

Confidentiality Requested:

Yes No

## Kansas Corporation Commission Oil & Gas Conservation Division

1269607

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 III Approved by: Date:							

Page Two



Operator Name:				_ Lease I	Name: _			Well #:	
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b d.	ottom hole temp	erature, fluid recov
Final Radioactivity Lo files must be submitte						ogs must be ema	alled to kcc-well-	logs@kcc.ks.go	v. Digital electronic
Drill Stem Tests Taker (Attach Additional		Y	es No			J	on (Top), Depth		Sample
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run			es No						
List All E. Logs Run:									
				RECORD	Ne				
	0: 11.1					ermediate, product		" 0 1	T 15
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives	
Perforate Protect Casing	Top Dottom								
Plug Back TD Plug Off Zone									
1 lug 0 li 20 lio									
Did you perform a hydrau	ulic fracturing treatment of	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)
Does the volume of the t			-		-			skip question 3)	
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, i	ill out Page Three	of the ACO-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Ceme	nt Squeeze Recor	rd Depth
						(* *			200
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:			
		0017111				[	Yes N	o	
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!	
DISPOSITION Solo	ON OF GAS:  Used on Lease		N Open Hole	∥ETHOD OF Perf.			mmingled	PRODUCTION	ON INTERVAL:
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Daniels 1
Doc ID	1269607

## Tops

Name	Тор	Datum
Anhy.	2164	(+843)
Base Anhy.	2179	(+828)
Heebner	3878	(-871)
Lansing	3924	(-917)
Stark	4257	(-1250)
ВКС	4387	(-1380)
Marmaton	4411	(-1404)
Pawnee	4499	(-1492)
Ft. Scott	4527	(-1520)
Cherokee Sh.	4539	(-1532)
Miss.	4799	(-1792)
LTD	4900	(-1893)



#### **REMIT TO**

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

RECEIVED

MAIN OFFICE

OCT 0 5 2015

P.O.Box884 Chanute, KS 66720

620/431-9210,1-800/467-8676 Fax 620/431-0012

Invoice# Invoice

805891

Invoice Date:

09/30/15

Terms:

Net 30

Page

1

PALOMINO PETROLEUM, INC.

4924 SE 84T NEWTON KS USA		DAN	IIELS #1		
======= Part No	Description	======================================	Unit Price D	:======= iscount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	7.1500	30.000	250.25
CE0710	Cement Delivery Charge	1.000	678.5600	30.000	474.99
CC5871	Surface Blend II, 2% Gel/3% CaCl	165.000	23.0000	30.000	2,656.50
			;	Subtotal	6,331.06
			Discounted	Amount	1,899.32
			SubTotal After Discount		4,431.74
		:==========	Amount Du	e 6,653.64 If paid	d after 10/30/15
				Tax:	225.80
				Total:	4 657 54

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

Total:

4,657.54



4368 4063

TICKET NUMBER 49583

LOCATION Oakley K5

FOREMAN Holly Gabe

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676 FIELD TICKET & TREATMENT REPORT

	or 800-467-8676			CEMEN		INPOTE	2000LL 9	
DATE	CUSTOMER#	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
9-30-15	6285	Paniel	5 #1		26	20	34W	Scott
CUSTOMER				Scort				
MAILING ADDRE	ralamin	0		C:+X	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRE	200			540	731	DELCHA		
A(T)/		ICTATE I	ZIP CODE	Scott	566	DC NO		
CITY		STATE	LIP CODE	co.line	640			
				INEWINT				
	rface_	HOLE SIZE 12	49	HOLE DEPTH	1218	CASING SIZE & W		244
CASING DEPTH		DRILL PIPE		TUBING	7.		OTHER	
SLURRY WEIGH	A STATE OF THE STA	SLURRY VOL		WATER gal/s	k	CEMENT LEFT in	CASING	
DISPLACEMENT		DISPLACEMENT		MIX PSI		RATE		
REMARKS: 50	etety me	setting 6	- gge	g 42	on lot	d,01#w	toke c	reulq-
nixed	165 57	ss com	30/0C	C 2909	eldis	Placed w	1+10 12	2001
Dater,	Shut )	n			*			
	CEM	ent di	19 C.	rcula	ate			
Ac	Drox 5	0+ 10d	Pit					
								/01
							Than	Dejoy
							Trelet	die
CODE	QUANITY	or UNITS	Di	ESCRIPTION of	SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
C\$ 0450	- 1		PUMP CHAR	GF			150000	150000
CE0002	50		MILEAGE				715	35750
C 80710	7.71			or Jegan	delivery	*::.*:	175	67856
_ 601102			CONT	II. Ge	Cleice			
	11 7	525			1		2300	2-000
CC 587	100							13/40
		24-2	200140	ce bien	3 41		00-	37959
		24-7	20014	ce bien	3 - 11		4.5-	3/45=
			200.40	ce bien			7.5	3/45=
		24-7	241.4	ce bien			7.5-	3795=
		24-7	241.4	ce bien			73-	3745=
		24-7	200740	ce blen			73-	37432
			241.40	ce blen			73-	3745=
			200740	ce bien			73-	3745=
			20074	ce bien			A3-	37432
			20074	ce bien			7.3	3745=
			200740	ce bien			7.3	3745=
			20074	ce bien			5ub	63310
			20074	ce bien		J.		6331 O
			2.00.74	ce bien		Ze		6331 0 1899 3 4431 3
			20074	ce bien		Ze	5ub 203090 Tota	63310 18993 44313 225.8
avin 3797	D-10		20074	ce bien		Ze		18993 18993 44313 225.8

# Oil Well Services, LLC

#### **REMIT TO**

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

RECEIVED

P.O.Box884

MAIN OFFICE

OCT 17 7015 Change, 12 - 620/431-9210,1-800/467-8676 Fax 620/431-0012

806044 Invoice#

Page

Invoice Date:

Invoice

10/14/15

\_\_\_\_\_\_\_ Terms:

Net 30

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET NEWTON KS 67114-8827

Daniels #1

USA		,			
=========			==========		
Part No	Description	Quantity	Unit Price Di	scount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	7.1500	30.000	250.25
CE0710	Cement Delivery Charge	1.000	1,015.8800	30.000	711.12
CC5829	Lite-Weight Blend V (60:40:4)	270.000	16.0000	30.000	3,024.00
CC6075	Celloflake	68.000	2.0000	30.000	95.20
CP8228	8 5/8" Wooden Plug	1.000	165.0000	30.000	115.50
			Subtotal 7		7,494.38
			Discounted Amount		2,248.31
			SubTotal After D	iscount	5,246.07
			Amount Due	e 7,887.17 If paid	d after 11/13/15
========	.======================================	=========	=========		========:
				Tax:	274.95
				Total:	5,521.02

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

AUTHORIZTION Mil Metgan

4483 4386 1900ice #80

**TICKET NUMBER** LOCATION **FOREMAN** 

			,		
FIEL	.D TICKI	ET & 1	ΓREAT	MENT !	REPORT
			1		

PO Box 834, C	hanute, KS 667	20 FIELD	HCKEI &	IKEA	IMENIK	EPORI		
620-431-9210	or 800-467-8676	,	C	EMEN.	T t			Ks
DATE	CUSTOMER#	WELL NA	ME & NUMBER	1	SEÇTION	TOWNSHIP	RANGE	COUNTY
16-12-15	6285	Daniel	5 #1	· i, ·	. 26	205	. 34w	Scott
CUSTOMER	$O_{I}$	•	Sa	of City				*
		rino	Sa	th to40	TRUCK#		TRUCK#	DRIVER
MAILING ADDRE	ESS	•		toCherch	<u>. 753°</u>	Michael 1	?	· ·
		•	. 51	Lo flags	530-TU			. :
CITY .		STATE ZIP		Ninto	-,			
			· [:					
JOB TYPE	lua	HOLE SIZE 77	<u>в</u> но	LE DEPTH	4870	CASING SIZE 8	WEIGHT	
CASING DEPTH		DRILL PIPE 4/	Z TUI	BING			OTHER	
SLURRY WEIGH	IT. 13.8	SLURRY VOL /	42 WA	TER gal/sl	κ .	CEMENT LEFT	in CASING	
DISPLACEMENT		DISPLACEMENT PS		( PSI		RATE		
REMARKS:	_ ^ _	ecting stie			10 alua	vas ordera	d , 41	2705K
life wil		# f105 eg /	3 (1)	·	or prag	y as or ger	<u> </u>	
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•			-		
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES	or PRODUCT	UNIT PRICE	TOTAL
CEOUSO	/	PUMP CHARGE		150000	15000
CEOOOZ	<i>5</i> 0	MILEAGE		7-13	3575
CE 07/0	11.60	ton milegar deliv	erin.	1,25	101588
			/ · · · · ·	•	
3 CC 5829	270 sKs	Litebland V	1	1600	43200
CC 6075	68±	floseal	1.	200	13000
CP 8228	1	8 /8 worden plug		16500	16500
	· .			. 1	
			1	Schlefel	7494=
				-30%	22483
				506 10101	52460
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			-		
-				SALES TAX	274.9
Ravin 3737	0 11.			ESTIMATED	552/10

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.

#### TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

## SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

- (a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
- (b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for . and indemnify and hold COWS harmless from any claim for. (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation. performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

- (c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials; or the results of any COWS' treatment or services.
- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research, analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.
- (e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

## WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS' or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



Prepared For: Palomino Petroleum

> 4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

#### Daniels #1

## 26-20s-34w Scott,KS

Start Date: 2015.10.08 @ 14:57:47 End Date: 2015.10.08 @ 20:16:17 Job Ticket #: 61776 DST#: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum

26-20s-34w Scott,KS

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

Time Off Btm:

Job Ticket: 61776

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.10.08 @ 14:57:47

2015.10.08 @ 18:35:17

#### **GENERAL INFORMATION:**

Formation: LKC I

Deviated: No Whipstock: ft (KB)

t (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 16:33:17 Tester: Brandon Turley

Time Test Ended: 20:16:17 Unit No:

Interval: 4160.00 ft (KB) To 4204.00 ft (KB) (TVD) Reference Elevations: 3007.00 ft (KB)

Total Depth: 4204.00 ft (KB) (TVD) 3003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 4.00 ft

Serial #: 8166 Outside

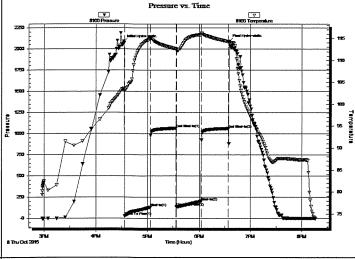
Press@RunDepth: 201.96 psig @ 4161.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2015.10.08
 End Date:
 2015.10.08
 Last Calib.:
 2015.10.08

 Start Time:
 14:57:52
 End Time:
 20:16:16
 Time On Btm:
 2015.10.08 @ 16:32:17

TEST COMMENT: IF: BOB in 20 min.

IS: No return. FF: BOB in 23 min. FS: No return.



	Time	Pressure	ιemp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2088.49	103.56	Initial Hydro-static	
	1	26.91	103.02	Open To Flow (1)	
	31	128.90	114.84	Shut-ln(1)	
	61	1061.97	112.61	End Shut-In(1)	
•	62	134.74	112.28	Open To Flow (2)	
	90	201.96	115.87	Shut-In(2)	
	122	1060.19	114.27	End Shut-In(2)	
	123	2090.19	114.32	Final Hydro-static	

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 95%w 5%m	1.52
226.00	w cm 30%w 60%m	3.17
0.00	10ppm H2S	0.00

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 61776 Printed: 2015.10.12 @ 13:31:23



Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114 Daniels #1

Job Ticket: 61776

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.10.08 @ 14:57:47

GENERAL INFORMATION:

Formation: LKC I

Time Tool Opened: 16:33:17

Time Test Ended: 20:16:17

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester: **Brandon Turley** 

Reference Elevations:

Unit No:

3007.00 ft (KB)

3003.00 ft (CF)

4.00 ft KB to GR/CF:

Interval: Total Depth: Hole Diameter: 4160.00 ft (KB) To 4204.00 ft (KB) (TVD)

4204.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Serial #: 8373 Inside

Press@RunDepth:

psig @

4161.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2015.10.08

End Date:

2015.10.08

Time On Btm:

2015.10.08

14:57:20

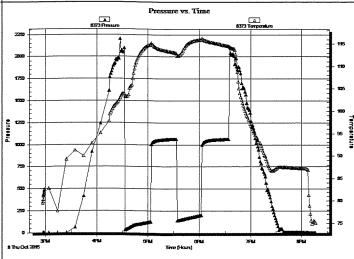
End Time:

20:16:14

Time Off Btm:

TEST COMMENT: IF: BOB in 20 min. IS: No return.

> FF: BOB in 23 min. FS: No return.



#### PRESSURE SUMMARY

		' '	120001	L COMMONTAL
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
-				
Temperatura				
	l			

#### Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 95%w 5%m	1.52
226.00	w cm 30%w 60%m	3.17
0.00	10ppm H2S	0.00

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 61776 Printed: 2015.10.12 @ 13:31:23



**TOOL DIAGRAM** 

Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114 Daniels #1

Job Ticket: 61776

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.10.08 @ 14:57:47

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4044.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 56.73 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: 120.00 ft Diameter:

0.59 bbl

Weight to Pull Loose: 55000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

31.00 ft 4160.00 ft Total Volume: 57.32 bbl Tool Chased

0.00 ft

Depth to Bottom Packer:

ft

String Weight: Initial 48000.00 lb

Final 52000.00 lb

Interval between Packers: 44.00 ft Tool Length:

71.00 ft 2

Diameter:

6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4134.00		*AAATTAAN
Shut In Tool	5.00			4139.00		
Hydraulic tool	5.00			4144.00		
Jars	5.00			4149.00		
Safety Joint	2.00			4151.00		
Packer	5.00			4156.00	27.00	Bottom Of Top Packer
Packer	4.00	· · · · · · · · · · · · · · · · · · ·		4160.00		
Stubb	1.00			4161.00		
Recorder	0.00	8373	Inside	4161.00		
Recorder	0.00	8166	Outside	4161.00		
Perforations	5.00			4166.00		
Change Over Sub	1.00			4167.00		
Drill Pipe	31.00			4198.00		
Change Over Sub	1.00			4199.00		
Bullnose	5.00			4204.00	44.00	Bottom Packers & Anchor

**Total Tool Length:** 

71.00

Trilobite Testing, Inc

Ref. No: 61776



**FLUID SUMMARY** 

Palomino Petroleum 26-20s-34w Scott,KS

4924 SE 84th St Daniels #1 Newton, KS 67114

Job Ticket: 61776 DST#: 1

ATTN: Ryan Seib Test Start: 2015.10.08 @ 14:57:47

**Mud and Cushion Information** 

1.00 inches

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API 31000 ppm

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

Viscosity: 55.00 sec/qt Cushion Volume: bbl

Water Loss: 7.98 in<sup>3</sup> Gas Cushion Type: Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 3400.00 ppm

**Recovery Information** 

Filter Cake:

Recovery Table

Length ft	Description	Volume bbl
186.00	mcw 95%w 5%m	1.516
226.00	w cm 30%w 60%m	3.170
0.00	10ppm H2S	0.000

Total Length: 412.00 ft Total Volume: 4.686 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .20@82=31000

Ref. No: 61776 Printed: 2015.10.12 @ 13:31:23 Trilobite Testing, Inc

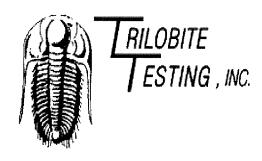
Trilobite Testing, Inc.

Ref. No:

61776

Tritobite Testing, Inc.

Ref. No: 61776



Prepared For: Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

#### Daniels #1

## 26-20s-34w Scott,KS

Start Date: 2015.10.09 @ 19:05:21 End Date: 2015.10.10 @ 00:23:21 Job Ticket #: 61777 DST #: 2

Trilobite Testing, Inc

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



Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114

Job Ticket: 61777

Daniels #1

DST#: 2

ATTN: Ryan Seib

ft (KB)

Test Start: 2015.10.09 @ 19:05:21

**GENERAL INFORMATION:** 

Formation: Marmaton

Deviated: No Whipstock: Test Type: Conventional Bottom Hole (Reset)

Brandon Turley

Time Tool Opened: 20:50:51 Time Test Ended: 00:23:21

Tester:

Unit No: 79

3007.00 ft (KB)

Reference Elevations:

3003.00 ft (CF)

KB to GR/CF:

Total Depth:

Serial #: 8166

4378.00 ft (KB) To 4490.00 ft (KB) (TVD)

4.00 ft

Hole Diameter:

Interval:

4490.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

8000.00 psig

Press@RunDepth: Start Date:

37.13 psig @ 2015.10.09

Outside

4379.00 ft (KB) End Date:

2015.10.10

Last Calib.: Time On Btm:

Capacity:

2015.10.10

Start Time:

19:05:26

End Time:

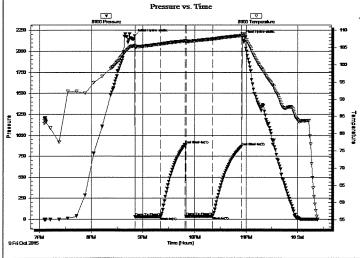
00:23:20

Time Off Btm:

2015.10.09 @ 20:50:21 2015.10.09 @ 22:55:21

TEST COMMENT: IF: 1/4" blow died in 8 min.

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



#### PRESSURE SUMMARY

ı	T REGOOKE GOWNARY				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
١	0	2183.40	105.53	Initial Hydro-static	
	1	30.03	105.01	Open To Flow (1)	
	31	31.05	106.02	Shut-In(1)	
	59	886.27	106.91	End Shut-In(1)	
	60	34.70	106.70	Open To Flow (2)	
	91	37.13	107.47	Shut-ln(2)	
	124	864.26	108.46	End Shut-In(2)	
	125	2164.85	108.97	Final Hydro-static	
١					

#### Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05
* Recovery from r	nultiple tests	· · · · · · · · · · · · · · · · · · ·

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 61777



Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114

Daniels #1

Job Ticket: 61777

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.10.09 @ 19:05:21

Test Type: Conventional Bottom Hole (Reset)

**Brandon Turley** 

#### GENERAL INFORMATION:

Formation:

Marmaton

Deviated:

No Whipstock: ft (KB)

Time Tool Opened: 20:50:51 Time Test Ended: 00:23:21

Interval:

4378.00 ft (KB) To 4490.00 ft (KB) (TVD)

Total Depth:

4490.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Unit No: Reference Elevations:

Tester:

3007.00 ft (KB)

3003.00 ft (CF)

KB to GR/CF:

79

4.00 ft

Serial #: 8373 Press@RunDepth: Inside

psig @

4379.00 ft (KB)

2015.10.10

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2015.10.09

End Date:

00:23:39

Time On Btm:

2015.10.10

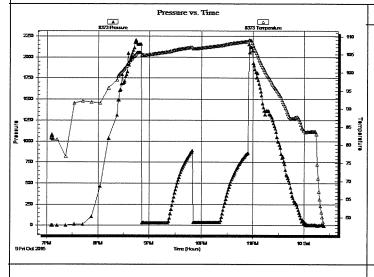
19:05:15

End Time:

Time Off Btm:

TEST COMMENT: IF: 1/4" blow died in 8 min.

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



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

#### Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05
* Recovery from n	nultiple tests	

Gas	Rates

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

Trilobite Testing, Inc.

Ref. No: 61777



**TOOL DIAGRAM** 

Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton,KS 67114 Daniels #1

Job Ticket: 61777

Tool Chased

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.10.09 @ 19:05:21

Tool Information

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

Length: 4262.00 ft Diameter: 0.00 ft Diameter: 120.00 ft Diameter:

3.80 inches Volume: 59.78 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.59 bbl 60.37 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 30000.00 lb

Weight to Pull Loose: 65000.00 lb 0.00 ft

Drill Pipe Above KB: 31.00 ft 4378.00 ft Depth to Top Packer:

Depth to Bottom Packer: Interval between Packers: 112.00 ft

Tool Length:

139.00 ft 2

String Weight: Initial 50000.00 lb Final 50000.00 lb

Number of Packers:

Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4352.00		
Shut In Tool	5.00			4357.00		
Hydraulic tool	5.00			4362.00		
Jars	5.00			4367.00		
Safety Joint	2.00			4369.00		
Packer	5.00			4374.00	27.00	Bottom Of Top Packer
Packer	4.00		•	4378.00		
Stubb	1.00			4379.00		
Recorder	0.00	8373	Inside	4379.00		
Recorder	0.00	8166	Outside	4379.00		
Perforations	9.00			4388.00		
Change Over Sub	1.00			4389.00		
Drill Pipe	95.00			4484.00		
Change Over Sub	1.00			4485.00		
Bullnose	5.00			4490.00	112.00	Bottom Packers & Anchor

**Total Tool Length:** 

139.00

Trilobite Testing, Inc Ref. No: 61777 Printed: 2015.10.12 @ 13:30:35



**FLUID SUMMARY** 

Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114 Daniels #1 Job Ticket: 61777

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.10.09 @ 19:05:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: Viscosity:

9.00 lb/gal 53.00 sec/qt

Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Water Loss:

8.79 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

bbl psig

ft

Resistivity:

0.00 ohm.m 5000.00 ppm

Salinity: Filter Cake:

2.00 inches

## **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length:

10.00 ft

Total Volume:

0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

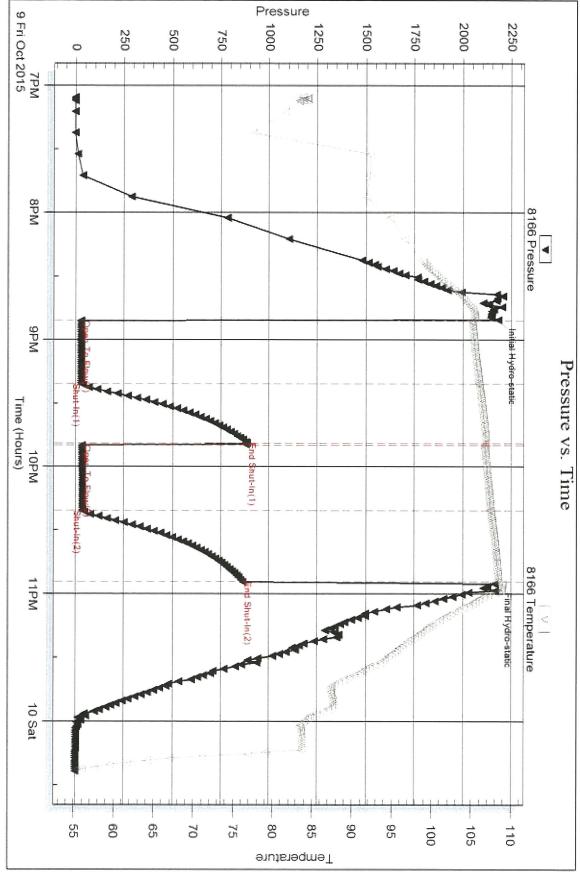
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 61777





110

105

60

65

70

80

75

85

Temperature

90

95

100



Prepared For: Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

## Daniels #1

## 26-20s-34w Scott,KS

Start Date: 2015.10.10 @ 06:30:24 End Date: 2015.10.10 @ 11:36:54 Job Ticket #: 61778 DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

Daniels #1

26-20s-34w Scott, KS

Job Ticket: 61778

DST#: 3

Test Start: 2015.10.10 @ 06:30:24

**GENERAL INFORMATION:** 

Formation: Pawnee

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:04:54

Time Test Ended: 11:36:54

4488.00 ft (KB) To 4520.00 ft (KB) (TVD) Interval:

Total Depth: 4520.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Outside

06:30:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No:

Reference Elevations:

3007.00 ft (KB)

3003.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8166

Start Time:

Press@RunDepth:

85.04 psig @ Start Date: 2015.10.10

4489.00 ft (KB) End Date:

2015.10.10 End Time:

Capacity: Last Calib :

Time Off Btm:

8000.00 psig 2015.10.10

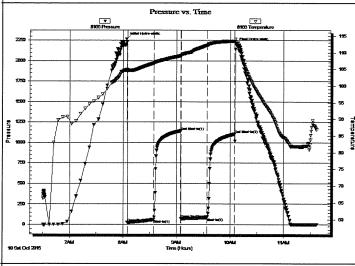
11:36:53 Time On Btm: 2015.10.10 @ 08:03:54 2015.10.10 @ 10:06:24

TEST COMMENT: IF: 1/4" blow built to 3" in 30 min.

IS: No return.

FF: Surface blow built to 1 1/2"

FS: No return.



#### PRESSURE SUMMARY

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2263.87	104.60	Initial Hydro-static
	1	23.06	104.31	Open To Flow (1)
	31	59.22	106.77	Shut-ln(1)
	61	1143.16	109.01	End Shut-In(1)
	61	72.89	108.89	Open To Flow (2)
	90	85.04	112.15	Shut-In(2)
3	121	1104.65	113.38	End Shut-In(2)
	123	2200.32	113.01	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 10%w 90%m	0.30
91.00	mud oil spots 100%m	0.73
* Recovery from r	nultiple tests	

#### Gas Rates

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

Printed: 2015.10.12 @ 13:29:58

Trilobite Testing, Inc Ref. No: 61778



Palomino Petroleum

26-20s-34w Scott, KS

4924 SE 84th St Newton, KS 67114 Daniels #1

Job Ticket: 61778

DST#: 3

ATTN: Ryan Seib Test Start: 2015.10.10 @ 06:30:24

#### GENERAL INFORMATION:

Formation:

Interval:

Pawnee

Deviated:

No Whipstock: ft (KB)

Tester: Brandon Turley

Reference Elevations:

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 08:04:54

Time Test Ended: 11:36:54

Unit No:

79

3007.00 ft (KB)

4488.00 ft (KB) To 4520.00 ft (KB) (TVD)

3003.00 ft (CF)

Total Depth: 4520.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF:

4.00 ft

Serial #: 8373

Press@RunDepth:

Inside

psig @

4489.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2015.10.10

End Date:

2015.10.10

Last Calib.: Time On Btm: 2015.10.10

Start Time:

06:30:17

End Time:

11:37:11

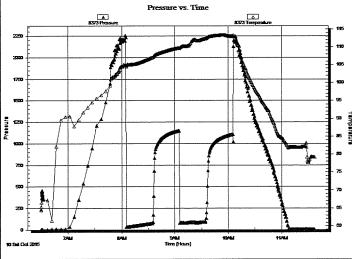
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 3" in 30 min.

IS: No return.

FF: Surface blow built to 1 1/2"

FS: No return.



#### PRESSURE SUMMARY

-	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	, ,	" 0,	` ,	
-1				
ă,				
Temperature				
_				
	:			

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 10%w 90%m	0.30
91.00	mud oil spots 100%m	0.73
* Recovery from r	nultiple tests	

#### Gas Rates

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

Ref. No: 61778 Printed: 2015.10.12 @ 13:29:58 Trilobite Testing, Inc



**TOOL DIAGRAM** 

Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114

Job Ticket: 61778

Daniels #1

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.10.10 @ 06:30:24

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4360.00 ft Diameter: Length:

0.00 ft Diameter: 120.00 ft Diameter:

3.80 inches Volume: 61.16 bbl 0.00 inches Volume: 2.25 inches Volume: Total Volume:

0.00 bbl 0.59 bbl 61.75 bbl Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 60000.00 lb

Tool Chased 0.00 ft String Weight: Initial 50000.00 lb

Final 50000.00 lb

Drill Pipe Above KB: 19.00 ft Depth to Top Packer: 4488.00 ft

Depth to Bottom Packer: ft Interval between Packers: 32.00 ft Tool Length: 59.00 ft

Number of Packers:

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4462.00		
Shut In Tool	5.00			4467.00		
Hydraulic tool	5.00			4472.00		
Jars	5.00			4477.00		
Safety Joint	2.00			4479.00		
Packer	5.00			4484.00	27.00	Bottom Of Top Packer
Packer	4.00			4488.00		
Stubb	1.00			4489.00		
Recorder	0.00	8373	Inside	4489.00		
Recorder	0.00	8166	Outside	4489.00		
Perforations	26.00			4515.00		
Bullnose	5.00			4520.00	32.00	Bottom Packers & Anchor

**Total Tool Length:** 59.00

Trilobite Testing, Inc Ref. No: 61778 Printed: 2015.10.12 @ 13:29:58



**FLUID SUMMARY** 

Palomino Petroleum 26-20s-34w Scott, KS

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

Job Ticket: 61778

DST#: 3

ATTN: Ryan Seib Test Start: 2015.10.10 @ 06:30:24

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type: Cushion Length: Oil API:

0 deg API

Mud Weight: Viscosity: 9.00 lb/gal 53.00 sec/qt

Cushion Volume:

Water Salinity:

0 ppm

Water Loss:

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

Gas Cushion Type: Gas Cushion Pressure:

psig

ft

bbl

Resistivity: 0.00 ohm.m Salinity: 5000.00 ppm Filter Cake: 2.00 inches

**Recovery Information** 

Recovery Table

 Length ft
 Description
 Volume bbl

 60.00
 w cm 10%w 90%m
 0.295

 91.00
 mud oil spots 100%m
 0.730

Total Length:

151.00 ft

Ref. No: 61778

Total Volume:

1.025 bbl

Serial #:

Num Fluid Samples: 0 Laboratory Name: Num Gas Bombs: 0

Laboratory Location:

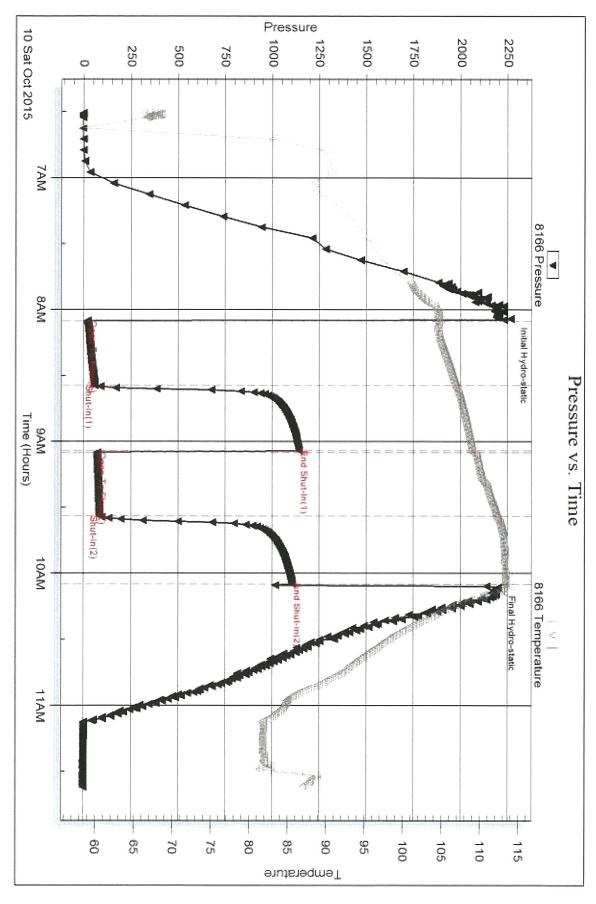
Recovery Comments:

Trilobite Testing, Inc

Printed: 2015.10.12 @ 13:29:59

Serial #: 8166

Outside Palomino Petroleum



Trilobite Testing, Inc.

Ref. No: 61778

Printed: 2015 10.12 @ 13:29:59



Prepared For: Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

#### Daniels #1

#### 26-20s-34w Scott,KS

Start Date: 2015.10.11 @ 12:01:58
End Date: 2015.10.11 @ 15:28:58
Job Ticket #: 61779 DST #: 4

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum

26-20s-34w Scott.KS

4924 SE 84th St Newton, KS 67114 Daniels #1

Job Ticket: 61779

DST#:4

ATTN: Ryan Seib

Test Start: 2015.10.11 @ 12:01:58

#### GENERAL INFORMATION:

Time Tool Opened: 13:52:28

Time Test Ended: 15:28:58

Formation:

Interval:

Total Depth:

Morrow

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Brandon Turley

Unit No:

79

3007.00 ft (KB)

Reference Elevations:

3003.00 ft (CF)

KB to GR/CF:

4.00 ft

Hole Diameter:

Outside

Press@RunDepth:

psig @

4716.00 ft (KB) To 4807.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

4717.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2015.10.11

4807.00 ft (KB) (TVD)

End Date:

2015.10.11

Last Calib.: Time On Btm:

2015.10.11 2015.10.11 @ 13:51:58

Serial #: 8166

12:02:03

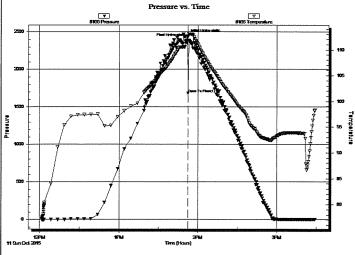
End Time:

15:28:58

Time Off Btm:

2015.10.11 @ 13:52:58

TEST COMMENT: Packers failed at open.



	PRESSURE SUMMARY					
	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	2441.93	112.57	Initial Hydro-static		
	1	1683.36	112.49	Open To Flow (1)		
	1	2389.24	113.00	Final Hydro-static		
1						
-						
•						
	,					
-						
-						

## Length (ft) Description Volume (bbl) 150.00 mud 100%m 1.01

Recovery

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

\* Recovery from multiple tests Trilobite Testing, Inc

Ref. No: 61779



Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114 Daniels #1 Job Ticket: 61779

DST#:4

ATTN: Ryan Seib

Test Start: 2015.10.11 @ 12:01:58

#### GENERAL INFORMATION:

Time Tool Opened: 13:52:28

Time Test Ended: 15:28:58

Formation:

Interval:

Total Depth:

Morrow

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Brandon Turley

Unit No: 79

Reference Elevations:

3007.00 ft (KB) 3003.00 ft (CF)

KB to GR/CF:

4.00 ft

Hole Diameter:

4716.00 ft (KB) To 4807.00 ft (KB) (TVD) 4807.00 ft (KB) (TVD) 7.88 inches Hole Condition: Good

Serial #: 8373

Inside

Press@RunDepth:

psig @

4717.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2015.10.11

End Date:

2015.10.11

Time On Btm:

1899.12.30

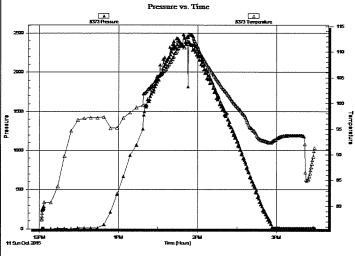
12:01:43

End Time:

15:29:08

Time Off Btm:

TEST COMMENT: Packers failed at open.



	PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
1							
Tamaration							
•							
1							

#### Recovery

Description	Volume (bbl)
mud 100%m	1.01
	`

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

Ref. No: 61779 Trilobite Testing, Inc



**TOOL DIAGRAM** 

Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114 Daniels #1 Job Ticket: 61779

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.10.11 @ 12:01:58

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4592.00 ft Diameter: 0.00 ft Diameter:

120.00 ft Diameter: 2.25 inches Volume:

3.80 inches Volume: 0.00 inches Volume:

64.41 bbl 0.00 bbl 0.59 bbl Tool Weight: 2000.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 52000.00 lb

Total Volume: 65.00 bbl Tool Chased 0.00 ft String Weight: Initial 52000.00 lb

Final 52000.00 lb

Drill Pipe Above KB: 23.00 ft Depth to Top Packer: 4716.00 ft

Length:

Depth to Bottom Packer: ft Interval between Packers: 41.00 ft 68.00 ft Tool Length:

Number of Packers:

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4690.00		
Shut In Tool	5.00			4695.00		
Hydraulic tool	5.00			4700.00		
Jars	5.00			4705.00		
Safety Joint	2.00			4707.00		
Packer	5.00			4712.00	27.00	Bottom Of Top Packer
Packer	4.00			4716.00		
Stubb	1.00			4717.00		
Recorder	0.00	8373	Inside	4717.00		
Recorder	0.00	8166	Outside	4717.00		
Perforations	1.00			4718.00		
Change Over Sub	1.00			4719.00		
Drill Pipe	32.00			4751.00		
Change Over Sub	1.00			4752.00		
Bullnose	5.00			4757.00	41.00	Bottom Packers & Anchor

**Total Tool Length:** 68.00

Trilobite Testing, Inc Ref. No: 61779 Printed: 2015.10.12 @ 13:15:44



**FLUID SUMMARY** 

Palomino Petroleum 26-20s-34w Scott, KS

4924 SE 84th St Newton, KS 67114

Daniels #1

Job Ticket: 61779

DST#: 4

ATTN: Ryan Seib Test Start: 2015.10.11 @ 12:01:58

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal 50.00 sec/qt Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Viscosity: Water Loss:

Filter Cake:

8.79 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

ft

bbl

Resistivity: 0.00 ohm.m Salinity:

4600.00 ppm 1.00 inches

**Recovery Information** 

Recovery Table

Length ft Description Volume bbl 150.00 mud 100%m 1.011

Total Length:

150.00 ft

Total Volume:

1.011 bbl

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs: Laboratory Location: Serial #:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 61779 Printed: 2015.10.12 @ 13:15:44

- 80

90

95

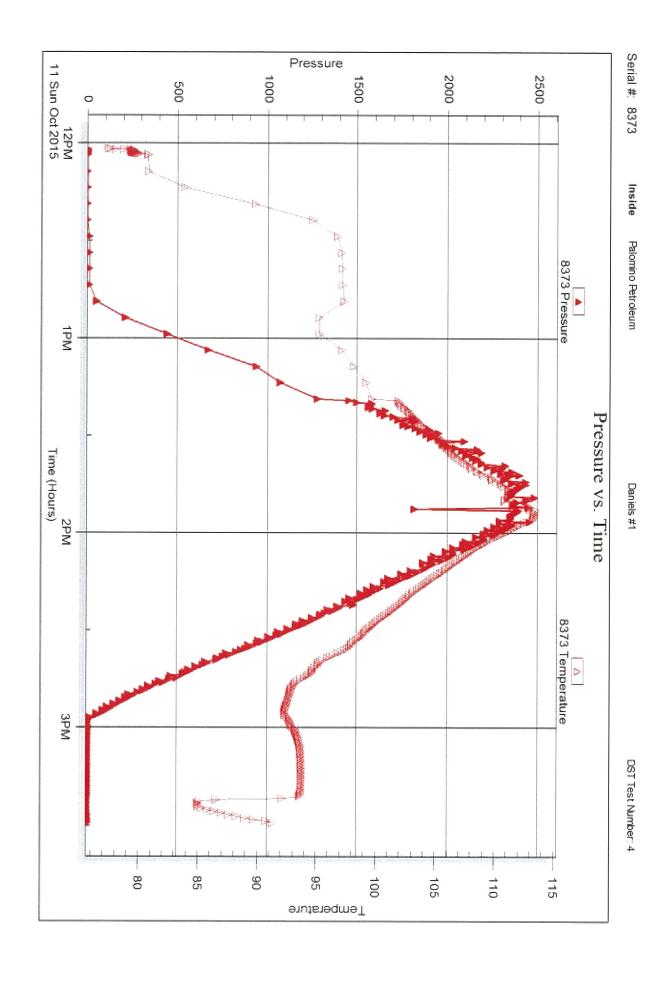
Temperature

100

85

- 105

- 110



Triobite Testing, Inc.

Ref. No: 61779



Prepared For:

Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

## Daniels #1

# 26-20s-34w Scott,KS

Start Date: 2015.10.11 @ 15:46:41 End Date: 2015.10.11 @ 21:14:11

Job Ticket #: 61780

DST#: 5

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114 Daniels #1 Job Ticket: 61780

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.10.11 @ 15:46:41

### GENERAL INFORMATION:

Formation:

Morrow

Deviated:

No

Whipstock:

ft (KB)

Tester: Brandon Turley

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 17:06:11 Time Test Ended: 21:14:11

Interval: Total Depth:

Hole Diameter:

4678.00 ft (KB) To 4807.00 ft (KB) (TVD)

4807.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Unit No: 79

Reference Elevations:

3007.00 ft (KB)

3003.00 ft (CF)

KB to GR/CF:

4.00 ft

Serial #: 8166 Press@RunDepth:

Outside

105.18 psig @

4679.00 ft (KB)

2015.10.11

Capacity:

8000.00 psig

Start Date: Start Time: 2015.10.11 15:46:46

End Date: End Time:

21:14:10

Last Calib.: Time On Btm: 2015.10.11

Time Off Btm:

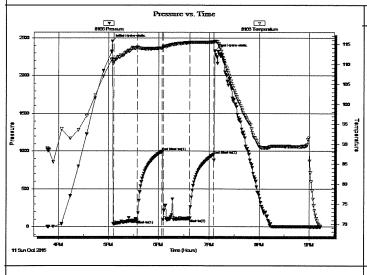
2015.10.11 @ 17:04:41 2015.10.11 @ 19:06:41

TEST COMMENT: IF: 1/4" blow built to 3 1/2"

IS: No return.

FF: Surface blow built to 2"

FS: No return.



## PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2455.42	111.26	Initial Hydro-static
2	33.96	110.90	Open To Flow (1)
30	85.53	114.26	Shut-In(1)
60	995.85	114.04	End Shut-In(1)
61	91.43	114.27	Open To Flow (2)
92	105.18	115.39	Shut-In(2)
121	953.86	115.56	End Shut-In(2)
122	2323.74	115.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
160.00	mud oil spots 100%m	1.15
* Recovery from n	nultiple tests	

## Gas Rates

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

Printed: 2015.10.12 @ 13:14:33

Trilobite Testing, Inc Ref. No: 61780



Palomino Petroleum

26-20s-34w Scott,KS Daniels #1

4924 SE 84th St Newton, KS 67114

Job Ticket: 61780

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.10.11 @ 15:46:41

#### GENERAL INFORMATION:

Formation:

Morrow

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Unit No: 79

Brandon Turley

Time Tool Opened: 17:06:11 Time Test Ended: 21:14:11

3007.00 ft (KB)

Interval: Total Depth: 4678.00 ft (KB) To 4807.00 ft (KB) (TVD)

Reference Elevations:

3003.00 ft (CF)

4807.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

4.00 ft

Serial #: 8373 Press@RunDepth:

Inside

psig @

4679.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2015.10.11

End Date:

2015.10.11

Last Calib .:

Start Time:

15:46:17

End Time:

21:14:11

Time

(Min.)

Time On Btm:

2015.10.11

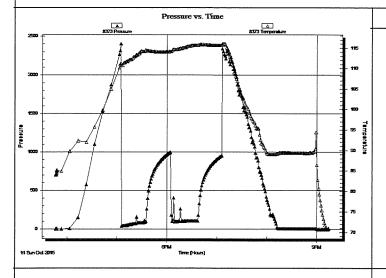
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 3 1/2"

IS: No return.

FF: Surface blow built to 2"

FS: No return.



#### PRESSURE SUMMARY Annotation Pressure Temp (psig) (deg F)

	Recovery	
Length (ft)	Description	Volume (bbl)
160.00	mud oil spots 100%m	1.15
* Recovery from r	nultiple tests	

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

Trilobite Testing, Inc. Ref. No: 61780 Printed: 2015.10.12 @ 13:14:33



**TOOL DIAGRAM** 

Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St Newton, KS 67114 Daniels #1 Job Ticket: 61780

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.10.11 @ 15:46:41

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4548.00 ft Diameter: Length:

0.00 ft Diameter: 120.00 ft Diameter:

2 Diameter:

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

Total Volume:

63.80 bbl 0.00 bbl 0.59 bbl 64.39 bbl Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 65000.00 lb

Tool Chased 0.00 ft String Weight: Initial 52000.00 lb

Final 53000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

Depth to Bottom Packer:

17.00 ft 4678.00 ft

ft Interval between Packers: 129.00 ft

Tool Length:

156.00 ft

6.75 inches

Number of Packers:

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4652.00		
Shut In Tool	5.00			4657.00		
Hydraulic tool	5.00			4662.00		
Jars	5.00			4667.00		
Safety Joint	2.00			4669.00		
Packer	5.00			4674.00	27.00	Bottom Of Top Packer
Packer	4.00			4678.00		
Stubb	1.00			4679.00		
Recorder	0.00	8373	Inside	4679.00		
Recorder	0.00	8166	Outside	4679.00		
Perforations	25.00			4704.00		
Change Over Sub	1.00			4705.00		
Drill Pipe	96.00			4801.00		
Change Over Sub	1.00			4802.00		
Bullnose	5.00			4807.00	129.00	Bottom Packers & Anchor

Total Tool Length: 156.00

Printed: 2015.10.12 @ 13:14:34 Trilobite Testing, Inc Ref. No: 61780



**FLUID SUMMARY** 

Palomino Petroleum

26-20s-34w Scott,KS

4924 SE 84th St New ton, KS 67114 Daniels #1 Job Ticket: 61780

DST#: 5

ATTN: Ryan Seib

Test Start: 2015.10.11 @ 15:46:41

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:

50.00 sec/qt

Gas Cushion Type:

Gas Cushion Pressure:

bbl psig

ft

Water Loss: Resistivity:

Filter Cake:

Salinity:

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

4600.00 ppm 1.00 inches

**Recovery Information** 

Recovery Table

Length Description Volume ft bbl 160.00 mud oil spots 100%m 1.151

Total Length:

160.00 ft

Ref. No: 61780

Total Volume:

1.151 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Printed: 2015.10.12 @ 13:14:34

DST Test Number: 5

115

9PM

70

75

80

85

90

95

Temperature

100

105

110

Tritobite Testing, Inc.

DST Test Number: 5

115

9PM

70

DEPENDENCE OF THE PERSON OF TH

75

80

85

90

95

Temperature

100

105



(H) Final Hydrostatic\_\_\_

Initial Shut-In\_

Final Flow

# **Test Ticket**

☐ Ruined Shale Packer

☐ Ruined Packer\_\_\_\_

1530

☐ Extra Copies

Sub Total

Rec	4/10	<b>ESTING</b> III 1515 Commerce Park		as 67601	NO.	61776	
Anchor Length	Company Ps/ Address	omino Petr 4 SE 84th Rym Seib Twp. 20-	5+ Ne	Elevation  W + O M / A  Rig  Co	3007 55 67, ww #	KB 300: 114 t/6	
Blow Description	Anchor Length Top Packer Depth	44 4152 4160	Drill Pipe Drill Collar Wt. Pipe F	Run 404 rs Run 120	9 1	Vis	7,
Rec   186   Feet of   MCW   Mgas   Moil   30 %water   70 %multiple   70 %multip	Blow Description	IF! BOB in F: BOB in	20 M 4urn, 23 n	inx	_ppm System	LCM Z	
Rec				%gas	%oil	30 %water	クの <sub>%mud</sub>
Rec		Feet of MCW		%gas	%oil_	95 %water	5 %mud
Rec	Rec	Feet of	opm HZ	%gas	%oil	%water	%mud
Rec Total   4/12   BHT   1/4   Gravity	Rec	Feet of		%gas	%oil	%water	%mud
(A) Initial Hydrostatic       2088       Test       1150       T-On Location       13,40         (B) First Initial Flow       Z6       Jars       250       T-Started       14'.57         (C) First Final Flow       Image: Safety Joint of the control of the con	Rec	Feet of		%gas	%oil	%water	%mud
(G) Final Shut-In Sampler	(A) Initial Hydrostatic_ (B) First Initial Flow (C) First Final Flow (D) Initial Shut-In (E) Second Initial Flow	2088 2-6 128 106/ 134	Test 11  Jars 2  Safety Joi  Circ Sub  Hourly Sta	50 50 nt 75 N// andby	T-On Le	ocation /3/ ed /4/3 /6/3 d /8/32 20//4	40 57 7

□ Day Standby \_\_\_\_\_ Total Final Shut-In\_ ☐ Accessibility MP/DST Disc't 1530 Sub Total Approved By\_

☐ Straddle\_

☐ Shale Packer

□ Extra Packer

☐ Sampler\_\_\_\_

☐ Extra Recorder \_\_\_\_\_

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 suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# RILOBITE ESTING INC.

**Test Ticket** 

1515 Commerce Parkway • Hays, Kansas 67601

NO.

Well Name & No. Daniels	#/	Test No	7	Date 10-9-	15
Company Palomino Per	troleum	Elevation	3007	KB 3083	GL
Address					
Co. Rep/Geo. Ry 97 5C.	b	Rig 4	JW #/	0	
Location: Sec. 2-6 Twp. 20	5 Rge. 34W	co <i>50</i>	:0++	State K	5
	1490 Zone Tested	MNMA	100		
Anchor Length //2		4262	Ми	ıd Wt. 9,4	
Top Packer Depth 437		n / 20	and the same of th	53	
Bottom Packer Depth 437			- Contract of the Contract of	8.8	
Total Depth 449	Chlorides 5	5000 ppm	n System LC	M	
Blow Description IF: 14 blow		min.			
	eturn.				
FF. No blow					
FS! No ret	urn.				
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total 10 BHT 10		API RW@			ppm
(A) Initial Hydrostatic 2/83  (B) First Initial Flow 30	Test1150			tion $\frac{18.3}{10.60}$	
(b) That milian now	Vars	7.	T-Started	1 400	·····
(C) First Final Flow	Safety Joint	75		20,5/	
(D) Initial Shut-In	Circ Sub N	1/		22:51	
(E) Second Initial Flow 34	Hourly Standby	·			
(F) Second Final Flow 37	Mileage 55	-	- Comments	S	
(G) Final Shut-In	☐ Sampler				
(H) Final Hydrostatic 2/67	Straddle		- Ruinec	Shale Packer_	
	☐ Shale Packer_			Packer	
Initial Open 30	Extra Packer			Copies	
Initial Shut-In 30	Extra Recorder	-	Sub Total	0	
Final Flow 30	Day Standby		1	.530	
Final Shut-In	Accessibility			Disc't	
	Sub Total153	0			
Approved By	0	our Representative -		The state of the s	



# **Test Ticket**

NO.

		47 :					
Well Name & No	Daniels	#/		Test No.	3	Date 10-10	-15
Company P9	lomino	Petro			_	кв 3003	
Address							
Co. Rep / Geo	Bygn	seib		Rig	wwt	#/6	
Location: Sec			ige. 34W	_ Co <i>5</i>	rott	State 4	5
Interval Tested 44	88	4520	Zone Tested		ec		
Anchor Length		32	Drill Pipe Run	4360		Mud Wt. 9, 4	
Top Packer Depth	4	483	Drill Collars Run			Vis	
Bottom Packer Depth		1488	Wt. Pipe Run			WL 818	
Total Depth	1	1520	Chlorides 50	200 p	pm System	LCM	
Blow Description	IF: /2	1 6/0W	built to	3 in	30 mi	'n,	
	13: NO	retur		1.			
			5/0W bui	/+ to	1-2,		
	FS: NO r						
Rec 91	Feet of Mud		5pot5	%gas	%oil	%water /	•
Rec_60	Feet of WCW	1		%gas	%oil	/0 %water 9	O %mud
Rec	Feet of			%gas	%oil	%water	%mud
Rec	Feet of	<del>-</del>		%gas	%oil	%water	%mud
Rec	Feet of	11-7		%gas	%oil	%water	%mud
Rec Total/5			ravity	APIRW -3/	@ 75°F	Chlorides 20,0	o O ppm
(A) Initial Hydrostatic_			<b>⊻</b> Test1150			ocation 6:30	>
(B) First Initial Flow	23		<b>3</b> Jars			ed 7.07	
(C) First Final Flow			✓ Safety Joint75			8:42	
(D) Initial Shut-In	1143		Circ Sub	116		17:15	
(E) Second Initial Flow	v		Hourly Standby			12:15	
(F) Second Final Flow			Mileage 55		Commi	ents	
(G) Final Shut-In			Sampler				
(H) Final Hydrostatic_	2200		Straddle		Bui	ined Shale Packer	
			Shale Packer			ined Packer	
Initial Open			Extra Packer		_ nu	tra Copies	
Initial Shut-In	30		Extra Recorder		_ LA	0	
Final Flow			Day Standby			1 5 3 0	
Final Shut-In	3	1)	Accessibility			ST Disc't	
	c A		Sub Total 1530				
Approved By	1el		Our	Representative_		-	



# **Test Ticket**

NO.

Well Name & No. Dan/	1-15 H	/	Tarribi	4	Date 16-16-1	15
Company Palomino	Petroleum		Test No Elevation _	3007	Date 70-70-7	
Address	1011010un	1	Elevation _	1001	KB 2 0 0 2	GL
	seib		D:-	WWF	#/0	
/ /	225	740	_	co+4	L	
		lge. 3 /			State _ ^ O	
Interval Tested 47/6	4807	Zone Tested			07	
Anchor Length	4/	Drill Pipe Run	4572		Mud Wt. 9.3	
Top Packer Depth	4/1/	Drill Collars Run _	120		Vis	
Bottom Packer Depth	9116	Wt. Pipe Run	4.4		WL 8-8	
Total Depth	480/	Chlorides 46	<i>00</i> ,	opm System	LCM	
Blow Description Packet	ess to;	led 4+	oper	7,		
150 1.	/					
Rec 150 Feet of M			%gas	%oil	%water / 6 C	%mud
			%gas	%oil	%water	%mud
Rec Feet of			%gas	%oil	%water	%mud
			%gas	%oil	%water	%mud
RecFeet of	117		%gas	%oil	%water	%mud
	/		PI RW		Chlorides	ppm
(A) Initial Hydrostatic 24		¥ Test950			ocation //, 30	2
(B) First Initial Flow	23	∡ Jars 250	ATT	T-Starte	12150	
(C) First Final Flow		✓ Safety Joint		T-Open	12155	
(D) Initial Shut-In		Circ Sub//	10	T-Pulled	15170	
(E) Second Initial Flow		☐ Hourly Standby		T-Out _		
(F) Second Final Flow		Mileage 55			nts	
(G) Final Shut-In		Sampler	Manager, and any other states of the state o	or or who control constrained and an analysis of the control constrained and an analysis of the control contro		
(H) Final Hydrostatic 238	7	Straddle			ned Shale Packer	
		Shale Packer			ned Packer	
Initial Open		Extra Packer		- (10)		
Initial Shut-In		Extra Recorder			a Copies 0	
Final Flow		Day Standby			1330	
Final Shut-In		Accessibility			T Disc't	
		Sub Total 1330		1/11/20	21301	•
Approved By	The state of the s	Our F	Representative			



# **Test Ticket**

NO.

-	KILOBITE
	ESTING INC.
-	1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No	Dania	els #1		Test No.	5	Date /0-//	'-15
Company Pala		Retroleur	)		3007	KB 300	
Address							
Co. Rep / Geo.	Byn	Seib		Rig	WW	#10	
Location: Sec.	2-6 TWF	. <u>Z05</u> Ro	je. 34W	co 50	cott	State	15
Interval Tested 46	78	4807	Zone Tested	Morron	)		
Anchor Length		129	Drill Pipe Run	4549	3	Mud Wt. 9.	3
Top Packer Depth		4673	Drill Collars Run	120		Vis	
Bottom Packer Depth	The state of the s	4678	Wt. Pipe Run_	According to the second		WL 8,8	
Total Depth		4887		1600 p		LCM	
Blow Description	IF!	14 blow	built :	to 3/2.	,		
	75:N	o retur	n.				
14	F1541		) built	102.			
		return.					
Rec	Feet of MU	ud 01/1 5,	Dots	%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
Rec	Feet of	11		%gas	%oil	%water	%mud
Rec Total		HT _//5 Gra	avity	API RW	_@°	Chlorides	ppm
(A) Initial Hydrostatic_	many may	20	Test250		T-On L	ocation //,	30
(B) First Initial Flow	33		Jars		T-Start	ed /5.	96
(C) First Final Flow	00		Safety Joint7		T-Oper	10:04	9
(D) Initial Shut-In		, M	Circ Sub	1/6	T-Pulle	/	,
(E) Second Initial Flow	9/		Hourly Standby			2/:/4 ents_Mi/e9g	e is
(F) Second Final Flow	105		Mileage <u>55</u>			901/9	to 10%
(G) Final Shut-In	753		Sampler		anadic haserpot, repa	100/5	10 1000
(H) Final Hydrostatic_	134	<u> </u>	Straddle		-	ined Shale Packer	
7.0		Ø	Shale Packer2	250		ined Packer	
Initial Open	71		Extra Packer			tra Copies	
Initial Shut-In	30		Extra Recorder			tal	
Final Flow	3	<u> </u>	Day Standby		Total	1780	
Final Shut-In		_30	Accessibility		MP/D	ST_Disc't	
	$\sim \Lambda$	Sı	ub Total1780	J			
Approved By	el		OL	ur Representative_			