Confidentiality Requested: Yes No

## KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1274250

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:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx) Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW ☐ Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled         Permit #:           Dual Completion         Permit #:	Dewatering method used:
SWD         Permit #:	Location of fluid disposal if hauled offsite:
ENHR     Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached 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	1274250
Operator Name:	_ Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS: Chause important tang of formations paratrated	atail all aaraa Bapart all final	agniag of drill atoms tools giving interval toolad, time tool

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional She	a ata)	Yes No	L	og Formatio	on (Top), Depth and	d Datum	Sample
Samples Sent to Geological Survey		Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		on, etc.		
Purpose of String			Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQL	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment	on this well?		Yes	No (If No, skip	o questions 2 an	d 3)
		raulic fracturing treatment ex				o question 3)	
was the hydraulic tracturing	j treatment informatio	n submitted to the chemical o	alsciosure registry?	Yes	No (If No, fill o	out Page Three o	or the ACO-T)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated							ement Squeeze Record I of Material Used)	Depth	
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner F		No	
Date of First, Resumed	l Producti	ion, SWD or ENHF	ł.	Producing M	ethod:	oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:		On en 11e1e	_				PRODUCTION INTI	ERVAL:		
Vented Solo	d 🗌 l	Jsed on Lease		Open Hole	Perf.	Uually (Submit A		Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACC	)-18.)		Other (Specify)		-		. ,		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Brownie 3
Doc ID	1274250

Tops

Name	Тор	Datum
Anhy.	2212	(+567)
Base Anhy.	2269	(+510)
Heebner	3833	(-1054)
Toronto	3855	(-1076)
Lansing	3872	(-1093)
Stark	4115	(-1336)
ВКС	4188	(-1409)
Pawnee	4312	(-1333)
Ft. Scott	4373	(-1594)
Cherokee Sh.	4400	(-1621)
Miss.	4501	(-1722)
LTD	4595	(-1816)

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Brownie 3
Doc ID	1274250

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.250	8.625	28	212	Common	3% c.c., 2% gel



## QUALITY OILWELL CEMENTING, INC.

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

# Invoice

Date: 11/25/2015 Invoice # 1928

P.O.#:

Due Date: 12/25/2015 Division: Russell

## RECEIVED

DEC 0 2 2015

Taxable

Contact: Palomino Petroleum Inc Address/Job Location:

4924 SE 84th Newton Ks 67114

Reference: BROWNIE 3

Description of Work: SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	ltem	Quantity	Price
Labor		\$ 606.13	No			
Common-Class A	120	\$ 1,652.19	Yes			
Calcium Chloride	6	\$ 276.99	Yes			
POZ Mix-Standard	30	\$ 174.18	Yes			
Bulk Truck Matl-Material Service Charge	159	\$ 131.88	No			
Pump Truck Mileage-Job to Nearest Camp	25	\$ 114.04	No			
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 72.57	No			
Premium Gel (Bentonite)	3	\$ 40.51	Yes			

Invoice Terms:	SubTo	tal: \$	3,068.49
Net 30	Discount Available <u>ONLY</u> if Invoice is Paid & Receiv within listed terms of invoi	′ed ce: \$	(76.71)
	ems: \$	2,090.27	
	ems: \$	901.51	
	Tc	otal: \$	2,991.78
	8.50% Gove County Sales Tax	ax: <u>\$</u>	177.67
Thank You For Your Business!	Amount D	ue: \$	3,169.45
	Applied Paymer	its:	
	Balance D	ue: \$	3,169.45
Past Due Invoices are subject to a service charge (	(annual rate of 24%)		

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

		ELL CEN I Tax I.D.# 20-288		G, IN	<b>C</b> .
Phone 785-483-2025 Cell 785-324-1041	and the second	P.O. Box 32 Russel		No.	1928
	Sec. Twp. Range	County	State	On Location	Finish
Date 125-15	7 14 30	Coore K	15		12ioopm.
		Location one low	UZZRD 65	LRDEI	rito
Lease Mownie	Well No. 3	Owner			•
Contractor WW#12		To Quality Oilwel	Il Cementing, Inc. equested to rent ceme	ntina equipment	and furnish
Type Job Surface		cementer and he	lper to assist owner or	contractor to do	work as listed.
Hole Size 121/4	T.D. 212	Charge To	omino Pet	roleum	-
Csg. 258	Depth 212	Street	·		
Tbg: Size	Depth	City	Sta	te	
Tool	Depth	The above was do	ne to satisfaction and sup	pervision of owner	agent or contractor.
Cement Left in Csg. 1.5	Shoe Joint	Cement Amount	Ordered 150 8%	20 3/.CC	2. CEL
Meas Line	Displace 1212R	2			
	EQUIPMENT	Common (30)			
Pumptrk 20 <sup>No. Cemer</sup> Helper		Poz. Mix 30	• • • • •		
Bulktrk No. Driver	Nich	Gel. 3			-
Bulktrk 2 No. Driver	Rild	Calcium 6	······································		-
JOB SEI	RVICES & REMARKS	Hulls			
Remarks:	n an	Salt			·
Rat Hole	n an tha an tao an t	Flowseal	-		. <b>e</b>
Mouse Hole		Kol-Seal			-
Centralizers	an the second	Mud CLR 48			
Baskets and Andreas	en e	CFL-117 or CD1	10 CAF 38		-
D/V or Port Collar		Sand			
an el	om Est. Crulation.	Handling 159			
- Of an Dall	Displace.	Mileage			
<u></u>	Dispace:		FLOAT EQUIPMENT		······································
0.40	14 June 1, 400 2!	Guide Shoe			
CEMICI	I CINCULATIC	Centralizer			
- There and the state of the		Baskets			
		AFU Inserts			
		Float Shoe			
	<u> </u>	Latch Down			• •.
·			<u> </u>		*
			$\overline{\mathbf{C}}$		
		Pumptrk Charge	Jurtace		
<u></u>	· · · · · · · · · · · · · · · · · · ·	Mileage 13		Tax	
	and a second and the second			Discount	
x /AA				. 1	
X Signature els fa	A Color in the second in	and the second sec		Total Charge	
4-					



#### QUALITY OILWELL CEMENTING, INC.

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

# Invoice

Contact: Palomino Petroleum Inc Address/Job Location:

4924 SE 84th Newton Ks 67114

Reference: BROWNIE 3

Description of Work: PLUG JOB

Services / Items Included:	Quantity	Price	Taxable
Labor		\$ 606.13	Yes
Common-Class A	144	\$ 1,982.63	Yes
POZ Mix-Standard	96	\$ 557.36	Yes
Bulk Truck Matl-Material Service Charge	249	\$ 206.52	Yes
Premium Gel (Bentonite)	9	\$ 121.53	Yes
Pump Truck Mileage-Job to Nearest Camp	25	\$ 114.04	Yes
Flo Seal	60	\$ 99.53	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 72.57	Yes
Dry Hole Plug	1	\$ 46.45	Yes

Invoice Terms:		SubTotal: \$	;	3,806.77
Net 30	Discount Available <u>ONLY</u> if Invoice is Paid within listed terms	& Received s of invoice: \$	5	(95.17)
	SubTotal for T	axable Items: \$		3,711.60
	SubTotal for Non-T	axable Items: \$		-
		Total: \$		3,711.60
	8.50% Gove County Sales Tax	Tax: \$	i	315.49
Thank You For Your Business!	Ar	nount Due: \$	;	4,027.09
	Applied	Payments:		
	Ba	lance Due: \$	;	4,027.09
Past Due Invoices are subject to a service char	ne (annual rate of 24%)			

ltem

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

## RECEIVED

Date: 12/3/2015 DEC 0 9 2015 Invoice # 1934

P.O.#:

Quantity

Price

Taxable

Due Date: 1/2/2016 Division: Russell

QUALI		ELL CE Tax I.D.# 20-2		ING, IN	С.
Phone 785-483-2025 Cell 785-324-1041	Home Office P.C			No.	1934
Sec.	Twp. Range	County	State	On Location	Finish
Date 12-3-15 7	14 30	Gove	KS		8:00p.m
		ocation gove	940 22RD 7	s Einto	
Lease Brownie	Well No_3	Owner		r 1	
Contractor WW#12 Type Job Rotary Pha		To Quality O	ilwell Cementing, Inc by requested to rent whelper to assist ow	cementing equipment ner of contractor to do	and furnish work as listed.
Hole Size 778	T.D. 4597	Charge To 7	Palomino It	etroleum	
Csg. 4/2 X-H	Depth	Street		2000 - P	. 2
Tbg. Size	Depth	City		State	* 
Tool	Depth	1	as done to satisfaction a	ind supervision of owner	agent or contractor.
Cement Left in Csg.	Shoe Joint		ount Ordered 340	Coo/40 4.1. Cer	=> /4THAC
Meas Line	Displace	· · · · · · · · · · · · · · · · · · ·			
EQUIP		Common	44		
	aig	Poz. Mix	96		
Pumptrk <u>S</u> Helper <u>M</u> Bulktrk <u>Driver</u>	Ð	Gel. 9	£		
No. Driver	×	Calcium			
Bulktrk /S Driver // 19	& BEMARKS	Hulls			
		Salt		- -	
Remarks:	en en la factoria de la composición de La composición de la c	Flowseal	ott		
Rat Hole <u>305K</u>	e e e e e e e e e e e e e e e e e e e	Kol-Seal			•
Mouse Hole	in en	Mud CLR 48	0		
Centralizers		4			
Baskets			CD110 CAF 38		
D/V or Port Collar		Sand	7.10		
<u>121 270 5</u> <u>2<sup>ND</sup> 1300 10</u>	<u>05K</u>	Handling Mileage		400 NT	· · · · · · · · · · · · · · · · · · ·
3= 270 50	<u>sic</u>		FLOAT EQUIPM		3
41 40 102	<u>K</u>	Guide Shoe	8-6871	I.N.	
		Centralizer	- 8-18 Dr/ 4	regues	
an an an Anna an Anna an Anna an Anna. Tarang ang ang ang ang ang ang ang ang ang	a de la composición d En esta de la composición de la composic	Baskets			
	ality	AFU Inserts Float Shoe			
<u></u>		Latch Down	· · · ·		· · · · · · · · · · · · · · · · · · ·
		Pumptrk Ch	arge Mug		
han an a		Mileage	5 V V	<u> </u>	
<u>1</u>				Tax	
				Discount	
X Signature	Ne			Total Charge	
0-9/-					



Prepared For:

Palomino Petroleum, Inc

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

### Brownie #3

### 7-14s-30w Gove,KS

 Start Date:
 2015.11.28 @ 18:24:00

 End Date:
 2015.11.29 @ 01:46:00

 Job Ticket #:
 61847
 DST #:
 1

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

Palomino Petroleum, Inc 7-14s-30w Gove,KS Brownie #3 DST # 1 **Toronto - LKC** ⊳ 2015.11.28

Printed: 2015.12.08 @ 14:14:17

	DRILL STEM TE	ST REP	ORT		
	Palomino Petroleum, Inc		7-14s-30v	v Gove,KS	
ESTING , INC	4924 SE 84th St. New ton KS 67114		Brownie Job Ticket:		DST#:1
	ATTN: Ryan Seib			2015.11.28 @	
	······································				
GENERAL INFORMATION: Formation: Toronto - LKC A					
Deviated: No Whipstock: Time Tool Opened: 21:20:15 Time Test Ended: 01:46:00	ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 69	al Bottom Hole (Initial) alter
Interval:         3832.00 ft (KB) To         390           Total Depth:         3900.00 ft (KB) (TV           Hole Diameter:         7.88 inchesHole			Reference	Elevations: B to GR/CF:	2779.00 ft (KB) 2771.00 ft (CF) 8.00 ft
·····			K		8.00 11
Serial #:         8677         Outside           Press@RunDepth:         94.78 psig         0           Start Date:         2015.11.28         0           Start Time:         18:24:05         0	<ul> <li>2833.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2015.11.29 01:45:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2015.11.29 @ 21:20:00 @ 23:24:30
TEST COMMENT: IF: 1" blow . ISI: No return. FF: 1" blow . FSI: No return.		-			
Pressure vs. Th	ILC 2017 Torpendure			JRE SUMM	
173		Time (Min.) 0	Pressure Temp (psig) (deg F 1883.83 104.6	1	
+730		1 30	24.56 103.4 70.95 105.4	1 Open To F 5 Shut-In(1)	
		60	1125.40 106.6	5 End Shut-I	ln(1)
		61 90		7 Open To F 8 Shut-In(2)	
		123 125	1113.54 110.9	6 Final Hydro	ln(2)
Sel Nov 285 SFL Time (Haus) Recovery	295n				
Length (ft) Description	Volume (bbl)			as Rates	ure (psig) Gas Rate (Mcf/d)
150.00 w cm 20w 80m	1.00				
Trilobite Testing, Inc	Ref. No: 61847				

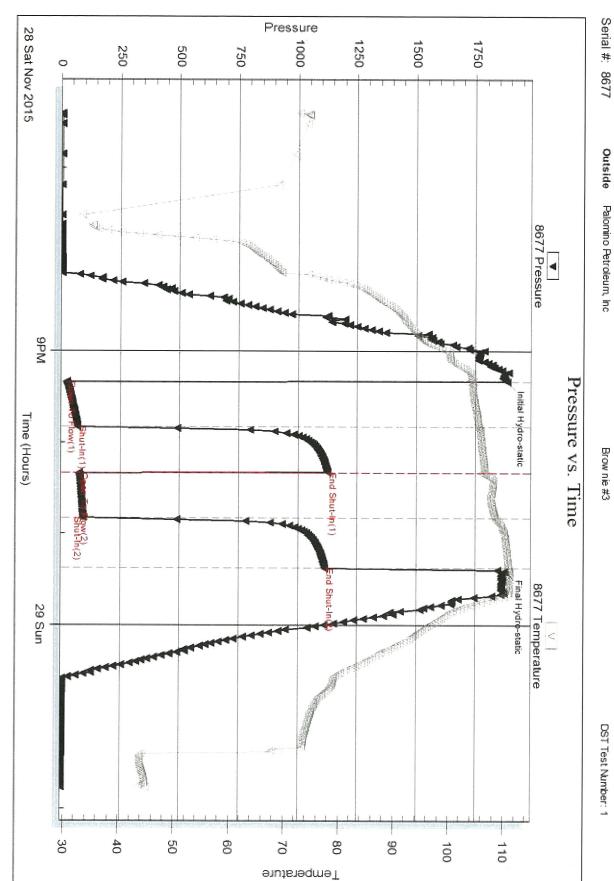
Printed: 2015.12.08 @ 14:14:17

	DRILL STEM TE	ST REP	ORT		
	Palomino Petroleum, Inc		7-14s-30	w Gove,KS	3
ESTING , INC	4924 SE 84th St. New ton KS 67114		<b>Brownie</b> Job Ticket:		DST#: 1
	ATTN: Ryan Seib			2015.11.28 (	
GENERAL INFORMATION:					
Formation:     Toronto - LKC A       Deviated:     No     Whipstock:       Time Tool Opened:     21:20:15       Time Test Ended:     01:46:00	ft (KB)		Test Type: Tester: Unit No:	Conventior Bradley Wa 69	al Bottom Hole (Initial) alter
Interval:3832.00 ft (KB) To390Total Depth:3900.00 ft (KB) (TVHole Diameter:7.88 inchesHole	D)			Elevations: B to GR/CF:	2779.00 ft (KB) 2771.00 ft (CF) 8.00 ft
Serial #: 8365 Inside					
Press@RunDepth: psig ( Start Date: 2015.11.28 Start Time: 18:24:05	3833.00 ft (KB) End Date: End Time:	2015.11.29 01:46:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2015.11.29
FSI: No return. Pressure vs. Th SEE Frease	IIC EXT Terpendure	Time			
200 700 700 700 700 700 700 700		Time (Min.)	Pressure Temp (psig) (deg l		ion
Recovery			G	as Rates	
Length (ff) Description 150.00 w cm 20w 80m	Volume (bbl) 1.00		Chok	e (inches) Press	ure (psig) Gas Rate (Mcf/d)
Trilobite Testing, Inc	Ref. No: 61847		Drinto	d: 2015.12.08	Q 14-14-17

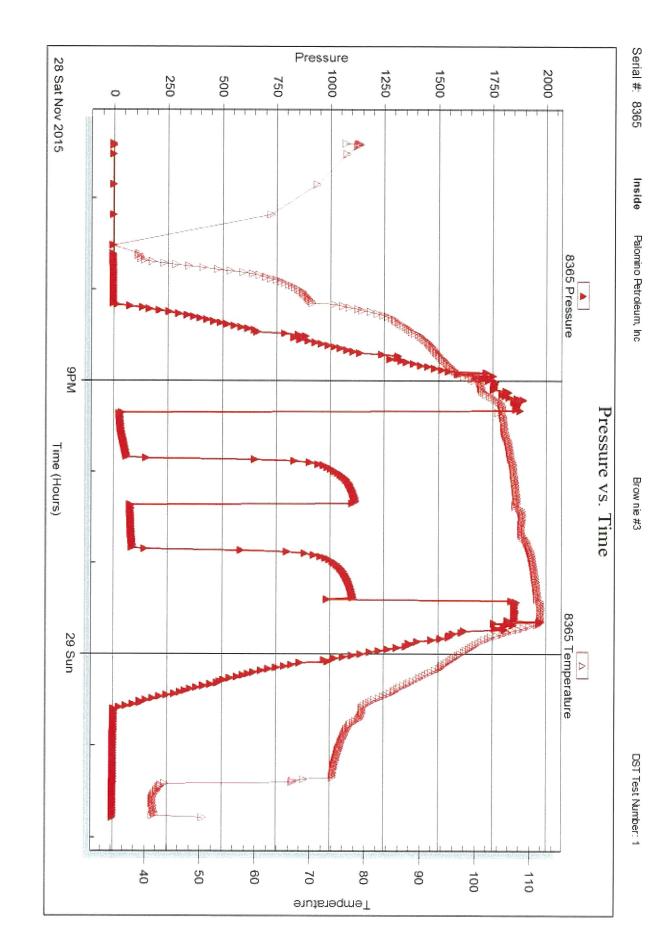
RILOBIT	VG, INC	Palomino Petrole	eum, Inc			7-14s-30w Go	ve,KS	,
	1 7	924 SE 84th S				Brownie #3		
	N	lew ton KS 67	114			Job Ticket: 6184	7	DST#: 1
	A	TTN: Ryan S	eib			Test Start: 2015.	.11.28 @	0 18:24:00
Tool Information								
Drill Pipe: Length: 37	702.00 ft Diar	meter: 3.8	30 inches	Volume:	51.93 bbl	Tool Weight:		2500.00 lb
leavy Wt. Pipe: Length:	0.00 ft Diar	meter: 0.0	00 inches	Volume:	0.00 bbl	Weight set on	Packer	25000.00 lb
Drill Collar: Length: "	121.00 ft Diar	meter: 2.2		Volume:	0.60 bbl	Weight to Pull	Loose:	68000.00 lb
Drill Pipe Above KB:	18.00 ft		Tota	l Volume:	52.53 bbl	Tool Chased		0.00 ft
	832.00 ft					String Weight:		54000.00 lb
Depth to Bottom Packer:	ft						Final	54000.00 lb
nterval between Packers:	68.00 ft							
ool Length:	95.00 ft							
Number of Packers:	2 Diar	meter: 6.7	75 inches					
Tool Comments:	Length			sition		Accum. Lengths		
<b>Fool Description</b> Change Over Sub	1.0	00		sition	3806.00	Accum. Lengths		
<b>Fool Description</b> Change Over Sub Shut In Tool	1.0	00 00		sition	3806.00 3811.00	Accum. Lengths		
Fool Description Change Over Sub	1.0	00 00 00		sition	3806.00 3811.00 3816.00	Accum. Lengths		
Fool Description Change Over Sub Shut In Tool Hydraulic tool Iars	1.0 5.0 5.0	00 00 00 00		sition	3806.00 3811.00	Accum. Lengths		
<b>Fool Description</b> Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint	1.0 5.0 5.0 5.0			sition	3806.00 3811.00 3816.00 3821.00	Accum. Lengths		Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer	1.0 5.0 5.0 2.0	00 00 00 00 00 00		sition	3806.00 3811.00 3816.00 3821.00 3823.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer Packer	1.0 5.0 5.0 2.0 5.0	00 00 00 00 00 00 00		sition	3806.00 3811.00 3816.00 3821.00 3823.00 3828.00			Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Hydraulic tool ars Safety Joint Packer Packer Stubb	1.0 5.0 5.0 2.0 5.0 4.0	00 00 00 00 00 00 00 00 00		Inside	3806.00 3811.00 3816.00 3821.00 3823.00 3828.00 3832.00			Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Hydraulic tool Hars Safety Joint Packer Packer Stubb Recorder	1.0 5.0 5.0 2.0 5.0 4.0 1.0	00 00 00 00 00 00 00 00 00 00 00 00 83	<b>No. Po</b>		3806.00 3811.00 3816.00 3821.00 3823.00 3828.00 3832.00 3833.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder	1.0 5.0 5.0 2.0 5.0 4.0 1.0 0.0	00 00 00 00 00 00 00 00 00 00 00 83 00 86	<b>No. Po</b>	Inside	3806.00 3811.00 3816.00 3821.00 3823.00 3828.00 3832.00 3833.00 3833.00			Bottom Of Top Packe
Fool Description         Change Over Sub         Shut In Tool         Hydraulic tool         Hydraulic tool         Hars         Safety Joint         Packer         Packer         Stubb         Recorder         Recorder         Parforations         Change Over Sub	1.0 5.0 5.0 2.0 5.0 4.0 1.0 0.0 0.0	200 200 200 200 200 200 200 200 83 200 86 200	<b>No. Po</b>	Inside	3806.00 3811.00 3816.00 3821.00 3823.00 3828.00 3832.00 3833.00 3833.00 3833.00			Bottom Of Top Packe
Fool Description         Change Over Sub         Shut In Tool         Hydraulic tool         ars         Safety Joint         Packer         Packer         Stubb         Recorder         Recorder         Perforations         Change Over Sub         Drill Pipe	1.0 5.0 5.0 2.0 5.0 4.0 1.0 0.0 0.0 31.0	200 200 200 200 200 200 200 200 83 200 86 200 86 200 200	<b>No. Po</b>	Inside	3806.00 3811.00 3816.00 3821.00 3823.00 3828.00 3832.00 3833.00 3833.00 3833.00 3833.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool tydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Orill Pipe Change Over Sub	1.0 5.0 5.0 5.0 5.0 5.0 5.0 1.0 0.0 0.0 31.0 31.0 31.0 1.0	200 200 200 200 200 200 200 200 200 200	<b>No. Po</b>	Inside	3806.00 3811.00 3816.00 3821.00 3823.00 3828.00 3832.00 3833.00 3833.00 3833.00 3833.00 3865.00			Bottom Of Top Packe
Tool Description         Change Over Sub         Shut In Tool         Hydraulic tool         Iars         Safety Joint         Packer         Packer         Stubb         Recorder         Perforations         Change Over Sub         Drill Pipe         Change Over Sub	1.0 5.0 5.0 2.0 5.0 1.0 0.0 0.0 31.0 31.0 31.0	200 200 200 200 200 200 200 200 200 200	<b>No. Po</b>	Inside	3806.00 3811.00 3816.00 3821.00 3823.00 3828.00 3832.00 3833.00 3833.00 3833.00 3833.00 3865.00 3865.00		Bot	Bottom Of Top Packe
<b>Fool Description</b> Change Over Sub Shut In Tool Hydraulic tool	1.0 5.0 5.0 2.0 5.0 4.0 1.0 0.0 31.0 31.0 31.0 31.0 31.0 31.0	200 200 200 200 200 200 200 200 200 200	<b>No. Po</b>	Inside	3806.00 3811.00 3816.00 3821.00 3823.00 3828.00 3832.00 3833.00 3833.00 3833.00 3864.00 3865.00 3896.00 3897.00	27.00	Bot	

10h	RILOBITE	DRILL	STEM TEST R	EPOR	Γ	······································	FLUID S	UMMARY
		Palomino Petr	roleum, Inc		7-14s-30w	Gove,KS		
日間	ESTING , INC	4924 SE 84th			Brownie	#3		
翻		New ton KS 67114			Job Ticket: 6	51847	DST#:1	
		ATTN: Ryar	n Seib		Test Start: 2	2015.11.28 @ 1	8:24:00	
Mud and Cu	shion Information							
	el Chem		Cushion Type:			Oil API:		0 deg API
Mud Weight: Viscosity:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:		0 ppm
Water Loss:	51.00 sec/qt 7.38 in³		Cushion Volume: Gas Cushion Type:		bbl			
Resistivity:	ohm.m		Gas Cushion Pressure:		psig			
Salinity: Filter Cake:	1100.00 ppm 1.00 inches							
Recovery In	formation							
			Recovery Table			_		
	Lengt ft	h	Description		Volume bbl			
		150.00 w.cm	20w 80m		1.002	2		
	Total Length:	150.00 ft	Total Volume:	1.002 bbl				
	Num Fluid Sampl	es: 0	Num Gas Bombs:	0	Serial #			
	Laboratory Nam	e:	Laboratory Location:					
	Recovery Comm	ents:						
Trilobite Testi	ing, Inc	Ref. No:	61847		Printed	: 2015.12.08 @	14:14:18	

Ref. No: 61847



Ref. No: 61847





Prepared For:

Palomino Petroleum, Inc

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

### Brownie #3

### 7-14s-30w Gove,KS

 Start Date:
 2015.11.29 @ 13:44:00

 End Date:
 2015.11.29 @ 20:17:15

 Job Ticket #:
 61848
 DST #:
 2

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

Printed: 2015.12.08 @ 14:13:52

RILOBITE	Palomino Petroleum, Inc			4- 00	0 1/0		
TESTING, INC			7-1	45-30W	Gove,KS		
	4924 SE 84th St. New ton KS 67114			<b>wnie #</b> Ticket: 6 <sup>-</sup>		DST#:2	
	ATTN: Ryan Seib				) 15.11.29 @		
GENERAL INFORMATION:	· · · · · · · · · · · · · · · · · · ·						
Formation: LKC C Deviated: No Whipstock: Time Tool Opened: 16:12:00 Time Test Ended: 20:17:15	ft (KB)		Tes	ter:	Conventiona Bradley Wa 69	al Bottom Hole (R Iter	eset)
Interval:3898.00 ft (KB) To394Total Depth:3940.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Refe	erence Ele KB t	evations: to GR/CF:	2779.00 ft (H 2771.00 ft (C 8.00 ft	
Serial #: 8677 Outside					·····		
Press@RunDepth: 64.05 psig (	@ 3899.00 ft (KB)		Capacity	:		8000.00 psig	g
Start Date: 2015.11.29	End Date:	2015.11.29	Last Calil			2015.11.29	
Start Time: 13:44:05	End Time:	20:17:14	Time On I Time Off			@ 16:11:30 @ 18:14:45	
Pressure vs. Tr			PF	RESSUR	RESUMM	ARY	
Pressure vs. Tr	me T 807 Tompaster	Time					
		Time (Min.)	PF Pressure (psig)	RESSUR Temp (deg F)	RE SUMM Annotatio		
<b>V</b> 807 Presure	SG77 Yomparakare	(Min.) 0	Pressure (psig) 1891.30	Temp (deg F) 98.84	Annotatio	on o-static	
2000 EVENUE	507 Temperature 110 110 110	(Min.)	Pressure (psig) 1891.30 24.34	Temp (deg F) 98.84 97.75	Annotatio Initial Hydro Open To F	on o-static	
2000	557 Temperature 110	(Min.) 0 1	Pressure (psig) 1891.30	Temp (deg F) 98.84 97.75 102.50 105.26	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-I	o-static low (1) n(1)	
500 500 500 500 500 500 500 500	507 Temperature 507 Temperature 509 Temperature 500 Te	(Min.) 0 1 31 60	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86	Temp (deg F) 98.84 97.75 102.50 105.26 104.97	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-II Open To F	o-static low (1) n(1)	
200 PC/PBur 775	507 Temperature 507 Temperature 509 Temperature 500 Te	(Min.) 0 1 31 60 90	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86 64.05	Temp (deg F) 98.84 97.75 102.50 105.26 104.97 109.20	Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2)	o-static low (1) n(1) low (2)	
500 773 774 775 775 775 775 775 775 775	807 Temperature 10 10 10 10 10 10 10 10 10 10	(Min.) 0 1 31 60 60 90	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86	Temp (deg F) 98.84 97.75 102.50 105.26 104.97	Annotatic Initial Hydru Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	o-static low (1) n(1) low (2) n(2)	
200 709 100 100 100 100 100 100 100 1	BUT Temperature 10 10 10 10 10 10 10 10 10 10	(Min.) 0 1 31 60 90 123	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86 64.05 1111.32	Temp (deg F) 98.84 97.75 102.50 105.26 104.97 109.20 111.60 111.78	Annotatic Initial Hydru Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	o-static low (1) n(1) low (2) n(2)	
300         775           400         775           775	BUT Temperature 10 10 10 10 10 10 10 10 10 10	(Min.) 0 1 31 60 90 123	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86 64.05 1111.32	Temp (deg F) 98.84 97.75 102.50 105.26 104.97 109.20 111.60 111.78	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	: (Mct/m
Provide and the second	507 Temperature 19 10 10 10 10 10 10 10 10 10 10	(Min.) 0 1 31 60 90 123	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86 64.05 1111.32	Temp (deg F) 98.84 97.75 102.50 105.26 104.97 109.20 111.60 111.78 Gas	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2)	: (Mct/d)
200 175 175 175 175 175 175 175 175	Party Transmance Party Transm	(Min.) 0 1 31 60 90 123	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86 64.05 1111.32	Temp (deg F) 98.84 97.75 102.50 105.26 104.97 109.20 111.60 111.78 Gas	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	: (Mct/d)
Trop of the same Trop of the	Party Transmance Party Transm	(Min.) 0 1 31 60 90 123	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86 64.05 1111.32	Temp (deg F) 98.84 97.75 102.50 105.26 104.97 109.20 111.60 111.78 Gas	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	(Mct/d)
200 175 175 175 175 175 175 175 175	Party Transmance Party Transm	(Min.) 0 1 31 60 90 123	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86 64.05 1111.32	Temp (deg F) 98.84 97.75 102.50 105.26 104.97 109.20 111.60 111.78 Gas	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	: (Mcf/d)
200 175 175 175 175 175 175 175 175	Party Transmance Party Transm	(Min.) 0 1 31 60 90 123	Pressure (psig) 1891.30 24.34 45.35 1141.32 47.86 64.05 1111.32	Temp (deg F) 98.84 97.75 102.50 105.26 104.97 109.20 111.60 111.78 Gas	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	(Mcf/d)

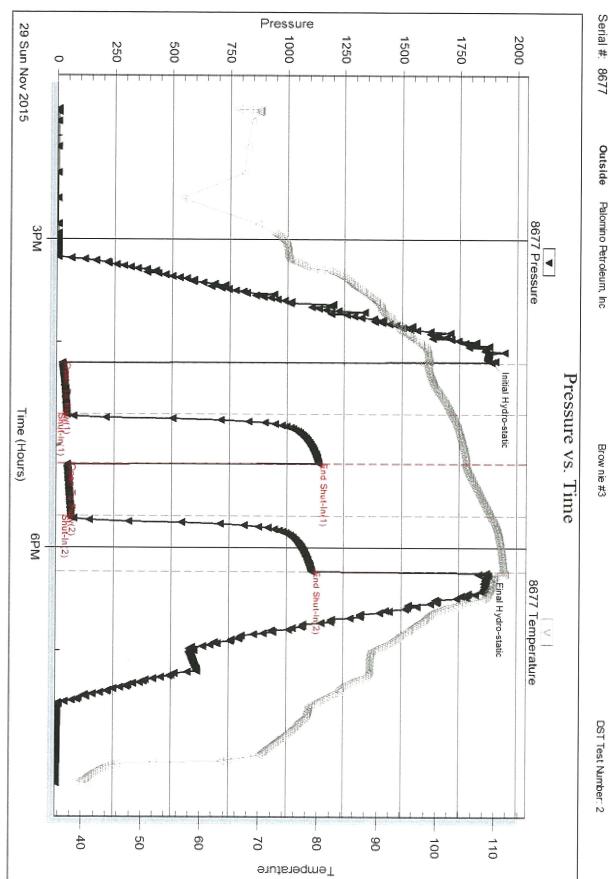
RILOBITE	DRILL STEM TE				
TESTING, INC	Palomino Petroleum, Inc		7-14s-30v	v Gove,KS	<b>i</b>
ESTING, INC	4924 SE 84th St. New ton KS 67114		Brownie		
	ATTN: Ryan Seib		Job Ticket:		DST#: 2
uited.				2015.11.29 (	<u>b</u> 13.44.00
GENERAL INFORMATION:					
Formation:     LKC     C       Deviated:     No     Whipstock:       Time Tool Opened:     16:12:00       Time Test Ended:     20:17:15	ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 69	al Bottom Hole (Reset) alter
nterval: 3898.00 ft (KB) To 394			Reference	Elevations:	2779.00 ft (KB)
Total Depth: 3940.00 ft (KB) (TV Hole Diameter: 7.88 inches Hole	D) Condition: Good		к	B to GR/CF:	2771.00 ft (CF) 8.00 ft
					0.00 11
<b>Serial #: 8365</b> Inside Press@RunDepth: psig (	@ 3899.00 ft (KB)		Capacity:		8000.00 psig
Start Date: 2015.11.29	End Date:	2015.11.29	Last Calib.:		2015.11.29
Start Time: 13:44:05	End Time:	20:18:14	Time On Btm: Time Off Btm:		
2000	8305 Tempendure	Time (Min.)	Pressure Temp	Annotati	
Pressure vs. Tr			PRESSI	JRE SUMN	IARY
1722		(Min.)	(psig) (deg F	1	on
		Į			
		3			
		ratur			
		erature			
		undura			
		ndun			
		natua			
		natra	G	as Rates	
son Hor 2005 334 Time (Ham) Recovery Length (ft) Description	Gau Volume (bbl)				ure (psig) Gas Rate (Mcf/d)
son how 2015 31 Tree (Haus) Recovery	GTN				ure (psig) Gas Rate (Mcf/d)
son Hor 2005 334 Time (Ham) Recovery Length (ft) Description	Gau Volume (bbl)				ure (psig) Gas Rate (Mcf/d
son Hor 2005 33M Time (Ham) Recovery Length (ft) Description	Gau Volume (bbl)				ure (psig) Gas Rate (Mcf/d
200	Gau Volume (bbl)				ure (psig) Gas Rate (Mcf/d)

NC 4924 SE New ton A TTN:					6
	KC 67114			Brownie #3	
ATTN:	NO 0/114			Job Ticket: 61848	DST#: 2
	Ryan Seib			Test Start: 2015.11.29 (	
) ft Diameter:	3.80 in	ches Volume:	52.84 bbl	Tool Weight:	2500.00 lb
) ft Diameter:	0.00 in	ches Volume:	0.00 bbl	•	
) ft Diameter:	2.25 in	ches Volume:	0.60 bbl	Weight to Pull Loose:	65000.00 lb
) ft		Total Volume:	53.44 bbl	Tool Chased	0.00 ft
) ft					52000.00 lb
ft				Final	52000.00 lb
) ft					
) ft					
2 Diameter:	6.75 in	ches			
Length (ft)	Serial No.	Position	Depth (ft) Ad	ccum. Lengths	
1.00			3872.00		
5.00			3877.00		
5.00			3882.00		
5.00			3887.00		
2.00			3889.00		
			3894.00		
5.00			3034.00	27.00	Bottom Of Top Packer
5.00 4.00			3898.00	27.00	Bottom Of Top Packer
				27.00	Bottom Of Top Packer
4.00	8365	Inside	3898.00	27.00	Bottom Of Top Packer
4.00 1.00 0.00 0.00	8365 8677	lnside Outside	3898.00 3899.00	27.00	Bottom Of Top Packer
4.00 1.00 0.00			3898.00 3899.00 3899.00	27.00	Bottom Of Top Packer
4.00 1.00 0.00 0.00			3898.00 3899.00 3899.00 3899.00	27.00	Bottom Of Top Packer
4.00 1.00 0.00 0.00 5.00			3898.00 3899.00 3899.00 3899.00 3899.00 3904.00	27.00	Bottom Of Top Packer
4.00 1.00 0.00 0.00 5.00 1.00			3898.00 3899.00 3899.00 3899.00 3904.00 3905.00	27.00	Bottom Of Top Packer
4.00 1.00 0.00 5.00 1.00 31.00			3898.00 3899.00 3899.00 3899.00 3904.00 3905.00 3936.00		Bottom Of Top Packer
	0 ft Diameter: 0 ft Diameter: 0 ft 0 ft 0 ft 0 ft 2 Diameter: Length (ft) S 1.00 5.00 5.00 5.00	0 ft         Diameter:         0.00 in           0 ft         Diameter:         2.25 in           0 ft         ft         0           0 ft         Diameter:         6.75 in           0 ft         Diameter:         6.75 in           Length (ft)         Serial No.           1.00         5.00           5.00         5.00	2) ft Diameter: 0.00 inches Volume: 2) ft Diameter: 2.25 inches Volume: 7) ft Total Volume: 2) ft Diameter: 6.75 inches Length (ft) Serial No. Position 1.00 5.00 5.00 5.00	Deft         Diameter:         0.00 inches Volume:         0.00 bbl           0 ft         Diameter:         2.25 inches Volume:         0.60 bbl           0 ft         Total Volume:         53.44 bbl           0 ft         Total Volume:         53.44 bbl           0 ft         0 ft         0 ft           0 ft         Diameter:         6.75 inches           Length (ft)         Serial No.         Position         Depth (ft)         Ad           1.00         3872.00         3877.00         5.00         3882.00           5.00         3887.00         3887.00         3887.00	0 ft       Diameter:       0.00 inches Volume:       0.00 bbl       Weight set on Packer         0 ft       Diameter:       2.25 inches Volume:       0.60 bbl       Weight to Pull Loose:         0 ft       Total Volume:       53.44 bbl       Tool Chased         0 ft       Total Volume:       53.44 bbl       Tool Chased         0 ft       Total Volume:       53.44 bbl       Tool Chased         1 ft       Final       String Weight: Initial       Final         1 ft       Diameter:       6.75 inches       String Weight: Lengths         1 1.00       3872.00       3877.00         5 00       3882.00       3887.00

10AT	RILOBITE	DRI	LL STEM TEST F	REPOR	Г		FLUID SUM	MARY
		Palomin	o Petroleum, Inc		7-14s-30w	Gove,KS		
日本	ESTING , INC		E 84th St.		Brownie a	#3		
		New tor	n KS 67114		Job Ticket: 6		DST#: 2	
NO.		ATTN:	Ryan Seib		Test Start: 2	2015.11.29 @ 1	3:44:00	
Mud and Cus	shion Information							
	I Chem		Cushion Type:			Oil A PI:	0 deg	J API
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:	0 ppr	n
Viscosity: Water Loss:	54.00 sec/qt 6.78 in³		Cushion Volume: Gas Cushion Type:		bbl			
Resistivity:	ohm.m		Gas Cushion Pressure	e:	psig			
Salinity:	3700.00 ppm			•	poig			
Filter Cake:	1.00 inches							
Recovery Inf	ormation							
	1		Recovery Table			٦		
	Lengt ft	in	Description		Volume bbl			
		80.00	w cm 10w 90m (oil spots)		0.393	3		
	Total Length:	80.0	00 ft Total Volume:	0.393 bbl				
	Num Fluid Samp		Num Gas Bombs:	0	Serial #:	:		
	Laboratory Nam Recovery Comm		Laboratory Location	n:				

Ref. No: 61848

Trilobite Testing, Inc



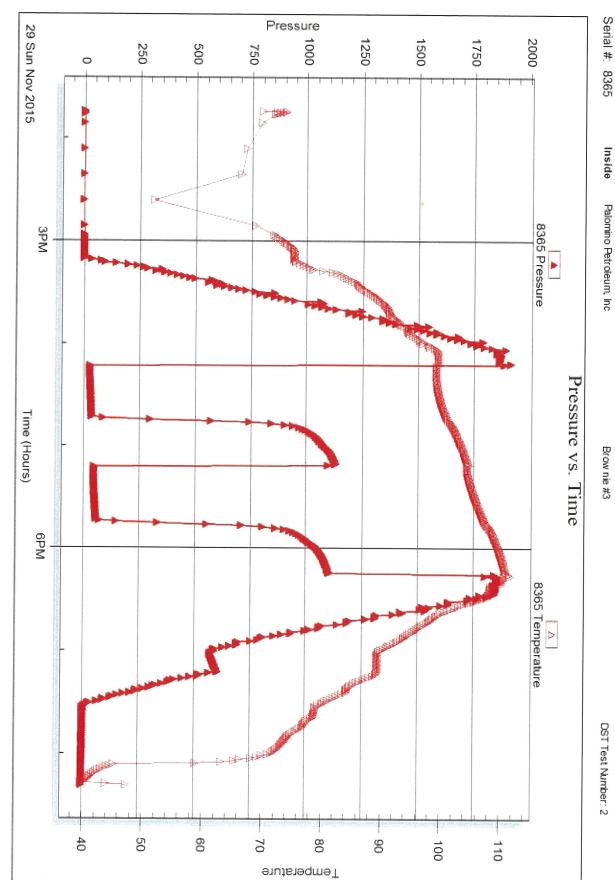
Outside

Palomino Petroleum, Inc

Brow nie #3

DST Test Number: 2

Ref. No: 61848





## Prepared For: Palomino Petroleum, Inc

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

#### Brownie #3

#### 7-14s-30w Gove,KS

Start Date: 2015.11.30 @ 03:56:00 2015.11.30 @ 10:43:00 End Date: Job Ticket #: 61849 DST #: 3

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

Printed: 2015.12.08 @ 14:13:20

RILOBITE	DRILL STEM TE	SIREP						
L T I L I Internet	Palomino Petroleum, Inc		7-1	4s-30w	Gove,KS			
ESTING , INC	4924 SE 84th St. New ton KS 67114			<b>wnie #</b> Ticket: 6		DOT#	2	
	ATTN: Ryan Seib				015.11.30 @	<b>DST#:</b> 03:56:00	3	
GENERAL INFORMATION:								
Formation:LKCD-FDeviated:NoWhipstock:Time Tool Opened:06:54:00Time Test Ended:10:43:00	ft (KB)		Tes Tes Unit	ter:	Convention Bradley Wa 69		ole (Reset)	
Interval:3938.00 ft (KB) To399Total Depth:3992.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Refe	erence El	evations: to GR/CF:		ft (KB) ft (CF) ft	
Serial #:       8677       Outside         Press@RunDepth:       27.54 psig (         Start Date:       2015.11.30         Start Time:       03:56:05         TEST COMMENT:       IF: Surface blow , ISI: No return. FF: No blow .	End Date: End Time:	2015.11.30 10:42:59	Capacity Last Calit Time On I Time Off	b.: Btm:	2015.11.30 2015.11.30	-		
FSI: No return. Pressure vs. Th 2000	IIC 807 Torprake 100 Torprake 100 Torprake 100 Torprake	Time (Min.)	PF Pressure (psig)	RESSUF Temp (deg F)	RE SUMM			
		0 1 33 63 ₹ 63	1915.58 21.91 24.71 525.42 24.70	103.19 102.48 104.53 106.36	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F	ïlow (1) n(1)		
		Treppentur 94 123 124	27.54 526.23 1894.47		Shut-In(2) End Shut-I	n(2)		
Recovery				Ga	s Rates			
Length (ft)         Description           5.00         Mud 100m	Volume (bbl) 0.02			Choke (i	nches) Pressu	re (psig) G	as Rate (Mcf/d)	
	1							

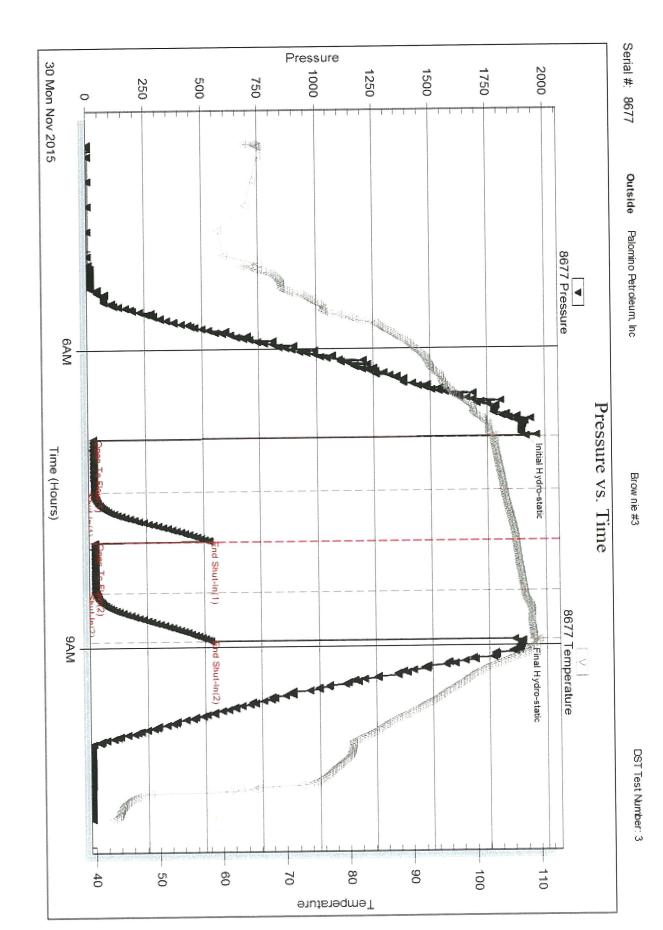
Printed: 2015.12.08 @ 14:13:20

RILOBITE	DRILL STEM TE	SIREP	ORT	
	Palomino Petroleum, Inc		7-14s-30w	v Gove,KS
ESTING , INC	4924 SE 84th St. New ton KS 67114		Brownie	
	ATTN: Ryan Seib		Job Ticket: Test Start:	61849 <b>DST#: 3</b> 2015.11.30 @ 03:56:00
	-			
GENERAL INFORMATION:				
Formation: LKC D-F Deviated: No Whipstock: Time Tool Opened: 06:54:00 Time Test Ended: 10:43:00	ft (KB)		Test Type: Tester: Unit No:	Conventional Bottom Hole (Reset) Bradley Walter 69
nterval: 3938.00 ft (KB) To 399			Reference E	Bevations: 2779.00 ft (KB)
Fotal Depth: 3992.00 ft (KB) (TV Hole Diameter: 7 88 inchesHole	'D) Condition: Good			2771.00 ft (CF)
NOC DIAMETER. 1.00 INCRESTICE	Good		KE	3 to GR/CF: 8.00 ft
Serial #: 8365 Inside Press@RunDepth: psig ( Start Date: 2015.11.30 Start Time: 03:56:05	End Date: End Time:	2015.11.30 10:43:29	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.00 psig 1899.12.30
ISI: No return. FF: No blow . FSI: No return.				
Pressure vs. Tu			PRESSU	IRE SUMMARY
	DDC BOD Tomportane 100 100 100 100 100 100 100 10	(Min.)	PRESSU Pressure (psig) (deg F)	Annotation
		(Min.)	Pressure Temp (psig) (deg F)	Annotation
200 773 773 773 773 773 773 773 7	100 Tomportane 100 Tomportane 100 100 100 100 100 100 100 10	(Min.)	Pressure Temp (psig) (deg F)	Annotation
TTO DECOVERY		(Min.)	Pressure Temp (psig) (deg F)	Annotation

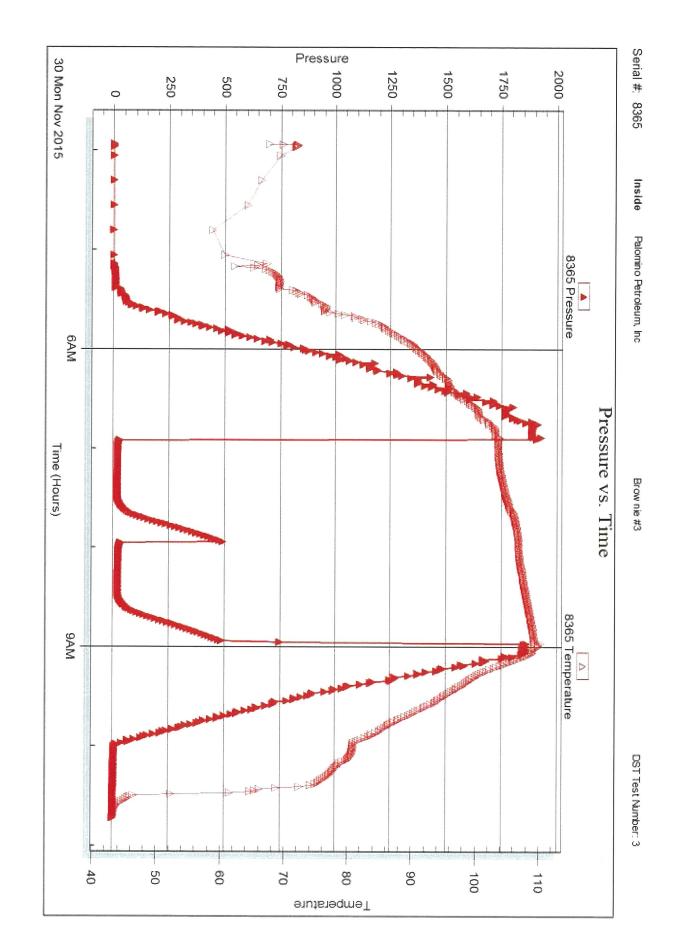
	1	Palomino	Petroleum,	Inc		7-14s-30w Gove	e,KS
EST	FING , INC	4924 SE	84th St. KS 67114			Brownie #3	
		Newton	NO 0/114			Job Ticket: 61849	DST#:3
		ATTN: F	Ryan Seib			Test Start: 2015.11	.30 @ 03:56:00
Tool Information							
Drill Pipe: Length:	3796.00 ft	Diameter:	3.80 in	ches Volume:	53.25 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bbl	Weight set on Pa	acker: 25000.00 lb
Drill Collar: Length:	121.00 ft	Diameter:	2.25 in	ches Volume:		-	ose: 68000.00 lb
Drill Pipe Above KB:	6.00 ft			Total Volume:	53.85 bbl	Tool Chased	0.00 ft
Depth to Top Packer:	3938.00 ft					String Weight: In	
Depth to Bottom Packer:	ft					FI	inal 52000.00 lb
Interval betw een Packers:	54.00 ft						
Tool Length:	81.00 ft						
Number of Packers: Tool Comments:	2	Diameter:	6.75 in	ches			
Tool Description	Len	<u> </u>	Serial No.	Position		Accum. Lengths	
Change Over Sub	Len	1.00	Serial No.	Position	3912.00	Accum. Lengths	
Change Over Sub Shut In Tool	Len	1.00 5.00	Serial No.	Position	3912.00 3917.00	Accum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool	Len	1.00 5.00 5.00	Serial No.	Position	3912.00 3917.00 3922.00	Accum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars	Len	1.00 5.00 5.00 5.00	Serial No.	Position	3912.00 3917.00 3922.00 3927.00	Accum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	Len	1.00 5.00 5.00 5.00 2.00	Serial No.	Position	3912.00 3917.00 3922.00 3927.00 3929.00		
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer	Len	1.00 5.00 5.00 5.00 2.00 5.00	Serial No.	Position	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00	Accum. Lengths 27.00	Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Len	1.00 5.00 5.00 2.00 5.00 4.00	Serial No.	Position	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00		Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Len	1.00 5.00 5.00 2.00 5.00 4.00 1.00			3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3938.00		Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	Len	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00		Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00			3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00		Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		1.00         5.00         5.00         2.00         5.00         4.00         1.00         0.00         17.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00 3939.00		Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 17.00 1.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00 3939.00 3956.00 3957.00		Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 17.00 1.00 31.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00 3939.00 3956.00 3957.00 3988.00		Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 17.00 1.00 31.00 1.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00 3956.00 3957.00 3988.00 3989.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 17.00 1.00 31.00 3.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00 3939.00 3956.00 3957.00 3988.00		Bottom Of Top Pack
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 17.00 1.00 31.00 1.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00 3956.00 3957.00 3988.00 3989.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 17.00 1.00 31.00 3.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00 3956.00 3957.00 3988.00 3989.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 17.00 1.00 31.00 3.00	8365	Inside	3912.00 3917.00 3922.00 3927.00 3929.00 3934.00 3938.00 3939.00 3939.00 3939.00 3956.00 3957.00 3988.00 3989.00	27.00	

AON TRUD	BITE -	DRILL	STEM TEST F	REPORT	Γ		FLUID S	UMMARY
		Palomino Petr	oleum, Inc		7-14s-30w Gove,KS			
	TING , INC	4924 SE 84th			Brownie #3			
		New ton KS 6	57114		Job Ticket: 6	61849	DST#: 3	
		ATTN: Ryan	Seib		Test Start: 2	2015.11.30 @ 0	3:56:00	
Mud and Cushion Ir	nformation							
Mud Type: Gel Chem	<b>.</b>		Cushion Type:			Oil API:		deg API
	0 lb/gal 0 sec/qt		Cushion Length: Cushion Volume:		ft bbl	Water Salinity:	I	) ppm
Water Loss: 6.78			Gas Cushion Type:		551			
Resistivity:	ohm.m		Gas Cushion Pressure	<b>e</b> :	psig			
Salinity: 3000.00 Filter Cake: 1.00	) ppm ) inches							
Recovery Information	on		min Anna 1997 - Anna Anna Anna Anna Anna Anna Anna An					
			Recovery Table			_		
	Length ft		Description		Volume bbl			
		5.00 Mud 1	00m		0.025	5		
Т	otal Length:	5.00 ft	Total Volume:	0.025 bbl				
Ν	Ium Fluid Sample:	s: 0	Num Gas Bombs:	0	Serial #	:		
	aboratory Name: Recovery Comme		Laboratory Location	n:				

Ref. No: 61849



Ref. No: 61849





Prepared For:

Palomino Petroleum, Inc

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

#### Brownie #3

#### 7-14s-30w Gove,KS

 Start Date:
 2015.11.30 @ 22:50:00

 End Date:
 2015.12.01 @ 05:13:15

 Job Ticket #:
 61850
 DST #:
 4

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

Printed: 2015.12.08 @ 14:12:56

RILOBITE	DRILL STEM TE			
TESTING, INC	Palomino Petroleum, Inc		7-14s-	30w Gove,KS
	4924 SE 84th St. New ton KS 67114			nie #3 ket: 61850 DST#:4
	ATTN: Ryan Seib			art: 2015.11.30 @ 22:50:00
GENERAL INFORMATION:				
Formation: LKC I Deviated: No Whipstock: Time Tool Opened: 00:47:15 Time Test Ended: 05:13:15	ft (KB)		Test Ty Tester: Unit No:	Bradley Walter
Interval:         4020.00 ft (KB) To         409           Total Depth:         4090.00 ft (KB) (TV           Hole Diameter:         7.88 inchesHole			Referei	nce Elevations: 2779.00 ft (KB) 2771.00 ft (CF)
				KB to GR/CF: 8.00 ft
Serial #:         8522         Outside           Press@RunDepth:         28.82 psig         0           Start Date:         2015.11.30         0           Start Time:         22:50:05         0           TEST COMMENT:         IF: Surface blow ,         0	End Date: End Time:	2015.12.01 05:13:14	Capacity: Last Calib.: Time On Btm Time Off Btm	•
ISI: No return. FF: No blow . FSI: No return. Pressure vs. Th			DDE	
<b>V</b>				SSURE SUMMARY
2000	#22 Temponásre	Time	Pressure T	SSURE SUMMARY
	10 10	(Min.) 0 1	Pressure T (psig) (d 1988.66 1 25.98 1	emp Annotation eg F) 01.59 Initial Hydro-static 01.07 Open To Flow (1)
200	170	(Min.) 0 1 36 64	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1	emp Annotation eg F) 01.59 Initial Hydro-static 01.07 Open To Flow (1) 03.55 Shut-In(1) 04.97 End Shut-In(1)
		(Min.) 0 1 36 64 65	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1           26.59         1	emp Annotation eg F) 01.59 Initial Hydro-static 01.07 Open To Flow (1) 03.55 Shut-In(1) 04.97 End Shut-In(1) 04.94 Open To Flow (2)
		(Min.) 0 1 36 64	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1           26.59         1           28.82         1           101.76         1	emp Annotation eg F) 01.59 Initial Hydro-static 01.07 Open To Flow (1) 03.55 Shut-In(1) 04.97 End Shut-In(1)
		(Min.) 0 1 36 64 65 96 127	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1           26.59         1           28.82         1           101.76         1	emp         Annotation           eg F)         01.59         Initial Hydro-static           01.07         Open To Flow (1)         03.55           Shut-In(1)         04.97         End Shut-In(1)           04.94         Open To Flow (2)         06.39           Shut-In(2)         07.65         End Shut-In(2)
200 700 700 700 700 700 700 700		(Min.) 0 1 36 64 65 96 127	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1           26.59         1           28.82         1           101.76         1	emp         Annotation           eg F)         01.59         Initial Hydro-static           01.07         Open To Flow (1)         03.55           Shut-In(1)         04.97         End Shut-In(1)           04.94         Open To Flow (2)         06.39           Shut-In(2)         07.65         End Shut-In(2)
200 773 780 780 780 780 780 780 780 780	19 50 50 50 50 50 50 50 50 50 50 50 50 50	(Min.) 0 1 36 64 65 96 127	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1           26.59         1           28.82         1           101.76         1           1935.88         1	emp eg F)       Annotation         01.59       Initial Hydro-static         01.07       Open To Flow (1)         03.55       Shut-In(1)         04.97       End Shut-In(1)         04.94       Open To Flow (2)         06.39       Shut-In(2)         07.65       End Shut-In(2)         08.17       Final Hydro-static
200 700 700 700 700 700 700 700		(Min.) 0 1 36 64 65 96 127	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1           26.59         1           28.82         1           101.76         1           1935.88         1	emp eg F)       Annotation         01.59       Initial Hydro-static         01.07       Open To Flow (1)         03.55       Shut-In(1)         04.97       End Shut-In(1)         04.94       Open To Flow (2)         06.39       Shut-In(2)         07.65       End Shut-In(2)         08.17       Final Hydro-static
200 773 730 730 730 730 730 730 7	19 50 50 50 50 50 50 50 50 50 50 50 50 50	(Min.) 0 1 36 64 65 96 127	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1           26.59         1           28.82         1           101.76         1           1935.88         1	emp eg F)       Annotation         01.59       Initial Hydro-static         01.07       Open To Flow (1)         03.55       Shut-In(1)         04.97       End Shut-In(1)         04.94       Open To Flow (2)         06.39       Shut-In(2)         07.65       End Shut-In(2)         08.17       Final Hydro-static
200 770 780 790 790 790 790 790 790 790 79	19 50 50 50 50 50 50 50 50 50 50 50 50 50	(Min.) 0 1 36 64 65 96 127	Pressure         T           (psig)         (d           1988.66         1           25.98         1           27.66         1           110.60         1           26.59         1           28.82         1           101.76         1           1935.88         1	emp eg F)       Annotation         01.59       Initial Hydro-static         01.07       Open To Flow (1)         03.55       Shut-In(1)         04.97       End Shut-In(1)         04.94       Open To Flow (2)         06.39       Shut-In(2)         07.65       End Shut-In(2)         08.17       Final Hydro-static

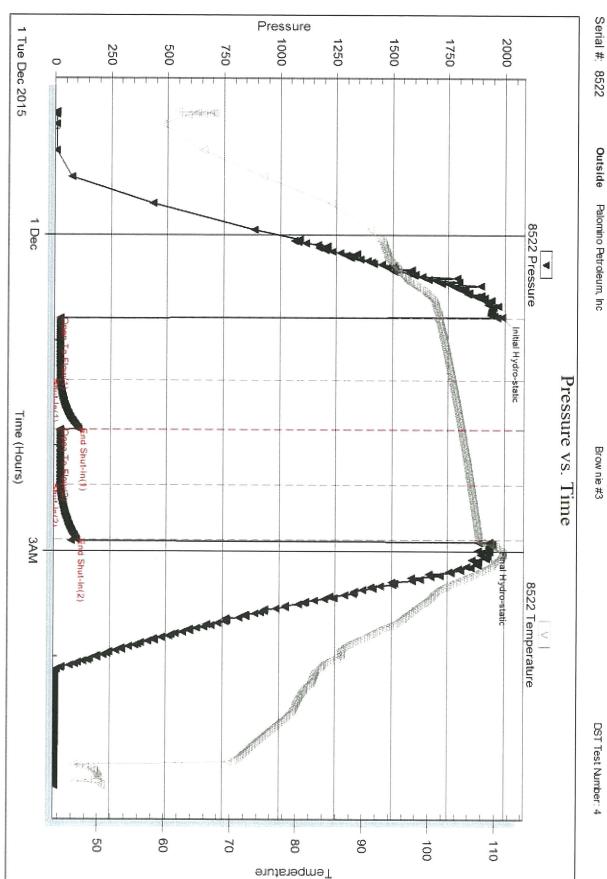
ACIN TR	LOBITE	DRILL STEM TI	EST REP	ORT		
	ESTING , INC	Palomino Petroleum, Inc		7-14s-30\	v Gove,KS	
	ESTING, INC	4924 SE 84th St. New ton KS 67114		Brownie		
				Job Ticket:		DST#:4
<b>10.41</b> 0		ATTN: Ryan Seib		Test Start:	2015.11.30 (	22:50:00
GENERAL INFOR	RMATION:					en e
Formation: LH Deviated: No Time Tool Opened: 00 Time Test Ended: 05	):47:15	ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 69	al Bottom Hole (Reset) alter
Interval: 4020	.00 ft (KB) To 40	90.00 ft (KB) (TVD)		Reference	Elevations:	2779.00 ft (KB)
	1090.00 ft (KB) (T\					2771.00 ft (CF)
Hole Diameter:	7.88 inchesHole	Condition: Good	K	8.00 ft		
Serial #: 8365	Inside			<b>_</b>		
Press@RunDepth: Start Date:	psig 2015.11.30	@ 4021.00 ft (KB) End Date:	2015.12.01	Capacity: Last Calib.:		8000.00 psig 1899.12.30
Start Time:	22:50:05	End Time:	05:13:14	Time On Btm: Time Off Btm:		1099.12.30
1750	/		™ (Min.)	(psig) (deg f	5	
1750			82			
	**************************************		20			
			ø			
500			1 1			
			α			
	Tires (Haurs)		a			
			D		as Rates	
	Tree (Hoos) Recovery Description		»		as Rates	ure (psig) Gas Rate (Mcf/d)
220 0 Tue Dec 275 10ec	Recovery Description		»			ure (psig) Gas Rate (Mct/d)
zza e two Dec 2015 Length (ft)	Recovery Description	Volume (bbl)	»			ure (psig) Gas Rate (Mct/d)
zza	Recovery Description	Volume (bbl)	»			ure (psig) Gas Rate (M <i>cf/d</i> )
zza v tue Dec 2015 Length (ft)	Recovery Description	Volume (bbl)	<b>B</b>			ure (psig) Gas Rate (Mct/d)
zza	Recovery Description	Volume (bbl)	»			ure (psig) Gas Rate (Mcf/d)

	BITE	Palomino	Petroleum,	Inc		7-14s-30w Gove,	KS
	TING , INC	4924 SE	84th St.			Brownie #3	
		New ton	KS 67114			Job Ticket: 61850	DST#:4
		ATTN:	Ryan Seib			Test Start: 2015.11.3	
Tool Information					×		
Drill Pipe: Length	3890.00 ft	Diameter:	3.80 ir	nches Volume:	54.57 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Length	0.00 ft	Diameter:	0.00 ir	nches Volume:	0.00 bbl	Weight set on Pac	cker: 25000.00 lb
Drill Collar: Length	121.00 ft	Diameter:	2.25 ir	ches Volume:		Weight to Pull Loo	
Drill Pipe Above KB:	18.00 ft			Total Volume:	55.17 bbl	Tool Chased	0.00 ft
Depth to Top Packer:	4020.00 ft					String Weight: Init	
Depth to Bottom Packer:	ft					Fin	al 52000.00 lb
Interval between Packers							
Tool Length:	97.00 ft						
Number of Packers: Tool Comments:	2	Diameter:	6.75 ir	iches			
Tool Description	Le	ngth (ft)	Serial No.	Position	Depth (ft) Ad	ccum. Lengths	
Change Over Sub	Le	<b>ngth (ft)</b>	Serial No.	Position	<b>Depth (ft)</b> Ad 3994.00	ccum. Lengths	
Change Over Sub Shut In Tool	Le	1.00 5.00	Serial No.	Position		ccum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool	Le	1.00 5.00 5.00	Serial No.	Position	3994.00	ccum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars	Le	1.00 5.00	Serial No.	Position	3994.00 3999.00	ccum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	Le	1.00 5.00 5.00 5.00 2.00	Serial No.	Position	3994.00 3999.00 4004.00	ccum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer	Le	1.00 5.00 5.00 5.00 2.00 5.00	Serial No.	Position	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00	ccum. Lengths	Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Le	1.00 5.00 5.00 2.00 5.00 4.00	Serial No.	Position	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Le	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00			3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00	8365	Inside	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder	Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00			3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00 4021.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations	Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 33.00	8365	Inside	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00 4021.00 4021.00 4021.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub	Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 33.00 1.00	8365	Inside	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00 4021.00 4021.00 4054.00 4055.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 33.00 1.00 31.00	8365	Inside	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00 4021.00 4021.00 4055.00 4086.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub	Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 33.00 1.00 31.00 1.00	8365	Inside	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00 4021.00 4021.00 4055.00 4086.00 4087.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 33.00 1.00 31.00 1.00	8365	Inside	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00 4021.00 4021.00 4055.00 4086.00		Bottom Of Top Packe Bottom Packers & Ancho
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose	Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 33.00 1.00 31.00 1.00	8365	Inside	3994.00 3999.00 4004.00 4009.00 4011.00 4016.00 4020.00 4021.00 4021.00 4021.00 4055.00 4086.00 4087.00	27.00	

RILOBITE	DF	RILL STEM TEST	REPOR	Г	F	FLUID SUMMAR	
		mino Petroleum, Inc		7-14s-30w			
ESTING		SE 84th St.		Brownie #3			
	New	ton KS 67114		Job Ticket: 6	\$1850	DST#:4	
	ATTA	N: Ryan Seib		Test Start: 2	2015.11.30 @ 22	2:50:00	
Mud and Cushion Informa	ation						
Mud Type: Gel Chem		Cushion Type:			Oil API:	0 deg API	
Mud Weight: 9.00 lb/gal Viscosity: 52.00 sec/qt	L.	Cushion Length: Cushion Volume:		ft	Water Salinity:	0 ppm	
Water Loss: 7.39 in <sup>3</sup>	l	Gas Cushion Type:		bbl			
Resistivity: ohm.m	ı	Gas Cushion Pressu	ire:	psig			
Salinity: 3900.00 ppm							
Filter Cake: 1.00 inches	3						
Recovery Information		Recovery Table					
[	Length	Description		Volume	1		
	ft			bbl			
	5.00	mud 100m		0.025	5]		
Total Ler	ngth:	5.00 ft Total Volume:	0.025 bbl				
	d Samples: 0 ory Name:	Num Gas Bombs: Laboratory Local		Serial #	:		

Ref. No: 61850

Tritobite Testing, Inc

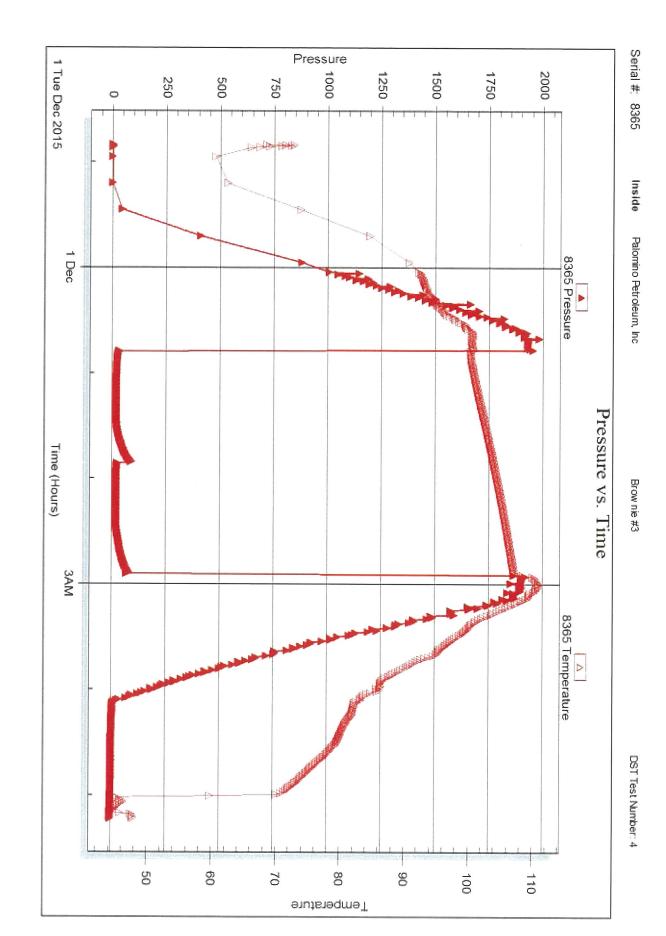


Outside

Brow nie #3

DST Test Number: 4

Ref. No: 61850





## DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum, Inc

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

## Brownie #3

## 7-14s-30w Gove,KS

 Start Date:
 2015.12.01 @ 13:27:00

 End Date:
 2015.12.01 @ 19:23:45

 Job Ticket #:
 64681
 DST #: 5

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

Printed: 2015.12.08 @ 14:12:04

RILOBITE	DRILL STEM TE			
TESTING, INC	Palomino Petroleum, Inc		7-14s-3	80w Gove,KS
	4924 SE 84th St. New ton KS 67114		<b>Brown</b> Job Tick	ie #3 et: 64681 DST#:5
	ATTN: Ryan Seib		Test Sta	rt: 2015.12.01 @ 13:27:00
GENERAL INFORMATION:				
Formation: LKC - J Deviated: No Whipstock: Time Tool Opened: 15:22:45 Time Test Ended: 19:23:45	ft (KB)		Test Typ Tester: Unit No:	be: Conventional Bottom Hole (Reset) Bradley Walter 69
nterval:         4086.00 ft (KB) To         412           Total Depth:         4120.00 ft (KB) (TV           Hole Diameter:         7.88 inches Hole	D)		Referen	ce Elevations: 2779.00 ft (KB) 2771.00 ft (CF) KB to GR/CF: 8.00 ft
				KB to GR/CF? 8.00 ft
Serial #:8522OutsidePress@RunDepth:47.19 psig @Start Date:2015.12.01Start Time:13:27:05	4087.00 ft (KB) End Date: End Time:	2015.12.01 19:23:44	Capacity: Last Calib.: Time On Btm: Time Off Btm:	
ISI: No return FF: Surface blow FSI: No return Pressure vs. Th	ne		PRES	SURE SUMMARY
SZ2 Pressure	TT 2522 Temperature	Time		
2000		1		mp Annotation
	110	(Min.) 0	(psig) (de	mp Annotation g F) 5.08 Initial Hydro-static
778		(Min.) 0 1	(psig) (de 2037.02 10 23.41 10	g F) 5.08 Initial Hydro-static 4.86 Open To Flow (1)
	J¥	(Min.) 0	(psig) (de 2037.02 10 23.41 10 39.67 10	g F) 5.08 Initial Hydro-static
		(Min.) 0 1 30 60 61	(psig) (de 2037.02 10 23.41 10 39.67 10 1064.23 11 38.61 11	gF)5.08Initial Hydro-static4.86Open To Flow (1)8.64Shut-In(1)0.35End Shut-In(1)0.17Open To Flow (2)
		(Min.) 0 1 30 60 61 91	(psig)         (de           2037.02         10           23.41         10           39.67         10           1064.23         11           38.61         11           47.19         11	gF)         5.08       Initial Hydro-static         4.86       Open To Flow (1)         8.64       Shut-In(1)         0.35       End Shut-In(1)         0.17       Open To Flow (2)         1.95       Shut-In(2)
		(Min.) 0 1 30 60 61	(psig)         (de           2037.02         10           23.41         10           39.67         10           1064.23         11           38.61         11           47.19         11           1031.96         11	gF)5.08Initial Hydro-static4.86Open To Flow (1)8.64Shut-In(1)0.35End Shut-In(1)0.17Open To Flow (2)
175 275 275 275 275 275 275 275 2		(Min.) 0 1 30 60 61 91 123	(psig)         (de           2037.02         10           23.41         10           39.67         10           1064.23         11           38.61         11           47.19         11           1031.96         11	ag F)5.08Initial Hydro-static4.86Open To Flow (1)8.64Shut-In(1)0.35End Shut-In(1)0.17Open To Flow (2)1.95Shut-In(2)2.84End Shut-In(2)3.15Final Hydro-static
		(Min.) 0 1 30 60 61 91 123	(psig) (de 2037.02 10 23.41 10 39.67 10 1064.23 11 38.61 11 47.19 11 1031.96 11 1975.08 11	g F) 5.08 Initial Hydro-static 4.86 Open To Flow (1) 8.64 Shut-In(1) 0.35 End Shut-In(1) 0.17 Open To Flow (2) 1.95 Shut-In(2) 2.84 End Shut-In(2) 3.15 Final Hydro-static Gas Rates
rro ro ro ro ro ro ro ro ro ro		(Min.) 0 1 30 60 61 91 123	(psig) (de 2037.02 10 23.41 10 39.67 10 1064.23 11 38.61 11 47.19 11 1031.96 11 1975.08 11	g F) 5.08 Initial Hydro-static 4.86 Open To Flow (1) 8.64 Shut-In(1) 0.35 End Shut-In(1) 0.17 Open To Flow (2) 1.95 Shut-In(2) 2.84 End Shut-In(2) 3.15 Final Hydro-static Gas Rates
1750 1750	Colume (bbl)	(Min.) 0 1 30 60 61 91 123	(psig) (de 2037.02 10 23.41 10 39.67 10 1064.23 11 38.61 11 47.19 11 1031.96 11 1975.08 11	g F) 5.08 Initial Hydro-static 4.86 Open To Flow (1) 8.64 Shut-In(1) 0.35 End Shut-In(1) 0.17 Open To Flow (2) 1.95 Shut-In(2) 2.84 End Shut-In(2) 3.15 Final Hydro-static Gas Rates
rrs rrs rrs rrs rrs rrs rrs rrs	Colume (bbl)	(Min.) 0 1 30 60 61 91 123	(psig) (de 2037.02 10 23.41 10 39.67 10 1064.23 11 38.61 11 47.19 11 1031.96 11 1975.08 11	g F)         5.08       Initial Hydro-static         4.86       Open To Flow (1)         8.64       Shut-In(1)         0.35       End Shut-In(1)         0.17       Open To Flow (2)         1.95       Shut-In(2)         2.84       End Shut-In(2)         3.15       Final Hydro-static

	DRILL STEM TE	ST REP	ORT			
	Palomino Petroleum, Inc		7-14s-30w	Gove,KS	)	
ESTING , INC	4924 SE 84th St. New ton KS 67114		Brownie # Job Ticket: 6		DST#	· 5
	ATTN: Ryan Seib		Test Start: 2			
GENERAL INFORMATION:			<u> </u>			
Formation:LKC - JDeviated:NoWhipstock:Time Tool Opened:15:22:45Time Test Ended:19:23:45	ft (KB)			Convention Bradley Wa 69		lole (Reset)
Interval:4086.00 ft (KB) To41Total Depth:4120.00 ft (KB) (TvHole Diameter:7.88 inchesHole			Reference ⊟ KB	levations: to GR/CF:	2771.0	0 ft (KB) 0 ft (CF) 0 ft
Serial #: 8365InsidePress@RunDepth:psigStart Date:2015.12.01Start Time:13:27:05	<ul> <li>4087.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2015.12.01 19:23:44	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2015.12.0	
FSI: No return Pressure vs. 13	mc 500 Ympenaec	Time	PRESSU	RE SUMM		
200 170 200 200 200 200 200 200 200 2		(Min.)	(psig) (deg F)			
Recovery	9		Ga	l Is Rates		
Length (ft) Description 40.00 mud 100m	Volume (bbl) 0.20		Choke (	inches) Press	ure (psig) (	Gas Rate (Mcf/d)
		1				

Ref. No: 64681

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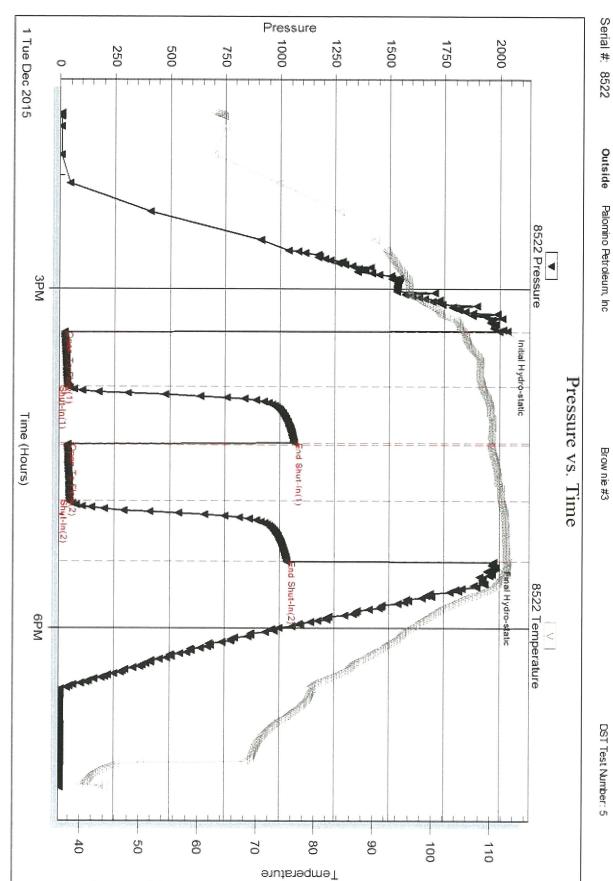
Heavy Wt. Pipe:       Length:       0.00 ft       Diameter:       0.0         Drill Collar:       Length:       121.00 ft       Diameter:       2.2         Drill Pipe Above KB:       17.00 ft         Depth to Top Packer:       4086.00 ft         Depth to Bottom Packer:       ft         Interval betw een Packers:       34.00 ft         Tool Length:       61.00 ft	14 ib 0 inches Volume: 0 inches Volume: 5 inches Volume: Total Volume: 5 inches	0.00 bbl	Weight set on I Weight to Pull L Tool Chased String Weight:	2500.00 lb Packer: 25000.00 lb Loose: 75000.00 lb 0.00 ft
ATTN: Ryan Set         Tool Information         Drill Pipe:       Length:       3955.00 ft       Diameter:       3.8         Heavy Wt. Pipe:       Length:       0.00 ft       Diameter:       0.0         Drill Collar:       Length:       121.00 ft       Diameter:       2.2         Drill Pipe Above KB:       17.00 ft       Diameter:       6.7         Dool Length:       61.00 ft       Number of Packers:       2       Diameter:       6.7         Tool Description       Length (ft)       Serial N         Change Over Sub       1.00       5.00         Shut In Tool       5.00       5.00         Hydraulic tool       5.00       5.00         Safety Joint       2.00       2.00         Packer       5.00       5.00         Packer       4.00       5.00	ib 0 inches Volume: 0 inches Volume: 5 inches Volume: Total Volume: 5 inches	0.00 bbl 0.60 bbl 56.08 bbl Depth (ft) 4060.00	Test Start: 2015.1 Tool Weight: Weight set on I Weight to Pull L Tool Chased String Weight:	12.01 @ 13:27:00 2500.00 lb Packer: 25000.00 lb .oose: 75000.00 lb 0.00 ft Initial 52000.00 lb
Tool InformationDrill Pipe:Length:3955.00 ftDiameter:3.8Heavy Wt. Pipe:Length:0.00 ftDiameter:0.0Drill Collar:Length:121.00 ftDiameter:2.2Drill Pipe Above KB:17.00 ftDiameter:2.2Drill Pipe Above KB:100 ftState of the state of	0 inches Volume: 0 inches Volume: 5 inches Volume: Total Volume: 5 inches	0.00 bbl 0.60 bbl 56.08 bbl Depth (ft) 4060.00	Tool Weight: Weight set on I Weight to Pull L Tool Chased String Weight:	2500.00 lb Packer: 25000.00 lb Loose: 75000.00 lb 0.00 ft Initial 52000.00 lb
Drill Pipe:Length:3955.00 ftDiameter:3.8Heavy Wt. Pipe:Length:0.00 ftDiameter:0.0Drill Collar:Length:121.00 ftDiameter:2.2Drill Pipe Above KB:17.00 ftDiameter:2.2Drill Pipe Above KB:17.00 ftDiameter:2.2Drill Pipe Above KB:17.00 ftDiameter:2.2Drill Pipe Above KB:17.00 ftDepth to Top Packer:4086.00 ftDepth to Top Packer:4086.00 ftFtFtDepth to Bottom Packer:ftInterval betw een Packers:34.00 ftTool Length:61.00 ftFtNumber of Packers:2Tool Comments:2Diameter:6.7Tool DescriptionLength (ft)Serial NChange Over Sub1.005.00Shut In Tool5.005.00Hydraulic tool5.00Safety JointJars5.002.00Packer5.00Packer4.00Stubb1.00	0 inches Volume: 5 inches Volume: Total Volume: 5 inches	0.00 bbl 0.60 bbl 56.08 bbl Depth (ft) 4060.00	Weight set on I Weight to Pull L Tool Chased String Weight:	Packer: 25000.00 lb Loose: 75000.00 lb 0.00 ft Initial 52000.00 lb
Heavy Wt. Pipe:       Length:       0.00 ft       Diameter:       0.0         Drill Collar:       Length:       121.00 ft       Diameter:       2.2         Drill Pipe Above KB:       17.00 ft       Depth to Top Packer:       4086.00 ft         Depth to Bottom Packer:       ft       Interval betw een Packers:       34.00 ft         Tool Length:       61.00 ft       61.00 ft       6.7         Number of Packers:       2       Diameter:       6.7         Tool Comments:       1.00       5.00       6.7         Change Over Sub       1.00       5.00       6.7         Shut In Tool       5.00       5.00       6.7         Hydraulic tool       5.00       5.00       6.7         Safety Joint       2.00       2.00       6.7         Packer       5.00       5.00       6.7         Packer       4.00       5.00       6.7	0 inches Volume: 5 inches Volume: Total Volume: 5 inches	0.00 bbl 0.60 bbl 56.08 bbl Depth (ft) 4060.00	Weight set on I Weight to Pull L Tool Chased String Weight:	Packer: 25000.00 lb Loose: 75000.00 lb 0.00 ft Initial 52000.00 lb
Drill Collar:Length:121.00 ftDiameter:2.2Drill Pipe Above KB:17.00 ftDepth to Top Packer:4086.00 ftDepth to Bottom Packer:ftInterval betw een Packers:34.00 ftTool Length:61.00 ftNumber of Packers:2Diameter:6.7Tool Comments:1.00Change Over Sub1.00Shut In Tool5.00Hydraulic tool5.00Jars5.00Safety Joint2.00Packer5.00Packer4.00Stubb1.00	5 inches Volume: Total Volume: 5 inches	0.60 bbl 56.08 bbl Depth (ft) 4060.00	Weight to Pull L Tool Chased String Weight:	Loose: 75000.00 lb 0.00 ft Initial 52000.00 lb
Drill Pipe Above KB:       17.00 ft         Depth to Top Packer:       4086.00 ft         Depth to Bottom Packer:       ft         Interval betw een Packers:       34.00 ft         Tool Length:       61.00 ft         Number of Packers:       2         Diameter:       6.7         Tool Description       Length (ft)         Change Over Sub       1.00         Shut In Tool       5.00         Hydraulic tool       5.00         Safety Joint       2.00         Packer       5.00         Packer       4.00         Stubb       1.00	Total Volume: 5 inches	56.08 bbl Depth (ft) 4060.00	Weight to Pull L Tool Chased String Weight:	Loose: 75000.00 lb 0.00 ft Initial 52000.00 lb
Depth to Top Packer:4086.00 ftDepth to Bottom Packer:ftInterval betw een Packers:34.00 ftTool Length:61.00 ftNumber of Packers:2Diameter:6.7Tool Comments:1.00Change Over Sub1.00Shut In Tool5.00-lydraulic tool5.00Safety Joint2.00Packer5.00Packer4.00Stubb1.00	5 inches	<b>Depth (ft)</b> 4060.00	String Weight:	Initial 52000.00 lb
Depth to Top Packer:4086.00 ftDepth to Bottom Packer:ftInterval betw een Packers:34.00 ftTool Length:61.00 ftNumber of Packers:2Diameter:6.7Tool Comments:1.00Change Over Sub1.00Shut In Tool5.00Hydraulic tool5.00Dars5.00Safety Joint2.00Packer5.00Packer4.00Stubb1.00		4060.00		
Depth to Bottom Packer:       ft         Interval betw een Packers:       34.00 ft         Tool Length:       61.00 ft         Number of Packers:       2         Diameter:       6.7         Tool Description       Length (ft)         Change Over Sub       1.00         Shut In Tool       5.00         Hydraulic tool       5.00         Safety Joint       2.00         Packer       5.00         Packer       4.00         Stubb       1.00		4060.00		Final 52000.00 lb
Interval betw een Packers: 34.00 ft Tool Length: 61.00 ft Number of Packers: 2 Diameter: 6.7 Tool Comments: Tool Description Length (ft) Serial N Change Over Sub 1.00 Shut In Tool 5.00 Hydraulic tool 5.00 Jars 5.00 Safety Joint 2.00 Packer 5.00 Packer 4.00 Stubb 1.00		4060.00	Accum. Lengths	
Tool Length:61.00 ftNumber of Packers:2 Diameter:6.7Tool Comments:2Diameter:6.7Tool DescriptionLength (ft)Serial NChange Over Sub1.00Shut In Tool5.00Hydraulic tool5.00Jars5.00Safety Joint2.00Packer5.00Packer4.00Stubb1.00		4060.00	Accum. Lengths	
Number of Packers:2Diameter:6.7Tool Comments:1.00Serial NChange Over Sub1.00Shut In Tool5.00Hydraulic tool5.00Jars5.00Safety Joint2.00Packer5.00Packer4.00Stubb1.00		4060.00	Accum. Lengths	
Tool DescriptionLength (ft)Serial NChange Over Sub1.00Shut In Tool5.00Hydraulic tool5.00Jars5.00Safety Joint2.00Packer5.00Stubb1.00	lo. Position	4060.00	Accum. Lengths	
Change Over Sub1.00Shut In Tool5.00Hydraulic tool5.00Jars5.00Safety Joint2.00Packer5.00Packer4.00Stubb1.00	lo. Position	4060.00	Accum. Lengths	
Shut In Tool         5.00           Hydraulic tool         5.00           Jars         5.00           Safety Joint         2.00           Packer         5.00           Packer         1.00				
Hydraulic tool5.00Jars5.00Safety Joint2.00Packer5.00Packer4.00Stubb1.00				
Jars     5.00       Safety Joint     2.00       Packer     5.00       Packer     4.00       Stubb     1.00		4070.00		
Packer5.00Packer4.00Stubb1.00		4075.00		
Packer 4.00 Stubb 1.00		4077.00		
Stubb 1.00		4082.00	27.00	Bottom Of Top Packe
		4086.00		
Recorder 0.00 836		4087.00		
0.00 000	55 Inside	4087.00		
Recorder 0.00 852	22 Outside	4087.00		
Perforations 30.00		4117.00		
Bullnose 3.00		4120.00	34.00	Bottom Packers & Anchor
Total Tool Length: 61.00				

dir in -		DRI	LL STEM TEST R	EPOR			FLUID SUMMARY
	RILOBITE	Palomi	no Petroleum, Inc		7-14s-30w	Gove,KS	
	ESTING , INC		4924 SE 84th St. New ton KS 67114			#3	
			Ryan Seib		Job Ticket: 6	54681 2015.12.01 @ 13	DST#:5
uiteril.						2015.12.01 @ 13	
	ushion Information						
Mud Type: G Mud Weight:	el Chem 9.00 lb/gal		Cushion Type: Cushion Length:		ft	Oil API: Water Salinity:	0 deg APi 0 ppm
Viscosity:	54.00 sec/qt		Cushion Volume:		bbl	water claimty.	0 ppm
Water Loss:	7.79 in <sup>3</sup>		Gas Cushion Type:				
Resistivity:	ohm.m		Gas Cushion Pressure:		psig		
Salinity: Filter Cake:	3900.00 ppm 1.00 inches						
Recovery In	formation						
-			Recovery Table				
	Leng ft	th	Description		Volume bbl		
		40.00	mud 100m		0.197	7	
	Total Length:	40	.00 ft Total Volume:	0.197 bbl			
	Num Fluid Samp	les: 0	Num Gas Bombs:	0	Serial #	:	
	Laboratory Nam		Laboratory Location	:			
	Recovery Com	nents:					

Printed: 2015.12.08 @ 14:12:05

Ref. No: 64681

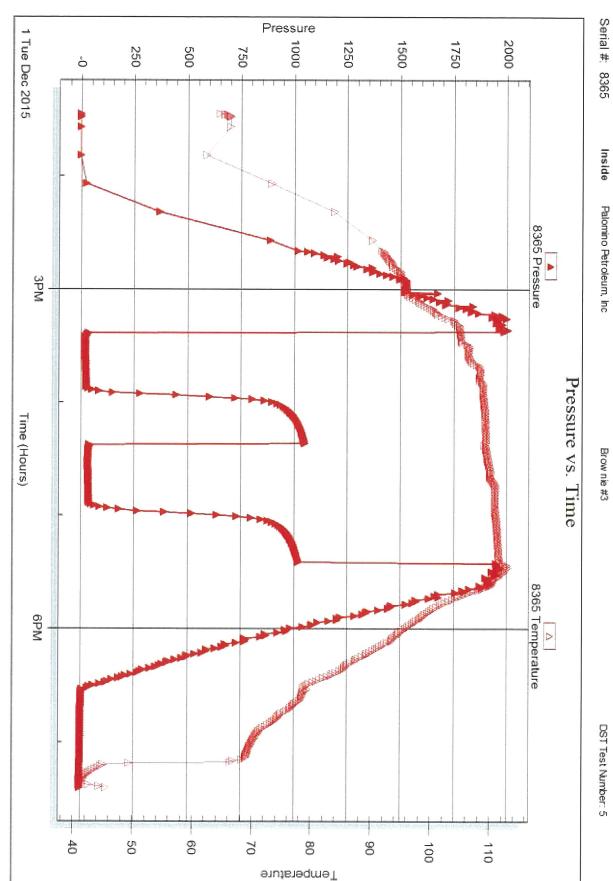
Trilobite Testing, Inc



Printed: 2015.12.08 @ 14:12:06

Ref. No: 64681

Trilobite Testing, Inc





# DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum, Inc

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

#### Brownie #3

## 7-14s-30w Gove,KS

Start Date: 2015.12.03 @ 07:54:00 End Date: 2015.12.03 @ 14:29:00 Job Ticket #: 64682 DST #: 6

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

Printed: 2015.12.08 @ 14:11:13

	LOBITE	Palomino Petroleun	n. Inc		7 4	10-2014	Gove,KS	
	ESTING , INC		., ar <del>u</del>					
		4924 SE 84th St. New ton KS 67114			Bro	ownie #	3	
		New ION NO 07 114	•		Job	Ticket: 64	4682	DST#:6
		ATTN: Ryan Seib			Tes	st Start: 20	015.12.03 @	07:54:00
GENERAL INFOR	MATION:							
Formation:     Jo       Deviated:     No       Time Tool Opened:     10       Time Test Ended:     14	:15:00	ft (KB)			Tes	ter:	Conventiona Bradley Wal 69	al Bottom Hole (Reset) ter
Interval: 4390.	.00 ft (KB) To 45	97.00 ft (KB) (TVD)			Ref	erence E	evations:	2779.00 ft (KB)
	.597.00 ft (KB) (Tv	•						2771.00 ft (CF)
Hole Diameter:	7.88 inchesHole	Condition: Good				KB1	to GR/CF:	8.00 ft
Serial #: 8522	Outside	•			-			
Press@RunDepth: Start Date:	56.46 psig ( 2015.12.03	@ 4391.00 ft (KE End Date;	3)	2015 12 02	Capacity Last Cali			8000.00 psig
Start Date: Start Time:	2015.12.03 07:54:05	End Date: End Time:		2015.12.03 14:28:59	Last Calı Time On		2015.12.03 (	2015.12.03 @ 10:14:45
	07.04.00			17.20.03	Time Off		2015.12.03 ( 2015.12.03 (	-
	FF: No blow . FSI: No return. Pressure vs. Ta						RE SUMM	
	FSI: No return.		•			RESSUF	RE SUMM,	ARY
220	FSI: No return.	inc 522 Temposter La la		Time (Min.)	Pressure	Temp	RE SUMM/	
F	FSI: No return.				Pressure (psig) 2313.24	Temp (deg F) 117.05	Annotatio	on o-static
220	FSI: No return.		- 110	(Min.) 0 1	Pressure (psig) 2313.24 34.05	Temp (deg F) 117.05 116.01	Annotatio Initial Hydro Open To Fl	on o-static
2200	FSI: No return.			(Min.) 0 1 31	Pressure (psig) 2313.24 34.05 228.54	Temp (deg F) 117.05 116.01 118.73	Annotatio Initial Hydro Open To Fl Shut-In(1)	on o-static low (1)
220	FSI: No return.		- 110	(Min.) 0 1 31 61	Pressure (psig) 2313.24 34.05	Temp (deg F) 117.05 116.01 118.73 119.98	Annotatio Initial Hydro Open To Fl	on o-static low (1) n(1)
220 200 170 170 120 120 120	FSI: No return.		- 110 - 110 - 100 - 100	(Min.) 0 1 31 61 61 93	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84 56.46	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	on o-static low (1) n(1) low (2)
	FSI: No return.		- 110	(Min.) 0 1 31 61 61 93	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00 122.80	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	on o-static low (1) n(1) low (2) n(2)
	FSI: No return.		- 110 - 110 - 100 - 100 - 100 - 50 (42 g y) - 50 (20 g y) - 50 (20 g y) - 70	(Min.) 0 1 31 61 61 93 124	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84 56.46 862.34	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00 122.80 123.03	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2)
	FSI: No return.			(Min.) 0 1 31 61 61 93 124	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84 56.46 862.34	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00 122.80 123.03	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
220 300 170 500 500 500 500 500 500 500 5	FSI: No return. Pressure vs. Ta			(Min.) 0 1 31 61 61 93 124	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84 56.46 862.34	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00 122.80 123.03	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
220 3000 5000 5000 700 700 700 700 700	FSI: No return. Pressure vs. Ta	Prize na.		(Min.) 0 1 31 61 61 93 124	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84 56.46 862.34	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00 122.80 123.03	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
220 3000 5000 5000 700 700 700 700 700	FSI: No return. Pressure vs. Ta	Prize na.		(Min.) 0 1 31 61 61 93 124	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84 56.46 862.34	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00 122.80 123.03	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
220 3000 5000 5000 700 700 700 700 700	FSI: No return. Pressure vs. Ta	Prize na.		(Min.) 0 1 31 61 61 93 124	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84 56.46 862.34	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00 122.80 123.03	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
220 3000 5000 5000 700 700 700 700 700	FSI: No return. Pressure vs. Ta	Prize na.		(Min.) 0 1 31 61 61 93 124	Pressure (psig) 2313.24 34.05 228.54 1037.08 47.84 56.46 862.34	Temp (deg F) 117.05 116.01 118.73 119.98 119.46 122.00 122.80 123.03	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static

	DRILL STEM TE	ST REP	ORT		
	Palomino Petroleum, Inc		7-14s-30v	v Gove,KS	)
ESTING , INC	4924 SE 84th St. New ton KS 67114		<b>Brownie</b>		DOT " o
	ATTN: Ryan Seib		Job Ticket: Test Start:	04082 2015.12.03 (	<b>DST#:6</b> @ 07:54:00
GENERAL INFORMATION:					-
Formation:JohnsonDeviated:NoWhipstock:Time Tool Opened:10:15:00Time Test Ended:14:29:00	ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 69	al Bottom Hole (Reset) alter
Interval:4390.00 ft (KB) To45Total Depth:4597.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Reference I	Elevations: B to GR/CF:	2779.00 ft (KB) 2771.00 ft (CF) 8.00 ft
Serial #: 8365InsidePress@RunDepth:psigStart Date:2015.12.03Start Time:07:54:05TEST COMMENT:IF: 1/2" blow, recISI: No return.FF: No blow .FSI: No return.	End Date: End Time:	2015.12.03 14:28:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2015.12.03
Pressure vs. Ti			PRESSU	JRE SUMN	IARY
3 Thu Daz 255		Time (Min.)	Pressure Temp (psig) (deg F		ion
Recovery			G	as Rates	
Length (ft) Description 50.00 mud 100m	Volume (bbl) 0.25		Choke	e (inches) Press	ure (psig) Gas Rate (Mcf/d)
Recovery from multiple tests     Trilobite Testing, Inc	Ref. No: 64682			d: 2015.12.08	

Trilobite Testing, Inc

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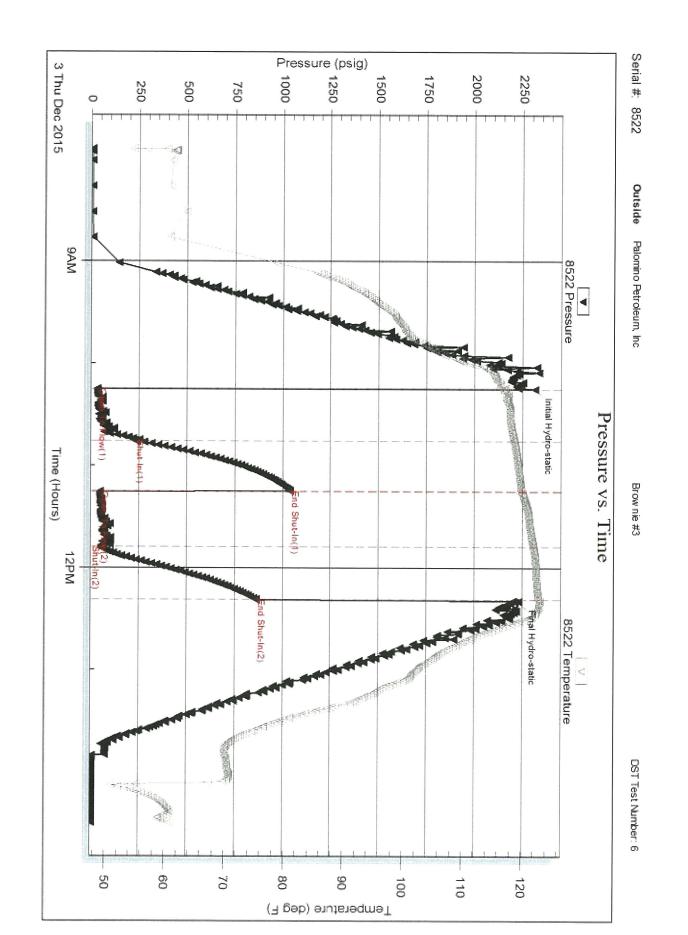
Packer         4.00         4390.00           Stubb         1.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         8522         Outside         4391.00           Change Over Sub         1.00         4404.00         4404.00           Drill Pipe         188.00         4593.00         4593.00	TestTING         Image: Second se	A CAN TOILD	DITE	DRI	LL ST	EM TEST	REPO	RT	TOOL DIAGRA
Instruction         District of K8 67114         Job Ticket: 64682         DST#: 6           ATTN:         Ryan Seib         Test Start: 2015.12.03 @ 07:54:00         Job Ticket: 64682         DST#: 6           Drill Pipe:         Length:         4265.00 ft         Diameter:         3.80 inches Volume:         0.00 bit         Weight set on Packer:         2500.00 b           Drill Pipe:         Length:         121.00 ft         Diameter:         2.00 inches Volume:         0.00 bit         Weight set on Packer:         2500.00 b           Drill Pipe Above KB:         23.00 ft         Total Volume:         0.60 bit         Tool Chased         1.00 ft           Depth to Top Packer:         4390.00 ft         Total Volume:         6.043 bit         Tool Chased         1.00 ft           Depth to Top Packer:         2 07.00 ft         Total Volume:         6.75 inches         String Weight: Initial S8000.00 ib           Final         58000.00 ft         Erial S8000.00 ft         Final         S8000.00 ib           Shut h Tool         5.00         4386.00         27.00         Battern Cf Top Packer           Tool Comments:         5.00         4386.00         27.00         Battern Of Top Packer           Shut h Tool         5.00         4386.00         27.00         Battern Of Top Packer<	Develor NS         F114         Job Ticket: 64682         DST#: 6           ATTN<         Ryan Seib         Test Start: 2015.12.03 @ 07:54:00         DST#: 6           Drill Pipe:         Length:         4265.00 ft         Diameter:         3.80 inches Volume:         59.83 bbl         Test Start: 2015.12.03 @ 07:54:00           Drill Pipe:         Length:         121.00 ft         Diameter:         0.00 inches Volume:         0.00 bbl         Weight set on Packer:         2500.00 lb           Drill Pipe:         Length:         121.00 ft         Diameter:         2.25 inches Volume:         0.60 bbl         Weight set on Packer:         2500.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         6.043 bbl         Tool Weight:         2500.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         6.75 inches         String Weight Intial 58000.00 lb         Final 58000.00 lb           Depth to Bottom Packer:         1.00         4364.00         Added.0         Added.0           Shut In Tool         5.00         4381.00         Added.0         Added.0           Shut In Tool         5.00         4381.00         Added.0         Added.0           Shut In Tool         5.00         4381.00         Added.0         Added.0				o Petroleur	n, Inc		7-14s-30w Gove,KS	
Job Indext: 64682         DST#:6           ATTN: Ryan Seib         Test Start: 2015.12.03 @ 07:54:00           Tool Information         Test Start: 2015.12.03 @ 07:54:00           Drill Pipe:         Length: 4265.00 ft         Diameter:         3.80 Inches Volume:         0.00 bbl           Weight Length:         0.00 ft         Diameter:         0.25 inches Volume:         0.00 bbl         Weight to Pull Loose:         7500.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         60.043 bbl         Weight to Pull Loose:         7500.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         60.43 bbl         Tool Chased         1.00 ft           Depth to Bottom Backer:         ft         Total Volume:         60.43 bbl         Tool Chased         1.00 ft           Number of Packers:         20.00 ft         Ength (ft) Serial No.         Position         Depth (ft) Accum. Lengths           Change Over Sub         1.00         4364.00         4364.00         A379.00           Shut In Tool         5.00         4379.00         27.00         Bottom Of Top Packer           Packer         6.00         4386.00         27.00         Bottom Of Top Packer           Stubb         1.00         43961.00         Packer	ATTN:         Ryan Seib         Test Start:         2015 T#r.6           Tool Information         ATTN:         Ryan Seib         Test Start:         2015.12.03 @0 07:54.00           Drill Pipe:         Length:         4265.00 ft         Diameter:         3.80 inches Volume:         0.00 bbl         Weight set on Packer:         2500.00 lb           Drill Pipe:         Length:         0.00 ft         Diameter:         0.00 inches Volume:         0.00 bbl         Weight to Puil Loose:         75000.00 lb           Drill Pipe Above KB:         23.00 ft         Diameter:         2.25 inches Volume:         0.00 bbl         Weight to Puil Loose:         75000.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         60.43 bbl         Tool Chased         1.00 ft           Depth to Bottom Rackers:         207.00 ft         Total Volume:         60.43 bbl         Tool Chased         1.00 ft           Dob Depth Obstom Rackers:         2         Diameter:         6.75 inches         String Weight:         fnial         58000.00 lb           Change Over Sub         1.00         4364.00         4364.00         Jase ft         Jase ft <td< td=""><td></td><td>TING , INC</td><td>4924 SI</td><td>E 84th St.</td><td></td><td></td><td>Brownie #3</td><td></td></td<>		TING , INC	4924 SI	E 84th St.			Brownie #3	
Tool Information         Construction         Construction           Drill Fipe:         Length:         4265.00 ft         Diameter:         3.80 inches Volume:         59.83 bbl         Tool Weight:         2500.00 lb           Drill Fipe:         Length:         0.00 ft         Diameter:         0.00 inches Volume:         0.00 bbl         Weight set on Packer:         2500.00 lb           Drill Fipe Above KB:         23.00 ft         Total Volume:         60.043 bbl         Weight to Puil Loose:         75000.00 lb           Drill Fipe Above KB:         23.00 ft         Total Volume:         60.43 bbl         Tool Chased         1.00 ft           Depth to Top Packer:         4390.00 ft         Total Volume:         60.43 bbl         Tool Chased         1.00 ft           Tool Length:         234.00 ft         Tool Top Packer:         1.00 ft         String Weight:         1.01 ft           Number of Packers:         2         Diameter:         6.75 inches         Tool Comments:         Final         58000.00 lb           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4369.00         27.00         Bottom Of Top Packer           Safety Joint <td>Tool Information         Length:         4265.00 ft         Diameter:         3.80 inches Volume:         59.83 bbl         Tool Weight:         2500.00 lb           Drill Fipe:         Length:         4265.00 ft         Diameter:         0.00 inches Volume:         0.00 bbl         Weight set on Packer:         2500.00 lb           Drill Collar:         Length:         121.00 ft         Diameter:         2.25 inches Volume:         0.60 bbl         Weight to Puil Loose:         7500.00 lb           Drill Pipe Above KB:         23.00 ft         Diameter:         4390.00 ft         String Weight:         1116         58000.00 lb           Depth to Bottom Packer:         4390.00 ft         Total Volume:         60.43 bbl         Totol Chased         1.00 ft           Tool Length:         234.00 ft         Total Volume:         67.75 inches         String Weight:         1131         58000.00 lb           Number of Packers:         2         Diameter:         6.75 inches         String Weight:         1.00         4364.00           Shut In Tool         5.00         4379.00         3439.00         Hydraulic tool         5.00         4379.00           Safety Joint         2.00         4386.00         27.00         Bottom Of Top Packer           Recorder         0.00</td> <td></td> <td></td> <td>New tor</td> <td>KS 67114</td> <td>l I</td> <td></td> <td>Job Ticket: 64682</td> <td>DST#:6</td>	Tool Information         Length:         4265.00 ft         Diameter:         3.80 inches Volume:         59.83 bbl         Tool Weight:         2500.00 lb           Drill Fipe:         Length:         4265.00 ft         Diameter:         0.00 inches Volume:         0.00 bbl         Weight set on Packer:         2500.00 lb           Drill Collar:         Length:         121.00 ft         Diameter:         2.25 inches Volume:         0.60 bbl         Weight to Puil Loose:         7500.00 lb           Drill Pipe Above KB:         23.00 ft         Diameter:         4390.00 ft         String Weight:         1116         58000.00 lb           Depth to Bottom Packer:         4390.00 ft         Total Volume:         60.43 bbl         Totol Chased         1.00 ft           Tool Length:         234.00 ft         Total Volume:         67.75 inches         String Weight:         1131         58000.00 lb           Number of Packers:         2         Diameter:         6.75 inches         String Weight:         1.00         4364.00           Shut In Tool         5.00         4379.00         3439.00         Hydraulic tool         5.00         4379.00           Safety Joint         2.00         4386.00         27.00         Bottom Of Top Packer           Recorder         0.00			New tor	KS 67114	l I		Job Ticket: 64682	DST#:6
Drill Pipe:         Length:         4265.00 ft         Diameter:         3.80 inches Volume:         59.83 bbl         Tool Weight:         2500.00 ib           Heavy Wt. Pipe:         Length:         0.00 ft         Diameter:         2.25 inches Volume:         0.00 bbl         Weight to Packer:         2500.00 lb           Drill Olar:         Length:         121.00 ft         Diameter:         2.25 inches Volume:         0.60 bbl         Weight to Packer:         2500.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         60.43 bbl         Tool Chased         1.00 ft           Depth to Top Packer:         4390.00 ft         Total Volume:         60.43 bbl         Final         58000.00 lb           Number of Packers:         207.00 ft         Total Volume:         6.75 inches         String Weight: initial         58000.00 lb           Number of Packers:         2         Diameter:         6.75 inches         4364.00         String Weight:         Jare           Shut In Tool         5.00         4364.00         4364.00         Jare         5.00         4379.00         Jare           Safety Joint         2.00         4381.00         Packer         5.00         4381.00         Packer           Packer         0.00         8365 </th <th>Drill Pipe:         Length:         4265 00 ft         Diameter:         3.80 inches Volume:         59.83 bbl         Tool Weight:         2.500.00 lb           Heavy W. Pipe:         Length:         121.00 ft         Diameter:         2.25 inches Volume:         0.00 bbl         Weight to Pail Loose:         75000.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         0.60 bbl         Weight to Pail Loose:         75000.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         60.43 bbl         Total Volume:         58.85 bbl           Depth to Top Packer:         4390.00 ft         Total Volume:         60.43 bbl         Total Volume:         58.000.00 lb           Depth to Datom Packer:         207.00 ft         Total Volume:         67.5 inches         String Weight: Initial 58000.00 lb           Number of Packers:         2         Diameter:         6.75 inches         String Veight: Initial 58000.00 lb           Shut In Tool         5.00         4364.00         4364.00         4364.00           Shut In Tool         5.00         4377.00         4386.00         27.00         Bottom Of Top Packer           Packer         5.00         4386.00         27.00         Bottom Of Top Packer         500           Steby Joint</th> <th></th> <th></th> <th>ATTN:</th> <th>Ryan Seib</th> <th></th> <th></th> <th>Test Start: 2015.12.03 @</th> <th>07:54:00</th>	Drill Pipe:         Length:         4265 00 ft         Diameter:         3.80 inches Volume:         59.83 bbl         Tool Weight:         2.500.00 lb           Heavy W. Pipe:         Length:         121.00 ft         Diameter:         2.25 inches Volume:         0.00 bbl         Weight to Pail Loose:         75000.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         0.60 bbl         Weight to Pail Loose:         75000.00 lb           Drill Pipe Above KB:         23.00 ft         Total Volume:         60.43 bbl         Total Volume:         58.85 bbl           Depth to Top Packer:         4390.00 ft         Total Volume:         60.43 bbl         Total Volume:         58.000.00 lb           Depth to Datom Packer:         207.00 ft         Total Volume:         67.5 inches         String Weight: Initial 58000.00 lb           Number of Packers:         2         Diameter:         6.75 inches         String Veight: Initial 58000.00 lb           Shut In Tool         5.00         4364.00         4364.00         4364.00           Shut In Tool         5.00         4377.00         4386.00         27.00         Bottom Of Top Packer           Packer         5.00         4386.00         27.00         Bottom Of Top Packer         500           Steby Joint			ATTN:	Ryan Seib			Test Start: 2015.12.03 @	07:54:00
Heavy Wt. Pipe:       Length:       0.00 ft       Diameter::       0.00 inches Volume:       0.00 bbl       Weight set on Packer::       25000.00 ib         Drill Collar:       Length:       121.00 ft       Diameter::       2.25 inches Volume:       0.60 bbl       Weight set on Packer::       75000.00 ib         Drill Pipe Above KB:       23.00 ft       Total Volume:       60.43 bbl       Total Chased       1.00 ft         Depth to Top Packer:       4390.000 ft       Final       58000.00 ib       Final       58000.00 ib         Depth to Bottom Packers:       207.00 ft       Total Volume:       675 inches       String Weight:       Interval between Packers:         Tool Length:       234.00 ft       String Weight:       Interval between Packers:       2       Diameter:       6.75 inches         Tool Comments:       1.00       4364.00       4364.00       4364.00       4364.00         Shut In Tool       5.00       4379.00       4386.00       27.00       Bottom Of Top Packer         Safety Joint       2.00       4386.00       27.00       Bottom Of Top Packer       500         Stubb       1.00       4386.00       27.00       Bottom Of Top Packer       20.00         Stubb       1.00       4386.00       27.00	Heavy Wt. Pipe:       Length:       0.00 ft       Diameter:       0.00 inches Volume:       0.00 bbl       Weight set on Packer:       25000.00 b         Drill Colar:       Length:       121.00 ft       Dameter:       2.25 inches Volume:       0.60 bbl       Weight to Pull Losse:       75000.00 b         Drill Pipe Above KB:       230.00 ft       Total Volume:       60.43 bbl       Tool Chased       1.00 ft         Depth to Top Packer:       4390.00 ft       Total Volume:       60.43 bbl       Tool Chased       1.00 ft         Depth to Top Packer:       4390.00 ft       Total Volume:       60.43 bbl       Tool Chased       1.00 ft         Number of Packers:       207.00 ft       Tool Packers:       207.00 ft       String Weight:       Initial 58000.00 lb         Shut In Tool       5.00       4369.00       4369.00       Jars       5.00       4379.00         Stety Joint       2.00       4381.00       Assect       String Packer       String Packer         Packer       5.00       4399.00       Jars       Stotem Of Top Packer       Stotem Of Top Packer         Packer       5.00       4391.00       Assect       Stotem Of Top Packer       Stotem Of Top Packer         Packer       5.00       8365       Inside       <	Tool Information		I					
Drill Collar:         Length:         121.00 ft         Diameter:         2.25 inches Volume:         0.60 bbl         Weight to Pull Loose:         75000.00 ib           Drill Pipe Above KB:         23.00 ft         Total Volume:         60.43 bbl         Totol Chased         1.00 ft           Depth to Top Packer:         4390.00 ft         Final         58000.00 ib         Final         58000.00 ib           Depth to Bottom Packer:         ft         Final         58000.00 ib         Final         58000.00 ib           Iterval between Packers:         2         Diameter:         6.75 inches         Final         58000.00 ib           Tool Length:         234.00 ft         Sate         A364.00         Asecure         Final         58000.00 ib           Shut In Tool         5.00         4369.00         4369.00         Asecure         Final         500           Shut In Tool         5.00         4379.00         Asecure         Final         500 Corres           Safety Joint         2.00         4386.00         27.00         Bottom Of Top Packer           Packer         5.00         4381.00         27.00         Bottom Of Top Packer           Packer         0.00         8365         Inside         4391.00	Drill Collar:         Length:         121.00 ft         Diameter:         2.25 inches Volume:         0.60 bbl         Weight to Pull Loose:         75000.00 b           Drill Pipe Above KB:         23.00 ft         Total Volume:         60.43 bbl         Tool Chased         1.00 ft           Depth to Top Packer:         4390.00 ft         60.43 bbl         String Weight:         Initial         58000.00 b           Depth to Bottom Packer:         ft         Ft         Final         58000.00 b         Final         58000.00 b           Ibery to Bottom Packer:         ft         ft         Final         58000.00 b         Final         58000.00 b           Ibery to Bottom Packer:         ft         ft         Final         58000.00 b         Final         58000.00 b           Ibery to Packer:         23.00 ft         String Weight:         Initial         58000.00 b         Final         58000.00 b           Number of Packers:         2         Diameter:         6.75 inches         String Weight:         Initial         58000.00 b           Shut In Tool         5.00         4364.00         4364.00         A379.00         String Weight:         Initial         String Weight:         Initial         String Weight:         Initial         String Weight:         Initia	Drill Pipe: Length:	4265.00 ft	Diameter:	3.80	inches Volume:	59.83 bb	I Tool Weight:	2500.00 lb
Total Volume:         Total Volume:         G0.43 bbl         Tool Chase         Tool Chas         Tool Chas         Tool	Total Volume:         60.43 bbl         String Weight: Initial 58000.00 lb         Final 58000.00 lb	Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	0.00	inches Volume:	0.00 bb	Weight set on Packer:	25000.00 lb
Unit Imp A bove KB:         23:00 ft         String Weight:         Initial         58000.00 lb           Depth to Top Packer:         4390.00 ft         Final         58000.00 lb         Final         58000.00 lb           Depth to Bottom Packer:         ft         Final         58000.00 lb         Final         58000.00 lb           Number of Packers:         207.00 ft         Conservent         String Weight:         Initial         58000.00 lb           Number of Packers:         207.00 ft         Conservent         String Weight:         Initial         58000.00 lb           Number of Packers:         2         Diameter:         6.75 inches         String Weight:         Initial         58000.00 lb           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         String Weight:	Drill Pipe Above KB:         23.00 ft         String Weight: Initial 58000.00 lb           Depth to Top Packer:         4390.00 ft         Final 58000.00 lb           Depth to Bottom Packer:         ft         Final 58000.00 lb           Interval between Packers:         207.00 ft         String Weight: Initial 58000.00 lb           Number of Packers:         2         Diameter:         6.75 inches           Tool Length:         234.00 ft         Number of Packers:         2           Number of Packers:         2         Diameter:         6.75 inches           Tool Comments:         100         4364.00           Shut In Tool         5.00         4374.00           Jars         5.00         4381.00           Packer         5.00         4381.00           Packer         5.00         4381.00           Packer         0.00         8365           Stubb         1.00         4391.00           Recorder         0.00         8252           Outside         4391.00           Recorder         0.00         8252           Outside         4391.00           Recorder         0.00         8452           Outside         4391.00           Recorder </td <td>Drill Collar: Length:</td> <td>121.00 ft</td> <td>Diameter:</td> <td>2.25</td> <td>inches Volume:</td> <td>0.60 bb</td> <td>Weight to Pull Loose:</td> <td>75000.00 lb</td>	Drill Collar: Length:	121.00 ft	Diameter:	2.25	inches Volume:	0.60 bb	Weight to Pull Loose:	75000.00 lb
Depth to Top Packer:       4390.00 ft       String Weight Initial 58000.00 lb         Depth to Bottom Packer:       ft         Interval between Packers:       207.00 ft         Tool Length:       234.00 ft         Number of Packers:       2         Diameter:       6.75 inches         Tool Comments:       6.75 inches         Tool Comments:       1.00         Agent 100       4364.00         Shuth Tool       5.00         Shuth Tool       5.00         Shuth Tool       5.00         Agent 2000       4369.00         Shuth Tool       5.00         Agent 2000       4369.00         Shuth Tool       5.00         Agent 2000       4389.00         Agent 2000       4389.00         Packer       5.00       4381.00         Packer       5.00       4381.00         Packer       0.00       8365       100         Packer       0.00       8365       100         Packer       0.00       8522       Outside       4391.00         Pacorder       0.00       8522       Outside       4391.00         Pacroder       0.00       8522       Outside	Depth to Top Packer:         4390.00 ft         String Weight:         Initial         Security of top Packer:           Depth to Bottom Packer:         ft         Final         58000.00 lb           Depth to Bottom Packer:         234.00 ft         Tool Length:         234.00 ft           Number of Packers:         2         Diameter:         6.75 inches           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4369.00         4374.00         Jameter:         6.75 inches           Shut In Tool         5.00         4379.00         Jameter:         6.75 inches         Gattom Of Top Packer           Safety Joint         2.00         4381.00         Gattom Of Top Packer         Gattom Of Top Packer           Packer         5.00         4381.00         Gattom Of Top Packer         Gattom Of Top Packer           Packer         0.00         8365         Inside         4391.00         Gattom Of Top Packer           Packer         0.00         8262         Outside         4391.00         Gattom Of Top Packer           Packer         0.00         8262         Outside         4391.00         Gattom Of Top Packer	Drill Pine Above KB	23.00 ft			Total Volume:	60.43 bb		1.00 ft
Depth to Bottom Packer:         ft         Final         58000.00 lb           Interval betw een Packers:         207.00 ft         Tool Length:         234.00 ft           Number of Packers:         2         Diameter:         6.75 inches           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4369.00         4374.00         4381.00         Packer         5.00         4381.00         Packer         5.00         4381.00         Packer         4390.00         Stubb         1.00         8365         Inside         4391.00         Packer         Packer         4.00         4391.00         Packer         Packer         0.00         8365         Inside         4391.00         Packer         Parforations         1.300         4404.00         Packer         Packer         1.00         4391.00         Packer         Packer         9.00         Packer         1.00         4391.00         Packer         Packer         9.00         Packer         9.00         Packer         9.00         Packer	Depth to Bottom Packer:         ft         Final         S8000.00 ib           Interval betw een Packers:         207.00 ft         Tool Length:         234.00 ft           Number of Packers:         2         Diameter:         6.75 inches           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4369.00         4374.00         4379.00           Stut In Tool         5.00         4379.00         4386.00         27.00         Bottom Of Top Packer           Packer         5.00         4381.00         27.00         Bottom Of Top Packer           Packer         5.00         4391.00         27.00         Bottom Of Top Packer           Packer         0.00         8365         Inside         4391.00         207.00         Bottom Of Top Packer           Parforations         13.00         4391.00         4391.00         207.00         Bottom Of Top Packer           Parforations         13.00         4391.00         207.00         Dottom Packers & Anchor           Change Over Sub								
Interval betw een Packers:         207.00 ft           Tool Length:         234.00 ft           Number of Packers:         2         Diameter:         6.75 inches           Tool Comments:	Interval betw een Packers:       207.00 ft         Tool Length:       234.00 ft         Number of Packers:       2         2       Diameter:       6.75 inches         Tool Comments:							Final	58000.00 lb
Tool Length:         234.00 ft           Number of Packers:         2         Diameter:         6.75 inches           Tool Comments:         2         Diameter:         6.75 inches           Tool Comments:         2         Diameter:         6.75 inches           Tool Comments:         2         Diameter:         6.75 inches           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4369.00         4369.00         4374.00         4374.00         4379.00         500         4379.00         500         4379.00         500         27.00         Bottom Of Top Packer         500         4381.00         27.00         Bottom Of Top Packer         500         4399.00         500         <	Tool Length:         234.00 ft           Number of Packers:         2         Diameter:         6.75 inches           Tool Comments:         2         Diameter:         6.75 inches           Tool Comments:         2         Diameter:         6.75 inches           Tool Comments:         2         Diameter:         6.75 inches           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4369.00         4369.00         4379.00           Shut In Tool         5.00         4379.00         4381.00         27.00         Bottom Of Top Packer           Packer         5.00         4386.00         27.00         Bottom Of Top Packer           Packer         5.00         4390.00         4391.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         4404.00         4391.00           Change Over Sub         1.00         4393.00         4404.00           Change Over Sub         1.00         4593.00								
Number of Packers:         2         Diameter:         6.75 inches           Tool Comments:         Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4364.00         4369.00         4369.00         4374.00         4379.00         4379.00         500         4379.00         500         4379.00         500         4381.00         500         27.00         Bottom Of Top Packer         500         4391.00         500	Number of Packers:         2         Diameter:         6.75 inches           Tool Comments:         Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4369.00         4369.00         4374.00         4374.00         4381.00         4381.00         5.00         4381.00         5.00         4381.00         5.00         4381.00         5.00         5.00         4381.00         5.00         5.00         4390.00         5.00         5.00         4391.00         5.00	Tool Length:							
Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4364.00         4369.00         4369.00           Shut In Tool         5.00         4374.00         4379.00         4379.00         5365         4379.00         5365         500         4381.00         27.00         Bottom Of Top Packer           Packer         5.00         4390.00         4391.00         500         27.00         Bottom Of Top Packer           Packer         4.00         4391.00         4391.00         500	Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Change Over Sub         1.00         4364.00         4369.00         4369.00           Shut In Tool         5.00         4374.00         4379.00           Hydraulic tool         5.00         4381.00         27.00         Bottom Of Top Packer           Safety Joint         2.00         4386.00         27.00         Bottom Of Top Packer           Packer         5.00         4391.00         4391.00         4391.00           Recorder         0.00         8365         Inside         4391.00         4404.00           Perforations         13.00         4404.00         4391.00         4404.00         4404.00           Change Over Sub         1.00         4593.00         4593.00         4593.00         4593.00           Change Over Sub         1.00         4594.00         4594.00         4594.00         4594.00           Sullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	-	2	Diameter:	6.75	inches			
Change Over Sub         1.00         4364.00           Shut In Tool         5.00         4369.00           Hydraulic tool         5.00         4374.00           Jars         5.00         4379.00           Safety Joint         2.00         4386.00         27.00           Packer         5.00         4390.00           Packer         4.00         4391.00           Packer         0.00         8365         Inside         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8365         Inside         4391.00           Parforations         13.00         4404.00         4404.00           Change Over Sub         1.00         44993.00         4404.00           Change Over Sub         1.00         4405.00         100           Drill Pipe         188.00         4593.00         4593.00           Change Over Sub         1.00         4594.00         4597.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchord	Change Over Sub         1.00         4364.00           Shut In Tool         5.00         4369.00           Hydraulic tool         5.00         4379.00           Safety Joint         2.00         4381.00           Packer         5.00         4390.00           Packer         4.00         4390.00           Stubb         1.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8365         Inside         4391.00           Perforations         13.00         4404.00         4404.00           Change Over Sub         1.00         4405.00         27.00         Bottom Packers           Sulpose         3.00         4593.00         4593.00         4593.00         4593.00         4593.00         100         4594.00         100         4597.00         207.00         Bottom Packers & Anchor	Tool Comments:							
Hydraulic tool         5.00         4374.00           Jars         5.00         4379.00           Safety Joint         2.00         4381.00           Packer         5.00         4390.00           Packer         4.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8365         Inside         4391.00           Perforations         13.00         4404.00         4391.00           Change Over Sub         1.00         4593.00         4593.00           Change Over Sub         1.00         4594.00         4597.00         207.00         Bottom Packers & Anchor	Hydraulic tool         5.00         4374.00           Jars         5.00         4379.00           Safety Joint         2.00         4381.00           Packer         5.00         4390.00           Packer         4.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         4404.00         4404.00           Change Over Sub         1.00         4593.00         4593.00           Sullnose         3.00         4597.00         207.00         Bottom Packers & Anchor		Ler		Serial No	. Position		Accum. Lengths	
Jars       5.00       4379.00         Safety Joint       2.00       4381.00         Packer       5.00       4386.00       27.00       Bottom Of Top Packer         Packer       4.00       4390.00       390.00       Stubb       1.00       4391.00         Recorder       0.00       8365       Inside       4391.00       1.00       1.00         Perforations       13.00       4404.00       1.00	Jars         5.00         4379.00           Safety Joint         2.00         4381.00           Packer         5.00         4386.00         27.00         Bottom Of Top Packer           Packer         4.00         4390.00         500         8000         100 <td< td=""><td>-</td><td></td><td>5.00</td><td></td><td></td><td></td><td></td><td></td></td<>	-		5.00					
Safety Joint         2.00         4381.00           Packer         5.00         4386.00         27.00         Bottom Of Top Packer           Packer         4.00         4390.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4404.00         4391.00         4404.00         4404.00         4404.00         4404.00         4404.00         4405.	Safety Joint         2.00         4381.00           Packer         5.00         4386.00         27.00         Bottom Of Top Packer           Packer         4.00         4390.00         4391.00         5.00         8.00         9.00         8.00         9.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Packer         5.00         4386.00         27.00         Bottom Of Top Packer           Packer         4.00         4390.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4391.00         4404.00         4391.00         4404.00         4404.00         4404.00         4405.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4406.00         4	Packer         5.00         4386.00         27.00         Bottom Of Top Packer           Packer         4.00         4390.00         4391.00         100         4391.00         100	Hydraulic tool		5.00			4374.00		
Packer         4.00         4390.00           Stubb         1.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         4404.00         4405.00           Drill Pipe         188.00         4593.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Packer         4.00         4390.00           Stubb         1.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         8522         Outside         4391.00           Change Over Sub         1.00         4404.00         4404.00           Drill Pipe         188.00         4593.00         4405.00           Change Over Sub         1.00         4594.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	•							
Stubb         1.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         8522         Outside         4391.00           Change Over Sub         1.00         4405.00         4405.00           Drill Pipe         188.00         4593.00         4594.00           Stullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Stubb         1.00         4391.00           Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         8522         Outside         4391.00           Change Over Sub         1.00         4404.00         4404.00           Drill Pipe         188.00         4593.00         4593.00           Change Over Sub         1.00         4594.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Jars		5.00			4379.00		
Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         4404.00         4405.00           Change Over Sub         1.00         4405.00         4593.00           Drill Pipe         188.00         4594.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchord	Recorder         0.00         8365         Inside         4391.00           Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         4404.00         4404.00           Change Over Sub         1.00         4405.00         4405.00           Drill Pipe         188.00         4593.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Jars Safety Joint		5.00 2.00 5.00			4379.00 4381.00	27.00	Bottom Of Top Packer
Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         4404.00           Change Over Sub         1.00         4405.00           Drill Pipe         188.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00	Recorder         0.00         8522         Outside         4391.00           Perforations         13.00         4404.00           Change Over Sub         1.00         4405.00           Orill Pipe         188.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00	Jars Safety Joint Packer Packer		5.00 2.00 5.00 4.00			4379.00 4381.00 4386.00 4390.00	27.00	Bottom Of Top Packer
Perforations         13.00         4404.00           Change Over Sub         1.00         4405.00           Drill Pipe         188.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00	Perforations         13.00         4404.00           Change Over Sub         1.00         4405.00           Drill Pipe         188.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Jars Safety Joint Packer Packer Stubb		5.00 2.00 5.00 4.00 1.00			4379.00 4381.00 4386.00 4390.00 4391.00	27.00	Bottom Of Top Packer
Change Over Sub         1.00         4405.00           Drill Pipe         188.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Change Over Sub         1.00         4405.00           Drill Pipe         188.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Jars Safety Joint Packer Packer Stubb Recorder		5.00 2.00 5.00 4.00 1.00 0.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00	27.00	Bottom Of Top Packer
Drill Pipe         188.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchord	Drill Pipe         188.00         4593.00           Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Jars Safety Joint Packer Packer Stubb Recorder Recorder		5.00 2.00 5.00 4.00 1.00 0.00 0.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00 4391.00	27.00	Bottom Of Top Packer
Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Change Over Sub         1.00         4594.00           Bullnose         3.00         4597.00         207.00         Bottom Packers & Anchor	Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		5.00 2.00 5.00 4.00 1.00 0.00 0.00 13.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00 4391.00 4391.00	27.00	Bottom Of Top Packer
Bullnose 3.00 4597.00 207.00 Bottom Packers & Anchor	Bullnose     3.00     4597.00     207.00     Bottom Packers & Anchor	Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub		5.00 2.00 5.00 4.00 1.00 0.00 0.00 13.00 1.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00 4391.00 4404.00 4405.00	27.00	Bottom Of Top Packer
		Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe	1	5.00 2.00 5.00 1.00 0.00 0.00 13.00 1.00 188.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00 4391.00 4404.00 4405.00 4593.00	27.00	Bottom Of Top Packer
Total Tool Length: 234.00	Total Tool Length: 234.00	Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		5.00 2.00 5.00 4.00 0.00 0.00 13.00 1.00 188.00 1.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00 4391.00 4404.00 4405.00 4593.00 4594.00		
		Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		5.00 2.00 5.00 4.00 0.00 0.00 13.00 1.00 188.00 1.00 3.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00 4391.00 4404.00 4405.00 4593.00 4594.00		
		Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		5.00 2.00 5.00 4.00 0.00 0.00 13.00 1.00 188.00 1.00 3.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00 4391.00 4404.00 4405.00 4593.00 4594.00		
		lars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		5.00 2.00 5.00 4.00 0.00 0.00 13.00 1.00 188.00 1.00 3.00			4379.00 4381.00 4386.00 4390.00 4391.00 4391.00 4391.00 4404.00 4405.00 4593.00 4594.00		

RILOE		Palomi	no Petroleum,	Inc		7-14s-30w	Gove,KS		
ESTING , INC			4924 SE 84th St. New ton KS 67114			Brownie			
						Job Ticket: 6		DST#:6	
		ATTN:	Ryan Seib			Test Start: 2	2015.12.03 @ 07	7:54:00	
Mud and Cushion Inf	ormation								
Mud Type: Gel Chem				nion Type:			Oil A PI:	0 deg A	٩P
-	ib/gal			nion Length:		ft	Water Salinity:	0 ppm	
/iscosity: 51.00 Vater Loss: 7.37				nion Volume:		bbl			
	in² ohm.m			Cushion Type: Cushion Pressure					
Salinity: 1100.00			Gas	Cushion Pressure	:	psig			
	inches								
Recovery Information	n								
	( <u></u>		Rec	overy Table			7		
	Leng ft	lth		Description		Volume bbl			
		50.00	mud 100m			0.246			
То	tal Length:	50	.00 ft To	otal Volume:	0.246 bbl				
Nu La	ım Fluid Samı boratory Nar	oles:0 ne: ments:sli	N La d 1' at bottom	otal Volume: lum Gas Bombs: aboratory Location took on a small ar ver tool never plug	0 n: noutofmud. T	Serial #. The small amou ly off.		re caused erratic	
Nu La	ım Fluid Samı boratory Nar	oles:0 ne: ments:sli	N La d 1' at bottom	lum Gas Bombs: aboratory Location took on a small ar	0 n: noutofmud. T	"he small amoι		re caused erratic	
Nu La	ım Fluid Samı boratory Nar	oles:0 ne: ments:sli	N La d 1' at bottom	lum Gas Bombs: aboratory Location took on a small ar	0 n: noutofmud. T	"he small amoι		re caused erratic	
Nu La	ım Fluid Samı boratory Nar	oles:0 ne: ments:sli	N La d 1' at bottom	lum Gas Bombs: aboratory Location took on a small ar	0 n: noutofmud. T	"he small amoι		re caused erratic	
Nu La	ım Fluid Samı boratory Nar	oles:0 ne: ments:sli	N La d 1' at bottom	lum Gas Bombs: aboratory Location took on a small ar	0 n: noutofmud. T	"he small amoι		re caused erratic	
Nu La	ım Fluid Samı boratory Nar	oles:0 ne: ments:sli	N La d 1' at bottom	lum Gas Bombs: aboratory Location took on a small ar	0 n: noutofmud. T	"he small amoι		re caused erratic	
Nu La	ım Fluid Samı boratory Nar	oles:0 ne: ments:sli	N La d 1' at bottom	lum Gas Bombs: aboratory Location took on a small ar	0 n: noutofmud. T	"he small amoι		re caused erratic	

Printed: 2015.12.08 @ 14:11:14

Ref. No: 64682

Trilobite Testing, Inc

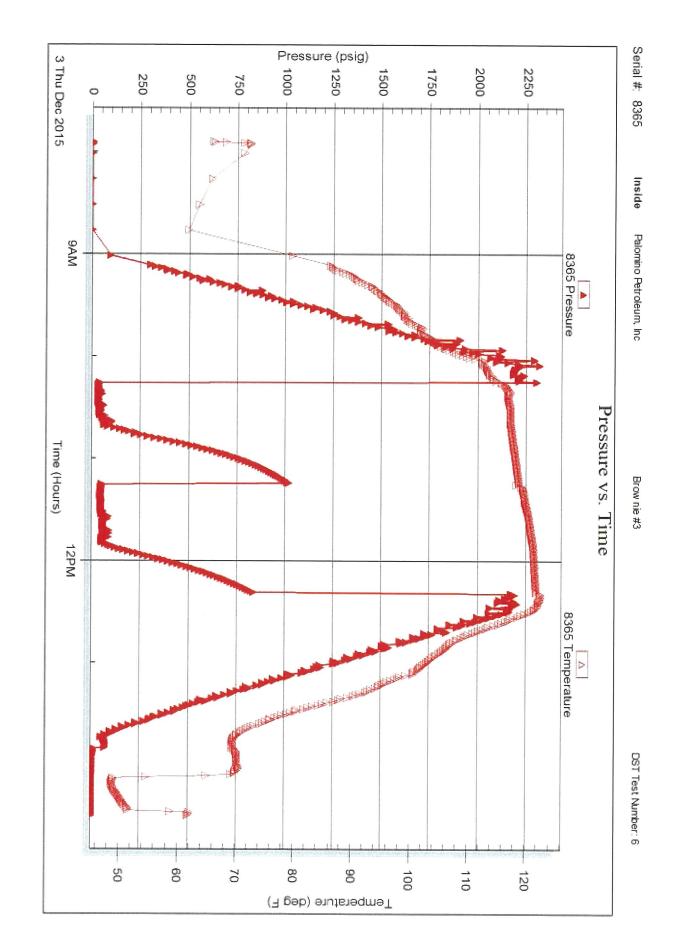


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Printed: 2015.12.08 @ 14:11:15

Ref. No: 64682

Trilobite Testing, Inc





1515 Commerce Parkway • Hays, Kansas 67601

**Test Ticket** 

**NO.** 61847

Well Name & No. Browne #3		_ Test No	1	Date 11/29	12015
Company Palomino Petrole				КВ7	
Address 4924 SE 84th St	. Newton, tes	67114			
Co. Rep/Geo. Ryan Seib		Rig WM	#12		
Location: Sec Twp4	Rge <u>ΖΟω</u> _Ο	:0. <u>Gove</u>	4	State	5
Interval Tested <u>3932 - 3900</u>	Zone Tested	onto - Lk	e A		
Anchor Length <u>GS</u>	Drill Pipe Run	36.8-	3	Mud Wt. $\underline{q}_{0}$	
Top Packer Depth3 § 2 7	Drill Collars Run	-		Vis51	
Bottom Packer Depth 3932	Wt. Pipe Run	C	)	WL 7.4	
Total Depth <u>390 ở</u>	Chlorides 1100			LCM_2dt	
Blow Description I block					
ISI No reform.					
FF j"blew					
FSI No ietorn.			****		
Rec15_0Feet ofU.cm		%gas	%oil	20 %water	80 %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		%gas		%water	%mud
Rec Total 15 C BHT ill	Gravity API	RW@			ppm
(A) Initial Hydrostatic $1 \frac{\$}{\$} \frac{\$}{\$} \frac{4}{4}$	Q Test			ocation <u>1800</u>	
(B) First Initial Flow 2_5	250			ted <u>1824</u>	
(C) First Final Flow 7 1	Safety Joint 75		T-Oper	n <u>2121</u>	
(D) Initial Shut-In 1(25	Q Circ Sub <u>N/c</u>		T-Pulle	ed 2321	
(E) Second Initial Flow 7 7	- Hourly Standby		T-Out	0147	
(F) Second Final Flow 9 5	Mileage 77 RT		Comm	ents	
(G) Final Shut-In	Sampler		1000.000 (Marcana)		
(H) Final Hydrostatic 1876	Straddle				
	Shale Packer			ined Shale Packer_	
Initial Open ? ບໍ	Extra Packer			ined Packer	
Initial Shut-In	Extra Recorder			tra Copies 0 Ital	
Final Flow Go	Day Standby		Total	1452	
Final Shut-In	Accessibility			ST,Disc't	
	Sub Total 1452		WIF/UC		
		······	A. D	Tall	





**Test Ticket** 

**NO.** 61848

·····							
Well Name & No	1.e #3		Test No.	2	Date	11/29/201	5
Company Palomino	Petrdesm	Inc	Elevation	2779	КB	1	GL
Address 4924 SE	E 84th Sr		Ks 67				
Co. Rep / Geo. Ryan	Seib		Rig	UW#12	2		nanns ann air a shin a' shadag
Location: Sec7	Twp. <u>145</u> 1					State KS	
Interval Tested <u>3898</u>	- 3940	Zone Tested	UKC C	>			
Anchor Length4		Drill Pipe Run	3767		Mud Wt.	-9.0	Information and an
Top Packer Depth3 8			121		Vis		
Bottom Packer DepthS			Ø			6.8	6454 (447) (447)
Total Depth 39	40		3700 pr		LCM	2#	
Blow Description	Je "blow			,			
ISI	No return						
FF	Surface blo	w	nan kan kan kan kan kan kan kan kan kan				************************************
FST	No return			na an a			antana (non) (non) (non) (non) (non) (non)
Rec Feet of	Wein		%gas	%oil	10	%water 90	%mud
Rec Feet of	<u>(ott</u>	- SPOTS)	%gas	%oil		%water	%mud
Rec Feet of			%gas	%oil		%water	%mud
Rec Feet of			%gas	%oil		%water	%mud
Rec Feet of			%gas	%oil		%water	%mud
Rec Total80	внт 112 с	iravity	API RW	@^I			
(A) Initial Hydrostatic		Test_1050				1315	
(B) First Initial Flow		⊠ Jars250		T-Start	ed	3 44	
(C) First Final Flow	45 )	Safety Joint 75	5	T-Oper	n <u> </u>	617	5
(D) Initial Shut-In	1141	Circ Sub <u>11/c</u>		T-Pulle	d/	8#F	
(E) Second Initial Flow	140	Hourly Standby		T-Out	2	018	
(F) Second Final Flow	2 11	□ Mileage <u>77</u> ₽		Comm	ents		
(G) Final Shut-In		Sampler				an a	
(H) Final Hydrostatic	1220	Straddle					
		Shale Packer		_		Packer	
Initial Open	30	Extra Packer				er	
Initial Shut-In	30	Extra Recorder			tal <u>0</u>		
Initial Shut-In Final Flow Final Shut-In	30 1	Day Standby			1452		<u></u>
Final Shut-In	30	Accessibility					
		1452				994 (1999)	
Approved By			Poprosostativa	- 1 /1	2		





**Test Ticket** 

	13 4	$n_{I}$	1mg
NO.	01	84	1

Well Name & No. Brownie #3	9.44, ann an 19 an 19 an 19 an 20 an 19		~>	11/2	
Company Palanino Petroleum	T	lest No	<u> </u>	Date //(	5/2015
Address $4474$ SE S4 $44$ St	Nouto	Elevation	2779	KB273	<u>7  </u> GL
Co. Rep/Geo. Ryan Seib	Neco roat y	<u>r.s.</u> (2)	7114 11.1 9h		
Location: Sec. 7 Twp. 145	Rge <i>70 a</i>	Rig	Gove	State k	ب
Interval Tested <u>3936 - 399</u> 2					
Anchor Length54				Mud Wt. 9, 1	9
Top Packer Depth <u>Z 4 3 3</u>	•			Vis 52	and all that a more and a solution
Bottom Packer Depth 3939				WL 6.8	
Total Depth 3992				LCM_2 <sup>tt</sup>	
Blow Description IF Suface blog					
ISI : No relan.					
FF: Noblew					
FSI No lelorn.					
Rec5 Feet of00		%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		%gas	%oil	%water	%mud
Rec Total BHT		API RW	_@°F	Chlorides	ppm
(A) Initial Hydrostatic			T-On L	ocation 0300	<u>}</u>
(B) First Initial Flow 22	·			ed <u>0356</u>	
(C) First Final Flow25	Safety Joint 75			0657	
(D) Initial Shut-In <u>525</u>	Circ Sub N/c			d <u>0857</u> 1044	•
(E) Second Initial Flow2_5	Hourly Standby		-		
(F) Second Final Flow2 S	Mileage 77 Br		and the second se	ents	
(G) Final Shut-In <u>526</u>	Sampler				
(H) Final Hydrostatic 1 S 1 4	Straddle	······		ined Shale Packer	
	Shale Packer			ined Packer	
Initial Open 30	Extra Packer	·····		ra Copies	
Initial Shut-InS 0	Extra Recorder			tal	
Final Flow 3 0	Day Standby		Total	1452	
Final Shut-In 3 O	Accessibility		MP/DS	ST Disc't	
	Sub Total 1452		- //2		
Approved By	Our	Representative_	1/1/	1	

Trilobite Testing Inc. shall not be liable for damaged of any kine 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.



1515 Commerce Parkway · Hays, Kansas 67601

**Test Ticket** 

61850 NO.

4.10 - e.'						
Well Name & No. Longard # 3		Test No.	4	Date	2/01/20	15
Company Palemino Petroleum	, The	Elevation	2774	КВ	2271	GL
Address 4924 SE Suth	J Newlon	K. 6	7114	an a ba a chuir an 1914 a bha ann an 1914 ann an ann ann ann an 1914		
Co. Rep / Geo. Ryan Seib	1	Rig	JW 12			
Location: Sec. 7 Twp. 145	_ Rge 7 0	_Co. <u> </u>	¢	S	State <u>Ks</u>	
Interval Tested 4020-4090	Zone Tested	KKC I	**			
Anchor Length70	Drill Pipe Run	3 ?	3 90	Mud Wt.	9,2	
Top Packer Depth4015	Drill Collars Run		21	Vis	52	
Bottom Packer Depth402_0	Wt. Pipe Run		<u>Č</u>	WL	7.4	
Total Depth 4090	Chlorides	<u>3900 p</u>	pm System	LCM	7世	
Blow Description JF Surface blow	1 /					
TGT XIG relation	<u> </u>					
FF No blow						
EST No relura						
Rec Feet of MUD		%gas	%oil	%	6water 100	%mud
Rec Feet of		%gas	%oil	0/	6water	%mud
Rec Feet of		%gas	%oil	ő	6water	%mud
Rec Feet of		%gas	%oil	%	6water	%mud
Rec Feet of		%gas	%oil	0/	6water	%mud
Rec Total 5 BHT 108	Gravity	API RW	°	F Chlorides	**************************************	ppn
(A) Initial Hydrostatic1989	☑ Test		T-On L	ocation	2290	
(B) First Initial Flow 26	∠ Jars250		T-Start	ted	2250	
(C) First Final Flow28	A Salety Joint 75		T-Oper	n(	0052	
(D) Initial Shut-In / [ ]	Circ Sub <u>MC</u>		T-Pulle		252	
(E) Second Initial Flow27	Hourly Standby		T-Out	C	513	
(F) Second Final Flow29	Mileage 77 R		Comm	ients	······	
(G) Final Shut-In log	Sampler				w	
(H) Final Hydrostatic <u>) 936</u>	Straddle		E-444-975	unod Shalo	Packer	
	Shale Packer					
Initial Open	Extra Packer				r	
Initial Shut-In	Extra Recorder			otal		
Final Flow	Day Standby			1452		
Final Shut-In	Accessibility					
	Sub Total 1542					

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 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. 1



1515 Commerce Parkway · Hays, Kansas 67601

**Test Ticket** 

64681 NO.

Well Name & No.	Brow	nie # 3	3	-		Test	No.	5	Date	12/01	12015	-
Company_Palo			1 , T.	- 				2779		• •		GL
Address 492	<u>4</u> S	<u>E 8</u>	4th St	-	Newton	1					I	UL
Co. Rep / Geo					20	Rig	WL	J 12		W I THE REPORT OF A MANAGEMENT		
Location: Sec.	7	Twp	14s	_ Rge	30w	Co	Gox	e		State	Ks	
Interval Tested				Z(	one Tested	LKC	J					
Anchor Length		34		D	rill Pipe Run	<u> </u>	155		Mud Wt.	9,2		
Top Packer Depth		4081		Di	rill Collars Rur	]	120		Vis			
Bottom Packer Depth					/t. Pipe Run		Ø		WL	7.8		
Total Depth		4120		C	hlorides	3900	/p	om System	LCM			
Blow Description	IP	*2 "	blow,	Rece	rded to s	Whole.						andread & B. Balliner (Monana Analysis (Par Andreas)
	ISI	No.	etorn.									
f	F	Surface	blow									
<u> </u>	S.I.	No re	turn.									
Rec <u>40</u>						%0	as	%oil	c	%water	100	%mud
Rec	Feet of _		······			%0	as	%oil		%water		%mud
Rec						% <u>c</u>	as	%oil	c	%water		%mud
Rec						%0	as	%oil	c	%water		%mud
Rec						%0	as	%oil		%water		%mud
Rec Total	40	BHT	из	Gravity		API RW		@°	F Chloride			ppm
(A) Initial Hydrostatic									ocation			·····
(B) First Initial Flow_			23	ل کُ	rs_250				ted			
(C) First Final Flow _			40	`⊠ Sa	afety Joint	5		T-Ope	n/S	523		
(D) Initial Shut-In		10	64		rc Sub <u>).// c</u>			T-Pulle	ed/7	23		<b></b>
(E) Second Initial Flo	w	I	39		ourly Standby			T-Out	19	24		
(F) Second Final Flow	N	l	$+7_{-}$		leage 77 R			Comm	ients			·····
(G) Final Shut-In		10 2	32		ampler							1.00 mm
(H) Final Hydrostatic					raddle							
									ined Shale			
nitial Open			30		ale Packer				lined Packe			
					tra Recorder				tra Copies			
nitial Shut-In Final Flow Final Shut-In			32						otal 320 1862			
Final Shut-In			30		ay Standby							
					cessibility 			MP/D	ST Disc't			
					- NGAI			- /	IA			

Approved By \_

Our Representative\_

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1515 Commerce Parkway • Hays, Kansas 67601

**Test Ticket** 

6	4	6	8	2
	6	64	646	6468

Well Name & No. <u>Browne</u> 3 Company <u>Palanua</u> <u>Petroleum</u> , Address <u>4924 SE 94<sup>th</sup> St</u> Co. Rep / Geo. <u>Ryan Seib</u> Location: Sec. <u>7</u> Twp. <u>145</u> Interval Tested <u>4390 - 4597</u>	Nowton, ks	Elevation 2 67114 Rig WW _Co. <u>Gov</u>	#12		GL
Anchor Length 20 7		4265		lud Wt. 9, 2	
Top Packer Depth4385		121		is <u>58</u>	
Bottom Packer Depth 4390		Ø		n <u>7,8</u>	
Total Depth 4597		900 ppm S	vstem I (	CM_2#	
Blow Description IF & Wow recea	Tel to a weak	Sortqueblow	<i>y</i> 5tem <i>L</i>		
JSI: No reform		······································			
FF: No blow					
FSI: No lelorn.			<b>An an an</b>		
Rec. <u>50</u> Feet of <u>MUD</u>		%gas	%oil	%water NO	%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		%gas	%oil	%water	%mud
Rec Total 50 BHT 123	Gravity A	PIRW@	— °F C		ppm
(A) Initial Hydrostatic 2313	∑ Test1150	-	T-On Loca	ution 0740	
(B) First Initial Flow らせ	9⊈ Jars250		T-Started	0754	
(C) First Final Flow 2-2-9	™ Safety Joint 75		T-Open	1015	
(D) Initial Shut-In <u>1037</u>	Circ Sub K		T-Pulled _	1215	****
(E) Second Initial Flow 4-8	Hourly Standby		T-Out	1429	
(F) Second Final Flow56	Mileage 7724		Comment	S	
(G) Final Shut-In 862	Sampler				
(H) Final Hydrostatic 223	G Straddle			······	
	Shale Packer			d Shale Packer	
Initial Open 36	Extra Packer			d Packer	
Initial Shut-In	<ul> <li>Extra Recorder</li> </ul>		Sub Total	Copies 0	
Final Flow	Day Standby			542	
Final Shut-In 20	Accessibility			Disc't	
	Sub Total 1542		1 1		
Approved By			K. LA	1-2	

Approved By