill Pipe	31.00			4494.00	
Change Over Sub	1.00			4495.00	
perforations	15.00			4510.00	
Bullnose	3.00			4513.00	53.00 Bottom Packers & Anchor
Total Tool Length:	80.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St.
New ton, KS 67114
ATTN: Ryan Seib

29-16s-24w Ness,KS
BVL #1
Job Ticket: 54395 **DST#: 1**
Test Start: 2013.09.04 @ 22:51:09

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3800.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	15 % G 80 % O 5% M	0.590
300.00	40% G 40 %O 20% M	4.172
120.00	30% G 50% O 20%M	1.683
240.00	10%G 90%O	3.367
0.00	360 GIP	0.000

Total Length: 780.00 ft Total Volume: 9.812 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6752

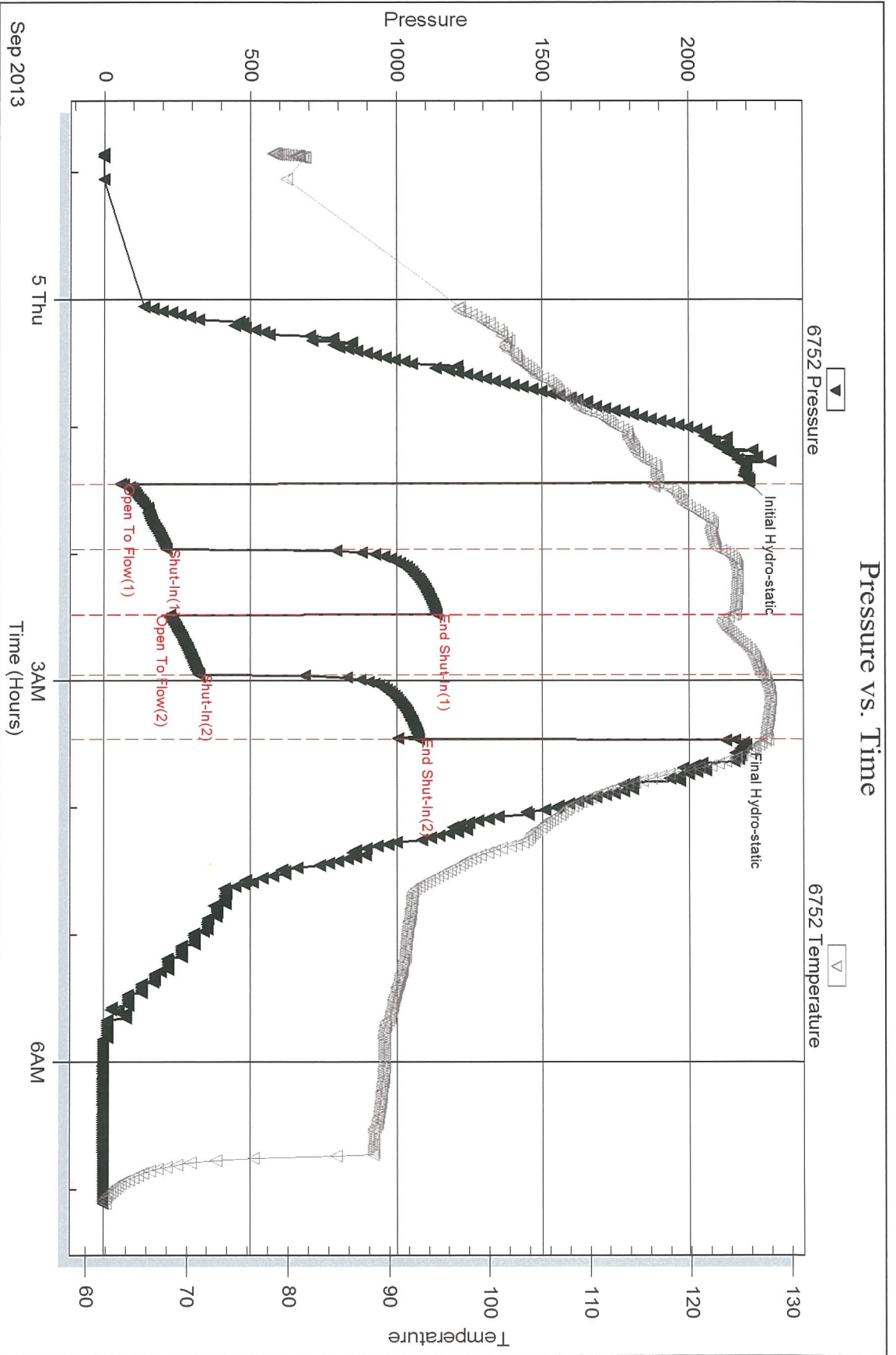
Inside

Palomino Petroleum

BVL #1

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 54395

Printed: 2013.09.06 @ 11:14:45

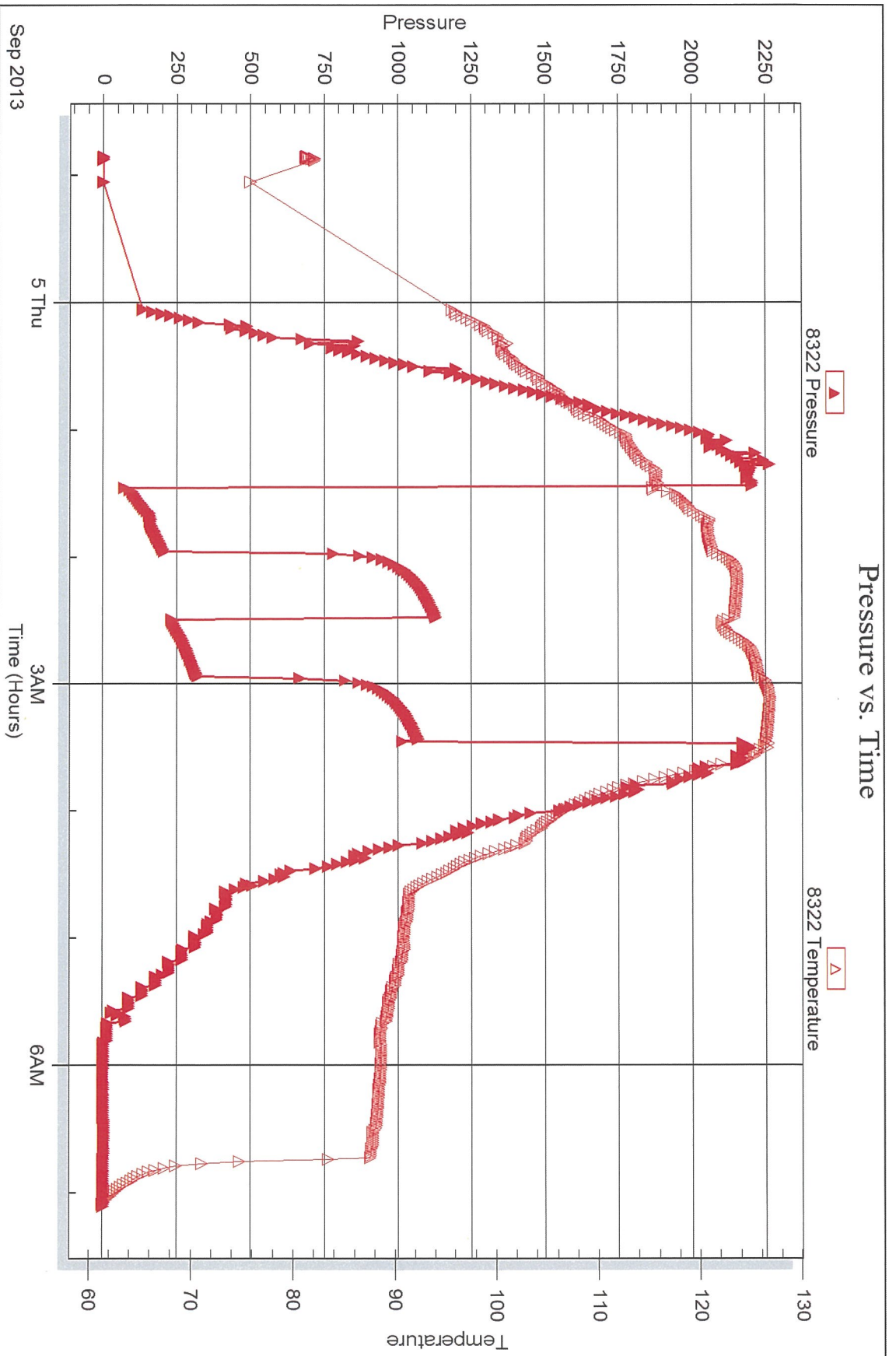
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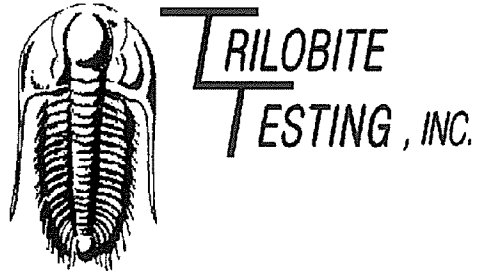
Outside

Palomino Petroleum

BVL #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

BVL #1

29-16s-24w Ness,KS

Start Date: 2013.09.05 @ 13:50:42

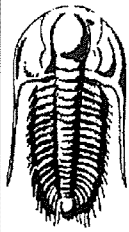
End Date: 2013.09.05 @ 18:46:51

Job Ticket #: 54396 DST #: 2

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

Printed: 2013.09.06 @ 11:14:14

Palomino Petroleum
29-16s-24w Ness,KS
BVL #1
DST # 2
Cherokee Sand
2013.09.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St.
New ton, KS 67114
ATTN: Ryan Seib

29-16s-24w Ness,KS

BVL #1

Job Ticket: 54396

DST#: 2

Test Start: 2013.09.05 @ 13:50:42

GENERAL INFORMATION:

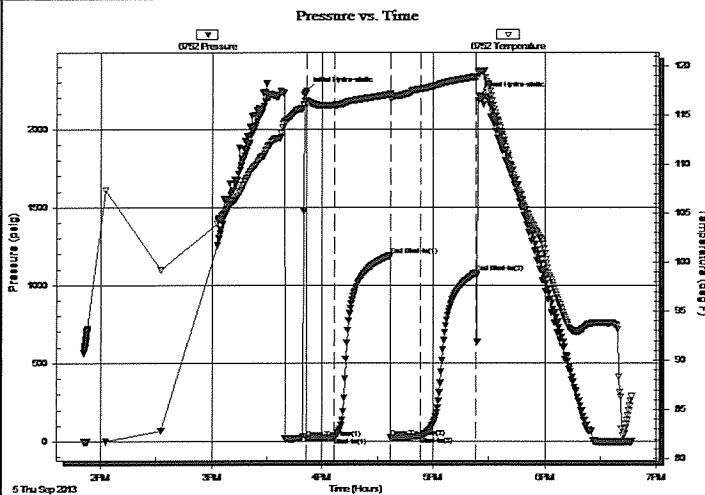
Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:51:32
 Time Test Ended: 18:46:51
 Interval: **4522.00 ft (KB) To 4533.00 ft (KB) (TVD)**
 Total Depth: 4533.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang / Bob Hame
 Unit No: 41
 Reference Elevations: 2498.00 ft (KB)
 2493.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 30.51 psig @ 4523.00 ft (KB)
 Start Date: 2013.09.05 End Date: 2013.09.05
 Start Time: 13:50:43 End Time: 18:46:52
 Capacity: 8000.00 psig
 Last Calib.: 2013.09.05
 Time On Btm: 2013.09.05 @ 15:51:22
 Time Off Btm: 2013.09.05 @ 17:24:42

TEST COMMENT: Open tool no intinal surge. Reset packers weak surface blow
 Dead no blow back
 Dead no blow
 Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.32	116.50	Initial Hydro-static
1	19.22	116.05	Open To Flow (1)
16	24.15	116.03	Shut-In(1)
46	1190.15	117.11	End Shut-In(1)
46	26.70	116.64	Open To Flow (2)
62	30.51	117.65	Shut-In(2)
92	1079.35	118.93	End Shut-In(2)
94	2216.41	119.53	Final Hydro-static

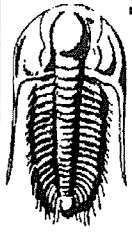
Recovery

Length (ft)	Description	Volume (bbl)
2.00	80 % oil 20% mud	0.01
8.00	5% oil 95% mud	0.04

* 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
4924 SE 84th St.
New ton, KS 67114
ATTN: Ryan Seib

29-16s-24w Ness,KS
BVL #1
Job Ticket: 54396 **DST#: 2**
Test Start: 2013.09.05 @ 13:50:42

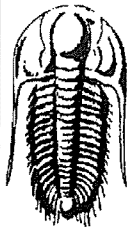
Tool Information

Drill Pipe:	Length: 4391.00 ft	Diameter: 3.80 inches	Volume: 61.59 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 62.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4522.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	38.00 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			4496.00	
Shut In Tool	5.00			4501.00	
Hydraulic tool	5.00			4506.00	
Jars	5.00			4511.00	
Safety Joint	2.00			4513.00	
Packer	5.00			4518.00	27.00 Bottom Of Top Packer
Packer	4.00			4522.00	
Stubb	1.00			4523.00	
Recorder	0.00	6752	Inside	4523.00	
Recorder	0.00	8322	Outside	4523.00	
Perforations	7.00			4530.00	
Bullnose	3.00			4533.00	11.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St.
New ton, KS 67114
ATTN: Ryan Seib

29-16s-24w Ness,KS
BVL #1
Job Ticket: 54396 **DST#: 2**
Test Start: 2013.09.05 @ 13:50:42

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	80 % oil 20% mud	0.010
8.00	5% oil 95% mud	0.039

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 #: 6752

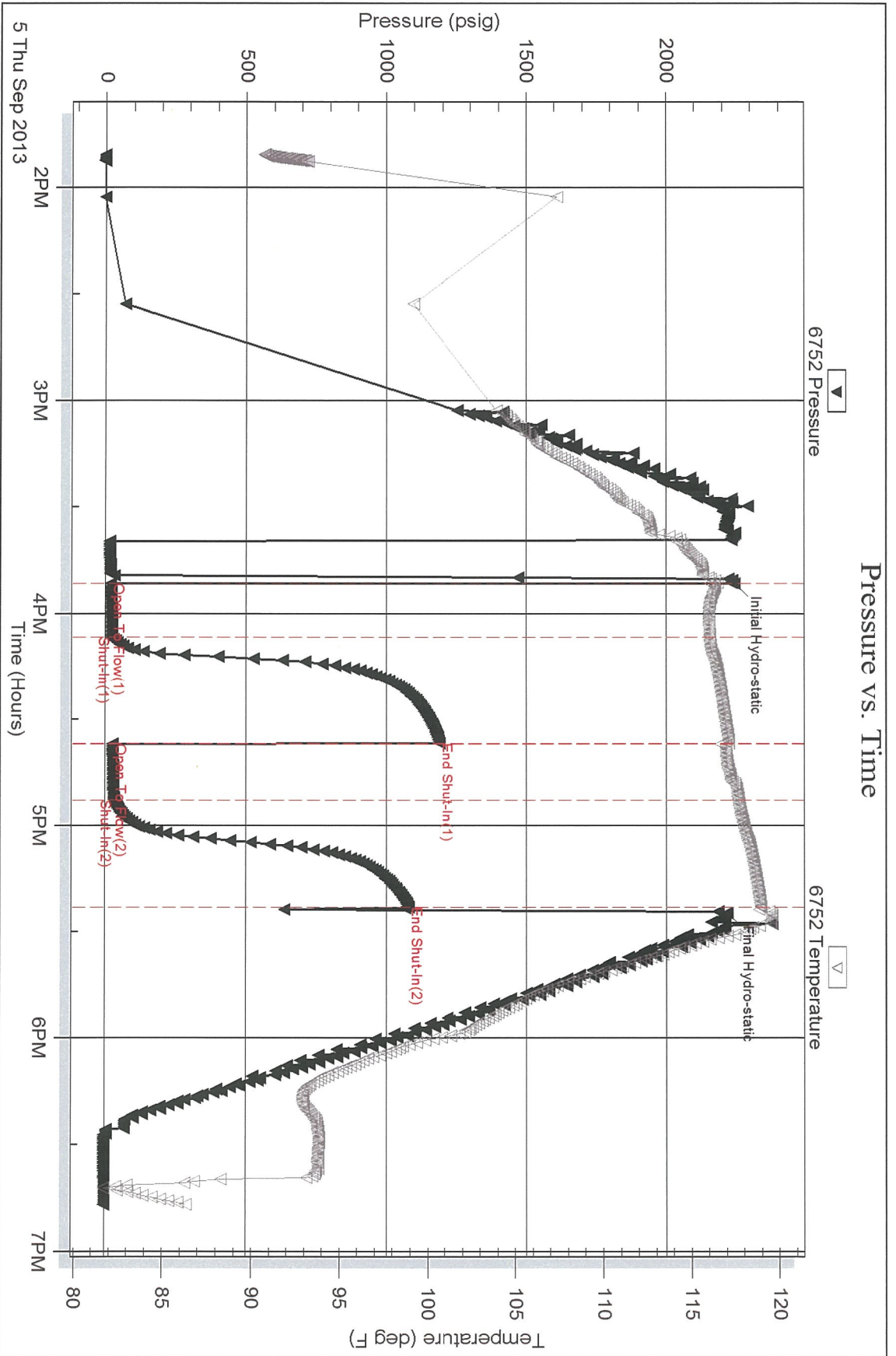
Inside

Palomino Petroleum

BVL #1

DST Test Number: 2

Pressure vs. Time



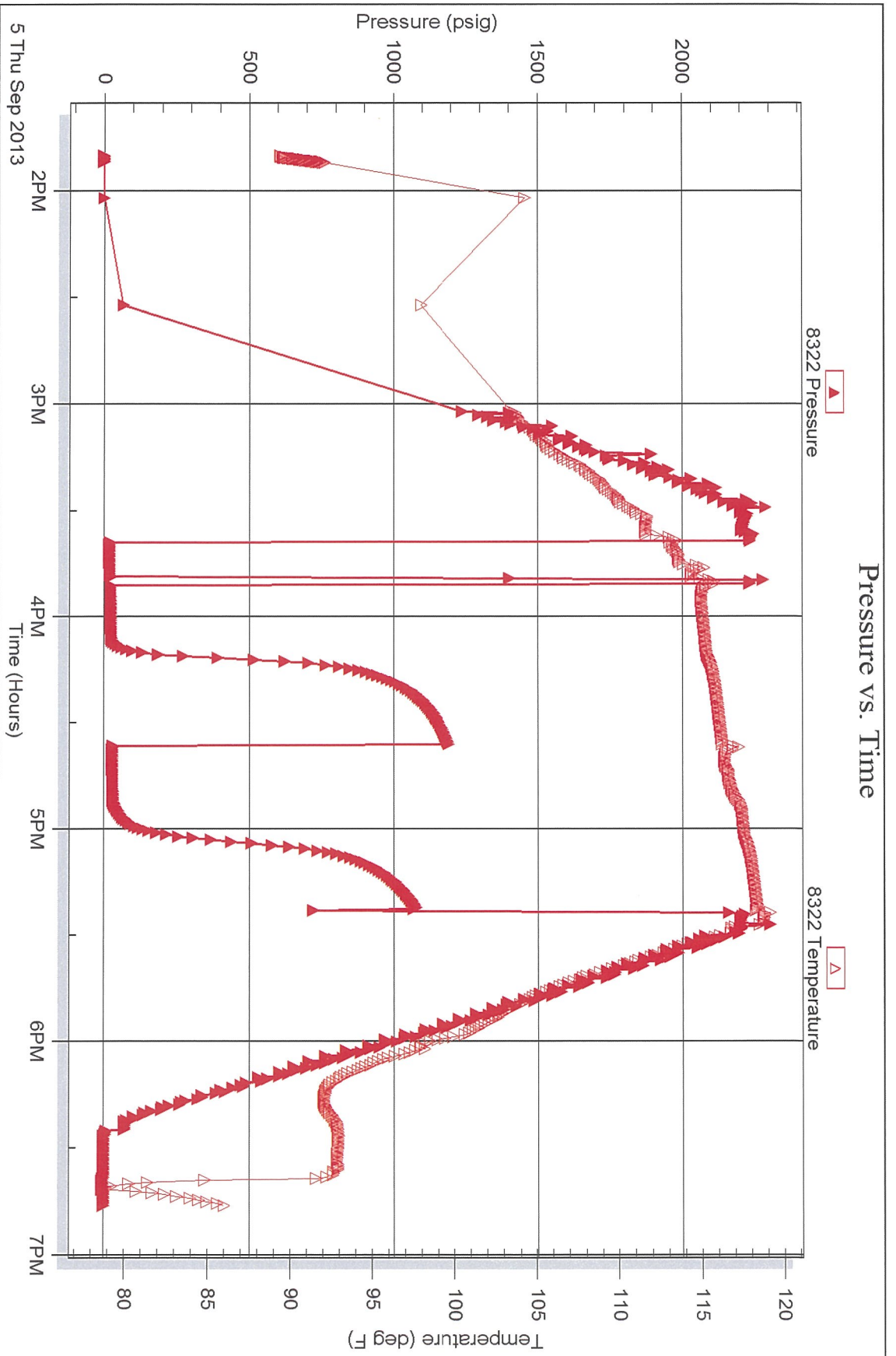
Serial #: 8322

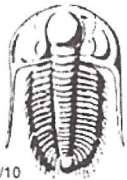
Outside

Palomino Petroleum

BVL #1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54395

Well Name & No. BVL #1 Test No. 1 Date 9/4/13
 Company Putomino Petroleum Elevation 2498 KB 2493 GL
 Address 4924 SE 84th St Newton KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW Rig #10
 Location: Sec. 29 Twp. 16S Rge. 24W Co. NESS State KS

Interval Tested 4460 4513 Zone Tested Cherokee Sd.
 Anchor Length 531 Drill Pipe Run 4329 Mud Wt. 9.4
 Top Packer Depth 4456 Drill Collars Run 124 Vis 51
 Bottom Packer Depth 4460 Wt. Pipe Run 0 WL 810
 Total Depth 4513 Chlorides 3880 ppm System LCM 1#

Blow Description B.O.B. In 6 1/2 min.
Weak surface blow back built to 2 1/2 in.
B.O.B. In 9 min.
Weak surface blow back built to 1 1/2 in.

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>360' G.P.</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>240'</u>	<u>MC G.O.</u>	<u>10</u>	<u>90</u>	<u>0</u>	<u>0</u>
<u>120'</u>	<u>MC G.O.</u>	<u>30</u>	<u>50</u>	<u>0</u>	<u>20</u>
<u>300'</u>	<u>MC G.O.</u>	<u>40</u>	<u>40</u>	<u>0</u>	<u>20</u>
<u>120'</u>	<u>5 MC G.O.</u>	<u>15</u>	<u>80</u>	<u>0</u>	<u>5</u>

Rec Total 780' BHT 127 Gravity 37 API RW 37 @ 60 ° F Chlorides 3880 ppm

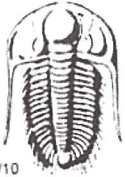
(A) Initial Hydrostatic 2,207 Test 1250 T-On Location 21:10
 (B) First Initial Flow 56 Jars 250 T-Started 22:51
 (C) First Final Flow 214 Safety Joint 75 T-Open 01:27
 (D) Initial Shut-In 4,135 Circ Sub T-Pulled 03:27
 (E) Second Initial Flow 224 Hourly Standby T-Out 07:06
 (F) Second Final Flow 324 Mileage 130 R/T 201.50 Comments _____
 (G) Final Shut-In 4,073 Sampler _____
 (H) Final Hydrostatic 2,158 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____

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

Sub Total 0
 Total 2026.50
 MP/DST Disc't _____

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54396

Well Name & No. BVL #1 Test No. 2 Date 9/5/13
 Company Palomino petroleum Elevation 2,498 KB 2,493 GL
 Address 4924 SE 84th St. Newton KS. 67114
 Co. Rep / Geo. Ryan Seib Rig WW Rig #10
 Location: Sec. 29 Twp. 16S Rge. 24W Co. NeSS State KS.

Interval Tested 4,522 - 4,533 Zone Tested Cherokee SAND
 Anchor Length 11 Drill Pipe Run 4,391 Mud Wt. 9.3
 Top Packer Depth 4,518 Drill Collars Run 124 Vis 60
 Bottom Packer Depth 4,522 Wt. Pipe Run --- WL 8.0
 Total Depth 4,533 Chlorides 4,200 ppm System LCM 1

Blow Description open tool no initial Blow. Reset packers weak surface blow
Dead no blow back
Dead no blow
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
2'	MCO		80	20	
8'	SOCM		5	95	
10'	total Fluid Recovery				

Rec Total 10' BHT 119° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2,244 Test 1250 T-On Location 13:45:00
 (B) First Initial Flow 19 Jars 250 T-Started 13:50
 (C) First Final Flow 24 Safety Joint 75 T-Open 15:50
 (D) Initial Shut-In 1,190 Circ Sub _____ T-Pulled 17:20
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 18:44
 (F) Second Final Flow 31 Mileage 130 X2 403 Comments Loaded tools
 (G) Final Shut-In 1,029 Sampler _____ 9/6/13
 (H) Final Hydrostatic 2,216 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 30
 Sub Total 2228
 Total 2228
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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