

### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1088921

Form ACO-1 June 2009 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
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 #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet  If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date	

#### **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				
Letter of Confidentiality Received				
Date:				
Confidential Release Date:				
☐ Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I II III Approved by: Date:				

Side Two



Operator Name:			Lease Name	e:			_ Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clos	sed, flowing and shut s if gas to surface tes	I base of formations per in pressures, whether set, along with final chart well site report.	shut-in pressure	reached s	static level,	hydrostatic press	sures, bottom h	ole temperature, fl
Orill Stem Tests Taken (Attach Additional S		Yes No		Log	Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolo		☐ Yes ☐ No	N	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	I Electronically	Yes No Yes No Yes No						
List All E. Logs Run:			RECORD [		Used			
	Size Hole	Report all strings set- Size Casing	-conductor, surface Weight		ate, producti Setting	on, etc.  Type of	# Sacks	Type and Percen
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.		Depth	Cement	Used	Additives
		ADDITIONA	L OFMENTING (	00115575	DECORD			
		ADDITIONA	L CEMENTING / :	SQUEEZE	RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	d		Type and F	Percent Additives	
Shots Per Foot		ON RECORD - Bridge Plu ootage of Each Interval Pe				cture, Shot, Cement mount and Kind of Ma	•	d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Line	r Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENI	HR. Producing Me	thod:	Gas Li	ift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	В	bls. (	Gas-Oil Ratio	Gravity
DISPOSITIO	Used on Lease	Open Hole	METHOD OF COM	MPLETION: ually Comp omit ACO-5)	. Cor	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:
(If vented, Sub	mit ACO-18.)	Other (Specify)						

Form	ACO1 - Well Completion		
Operator	Palomino Petroleum, Inc.		
Well Name	Arlene 1		
Doc ID	1088921		

## Tops

Name	Тор	Datum
Anhy.	1468	(+606)
Base Anhy.	1508	(+566)
Topeka	3034	(-960)
Queen Hill	3127	(-1053)
Heebner	3239	(-1165)
Lansing	3279	(-1205)
Muncie Ck	3399	(-1325)
Stark	3458	(-1384)
BKC	3480	(-1406)
Arbuckle	3543	(-1469)
LTD	3618	(-1544)



PO Box 93999 Southlake, TX 76092

Voice: Fax: (817) 546-7282 (817) 246-3361

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827 INVOICE

Invoice Number: 131302

Invoice Date: May 25, 2012 Page: 1

JUN 0 2 2012 Page:

RECEIVED



Customer ID	Well Name# or Customer P.O.	Payment	Terms
Palo	Arlene #1	Net 30 I	Days
Job Location	Camp Location	Service Date	Due Date
KS2-03	Great Bend	May 25, 2012	6/24/12

Quantity	Item	Description	Unit Price	Amount
138.00	MAT	Class A Common	16.25	2,242.50
92.00	MAT	Pozmix	8.50	782.00
8.00	MAT	Gel	21.25	170.00
57.00	MAT	FloSeal	2.70	153.90
247.00	SER	Handling	2.10	518.70
35.00	SER	Ton Miles	24.25	848.82
1.00	SER	Rotary Plug	1,250.00	1,250.00
35.00	SER	Heavy Vehicle Mileage	7.00	245.00
35.00	SER	Light Vehicle Mileage	4.00	140.00
1.00	EQUIP OPER	Dustin Chambers		
1.00	EQUIP OPER	Jonathon Ploutz		
1.00	OPER ASSIST	Kevin Weighous		
		-		
		Subtotal		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1587.73

ONLY IF PAID ON OR BEFORE
Jun 19, 2012

Subtotal	0.050.00
	6,350.92
Sales Tax	400.11
Total Invoice Amount	6,751.03
Payment/Credit Applied	
TOTAL	6,751.03

## ALLIE OIL & GAS SERVICE , LLC 053621 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665

SERVICE POINT:
Creat Bend KS

DATE SZZIZ	SEC.	TWP.	RANGE 19W	CALLED OUT	ON LOC	ATION	JOB START	JOB FINISH
LEASE BAJENS	WELL##	61		h 210 3/41	. ) (2	1	COUNTY	STATE
OLD OR NEW)(C			LOCATION CUALC	h & 10. 0191	w Win	(D	1/00KS	185
		***************************************				***************************************		
CONTRACTOR	Mallard	Drillus	Ric #1	OWNER				
TYPE OF JOB R	Stru Plise	,						
HOLE SIZE (2/	14'	T.D		CEMENT				
CASING SIZE &	5/8	DEF	TH	_ AMOUNT OF	RDERED .	2305	160201	ace iA
TUBING SIZE		DEI	TH	40% DO2	4% Cc	1 1/4	Floreni	~-264
DRILL PIPE 4'	12	DEI	TH 3524					
TOOL		DEF	TH					
PRES. MAX		MIN	IIMUM	_ COMMON_	138		@ 14-25	2.242.5
MEAS. LINE			DE JOINT	POZMIX	92		@ 8.50	782.00
CEMENT LEFT I	N CSG. A	1		GEL	8		@ 21.25	
PERFS.				CHLORIDE			@	
DISPLACEMENT	Fresh 6	Jater		ASC			@	
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							@	
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#	DRIVER			***************************************			@	
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Ratible - 30.5	X			MILEAGE _	-	35	@ 7.00	245.00
Plus down	4500	p		<ul> <li>MANIFOLD.</li> </ul>			@	
3	f	~			UW	35	@ 4.00	140.00
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CHARGE TO:	almina	Petrole	41701					
	allia di dia dia dia dia dia dia dia dia di						TOTAL	1635.9
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B .				1	ı	~		



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

(817) 246-3361

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St.

Newton, KS 67114-8827

Invoice Number: 131186

Invoice Date: May 18, 2012

Page: 1



CustomerID	Well Name/# or Customer P.O.	Payment	Terms	
Palo Arlene #1 Net 30 Days				
Job Location	Camp Location	Service Date	Due Date	
KS2-01	Great Bend	May 18, 2012	6/17/12	

RECEIVED

MAY 7 5 2012

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	16.25	2,437.50
3.00	MAT	Gel	21.25	63.75
5.00	MAT	Chloride	58.20	291.00
162.90	SER	Handling	2.10	342.09
35.00	SER	Ton Miles	17.39	608.65
1.00	SER	Surface	1,125.00	1,125.00
35.00	SER	Heavy Vehicle Mileage	7.00	245.00
35.00	SER	Light Vehicle Mileage	4.00	140.00
1.00	EQUIP OPER	Greg Redetzke		170.00
1.00	EQUIP OPER	Kevin Eddy		
1.00	OPER ASSIST	Kevin Weighous		
ALL DDICES AD	ENET DAVADIE	Subtotal		5 252 00

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

ONLY IF PAID ON OR BEFORE Jun 12, 2012

0	
Subtotal	5,252.99
Sales Tax	175.91
Total Invoice Amount	5,428.90
Payment/Credit Applied	-, 12100
TOTAL	5,428.90

## ALLIED OIL & GAS SERVICES, LLC 053541

Federal Tax I.D.# 20-5975804

REMIT TO	P.O. BOX 31
	RUSSELL, KANSAS 67665

REMIT TO P.O. E		NSAS 676	65		SER	VICE POINT:	Sand, KS
DATE -/8-/2	SEC.	TWP	RANGE 19	CALLED OUT	ON LOCATION	JOB START	JOB EINISH
1		1/	1 // =	1 1/2	4. 4	COUNTY	STATE Z
LEASE TO CHE	Z		3/17	JC/5, 10>	X MOPTLE	XOCKS	1
OLD OR NEW (CI	rcie one)	1	13/4 (0.62	I Morth	146/	_ ا	
CONTRACTOR	N	19/191	-d-#	OWNER	19/cm	11110	
TYPE OF JOB		SUF	Foce		- marine from the second section is a second		
HOLE SIZE	12/4	<u> </u>	Carried Comments	CEMENT	100	1 1	1 1
CASING SIZE	15/8		PTH Jog	AMOUNT OI	RDERED 15E	12 C	1965 14
TUBING SIZE DRILL PIPE			PTH /	_ <u>240 cc</u>	20/0 Q	e/	
TOOL			PTH				
PRES. MAX			NIMUM	COMMON	150	@ 14.25	2. 437. 5
MEAS, LINE			OE JOINT	POZMIX	/		2. 101.
CEMENT LEFT IN	CSG.		5.14	GEL	3		63.75
PERFS.		-		CHLORIDE	Company		291.00
DISPLACEMENT		7.1360	<b>ご</b> 文_	ASC			
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7 / /	HELPER	/	Cevia &				
BULK TRUCK		/	/			_	
	DRIVER		Reval W	Assertation		_ @ _ @	January Company
BULK TRUCK						_ @	
ŧ j	DRIVER		**************************************	- HANDLING	162.9	@ 210	342.99
					14 x 35 x		608.65
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cc 2% 00	7			DEPTH OF J	OP.		
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CHARGE TO:	1910	mino	2	tionelle.			
TREET						TOTAL	1510,00
CITY	STA	ATE	ZIP		PLUG & FLOA	TEOLIDMEN	JT
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Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114

Job Ticket: 47110

Arlene #1

DST#: 1

ATTN: Ken Wallace

Test Start: 2012.05.22 @ 00:05:30

#### GENERAL INFORMATION:

Formation:

Toronto-KC A

Deviated:

Whipstock:

ft (KB)

Time Tool Opened: 04:06:30

Time Test Ended: 07:55:30

3236.00 ft (KB) To 3300.00 ft (KB) (TVD)

Interval: Total Depth:

3300.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Tester:

Test Type:

Brett Dickinson

Unit No: 59

Reference Bevations:

2074.00 ft (KB)

2069.00 ft (CF)

Conventional Bottom Hole (Initial)

KB to GR/CF:

PRESSURE SUMMARY

5.00 ft

Serial #: 8369 Inside

Press@RunDepth:

50.91 psig @ 2012.05.22

3237.00 ft (KB) End Date:

2012.05.22

Capacity: Last Calib.:

8000.00 psig

Start Date: Start Time: 00:05:35

End Time:

07:55:29

Time On Btm:

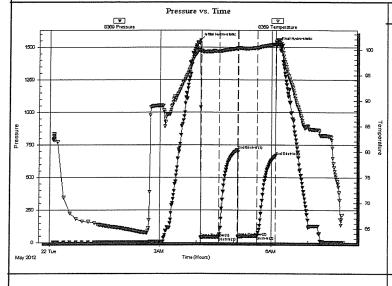
2012.05.22 2012.05.22 @ 04:05:00

Time Off Btm:

2012.05.22 @ 06:10:30

TEST COMMENT: IF-Very weak surface blow

ISI-No blow FF-No blow FSI-No blow



## Time Pressure Temp Annotation

(Min.)	(psig)	(deg F)	
0	1556.10	99.97	Initial Hydro-static
2	38.62	99.74	Open To Flow (1)
31	43.20	99.64	Shut-In(1)
61	712.42	100.24	End Shut-In(1)
62	46.51	100.31	Open To Flow (2)
92	50.91	100.38	Shut-In(2)
122	667.17	101.06	End Shut-In(2)
126	1525.67	101.93	Final Hydro-static

#### Recovery

Length (ft)	Description Volume (bbl)		
30.00	VSOCM 5%O 95%M	0.15	
35.00	Oil spotted mud	0.17	

### Gas Rates

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

Trilobite Testing, Inc Ref. No: 47110 Printed: 2012.05.25 @ 09:42:42



Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114 Arlene #1 Job Ticket: 47110

DST#: 1

ATTN: Ken Wallace

Test Start: 2012.05.22 @ 00:05:30

#### GENERAL INFORMATION:

Time Tool Opened: 04:06:30

Time Test Ended: 07:55:30

Formation:

Toronto-KC A

Deviated:

Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Brett Dickinson

Unit No:

59

2074.00 ft (KB)

2069.00 ft (CF)

Interval: Total Depth:

3236.00 ft (KB) To 3300.00 ft (KB) (TVD)

Reference Bevations:

3300.00 ft (KB) (TVD)

Outside

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 8319

Press@RunDepth:

psig @

3237.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date:

2012.05.22

End Date:

2012.05.22

Time On Btm:

2012.05.22

Start Time:

00:05:35

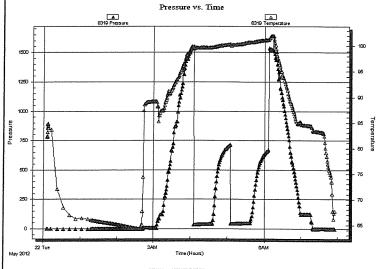
End Time:

07:54:59

Time Off Btm:

TEST COMMENT: IF-Very weak surface blow

ISI-No blow FF-No blow FSI-No blow



	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
		ι, σ,	, 3,,	
7.				
Temperature				
ē				

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSOCM 5%O 95%M	0.15
35.00	Oil spotted mud	0.17

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 47110 Printed: 2012.05.25 @ 09:42:42



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114 Arlene #1 Job Ticket: 47110

DST#: 1

ATTN: Ken Wallace

Test Start: 2012.05.22 @ 00:05:30

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length: 2980.00 ft Diameter:

Length:

ft Diameter: 241.00 ft Diameter: 3.80 inches Volume: 2.70 inches Volume: 2.25 inches Volume: 41.80 bbl - bbl 1.19 bbl Tool Weight: Weight set on Packer: 25000.00 lb

2000.00 lb

Total Volume: - bbl

Weight to Pull Loose: 70000.00 lb Tool Chased 4.00 ft

String Weight: Initial 41000.00 lb 41000.00 lb Final

Drill Pipe Above KB: Depth to Top Packer:

6.00 ft 3236.00 ft

Depth to Bottom Packer: Interval between Packers:

ft 64.00 ft 85.00 ft

2 Diameter:

6.75 inches

Tool Comments:

Number of Packers:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3216.00		
Shut In Tool	5.00			3221.00		
Hydraulic tool	5.00			3226.00		
Packer	5.00			3231.00	21.00	Bottom Of Top Packer
Packer	5.00			3236.00		
Stubb	1.00			3237.00		
Recorder	0.00	8369	Inside	3237.00		
Recorder	0.00	8319	Outside	3237.00		
Perforations	5.00			3242.00		
Change Over Sub	1.00			3243.00		
Drill Pipe	31.00			3274.00		
Change Over Sub	1.00			3275.00		
Perforations	22.00			3297.00		
Bullnose	3.00			3300.00	64.00	Bottom Packers & Anchor

**Total Tool Length:** 

85.00

Trilobite Testing, Inc Ref. No: 47110 Printed: 2012.05.25 @ 09:42:43



**FLUID SUMMARY** 

deg API

ppm

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114 Arlene #1

Job Ticket: 47110

**DST#: 1** 

ATTN: Ken Wallace

Test Start: 2012.05.22 @ 00:05:30

Oil API:

Water Salinity:

#### Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity: Water Loss:

50.00 sec/qt 6.78 in<sup>3</sup>

Resistivity:

Filter Cake:

ohm.m 1900.00 ppm

Salinity:

inches

Cushion Type:

Cushion Length: Cushion Volume: ft

bbl

Gas Cushion Type:

Gas Cushion Pressure:

psig

### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
30.00	VSOCM 5%O 95%M	0.148
35.00	Oil spotted mud	0.172

Total Length:

65.00 ft

Total Volume:

0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0 Serial #:

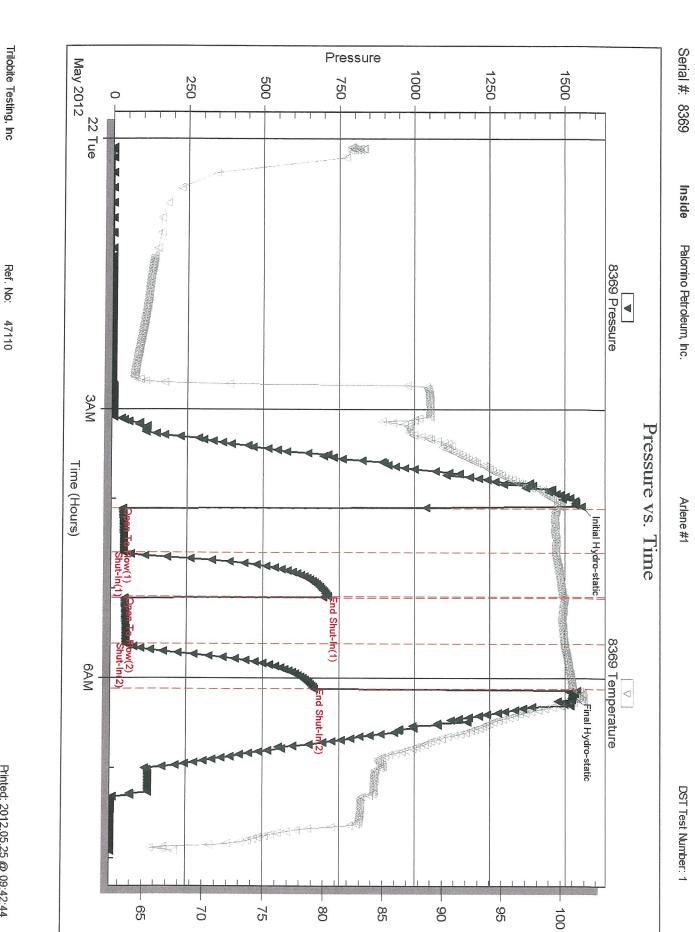
Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 47110



Temperature

Trilobite Testing, Inc

Ref. No:

47110



# RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## **Test Ticket**

NO. 47110

Well Name & No. Arlene	# (	Test No.	/ Date	,5/22/12
Company Palomino Pa	droleum, Inc.	Elevation 2 C		
	7457 Lewison KS		and the second s	UL.
Co. Rep/Geo. Kon Walle	CE	Rig Malla	-d	** ** ** *** *** *********************
Location: Sec. 16 Tw	rp. 9 Age. 19	Co. Rooks		State £5
Interval Tested 3236 —	33CC Zone Testec	Jorante - KCA	ſ	
Anchor Length 64		in 2980		vi 8.6
Top Packer Depth 323/	Drill Collars	Run 241	Vis	5 O
Bottom Packer Depth 323 6	Wt. Pipe Ru	in .	WL	6.8
Total Depth 3300	Chlorides	1900 ppm S	System LCM	1 50
Blow Description IF - Var	y went Surface 1	blow		and the second s
ISI - No	blow			
EF-N	blow	Maring and the		17.7 St. 17. S. White I am a supplier and another include an analysis of the supplier and an a
BJ N	Alleren Agreement and a second			The second secon
Rec 35 Feet of Oil	sported mud	%gas	%oil	%water %mud
Rec 30 Feet of VS	OCM	%gas	5 %oil	%water 95 %mud
Rec Feet of	· / Indianalesperantes reserving some	%gas	%oil	%water %mud
RecFeet of		%gas	%oil	%water %mud
Rec Feet of		%gas	%oil	%water %mud
<u> </u>	HT / O / Gravity	API RW @	F Chlori	ides ppm
A) Initial Hydrostatic 1,5	5 6 X Test 1150	**************************************	T-On Location	- Committee of the Comm
B) First Initial Flow	39 Jars		T-Started	00105
C) First Final Flow	U Safety Joint		T Open	4:05
D) Initial Shut-In	2 U Circ Sub		T-Pulled	6:05
E) Second Initial Flow	1 / U Hourly Stand	dby	TOut	1 3 5
F) Second Final Flow	7 L Wileage 3	S × 2 111.60	Comments	
G) Final Shut-In 66				a various sus a contract of contract of the co
H) Final Hydrostatic 1,52	Straddle		☐ Ruined Sh	ala Packor
26	☐ Shale Packer	Γ	☐ Ruined Pa	
nitial Open	☐ Extra Packer		☐ Extra Copi	Control of the contro
nitial Shut-In	☐ Extra Record	der	Sub Total 0	COLOR SE S COMMUNICIPALITY
inal Flow	) 5 — 🗀 Day Standby		Total 1261.	60
inal Shut-In	30 accessibility		MP/DST Disc	
		1.60		The state of the s
pproved By	THE REAL PROPERTY OF THE PROPE	Our Representative Bu	ميران بت	;



Palomino Petroleum, Inc.

16-9s-19w Rooks,KS

4924 SE 84th ST New ton KS 67114

Job Ticket: 47111

Arlene #1

DST#: 2

ATTN: Ken Wallace

Test Start: 2012.05.22 @ 14:45:30

#### **GENERAL INFORMATION:**

Formation:

KC"B-D"

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset) Tester: 59

Brett Dickinson

Time Tool Opened: 16:57:00 Time Test Ended: 20:32:00

Interval: Total Depth: 3307.00 ft (KB) To 3348.00 ft (KB) (TVD)

3348.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair Reference Elevations:

Unit No:

2074.00 ft (KB)

2069.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8369

Press@RunDepth:

Inside

27.68 psig @ 2012.05.22

3308.00 ft (KB)

2012.05.22

Capacity:

8000.00 psig

Start Date: Start Time:

14:45:35

End Date: End Time:

20:31:59

Last Calib.: Time On Btm:

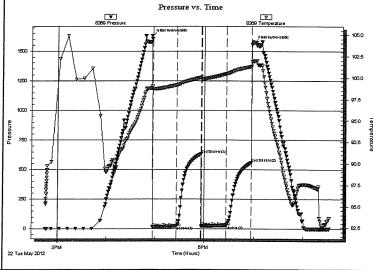
2012.05.22 2012.05.22 @ 16:55:30

Time Off Btm:

2012.05.22 @ 19:00:30

TEST COMMENT: IF-Very weak surface blow

ISI-No blow FF-No blow FSI-No blow



	DDECCURE CUMMADY							
	PRESSURE SUMMARY							
0	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
.5	0	1628.02	98.81	Initial Hydro-static				
.0	2	16.38	98.69	Open To Flow (1)				
	31	22.10	99.15	Shut-In(1)				
5	61	631.41	100.02	End Shut-In(1)				
Tem	62	23.53	99.87	Open To Flow (2)				
Temperature	91	27.68	100.45	Shut-In(2)				
ā	122	559.02	101.31	End Shut-In(2)				
1	125	1570.70	101.94	Final Hydro-static				
i								

#### Recovery

Length (ft)	Description	Volume (bbl)			
30.00	Oil spotted mud	0.15			
* Recovery from multiple tests					

G	as	Ra	les	

Printed: 2012.05.25 @ 09:42:07

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

Trilobite Testing, Inc Ref. No: 47111



Palomino Petroleum, Inc.

16-9s-19w Rooks,KS

4924 SE 84th ST New ton KS 67114

Arlene #1

Job Ticket: 47111

ATTN: Ken Wallace

Test Start: 2012.05.22 @ 14:45:30

**GENERAL INFORMATION:** 

Time Tool Opened: 16:57:00

Time Test Ended: 20:32:00

Formation:

KC"B-D"

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Reset)

DST#: 2

Tester:

Brett Dickinson

Unit No:

59

2074.00 ft (KB)

Reference Bevations:

2069.00 ft (CF)

5.00 ft

Interval: Total Depth:

3307.00 ft (KB) To 3348.00 ft (KB) (TVD)

Outside

3348.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

Serial #: 8319

Press@RunDepth:

psig @

3308.00 ft (KB)

2012.05.22

Capacity: Last Calib .: 8000.00 psig

Start Date:

2012.05.22 14:45:19 End Date:

20:31:43

Time On Btm:

2012.05.22

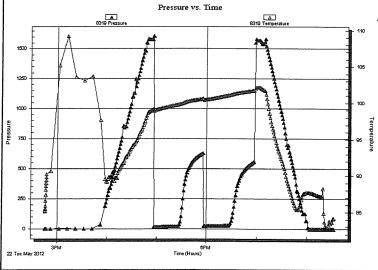
Start Time:

End Time:

Time Off Btm:

TEST COMMENT: IF-Very weak surface blow

ISI-No blow FF-No blow FSI-No blow



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

#### Recovery

Length (ft)	Description	Volume (bbl)			
30.00	Oil spotted mud	0.15			
* Recovery from multiple tests					

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

Trilobite Testing, Inc

Ref. No: 47111



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114

Arlene #1

Job Ticket: 47111

DST#: 2

ATTN: Ken Wallace

Test Start: 2012.05.22 @ 14:45:30

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3049.00 ft Diameter: ft Diameter: 3.80 inches Volume: 2.70 inches Volume: 42.77 bbl - bbl

Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb

Drill Collar: Length:

241.00 ft Diameter:

2.25 inches Volume: 1.19 bbl Total Volume: - bbl Weight to Pull Loose: 50000.00 lb Tool Chased

Drill Pipe Above KB: Depth to Top Packer:

6.00 ft 3307.00 ft

String Weight: Initial 41000.00 lb

Depth to Bottom Packer: Interval between Packers:

ft 41.00 ft Final 41000.00 lb

Tool Length:

64.00 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			3285.00		
Shut in Tool	5.00			3290.00		
Hydraulic tool	5.00			3295.00		
Safety Joint	2.00			3297.00		
Packer	5.00			3302.00	23.00	Bottom Of Top Packer
Packer	5.00			3307.00		
Stubb	1.00			3308.00		
Recorder	0.00	8369	Inside	3308.00		
Recorder	0.00	8319	Outside	3308.00		
Perforations	4.00			3312.00		
Change Over Sub	1.00			3313.00		
Drill Pipe	31.00			3344.00		
Change Over Sub	1.00			3345.00		
Bullnose	3.00			3348.00	41.00	Bottom Packers & Anchor

**Total Tool Length:** 

64.00

Trilobite Testing, Inc Ref. No: 47111 Printed: 2012.05.25 @ 09:42:08



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114 Arlene #1

Job Ticket: 47111

DST#: 2

ATTN: Ken Wallace

Test Start: 2012.05.22 @ 14:45:30

Mud and Cushion Information

Mud Type: Gel Chem

9 00 lb/gal

ohm.m

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

Water Salinity:

ppm

Viscosity: Water Loss: 49.00 sec/qt 6.77 in<sup>3</sup> Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

psig

ft

bbl

Resistivity: Salinity: Filter Cake:

1900.00 ppm inches

**Recovery Information** 

Recovery Table

Length ft Description Volume bbl

30.00 Oil spotted mud 0.148

Total Length:

30.00 ft

Total Volume:

0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

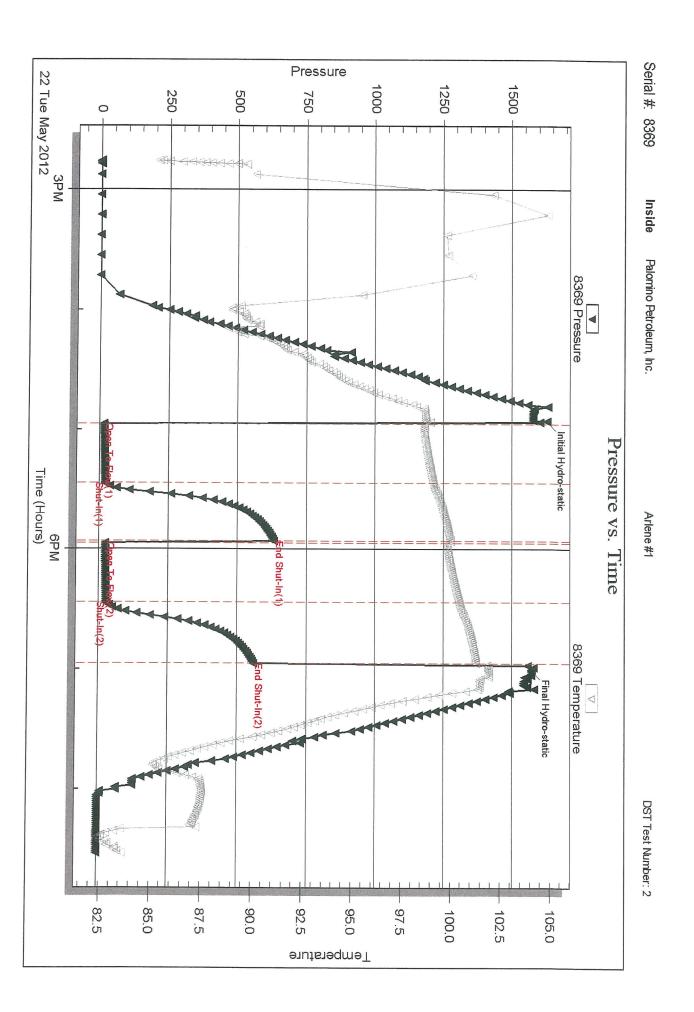
Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

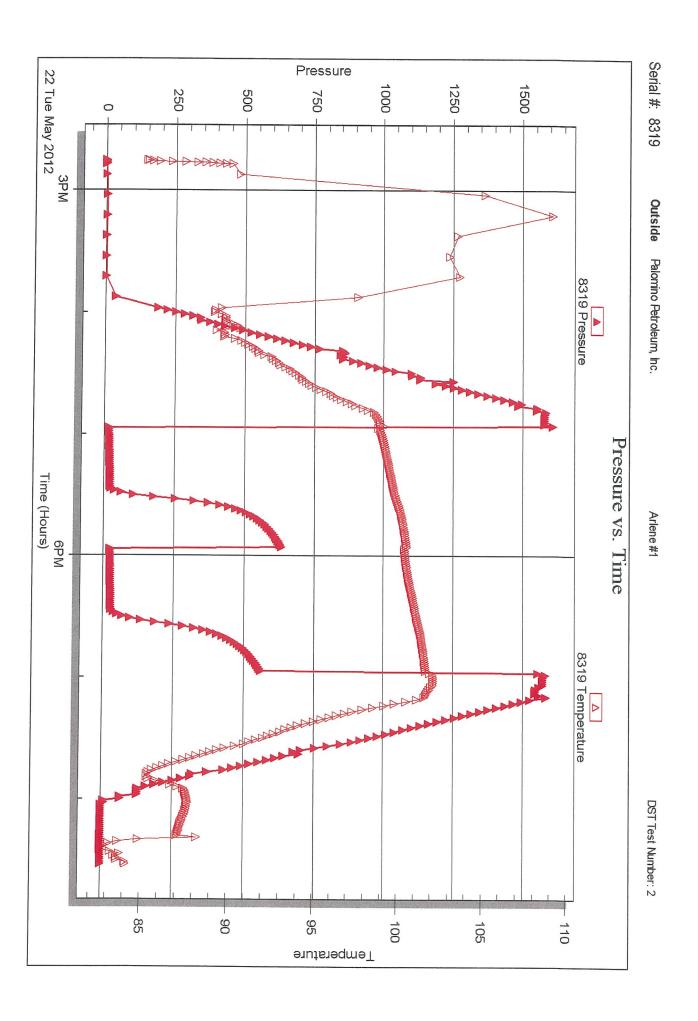
Ref. No: 47111



Trilobite Testing, Inc

Ref. No:

47111



Trilobite Testing, Inc

Ref. No: 47111



# RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## **Test Ticket**

NO. 47111

4/10					
Well Name & No. Arlone #/		Test No	2	Date 5 /22/	1/2
Company Palomino Petroleym	Inc	Elevation		Part take to Manage	The second secon
Address 4924 SE 8413 ST Nen	-		\$7.75 of 1 and an affiliance of the second	** · · · · · · · · · · · · · · · · · ·	
Co. Rep / Geo. Ken Wallace		Rig Ma	llard		Ad it is now that destination over constitution and a
Location: Sec. 16 Twp. 9	Rge /9		_	State K	
Interval Tested 3307-3348	Zone Tested 🗡	C"B-1	10 11		······································
Anchor Length 4/	Drill Pipe Run			Mud Wt. 9.0	ener e manta in spin in ingene de falle spin de fange of spin in energie engle engle engle engle engle engle e
Top Packer Depth 3302	Drill Collars Run			Vis 49	and the second s
Bottom Packer Depth 3307	Wt. Pipe Run			WL 6,8	New York Control of the Control of t
Total Depth 3348	Chlorides 198		ppm System	LCM /	and the first of the second se
Blow Description JF - Very week Sq.		~ <del>-</del>			try y takat (n. j. j d jin u n. du delja 21 natisk du d a koloven) jest kommune
251 - No blan	_				<ul> <li>A Collective Committee Appropriate Solida Appropriate Appropriate</li></ul>
FF. Nhlow				* 071 is 15 february	a para da anticipa de la compania del la compania de la compania del la compania de la compania del la compania de la compania de la compania de la compania de la compania del la co
#52 - N blow				· V	
Rec 30 Feet of Oil spotted	Mud	%gas	%oif	%water	%mud
Rec Feet of		%gas	%01	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%01	%water	%mud
Rec Feet of		%gas	%011	%water	%mud
Rec Total 30 BHT (0 /	Gravity A	PI RW	@ F	Chlorides	ppm
(A) Initial Hydrostatic 1628	Test 1150	w.v	T-On L	ocation 14:25	
(B) First Initial Flow	☐ Jars			ed 14:45	
(C) First Final Flow 22	Safety Joint 75		T-Oper	16:50	The state of the s
(D) Initial Shut-In 63 (	☐ Circ Sub		T-Pulle	· · · · · · · · · · · · · · · · · · ·	1. 15. 13.1114
(E) Second Initial Flow	☐ Hourly Standby		T-Out	20:30	
(F) Second Final Flow	Mileage 36X	2 111.60	Comm	ents	
(G) Final Shut-In 559	☐ Sampler			ni rima	
(H) Final Hydrostatic 1,5 7/	☐ Straddle		∐ Bu	ined Shale Packer	er utt i til odgi vin ellettillederjer skalen pila
7.7	☐ Shale Packer			ined Packer	
Initial Open 30	☐ Extra Packer			tra Copies	
Initial Shut-In 30	☐ Extra Recorder		Sub To		
Final Flow 3 U	☐ Day Standby			1336.60	<ul> <li>"Phillip I Hallings of Policies</li> </ul>
Final Shut-In	☐ Accessibility	in a		ST Disc't	The second secon
	Sub Total 1336.60	)			
Approved By	Our F	Representative	Bux I	Juli-	



Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114 Arlene #1 Job Ticket: 47112

DST#: 3

ATTN: Ken Wallace

Test Start: 2012.05.23 @ 02:55:00

#### **GENERAL INFORMATION:**

Formation:

KC "E"

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset) Tester:

Brett Dickinson

Time Tool Opened: 04:45:30 Time Test Ended: 08:20:30

Interval: Total Depth: 3345.00 ft (KB) To 3378.00 ft (KB) (TVD)

3378.00 ft (KB) (TVD)

Inside

Hole Diameter:

7.88 inches Hole Condition: Fair

Reference Elevations:

2074.00 ft (KB)

2069.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8369

Press@RunDepth:

511.31 psig @ 2012.05.23

3346.00 ft (KB) End Date:

Capacity: 2012.05.23 Last Calib.: 8000.00 psig

Start Date: Start Time:

02:55:05

End Time:

08:20:29

Time On Btm:

Unit No:

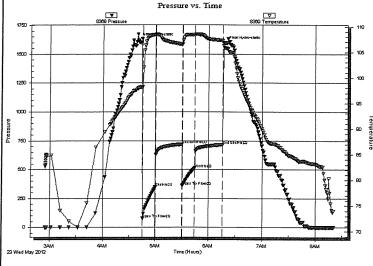
2012.05.23 2012.05.23 @ 04:40:00

Time Off Btm:

2012.05.23 @ 06:18:30

TEST COMMENT: IF-BOB in 2 min

ISI-No blow FF-BOB in 2.5 min FSI-No blow



ı	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1618.73	97.97	Initial Hydro-static
	6	76.82	98.26	Open To Flow (1)
	20	349.29	108.44	Shut-In(1)
	50	717.18	106.48	End Shut-In(1)
Tem	51	359.15	106.54	Open To Flow (2)
Tenwerature	65	511.31	108.43	Shut-ln(2)
3	96	713.41	107.25	End Shut-In(2)
	99	1595.39	105.78	Final Hydro-static
-				

Can Datas

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)				
890.00	w ater	10.29				
120.00	MCW 70%W 30%M	1.68				
50.00	Oil spotted WCM 40%W 60%M	0.70				
* Recovery from m	* Recovery from multiple tests					

Oas Mai	.63	
Choke (inches)	Proceure (neigh)	Gae Pato (Moffel)

Trilobite Testing, Inc Ref. No: 47112 Printed: 2012.05.25 @ 09:41:16



Palomino Petroleum, Inc.

16-9s-19w Rooks,KS

4924 SE 84th ST New ton KS 67114

Arlene #1 Job Ticket: 47112

DST#: 3

ATTN: Ken Wallace

Test Start: 2012.05.23 @ 02:55:00

**GENERAL INFORMATION:** 

Formation:

KC "E"

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Reset)

Tester:

Brett Dickinson

Unit No:

Reference Elevations:

2074.00 ft (KB) 2069.00 ft (CF)

5.00 ft

Interval:

Time Tool Opened: 04:45:30

Time Test Ended: 08:20:30

3345.00 ft (KB) To 3378.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 3378.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

Serial #: 8319

Press@RunDepth:

Outside

psig @

3346.00 ft (KB) End Date:

2012.05.23

Capacity: Last Calib.: 8000.00 psig

2012.05.23

End Time:

08:20:29

Time On Btm:

2012.05.23

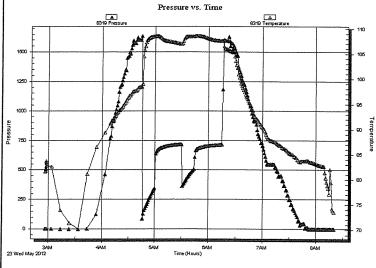
Start Date: Start Time:

02:56:35

Time Off Btm:

TEST COMMENT: IF-BOB in 2 min

ISI-No blow FF-BOB in 2.5 min FSI-No blow



PRESSURE S	SUMMARY
------------	---------

Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
1				
Ī				
i				
ı				

#### Recovery

Length (ft)	Description	Volume (bbl)
890.00	w ater	10.29
120.00	MCW 70%W 30%M	1.68
50.00	Oil spotted WCM 40%W 60%M	0.70
* Recovery from m	nultiple tests	

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 47112



Length:

## DRILL STEM TEST REPORT

**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114

Arlene #1

Job Ticket: 47112

DST#: 3

ATTN: Ken Wallace

Test Start: 2012.05.23 @ 02:55:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3110.00 ft Diameter: ft Diameter:

27.00 ft

ft

3.80 inches Volume: 2.70 inches Volume:

43.63 bbl - bbl 1.19 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb

2.25 inches Volume: Total Volume: - bbl

Weight to Pull Loose: 55000.00 lb Tool Chased

0.00 ft

String Weight: Initial 41000.00 lb

Final 49000.00 lb

Depth to Top Packer: 3345.00 ft Depth to Bottom Packer: Interval between Packers:

33.00 ft 54.00 ft

Number of Packers:

Drill Pipe Above KB:

2 Diameter:

241.00 ft Diameter:

6.75 inches

Tool Comments:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3325.00		
Shut In Tool	5.00			3330.00		
Hydraulic tool	5.00			3335.00		
Packer	5.00			3340.00	21.00	Bottom Of Top Packer
Packer	5.00			3345.00		
Stubb	1.00			3346.00		
Recorder	0.00	8369	Inside	3346.00		
Recorder	0.00	8319	Outside	3346.00		
Perforations	5.00			3351.00		
Perforations	24.00			3375.00		
Bullnose	3.00			3378.00	33.00	Bottom Packers & Anchor

Total Tool Length: 54.00

Trilobite Testing, Inc Ref. No: 47112 Printed: 2012.05.25 @ 09:41:17



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114

Arlene #1

ft

bbl

Job Ticket: 47112

DST#: 3

ATTN: Ken Wallace

Test Start: 2012.05.23 @ 02:55:00

#### **Mud and Cushion Information**

Mud Type: Gel Chem Mud Weight:

Viscosity:

Water Loss:

Filter Cake:

9.00 lb/gal

49.00 sec/qt 6.77 in<sup>3</sup>

Resistivity: ohm.m Salinity: 1900.00 ppm

inches

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure: psig Oil API: Water Salinity:

124000 ppm

deg API

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
890.00	w ater	10.289
120.00	MCW 70%W 30%M	1.683
50.00	Oil spotted WCM 40%W 60%M	0.701

Total Length: 1060.00 ft Total Volume: 12.673 bbl

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

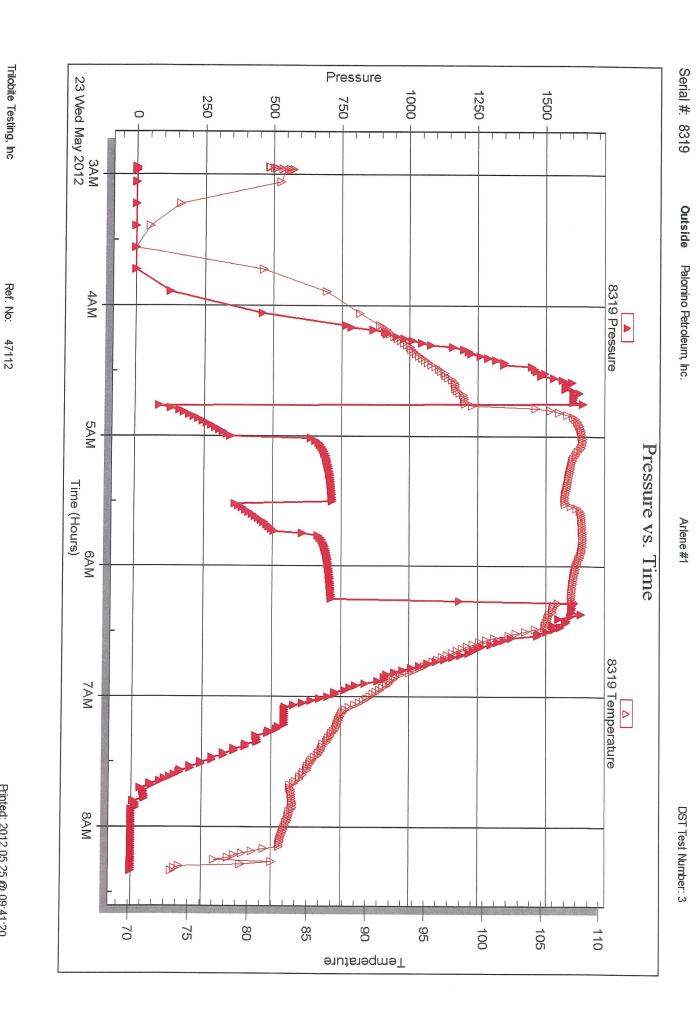
Laboratory Name: Laboratory Location:

Recovery Comments: RW.07@70

Trilobite Testing, Inc Ref. No: 47112 Printed: 2012.05.25 @ 09:41:19 Trilobite Testing, Inc

Ref. No:

47112





# RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## **Test Ticket**

NO. 47112

4/10					
Well Name & No. Arlege #1		Test No.	3	Date 5/23/	/ >
Company Palomino Petroley.	m. Inc	Elevation 2	074	KB 2069	
Address 4924 SE 8475 ST N	enton KS	57/14		NO	GL
Co. Rep/Geo. Ken Wallace		Rig Mall	and		that we require any any
Location. Sec. 16 Twp. 9	Rge. / 4	_ co. Book		State /	ς
Interval Tested 3345 - 3378	Zone Tested			orare A	Control of the Contro
Anchor Length 33		n 3110			
Top Packer Depth 3340				Mud Wt. 9.0	
Bottom Packer Depth 3345		Run 2 4 /		Vis 49	The second of th
Total Depth 3378	Wt. Pipe Run			WL 6-8	
Blow Description 2+ BOBin 2		900 ppm	n System	LCM /	
JSI Noblew					
FF- BOB's 2					to a compared to the second distribution of the second distributions and the second distributions are second to the second distributions and the second distributions are second as the second distributions are second as the second distributions are second as the second distribution are second as the second distributions are second as the second distribution are second distributions are second distributions.
FSI - No blow	,	* APT-SETTING A Parameter and a set of the s			
Rec 50 Feet of oil sport =	4	%gas	%oil	40 %water 6	C) 0/ pauc
Rec 120 Feel of Mcn	, ,	%gas	%oil	70 %water 3	
Rec 890 Feet of Water		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oıl	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total / 060 BHT 10 7	フ Gravity	APIRW ,076	70 °F	Chlorides /24,80	
(A) Initial Hydrostatic 1,619.	Test 1150			ocation 2,40	
(B) First Initial Flow	Jars		T.0	d 2,55	
(C) First Final Flow 349	Safety Joint		T-Open	4:40	
(D) Initial Shut-In 217	☐ Circ Sub		T-Pulled		· · · · · · · · · · · · · · · · · · ·
(E) Second Initial Flow 359	니 Hourly Standt	by	T-Out	8,20	The state of place and an extract front more containing and
(F) Second Final Flow 5 / /	$\angle$ Mileage $3$	(XZ 111.60	Comme	nts	and a second of the second of
(G) Final Shut-In 7/3	☐ Sampler	7 0			V. Produktika kilo oleh <b>ilika kenara</b> kelalangan di kenara kelalangan berasara kelala
(H) Final Hydrostatic 1,595	□ Straddle		i I Done	and Chair Barbar	The state of the s
	☐ Shale Packer			ned Shale Packer	***************************************
Initial Open 15	☐ Extra Packer			ned Packer	vi 1970 var i in riversament kantrigiturari kristilijir att diselektromiti.
Initial Shut-In 30	☐ Extra Recorde		Sub Tota	a Copies	ti kar adada ila maja enganjar kida kanangan sistipadi ila kida na maja na sistipadi ila kida, nambaga
Final Flow	☐ Day Standby		Total	1336.60	17 mm - 100000 Lord Shellistinaning
Final Shut-In	☐ Accessibility	6		T Disc't	december of the second control of the second
	Sub Total 133		700	. 2.000	* *0.1 or Anny Million in the project of Mark Anny Market on 1999 and 1999
Approved By		Our Representative	FER D.	med	
Tribabile Testing to a shall not be follows to a second of the state		the off score -		and the second s	The same that the same to be a second or the sam



Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114 Arlene #1 Job Ticket: 47113

DST#: 4

ATTN: Ken Wallace

Test Start: 2012.05.23 @ 19:35:00

#### **GENERAL INFORMATION:**

Formation:

KC

Deviated:

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 22:19:00 Time Test Ended: 02:07:30

Tester: Unit No: Brett Dickinson

Interval:

Total Depth:

3396.00 ft (KB) To 3480.00 ft (KB) (TVD)

Reference Elevations:

2074.00 ft (KB) 2069.00 ft (CF)

3480.00 ft (KB) (TVD)

KB to GR/CF:

5.00 ft

Hole Diameter:

7.88 inchesHole Condition: Fair

Serial #: 8369 Press@RunDepth: Inside

95.47 psig @

3397.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2012.05.23 19:35:05

End Date: End Time: 2012.05.24 02:07:29 Last Calib.:

2012.05.24

Time On Btm:

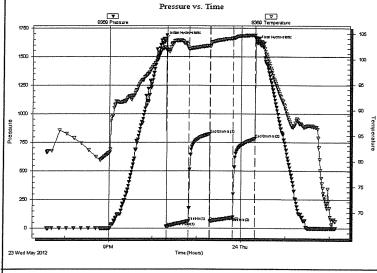
2012.05.23 @ 22:17:30

Time Off Btm:

2012.05.24 @ 00:21:00

TEST COMMENT: IF-3" blow

ISI-No blow FF-1" blow FSI-No blow



PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	1657.97	102.25	Initial Hydro-static		
	2	16.06	101.63	Open To Flow (1)		
	32	60.89	101.96	Shut-In(1)		
	60	825.22	102.62	End Shut-In(1)		
Tem	61	63.30	102.55	Open To Flow (2)		
Temperature	91	95.47	104.01	Shut-ln(2)		
ē	121	784.32	104.67	End Shut-In(2)		
	124	1620.97	104.03	Final Hydro-static		

## Recovery Length (ft) Description Volume (bbl) 135.00 VSWCM 5%W 95%M 0.66 Recovery from multiple tests

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

Trilobite Testing, Inc

Ref. No: 47113



Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114

Arlene #1

Job Ticket: 47113

DST#: 4

ATTN: Ken Wallace

Test Start: 2012.05.23 @ 19:35:00

**GENERAL INFORMATION:** 

Time Tool Opened: 22:19:00

Time Test Ended: 02:07:30

Formation:

KC

Deviated:

No

Whipstock:

ft (KB)

Conventional Bottom Hole (Reset)

Brett Dickinson Tester:

Unit No:

2074.00 ft (KB)

2069.00 ft (CF)

Reference Bevations:

5.00 ft

Total Depth: Hole Diameter:

Interval:

Start Date:

Start Time:

3396.00 ft (KB) To 3480.00 ft (KB) (TVD) 3480.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

Serial #: 8319

Press@RunDepth:

Outside

psig @

3397.00 ft (KB)

2012.05.24

Capacity:

8000.00 psig

2012.05.24

Last Calib.:

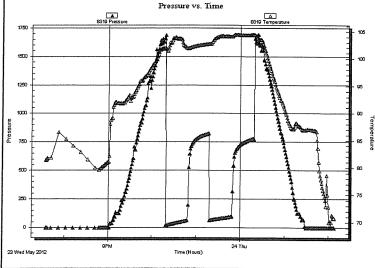
2012.05.23 19:35:05 End Date: End Time:

02:07:29

Time On Btm: Time Off Btm:

TEST COMMENT: IF-3" blow

ISI-No blow FF-1" blow FSI-No blow



-		<del> </del>		
5	Time	Pressure	Temp	Annotation
0	(Min.)	(psig)	(deg F)	
	(10111.)	(baid)	(ueg r)	
0				
		i		
ᅙ		ĺ		
Temperature				
ratu				
ã				
		-		

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
135.00	VSWCM 5%W 95%M	0.66
* Recovery from n	nultiple tests	

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

Trilobite Testing, Inc Ref. No: 47113 Printed: 2012.05.25 @ 09:40:37



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114 Arlene #1

Job Ticket: 47113

DST#: 4

ATTN: Ken Wallace

Test Start: 2012.05.23 @ 19:35:00

Tool Information

Drill Collar:

Drill Pipe: Length: 3145.00 ft Diameter: Heavy Wt. Pipe: Length:

ft Diameter: 241.00 ft Diameter:

3.80 inches Volume: 2.70 inches Volume: 2.25 inches Volume:

Total Volume:

44.12 bbl - bbl 1.19 bbl

- bbl

Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 45000.00 lb Tool Chased 0.00 ft

String Weight: Initial 41000.00 lb

41000.00 lb Final

Drill Pipe Above KB: Depth to Top Packer:

11.00 ft 3396.00 ft ft

2

Depth to Bottom Packer: Interval between Packers: 84.00 ft 105.00 ft Tool Length:

Length:

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			3376.00		
Shut In Tool	5.00			3381.00		
Hydraulic tool	5.00			3386.00		
Packer	5.00			3391.00	21.00	Bottom Of Top Packer
Packer	5.00			3396.00		· · · · · · · · · · · · · · · · · · ·
Stubb	1.00			3397.00		
Recorder	0.00	8369	Inside	3397.00		
Recorder	0.00	8319	Outside	3397.00		
Perforations	5.00			3402.00		
Change Over Sub	1.00			3403.00		
Drill Pipe	62.00			3465.00		
Change Over Sub	1.00			3466.00		
Perforations	11.00			3477.00		
Bullnose	3.00			3480.00	84.00	Bottom Packers & Anchor

**Total Tool Length:** 105.00

Trilobite Testing, Inc. Ref. No: 47113 Printed: 2012.05.25 @ 09:40:38



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

16-9s-19w Rooks,KS

4924 SE 84th ST New ton KS 67114 Arlene #1

Job Ticket: 47113

DST#: 4

ATTN: Ken Wallace

Test Start: 2012.05.23 @ 19:35:00

#### Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity:

49.00 sec/qt 7.59 in<sup>3</sup>

ohm.m

Water Loss: Resistivity:

Salinity: 2700.00 ppm Filter Cake: inches Cushion Type:

Cushion Length:

ft Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig Oil API:

Water Salinity:

deg API

50000 ppm

### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
135.00	VSWCM 5%W 95%M	0.664

Total Length:

135.00 ft

Total Volume:

0.664 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

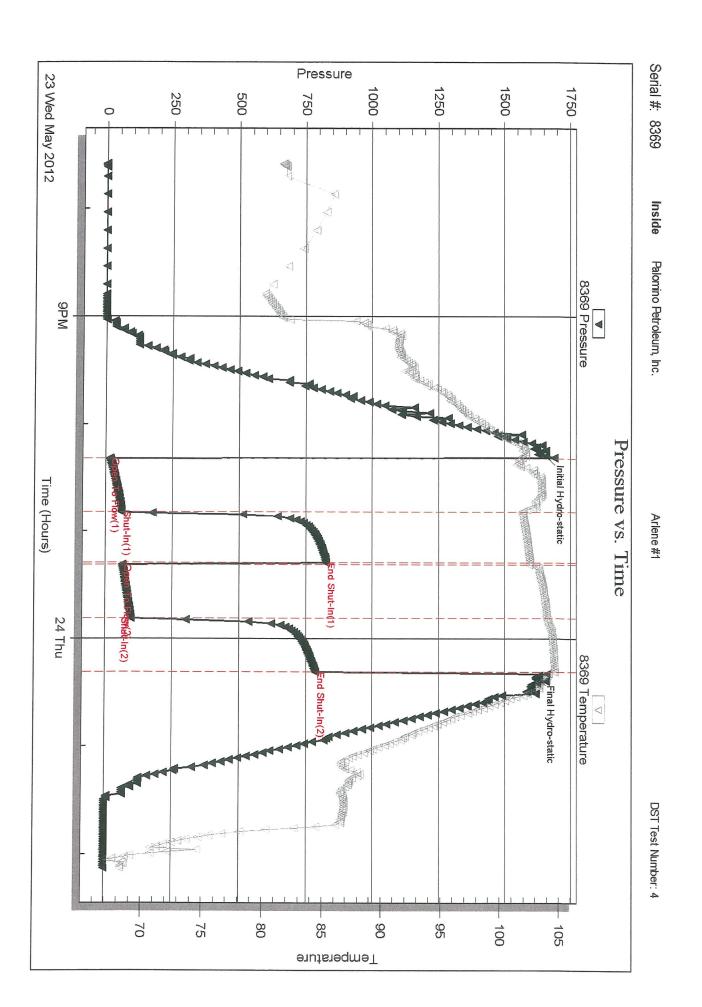
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .18@60

Trilobite Testing, Inc

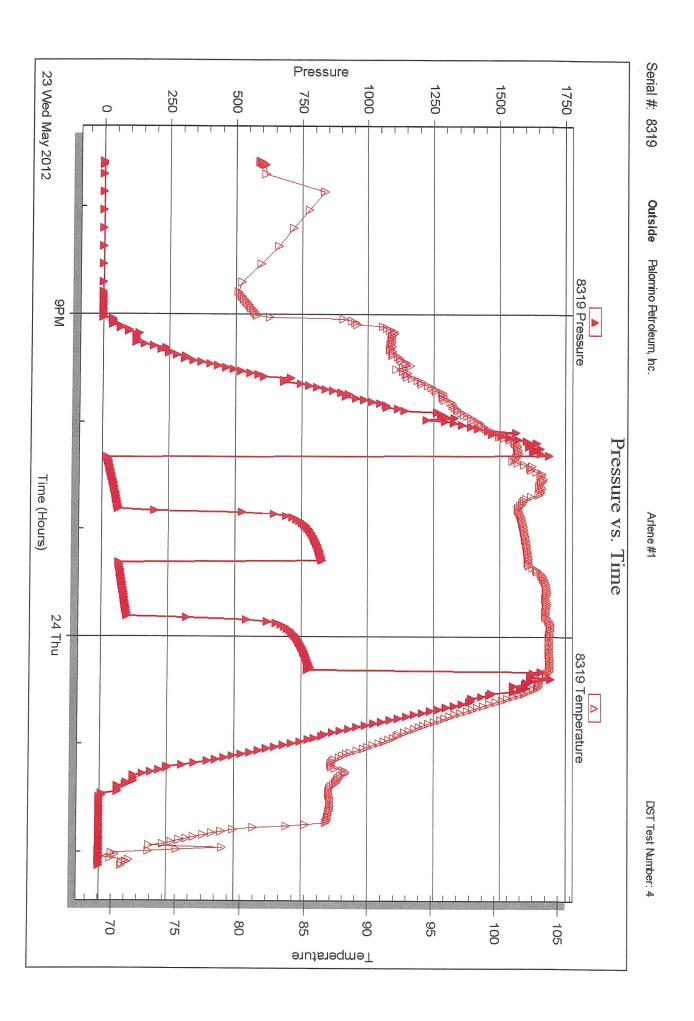
Ref. No: 47113



Trilobite Testing, Inc

Ref. No:

47113



Trilobite Testing, Inc

Ref. No: 47113



## RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## **Test Ticket**

NO. 47113

Well Name & No. Ar lene #/		Test No 4		Date $5/23/$	42
Company Palamina Petroleum	Inc.			The same of the sa	The same of the sa
Address 4924 SE 8474 ST New			e de la companya de l		William GL
Co. Rep/Geo. Ken Wallace		Rig Malla			* * V * V * 1 = 1 Excellentify (A) And where (A) Profession
Location: Sec. 16 Twp. 9	Rge. 19	co. Rooks	•	Charles A	
		4		State &	>
Interval Tested 33 96 - 3 4 8 0	Zone Tested	•	* *************************************		
Anchor Length 84	Drill Pipe Run	3145	M	lud Wt. 7, /	
Top Packer Depth 339/	Drill Collars R	un 24/	V	is 49	m data di Makadinaka mangka panaka kanaka kanaka
Bottom Packer Depth 3396	Wt. Pipe Run		W	n 7. C	
Total Depth 3490	Chlorides 2	,700 ppm		СМ	
Blow Description 7F - 3. a 56 -					
751-NO 510-				une la Hallanderper une e	
FF-lin blow				1 1 11 4 1000 11	A second
752-Noblew			to addition to the advantageous	What was a second secon	- market is a reason of the property of the pr
Rec 135 Feet of VSWCM	* The control of the	%gaş	%oil	5 %water 5	3 %mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of	Mark the second	%gas	%oil	%water	%mud
Rec Total 135 BHT 105	Gravity	APIRW ${\mathcal A}_{\widehat{g}}$	60 °FC		
(A) Initial Hydrostatic 1,65 8	Test 1150			ation 19,35	
(B) First Initial Flow	√ ☐ Jars		T-Started	19:35	****
(C) First Final Flow	Safety Joint	75	T-Open	22:20	
(D) Initial Shut-In	☐ Circ Sub	· ·	T-Pulled	00,20	
(E) Second Initial Flow6 }	☐ Hourly Standb		T-Out	2:10	estimate to the majority impossible magazine considerate.
(F) Second Final Flow	Mileage 36		Comment	\$	
G) Final Shut-In 784		111.60	14 m	* ** · · · · · · · · · · · · · · · · ·	er ar verk och rederskabeljenskringspillete samhenjennale.
H) Final Hydrostatic // 62/	☐ Sampler				
The final rigurostatic / / / / 2 /	☐ Straddle	Mary American	☐ Ruine	d Shale Packer	
30	☐ Shale Packer	444444444444444444444444444444444444444	☐ Ruine	d Packer	roder a road studentiske had vine e <b>nemen o</b> nto de generouwenhad.
nitial Open 30	<ul><li>Extra Packer</li></ul>	ner i Hatterteinidele omentanische in sein	☐ Extra	Copies	The state of the s
nitial Shut-In 30	<ul> <li>Extra Recorder</li> </ul>	r	Sub Total		
Final Flow	☐ Day Standby _	em en	Total 13	336.60	
Final Shut-In	☐ Accessibility _	Million for the contract of th	MP/DST	Disc't	
	Sub Total 1336	.60			
approved By	(	Our Representative 2	3. Th D		



Palomino Petroleum, Inc.

16-9s-19w Rooks,KS

4924 SE 84th ST New ton KS 67114 Arlene #1 Job Ticket: 47114

DST#: 5

ATTN: Ken Wallace

Test Start: 2012.05.24 @ 13:50:30

**GENERAL INFORMATION:** 

Time Tool Opened: 15:56:30

Time Test Ended: 19:09:30

Formation:

Arbuckle

Deviated:

No

Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole (Reset)

Tester:

Brett Dickinson

Unit No:

2074.00 ft (KB)

Reference Elevations:

2069.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth:

Hole Diameter:

3482.00 ft (KB) To 3559.00 ft (KB) (TVD)

3559.00 ft (KB) (TVD)

Inside

7.88 inches Hole Condition: Fair

Serial #: 8369

Press@RunDepth:

36.77 psig @ 2012.05.24

3483.00 ft (KB)

2012.05.24

Capacity: Last Calib.:

8000.00 psig 2012.05.24

Start Date: Start Time:

13:50:35

End Date: End Time:

19:09:29

Time On Btm:

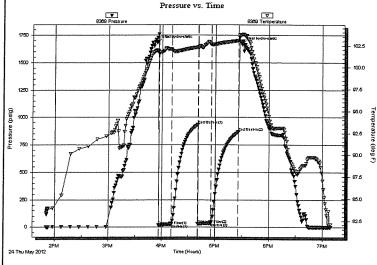
2012.05.24 @ 15:54:30

Time Off Btm:

2012.05.24 @ 17:29:30

TEST COMMENT: IF-3/4" blow

ISI-No blow FF-No blow FSI-No blow



		1 1	LOCOIN	L GOMMAN
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1683.29	101.93	Initial Hydro-static
	2	17.96	101.57	Open To Flow (1)
	17	26.90	102.02	Shut-In(1)
7	46	934.42	102.29	End Shut-In(1)
empe	47	30.07	102.19	Open To Flow (2)
Temperature (deg F)	61	36.77	102.63	Shut-In(2)
(deg	92	868.37	103.04	End Shut-In(2)
J	95	1669.07	103.72	Final Hydro-static

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud	0.15
····		
Recovery from m	ultiple tests	

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 47114



Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114

Arlene #1

Job Ticket: 47114

DST#: 5

ATTN: Ken Wallace

Test Start: 2012.05.24 @ 13:50:30

GENERAL INFORMATION:

Time Tool Opened: 15:56:30

Time Test Ended: 19:09:30

Formation:

Arbuckle

Deviated:

No

Whipstock:

ft (KB)

Conventional Bottom Hole (Reset)

Tester:

Brett Dickinson

Unit No:

2074.00 ft (KB) 2069.00 ft (CF)

Reference Elevations:

Total Depth: Hole Diameter:

Interval:

3482.00 ft (KB) To 3559.00 ft (KB) (TVD)

3559.00 ft (KB) (TVD)

Outside

7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8319

Press@RunDepth:

psig @

3483.00 ft (KB)

2012.05.24

Capacity: Last Calib.: 8000.00 psig

Start Date:

2012.05.24

End Date: End Time:

19:09:29

Time On Btm:

2012.05.24

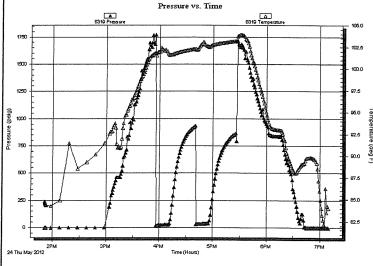
Start Time:

13:51:05

Time Off Btm:

TEST COMMENT: IF-3/4" blow

ISI-No blow FF-No blow FSI-No blow



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

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud	0.15
* Recovery from m	utinle tests	

Gas	Rates
Oas.	l vales

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

Trilobite Testing, Inc

Ref. No: 47114



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114

Job Ticket: 47114

Arlene #1

DST#: 5

ATTN: Ken Wallace

Test Start: 2012.05.24 @ 13:50:30

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3236.00 ft Diameter:

ft Diameter:

3.80 inches Volume: 2.70 inches Volume:

2.25 inches Volume:

45.39 bbl - bbl 1.19 bbl Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 45000.00 lb 0.00 ft

Total Volume: Tool Chased - bbi

String Weight: Initial 42000.00 lb

42000.00 lb Final

Drill Pipe Above KB: 16.00 ft Depth to Top Packer:

3482.00 ft

241.00 ft Diameter:

Depth to Bottom Packer: ft Interval between Packers: 77.00 ft

Length:

Tool Length: Number of Packers:

Drill Collar:

98.00 ft

2

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3462.00		
Shut In Tool	5.00			3467.00		
Hydraulic tool	5.00			3472.00		
Packer	5.00			3477.00	21.00	Bottom Of Top Packer
Packer	5.00			3482.00		
Stubb	1.00			3483.00		
Recorder	0.00	8369	Inside	3483.00		
Recorder	0.00	8319	Outside	3483.00		
Perforations	7.00			3490.00		
Change Over Sub	1.00			3491.00		
Drill Pipe	63.00			3554.00		
Change Over Sub	1.00			3555.00		
Perforations	1.00			3556.00		
Bullnose	3.00			3559.00	77.00	Bottom Packers & Anchor

**Total Tool Length:** 

98.00

Trilobite Testing, Inc Ref. No: 47114 Printed: 2012.05.25 @ 09:39:04



**FLUID SUMMARY** 

deg API

ppm

Palomino Petroleum, Inc.

16-9s-19w Rooks, KS

4924 SE 84th ST New ton KS 67114 Arlene #1

Job Ticket: 47114

DST#: 5

ATTN: Ken Wallace

Test Start: 2012.05.24 @ 13:50:30

Oil API:

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem

Mud Weight:

Filter Cake:

9.00 lb/gal

Viscosity: 49.00 sec/qt Water Loss: 7.59 in<sup>3</sup>

Resistivity: ohm.m Salinity: 2700.00 ppm

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure: p

psig

ft

bbl

Recovery Information

Recovery Table

Length ft Description Volume bbl

30.00 mud 0.148

Total Length:

inches

30.00 ft

Total Volume:

0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

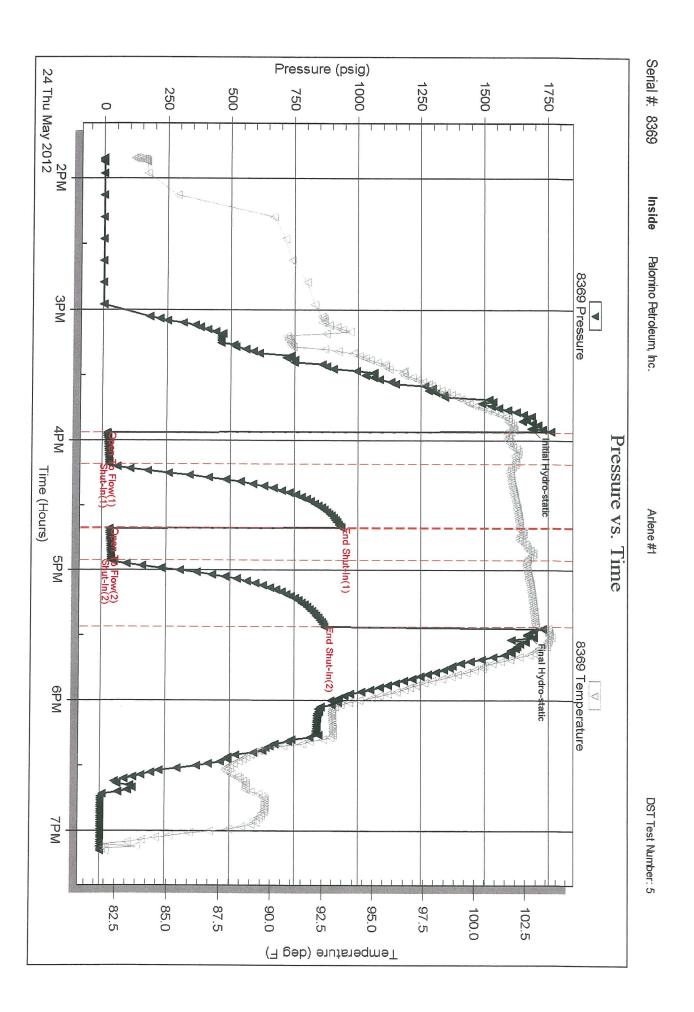
Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

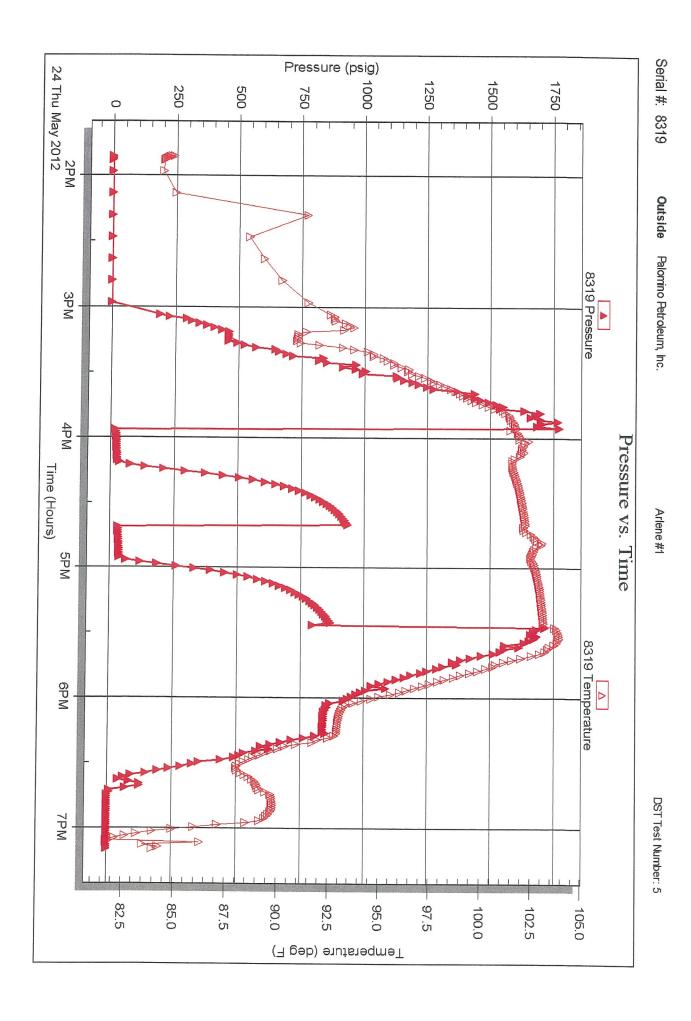
Ref. No: 47114



Trilobite Testing, Inc

Ref. No:

47114



Trilobite Testing, Inc

Ref. No: 47114



## RILOBITE ESTING INC.

P.O. Box 1733 • Havs Kansas 67601

## Test Ticket

NO. 47114

4/10	17dy3, 11d1/3d3-07001				
Well Name & No. Avlene #/		Test No. 3		Date 5 /29	1/12
Company Palemino Petrole	um, Inc.	Elevation _2	074	KB 2069	GL
Address 4924 SE 8475 ST			·		
Co. Rep/Geo. Ken Wallace		Rig Ma (	'ard		
Location: Sec. 16 Twp 9	Rge. <b>/</b> 9	Co. Rooks		State 15	1
Interval Tested 3482 - 3559	Zone Tested	4-6		net THE CHARLE AND	
Anchor Length 27		3236	Mı	id WI. 9. 1	vidilitet di avant transferiat di diagnica materiale di dia di diamenana
Top Packer Depth 3477	Onll Collars Rur			49	
Bottom Packer Depth 3482	Wt. Pipe Run			. 7.6	o Pri Politica de la Companio del Companio del Companio de la Companio del Companio de la Companio de la Companio de la Companio del Companio de la Companio
Total Depth 3559		7 <i>00</i> ppr		M	tin elemente et al. 12 metro el elemente en elemental film ejectifició de del desemble
Blow Description IF- 3/4 in 66			.,	Model for Sectional International Communication of the Communication of	
ISI - Noblow		* * * * * * * * * * * * * * * * * * *		** ** **** ****	etti Villa kala di mengga Paga Villa man yaya matagatatan di dalam sada kala yayin yang
FF- N blow					by memory and their visitions and company and
FSI- N blow		Andread Andread and a second			Colombian (1973 - Palitan politicis plan plantister proposer custo
Rec 30 Feet of MucO		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of	**************************************	%gas	%oil	%water	%mud
RecFeet of	· ·	%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total 30 BHT 103	S Gravity	APIRW @	⊕ °F CI	nlorides	ppm
(A) Initial Hydrostatic	Y <sub>Test</sub> 1150	**************************************		ion 13,50	
(B) First Initial Flow	☐ Jars	1 444 - 1440	T-Started	13:50	)
(C) First Final Flow	Safety Joint	75	T-Open	15,25	
(D) Initial Shut-In 939	☐ Circ Sub		T-Pulled	17:23	
E) Second Initial Flow 30	☐ Hourly Standby		T-Out	19:05	
F) Second Final Flow 3	Mileage 3€	+ 2 111.60	Comments	dellamentata aphindipuntation production opposition (0.000) to 100 years (0.000) and the color	
G) Final Shut-In 36.8	☐ Sampler		. • w.		
H) Final Hydrostatic/ 669	☐ Straddle		1 Runer	Shale Packer	The second of th
	☐ Shale Packer				
nitial Open 16	☐ Extra Packer			Packer	
nitial Open	☐ Extra Recorder		☐ Extra C Sub Total	opies 0	And and Microsoft demonstrately appropriately
Final Flow	☐ Day Standby	· · · · · · · · · · · · · · · · · · ·	Total 133	Visit at a	
Final Shut-In 30	☐ Accessibility		MP/DST I		AND THE PROPERTY OF THE PARTY AND THE PARTY
	Sub Total 1336.60				
opproved By	OL	r Representative			