

Confidentiality Requested:

Yes No

# Kansas Corporation Commission Oil & Gas Conservation Division

1167386

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:			Sec	TwpS. R	East West
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long: _	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	/ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G		(Data must be collected from the		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	hauled offsite	
☐ ENHR			1		
GSW	Permit #:		Operator Name:		
_ <del>_</del>			Lease Name:	License #:_	
Spud Date or Date R	eached 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 II Approved by: Date:						

Page Two



Operator Name:			L	ease Name: _			Well #:			
Sec Twp	S. R	East We	est C	County:						
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott				
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log		
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample		
Samples Sent to Geo	logical Survey	Yes	No	Nam	e		Тор	Datum		
Cores Taken Electric Log Run		Yes Yes	No No							
List All E. Logs Run:										
		(	CASING REC	ORD Ne	w Used					
		· ·		ıctor, surface, inte	ermediate, producti		T			
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD					
Purpose: Depth Type of Cement Top Bottom				# Sacks Used Type and Percent Additives						
Perforate Protect Casing	100 20111111									
Plug Back TD Plug Off Zone										
1 lag on zono										
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)		
Does the volume of the to		•				_	o question 3)	(" 100 ")		
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)		
Shots Per Foot		dge Plugs Se erval Perforate			cture, Shot, Cement		d Depth			
	, ,				,		,			
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:					
						Yes No				
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>				
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity		
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.		
Vented Solo	ON OF GAS:  Used on Lease	Open Ho		IOD OF COMPLE $\Box$		nmingled	PHODUCIIC	ON INTERVAL:		
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)				

Form	ACO1 - Well Completion					
Operator	Palomino Petroleum, Inc.					
Well Name	Danfield21 1					
Doc ID	1167386					

# Tops

Name	Тор	Datum
Anhy.	2232	(+ 847)
Base Anhy.	2248	(+ 831)
Heebner	3915	(- 836)
Lansing	3964	(- 855)
ВКС	4416	(-1336)
Marmaton	4444	(-1365)
Pawnee	4530	(-1451)
Ft. Scott	4559	(-1480)
Cherokee Sh.	4575	(-1496)
Miss	4850	(-1771)
LTD	5030	(-1951)



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



# Invoice

DATE	INVOICE#
10/5/2013	24740

# RECEIVED

• Acidizing OCT 1 0 2013

Cement

• Tool Rental

DII	7	-
-	- 1	•

Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

TERMS	Well N	o. Lease	County	Contractor	We	ІІ Туре	Well Category		Job Purpose	Operator	
Net 30	#21-1	Danfield	Scott	Cheyenne Well Se		Oil	Development		Dil Development Cement Port Collar		ar Blaine
PRICE	REF.	,	DESCRIPT	ION	ANTONIAN DE LE COLOR DE LA	QT	Y	UM	UNIT PRICE	AMOUNT	
575D 576D-D 330 276 290 104 107 581D 583D		Mileage - 1 Way Pump Charge - Port of Swift Multi-Density Flocele D-Air Port Collar Tool Ren Stripper Head Rental Service Charge Ceme Drayage  Subtotal Sales Tax Scott Cour	Standard (MID tal Per Day ent	CON II)		9	1 220 60 3 1 1 250	Miles Job Sacks Lb(s) Gallon(s) Each Each Sacks Ton Miles	6.00 1,500.00 17.00 2.00 42.00 250.00 250.00 2.00 1.00	480.00 1,500.00 3,740.00T 120.00T 126.00T 250.00T 250.00T 500.00 995.10 7,961.10 365.61	

We Appreciate Your Business!

Total

\$8,326.71



ADDRESS Following Petrolowy
PERSONAL PROPERTY OF THE PERSON OF THE PERSO

TICKET

Z 24740

MUST BE SIGNED BY CUSTOME START OF WORK OR DELIVERY  X  DATE SIGNED	LEGAL TERMS: Customer hereby the terms and conditions on the revebut are not limited to, PAYMENT, LIMITED WARRANTY provisions	580	583	107	104	0,000	276	330	5760	575	PRICE	REFERRAL LOCATION	4.	C.	2.	SERVICE LOCATIONS	Services,	
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  X  DATE SIGNED  TIME SIGNED	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.	-									SECONDARY REFERENCE/ PART NUMBER LOC	INVOICE INSTRUCTIONS	WELL HEE	U SERVICE SALES	TICKET TYPE   CONTRACTOR	MELL/PROJECT NO.	es, Inc.	
D A.M.	nadan rawa an						7	( A		M	ACCOUNTING ACCT DF		WELCALEGOR	harri Carro	entendence college an analong condenses agent dates.	U-) LEASE		CITY, STATE, ZIP CODE
P.O. BOX 466  NESS CITY, KS 67560	REMIT PAYMENT TO:	Revice C	Drayouse	Stropes hee	Bet Coller	D-416	Plocele	5MD cen	Pimo Chara	MILEAGE TR			STATE TOP	chesen		orticla		
X 466 KS 67560	MENT TO:	rasce		Rewind	Tool Rowland			and the same	90	114	DESCRIPTION		PURPOSE CALLO		RIG NAME/NO.	COUNTY/PARISH		
PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR? ARE YOU SATISFIED WITH OUR?	SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS											a de la constante de la consta	~	NIACT	PPED (	STATE		
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Scott 8:15%	PAGE TOTAL	80/2	100	200	25000	2200	8	ODIC!	1500 po	600	UNIT	настраний в применений в приме	WELL LOCATION		JER NO.	12	->	PAGE
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PM

785-798-2300

TOTAL

8326

Thank You

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

APPROVAL

SWIFT OPERATOR

B LOTOMER		Petrole	, WELL NO.	6 1 1	ILEACE B		CCO, INC. DATE / OCT /3 PAG
	Ellino T		T	21-1	10	infie	ld JOB TYPE ant coller TICKET NO. 24740
HART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR TUBING	E (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
<del></del>	ļ						250 ste SIND comit w/ 7th Florele
V-	ļ						23,52 port coller 22241
							•
***************************************	1100		<b></b>				on loc TRK 114
NAMES OF A STREET	21 01		ļ		10		
	11/4				1000	1000	fest to 1000psi - held
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					Management of the state of the		Dunping of Sport 700psi - no lolow
	1215	2			100		wait on muditande
	1325	<u>3</u> 3	10		1000		Puno MUd
		<u> </u>	12		1000		- fling to surface -
	***************************************	3	30 4		660		Salter to the
			-7-		60		frup 4661 bz 0
	1340	34			400		make SIMD on a + SI 413 a
_	.000				100		MIX 5MD coment of 1162 pg
	***************************************	34	115		500		- coment to surface -
					300		· Coursuice
		34	7		500		Disclose w/ 4,0 -
							orspace wy rize
							(220sks)
							Jack topil
							7 20
							alose port coller
	1425	15					fest to 200 ps; - held swin
	1425	-					Run 5 joints
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	The second secon						- 2 count flags -
_							
	1445						waph truck
_	<del></del>			_	<del></del>		- Oa to - C
$\dashv$							RACK UP Job complete Hund Blain; Flint & godn
							Tob compkete
							Typic Ci i
_							Day - Haut & sohn



P. O. Box 466

Ness City, KS 67560

Off: 785-798-2300



# OCT 0 1 2013 Invoice

DATE	INVOICE#				
9/28/2013	24959				

BILL TO

Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

We Appreciate Your Business!

- Acidizing
- Cement

Total

\$14,452.23

Tool Rental

TERMS V	Well No.	Lease	County	Contractor	We	II Type	We	ell Category	Job Purpose	Operator
Net 30	#1-21	Danfield	Scott	WW Drilling Rig		Oil	D	evelopment	LongString	Ted
PRICE RE	EF.		DESCRIPT	ION		QT	Y	UM	UNIT PRICE	AMOUNT
575D 578D-L 281 221 400-5 401-5 409-5 403-5 404-5 325 284 283 285 276 330 276 581D 583D	Pu Mu Lic 5 1 5 1 5 1 5 1 Sta Ca Sal CF Flo Sw Flo Ser Dra	leage - 1 Way mp Charge - Long nd Flush quid KCL (Clayfix /2" Guide Shoe /2" Insert Float W /2" Turbolizer /2" Cement Baske /2" Port Collar ndard Cement Iseal t R-1 ncele ift Multi-Density Sincele vice Charge Ceme ayage	ith Auto Fill t Standard (MID	CON II)			1 500 4 1 1 14 2 1 125 6 700 59 31 125 31	Miles Job Gallon(s) Gallon(s) Each Each Each Each Sacks Sack(s) Lb(s) Lb(s) Sacks Lb(s) Sacks Ton Miles	6.00 1,500.00 1.25 25.00 200.00 160.00 90.00 285.00 2,650.00 14.00 35.00 0.20 4.00 2.00 17.00 2.00 1.00	480.00 1,500.00 625.00T 100.00T 200.00T 160.00T 1,260.00T 570.00T 2,650.00T 1,750.00T 210.00T 140.00T 236.00T 62.00T 2,125.00T 62.00T 500.00 995.00



RESS RESS
RESS

TICKET

Nº 24959

		CITY CTATE ZID CODE	And the second s	any property and an analysis of the second s	TO CONTRIBUTION OF THE PROPERTY OF THE PROPERT
Services, Inc.		New ton Ks		-	PAGE OF
SERVICE I OCATIONS	WELL /BBO JECT NO	I EACE		найнарияларуйн үйдөлөөн Алариялаа алариялаа алариялаа алариялаа адаамаана алариялаа адаамаана адаамаана адаама Алариялаа жанарийн үйнөөн Алариялаа адарууна жанариялаа адаамаана адаамаана адаамаана адаамаана адаамаана адаа	The same are an area of the same area of the same area.
SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	SIAIE CITY	DATE
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2 Francis XX	TICKET TYPE   CONTRACTOR		RIG NAME/NO. SH	SHIPPED DELIVERED TO	ORDER NO.
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REFERRAL LOCATION	INVOICE INSTRUCTIONS				оста се на на населения на на населения на на

on Espired - 38-	START OF WORK OR DELIVERY OF GOODS	but are not limited to PAYMENT.  LIMITED WARRANTY provisions	LEGAL TERMS: (			404	403	409	40.1	480	22	0087	578	578	PRICE
2013 11/20	START OF WORK OR DELIVERY OF GOODS  TO THE SCOULD START OF WORK OR DELIVERY OF GOODS	but are not limited to PAYMENT, RECEASE, INDEMNITY, and LIMITED WARRANTY provisions.	LEGAL TERMS: Customer hereby acknowledges and agrees to				REFORESCENCE AS SERVICIONES (NO VINNESSO POR CONTRACTOR		A THE COLUMN TO THE THE PARTY OF THE	Andreas and the state of the st				ARTICLE	SECONDARY REFERENCE/ PART NUMBER
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CUSTOMER DID NOT WISH TO RESPOND	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICES	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS	SURVEY	Rige	TO COLOR A AMAZONO DE LOS DESCRIANAS ESTADAS E			liver	D.			\$			QTY.
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I TO RESPOND	150		AGREE DECIDED AGREE			Stin	V FS	25/2/2	\$25	25/1/2	Parameter and the second	)	5000 B		QTY. UM
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CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES. The customer hereby acknowledges receipt of the materials and services listed on this ticket APPROVAL

Thank You

SWIFT OPERATOR



# TICKET CONTINUATION

SECONDARY REFERENCE/	7
Off:	P
NG TIME	PO Box 466
Palom mo Petroleum	TICKET CONTINUATION
WELL D & Field 1-21	
UNIT PAGE PAGE	No. 24959
Aid	broleum WELL D an Fire 1 & 1-21 DATE 9-28-2013

SWIFT Services, Inc. JOB LOG DATEY 28-2013 PAGE NO. CUSTOMER () lominoPet WELL NO. PUMPS CHART NO. PRESSURE (PSI) VOLUME TIME DESCRIPTION OF OPERATION AND MATERIALS (BBL) (GAL) C TUBING CASING 24:40 24:40 66th 01:50 (3) 40 12 300 2000 20 Q 350 35 200 900 19 20 mm 300



## **REMIT TO**

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

MAIN OFFICE

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

# RECEIVED

SEP 2 3 2013

	-	marke Market
Invoice Date: 09/20/2013 Terms: 10/10/30,n/30 Page	1	

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

TON MILEAGE DELIVERY

EUREKA, KS

BARTLESVILLE, OK EL DORADO, KS

693

DANFIELD 21 #1 38088 21-20-34 09-19-2013 KS

Description Oty Unit Price Part Number Total CLASS "A" CEMENT (SALE) 165.00 18.5500 3060.75 1104S CALCIUM CHLORIDE (50#) 465.00 .9400 1102 437.10 PREMIUM GEL / BENTONITE 310.00 .2700 1118B 83.70 Sublet Performed Description Total CEMENT MATERIAL DISCOUNT 9996-130 -358.16 CEMENT EQUIPMENT DISCOUNT 9995-130 -199.73 Hours Unit Price Description Total 1.00 1150.00 CEMENT PUMP (SURFACE) 1150.00 463 45.00 EQUIPMENT MILEAGE (ONE WAY) 5.25 236.25 463

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

Amount Due 5870.79 if paid after 10/20/2013

THAYER, KS

GILLETTE, WY

CUSHING, OK

OTTAWA, KS

1.00

611.10

611.10

			Amount	Due	5870.79	lI	pald	arter	T0/20	/2013	
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Sublt:	-557.89	Supplies:	.00	Char	ige:		.00				
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Signed							Da	ate			

OAKLEY, KS

PONCA CITY, OK



2102145

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TICKET NUMBER	38088
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O Box 884, C	hanute, KS 667 or 800-467-8676	LU		CEMENT				Ko.
DATE	CUSTOMER#		L NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY
9/19/13	6285	Danfin	eld 21	*/	21	20	34	Scott
CUSTOMER	· Pata	oleum		Scott	TRUCK#	DRIVER	TRUCK#	DRIVER
Halom MAILING ADDRI	ESS	oleum		South to	463	Cory		
VIII TIME TO THE TO THE	٠,			20 40	693	Travis		
CITY		STATE	ZIP CODE	11 0 3/15	011	71447		
				intow				
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	311.84	DRILL PIPE	7507 9			_	OTHER	
SLURRY WEIGH		SLURRY VOL	136		(	CEMENT LEFT in	CASING 20	
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							Sub Total	\$5021.9
						8.15%	SALES TAX	262,70
Ravin 3737							ESTIMATED TOTAL	579271
	2						O II	250000

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

## Danfield 21 #1

# 21-20s-34w Scott,KS

Start Date: 2013.09.23 @ 03:49:00 End Date: 2013.09.23 @ 10:38:15 Job Ticket #: 52871 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52871

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 03:49:00

#### GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Hole Diameter:

LKC " G "

Deviated: No \ Time Tool Opened: 06:18:45

Time Test Ended: 10:38:15

Whipstock: ft (KB)

4102.00 ft (KB) To 4171.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Tester:

Test Type: Conventional Bottom Hole (Initial)

rester:

Sam Esparza

Unit No: 64

JIIILINO. 04

Reference Elevations:

3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8845 Press@RunDepth: Outside

441.56 psig @

4103.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2013.09.23 03:49:05

4171.00 ft (KB) (TVD)

End Date: End Time: 2013.09.23

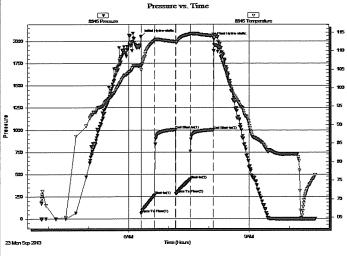
Last Calib.: Time On Btm: 2013.09.23

Time Off Btm:

2013.09.23 @ 06:18:30 2013.09.23 @ 08:07:00

TEST COMMENT: IF: BOB @ 4 min.

ISI: No Return. FF: BOB @ 5 min. FSI: No Return.



		PI	RESSUR	RE SUMMARY
5	Time	Pressure	Temp	Annotation
•	(Min.)	(psig)	(deg F)	
•	0	2052.38	106.02	Initial Hydro-static
5	1	58.60	104.75	Open To Flow (1)
,	21	264.54	112.86	Shut-In(1)
	52	1000.09	112.47	End Shut-In(1)
7	52	281.83	112.15	Open To Flow (2)
Temperature	74	441.56	114.55	Shut-In(2)
2	108	998.86	114.06	End Shut-In(2)
	109	2019.19	114.43	Final Hydro-static

#### Recovery

Description	Volume (bbl)
MW 5m 95w	8.14
WM 45w 55m	3.51
	MW 5m 95w

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

Trilobite Testing, Inc Ref. No: 52871 Printed: 2013.10.01 @ 10:16:19



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52871 **DST#:1** 

ATTN: Ryan Seib Test Start: 2013.09.23 @ 03:49:00

GENERAL INFORMATION:

Formation: LKC " G "

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

Time Tool Opened: 06:18:45

Tester: Sam Esparza

Time Test Ended: 10:38:15 Unit No:

 Interval:
 4102.00 ft (KB) To
 4171.00 ft (KB) (TVD)
 Reference Elevations:
 3079.00 ft (KB)

 Total Depth:
 4171.00 ft (KB) (TVD)
 3074.00 ft (CF)

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

Serial #: 6772 Outside

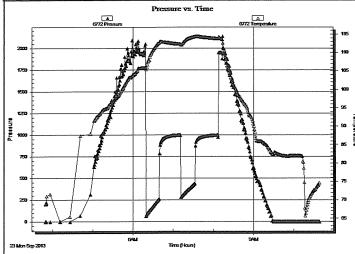
Press@RunDepth: psig @ 4103.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2013.09.23 End Date: 2013.09.23 Last Calib.: 2013.09.23

Start Time: 03:49:05 End Time: 10:38:29 Time On Btm: Time Off Btm:

TEST COMMENT: IF: BOB @ 4 min.

ISI: No Return. FF: BOB @ 5 min. FSI: No Return.



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

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
660.00	MW 5m 95w	8.14
250.00	WM 45w 55m	3.51

Gas Naies							
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)					

Trilobite Testing, Inc Ref. No: 52871 Printed: 2013.10.01 @ 10:16:19



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52871

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 03:49:00

Tool Information

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

Length: 3981.00 ft Diameter: 0.00 ft Diameter: 123.00 ft Diameter:

30.00 ft

3.80 inches Volume: 55.84 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.60 bbl 56.44 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 75000.00 lb

Tool Chased String Weight: Initial 54000.00 lb

0.00 ft

Final 57000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

4102.00 ft Depth to Bottom Packer: ft Interval between Packers: 69.00 ft Tool Length:

Number of Packers: Tool Comments:

97.00 ft 2 Diameter:

6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4075.00		
Shut In Tool	5.00			4080.00		
Hydraulic tool	5.00			4085.00		
Jars	5.00			4090.00		
Safety Joint	3.00			4093.00		
Packer	5.00			4098.00	28.00	Bottom Of Top Packer
Packer	4.00			4102.00		
Stubb	1.00			4103.00		
Recorder	0.00	6772	Outside	4103.00		
Recorder	0.00	8845	Outside	4103.00		
Perforations	30.00			4133.00		
Change Over Sub	1.00			4134.00		
Drill Pipe	31.00			4165.00		
Change Over Sub	1.00			4166.00		
Bullnose	5.00			4171.00	69.00	Bottom Packers & Anchor

**Total Tool Length:** 

97.00

Trilobite Testing, Inc Ref. No: 52871 Printed: 2013.10.01 @ 10:16:20



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52871

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 03:49:00

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

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: ft Water Salinity: 38000 ppm

Viscosity: Water Loss:

Filter Cake:

64.00 sec/qt 7.18 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

bbl psig

Resistivity: Salinity:

0.00 ohm.m 3600.00 ppm 1.00 inches

# **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
660.00	MW 5m 95w	8.138
250.00	WM 45w 55m	3.507

Total Length:

910.00 ft

Total Volume:

11.645 bbl

Num Fluid Samples: 0

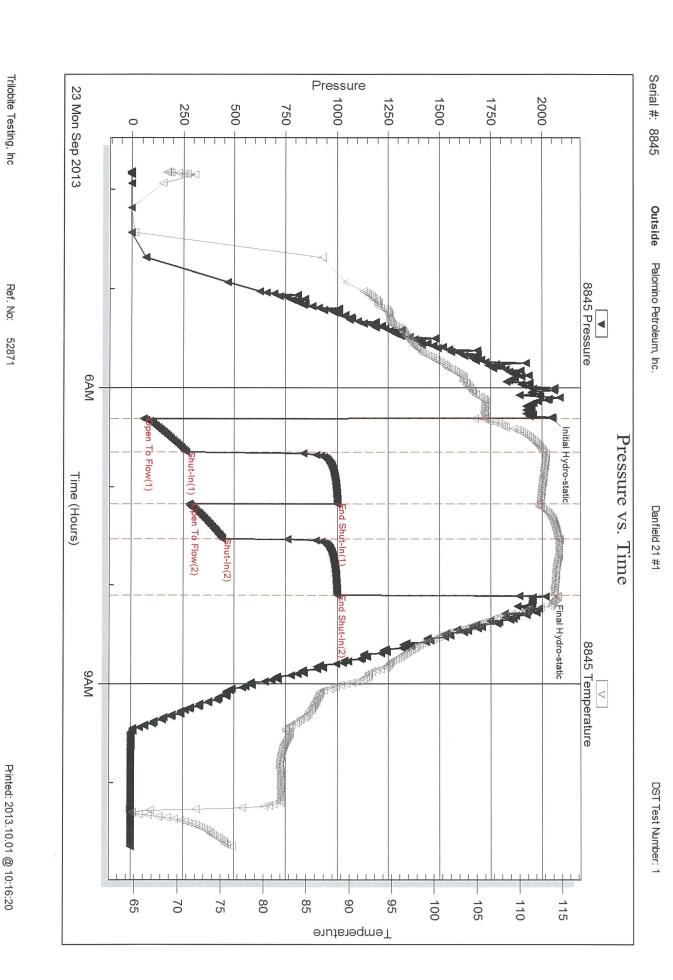
Num Gas Bombs: 0 Serial#:

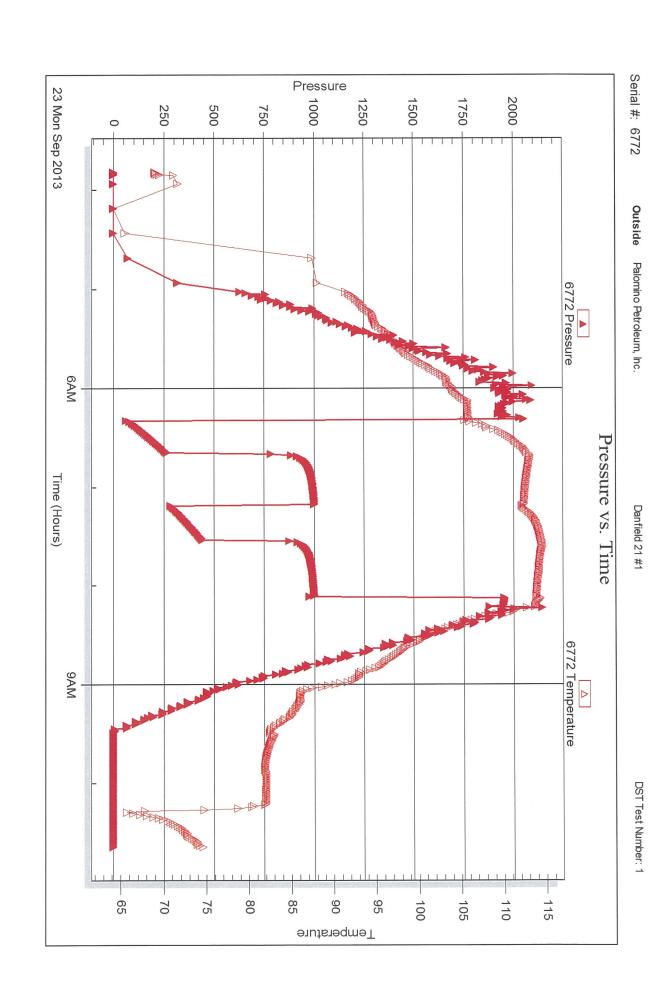
Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .198 @ 67 degrees= 38,000 ppm

Trilobite Testing, Inc Ref. No: 52871 Printed: 2013.10.01 @ 10:16:20





Trilobite Testing, Inc

Ref. No:

52871

Printed: 2013.10.01 @ 10:16:20



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

## Danfield 21 #1

# 21-20s-34w Scott,KS

Start Date: 2013.09.23 @ 20:29:00 End Date: 2013.09.24 @ 02:38:15 Job Ticket #: 52872 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601

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



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52872

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 20:29:00

#### GENERAL INFORMATION:

Time Tool Opened: 22:22:00 Time Test Ended: 02:38:15

Formation:

LKC"H&I"

Deviated:

No Whipstock: ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Reset)

Sam Esparza

Unit No:

Reference Elevations:

3079.00 ft (KB) 3074.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth: 4163.00 ft (KB) To 4231.00 ft (KB) (TVD)

4231.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Serial #: 8845 Press@RunDepth: Outside

21.21 psig @

4164.00 ft (KB)

2013.09.24

8000.00 psig

Start Date: Start Time: 2013.09.23 20:29:05

End Date: End Time:

02:38:14

Last Calib.: Time On Btm:

Capacity:

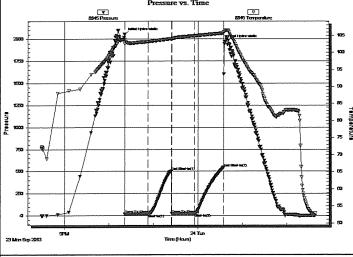
2013.09.24 2013.09.23 @ 22:21:45

Time Off Btm:

2013.09.24 @ 00:35:45

TEST COMMENT: IF: 1/4" Blow.

ISI: No Return. FF: No Blow. FSI: No Return.



	PRESSURE SUMMARY							
1	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
	0	2052.19	103.83	Initial Hydro-static				
	1	15.77	102.58	Open To Flow (1)				
	32	19.25	103.17	Shut-ln(1)				
	63	502.48	104.00	End Shut-In(1)				
<b>1</b>	63	19.25	103.79	Open To Flow (2)				
Temperature	94	21.21	104.87	Shut-ln(2)				
•	133	542.48	105.65	End Shut-In(2)				
	134	1966.74	106.06	Final Hydro-static				

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02
* Recovery from r	multiple tests	

# Gas Rates

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

Trilobite Testing, Inc

Ref. No: 52872

Printed: 2013.10.01 @ 10:15:55



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St

Danfield 21 #1

New ton, KS 67114

Job Ticket: 52872

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 20:29:00

#### GENERAL INFORMATION:

Time Tool Opened: 22:22:00

Time Test Ended: 02:38:15

Formation:

Interval:

Total Depth:

Hole Diameter:

LKC"H&I"

Deviated:

Whipstock:

No

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

4163.00 ft (KB) To 4231.00 ft (KB) (TVD)

4231.00 ft (KB) (TVD) 7.88 inches Hole Condition: Good Reference Elevations:

3079.00 ft (KB) 3074.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 6772 Press@RunDepth:

Outside

psig @

4164.00 ft (KB)

2013.09.24

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2013.09.23 20:29:05

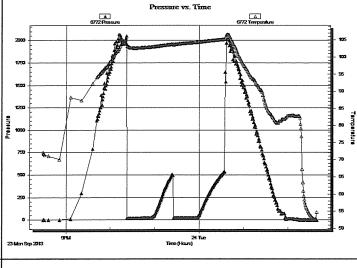
End Date: End Time:

02:38:29

Time On Btm: Time Off Btm: 2013.09.24

TEST COMMENT: IF: 1/4" Blow.

ISI: No Return. FF: No Blow. FSI: No Return.



#### PRESSURE SUMMARY

 Ime (Min.)	Pressure (psig)	(deg F)	Annotation	

# Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02
* Recovery from mu	ltiple tests	

# Gas Rates

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

Ref. No: 52872 Printed: 2013.10.01 @ 10:15:55 Trilobite Testing, Inc



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1 Job Ticket: 52872

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 20:29:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4043.00 ft Diameter:

3.80 inches Volume: 56.71 bbl 0.00 inches Volume:

Tool Weight:

2000.00 lb Weight set on Packer: 30000.00 lb

Drill Collar:

Length:

0.00 ft Diameter: 123.00 ft Diameter:

0.00 bbl 2.25 inches Volume: 0.60 bbl Total Volume:

Weight to Pull Loose: 65000.00 lb Tool Chased

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

31.00 ft 4163.00 ft 57.31 bbl

Depth to Bottom Packer:

ft

String Weight: Initial 54000.00 lb Final 54000.00 lb

Interval between Packers: Tool Length: Number of Packers:

68.00 ft 96.00 ft

2

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4136.00		
Shut In Tool	5.00			4141.00		
Hydraulic tool	5.00			4146.00		
Jars	5.00			4151.00		
Safety Joint	3.00			4154.00		
Packer	5.00			4159.00	28.00	Bottom Of Top Packer
Packer	4.00			4163.00		
Stubb	1.00			4164.00		
Recorder	0.00	6772	Outside	4164.00		
Recorder	0.00	8845	Outside	4164.00		
Perforations	29.00			4193.00		
Change Over Sub	1.00			4194.00		
Drill Pipe	31.00			4225.00		
Change Over Sub	1.00			4226.00		
Bullnose	5.00			4231.00	68.00	Bottom Packers & Anchor

Total Tool Length:

96.00

Ref. No: 52872 Printed: 2013.10.01 @ 10:15:56 Trilobite Testing, Inc



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52872

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 20:29:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type:

Oil API:

deg API

Mud Weight:

56.00 sec/qt

Cushion Length: Cushion Volume: ft Water Salinity: ppm

Viscosity: Water Loss:

7.98 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

bbl

Resistivity: Salinity:

Filter Cake:

0.00 ohm.m 5600.00 ppm 1.00 inches

**Recovery Information** 

Recovery Table

Length Description Volume bbl 5.00 Mud 100m 0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

0

Serial#:

Num Fluid Samples: 0

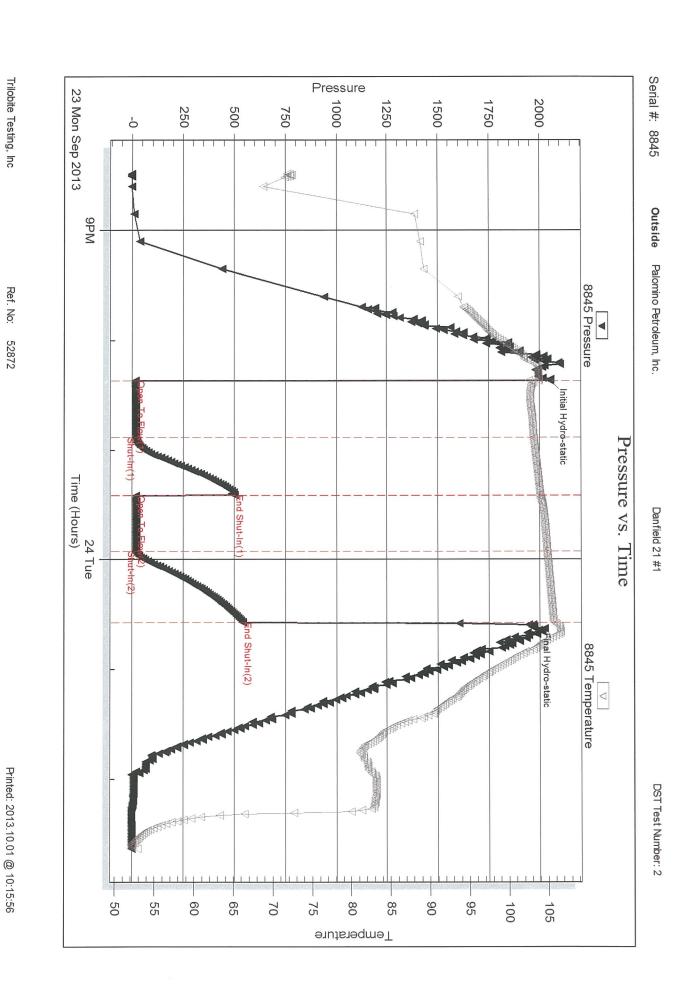
Laboratory Name:

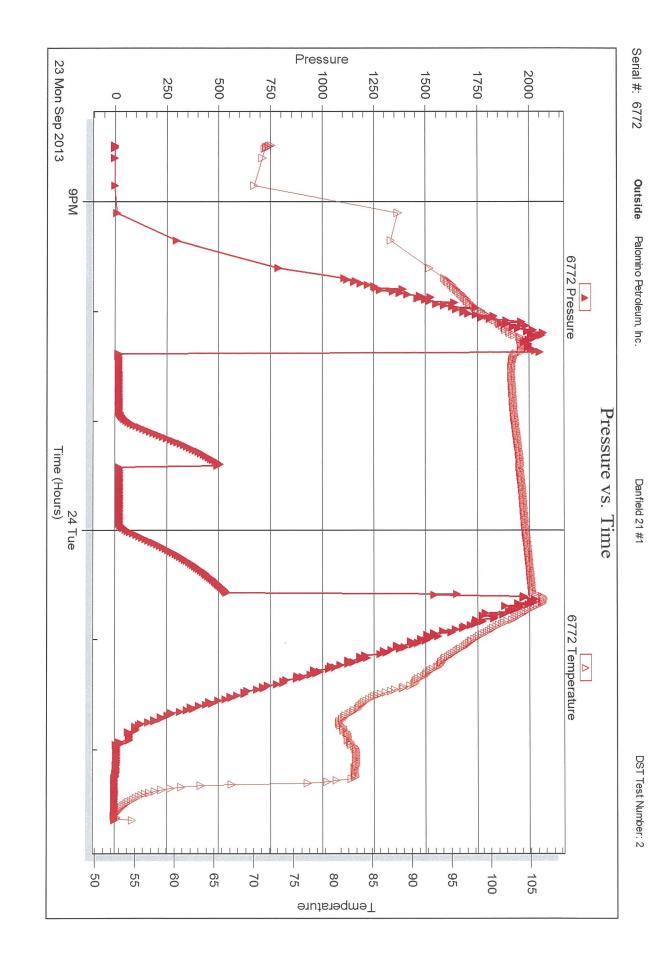
Num Gas Bombs:

Laboratory Location:

Recovery Comments:

Ref. No: 52872 Printed: 2013.10.01 @ 10:15:56 Trilobite Testing, Inc





Trilobite Testing, Inc

Ref. No:

52872

Printed: 2013.10.01 @ 10:15:57



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

## Danfield 21 #1

# 21-20s-34w Scott,KS

Start Date: 2013.09.24 @ 16:27:00 End Date: 2013.09.24 @ 21:58:45 Job Ticket #: 52873 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52873

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.09.24 @ 16:27:00

#### GENERAL INFORMATION:

Time Tool Opened: 18:13:00 Time Test Ended: 21:58:45

Formation:

Deviated:

No Whipstock: ft (KB)

Conventional Bottom Hole (Reset)

Tester:

Sam Esparza

Unit No:

64

Reference Elevations:

3079.00 ft (KB) 3074.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth: Hole Diameter: 4284.00 ft (KB) To 4387.00 ft (KB) (TVD) 4387.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Serial #: 8845 Press@RunDepth: Outside

1009.10 psig @

4285.00 ft (KB)

2013.09.24

Capacity:

8000.00 psig

Start Date: Start Time: 2013.09.24 16:27:05

End Date: End Time:

21:58:44

Last Calib.:

2013.09.24

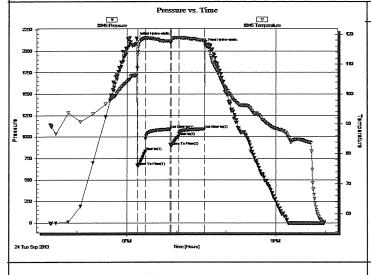
Time On Btm: Time Off Btm: 2013.09.24 @ 18:11:45 2013.09.24 @ 19:34:15

TEST COMMENT: IF: BOB @ 1 min.

ISI: No Return.

FF: BOB @ 45 seconds.

FSI: No Return.



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
(	2137.03	106.49	Initial Hydro-static
2	661.90	113.10	Open To Flow (1)
11	836.26	118.67	Shut-ln(1)
41	1089.58	117.57	End Shut-In(1)
42	895.57	117.19	Open To Flow (2)
51	1009.10	118.84	Shut-ln(2)
82	1090.55	117.86	End Shut-In(2)
83	2064.32	117.26	Final Hydro-static
	i	i .	1

#### Recovery

Length (ft)	Description	Volume (bbl)
1640.00	MV 5m 95w	21.88
315.00	MW 40m 60w	4.42
300.00	V/M 30w 70m	4,21
* Recovery from n	nultiple tests	

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 52873

Printed: 2013.10.01 @ 10:15:28



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52873

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.09.24 @ 16:27:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 18:13:00

Time Test Ended: 21:58:45

Formation:

Interval:

Total Depth:

ft (KB) Deviated: No Whipstock:

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No:

Reference Elevations:

3079.00 ft (KB)

4387.00 ft (KB) (TVD)

3074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

5.00 ft KB to GR/CF:

Serial #: 6772 Press@RunDepth: Outside

psig @

4284.00 ft (KB) To 4387.00 ft (KB) (TVD)

4285.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date:

2013.09.24

End Date:

2013.09.24 21:58:59

Time On Btm:

2013.09.24

Start Time:

16:27:05

End Time:

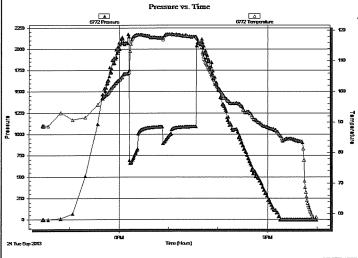
Time Off Btm:

TEST COMMENT: IF: BOB @ 1 min.

ISI: No Return.

FF: BOB @ 45 seconds.

FSI: No Return.



- 1	PRE	ESSU	JRE	SUN	MARY	

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

#### Recovery

Length (ft)	Description	Volume (bbl)
1640.00	MW 5m 95w	21.88
315.00	MW 40m 60w	4.42
300.00	WM 30w 70m	4.21

#### Gas Rates

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

Ref. No: 52873 Printed: 2013.10.01 @ 10:15:29 Trilobite Testing, Inc



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1 Job Ticket: 52873

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.09.24 @ 16:27:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4140.00 ft Diameter: 0.00 ft Diameter: 123.00 ft Diameter:

3.80 inches Volume: 58.07 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 0.60 bbl Tool Weight: 2000.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 70000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

4284.00 ft

Total Volume: 58.67 bbl Tool Chased 0.00 ft String Weight: Initial 52000.00 lb

Depth to Bottom Packer:

Length:

ft

Final 60000.00 lb

Interval between Packers: 103.00 ft Tool Length:

7.00 ft

131.00 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			4257.00		
Shut in Tool	5.00			4262.00		
Hydraulic tool	5.00			4267.00		
Jars	5.00			4272.00		
Safety Joint	3.00			4275.00		
Packer	5.00			4280.00	28.00	Bottom Of Top Packer
Packer	4.00			4284.00		
Stubb	1.00			4285.00		
Recorder	0.00	6772	Outside	4285.00		
Recorder	0.00	8845	Outside	4285.00		
Perforations	32.00			4317.00		
Change Over Sub	1.00			4318.00		
Drill Pipe	63.00			4381.00		
Change Over Sub	1.00			4382.00		
Bullnose	5.00			4387.00	103.00	Bottom Packers & Anchor

Total Tool Length:

131.00

Trilobite Testing, Inc Ref. No: 52873 Printed: 2013.10.01 @ 10:15:29



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1 Job Ticket: 52873

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.09.24 @ 16:27:00

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

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 50000 ppm

Viscosity: 50.00 sec/qt Cushion Volume: bbl

Water Loss:9.58 in³Gas Cushion Type:Resistivity:0.00 ohm.mGas Cushion Pressure:psig

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl	
1640.00	MW 5m 95w	21.884	
315.00	MW 40m 60w	4.419	
300.00	WM 30w 70m	4.208	

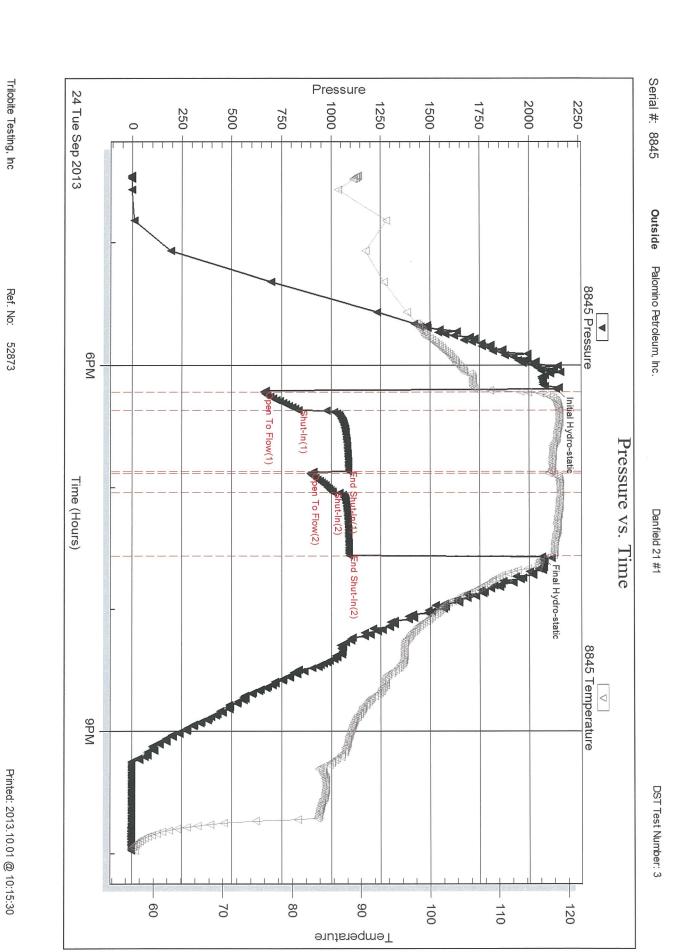
Total Length: 2255.00 ft Total Volume: 30.511 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Water Salinity: .152 @ 68 degrees= 50,000 ppm

Trilobite Testing, Inc Ref. No: 52873 Printed: 2013.10.01 @ 10:15:29



Trilobite Testing, Inc

Ref. No:

52873

Printed: 2013.10.01 @ 10:15:30

Serial #: 6772

Outside Palomino Petroleum, Inc.

Danfield 21 #1

DST Test Number: 3



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

## Danfield 21 #1

# 21-20s-34w Scott,KS

Start Date: 2013.09.25 @ 07:44:00 End Date: 2013.09.25 @ 12:08:45 Job Ticket #: 52874 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1 Job Ticket: 52874

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 07:44:00

# GENERAL INFORMATION:

Formation:

Pleasanton

Deviated:

Interval:

No

Whipstock:

ft (KB)

Time Tool Opened: 09:31:30 Time Test Ended: 12:08:45

4376.00 ft (KB) To 4445.00 ft (KB) (TVD)

Total Depth:

4445.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester:

Sam Esparza

Unit No:

64

Reference Elevations:

3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8845 Press@RunDepth: Outside

psig @

4377.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2013.09.25 07:44:05 End Date: End Time: 2013.09.25 12:08:44 Last Calib.:

2013.09.25

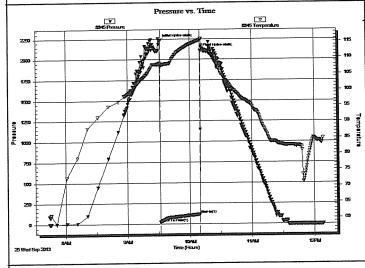
Time On Btm: Time Off Btm: 2013.09.25 @ 09:31:15 2013.09.25 @ 10:10:30

TEST COMMENT: IF: 10" Blow.

ISI: NA

FF: N/A Could not turn tool. Backlashing

FSI: N/A



# PRESSURE SUMMARY

t	Time	Pressure	Temp	Annotation
1	(Min.)	(psig)	(deg F)	
	0	2223.25	108.16	Initial Hydro-static
	1	19.61	106.97	Open To Flow (1)
	39	117.48	115.49	Shut-ln(1)
1	40	2104.62	115.93	Final Hydro-static
		İ		
	Į.	l	1	

#### Recovery

Description	Volume (bbl)
MVV 30m 70w	1.90

# Gas Rates

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

Trilobite Testing, Inc

Ref. No: 52874

Printed: 2013.10.01 @ 10:14:58



Palomino Petroleum, Inc.

21-20s-34w Scott.KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1 Job Ticket: 52874

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 07:44:00

# GENERAL INFORMATION:

Time Tool Opened: 09:31:30

Time Test Ended: 12:08:45

Formation:

Pleasanton

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No:

Interval:

4376.00 ft (KB) To 4445.00 ft (KB) (TVD)

Reference Elevations:

3079.00 ft (KB)

Total Depth:

4445.00 ft (KB) (TVD)

Outside

3074.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 6772

Press@RunDepth:

psig @

4377.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2013.09.25 07:44:05

End Date: End Time: 2013.09.25 12:08:59

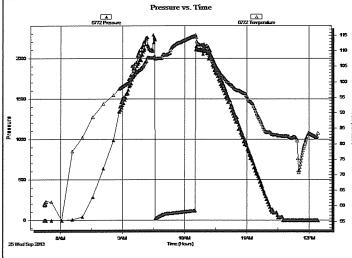
Time On Btm: Time Off Btm: 2013.09.25

TEST COMMENT: IF: 10" Blow.

ISI: NA

FF: N/A Could not turn tool. Backlashing

FSI: N/A



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

# Recovery

Length (ft)	Description	Volume (bbl)
215.00	MW 30m 70w	1.90
* Recovery from r	nultiple tests	

Gas	R	at	е	s	

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

Trilobite Testing, Inc.

Ref. No: 52874

Printed: 2013.10.01 @ 10:14:59



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52874

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 07:44:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4230.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 59.34 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume:

Tool Weight: Weight set on Packer: 30000.00 lb

2000.00 lb

Drill Collar: Length: 123.00 ft Diameter: 5.00 ft

0.60 bbl Total Volume:

Weight to Pull Loose: 75000.00 lb Tool Chased

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

4376.00 ft

59.94 bbl

String Weight: Initial 54000.00 lb

Depth to Bottom Packer: Interval betw een Packers:

ft 69.00 ft Final 55000.00 lb

Tool Length:

97.00 ft

Diameter:

6.75 inches

Number of Packers: Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4349.00		
Shut in Tool	5.00			4354.00		
Hydraulic tool	5.00			4359.00		
Jars	5.00			4364.00		
Safety Joint	3.00			4367.00		
Packer	5.00			4372.00	28.00	Bottom Of Top Packer
Packer	4.00			4376.00		
Stubb	1.00			4377.00		
Recorder	0.00	6772	Outside	4377.00		
Recorder	0.00	8845	Outside	4377.00		
Perforations	30.00			4407.00		
Change Over Sub	1.00			4408.00		
Drill Pipe	31.00			4439.00		
Change Over Sub	1.00			4440.00		
Bullnose	5.00	1		4445.00	69.00	Bottom Packers & Anchor

**Total Tool Length:** 

97.00

Ref. No: 52874 Trilobite Testing, Inc Printed: 2013.10.01 @ 10:14:59



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52874

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 07:44:00

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

Mud Type: Gel Chem

Cushion Type:

Oil API:

Water Salinity:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume:

ft

bbl

psig

55000 ppm

Viscosity: Water Loss: 48.00 sec/qt 10.38 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm Filter Cake: 2.00 inches

**Recovery Information** 

#### Recovery Table

Length ft	Description	Volume bbl
215.00	MW 30m 70w	1.895

Total Length:

215.00 ft

Total Volume:

1.895 bbl

Num Fluid Samples: 0

Num Gas Bombs:

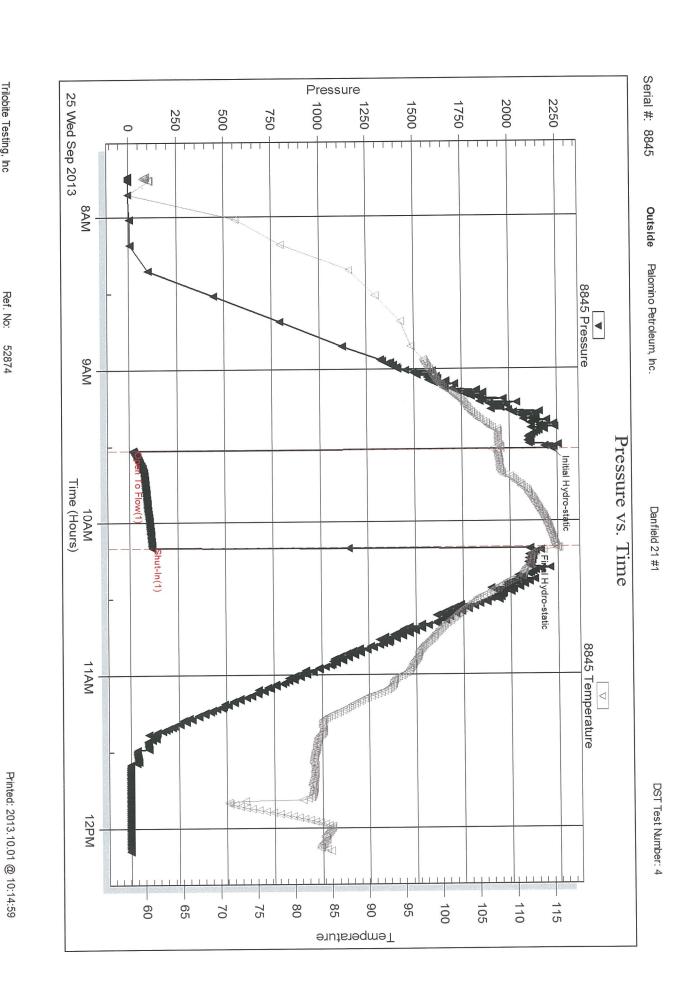
Serial#:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .119 @ 78 degrees = 55,000 ppm

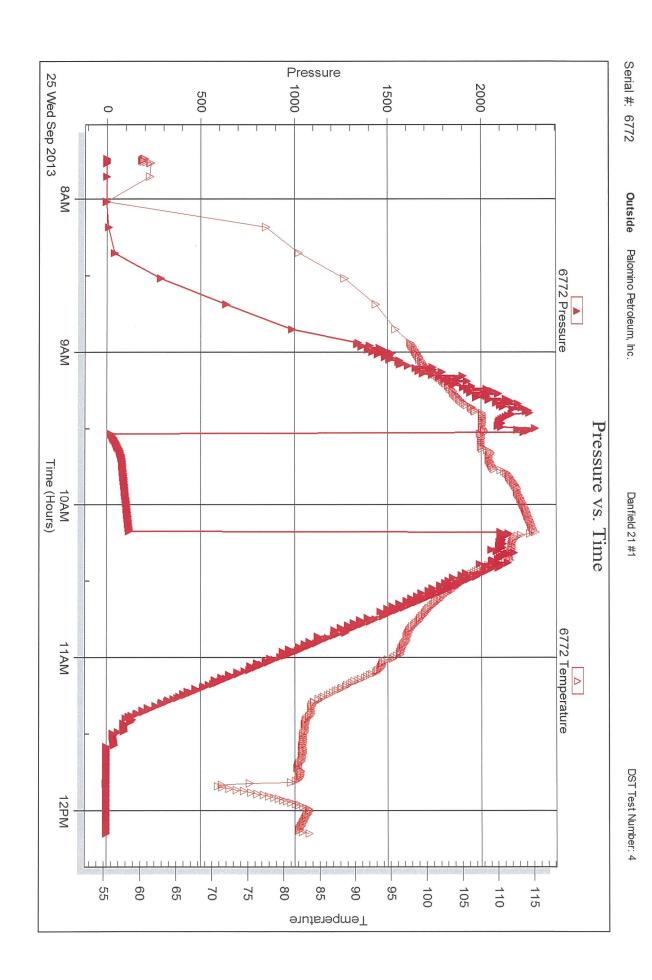
Trilobite Testing, Inc Ref. No: 52874 Printed: 2013.10.01 @ 10:14:59



Trilobite Testing, Inc

Ref. No:

52874



Trilobite Testing, Inc

Ref. No:

52874

Printed: 2013.10.01 @ 10:15:00



Prepared For:

Palomino Petroleum, Inc.

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

#### Danfield 21 #1

# 21-20s-34w Scott,KS

Start Date: 2013.09.25 @ 23:01:00

End Date: 2013.09.26 @ 07:22:00

Job Ticket #: 52875

DST#: 5

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

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



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52875

DST#: 5

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 23:01:00

#### GENERAL INFORMATION:

Time Tool Opened: 00:50:15 Time Test Ended: 07:22:00

Formation:

Marmaton

Deviated:

No Whipstock: ft (KB)

Test Type: Tester:

Conventional Bottom Hole (Reset)

Unit No:

Sam Esparza

Interval:

3079.00 ft (KB)

4458.00 ft (KB) To 4535.00 ft (KB) (TVD)

Reference Elevations:

3074.00 ft (CF)

Total Depth:

4535.00 ft (KB) (TVD)

5.00 ft

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

64

Serial #: 8845 Press@RunDepth: Outside

895.23 psig @

4459.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2013.09.25 23:01:05 End Date: End Time: 2013.09.26 Time On Btm: 07:21:59

2013.09.26 2013.09.26 @ 00:49:15

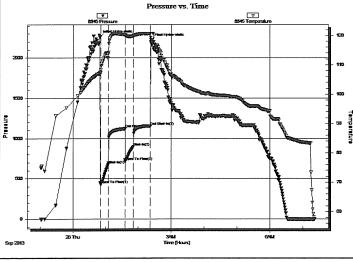
Time Off Btm:

2013.09.26 @ 02:23:00

TEST COMMENT: IF: BOB @ 1/2 Min.

ISI: Bled off for 5 min. BOB Return @ 8 min. FF: BOB Immediatly GTS @ 12 min.

FSI: Bled off for 5 min. BOB Return @ 11 min.



#### PRESSURE SUMMARY Time Pressure Temp Annotation (Min.) (psig) (deg F) 0 2258.07 107.29 Initial Hydro-static 107.42 Open To Flow (1) 433.46 1 16 675.20 113.70 Shut-ln(1) 47 1122.03 120.22 End Shut-In(1) 47 717.19 120.05 Open To Flow (2) 895.23 119.89 Shut-In(2) 62 1154.26 120.61 End Shut-In(2) 93 2220.60 Final Hydro-static 94 117.71

#### Recovery

Length (ft)	Description	Volume (bbl)
2930.00	GO 30g 70o	39.98
* Recovery from r	nultiple tests	

# Gas Rates

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

Trilobite Testing, Inc

Ref. No: 52875

Printed: 2013.10.01 @ 10:14:28



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

ATTN: Ryan Seib

Job Ticket: 52875 DST#: 5

Test Start: 2013.09.25 @ 23:01:00

#### GENERAL INFORMATION:

Time Tool Opened: 00:50:15

Time Test Ended: 07:22:00

Formation:

Marm aton

Deviated:

Interval:

No Whipstock: ft (KB)

Conventional Bottom Hole (Reset)

Tester:

Sam Esparza

Unit No:

3079.00 ft (KB)

4458.00 ft (KB) To 4535.00 ft (KB) (TVD)

4535.00 ft (KB) (TVD)

Reference Elevations:

3074.00 ft (CF)

Total Depth: Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 6772 Press@RunDepth: Outside

psig @

4459.00 ft (KB)

Capacity: 2013.09.26 Last Calib.: 8000.00 psig

Start Date: Start Time: 2013.09.25 23:01:05

End Date: End Time:

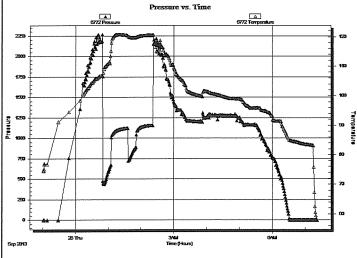
07:22:14

Time On Btm: Time Off Btm: 2013.09.26

TEST COMMENT: IF: BOB @ 1/2 Min. ISI: Bled off for 5 min. BOB Return @ 8 min.

FF: BOB Immediatly GTS @ 12 min.

FSI: Bled off for 5 min. BOB Return @ 11 min.



# PRESSURE SUMMARY

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

#### Recovery

Length (ft)	Description	Volume (bbl)
2930.00	GO 30g 70o	39.98
* Recovery from mo	ultiple tests	•

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 52875 Printed: 2013.10.01 @ 10:14:28



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1 Job Ticket: 52875

DST#: 5

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 23:01:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4327.00 ft Diameter:

0.00 ft Diameter: Length: 123.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

60.70 bbl

0.00 bbl 0.60 bbl 61.30 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 85000.00 lb Tool Chased 0.00 ft

String Weight: Initial 54000.00 lb Final 60000.00 lb

Drill Pipe Above KB: 20.00 ft Depth to Top Packer:

4458.00 ft Depth to Bottom Packer:

ft Interval between Packers: 77.00 ft 105.00 ft Tool Length:

Number of Packers:

Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4431.00		
Shut in Tool	5.00			4436.00		
Hydraulic tool	5.00			4441.00		
Jars	5.00			4446.00		
Safety Joint	3.00			4449.00		
Packer	5.00			4454.00	28.00	Bottom Of Top Packer
Packer	4.00			4458.00		
Stubb	1.00			4459.00		
Recorder	0.00	6772	Outside	4459.00		
Recorder	0.00	8845	Outside	4459.00		
Perforations	6.00			4465.00		
Change Over Sub	1.00			4466.00		
Drill Pipe	63.00			4529.00		
Change Over Sub	1.00			4530.00		
Bullnose	5.00			4535.00	77.00	Bottom Packers & Anchor

**Total Tool Length:** 105.00

Printed: 2013.10.01 @ 10:14:29 Trilobite Testing, Inc Ref. No: 52875



**FLUID SUMMARY** 

31 deg API

ppm

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 52875

DST#: 5

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 23:01:00

Oil API:

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

Viscosity: Water Loss: 50.00 sec/qt 10.38 in<sup>3</sup>

Resistivity:

0.00 ohm.m 6000.00 ppm

Salinity: Filter Cake:

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

ft

psig

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
2930.00	GO 30g 70o	39.980

Total Length:

2930.00 ft

Total Volume:

39.980 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

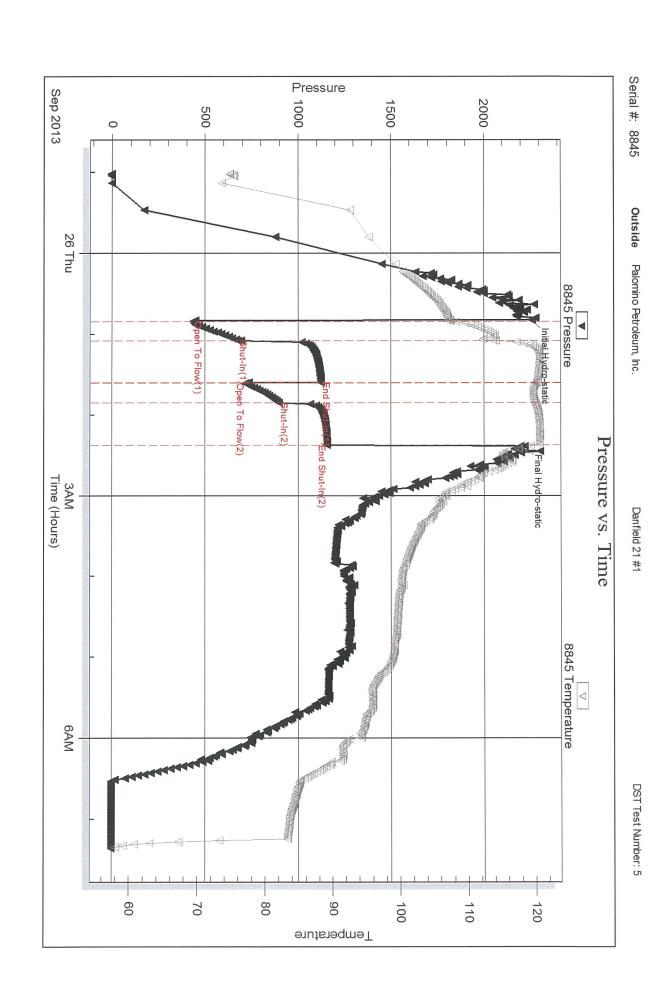
Laboratory Location:

Recovery Comments: Oil API: 31 @ 60 degrees= 31 deg API

Trilobite Testing, Inc

Ref. No: 52875

Printed: 2013.10.01 @ 10:14:29

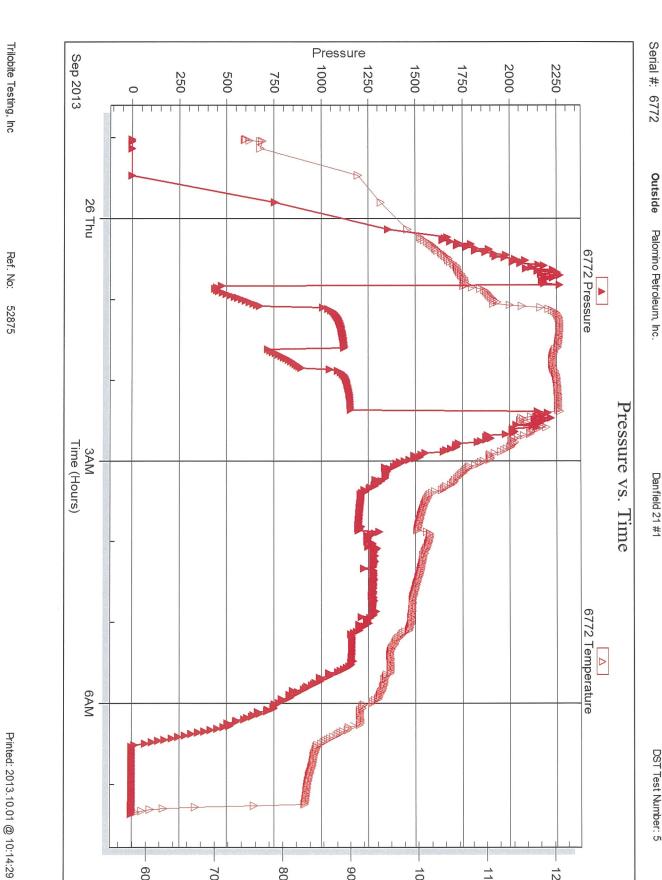


Trilobite Testing, Inc

Ref. No:

52875

Printed: 2013.10.01 @ 10:14:29



Temperature

Outside Palomino Petroleum, Inc.

Danfield 21 #1



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

Danfield 21 #1

21-20s-34w Scott,KS

Start Date: 2013.09.26 @ 16:28:00 End Date: 2013.09.26 @ 22:59:15 Job Ticket #: 54726 DST #: 6

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 54726

DST#: 6

ATTN: Ryan Seib

Test Start: 2013.09.26 @ 16:28:00

#### **GENERAL INFORMATION:**

Formation:

Interval:

Pawnee

Deviated: No ft (KB)

Test Type: Conventional Bottom Hole (Reset) Tester:

Sam Esparza

Unit No:

Time Tool Opened: 18:39:15 Time Test Ended: 22:59:15

4530.00 ft (KB) To 4600.00 ft (KB) (TVD)

Reference Elevations: 3079.00 ft (KB) 3074.00 ft (CF)

Total Depth: 4600.00 ft (KB) (TVD)

5.00 ft KB to GR/CF:

Hole Diameter:

7.88 inches Hole Condition: Good

Serial #: 8845 Press@RunDepth: Outside

39.51 psig @

Whipstock:

4531.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2013.09.26 16:28:05

End Date: End Time:

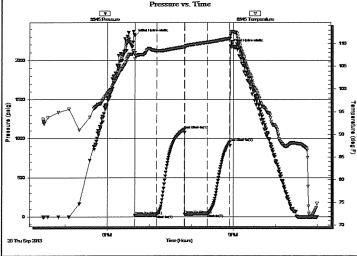
2013.09.26 22:59:14 Last Calib.: Time On Btm: 2013.09.26

Time Off Btm:

2013.09.26 @ 18:39:00 2013.09.26 @ 20:56:00

TEST COMMENT: IF: 1/4" Blow.

ISI: No Return. FF: No Blow. FSI: No Return.



	PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	2312.14	107.94	Initial Hydro-static			
	1	17.42	106.65	Open To Flow (1)			
	31	27.23	108.44	Shut-ln(1)			
4	71	1115.70	109.27	End Shut-In(1)			
ecime	72	31.01	108.98	Open To Flow (2)			
Temperature (deg F)	104	39.51	110.26	Shut-In(2)			
0eb)	136	952.65	111.13	End Shut-In(2)			
J	137	2183.12	111.83	Final Hydro-static			

#### Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m	0.05
* Recovery from n	multiple tests	

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

Printed: 2013.10.01 @ 10:13:54 Ref. No: 54726 Trilobite Testing, Inc



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1 Job Ticket: 54726

DST#: 6

ATTN: Ryan Seib

Test Start: 2013.09.26 @ 16:28:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4389.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 61.57 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume:

Tool Weight:

2000.00 lb

Drill Collar: Length:

123.00 ft Diameter:

0.60 bbl Total Volume: 62.17 bbl Weight set on Packer: 30000.00 lb Weight to Pull Loose: 80000.00 lb

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

10.00 ft 4530.00 ft

Diameter:

Tool Chased String Weight: Initial 56000.00 lb

Depth to Bottom Packer: Interval between Packers: 70.00 ft

ft

Final 56000.00 lb

Tool Length:

98.00 ft

2

6.75 inches

Number of Packers:

Tool Comments:

_ 15	1 (14)	0 1 11 -	D = = 141 = ==	D 41- (64)	A 1 41	
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4503.00		
Shut In Tool	5.00			4508.00		
Hydraulic tool	5.00			4513.00		
Jars	5.00			4518.00		
Safety Joint	3.00			4521.00		
Packer	5.00			4526.00	28.00	Bottom Of Top Packer
Packer	4.00			4530.00		
Stubb	1.00			4531.00		
Recorder	0.00	6772	Outside	4531.00		
Recorder	0.00	8845	Outside	4531.00		
Perforations	31.00			4562.00		
Change Over Sub	1.00			4563.00		
Drill Pipe	31.00			4594.00		
Change Over Sub	1.00			4595.00		
Bullnose	5.00			4600.00	70.00	Bottom Packers & Anchor

Total Tool Length:

98.00

Ref. No: 54726 Printed: 2013.10.01 @ 10:13:55 Trilobite Testing, Inc



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Danfield 21 #1

Job Ticket: 54726

DST#: 6

ATTN: Ryan Seib

Test Start: 2013.09.26 @ 16:28:00

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

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type: Cushion Length: Oil API:

deg API

Mud Weight: Viscosity:

48.00 sec/qt

Cushion Volume:

Water Salinity:

ppm

Water Loss: Resistivity:

8.79 in<sup>3</sup> 0.00 ohm.m

Gas Cushion Type: Gas Cushion Pressure:

psig

ft

bbl

Salinity: Filter Cake: 6400.00 ppm 1.00 inches

### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100m	0.049

Total Length:

10.00 ft

Total Volume:

0.049 bbl

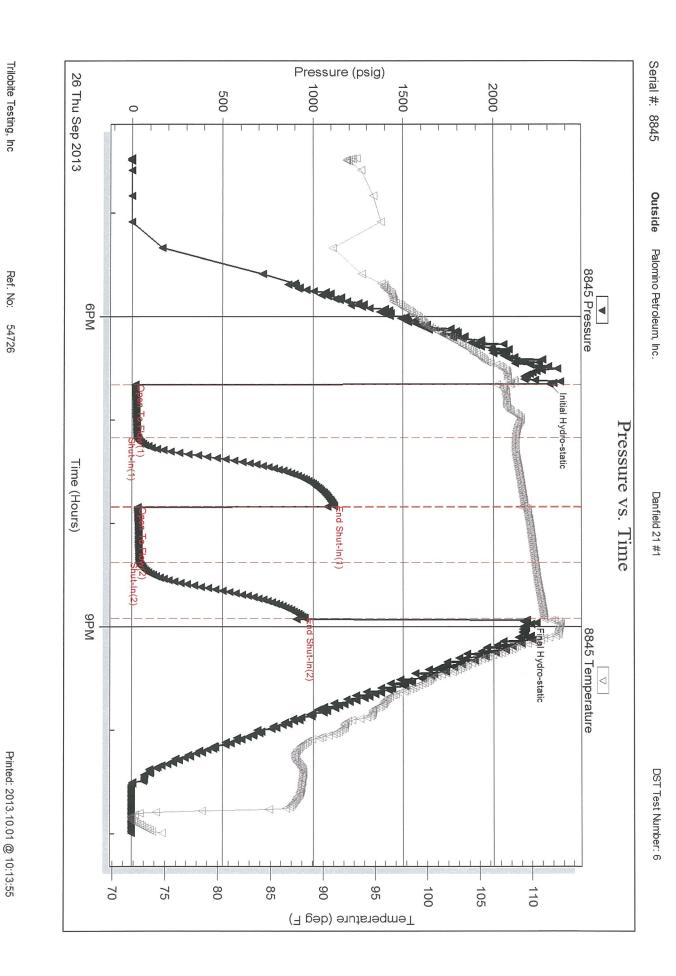
Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location: Serial#:

Laboratory Name:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 54726 Printed: 2013.10.01 @ 10:13:55





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

# **Test Ticket**

No. 52871

- 11		.1	01/		
Well Name & No. Danfield 21 # 1	Test No.	1.	Date	<i>[3</i>	
Company Palonino Petroleum, I	Elevation	3079	кв 3074	GL.	
Address 4924 SE 84 5T	New 160. KS 6711	4	and Administration of the Administration of		
Los Bon / Coo Rus & Salla	Rin (A)	W 110		ususalaus - verpole de l'ele el elleres	
Location: Sec. 2 Twp. 30 \$	Rgo. 34WCo. Sca	<u>&gt;++</u>	State KS	>	
Interval Tested 4102 - 4171	Zone Tested Lansing	'G"	an consission of the second		
Anchor Length 69'			Mud Wt. 9, 1	and the second s	
Top Packer Depth 4098	Drill Collars Run <u>123</u>	punggan and an and an analysis of the second	Vis 64		
Bottom Packer Depth 4/0 0	Wt. Pipe Run 🖉	- country or participation of the second	WL 7.2		
Total Depth 4/7/	Chlorides <u>3600</u>	ppm System	LCM		
Blow Description IF: BOB @ 4m	ia			W	
ISI: No Return.	. Vi. of the control	content observations demonstrated to 1000 and 10	and the second experimental exp		
Andrew Control of the Section of the	Alexander de la companya della companya de la companya de la companya della compa	the second Ministrational Committee and the World Market	or transmission regions and the second secon	material services and the services and the services and the services are services as the services are services are services as the services are se	
FSI: No Return.	nga yankaga nagay yaya (i) (i) (ii) - i - i - i - i - i - i - i - i - i	name or company and the state of the state o			
Rec 250 Feet of WM	%gas		45 %water 5	_	
Rec 660 Feet of MW				S %mud	
RecFeet of	· %gas	%oil		%muc	
RecFeet of	%gas		%water	%muc	
RecFeet of	%gas	and the state of t	%water	%muc	
Rec Total 9/6 BHT 114	Gravity API RW19		F Chlorides 3800	oo ppn	
(A) Initial Hydrostatic 2052	Test 1250		Location 2:30		
(B) First Initial Flow 59	Jars 250		rted 3:49 on 6:20		
(C) First Final Flow	Safety Joint 75		led $8/07$	and the second s	
(D) Initial Shut-In /000	Circ Sub N/C		10:39		
(E) Second Initial Flow	Cl Hourly Standby		ments		
(F) Second Final Flow 442	De Mileage 46 R/T	71.30		anger a grant and the second and	
(G) Final Shut-In	CI Sampler			and the second	
(H) Final Hydrostatic 2019	Cl Straddle		Ruined Shale Packer	go ay	
2		u I	Ruined Packer		
Initial Open dO	☐ Extra Packer	O (	Extra Copies		
Initial Shut-In 30	☐ Extra Recorder	Sub	Total 0		
Final Flow 20	Cl Day Standby	Tota	1896.30	makking and the state of the st	
Final Shut-In 30	. C Accessibility	MP/	DST Øisc't	<b>一</b> う	
	Sub Total <u>1896.30</u>				
Approved By	Our Representa	live	ustained directly or indirectly three	onah the use of it	
Intobite Testing Inc. shall not be tiable for damaged of any kind of the propequipment, or its statements or opinion concerning the results of any test,	erry or personner or the one for whom a lest is made, or h tools fost or damaged in the hole shall be paid for al cost	by the party for whom th	e test is made	and the same of the	



**Test Ticket** 

NO. 52872

1515 Commerce Parkway • Hays, Kansas 67601

Woll Name & No. Darkield 21 #1	Test No.	2 Date 9/23/13
Company Palonino Petroleum, In	C. Elevation	979 кв 3°74 gl
Address 4924 SE 84# ST	Newton KS 67114	
Co. Rep/Geo. Ryan Seib	Rig WW #	10
Location: Sec. 21 Twp. 20\$	Age. 34w co. Scott	State K5
Interval Tested 4163 - 4231	Zone Tested Lansing "HFZ	/ l
Anchor Length 68	Drill Pipe Run 4043	Mud Wt. 9,2
Top Packer Depth 4159	Drill Collars Run 23	Vis
Bottom Packer Depth 4163	Wt. Pipe Run	wi. 8,0
Total Depth <u>4231</u>	Chlorides <u>5600</u> ppm	System LCM /
Blow Description IF: 4" Blow.		
ISI: No Return.		
FF: NO Blow.		
FSI: NO Return.		
Rec 5 Feet of Mud	%gas	%oil %water 1006mud
Rec Feet of	%gas	%oil %water %mud
RecFeet of	%gas	%oil %water %mud
RecFeet of	%gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec Total 5 BHT 106	Gravity API RW — @	
(A) Initial Hydrostatic 2052	Test 1250	T-On Location 20: 10
(B) First Initial Flow	Jars 250	T-Started 20:29
(C) First Pinal Flow 79	Safety Joint 75	T-Open 22.23 T-Pulled 00:35
(D) Initial Shut-In 502	Circ Sub N	T-Out
(E) Second Initial Flow	Cl Hourly Standby	
(F) Second Final Flow	X Mileage 46 R/T 71.30	Comments
(G) Final Shut-In 542	C1 Sampler	
(H) Final Hydrostatic	CI Straddle	Ruined Shale Packer
7 .	Shale Packer 250	☐ Ruined Packer
Initial Open <u>SO</u>	🗅 Extra Packer	
Initial Shut-In 30	🗀 Extra Recorder	•
Final Flow	Day Standby	Total 1896.30
Final Shut-In 30	☐ Accessibility	MP/DSTyOisc't
_	Sub Total 1896.30	
Approved By 150	Our Representative	
Indubite Testing Inc. std. not be liable for damaged of any kind of the property equipment, or its statements or opinion concerning the results of any test, tools	or personnel of the one for whom a test is made, or for any loss lost or damaged in the hole shall be paid for at cost by the part	suffered or sustained, directly or indirectly, through the use of its y for whom the test is made



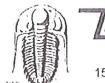
# RILOBITE | ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

# **Test Ticket**

NO. 52873

Well Name & No. Danfield 21 # 1		Test No.	3	Date 9/24	/13
Company Palomino Petroleum, Inc	, e	Elevation 3.			GL.
Address 4524 SE 84 ST X	lewton KS 67	114			The second copper
Co. Rep/Geo. Ryan Soil		Rig WW	些10	The Contract and a limit for the contract appropriate property programs on the contract of the contract appropriate and contract appropriate appropriate and contract appropriate and contract appropriate and contract appropriate and contract appropriate appropriate appropriate and contract appropriate appropriate and contract appropriate appropriate and contract appropriate appr	The state of the s
Location: Sec. 21 Twp. 205	Rge. <u>34</u> w	co. Scott		State /	<b>45</b>
Interval Tosted 4284-4387	Zone Tested				
Anchor Length 103	Drill Pipe Run	4140		Mud Wt. 9.3	CONTRACTOR AND LABOR STREET
Top Packer Depth 4280		123		vis50	
Bottom Packer Depth 4284		<b></b>		WL 9.6	- According
Total Dopth 4387	. (	> <i>O</i> ppm		LCM /	
Blow Description IF: BoB@ 1 m	ί <u>α:</u>				
ISI: NO Return:					Temple 11 construction
FF: BoB @ 45 S	aconds.	The same formation of the same supplies to the same		embelor Pro-Chappe - roomen rode, meningaringspace by you	d un transfer in any application of the
FSI; NO Katur					non commente and control and c
Rec 300 Feet of WM		%gas	%oil	ろの %water	>0 %mud
Rec 315 Feet of MW	t attitut to all about a consideration of the department of the about the consideration of the about the consideration and the consideration of the about the consideration of the about the consideration and the considera	%gas	%oil	60 %water	
Rec 1640 Feet of MW		%gas	%oil	95 %water	5 %mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of	* * * *			%water	%mud
Rec Total 2255 BHT 118	Gravity	APIRW . 152 @		1 4	
(A) Initial Hydrostatic 2137	Test 1250			ocation 16:00	
(B) First Initial Flow 662	Jars 250	and defining the second of the		ed _ /6:3	
(C) First Final Flow 836	Safety Joint	75		18:12	the state of the s
(D) Initial Shut-In 1090	DX Circ Sub N/C			d_19:33 21:59	
(E) Second Initial Flow	Hourly Standby			ents Had Has	5 6.5
(F) Second Final Flow 1009	M Mileage 46	K/T 71.30	Met	~ Roma Sho	wed
(G) Final Shut-In 1091	LI Sampler		9.5	5 PPM	
(H) Final Hydrostatic 2664	U Straddle		C) Ru	ined Shale Packer	THE STATE OF THE S
<i>1</i>	Shale Packer 2	50	CI Ru	ined Packer	* VIII.
Initial Open	☐ Extra Packer		□ Ех	tra Copies	
Initial Shut-In SO	☐ Extra Recorder		Sub To	otal 0	
Final Flow 70	☐ Day Standby		Total_	1896.30	
Final Shut-In 30	U Accessibility		MP/D	ST //isc't	
1 A	Sub Total 1896.	30	1		
Approved By	Our	Representative		Since describeration	
equipment, or its statements or opinion concerning the results of any test, tool	or personner or the one for whom a s lost or damaged in the hole shall b	e paid for at cost by the party	onered or susta for whom the te	onso, unechy or monechy, the est is made	nouga me ose 61 as



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

# **Test Ticket**

No. 52874

4/10					
Well Name & No. Dunfield 21 #	Test N	vo. 4	Date 9/25/13		
Company Palonino Petrolum,	Inc. Eleva	tion_3079	KB 3.74	Gl.	
Address 4924 SE 842 ST	Newton, KS 67114				
Co. Rep/Geo. Ryan Scib	Rig	WW #10			
Location: Sec. 21 Twp. 20\$	Rge. 34W co. 5	Scott	state KS		
Interval Tested 4376 - 4445	Zone Tested Pleason	lon			
Anchor Length 69	Drill Pipe Run 4230	2	Mud Wt. 9,4		
Top Packer Depth 4372	Drill Collars Run 123		vis 48		
Bottom Packer Depth 4376	Wt. Pipe Run		WL 10:4		
Total Depth 4445	Chlorides 6000	ppm System	LCM _/		
Blow Description IF: 10" Blow	)				
TEI:					
	Could Not turn to	ol Gacksp	rianing		
PSJ: 101, V		-			
Rec 215 Feet of MW	% <u>n</u>		70 %water 30	O %mud	
Rec Feet of	% <u>(</u> )		%water	%mud	
RecFeet of			%water	%mud	
Rec Feet of			%water	%mud	
RecFeet of	%g	,	%water	%mud	
Rec Total 215 BITT 1/6	Gravity API RW_/			ppn	
(A) Initial Hydrostatic 223	Test 1050	T-On I	Location 7:30 ted 7:44		
(B) First Initial Flow 20	Jars 250	T-Star	11. 20		
(C) First Final Flow	Safety Joint 75	•	ed 10:09		
(D) Initial Shut-In	Circ Sub NC		12:08		
(E) Second Initial Flow	Hourly Standby	Comm	The state of the s		
(F) Second Final Flow	Mileage 46 K/T	71.30			
(G) Final Shut-In / V/	☐ Sampler	· · · · · · · · · · · · · · · · · · ·	V. 10. 10. 1		
(H) Final Hydrostatic 2103	☐ Straddle		uined Shale Packer		
30	Shale Packer 250		unied Packer		
Initial Open	☐ Extra Packer		xtra Copies		
Initial Shut-In	☐ Extra Recorder	***	oia) 0		
Final Flow	Day Standby		1696.30		
Final Shut-In	☐ Accessibility	MP/0	OST/Disc't		
	Sub Total 1696.30	tation of	5		
Approved By	Our Represent operty or personnel of the one for whom a test is made, or	or for any loss suffered or sus	itaines, directly or indirectly, through	the use of its	
equipment, or its statements or opinion concerning the results of any tea	t, tools lost or damaged in the hole shall be paid for at co	ist by the party for whom the	test is made		



# **Test Ticket**

No. 52875

4/10 1/4/00%;					
Well Name & No. Danfled 21 Hol		_ Test No	5 (	Date 9/25/1.	3
Company Palo riso Petroleum, Inc		Elevation	_	KB 3074	GI.
Address 4924 SE 841 ST NU	uton, KS 67114				
Co. Rep/Geo. Bran Scily	,	Rig WU	¥10	ng tata , ganasananananananananananananananan ar ya iliganya karansananananan	The second secon
Location: Sec. 31 Twp. 20\$	Rge. 34W	co. Scott		State KS	· Cint summand description and set (see
Interval Tested 4456 - 4535	Zone Tested May	-maton		***************************************	
Anchor Length 77	Drill Pipe Run 4		Mu	ıd WI. 9.3	ten ten .
Top Packer Depth 4454	Drill Collars Run			50	
Bottom Packer Depth 4456	Wt. Pipe Run			10.4	The second secon
Total Depth 4535	Chlorides 6000			м	And the second s
Blow Description IF: Bob 3 min.				and the second s	
ISI: Bled off for 5	min. BOB Ret	9 m	8 min.	n a nata <del>mangapa</del> di t	
FF: BOB immediath			Managaman and the second company of the seco	EAST 1 PROJECTION CONTRACTOR OF THE PROJECT OF THE	minusianaman sina 1 al 11 al 400
FSI: Bled offer 5 ,	nia. BoB@ 11 A	in.			
Rec 2930 Feet of GO	ک	o %gas	70 <sub>%oil</sub>	%waler	%mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeat of	and the second s	%gas	%oil	%waler	%mud
Rec Total 2930 BIT 121	Gravity 3/ AP	I RW			ppm
(A) Initial Hydrostatic	X Test 1250			tion 22:45	
(B) First Initial Flow 433	Jars 250			23:01	
(C) First Final Flow 675	Safety Joint 75	·		00:50	anadalis atau sa
(D) Initial Shut-In	X Circ Sub (45E)	50	T-Pulled 6	•	
(E) Second Initial Flow	☐ Hourly Standby	and the second s	T-Out7	Gravity: 316	26231
(F) Second Final Flow	Mileage 46 R	JT 71.3	Oomments	ed out int	
(G) Final Shut-In//54	Cl Sampler		///	20	and the second s
(H) Final Hydrostatic 222 (	CJ Straddle	a delication and constitution and consti	— U Ruined	I Shale Packer	The second secon
, . <u>.</u> _	Shale Packer 25	50	- U Ruined	l Packer	100 mm
Initial Open	Extra Packer	troppolaring to be a selected on the selection of the sel	— 🔲 Extra C	Copies	
Initial Shut-In 3D	Extra Recorder		Sub Total	0	or one analysis and the second
Final Flow	☐ Day Standby		Total1	1946.30	William Co. C. C. Lake Co.
Final Shut-In 30	☐ Accessibility		MP/D9T	Disc't	
,	Sub lotal 1946.30	opp regulating py a man a second seco	/		



# **Test Ticket**

**NO.** 54726

4/10	15 to Commerce Farkwa	ay • Hayə, Kalisas Or	001			
Well Name & No.	Janfield 21 H1		Test No	6	Date 9/26	/13
Company Palom	ino Petroleum, In		~	0079	_кв <u>3</u> 07	4GL
	4 SE 84th STN		114			
Co. Rep / Geo R	iyan Seib		Rig WW	410		
Location: Sec. <u>2</u>		Rge. <u>34 W</u>	co. <u>_ Scott</u>		State _k	<u> </u>
<u> </u>	530 - 4600	Zone Tested	awine			
Anchor Length		Drill Pipe Run	4389	N	1ud Wt. 9.3	
Top Packer Depth		Drill Collars Rur		v	1s 48	
Bottom Packer Depth			g	v	VL <u> </u>	
Total Depth4		Chlorides 6	<del>1</del> 00 ppn	n System L	см	
Blow Description						
	I! No Return.					
FF	: NO Blow		-			
F&L'	". NO Return					
Rec	Feet of Mind		%gas	%oil	%water	100 %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of	Militara difficialisti bisalangan da tara da arangan yang ang panganan sa	%gas	%ọil	%water	%mud
Rec	Feet of	. Autor to choose militare and considerated and considerate considerate constructions.	%gas	%oil	%water	%mud
Rec Total	внт Ш	Gravity	API RW	@°F (	Chlorides	ppm
	2312	X Test 1250	·	_ T-On Loc	ation /6: '05	<u> </u>
(B) First Initial Flow		(X) Jars 250		T-Started	16:28	
(C) First Final Flow	<u> </u>	Safety Joint	75	T-Open		
(D) Initial Shut-In		OX Circ Sub 1	<u> </u>		20.154	-
(E) Second Initial Flow	, 31	☐ Hourly Standby			22:59	- 40
(F) Second Final Flow	40	X Mileage 46	RITXA	142.69 <b>7.0</b>	is Londer 1	0015 (W)
(G) Final Shut-In		☐ Sampler	•	17.0	0_//0/0/	
(H) Final Hydrostatic_	2183	☐ Straddle		- Or Ruine	ed Shale Packer_	350
	2	Shale Packer	250	~ \	ed Packer	
Initial Open	<u></u>	Extra Packer			Copies	
Initial Shut-In		☐ Extra Recorder			800	
Final Flow		Day Standby/	X 1d 18h		3117.60	
Final Shut-In	30	- <b>V</b>		_ MP/D/6T	Disc't	- W
		Sub Total 1967.	60	- //_		<del></del>
		_		M		

Approved By

Our Representative

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 stillered 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.