

Confidentiality Requested:

Yes No

# Kansas Corporation Commission Oil & Gas Conservation Division

1229334

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.
□ Deepening       □ Re-perf.       □ Conv. to ENHR       □ Conv. to SWD         □ Plug Back       □ Conv. to GSW       □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Dual Completion Permit #:	
SWD         Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec.         TwpS. 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:

Page Two



Operator Name:				Lease N	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres o surface test, along	sures, whethe with final cha	er shut-in pre art(s). Attach	essure reac n extra shee	hed stati t if more	c level, hydrosta space is neede	itic pressures, bot d.	tom hole temp	erature, fluid re	ecovery,
Final Radioactivity Lo files must be submitte						ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electr	ronic log
Drill Stem Tests Taker (Attach Additional		Yes	☐ No				on (Top), Depth ar		Sampl	
Samples Sent to Geo	logical Survey	Yes	□No		Nam	е		Тор	Datum	1
Cores Taken Electric Log Run		☐ Yes ☐ Yes	☐ No ☐ No							
List All E. Logs Run:										
				RECORD	Ne					
	2	1				ermediate, product		T	I	
Purpose of String	Size Hole Drilled		Casing n O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Pe Additive	
			ADDITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of	Cement	# Sacks	Used		Type and F	ercent Additives		
Perforate Protect Casing	100 20111111									
Plug Back TD Plug Off Zone										
1 lug 0 li 20 lio										
Did you perform a hydrau	ulic fracturing treatment	on this well?				Yes	No (If No, ski	ip questions 2 ar	nd 3)	
Does the volume of the t							= :	p question 3)		
Was the hydraulic fractur	ring treatment information	on submitted to	the chemical	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ION RECORD Footage of Eac					cture, Shot, Cement			epth
	open,					,,				
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or Ef	NHR.   F	Producing Met	hod: Pumpin	a	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat			Gas-Oil Ratio	Gra	avity
	1									
	ON OF GAS:		en Hole	METHOD OF			mmingled	PRODUCTION	ON INTERVAL:	ļ
Vented Solo	I Used on Lease bmit ACO-18.)		en noie _	Perf.	(Submit		mmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Audrey Schwarz Unit 1
Doc ID	1229334

# Tops

Name	Тор	Datum
Anhy.	2569	(+ 387)
Base Anhy.	2600	(+ 356)
Tarkio	3643	(- 687)
Topeka	3770	(- 814)
Heebner	3981	(-1025)
Toronto	4003	(-1047)
Lansing	4020	(-1064)
Muncie Creek	4139	(-1183)
ВКС	4278	(-1322)
Marmaton	4306	(-1350)
Pawnee	4400	(-1444)
Ft. Scott	4473	(-1517)
Cherokee		



693

Signed

TON MILEAGE DELIVERY

# REMUT TO

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

#### KECEIVED

OCT 1 1 2014 MAIN OFFICE P.O. Box 884

Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

632.10

632.10

INVOICE			Invoice #	271600
Invoice Date: 10/09	/2014 Terms: 10/10/10,	n/30		age 1
PALOMINO PETROL 4924 SE 84TH ST NEWTON KS 6711 ( ) -	REET	AUDREY SCHWARZ 6-9-30 47711 10/06/2014 KS	Z UNIT #1	
			NAME AND ADDRESS OF THE PARTY STATES AND STA	D. SOUTH SHOPE SHALL SAME, MARK MARK SHALL SAME SAME IN CALL SHALL SHALL SHALL SHALL SHALL SHALL SHALL SHALL
Description P & A NEW WELL EQUIPMENT MILE.	AGE (ONE WAY)	1.00	Unit Price 1395.00 5.25	1395.00
Part Number 1131 1118B 1107 4432	Description 60/40 POZ MIX PREMIUM GEL / BENTONITE FLO-SEAL (25#) 8 5/8" WOODEN PLUG	826.00 60.00	15.8600	3806.40 223.02 178.20
Sublet Performed 9995-130 9996-130	Description CEMENT EQUIPMENT DISCOU CEMENT MATERIAL DISCOUN			Total -221.08 -430.83
Description		Hours	Unit Price	Total

Amount Due 6870.35 if paid after 10/19/2014

Date

1.00

Parts:	4308.37	Freight:	.00	Tax:	316.02	AR	6183.33
Labor:	.00	Misc:		Total:	6183.33		
Sublt:	-651.91	Supplies:	.00	Change:	.00		
		=======================================	======	=======			

\_\_\_\_\_\_

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



271600

N.	·
TICKET NUMBER_	4//11
LOCATION Oak	by Ko.
FOREMAN / AL	10,-

PO Box 884, Chanute, KS 66720	FIELD TICKET & TREATMENT REPORT

620-431 <b>-</b> 9210 c	or 800-467-8676	3		CEMEN.				Ko.
DATE	CUSTOMER#	WEL	L NAME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
	6285	Audrey	Schwarz	unit *1	6	9	30	Shardien
CUSTOMER P	Momino	J	-	mento	TDUOK #		Toucka	- 11 1
MAILING ADDRE	<u>40mmo</u>	Market 1		5 to 40 B		DRIVER	TRUCK#	DRIVER
INVIEWO ADDICE	.00			1/2 E-5.5	731	Cory		
				1	693	Kelly		
CITY		STATE	ZIP CODE	]				
JOB TYPE $P$	TA	HOLE SIZE	7%	HOLE DEPTH	4730'	CASING SIZE & V	VEIGHT	
CASING DEPTH		DRILL PIPE_4	1/2 2587	TUBING			OTHER	
SLURRY WEIGH	T /3.8	SLURRY VOL_		WATER gal/sl	<u> </u>	CEMENT LEFT In	CASING	
DISPLACEMENT		DISPLACEMEN	NT PSI	MIX PSI		RATE		
REMARKS: 50	aftu meet	ing Rig en	on WW	-10 PI	ing as or	dered		
	J	J 0 1		<u>-</u>	3			
2587'- <i>50</i>	5Ks	·						
1701'-100	SKS							
305'- 50	) SKs		240 SKs	60/40 4%	Gel 14# Flo	sea)		
40' - 10								
Plug Rath	ide 30 sk	<b>(</b> 5						
J								

		Thanks Deven Y	/	
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405 N	1	PUMP CHARGE	9 1395.00	\$ /395.°°
5406	.35	MILEAGE	8 5.25	8 183.75 ·
5407 A	/0,32	Ton mileage Delivery	× 1.75	e 632.10°
•				•
1131	240 SKS	49/40 Poz mix	<sup>1</sup> 15.8€	3806,40
1118B	826 #	Bentonite		\$ 223. <u>62</u>
1107	60 8	Floseal	32.97	8 178.20 ×
4432		8% Wooden Plug	100,75	100.75
			٠	
·				
				0 (0 (0 00
			Sub Total	65/9.2
			Less 10%	6 651.92
			Sub Total	35867.30
			SALES TAX	316.03
tavin 3737	21/ 22		ESTIMATED	4183.33

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.



# REMIT TO

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

# RECEIVED

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

Total

Invoice # INVOICE \_\_\_\_\_\_ Terms: 10/10/10, n/30 Invoice Date: 09/29/2014 Page

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

AUDREY SCHWARZ UNIT #1 6-9-30 46748 09/27/2014 KS

Oty Unit Price Part Number Description Total

CLASS "A" CEMENT (SALE) 200.00 18.5500 1104S 3710.00 CALCIUM CHLORIDE (50#) 530.16 1102 564.00 .9400 1118A S-5 GEL/ BENTONITE (50#) 376.00 .2700 101.52 Description Sublet Performed

CEMENT EQUIPMENT DISCOUNT 9995-130 -190.95 CEMENT MATERIAL DISCOUNT 9996-130 -434.16

Hours Unit Price Description Total CEMENT PUMP (SURFACE) 1.00 1150.00 1150.00 456 35.00 5.25 EQUIPMENT MILEAGE (ONE WAY) 183.75 456 TON MILEAGE DELIVERY 1.00 575.75 460 575.75

Amount Due 6561.62 if paid after 10/09/2014

\_\_\_\_\_\_ Parts: 4341.68 Freight: .00 Tax: 279.40 AR

.00 Misc: .00 Total: .00 Change: 5905.47 Labor: -625.11 Supplies: .00

\_\_\_\_\_\_

Signed Date

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



AUTHORIZTION

# 211392

LOCATION Obley KS

FOREMAN Dage Retaloff

nute, KS 66720 FIELD TICKET & TREATMENT REPO
--

	or 800-467-8676			CEMEN.	ľ			ics
DATE	CUSTOMER#	WELL NAME & NUMBER			SECTION	TOWNSHIP	RANGE	COUNTY
9:27-14	6285°	Auch	y Sahwa	rz unit#/	4	9	30	Thomas
Palomino			Mento South to	TRUCK#	DRIVER	TRUCK#	DRIVER	
MAILING ADDRE	ESS			RD 40	456_	Mike	_	
CITY		STATE	ZIP CODE	1/2 East South Into	460 Helper	Larry		
JOB TYPE SUCASING DEPTH SLURRY WEIGH DISPLACEMENT REMARKS: STOCK	256 17 <u>19.8</u> 1 <u>15.03</u> 18tey med		4.5 1.36 NT PSI , u.p. Brc	MIX PSI	Lation Mi	CASING SIZE & W  CEMENT LEFT in  RATE  X 900 SES  Cement dic	other_ casing <u>ao</u>	s A
	÷							
				•	4-4			

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Stols	l	PUMP CHARGE	1150.00	1150.00
5404	3 <b>5</b> .	MILEAGE	5.25	/83.75 <sup></sup>
54070	9.4	Ton Milesge Delivery	1.75	575.75
11045	200 sks	Class A cement	18.55	3710.00
1/02	564	Calcium Chloride	,44	530.16
///8A	376	Bentonite	-27	101.52
			Siste	6251.18
			1058 1010	625.12°
			Total	5624.06
	,			
	A A A A A A A A A A A A A A A A A A A			
				·
	-			
			SALES TAX	279.41
Ravin 3737			ESTIMATED	5905.41

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.



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

# Audrey Schwarz #1

# 6-9s-30w Sheridan,KS

Start Date: 2014.09.30 @ 16:05:00

End Date:

2014.09.30 @ 21:55:30

Job Ticket #: 58328

DST#: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.09 @ 16:49:32



Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1 Job Ticket: 58328

DST#: 1

ATTN: Ryan Seib

Test Start: 2014.09.30 @ 16:05:00

#### GENERAL INFORMATION:

Formation:

Stotler

Deviated: No Time Tool Opened: 18:18:30

Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Royal Fisher

Unit No: #54

Reference Elevations:

2956.00 ft (KB)

2951.00 ft (CF)

Interval:

Hole Diameter:

3546.00 ft (KB) To 3629.00 ft (KB) (TVD)

Total Depth:

Time Test Ended: 21:55:30

3629.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 6753 Press@RunDepth: Outside

32.57 psig @

3547.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2014.09.30 16:05:05

End Date: End Time:

2014.09.30 21:55:29

Last Calib.: Time On Btm:

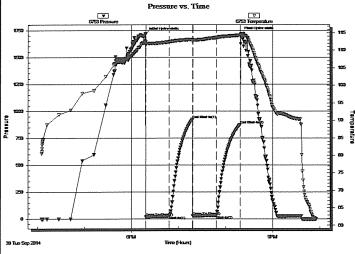
2014.09.30 2014.09.30 @ 18:18:15

Time Off Btm:

2014.09.30 @ 20:19:45

TEST COMMENT: 30 - IF - Surface blow built to a weak surface and held

30 - ISI - No Return 30 - FF - No Surface blow 30 - FSI - No Return



	PRESSURE SUMMARY							
15	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
10	0	1715.20	112.34	Initial Hydro-static				
<b>0</b> 5	1	19.57	111.49	Open To Flow (1)				
<b>a</b>	31	26.54	112.48	Shut-ln(1)				
5	60	924.86	113.14	End Shut-In(1)				
, i	60	27.65	112.58	Open To Flow (2)				
Temperature	90	32.57	113.63	Shut-ln(2)				
-	121	874.47	114.32	End Shut-In(2)				
٥	122	1718.69	114.76	Final Hydro-static				
5								
3								
5								
0								

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM - 100M - Few Oil spots	0.02

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

Trilobite Testing, Inc

Ref. No: 58328

Printed: 2014.10.09 @ 16:49:32



Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1 Job Ticket: 58328

DST#: 1

2956.00 ft (KB)

ATTN: Ryan Seib

Test Start: 2014.09.30 @ 16:05:00

#### GENERAL INFORMATION:

Formation: Stotler

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 18:18:30 Tester: Royal Fisher

Time Test Ended: 21:55:30 Unit No: #54

3546.00 ft (KB) To 3629.00 ft (KB) (TVD) Interval:

Reference Bevations: 2951.00 ft (CF)

Total Depth: 3629.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8368

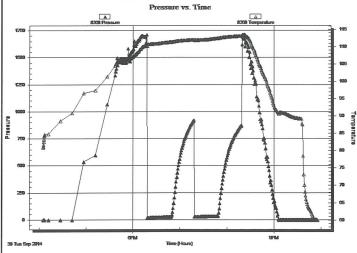
Press@RunDepth: psig @ ft (KB) Capacity: 8000.00 psig

Start Date: 2014.09.30 End Date: 2014.09.30 Last Calib.: 2014.09.30

End Time: Start Time: 16:05:05 21:55:29 Time On Btm: Time Off Btm:

TEST COMMENT: 30 - IF - Surface blow built to a weak surface and held

30 - ISI - No Return 30 - FF - No Surface blow 30 - FSI - No Return



# PRESSURE SUMMARY Annotation Time Pressure Temp (deg F) (Min.) (psig)

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM - 100M - Few Oil spots	0.02

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

Trilobite Testing, Inc Ref. No: 58328 Printed: 2014.10.09 @ 16:49:32



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

4924 SE 84th St New ton KS 67114

ATTN: Ryan Seib

6-9s-30w Sheridan,KS

Audrey Schwarz #1

Job Ticket: 58328

DST#: 1

Final 48000.00 lb

Test Start: 2014.09.30 @ 16:05:00

Tool Information

Length: 3415.28 ft Diameter: Drill Pipe: 3,80 inches Volume: 47.91 bbl Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Drill Collar: Length: 122.16 ft Diameter: 2.25 inches Volume: 0.60 bbl Weight to Pull Loose: 66000.00 lb Tool Chased 0.00 ft Total Volume: 48.51 bbl Drill Pipe Above KB: 18,44 ft String Weight: Initial 48000.00 lb

Depth to Top Packer: 3546.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 83.00 ft
Tool Length: 110.00 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			3524.00		
Hydraulic tool	5.00			3529.00		
Jars	5.00			3534.00		
Safety Joint	3.00			3537.00		
Packer	4.00			3541.00	27.00	Bottom Of Top Packer
Packer	5.00			3546.00		
Stubb	1.00			3547.00		
Recorder	0.00	8368	Inside	3547.00		
Recorder	0.00	6753	Outside	3547.00		
Perforations	13.00			3560.00		
Change Over Sub	1.00			3561.00		
Drill Pipe	63.00			3624.00		
Change Over Sub	1.00			3625.00		
Bullnose	4.00			3629.00	83.00	Bottom Packers & Anchor

Total Tool Length: 110.00

Trilobite Testing, Inc Ref. No: 58328 Printed: 2014.10.09 @ 16:49:32



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1

Job Ticket: 58328

Serial #:

DST#: 1

ATTN: Ryan Seib

Test Start: 2014.09.30 @ 16:05:00

**Mud and Cushion Information** 

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 54.00 sec/qt Cushion Volume: bbl

Water Loss: 6.18 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 1500.00 ppm Filter Cake: 1.00 inches

**Recovery Information** 

Recovery Table

 Length ft
 Description
 Volume bbl

 5.00
 OSM - 100M - Few Oil spots
 0.025

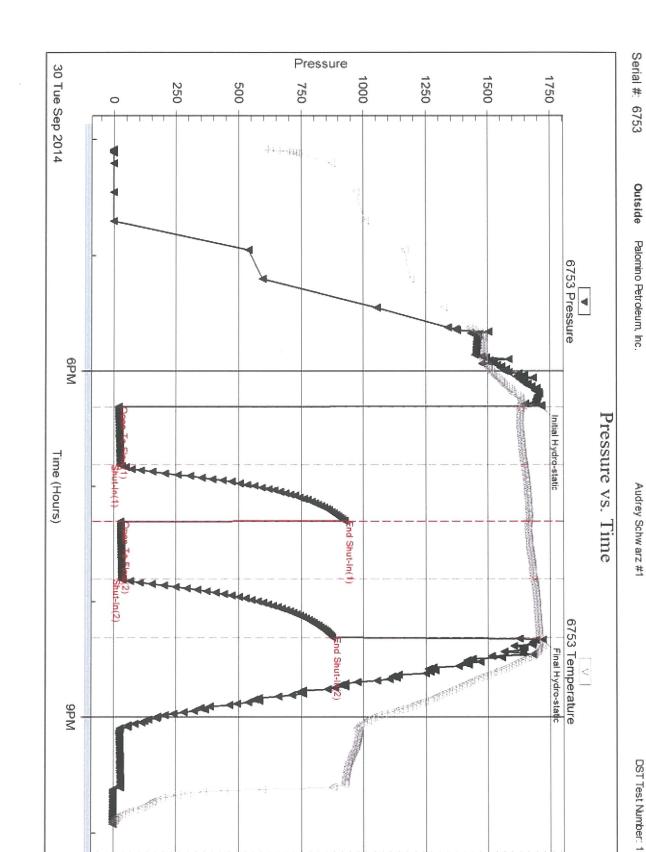
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 58328 Printed: 2014.10.09 @ 16:49:33



Temperature

Trilobite Testing, Inc.

Ref. No:

58328

Printed: 2014, 10.09 @ 16:49:33



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

# Audrey Schwarz #1

# 6-9s-30w Sheridan,KS

Start Date: 2014.10.01 @ 08:27:00

End Date:

2014.10.01 @ 13:52:00

Job Ticket #: 58329

DST#: 2

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.09 @ 16:49:05



Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1
Job Ticket: 58329

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.10.01 @ 08:27:00

#### GENERAL INFORMATION:

Formation: Tarkio

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 10:00:00 Tester: Royal Fisher

Time Test Ended: 13:52:00 Unit No: 54

Interval: 3666.00 ft (KB) To 3771.00 ft (KB) (TVD) Reference ⊟evations: 2956.00 ft (KB)

Total Depth: 3771.00 ft (KB) (TVD) 2951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6753 Outside

Press@RunDepth: 893.62 psig @ 3667.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2014.10.01
 End Date:
 2014.10.01
 Last Calib.:
 2014.10.01

 Start Time:
 08:27:05
 End Time:
 13:51:59
 Time On Btm:
 2014.10.01 @ 09:59:15

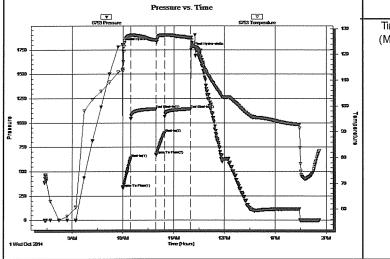
Time Off Btm: 2014.10.01 @ 11:20:15

TEST COMMENT: 10 - IF - Surface blow built to BOB in 1 min.

30 - ISI - No Return

10 - FF - Surface blow built to BOB in 1 min.

30 - FSI - No Return



#### PRESSURE SUMMARY

	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	1801.47	113.94	Initial Hydro-static		
	1	331.76	114.23	Open To Flow (1)		
	10	638.83	127.35	Shut-In(1)		
	40	1143.13	125.53	End Shut-In(1)		
5	40	675.03	125.22	Open To Flow (2)		
Temperature	50	893.62	127.46	Shut-in(2)		
5	81	1141.11	126.39	End Shut-In(2)		
	81	1752.53	126.49	Final Hydro-static		

#### Recovery

Length (ft)	Description	Volume (bbl)
1260.00	MW - 5M - 95W	16.56
315.00	MW - 35M - 65W	4.42
262.00	WM - 50M - 50W	3.68

#### Gas Rates

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

— 1

Trilobite Testing, Inc Ref. No: 58329 Printed: 2014.10.09 @ 16:49:05



Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1 Job Ticket: 58329

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.10.01 @ 08:27:00

#### **GENERAL INFORMATION:**

Formation: Tarkio

No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Deviated:

Tester: Royal Fisher Time Tool Opened: 10:00:00 Unit No:

Time Test Ended: 13:52:00

3666.00 ft (KB) To 3771.00 ft (KB) (TVD) Interval:

Reference Bevations: 2956.00 ft (KB) 2951.00 ft (CF)

Total Depth: 3771.00 ft (KB) (TVD)

5.00 ft KB to GR/CF: Hole Diameter: 7.88 inches Hole Condition: Good

Serial #: 8368

Press@RunDepth: psig @ ft (KB) Capacity: 8000.00 psig

Start Date: 2014.10.01 End Date: 2014.10.01 Last Calib.: 2014.10.01

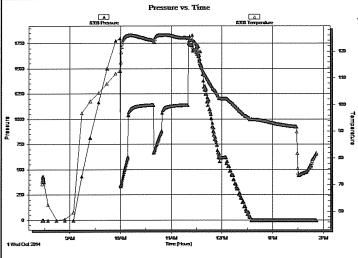
Start Time: 08:27:05 End Time: 13:51:59 Time On Btm: Time Off Btm:

TEST COMMENT: 10 - IF - Surface blow built to BOB in 1 min.

30 - ISI - No Return

10 - FF - Surface blow built to BOB in 1 min.

30 - FSI - No Return



PRESSU	IRE :	SUMN	IARY

-		,		
	Time	Pressure	Temp	Annotation
1	(Min.)	(psig)	(deg F)	
1				
٠				

#### Recovery

Length (ft)	Description	Volume (bbl)
1260.00	MW - 5M - 95W	16.56
315.00	MW - 35M - 65W	4.42
262.00	WM - 50M - 50W	3.68

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 58329 Printed: 2014.10.09 @ 16:49:06



**TOOL DIAGRAM** 

DST#: 2

Final 60000.00 lb

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St New ton KS 67114

ATTN: Ryan Seib

Audrey Schwarz #1

Job Ticket: 58329

Test Start: 2014.10.01 @ 08:27:00

Tool Information

Drill Pipe: Length: 3539.92 ft Diameter: 3.80 inches Volume: 49.66 bbl Tool Weight: 2500.00 lb 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: Drill Collar: Length: 122.16 ft Diameter: 2.25 inches Volume: 0.60 bbl Weight to Pull Loose: 64000.00 lb Total Volume: 50.26 bbl Tool Chased 0.00 ft Drill Pipe Above KB: 23.08 ft String Weight: Initial 52000.00 lb

Depth to Top Packer: 3666.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 105.00 ft

Tool Length: 105.00 ft 132.00 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			3644.00		
Hydraulic tool	5.00			3649.00		
Jars	5.00			3654.00		
Safety Joint	3.00			3657.00		
Packer	4.00			3661.00	27.00	Bottom Of Top Packer
Packer	5.00			3666.00		
Stubb	1.00			3667.00		
Recorder	0.00	8368	Inside	3667.00		
Recorder	0.00	6753	Outside	3667.00		
Perforations	35.00			3702.00		
Change Over Sub	1.00			3703.00		
Drill Pipe	63.00			3766.00		
Change Over Sub	1.00			3767.00		
Bulinose	4.00			3771.00	105.00	Bottom Packers & Anchor

Total Tool Length: 132.00

Trilobite Testing, Inc Ref. No: 58329 Printed: 2014.10.09 @ 16:49:06



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1

Job Ticket: 58329

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.10.01 @ 08:27:00

**Mud and Cushion Information** 

1.00 inches

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:42000 ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 54.00 sec/qt Cushion Volume: bbl

Water Loss: 6.18 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 1500.00 ppm

#### **Recovery Information**

Filter Cake:

#### Recovery Table

Length ft	Description	Volume bbl
1260.00	MW - 5M - 95W	16.562
315.00	MW - 35M - 65W	4.419
262.00	WM - 50M - 50W	3.675

Total Length: 1837.00 ft Total Volume: 24.656 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

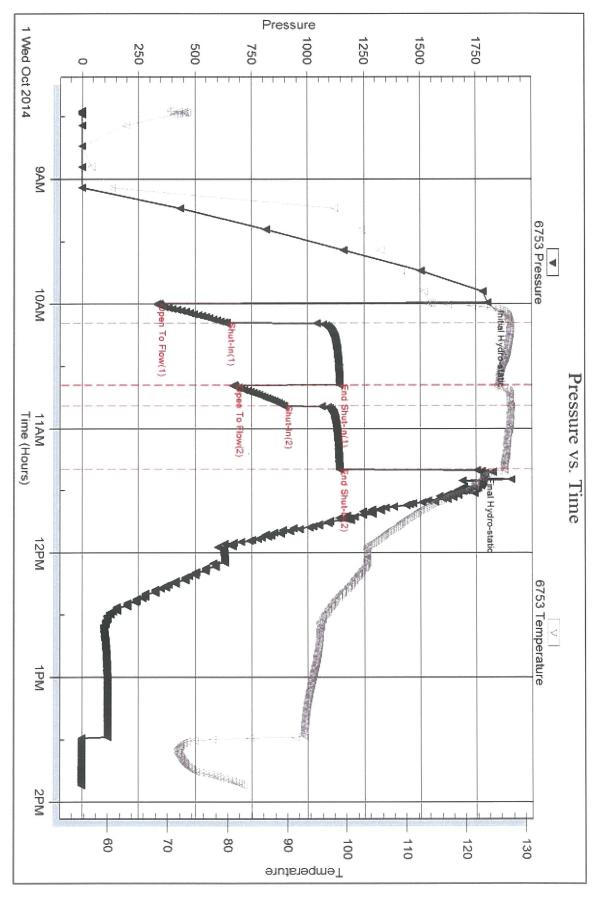
Trilobite Testing, Inc Ref. No: 58329 Printed: 2014.10.09 @ 16:49:06



Printed: 2014.10.09 @ 16:49:06

Serial #: 6753

Outside Palomino Petroleum, Inc.



90

Temperature

100

110

120

80

DST Test Number: 2

1PM

2PM

60

70



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

# **Audrey Schwarz #1**

## 6-9s-30w Sheridan, KS

Start Date: 2014.10.02 @ 08:33:00 End Date: 2014.10.02 @ 13:51:30 Job Ticket #: 58330 DST #: 3

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

Printed: 2014.10.09 @ 16:48:39



Palomino Petroleum, Inc.

Audrey Schwarz #1

4924 SE 84th St New ton KS 67114

Job Ticket: 58330

6-9s-30w Sheridan,KS

DST#: 3

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 08:33:00

## GENERAL INFORMATION:

Formation:

Toronto

Deviated: No Whipstock: Time Tool Opened: 10:07:45

Time Test Ended: 13:51:30

ft (KB)

Test Type: Conventional Bottom Hole (Initial) Royal Fisher

Tester:

Unit No:

Interval:

3980.00 ft (KB) To 4026.00 ft (KB) (TVD)

4026.00 ft (KB) (TVD)

Outside

7.88 inches Hole Condition: Good

Reference Elevations: 2956.00 ft (KB)

2951.00 ft (CF)

5.00 ft KB to GR/CF:

Serial #: 6753

Press@RunDepth:

53.89 psig @

3981.00 ft (KB)

2014.10.02

122

123

1205.97

1988.73

Capacity:

8000.00 psig

Start Date: Start Time:

Total Depth:

Hole Diameter:

2014.10.02 08:33:05

End Date: End Time:

13:51:29

Last Calib.: Time On Btm:

2014.10.02 2014.10.02 @ 10:07:30

Time Off Btm: 2014.10.02 @ 12:10:15

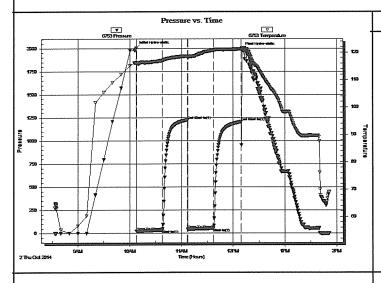
PRESSURE SUMMARY

TEST COMMENT: 30 - IF - Surface blow built to 1 1/2"

30 - ISI - No Return

30 - FF - Surface blow built to a weak blow

30 - FSI - No Return



#### Annotation Time Pressure Temp (Min.) (deg F) (psig) 2005.01 116.34 Initial Hydro-static 0 21.00 115.77 Open To Flow (1) 1 35.99 117.01 Shut-In(1) 31 1226.55 118.62 End Shut-In(1) 60 Open To Flow (2) 60 43.76 117.78 53.89 90 120.76 Shut-In(2)

121.20

121.42

Recovery

Length (ft)	Description	Volume (bbl)
94.00	Mud - 100M	0.46

Gas Rates

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

End Shut-In(2)

Final Hydro-static

Ref. No: 58330 Printed: 2014.10.09 @ 16:48:40 Trilobite Testing, Inc.



Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1 Job Ticket: 58330

DST#: 3

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 08:33:00

Royal Fisher

#### GENERAL INFORMATION:

Toronto Formation:

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 10:07:45 Tester:

Time Test Ended: 13:51:30 Unit No:

Reference Elevations: 3980.00 ft (KB) To 4026.00 ft (KB) (TVD) 2956.00 ft (KB) Interval:

4026.00 ft (KB) (TVD) Total Depth:

2951.00 ft (CF) KB to GR/CF: 5.00 ft Hole Diameter: 7.88 inches Hole Condition: Good

Serial #: 8368

Press@RunDepth: psig @ ft (KB) Capacity: 8000.00 psig

Start Date: 2014.10.02 End Date: 2014.10.02 Last Calib.: 2014.10.02

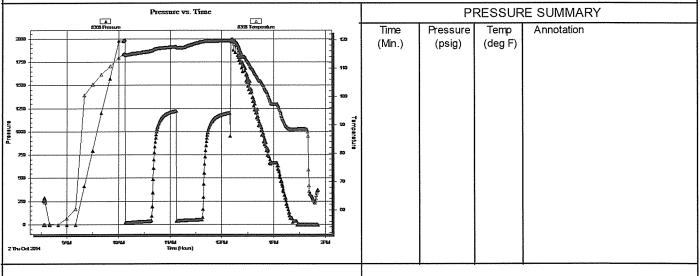
08:33:05 End Time: 13:51:29 Time On Btm: Start Time: Time Off Btm:

TEST COMMENT: 30 - IF - Surface blow built to 1 1/2"

30 - ISI - No Return

30 - FF - Surface blow built to a weak blow

30 - FSI - No Return



#### Recovery

Length (ft)	Description	Volume (bbl)
94.00 Mud - 100M		0.46

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 58330 Printed: 2014.10.09 @ 16:48:40



**TOOL DIAGRAM** 

Final 54000.00 lb

Palomino Petroleum, Inc.

New ton KS 67114

4924 SE 84th St Audrey Schwarz #1

ATTN: Ryan Seib Job Ticket: 58330 DST#:3

ATTN: Ryan Seib Test Start: 2014.10.02 @ 08:33:00

6-9s-30w Sheridan, KS

Tool Information

Drill Pipe: Length: 3854.87 ft Diameter: 3.80 inches Volume: 54.07 bbl Tool Weight: 2500.00 lb Heavy Wt. Pipe: Length: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb 0.00 ft Diameter: Drill Collar: Length: 122.16 ft Diameter: 2.25 inches Volume: 0.60 bbl Weight to Pull Loose: 62000.00 lb Tool Chased Total Volume: 54.67 bbl 0.00 ft Drill Pipe Above KB: 24.03 ft String Weight: Initial 54000.00 lb

Depth to Top Packer: 3980.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 46.00 ft
Tool Length: 73.00 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			3958.00		
Hydraulic tool	5.00			3963.00		
Jars	5.00			3968.00		
Safety Joint	3.00			3971.00		
Packer	4.00			3975.00	27.00	Bottom Of Top Packer
Packer	5.00			3980.00		
Stubb	1.00			3981.00		
Recorder	0.00	8368	Inside	3981.00		
Recorder	0.00	6753	Outside	3981.00		
Perforations	8.00			3989.00		
Change Over Sub	1.00			3990.00		
Drill Pipe	31.00			4021.00		
Change Over Sub	1.00			4022.00		
Bullnose	4.00			4026.00	46.00	Bottom Packers & Anchor

Total Tool Length: 73.00

Trilobite Testing, Inc Ref. No: 58330 Printed: 2014.10.09 @ 16:48:40



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1 Job Ticket: 58330

DST#: 3

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 08:33:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type: Cushion Length: Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Volume:

Water Salinity:

ppm

Viscosity: Water Loss:

Filter Cake:

55.00 sec/qt 6.39 in<sup>3</sup>

Gas Cushion Type:

bbl

ft

0.00 ohm.m Resistivity: Salinity:

1900.00 ppm 1.00 inches Gas Cushion Pressure: psig

**Recovery Information** 

Recovery Table

Length ft Description Volume bbl 94.00 Mud - 100M 0.462

Total Length:

94.00 ft

Total Volume: 0.462 bbl

Serial #:

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs: Laboratory Location:

Recovery Comments:

Printed: 2014.10.09 @ 16:48:40 Trilobite Testing, Inc Ref. No: 58330

Triobite Testing, Inc.

Ref. No:

58330

Printed: 2014.10.09 @ 16:48:41

Trilobite Testing, Inc.

Ref. No:

58330

Printed: 2014,10.09 @ 16:48:41

2014.10.02



# DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

# Audrey Schwarz #1

## 6-9s-30w Sheridan, KS

Start Date: 2014.10.02 @ 22:20:00 End Date: 2014.10.03 @ 03:35:00 Job Ticket #: 58331 DST #: 4

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.09 @ 16:46:35



Palomino Petroleum, Inc.

Audrey Schwarz #1

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114

ATTN: Ryan Seib

Job Ticket: 58331 DST#: 4

Test Start: 2014.10.02 @ 22:20:00

#### GENERAL INFORMATION:

Formation: LKC 'C'

Time Tool Opened: 23:47:00

Time Test Ended: 03:35:00

Deviated:

Interval:

Total Depth:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Tester: Royal Fisher

Unit No: #54

4034.00 ft (KB) To 4065.00 ft (KB) (TVD)

4065.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Reference Elevations: 2956.00 ft (KB)

2951.00 ft (CF)

5.00 ft KB to GR/CF:

Inside Serial #: 6753

Press@RunDepth:

22.36 psig @

4035.00 ft (KB)

2014.10.03

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2014.10.02 22:20:05

End Date: End Time:

03:34:59

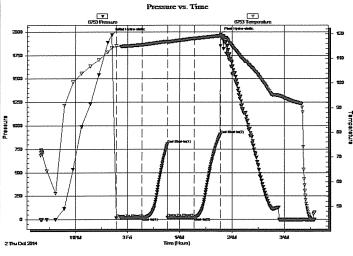
Time On Btm:

2014.10.03 2014.10.02 @ 23:42:00

Time Off Btm: 2014.10.03 @ 01:47:15

TEST COMMENT: 30 - IF - Surface blow built to 1/2"

30 - ISI - No Return 30 - FF - No Surface blow 30 - FSI - No Return



	PRESSURE SUMMARY							
1	Time	Pressure	Temp	Annotation				
'	(Min.)	(psig)	(deg F)					
	0	1969.39	114.25	Initial Hydro-static				
	5	17.17	114.99	Open To Flow (1)				
,	35	19.90	115.57	Shut-ln(1)				
	64	805.14	116.92	End Shut-In(1)				
Ten	65	20.07	116.40	Open To Flow (2)				
Tamparaturi	95	22.36	118.10	Shut-ln(2)				
U70	125	905.58	119.18	End Shut-In(2)				
	126	1973.63	119.74	Final Hydro-static				

# Recovery Description Volume (bbl) Length (ft) 5.00 Mud - 100M 0.02

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

Gas Rates

Trilobite Testing, Inc Ref. No: 58331 Printed: 2014.10.09 @ 16:46:35



Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St New ton KS 67114

ATTN: Ryan Seib

Audrey Schwarz #1

Job Ticket: 58331

DST#:4

Test Start: 2014.10.02 @ 22:20:00

#### GENERAL INFORMATION:

Formation: LKC 'C'

Deviated: No Whipstock: ft (KB)

ft (KB) Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher

Time Tool Opened: 23:47:00 Tester: Ro

Time Test Ended: 03:35:00 Unit No: #54

Interval: 4034.00 ft (KB) To 4065.00 ft (KB) (TVD) Reference Elevations: 2956.00 ft (KB)

Total Depth: 4065.00 ft (KB) (TVD) 2951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8368 Outside

Press@RunDepth: psig @ 4035.00 ft (KB) Capacity: 8000.00 psig

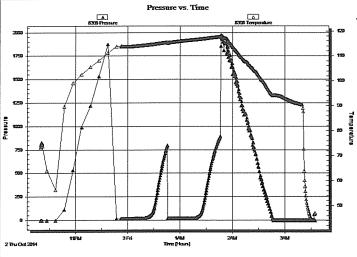
Start Date: 2014.10.02 End Date: 2014.10.03 Last Calib.: 2014.10.03

 Start Time:
 22:20:05
 End Time:
 03:34:59
 Time On Btm:

 Time Off Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF - Surface blow built to 1/2"

30 - ISI - No Return 30 - FF - No Surface blow 30 - FSI - No Return



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

#### Recovery

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

Gas Nai		
		r
Choka (inches)	Pressure (neig)	Gas Rate (Meth)

Trilobite Testing, Inc Ref. No: 58331 Printed: 2014.10.09 @ 16:46:35



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1

Job Ticket: 58331

DST#: 4

ATTN: Ryan Seib Test Start: 2014.10.02 @ 22:20:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar: Length:

Length: 3886.72 ft Diameter: 0.00 ft Diameter: 122.16 ft Diameter:

3.80 inches Volume: 54.52 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.60 bbl 55.12 bbl Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 68000.00 lb Tool Chased

String Weight: Initial 56000.00 lb

0.00 ft

Final 56000.00 lb

Drill Pipe Above KB: 1.88 ft Depth to Top Packer: 4034.00 ft Depth to Bottom Packer: ft

Interval between Packers: 31.00 ft 58.00 ft Tool Length:

Number of Packers: Tool Comments:

2 Diameter:

6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4012.00		
Hydraulic tool	5.00			4017.00		
Jars	5.00			4022.00		
Safety Joint	3.00			4025.00		
Packer	4.00			4029.00	27.00	Bottom Of Top Packer
Packer	5.00			4034.00		
Stubb	1.00			4035.00		
Recorder	0.00	6753	Inside	4035.00		
Recorder	0.00	8368	Outside	4035.00		
Perforations	26.00			4061.00		
Bullnose	4.00			4065.00	31.00	Bottom Packers & Anchor

Total Tool Length: 58.00

Trilobite Testing, Inc Ref. No: 58331 Printed: 2014.10.09 @ 16:46:36



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1 Job Ticket: 58331

DST#: 4

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 22:20:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

ppm

Water Loss:

55.00 sec/qt 9.58 in<sup>3</sup>

Gas Cushion Type:

bbl psig

ft

Resistivity:

0.00 ohm.m 2000.00 ppm

Gas Cushion Pressure:

Salinity: 1.00 inches Filter Cake:

# **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - 100M	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name: Recovery Comments: Laboratory Location:

Trilobite Testing, Inc Ref. No: 58331 Printed: 2014.10.09 @ 16:46:36

80

Temperature

70

90

100

110

50

60

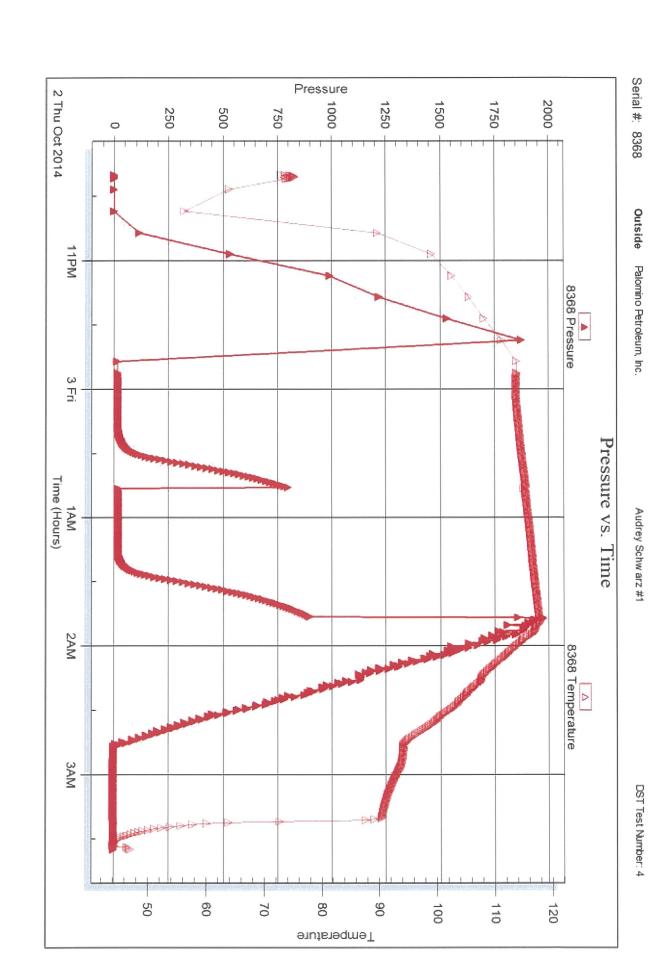
Inside

Palomino Petroleum, Inc.

Audrey Schwarz #1

DST Test Number: 4

120



Trilobite Testing, Inc.

Ref. No:

58331

Printed: 2014, 10.09 @ 16:46:36



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

# **Audrey Schwarz #1**

# 6-9s-30w Sheridan,KS

Start Date: 2014.10.03 @ 11:58:00 End Date: 2014.10.03 @ 18:09:30 Job Ticket #: 60146 DST #: 5

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1 Job Ticket: 60146

DST#: 5

ATTN: Ryan Seib

Test Start: 2014.10.03 @ 11:58:00

#### GENERAL INFORMATION:

Time Tool Opened: 14:11:45

Time Test Ended: 18:09:30

Formation:

LKC "D- F"

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Donovan Baumann

Unit No:

4062.00 ft (KB) To 4110.00 ft (KB) (TVD)

Interval: Total Depth: Hole Diameter:

4110.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Reference Elevations:

2956.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 6753 Press@RunDepth: Outside

312.80 psig @

4063.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2014.10.03 11:58:05

End Date: End Time: 2014.10.03 18:09:29

Time On Btm:

2014.10.03

Time Off Btm:

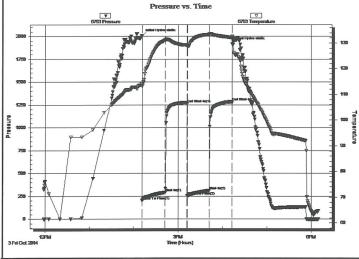
2014.10.03 @ 14:11:30 2014.10.03 @ 16:13:15

TEST COMMENT: 30 - IF - Strong surface blow built to BOB in 10 min.

30 - ISI - No return

30 - FF - Surface blow built to BOB in 11 min.

30 - FSI - No return



#### PRESSURE SUMMARY

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2004.61	114.11	Initial Hydro-static
	1	202.15	113.07	Open To Flow (1)
	32	290.90	131.10	Shut-ln(1)
	61	1265.82	129.08	End Shut-In(1)
1	61	252.98	128.68	Open To Flow (2)
	91	312.80	133.31	Shut-In(2)
	122	1284.77	132.05	End Shut-In(2)
	122	1914.40	132.50	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud - 100M	0.30
251.00	MCW - 10M - 90W	2.97
252.00	Watery Mud - 65M - 35W	3.53
5.00	5.00 Watery Mud - 60M - 40W	

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 60146

Printed: 2014.10.09 @ 16:47:34



Palomino Petroleum, Inc.

**Audrey Schwarz #1** 

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114

Job Ticket: 60146

DST#: 5

ATTN: Ryan Seib

Test Start: 2014.10.03 @ 11:58:00

#### GENERAL INFORMATION:

Time Tool Opened: 14:11:45 Time Test Ended: 18:09:30

Formation:

LKC "D- F"

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) 54

Tester:

Donovan Baumann

Unit No:

Interval:

4062.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations:

2956.00 ft (KB)

Total Depth:

4110.00 ft (KB) (TVD)

2951.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 8368

Press@RunDepth:

Inside

psig @

4063.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2014.10.03

End Date:

2014.10.03 18:09:29 Last Calib.: Time On Btm: 2014.10.03

Start Time:

11:58:05

End Time:

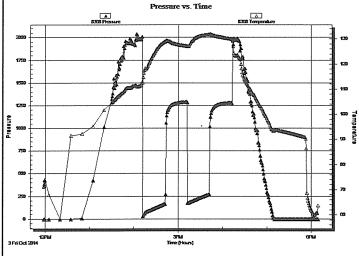
Time Off Btm:

TEST COMMENT: 30 - IF - Strong surface blow built to BOB in 10 min.

30 - ISI - No return

30 - FF - Surface blow built to BOB in 11 min.

30 - FSI - No return



#### PRESSURE SUMMARY

	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
Temperature	(IVIII.)	(həiñ)	(ueg r)		

#### Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud - 100M	0.30
251.00	MCW - 10M - 90W	2.97
252.00	Watery Mud - 65M - 35W	3.53
5.00	Watery Mud - 60M - 40W	0.07

#### Gas Rates

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

Ref. No: 60146 Printed: 2014.10.09 @ 16:47:35 Trilobite Testing, Inc



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1

Job Ticket: 60146

DST#: 5

Final 58000.00 lb

ATTN: Ryan Seib

Test Start: 2014.10.03 @ 11:58:00

Tool Information

Drill Pipe: Length: 3914.84 ft Diameter: 3.80 inches Volume: 54.91 bbl Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb Heavy Wt. Pipe: Length: 0.00 inches Volume: 0.00 bbl 0.00 ft Diameter: Drill Collar: Length: 122.16 ft Diameter: 2.25 inches Volume: 0.60 bbl Weight to Pull Loose: 70000.00 lb Tool Chased Total Volume: 55.51 bbl 1.00 ft Drill Pipe Above KB: 2.00 ft String Weight: Initial 54000.00 lb

Depth to Top Packer: 4062.00 ft
Depth to Bottom Packer: ft

Interval between Packers: 48.00 ft
Tool Length: 75.00 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			4040.00		
Hydraulic tool	5.00			4045.00		
Jars	5.00			4050.00		
Safety Joint	3.00			4053.00		
Packer	4.00			4057.00	27.00	Bottom Of Top Packer
Packer	5.00			4062.00		
Stubb	1.00			4063.00		
Recorder	0.00	8368	Inside	4063.00		
Recorder	0.00	6753	Outside	4063.00		
Perforations	10.00			4073.00		
Change Over Sub	1.00			4074.00		
Drill Pipe	31.00			4105.00		
Change Over Sub	1.00			4106.00		
Bullnose	4.00			4110.00	48.00	Bottom Packers & Anchor

Total Tool Length: 75.00

Trilobite Testing, Inc Ref. No: 60146 Printed: 2014.10.09 @ 16:47:35



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

**Audrey Schwarz #1** 

4924 SE 84th St New ton KS 67114

Job Ticket: 60146

6-9s-30w Sheridan, KS

DST#: 5

ATTN: Ryan Seib

Test Start: 2014.10.03 @ 11:58:00

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API 9.00 lb/gal Cushion Length: ft Water Salinity: Mud Weight: ppm

Viscosity: 46.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in<sup>3</sup> Gas Cushion Type:

Gas Cushion Pressure: psig

Salinity: 2200.00 ppm Filter Cake: 1.00 inches

0.00 ohm.m

#### **Recovery Information**

Resistivity:

#### Recovery Table

Length ft	Description	Volume bbl
62.00	Mud - 100M	0.305
251.00	MCW - 10M - 90W	2.973
252.00	Watery Mud - 65M - 35W	3.535
5.00	Watery Mud - 60M - 40W	0.070

Total Length: 570.00 ft Total Volume: 6.883 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 60146 Printed: 2014.10.09 @ 16:47:35

Serial #: 6753

Outside Palomino Petroleum, Inc.

Audrey Schwarz #1

DST Test Number: 5

6PM

60

70

80

90

Temperature S 110

120

130

Serial #: 8368

Inside

Palomino Petroleum, Inc.

Audrey Schwarz #1

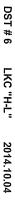
DST Test Number: 5

Trilobite Testing, Inc.

Ref. No:

60146

Printed: 2014.10.09 @ 16:47:35





Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

#### **Audrey Schwarz #1**

#### 6-9s-30w Sheridan,KS

Start Date: 2014.10.04 @ 13:58:00 End Date: 2014.10.04 @ 19:42:30 Job Ticket #: 60147 DST#: 6

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum, Inc.

4924 SE 84th St New ton KS 67114

ATTN: Ryan Seib

6-9s-30w Sheridan, KS

Audrey Schwarz #1

Job Ticket: 60147

DST#:6

Test Start: 2014.10.04 @ 13:58:00

#### **GENERAL INFORMATION:**

Formation:

LKC "H-L"

Deviated:

Interval:

No Whipstock: ft (KB)

Time Tool Opened: 15:53:30

Time Test Ended: 19:42:30

4136.00 ft (KB) To 4295.00 ft (KB) (TVD)

Total Depth: 4295.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Test Type: Conventional Bottom Hole (Initial)

Tester:

Donovan Baumann

Unit No: 54

Reference Elevations:

2956.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 6753 Outside

Press@RunDepth:

Start Date:

Start Time:

88.59 psig @ 2014.10.04

13:58:05

4137.00 ft (KB) End Date:

End Time:

2014.10.04 19:42:29 Capacity:

8000.00 psig

Last Calib .: Time On Btm:

2014.10.04 2014.10.04 @ 15:53:15

Time Off Btm:

2014.10.04 @ 17:55:15

TEST COMMENT: 30 - IF - Weak surface blow built to 3" in 30 min.

30 - ISI - No return

30 - FF - Weak surface blow built to 1 1/2" in 30 min.

30 - FSI - No return

# Pressure vs. Time

	PRESSURE SUMMARY				
5	Time	Pressure	Temp	Annotation	
,	(Min.)	(psig)	(deg F)		
5	0	2049.19	117.40	Initial Hydro-static	
	1	27.91	116.57	Open To Flow (1)	
5	32	72.68	118.81	Shut-ln(1)	
1	61	1233.25	119.64	End Shut-In(1)	
edus	62	72.61	119.31	Open To Flow (2)	
Temperature (deg F)	91	88.59	121.04	Shut-ln(2)	
û .	122	1175.29	121.49	End Shut-In(2)	
J	122	1969.77	121.77	Final Hydro-static	

#### Recovery

	Length (ft)	Description	Volume (bbl)
	151.00	Mud - 100M	1.01
i			

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

Ref. No: 60147 Printed: 2014.10.09 @ 16:45:17 Trilobite Testing, Inc



Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1

Job Ticket: 60147

DST#:6

ATTN: Ryan Seib

Test Start: 2014.10.04 @ 13:58:00

#### **GENERAL INFORMATION:**

Formation: LKC "H-L"

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 15:53:30 Tester: Donovan Baumann

Time Test Ended: 19:42:30 Unit No: 54

Interval: 4136.00 ft (KB) To 4295.00 ft (KB) (TVD) Reference Elevations: 2956.00 ft (KB)

Total Depth: 4295.00 ft (KB) (TVD) 2951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8368 Inside

Press@RunDepth: psig @ 4137.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2014.10.04 End Date: 2014.10.04 Last Calib.: 2014.10.04

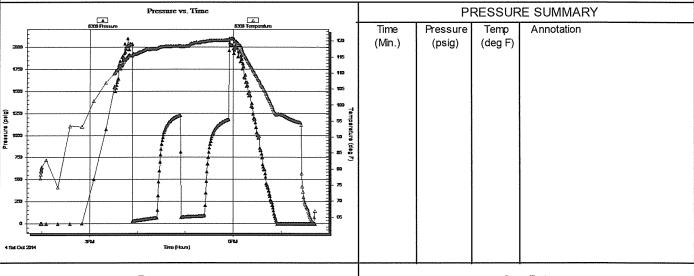
Start Time: 13:58:05 End Time: 19:42:29 Time On Btm: Time Off Btm:

TEST COMMENT: 30 - IF - Weak surface blow built to 3" in 30 min.

30 - ISI - No return

30 - FF - Weak surface blow built to 1 1/2" in 30 min.

30 - FSI - No return



#### Recovery

Length (ft)	Description	Volume (bbl)
151.00	Mud - 100M	1.01

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 60147 Printed: 2014.10.09 @ 16:45:17



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1

Job Ticket: 60147

DST#: 6

2500,00 lb

Final 54000.00 lb

0.00 ft

ATTN: Ryan Seib

Test Start: 2014.10.04 @ 13:58:00

String Weight: Initial 52000.00 lb

**Tool Information** 

Drill Pipe: Length: 4013.84 ft Diameter: 3.80 inches Volume: 56.30 bbl Tool Weight: 0.00 inches Volume: Weight set on Packer: 25000.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 bbl Drill Collar: Length: 122.16 ft Diameter: 2.25 inches Volume: 0.60 bbl Weight to Pull Loose: 60000.00 lb Total Volume: 56.90 bbl Tool Chased

Drill Pipe Above KB: 27.00 ft Depth to Top Packer: 4136.00 ft

Depth to Bottom Packer: ft Interval between Packers: 159.00 ft 186.00 ft Tool Length:

Number of Packers: Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut in Tool	5.00			4114.00		
Hydraulic tool	5.00			4119.00		
Jars	5.00			4124.00		
Safety Joint	3.00			4127.00		
Packer	4.00			4131.00	27.00	Bottom Of Top Packer
Packer	5.00			4136.00		
Stubb	1.00			4137.00		
Recorder	0.00	8368	Inside	4137.00		
Recorder	0.00	6753	Outside	4137.00		
Perforations	26.00			4163.00		
Change Over Sub	1.00			4164.00		
Drill Pipe	126.00			4290.00		
Change Over Sub	1.00			4291.00		
Bulinose	4.00			4295.00	159.00	Bottom Packers & Anchor

**Total Tool Length:** 186.00

Trilobite Testing, Inc Ref. No: 60147 Printed: 2014.10.09 @ 16:45:17



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St New ton KS 67114 Audrey Schwarz #1 Job Ticket: 60147

DST#: 6

ATTN: Ryan Seib

Test Start: 2014.10.04 @ 13:58:00

**Mud and Cushion Information** 

Mud Type: Gel Chem Mud Weight:

Cushion Type: Cushion Length: Oil API:

deg API

Viscosity:

9.00 lb/gal 54.00 sec/qt

Cushion Volume:

Water Salinity:

ppm

Water Loss: Resistivity:

71.90 in<sup>3</sup> 0.00 ohm.m Gas Cushion Type: Gas Cushion Pressure:

psig

1.005 bbl

ft

bbl

2000.00 ppm Salinity: 1.00 inches Filter Cake:

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
151.00	Mud - 100M	1.005

151.00 ft Total Length:

Total Volume:

Serial #:

Num Fluid Samples: 0 Laboratory Name:

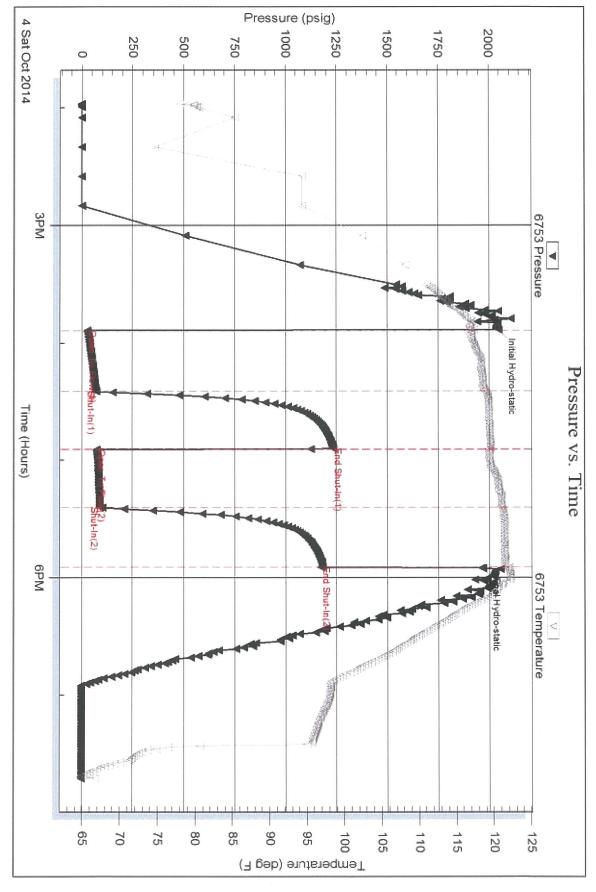
Num Gas Bombs: Laboratory Location:

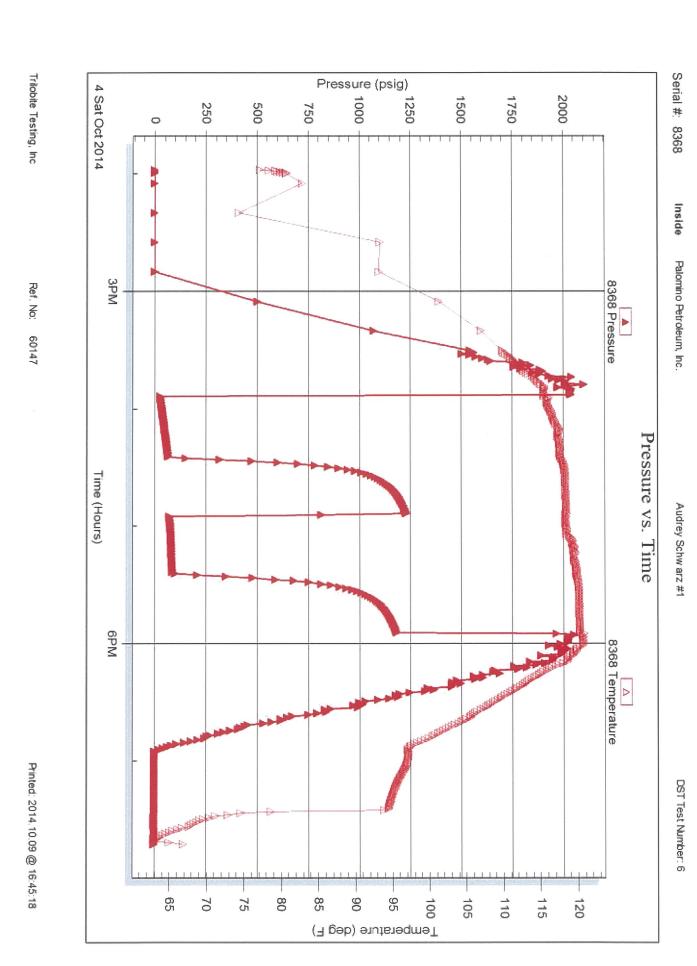
Recovery Comments:

Trilobite Testing, Inc Ref. No: 60147 Printed: 2014.10.09 @ 16:45:18

Printed: 2014.10.09 @ 16:45:18

Serial #: 6753





## RILOBITE STING INC. 1515 Commerce Parkway

#### **Test Ticket**

1515 Commerce Parkway • Hays, Kansas 67601

NO. 58326

	.1		_	0 ==	1/1
Well Name & No. Audrey Schwar Z	#/	Test No		Date 9-30 -	14
Company Palomino Patroban I	nc.	Elevation $29$	50e	KB 4951	GL
0.41\ 0		67114			
Co. Rep/Geo. Lign Seib		Rig WW ギ			
Location: Sec. 4 Twp. 95	_Rge. <u>30 W</u>	co. <u>Sherid</u> k	<u> </u>	State	<u> </u>
Interval Tested 3546 - 3629	Zone Tested	stoller,			adamanta y del 10 hacero a como associa del
Anchor Length 83 '		3415.28	Mı	Jd Wt. <u>8, 8</u>	
Top Packer Depth 354/		四路性 16	12,16 vi	s <u>54</u>	
Bottom Packer Depth 3546	Wt. Pipe Run	0	W	L 6,2	
Total Depth 3629	Chlorides 15	ppm	System LC	M L	erent for facility in the contract was a contract with a contract of the contract with a contract was a contract with a contract with a contract with a contract was a contract with a contract with a contract with a contract was a contract with a contract
Blow Description IF-Surface blow	u built to	a weak s	urfaces	the 61 th	ere
ISI-No hetern					
FF-No Surface bl	ow				
FSI- No Return		and the second s			
RecS Feet of CSM		%gas few.	Spotsoil	%water	100%mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total 5' BHT 1140 F	Gravity	API RW@		_	ppm
(A) Initial Hydrostatic 1715	Test1150			ation 1:20pm	1
(B) First Initial Flow				4:05 pm	
(C) First Final Flow 26	Safety Joint			6:18 pm	
(D) Initial Shut-In 924	Circ Sub	/C	I-Pulled _	8:18pm	
(E) Second Initial Flow 27	☐ Hourly Standby			156 pm	
(F) Second Final Flow $2 \times 2$	Mileage 82	R/T-127.10	Odminem		
(G) Final Shut-In 874	☐ Sampler		According to the second		
(H) Final Hydrostatic 17/8				d Shale Packer_	
	Shale Packer_	250		d Packer	
Initial Open	☐ Extra Packer _		☐ Extra	Copies	
Initial Shut-In	☐ Extra Recorder		Sub Total	1852.10	
Final Flow 30	☐ Day Standby _		Total	1852.10	)
Final Shut-In _30	☐ Accessibility _		MP/DST	Disc't	
	Sub Total18	352.10	1 11.	_	
Approved By	C	Our Representative 🛮	regal Jak	tino	

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.

### RILOBITE ESTING INC. 1515 Commerce Parkway • Hays, Kansas 67601

#### **Test Ticket**

58329 NO.

							, 1
Well Name & No. Andrey Schubez	. #/	Test No	2_	Date _	10-1	- 14	
company Palamina Petroleum,	Inc.	Elevation 29:	56_	KB_	2951	<u> </u>	_GL
Address 4/924 SE 84th St. (	lewton hs	67114				na an an de de la	
Co Ben/Gen Ruan Seih		Rig WW 7	410				man distribution de la compansión de la co
Location: Sec Twp9S	_ Rge <u>30 W</u> _	_co. Shenic	dan		State	<u>Ks</u>	
Interval Tested 3/ploto -3771	Zone Tested	Tarkio				igi yadi i ini kalenda kwa 100 P P P P P	
Anchor Length 1051	Drill Pipe Run	3539,92			. <u>8.8</u>		
Top Packer Depth 3/6/d	Drill Collars Rur	122,16		Vis _ Č	_		
Bottom Packer Depth 3666		<del></del>		WL			
Total Depth 377/							
Blow Description IF-Surface Dow	built to 1	sottom of t	ucked	- in	Inia	<b>4</b>	
IST- No Return							
FF-Surface blow	built to bo	ottom of bu	icket	- in	Imin		
FST-No Return	and the second s				***************************************		
Rec 262 Feet of WM		%gas	%oil		%water		
Rec 315 Feet of MW		%gas	%oil		%water		
Rec 1260 Feet of <u>MW</u>		%gas	%oil	95	%water	5	%mud
Rec Feet of		%gas	%oil		%water	······································	%mud
RecFeet of		%gas					%mud
Rec Total 1837 BHT 126°F					_		ppm
(A) Initial Hydrostatic 1801	7 Test 1150			_	8:00		
(B) First Initial Flow 33/	Jars250			_	27a		
(C) First Final Flow <u>638</u>	Safety Joint	75			59°Q~	7	
(D) Initial Shut-In 1143	Circ Sub 1	<u></u>		ed <u>III.</u> 115			
(E) Second Initial Flow 675	☐ Hourly Standby					****	
(F) Second Final Flow 873	Mileage 82	R/T 127.10	Comm	ients	······································		
(G) Final Shut-In 1141							
(H) Final Hydrostatic 1752			☐ Ri	uined Sha	ale Packer		
10		250			ker		
Initial Open 10	☐ Extra Packer _				}s		
Initial Shut-In 30	☐ Extra Recorder			otal 0			
Final Flow 10	☐ Day Standby		Total_	185	2.10		
Final Shut-In 30	☐ Accessibility		MP/D	ST Disc	't		
	Sub Total18	352.10	1 11	- 1			
Approved By		our Banracantative	ens l	Julie P	<b></b>		

## RILOBITE STING INC. 1515 Commerce Parkway

#### **Test Ticket**

NO. 58330

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No.	Audren Sch	hwarz:	#1		_ Test No	3	Date 10-2	1-14
Company Palom	ing Petroli	oum. Ir	nc.					
Address <u>4924</u>	SE 84H	rst;	Newton_	145	67114			
Co. Rep / Geo. Ry					Rig WV	U#10		
Location: Sec.		95	_Rge <u>30\</u>	<u>~_</u>	co. Sher	idan_	State	KS
Interval Tested 398	30 -4020		Zone Tester	J To	ronto			
Anchor Length 46			Drill Pipe R	un <u>3</u> 8	854,87		Mud Wt. 9,3	
Top Packer Depth 3			Drill Collars	Run 1	22.16		Vis <u>55</u>	
Bottom Packer Depth_				ın	0		WL 6.4	
Total Depth 4026	2		Chlorides _	1900	)р	pm System	LCM /#	
Blow Description	F-Sur	ace blow	+ Hinde	0 1/	2"			
Ţ	SI - No ke	Juca						
	-F-Surfo	ice blew	built-to	5 MBC	of plom			
	SI-No he							Militaria de marcales mantes que en conserva de la
Rec 94/	Feet of Mud				%gas	%oil	%water	100 %mu
Rec	Feet of				%gas	%oil	%water	%mu
Rec	Feet of				%gas	%oil	%water	%mu
Rec	Feet of				%gas	%oil	%water	%mu
Rec	Feet of			naanii nya m <del>ak maankan</del> o nahayoila naannoo).	%gas	%oil_	%water	%mu
Rec Total 94	BHT	r 121°F	Gravity :		I RW	_@°	F Chlorides	ррі
(A) Initial Hydrostatic_,			✓ Test	50			_ocation <u>8:75</u> a	m
(B) First Initial Flow	21						ted 8:33am	A)************************************
(C) First Final Flow	35		Safety Join	1		normana.	n 10:07am	
(D) Initial Shut-In 12:	26		Circ Sub	1/C		T-Pulle	ed 12:07pm	
(E) Second Initial Flow	43		☐ Hourly Star				1:52 pm	
(F) Second Final Flow	53		Mileage _	32 K	$/T^{127}$	.10 Comn	nents	
(G) Final Shut-In 12	05		☐ Sampler					terment from the soft for military materials are not a source and the soft for the
(H) Final Hydrostatic _	1988		☐ Straddle			— O Ri	uined Shale Packer	
			Shale Pack	er25	0		uined Packer	
Initial Open 30			☐ Extra Packe				ktra Copies	
Initial Shut-In 30	·····		☐ Extra Reco				otal 0	en e
Final Flow			☐ Day Standb				1052 1	_0
Final Shut-In 30			☐ Accessibilit				ST Disc't	
			Sub Total1	952.1	LO	-0.0.		
						1116		

Approved By Our Representative Manual State 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.

Initial Shut-In 30

Final Flow \_\_\_\_\_\_\_

Final Shut-In 3

**Test Ticket** 

☐ Extra Copies \_\_\_\_\_

1952.10

MP/DST Disc't

Sub Total 0

Total

1515 Commerce Parkway		NO.	58331	
Well Name & No. Audrey Schwarz	Test No.	4	Date 10-2-14	
company Palomino Petroleum	Elevation 6	95 W	кв_ <i>оч75</i> /	_GL
Address 4924 SE 84th St. N	ewton KS 67114	٠)		indonest sendi - Annilla Perda - Per
Co. Rep / Geo. Ryan Seib	Rig WW	#10	1/6	en e
Location: Sec Twp9S	Rge. 30W co. Sheri	<u> </u>	State KS	
Interval Tested 4034 - 4065	Zone Tested Lansing - 'C	- \ -		
Anchor Length 31'			Mud Wt. <u>9, 3</u>	illining alanga promotelist or your
Top Packer Depth 4019	100 1/2		Vis <u>55</u>	
Bottom Packer Depth 4634	Wt. Pipe Run		WL 9.60	
Total Depth 4065	Chlorides <u>2000</u> ppn	n System	LCM /#	
Blow Description IF-Surface blo	in built to 1/2"	A 100 mm		
ISI - No heturn				
FF- no Surface do	W			-
FSI - No Regum				
Rec_5' Feet of Mud	%gas	%oil	%water 100	%mud
RecFeet of	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
RecFeet of	%gas	%oil	%waler	%mud
Rec Total 5 BHT 1190F	Gravity API RW(	@°	F Chlorides	ppm
(A) Initial Hydrostatic /969			ocation 10:00 pm	
(B) First Initial Flow	✓ Jars250	T-Star	led 10:20 pm	-
(C) First Final Flow	Safety Joint 75	T-Ope	11:46pm	
(D) Initial Shut-In <u>805</u>	Z Circ Sub 1)/C		ed 1:4leam	
(E) Second Initial Flow <u>20</u>	☐ Hourly Standby	T-Out	3:35 am	
(F) Second Final Flow 22	Mileage 82 R/T 127.1		nents	
(G) Final Shut-In 905	☐ Sampler	-	illandioniumbile identificate e en en en est (1500 totale) e e e est est en e En en	
(H) Final Hydrostatic 1973	☐ Straddle		uinad Chala Pasker	PT-73H4WARAGASA
	Shale Packer 250		uined Shale Packer	
Initial Open 30	☐ Extra Packer		uined Packer	ethelledonesis in more musica casa

☐ Extra Recorder

☐ Day Standby \_\_\_\_\_

□ Accessibility \_\_\_\_

Sub Total 1952.10



## RILOBITE ESTING INC.

#### **Test Ticket**

NO. 60146

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Audrey Schwarz	z #1	Test No5		Date 10-3-14
Company Palomino Petropeur	ή	Elevation 295	6	_кв <u>2951</u> gl
Address 11924 SE \$4# St. N	ewton, KS,	67114		
Co. Rep/Geo. Ryan Seib	, ,	RigWW3	410	
	Rge. 30w	co. Sherido		State
Interval Tested 40 62' - 4110'	Zone Tested <u>'Car</u>	ising 'Diff	E !!	
Anchor Length 481	Drill Pipe Run	39 14.89		Mud Wt. 9.2
Top Packer Depth 4057		122.16		Vis46
Bottom Packer Depth 4062	Wt. Pipe Run	<del></del>	midnels with the spirit	WL John Lancing
Total Depth 4/10	Chlorides	200 ppm Sys	stem	LCM #/
Blow Description IF- Strona Surf	ace blow bu	it to Bob ir	0j r	min.
IST-No refurn				
FF-Surface blow bu	ilt to BoB in	11 min.		
FSI-No retarn				
Rec 5 Feet of Watery Mud		%gas	%oil	40 %water 60 %mud
Rec 252 Feet of Watery mud		%gas	%oil	35 %water 65 %mud
Rec $\frac{251}{}$ Feet of $MCW$		%gas	%oil	40 %water 10 %mud
Rec 62 Feet of Midd		%gas	%oil	%water i 00%mud
RecFeet of	XXXII debilandi dade alphilibumonemus umuun oo	%gas	%oil	%water %mud
			5°F	Chlorides 44,000 ppm
(A) Initial Hydrostatic 2004, 61	☑ Test		T-On Lo	ocation <u>II, O5 a m</u>
	☑ Jars 250			ed
(C) First Final Flow 290, 90	Safety Joint 75			2:12 pm
(D) Initial Shut-In 1265, 82	Circ Sub	<u>C</u>		d 4:12 Pm
(E) Second Initial Flow <u>252, 98</u>	☐ Hourly Standby			6:10 p.m
(F) Second Final Flow 312,80	Mileage	R/T 127.10	Comme	ents
(G) Final Shut-In 1284. 77	☐ Sampler			Brown and Ordinal Control Advanciam Marchaeland & Add Milliagh Embanded Consenders according to the Control Advancia population of the Control Advances and Control Advan
(H) Final Hydrostatic 1914, 40	☐ Straddle		O Bui	ned Shale Packer
_	☑ Shale Packer 25	- A		ned Packer
Initial Open 30	☐ Extra Packer			ra Copies
Initial Shut-In 30	☐ Extra Recorder		Sub To	
Final Flow 30	☐ Day Standby		Total	1050 10
Final Shut-In 30	☐ Accessibility			ST Disc't
		2.10	_	
Approved By	Our	Representative 90	Maria	Manyana .

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



#### **Test Ticket**

60147 NO.

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Audrey Schu	varz #1	Test No.	> Dat	le 10-4	Strand
Company Glomino Petroleu		Elevation 29		(100	GL
Address 4924 SE 841 5t.	Newton, K.S	. 67114			
Co. Rep/Geo. Ryan Seit	•	Rig WW#	10		
Location: Sec Twp95	Rge <u>}</u> りん	_co. <u>Sherid</u>	<u> </u>	State <u>K</u>	<u> </u>
Interval Tested <u>4/36'-4295'</u>	Zone Tested <u>Lo</u>	ansing "H, I	[J, K, 4)	Lauren	
Anchor Length 159	Drill Pipe Run	4013,84		wi. <u>1, 3</u>	·····
Top Packer Depth 4131	Drill Collars Run	122.16	Vis _	54	
Bottom Packer Depth 4136	Wt. Pipe Run	9	WL_	72	
Total Depth <u>4295'</u>	Chlorides	ppm Sy	stem LCM	#1	
Blow Description IF - Weak Surface	blow puilt to	3/n, in 30	m		***************************************
ISI-Nocetain				арттандарттангат такаттанды үшкерде (ундардында дей) (ле состоя жанашарды	
FF- Weak Surface	blow built to 1	1/2 m 30	min.		
FSI-Noreturn					
Rec 5 Feet of MUC		%gas	%oil	%water /	<i>∪O</i> %mud
RecFeet of	ett print i Print Venetin kon kon kin kin kon kon kon kon kon kon kon kon kon ko	%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec TotalBHT		API RW@	°F Chlo	ondes	ppm
(A) Initial Hydrostatic 2049,19	☑ Test		T-On Locatio	n <u>11 2</u>	-8 am
(B) First Initial Flow 27 91	250 Jars		T-Started	1.5	Spail
(C) First Final Flow 72:68	Safety Joint 7!	5	T-Open	3/5	4 Pm
(D) Initial Shut-In 1233,25	Circ Sub	/	T-Pulled		4pn_
(E) Second Initial Flow 72.61	☐ Hourly Standby _		T-Out		
(F) Second Final Flow 88.59	Ø Mileage S €	2R/T 127.10	Comments_		
(G) Final Shut-In 1/75, 29	☐ Sampler			eraka kalaba da da saka da kalaba da manayan na pangan pangan sa saka da saka da saka da da saka da da saka da	
(H) Final Hydrostatic 1,969,77	☐ Straddle		D Duinod S	Shale Packer	
	Shale Packer 2			acker	
Initial Open	☐ Extra Packer			pies	
Initial Shut-In 30	☐ Extra Recorder _		Sub Total		de de la companya de
Final Flow 30	☐ Day Standby			52.10	
Final Shut-In 30	☐ Accessibility		MP/DST Di	sc't	
	Sub Total 1952		/	·	
Approved By	Ou	r Representative	i PHOLESSA	ge The second second	