Confidentiality Requested: Yes No

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

1167224

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 North / 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)
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:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
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 SWD	
Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
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 Twp S. 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	1167224
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTOLICTIONS. Chow important tang of formations panatrated. Do	tail all cares Ron	ort all final 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 She	aets)	Yes No	L	og Formatio	n (Top), Depth and	op), Depth and Datum							
Samples Sent to Geolog	,	Yes No	Nam	9		Тор	Datum						
Cores Taken Electric Log Run		Yes No											
List All E. Logs Run:													
				New Used urface, intermediate, production, 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 / SQU	EEZE 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)						
Does the volume of the tota	l base fluid of the hyd	raulic fracturing treatment ex	ceed 350,000 gallons	?Yes	No (If No, skip	, question 3)							
Was the hydraulic fracturing	treatment informatio	n submitted to the chemical c	lisclosure registry?	Yes	No (If No, fill c	out Page Three of	of the ACO-1)						

Shots Per Foot		PERFORATION Specify For	I RECOF	RD - Bridge Pli Each Interval P	ugs Set/Typ erforated	e			ement Squeeze Record d of Material Used)	Depth		
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner F		No			
Date of First, Resumed	d Product	ion, SWD or ENHF	? .	Producing Me	ethod:	ping	Gas Lift	Other (Explain)				
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity		
									1			
DISPOSIT	ION OF (GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTERVAL:			
Vented Sole	Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)											
(If vented, Su	ıbmit ACC	D-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	Norton-Quenzer 1
Doc ID	1167224

Tops

Name	Тор	Datum
Anhy.	1898	(+ 655)
Base Anhy.	1935	(+ 618)
Heebner	3842	(-1289)
Lansing	3880	(-1327)
ВКС	4197	(-1644)
Marmaton	4254	(-1704)
Pawnee	4317	(-1762)
Ft. Scott	4391	(-1838)
Cher. Sh.	4418	(-1865)
Miss. Dol.	4499	(-1946)
LTD	4629	(-2076)_



BILL TO

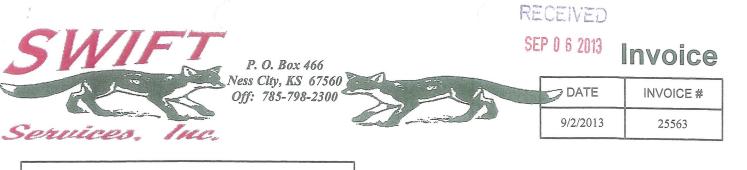
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827 RECEIVED

- SEP 1 3 2013
- Acidizing
- Cement
- Tool Rental

TERMS	Well N	Jo.	Lease	County	Contractor	We	ell Type Well (ell Category	Job Purpose		Operator		
Net 30	#1		Norton Quen	Ness	Express Well Serv		Oil	D	evelopment	Cement Port Co	llar	r Blaine		
PRICE	REF.			DESCRIPT		QTY		UM	UNIT PRICE		AMOUNT			
575D 576D-D 330 276 290 104 581D 583D		Pum Swi Floc D-A Port Serv Dray	.ir : Collar Tool Ren vice Charge Ceme yage	Standard (MID tal mt	CON II)		39	1 200 50 2 1 200	Miles Job Sacks Lb(s) Gallon(s) Each Sacks Ton Miles	6.00 1,500.00 17.00 2.00 42.00 2.00 1.00 6.15%		210.00 1,500.00 3,400.00T 100.00T 84.00T 250.00T 400.00 398.29 6,342.29 235.79		
We Ap	opred	cia	te Your B	Busines	5!		1		Tota			\$6,578.08		

LEGAL TERN the terms and but are not lin LIMITED WA MUST BE SIGNED START OF WORK C TATE SIGNED	184	330 2716 2290	PRICE EFERENCE	SERVICE LOCATIONS 1. ALLO CATION 3.
LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions. MUST BE SIGNED BY CUSTOMER OR CUSTOMERS AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS X A A A A A A A A A A A A		68	SECONDARY REFERENCE/	KS WELLPROJECT INCKET TYPE SALES WELL TYPE
PRIOR TO			LOC ACCT DF	CHARGE TO: ADDRESS CITY, STATE, ZIF CONTRACTOR
Inowledges and agrees to side hereof which include, EASE, INDEMNITY, and REMIT PAYMENT TO: SURVEY AGREE DIS- DIS- AGREE AGENT PRIOR TO SWIFT SERVICES, INC. P.O. BOX 466 NESS CITY, KS 67560 785-798-2300 SWIFT SERVICES, INC. P.O. BOX 466 NESS CITY, KS 67560 785-798-2300 OUR EQUIPMENT PERFORMED WITHOUT BREADOWN? OUR EQUIPMENT PERFORMED WITHOUT BREADOWN? CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES ADD SERVICES The customer hereby acknowledges receipt of the materials and services listed on this teket	Service Charge. Port 6 have Tool Perstel	From Charge SMD comment Plocela Dramant	MILEAGE	EASE NORTON JUGHZER NORTON JUGHZER NORTON JUGHZER NORTON JUGHZER NORTON JUGHZER NORTON JUGHZER NORTON JOB PURPOSE NORTON JOB PURPOSE JOB PURPOSE JOB PURPOSE JOB PURPOSE JOB PURPOSE
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	25	1000		Nº DATE 1) SEP WELL LOCATION
77 65 6 than	8	100 3400 00 200 200 00 200 200 00 200 200 00	AMOUNT	PAGE 0F 1 0F 1

SWIFT Services, Inc. DATEN SEP13 PAGENO. JOB-LOG CUSTOMP Palamiro Petoblen LEASE NORTON QUEMZER COMMIT Port collar TICKET NO. 2492 CHART NO. VOLUME (BBL) (GAL) PUMPS PRESSURE (PSI) RATE (BPM) TIME DESCRIPTION OF OPERATION AND MATERIALS TC TUBING CASING 2005k SMD w/ 4K Flocole 23×52 Porteollar 1918' 0930 onloc TRK114 1945 poit collar 46pm e 200 psi 1000 1000 4 8947 Z 200 Mix SMD cement @ 112 pg flind to sougace 4 0958 200 U 27 200 Cement to surface -Szoosk Mixed & Szoosk Mixed & 15 topit -Ù 108 400 1020 9 4 661 Dizplacement - H2D 360 1025 1000 1000 to 1000 ps; - held fest RUN 5. joints IOHÍN Reverse, hole clean 25 - 2 center & leas Wash Frick RACK up Job complete 1125 Holle Plint Blaine Isaac & Day Q



BILL TO

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	lo.	Lease	County	Contractor	We	II Туре	We	ell Category	Job Purpose	Operator
Net 30	#1		Norton-Quen	Ness	Pickrell Drilling #1		Oil	De	evelopment	5-1/2" LongStri	ng Jason
PRICE I	REF.			DESCRIPT	ION		QTY		UM	UNIT PRICE	AMOUNT
575D 578D-L 400-5 403-5 404-5 401-5 409-5 410-5 420 281 221 276 283 284 285 290 325 330 581D 583D		Pun 5 1/ 5 1/ 5 1/ 5 1/ 5 1/ 5 1/ 5 1/ 5 1/	eal l-1 ir dard Cement ft Multi-Density S rice Charge Ceme /age	t 866 Feet ith Auto Fill r Rental) Standard (MID nt	CON II)		40	$ \begin{array}{c} 1\\ 1\\ 2\\ 1\\ 1\\ 10\\ 1\\ 500\\ 4\\ 60\\ 500\\ 5\\ 50\\ 2.5\\ 100\\ 125\\ 225\\ \end{array} $	Miles Job Each Each Each Each Each Gallon(s) Gallon(s) Lb(s) Sack(s) Lb(s) Gallon(s) Sacks Sacks Sacks Ton Miles	6.00 1,500.00 200.00 285.00 2,650.00 160.00 90.00 100.00 200.00 1.25 25.00 0.20 35.00 4.00 42.00 14.00 17.00 2.00 1.00 5.15%	210.00 1,500.00 200.00T 570.00T 2,650.00T 160.00T 900.00T 100.00T 200.00T 100.00T 120.00T 100.00T 175.00T 200.00T 105.00T 1,400.00T 2,125.00T 450.00 400.22 12,290.22 598.40
We Ap	prec	cia	te Your E	Business				Tota	I	\$12,888.62	

SWIFT OPERATOR	THE SHARED SEP13	MUST BE SIGNED BY CUSTOME START OF WORK OR DELIVERY	LIMITED WARRANTY provisions	LEGAL TERMS: Custo the terms and conditions but are not limited to b	XC	221	209	AID	409	HDI	404	403	400	84.5	575	FERENCE	REFERRAL LOCATION	<i>4</i> .	2. 	1. NESS CETY	Services,	
and a second	TIME SIGN	MUST DE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS	LIMITED WARRANTY provisions.	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to DAYMENT DELEASE INDEMNITY and			A DAVIENT DE LA DELLE DELLE DE LA DELLE				VIETER NATURA NATURA NATURA NATURA NA ANA ANA ANA ANA ANA ANA ANA ANA AN	na meteo anticida da meteo de a na de concerna en enterna de la metro de la meteo de la meteo de la metro de la		ny falsa ny fanana na ana ana ana ana ana ana ana a		SECONDARY REFERENCE/ PART NUMBER	INVOICE INSTRUCTIONS	010	O F	WELL/PROJECT NO.	es, Inc.	
CUSIOMER ACCEPTANCE OF MATERIALS AND SERVICES	S B P.M.	The second second second second	WNITY, and	s and agrees to f which include,						1.7		0				LOC ACCT DF			RCKRELDRI		CITY, STATE, ZIP CODE	ADDRESS
1 Sala	mo	P.O. BOX 466 NESS CITY, KS 67560	SWIFT SERVICES INC	REMIT PAYMENT TO:	TLUG (IGHTAINER	IDUID KCL	MUD FLUSH	TOP PLUE	TURIBOLIZER	LUSERT FLOAT	PORT COLLAR	EMENT BASKE	Suide shoe	PUMP CHARGE	MILEAGE #115			DEVELOPMENT SI	ING RIGI	NORION-QUENZER		ALDMIND PE
The custom st hereby acknowledg		51			NER KEISIAC		4	na na mana na mana mana mana na na na na na na mana na		T WANTE FILL	ø	RET	Ć	IRGE		DESCRIPTION		SELANGSTRI	KIG NAME/NO.	COUNTRY MINISH		TROLEUM
		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE?	WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS	SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			2			<u></u>	all water fails of the Wall					QTY.	n de manten e a fore de van de foret de van de foret de la de l	NG	VIA			
res receipt of the materials and services listed on this ticket	CUSTOMER DID NOT WISH TO RESPOND	PMENT PMENT HOUR SERVICE?		RMED AGREE DECIDED	1 405	4 92	N KAZ	/¦A_]		100	1 FAL 18106	2 A	/ EA.	1 tos	Smil	Y. UM QTY.	n regen den geben men en verste verste verste het den segen en verste segen verste server verste verste verste	TTLEL I LIVET I IV.		TICA, KS.		
nis ticket	TOTAL	17 ess TAX 6.15/0	let of dus_	AGREE PAGE TOTAL	auc	al SC	1 23	100/as	\$06	14010	FT. 1265012	285 B	200) 2	1502) ¹⁰⁰	(d)	UNIT PRICE	n of the second s	ESIDE 45	WELL LOCATION	510	PAGE	
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	600	581	330	325-				 _		-		<i>390</i>	2005	186	283	SIT SI	REFERENCE SECONDARY REFERENCE/	Services. Inc.	SWIFT
																	LOC ACCT DF	Ness City, KS 67560 Off: 785-798-2300	PO Box 466
	CHARGE TOTAL WEIGHT		SMD REMENT	STANDARD GEMENT EA-2								D-AIR	GFRJ	CALSEAL	SALT	FLORELE	TIME DESCRIPTION	CUSTOMER TALOMINO PETROLEUM	TICKET CONTINUATION
CONTIN	TON MILES 400, 22	CUBIC FEET 2255x	 12575x	100 SX	· • • • • • • • • • • • • • • • • • • •							 22 Pr	STO 1/4	Sist	\heartsuit	1/00/145		WebriowQuewzer	
CONTINUATION TOTAL SO153	EE (XVH 61/	450	 1 7 1 2/25 W	20/4/ 20/4/ 20/4/								 42101 201	202	175		181	AMOUN	DATES Sep 13 PAGES OF 2	NO. 25563

			1150711-116	7 				DATE2 SEP 13 PAGE N
PALOS	NIND PE	TROLEUM	WELL NO.		NORTON	-QUE	JZER#1 JOB TYPE JAON 65TRING	TICKET NO. 25563
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS	PRESSUR	E (PSI) CASING	DESCRIPTION OF OPERATION AND	
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PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827 SEP 0 1 2013

RECEIVED

Invoice Number: 138198 Invoice Date: Aug 24, 2013 Page: 1

Now Includes:



Customer ID	Field Ticket #	Payment	Terms
Palo	61761	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Aug 24, 2013	9/23/13

Quantity	Item	Description	Unit Price	Amount
		Norton Quezer #1		
150.00	CEMENT MATERIALS	Class A Common	17.90	2,685.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
5.00	CEMENT MATERIALS	Chloridde	64.00	320.00
162.09	CEMENT SERVICE	Cubic Feet	2.48	401.98
	CEMENT SERVICE	Ton Mileage	2.60	538.72
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
28.00	CEMENT SERVICE	Pump Truck Mileage	7.70	215.60
28.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	123.20
	CEMENT SUPERVISOR	Joshua Isaac		
	EQUIPMENT OPERATOR			
1.00	OPERATOR ASSISTANT	Mike Eldridge		
		Subtotal		5,866.9
	S ARE NET, PAYABLE			
	FOLLOWING DATE OF	Sales Tax		189.1
	. 1 1/2% CHARGED TER. IF ACCOUNT IS	Total Invoice Amount		6,056.0
CURRENT	, TAKE DISCOUNT OF	Payment/Credit Applied	LACTOR MONTH	
		TOTAL		6,056.0
\$	1,173.39			



ALLIEU OIL & GAS SERVICES, LLC 061761 Federal Tax I.D. # 20-8651475

Federal Tax I.	D. # 20-8651475	
REMIT TO P.O. BOX 93999	SERV	/ICE POINT:
SOUTHLAKE, TEXAS 76092	OLKY	Great Bend
		Cheur Derey
DATE 6-24-15 11 17 16	CALLED OUT ON LOCATION	JOB START JOB FINISH FIDOpm 7:30 fm
LEASE OJEZON WELL# (LOCATION Utica	least 4/south	COUNTY STATE
OLD OR NEW (Circle one)		
CONTRACTOR Dickrel	OWNER	
TYPE OF JOB Screece		
HOLE SIZE /2% T.D.	CEMENT	
CASING SIZE DEPTH 723,39 TUBING SIZE DEPTH	AMOUNT ORDERED 150	SKS Class A
	SPOCE 2th ger	
DRILL PIPE 9%_ DEPTH TOOL DEPTH		
PRES. MAXMINIMUM	COMMON 150	017 GA 7 (VE 20
MEAS. LINE SHOE JOINT	COMMON <u>158</u> POZMIX	@17.90 2.685.00
CEMENT LEFT IN CSG. 15 FF	GEL 3	
PERFS.	CHLORIDE S	@ <u>23.40</u> 70.20 @ 64.00 320.00
DISPLACEMENT 13. 27 Hols for develor	ASC	@
EQUIPMENT		
		@
PUMPTRUCK CEMENTER JOSILISE		@
# 366 HELPER Keinen Echt		@
BULK TRUCK		@
#344-170 DRIVER Mile Eldrice		_ @
BULK TRUCK		_@
# DRIVER		_@
	HANDLING 162-09	@ 2.48 401.98
	MILEAGE 7.9 X 28 X	2.60 538-14
REMARKS:		TOTAL 4015. 20
On location, pla of thad safted meet	and	
Lun 829 Cusing	SERVI	CE
Briak ciculation with Rigmond		
pressure fost 500 ps1	DEPTH OF JOB	
pamp 5 bbls fresh vare	PUMP TRUCK CHARGE	1512.25
Mix 150 SICS Class A 39ECC Zepgel	EXTRA FOOTAGE	_@
Displace 13.27 bbls fish where	MILEAGE Hum 28	@7.70 215.60
Storia, Cenent did Ciculane	MANIFOLD	@
Rigdon 7:15pm	LUM 28	@ 4.40 123.20
		@
CHARGE TO: <u>PalominD</u>		- 45
STREET		TOTAL 1.851.05
CITY STATE ZIP		
CITYSTATEZIP	PLUG & FLOAT	T EOUIPMENT
	1	~
		_@
	••••••••••••••••••••••••••••••••••••••	
To: Allied Oil & Gas Services, LLC.		@
You are hereby requested to rent cementing equipment		@
and furnish cementer and helper(s) to assist owner or		
contractor to do work as is listed. The above work was		

TOTAL _____

SALES TAX (If Any)	
TOTAL CHARGES 5. 866. 25	
DISCOUNT IF PAI	D IN 30 DAYS
	DINJUDAIS
7.673. 30	

contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

e k PRINTED NAME The _ SIGNATURE



DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St. Newton, KS 67114

ATTN: Ryan Seib

Norton Quenzer #1

11 17s 26w Ness,KS

Start Date:	2013.08.30 @	08:14:00	
End Date:	2013.08.30 @	14:14:00	
Job Ticket #:	54988	DST #:	1

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

RILOBITE	Palomino Petroleum, Inc.			70 2000	No co KC		
TESTING, INC					Ness,KS		
	4924 SE 84th St. New ton, KS 67114			ton Que	enzer #1	DST#:1	
	ATTN: Ryan Seib				.900 13.08.30 @		
uh						,	
GENERAL INFORMATION:							
Formation: Marmaton Deviated: No Whipstock: Time Tool Opened: 10:25:30 Time Test Ended: 14:14:00	ft (KB)		Test Test Unit	er: I	Conventiona Bradley Wal	al Bottom Hole Iter	e (Initial)
Interval: 4165.00 ft (KB) To 43 Total Depth: 4335.00 ft (KB) (T∨	(D)		Refe	erence Ele		2553.00 2543.00	ft (CF)
Hole Diameter: 7.88 inchesHole	Condition: Good			KB t	o GR/CF:	10.00	ft
Serial #: 8677 Inside Press@RunDepth: 42.10 psig 0 Start Date: 2013.08.30 0 Start Time: 08:14:05 0	 4166.00 ft (KB) End Date: End Time: 	2013.08.30 14:13:59	Capacity: Last Calib Time On E Time Off I	o.: Btm: 2		8000.00 2013.08.30 @ 10:25:15 @ 12:30:15	psig
ISI: No return. FF: Surface blow FSI: No return Pressure vs. 13	me		PR	RESSUF	E SUMM	ARY	
	8077 Temposture	Time	Pressure	Temp	Annotati		
	115	(Min.) 0	(psig) 2044.75	(deg F) 114.10	Initial Hydr	o-static	
		1	29.13	113.45	Open To F	low (1)	
		31 59	36.07 603.76		Shut-In(1) End Shut-I		
		- 60	37.26		Open To F		
1000		†	42.10		Shut-In(2)		
		124 125	535.22 2009.98	116.14 116.67	End Shut- Final Hydr		
	73			Ga	s Rates		h. Waanda
220 Fri Ag 223 Vel Trre (Hun) Recovery Length (ft) Description	Volume (bbl)			Ga Choke (i		ure (psig) Ga	s Rate (Mcf/c
20 Fri Ap 203 Fri Ap 203 Tree (Harr) Recovery	274			1		ure (psig) Ga	s Rate (Mcf/c
220 Fri Ag 223 Vel Trre (Hun) Recovery Length (ft) Description	Volume (bbl)			1		ure (psig) Ga	s Rate (Mcf/c
220 June 1 Aug 2213 June 1 Aug 2213 Time (http://www.aug.org/linearized aug.org/linearized aug.org/linearize	Volume (bbl)			1		ure (psig) Ga	s Rate (Mcf/c
200	Volume (bbl)			1		ure (psig) Ga	s Rate (Mcf/c

RILOBITE -	DRILL STEM TES				
TESTING, INC	Palomino Petroleum, Inc.		11 17s 2	6w Ness,KS	5
	4924 SE 84th St. New ton, KS 67114		Norton (Job Ticket	Quenzer #1 : 54988	DST#: 1
	ATTN: Ryan Seib			: 2013.08.30 @	
GENERAL INFORMATION:					
Formation: Marmaton Deviated: No Whipstock: Time Tool Opened: 10:25:30 Time Test Ended: 14:14:00	ft (KB)		Test Type Tester: Unit No:	: Convention Bradley Wa 69	al Bottom Hole (Initial) Ilter
Interval: 4165.00 ft (KB) To 433 Total Depth: 4335.00 ft (KB) (TVI Hole Diameter: 7.88 inchesHole	D)			e Elevations: <b cf:<="" gr="" td="" to=""><td>2553.00 ft (KB) 2543.00 ft (CF) 10.00 ft</td>	2553.00 ft (KB) 2543.00 ft (CF) 10.00 ft
Serial #: 8522 Outside Press@RunDepth: psig @ Start Date: 2013.08.30 Start Time: 08:14:35	 4166.00 ft (KB) End Date: End Time: 	2013.08.30 14:13:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.08.30
TEST COMMENT: IF: 1" blow . ISI: No return. FF: Surface blow . FSI: No return					
Pressure vs. Tin #22 Pessure				SURE SUMN	
200 700 700 700 700 700 700 700		Time (Min.)	Pressure Ten (psig) (deg	· ·	
Recovery			<u> </u>	Gas Rates	
Length (ft) Description	Volume (bbl)		Cr	oke (inches) Press	sure (psig) Gas Rate (Mcf/d
30.00 Mud 100m (oil spots)	0.30				

Change Over Sub 1.00 4139.00 Shut In Tool 5.00 4144.00 Hydraulic tool 5.00 4149.00 Jars 5.00 4154.00 Safety Joint 2.00 4166.00 Packer 5.00 4165.00 Packer 4.00 4166.00 Packer 0.00 8677 Inside 4166.00 Recorder 0.00 8677 Inside 4166.00 Perforations 6.00 4172.00 4172.00 Change Over Sub 1.00 4139.00 4139.00 Drill Pipe 158.00 4331.00 4332.00	RILOBITE		no Petroleum, I	nc.		11 17s 26w Nes	ss,KS
ATTN: Ryan Seib Test Start: 2010 Indexe: 99896 DS IF: F1 Tool Information ATTN: Ryan Seib Test Start: 2013.08.30 @ 08:14:00 Drill Pipe: Length: 0.00 ft Diameter: 3.80 inches Volume: 55.34 bbl Tool Weight: 2500.00 lb Velopti Start: 0.00 ft Diameter: 3.20 inches Volume: 2.04 bbl Weight to Puil Loose: 98000.00 lb Drill Pipe Above KB: 12.00 ft Total Volume: 57.38 bbl Tool Onescent in thial 88000.00 lb Depth to Do Packer: 4155.00 ft Total Volume: 57.38 bbl String Weight: 1111 Depth to Bottom Packer: 170.00 ft Total Volume: 57.38 bbl String Weight: 1111 Velopt sector: 170.00 ft String Weight: 1111 String Weight: 1111 String Velopt: 197.00 ft String Velopt: String Weight: 1111 Velopt sector: 100 4139.00 4139.00 1111 String Velopt: 1111 String Velopt: 11111 <th>ESTING</th> <th>, INC. 4924 S</th> <th>E 84th St.</th> <th></th> <th></th> <th>Norton Quenze</th> <th>er #1</th>	ESTING	, INC. 4924 S	E 84th St.			Norton Quenze	er #1
Tool Information Drill Pipe: Length: 3945.00 ft Diameter: 3.80 inches Volume: 55.34 bbl Tool Weight: 2500.00 lb Drill Pipe: Length: 20.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 255.00 lb Weight set on Packer: 2500.00 lb Drill Pipe Above KB: 12.00 ft Total Volume: 57.38 bbl Tool Chased 0.00 in tool String Weight: Neight set on Packer: 2500.00 lb Depth to Top Packer: 4165.00 ft Total Volume: 57.38 bbl Tool Chased 0.00 it Tool Length: 197.00 ft Total Volume: 6.75 inches String Weight: String Weight: <th></th> <th>New to</th> <th>n, KS 67114</th> <th></th> <th></th> <th>Job Ticket: 54988</th> <th>DST#:1</th>		New to	n, KS 67114			Job Ticket: 54988	DST#:1
Drill Pipe: Length: 3945.00 ft Diameter: 3.80 inches Volume: 55.34 bbl Tool Weight : 2500.00 lb Heavy Wt, Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Olar: Length: 205.00 ft Diameter: 3.20 inches Volume: 2.04 bbl Weight to Pall Loose: 98000.00 lb Drill Pipe Above KB: 12.00 ft Tool Othesed 0.00 oft String Weight: Initial 88000.00 lb Depth to Top Packer: 4165.00 ft Tool Othesed String Weight: Initial 88000.00 lb Number of Packers: 170.00 ft Tool Othesed Anterest String Weight: Initial 88000.00 lb Shut In Tool 5.00 4139.00 4139.00 Anterest Anterest Anterest Anterest Start Tool 5.00 41154.00 27.00 Bottom Of Top Packer Bottom Of Top Packer Anterest Anterest Anterest Anterest Anterest Anterest Anterest Anterest <		ATTN:	Ryan Seib			Test Start: 2013.08	8.30 @ 08:14:00
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 2500 0 b Drill Collar: Length: 20.500 ft Diameter: 3.20 inches Volume: 2.04 bbl Weight set on Packer: 98000.00 b Drill Pipe Above KB: 12.00 ft Total Volume: 57.38 bbl Total Collar: 0.00 ft String Weight: 111 as 88000.00 b Depth to Top Packer: ft ft Interval betw een Packers: 170.00 ft String Weight: Initial 88000.00 lb Tool Length: 197.00 ft 197.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: 100 4139.00 4144.00 4145.00 4149.00 String Vipitui 2.00 4144.00 4165.00 4165.00 4165.00 Packer 5.00 4165.00 4166.00 7.00 Bottom Of Top Pacle Stubb 1.00 8677 Inside 4166.00 4172.00 4173.00 Packer 0.00 8522 Outside 4166.00 4173.00 4166.00 4173.00 4173.00	Tool Information			lania (Mara		nnan 7	
Drill Collar: Length: 205.00 ft Diameter: 3.20 inches Volume: 2.04 bbl Weight to Pull Loose: 98000.00 ib Drill Pipe Above KB: 12.00 ft Total Volume: 57.38 bbl Tool Chased 0.00 ft Depth to Top Packer: 4165.00 ft Final 88000.00 ib Final 88000.00 ib Depth to Bottom Packer: ft ft Final 88000.00 ib Final 88000.00 ib Depth to Bottom Packer: ft ft Final 88000.00 ib Final 88000.00 ib Tool Length: 197.00 ft Tool Length (ft) Serial No. Position Depth (ft) Accum. Lengths Tool Comments: 1.00 4139.00 4144.00 4149.00 4149.00 4144.00 4149.00 4166.00 Final Settom Of Top Paclers 50.00	Drill Pipe: Length: 3945.	00 ft Diameter:	: 3.80 ind	ches Volume:	55.34 bbi	Tool Weight:	2500.00 lb
Total Volume: 57.38 bbl Total Volume: 57.38 bbl Total Volume: String Weight: Initial 88000.00 lb Depth to Top Packer: 4165.00 ft 57.38 bbl Total Volume: 57.38 bbl Total Volume: 57.38 bbl String Weight: Initial 88000.00 lb Depth to Top Packer: ft ft Final 88000.00 lb Final 88000.00 lb Number of Packers: 197.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: 197.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: 100 4139.00 4139.00 500 4144.00 Shut In Tool 5.00 4144.00 4149.00 5459.00 5459.00 5459.00 70.00 Bottom Of Top Packer Packer 5.00 4161.00 27.00 Bottom Of Top Packer 500 Packer 0.00 8577 Inside 4166.00 500 500 Recorder 0.00 8522 Outside 4166	<i>,</i> , , , , , , , , , , , , , , , , , ,					-	
Drill Epic Above K8: 12.00 ft String Weight: Initial 88000.00 lb Depth to Top Packer: 4165.00 ft Final 88000.00 lb Depth to Bottom Packer: ft Final 88000.00 lb Depth to Bottom Packer: 197.00 ft Final 88000.00 lb Number of Packers: 2 Diameter: 6.75 inches Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Tool Comments: 1.00 4139.00 4144.00 4144.00 4144.00 Shut In Tool 5.00 41454.00 4165.00 4165.00 4165.00 Packer 5.00 4165.00 4166.00	Drill Collar: Length: 205.	00 ft Diameter:	-			-	
Depth to Top Packer: 4165.00 ft Final 88000.00 lb Depth to Bottom Packer: ft Final 88000.00 lb Depth to Bottom Packer: ft Final 88000.00 lb Interval betw een Packers: 170.00 ft Tool Length 197.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: 100 4139.00 Shuft Tool 5.00 4144.00 Shuft Tool 5.00 4149.00 Jars 5.00 4149.00 Safety Joint 2.00 4166.00 Packer 5.00 4166.00 Packer 0.00 8677 Stubb 1.00 4166.00 Recorder 0.00 8522 Outside 4166.00 Perforations 6.00 4172.00 Change Over Sub 1.00 41331.00 Change Over Sub 1.00 41331.00 Change Over Sub 1.00 41331.00 Change Over Sub 1.00 43	Drill Pipe Above KB: 12.	00 ft	·	Total Volume:	57.38 bbl		
Depth to Bottom Packer: ft Interval betw een Packers: 170.00 ft Number of Packers: 2 Z 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 Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Tool Comments:	-	00 ft					
Tool Length: 197.00 ft Number of Packers: 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 4139.00 4139.00 4144.00 Shut In Tool 5.00 4144.00 4139.00 4149.00 Jars 5.00 4156.00 4165.00 4165.00 Packer 5.00 4165.00 4166.00 8600 4166.00 Recorder 0.00 8677 Inside 4166.00 4172.00 4172.00 4172.00 4172.00 4172.00 4173.00 4131.00 4133.0	Depth to Bottom Packer:	ft				ſ	
Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Tool Description 1.00 4139.00 Accum. Lengths Accum. Lengths Change Over Sub 1.00 4144.00 Accum. Lengths Accum. Lengths Shut In Tool 5.00 4144.00 Accum. Lengths Accum. Lengths Jars 5.00 4145.00 Accum. Lengths Accum. Lengths Safety Joint 2.00 4156.00 Accum. Lengths Accum. Lengths Packer 5.00 4165.00 Accum. Lengths Accum. Lengths Accum. Lengths Packer 5.00 4156.00 Accum. Lengths A							
Tool Comments: Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4139.00 4144.00 4144.00 4149.00 4149.00 4149.00 4149.00 4150.00 4156.00 4156.00 4165.00 4165.00 4165.00 4166.00 4166.00 4165.00 4166.00 4160.00 4160.00 <td< td=""><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	5						
Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4139.00 4139.00 5.00 4144.00 Shut In Tool 5.00 4144.00 5.00 4149.00 Hydraulic tool 5.00 4145.00 5.00 4156.00 Safety Joint 2.00 4166.00 5.00 5.00 Packer 5.00 4166.00 5.00 5.00 Packer 4.00 4166.00 5.00 5.00 4166.00 Packer 0.00 8677 Inside 4166.00 5.00		2 Diameter:	6.75 ind	ches			
Change Over Sub 1.00 4139.00 Shut In Tool 5.00 4144.00 Hydraulic tool 5.00 4149.00 Jars 5.00 4154.00 Safety Joint 2.00 4166.00 Packer 5.00 4165.00 Packer 4.00 4166.00 Packer 0.00 8677 Inside 4166.00 Recorder 0.00 8522 Outside 4166.00 Perforations 6.00 4172.00 Change Over Sub 1.00 41331.00 Change Over Sub 1.00 4332.00 Bullnose 3.00 4335.00 170.00 Bottom Packers & Anch	Tool Comments:						
Hydraulic tool 5.00 4149.00 Jars 5.00 4154.00 Safety Joint 2.00 4156.00 Packer 5.00 4161.00 27.00 Bottom Of Top Pacl Packer 4.00 4166.00 100 Stubb 1.00 4166.00 Recorder 0.00 8677 Inside 4166.00 100 <th>Tool Description</th> <th></th> <th>Serial No.</th> <th>Position</th> <th></th> <th>ccum. Lengths</th> <th></th>	Tool Description		Serial No.	Position		ccum. Lengths	
Jars 5.00 4154.00 Safety Joint 2.00 4156.00 Packer 5.00 4161.00 27.00 Bottom Of Top Pack Packer 4.00 4165.00 100 8000000000000000000000000000000000000	Change Over Sub	1.00	Serial No.	Position	4139.00	ccum. Lengths	
Safety Joint 2.00 4156.00 Packer 5.00 4161.00 27.00 Bottom Of Top Pack Packer 4.00 4165.00 4166.00 4172.00 4166.00 4173.00 4173.00 4173.00 4173.00 41331.00 41332.00 41332.00 41332.00 41332.00 41335.00 170.00 Bottom Packers & Anch	Change Over Sub Shut In Tool	1.00 5.00	Serial No.	Position	4139.00 4144.00	ccum. Lengths	
Packer 5.00 4161.00 27.00 Bottom Of Top Packer Packer 4.00 4165.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4166.00 4172.00 4172.00 4173.00 4173.00 4173.00 4173.00 4173.00 41331.00 41332.00 4332.00 4335.00 170.00 Bottom Packers & Anch	Change Over Sub Shut In Tool Hydraulic tool	1.00 5.00 5.00	Serial No.	Position	4139.00 4144.00 4149.00	ccum. Lengths	
Packer 4.00 4165.00 Stubb 1.00 4166.00 Recorder 0.00 8677 Inside 4166.00 Recorder 0.00 8522 Outside 4166.00 Recorder 0.00 8522 Outside 4166.00 Perforations 6.00 4172.00 4173.00 Change Over Sub 1.00 4331.00 4332.00 Bullnose 3.00 4335.00 170.00 Bottom Packers & Anche	Change Over Sub Shut In Tool Hydraulic tool Jars	1.00 5.00 5.00 5.00	Serial No.	Position	4139.00 4144.00 4149.00 4154.00	ccum. Lengths	
Stubb 1.00 4166.00 Recorder 0.00 8677 Inside 4166.00 Recorder 0.00 8522 Outside 4166.00 Perforations 6.00 4172.00 4173.00 Change Over Sub 1.00 41331.00 4332.00 Bullnose 3.00 4335.00 170.00 Bottom Packers & Ancher	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	1.00 5.00 5.00 5.00 2.00	Serial No.	Position	4139.00 4144.00 4149.00 4154.00 4156.00		Bottom Of Top Pack
Recorder 0.00 8677 Inside 4166.00 Recorder 0.00 8522 Outside 4166.00 Perforations 6.00 4172.00 Change Over Sub 1.00 4173.00 Drill Pipe 158.00 4331.00 Change Over Sub 1.00 4332.00 Bullnose 3.00 4335.00 170.00	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer	1.00 5.00 5.00 5.00 2.00 5.00	Serial No.	Position	4139.00 4144.00 4149.00 4154.00 4156.00 4161.00		Bottom Of Top Packe
Perforations 6.00 4172.00 Change Over Sub 1.00 4173.00 Drill Pipe 158.00 4331.00 Change Over Sub 1.00 4332.00 Bullnose 3.00 170.00 Bottom Packers & Anche	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	1.00 5.00 5.00 5.00 2.00 5.00 4.00	Serial No.	Position	4139.00 4144.00 4149.00 4154.00 4156.00 4161.00 4165.00		Bottom Of Top Pack
Change Over Sub 1.00 4173.00 Drill Pipe 158.00 4331.00 Change Over Sub 1.00 4332.00 Bullnose 3.00 4335.00 170.00	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	1.00 5.00 5.00 2.00 5.00 4.00 1.00			4139.00 4144.00 4149.00 4154.00 4156.00 4165.00 4165.00 4166.00		Bottom Of Top Pack
Drill Pipe 158.00 4331.00 Change Over Sub 1.00 4332.00 Bullnose 3.00 4335.00 170.00 Bottom Packers & Ancher	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	8677	Inside	4139.00 4144.00 4149.00 4154.00 4156.00 4165.00 4166.00 4166.00		Bottom Of Top Packs
Drill Pipe 158.00 4331.00 Change Over Sub 1.00 4332.00 Bullnose 3.00 4335.00 170.00 Bottom Packers & Anch	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	8677	Inside	4139.00 4144.00 4149.00 4154.00 4156.00 4161.00 4165.00 4166.00 4166.00		Bottom Of Top Pack
Bullnose 3.00 4335.00 170.00 Bottom Packers & Anch	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 0.00 6.00	8677	Inside	4139.00 4144.00 4149.00 4154.00 4156.00 4165.00 4165.00 4166.00 4166.00 4166.00 4172.00		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 6.00 1.00	8677	Inside	4139.00 4144.00 4149.00 4154.00 4156.00 4165.00 4165.00 4166.00 4166.00 4166.00 4172.00 4173.00		Bottom Of Top Packs
Total Tool Length: 197.00	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 6.00 1.00 158.00	8677	Inside	4139.00 4144.00 4149.00 4154.00 4156.00 4165.00 4166.00 4166.00 4166.00 4166.00 4172.00 4173.00 4331.00		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 6.00 1.00 158.00 1.00	8677	Inside	4139.00 4144.00 4149.00 4154.00 4156.00 4165.00 4166.00 4166.00 4166.00 4166.00 4172.00 4173.00 4331.00 4332.00	27.00	Bottom Of Top Packers
	Tool Description 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 Total Tool Lengt	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 6.00 1.00 158.00 1.00 3.00	8677 8522	Inside	4139.00 4144.00 4149.00 4154.00 4156.00 4165.00 4166.00 4166.00 4166.00 4166.00 4172.00 4173.00 4331.00 4332.00	27.00	

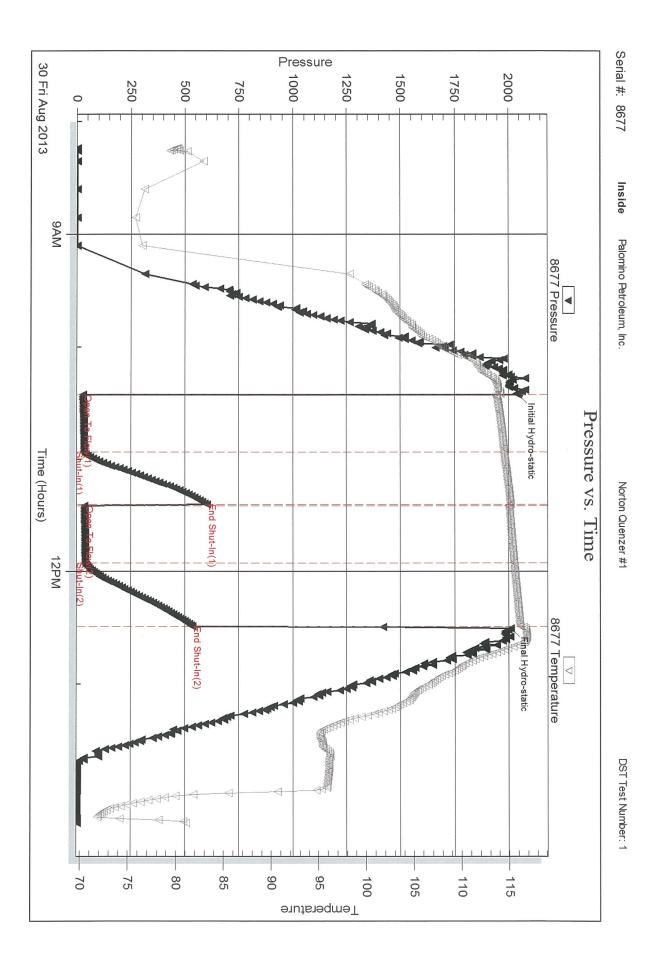
	DF	RILL S	TEM TEST R	EPORT			FLUID S	UMMARY
RILOB	1 1 10	nino Petrole	um, Inc.		11 17s 26v	v Ness,KS		
EST.		SE 84th St. ton, KS 67			Norton Qu Job Ticket: 5		DST#:1	
	ATT	N: Ryan Se	eib		Test Start: 2	013.08.30 @ 0	8:14:00	
Mud and Cushion Info	ormation							<u></u>
Mud Type:Gel ChemMud Weight:9.00 ltViscosity:58.00 sWater Loss:7.59 irResistivity:cSalinity:1000.00 pFilter Cake:1.00 ir	sec/qt n³ ohm.m opm		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		ft bbl psig	Oil API: Water Salinity:		0 deg APi 0 ppm
Recovery Information)	_						
	Length	F	Recovery Table Description		Volume			
	ft 30.00	Mud 100	Om (oil spots)		bbl 0.298	3		
Tot		30.00 ft	Total Volume:	0.298 bbl	-			
Lat	m Fluid Samples: 0 ooratory Name: covery Comments:		Num Gas Bombs: Laboratory Location	0	Serial#	:		
Trilobite Testing, Inc		Ref. No: 5				l: 2013.09.04 @		

Printed: 2013.09.04 @ 14:04:34

54988



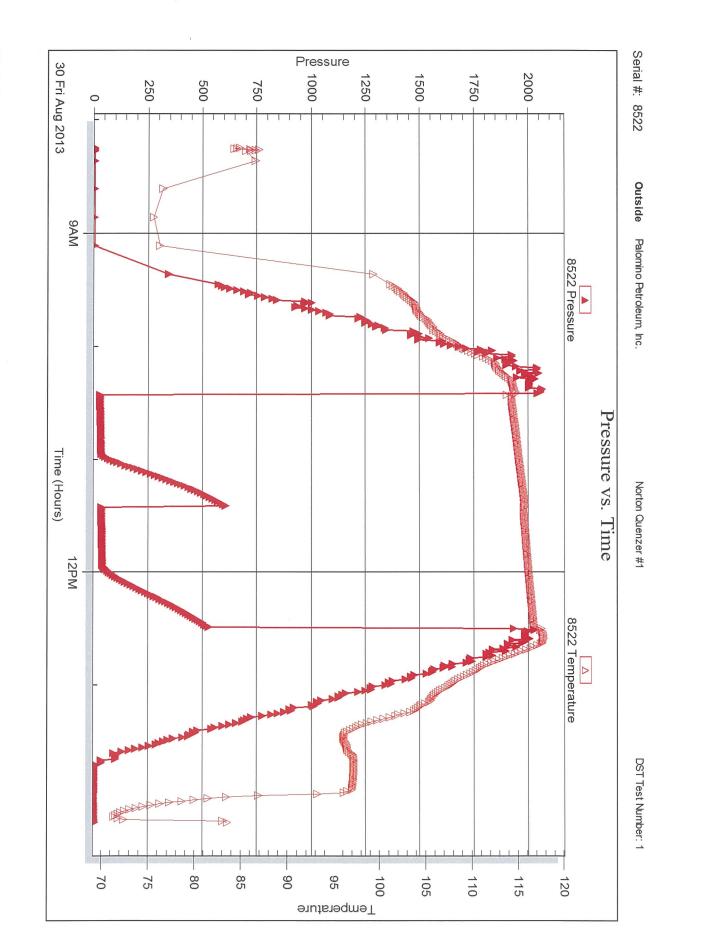






Ref. No: 54988

Trilobite Testing, Inc





DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St. Newton, KS 67114

ATTN: Ryan Seib

Norton Quenzer #1

11 17s 26w Ness,KS

Start Date: 2013.08.31 @ 12:17:00 End Date: 2013.08.31 @ 19:35:45 Job Ticket #: 54989 DST #: 2

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

14101	<u> RILO</u> BITE	Palomino Petroleum, Inc.			11	17s 26w	/ Ness,KS		
(III)	ESTING , INC	4004.05.0411-04							
	1	4924 SE 84th St. New ton, KS 67114					enzer #1		
					Job	Ticket: 54	4989	DST#: 2	
THE OWN		ATTN: Ryan Seib			Tes	t Start: 20	013.08.31 @	0 12:17:00	
GENERAL	INFORMATION:								
	Mississippian No Whipstock: bened: 14:14:15 ided: 19:35:45	ft (KB)			Tes	ter:	Conventiona Bradley Wal 69	al Bottom Hol Iter	e (Reset)
Interval:	4414.00 ft (KB) To 45	09.00 ft (KB) (TVD)			Ref	erence E	evations:	2553.00	ft (KB)
Total Depth:	4509.00 ft (KB) (T\	-						2543.00	
Hole Diamete	er: 7.88 inchesHole	Condition: Good				KB	to GR/CF:	10.00	ft
Press@Run[Start Date: Start Time: TEST CON	Depth: 363.71 psig 2013.08.31 12:17:05 AMENT: IF: BOB @ 4 min. ISI: Surface retur FF: BOB @ 7 min FSI: No return.	End Date: End Time: n.	2	2013.08.31 19:35:44	Capacity Last Cali Time On Time Off	b.: Btm:	2013.08.31	8000.00 2013.08.31 @ 14:13:45 @ 16:19:00	psig
	Pressure vs. T	inne 1522 forspankre					RE SUMM		
220	2522 Pressure		125	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotati	on	
-				(1981.)	(paig)	(uegr)			
2000			120	0	2168.82	116.15	Initial Hydr	o-static	
t t			120 115	0 1	2168.82 49.11	116.15 115.29			
1730				1 30	49.11 246.68	115.29 122.26	Open To F Shut-In(1)	Flow (1)	
1790			115	1 30 62	49.11 246.68 1128.59	115.29 122.26 122.61	Open To F Shut-In(1) End Shut-I	Flow (1) In(1)	
1790			115	1 30 62 62	49.11 246.68 1128.59 256.78	115.29 122.26 122.61 122.11	Open To F Shut-In(1) End Shut-I Open To F	Flow (1) In(1) Flow (2)	
1750			115 110 105 100 100 100	1 30 62	49.11 246.68 1128.59	115.29 122.26 122.61 122.11	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	Flow (1) In(1) Flow (2)	
	A Construction of the second s		115 110 105 Temperature	1 30 62 62 92	49.11 246.68 1128.59 256.78 363.71	115.29 122.26 122.61 122.11 122.51	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-	Flow (1) In(1) Flow (2) In(2)	
	Tere Picars		115 Temperature (deg F) 55 55	1 30 62 62 92 125	49.11 246.68 1128.59 256.78 363.71 1085.11	115.29 122.26 122.61 122.11 122.51 125.05 125.45	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-	Flow (1) In(1) Flow (2) In(2)	
	Time (Hans) Recovery Description	Volume (bbl)	115 Temperature (deg F) 55 55	1 30 62 62 92 125	49.11 246.68 1128.59 256.78 363.71 1085.11	115.29 122.26 122.61 122.11 122.51 125.05 125.45	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	Flow (1) In(1) Flow (2) In(2) o-static	is Rate (Mcf/
1733 1500	Time(Ham) Recovery Description gmco 20g 30m 50o	Volume (bbl) 1.79	115 Temperature (deg F) 55 55	1 30 62 62 92 125	49.11 246.68 1128.59 256.78 363.71 1085.11	115.29 122.26 122.61 122.11 122.51 125.05 125.45	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	Flow (1) In(1) Flow (2) In(2) o-static	is Rate (Mcf/
1753 1500	Recovery Description gmco 20g 30m 50o gmco 30g 10m 60o	Volume (bbl) 1.79 4.25	115 Temperature (deg F) 55 55	1 30 62 62 92 125	49.11 246.68 1128.59 256.78 363.71 1085.11	115.29 122.26 122.61 122.11 122.51 125.05 125.45	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	Flow (1) In(1) Flow (2) In(2) o-static	ıs Rate (Mcf/
1750 1500	Time (Hum) Recovery Description gmco 20g 30m 50o gmco 30g 10m 60o gmco 30g 30m 40o	Volume (bbl) 1.79 4.25 3.65	115 Temperature (deg F) 55 55	1 30 62 62 92 125	49.11 246.68 1128.59 256.78 363.71 1085.11	115.29 122.26 122.61 122.11 122.51 125.05 125.45	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	Flow (1) In(1) Flow (2) In(2) o-static	is Rate (Mcf/
1733 1500	Tere Ptans Recovery Description gmco 20g 30m 50o gmco 30g 10m 60o gmco 30g 30m 40o gsmco 30g 5m 65o	Volume (bbl) 1.79 4.25 3.65 2.10	115 Temperature (deg F) 55 55	1 30 62 62 92 125	49.11 246.68 1128.59 256.78 363.71 1085.11	115.29 122.26 122.61 122.11 122.51 125.05 125.45	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	Flow (1) In(1) Flow (2) In(2) o-static	is Rate (Mcf/
1750 1500	Time (Hum) Recovery Description gmco 20g 30m 50o gmco 30g 10m 60o gmco 30g 30m 40o	Volume (bbl) 1.79 4.25 3.65	115 Temperature (deg F) 55 55	1 30 62 62 92 125	49.11 246.68 1128.59 256.78 363.71 1085.11	115.29 122.26 122.61 122.11 122.51 125.05 125.45	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	Flow (1) In(1) Flow (2) In(2) o-static	is Rate (Mct/

1. ()~ ())))	RILOBITE	DRILL STEM TE Palomino Petroleum, Inc.				
活動	ESTING , INC.			11 175 26	w Ness,KS	
	ESTING, INC.			Norton Q	uenzer #1	
		New ton, KS 67114		Job Ticket:	54989	DST#: 2
NG SN		ATTN: Ryan Seib		Test Start:	2013.08.31 @	12:17:00
GENERAL IN	NFORMATION:					
Formation: Deviated: Time Tool Open Time Test Endeo		ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 69	al Bottom Hole (Reset) llter
Interval:	4414.00 ft (KB) To 45	09.00 ft (KB) (TVD)		Reference	Elevations:	2553.00 ft (KB)
Total Depth:	4509.00 ft (KB) (TV					2543.00 ft (CF)
Hole Diameter:	7.88 inchesHole	Condition: Good		K	B to GR/CF:	10.00 ft
Serial #: 86 Press@RunDep Start Date: Start Time:		<pre>@ 4415.00 ft (KB) End Date: End Time:</pre>	2013.08.31 19:34:44	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.08.31
	FSI: No return.					
					JRE SUMM	
	FICSSING VS. A.	AUT TOROTARE	(Min.)	PRESSI Pressure Temp (psig) (deg F	Annotat	
		BUT IEROTARE	(Min.)	Pressure Temp (psig) (deg F	Annotat	
	BITTINGUE	BUT IEROTARE	(Min.)	Pressure Temp (psig) (deg F	Annotati	
2000 1770 1700	BUTTHEASE THE PLAN THE PLAN	BUT IERONAR BUT IERONAR	(Min.)	Pressure Temp (psig) (deg F	Annotati	ion
2000 1779 1000 1000 1000 1000 1000 1000	Recovery Description gmco 20g 30m 50o gmco 30g 10m 60o	NOT Immoniane	(Min.)	Pressure Temp (psig) (deg F	Annotati	ion
2000 1779	Recovery Description gmco 30g 10m 60o gmco 30g 30m 40o	Volume (bbl) 1.79 4.25 3.65	(Min.)	Pressure Temp (psig) (deg F	Annotati	ion
200 1779 200 200 200 200 200 200 200 20	Recovery Description gmco 20g 30m 500 gmco 30g 10m 600 gmco 30g 5m 650	NOT ferrorate NOT ferrorate Image: state st	(Min.)	Pressure Temp (psig) (deg F	Annotati	ion
200 1739 200 200 200 200 200 200 200 20	Recovery Description gmco 30g 10m 60o gmco 30g 30m 40o	Volume (bbl) 1.79 4.25 3.65	(Min.)	Pressure Temp (psig) (deg F	Annotati	ion
2000 1779 229 229 229 200 200 200 200 20	Tree plane) Tree	NOT ferrorate NOT ferrorate Image: state st	(Min.)	Pressure Temp (psig) (deg F	Annotati	ion

Cool Information	IG , INC. 4924 S New to	SE 84th St. on, KS 67114				
	ATTN				Norton Quenzer # Job Ticket: 54989	1 DST#: 2
	,	Ryan Seib			Test Start: 2013.08.31	@ 12:17:00
rill Dine: Length: 41						un ann an ann an ann an ann ann an ann ann an a
	195.00 ft Diameter		ches Volume:		0	2500.00 lb
leavy Wt. Pipe: Length:	0.00 ft Diameter		ches Volume:		•	
rill Collar: Length: 2	205.00 ft Diameter		ches Volume:		_	
rill Pipe Above KB:	13.00 ft		Total Volume:	60.88 bb	String Weight: Initial	0.00 ft 88000.00 lb
epth to Top Packer: 44	114.00 ft				Final	
epth to Bottom Packer:	ft					
	95.00 ft					
U	122.00 ft 2 Diameter	:: 6.75 in	a h a a			
lumber of Packers: ool Comments:	2 Diameter	. 0.75 m	ches			
ool Description	Length (ft)	Serial No.	Position	Dopth (ft)	Accum. Lengths	
hange Over Sub	1.00	Senai No.	FUSICION	4388.00		
hut In Tool	5.00			4393.00		
ydraulic tool	5.00			4398.00		
ars	5.00			4403.00		
afety Joint	2.00			4405.00		
acker	5.00			4410.00	27.00	Bottom Of Top Packe
acker	4.00			4414.00		
tubb	1.00			4415.00		
ecorder	0.00	8677	Inside	4415.00		
ecorder	0.00	8522	Outside	4415.00		
erforations	26.00			4441.00		
hange Over Sub	1.00			4442.00		
rill Pipe	63.00			4505.00		
hange Over Sub	1.00			4506.00		
ullnose	3.00			4509.00	95.00 E	Bottom Packers & Anchor
Total Tool Le	ength: 122.00)				

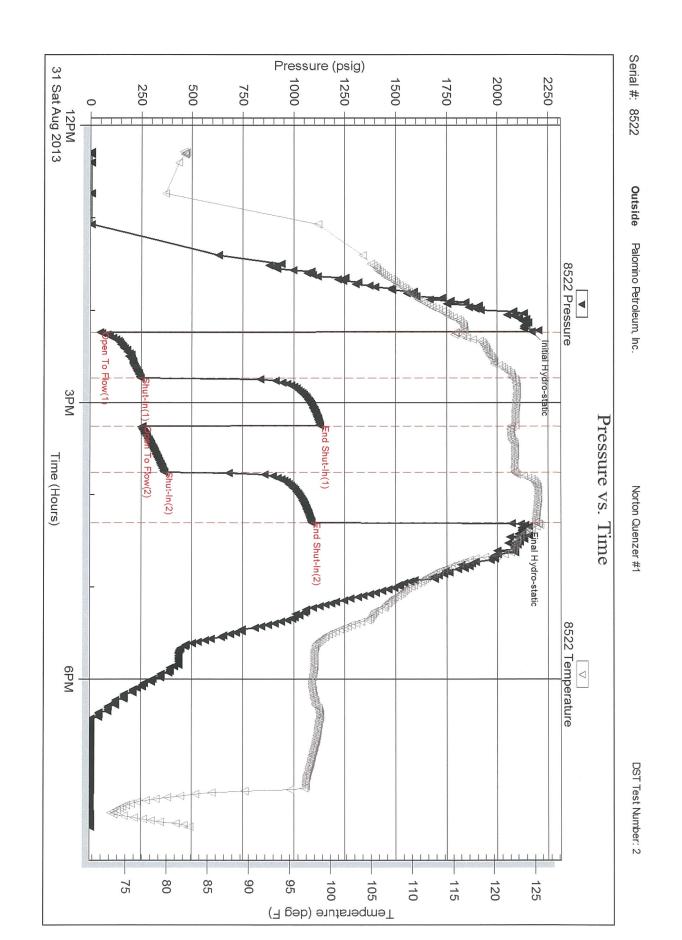
	JMMARY
New ton, KS 67114 Job Ticket: 54989 DST#:2 ATTN: Ryan Seib Test Start: 2013.08.31 @ 12:17:00 Mud and Cushion Information Use of the set Start: 2013.08.31 @ 12:17:00 Mud Veight: 9.00 lb/gal Cushion Type: Oil API: 360 Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 01 Viscosity: 59.00 sec/qt Cushion Volume: bbl bbl Water Salinity: 01 Viscosity: 59.00 psec/qt Cushion Volume: bbl bbl Water Salinity: 01 Salinity: ohm.m Gas Cushion Type: psig salinity: 1600.00 ppm Filter Cake: 1.00 inches Recovery Table Eegotrption Volume bbl New tool of the colspan="2">New tool of tool of tool of tool of tool of too	
ATTN: Ryan Seib Test Start: 2013.08.31 @ 12:17:00 Mud and Cushion Information Cushion Type: Oil API: 36.0 Mud Type: Gel Chem Cushion Type: Oil API: 36.0 Mud Weight: 9.00 lb/gal Cushion Type: Oil API: 36.0 Mud Weight: 9.00 lb/gal Cushion Type: bbl Water Salinity: 01 Viscosity: 59.00 sec/qt Cushion Type: gas Cushion Type: psig Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1600.00 ppm Filter Cake: 1.00 inches Recovery Information Volume Ength Description Volume bbl 180.00 gmco 20g 30m 50c 1.791 310.00 gmco 30g 10m 60c 4.246 2.600 260.00 gmco 30g 30m 40c 3.647 0.000 Total Length: 900.00t Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: <td></td>	
Mud and Cushion Information Mud and Cushion Information Mud Type: Gel Chem Cushion Type: Oil API: 36 degree Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 0 percession Viscosity: 59.00 sec/qt Cushion Volume: bbl bbl Viscosity: 59.00 sec/qt Cushion Volume: bbl Viscosity: 59.00 sec/qt Cushion Volume: bbl vater Salinity: 0 percession Resistivity: ohm.m Gas Cushion Pressure: psig salinity: 1600.00 pm Filter Cake: 1.00 inches Recovery Table Econy Table Image: Salinity: 1600.00 gmco 20g 30m 50o 1.791 180.00 gmco 20g 30m 50o 1.791 310.00 gmco 30g 10m 60o 4.246 260.00 gmco 30g 10m 60o 4.246 260.00 gmco 30g 5m 65o 2.104 0.00 450 GIP 0.000 0.000 Integes 0.000 Serial #: Leaboratory Name: Laboratory Location: Uaboratory Location: 0 Serial #:	
Mud Type: Gel Chem Cushion Type: Oil API: 36 dit Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 0 ji Viscosity: 59.00 sec/qt Cushion Volume: bbl bbl 0 ji Water Loss: 8.39 in ³ Gas Cushion Type: gas Cushion Type: <t< td=""><td></td></t<>	
Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 01 Viscosity: 59.00 sec/qt Cushion Volume: bbl Water Loss: 8.39 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1600.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume bbl 180.00 gmco 20g 30m 500 1.791 310.00 gmco 30g 10m 600 4.246 260.00 gmco 30g 10m 600 4.246 260.00 gmco 30g 30m 400 3.647 150.00 gsmco 30g 5m 650 2.104 0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Viscosity: 59.00 sec/qt Cushion Volume: bbl Water Loss: 8.39 in ³ Gas Cushion Type: sig Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1600.00 ppm fit sig Filter Cake: 1.00 inches sig sig Recovery Information Volume Length Description Volume ft Description Volume bbl 180.00 gmco 20g 30m 50o 1.791 310.00 4.246 260.00 gmco 30g 10m 60o 4.246 260.00 3.647 150.00 gsmco 30g 5m 65o 2.104 0.000 3.647 Laboratory Name: Laboratory Location: 11.788 bbl Serial #:	deg API
Water Loss: 8.39 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1600.00 ppm Filter Cake: 1.00 inches Recovery Information Volume Recovery Information Volume Image: Colspan="2">Volume Image: Colspan="2">Volume Volume 100 inches Recovery Information Volume Image: Colspan="2">Volume Recovery Table Length Description Volume 180.00 gmco 20g 30m 50o 1.791 310.00 gmco 30g 10m 60o 4.246 260.00 gmco 30g 5m 65o 2.104 0.000 3.647 150.00 gsmco 30g 5m 65o 2.104 0.000 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Volume 11.781	ppm
Resistivity: ohm.m. Gas Cushion Pressure: psig Salinity: 1600.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table Image:	
Salinity: 1600.00 ppm Filter Cake: 1.00 inches Recovery Information Covery Table Length Description Volume bbl 180.00 gmco 20g 30m 50o 1.791 310.00 gmco 30g 10m 60o 4.246 260.00 gmco 30g 30m 40o 3.647 150.00 gsmco 30g 5m 65o 2.104 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	
Filter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume bbl 180.00 gmco 20g 30m 50o 1.791 310.00 gmco 30g 10m 60o 4.246 260.00 gmco 30g 30m 40o 3.647 150.00 gsmco 30g 5m 65o 2.104 0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	
Length Description Volume bbl 180.00 gmco 20g 30m 500 1.791 310.00 gmco 30g 10m 600 4.246 260.00 gmco 30g 30m 400 3.647 150.00 gsmco 30g 5m 650 2.104 0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: 1	
Recovery TableLength ftDescriptionVolume bbl180.00 3000gmco 20g 30m 5001.791310.00 310.00gmco 30g 10m 6004.246260.00 150.00gmco 30g 30m 4003.647150.00 0.00gsmco 30g 5m 6502.1040.00450 GIP0.000Total Length:900.00 ftTotal Volume:11.788 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #: Laboratory Location:	
Length ft Description Volume bbl 180.00 gmco 20g 30m 50o 1.791 310.00 gmco 30g 10m 60o 4.246 260.00 gmco 30g 30m 40o 3.647 150.00 gsmco 30g 5m 65o 2.104 0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: 5 5	
ft bbl 180.00 gmco 20g 30m 50o 1.791 310.00 gmco 30g 10m 60o 4.246 260.00 gmco 30g 30m 40o 3.647 150.00 gsmco 30g 5m 65o 2.104 0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:	
310.00 gmco 30g 10m 60o 4.246 260.00 gmco 30g 30m 40o 3.647 150.00 gsmco 30g 5m 65o 2.104 0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: 1	
260.00 gmco 30g 30m 40o 3.647 150.00 gsmco 30g 5m 65o 2.104 0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:	
150.00 gsmco 30g 5m 65o 2.104 0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory	
0.00 450 GIP 0.000 Total Length: 900.00 ft Total Volume: 11.788 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location:	
Total Length: 900.00 ft Total Volume: 11.788 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:	

Printed: 2013.09.04 @ 14:04:07

54989









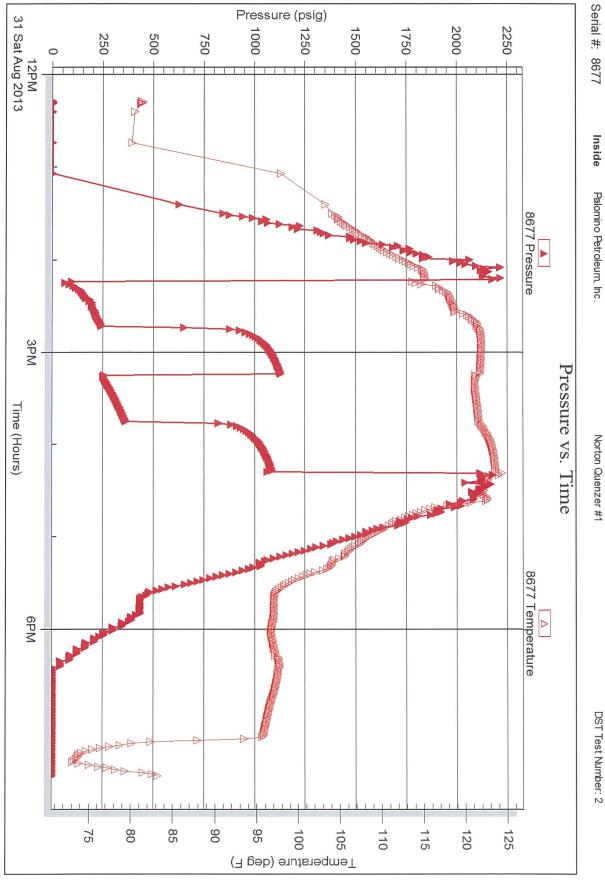
Ref. No: 54989













DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St. Newton, KS 67114

ATTN: Ryan Seib

Norton Quenzer #1

11 17s 26w Ness,KS

Start Date: 2013.09.01 @ 13:06:41 End Date: 2013.09.01 @ 21:48:41 Job Ticket #: 041759 DST #: 3

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

Printed: 2013.09.05 @ 15:24:16

MEU		alomino Petroleum, Inc.			11	17s 26w	Ness,KS		
	ESTING , INC								
		924 SE 84th St. lew ton, KS 67114				-	enzer #1		
					Job	Ticket: 04	41759	DST#: 3	
THOMAS I	A	TTN: Ryan Seib			Test	t Start: 20	013.09.01 @) 13:06:41	
GENERAL	INFORMATION:								
	Mississippian No Whipstock: ened: 16:00:11	ft (KB)			Test	ter:	Conventiona Jeff Brow n	al Straddle (F	Reset)
	ded: 21:48:41				Unit		67	2552.00	ft (1/D)
Interval: Total Depth:	4529.00 ft (KB) To 4548. 4629.00 ft (KB) (TVD)	uuit (NB) (IVD)			Kete	erence Ele	evauons:	2553.00 2543.00	• •
Hole Diameter		ndition: Good				KB1	to GR/CF:	10.00	
Serial #: 8	8679 Outside								
Press@RunD		4534.00 ft (KB)			Capacity			8000.00	psig
Start Date:	2013.09.01	End Date:		2013.09.01	Last Calil			2013.09.01	
Start Time:	13:06:42	End Time:		21:42:41	Time On Time Off		2013.09.01 2013.09.01	•	
229		2009 Tempositure		Time (Min.)	Pressure (psig)	Temp (deg F)	Annotatio	on	
	Pressure vs. Time				PF	RESSUF	RE SUMM	ARY	
Z200	20/9 Hesure	aus lemperature		1		•		on	
2009		Activation .		0	2239.29		Initial Hydr	o-static	
1750			- 115	1	20.52		Open To F	low (1)	
1500			110	30 60	49.84 1171.95	123.15 124.41	Shut-In(1) End Shut-I	n(1)	
1200	A	No.	105 100 100 100	61	52.84		Open To F		
			Temperature	92	78.96		Shut-In(2)		
	/ ↓ ↓	ţ.	(deg F)	122	1109.69	126.10			
750				122	2156.87	126.29	Final Hydro	o-static	
500		* *							
200			אר <u>י</u> גר						
E /									
0 	374 074	SRi							
- E	Three (Hours)					Ga	is Rates		
	Time(Kaus) Recovery					<u> </u>	inches) Pressu	ure (psig) Ga	is Rate (Mcf/c
19.15.07.2013	Recovery Description	Volume (bbl)				Choke (<u> </u>		
19x 5p 200	Recovery Description WM With a scum of oil 20 %	N 80%M 0.70				Choke (<u>I</u>		
Length (ft)	Recovery Description	N 80%M 0.70				Choke (
19x 5p 200	Recovery Description WM With a scum of oil 20 %	N 80%M 0.70				Choke (I		
19x 5p 200	Recovery Description WM With a scum of oil 20 %	N 80%M 0.70				Choke (
Length (ft)	Recovery Description WM With a scum of oil 20 %	N 80%M 0.70				Choke (

RILOBITE					
TESTING, INC.	Palomino Petroleum, Inc.		11 17s 26	w Ness,KS	i de la constante de
	4924 SE 84th St.		Norton Q	uenzer #1	
	New ton, KS 67114		Job Ticket:	041759	DST#: 3
	ATTN: Ryan Seib		Test Start:	2013.09.01 @	0 13:06:41
GENERAL INFORMATION:				· · · · · · · · · · · · · · · · · · ·	
Formation: Mississippian Deviated: No Whipstock: Time Tool Opened: 16:00:11 Time Test Ended: 21:48:41	ft (KB)		Test Type: Tester: Unit No:	Conventiona Jeff Brow n 67	al Straddle (Reset)
nterval: 4529.00 ft (KB) To 45	48.00 ft (KB) (TVD)		Reference	Elevations:	2553.00 ft (KB)
Total Depth: 4629.00 ft (KB) (TV					2543.00 ft (CF)
Hole Diameter: 7.88 inchesHole	Condition: Good		KI	B to GR/CF:	10.00 ft
Serial #:8167Below (StradePress@RunDepth:psigStart Date:2013.09.01Start Time:13:06:55		2013.09.01 21:32:46	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.09.01
FSI-Dead no blow Pressure vs. Tr		Time		JRE SUMM	
		Time (Min.)	Pressure Temp (psig) (deg F		on
Recovery				as Rates	
	Volume (bbl)		Chok	e (inches) Press	ure (psig) Gas Rate (Mcf/d
Length (ft) Description	%W 80%M 0.70				
70.00 WM With a scum of oil 20	85%W 0.60				
	85%W 0.60				
70.00 WM With a scum of oil 20	85%W 0.60				
70.00 WM With a scum of oil 20	85%W 0.60				
70.00 WM With a scum of oil 20	85%W 0.60				

	DRILL STEM TES	ST REP	ORT		
RILOBITE	Palomino Petroleum, Inc.		11 17s 2	6w Ness,KS	}
ESTING , IN	4924 SE 84th St.		Norton	Quenzer #1	
	New ton, KS 67114		Job Tickel	: 041759	DST#: 3
	ATTN: Ryan Seib		Test Start	: 2013.09.01 @	2 13:06:41
GENERAL INFORMATION:	-	4.44.44.44.44.44.44.44.44.44.44.44.44.4			
Formation:MississippianDeviated:NoWhipstock:Time Tool Opened:16:00:11Time Test Ended:21:48:41	ft (KB)		Test Type Tester: Unit No:	: Convention Jeff Brow n 67	al Straddle (Reset)
Interval: 4529.00 ft (KB) To			Reference	e Elevations:	2553.00 ft (KB)
Total Depth:4629.00 ft (KB) ('Hole Diameter:7.88 inches Ho	IVD) Ie Condition: Good			KB to GR/CF:	2543.00 ft (CF) 10.00 ft
Serial #: 6625 Inside Press@RunDepth: psig	@ 4534.00 ft (KB)		Capacity:		8000.00 psig
Start Date: 2013.09.01		2013.09.01	Last Calib.:		2013.09.01
Start Time: 13:06:29	End Time:	21:43:58	Time On Btm: Time Off Btm:		
FFP-Weak blow FSI-Dead no blo Pressure vs.	ow back		PRESS		IARY
(00) 000 (00) 000 (0) 000 (0		Time (Min.)	Pressure Ten (psig) (deg		ion
Recovery				Gas Rates	
Length (ft) Description	Volume (bbl)		CI	noke (inches) Press	sure (psig) Gas Rate (Mcf/d)
70.00 WM With a scum of oil 2 60.00 MW w ith oil spots 15 %					
* Recovery from multiple tests					
Trilobite Testing, Inc	Ref. No: 041759		Prin	ted: 2013.09.0	5 @ 15:24:17

RILOE			o Petroleum, li	nc.		11 17s 26w Ness,KS	;
ES7	TING , INC	4924 SE	E 84th St.			Norton Quenzer #1	
		New ton	, KS 67114			Job Ticket: 041759	DST#: 3
	Í	ATTN:	Ryan Seib			Test Start: 2013.09.01 @	0 13:06:41
Tool Information						*****	
Drill Pipe: Length: Heavy Wt. Pipe: Length: Drill Collar: Length:	0.00 ft	Diameter: Diameter: Diameter:	0.00 inc 3.20 inc	ches Volume: ches Volume: ches Volume:	0.00 bbl 2.04 bbl	Tool Weight: Weight set on Packer Weight to Pull Loose: Tool Chased	
Drill Pipe Above KB: Depth to Top Packer: Depth to Bottom Packer: Interval betw een Packers: Tool Length: Number of Packers:	23.00 ft 4529.00 ft 4548.00 ft 19.00 ft 128.00 ft 2	Diameter:	6.75 inc	Total Volume:	62.62 bbl	String Weight: Initial Final	90000.00 lb 91000.00 lb
Tool Comments:	2	Diameter.	0.75 m	lies			
Change Over Sub Shut In Tool		1.00 5.00			4502.00 4507.00		
Hydraulic tool		5.00			4512.00		
Jars		5.00			4517.00		
-		3.00 4.00			4520.00 4524.00	28.00	Bottom Of Top Packer
Packer		4.00 5.00			4520.00 4524.00 4529.00	28.00	Bottom Of Top Packer
Packer Packer		4.00			4524.00	28.00	Bottom Of Top Packer
Packer Packer Stubb Perforations		4.00 5.00 1.00 4.00			4524.00 4529.00 4530.00 4534.00	28.00	Bottom Of Top Packer
Packer Packer Stubb Perforations Recorder		4.00 5.00 1.00 4.00 0.00	6625	Inside	4524.00 4529.00 4530.00 4534.00 4534.00	28.00	Bottom Of Top Packer
Packer Packer Stubb Perforations Recorder Recorder		4.00 5.00 1.00 4.00 0.00 0.00	6625 8679	Inside Outside	4524.00 4529.00 4530.00 4534.00 4534.00 4534.00	28.00	Bottom Of Top Packer
Safety Joint Packer Packer Stubb Perforations Recorder Recorder Perforations Blank Off Sub		4.00 5.00 1.00 4.00 0.00 0.00 10.00			4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4544.00	28.00	Bottom Of Top Packer
Packer Packer Stubb Perforations Recorder Recorder Perforations Blank Off Sub		4.00 5.00 1.00 4.00 0.00 0.00 10.00 1.00			4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4534.00 4544.00		
Packer Packer Stubb Perforations Recorder Recorder Perforations Blank Off Sub Stubb		4.00 5.00 1.00 4.00 0.00 0.00 10.00			4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4544.00	28.00	Bottom Of Top Packer
Packer Packer Stubb Perforations Recorder Recorder Perforations Blank Off Sub Stubb Packer		4.00 5.00 1.00 4.00 0.00 0.00 10.00 1.00 3.00			4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4534.00 4544.00 4545.00 4548.00		
Packer Packer Stubb Perforations Recorder Recorder Perforations Blank Off Sub Stubb Packer Stubb		4.00 5.00 1.00 4.00 0.00 0.00 10.00 1.00 3.00 1.00			4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4544.00 4545.00 4548.00 4549.00		
Packer Packer Stubb Perforations Recorder Recorder Perforations Blank Off Sub Stubb Packer Stubb Recorder		4.00 5.00 1.00 4.00 0.00 0.00 10.00 1.00 3.00 1.00 1.00	8679	Outside	4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4534.00 4545.00 4545.00 4549.00		
Packer Packer Stubb Perforations Recorder Recorder Perforations Blank Off Sub Stubb Packer Stubb Recorder Perforations		4.00 5.00 1.00 4.00 0.00 10.00 1.00 3.00 1.00 1.00 0.00	8679	Outside	4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4534.00 4545.00 4545.00 4549.00 4550.00		
Packer Packer Stubb Perforations Recorder Recorder Perforations Blank Off Sub Stubb Packer Stubb Recorder Perforations Change Over Sub		4.00 5.00 1.00 4.00 0.00 10.00 1.00 3.00 1.00 1.00 1.00	8679	Outside	4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4544.00 4545.00 4548.00 4549.00 4550.00 4550.00 4550.00		
Packer Packer Stubb Perforations Recorder Recorder Perforations		4.00 5.00 1.00 4.00 0.00 10.00 1.00 3.00 1.00 1.00 0.00 11.00 1.00	8679	Outside	4524.00 4529.00 4530.00 4534.00 4534.00 4534.00 4545.00 4545.00 4548.00 4549.00 4550.00 4550.00 4561.00		

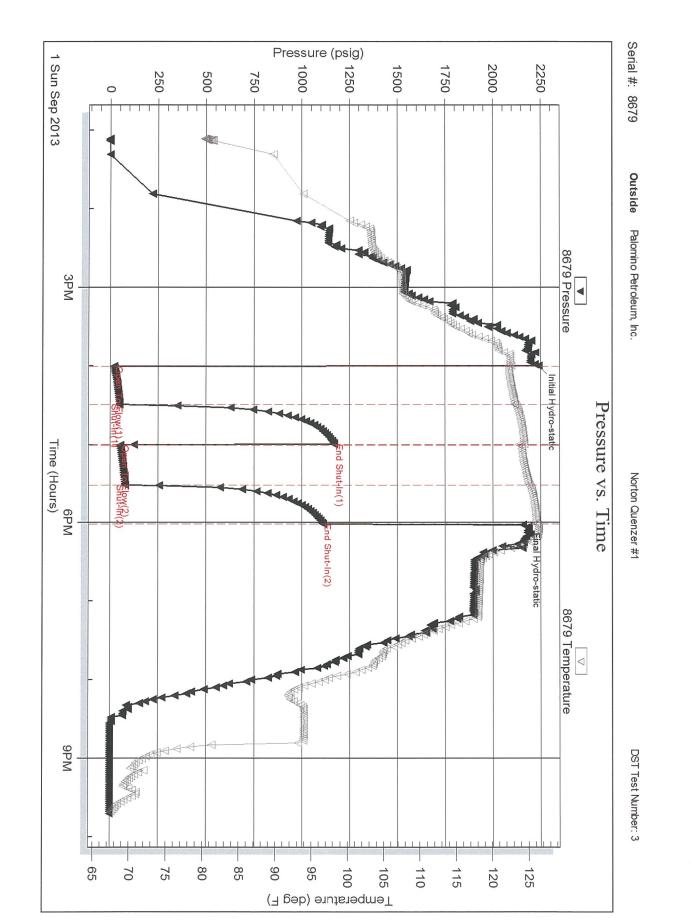
RILOBITE	DRILL STEM TEST REPORT	- FLUID SUMMARY		
HILUBITE	Palomino Petroleum, Inc.	11 17s 26w Ness,KS		
TESTING , INC	4924 SE 84th St. New ton, KS 67114	Norton Quenzer #1 Job Ticket: 041759 DST#: 3		
	ATTN: Ryan Seib	Test Start: 2013.09.01 @ 13:06:41		
Mud and Cushion Information				
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 60.00 sec/qt Water Loss: 9.99 in ³ Resistivity: ohm.m Salinity: 1600.00 ppm Filter Cake: inches	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	Oil API: deg API ft Water Salinity: ppm bbl psig		
Recovery Information				
r	Recovery Table			
Lengt ft	h Description	Volume bbl		
	70.00 WM With a scum of oil 20 %W 80%M 60.00 MW with oil spots 15 %M 85%W	0.696 0.597		
Total Length:	60.00 MW with oil spots 15 %M 85%W 130.00 ft Total Volume: 1.293 bbl	0.597		
Laboratory Nam Recovery Comm				

Printed: 2013.09.05 @ 15:24:18

041759

Trilobite Testing, Inc

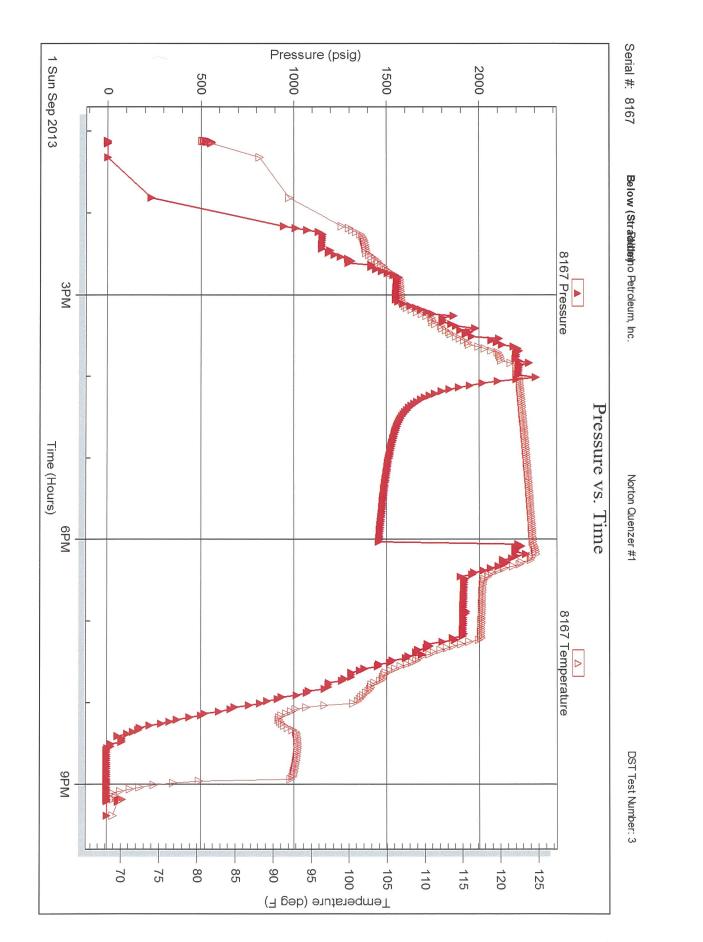






Trilobite Testing, Inc

Ref. No: 041759

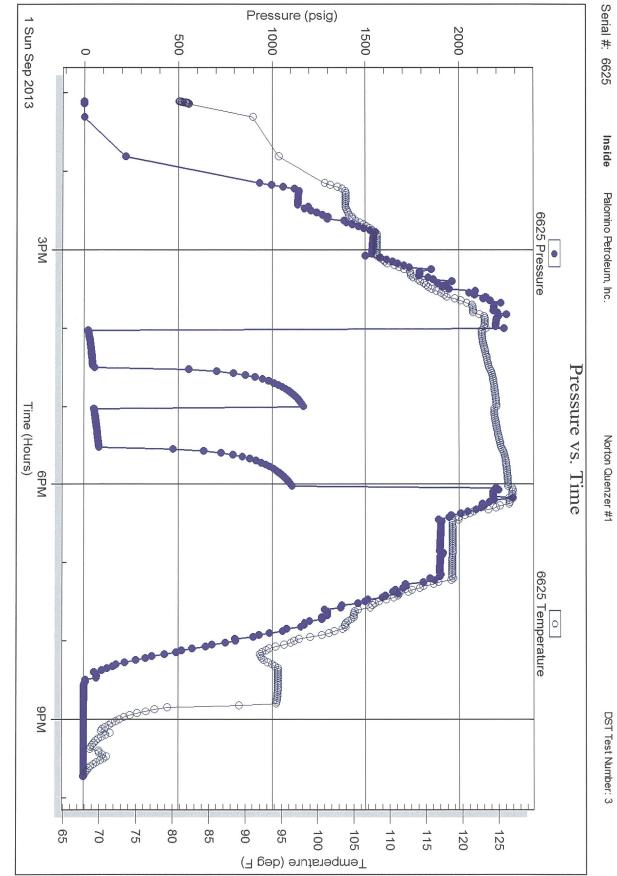




Trilobite Testing, Inc







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4/10	RILOBITE ESTING INC. 1515 Commerce Parkway	• Hays, Kansas 67601		rest Tic NO. 54	:ket 988	
CompanyPa	Norton - Quenze omino Petroleum E SE 844 St. Lynn Seib IV TWP. MS	, Iuc E Newton, Kis	ig Pickre	<u>53</u> кв	2543	3 GL
Anchor Length	4160 4165 433.5	Drill Pipe Run	3945 205 Ø	Vis WL	- 9, 3 58 75 2 [≠]	
<u>15</u> F1 F5 Rec 30	<u> </u>	(OTL SPOTS in Fool)	%gas	%oil	Number 10 Å	
Rec	Feet of	÷ .)	%gas	%oil	%water 100	%mud %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%qas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec Total 30		_ Gravity API R ¹	N — @	← °F Chloric	les —	mqq
(A) Initial Hydrostatic_	· · · · · ·	Test 1250		T-On Location		
(B) First Initial Flow	~ ^	Jars		T-Started	0814	
(C) First Final Flow	— <i>i</i>	Safety Joint 75		T-Open	1026	
(D) Initial Shut-In	1 0/1			T-Pulled	1126	
(E) Second Initial Flow	27	Hourly Standby		T-Out	14:14	
(F) Second Final Flow	11.0	Mileage 109 RT		Comments	· · · · · · · · · · · · · · · · · · ·	
(G) Final Shut-In	737	□ Sampler		•		
(H) Final Hydrostatic		Straddle				······
		Shale Packer			ale Packer	
Initial Open	30	Extra Packer				
Initial Shut-In		Extra Recorder			es	
	30	Day Standby			2.40	
	20	• •				
Final Shut-In	<u>ار ا</u>	Accessibility Sub Total1742.40			:'t	
			4	///	1 CM	
Approved By	liable for damaged of any kind of the property	Our Repr or personnel of the one for whom a test is r s lost or damaged in the hole shall be paid for	esentative	red or sustained, direct	ly or indirectly, through the	e use of its

785	623	1407
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		Test Ticket
4/10 ESTINC	≇ INC. Parkway ∙ Hays, Kansas 67601	NO . 54989
	M, JncElevation_2	<u>Date</u> <u>8/31/13</u> 2553 кв <u>2543</u> с
Co. Rep/Geo. Ryan Seit	, Rig	Pirtvell #1
Location: Sec. 11 Twp. 17	<u>s Rge. 26W Co. Nec</u>	State HS
Interval Tested 4414 4500	2Zone TestedM155 155 (pf	9144
Anchor Length95	Drill Pipe Run 4 9	
Top Packer Depth	Drill Collars Run 20	
Bottom Packer Depth		0 WL 8.4
Total Depth 4501	11.00	n System LCM 2+
Blow Description JFL BOB @	4 Min	•
TST! Ho Sulfa	e Kelwa	
F: BOB @	7 MIN.	
FSI: No refui	v1	
Rec 150 Feet of 65MCC	30 %gas 65	5 %oil %water <u>5 %n</u>
Rec260Feet of <u>GMCO</u>	<i>30</i> %gas	40 %oil %water <u>30</u> %n
Rec 310 Feet of GMCO	30 %gas 6	Ö %oil %water / & %r
Rec. 190 Feet of <u>6400</u>		0 %oil %water 30 %r
Rec Feet of	450'GIP %gas	%oil %water %r
Rec Total900 BHT	25_Gravity_36_API RW@	F Chlorides
A) Initial Hydrostatic 2164		T-On Location
B) First Initial Flow4	<u></u> yaa, buli <u></u>	T-Started 12:16
C) First Final Flow 241	· · · · · · · · · · · · · · · · · · ·	T-Open1414
D) Initial Shut-In	Circ Sub <u>N/c</u>	T-Pulled 1614
E) Second Initial Flow 257	Hourly Standby	T-Out 1936
F) Second Final Flow364		Comments
G) Final Shut-In 1085	Sampler	
H) Final Hydrostatic 2115	Straddle	- 🛛 Ruined Shale Packer
	Shale Packer	
nitial Open3		
2	C Extra Recorder	
nitial Shut-In		
nitial Shut-In	フ	
	∂ Day Standby	Total 1742.40

Infloore lesting 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.

4/10 RILOBITE ESTING INC P.O. Box 1733 • Hay		Test Ticket NO. 041759
Interval Tested 4529 - 4548 Anchor Length 19 Anchor 81 Top Packer Depth 4524 Bottom Packer Depth 4524 Total Depth 4578 Blow Description 14- Weak Blow Bo ISJ-Deed No Blow	4M INC Elevation 25 NewTON KS 67 Rig PicK(- Rge. 26 W Co. NCSS Zone Tested Miss Tail Drill Pipe Run 43/9 Drill Collars Run 205 Wt. Pipe Run 0 Chlorides 1600 ppm S Dil To 3 IN Back	53 KB 2543 GL 114 114 State KS Mud Wt. 9.4 Vis LoO WL 10.0
BI-Dead NO Blow Rec 70 Feet of WM With Rec 200 Feet of MW With	ASCUM Of oil "gas	%oil 20 %water 80 %mud %oil 85 %water \$5 %mud
Rec Feet of Rec Feet of Rec Feet of	%gas %gas %gas	%oil %water %mud %oil %water %mud %oil %water %mud
	Gravity API RW, 325 @ Test 1250 Jars 250 Safety Joint 75 Circ Sub Hourly Standby Mileage 160 RT 167 Sampler Straddle 600 Shale Packer Extra Packer	72.9 °F Chlorides 20,000 ppm T-On Location 12:20 T-Started 13:00 T-Open 16:00 T-Pulled 18:00 T-Out 21:48 Comments
Initial Shut-In 30 Final Flow 30 Final Shut-In 30	Extra Recorder Day Standby Accessibility Sub Total _ 2342.40	Extra Copies Sub Total Total2342.40 MP/DST Disc't

Approved By ______ Our Representative ______ Upper Upper Distance 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.