

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1265456

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				
Address 2:			F6	eet from North / Se	outh Line of Section		
City: S	tate: Z	ip:+	Fe	eet from East / W	lest Line of Section		
Contact Person:			Footages Calculated from	Nearest Outside Section Cor	rner:		
Phone: ()			□ NE □ NW	V □SE □SW			
CONTRACTOR: License #			GPS Location: Lat:	, Long:			
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxxx)		
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84			
Purchaser:			County:				
Designate Type of Completion:			Lease Name:	Well	l #:		
	e-Entry	Workover	Field Name:				
	_	_	Producing Formation:				
☐ Oil ☐ WSW ☐ D&A	☐ SWD	□ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _			
OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total Dep	oth:		
CM (Coal Bed Methane)	_ dow	тетір. дай.	Amount of Surface Pipe Se	et and Cemented at:	Feet		
Cathodic Other (Con	re, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes N	No		
If Workover/Re-entry: Old Well In			If yes, show depth set:		Feet		
Operator:			If Alternate II completion, of	cement circulated from:			
Well Name:			feet depth to:	w/	sx cmt.		
Original Comp. Date:	Original T	otal Depth:					
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan			
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t				
Commingled	Dormit #		Chloride content:	ppm Fluid volume: _	bbls		
Dual Completion			Dewatering method used:				
SWD			Location of fluid disposal if	i hauled offsite:			
☐ ENHR			Loodiion of haid diopodal in	nation office.			
GSW	Permit #:		Operator Name:				
_ _				License #:			
Spud Date or Date Re	ached TD	Completion Date or	Quarter Sec	TwpS. R	East _ West		
Recompletion Date		Recompletion Date	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 I II Approved by: Date:							

Page Two



Operator Name:				Lease N	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres o surface test, along	sures, whethe with final cha	er shut-in pre art(s). Attach	essure reac n extra shee	hed stati t if more	c level, hydrosta space is neede	itic pressures, bot d.	tom hole temp	erature, fluid re	ecovery,
Final Radioactivity Lo files must be submitte						ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electr	ronic log
Drill Stem Tests Taker (Attach Additional		Yes	☐ No				on (Top), Depth ar		Sampl	
Samples Sent to Geo	logical Survey	Yes	□No		Nam	е		Тор	Datum	1
Cores Taken Electric Log Run		☐ Yes ☐ Yes	☐ No ☐ No							
List All E. Logs Run:										
				RECORD	Ne					
	2	1				ermediate, product		T	I	
Purpose of String	Size Hole Drilled		Casing n O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Pe Additive	
			ADDITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of	Cement	# Sacks Used Type and Percent Additives						
Perforate Protect Casing	100 20111111									
Plug Back TD Plug Off Zone										
1 lug 011 20110										
Did you perform a hydrau	ulic fracturing treatment	on this well?				Yes	No (If No, ski	ip questions 2 ar	nd 3)	
Does the volume of the t							= :	p question 3)		
Was the hydraulic fractur	ring treatment information	on submitted to	the chemical	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ION RECORD Footage of Eac					cture, Shot, Cement			epth
	open,					,,				
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or Ef	NHR. F	Producing Met	hod: Pumpin	a \square	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat			Gas-Oil Ratio	Gra	avity
	1									
	ON OF GAS:		en Hole	METHOD OF			mmingled	PRODUCTION	ON INTERVAL:	ļ
Vented Solo	I Used on Lease bmit ACO-18.)		en noie _	Perf.	(Submit		mmingled mit ACO-4)			

Form	CO1 - Well Completion					
Operator	alomino Petroleum, Inc.					
Well Name	Parsons 1					
Doc ID	265456					

Tops

Name	Тор	Datum
Anhy.	2467	(+507)
Base Anhy.	2491	(+483)
Heebner	3979	(-1005)
Lansing	4022	(-1048)
Muncie Creek	4169	(-1195)
Stark	4249	(-1275)
Hushpuckney	4284	(-1300)
ВКС	4321	(-1347)
Marmaton	4364	(-1390)
Pawnee	4459	(-1485)
Ft. Scott	4485	(-1511)
Cherokee Sh.	4507	(-1533)
Miss.	4643	(-1669)
LTD	4752	(-1788)



QUALITY OILWELL CEMENTING, INC. PO Box 32 - 740 West Wichita Ave, Russell KS 67665

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net Date: 9/1/2015 Invoice # 1031

P.O.#:

Due Date: 10/1/2015 **Division:** *Russell*

Invoice

Contact:

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

SEP 0 4 2015

Reference:

PARSONS 1

Description of Work:

SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	ltem .	Quantity	Price	Taxable
COLVICOO / ICOLLIC III CIGGOG.	Quarterly		TUNUDIC	icom	Quantity	1 1100	Taxable
Labor		\$ 644.02	No				
Common-Class A	120	\$ 1,755.45	Yes				
Calcium Chloride	6	\$ 294.30	Yes				
POZ Mix-Standard	30	\$ 185.06	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 140.12	No				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 77.55	No				•
Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$ 49.35	No				
Premium Gel (Bentonite)	3	\$ 43.04	Yes				

Invoice Terms:		SubTotal:	\$ 3,188.89
Net 30	Discount Available <u>ONLY</u> if Invoice is Pai within listed ten	d & Received ns of invoice:	\$ (79.72)
	SubTotal fo	r Taxable Items:	\$ 2,220.91
	SubTotal for Nor	ı-Taxable Items:	\$ 888.26
		Total:	\$ 3,109.17
	8.50% Gove County Sales Tax	Tax:	\$ 188.78
Thank You For Your Business!		Amount Due:	\$ 3,297.95
	A II	al Daymanaaa	

Applied Payments:

Balance Due: \$ 3,297.95

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 CILWELL CEMERTING, 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. 1031

	Sec.	Twp.	Range	C	County	State	On Location	Finis	
Date 9-1-15	8	13	30	Co	ve	KS.		8:30	PM
	. !	<u> </u>		Location	on Oakle	1 125 S A	y Quail-Rd	33 E	_/V isi
Lease Parsons			Well No. # (Owner				
Contractor WW #1	6				To Quality O	ilwell Cementing, Inc. by requested to rent	cementina eauipmen	nt and furnis	sh
Type Job Surface	r		•		cementer an	d helper to assist ow	ner or contractor to d	o work as l	isted.
Hole Size /2 1/4		T.D.	218'		Charge P	lomino Pe	froleum Li	ic	
Csg. 8 5/8		Depth	218'		Street		·		
Tbg. Size		Depth			City		State		
Tool		Depth			The above wa	as done to satisfaction a			ntractor.
Cement Left in Csg.		Shoe J			Cement Amo	ount Ordered 150	contro 3%	<u>cc 2%</u>	1 Cel
Meas Line		Displac	ce 12 3/4 k	26/	,				
	EQUIPN	/ENT			Common /	20	-		
Pumptrk 20 No. Ceme Helper	r / V	ick			Poz. Mix	30.			
Bulktrk 2 / No. Driver Driver	10	C4 4			Gel.	3			
Bulktrk PU No. Driver		eft			Calcium &	6			
JOB SE	RVICES	& REMA	RKS		Hulls			1.1	
Remarks:	5.1		^		Salt				
Rat Hole					Flowseal				·
Mouse Hole	4				Kol-Seal				
Centralizers					Mud CLR 48				
Baskets					CFL-117 or CD110 CAF 38				
D/V or Port Collar		.4400gg			Sand				
				à.	Handling 159				
					Mileage				
						FLOAT EQUIPM	ENT	.	
					Guide Shoe			:	
			,		Centralizer				
	. in-				Baskets		·		······································
Cemen	<u>/ </u>				AFU Inserts				
					Float Shoe				
	1			1	Latch Down				
Cir	- /	afe							

					Pumptrk Ch	arge Surface			
		, 1			Mileage	16			
				· ·	•		Tax		
TA A	1						Discount	t l	
X Signature		12			1		Total 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: 9/10/20⁻¹ Invoice # 1623

Date: 9/10/2015 RECEIVED

P.O.#:

Balance Due: \$

4,049.81

SEP 1 2 2015

Due Date: 10/10/2015 **Division:** *Russell*

Invoice

Contact:

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

Reference:

PARSONS 1

Description of Work:

Bulk Truck Mileage-Job to Nearest Bulk Plant

PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 628.31	Yes				_
Common-Class A	144	\$ 2,055.16	Yes				1
POZ Mix-Standard	96	\$ 577.76	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 214.08	Yes				1
Premium Gel (Bentonite)	9	\$ 125.97	Yes				1
Flo Seal	60	\$ 103.17	Yes				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 75.66	Yes				

Invoice Terms:		SubTotal:	\$ 3,828.25
Net 30	Discount Available <u>ONLY</u> if Invoice is within listed	Paid & Received terms of invoice:	\$ (95.71)
	SubTota	al for Taxable Items:	\$ 3,732.55
	SubTotal for	Non-Taxable Items:	\$
		Total:	\$ 3,732.54
	8.50% Gove County Sales Tax	Tax:	\$ 317.27
Thank You For Your Business!		Amount Due:	\$ 4,049.81
	Ар	plied Payments:	

48.15

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 CILWELL 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. 1623

9-10-15 Sec.	Twp. Range	County	State	On Location	Finish 10°15 AW
Date 10-12 8	13 31	Gove	1 05		OI SVE
Parsons		Location Oak		to Quail	Kd, 53E
Lease	Well No.	Owner To Ovolity	Oilwell Cementing, In	20	
Contractor WW6		You are he	reby requested to re	nt cementing equipm	ent and furnish
Type Job Plug			and helper to assist o	wner or contractor to	do work as listed.
Hole Size	T.D. 4752'	Charge '	Palamino	<i>Petroleum</i>	
Csg.	Depth	Street			
Tbg. Size 43" D.P.	Depth 2485'	City		State	
Tool	Depth	The above v	vas done to satisfaction		ner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Ar	mount Ordered 📿	10 60/40 42	GEL VYIT Florsen
Meas Line	Displace H20/mu	u			
EQUIPN	IENT	Common	144		
Pumptrk 5 No. Cementer Helper (αία	Poz. Mix	96		
Bulktrk 15 No. Driver Nic	K-7	Gel.	7		
Bulktrik D. W. No. Driver R.C.	(Calcium			
JOB SERVICES	& REMARKS	Hulls			
Remarks: 2485/	- 50 5X	Salt			
Rat Hole		Flowseal	60A		
Mouse Hole 1545' ~	100 5x	Kol-Seal			
Centralizers		Mud CLR	48		
Baskets 270'	50 5x	CFL-117 o	r CD110 CAF 38		
D/V or Port Collar		Sand			
40'-	10 sx wlplu	⋎ ∦ Handling	249		
		Mileage			<i></i>
Kathole -	30 5X		FLOAT EQUIP	PMENT	
		Guide Sho	e		
		Centralize			·
Cement die	Circulate	Baskets			
		AFU Inser	ts :		
		Float Shoe	,		
		Latch Dow			***
		****	1 1	role plug	
				7 J	
		Pumptrk C	harge Nug		
		Mileage	160		
		Minoago	, <u>E</u>	. 7	Гах
	3			Disco	unt
x MANO				Total Char	
Signature				10,00.	<u> </u>



Prepared For: Palamino Petroleum Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

Parsons #1

8-13s-31w Gove,KS

Start Date: 2015.09.05 @ 17:45:15 End Date: 2015.09.06 @ 00:00:15

Job Ticket #: 64463 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64463

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.09.05 @ 17:45:15

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

LKC F

Deviated:

Time Tool Opened: 19:48:15

Time Test Ended: 00:00:15

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Mike Roberts

Unit No:

65

Reference Elevations:

2974.00 ft (KB)

2969.00 ft (CF)

4091.00 ft (KB) To 4130.00 ft (KB) (TVD) 4130.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF:

5.00 ft

Serial #: 8846 Press@RunDepth: Inside

137.73 psig @

4125.00 ft (KB)

2015.09.06

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2015.09.05 17:45:15

End Date: End Time:

00:00:15

Time On Btm:

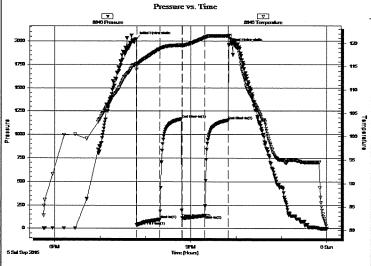
2015.09.06 2015.09.05 @ 19:47:45

Time Off Btm:

2015.09.05 @ 21:50:00

TEST COMMENT: IF:BOB in 25 min.

IS:No return blow FF:BOB in 28 min. FS:No return blow



PRESSURE SUMMARY

	T NEGOGILE GOIVINATO											
1	Time	Pressure	Temp	Annotation								
	(Min.)	(psig)	(deg F)									
	0	2021.08	115.53	Initial Hydro-static								
	1	30.03	115.20	Open To Flow (1)								
	31	95.63	118.78	Shut-In(1)								
	60	1166.51	119.59	End Shut-In(1)								
	61	115.08	119.41	Open To Flow (2)								
	91	137.73	121.22	Shut-In(2)								
	122	1153.61	121.53	End Shut-In(2)								
	123	1955.53	121.69	Final Hydro-static								

Recovery

Length (ft)	Description	Volume (bbl)		
123.00	ocw m 10%o 20%w 70%m	0.60		
30.00	ocm 15%o 85%m	0.42		
60.00	free oil 100%o	0.84		
0.00	GIP 62 ft	0.00		

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 64463



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

ATTN: Ryan Seib

Job Ticket: 64463 Test Start: 2015.09.05 @ 17:45:15

GENERAL INFORMATION:

Formation:

LKC F

Deviated:

No

Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

DST#: 1

Tester:

Mike Roberts

Unit No:

65

Reference Elevations:

2974.00 ft (KB) 2969.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval:

4091.00 ft (KB) To 4130.00 ft (KB) (TVD)

4130.00 ft (KB) (TVD)

Total Depth:

Time Tool Opened: 19:48:15 Time Test Ended: 00:00:15

Hole Diameter:

7.88 inches Hole Condition: Fair

Outside

Serial #: 8737 Press@RunDepth:

psig @ 2015.09.05

4125.00 ft (KB)

2015.09.06

Capacity: Last Calib .: 8000.00 psig

Start Date:

17:45:15

End Date:

00:00:15

Time On Btm:

2015.09.06

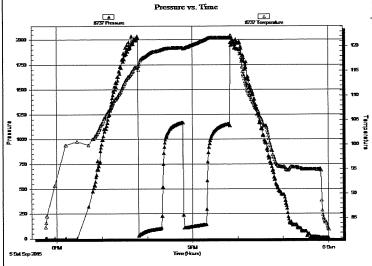
Start Time:

End Time:

Time Off Btm:

TEST COMMENT: IF:BOB in 25 min.

IS:No return blow FF:BOB in 28 min. FS:No return blow



PRE	SS	URE	SUN	1MA	RY

-				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
20	(******)	(1 - 3)	`	
15				
10				
	,			
Temperature 88				
5				
00 🖺				
16				
0				
		1		
15		 		

Recovery

Length (ft)	Description	Volume (bbl)
123.00	ocw m 10%o 20%w 70%m	0.60
30.00	ocm 15%o 85%m	0.42
60.00	free oil 100%o	0.84
0.00	GIP 62 ft	0.00

Gas Rates

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

Printed: 2015.09.10 @ 09:30:35 Ref. No: 64463 Trilobite Testing, Inc



TOOL DIAGRAM

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64463

DST#:1

ATTN: Ryan Seib

Test Start: 2015.09.05 @ 17:45:15

Tool Information

Drill Pipe: Length: 3957.00 ft Diameter: Heavy Wt. Pipe: Length: Drill Collar:

Length:

67.00 ft

ft 39.00 ft

0.00 ft Diameter: 123.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: Total Volume: 55.51 bbl 0.00 bbl 0.60 bbl 56.11 bbl

Tool Weight: 1500.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 70000.00 lb Tool Chased 0.00 ft

String Weight: Initial 46000.00 lb

Final 48000.00 lb

Drill Pipe Above KB: 17.00 ft 4091.00 ft

Depth to Top Packer: Depth to Bottom Packer:

Interval betw een Packers: Tool Length:

Number of Packers:

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4064.00		
Shut In Tool	5.00			4069.00		
Hydraulic tool	5.00			4074.00		
Jars	5.00			4079.00		
Safety Joint	3.00			4082.00		
Packer	5.00			4087.00	28.00	Bottom Of Top Packer
Packer	4.00			4091.00		
Stubb	1.00			4092.00		
Perforations	33.00			4125.00		
Recorder	0.00	8846	Inside	4125.00		
Recorder	0.00	8737	Outside	4125.00		
Bullnose	5.00			4130.00	39.00	Bottom Packers & Anchor

Total Tool Length:

67.00

Trilobite Testing, Inc Ref. No: 64463 Printed: 2015.09.10 @ 09:30:35



FLUID SUMMARY

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64463

DST#:1

ATTN: Ryan Seib

Test Start: 2015.09.05 @ 17:45:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

ft

Serial #:

Viscosity:

66.00 sec/qt

Cushion Volume:

bbl

Water Salinity:

17000 ppm

Water Loss:

8.73 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: Salinity:

Filter Cake:

0.00 ohm.m 2000.00 ppm

1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	ocw m 10%o 20%w 70%m	0.605
30.00	ocm 15%o 85%m	0.421
60.00	free oil 100%o	0.842
0.00	GIP 62 ft	0.000

Total Length:

213.00 ft

Total Volume:

1.868 bbl

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs:

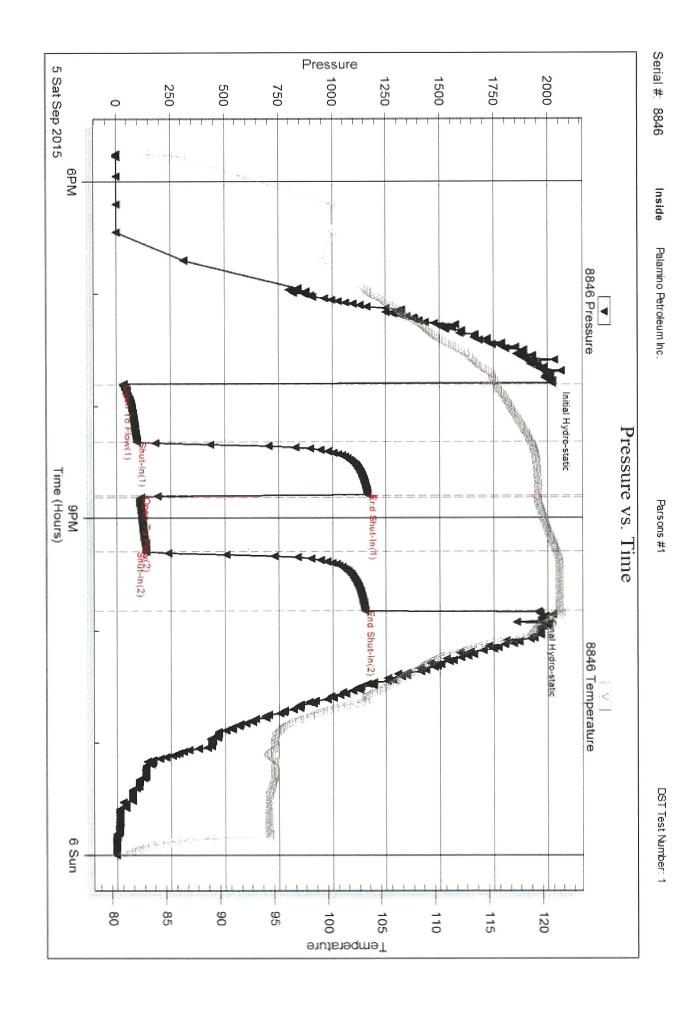
Laboratory Location:

Recovery Comments: API= 36 @ 80 corrected to 34 @ 60

RW= .39 @ 84.7 = 17,000 ppm

Trilobite Testing, Inc.

Ref. No: 64463



Triobite Testing, Inc.

Ref. No:

64463

Serial #: 8737

Outside Palamino Petroleum Inc.

Parsons #1

DST Test Number: 1

Triobite Testing, Inc.

Ref. No.

64463



Prepared For:

Palamino Petroleum Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

Parsons #1

8-13s-31w Gove,KS

Start Date: 2015.09.06 @ 13:24:15

End Date:

2015.09.06 @ 18:45:45

Job Ticket #: 64464

DST#: 2

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



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1 Job Ticket: 64464

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.09.06 @ 13:24:15

GENERAL INFORMATION:

Time Tool Opened: 15:08:30

Time Test Ended: 18:45:45

Formation:

Interval:

LKC J

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

65

Reference Elevations:

2974.00 ft (KB) 2969.00 ft (CF)

4222.00 ft (KB) To 4254.00 ft (KB) (TVD)

4254.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8846 Press@RunDepth: Inside

37.26 psig @

4249.00 ft (KB)

2015.09.06

Capacity: Last Calib.: 8000.00 psig

2015.09.06

Start Date: Start Time: 2015.09.06 13:24:15

End Date: End Time:

18:45:45

Time On Btm:

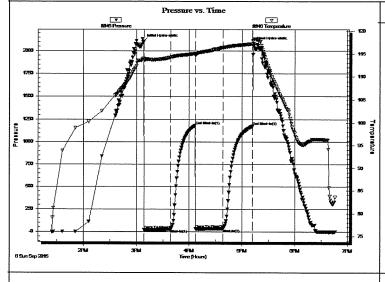
2015.09.06 @ 15:08:15

Time Off Btm:

2015.09.06 @ 17:13:00

TEST COMMENT: IF:Built to weak surface blow and died in 15 min.

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY

			· · · · · · · · · · · · · · · · · · ·
Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2103.46	114.02	Initial Hydro-static
1	23.38	113.63	Open To Flow (1)
31	28.90	114.24	Shut-In(1)
59	1182.25	115.04	End Shut-In(1)
59	32.69	114.60	Open To Flow (2)
91	37.26	116.39	Shut-ln(2)
124	1173.66	117.20	End Shut-In(2)
125	2080.67	117.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	0.02

44.000000000		
1		
* Recovery from r	nultiple tests	,

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 64464



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St

Parsons #1

New ton KS 67114

Job Ticket: 64464

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.09.06 @ 13:24:15

GENERAL INFORMATION:

Time Tool Opened: 15:08:30

Time Test Ended: 18:45:45

Formation:

LKC J

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

65

Reference Elevations:

2974.00 ft (KB)

KB to GR/CF:

2969.00 ft (CF) 5.00 ft

Interval: Total Depth: 4222.00 ft (KB) To 4254.00 ft (KB) (TVD)

4254.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Serial #: 8737 Press@RunDepth: Outside

psig @

4249.00 ft (KB) End Date:

2015.09.06

Capacity: Last Calib.: 8000.00 psig

Start Date:

2015.09.06

18:45:45

Time On Btm:

2015.09.06

Start Time:

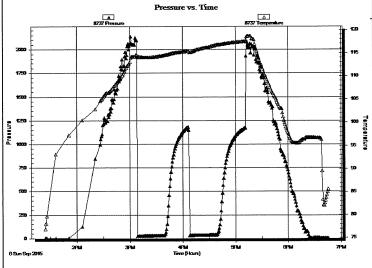
13:24:15

End Time:

Time Off Btm:

TEST COMMENT: IF:Built to weak surface blow and died in 15 min.

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY

, [Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation					
	(14111.)	(psig)	(deg i)						
'									
Temperature									
2									
	ı	3		i i					

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	0.02

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 64464



TOOL DIAGRAM

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1 Job Ticket: 64464

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.09.06 @ 13:24:15

Tool Information

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

Length: 4081.00 ft Diameter: Length:

0.00 ft Diameter: 123.00 ft Diameter:

Diameter:

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

Total Volume:

57.25 bbl 0.00 bbl 0.60 bbl 57.85 bbl Tool Weight: Weight set on Packer: 20000.00 lb Weight to Pull Loose: 70000.00 lb

1500.00 lb

Tool Chased String Weight: Initial 47000.00 lb

Final

0.00 ft

47000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

4222.00 ft Depth to Bottom Packer: Interval between Packers: 32.00 ft

Tool Length: Number of Packers:

60.00 ft

ft

10.00 ft

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4195.00		
Shut In Tool	5.00			4200.00		
Hydraulic tool	5.00			4205.00		
Jars	5.00			4210.00		
Safety Joint	3.00			4213.00		
Packer	5.00			4218.00	28.00	Bottom Of Top Packer
Packer	4.00			4222.00		
Stubb	1.00			4223.00		
Perforations	26.00			4249.00		
Recorder	0.00	8846	Inside	4249.00		
Recorder	0.00	8737	Outside	4249.00		
Bullnose	5.00			4254.00	32.00	Bottom Packers & Anchor

Total Tool Length:

60.00

Printed: 2015.09.10 @ 09:30:09 Trilobite Testing, Inc Ref. No: 64464



FLUID SUMMARY

Palamino Petroleum Inc. 8-13s-31w Gove,KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64464

DST#: 2

ATTN: Ryan Seib Test Start: 2015.09.06 @ 13:24:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Viscosity: Water Loss: 58.00 sec/qt 10.34 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

ft

bbl

Resistivity: Salinity: Filter Cake: 0.00 ohm.m 3300.00 ppm 1.00 inches

Recovery Information

Recovery Table

Length
ftDescriptionVolume
bbl5.00mud w ith oil spots0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

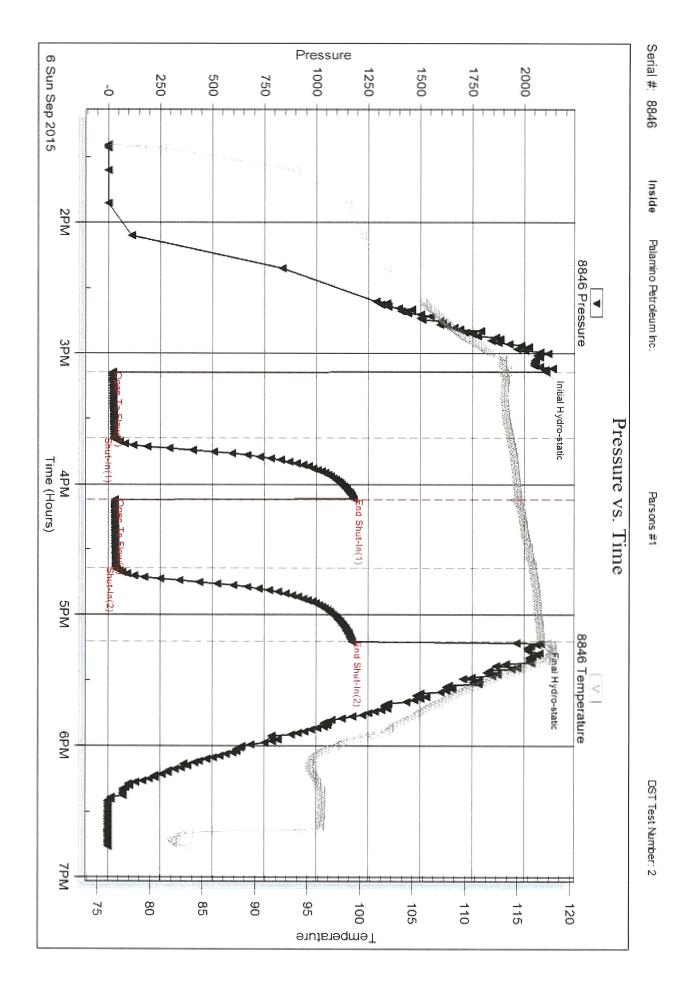
Serial #:

Laboratory Name:

Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 64464 Printed: 2015.09.10 @ 09:30:09



Triobite Testing, Inc.

Ref. No:

64464

Pressure

B

1000

750

6 Sun Sep 2015

2PM

зРМ

4PM Time (Hours)

5PM

6PM

7PM

75

80

85

90

95

100

250

500



Prepared For: Palamino Petroleum Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

Parsons #1

8-13s-31w Gove,KS

Start Date: 2015.09.07 @ 04:07:15 End Date: 2015.09.07 @ 09:33:30 Job Ticket #: 64465 DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64465

ATTN: Ryan Seib

Test Start: 2015.09.07 @ 04:07:15

GENERAL INFORMATION:

Time Tool Opened: 05:55:30

Formation:

LKC K-L

Deviated:

Interval:

Total Depth:

Start Date:

Start Time:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset) Tester:

Mike Roberts Unit No: 65

Time Test Ended: 09:33:30

4243.00 ft (KB) To 4330.00 ft (KB) (TVD)

4330.00 ft (KB) (TVD)

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

2974.00 ft (KB)

2969.00 ft (CF)

DST#: 3

KB to GR/CF:

5.00 ft

Serial #: 8846 Inside

Press@RunDepth:

139.08 psig @ 2015.09.07

04:07:15

4245.00 ft (KB) End Date:

End Time:

2015.09.07

Capacity: Last Calib.: 8000.00 psig

09:33:30

Time On Btm:

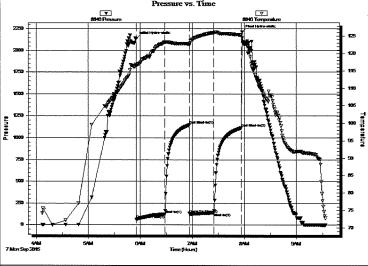
2015.09.07 2015.09.07 @ 05:55:15

Time Off Btm:

2015.09.07 @ 07:57:15

TEST COMMENT: IF:Built to 2" blow

IS:No return blow FF:Built to 2 1/2" blow FS:No return blow



PRESSURE SUMMARY

	1 NEGOGILE GOIVIIVIANT						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	2137.08	116.88	Initial Hydro-static			
	1	61.89	116.48	Open To Flow (1)			
	33	120.06	123.28	Shut-In(1)			
	62	1147.65	122.83	End Shut-In(1)			
•	62	129.19	122.42	Open To Flow (2)			
	90	139.08	126.09	Shut-In(2)			
	122	1114.39	125.37	End Shut-In(2)			
	122	2213.09	124.55	Final Hydro-static			

Recovery

Length (ft)	Description	Volume (bbl)				
150.00	mud 100%m	0.98				
* Recovery from multiple tests						

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 64465 Printed: 2015.09.10 @ 09:29:38



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1 Job Ticket: 64465

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.09.07 @ 04:07:15

GENERAL INFORMATION:

Time Tool Opened: 05:55:30

Time Test Ended: 09:33:30

Formation:

LKC K-L

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Reference Elevations:

Tester:

Mike Roberts

Unit No:

65

2974.00 ft (KB) 2969.00 ft (CF)

Interval: Total Depth: 4243.00 ft (KB) To 4330.00 ft (KB) (TVD)

4330.00 ft (KB) (TVD)

Outside

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8737

Press@RunDepth:

psig @

4245.00 ft (KB)

2015.09.07

Capacity: Last Calib .: 8000.00 psig

Start Date:

2015.09.07

End Date:

09:33:30

Time On Btm:

2015.09.07

Start Time:

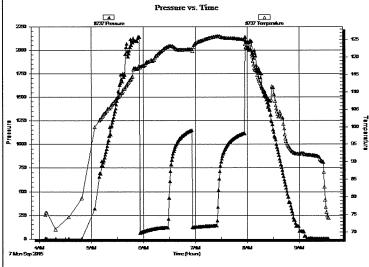
04:07:15

End Time:

Time Off Btm:

TEST COMMENT: IF:Built to 2" blow

IS:No return blow FF:Built to 2 1/2" blow FS:No return blow



PRESSURE SUMMARY

1	Time	Pressure	Temp	Annotation
5	(Min.)	(psig)	(deg F)	
0	` ′	(1 0/	, ,	
5				
0				
5				
. .				
Temperature				
2				
'				

Recovery

Length (ft)	Description	Volume (bbl)
150.00	0.98	
* Recovery from mul	Itinla tasts	

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 64465



Length:

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1 Job Ticket: 64465

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.09.07 @ 04:07:15

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4108.00 ft Diameter:

0.00 ft Diameter: 123.00 ft Diameter:

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

Total Volume:

57.62 bbl 0.00 bbl 0.60 bbl

58.22 bbl

Tool Weight:

1500.00 lb

Weight set on Packer: 20000.00 lb Weight to Pull Loose: 70000.00 lb

Tool Chased

0.00 ft

String Weight: Initial

47000.00 lb

Final

Printed: 2015.09.10 @ 09:29:39

47000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

16.00 ft 4243.00 ft ft

Depth to Bottom Packer: Interval between Packers:

87.00 ft

115.00 ft 2 Diameter:

6.75 inches

Number of Packers: Tool Comments:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4216.00		
Shut In Tool	5.00			4221.00		
Hydraulic tool	5.00			4226.00		
Jars	5.00			4231.00		
Safety Joint	3.00			4234.00		
Packer	5.00			4239.00	28.00	Bottom Of Top Packer
Packer	4.00			4243.00		
Stubb	1.00			4244.00		
Perforations	1.00			4245.00		
Recorder	0.00	8846	Inside	4245.00		
Recorder	0.00	8737	Outside	4245.00		
Change Over Sub	1.00			4246.00		
Drill Pipe	63.00			4309.00		
Change Over Sub	1.00			4310.00		
Perforations	15.00			4325.00		
Bullnose	5.00			4330.00	87.00	Bottom Packers & Anchor
Total Tool Length	: 115.00	ı				



FLUID SUMMARY

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

ft

bbl

psig

Job Ticket: 64465

Serial #:

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.09.07 @ 04:07:15

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

58.00 sec/qt

Viscosity: Water Loss:

10.35 in³ Resistivity: 0.00 ohm.m Salinity: 3300.00 ppm

Filter Cake:

Mud Weight:

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Volume Description Length 0.984 150.00 mud 100%m

Total Length:

150.00 ft

Total Volume:

0.984 bbi

Num Fluid Samples: 0

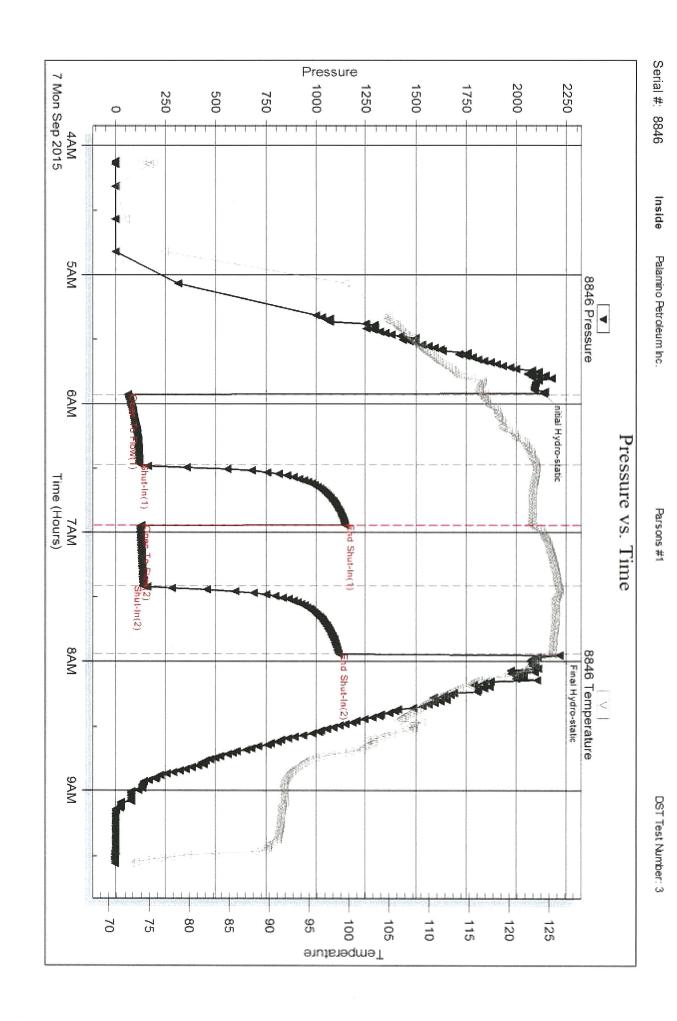
Num Gas Bombs:

Laboratory Location:

Laboratory Name: Recovery Comments:

Trilobite Testing, Inc

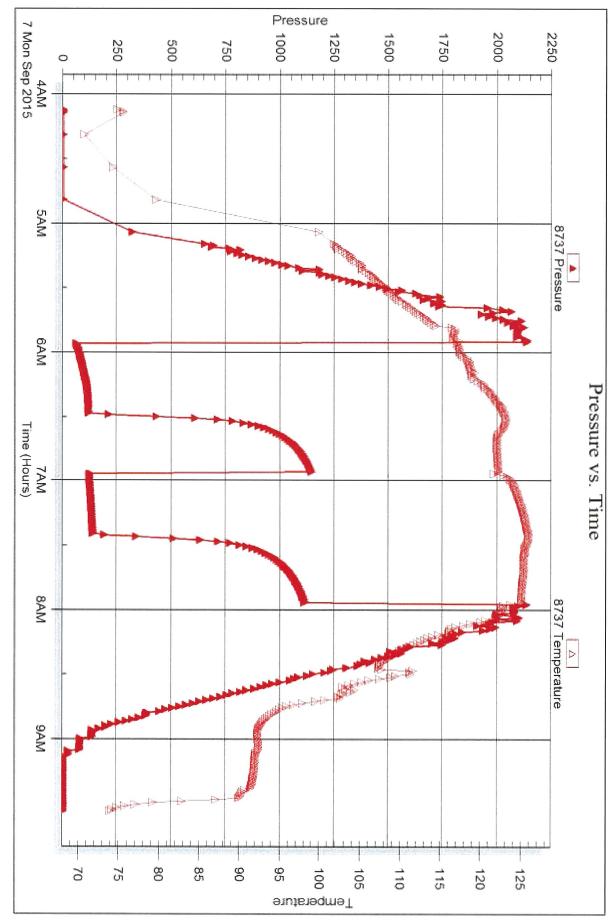
Ref. No: 64465



Triobite Testing, Inc.

Ref. No.

64465



Tritobite Testing, Inc

Ref. No:

64465



Prepared For: Palamino Petroleum Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

Parsons #1

8-13s-31w Gove,KS

Start Date: 2015.09.08 @ 08:55:15

End Date: 2015.09.08 @ 14:49:45

Job Ticket #: 64466 DST #: 4

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601

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



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64466

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.09.08 @ 08:55:15

GENERAL INFORMATION:

Time Tool Opened: 11:05:15

Time Test Ended: 14:49:45

Formation:

Johnson

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

65

Reference Elevations:

2974.00 ft (KB)

2969.00 ft (CF)

KB to GR/CF: 5.00 ft

Interval: Total Depth: Hole Diameter: 4505.00 ft (KB) To 4606.00 ft (KB) (TVD) 4606.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8846 Press@RunDepth: Inside

105.42 psig @

4507.00 ft (KB)

2015.09.08

Capacity: Last Calib .: 8000.00 psig

Start Date: Start Time:

2015.09.08 08:55:15 End Date: End Time:

14:49:45

Time On Btm:

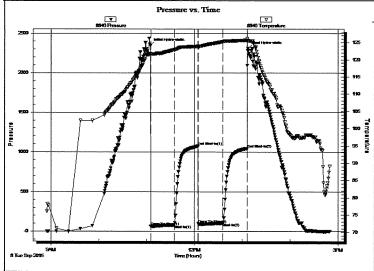
2015.09.08 2015.09.08 @ 11:04:45

Time Off Btm:

2015.09.08 @ 13:07:15

TEST COMMENT: IF:Built to 1 1/2' blow

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY

	1 NEGOGINE GOIMINIAN						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	2343.23	121.87	Initial Hydro-static			
	1	61.59	121.46	Open To Flow (1)			
	31	80.30	122.93	Shut-In(1)			
	60	1072.28	123.93	End Shut-In(1)			
	60	95.56	123.38	Open To Flow (2)			
	91	105.42	125.27	Shut-In(2)			
	122	1045.68	125.69	End Shut-In(2)			
	123	2307.34	125.52	Final Hydro-static			
ĺ							

Recovery

Length (ft)	Description	Volume (bbl)		
72.00	ocm 2%o 98%m	0.35		
Recovery from n				

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 64466



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114

Job Ticket: 64466

Parsons #1

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.09.08 @ 08:55:15

GENERAL INFORMATION:

Time Tool Opened: 11:05:15

Time Test Ended: 14:49:45

Formation:

Johnson

Deviated:

Interval:

No Whipstock: ft (KB)

Test Type: Tester:

Conventional Bottom Hole (Reset)

Mike Roberts

Unit No:

65

2974.00 ft (KB)

Reference Elevations:

2969.00 ft (CF)

Total Depth: 4606.00 ft (KB) (TVD) 7.88 inches Hole Condition: Fair Hole Diameter:

KB to GR/CF:

5.00 ft

Serial #: 8737

Press@RunDepth:

Outside

psig @

4505.00 ft (KB) To 4606.00 ft (KB) (TVD)

4507.00 ft (KB)

2015.09.08

Capacity: Last Calib.: 8000.00 psig

Start Date:

2015.09.08

End Date:

14:49:45

Time On Btm:

2015.09.08

Start Time:

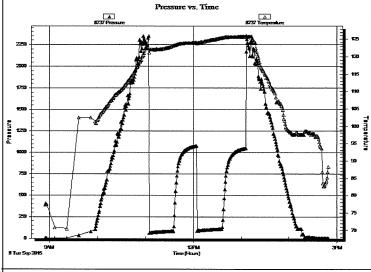
08:55:15

End Time:

Time Off Btm:

TEST COMMENT: IF:Built to 1 1/2' blow

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY

Ī	Time	Pressure	Temp	Annotation
æ	(Min.)	(psig)	(deg F)	
20				
15				
10				
0 6				
Temperature 8 6				
s dura				
0				
5				
9				
5				
5				

Recovery

Length (ft)	Description	Volume (bbt)		
72.00	ocm 2%o 98%m	0.35		
Recovery from r				

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (MMcf/d)

Trilobite Testing, Inc. Ref. No: 64466 Printed: 2015.09.10 @ 09:29:10



TOOL DIAGRAM

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114

Parsons #1

Job Ticket: 64466

DST#:4

ATTN: Ryan Seib

Test Start: 2015.09.08 @ 08:55:15

Final

Tool Information

Drill Pipe Above KB:

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

Length:

Length: 4366.00 ft Diameter: 0.00 ft Diameter: 123.00 ft Diameter:

12.00 ft

ft

4505.00 ft

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

0.00 bbl 0.60 bbl 61.84 bbl

61.24 bbl

Tool Weight: Weight set on Packer: 20000.00 lb Weight to Pull Loose: 80000.00 lb

1500.00 lb

Tool Chased

0.00 ft

String Weight: Initial 48000.00 lb 49000.00 lb

Depth to Top Packer:

Depth to Bottom Packer: Interval between Packers: 101.00 ft

Tool Length: 129.00 ft

Number of Packers:

2 Diameter:

6.75 inches

Tool	Comments:	

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4478.00	,	
Shut In Tool	5.00			4483.00		
Hydraulic tool	5.00			4488.00		
Jars	5.00			4493.00		
Safety Joint	3.00			4496.00		
Packer	5.00			4501.00	28.00	Bottom Of Top Packer
Packer	4.00			4505.00		
Stubb	1.00			4506.00		
Perforations	1.00			4507.00		
Recorder	0.00	8846	Inside	4507.00		
Recorder	0.00	8737	Outside	4507.00		
Change Over Sub	1.00			4508.00		
Drill Pipe	63.00			4571.00		
Change Over Sub	1.00			4572.00		
Perforations	29.00			4601.00		
Bullnose	5.00			4606.00	101.00	Bottom Packers & Anchor
Total Tool Length:	129 00					

Total Tool Length: 129.00



FLUID SUMMARY

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64466

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.09.08 @ 08:55:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Viscosity:

59.00 sec/qt

Gas Cushion Type:

ft bbl

Water Loss: Resistivity:

8.77 in³ 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: Filter Cake: 3000.00 ppm 1.00 inches

Recovery Information

Recovery Table

Length ft		Description	Volume bbl	
72.00		ocm 2%o 98%m	0.354	

Total Length:

72.00 ft

Total Volume:

0.354 bbl

Serial #:

Num Fluid Samples: 0

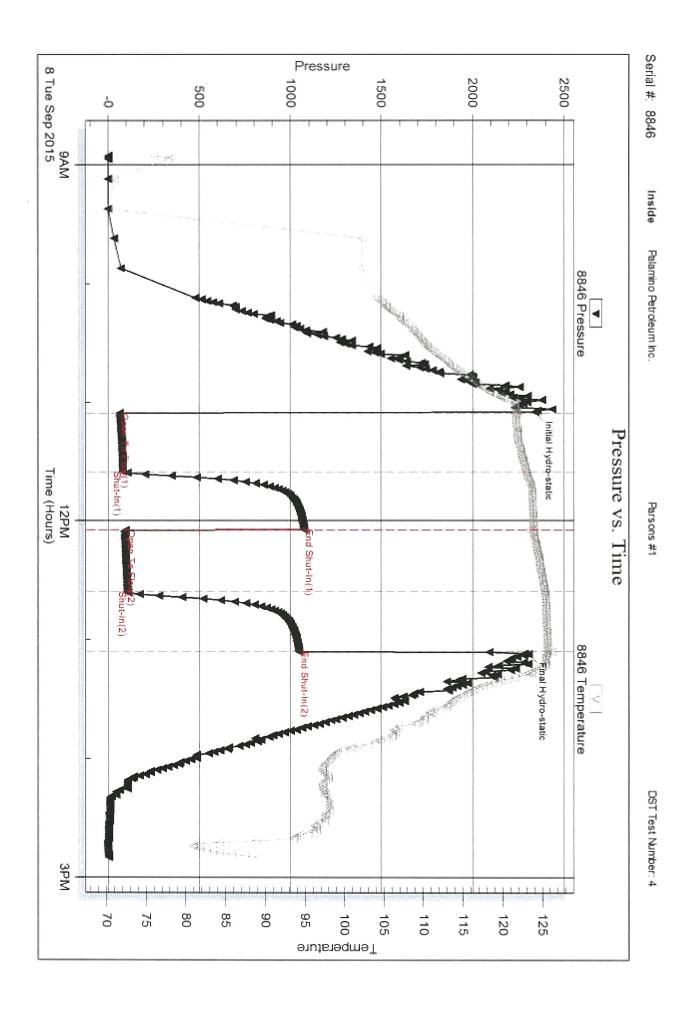
Num Gas Bombs: 0

Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 64466



Triobite Testing, Inc.

Ref. No:

64466

Serial #: 8737

Outside Palamino Petroleum Inc.

Parsons #1

DST Test Number: 4

Tritobite Testing, Inc.

Ref. No:

64466



Prepared For: Palamino Petroleum Inc.

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

Parsons #1

8-13s-31w Gove, KS

Start Date: 2015.09.09 @ 06:47:15 End Date: 2015.09.09 @ 12:47:30 Job Ticket #: 64467 DST #: 5

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64467

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.09.09 @ 06:47:15

GENERAL INFORMATION:

Time Tool Opened: 08:48:15

Formation:

Interval:

Morrow

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset) Tester:

Unit No:

Mike Roberts

Reference Elevations:

2974.00 ft (KB)

KB to GR/CF:

2969.00 ft (CF) 5.00 ft

Time Test Ended: 12:47:30

4505.00 ft (KB) To 4650.00 ft (KB) (TVD)

4650.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

7.88 inches Hole Condition: Fair

Serial #: 8846 Press@RunDepth: Inside

155.13 psig @

4512.00 ft (KB)

2015.09.09

Capacity: Last Calib.: psiq 00.0008

Start Date: Start Time:

2015.09.09 06:47:15

End Date: End Time:

12:47:30

Time On Btm:

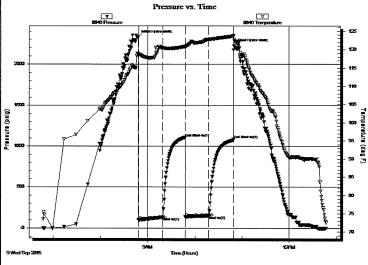
2015.09.09 2015.09.09 @ 08:47:45

Time Off Btm:

2015.09.09 @ 10:50:15

TEST COMMENT: IF:Built to 2 1/2" blow

IS:No return blow FF:Built to 1/2" blow FS:No return blow



PRESSURE SUMMARY

FINESSOINE SOMMANT					
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2322.86	118.92	Initial Hydro-static	
	1	100.71	118.52	Open To Flow (1)	
	32	134.51	120.45	Shut-In(1)	
	60	1107.05	120.86	End Shut-In(1)	
	60	139.33	120.60	Open To Flow (2)	
	90	155.13	122.78	Shut-In(2)	
	122	1084.41	123.61	End Shut-In(2)	
•	123	2221.92	122.35	Final Hydro-static	

Recovery

Length (ft)	Description	Volume (bbl)
130.00	mud w ith oil spots	0.70

Gas Rates

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

Trilobite Testing, Inc Ref. No: 64467 Printed: 2015.09.10 @ 09:28:42



Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64467

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.09.09 @ 06:47:15

GENERAL INFORMATION:

Time Tool Opened: 08:48:15

Time Test Ended: 12:47:30

Formation:

Morrow

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

65

Reference Elevations:

2974.00 ft (KB)

2969.00 ft (CF)

Total Depth:

Interval:

4505.00 ft (KB) To 4650.00 ft (KB) (TVD)

4650.00 ft (KB) (TVD)

Outside

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8737 Press@RunDepth:

psig @

4512.00 ft (KB)

2015.09.09

Capacity: Last Calib.: 8000.00 psig

Start Date:

2015.09.09

End Date:

Time On Btm:

2015.09.09

Start Time:

06:47:15

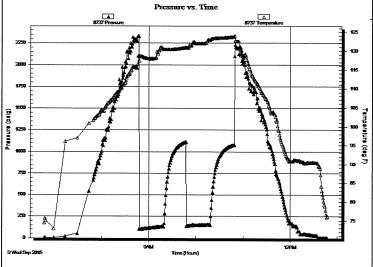
End Time:

12:47:30

Time Off Btm:

TEST COMMENT: IF:Built to 2 1/2" blow

IS:No return blow FF:Built to 1/2" blow FS:No return blow



PRESSURE SUMMARY

		_		
5	Time	Pressure	Temp	Annotation
_	(Min.)	(psig)	(deg F)	
פ	(171111.)	(psig)	(deg i)	
ט				
15				
5				
0				
_				
° 🖆				
Temperature (deg F)				
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•				
•				
•				
	ļ.,			

Recovery

Length (ft)	Description	Volume (bbl)
130.00	mud w ith oil spots	0.70
* Recovery from n	nultiple tests	

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 64467



TOOL DIAGRAM

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64467

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.09.09 @ 06:47:15

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4366.00 ft Diameter:

0.00 ft Diameter: 123.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: 61.24 bbl 0.00 bbl 0.60 bbl Tool Weight: Weight set on Packer: 20000.00 lb

1500.00 lb

61.84 bbl

Weight to Pull Loose: 70000.00 lb 0.00 ft

Tool Chased

48000.00 lb

Total Volume:

String Weight: Initial

Final 48000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

4505.00 ft ft

12.00 ft

Depth to Bottom Packer: Interval between Packers: 4506.00 ft 4534.00 ft Tool Length:

Length:

Number of Packers:

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4478.00		
Shut In Tool	5.00			4483.00		
Hydraulic tool	5.00			4488.00		
Jars	5.00			4493.00		
Safety Joint	3.00			4496.00		
Packer	5.00			4501.00	28.00	Bottom Of Top Packer
Packer	4.00			4505.00	1 10 10 10 10 10 10 10 10 10 10 10 10 10	
Stubb	1.00			4506.00		
Perforations	6.00			4512.00		
Recorder	0.00	8846	Inside	4512.00		
Recorder	0.00	8737	Outside	4512.00		
Change Over Sub	1.00			4513.00		
Drill Pipe	126.00			4639.00		
Change Over Sub	1.00			4640.00		
Perforations	5.00			4645.00		
Bullnose	4366.00			9011.00	4506.00	Bottom Packers & Anchor

Total Tool Length: 4534.00



FLUID SUMMARY

0 deg API

0 ppm

Palamino Petroleum Inc.

8-13s-31w Gove, KS

4924 SE 84th St New ton KS 67114 Parsons #1

Job Ticket: 64467

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.09.09 @ 06:47:15

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

10.00 lb/gal

57.00 sec/qt

Water Loss: Resistivity:

Mud Weight:

Viscosity:

10.37 in³ 0.00 ohm.m 4000.00 ppm

Salinity: Filter Cake:

1.00 inches

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	mud with oil spots	0.703

Total Length:

130.00 ft

Total Volume:

0.703 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0 Serial #:

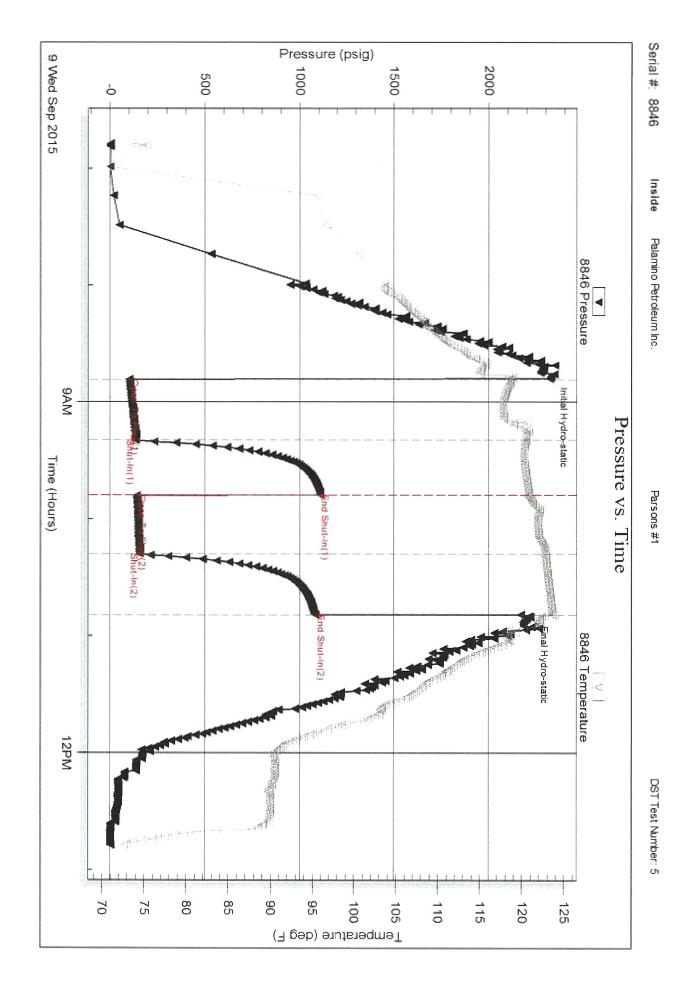
Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

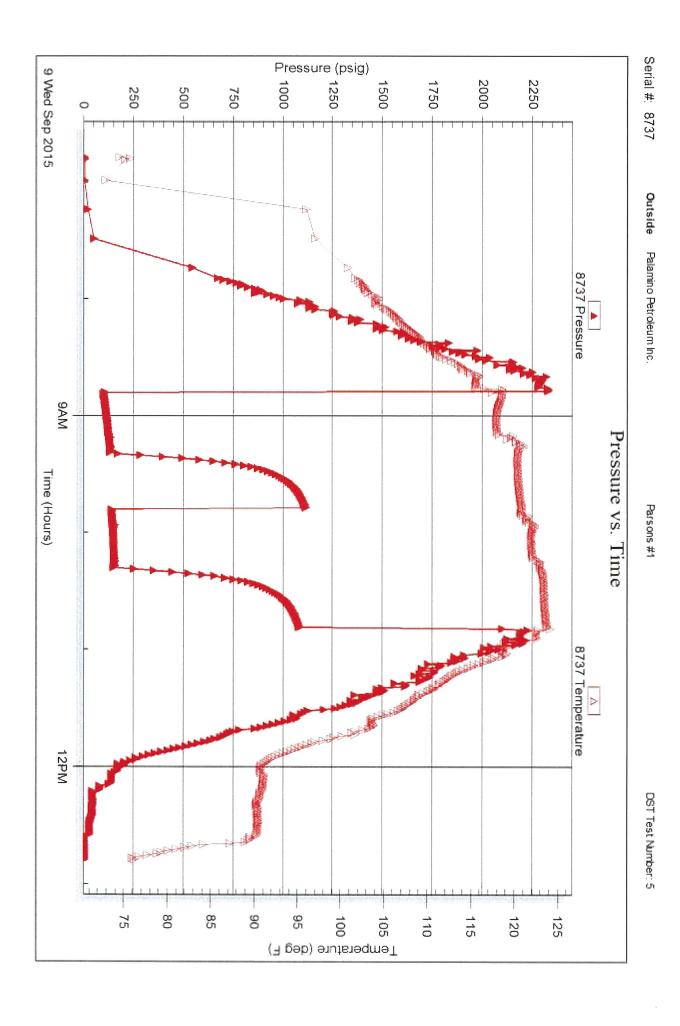
Ref. No: 64467



Triobite Testing, Inc.

Ref. No:

64467



Trilobite Testing, Inc.

Ref. No:

64467



Test Ticket

NO.

64463

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Palomino Petro	oleum Ins	Test No.		Date 9-5-	. 15
Company Parsons 41				кв_ 297	
Address 4924 SE 844 ST N	Jewton KS 6	7114	1.4.1.	Nb	/GL
Co. Rep/Geo. Ryan Seib	and the second s	•	ما ل	and the second s	
Location: Sec. <u>8'</u> Twp. <u>13</u> ;				State	<5
Interval Tested 4091 - 4130	Zone Tested 💆	F			
Anchor Length 39'	Drill Pipe Run	3957	with all and delication of the land of the	Mud Wt 9.2)
Top Packer Depth 4084	Drill Collars Run	123		Vis 6	
Bottom Packer Depth 409	Wt. Pipe Run	5		WL 8/	
Total Depth 4130	Chlorides 200			LCM	
Blow Description IF. BOB IN a	25 Min		•	X690 delmo langua paga paga paga paga paga paga paga p	The common and a similar of the size of the common street and a size of the common size o
Is! No Return	Blow				
FF: BOB IN	28 Min		A FEL GALLERY (A LA MANAGEMENT A LA MANAGEMENT	Managhar Managhar and an annual registry and restreaments of block of continuous and an annual section and an	The second secon
FS' No Retui	in Blow		90000000000000000000000000000000000000	The state of the s	
Rec O Feet of G/P 62'		%gas	%oil	%water	%mud
Rec 60 Feet of FREE OIL		%gas	%oil	%water	%mud
Rec3 $_{\mathcal{O}}$ Feet of $_{\mathcal{OC}\mathcal{M}}$		%gas /	5 ‰il	%water	85 %mud
Rec 123 Feet of OCW M	(COllARS)	%gas /	O ‰il	20 %water	70 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total 213 BHT /22	Gravity <u>34</u> AF	1 RW , 39 @	847/2F	Chlorides /)	
A) Initial Hydrostatic	Test	11.50.00)	cation 14:40	
B) First Initial Flow30	Jars	250,05	2 T-Starte	d /7:45	
C) First Final Flow 95	Safety Joint	75.00	≥ T-Open_	19:48	
D) Initial Shut-In	Circ Sub		T-Pulled	21:48	}
E) Second Initial Flow	☐ Hourly Standby		T-Out _	00:00)
F) Second Final Flow/37	Mileage 80 KT		Comme	nts	When the second
G) Final Shut-In	☐ Sampler				
H) Final Hydrostatic	☐ Straddle		() n.:		
	☐ Shale Packer			ed Shale Packer_	
nitial Open 30	☐ Extra Packer			ed Packer	
nitial Shut-In_30	☐ Extra Recorder		Sub Tota	Copies	
inal Flow 30	☐ Day Standby			1550	
inal Shut-In 30	☐ Accessibility	1550	MP/DST		The state of the s
\sim		555.00/-	ML/02	UISCI AND	
pproved By (1/e)	O D	~	1-1	Q.1.4	



Test Ticket

NO.

64464

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Parsons #1		Test No		Date 9-6-1	5
Company Palomino Petroleu	in FAC	Elevation 29	769	кв2974	GL
Address 4924 SE 8445 ST		A		TENNENDO POR PORTE DE LA CONTRACTOR DE L	
Co. Rep/Geo. Ryan Seil			6		
Location: Sec. 8 Twp. 135	Rge. <u>ろん</u>	_co. <u>Logo</u>	= Cove	State <u>/ </u>	
Interval Tested 4222 - 4254	Zone Tested				
Anchor Length 32	Drill Pipe Run	4081	Mu	awı. 9.3	
Top Packer Depth 4217	Drill Collars Run	123	Vis		
Bottom Packer Depth 4212	Wt. Pipe Run	<u>5</u>	WL	10.4	and the state of t
Total Depth 4254	Chlorides <u>3.3</u> (DØppm	System LC	M	
Blow Description IF. Built to	Weak Sinkice	Blow of &	and in	15 Min	#Printellos varcos con construir a cons
IS: No Retur	n Blow				
FF. No Blow			del Alle September de la constantina d		
FS: No Rote	In Blow				
Rec 5 Feet of M VO LUIS	th oil spots	%gas	%oil	%water /C)
RecFeet of	*	%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of	Websell and the second	%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total BHT / Z 3	The second secon	API RW @	FCI	lorides	ppm
(A) Initial Hydrostatic 2103	Test		T-On Locat	ion 12:42	·
(B) First Initial Flow 23	· ·	1250.05	T-Started _	13:24	
(C) First Final Flow 38	Safety Joint	75.00	T-Open	Section 1	
(D) Initial Shut-In	Circ Sub			17:08	
(E) Second Initial Flow32	☐ Hourly Standby _			18,45	
(F) Second Final Flow37	Mileage BORT	- 480,00			
(G) Final Shut-In	☐ Sampler	75	2014 A do	98 99 98 99 99 99 99 99 99 99 99 99 99 9	
(H) Final Hydrostatic 2080	☐ Straddle		☐ Ruined	Shale Packer	
~	☐ Shale Packer				
Initial Open	☐ Extra Packer			Packeropies	
Initial Shut-In 30	☐ Extra Recorder _			_	
Final Flow	☐ Day Standby		Total15		
Final Shut-In <u>3</u> O	☐ Accessibility	1550		risc't	
, 79	Sub Total #	1555, ⁰⁰ /-		n /	and the state of t
Approved By A J D	Our	Representative 1	NL X	It IT	

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



Test Ticket

NO.

64465

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Parsons #		Test No. 3		Date 9-2-15	
Company Palomino Petroles	un Inc	Elevation_2 °	169	KB 2974	GL
Address 4924 SE 841 ST	- Wewton	KS 67114			
Co. Rep/Geo. Ryan Se, D		Rig LUW	Le		
Location: Sec. <u>8</u> Twp. <u>/35</u>	_Rge. <u>3/W</u> _	co. <u>Grove</u>		State KS	
Interval Tested 4243 - 4330	Zone Tested	K4L			***************************************
Anchor Length 87	Drill Pipe Run	4108	1	Mud Wt. 9.3	
Top Packer Depth <u>4238</u>	Drill Collars Ru			/is58	A TO COOK THE CONTRACT OF THE
Bottom Packer Depth 4243	Wt. Pipe Run_	/	V	VL 10.4	
Total Depth <u>4330</u>	Chlorides <u>3</u>	300		.см /	
Blow Description IF: Built to	2" Blow		•		
IS! NO Return					
FFiBuilt to	2/2" Blow	2	and the second process of the second process		
FS: No Refun			(A)		
Rec/50 Feet of _MU.D		%gas	%oil	%water 100	> %mud
Rec Feet 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	_ Gravity	API RW @		Chlorides	ppm
A) Initial Hydrostatic 2/37	G Test	# 1150,00	T-On Loc	ation <u>02:37</u>	***************************************
B) First Initial Flow	D Jars	A 250,00	T-Started	64:07	
C) First Final Flow	Safety Joint	# 75,00	T-Open_		
D) Initial Shut-In//97	Circ Sub	NC-		07:55	
E) Second Initial Flow/29	☐ Hourly Standby			<u> 09:33</u>	
F) Second Final Flow/39	Mileage 80	LT \$80°2	Commen	is	
G) Final Shut-In///	☐ Sampler		-Eddardonic-co.		
H) Final Hydrostatic22/3	☐ Straddle		O Dita		
				d Shale Packer	
nitial Open3 O				d Packer	
nitial Shut-In30			Sub Total	Copies	
inal Flow3 O	☐ Day Standby		Total 15	550	
inal Shut-In <u>30</u>	☐ Accessibility	1550		Disc't	***************************************
	Sub Total	\$1555,00/	1 1		
pproved By	Oi Oi	ur Benresentative	1/2	12/14	

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

Test Ticket

NO.

64466

Well Name & No. Parsons #1		Test No. <u>4</u>	1	Date <u>9-8-</u>	15
Company Palomino Petrole				кв 2974	GL
Address 4924 SE 841 5					
					Abrama Angala da Ang
Location: Sec. 8 Twp. 135				State LS	
Interval Tested 4505 - 4606	Zone Tested	Johnson			
Anchor Length / O /		1 1 cm . 2	Mi	ud Wt. <u>9. 3</u>	
Top Packer Depth 450 0	Drill Collars Run	123		s <u>59</u>	
Bottom Packer Depth 4505	Wt. Pipe Run	<i>d</i>	W	L_8,8	
Total Depth 4604	Chloridae 3	Ppm		м_/	
Blow Description IF. Bilt to	1/2" Blow				
Is: No Return					
FF. No Blow				The state of the s	POR PROPERTY AND PROPERTY OF THE PROPERTY OF T
FS: NO Refu-	n Blow		.0		
Rec 72 Feet of OC-M		%gas	2 %oil	%water	98 %mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total 72 BHT 126	Gravity	APIRW@	FC	hlorides	ррп
(A) Initial Hydrostatic 23 43	Test	# 1150,00	T-On Loca	tion <u>02:10</u>	
(B) First Initial Flow	Jars	"250,00°	T-Started	08:55	
(C) First Final Flow 80	Safety Joint	175,00	T-Open	11:05	Particular and the second seco
(D) Initial Shut-In 1072	Circ Sub	NC		13:05	MANUFACTOR CONTROL OF THE CONTROL OF
(E) Second Initial Flow95	☐ Hourly Standby _		T-Out	14;49	
(F) Second Final Flow	Mileage 80 K	T \$80.00/-	Comments		
(G) Final Shut-In 1045	☐ Sampler		****		
(H) Final Hydrostatic2307	☐ Straddle		D. Duines	A Chata Dautin	
	☐ Shale Packer		— Hamee	Shale Packer	
Initial Open30	☐ Extra Packer		- //0///00	Packer	
Initial Shut-In30	☐ Extra Recorder _			Copies O	
Final Flow30	☐ Day Standby		***	550	
Final Shut-In30	☐ Accessibility	1550		Disc't	
00	Sub Total 🥀	1555. cof			
Approved By	Ou	r Representative	W/-lo.	John to	

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Test Ticket

NO.

64467

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Parson = #!		Test No	***************************************	Date 9-9-15	
company Palomino Petrole,	un. Inc	Elevation 20		кв 2974	GL
Address 4924 SE 844	ST Newton	KS 6711	4		· · · · · · · · · · · · · · · · · · ·
Co. Rep/Geo. Ryan Seib					
Location: Sec. 8 Twp. 135				State KS	
Interval Tested 4505-4650	Zone Tested	Marrow			
Anchor Length 145		4366	M	ud Wt. 9.5	
Top Packer Depth 4500	Drill Collars Run	123	Vi	is <u>57</u>	
Bottom Packer Depth 4505	Wt. Pipe Run	Ø	W	10.4	
Total Depth 4650	, , ,	00 ppm	System L0	ом	n no sport of the
Blow Description IF: Built to	2/2" Blow				
Is: No Refu	n Blow				N. Walling Alle L.
FF: AB BU. 1+	to 1/2" Blo) W			
FS: No Retur	n Blow	·			
Rec130 Feet of <u>MVD_ w. H</u>	- Dil Spots	%gas	%oil	%water 100	ン %mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total 130 BHT 1124	Gravity		FC	Chlorides	ppm
(A) Initial Hydrostatic	🖰 Test	4/150.00		ation <u>05:50</u>	
(B) First Initial Flow	a Jars	50.00		06:47	****
(C) First Final Flow	Safety Joint	75,09		08:48	
(D) Initial Shut-In//0 7	Circ Sub	NC		10:48	literary a tree discrete and the contract and the contrac
(E) Second Initial Flow/39	☐ Hourly Standby			12:47	
(F) Second Final Flow	Mileage 80 6	RT #80.00	Comment	\$	
(G) Final Shut-In	☐ Sampler				
H) Final Hydrostatic 222/	☐ Straddle		☐ Ruine	d Shale Packer	
	☐ Shale Packer	773740 TO 10 10 10 10 10 10 10 10 10 10 10 10 10		d Packer	
nitial Open30				Copies	
nitial Shut-In30				0	
Final Flow30	☐ Day Standby		Total1	.550	
Final Shut-In3o	☐ Accessibility	1550		Disc't	
, 70	Sub Total #,	1555.00/			
Approved By (1-12)	_		VI -1. 4	2.1.6	