Confidentiality Requested: Yes No

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

1217418

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.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	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 #:	Dewatering method used:
Dual Completion Permit #:      SWD Permit #:	
SWD         Permit #:           ENHR         Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Reached TD Completion Date or 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	1217418
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS, Chow important tang of formations populated	Dotail all cores Report all fi	nal copies of drill stoms tests giving interval tested, time teal

**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 Sheets)		Yes No		_og Formatio	n (Top), Depth an	oth and Datum	
	Samples Sent to Geological Survey		Nam	ie		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c		ew Used ermediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQ	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 o	on this well?		Yes	No (If No, skip	o questions 2 an	d 3)

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

Yes No

No

Yes

(If No, skip question 3)

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated						Acid, Fracture, Shot, Co (Amount and Kind	ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	20:	Set At:		Packer	At:	Liner R		No	
Date of First, Resumed Production, SWD or ENHR.			<b>}</b> .	Producing Met	hod:	oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
				1						
DISPOSITION OF GAS:			n	METHOD (	OF COMPLE	TION:		PRODUCTION INTI	ERVAL:	
Vented Solo	d 🗌 l	Jsed on Lease		Open Hole	Perf.	Dually		Commingled		
(If vented, Su	ıbmit ACO	-18.)		Other <i>(Specify)</i>		(Submit A	,	(Submit ACO-4)		

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

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	BBR 1
Doc ID	1217418

Tops

Name	Тор	Datum
Anhy.	1757	(+ 750)
Base Anhy.	1787	(+ 720)
Heebner	3781	(-1274)
Lansing	3825	(-1218)
ВКС	4133	(-1626)
Marmaton	4156	(-1649)
Pawnee	4254	(-1747)
Ft. Scott	4325	(-1818)
Cherokee Sh.	4351	(-1844)
Miss. Dol.	4426	(-1919)
LTD	4551	(-2044)

				KECEIVED		
CONSOLI Oil Well Serv	and the second	Consolidated Oil Well Dept. 970 P.O. Box 43 Houston, TX 772	Services, LLC ) 346	620/431-9210 • 1·	P.O. Box 884 ute, KS 66720	
INVOICE				Invoice #	269802	
Invoice Date: 07/30	/2014 T	erms: 10/10/10,n/	30	P	age <u>1</u>	
PALOMINO PETROLEUM, INC.       BBR #1         4924 SE 84TH STREET       46612         NEWTON KS 67114-8827       8-18-25         ( )       -         KS						
Description P & A NEW WELL EQUIPMENT MILE		WAY)	Hours 1.00 35.00		Total 1395.00 183.75	
Part Number 1131 1118B 1107	Descript: 60/40 POZ PREMIUM ( FLO-SEAL	z mix Gel / bentonite	230.00 791.00	Unit Price 15.8600 .2700 2.9700	Total 3647.80 213.57 172.26	
Sublet Performed 9995-130 9996-130	•	ion QUIPMENT DISCOUNT ATERIAL DISCOUNT			Total -218.46 -403.37	
Description 529 MIN. BULK DELIV	VERY		Hours 1.00	Unit Price 605.85	Total 605.85	

Amount Due 6466.29 if paid after 08/09/2014

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Parts:	4033.63	Freight:	.00	Tax:	223.25	AR	5819.65
Labor:	.00	Misc:	.00	Total:	5819.65		
Sublt:	-621.83	Supplies:	.00	Change:	.00		

 Signed\_\_\_\_\_\_\_
 Date\_\_\_\_\_\_

 BARTLESVILLE, OK
 EL DORADO, KS
 EUREKA, KS
 PONCA CITY, OK
 OAKLEY, KS
 OTTAWA, KS
 THAYER, KS
 GILLETTE, WY
 CUSHING, OK

 918/338-0808
 316/322-7022
 620/583-7664
 580/762-2303
 785/672-8822
 785/242-4044
 620/839-5269
 307/686-4914
 918/225-2650

269802

BOLIDATED

TILKET NUMBER 46612
LOCATION Ogleley Ko-
FOREMAN Danen

		FIEL	D TICKE	T & TREAT	IMENT REP	PORT		
O Box 884, Cha 20-431-9210 or	800-467-8676			CEMEN'				Ks.
	CUSTOMER #	WELL	NAME & NUM	IBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/19/14	6285	BBR *	+1		8	18	25	Ness
TUSTOMER	01	1000		Laind	7010//#	DRIVER	TRUCK#	DRIVER
Palomin		oleum		ato	TRUCK#	Cory	Inconcur	DITIVEIT
AILING ADDRES	s			Rd H	and the second division of the second divisio	Jeff		
		TATE	ZIP CODE	4 x winto	529	Jert		
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		OLE SIZE	18	HOLE DEPTR		_ GASING OILL C	OTHER	
CASING DEPTH_		RILL PIPE 7/	2,1110		k	CEMENT L FFT in	CASING	
LURRY WEIGHT	12.5 To BS	LURRY VOL		WAIER gava				
DISPLACEMENT_			PSI	_ MIX PSI	8 Plus	ac Orale	red	
REMARKS; Sat	ty mee	ting Ki	g up o	1 000	0 1149	ATE AS Orela		
								nin an
1770' - 50								
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Plug Kath	hole - 30 3	585	and the second secon					
-								and the second
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			1		Arver			TOTAL
ACCOUNT	QUANITY o	or UNITS		DESCRIPTION	of SERVICES or P	RODUCI		
5405N	1		PUMP CHAP	RGE			1395 00	
5406	35		MILEAGE				\$ 5,25	183.75 V
5407	9.89		Ton 1	Nileage,	Delivery	1	01,75	605.25
				-	/		2	
11.31	230	SKS	60/40	Poz mix			15.86	3647.80
	791	N.	Rente	nite		,	¥ ,27	213.52
11188	58	\$	Flose				\$ 2,97	172 26
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				and the second				
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					PART PART	mistal	FIREI	6/ 0/0 93
				AMERICA INC.		服務の主要	SubTota/	6218, 50
				dir.		-	Less 10%	
	and a start of the second start						SubTotal	5596:40
		$\mathbf{T}$						
<b> </b>		1 11/					SALES TAX	223.25
Ravin 3737		+ #1/					ESTIMATED	581910
	11 At	THE					TOTAL	2017.00
AUTHODITION	MILL	thatta		TITLE			DATE	

CONSOLII Oil Well Serv	approximation and a series	<b>RENNT TO</b> Consolidated Oil Well S Dept. 970 P.O. Box 43 Houston, TX 772	<b>RECEIVED</b> JUL 2 1 2014 <sub>Cha</sub> 620/431-9210 • Fa	MAIN OFFICE P.O. Box 884 nute, KS 66720 I-800/467-8676 k 620/431-0012	
INVOICE				Invoice #	269411
Invoice Date: 07/18	/2014	Ferms: 10/10/10,n/3	30	]	Page 1
PALOMINO PETROL 4924 SE 84TH ST NEWTON KS 6711 ( ) -	3R #1 5771 -18-25 -11-14 Ks				
	person person priority active biology active biolog				
Part Number 1104S 1102 1118B	CALCIUM	tion A" CEMENT (SALE) CHLORIDE (50#) GEL / BENTONITE	165.00	.9400	3060.75
Sublet PerformedDescription9995-130CEMENT EQUIPMENT DISCOUNT9996-130CEMENT MATERIAL DISCOUNT					Total -180.87 -358.16
Description 397 TON MILEAGE DE 399 CEMENT PUMP (S 399 EQUIPMENT MILE	Unit Price 474.95 1150.00 5.25	474.95			

Amount Due 5610.52 if paid after 07/28/2014

				tead and the state and and the state	na baan anna anna mara baan baba basa basa basa basa basa bas	na gauna kanat Manya I yan panat Read Street B	
Parts:	3581.55	Freight:	.00	Tax:	198.24	AR	5049.46
Labor:		Misc:		Total:	5049.46		
Sublt:		Supplies:	.00	Change:	.00		
	==========	=======================================	t basis and and and and and and and and and				an and an and and and and and and and an



269411

LOCATION Oskicy KS

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

# FOREMAN Dave Retzloft

DATE	CUSTOMER #	W	ELL NAME & NUM	GEWIEN	-			KS
7 11 12		1	the second division of		SECTION	TOWNSHIP	RANGE	COUNTY
7-11-14 CUSTOMER	6285	BBR	*[		8	18	7	
CONTONIER	P			Laird	le de la serie		25	Ness
MAILING ADDRE	SS I alom	ino Petr	oleum	RD H	TRUCK #	DRIVER	TRUCK #	DRIVER
				North 4 mil	399	Nike		GRAVEN
CITY		ISTATE	ZIP CODE	Westinto	.397	Lociu		
			ZIF CODE			or		
OB TYPE Su	C				8. ···			
		HOLE SIZE		HOLE DEPTH	210	CASING SIZE & W	EIGHT 8%	24 685
ASING DEPTH_		DRILL PIPE_		TUBING N	4		OTHER	44 485
LURRY WEIGHT		SLURRY VOL		WATER gal/sk	6.5	CEMENT LEFT in (		
ISPLACEMENT_		DISPLACEME	NT PSI_200	MIX PSI 150				
EMARKS: Sa	Hey meet	ing, Rig	LID. Ree		1	RATE mix at		
of Class A	cemet.	3% Calcu	une chlanid	- and	ation wit	h rig pump	mix 1	65 sks
Shut in. 1	Jash roum	A & line	s. Rig d	<u>c a 16 p</u>	CATONITY_	h rig pump Displace 12.4	BBIS of w	ster.
	dial cit	1 ALCONTRACTOR	ang de	and a				

ACCOUNT	QUANITY or UNITS	- hanks	Dane +	ered
CODE	GOANTT OF ONITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015		PUMP CHARGE	1	
5406	35	MILEAGE	1150.00	1150.00
5407A	7.75	The Miles A i	5.95	183.75
		Ton Mileage Delivery	1.75	474.95
11045	165 sks	Class A cement		
1102	465		18.55	3060.75
11180	310	Calcium chloride	.94	437.10
	3/8	Bentonite	7	83.70
			SLLO	5390.25
			10%0	539.03
			Total	4851.22
		completed		
		<u></u>		
		()		
Ravin 3737	Velt	/	SALES TAX	198.24
	· Marthat		ESTIMATED	
AUTHORIZTION	- XIMKXXIIIOA	TITLE	TOTAL	5049.46
			DATE	

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



# DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

#### BBR #1

#### 8-18s-25w Ness,KS

 Start Date:
 2014.07.16 @ 08:42:00

 End Date:
 2014.07.16 @ 15:15:30

 Job Ticket #:
 59129
 DST #:
 1

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

	DRILL STEM TES	TREPO	ORT		
RILOBITE	Palomino Petroleum		8-18s-25v	v Ness,KS	
ESTING , INC	4924 SE 84th St.		BBR #1		
	New ton KS 67114		Job Ticket:	59129	DST#:1
	ATTN: Ryan Seib		Test Start:	2014.07.16 @	08:42:00
GENERAL INFORMATION:					
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:10:51:45Time Test Ended:15:15:30	ft (KB)		Test Type: Tester: Unit No:	Conventiona Bradley Wa 69	al Bottom Hole (Initial) lter
Interval:4127.00 ft (KB) To427Total Depth:4270.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Reference K	Elevations: B to GR/CF:	2507.00 ft (KB) 2502.00 ft (CF) 5.00 ft
Serial #:         8522         Outside           Press@RunDepth:         51.86 psig         0           Start Date:         2014.07.16         08:42:05	=	2014.07.16 15:15:29	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2014.07.16 @ 10:51:30 @ 12:56:30
TEST COMMENT: 30: 1" blow . 30: No return. 30: Surface blow 30: No return.					
Pressure vs. Tr	ELC SZZ Terrensine			JRE SUMN	
EZPresere	E22 Internantin 115 110 110 110 110 110 110 110	Time (Min.) 0 1 29 62 62 91 125 125	29.98         113.3           41.91         114.0           833.64         115.4           45.07         115.5	<ul> <li>F)</li> <li>Initial Hydr</li> <li>Open To F</li> <li>Shut-In(1)</li> <li>End Shut-</li> <li>Open To F</li> <li>Shut-In(2)</li> <li>End Shut-</li> </ul>	ro-static Flow (1) In(1) Flow (2) In(2)
Recovery	······································			Bas Rates	
Length (ft)     Description       50.00     Mud 100m (oil specs in to	Volume (bbl) ol) 0.25		Cho	ke (inches) Press	ure (psig) Gas Rate (Mcf/d)
Trilobite Testing, Inc	Ref. No: 59129		Print	ed: 2014.07.2	1 @ 10:14:46

Printed: 2014.07.21 @ 10:14:46

.

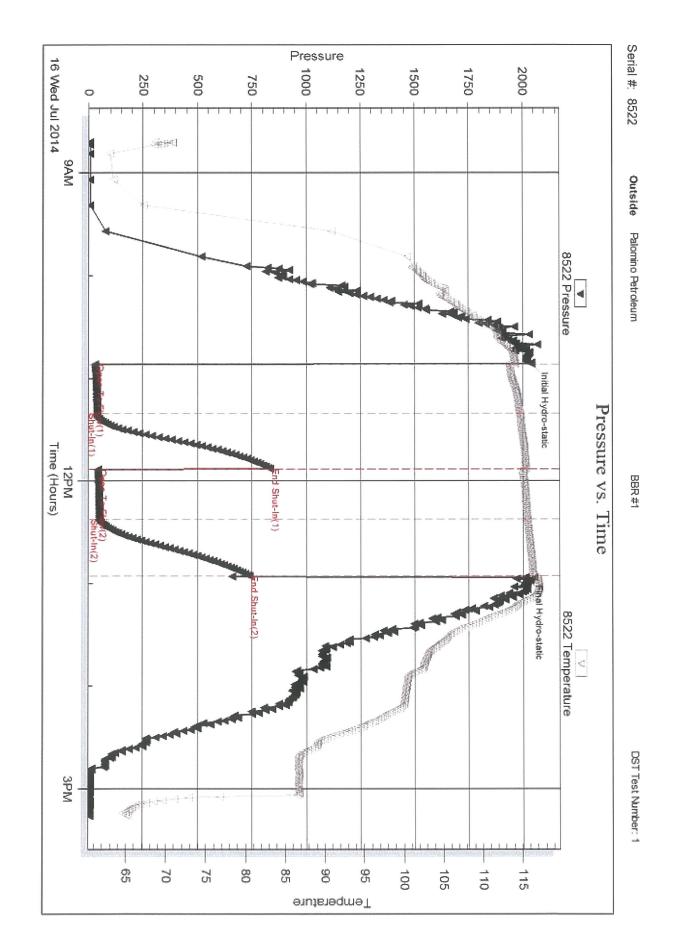
			~ m~			
RILOBITE	DRILL STEM TES	STREPO				
	Palomino Petroleum		8-18s-25w	Ness,KS		
ESTING , INC	4924 SE 84th St. New ton KS 67114		BBR #1			
			Job Ticket: 59		DST#:	1
₩ <b>₩</b> ₩	ATTN: Ryan Seib		Test Start: 20		00.42.00	
GENERAL INFORMATION:						
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:10:51:45Time Test Ended:15:15:30	ft (KB)			Conventiona Bradley Wali 69		le (Initial)
Interval: 4127.00 ft (KB) To 42			Reference Ele	evations:	2507.00	
Total Depth: 4270.00 ft (KB) (T Hole Diameter: 7.88 inchesHok	/D) e Condition: Good		KBI	to GR/CF:	2502.00 5.00	
Serial #: 8365InsidePress@RunDepth:psigStart Date:2014.07.16Start Time:08:42:05	@ 4128.00 ft (KB) End Date: End Time:	2014.07.16 15:15:29	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 2014.07.16	
TEST COMMENT: 30: 1" blow . 30: No return. 30: Surface blov 30: No return.	<i>ı</i> .					
Pressure vs. 7	inc 335 Temperature	Time	PRESSU	RE SUMM		
500 500 500 500 500 500 500 500	115 110 155 155	Time (Min.)	Pressure Temp (psig) (deg F)			
Recovery			Ga	as Rates		
Length (ft)     Description       50.00     Mud 100m (oil specs in to	Volume (bbl) 0.25		Choke (	(inches) Pressu	ure (psig) G	as Rate (Mcſ/d)
	 Ref. No: 59129			: 2014.07.21	0.40.44	

	BITE			EMIES	T REPO	KI	TOOL DIAGRA
			o Petroleun	n		8-18s-25w Ness,M	(S
	ring , inc	4924 SI	E84th St.			BBR #1	
		New tor	KS 67114			Job Ticket: 59129	DST#:1
NOR '		A TTN:	Ryan Seib	)		Test Start: 2014.07.1	6 @ 08:42:00
Tool Information						1	
Drill Pipe: Length:	4004.00 ft	Diameter:	3.80	inches Volum	e: 56.17 bb	U	2500.00 lb
Heavy Wt. Pipe: Length:		Diameter:		inches Volum		Ų	
Drill Collar: Length:	121.00 ft	Diameter:	2.25	inches Volum			
Drill Pipe Above KB:	25.00 ft			Total Volum	e: 56.77 bb		0.00 ft
Depth to Top Packer:	4127.00 ft					String Weight: Init	
Depth to Bottom Packer:	ft					Fin	al 58000.00 lb
Interval betw een Packers:	143.00 ft						
Tool Length:	170.00 ft						
Number of Packers:	2	Diameter:	6.75	inches			
Tool Comments:							
Tool Description	Lei	<b>ngth (ft)</b> 1.00	Serial No	o. Position	Depth (ft) 4101.00	Accum. Lengths	21.4 MANUARA 11.
Change Over Sub Shut In Tool		5.00			4101.00		
Hydraulic tool		5.00			4100.00		
Jars		5.00			4116.00		
					1110.00		
					4118 00		
Safety Joint		2.00			4118.00 4123.00	27.00	Bottom Of Top Packe
Safety Joint Packer					4118.00 4123.00 4127.00	27.00	Bottom Of Top Packe
Safety Joint Packer Packer		2.00 5.00 4.00		.,,	4123.00	27.00	Bottom Of Top Packe
Safety Joint Packer		2.00 5.00	8365	5 Inside	4123.00 4127.00 4128.00	27.00	Bottom Of Top Packe
Safety Joint Packer Packer Stubb		2.00 5.00 4.00 1.00	8365 8522		4123.00 4127.00 4128.00 4128.00	27.00	Bottom Of Top Packe
Safety Joint Packer Packer Stubb Recorder		2.00 5.00 4.00 1.00 0.00			4123.00 4127.00 4128.00 4128.00	27.00	Bottom Of Top Packe
Safety Joint Packer Packer Stubb Recorder Recorder		2.00 5.00 4.00 1.00 0.00 0.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00	27.00	Bottom Of Top Packe
Safety Joint Packer Packer Stubb Recorder Recorder Perforations		2.00 5.00 4.00 1.00 0.00 0.00 10.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00 4138.00	27.00	Bottom Of Top Packe
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub		2.00 5.00 4.00 1.00 0.00 0.00 10.00 1.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00 4138.00 4139.00	27.00	Bottom Of Top Packe
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		2.00 5.00 4.00 1.00 0.00 0.00 10.00 1.00 127.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00 4138.00 4139.00 4266.00	27.00	Bottom Of Top Packe
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		2.00 5.00 4.00 1.00 0.00 10.00 1.00 127.00 1.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00 4138.00 4139.00 4266.00 4267.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		2.00 5.00 4.00 1.00 0.00 10.00 1.00 1.00 1.00 3.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00 4138.00 4139.00 4266.00 4267.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		2.00 5.00 4.00 1.00 0.00 10.00 1.00 1.00 1.00 3.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00 4138.00 4139.00 4266.00 4267.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		2.00 5.00 4.00 1.00 0.00 10.00 1.00 1.00 1.00 3.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00 4138.00 4139.00 4266.00 4267.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		2.00 5.00 4.00 1.00 0.00 10.00 1.00 1.00 1.00 3.00			4123.00 4127.00 4128.00 4128.00 4128.00 4128.00 4138.00 4139.00 4266.00 4267.00		

	RILOBI	TE	DRI	LL S	STEM TES	T RE	PORT	-		FL	UID SUMMARY
「周期」		1	Palomin	io Petro	leum			8-18s-25w	/Ness,K	S	
雷	ESTI	NG , INC	4924 S New tor					BBR #1	59129	D	ST#: 1
			ATTN:	Ryan	Seib			Test Start: 2014.07.16 @ 08:42:00			
Mud and Cu	abion Info	rmation		•							
	l Chem 9.00 lb 53.00 se 6.79 in	/gal ec/qt			Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type Gas Cushion Pres			ft bbl psig	Oil API: Water S	alinity:	39 deg API 0 ppm
Salinity: Filter Cake:	2100.00 pr 1.00 in	om						F - 3			
Recovery Inf											
	-				Recovery Table	9					
		Lengt ft	ih		Description			Volume bbl			
	-		50.00	Mud 1	00m (oil specs in to	ool)		0.24	6		
	Tota	al Length:	50	.00 ft	Total Volume:		0.246 bbl				
	Rec	overy Com	nents:								

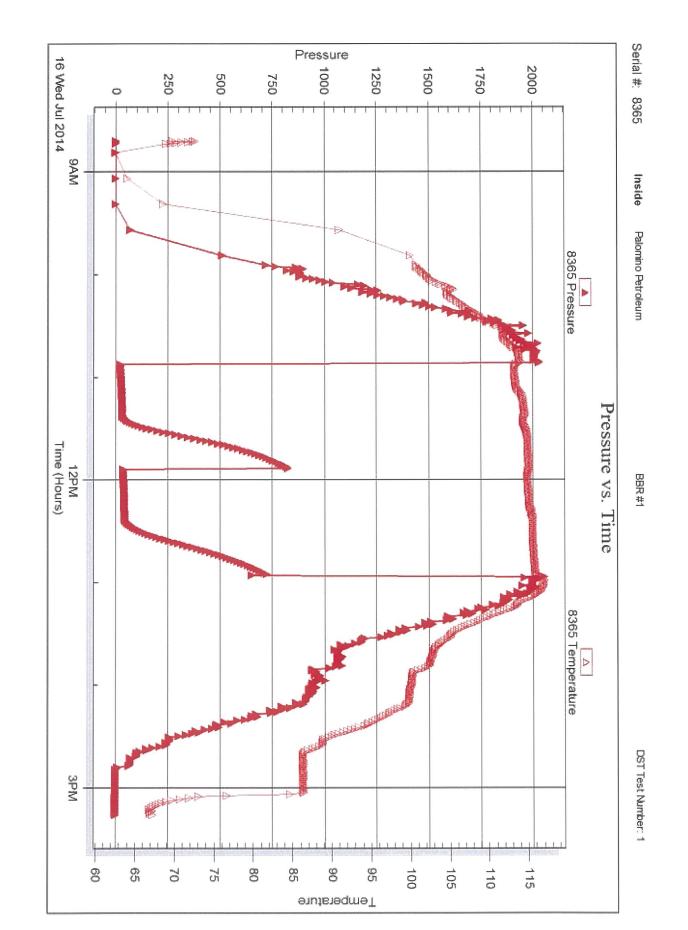
Ref. No: 59129





Ref. No: 59129

Tritobite Testing, Inc





# DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

#### BBR #1

#### 8-18s-25w Ness,KS

 Start Date:
 2014.07.17 @ 07:39:00

 End Date:
 2014.07.17 @ 13:32:15

 Job Ticket #:
 59130
 DST #:
 2

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

	DRILL STEM TES	T REPO	ORT		· · · · · · · · · · · · · · · · · · ·
RILOBITE	Palomino Petroleum		8-18s-2	5w Ness,KS	6
ESTING , INC	4924 SE 84th St. New ton KS 67114		BBR #1		DST#:2
	ATTN: Ryan Seib			t: 2014.07.17	
GENERAL INFORMATION:					
Formation: Mississippian Deviated: No Whipstock: Time Tool Opened: 09:29:00 Time Test Ended: 13:32:15	ft (KB)		Test Typ Tester: Unit No:	e: Conventic Bradley V 69	onal Bottom Hole (Reset) Valter
Interval:4348.00 ft (KB) To44Total Depth:4437.00 ft (KB) (THole Diameter:7.88 inches Hole			Referenc	e Elevations: KB to GR/CF:	2502.00 ft (CF)
Serial #: 8365InsidePress@RunDepth:19.91 psigStart Date:2014.07.17Start Time:07:39:05TEST COMMENT:IF: Surface blow	End Date: End Time:	2014.07.17 13:32:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2014.07.17 17 @ 09:28:45 17 @ 11:33:15
ISI: No return. FF: No blow . FSI: No return.		T		SURE SUM	
5305 Prosure	1100e 1335 Tonparature	Time		mp Annot	
	- 115	(Min.) 0		g F) 4.19   Initial Hy	/dro-static
1730		1			o Flow (1)
1500		31		3.86 Shut-In(	
1220	96 J	62 62		4.50 End Shu 4.50 Open To	
		91	1 1	5.19 Shut-In(	
		124	i I	5.93 End Shu 7.55 Final Hy	ut-In(2) /dro-static
17 Thu JJ 2014 944 Time (Ham)	GRU			Gas Rates	<u></u>
Length (ft) Description	Volume (bbl)				essure (psig) Gas Rate (Mcf/d)
5.00Mud 100m (oil spots)	0.02			<u>`</u>	<b>I</b>
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 59130	L	Pri	nted <sup>.</sup> 2014.07	.21 @ 10:14:23

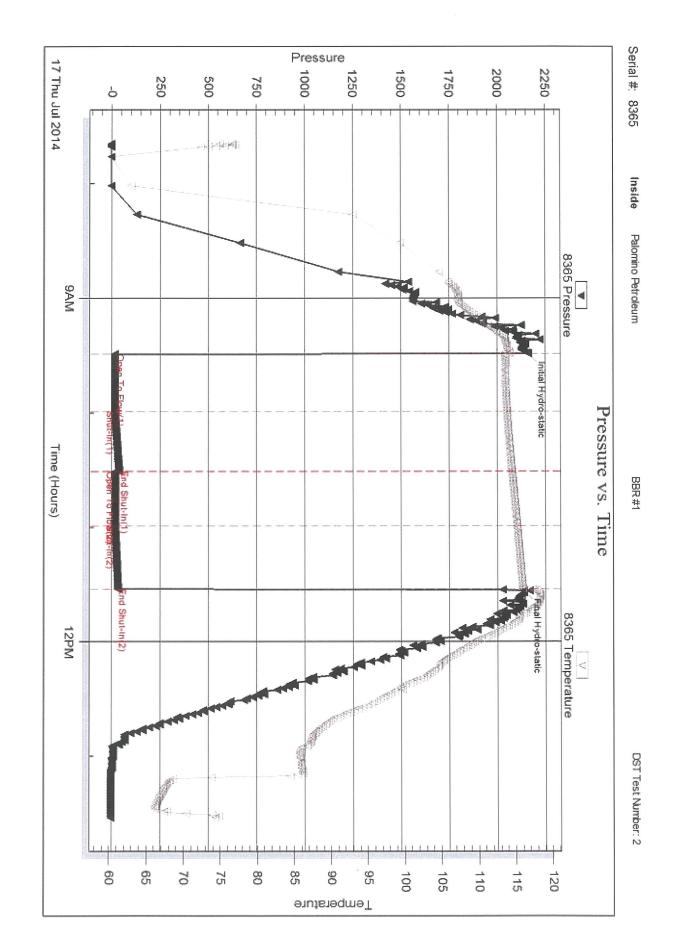
	DRILL STEM TES	ST REP	ORT			
RILOBITE	Palomino Petroleum		8-18s-25	w Ness,KS		
ESTING , INC	4924 SE 84th St. New ton KS 67114		BBR #1			
			Job Ticke		DST#: 2	
	ATTN: Ryan Seib		Test Starl	: 2014.07.17 (	D 07:39:00	
GENERAL INFORMATION:						
Formation: <b>Mississippian</b> Deviated: No Whipstock: Time Tool Opened: 09:29:00 Time Test Ended: 13:32:15	ft (KB)		Test Type Tester: Unit No:	: Convention Bradley Wa 69	al Bottom Hole (Reset) alter	
Interval:         4348.00 ft (KB) To         44           Total Depth:         4437.00 ft (KB) (TV           Hole Diameter:         7.88 inchesHole		Reference Elevations:         2507.00         ft (KB)           2502.00         ft (CF)           KB to GR/CF:         5.00         ft				
Serial #: 8522 Outside					ч. ст. с. т. т. т. т. т. т. с. т.	
Press@RunDepth: psig (	-		Capacity:		8000.00 psig	
Start Date:         2014.07.17           Start Time:         07:39:05	End Date: End Time:	2014.07.17 13:31:59	Last Calib.: Time On Btm: Time Off Btm:		2014.07.17	
TEST COMMENT: IF: Surface blow, ISI: No return. FF: No blow . FSI: No return.	died @ 20 min.					
Pressure vs. Ti	me 552 Terperature			SURE SUM		
229 200 1750 200 1750 200 1750 200 1750 200 1750 200 1750 200 1750 200 1750 200 1750 200 1750 200 1750 200 1750 200 1750 17		Time (Min.)	Pressure Ter (psig) (deg			
Recovery				Gas Rates		
Length (ft) Description	Volume (bbl)		C	hoke (inches) Pres	sure (psig) Gas Rate (Mcf/d)	
5.00 Mud 100m (oil spots)	0.02					

(I_I) <u>RILOB</u>		Palomino	Petroleum			8-18s-25w Ness,	TOOL DIAGRA
EST	'ING , INC		84th St. ≺S 67114 Ryan Seib			BBR #1 Job Ticket: 59130 Test Start: 2014.07	DST#: 2
Tool Information							
Drill Pipe: Length: Heavy Wt. Pipe: Length: Drill Collar: Length:	4226.00 ft D 0.00 ft D 121.00 ft D	)iameter:	0.00 inc 2.25 inc	thes Volume: thes Volume: thes Volume: Total Volume:	59.28 bbl 0.00 bbl 0.60 bbl 59.88 bbl	-	2500.00 lb icker: 25000.00 lb ose: 70000.00 lb 0.00 ft
Depth to Bottom Packer: Interval betw een Packers:	26.00 ft 4348.00 ft ft 89.00 ft 116.00 ft			iotai voiume.	33.00 001	String Weight: In	
Tool Length: Number of Packers:		iameter:	6.75 inc	hes			
Tool Description			Serial No.	Position		Accum. Lengths	
Change Over Sub		1.00	Serial No.	Position	4322.00	Accum. Lengths	
Change Over Sub		1.00 5.00	Serial No.	Position	4322.00 4327.00	Accum. Lengths	
Change Over Sub Shut In Tool	:	1.00 5.00 5.00	Serial No.	Position	4322.00	Accum. Lengths	
	:	1.00 5.00	Serial No.	Position	4322.00 4327.00	Accum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars	:	1.00 5.00 5.00	Serial No.	Position	4322.00 4327.00 4332.00	Accum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool		1.00 5.00 5.00 5.00 2.00 5.00	Serial No.	Position	4322.00 4327.00 4332.00 4337.00 4339.00 4344.00	Accum. Lengths 27.00	Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer Packer		1.00 5.00 5.00 5.00 2.00 5.00 4.00	Serial No.	Position	4322.00 4327.00 4332.00 4337.00 4339.00 4344.00 4348.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00			4322.00 4327.00 4332.00 4337.00 4339.00 4344.00 4348.00 4349.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4344.00 4348.00 4349.00 4349.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00			4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder Perforations	2	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 0.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4369.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub	2	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 0.00 1.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4369.00 4369.00		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	20	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 0.00 1.00 3.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4369.00 4369.00 4370.00		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	21	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 1.00 3.00 1.00	8365	Inside	4322.00 4327.00 4332.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4369.00 4369.00 4370.00 4433.00 4434.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	21	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 0.00 1.00 3.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4369.00 4369.00 4370.00		Bottom Of Top Packe Bottom Packers & Ancho

A MAN I MILLON		ILL STEM TEST REPO	RT	FLU	JID SUMMARY
RILOBI	Palon	ino Petroleum	8-18s-25w N	less,KS	
ESTI		SE 84th St.	BBR #1		
	New t	on KS 67114	Job Ticket: 59	130 <b>D</b> S	ST#: 2
	ATTN	: Ryan Seib	Test Start: 20	14.07.17 @ 07:39	:00
Mud and Cushion Info	rmation				
Mud Type: Gel Chem	(m. 1	Cushion Type:		Dil API:	0 deg API
Mud Weight: 9.00 lb. Viscosity: 54.00 se	-	Cushion Length: Cushion Volume:	ft V bbl	Vater Salinity:	0 ppm
Water Loss: 6.79 in		Gas Cushion Type:			
,	hm.m	Gas Cushion Pressure:	psig		
Salinity: 2100.00 pp Filter Cake: 1.00 in					
Recovery Information				······································	
r		Recovery Table			
	Length ft	Description	Volume bbl		
	5.00	Mud 100m (oil spots)	0.025		
Tota	al Length:	5.00 ft Total Volume: 0.025	5 bbl		
	n Fluid Samples: 0	Num Gas Bombs: 0	Serial #:		
	oratory Name: overy Comments:	Laboratory Location:			
	,				

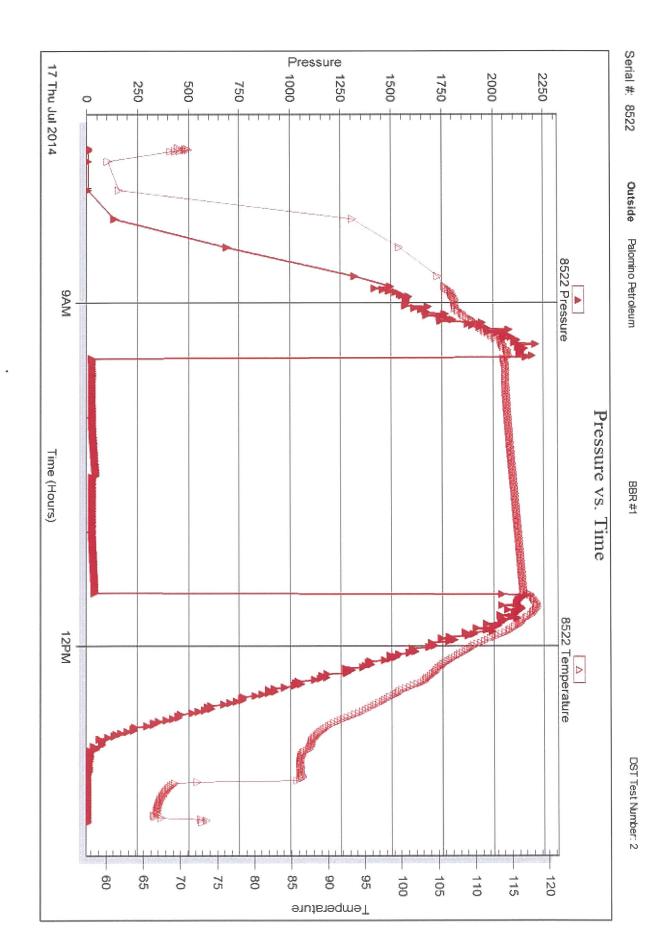
Ref. No: 59130

Trilobite Testing, Inc



Ref. No: 59130

Trilobite Testing, Inc





# DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

#### **BBR** #1

#### 8-18s-25w Ness,KS

Start Date: 2014.07.17 @ 20:53:00 End Date: 2014.07.18 @ 02:30:30 Job Ticket #: 59131 DST #: 3

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

	DRILL STEM TES	T REP	ORT			ï	
RILOBITE	Palomino Petroleum		8-18s	s-25w ľ	Vess,KS		
ESTING , INC	4924 SE 84th St. New ton KS 67114		BBR	<b>#1</b> cket: 59	101	DST#: 3	
	ATTN: Ryan Seib				14.07.17 @		
· / <b>Fig. 44</b> []. '			leste	5tan. 20	14.07.17 @	20.33.00	
GENERAL INFORMATION:							
Formation:     Mississippian       Deviated:     No       Time Tool Opened:     22:17:15       Time Test Ended:     02:30:30	ft (KB)		Test T Tester Unit N	r: E	Conventiona Bradley Wal	al Bottom Hol Iter	e (Reset)
nterval: 4348.00 ft (KB) To 44			Refere	ence Ele	vations:	2507.00	
Total Depth: 4459.00 ft (KB) (T				KD +	o GR/CF:	2502.00 5.00	
Hole Diameter: 7.88 inches Hole	e Condition: Good			KB (		5.00	TL
Serial #:         8522         Outside           Press@RunDepth:         67.19 psig           Start Date:         2014.07.17           Start Time:         20:53:05	<ul> <li>@ 4349.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2014.07.18 02:30:29	Capacity: Last Calib.: Time On Bt Time Off Bt	m: 2	2014.07.17	8000.00 2014.07.18 @ 22:16:45 @ 00:20:00	psig
TEST COMMENT: IF: 1" blow . ISI: No return. FF: 1/2" blow . FSI: No return.							
Pressure vs. 7	fine ticz ierostwe				RE SUMM		
2270 All All All All All All All All All Al	2622 Temperature	Time (Min.)	1 1	Temp (deg F)	Annotati	on	
200	110	0		108.82	Initial Hydr	o-static	
		1		108.30			
1500		30 61		109.99 110.75			
			(	110.60			
		92			Shut-In(2)		
		123	1 1		End Shut- Final Hydr		
TTU M274 P TTTE (100) Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)		Ι	Choke (i		ure (psig) Ga	is Rate (Mcf/d)
70.00 ocm 10o 90m	0.34	<b></b>			L		
25.00 oil 100o	0.12						
* Recovery from multiple tests		1					

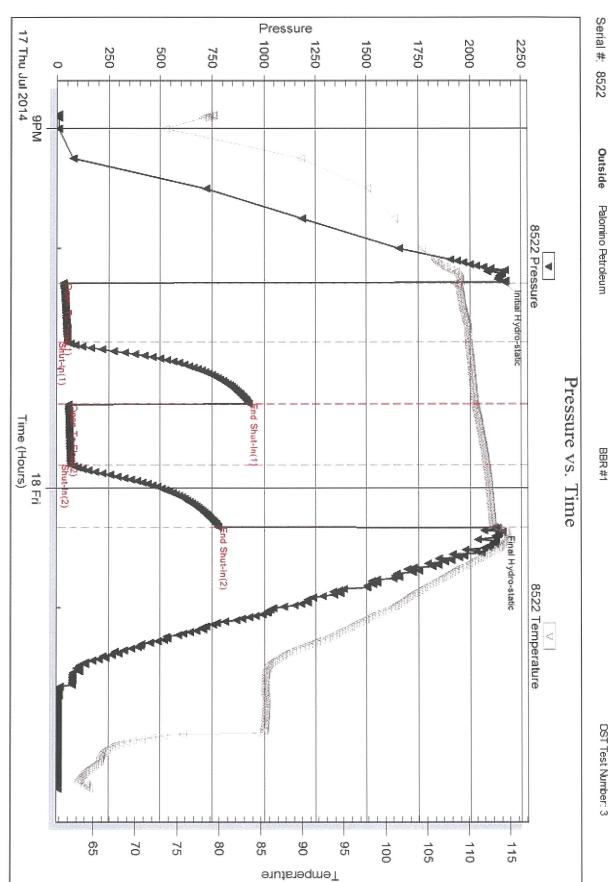
014.07.18 L 02:30:29 T	BBR #1 Job Ticke Test Star Test Star Test Type Tester: Unit No: Reference Capacity: Last Calib.: Time On Btm: Time Off Btm:	et: 59131 t: 2014.07.17 ( e: Conventior Bradley Wa 69 ce Elevations: KB to GR/CF:	al Bottom Hole (Reset)
014.07.18 L 02:30:29 T	Job Ticke Test Star Test Star Unit No: Reference Capacity: Last Calib.: Time On Btm: Time Off Btm:	et: 59131 t: 2014.07.17 ( e: Conventior Bradley Wa 69 ce Elevations: KB to GR/CF:	@ 20:53:00 hal Bottom Hole (Reset) alter 2507.00 ft (KB) 2502.00 ft (CF) 5.00 ft 8000.00 psig
014.07.18 L 02:30:29 T	Test Star Test Type Tester: Unit No: Reference Capacity: Last Calib.: Time On Btm: Time Off Btm:	t: 2014.07.17 ( e: Conventior Bradley Wa 69 ce Elevations: KB to GR/CF:	@ 20:53:00 hal Bottom Hole (Reset) alter 2507.00 ft (KB) 2502.00 ft (CF) 5.00 ft 8000.00 psig
014.07.18 L 02:30:29 T	Tester: Unit No: Reference Capacity: Last Calib.: Time On Btm: Time Off Btm:	Bradley Wa 69 ce Elevations: KB to GR/CF:	alter 2507.00 ft (KB) 2502.00 ft (CF) 5.00 ft 8000.00 psig
014.07.18 L 02:30:29 T	Tester: Unit No: Reference Capacity: Last Calib.: Time On Btm: Time Off Btm:	Bradley Wa 69 ce Elevations: KB to GR/CF:	alter 2507.00 ft (KB) 2502.00 ft (CF) 5.00 ft 8000.00 psig
014.07.18 L 02:30:29 T	Capacity: Last Calib.: Time On Btm: Time Off Btm:	KB to GR/CF:	2502.00 ft (CF) 5.00 ft 8000.00 psig
014.07.18 L 02:30:29 T	Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig
014.07.18 L 02:30:29 T	Last Calib.: Time On Btm: Time Off Btm:		
		SURE SUM	
Time Pre		mp Annota	
(Min.) (j	(psig) (de	ig F)	
		Gas Rates	
	C	Choke (inches) Pres	sure (psig) Gas Rate (Mcf/d
	<u> </u>		

心理》 L	RILOE			o Petroleum			8-18s-25w Ness	s,KS	
	ES7	'ING , INC	4924 SI	E 84th St.			BBR #1		
	4		1 102 101	KS 67114			Job Ticket: 59131		DST#: 3
				Byon Soib				717@	
			ATTN.	Ryan Seib			Test Start: 2014.07	7.17 W	20.55.00
Tool Informatior	n								
Drill Pipe:	Length:	4226.00 ft	Diameter:	3.80 ind	ches Volume:	59.28 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 ind	ches Volume:	0.00 bbl	Weight set on P	Packer:	25000.00 lb
Drill Collar:	Length:	121.00 ft	Diameter:	-	ches Volume:	0.60 bbl		oose:	
Drill Pipe Above Kl	B∙	26.00 ft			Total Volume:	59.88 bbl			0.00 ft
Depth to Top Pack		4348.00 ft					String Weight: I		60000.00 lb
Depth to Bottom Pa		ft					ŀ	Final	60000.00 lb
nterval between f		111.00 ft							
Tool Length:		138.00 ft							
Number of Packers	s:	2	Diameter:	6.75 ind	ches				
	n	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths		
Tool Description		Le	<b>ngth (ft)</b> 1.00	Serial No.	Position	<b>Depth (ft)</b> 4322.00	Accum. Lengths		
<b>Tool Descriptio</b> Change Over Sub		Le		Serial No.	Position		Accum. Lengths		
<b>Tool Descriptio</b> r Change Over Sub Shut In Tool		Le	1.00	Serial No.	Position	4322.00	Accum. Lengths		
<b>Tool Descriptio</b> Change Over Sub Shut In Tool Hydraulic tool		Le	1.00 5.00	Serial No.	Position	4322.00 4327.00	Accum. Lengths		
<b>Tool Description</b> Change Over Sub Shut In Tool Hydraulic tool Jars		Le	1.00 5.00 5.00	Serial No.	Position	4322.00 4327.00 4332.00	Accum. Lengths		
<b>Tool Description</b> Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		Le	1.00 5.00 5.00 5.00 2.00 5.00	Serial No.	Position	4322.00 4327.00 4332.00 4337.00 4339.00 4344.00	Accum. Lengths		Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Le	1.00 5.00 5.00 5.00 2.00 5.00 4.00	Serial No.	Position	4322.00 4327.00 4332.00 4337.00 4339.00 4344.00 4348.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Le	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00			4322.00 4327.00 4332.00 4337.00 4339.00 4344.00 4348.00 4349.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		Le	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4344.00 4348.00 4349.00 4349.00			Bottom Of Top Packe
Tool Description 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			4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4348.00 4349.00 4349.00			Bottom Of Top Packe
Tool Description 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 10.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4348.00 4349.00 4349.00 4349.00 4349.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub		Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 10.00 1.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4359.00 4360.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 10.00 1.00 95.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4359.00 4360.00 4455.00			Bottom Of Top Packe
Tool Description 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		Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 10.00 1.00 95.00 1.00	8365	Inside	4322.00 4327.00 4332.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4359.00 4359.00 4359.00 4360.00 4455.00	27.00		
Tool Description 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 10.00 1.00 95.00	8365	Inside	4322.00 4327.00 4332.00 4337.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4359.00 4360.00 4455.00		Bott	Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Packer Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		Le Length:	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 10.00 1.00 95.00 1.00	8365	Inside	4322.00 4327.00 4332.00 4339.00 4339.00 4344.00 4349.00 4349.00 4349.00 4349.00 4359.00 4359.00 4359.00 4360.00 4455.00	27.00	Bott	

	TRILOBITE	DRIL	L STEM TEST REF	PORT			FLUID SUMMARY
海道			Petroleum		8-18s-25w	Ness,KS	
ESTING , INC		84th St. KS 67114		BBR #1 Job Ticket: 59	101	DCT# 0	
		ATTN: I	Ryan Seib			)14.07.17 @ 20	DST#: 3 D:53:00
Mud and Cu	Ishion Information		•				
	el Chem		Cushion Type:			Oil A PI:	36 deg API
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:	0 ppm
√iscosity:	52.00 sec/qt		Cushion Volume:		bbl		
Water Loss:	7.59 in <sup>3</sup>		Gas Cushion Type:				
Resistivity:	ohm.m		Gas Cushion Pressure:		psig		
Salinity: Filter Cake:	2300.00 ppm 1.00 inches						
Recovery In	formation						
	[	th	Recovery Table				
	Lengi ft		Description		Volume bbl		
			ocm 10o 90m oil 100o		0.344		
		<u>25.00   0</u> 95.0			0.123		
	Total Length:			.407 DDI	Carialt		
	Num Fluid Samp Laboratory Nam		Num Gas Bombs: 0 Laboratory Location:		Serial #:		
	Laboratory rian						
	Recovery Com						

Ref. No: 59131

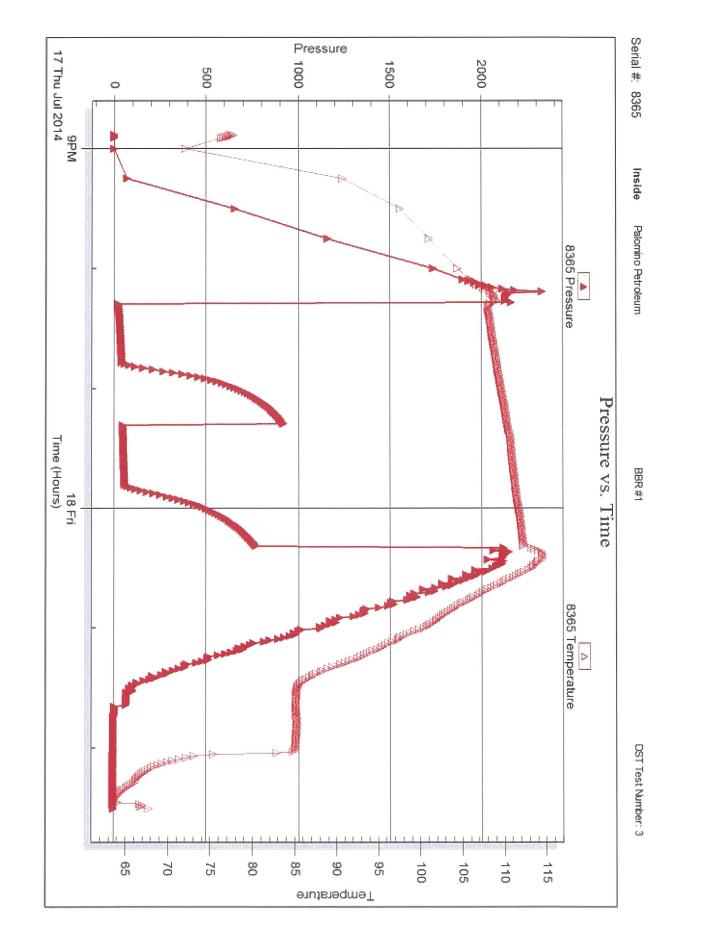
Tritobite Testing, Inc





Ref. No: 59131

Trilobite Testing, Inc





# DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St. Newton KS 67114

ATTN: Ryan Seib

#### BBR #1

#### 8-18s-25w Ness,KS

 Start Date:
 2014.07.18 @ 14:10:00

 End Date:
 2014.07.18 @ 20:19:15

 Job Ticket #:
 59132
 DST #: 4

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

	<b>RILOBITE</b>	Palomino Petroleum			8_1	8s-25w	Ness,KS		
面	ESTING , INC								
	i andri i ridde brygen. I	4924 SE 84th St. New ton KS 67114				R #1	122	DOT#- 4	
						Ticket: 59		DST#:4	
		ATTN: Ryan Seib			Test	t Start: 20	)14.07.18 @	) 14:10:00	
GENERAL	INFORMATION:								
Formation:	Ft Scott						o		( <b>m</b> )
Deviated:	No Whipstock: ened: 15:53:45	ft (KB)			Tes	• •	Conventiona Bradley Wal	al Bottom Hok	e (Reset
	ded: 20:19:15				Unit		69		
Interval:	4310.00 ft (KB) To 44	169.00 ft (KB) (TVD)			Refe	erence Ele	evations:	2507.00	ft (KB)
Total Depth:	4551.00 ft (KB) (T	/D)						2502.00	ft (CF)
Hole Diamete	r: 7.88 inchesHole	e Condition: Good				KB t	o GR/CF:	5.00	ft
Serial #:									
Press@RunE				0440740	Capacity			8000.00	psig
Start Date: Start Time:	2014.07.18 14:10:05	End Date: End Time:	2	2014.07.18 20:19:14	Last Calil Time On			2014.07.18 @ 15:53:30	
	14.10.00			20.13.14	Time Off			@ 18:14:00	
-	Pressure vs. 7	5305 (mposture	+	Time	Pressure	Temp	RE SUMM		
-	5005 Pressure	Flant Hydro-static	t	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotatio	n	
2000		THE I	129	0	2247.99	118.61	Initial Hydr	o-static	
-			110	1	98.75	117.41	1 .		
1500			125	37 73	146.36 1013.82	118.63	Shut-In(1) End Shut-I		
				73 78	159.48		Open To F		
-			Temperature 13 55	108	165.42		Shut-In(2)		
1000			deg F)	140	908.94	121.03	1		
ļ ,	¥		85	141	2282.75	121.85	Final Hydr	o-static	
- pro-									
500 <b>F</b>			<b>5</b> 2				1		
- pro-			80 75						
- pro-			- 75 - 75 - 70						
	394 Trreptury		83 75 70						
	3%4 Tree (Hum) Recovery		82 75 70			Ga	s Rates		
500 500 500 500 500 500 500 500	Three (Haurs) Recovery Description	Volume (bbl)	80 75 79			Ga Choke (	··· · · ·	ure (psig) Ga	s Rate (Mc
550	Recovery Description gocm 50g 20o 30m	Volume (bbl) 0.59	80 75 70				··· · · ·	ure (psig) Ga	s Rate (Mc
SFi M2H	Recovery Description goom 50g 20o 30m goom 20g 20o 60m	Volume (bbl) 0.59 0.97	50 75 70				··· · · ·	ure (psig) Ga	s Rate (Mc
556 A 22M	Recovery Description gocm 50g 20o 30m	Volume (bbl) 0.59	75				··· · · ·	ure (psig) Ga	s Rate (Mc
SFi M2H	Recovery Description goom 50g 20o 30m goom 20g 20o 60m	Volume (bbl) 0.59 0.97	75 73 70				··· · · ·	ure (psig) Ga	s Rate (Mc
SFi M2H	Three (Haurs)           Recovery           Description           gocm 50g 20o 30m           gocm 20g 20o 60m           120' GIP	Volume (bbl) 0.59 0.97	53 75 70				··· · · ·	ure(psig) Ga	s Rate (Mc

	DRILL STEM TES	ST REPO	DRT		
RILOBITE	Palomino Petroleum		8-18s-25w	v Ness,KS	
ESTING , INC	4924 SE 84th St.		BBR #1		
	New ton KS 67114		Job Ticket:	59132	DST#:4
<b>NOK</b> .	ATTN: Ryan Seib		Test Start:	2014.07.18 @	14:10:00
GENERAL INFORMATION:					
Formation:Ft ScottDeviated:NoWhipstock:Time Tool Opened:15:53:45Time Test Ended:20:19:15	ft (KB)		Test Type: Tester: Unit No:	Conventional Bradley Walt 69	Bottom Hole (Reset) er
Interval:         4310.00 ft (KB) To         44           Total Depth:         4551.00 ft (KB) (Tv           Hole Diameter:         7.88 inchesHole			Reference I	∃evations: 3 to GR/CF:	2507.00 ft (KB) 2502.00 ft (CF) 5.00 ft
Serial #: 8677InsidePress@RunDepth:psigStart Date:2014.07.18Start Time:14:10:05TEST COMMENT:IF: BOB @ 18 mirISI: No return.FF: 8" blow .FSI: No return.FSI: No return.	End Date: End Time:	2014.07.18 20:18:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2014.07.18
Pressure vs. T		T	PRESSU	JRE SUMM	ARY
223 223 223 223 223 223 223 223	BUT Frequencies BUT Frequencies 10 10 10 10 10 10 10 10 10 10		Pressure Temp (psig) (deg F		n
Recovery			G	as Rates	
Length (ft)         Description           120.00         gocm 50g 20o 30m	Volume (bbl) 0.59		Choł	e (inches) Pressu	re (psig) Gas Rate (Mcf/d)
70.00         gocm 20g 200 60m	0.97				
0.00 120' GIP	0.00				
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 59132		Printe	d: 2014.07.21	@ 10:13:29

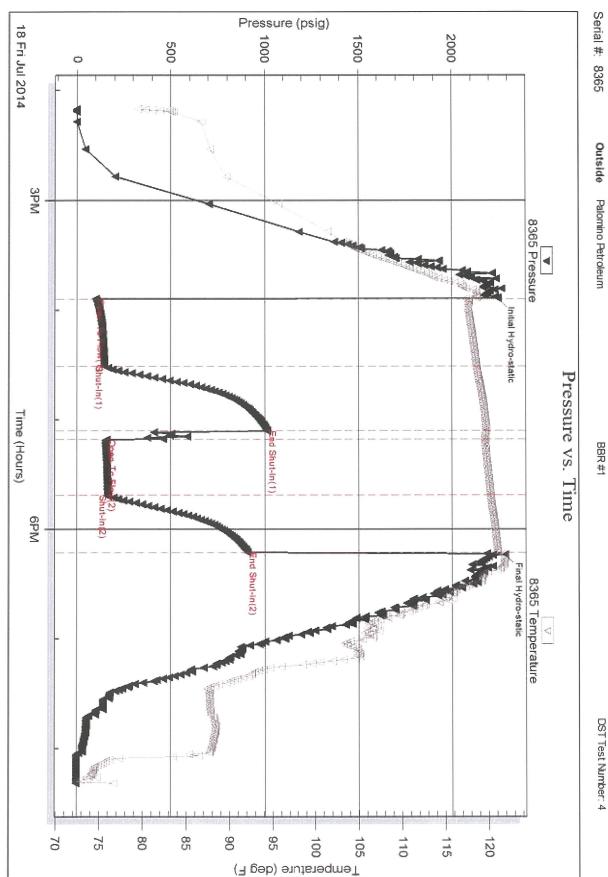
	DRILL STEM TES	T REPC	DRT		
RILOBITE	Palomino Petroleum		8-18s-25w	/Ness,KS	
ESTING , INC	4924 SE 84th St.		BBR #1		
	New ton KS 67114		Job Ticket:	59132	DST#:4
	ATTN: Ryan Seib		Test Start:	2014.07.18 @	14:10:00
GENERAL INFORMATION:					
Formation:Ft ScottDeviated:NoWhipstock:Time Tool Opened:15:53:45Time Test Ended:20:19:15	ft (KB)		Test Type: Tester: Unit No:	Conventional Bradley Walt 69	Bottom Hole (Reset) er
Interval:         4310.00 ft (KB) To         44           Total Depth:         4551.00 ft (KB) (T         4551.00 ft (KB) (T           Hole Diameter:         7.88 inchesHole			Reference I	∃evations: B to GR/CF:	2507.00 ft (KB) 2502.00 ft (CF) 5.00 ft
Serial #:8522Below (StradPress@RunDepth:psigStart Date:2014.07.18Start Time:14:10:05		2014.07.18 20:19:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2	8000.00 psig 2014.07.18
TEST COMMENT: IF: BOB @ 18 min ISI: No return. FF: 8" blow . FSI: No return.	1.				
Pressure vs. T 522 Pressure	ime 5522 Torporature			JRE SUMM	
СС Реше 220 300 170 170 170 170 170 170 170 1	B22 (Introduce		Pressure Temp (psig) (deg F		n
Recovery			G	as Rates	
Length (ft) Description	Volume (bbl)		Chok	e (inches) Pressu	re (psig) Gas Rate (Mcf/d)
120.00         gocm 50g 20o 30m           70.00         gocm 20g 20o 60m	0.59				
0.00 120' GIP	0.00				
A Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 59132	<u> </u>		ed: 2014.07.21	- 40.40.00

AND TOU OD		ILL STE	M TEST	REPOR	Ι.Τ.	TOOL DIAGRAI
RILOB	Palomi	no Petroleum			8-18s-25w Ness,KS	
EST	ING, INC 4924 S	SE 84th St.			BBR #1	
	101111	on KS 67114			Job Ticket: 59132	DST#:4
	ATTN	Ryan Seib			Test Start: 2014.07.18 @	
սյաշվ.						
Tool Information						
• –	4194.00 ft Diameter		ches Volume:	58.83 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Length:	0.00 ft Diameter		ches Volume:	0.00 bbl	Weight set on Packer: Weight to Pull Loose:	
Drill Collar: Length:	121.00 ft Diameter	•	ches Volume: Total Volume:	0.60 bbl 59.43 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft		rolar volume.	09.40 DDI	String Weight: Initial	60000.00 lb
	4310.00 ft				Final	62000.00 lb
Depth to Bottom Packer:	ft					
Interval between Packers:	242.00 ft 269.00 ft					
Tool Length: Number of Packers:	269.00 ft 2 Diameter	:: 6.75 in	ches			
Tool Comments:		. 0.70 m	0.100			
Fool Description		Serial No.	Position		Accum. Lengths	
Change Over Sub	1.00			4284.00		
Shut In Tool	5.00			4289.00		
Hydraulic tool	5.00			4294.00		
Jars	5.00			4299.00		
Safety Joint	2.00			4301.00		
Packer	5.00			4306.00	27.00	Bottom Of Top Packer
Packer	4.00			4310.00		
Stubb	1.00			4311.00		
Recorder	0.00	8677	Inside	4311.00		
Recorder	0.00	8365	Outside	4311.00		
Perforations	10.00			4321.00		
Change Over Sub	1.00			1000 00		
	1.00			4322.00		
Drill Pipe	127.00			4322.00 4449.00		
•						
Drill Pipe Change Over Sub Perforations	127.00			4449.00		
Change Over Sub	127.00 1.00 15.00 1.00			4449.00 4450.00		
Change Over Sub Perforations	127.00 1.00 15.00			4449.00 4450.00 4465.00		
Change Over Sub Perforations Blank Off Sub	127.00 1.00 15.00 1.00 3.00 1.00			4449.00 4450.00 4465.00 4466.00	242.00	Tool Interva
Change Over Sub Perforations Blank Off Sub Packer Blank Spacing	127.00 1.00 15.00 1.00 3.00			4449.00 4450.00 4465.00 4466.00 4469.00	242.00	Tool Interva
Change Over Sub Perforations Blank Off Sub Packer Blank Spacing Packer	127.00 1.00 15.00 1.00 3.00 1.00			4449.00 4450.00 4465.00 4466.00 4469.00 4470.00	242.00	Tool Interva
Change Over Sub Perforations Blank Off Sub Packer Blank Spacing Packer Perforations	127.00 1.00 15.00 1.00 3.00 1.00 5.00			4449.00 4450.00 4465.00 4466.00 4469.00 4470.00 4475.00	242.00	Tool Interva
Change Over Sub Perforations Blank Off Sub Packer Blank Spacing Packer Perforations Change Over Sub	127.00 1.00 15.00 1.00 3.00 1.00 5.00 9.00	8522	Below	4449.00 4450.00 4465.00 4466.00 4469.00 4470.00 4475.00 4484.00	242.00	Tool Interva
Change Over Sub Perforations Blank Off Sub Packer	127.00 1.00 15.00 1.00 3.00 1.00 5.00 9.00 1.00	8522	Below	4449.00 4450.00 4465.00 4469.00 4469.00 4470.00 4475.00 4484.00 4485.00	242.00	Tool Interva
Change Over Sub Perforations Blank Off Sub Packer Blank Spacing Packer Perforations Change Over Sub Recorder Drill Pipe	127.00 1.00 15.00 1.00 3.00 1.00 5.00 9.00 1.00 0.00	8522	Below	4449.00 4450.00 4465.00 4469.00 4469.00 4470.00 4475.00 4485.00 4485.00	242.00	Tool Interva
Change Over Sub Perforations Blank Off Sub Packer Blank Spacing Packer Perforations Change Over Sub Recorder	127.00 1.00 15.00 1.00 3.00 1.00 5.00 9.00 1.00 0.00 63.00	8522	Below	4449.00 4450.00 4465.00 4466.00 4469.00 4470.00 4475.00 4485.00 4485.00 4548.00		Tool Interva

Image: Contract of the contract	DST#:4 18 @ 14:10:00 0 deg API
New ton KS 67114       Job Ticket: 59132         ATTN: Ryan Seib       Test Start: 2014.07.         Mud and Cushion Information       Use Start: 2014.07.         Mud Type:       Gel Chem       Cushion Type:       Oil API:         Mud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Start:         Viscosity:       53.00 sec/qt       Cushion Volume:       bbl       bbl         Water Loss:       7.59 in <sup>3</sup> Gas Cushion Type:       Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       4200.00 ppm       Filter Cake:       1.00 inches       Fecovery Table       Ecovery Table         Total Length       Description       Volume         120.00       gocm 50g 20o 30m       0.973       0.00         0.00       120' GIP       0.000       0.973       0.00         Total Length:       190.00 ft       Total Volume:       1.563 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:	18 @ 14:10:00 0 deg API
ATTN: Ryan Seib       Test Start: 2014.07.         Mud and Cushion Information       Mud Type: Gel Chem       Cushion Type:       Oil API:         Mud Vieight:       9.00 lb/gal       Cushion Length:       ft       Water Start: 2014.07.         Mud Vieight:       9.00 lb/gal       Cushion Type:       Oil API:         Mud Vieight:       9.00 lb/gal       Cushion Length:       ft       Water Start: 2014.07.         Viscosity:       53.00 sec/qt       Cushion Volume:       bbl       Viscosity:       Viscosity:       ft       Water Start: 2014.07.         Water Loss:       7.59 in³       Gas Cushion Volume:       bbl       Viscosity:       Resistivity:       ohn.m       Gas Cushion Type:       Resistivity:       psig       Salinity:       4200.00 ppm         Filter Cake:       1.00 inches       Ength       Description       Volume       Volume         Recovery Table         Length       Description       0.00m       0.590         120.00       gocm 50g 20o 30m       0.590       0.973         0.00       120'GIP       0.000       0.000         Total Length:       190.00 ft       Total Volume:       1.563 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Seria	18 @ 14:10:00 0 deg API
Mud Type: Gel Chem Cushion Type: Oil APi: Mud Weight: 9.00 lb/gal Cushion Length: ft Water S Viscosity: 53.00 sec/qt Cushion Volume: bbl Water Loss: 7.59 in <sup>3</sup> Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 4200.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table Kecovery Information       Volume bbl         Length       Description       Volume bbl         120.00       gocm 50g 20o 30m       0.590         70.00       gocm 20g 20o 60m       0.973         0.00       120' GIP       0.000         Total Length:       190.00 ft       Total Volume:       1.563 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:	-
Mud Type: Gel Chem Cushion Type: Oil APi: Mud Weight: 9.00 lb/gal Cushion Length: ft Water S Viscosity: 53.00 sec/qt Cushion Volume: bbl Water Loss: 7.59 in <sup>3</sup> Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 4200.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Information Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	-
Mud Weight:       9.00 lb/gal       Cushion Length:       ft       Water S         Viscosity:       53.00 sec/qt       Cushion Volume:       bbl       bbl         Water Loss:       7.59 in <sup>3</sup> Gas Cushion Type:       gas Cushion Pressure:       psig         Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       4200.00 ppm       Filter Cake:       1.00 inches         Recovery Information         Recovery Table         Length       Description       Volume         ft       120.00       gocm 50g 20o 30m       0.590         70.00       gocm 20g 20o 60m       0.973       0.000         Total Length:       190.00 ft       Total Volume:       1.563 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:	-
Viscosity: 53.00 sec/qt Cushion Volume: bbl Water Loss: 7.59 in <sup>3</sup> Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 4200.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table Recovery Information         Recovery Table         Length       Description       Volume         120.00       gocm 50g 20o 30m       0.590         70.00       gocm 20g 20o 60m       0.973         Total Length:       190.00 ft       Total Volume:       1.563 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:	
Water Loss:       7.59 in³       Gas Cushion Type:         Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       4200.00 ppm       Filter Cake:       1.00 inches         Recovery Information         Recovery Table         Length       Description       Volume         ft       120.00       gocm 50g 20o 30m       0.590         70.00       gocm 20g 20o 60m       0.973       0.000         Total Length:       190.00 ft       Total Volume:       1.563 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:	
Resistivity:       ohm.m.       Gas Cushion Pressure:       psig         Salinity:       4200.00 ppm         Filter Cake:       1.00 inches         Recovery Information         Recovery Table         Length       Description       Volume bbl         120.00       gocm 50g 20o 30m       0.590         70.00       gocm 20g 20o 60m       0.973         0.00       120'GIP       0.000         Total Length:       190.00 ft       Total Volume:       1.563 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:	
Salinity: 4200.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume bbl 120.00 gocm 50g 20o 30m 0.590 120.00 gocm 20g 20o 60m 0.973 0.00 120' GIP 0.000 Total Length: 190.00 ft Total Volume: 1.563 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Filter Cake:       1.00 inches         Recovery Information         Length       Description       Volume         120.00       gocm 50g 20o 30m       0.590         120.00       gocm 20g 20o 60m       0.973         0.00       120' GIP       0.000         Total Length:       190.00 ft       Total Volume:       1.563 bbl         Num Fluid Samples:       0       Serial #:       Laboratory Name:       Laboratory Location:	
Recovery TableLength ftDescriptionVolume bbl120.00 9 gocm 50g 200 30m0.590120.00 9 gocm 20g 200 60m0.9730.00120' GIP0.000Total Length:190.00 ftTotal Volume:1.563 bblNum Fluid Samples:0Serial #: Laboratory Name:Laboratory Location:	
Length ftDescriptionVolume bbl120.00gocm 50g 20o 30m0.59070.00gocm 20g 20o 60m0.9730.00120' GIP0.000Total Length:190.00 ftTotal Volume:1.563 bblNum Fluid Samples:0Num Gas Bombs:0Laboratory Name:Laboratory Location:Serial #:	
ft         bbl           120.00         gocm 50g 20o 30m         0.590           70.00         gocm 20g 20o 60m         0.973           0.00         120' GIP         0.000           Total Length:         190.00 ft         Total Volume:         1.563 bbl           Num Fluid Samples: 0         Num Gas Bombs:         0         Serial #:           Laboratory Name:         Laboratory Location:         Volume:         1.563 bbl	
70.00         gocm 20g 20o 60m         0.973           0.00         120' GIP         0.000           Total Length:         190.00 ft         Total Volume:         1.563 bbl           Num Fluid Samples: 0         Num Gas Bombs:         0         Serial #:           Laboratory Name:         Laboratory Location:         Laboratory	
0.00     120' GIP     0.000       Total Length:     190.00 ft     Total Volume:     1.563 bbl       Num Fluid Samples:     0     Serial #:       Laboratory Name:     Laboratory Location:	
Total Length: 190.00 ft Total Volume: 1.563 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Laboratory Name: Laboratory Location:	
Recovery Comments:	

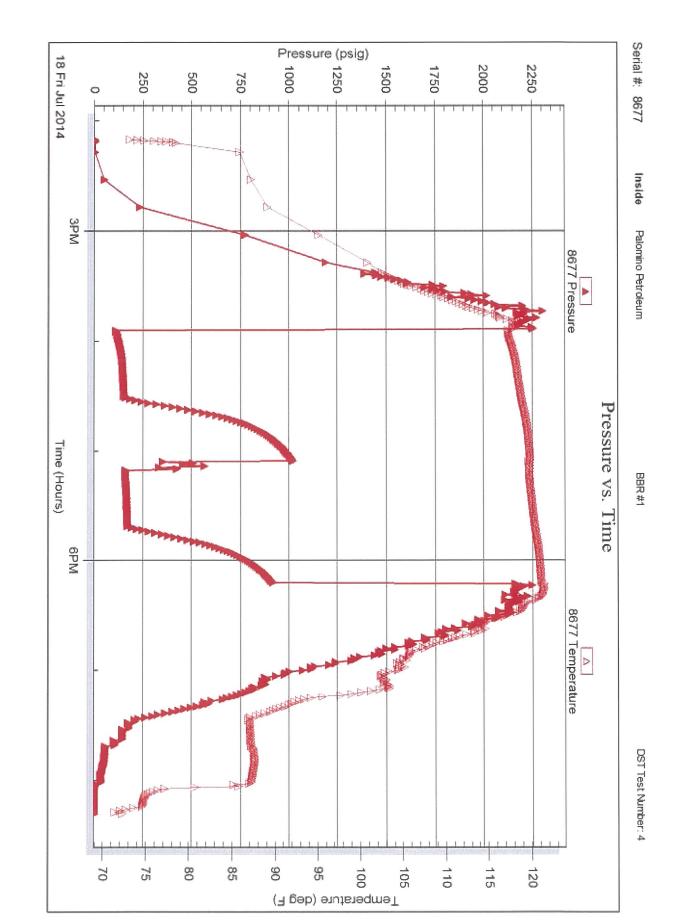
Ref. No: 59132

Trilobite Testing, Inc



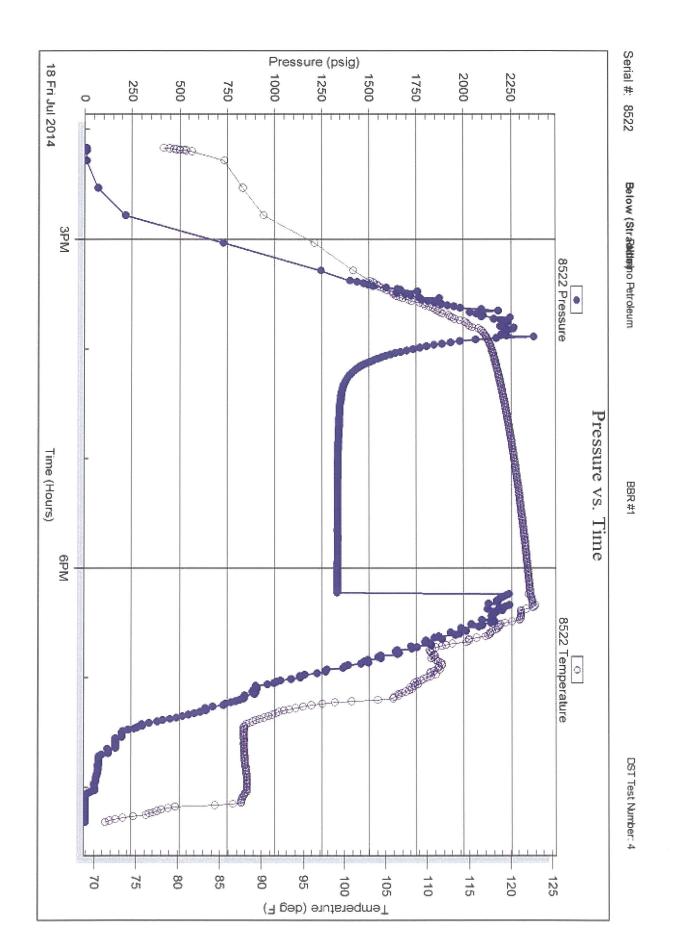
Ref. No: 59132

Tritobite Testing, Inc



Ref. No: 59132

Tritobite Testing, Inc



4/10 <b>RILOBITE</b> <b>ESTING INC.</b> 1515 Commerce Parkway	• Hays, Kansas 67601	<b>Test Ticket</b> NO. 59129	
Address 4924 SE 84th St Co. Rep/Geo. Ryan Seib	Elevation 	67114	GL
Interval Tested <u>4127 - 4270</u> Anchor Length <u>143</u> Top Packer Depth <u>4127</u> Bottom Packer Depth <u>4127</u> Total Depth <u>41270</u> Blow Description <u>IF' 1" blow</u> <u>TSI: No reform</u> FF WalSurface blow	Zone Tested Drill Pipe Run Drill Collars Run Wt. Pipe Run	<u>4004</u> <u>121</u> <u>121</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u> <u>125</u>	
FST     No     return       Rec     50     Feet of     MUD       Rec     Feet of	(076 Spees in tool) %gas %gas %gas	%oil %water % %oil %water %	<u>mud</u> <u>mud</u> mud
Rec       Feet of         Rec Total       SO       BHT       116         (A) Initial Hydrostatic       2040       (B) First Initial Flow       30	%gas	%oil         %water         %           @°F         Chlorides            T-On Location         0645	ppm
(C) First Final Flow       42         (D) Initial Shut-In       \$34         (E) Second Initial Flow       45         (F) Second Final Flow       52	Safety Joint75         Image75         Image76 A T         151.90	T-Open <u>1052</u> T-Pulled <u>1252</u> T-Out Comments	
(G) Final Shut-In       739         (H) Final Hydrostatic       2011         Initial Open       30         Initial Shut-In       30         Final Flow       30         Final Shut-In       30	<ul> <li>Sampler</li></ul>	Ruined Shale Packer     Ruined Packer     Extra Copies     Sub Total     Total     1726.90	

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1	10	X	3	3
4/10	1	4		

**RILOBITE** STING INC.

1515 Commerce Parkway · Hays, Kansas 67601

**Test Ticket** 

NO. 59130

P							
	MINO	Petroleum			2507	ate <u>7/17/1</u> KB <u>2502</u>	1
		E 84th sit	New ten	, (5 6	7114		
Co. Rep / Geo	ly an	Seib		RigU*	*8		
			_Rge. <u>25</u> :v	_Co	\$ N255	State <u>Ks</u>	
Interval Tested		4437	Zone Tested	Mississipp		_	
Anchor Length		<u> ૪૧'</u>	Drill Pipe Run	4226	s Muc	1 WI. <u>9.3</u>	an han a sa an
Top Packer Depth	434	3	Drill Collars Run	121	Vis	54	
Bottom Packer Depth	434	t <i>\$</i>	Wt. Pipe Run			6.8	
Total Depth	44		ChloridesŹ	2 <u>1_665</u> ppm	System LCN	M_12#	
Blow Description	ſŦ`.	Surface block,	ched @ 20mm	. 4100			
		No veturn.					
F	F:	No blow.			ungelangen vol af de anna an an de faite auf an that de anties all the Victor de Victor de Annie a de de Annie	An demonstration and movement and an enter a state of a state of a state of the state of the state of the state	
FS	I: 1	No return.					
Rec5	Feet of	MUD	• 	%gas	%oil	%water	%mud
Rec	Feet of	<u> </u>	K Spots	%gas	%oil	%water	%mud
Rec				%gas	%oil	%water	%mud
Rec	Feet of			%gas	%oil	%water	%mud
Rec	Feet of			%gas	%oil	%water	%mud
Rec Total	5	внт (6	Gravity	API RW@	F Ch	lorides	ppm
(A) Initial Hydrostatic_		2160	Test 1250		T-On Locati	ion <u>0720</u>	
(B) First Initial Flow		17	3 Jars 25	0	T-Started	0739	
(C) First Final Flow			Safety Joint	75		0929	
(D) Initial Shut-In		34	A-Circ Sub N/C			(159	
(E) Second Initial Flow	v	20	Hourly Standby			1332	
(F) Second Final Flow	1	20	XI Mileage <u>98 .c.</u>	т 151.90			
(G) Final Shut-In		32	Sampler				San
(H) Final Hydrostatic _		2134	Straddle		Ruined	Shale Packer	
			Shale Packer			Packer	
Initial Open		30	Extra Packer			copies	
Initial Shut-In		30	Extra Recorder				
Final Flow		30	Day Standby			726.90	
Final Shut-In		<u>30</u>	C Accessibility		MP/DST [		
				0	11	F	
					N IL	//	

Approved By \_\_\_\_\_\_\_ 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 desistained, 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.

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] 4/10		

RILOBITE ESTING INC.

1515 Commerce Parkway · Hays, Kansas 67601

**Test Ticket** 

NO. 59131

r		
Well Name & No	Test No	3 Date/18/14
Company Palomino Petroleum	Elevation	2507 KB 2502 GL
Address 4924 SF 84	#st Newton, Ks	67114
Co. Rep / Geo. Rear Selb		
		e Ness State Ks
Interval Tested 4348 4459		DIGCI
Anchor Length <u>4-3</u> [[]	Drill Pipe Run $4226$	~
Top Packer Depth 4 3 4 3		<b>ع</b> ليہ
Bottom Packer Depth4348		WL 7.6
Total Depth		
Blow Description I & low	1999 - 1997 - 19	Kaliufeiti käälisteetti vohkooryelääkkäiseen suukin aanuonemasin yvenye asuuonemasin yvenye asuuonemasin yvenye
TSI: No return:		
FF: 1/2" blow		
FSZ: No return		
Rec25Feet of0(1		00%oil %water %mud
Rec. 70 Feet of CCM	%gas	0 %oil %water 90 %mud
Rec Feet of	%gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec Total95BHT[13	Gravity 36 API RW @	°F Chloridesppm
(A) Initial Hydrostatic 2169	Test 1250	$\sim$ $\sim$ $\sim$ $\sim$
(B) First Initial Flow3 [	Jars 250	T-Started 20.53
(C) First Final Flow 5 (	Salety Joint 75	T-Open 22/7
(D) Initial Shut-In926	Circ Sub Mc	T-Pulled 0017 2/1
(E) Second Initial Flow 57	Hourly Standby	T-Out 0231
(F) Second Final Flow 67	Ø Mileage 98RT 151.90	Comments
(G) Final Shut-In 7 9	Gampler	
(H) Final Hydrostatic <u>2132</u>	G Straddle	Ruined Shale Packer
	Shale Packer	
Initial Open	Extra Packer	Ruined Packer
Initial Shut-In3 d	Extra Recorder	Extra Copies Sub Total 0
Final Flow 30	Day Standby	Total 1726.90
Final Shut-In 30	Accessibility	MP/DST Disc'i
	Sub Total <u>1726.90</u>	1 Africa

Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provide the second system         Image: Provide the second system       Image: Provi
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**Test Ticket** 

NO. 59132

Well Name & No	Test No.	Date7/18/14
company Palomino Petroleum	Elevation	2507 KB 2502 GL
Address 4924 SE 84th St	Nowton ks 67114	
Co. Rep/Geo. Ryan Seib		) #S
Location: Sec. 9 Twp. 195	Rge. 25 al Co. Neg	State KS
Interval Tested 4310 - 4469	Zone Tested F4_ Scott	
Anchor Length 15 q		Mud Wt. <u>7.2</u>
Top Packer Depth4305		Vis53
Bottom Packer Depth 4310 4461 51		WL 716
Total Depth 4551	Chlorides 4200 ppr	
Blow Description <u>JF' BOB @ 1500</u>	17	
JSI: No relurn		
FF: 8" blow		
FST: No retorn	7	
Rec. 70 Feet of GOC M	₹0 %gas	2. <sup>0</sup> %oil %water <b>&amp;</b> C %mu
Bec 120 Feet of	<b>7</b> () % gas (	2_0_%oil%water30%mu
Rec         Feet of         120 feet of           Rec         Feet of         120 feet of	%gas	%oil %water %mu
Rec Feet of (20 6	%gas	%oil %water %mu
Rec Feet of	%gas	%oil %water %mu
Rec Total 0( 0 BHT 2	Gravity API RW	@F Chloridesppr
(A) Initial Hydrostatic2こせる	Test 1250	T-On Location 1915
(B) First Initial Flow역 역	Jars 250	T-Started 1330
(C) First Final Flow (47	Safety Joint 75	T-Open1605
(D) Initial Shut-In [014	Sar Circ Sub N/C	T-Pulled 1825
(E) Second Initial Flow [59]	Hourly Standby	T-Out 2042
(F) Second Final Flow 165	Ж Mileage <u>98 г.</u> 151.90	Comments
(G) Final Shut-In 9 0 9	Sampler	
(H) Final Hydrostatic 2283	Straddle 600	Ruined Shale Packer
	Shale Packer 250	
Initial Open had 30	KExtra Packer250	
Initial Shut-In Slip problems 30	Extra Recorder	
Final Flow Times are off 30	Day Standby	
Final Shut-In 3 d	Accessibility	
	Sub Total 2826.90	- 1 1 1