



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1294882  
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: \_\_\_\_\_

1294882

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Kaw 3
Doc ID	1294882

All Electric Logs Run

Dual Receiver Cement Bon
Gamma Ray
Borehole Compensated Neutron
Phased Induction
Micro
Photoelectric Lithology Density
X-Y Caliper

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Kaw 3
Doc ID	1294882

Tops

Name	Top	Datum
Heebner	1585	(-187)
Brown Lime	1794	(-396)
Lansing	1842	(-444)
Stark	2146	(-748)
Miss.	2368	(-970)
Hunton	2518	(-1120)
Viola	2549	(-1142)
Arbuckle	2700	(-1302)





**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

OCT 16 2015

MAIN OFFICE

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

Invoice

Invoice#

806029

Invoice Date: 10/13/15

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET  
NEWTON KS 67114-8827  
USA

KAUS #3

Tax: 203.29

Total: 4,168.99



**CONSOLIDATED**  
Oil Well Services, LLC

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

4464  
Field #1372  
4372  
**Invoice # 806029**

TICKET NUMBER 46220  
LOCATION GL Dorado  
FOREMAN Fuzz

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-7-15	6285	Kaw # 3	6	22	4	Manion
CUSTOMER Palomino Pet			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 4924 SE 84th			760 / Chris			
CITY STATE ZIP CODE Newton KS 67114			681 / Jeremy			

JOB TYPE surface HOLE SIZE 12 1/4 HOLE DEPTH 218' CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 218' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.7 SLURRY VOL 39.9 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12.6 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_  
 REMARKS: Safety meeting on W.W. #6. Rig up est circulation.  
Mix 165 sks class A' 390cc 290cc w 1# poly plate peak  
Displace 12 1/2 AKL and shot in.

Cement did circulate approx 4 BBL to pit

Thanks Fuzz & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CC0450	1	PUMP CHARGE	1500 <sup>00</sup>	1500 <sup>00</sup>
CC0007	30	MILEAGE	7.12	214 <sup>00</sup>
CC0711	7.8 ton	Ton mileage Delivery (min)	122	660 <sup>00</sup>
CC380M	165 sks	Class A'	20 <sup>00</sup>	3300 <sup>00</sup>
CC3325	500 #	Calcium chloride	1 <sup>00</sup>	500 <sup>00</sup>
CC3965	350 #	Gel	.30	105 <sup>00</sup>
CC6075	165 #	Poly. Plate	2 <sup>00</sup>	330 <sup>00</sup>
		subtotal		6609 <sup>50</sup>
		discount	4090	2643 <sup>80</sup>
		subtotal		3965 <sup>20</sup>
		SALES TAX		203.29
		ESTIMATED TOTAL		4168.99

AUTHORIZATION Maub Basse TITLE Toolp.cler DATE \_\_\_\_\_  
 Ravin 3737

# SWIFT



Services, Inc.

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



RECEIVED

OCT 16 2015

## Invoice

DATE	INVOICE #
10/12/2015	29034

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	#3	Kaw	Marion	WW Drilling Rig #6	SWD	Development	Cement 5-1/2" L...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	150	Miles	5.00	750.00
579D	Pump Charge - Top To Bottom LongString	1	Job	1,700.00	1,700.00
403-5	5 1/2" Cement Basket	1	Each	250.00	250.00T
405-5	5 1/2" Formation Packer Shoe	1	Each	1,300.00	1,300.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	225.00	225.00T
409-5	5 1/2" Turbolizer	8	Each	75.00	600.00T
330	Swift Multi-Density Standard (MIDCON II)	350	Sacks	15.75	5,512.50T
276	Flocele	100	Lb(s)	2.25	225.00T
281	Mud Flush	500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
290	D-Air	4	Gallon(s)	42.00	168.00T
581D	Service Charge Cement	350	Sacks	1.50	525.00
583D	Drayage	2,617.5	Ton Miles	0.75	1,963.13
	Subtotal				13,893.63
	SWD &/Or InJection Well, Exempt From Sales Tax			0.00%	0.00

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$13,893.63
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CHARGE TO: Plowino Plowblum  
 ADDRESS:  
 CITY, STATE, ZIP CODE

TICKET 29034  
 PAGE 1 OF 2

1. SERVICE LOCATIONS: Ness City KS WELL/PROJECT NO.: 3 LEASE # 3 COUNTY/PARISH: Marion STATE: KS CITY: Peabody DATE: 10-12-15 OWNER: Swinc

2. TICKET TYPE: Hours CONTRACTOR: W & W Drilling Co. RIG NAME/NO.: # 6 SHIPPED VIA: CT DELIVERED TO: Location ORDER NO.:

3. WELL TYPE: SWD WELL CATEGORY: Development JOB PURPOSE: Cement 5 1/2" Loughstring WELL PERMIT NO.:

4. REFERRAL LOCATION: SWD INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT								
575				Turk # 112				150	in	5.00	750.00
579				Pump Charge - Top to Bottom		1	job			1700.00	1700.00
403				Cement Basket		5 1/2	in	1	ea	250.00	250.00
405				Formation Basket Shoe		5 1/2	in	1	ea	1300.00	1300.00
406				Leak Down Plug + Baffle		5 1/2	in	1	ea	225.00	225.00
409				Turbolizer		5 1/2	in	8	ea	75.00	600.00

**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 Blum David DATE SIGNED: 10-12-15 TIME SIGNED: 0800 P.M.

SWIFT OPERATOR: David Blum APPROVAL:

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

**REMIT PAYMENT TO:**  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL #2      TOTAL 13,093.63

Subtotal 13,893.63  
 SWIFT TAX 5.00  
 Net Tax 1.00

Thank You!



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

TICKET CONTINUATION

TICKET No. 29034

CUSTOMER: Palomino Petroleum  
 WELLS: New #3  
 DATE: 10-2-15  
 PAGE: 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M		
330		1				5MD Cement			15 75	5512 50
276		1				Flock	1/4	16	2 25	225 00
281		1				Mud Flush			1 25	625 00
221		1				Liquid WCL			2 25	50 00
290		1				D-Air			4 42	168 00
581		1				SERVICE CHARGE			1 50	525 00
583		1				MILEAGE CHARGE			0 75	1963 13

TOTAL MILES: 34900  
 LOADED MILES: 150

CUBIC FEET: 350  
 TON MILES: 2617.5

CONTINUATION TOTAL: 9068.63

JOB LOG

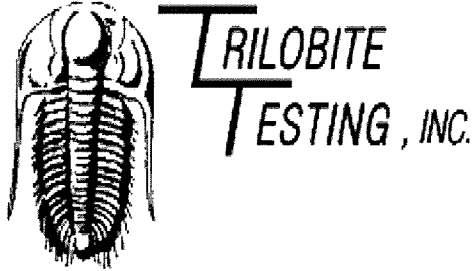
SWIFT Services, Inc.

DATE 10-12-15 PAGE NO.

CUSTOMER Palomino Petroleum WELL NO. #3 LEASE Kaw JOB TYPE Cement 5 1/2" Longstring TICKET NO. 290341

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0645							on location 5 1/2" 14"
								RTD- 3100 LTD- 3100 TP- 2794' Set- 2791' SJ- "1 40.81" Turbo- "1 3" 5" 7" 9" 11" 13" 15" Basket- "2
	1010							Start 5 1/2" 14" casing in well
	1130							Break Circulation
	1243	Ø	60				??	Set Basket Shoe * Saw No PSI*
	1304	6 1/2	12				400	Pump 500 gal Mud Flush
		6 1/2	20				400	Pump 20 bbl HCL Flush
			16					Plug RH (30 sks)
	1317	5 1/2	<del>13</del> 13				300	mix 2 1/2 sks SMD @ 11.2 ppg
		5 1/2	21				100	mix 75 sks SMD @ 14 ppg
								Wash out Pump + Lines Release Latch Down Plug
	1354	6 1/2	Ø				150	Start Displacement
		6 1/2	20				300	Lift Pressure
		6 1/2	53				500	Circulate Cement to pit * 25 sks*
		6 1/2	65				800	Max Lift Pressure
	1406	6 1/2	67.1				1700	Land Latch Down Plug
								Release Pressure * Plug Hold*
								Wash up truck
	1445							Job Complete

Thank You  
Dave John Preston



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114+8827

ATTN: Jerry Smith

**Kaw #3**

**6-22s-4e Marion,KS**

Start Date: 2015.10.10 @ 00:40:00

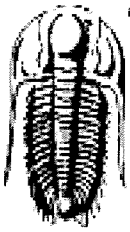
End Date: 2015.10.10 @ 06:50:21

Job Ticket #: 62954                      DST #: 1

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

Printed: 2015.10.12 @ 14:10:04

Palomino Petroleum 6-22s-4e Marion,KS Kaw #3 DST # 1 Hunton 2015.10.10



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
Newton, KS 67114+8827  
  
ATTN: Jerry Smith

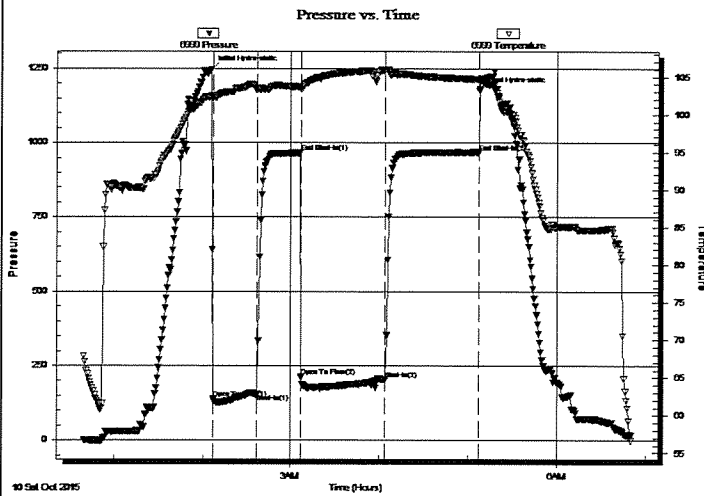
**6-22s-4e Marion, KS**  
**Kaw #3**  
Job Ticket: 62954      **DST#: 1**  
Test Start: 2015.10.10 @ 00:40:00

## GENERAL INFORMATION:

Formation: **Hunton**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 02:06:50  
Time Test Ended: 06:50:21  
  
Interval: **2348.00 ft (KB) To 2523.00 ft (KB) (TVD)**  
Total Depth: 2523.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jared Scheck  
Unit No: 55  
  
Reference Elevations: 1398.00 ft (KB)  
1393.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6999**      **Outside**  
Press@RunDepth: 203.75 psig @ 2507.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.10.10      End Date: 2015.10.10      Last Calib.: 2015.10.10  
Start Time: 00:40:01      End Time: 06:50:21      Time On Btm: 2015.10.10 @ 02:05:35  
Time Off Btm: 2015.10.10 @ 05:07:26

TEST COMMENT: IFP-30 Minutes-Weak blow built 4 1/2"  
ISIP-30 Minutes-No blow back  
FFP-60 Minutes-Weak blow built 5"  
FSIP-60 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1246.90	102.48	Initial Hydro-static
2	139.45	102.28	Open To Flow (1)
32	155.70	103.31	Shut-In(1)
61	967.15	103.70	End Shut-In(1)
62	215.11	103.45	Open To Flow (2)
119	203.75	105.93	Shut-In(2)
182	969.39	104.70	End Shut-In(2)
182	1175.81	104.69	Final Hydro-static

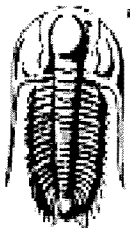
## Recovery

Length (ft)	Description	Volume (bbl)
210.00	mud	1.85

## 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+8827  
  
ATTN: Jerry Smith

**6-22s-4e Marion,KS**  
**Kaw #3**  
Job Ticket: 62954      DST#: 1  
Test Start: 2015.10.10 @ 00:40:00

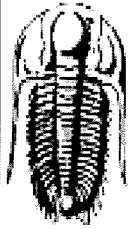
### Tool Information

Drill Pipe:	Length: 2207.00 ft	Diameter: 3.80 inches	Volume: 30.96 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 31.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	2348.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	175.00 ft			
Tool Length:	203.00 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			2325.00	
Hydraulic tool	5.00			2330.00	
Jars	6.00			2336.00	
Safety Joint	2.00			2338.00	
Packer	5.00			2343.00	28.00      Bottom Of Top Packer
Packer	5.00			2348.00	
Anchor	5.00			2353.00	
Change Over Sub	0.75			2353.75	
Drill Pipe	150.50			2504.25	
Change Over Sub	0.75			2505.00	
Recorder	1.00	6666	Inside	2506.00	
Recorder	1.00	6999	Outside	2507.00	
Anchor	12.00			2519.00	
Bullnose	4.00			2523.00	175.00      Bottom Packers & Anchor

**Total Tool Length: 203.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67114+8827  
  
ATTN: Jerry Smith

**6-22s-4e Marion,KS**  
**Kaw #3**  
Job Ticket: 62954      **DST#: 1**  
Test Start: 2015.10.10 @ 00:40:00

## 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: 39.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	mud	1.853

Total Length: 210.00 ft      Total Volume: 1.853 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



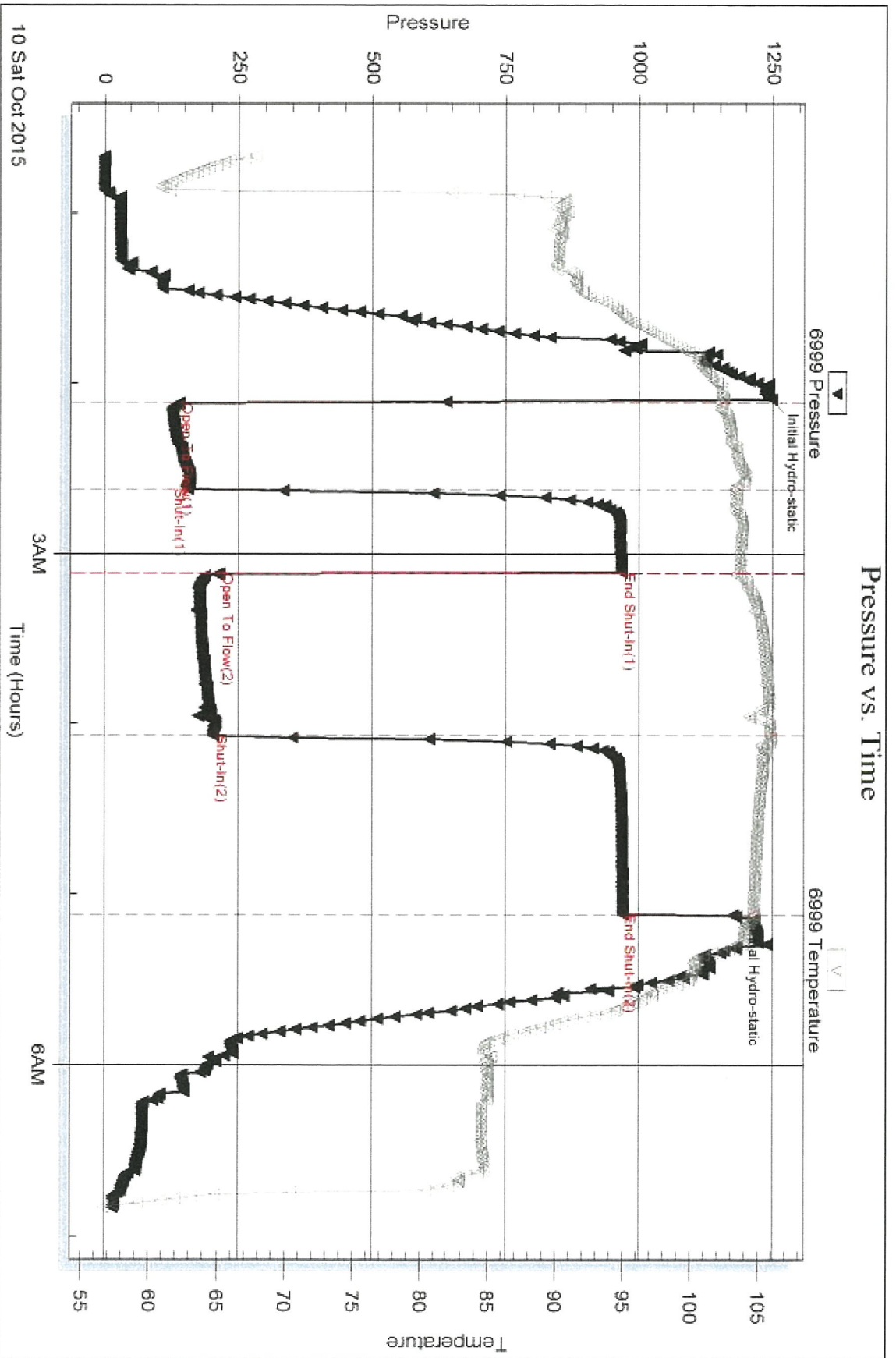
Serial #: 6999

Outside Palomino Petroleum

Kaw #3

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 62954

Printed 2015 10 12 @ 14:10:05

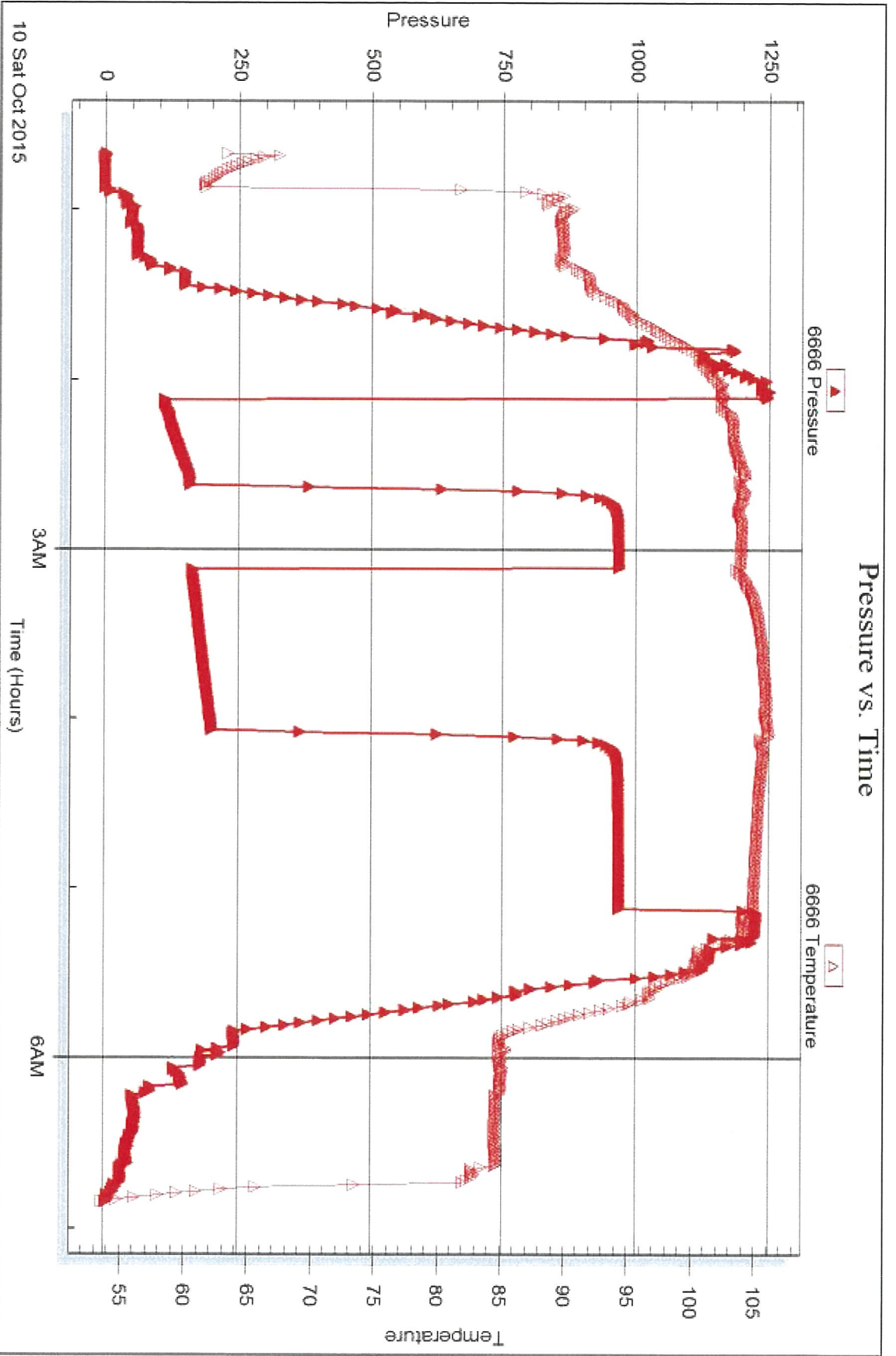
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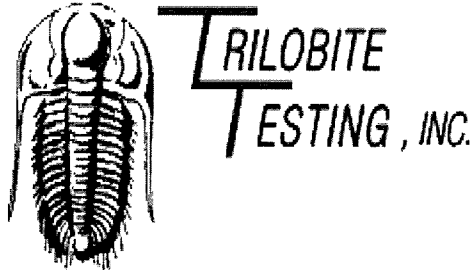
Inside

Palomino Petroleum

Kaw #3

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114+8827

ATTN: Jerry Smith

**Kaw #3**

**6-22s-4e Marion,KS**

Start Date: 2015.10.10 @ 11:10:00

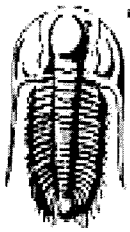
End Date: 2015.10.10 @ 16:16:07

Job Ticket #: 62955                      DST #: 2

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

Printed: 2015.10.12 @ 14:09:34

Palomino Petroleum  
6-22s-4e Marion,KS  
Kaw #3  
DST # 2  
Hunton  
2015.10.10



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67114+8827  
  
ATTN: Jerry Smith

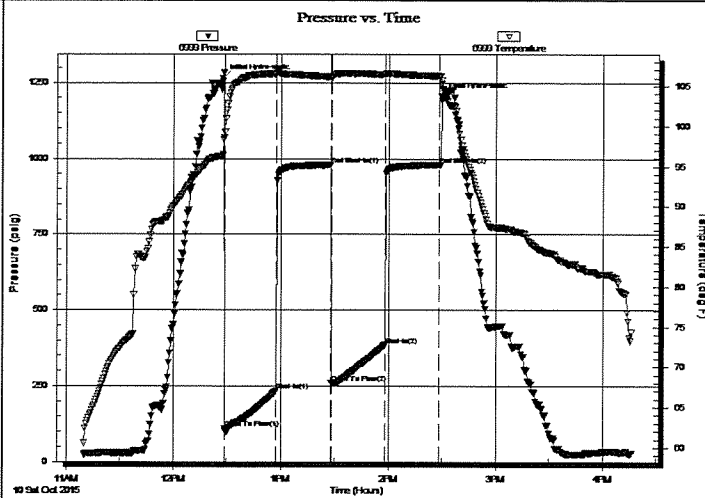
**6-22s-4e Marion,KS**  
**Kaw #3**  
Job Ticket: 62955      **DST#: 2**  
Test Start: 2015.10.10 @ 11:10:00

### GENERAL INFORMATION:

Formation: **Hunton**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 12:28:39  
Time Test Ended: 16:16:07  
  
Interval: **2520.00 ft (KB) To 2528.00 ft (KB) (TVD)**  
Total Depth: 2528.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jared Scheck  
Unit No: 55  
  
Reference Elevations: 1398.00 ft (KB)  
1393.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6999      Outside**  
Press@RunDepth: 384.74 psig @ 2522.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.10.10      End Date: 2015.10.10      Last Calib.: 2015.10.10  
Start Time: 11:10:01      End Time: 16:16:07      Time On Btm: 2015.10.10 @ 12:27:50  
Time Off Btm: 2015.10.10 @ 14:29:37

TEST COMMENT: IFP-30 Minutes-BOB in 5 minutes  
ISIP-30 Minutes-No blow back  
FFP-30 Minutes-BOB in 5 minutes  
FSIP-30 Minutes-No blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1264.43	96.46	Initial Hydro-static
1	109.99	98.53	Open To Flow (1)
30	233.68	106.52	Shut-In(1)
60	978.94	106.12	End Shut-In(1)
61	259.30	105.91	Open To Flow (2)
90	384.74	106.46	Shut-In(2)
121	979.04	106.24	End Shut-In(2)
122	1203.35	105.65	Final Hydro-static

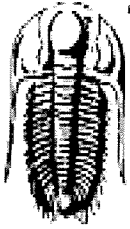
### Recovery

Length (ft)	Description	Volume (bbl)
840.00	Water	10.69

### 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+8827  
  
ATTN: Jerry Smith

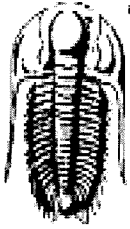
**6-22s-4e Marion,KS**  
**Kaw #3**  
Job Ticket: 62955      **DST#: 2**  
Test Start: 2015.10.10 @ 11:10:00

### Tool Information

Drill Pipe:	Length: 2390.00 ft	Diameter: 3.80 inches	Volume: 33.53 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: lb
			<b>Total Volume: 34.12 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	2520.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	36.00 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			2497.00	
Hydraulic tool	5.00			2502.00	
Jars	6.00			2508.00	
Safety Joint	2.00			2510.00	
Packer	5.00			2515.00	28.00      Bottom Of Top Packer
Packer	5.00			2520.00	
Recorder	1.00	6666	Inside	2521.00	
Recorder	1.00	6999	Outside	2522.00	
Anchor	2.00			2524.00	
Bullnose	4.00			2528.00	8.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>36.00</b>				



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67114+8827  
  
ATTN: Jerry Smith

**6-22s-4e Marion,KS**  
**Kaw #3**  
Job Ticket: 62955      **DST#: 2**  
Test Start: 2015.10.10 @ 11:10:00

### 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:	20000 ppm
Viscosity: 39.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

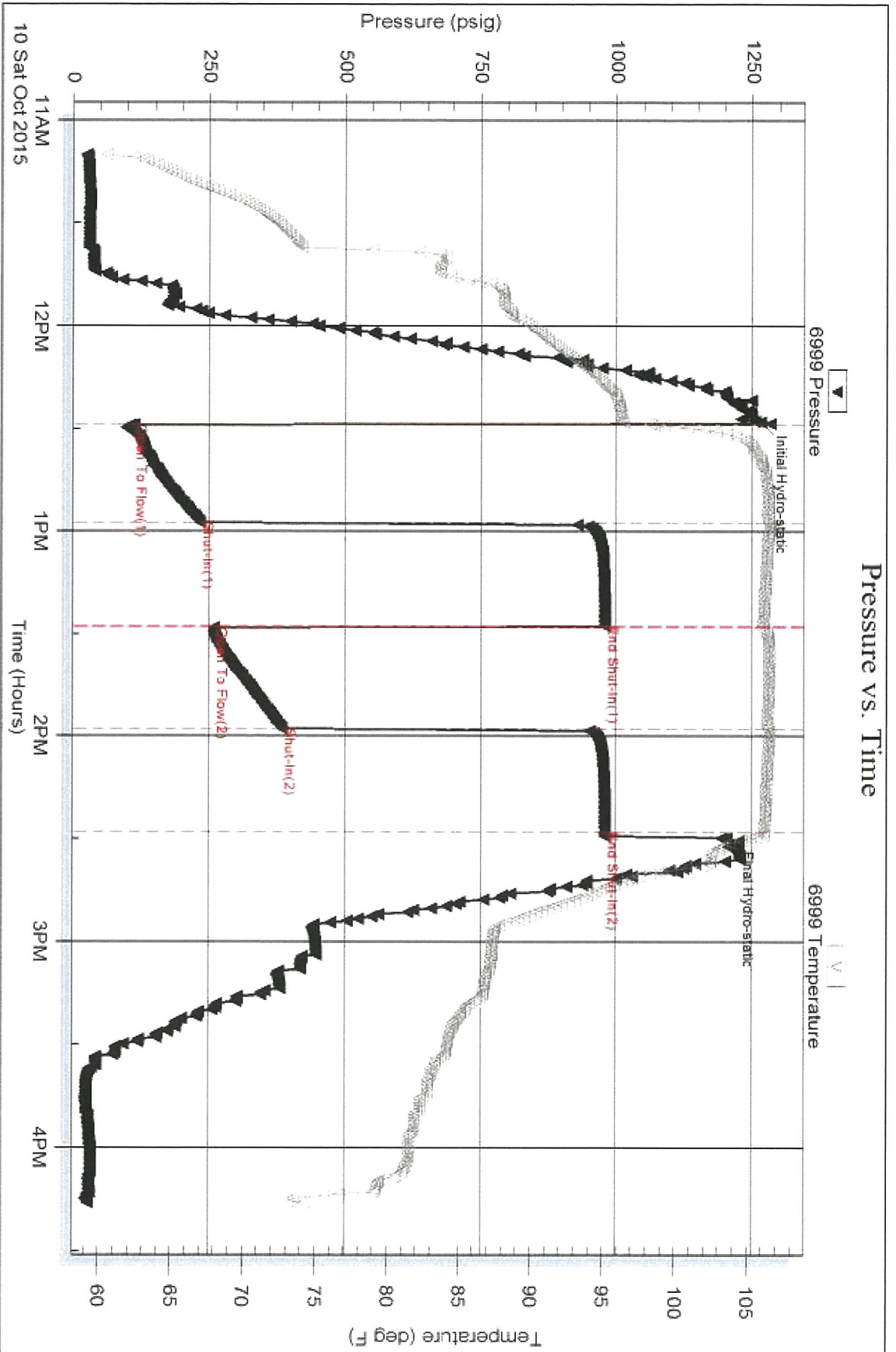
Length ft	Description	Volume bbl
840.00	Water	10.690

Total Length: 840.00 ft      Total Volume: 10.690 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: rW .2@70 degree





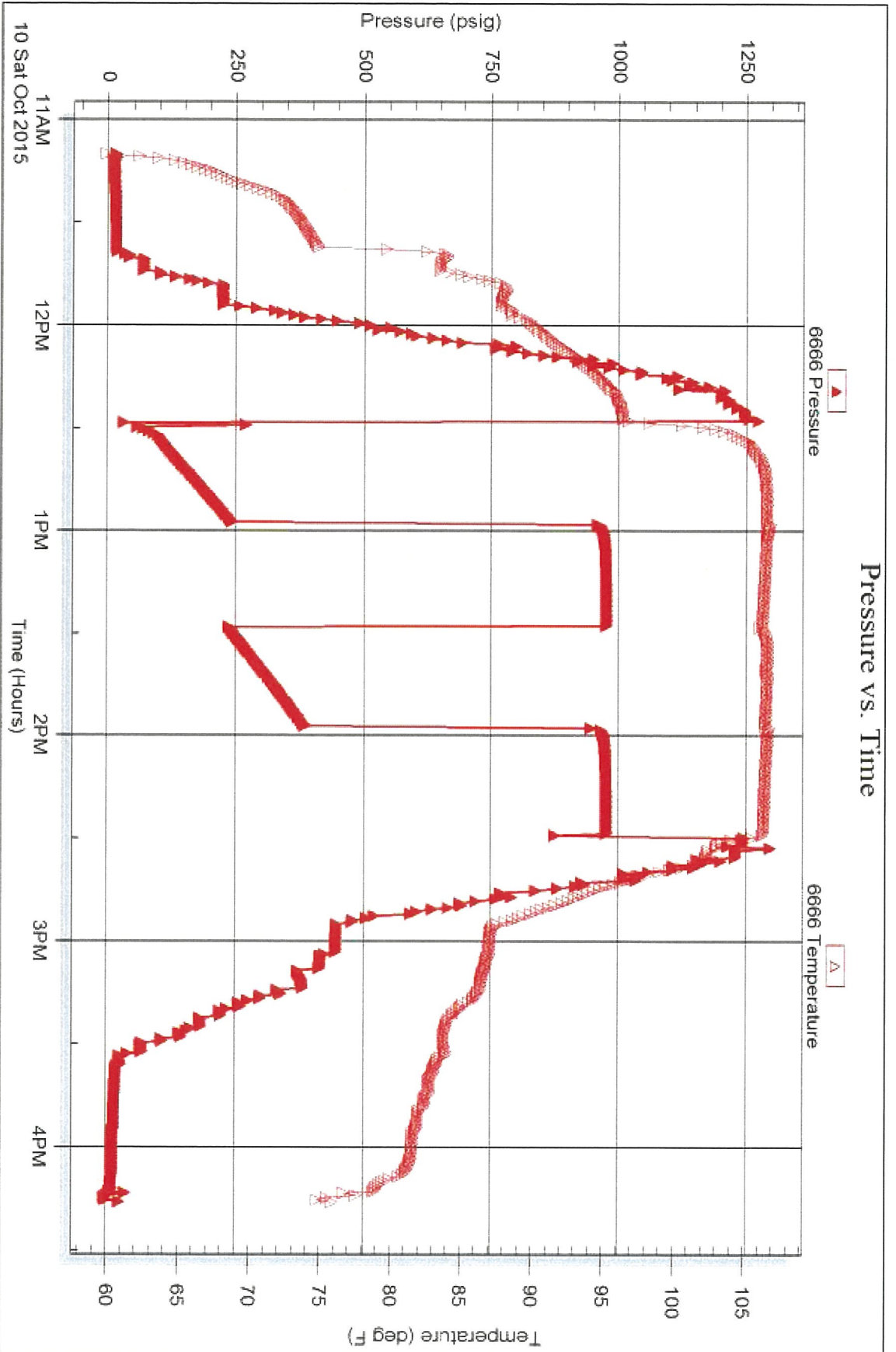
Serial #: 6666

Inside

Palomino Petroleum

Kaw #3

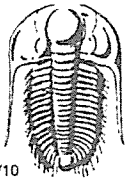
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 62955

Printed 2015 10 12 @ 14:09:35



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 62984

Well Name & No. Kaw #3 Test No. 1 Date 10-10-2015  
 Company Palumbo Petroleum Elevation \_\_\_\_\_ KB 1393 GL \_\_\_\_\_  
 Address 4924 SE 34th St Newton KS 67114-8827  
 Co. Rep / Geo. Jerry Smith Rig New Drilling Rig #6  
 Location: Sec. 6 Twp. 22 Rge. 4 Co. Marion State KS

Interval Tested 2348 - 2523 Zone Tested Hendon  
 Anchor Length 175 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.3  
 Top Packer Depth 2343 Drill Collars Run \_\_\_\_\_ Vis 39  
 Bottom Packer Depth 2348 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 2523 Chlorides 900 ppm System LCM \_\_\_\_\_

Blow Description IFP - Weak Blow Bore 1 1/2 inches into water  
ISIP - NO Blow Back  
FFP - Weak Blow Bore 5 inches into water  
FSIP - NO Blow Back

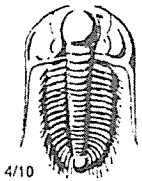
Rec	Feet of	%gas	%oil	%water	%mud
<u>210</u>	<u>Mud</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1246</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>139</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:40</u>
(C) First Final Flow <u>155</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:06</u>
(D) Initial Shut-In <u>967</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>5:00</u>
(E) Second Initial Flow <u>215</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>6:50</u>
(F) Second Final Flow <u>203</u>	<input checked="" type="checkbox"/> Mileage <u>237 RT Used Bond</u>	Comments _____
(G) Final Shut-In <u>969</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1175</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1855</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1855</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 62955

Well Name & No. Kaw #3 Test No. 2 Date 10-10-2015  
 Company Palomino Petroleum Elevation \_\_\_\_\_ KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 4924 84th St Newton KS 67114 / 8827  
 Co. Rep / Geo. Jerry Smith Rig WW Drilling Rig #6  
 Location: Sec. 6 Twp. 22 Rge. 4 Co. Marion State KS

Interval Tested 2520-2528 Zone Tested Hunter  
 Anchor Length 8 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.3  
 Top Packer Depth 2515 Drill Collars Run \_\_\_\_\_ Vis 39  
 Bottom Packer Depth 2520 Wt. Pipe Run \_\_\_\_\_ WL 80  
 Total Depth 2528 Chlorides 900 ppm System LCM \_\_\_\_\_

Blow Description IFP - Strong Blow Built Bottom of Bucket in 5 minutes  
IFP - NO Blow Back  
IFP - Strong Blow B. II Bottom of Bucket in 5 minutes  
IFP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>840</u>	<u>Water</u>				
	<u>chlorides 20,000</u>				

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW 2 @ 70 °F Chlorides 20,000 ppm

(A) Initial Hydrostatic 1264  Test 1050 T-On Location \_\_\_\_\_  
 (B) First Initial Flow 109  Jars 250 T-Started 11:10 am  
 (C) First Final Flow 233  Safety Joint 75 T-Open 12:29  
 (D) Initial Shut-In 978  Circ Sub \_\_\_\_\_ T-Pulled 2:29  
 (E) Second Initial Flow 359  Hourly Standby \_\_\_\_\_ T-Out 4:16  
 (F) Second Final Flow 384  Mileage 240 RT Grid Band Comments Stayed on Location  
 (G) Final Shut-In 979  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1203  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Total 1625  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1625

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.