



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1174497
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
-----------------------------------	-----------------	---

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: _____

1174497

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)* _____

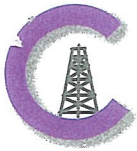
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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	Kaw 1
Doc ID	1174497

Tops

Name	Top	Datum
Heebner	1588	(- 172)
Douglas	1646	(- 230)
Brown Lime	1806	(- 390)
Lansing	1850	(- 434)
Stark Sh.	2159	(- 743)
BKC	2211	(- 795)
Miss.	2377	(- 961)
Kinderhook	2386	(- 970)
Hunton	2516	(-1100)
Viola	2550	(-1134)
Arbuckle	2701	(-1285)
LTD	3000	(-1584)



CONSOLIDATED
Oil Well Services, LLC

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

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

RECEIVED
NOV 29 2013

INVOICE

Invoice # 264331

Invoice Date: 11/27/2013 Terms: 0/0/30,n/30

Page 1

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

KAW #1
45184
6-22-4
11-25-2013
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	485.00	13.1800	6392.30
1118B	PREMIUM GEL / BENTONITE	1670.00	.2200	367.40
1107A	PHENOSEAL (M) 40# BAG)	240.00	1.3500	324.00
1126A	THICK SET CEMENT	65.00	20.1600	1310.40
1110A	KOL SEAL (50# BAG)	325.00	.4600	149.50
1107A	PHENOSEAL (M) 40# BAG)	32.00	1.3500	43.20
1111A	SODIUM METASILICATE	100.00	2.1000	210.00
3172	KCL SUB MB6875 CC3107 (10.00	35.1800	351.80
4253	TYPE A PACKER SHOE61/2X6	1.00	1663.0000	1663.00
4130	CENTRALIZER 5 1/2"	10.00	50.5000	505.00
4104	CEMENT BASKET 5 1/2"	2.00	240.0000	480.00
4454	5 1/2" LATCH DOWN PLUG	1.00	266.7500	266.75

Description	Hours	Unit Price	Total
445 CEMENT PUMP	1.00	1085.00	1085.00
445 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
515 TON MILEAGE DELIVERY	1.00	343.75	343.75
611 TON MILEAGE DELIVERY	1.00	343.76	343.76
667 TON MILEAGE DELIVERY	1.00	343.76	343.76

Parts: 12063.35 Freight: .00 Tax: 895.95 AR 15201.57
 Labor: .00 Misc: .00 Total: 15201.57
 Sublt: .00 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



264338

TICKET NUMBER 45184

LOCATION Eureka, KS

FOREMAN David Gardner

FIELD TICKET & TREATMENT REPORT

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

CEMENT

API # 15-115-21466

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																				
11-25-13	6285	Kaw #1	6	22	4	Marion																				
CUSTOMER Palomino Petroleum, Inc.			<table border="1"> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> <tr> <td>445</td> <td>Chris B.</td> <td></td> <td></td> </tr> <tr> <td>667</td> <td>Zevi A.</td> <td></td> <td></td> </tr> <tr> <td>611</td> <td>Joey K.</td> <td></td> <td></td> </tr> <tr> <td>515</td> <td>Colby N.</td> <td></td> <td></td> </tr> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	445	Chris B.			667	Zevi A.			611	Joey K.			515	Colby N.		
TRUCK #	DRIVER	TRUCK #					DRIVER																			
445	Chris B.																									
667	Zevi A.																									
611	Joey K.																									
515	Colby N.																									
MAILING ADDRESS 4924 SE 84th St.																										
CITY Newton	STATE KS	ZIP CODE 67114																								
C&G Drig. Rig #1																										

JOB TYPE 4/s 0 HOLE SIZE 7 7/8" HOLE DEPTH 3139' CASING SIZE & WEIGHT 5 1/2" 14#
 CASING DEPTH 2970' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.3#/13.6# SLURRY VOL 136, 20 Bbl WATER gal/sk _____ CEMENT LEFT in CASING None
 DISPLACEMENT 73.25 Bbl DISPLACEMENT PSI 700 ~~Pump~~ Plug 1150 PSI RATE 5 BPM

REMARKS: Safety Meeting. Rig up to 5 1/2" casing. Drop Brass Ball. Wait 30 mins. Set Packer shoe @ 900 PSI. Break circulation. Mix 100# Metasilicate Pre-Flush w/ 10 Bbls water. 5 Bbl water spacer. 10 Bbl KCL spacer. 5 Bbl water spacer. Mixed 485 sks 60/40 Pozmix Cement w/ 4% Gel + .5# Phenoseal @ 13.3#/gal. Mixed 65 sks Thickset Cement w/ 5# Kolseal + .5# Phenoseal @ 13.6#/gal. Shut down, wash out pump + lines. Release Latch down Plug. Displace 73.25 Bbl w/ KCL water. Pumping pressure 700 PSI. Bump plug to 1150 PSI. Float held. Release pressure. Plug mouse hole. Good circulation @ all times. No cement returns to surface. Job complete. Rig down. Packer Shoe set @ 2970'
Centralizers on # 2, 4, 5, 7, 9, 11, 12, 13, 14, 15
Baskets on # 3, 16.

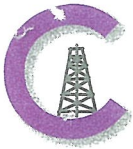
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00 ✓
5406	30	MILEAGE	4.20	126.00 ✓
1131	485 SKS	60/40 Pozmix Cement	13.18	6392.30 ✓
1118B	1670#	Gel @ 4% } Lead Cement	.22	367.40 ✓
1107A	240#	Phenoseal @ .5#/sk	1.35	324.00 ✓
1126A	65 SKS	Thickset Cement	20.16	1310.40 ✓
1110A	325#	Kol-seal @ 5#/sk } Tail Cement	.46	149.50 ✓
1107A	32#	Phenoseal @ .5#/sk	1.35	43.20 ✓
5407A	24.38 Tons	Ton Mileage Bulk Truck	1.41	1031.27 ✓
1111A	100#	Metasilicate Pre-Flush	2.10	210.00 ✓
3172	10 Gals.	KCL	35.18	351.80 ✓
4253	1	5 1/2" Type A Packer Shoe	1663.00	1663.00 ✓
4130	10	5 1/2" Centralizers	50.50	505.00 ✓
4104	2	5 1/2" Baskets	240.00	480.00 ✓
4454	1	5 1/2" Latch down Plug	266.75	266.75 ✓
		Subtotal		14,305.62 ✓
		"Thank You" 7.65%	SALES TAX	895.95 ✓
			ESTIMATED TOTAL	15201.57 ✓

Ravin 9797

[Signature]

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

NOV 21 2013

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

INVOICE

Invoice # 264023

Invoice Date: 11/18/2013 Terms: 0/0/30,n/30

Page 1

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

KAW #1
43773
6-22-4
11-14-2013
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	120.00	15.7000	1884.00
1102	CALCIUM CHLORIDE (50#)	288.00	.7800	224.64
1118B	PREMIUM GEL / BENTONITE	240.00	.2200	52.80
1107	FLO-SEAL (25#)	75.00	2.4700	185.25

Description	Hours	Unit Price	Total
491 MIN. BULK DELIVERY	1.00	368.00	368.00
57 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
57 EQUIPMENT MILEAGE (ONE WAY)	28.00	4.20	117.60

Parts:	2346.69	Freight:	.00	Tax:	179.53	AR	3881.82
Labor:	.00	Misc:	.00	Total:	3881.82		
Sublt:	.00	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



CONSOLIDATED
Oil Well Services, LLC

264023

TICKET NUMBER 43773
LOCATION 180
FOREMAN Jeff Shell

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

FIELD TICKET & TREATMENT REPORT

CEMENT ADI 15-115-21466-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/14/13	6285	K9W 1	6	22	4	Marion
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Palomino Petroleum inc			57	Josh G		
MAILING ADDRESS			491	Jeremy M		
4924 SE 84th ST			539	Jeff S		
CITY	STATE	ZIP CODE				
Newton	KS	67114				

JOB TYPE Surface B HOLE SIZE 12 1/4 HOLE DEPTH 216 CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 228.93 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.1 SLURRY VOL 29.06 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 13.0 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

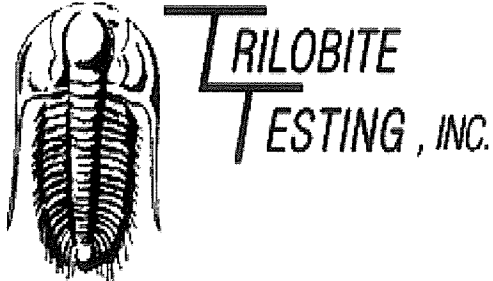
REMARKS: Safety Meeting, Broke circ. Pump 1203 KS C1935 A cement
3% calcium 2% Gel 1/2 lb Poly displaced to surface with 13 bbls
freshwater

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	870.00	870.00
5406	28	MILEAGE	4.20	117.60
11043	120ASKS	C1935 A cement	15.70	1884.00
1102	288lbs	calcium chloride	.78	224.64
1118B	240lbs	Gel	1.22	52.80
1107	75lbs	Polyflake	2.47	185.25
5407	1	Min Bulk delivery	368.00	368.00
			Subtotal	3702.29
			SALES TAX	179.53
			ESTIMATED TOTAL	3881.82

completed

Revin 3737 AUTHORIZATION Chris Nelson 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



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th Street
Newton, KS 67114

ATTN: Nick Gerstner

Kaw #1

6-22s-4e Marion,KS

Start Date: 2013.11.18 @ 01:37:11

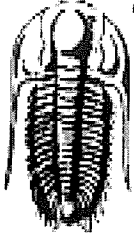
End Date: 2013.11.18 @ 07:14:11

Job Ticket #: 51776 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
4924 SE 84th Street
New ton, KS 67114
ATTN: Nick Gerstner

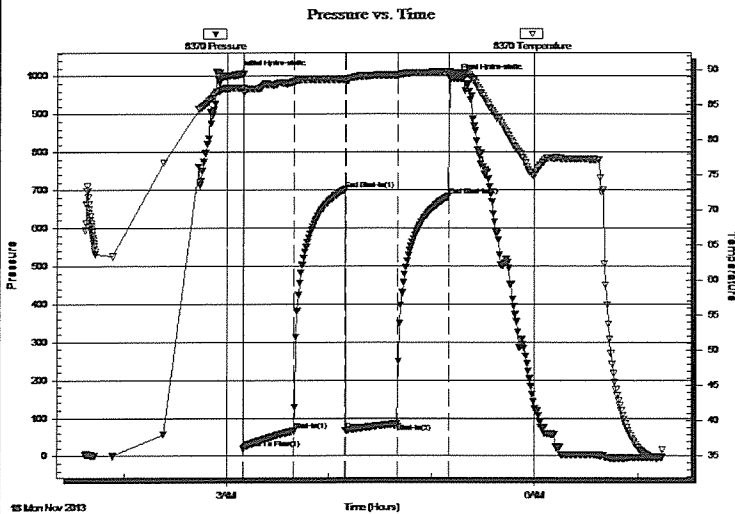
6-22s-4e Marion,KS
Kaw #1
Job Ticket: 51776 **DST#: 1**
Test Start: 2013.11.18 @ 01:37:11

GENERAL INFORMATION:

Formation: **Lansing**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:09:56
Time Test Ended: 07:14:11
Interval: **2076.00 ft (KB) To 2180.00 ft (KB) (TVD)**
Total Depth: 2180.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 56
Reference Elevations: 1416.00 ft (KB)
1409.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8370 Outside
Press@RunDepth: 84.97 psig @ 2077.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.18 End Date: 2013.11.18 Last Calib.: 2013.11.18
Start Time: 01:37:16 End Time: 07:14:10 Time On Btm: 2013.11.18 @ 03:05:26
Time Off Btm: 2013.11.18 @ 05:13:11

TEST COMMENT: Weak blow building to 8 inches initial flow period.
Weak blow building to 8 inches final flow period.



PRESSURE SUMMARY

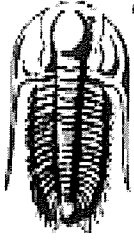
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1002.83	87.39	Initial Hydro-static
5	20.63	86.81	Open To Flow (1)
34	66.01	88.29	Shut-In(1)
64	701.63	88.61	End Shut-In(1)
65	67.93	88.18	Open To Flow (2)
95	84.97	89.20	Shut-In(2)
125	683.71	89.73	End Shut-In(2)
128	993.84	89.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Water cut mud 10% W & 90% M	0.97

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
4924 SE 84th Street
New ton, KS 67114
ATTN: Nick Gerstner

6-22s-4e Marion, KS

Kaw #1

Job Ticket: 51776

DST#: 1

Test Start: 2013.11.18 @ 01:37:11

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 03:09:56

Tester: Jimmy Ricketts

Time Test Ended: 07:14:11

Unit No: 56

Interval: **2076.00 ft (KB) To 2180.00 ft (KB) (TVD)**

Reference Elevations: 1416.00 ft (KB)

Total Depth: 2180.00 ft (KB) (TVD)

1409.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8352 Inside

Press@RunDepth: psig @ 2077.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.18 End Date: 2013.11.18

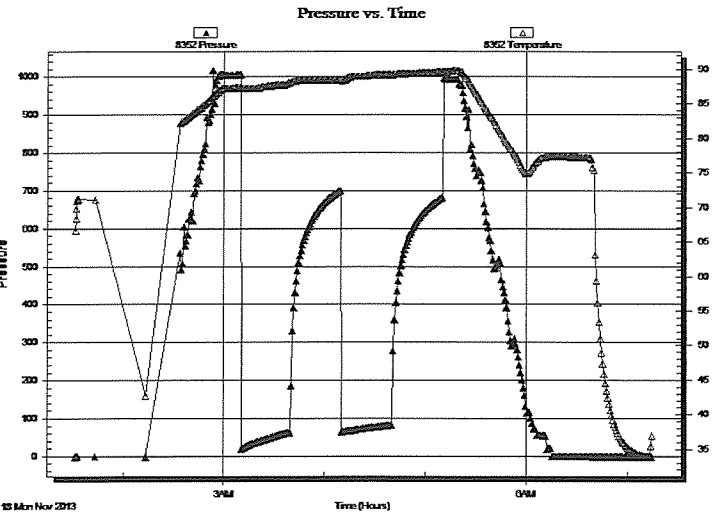
Last Calib.: 1899.12.30

Start Time: 01:31:40 End Time: 07:14:19

Time On Btm:

Time Off Btm:

TEST COMMENT: Weak blow building to 8 inches initial flow period.
Weak blow building to 8 inches final flow period.



PRESSURE SUMMARY

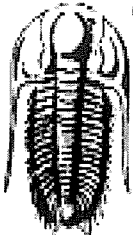
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Water cut mud 10% W & 90% M	0.97

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51776

DST#: 1

ATTN: Nick Gerstner

Test Start: 2013.11.18 @ 01:37:11

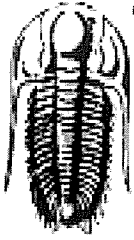
Tool Information

Drill Pipe:	Length: 1988.00 ft	Diameter: 3.00 inches	Volume: 17.38 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 89.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose: 46000.00 lb
			Total Volume: 17.82 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	2076.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	104.00 ft			
Tool Length:	132.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2049.00	
Shut in tool	5.00			2054.00	
HMV	5.00			2059.00	
Jars	5.00			2064.00	
Safety Joint	3.00			2067.00	
Packer	4.00			2071.00	28.00 Bottom Of Top Packer
Packer	5.00			2076.00	
Stubb	1.00			2077.00	
Recorder	0.00	8352	Inside	2077.00	
Recorder	0.00	8370	Outside	2077.00	
Perforations	9.00			2086.00	
Change Over Sub	0.50			2086.50	
Blank Spacing	88.00			2174.50	
Change Over Sub	0.50			2175.00	
Bullnose	5.00			2180.00	104.00 Bottom Packers & Anchor

Total Tool Length: 132.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51776

DST#: 1

ATTN: Nick Gerstner

Test Start: 2013.11.18 @ 01:37:11

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:

25000 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Water cut mud 10% W & 90% M	0.971

Total Length: 150.00 ft

Total Volume: 0.971 bbl

Num Fluid Samples: 0

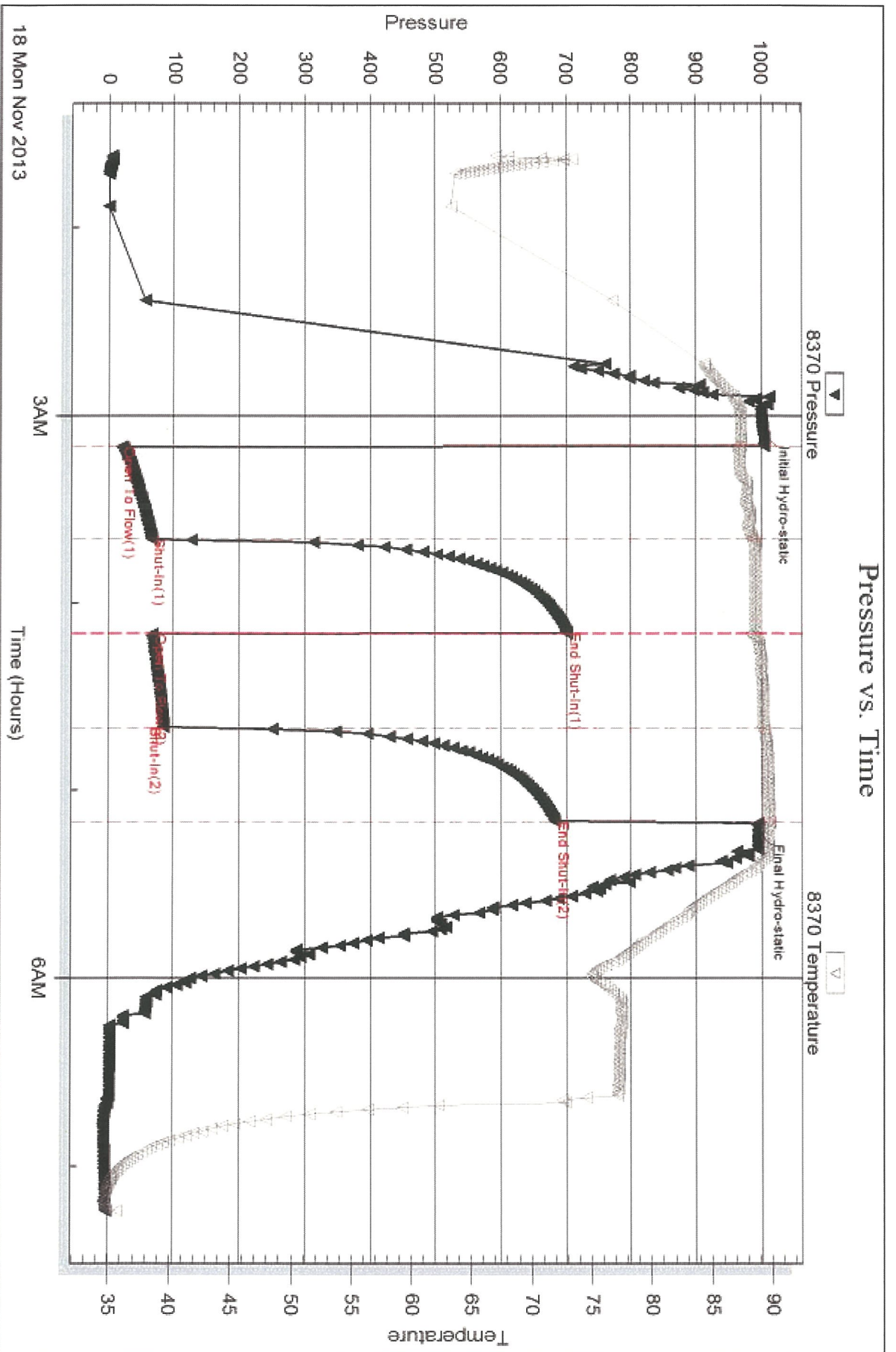
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



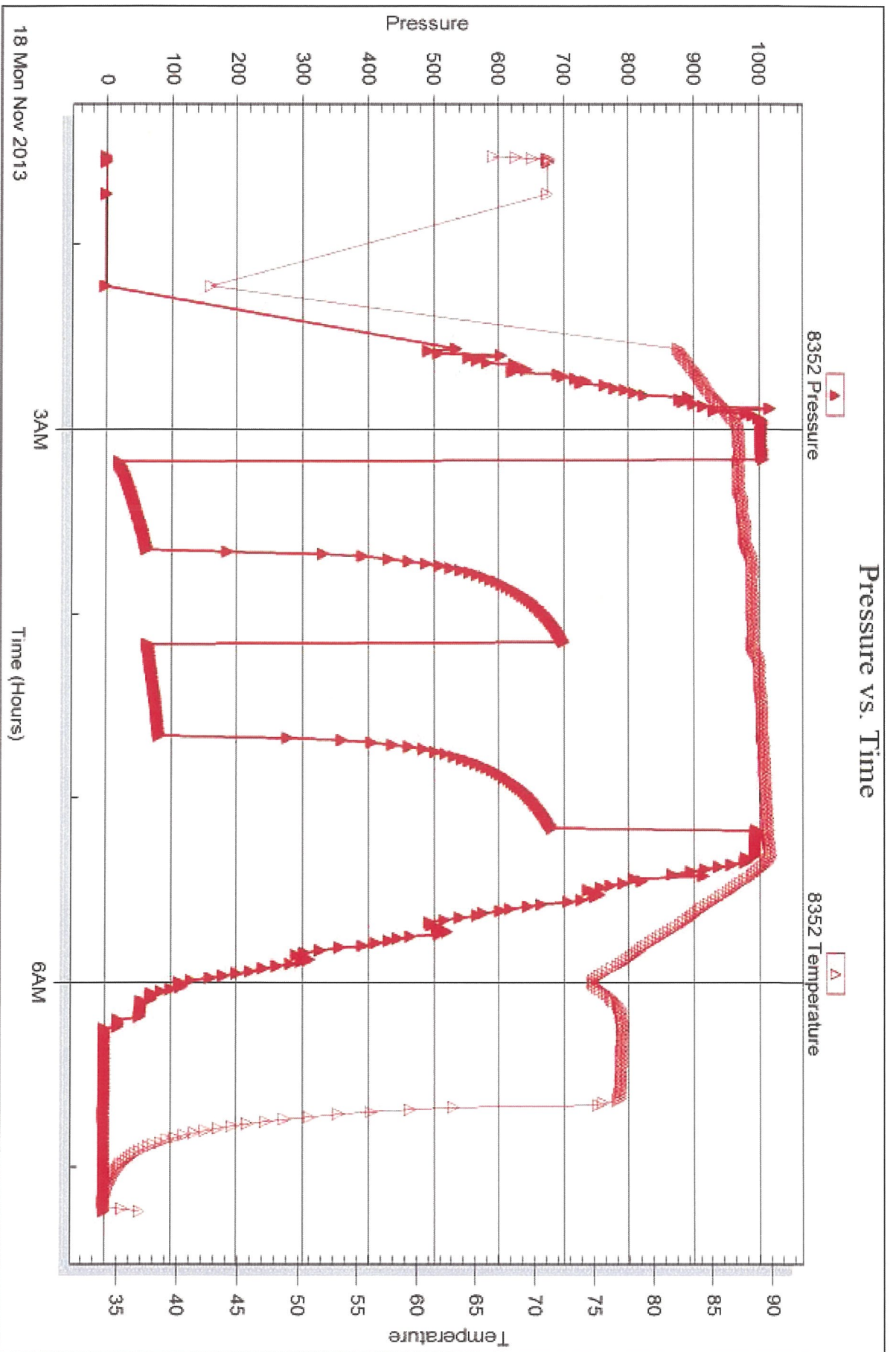
Serial #: 8352

Inside

Palomino Petroleum, Inc

Kaw #1

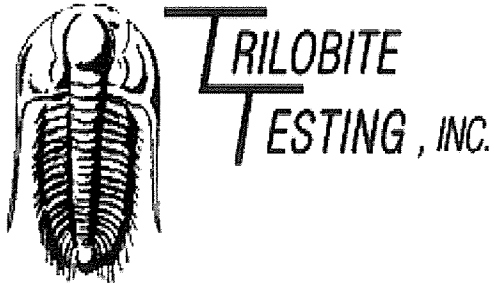
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 51776

Printed: 2013.11.22 @ 14:53:27



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th Street
Newton, KS 67114

ATTN: Nick Gerstner

Kaw #1

6-22s-4e Marion,KS

Start Date: 2013.11.18 @ 14:04:05

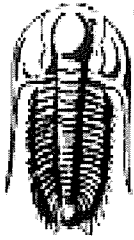
End Date: 2013.11.18 @ 19:56:05

Job Ticket #: 51777 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

6-22s-4e Marion, KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

ATTN: Nick Gerstner

Job Ticket: 51777

DST#: 2

Test Start: 2013.11.18 @ 14:04:05

GENERAL INFORMATION:

Formation: **Hertha**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:53:50

Time Test Ended: 19:56:05

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 56

Interval: 2176.00 ft (KB) To 2230.00 ft (KB) (TVD)

Reference Elevations: 1416.00 ft (KB)

Total Depth: 2230.00 ft (KB) (TVD)

1409.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press@RunDepth: 24.04 psig @ 2177.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.18 End Date: 2013.11.18

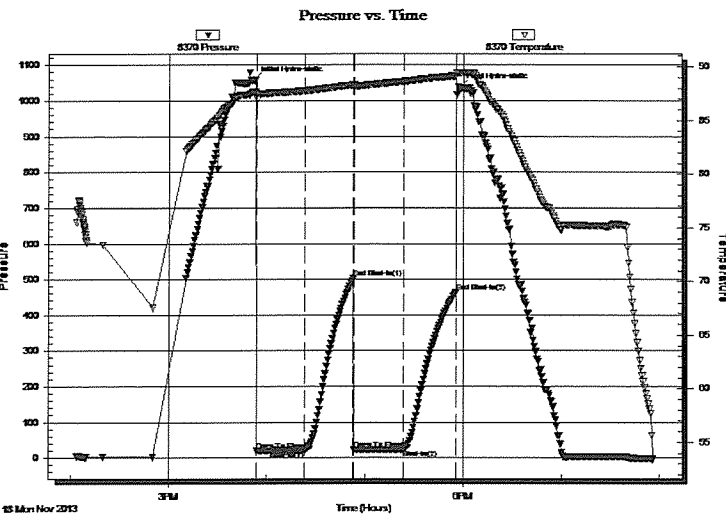
Last Calib.: 2013.11.18

Start Time: 14:04:10 End Time: 19:56:04

Time On Btm: 2013.11.18 @ 15:51:35

Time Off Btm: 2013.11.18 @ 17:57:20

TEST COMMENT: Weak blow building to 1/2 inch initial flow period.
No blow final flow period.



PRESSURE SUMMARY

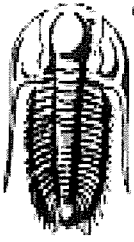
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1057.61	87.63	Initial Hydro-static
3	21.25	86.97	Open To Flow (1)
32	21.11	87.77	Shut-In(1)
62	502.18	88.29	End Shut-In(1)
62	22.41	88.10	Open To Flow (2)
92	24.04	88.64	Shut-In(2)
124	464.64	89.15	End Shut-In(2)
126	1036.54	89.46	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

6-22s-4e Marion, KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

ATTN: Nick Gerstner

Job Ticket: 51777

DST#: 2

Test Start: 2013.11.18 @ 14:04:05

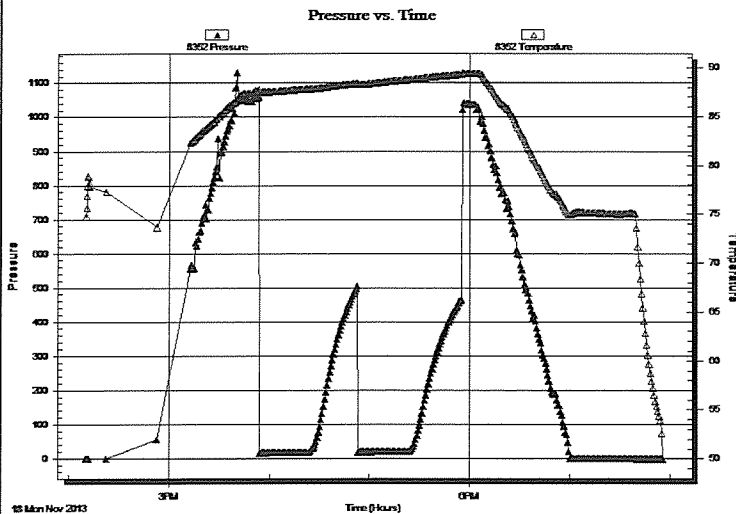
GENERAL INFORMATION:

Formation: Hertha		Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock:	ft (KB)	Tester: Jimmy Ricketts
Time Tool Opened: 15:53:50		Unit No: 56
Time Test Ended: 19:56:05		Reference Elevations: 1416.00 ft (KB)
Interval: 2176.00 ft (KB) To 2230.00 ft (KB) (TVD)		1409.00 ft (CF)
Total Depth: 2230.00 ft (KB) (TVD)		KB to GR/CF: 7.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair	

Serial #: 8352 Inside

Press@RunDepth: psig @ 2177.00 ft (KB)	Capacity: 8000.00 psig	
Start Date: 2013.11.18	End Date: 2013.11.18	Last Calib.: 1899.12.30
Start Time: 14:10:18	End Time: 19:56:27	Time On Btm:
		Time Off Btm:

TEST COMMENT: Weak blow building to 1/2 inch initial flow period.
No blow final flow period.



PRESSURE SUMMARY

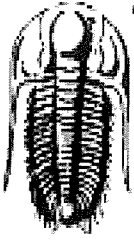
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51777

DST#: 2

ATTN: Nick Gerstner

Test Start: 2013.11.18 @ 14:04:05

Tool Information

Drill Pipe:	Length: 2019.00 ft	Diameter: 3.00 inches	Volume: 17.65 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 148.00 ft	Diameter: 2.25 inches	Volume: 0.73 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 18.38 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2176.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2149.00	
Shut in tool	5.00			2154.00	
HMV	5.00			2159.00	
Jars	5.00			2164.00	
Safety Joint	3.00			2167.00	
Packer	4.00			2171.00	28.00 Bottom Of Top Packer
Packer	5.00			2176.00	
Stubb	1.00			2177.00	
Recorder	0.00	8352	Inside	2177.00	
Recorder	0.00	8370	Outside	2177.00	
Perforations	18.00			2195.00	
Change Over Sub	0.50			2195.50	
Blank Spacing	29.00			2224.50	
Change Over Sub	0.50			2225.00	
Bullnose	5.00			2230.00	54.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51777

DST#: 2

ATTN: Nick Gerstner

Test Start: 2013.11.18 @ 14:04:05

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud 100% M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

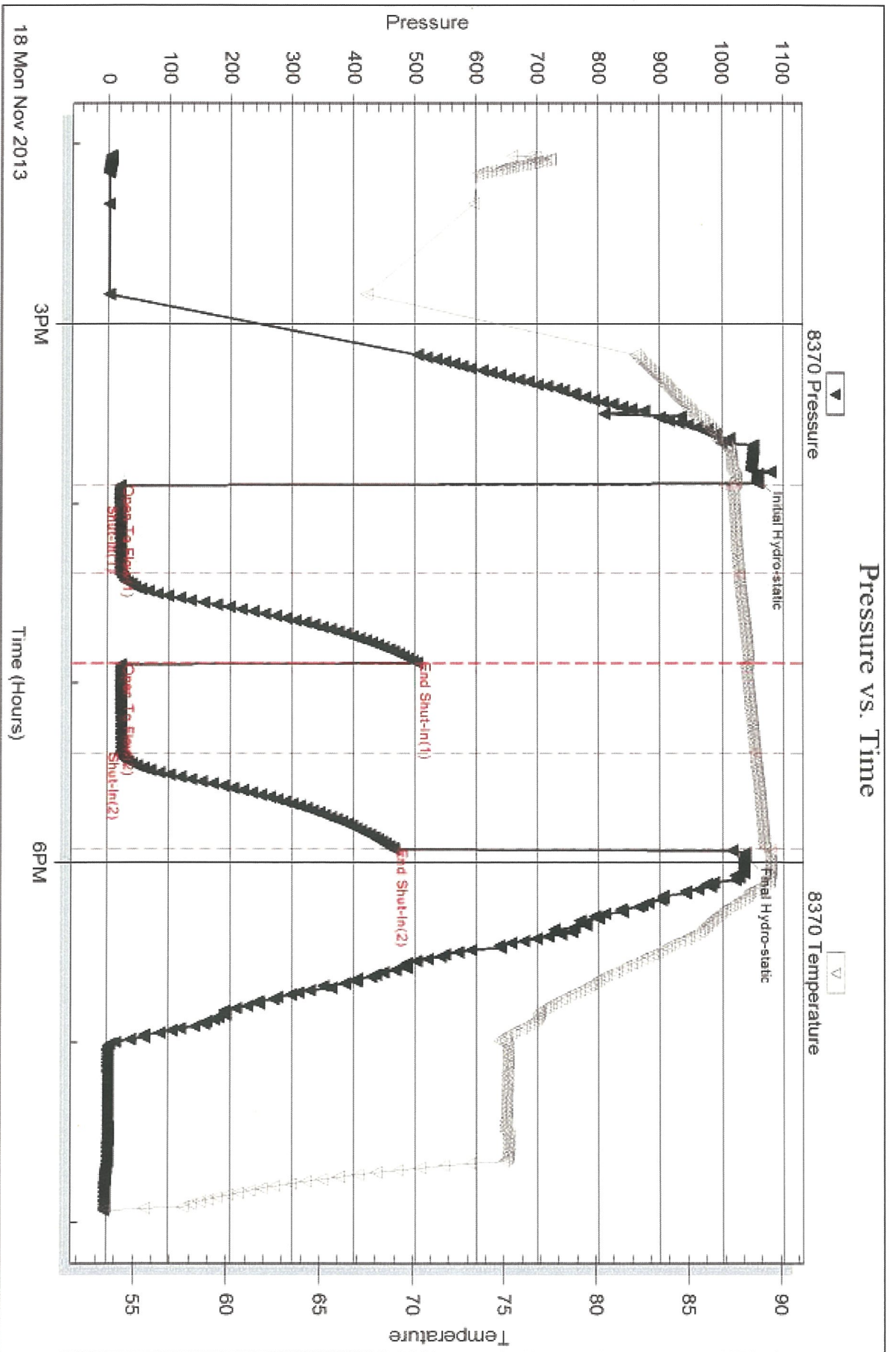
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



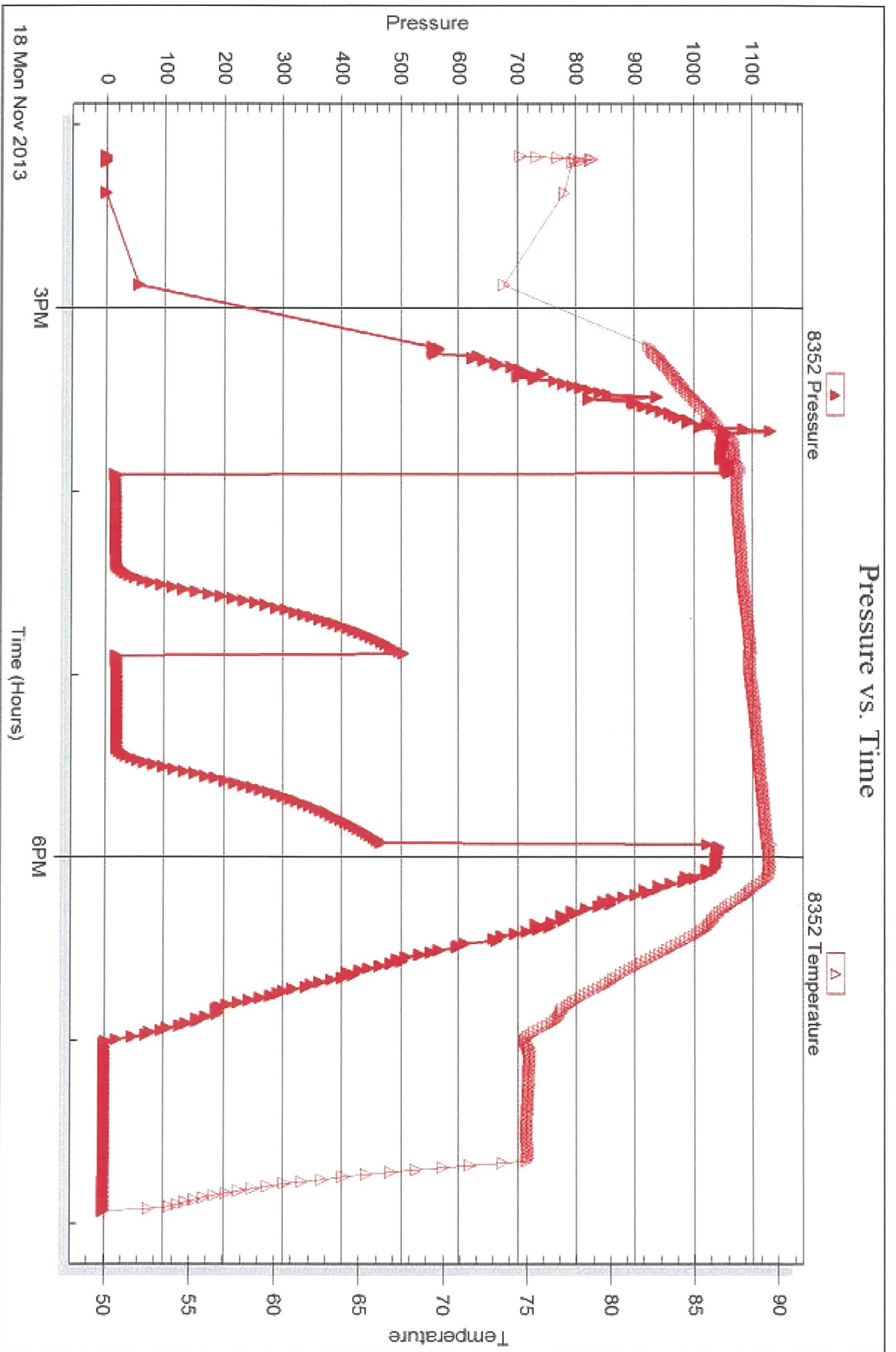
Serial #: 8352

Inside

Palomino Petroleum, Inc

Kaw #1

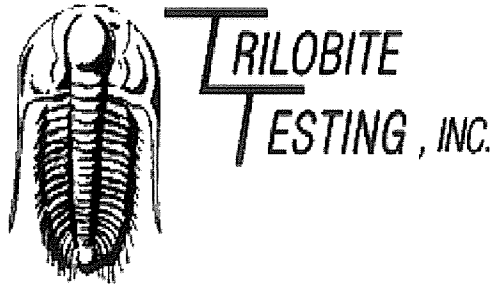
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 51777

Printed: 2013 11:22 @ 14:52:56



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th Street
Newton, KS 67114

ATTN: Nick Gerstner

Kaw #1

6-22s-4e Marion,KS

Start Date: 2013.11.19 @ 17:32:08

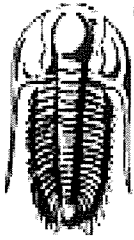
End Date: 2013.11.19 @ 23:57:38

Job Ticket #: 51778 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
4924 SE 84th Street
New ton, KS 67114
ATTN: Nick Gerstner

6-22s-4e Marion,KS

Kaw #1

Job Ticket: 51778

DST#: 3

Test Start: 2013.11.19 @ 17:32:08

GENERAL INFORMATION:

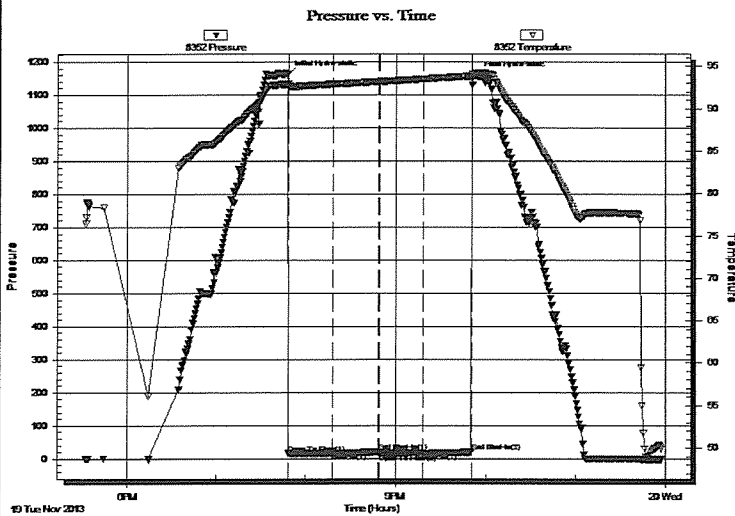
Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:48:23
Time Test Ended: 23:57:38
Interval: **2359.00 ft (KB) To 2450.00 ft (KB) (TVD)**
Total Depth: 2450.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 56
Reference Elevations: 1416.00 ft (KB)
1409.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press@RunDepth: 16.34 psig @ 2360.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.19 End Date: 2013.11.19 Last Calib.: 2013.11.19
Start Time: 17:32:13 End Time: 23:57:37 Time On Btm: 2013.11.19 @ 19:47:23
Time Off Btm: 2013.11.19 @ 21:53:38

TEST COMMENT: Weak 1/4 inch blow throughout initial flow period.
No blow final flow period.



PRESSURE SUMMARY

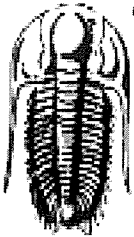
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1162.07	92.86	Initial Hydro-static
1	16.10	92.39	Open To Flow (1)
31	16.54	92.86	Shut-In(1)
62	20.11	93.17	End Shut-In(1)
62	15.51	93.18	Open To Flow (2)
91	16.34	93.48	Shut-In(2)
123	19.57	93.81	End Shut-In(2)
127	1156.82	94.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud 100% M	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

6-22s-4e Marion, KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51778

DST#: 3

ATTN: Nick Gerstner

Test Start: 2013.11.19 @ 17:32:08

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:48:23

Time Test Ended: 23:57:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 56

Interval: 2359.00 ft (KB) To 2450.00 ft (KB) (TVD)

Reference Elevations: 1416.00 ft (KB)

Total Depth: 2450.00 ft (KB) (TVD)

1409.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press@RunDepth: psig @ 2360.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.19 End Date: 2013.11.19

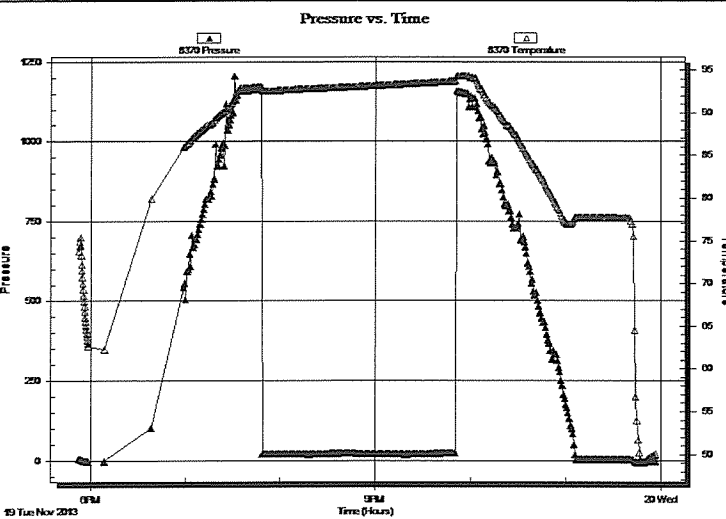
Last Calib.: 1899.12.30

Start Time: 17:52:30 End Time: 23:57:39

Time On Btm:

Time Off Btm:

TEST COMMENT: Weak 1/4 inch blow throughout initial flow period.
No blow final flow period.



PRESSURE SUMMARY

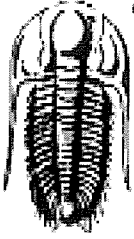
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud 100% M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51778

DST#: 3

ATTN: Nick Gerstner

Test Start: 2013.11.19 @ 17:32:08

Tool Information

Drill Pipe:	Length: 2236.00 ft	Diameter: 3.00 inches	Volume: 19.55 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 41000.00 lb
			Total Volume: 20.14 bbl	Tool Chased 1.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2359.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	119.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

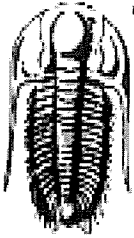
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2332.00	
Shut in tool	5.00			2337.00	
HMV	5.00			2342.00	
Jars	5.00			2347.00	
Safety Joint	3.00			2350.00	
Packer	4.00			2354.00	28.00 Bottom Of Top Packer
Packer	5.00			2359.00	
Stubb	1.00			2360.00	
Recorder	0.00	8352	Inside	2360.00	
Recorder	0.00	8370	Outside	2360.00	
Perforations	26.00			2386.00	
Change Over Sub	0.50			2386.50	
Blank Spacing	58.00			2444.50	
Change Over Sub	0.50			2445.00	
Bullnose	5.00			2450.00	91.00 Bottom Packers & Anchor

Total Tool Length: 119.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51778

DST#: 3

ATTN: Nick Gerstner

Test Start: 2013.11.19 @ 17:32:08

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:

bbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud 100% M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

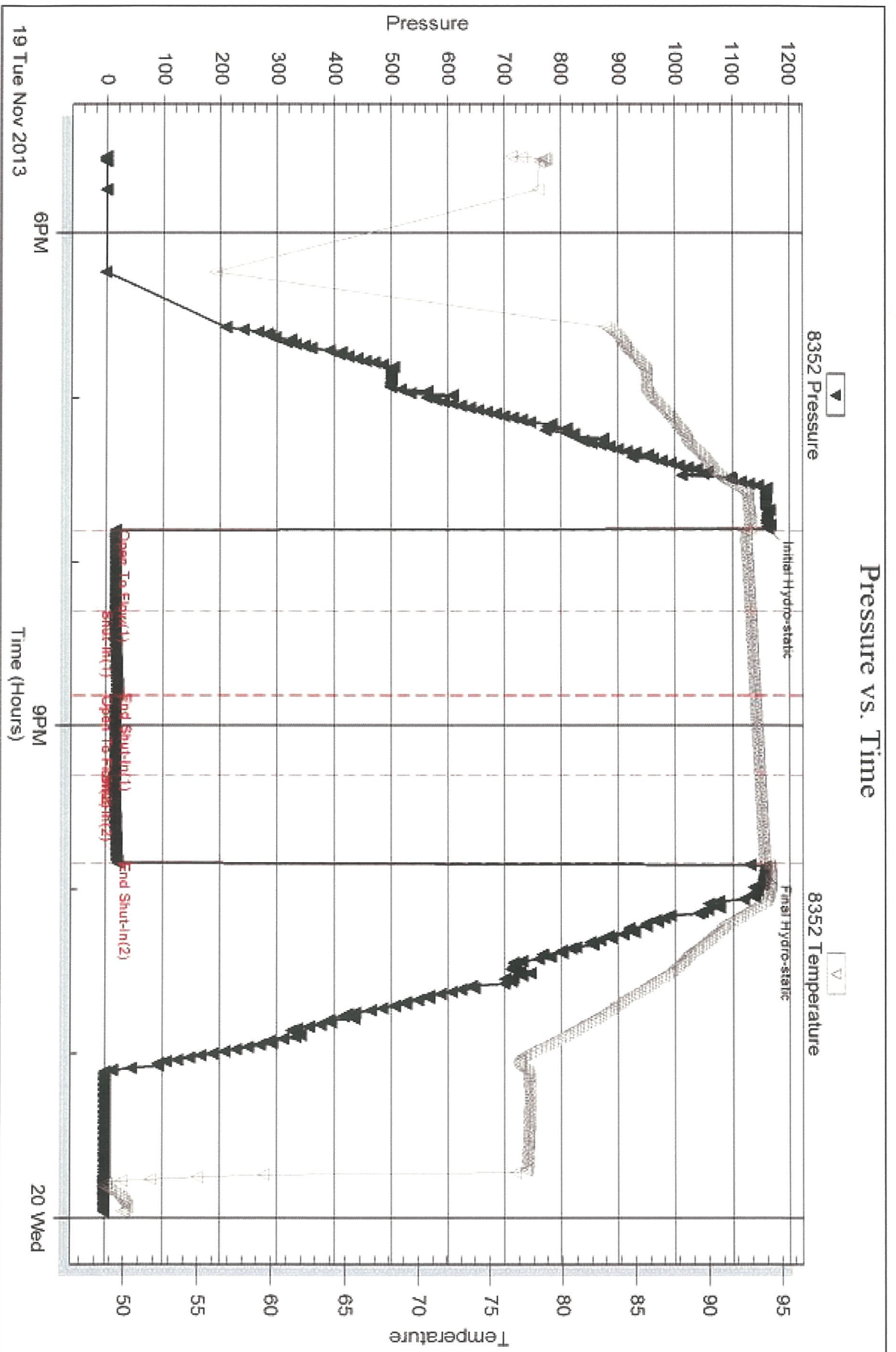
Serial #: 8352

Inside

Palomino Petroleum, Inc

Kaw #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 51778

Printed: 2013.11.22 @ 14:52:18

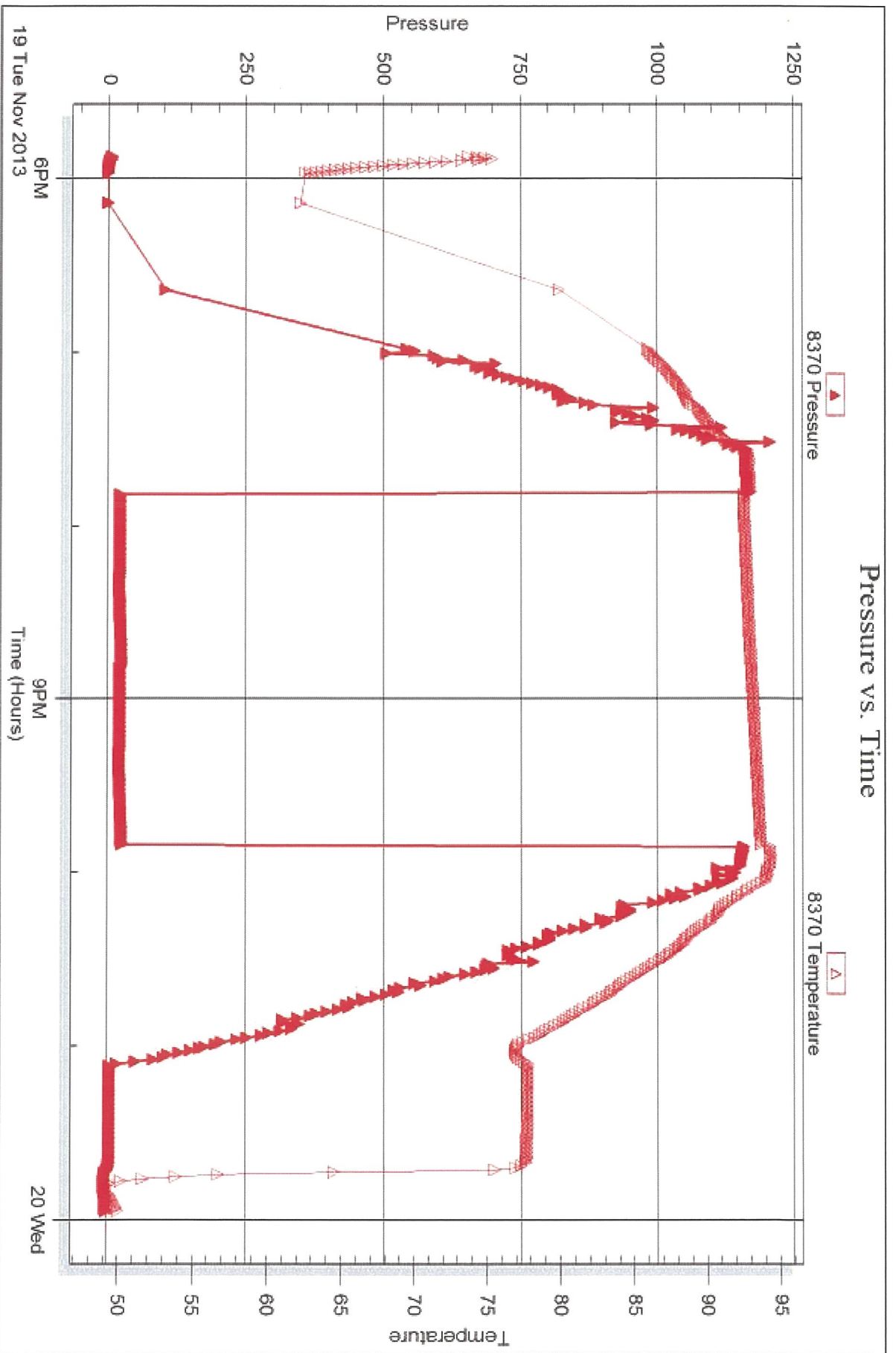
Serial #: 8370

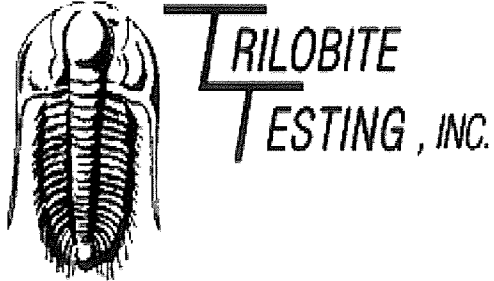
Outside

Palomino Petroleum, Inc

Kaw #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th Street
Newton, KS 67114

ATTN: Nick Gerstner

Kaw #1

6-22s-4e Marion,KS

Start Date: 2013.11.20 @ 11:53:40

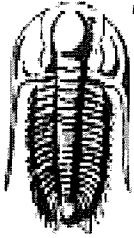
End Date: 2013.11.20 @ 19:03:25

Job Ticket #: 51779 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

ATTN: Nick Gerstner

Job Ticket: 51779

DST#: 4

Test Start: 2013.11.20 @ 11:53:40

GENERAL INFORMATION:

Formation: **Upper Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:38:10

Time Test Ended: 19:03:25

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 56

Interval: 2359.00 ft (KB) To 2521.00 ft (KB) (TVD)

Reference Elevations: 1416.00 ft (KB)

Total Depth: 2521.00 ft (KB) (TVD)

1409.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press@RunDepth: 216.09 psig @ 2360.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.20 End Date: 2013.11.20

Last Calib.: 2013.11.20

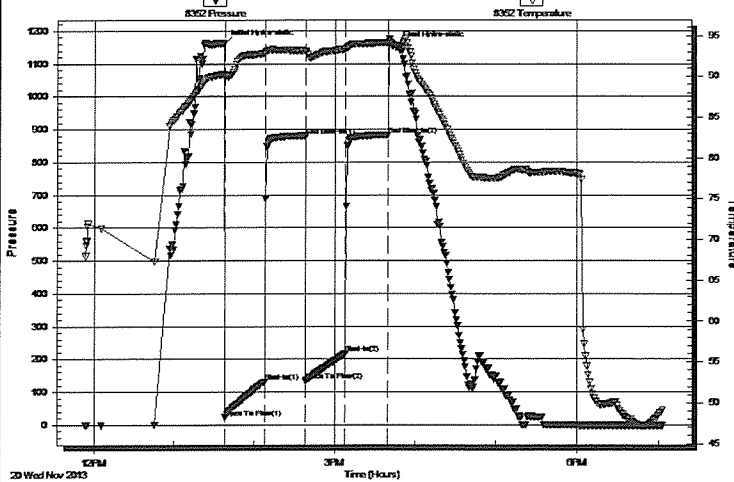
Start Time: 11:53:45 End Time: 19:03:24

Time On Btm: 2013.11.20 @ 13:37:25

Time Off Btm: 2013.11.20 @ 15:44:55

TEST COMMENT: Weak blow building to strong blow 8 minutes into initial flow period.
Weak blow building to strong blow 10 minutes into final flow period.

Pressure vs. Time



PRESSURE SUMMARY

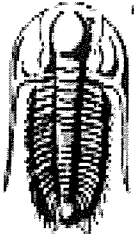
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1159.90	90.22	Initial Hydro-static
1	22.38	89.75	Open To Flow (1)
31	131.82	92.83	Shut-In(1)
61	880.57	93.14	End Shut-In(1)
61	135.08	92.93	Open To Flow (2)
91	216.09	93.31	Shut-In(2)
122	882.44	94.11	End Shut-In(2)
128	1152.72	93.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Clean Oil 100% O	0.04
450.00	Heavy Oil Cut Mud 45% O & 55 % M	3.85

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

6-22s-4e Marion, KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51779

DST#: 4

ATTN: Nick Gerstner

Test Start: 2013.11.20 @ 11:53:40

GENERAL INFORMATION:

Formation: **Upper Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:38:10

Time Test Ended: 19:03:25

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 56

Interval: **2359.00 ft (KB) To 2521.00 ft (KB) (TVD)**

Reference Elevations: 1416.00 ft (KB)

Total Depth: 2521.00 ft (KB) (TVD)

1409.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8370

Outside

Press@RunDepth: psig @ 2360.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.20

End Date: 2013.11.20

Last Calib.: 1899.12.30

Start Time: 11:51:15

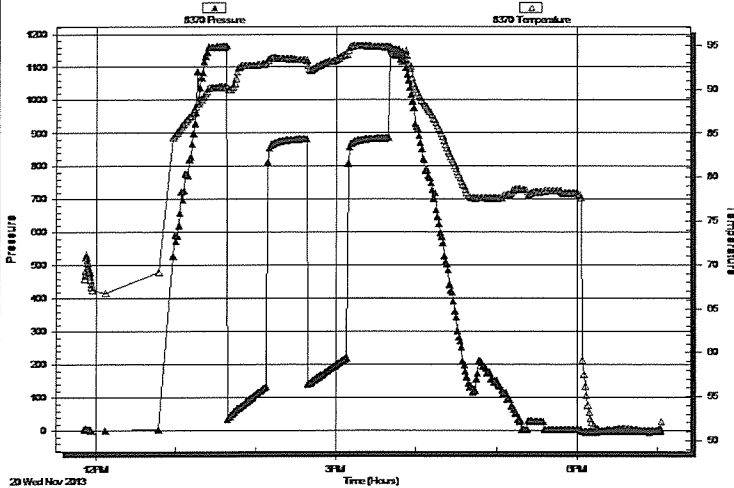
End Time: 19:03:24

Time On Btm:

Time Off Btm:

TEST COMMENT: Weak blow building to strong blow 8 minutes into initial flow period.
Weak blow building to strong blow 10 minutes into final flow period.

Pressure vs. Time



PRESSURE SUMMARY

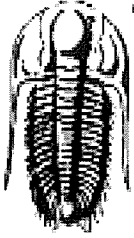
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Clean Oil 100% O	0.04
450.00	Heavy Oil Cut Mud 45% O & 55 % M	3.85

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51779

DST#:4

ATTN: Nick Gerstner

Test Start: 2013.11.20 @ 11:53:40

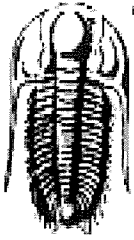
Tool Information

Drill Pipe:	Length: 2329.00 ft	Diameter: 3.00 inches	Volume: 20.36 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 34000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 20.51 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2359.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	162.00 ft			
Tool Length:	190.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2332.00	
Shut in tool	5.00			2337.00	
HMV	5.00			2342.00	
Jars	5.00			2347.00	
Safety Joint	3.00			2350.00	
Packer	4.00			2354.00	28.00 Bottom Of Top Packer
Packer	5.00			2359.00	
Stubb	1.00			2360.00	
Recorder	0.00	8352	Inside	2360.00	
Recorder	0.00	8370	Outside	2360.00	
Perforations	7.00			2367.00	
Change Over Sub	0.50			2367.50	
Blank Spacing	148.00			2515.50	
Change Over Sub	0.50			2516.00	
Bullnose	5.00			2521.00	162.00 Bottom Packers & Anchor

Total Tool Length: 190.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

6-22s-4e Marion,KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51779

DST#: 4

ATTN: Nick Gerstner

Test Start: 2013.11.20 @ 11:53:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
8.00	Clean Oil 100% O	0.039
450.00	Heavy Oil Cut Mud 45% O & 55 % M	3.850

Total Length: 458.00 ft

Total Volume: 3.889 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

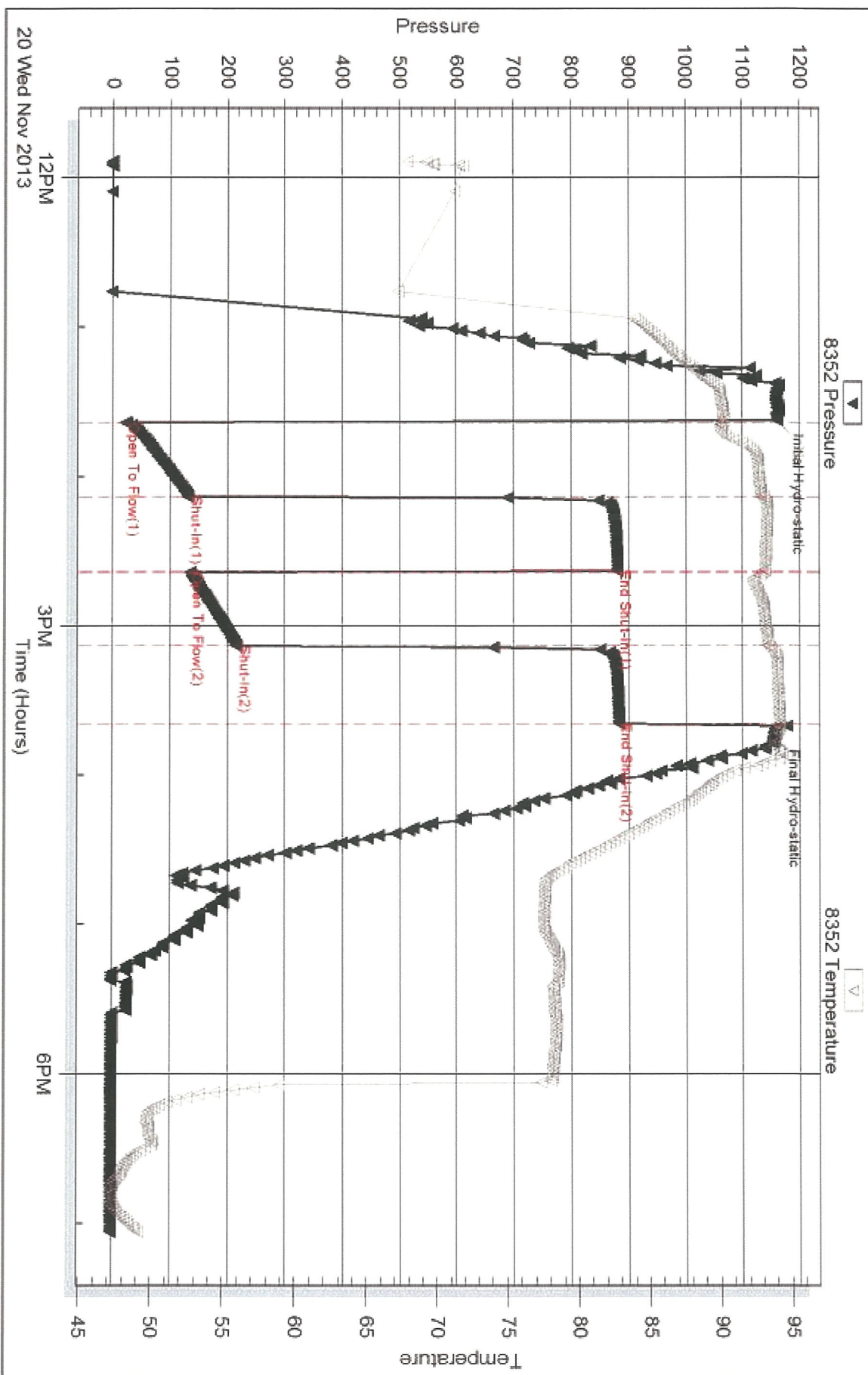
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



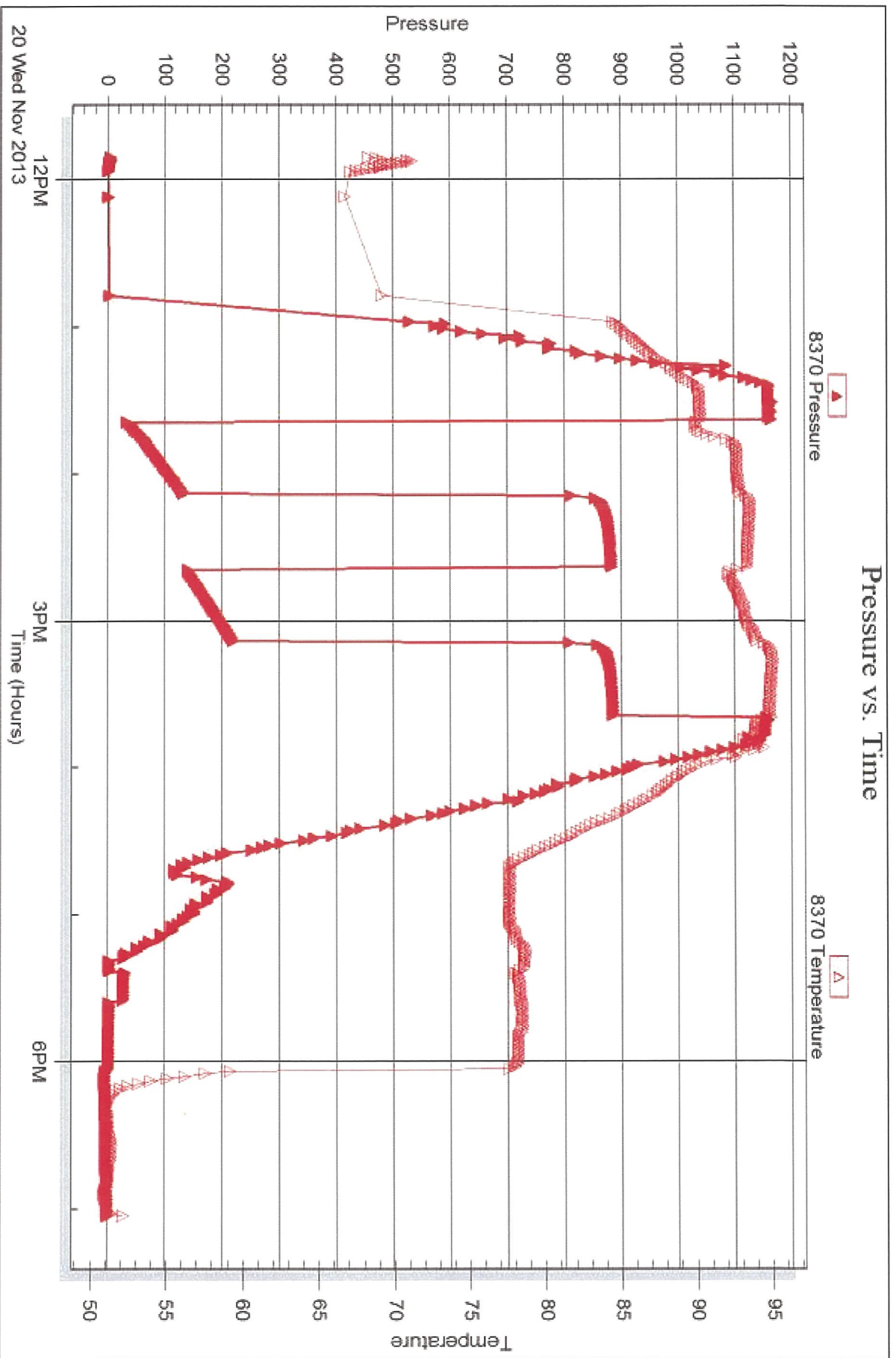
Serial #: 8370

Outside

Palomino Petroleum, Inc

Kaw #1

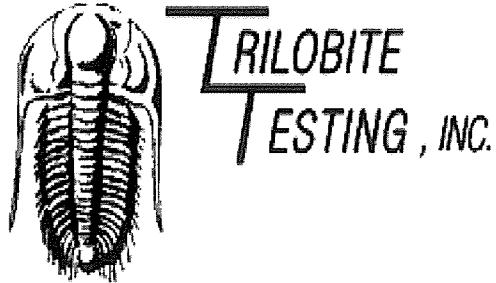
DST Test Number: 4



Trikkoble Testing, Inc

Ref. No: 51779

Printed: 2013.11.22 @ 14:51:45



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th Street
Newton, KS 67114

ATTN: Nick Gerstner

Kaw #1

6-22s-4e Marion,KS

Start Date: 2013.11.21 @ 01:10:48

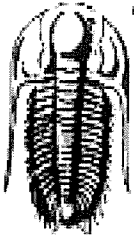
End Date: 2013.11.21 @ 07:10:33

Job Ticket #: 51780 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

6-22s-4e Marion, KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51780

DST#: 5

ATTN: Nick Gerstner

Test Start: 2013.11.21 @ 01:10:48

GENERAL INFORMATION:

Formation: **Lower Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:39:18

Time Test Ended: 07:10:33

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 56

Interval: **2523.00 ft (KB) To 2537.00 ft (KB) (TVD)**

Total Depth: 2537.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1416.00 ft (KB)

1409.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press@RunDepth: 525.03 psig @ 2524.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.21

End Date:

2013.11.21

Last Calib.: 2013.11.21

Start Time: 01:10:53

End Time:

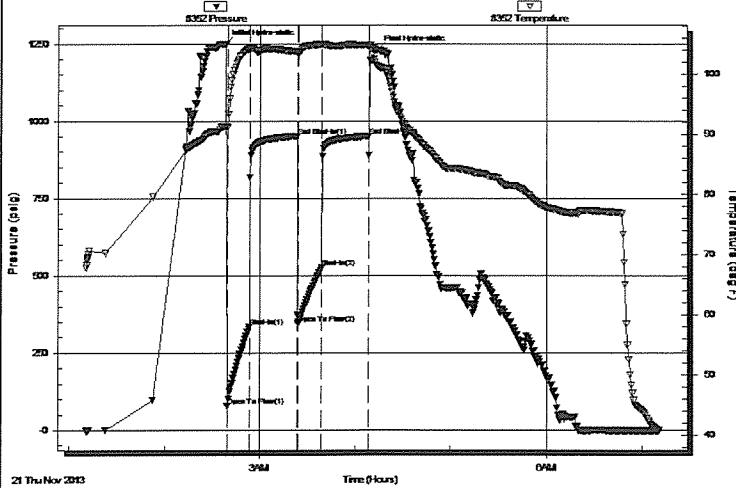
07:10:32

Time On Btm: 2013.11.21 @ 02:37:33

Time Off Btm: 2013.11.21 @ 04:13:33

TEST COMMENT: Strong blow throughout initial flow period.
Strong blow throughout final flow period.

Pressure vs. Time



PRESSURE SUMMARY

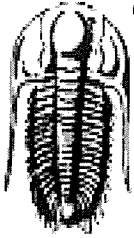
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1248.11	91.38	Initial Hydro-static
2	77.34	91.25	Open To Flow (1)
16	334.68	104.30	Shut-In(1)
46	950.61	103.87	End Shut-In(1)
47	344.42	103.71	Open To Flow (2)
62	525.03	105.01	Shut-In(2)
91	950.38	104.82	End Shut-In(2)
96	1229.26	101.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
425.00	Salt Water 100% W	3.03
500.00	O & MCW 9% O 87% W & 4% M	4.37
125.00	O & HMCW 15% O 45% W & 40% M	1.09
125.00	Oil Cut Mud 13% O & 87% M	1.09

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
 4924 SE 84th Street
 Newton, KS 67114
 ATTN: Nick Gerstner

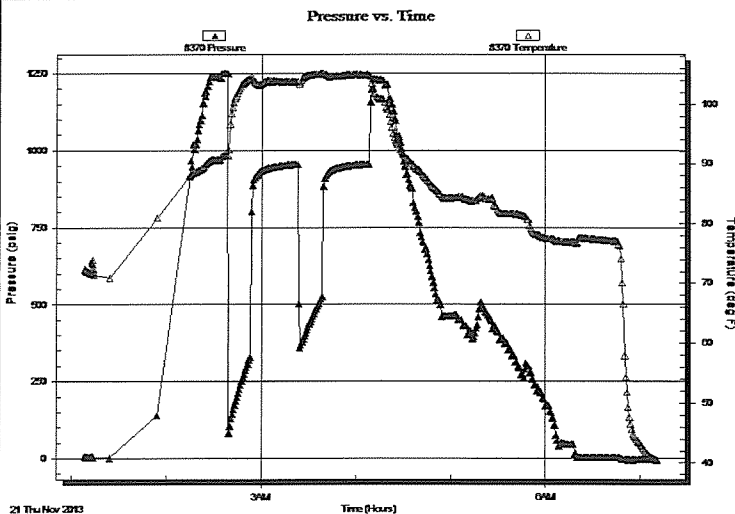
6-22s-4e Marion, KS
Kaw #1
 Job Ticket: 51780 **DST#: 5**
 Test Start: 2013.11.21 @ 01:10:48

GENERAL INFORMATION:

Formation: **Lower Hunton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:39:18
 Time Test Ended: 07:10:33
 Interval: **2523.00 ft (KB) To 2537.00 ft (KB) (TVD)**
 Total Depth: 2537.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 56
 Reference Elevations: 1416.00 ft (KB)
 1409.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8370 Outside
 Press@RunDepth: psig @ 2524.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.21 End Date: 2013.11.21 Last Calib.: 1899.12.30
 Start Time: 01:08:25 End Time: 07:10:19 Time On Btm:
 Time Off Btm:

TEST COMMENT: Strong blow throughout initial flow period.
 Strong blow throughout final flow period.



PRESSURE SUMMARY

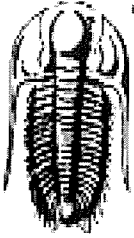
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
425.00	Salt Water 100% W	3.03
500.00	O & MCW 9% O 87% W & 4% M	4.37
125.00	O & HMCW 15% O 45% W & 40% M	1.09
125.00	Oil Cut Mud 13% O & 87% M	1.09

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

6-22s-4e Marion, KS

4924 SE 84th Street
New ton, KS 67114

Kaw #1

Job Ticket: 51780

DST#: 5

ATTN: Nick Gerstner

Test Start: 2013.11.21 @ 01:10:48

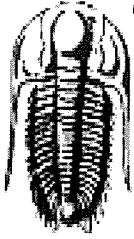
Tool Information

Drill Pipe:	Length: 2329.00 ft	Diameter: 3.00 inches	Volume: 20.36 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 21.24 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2523.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2496.00	
Shut in tool	5.00			2501.00	
HMV	5.00			2506.00	
Jars	5.00			2511.00	
Safety Joint	3.00			2514.00	
Packer	4.00			2518.00	28.00 Bottom Of Top Packer
Packer	5.00			2523.00	
Stubb	1.00			2524.00	
Recorder	0.00	8352	Inside	2524.00	
Recorder	0.00	8370	Outside	2524.00	
Perforations	8.00			2532.00	
Bullnose	5.00			2537.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc
4924 SE 84th Street
New ton, KS 67114
ATTN: Nick Gerstner

6-22s-4e Marion,KS
Kaw #1
Job Ticket: 51780 **DST#: 5**
Test Start: 2013.11.21 @ 01:10:48

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 17000 ppm
Viscosity: 7.60 sec/qt	Cushion Volume: bbl	
Water Loss: in ³	Gas Cushion Type:	
Resistivity: 2100.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
425.00	Salt Water 100% W	3.035
500.00	O & MCW 9% O 87% W & 4% M	4.371
125.00	O & HMCW 15% O 45% W & 40% M	1.093
125.00	Oil Cut Mud 13% O & 87% M	1.093

Total Length: 1175.00 ft Total Volume: 9.592 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8352

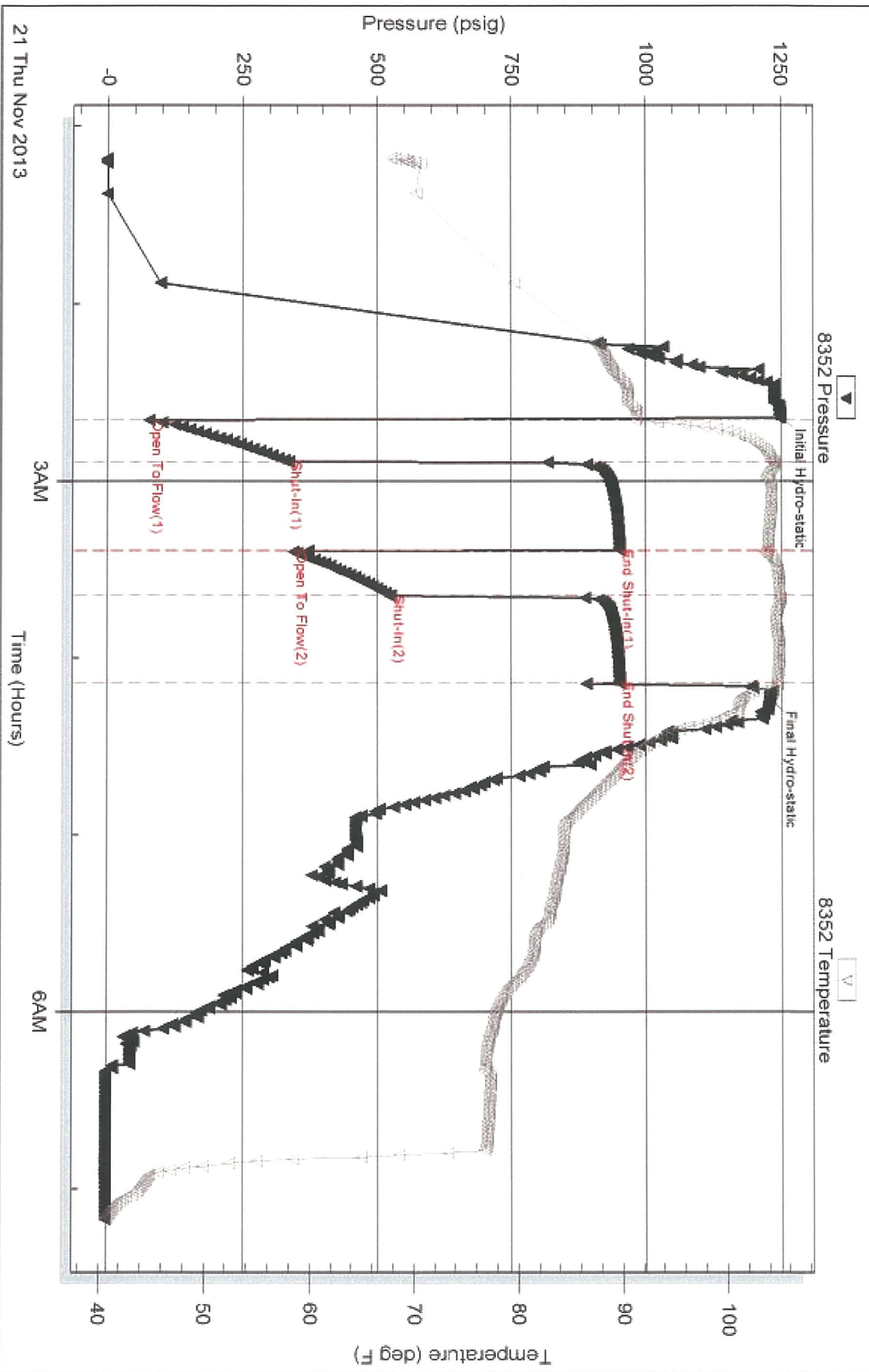
Inside

Palomino Petroleum, Inc

Kaw #1

DST Test Number: 5

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 51780

Printed: 2013 11 22 @ 14:51:00

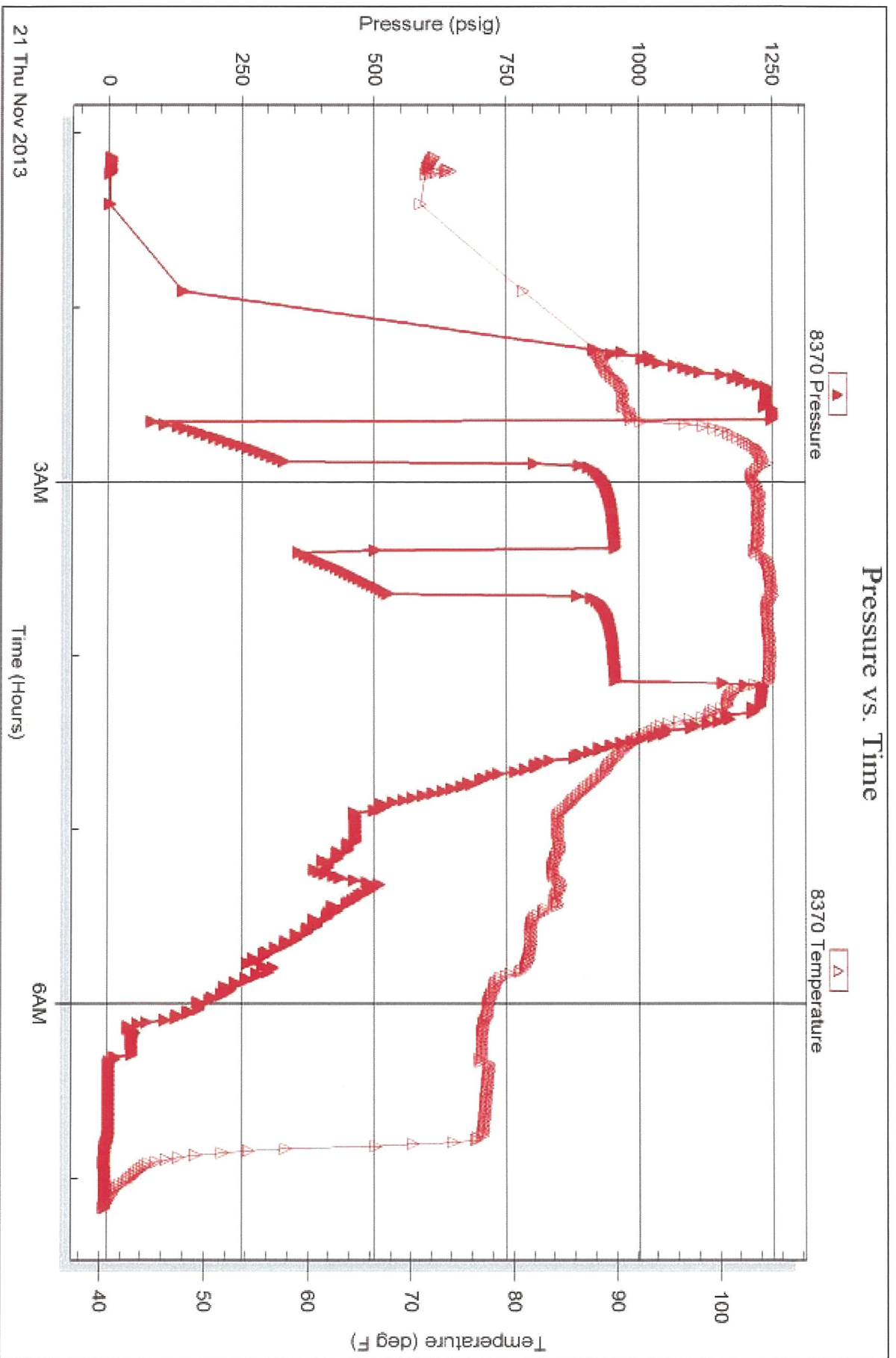
Serial #: 8370

Outside

Palomino Petroleum, Inc

Kaw #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 51780

Printed: 2013.11.22 @ 14:51:01



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51776

Well Name & No. Kaw #1 Test No. 1 Date 11-18-13
 Company Palomino Petroleum, Inc. Elevation 1409 KB 1416 GL
 Address 4924 SE 84th St. Newton, KS. 67114
 Co. Rep / Geo. Nick Gerstner Rig C & G #1
 Location: Sec. 6 Twp. 22S Rge. 4E Co. Marion State KS.

Interval Tested 2076-2180 Zone Tested Lansing Lansing
 Anchor Length 104 Drill Pipe Run 1988 Mud Wt. 9.2
 Top Packer Depth 2071 Drill Collars Run 89 Vis 41
 Bottom Packer Depth 2076 Wt. Pipe Run 0 WL 8.8
 Total Depth 2180 Chlorides 1700 ppm System LCM
 Blow Description Weak blow building to 8 inches FFP
Weak blow building to 8 inches FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>water cut Mud</u>		<u>10</u>	<u>90</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT 90 Gravity _____ API RW _____ @ _____ °F Chlorides 25000 ppm

(A) Initial Hydrostatic <u>1003</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2306</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0140</u>
(C) First Final Flow <u>66</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0310</u>
(D) Initial Shut-In <u>702</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0510</u>
(E) Second Initial Flow <u>68</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0630</u>
(F) Second Final Flow <u>85</u>	<input checked="" type="checkbox"/> Mileage <u>RT 106</u> 164.30	Comments <u>8320 - 01:37:11</u>
(G) Final Shut-In <u>684</u>	<input type="checkbox"/> Sampler _____	<u>8352 - 01:31:35</u>
(H) Final Hydrostatic <u>994</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

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

Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

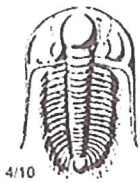
Sub Total 1639.30

Sub Total 1639.30

MP/DST Disc't _____

Approved By _____ Our Representative Jimmy Pickett

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. 51777

Well Name & No. Kaw #1 Test No. 2 Date 11-18-13
 Company Palomino Petroleum, Inc. Elevation 1409 KB 1446 GL
 Address 4924 SE 84th Street Newton, KS 67114
 Co. Rep / Geo. Nick Gerstner Rig C+G #1
 Location: Sec. 6 Twp. 22S Rge. 4E Co. Marion State KS

Interval Tested 2176-2230 Zone Tested Hertsg
 Anchor Length 54 Drill Pipe Run 2019 Mud Wt. 9.2
 Top Packer Depth 2171 Drill Collars Run 148 Vis 46
 Bottom Packer Depth 2176 Wt. Pipe Run 0 WL 8.0
 Total Depth 2230 Chlorides 1800 ppm System LCM
 Blow Description Weak blow building to 1/2 in IFP
No Blow FFP

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

Rec Total 10 BHT 89 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1058</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1330</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1340</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1553</u>
(D) Initial Shut-In <u>502</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1755</u>
(E) Second Initial Flow <u>22</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2000</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>106 RT</u> 164.30	Comments <u>8370-14:04:05</u>
(G) Final Shut-In <u>465</u>	<input type="checkbox"/> Sampler _____	<u>8352-14:10:13</u>
(H) Final Hydrostatic <u>1037</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>32</u>	<input type="checkbox"/> Day Standby _____	Total <u>1639.30</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1639.30</u>	

Approved By _____ Our Representative Jimmy Pickett

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. 51778

Well Name & No. Kaw #1 Test No. 3 Date 11-19-13
 Company Palomino Petroleum Inc. Elevation 1409 KB 1416 GL
 Address 4924 SE 84th Street, Newton, KS, 67114
 Co. Rep / Geo. Nick Gerstner Rig C+C #1
 Location: Sec. 6 Twp. 22 S Rge. 4 E Co. Marion State Ks.

Interval Tested 2359-2450 Zone Tested Mississippian
 Anchor Length 91 Drill Pipe Run 2236 Mud Wt. 9.4
 Top Packer Depth 2354 Drill Collars Run 119 Vis 49
 Bottom Packer Depth 2359 Wt. Pipe Run 0 WL 7.6
 Total Depth 2450 Chlorides 2000 ppm System LCM
 Blow Description Weak 1/4" blow throughout IFP
No blow FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Drilling 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 5 BHT 94 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>116.2</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1510</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1740</u>
(C) First Final Flow <u>17</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1948</u>
(D) Initial Shut-In <u>20</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2150</u>
(E) Second Initial Flow <u>16</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0000</u>
(F) Second Final Flow <u>16</u>	<input checked="" type="checkbox"/> Mileage <u>106 RT</u> 164.30	Comments <u>8:370 - 17:52:25</u>
(G) Final Shut-In <u>20</u>	<input type="checkbox"/> Sampler _____	<u>8:352 - 17:32:08</u>
(H) Final Hydrostatic <u>115.7</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>32</u>	<input type="checkbox"/> Day Standby _____	Total <u>1639.30</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1639.30</u>	

Approved By _____ Our Representative Jimmy Paketa
 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. 51779

Well Name & No. Kaw #1 Test No. 4 Date 11-20-13
 Company Palomino Petroleum, Inc. Elevation 1409 KB 1416 GL
 Address 4924 SE 84th Street, Newton, KS. 67114
 Co. Rep / Geo. Nick Gerstner Rig C#6 #1
 Location: Sec. 6 Twp. 22 S Rge. 4E Co. Marion State KS.

Interval Tested 2359 - 2521 Zone Tested Upper Hunton
 Anchor Length 162 Drill Pipe Run 2329 Mud Wt. 9.4
 Top Packer Depth 2354 Drill Collars Run 30 Vis 55
 Bottom Packer Depth 2359 Wt. Pipe Run 0 WL 7.6
 Total Depth 2521 Chlorides 2100 ppm System LCM

Blow Description Weak blow building to strong blow 8 min. into FF
Weak blow building to strong blow 10 min. into FFA

Rec	Feet of	%gas	%oil	%water	%mud
<u>8</u>	<u>Clean oil</u>	<u>100</u>			
<u>450</u>	<u>Heavy oil cut Mud</u>	<u>45</u>		<u>55</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 458 BHT 94 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1160 Test 1150 T-On Location 1100
 (B) First Initial Flow 22 Jars 250 T-Started 1200
 (C) First Final Flow 132 Safety Joint 75 T-Open 1338
 (D) Initial Shut-In 881 Circ Sub _____ T-Pulled 1539
 (E) Second Initial Flow 135 Hourly Standby _____ T-Out 1800
 (F) Second Final Flow 216 Mileage 106 RT 164.30 Comments 8370-11:51:16
 (G) Final Shut-In 882 Sampler _____ 8352-11:53:40
 (H) Final Hydrostatic 1153 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1639.30
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 31 Sub Total 1639.30

Approved By _____ Our Representative Jimmy Dickette

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51780

Well Name & No. Kaw #1 Test No. 5 Date 11-21-13
 Company Palomino Petroleum Inc. Elevation 1409 KB 1416 GL
 Address 4924 SE 84th Street, Newton, KS, 67114
 Co. Rep / Geo. Nick Gerstner Rig C & G #1
 Location: Sec. 6 Twp. 22 S Rge. 4 E Co. Marion State KS

Interval Tested 2523 - 2537 Zone Tested Lower Hutton
 Anchor Length 14 Drill Pipe Run 2329 Mud Wt. 9.4
 Top Packer Depth 2518 Drill Collars Run 178 Vis SS
 Bottom Packer Depth 2523 Wt. Pipe Run 0 WL 7.6
 Total Depth 2537 Chlorides 2100 ppm System LCM
 Blow Description Strong blow throughout IFP
Strong blow throughout FFP

Rec	Feet of	%gas	%oil	%water	%mud
125	Oil Cut Mud	13		87	
125	Oil + Heavy Mud Cut Water	15	45	40	
500	Oil + Mud Cut Water	9	87	4	
425	Salt water		100		

Rec Total 1175 BHT 105 Gravity 32 API RW 30 @ 45 °F Chlorides 17000 ppm
 (A) Initial Hydrostatic 1248 Test 1150 T-On Location 0000
 (B) First Initial Flow 77 Jars 250 T-Started 0130
 (C) First Final Flow 335 Safety Joint 75 T-Open 0241
 (D) Initial Shut-In 951 Circ Sub _____ T-Pulled 0411
 (E) Second Initial Flow 344 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 525 Mileage None Comments 8370 @ 01:13:20
 (G) Final Shut-In 950 Sampler _____ 8352 @ 01:10:48
 (H) Final Hydrostatic 1229 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 15 Day Standby _____ Total 1475
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1475

Approved By _____ Our Representative Jimmy [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.