

Confidentiality Requested:

Yes No

## Kansas Corporation Commission Oil & Gas Conservation Division

1244649

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 Name	:		. Well #:		
Sec Twp	S. R	East West	County:					
open and closed, flowing	ng and shut-in pressu	ormations penetrated. I ires, whether shut-in pre ith final chart(s). Attach	essure reached s	tatic level, hydrosta	itic pressures, bot			
		tain Geophysical Data a r newer AND an image			ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log	
Drill Stem Tests Taken (Attach Additional S	heets)	☐ Yes ☐ No		-	on (Top), Depth ar		Sample	
Samples Sent to Geold	ogical Survey	Yes No	Ni	ame		Тор	Datum	
Cores Taken Electric Log Run		Yes No						
List All E. Logs Run:								
		CASING Report all strings set-	RECORD	New Used	ion oto			
Down and of Others	Size Hole	Size Casing	Weight	Setting	Type of	# Sacks	Type and Percent	
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives	
		ADDITIONAL	CEMENTING / S	QUEEZE RECORD				
Purpose:  Perforate Protect Casing Plug Back TD	Perforate Top Bottom Top Bottom				Type and Percent Additives			
Plug Off Zone								
	tal base fluid of the hydra	n this well? aulic fracturing treatment ex submitted to the chemical	_		No (If No, ski	ip questions 2 ai ip question 3) out Page Three		
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Per			cture, Shot, Cement		d Depth	
	epecity is		Ioratou	(2.0)	mount and tand of ma	ionar coody	Sopa.	
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No			
Date of First, Resumed F	Production, SWD or ENF	IR. Producing Meta	hod:  Pumping	Gas Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf V	Vater B	bls.	Gas-Oil Ratio	Gravity	
DISPOSITIO	N OF GAS:		METHOD OF COM			PRODUCTIO	ON INTERVAL:	
Vented Sold	Used on Lease	Open Hole			mmingled mit ACO-4)			

Form	ACO1 - Well Completion					
Operator	Palomino Petroleum, Inc.					
Well Name	Twella BG 1					
Doc ID	1244649					

## Tops

Name	Тор	Datum		
Anhy.	1973	(+612)		
Base Anhy.	2004	(+581)		
Topeka	3590	(-1005)		
Heebner	3855	(-1270)		
Lansing	3895	(-1310)		
Stark	4150	(-1565)		
Hushpuckney	4187	(-1602)		
BKC	4229	(-1644)		
Marmaton	4250	(-1665)		
Pawnee	4364	(-1779)		
Ft. Scott	4414	(-1829)		
Cherokee Sh.	4443	(-1858)		
Miss.	4525	(-1940)		
LTD	4632	(-2047)		



QUALITY

QUALITY OILWELL CEMENTING, INC. PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net

Date: 1/23/2015 Invoice # 1080

P.O.#:

Due Date: 2/22/2015 Division: Russell

## Invoice

Contact:

Palomino Petroleum Inc Address/Job Location: Palomino Petroleum Inc 4924 SE 84th Newton Ks 67114

Reference:

TWELLA BG 1

Description of Work:

SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No				
Common-Class A	150	\$ 2,612.50	Yes				
Pump Truck Mileage-Job to Nearest Camp	43	\$ 452.98	No				
Bulk Truck Matl-Material Service Charge	158	\$ 333.56	No				
Calcium Chloride	5	\$ 293.76	Yes				Į.
Bulk Truck Mileage-Job to Nearest Bulk Plant	43	\$ 265.07	No				
Premium Gel (Bentonite)	3	\$ 51.55	Yes				

Invoice Terms:		SubTotal:	\$	4,973.27
Net 30	Discount Available <u>ONLY</u> if Invoice is F within listed t	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:		
	SubTota	I for Taxable Items:	\$	2,514.14
	SubTotal for I	Non-Taxable Items:	\$	1,713.14
		Total:	\$	4,227.28
	7.15% Lane County Sales Tax	Tax:	\$	179.76
Thank You For Your Business!		Amount Due:	\$	4,407.04
THAIN TOUR OF THE BUSINESS	Anr	alied Payments:		

**Applied Payments:** 

Balance Due: \$ 4,407.04

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed.

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# QUALITY CILWELL CEME. TING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1080

Sec.	Twp. Rang	e	County	State		On Lo	ocation	Finish
Date 1-23-15 25	17 27	La	a nachtha	Kansas				8:30 PM
		Locati	on Pende	anis KS,	IE	65	4Ee	4 S INTO
Lease Twella B	<b>G</b> ∉ Well No. 7		Owner					
Contractor W-W DRLG		_	To Quality O	ilwell Cement by requested	ng, Inc.	rementing	equipmen	and furnish
Type Job Cemen T S	UAFACE		cementer an	d helper to as	sist own	er or cont	ractor to do	work as listed.
Hole Size 12 14	T.D. 31	7	Charge To	alon	LINO	Te	TROLE	im Ixc.
Csg. 85/8	Depth 216	?	Street					
Tbg. Size	Depth		City			State	· · · · · · · · · · · · · · · · · · ·	
Tool	Depth		The above wa	as done to satis	action ar	nd supervisi	on of owner	agent or contractor.
Cement Left in Csg. 15	Shoe Joint	<i>x. 6</i> :	Cement Amo	ount Ordered	15	<u> </u>	Com	<u> </u>
Meas Line	Displace /3	BBL_	1 1 32 1 1	3	90 CC	25	6 GeL	
EQUIPN	IENT		Common /	50_			**	
Pumptrk 8 No. Cementer Helper	GLEN	NG.	Poz. Mix					
Bulktrk   5 No. Driver Driver	Doug	Н.	Gel. 3	1.7				
No. Driver Bulktrk Driver			Calcium S		;			
JOB SERVICES	& REMARKS		Hulls		·			
Remarks:			Salt					
Rat Hole		<i>y</i> 1	Flowseal					
Mouse Hole			Kol-Seal	4				
Centralizers			Mud CLR 48	3			***************************************	
Baskets			CFL-117 or	CD110 CAF 3	8			
D/V or Port Collar			Sand	·····			·	
			Handling /	58				
Set@ 216			Mileage					
				FLOAT E	QUIPM	ENT		<b>.</b>
CEMENT W/ 1505	x 3 +2		Guide Shoe			<u> </u>		t .
			Centralizer					
Displace 13/BBL	of Shu	rin_	Baskets					
@ 250#L			AFU Inserts					
			Float Shoe					
CEMENT DiD	CIRCUI	ATE	Latch Down	***	****	· · · · · · · · · · · · · · · · · · ·		
TO SUFFE	ce	*		- W				
	۷ را در ۱	1	Pumptrk Ch	arge <i>Sur</i>	Fac	e		
response to the second	MILANY )	4	Mileage 4	3	*			
	10011	1					Tax	
	1111	<u> </u>			•		Discount	
Signature	Multo	5				То	tal Charge	



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net

Date: 2/2/2015 Invoice # 6323

P.O.#:

FEB U 5 2015 Due Date: 3/4/2015

Division: Russell

## Invoice

Contact:

Palomino Petroleum Inc Address/Job Location: Palomino Petroleum Inc 4924 SE 84th Newton Ks 67114

Reference:

TWELLA BG 1

Description of Work:

PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	ltem .	Quantity	Price	Taxable
Labor		\$ 963.85	Yes				
Common-Class A	162	\$ 2,821.50	Yes				
POZ Mix-Standard	108	\$ 718.20	Yes				
Bulk Truck Matl-Material Service Charge	280	\$ 591.11	Yes				
Pump Truck Mileage-Job to Nearest Camp	43	\$ 452.98	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	43	\$ 265.07	Yes				
Premium Gel (Bentonite)	10	\$ 171.84	Yes				
Flo Seal	67	\$ 141.44	Yes				
Invoice Terms:					SubTotal:	\$ 6,126.00	
Net 30	_	Discou	ınt Availab	ole <u>ONLY</u> if Invoice is Pai within listed ten		\$ (918.90)	
				SubTotal fo	r Taxable Items:	\$ 5,207.10	•

7.15% Lane County Sales Tax

Thank You For Your Business!

Total: \$ 5,207.10 Tax: \$ 372.31 Amount Due: \$ 5,579.41

**Applied Payments:** 

SubTotal for Non-Taxable Items: \$

Balance Due: \$ 5,579.41

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

# QUALITY JILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6323

Sec.	Twp.	Range		County	State	On Location	Finish
Date 2 - 1 - 15 25	17	27	La	1e	KS		TOOAM
· v .	^		Locati	on Pendennie	SIEtoScortR	d US to 200Rd into	IE to cuttle beaut
Lease Twella Book	BGI	Well No.		Owner		into :	3 Eds
Contractor WW	8			To Quality Oil	lwell Cementing, Inc.	cementing equipment	t and furnish
Type Job Dlug				cementer and	d helper to assist own	ner or contractor to do	work as listed.
Hole Size 7 1/8	T.D. 4	6321		Charge To	Palamino		
Csg.	Depth			Street	-		
Tbg. Size D. P. 4/2	Depth	2000	: .	City		State	
Tool	Depth					nd supervision of owner	· · · / · /
Cement Left in Csg.	Shoe J	oint		Cement Amo	ount Ordered 2 7	SX 69/40 49	698/ 14#F
Meas Line		e water					
EQUIP	/ENT			Common /	62		
Pumptrk / 7 No. Cementer Helper		Lonnie		Poz. Mix	08		
Bulktrk 9 No. Driver Driver		Dara		Gel.			
Bulktrk Pu No. Driver Driver		BiTH	′.	Calcium			<u> </u>
JOB SERVICES	& REMA	RKS —		Hulls			
Remarks:		21.		Salt			
Rat Hole				Flowseal	74		
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or 0	CD110 CAF 38		-
D/V or Port Collar				Sand			
1º 2000' 50 5	5 <u>/</u>			Handling 2	80		
	¥ .			Mileage			
2nd 1200' 80	≤X				FLOAT EQUIPM	ENT	
				Guide Shoe			
3rd 600' 50 2	X			Centralizer			
				Baskets			
4th 245 40 s	1			AFU Inserts			
				Float Shoe			
9h 60 205x	ć			Latch Down			
Rat 30st		W. W	· · · · · · · · · · · · · · · · · · ·		<del></del>		
		4		Pumptrk Cha	arge plug	-	
	/			Mileage 4	3 / J	· ·	
$ // \Lambda / \sigma$	111					Tax	
VIII A Tank		)	Constitution of the consti	_		Discount	
Signature / WWW				a a		Total Charge	ş -



Prepared For: Palomino Petroleum, Inc

4924 SE 84th ST Newton KS, 67114-8827

ATTN: Ryan Seib

### Twella BG #1

## 25-17s-27w Lane, KS

Start Date: 2015.01.28 @ 03:00:00 End Date: 2015.01.28 @ 08:44:15

Job Ticket #: 58525

DST#: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum, Inc

25-17s-27w Lane,KS

Twella BG #1

4924 SE 84th ST New ton KS, 67114-8827

Job Ticket: 58525

ATTN: Ryan Seib

**DST#:1** 

Test Start: 2015.01.28 @ 03:00:00

#### GENERAL INFORMATION:

Formation:

KC 'H - I'

Deviated:

No

Whipstock:

ft (KB)

Time Tool Opened: 05:04:30

Time Test Ended: 08:44:15

Interval:

4050.00 ft (KB) To 4115.00 ft (KB) (TVD)

Total Depth:

4115.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jace McKinney

Unit No:

Reference Elevations:

2580.00 ft (KB)

2574.00 ft (CF)

KB to GR/CF:

6.00 ft

Serial #: 8675

Press@RunDepth:

45.02 psig @

4070.00 ft (KB)

2015.01.28

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2015.01.28 03:00:15

Inside

End Date: End Time:

08:44:15

Time On Btm:

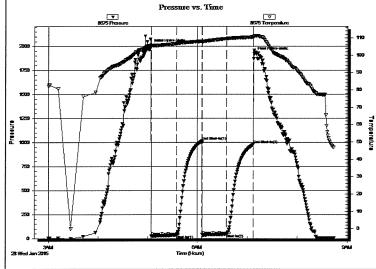
2015.01.28 2015.01.28 @ 05:03:45

Time Off Btm:

2015.01.28 @ 07:08:15

TEST COMMENT: Built to 1 1/2" blow

Bled off for 3 min, No return blow Built to 1/4", died in 30 min. Bled off for 3 min, No return blow



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1999.49	105.60	Initial Hydro-static
1	24.11	104.67	Open To Flow (1)
32	35.21	106.62	Shut-ln(1)
62	1014.16	107.91	End Shut-In(1)
62	37.31	107.50	Open To Flow (2)
92	45.02	109.47	Shut-In(2)
124	978.96	110.37	End Shut-In(2)
125	1919.01	110.99	Final Hydro-static
			•

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud	0.15

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

Ref. No: 58525 Printed: 2015.02.02 @ 17:01:45 Trilobite Testing, Inc



Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST

New ton KS, 67114-8827

Twella BG #1 Job Ticket: 58525

**DST#:1** 

ATTN: Ryan Seib

Test Start: 2015.01.28 @ 03:00:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 05:04:30

Time Test Ended: 08:44:15

Formation:

KC 'H - I'

Deviated:

Interval:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Jace McKinney

Unit No:

75

2580.00 ft (KB)

Reference Elevations:

2574.00 ft (CF)

KB to GR/CF:

6.00 ft

Total Depth: Hole Diameter: 4050.00 ft (KB) To 4115.00 ft (KB) (TVD)

4115.00 ft (KB) (TVD)

Outside

7.88 inches Hole Condition: Poor

Serial #: 8650

Press@RunDepth:

psig @

4070.00 ft (KB)

2015.01.28

Capacity: Last Calib.: 8000.00 psig

2015.01.28

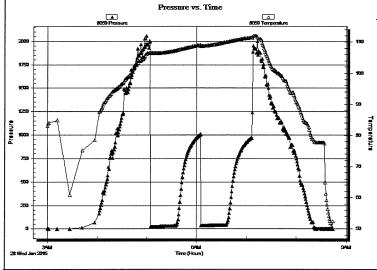
Start Date: Start Time: 2015.01.28 03:00:15 End Date: End Time:

08:44:00

Time On Btm:

Time Off Btm:

TEST COMMENT: Built to 1 1/2" blow Bled off for 3 min, No return blow Built to 1/4", died in 30 min. Bled off for 3 min, No return blow



PI	RESSU	RE SI	JMI	MARY
	-			

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud	0.15
-		<del>  </del>

## Gas Rates

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

Trilobite Testing, Inc. Ref. No: 58525 Printed: 2015.02.02 @ 17:01:45



**TOOL DIAGRAM** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1 Job Ticket: 58525

Tool Chased

DST#:1

ATTN: Ryan Seib

Test Start: 2015.01.28 @ 03:00:00

Tool Information

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

Length: 3916.26 ft Diameter: Length:

0.00 ft Diameter: 120.15 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: Total Volume:

54.93 bbl 0.00 bbl 0.59 bbl 55.52 bbl

Tool Weight: 2500.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 90000.00 lb

0.00 ft

String Weight: Initial 70000.00 lb 70000.00 lb Final

Drill Pipe Above KB: Depth to Top Packer:

4050.00 ft Depth to Bottom Packer: ft 65.00 ft

Interval between Packers: Tool Length:

92.50 ft

13.91 ft

Diameter: 6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4023.50		
Shut In Tool	5.00			4028.50		
Hydraulic tool	5.00			4033.50		
Jars	5.00			4038.50		
Safety Joint	2.50			4041.00		
Packer	5.00			4046.00	27.50	Bottom Of Top Packer
Packer	4.00			4050.00		
Stubb	1.00			4051.00		
Perforations	18.00			4069.00		
Change Over Sub	1.00			4070.00		
Recorder	0.00	8675	Inside	4070.00		
Recorder	0.00	8650	Outside	4070.00		
Drill Pipe	31.00			4101.00		
Change Over Sub	1.00			4102.00		
Perforations	10.00			4112.00		
Bullnose	3.00			4115.00	65.00	Bottom Packers & Anchor

**Total Tool Length:** 92.50

Printed: 2015.02.02 @ 17:01:46 Trilobite Testing, Inc Ref. No: 58525



**FLUID SUMMARY** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1 Job Ticket: 58525

ft

bbl

psig

**DST#:1** 

ATTN: Ryan Seib

Test Start: 2015.01.28 @ 03:00:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity: Water Loss:

61.00 sec/qt 5.98 in<sup>3</sup>

Resistivity: Salinity: Filter Cake:

ohm.m 2400.00 ppm 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

Printed: 2015.02.02 @ 17:01:46

ppm

**Recovery Information** 

Recovery Table

Description Volume Length ft bbl 30.00 100% Mud 0.148

Total Length:

30.00 ft

Ref. No: 58525

Total Volume:

0.148 bbl

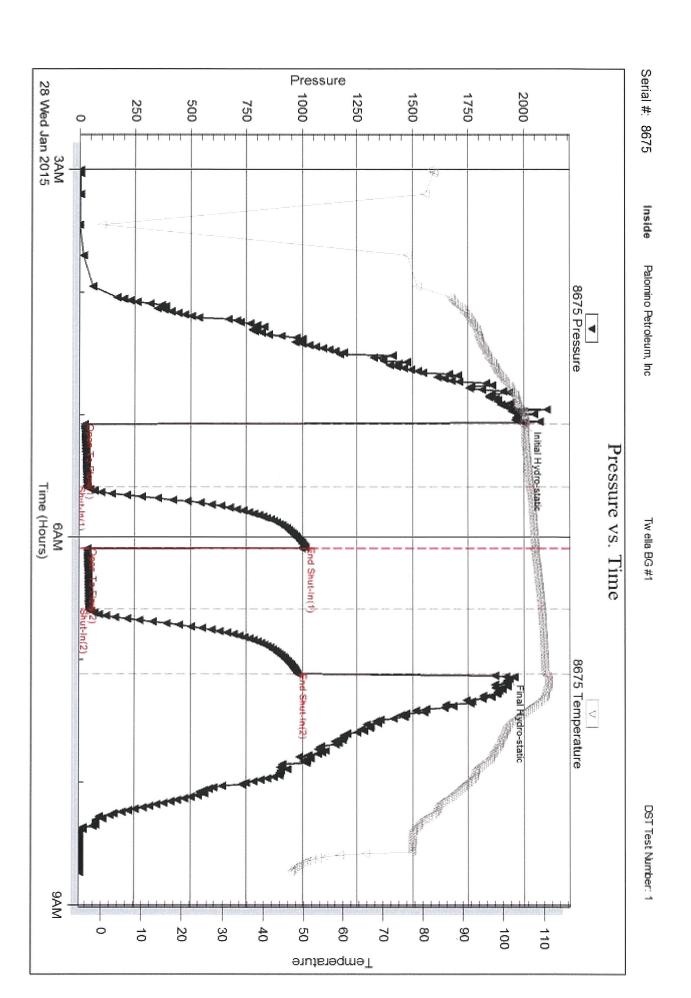
Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location:

Laboratory Name:

Recovery Comments:

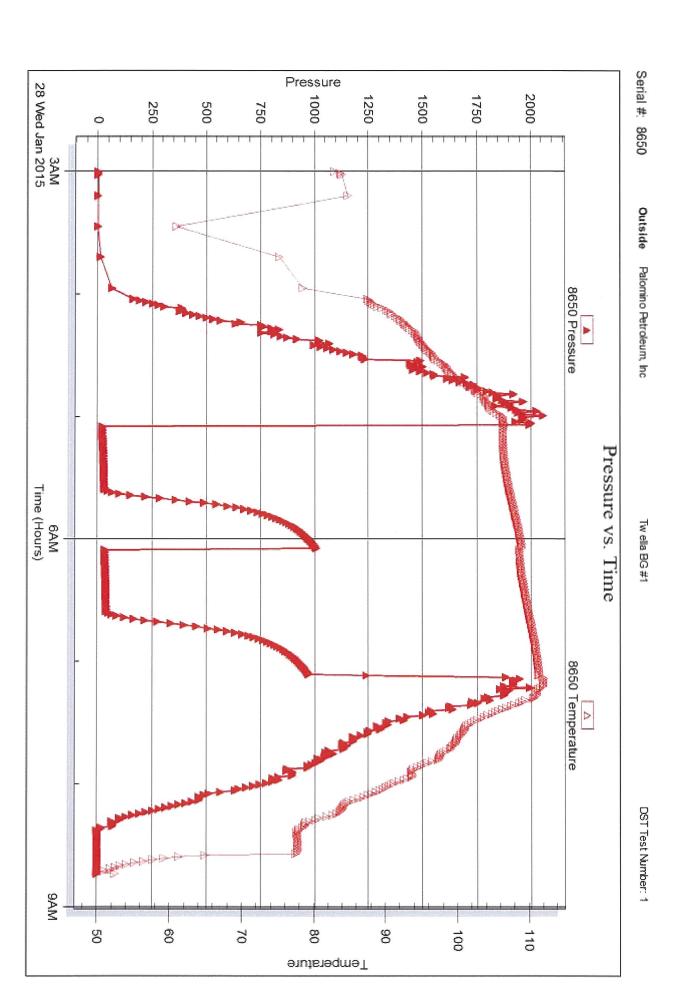
Serial#:



Trilobite Testing, Inc.

Ref. No:

58525



Triobite Testing, Inc.

Ref. No: 58525



Prepared For: Palomino Petroleum, Inc

4924 SE 84th ST Newton KS, 67114-8827

ATTN: Ryan Seib

## Twella BG #1

## 25-17s-27w Lane,KS

Start Date: 2015.01.28 @ 18:35:00 End Date: 2015.01.29 @ 00:10:00 Job Ticket #: 58526 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST

New ton KS, 67114-8827

Twella BG #1 Job Ticket: 58526

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.01.28 @ 18:35:00

#### **GENERAL INFORMATION:**

Formation:

KC 'J-K'

Deviated:

No Whipstock: ft (KB)

Time Tool Opened: 20:24:45

Time Test Ended: 00:10:00

Interval:

Start Date:

Start Time:

4106.00 ft (KB) To 4195.00 ft (KB) (TVD)

Total Depth:

4195.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Test Type:

Conventional Bottom Hole (Reset)

Tester:

Jace McKinney

Unit No:

75

PRESSURE SUMMARY

Reference Elevations:

2580.00 ft (KB)

2574.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8675

Inside

Press@RunDepth:

36.86 psig @ 2015.01.28

18:35:15

4119.00 ft (KB) End Date: End Time:

2015.01.29 00:10:00 Capacity:

8000.00 psig

Last Calib .: Time On Btm:

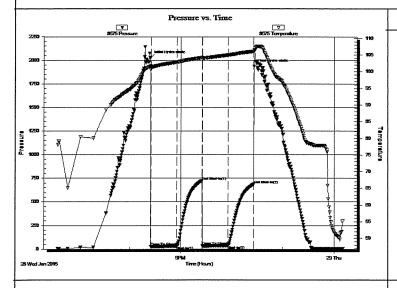
2015.01.29 2015.01.28 @ 20:24:30

Time Off Btm:

2015.01.28 @ 22:26:15

TEST COMMENT: Built to 1" blow

No return blow No blow No return blow



#### Annotation Time Pressure Temp (Min.) (psig) (deg F) 0 2026.52

101.63 Initial Hydro-static 1 23.86 100.59 Open To Flow (1) 31 31.33 102.85 Shut-In(1) 722.50 104.20 End Shut-In(1) 61 Open To Flow (2) 32.02 61 103.95 36.86 91 104.96 Shut-In(2) 121 684.89 106.09 End Shut-In(2)

Final Hydro-static 122 1935.48 106.47

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud	0.15
,		
* Recovery from n	nultiple tests	1

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 58526



Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST

ATTN: Ryan Seib

New ton KS, 67114-8827

Twella BG #1

Job Ticket: 58526

DST#: 2

Test Start: 2015.01.28 @ 18:35:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 20:24:45

Time Test Ended: 00:10:00

Formation:

KC 'J-K'

Deviated:

Interval:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Jace McKinney

Unit No:

75

Reference Elevations:

2580.00 ft (KB)

2574.00 ft (CF)

KB to GR/CF:

6.00 ft

Total Depth:

4106.00 ft (KB) To 4195.00 ft (KB) (TVD)

4195.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Serial #: 8650 Press@RunDepth: Outside

psig @

4119.00 ft (KB)

2015.01.29 Last Calib .:

Capacity:

8000.00 psig

2015.01.28

End Date:

00:09:45

Time On Btm:

2015.01.29

Start Date: Start Time:

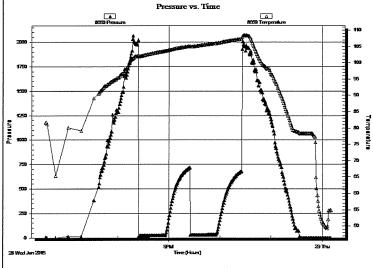
18:35:15

End Time:

Time Off Btm:

TEST COMMENT: Built to 1" blow

No return blow No blow No return blow



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

PRESSURE SUMMARY

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud	0.15
* Recovery from n	nultiple tests	

Gas	Rates	

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

Printed: 2015.02.02 @ 17:01:19 Trilobite Testing, Inc Ref. No: 58526



**TOOL DIAGRAM** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1 Job Ticket: 58526

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.01.28 @ 18:35:00

Tool Information

Drill Pipe: Length: 3979.29 ft Diameter: Heavy Wt. Pipe: Length: Drill Collar:

Length:

0.00 ft Diameter:

120.15 ft Diameter: 20.94 ft

3.80 inches Volume: 55.82 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.59 bbl 56.41 bbl Tool Weight:

2500.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 86000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 76000.00 lb

Final

76000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

4106.00 ft Depth to Bottom Packer: ft

Interval between Packers: Tool Length:

89.00 ft 116.50 ft

2

Diameter:

6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4079.50		
Shut In Tool	5.00			4084.50		
Hydraulic tool	5.00			4089.50		
Jars	5.00			4094.50		
Safety Joint	2.50			4097.00		
Packer	5.00			4102.00	27.50	Bottom Of Top Packer
Packer	4.00			4106.00		
Stubb	1.00			4107.00		
Perforations	11.00			4118.00		
Change Over Sub	1.00			4119.00		
Recorder	0.00	8675	Inside	4119.00		
Recorder	0.00	8650	Outside	4119.00		
Drill Pipe	62.00			4181.00		
Change Over Sub	1.00			4182.00		
Perforations	10.00			4192.00		
Bullnose	3.00			4195.00	89.00	Bottom Packers & Anchor
	440 =0					

**Total Tool Length:** 116.50

Printed: 2015.02.02 @ 17:01:20 Trilobite Testing, Inc Ref. No: 58526



**FLUID SUMMARY** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1

Job Ticket: 58526

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.01.28 @ 18:35:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal 67.00 sec/gt Cushion Length: Cushion Volume: Water Salinity:

ppm

Viscosity: Water Loss:

Filter Cake:

67.00 sec/qt 5.99 in<sup>3</sup>

1.00 inches

Gas Cushion Type: Gas Cushion Pressure:

psig

ft

bbl

Resistivity: ohm.m Salinity: 3200.00 ppm

**Recovery Information** 

Recovery Table

Length Description Volume bbl 30.00 100% Mud 0.148

Total Length:

30.00 ft

Total Volume:

0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

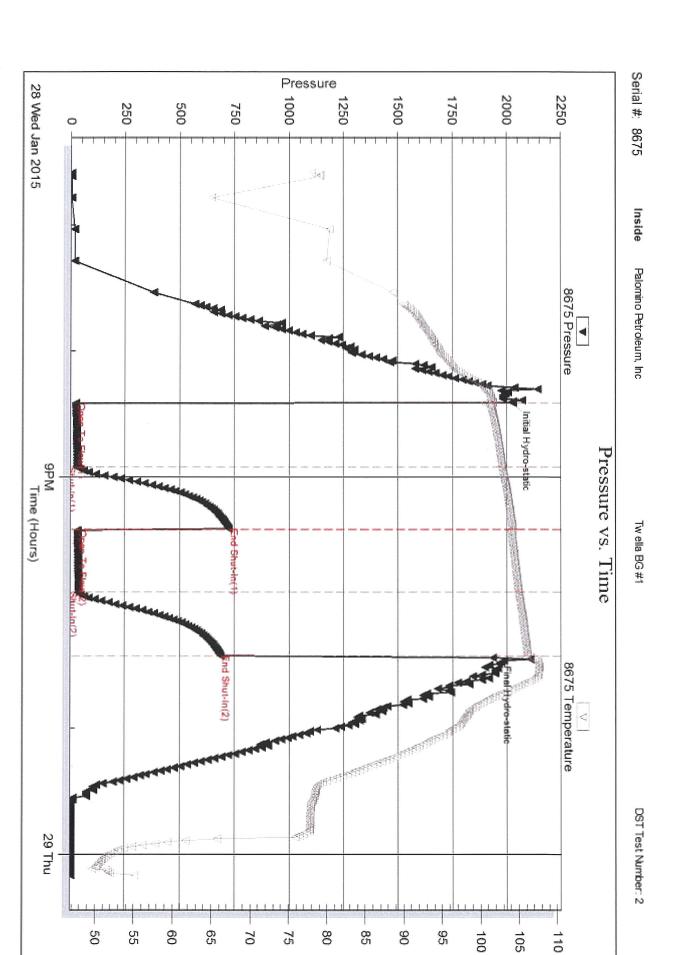
Serial #:

Laboratory Name:

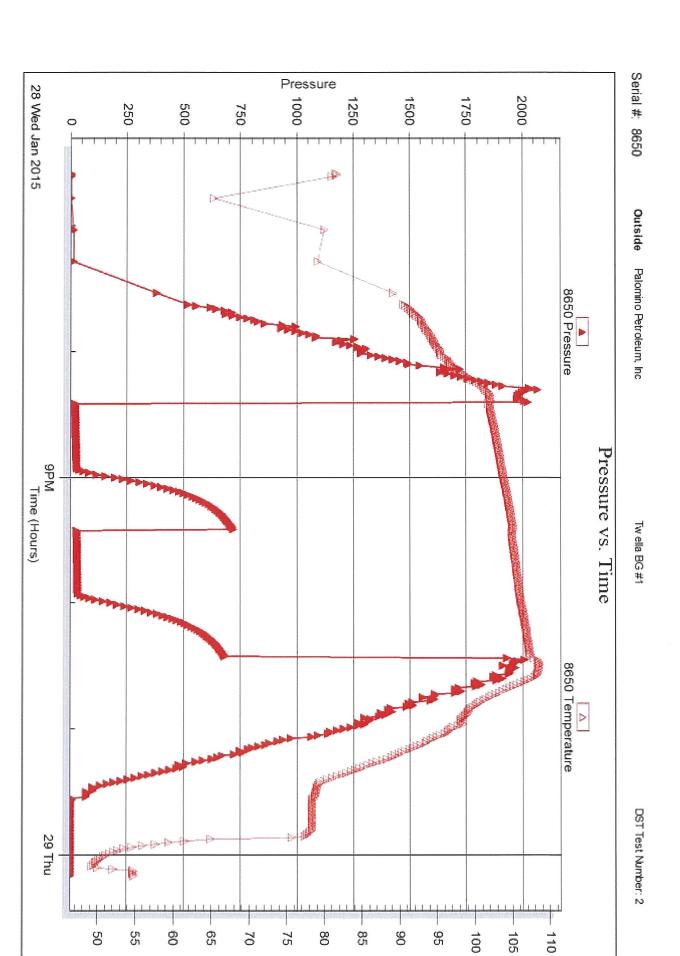
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 58526 Printed: 2015.02.02 @ 17:01:20



Temperature



Temperature



Prepared For: Palomino Petroleum, Inc

4924 SE 84th ST Newton KS, 67114-8827

ATTN: Ryan Seib

### Twella BG #1

## 25-17s-27w Lane,KS

Start Date: 2015.01.29 @ 08:50:00 End Date: 2015.01.29 @ 14:23:45 Job Ticket #: 58527 DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum. Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1

Job Ticket: 58527

DST#:3

ATTN: Ryan Seib

Test Start: 2015.01.29 @ 08:50:00

Jace McKinney

#### **GENERAL INFORMATION:**

Formation:

KC 'L - Pleasanton

Deviated:

No W

Whipstock:

ft (KB)

,,,,

Time Tool Opened: 10:25:45 Time Test Ended: 14:23:45

Interval:

4182.00 ft (KB) To 4250.00 ft (KB) (TVD)

Total Depth:

4250.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Reference Elevations:

Test Type:

Tester:

Unit No:

2580.00 ft (KB)

75

2574.00 ft (CF)

KB to GR/CF:

6.00 ft

Serial #: 8675

Press@RunDepth:

94.11 psig @

Inside

@ 4

4203.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2015.01.29 08:50:15 End Date: End Time: 2015.01.29 14:23:45

Last Calib.: Time On Btm: 2015.01.29

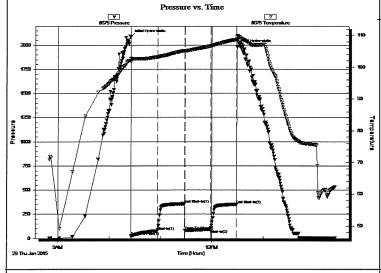
Conventional Bottom Hole (Reset)

Time Off Btm:

2015.01.29 @ 10:25:30 2015.01.29 @ 12:29:30

TEST COMMENT: Built to 8 1/4" blow

No return blow Built to 5 1/4" blow Weak surface return blow



#### PRESSURE SUMMARY Annotation Time Pressure Temp (Min.) (psig) (deg F) 0 2086.81 102.77 Initial Hydro-static 1 24.56 101.77 Open To Flow (1) 78.05 103.18 Shut-In(1) 31 358.91 105.21 End Shut-In(1) 63 82.51 Open To Flow (2) 64 105.09 94 94.11 106.63 Shut-In(2) 124 352.76 108.71 End Shut-In(2) 124 1980.89 109.46 Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 50%W 50%M w ith oil scum	0.30
60.00	w cm 10%W 90%M w ith oil scum	0.30
35.00	ocm 2%O 98%M	0.49
5.00	Clean Oil	0.07
* Recovery from n		

Gas Rates

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

Trilobite Testing, Inc Ref. No: 58527 Printed: 2015.02.02 @ 17:00:49



Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST

New ton KS, 67114-8827

Twella BG #1 Job Ticket: 58527

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.01.29 @ 08:50:00

Test Type: Conventional Bottom Hole (Reset)

Jace McKinney

#### **GENERAL INFORMATION:**

Formation:

KC 'L - Pleasanton

Deviated:

Whipstock:

ft (KB)

Time Tool Opened: 10:25:45 Time Test Ended: 14:23:45

Interval:

4182.00 ft (KB) To 4250.00 ft (KB) (TVD)

Total Depth:

4250.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Tester:

Unit No:

2580.00 ft (KB)

Reference Elevations:

2574.00 ft (CF)

KB to GR/CF:

6.00 ft

Serial #: 8650

Press@RunDepth:

Outside

psig @

4203.00 ft (KB)

2015.01.29 Last Calib .:

Capacity:

8000.00 psig

Start Date:

2015.01.29

End Date:

14:23:45

Time On Btm:

2015.01.29

Start Time:

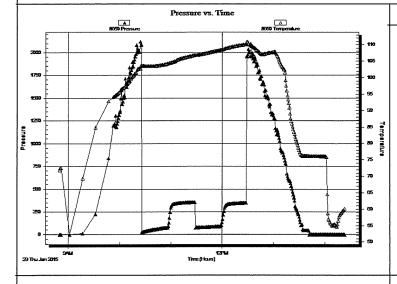
08:50:15

End Time:

Time Off Btm:

TEST COMMENT: Built to 8 1/4" blow

No return blow Built to 5 1/4" blow Weak surface return blow



## PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
(14111.)	(psig)	(acg i)	=

#### Recovery

Description	Volume (bbl)				
i0.00 w cm 50%W 50%M w ith oil scum					
60.00 w cm 10%W 90%M w ith oil scum					
35.00 ocm 2%O 98%M					
Clean Oil	0.07				
	w cm 50%W 50%M w ith oil scum w cm 10%W 90%M w ith oil scum ocm 2%O 98%M				

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Ref. No: 58527 Printed: 2015.02.02 @ 17:00:49 Trilobite Testing, Inc



**TOOL DIAGRAM** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1 Job Ticket: 58527

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.01.29 @ 08:50:00

Tool Information

Drill Collar:

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

4039.65 ft Diameter: 0.00 ft Diameter:

120.15 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

56.67 bbl 0.00 bbl

Tool Weight: Weight set on Packer: 30000.00 lb

2500.00 lb

0.59 bbl 57.26 bbl

Tool Chased

Weight to Pull Loose: 84000.00 lb 0.00 ft

String Weight: Initial

Lengths

73000.00 lb

Final

74000.00 lb

Drill Pipe Above KB: 5.30 ft

Length:

Depth to Top Packer: 4182.00 ft Depth to Bottom Packer: fţ

Interval between Packers: 68.00 ft 95.50 ft Tool Length:

Number of Packers:

Tool Comments:

2 Diameter:

6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum.
Change Over Sub	1.00			4155.50	
Shut In Tool	5.00			4160.50	

Hydraulic tool 5.00 4165.50 5.00 Jars 4170.50 Safety Joint 2.50 4173.00 Packer 5.00 4178.00 27.50 Bottom Of Top Packer Packer 4.00 4182.00 Stubb 1.00 4183.00 19.00 Perforations 4202.00 Change Over Sub 4203.00 1.00 Recorder 0.00 8675 Inside 4203.00 8650 Recorder 0.00 Outside 4203.00 Drill Pipe 31.00 4234.00 1.00 4235.00 Change Over Sub Perforations 12.00 4247.00 Bullnose 3.00 4250.00 68.00 Bottom Packers & Anchor

> 95.50 **Total Tool Length:**

Trilobite Testing, Inc Ref. No: 58527 Printed: 2015.02.02 @ 17:00:50



**FLUID SUMMARY** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST

New ton KS, 67114-8827

Twella BG #1

ft

bbl

psig

Job Ticket: 58527

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.01.29 @ 08:50:00

### Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

ohm.m

Viscosity: Water Loss:

Mud Weight:

Resistivity:

53.00 sec/qt ss: 6.39 in<sup>3</sup>

Salinity: 3200.00 ppm Filter Cake: 1.00 inches Cushion Type:

Cushion Length: Cushion Volume:

Cushion Volume:
Gas Cushion Type:

Gas Cushion Pressure:

Oil API: Water Salinity: deg API

vvaler Saimity.

30000 ppm

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
60.00	w cm 50%W 50%M w ith oil scum	0.295
60.00	w cm 10%W 90%M w ith oil scum	0.295
35.00	ocm 2%O 98%M	0.490
5.00	Clean Oil	0.070

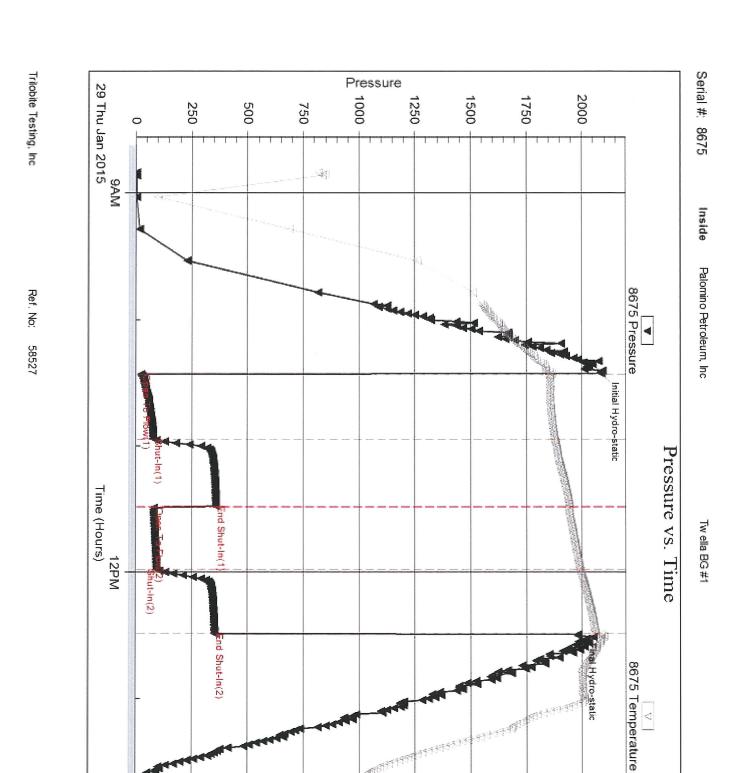
Total Length: 160.00 ft Total Volume: 1.150 bbl

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

Laboratory Name: Laboratory Location:

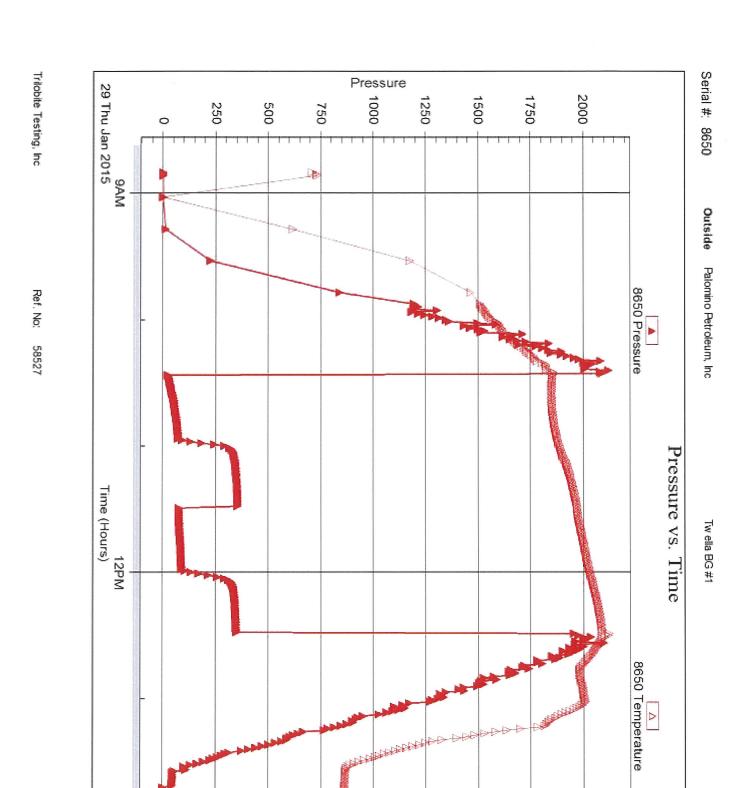
Recovery Comments: RW: .32 @ 50 F = 30,000

Trilobite Testing, Inc Ref. No: 58527 Printed: 2015.02.02 @ 17:00:50



DST Test Number: 3

Temperature



Temperature

DST Test Number: 3



Prepared For: Palomino Petroleum, Inc

4924 SE 84th ST Newton KS, 67114-8827

ATTN: Ryan Seib

## Twella BG #1

## 25-17s-27w Lane,KS

Start Date: 2015.01.30 @ 13:30:00 End Date: 2015.01.30 @ 18:56:45 Job Ticket #: 58528 DST #: 4

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827

Job Ticket: 58528

ATTN: Ryan Seib

Twella BG #1

Test Start: 2015.01.30 @ 13:30:00

#### GENERAL INFORMATION:

Formation:

Marmaton - Ft Scott

Deviated:

Whipstock:

ft (KB)

Time Tool Opened: 15:11:30

Time Test Ended: 18:56:45

Interval: Total Depth:

4217.00 ft (KB) To 4445.00 ft (KB) (TVD)

4445.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Reset)

DST#: 4

Tester: Jace McKinney

Unit No: 75

Reference Elevations:

2580.00 ft (KB)

KB to GR/CF:

2574.00 ft (CF) 6.00 ft

Serial #: 8675

Inside Press@RunDepth:

43.45 psig @ 2015.01.30

4237.00 ft (KB) End Date:

2015.01.30

Capacity: Last Calib.: 8000.00 psig

2015.01.30

Start Date: Start Time:

13:30:15

End Time:

18:56:45

Time On Btm: Time Off Btm: 2015.01.30 @ 15:11:15

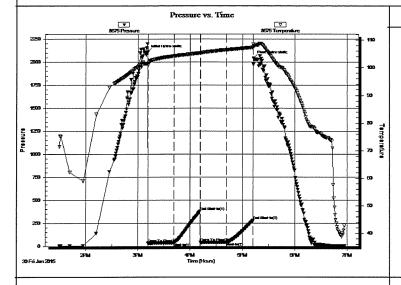
2015.01.30 @ 17:12:30

TEST COMMENT: Built to 1 1/2" blow

No return blow

Weak surface, died in 20 min.

No return blow



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2110.00	101.56	Initial Hydro-static
1	31.93	100.90	Open To Flow (1)
30	38.29	104.24	Shut-In(1)
61	378.53	105.33	End Shut-In(1)
61	39.96	105.23	Open To Flow (2)
91	43.45	106.50	Shut-In(2)
121	279.29	107.43	End Shut-In(2)
122	2042.78	107.99	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)			
30.00	100%Mud	0.15			
* Recovery from multiple tests					

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 58528 Printed: 2015.02.02 @ 17:00:03



Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST

New ton KS, 67114-8827

Twella BG #1
Job Ticket: 58528

DST#:4

ATTN: Ryan Seib

Test Start: 2015.01.30 @ 13:30:00

#### **GENERAL INFORMATION:**

Formation:

Marmaton - Ft Scott

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Unit No: Jace McKinney

еу

Time Tool Opened: 15:11:30 Time Test Ended: 18:56:45

Interval: Total Depth: 4217.00 ft (KB) To 4445.00 ft (KB) (TVD)

4445.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Reference Elevations:

2580.00 ft (KB)

KB to GR/CF:

75

2574.00 ft (CF) 6.00 ft

Serial #: 8650

Press@RunDepth:

Outside

psig @

4237.00 ft (KB)

Capacity: 0 Last Calib.: 8000.00 psig

Start Date:

End Date:

2015.01.30 18:56:30

Time On Btm:

2015.01.30

Start Time:

2015.01.30 13:30:15

End Time:

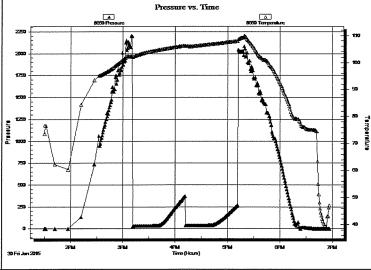
Time Off Btm:

TEST COMMENT: Built to 1 1/2" blow

No return blow

Weak surface, died in 20 min.

No return blow



## PRESSURE SUMMARY

4		_		
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	(10111.)	(psig)	(deg i )	
1				
ì				
'				
1				
-				
-				

## Recovery

Length (ft)	Description	Volume (bbi)			
30.00	100%Mud	0.15			
* Recovery from multiple tests					

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 58528 Printed: 2015.02.02 @ 17:00:03



TOOL DIAGRAM

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1 Job Ticket: 58528

Tool Chased

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.01.30 @ 13:30:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4102.67 ft Diameter: 0.00 ft Diameter: 120.15 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

57.55 bbl 0.00 bbl 0.59 bbl

58.14 bbl

Tool Weight: 2500.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 97000.00 lb

String Weight: Initial 77000.00 lb

Final

0.00 ft

77000.00 lb

Drill Pipe Above KB: 33.32 ft Depth to Top Packer: 4217.00 ft

Length:

Depth to Bottom Packer: ft Interval between Packers: 228.00 ft

255.50 ft

2

6.75 inches

Diameter:

Tool Comments:

Number of Packers:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4190.50		
Shut In Tool	5.00			4195.50		
Hydraulic tool	5.00			4200.50		
Jars	5.00			4205.50		
Safety Joint	2.50			4208.00		
Packer	5.00			4213.00	27.50	Bottom Of Top Packer
Packer	4.00			4217.00		
Stubb	1.00			4218.00		
Perforations	18.00			4236.00		
Change Over Sub	1.00			4237.00		
Recorder	0.00	8675	Inside	4237.00		
Recorder	0.00	8650	Outside	4237.00		
Drill Pipe	187.00			4424.00		
Change Over Sub	1.00			4425.00		
Perforations	17.00			4442.00		
Bullnose	3.00			4445.00	228.00	Bottom Packers & Anchor
T ( 1 T						

Total Tool Length: 255.50

Printed: 2015.02.02 @ 17:00:03 Trilobite Testing, Inc Ref. No: 58528



**FLUID SUMMARY** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1

Job Ticket: 58528

DST#:4

ATTN: Ryan Seib

Test Start: 2015.01.30 @ 13:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

ppm

Viscosity:

Salinity: Filter Cake: 53.00 sec/qt 8.39 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

bbl psig

ft

Water Loss: 8.39 in³
Resistivity: ohm.m

2600.00 ppm 1.00 inches

**Recovery Information** 

Recovery Table

Length Description Volume bbl
30.00 100%Mud 0.148

Total Length:

30.00 ft

Total Volume:

0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

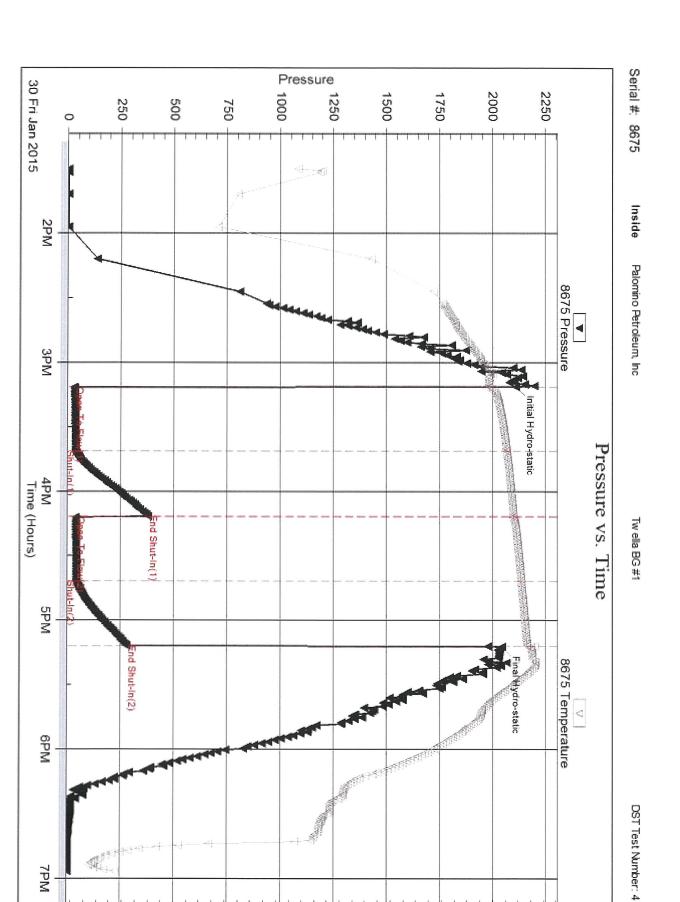
Serial #:

Laboratory Name:

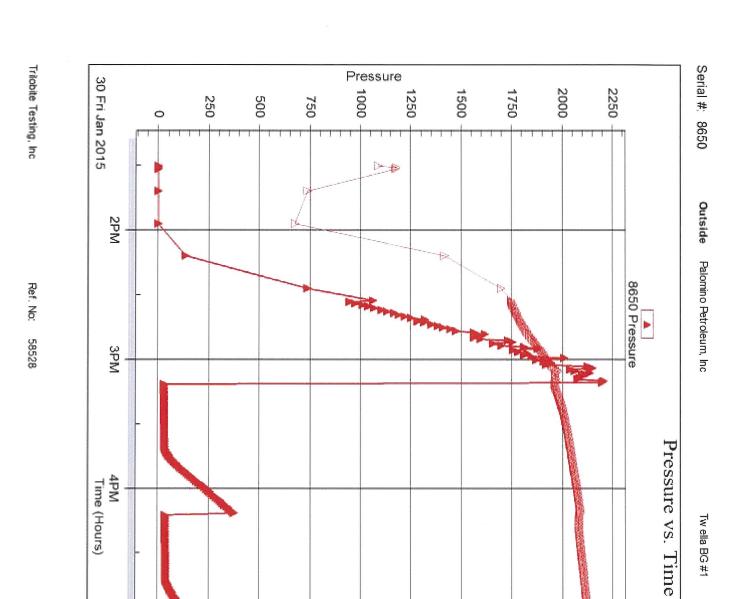
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 58528 Printed: 2015.02.02 @ 17:00:04



Temperature



Δ A B650 Temperature

110

200

DST Test Number: 4

THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.

90

5PM

6PM

7PM

50

40

60

70

80

Temperature



Prepared For: Palomino Petroleum, Inc

4924 SE 84th ST Newton KS, 67114-8827

ATTN: Ryan Seib

#### Twella BG #1

## 25-17s-27w Lane,KS

Start Date: 2015.01.31 @ 15:12:00 End Date: 2015.01.31 @ 21:23:15

Job Ticket #: 58529

DST#: 5

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST

New ton KS, 67114-8827

Twella BG #1

Job Ticket: 58529

DST#: 5

Test Start: 2015.01.31 @ 15:12:00 ATTN: Ryan Seib

#### **GENERAL INFORMATION:**

Time Tool Opened: 17:02:15

Time Test Ended: 21:23:15

Formation:

4632

Deviated:

No

Whipstock: ft (KB)

Test Type: Conventional Straddle (Reset)

Tester:

Jace McKinney

Unit No:

75

Reference Elevations:

2580.00 ft (KB)

2574.00 ft (CF)

KB to GR/CF:

6.00 ft

Interval:

4439.00 ft (KB) To 4560.00 ft (KB) (TVD)

Total Depth:

4115.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Serial #: 8675

Press@RunDepth:

184.92 psig @

4451.00 ft (KB) End Date:

End Time:

Capacity: 2015.01.31 Last Calib.:

8000.00 psig

Start Date: Start Time: 2015.01.31 15:12:15

Inside

21:23:15

Time On Btm:

2015.01.31 2015.01.31 @ 17:02:00

Time Off Btm:

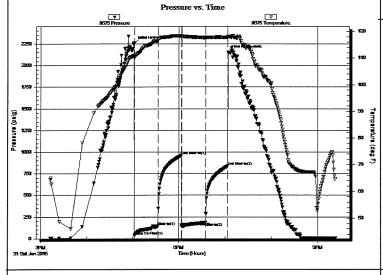
2015.01.31 @ 19:04:00

TEST COMMENT: B.O.B. in 24 1/2" min.

Bled off for 5 min. No return blow

Built to 7" blow

Bled off for 5 min, No return blow



J							
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	2257.78	110.90	Initial Hydro-static			
	1	35.57	109.96	Open To Flow (1)			
	31	140.92	116.38	Shut-In(1)			
	61	958.63	118.34	End Shut-In(1)			
	62	138.96	118.10	Open To Flow (2)			
	93	184.92	117.66	Shut-In(2)			
	122	838.33	117.71	End Shut-In(2)			
	122	2152.13	118.11	Final Hydro-static			
١	1	1		I .			

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
326.00	100%Mud with oil spots	3.48
* Recovery from I	multiple tests	

Gas Rat	es	
Choke (inches)	Proceure (peig)	Cas Pato (Mof/d)

Ref. No: 58529 Printed: 2015.02.02 @ 16:51:25 Trilobite Testing, Inc.



Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST

New ton KS, 67114-8827

Twella BG #1

Job Ticket: 58529

DST#:5

ATTN: Ryan Seib Test Start: 2015.01.31 @ 15:12:00

**GENERAL INFORMATION:** 

Time Tool Opened: 17:02:15

Time Test Ended: 21:23:15

Formation:

4632

Deviated:

Interval: Total Depth: No Whipstock: ft (KB)

Test Type: Conventional Straddle (Reset)

Jace McKinney Tester:

Unit No: 75

Reference Elevations:

2580.00 ft (KB)

2574.00 ft (CF)

KB to GR/CF:

6.00 ft

Serial #: 8650

Hole Diameter:

Outside

4115.00 ft (KB) (TVD)

psig @

4439.00 ft (KB) To 4560.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor

4451.00 ft (KB)

2015.01.31

Capacity:

8000.00 psig

2015.01.31

Last Calib.: Time On Btm:

Press@RunDepth:

Start Date:

Start Time:

2015.01.31

15:12:15

End Date:

End Time:

21:23:00

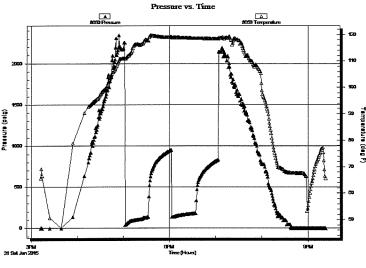
Time Off Btm:

TEST COMMENT: B.O.B. in 24 1/2" min.

Bled off for 5 min, No return blow

Built to 7" blow

Bled off for 5 min, No return blow



PI	RESSUR	RE SU	MMARY

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

#### Recovery

Length (ft)	Description	Volume (bbl)
326.00	100%Mud with oil spots	3.48
Photographic Control of the Control		
*Recovery from n	nultiple tests	

_	
(200	ロっきっこ
Gas	Rates

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

Trilobite Testing, Inc Ref. No: 58529 Printed: 2015.02.02 @ 16:51:25



Palomino Petroleum, Inc

25-17s-27w Lane, KS

Twella BG #1

4924 SE 84th ST

New ton KS, 67114-8827 Job Ticket: 58529

ATTN: Ryan Seib

DST#: 5

Test Start: 2015.01.31 @ 15:12:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 17:02:15

Time Test Ended: 21:23:15

Formation:

4632

Deviated:

Interval:

No Whipstock:

ft (KB)

Tester:

Test Type: Conventional Straddle (Reset)

Jace McKinney

Unit No:

75

Reference Elevations:

2580.00 ft (KB)

KB to GR/CF:

2574.00 ft (CF) 6.00 ft

Total Depth:

4439.00 ft (KB) To 4560.00 ft (KB) (TVD)

4115.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Serial #: 6672 Below (Straddle)

Press@RunDepth:

Start Date:

Start Time:

psig @

4630.00 ft (KB)

2015.01.31

Capacity:

8000.00 psig

2015.01.31

Last Calib.: Time On Btm:

2015.01.31 15:12:45 End Date: End Time:

21:24:45

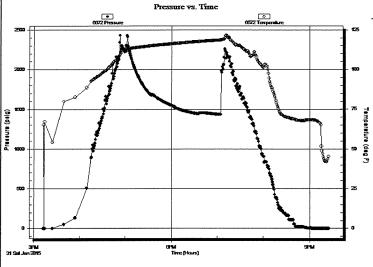
Time Off Btm:

TEST COMMENT: B.O.B. in 24 1/2" min.

Bled off for 5 min, No return blow

Built to 7" blow

Bled off for 5 min, No return blow



#### PRESSURE SUMMARY

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

#### Recovery

Length (ft)	Description	Volume (bbl)
326.00	100%Mud w ith oil spots	3.48
*Recovery from n	nultiple tests	•

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Ref. No: 58529 Printed: 2015.02.02 @ 16:51:25 Trilobite Testing, Inc



**TOOL DIAGRAM** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1 Job Ticket: 58529

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.01.31 @ 15:12:00

Tool Information

Drill Pipe: Length: 4320.98 ft Diameter: Heavy Wt. Pipe: Length: Drill Collar: Length:

0.00 ft Diameter: 120.15 ft Diameter: 3.80 inches Volume: 60.61 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.59 bbl

61.20 bbl

Tool Weight: 2500.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 100000.0 lb

Tool Chased String Weight: Initial

0.00 ft 78000.00 lb

80000.00 lb Final

Drill Pipe Above KB: 29.63 ft Depth to Top Packer: 4439.00 ft

Depth to Bottom Packer: 4560.00 ft Interval between Packers: 121.00 ft Tool Length: 221.50 ft

Number of Packers:

3 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4412.50		
Shut In Tool	5.00			4417.50		
Hydraulic tool	5.00			4422.50		
Jars	5.00			4427.50		
Safety Joint	2.50			4430.00		
Packer	5.00			4435.00	27.50	Bottom Of Top Packer
Packer	4.00			4439.00		
Stubb	1.00			4440.00		
Perforations	11.00			4451.00		
Recorder	0.00	8675	Inside	4451.00		
Recorder	0.00	8650	Outside	4451.00		
Change Over Sub	1.00			4452.00		
Drill Pipe	93.00			4545.00		
Change Over Sub	1.00			4546.00		
Perforations	10.00			4556.00		
Blank Off Sub	1.00			4557.00		
Top of Straddle Packer	3.00			4560.00	121.00	Tool Interval
Packer	1.00			4561.00		
Stubb	1.00			4562.00		
Perforations	4.00			4566.00		
Change Over Sub	1.00			4567.00		
Drill Pipe	62.00			4629.00		
Change Over Sub	1.00			4630.00		
Recorder	0.00	6672	Below	4630.00		
Bullnose	3.00			4633.00	73.00	Bottom Packers & Anchor

**Total Tool Length:** 221.50

Trilobite Testing, Inc Ref. No: 58529 Printed: 2015.02.02 @ 16:51:26



**FLUID SUMMARY** 

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th ST New ton KS, 67114-8827 Twella BG #1 Job Ticket: 58529

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.01.31 @ 15:12:00

Oil API:

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem

9.00 lb/gal

Cushion Length: Cushion Volume:

Cushion Type:

ft bbl deg API ppm

Mud Weight: Viscosity: Water Loss:

55.00 sec/qt 7.99 in<sup>3</sup>

ohm.m Gas Cushion Pressure:

Gas Cushion Type:

psig

Resistivity: Salinity:

Filter Cake:

2800.00 ppm 1.00 inches

**Recovery Information** 

Recovery Table

Description Volume Length bbl 326.00 100%Mud with oil spots 3.478

Total Length:

326.00 ft

Total Volume:

3.478 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial#:

Laboratory Name:

Laboratory Location:

Recovery Comments:

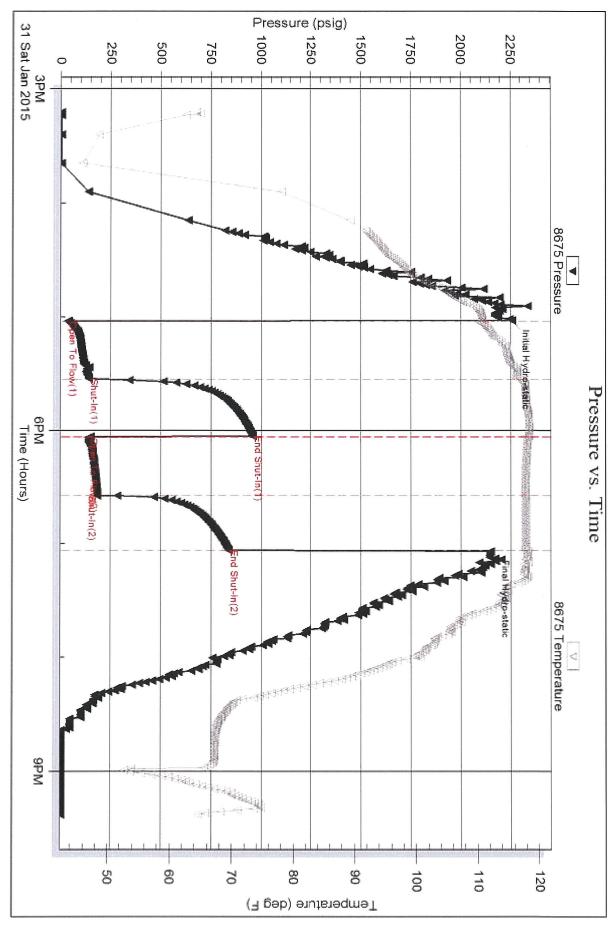
Trilobite Testing, Inc

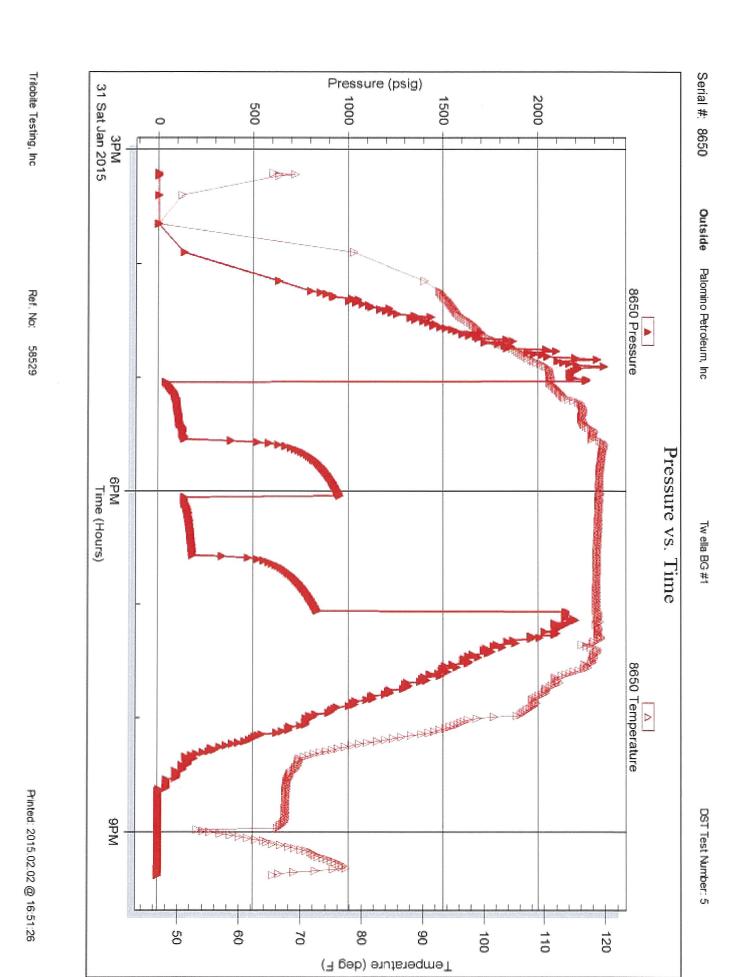
Ref. No: 58529

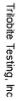
Printed: 2015.02.02 @ 16:51:26

Serial #: 8675

Inside





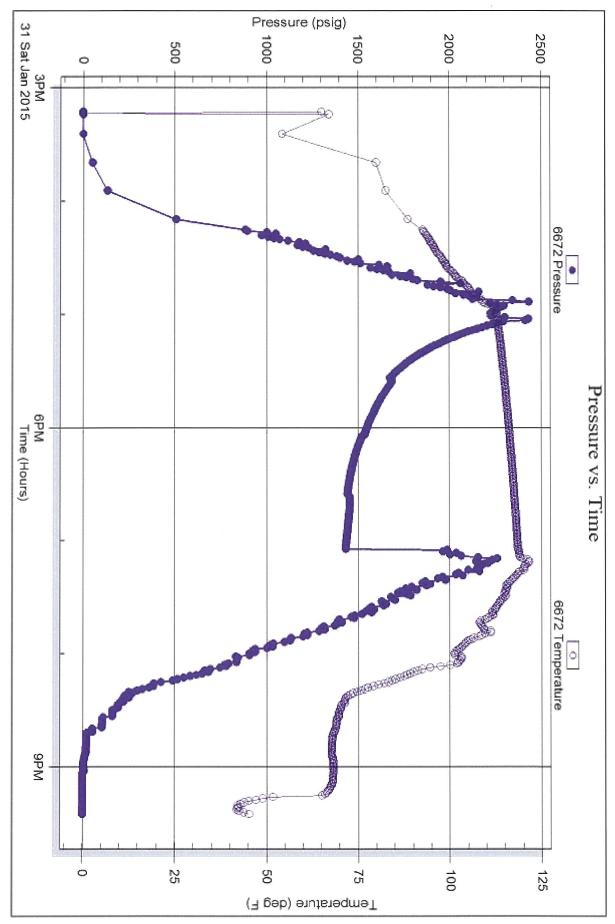


Printed: 2015.02.02 @ 16:51:27

Serial #: 6672









# RILOBITE ESTING INC.

1515 Commerce Parkway · Hays, Kansas 67601

### **Test Ticket**

NO. 58525

	Test No.			
Company Palamino Petroleum, Inc.	Elevation	1580	кв <i>2514</i>	GL
Address 4924 SE 84th ST Newton 45,	67114-8827			erconocumento dello sumo seconosto inspesso resisso.
	Rig WW	Ria 8		
Location: Sec. $25$ Twp. $175$ Rge. $27\omega$	co. Lane C	ounty	State 16	)
Interval Tested 4050-4115 Zone Tested	hansus City	"H-I"		
	n 39160		ıd Wt. <b>&amp; &amp;</b>	
Top Packer Depth 4046 Drill Collars F	Run <i>120</i>	0 <i>15</i> Vis	Col	administrativos responsas estados en el composições o questos estados en el composições de questos estados en e
6 P	1	Wi	- (o. O	allermanner er och e limbor millermannisken sam verscassen sam sam
	2,400 ppm		= 1	
Blow Description Built to 11/2" Coloco	,			
Bled off for 3 mino No return 6000			004800 kita 604 604 604 604 604 604 604 604 604 604	
Built to 1/4 died in 30 mine				
Bled off for 3 min. No return 6100				and the second
Rec_30 Feet of Mud	%gas	%oil	%water $/\mathcal{E}$	6 %muc
RecFeet of	%gas	%oil	%water	%muc
RecFeet of	%gas	%oil	%water	%muc
Rec Feet of	%gas	%oil	%water	%muc
RecFeet of	%gas	%oil	%water	%muc
	API RW	F C	hlorides	ppm
(A) Initial Hydrostatic 1290 Test 1150	<del></del>	T-On Loca	tion <u>00:30</u>	
(B) First Initial Flow 25	0	T-Started	03:00	-
(C) First Final Flow 35		T-Open	*	
(D) Initial Shut-In Circ Sub A)	1/0	T-Pulled C		
(E) Second Initial Flow Hourly Stand	l dby		8:44	
(F) Second Final Flow	80		S at the substitute of the sub	
(G) Final Shut-In G79		***************************************		
\ \C(\) \ \C(\)		·	d Shale Packer	
	Г		d Packer	
0.0			Copies	
20	der	- Extig	0	
20	,		555	
20			Disc't	
1	555	/001	was a second and a	gypper er het er en
Sub Total 1				
Approved By	Our Representative	// 2	4//	



# RILOBITE ESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

### **Test Ticket**

ио. 58526

Well Name & No.	4/10							
Company Palamatino Petro Peuro, Jac.  Address 494 SE 84 57 Newton 25, 61141-8824  Co. Rep / Geo. Ann. Seile  Location: Sec.  B. Twp. 115 Rep. 27 Co. 2 Ann. Bay 8  Location: Sec.  B. Twp. 115 Rep. 27 Co. 2 Ann. Bay 8  Interval Tested  Allolo-4195 Zone Tested 1 Ann. Sch. Churty 1 State 16  Anchor Length  Top Packer Depth  4102 Drill Collars Run  399, 29 Mud Wt. 9-0  Top Packer Depth  4102 Drill Collars Run  180 Lo. 15 Vis 64  Wt. Pipe Run  Wt. Co. 0  Total Depth  Blow Description Built to 1" (Low  Delaw  Allolo-4195 Chlorides 3,200 ppm System LCM 2#  Blow Description Built to 1" (Low  No of thurn (Low  No of thurn (Low  Rec.  Feet of 1962 Second Flore of 1963 Segas 110 Sewater  Rec.  Feet of 1963 Segas 110 Sewater  Rec.  Feet of 1964 Segas 1150 Ton Location 186 Co.  Rec. Feet of 1964 Segas 1150 Ton Location 186 Co.  (G) First Initial Flow 31 Safety Joint 75 Topen 280 Segas 110 Sewater  (G) First Final Flow 32 Hourly Standby Comments  (G) Final Shut-In (Low 30 Day Standby Total 1555  Final Shut-In 30 Day Standby Total 1555  Final Shut-In 30 Day Standby Total 1555  Final Shut-In 30 Day Standby Total 1555  MP/DST Disct  Sub Total 1555  MP/DST Disct	Well Name & No. Twella	BB # 1		Test No	2	Date 1/28/15		
Address   1934   SE   84	A					/ /		GL
Co. Rep / Geo.   Co.								
Location: Sec.   36   Twp.   1/5   Rige   37					() (2			
Interval Tosted		Twp. 175	Rge. 27w	co. Lan	e Country	State	45	
Anchor Length	Interval Tested	41010-4195	Zone Tested 154	nsus Cita	12414			ANTHORISM CONTRACTOR
Top Packer Depth  Bottom Packer Depth  HIDD  Wt. Pipe Run.  Wt. Loc D  Total Depth  Blow Description Built to 1" (clow)  Blow Peacker Seet of Season Soil Wwater  Feet of Segas Scoil Swater  Segas Scoil Swater  Feet of Segas Scoil Swater  Feet of Segas Scoil Swater  Segas Scoil Swater  Feet of Segas Scoil S		m -			( )	Mud Wt. 9.0		
Bottom Packer Depth					120.15	Vis 67		
Total Depth		1				,	5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	10/880/88080 288 278 680 FEB.
Blow Description   Built to   '' (e  cu)   Bled off for 3 min. No return (e  cu)   N			Chlorides 3.3	100	_ppm System	LCM 2#		nanistaria
No return (elow)   No return (	^	1' lelow						
Rec   SO   Feet of   Mux   %gas   %oil   %water   /200   Rec   Feet of   %gas   %oil   %water   /200   Rec   Feet of   %gas   %oil   %water   Rec   Total   30   BHT   1150   F Chlorides   F Chlorides   Charles   F Chlorides   F Chlorides   Charles   F Chlorides   Charles   F Chlorides   Charles   F Chlorides   Charles   Charle	Bled off for 3 min	· No return	1 6low					
Rec   SO   Feet of   Much   %gas   %oil   %water   /27	No blo	w.						
Rec		in Colow						
Rec	Rec_30 Feet of_	Mud		%gas	%oil	%water	100	%mu
Rec	RecFeet of			%gas	%oil	%water		%mu
Rec     Feet of	Rec Feet of			%gas	%oil	%water	MANAGERO CLEI CERNEANI ANG ANG ANG	%mu
Rec Total   30	Rec Feet of			%gas	%oil	%water	777 T/TSS-7700 SET TITE SOUND AND AND AND AND AND AND AND AND AND A	%mu
(A) Initial Hydrostatic (B) First Initial Flow (C) First Final Flow (D) Initial Shut-In (E) Second Initial Flow (G) Final Shut-In (H) Final Hydrostatic (F) Second Final Flow (G) Final Shut-In (D) Initial Shut-In (E) Second Final Flow (F) Seco				%gas	%oil	%water		%mud
(B) First Initial Flow			1150	PI RW	_ @ °	F Chlorides		ppn
(C) First Final Flow  (D) Initial Shut-In  (E) Second Initial Flow  (F) Second Final Flow  (G) Final Shut-In  (H) Final Hydrostatic  Initial Open 30  Final Flow  Initial Shut-In  Oar Shale Packer  Initial Shut-In  Oar Strandby  Initial Shut-In  Oar Standby  Initial Shut-In  Oar Shale Packer  Initial Shut-In  Oar Standby  Initial Shut-In  Oar Shale Packer  Initial Shut-In  Oar Standby  Oar Standby  Oar Standby  Oa	(A) Initial Hydrostatic	2,021	7050					
(C) First Final Flow (D) Initial Shut-In (D) Initial Shut-In (E) Second Initial Flow (E) Second Final Flow (F) Second Final Flow (G) Final Shut-In (H) Final Hydrostatic (G) Final Shut-In (D) Initial Open GO (D) Initial Shut-In (E) Second Initial Flow (III) Initial Shut-In (III) Initial Open GO (III) Initial		71	Jars		Manager Million and Million an			***************************************
(E) Second Initial Flow		703	Safety Joint					PM-01-horse-season-season-season-season-
(F) Second Final Flow  (G) Final Shut-In  (H) Final Hydrostatic  Initial Open 30  Initial Shut-In  Day Standby  Comments  Comm			Circ Sub N/C	faster of the section			***	***************************************
(G) Final Shut-In	(E) Second Initial Flow	32						
Character		136	Mileage & RT	80				**************************************
Initial Open 30  Initial Open 30  Initial Shut-In 30  Extra Packer Initial Shut-In 30  Extra Recorder Sub Total 0  Total 1555  Final Shut-In 30  Accessibility MP/DST Disc't Sub Total 1555		2 11	☐ Sampler					
Initial Open 30	(H) Final Hydrostatic	14 35	☐ Straddle		— □ Ru	ined Shale Packer	4 97598 704-444-44	
Initial Shut-In 30	0.0		☐ Shale Packer		— □ Ru	ined Packer	**************************************	
Final Flow			☐ Extra Packer	***************************************		tra Copies	9999949904948	
Final Shut-In Accessibility MP/DST Disc't Sub Total 1555			☐ Extra Recorder			otal 0		
Sub Total 1555			☐ Day Standby		Total_	1555	4478	-
Sub lotal	Final Shut-In 30				MP/D	MP/DST Disc't		
Approved By Our Representative / / / /			Sub Total		-1	1/		
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			Our F	Representativ	e / /202	1//		



# RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## **Test Ticket**

NO. 58527

Rec   36	4/10					1
Company   Address   As   As   As   As   As   As   As	Well Name & No. Twella BC	#1	Test No.	30	ate 1/29/15	
Address 1994 86 24 16 17 Now ton 145, 67111-8837  Co. Rep / Geo. Awan Skille Location Sec. 25 Twp M3 Rgs. 27 to Co. Awar Calling Ambrid Tested  189 - 4350  Zone Tested Mansk Struck 1 4 Place Ambrid Ambrid Legith  180 - 4350  Zone Tested Mansk Struck 1 4 Place Ambrid Ambrid Legith  180 - 4350  Zone Tested Mansk Struck 1 4 Place Ambrid Ambrid Legith  180 - 4350  Zone Tested Mansk Struck 1 4 Place Ambrid Ambrid Legith  180 - 4350  Chlorides 3, 200 ppm System LCM 2 #  Shall by Struck 1 4 mm (slace)  180 - 180	Company Palomino Petrol	eum, Inc		2580	кв <u>2574</u>	GL
Co. Rep / Geo. Avan Spile Location: Sec. 35 Twp. M.3 Rge. 27 Co. 240 Curry State M5  merval Tested  ##83 - 4350 Zone Tested M67655 (Na. 14 PLC/SANTON Anchor Length  ##83 - 4350 Drill Pipe Run  ##83 455 Mud Wt. 9, 9  Fop Packer Depth  ##18 Drill Collars Run  ##84 155 John Roker Depth  ##85 Wt. Pipe Run  ##85 Wt. Pipe			7114-8824		<del>erine e apple a mandre e</del> allia li li li li di di mobile è professione e se del colo la riche è mel del riche.	de hydrologic of the last of the section of the sec
Location: Sec.   25   Twp   Mg   Rgo.   27	1	•		2 Rias		
Anchor Length	1	1 <u>1</u> 13 Rge. 270	o co. Lane	Country	State 1	5
Anchor Length	Interval Tested 4183	- <u>4250</u> Zone Testi	ed Kansas City	'L+ Pleas	anton	
Deltom Packer Depth						elanakunnakir Elondook (n. v.) (? 1866) Soot valari kilomaskir bardook (n. v.)
Solitom Packer Depth    182   WI. Pipe Run						
Total Depth						
Slow Description   Description						
No			,			
		* 1				
Rec   S	Built to 51/2	1" Llow				
Rec 26 Feet of 200 Feet of 200 with or 300 %gas 200 %oil %water 98 %multiple (200 Feet of 200 with or 300 %gas %oil 100 %water 90 %multiple (200 Feet of 200 with or 300 %gas %oil 500 %water 500 %multiple (200 Feet of 200 with or 300 %gas %oil 600 %water 500 %multiple (200 Feet of 200 William) for a see Total 140 BHT 100 Gravity API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 ppr API RW 300 GO F Chlorides 300 000 pp PP RW 300 pp PP RW 30	Weak our face	- return /elow				mit aminmunt liitemätää kallisin myödytäisinen, seej-säniityksijäinen, se
Rec_(QD) Feet of WCM with all flux % %gas %oil 10 %water 90 %must Rec_(QD) Feet of WCM with all flux % %gas %oil 50 %water 50 %must Rec_(QD) Feet of WCM with all flux % %gas %oil %water 50 %must Rec_(QD) Feet of %gas %oil %water %must Rec_(QD) Feet of %gas %oil %water %must Rec_(QD) Feet of WCM with all flux % MIRW 30 @ 50 "F Chlorides 30 QCD ppr 70 Location 07.240 Ton Location 07.24	Rec 5 Feet of Claw	ood	%gas	100 %oil	%water	%muc
Rec Feet of With a few	Rec 36 Feet of OCM		%gas	Q ‰il	%water	98 %mud
Rec   Feet of	Rec (a) Feet of WCM	with oil sum	%gas	%oil	/O %water	90 %muc
BHT CARRECTOTAL MAPERWAS & SO F Chlorides 30,000 ppr A) Initial Hydrostatic 081 Test 1150 T.On Location 07:40 B) First Initial Flow 15 Jars 250 T.On Location 07:40 C) First Final Flow 16 Jars 250 T.Open 10:27 C) First Final Flow 17 T.Open 10:27 C) First Final Flow 19 T.Open 10:29 C) First Flow 19 T.Open 10:29 C) Flow 10:29 C) First Flow 19 T.Open 10:29 C) Flow	Rec Feet of _WCM	with ail scum	%gas	%oil	50 %water	50 %muc
A) Initial Hydrostatic	RecFeet of					%mud
A) Initial Hydrostatic	A	OC Gravity	API RW 632	_@ <u>50</u> °F c	hlorides <u>36</u> ,	<i>co</i> co ppπ
C) First Final Flow 76 Safety Joint 75 T-Open 10° 27  T-Pulled 12° 27  T-Pulled 12° 27  T-Pulled 12° 27  T-Out 14° 23  Comments  F) Second Initial Flow 83 Hourly Standby Comments  F) Second Final Flow 94 Mileage 80 A 80  G) Final Shut-In 353 Sampler  H) Final Hydrostatic 95 Shale Packer Ruined Shale Packer  Shale Packer Recorder Sub Total 1555  initial Shut-In 30 Day Standby Total 1555  Initial Shut-In 30 Accessibility MP/DST Disc't Sub Total 1555  Inproved By Our Representative 1555	(A) Initial Hydrostatic 308	21 Test 11	50			
D) Initial Shut-In 354	(B) First Initial Flow	$\sqrt{25}$ $\sqrt{3}$ Jars $\sqrt{2}$	50			
E) Second Initial Flow  G) Hourly Standby  Comments  Com	(C) First Final Flow	Safety Joi	nt 75	PANHADANA	_	
Hourly Standby  Comments    Hourly Standby   Comments     Mileage 80 27 80     Mileage 80 27 80     Mileage 80 27 80     Sampler     H) Final Shut-In   Straddle   Ruined Shale Packer     Shale Packer   Ruined Packer     Extra Packer   Extra Copies     Sub Total   Sub Total     Day Standby   Total   1555     Sub Total   1555     Supproved By   Our Representative     Our Representative   Our Representative   Our Representative     Our Representative   Our Representative   Our Representative     Our Representative   Our Representat			N/C			
Mileage DD TS TO MILEAGE DE MILEA	(E) Second Initial Flow	33	indby			
G) Final Shut-In	(i / CCCCita i mai i lott	Mileage &	30 BT 80			
Ruined Shale Packer   Ruined Shale Packe	,	Sampler_				
Shale Packer Ruined Packer Ruined Packer Ruined Packer Sub Total Open Sub Total Open Sub Total 1555  Sinal Shut-In Open Open Sub Total 1555  Sinal Shut-In Open Open Sub Total 1555	(H) Final Hydrostatic \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Straddle_		— □ Buinec	f Shale Packer	
initial Open 30	,					
inal Flow	Initial Open 30					
inal Flow	Initial Shut-In			- LANG		
Sub Total 1555  Our Representative Our Representative displayed of any kind of the property or personnel of the one for whom a test is made or for any large suffered or sustained durfilled indirectly. Through the property of the one for whom a test is made or for any large suffered or sustained durfilled indirectly. Through the property of the one for whom a test is made or for any large suffered or sustained durfilled indirectly.	Final Flow30			Total 1	555	
Sub Total 1555  Speroved ByOur Representative	Final Shut-In30					
ilobite 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 duratives indirectly through the property					MH Security (1994), 1994	d yn mewn y adamentaeth a daeth a daeth a ach a an an a a a a a a a a a a a a a a a
ilobite 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 duratives indirectly through the property	Approved By		Our Representative	1/20		
	Trilobite Testing Inc. shall not be liable for damaged of any k equipment, or its statements or opinion concerning the resu	ind of the property or personnel of the one Its of any test, tools lost or damaged in the	or whom a test is made, or for any	henistand or sustained	directly of indirectly, th	rough the use of its



# **Test Ticket**

ио. 58528

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Twella BG # 1	Test No.	4	_ Date 1/30/15		
Company Palamino Petroleum Inc.	Elevation	2580	кв_ 2574	GLGL	
Address 4924 SE BYth ST Newton		7			
A	Rig <u></u> ₩	W Rig B			
Location: Sec Twp Rge	27w co. Lan	ie Cound	State	K5	
	ne Tested Marmaton	, Pawnee,			
Anchor Length	Il Pipe Run 4/1	22.67	Mud Wt. 904		
	Il Collars Run	120015	Vis <u>5.3</u>	materian di anticolo di anticolo con più di di di anti 200 della CONTRA PROPERENTA PER PER PER PER PER PER PER	
Bottom Packer Depth Wt	. Pipe Run		WL 8.4	E0000000000000000000000000000000000000	
	lorides 2,600	_ppm System	LCM_2#		
Blow Description Built to 1/2" Lelow					
No return 6/00					
Veux ourtace, died in 20,	mino				
Rec 30 Feet of Mwa	%gas	%oil	%water	/06%mud	
Rec         Feet of           Rec         Feet of		%oil	%water	%mud	
Rec Feet of		%oil	%water	%mud	
Rec Feet of		%oil	%water	%mud	
Rec Feet of	%gas	%oil	%water	%mud	
Rec Total 30 BHT 107 Gravity					
(A) Initial Hydrostatic Tes	1150		ocation 10:00	ppiii	
(B) First Initial Flow 32 Jan	250		ed /3:30		
25	fety Joint75	Militaria (continue de continue de continu	15:13		
AMA /	c Sub N/C		d 17:13		
1/0	ourly Standby 2 hours	T-Out	18:56		
	leage 80 RT 80	\	ents flad to		
(1)7()	.mpler	and	didnit sau	) , 1/	
26412	addle	MIL	ined Shale Packer	location	
	ale Packer		ined Shale Packer		
	tra Packer	- TO	tra Copies		
20	tra Recorder	- La / 1	otal		
2.0	y Standby		1555		
7.	☐ Accessibility		MP/DST Disc't		
	1555 tal		17	7	
Approved By	Our Representativ		1//		
Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of equipment, or its statements or opinion concerning the results of any test, tools lost or dama	of the one for whom a test is made, or for a ged in the hole shall be paid for at cost by	iny loss suffered or susta the party for whom the te	ained, directly or indirectly of strict is made.	frough the use of its	



# RILOBITE ESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

# **Test Ticket**

NO. 58529

4/18					
Well Name & No. Twella Bb#1 Company Palomino Petroleum	Inc.	Elevation		, <u>,</u>	
Address 4924 SE 84th ST New to					e con reas communicación de contracto en como en el contracto de contr
Co. Rep/Geo. Ryan Scilo	A	Rig <u> </u>	<u> Rig 8</u>		
Location: Sec	Rge. <u>27</u> い	co. Lane Co.	unty	State	K3'
Interval Tested 4439-4560 Tail	Pink Zone Tested 50	ohnson Zone	4 Missi	Bippian	elinange mikking om (100 d. p. o. o.) kreitliche (20 - bestrich on o. o.) kreitliche (20 - bestrich on o.) kreitliche (20 - bestrich o.) kreitliche (20 - bestrich on
Anchor Length 121' 72'	1	4320		ud Wt. 9.9	
Top Packer Depth 4/435		1200		s <i>55</i>	
Bottom Packer Depth 4439				L 8.0	
Total Depth 4600 463		),800 ppm :		м <u>2#</u>	
Blow Description Bobo Bo TA 24 1/2			•	•	
Bledoff for 5 min. No retu					
Built to 7" lelon					
Bled of for 5 min. No retu					
Rec 326 Feet of Mudwith		%gas	%oil	%water	/00 %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	%water	%mud
Rec Total 326 BHT 118	Gravity	API RW@	°F C	hlorides	ppm
(A) Initial Hydrostatic 2 258	Test 1150		T-On Loca	ition <i>15:00</i>	
(B) First Initial Flow 360	Jars250			15:12	
(C) First Final Flow	Safety Joint 75		T-Open_		
(D) Initial Shut-In 959	Circ Sub NC		_	9:04	
(E) Second Initial Flow 39	☐ Hourly Standby		T-Out -	4:23_	
(F) Second Final Flow 185	Mileage 80 KT	80	Comment	S	
(G) Final Shut-In	□ Sampler		intelligential des estato de la constitución de la		
(H) Final Hydrostatic 2,152	Straddle 600		D. D. Jac	d Chala Dadia	
· ·	M Shale Packer 25	50			de 1800 de 180
Initial Open <u>30</u>	Extra Packer				
Initial Shut-In30	□ Extra Recorder		Sub Total		
Final Flow30	☐ Day Standby		Total 2		delth Stadistart der eller et er en
Final Shut-In 30	☐ Accessibility			Disc't	
	Sub Total 2405		···· 1001		
Approved By	Our	Representative /	1/2	1//	

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.