KOLAR Document ID: 1460912

Confident	iality Requested:
Yes	No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION Form ACO-1 January 2018 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.:			
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:			
☐ Oil ☐ WSW ☐ SWD □ Gas □ DH □ EOR	Elevation: Ground: Kelly Bushing:			
	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 EOR Conv. to SWD	Drilling Fluid Management Plan			
Plug Back Liner 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 #: EOR 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 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 Drill Stem Tests Received				
Geologist Report / Mud Logs Received				
UIC Distribution				
ALT I II III Approved by: Date:				

KOLAR Document ID: 1460912

Operator Name:	Lease Name: Well #:
Sec TwpS. R East 🗌 West	County:

Page Two

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 Sh				Log Formation (Top), Depth and Datum Sa			Sample		
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	pe of Cement # Sacks L		d	Type and Percent Additives			
Protect Casing Plug Back TD Plug Off Zone									
2. Does the volume of the	1. Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3) 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No (If No, skip question 3) 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, skip question 3)								
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Oil Bbls. Gas Mcf Per 24 Hours		Mcf	Water Bbls. Gas-Oil Ratio Gravity				Gravity		
DISPOSITION OF GAS: METHOD OF			IETHOD OF COM	F COMPLETION: PRODUCTION INTERVAL: Top Bottom					
Vented Sold (If vented, Subn	ed Sold Used on Lease Open Hole Perf. ((If vented, Submit ACO-18.)			-	·	nit ACO-4)	юр	Bollom	
Shots Per Perforation Perforation Bridge Plug Bridge Plug Foot Top Bottom Type Set At		Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)			
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion		
Operator	Palomino Petroleum, Inc.		
Well Name	CHRISTIANS 2		
Doc ID	1460912		

All Electric Logs Run

Micro
Dual Induction
Borehole Compensated Sonic
Dual Receiver Cement Bond

Form	ACO1 - Well Completion	
Operator	Palomino Petroleum, Inc.	
Well Name	CHRISTIANS 2	
Doc ID	1460912	

Tops

Name	Тор	Datum
Anhy.	835	(+1098)
Base Anhy.	862	(+1071)
Howard	2700	(- 767)
Topeka	2740	(- 807)
Heebner	3015	(-1082)
Toronto	3031	(-1098)
Brown Lime	3102	(-1169)
Lansing	3119	(-1186)
ВКС	3366	(-1433)
Arbuckle	3373	(-1440)
LTD	3528	(-1595)

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	CHRISTIANS 2
Doc ID	1460912

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.250	8.625	20	372	80/20	2% gel, 3% c.c.
Production	7.875	5.500	17	3511	SMD/EA-2	2% gel, 3% c.c.



BILL TO	
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827	FEB 04 2018

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	lo.	Lease	County	Contractor	We	II Туре	W	ell Category	Job Purpose		Operator
Net 30	#2		Christians	Barton	WW Drilling Rig		Oil	D	Development	Cement Long St	tr	Jonathan
PRICE	REF.			DESCRIPT	ION		QTY	'	UM	UNIT PRICE	A	MOUNT
575D 578D-L 290 221 281 403-5 406-5 407-5 409-5 419-5 330 325 284 283 285 276 581D 583D		Pum D-A Liqu Mud 5 1/2 5 1/2 S sift Stan Calse Salt CFR Flocc Serv Dray Subt	id KCL (Clayfix I Flush 2" Cement Baske 2" Latch Down P 2" Insert Float Sh 2" Turbolizer 2" Rotating Head t Multi-Density S dard Cement eal -1 ele ice Charge Ceme yage) t lug & Baffle oe With Auto Rental Standard (MID				5 550 50 50	Each Each Each Each Each Sacks Sacks Sack(s) Lb(s) Lb(s) Lb(s)	5.00 1,300.00 42.00 25.00 1.50 275.00 250.00 325.00 85.00 200.00 16.25 13.00 35.00 0.20 4.50 2.50 1.75 0.85 7.50%		300.00 1,300.00 126.00T 100.00T 750.00T 275.00T 250.00T 2,031.25T 1,300.00T 175.00T 110.00T 225.00T 125.00T 125.00T 393.75 584.54 9,165.54 494.04
We A _f	pre	cia	te Your I	Business	ş!				Total	I		\$9,659.58

SWIFT OPERATOR	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 CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GDODS AND ALL AND ALL AN	4007 4007 4109 4119		Services, Inc. Services, Inc. Services, Inc.
	Inowledges and agrees to side hereof which include, EASE, INDEMNITY , and AGENT PRIOR TO AGENT PRIOR TO CI AM.			RUCTIONS
		Latek Janun Plug + Baffle Insert Float Shoe W/Anto- Turbolizer- Rotating Head Rental	MILEAGE #113 Parap Charge - Long String D-Air Lignia KCL Muditush Muditush Carnent Basket	CHARGE TO: Palomino Jetro Jeun ADDRESS CITY, STATE, ZIP CODE LEASE Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians Christians
ges receipt of the materials and services listed on this ticket	SURVEY AGREE UN- DECIDED R EQUIPMENT PERFORMED DECIDED THOUT BREAKDOWN? UNDERSTOOD AND UNDERSTOOD AND Image: Construction of the second of the s		$\begin{array}{c} (a) \\ (a) \\$	ANT NO.
Thank You!	AGREE Age 1 4221 20 AGREE Age 2 4221 20 Age 2 4944 54 Age 2 4944 54		300 1300 126 750 275	DATE DATE WELLLOC

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																		SECONDARY REFERENCE/ PART NUMBER	N	
	21	ل لا ا				 	 		 	 		 <u>ل</u> ا	ຂ	2	2	ي	2	ACCOUNTING LOC ACCT DF	Ness City, KS 67560 Off: 785-798-2300	PO Box 466
		SERVICE CHARGE CEMENT										Flocele	0.FR-1	1 Salt	Calsed	Standard Cement	Swift Multi Density Standard	TIME	ausrome Blamino letroleym	TICKET CONTINUATION
	101 WILES 687,69	cumerter 225 SKS	 	 · · · · · · · · · · · · · · · · · · ·	 	 	 		 			 50 1/65	50 165	500 1bs 550	5/5/	100 1585	5 5 8 5	QTY UM QTY UM	"Christians #2	
CONTINUATION TOTAL 494454	0 85 584 54	393	 		 	 te	 -			 		 2 1 25 25				1300	h		DATE /29/19 PAGE OF	TICKET No. 2779/

JOB LO				Ő	SWIFT	[Seri	vices. Inc.	DATE PAGE 01/29/19 1
CUSTOM Balan	ino Petra	lenem	WELL NO.		LEASE Christ	ions	JOB TYPE	TICKET NO. 2779
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR	RE (PSI) CASING	DESCRIPTION OF OPERAT	ION AND MATERIALS
	1330					CASING	On location w/Fl	
				·····			RTD-3530'	
							LTD-35281	· · · · · · · · · · · · · · · · · · ·
							Total Pipe Ran-	77 (b)
							Shoe Jt - 42	
								13.17
<u> </u>					-		Turbo's - 1, 3,5, 7, 10, Basket - Btrof 4	
	1545			E			Started Casing w/ Ele	ant Equipment
	17 45						Started Casing 13/ Flo Break Circ on Bot	tom
	1855						Hook no to Swift	
	1900	2	7				Plug RH. N/30 sks Pump Mudflush	
		5	12			400	Pump Mudflush	
		5	20			488	Pump KCL Spacer	
	1920	4			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	400	Start SMD CMT (Fin SMD, Start EA	2 11.2 ppg
			52				Fin SMD, Start EA	1-2 Cmt
	1945	<u> </u>	76			UAC	Fin Cmt	
	1950				3		Drap Alug Washout Aumpos	
	10 +		3				Washout Pumpan	Lines
	19.50	71/2	5-			llac	Start Displacement Catch Cont	
		/	52			400	Catch Cint	·······
		1	60 11			1180	Lift ASI 1100 #=	Ł
	2000		50 1/2			600	Land PSI 1400 #	
	2005						Release Truck, Dry	
						4	Parking	4
	2020						Release Truck, Dry Washing Racking Job Complete	°⊌. ≉
							Ihank	5
							Jon, An	's stin, Isaac
						·		

RECEIVED

JAN Z 8 ZU19



QUALITY OILWELL CEMENTING, INC.

PO BOX 32 – 740 WEST WICHITA AVE, RUSSELL KS 67665 PHONE:785-324-1041 FAX:785-483-1087 EMAIL: cementing@ruraltel.net

Invoice

Date: 1/24/2019 Invoice # 1183

P.O.#: Due Date: 2/23/2019 Division: Russell

Contact: Palomino Petroleum Inc Address/Job Location:

4924 SE 84th Newton Ks 67114

Reference: CHRISTIANS 2 SEC 20-16-12

Description of Work: SURFACE JOB

Cement for surface on # 2

		1							
Services / Items Included:	Quantity	Price	Taxable	, /	ltem	Q	uantity	Price	Taxable
Labor		\$ 657.71	No						
Common-Class A	145	\$ 2,201.96	Yes	174					1
Calcium Chloride	7	\$ 288.97	Yes	1					
POZ Mix-Standard	35	\$ 180.61	Yes	/					1
Bulk Truck Matl-Material Service Charge	190	\$ 140.06	No						
Pump Truck Mileage-Job to Nearest Camp	27	\$ 89.57	No						•
Bulk Truck Mileage-Job to Nearest Bulk Plant	27	\$ 69.66	No						
Premium Gel (Bentonite)	3	\$ 64.13	Yes						

/

This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

·	_			-	2886107		
Phone 785-483-2025 Cell 785-324-1041	Hom	e Office F	P.O. Box	32 Ru	ssell, KS 67665	No	- 1183
Date 1-24-19 20		Range	Bart		State K5	On Location	Finish 4:1599
1.0	<u> </u>		Location		- East stale	Blackton -	1/8 N to 10
Lease Christi	ans Well	No. 2		wner Rit	on West side		the quord
Contractor WW H14		¥	To	Quality C	ilwell Cementing In		4.1
Type Job Surface		4	YO Ce	u are here menter ar	eby requested to ren Id helper to assist ov	t cementing equipment	nt and furnish do work as listed
Hole Size 12141	T.D.	3721		harge	alamino	retroleum	
Csg. 8 3/8"	Depth	3721		reet		1-1-10-11	
Tbg. Size	Depth		Cil		·	State	
Tool	Depth				as done to satisfaction	and supervision of owne	
Cement Left in Csg. 15	Shoe Joint	15			ount Ordered 180	Pro / _ Pli	2% (N
Meas Line	Displace	12314 1	3 <u>(</u> 5)		100	120 0000	<u>v 4. (nv)</u>
EQUIPI			·····	mmon /	UL .		
Pumptrk 6 No. Cementer	and			z. Mix	<u>7.)</u> 25		
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JOB SERVICES	& BEMARKS		·····			······································	
Remarks: Cement did	/	1 1	Hu Sa				
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//A	n L	1				Discount	
Signature		m				Total Charge	

PALOMINO PETROLEUM, INC.	Í, INC.
Scale 1:240 (5"=100') Imperial Measured Depth Log	
Well Name:Christians #2API:15-009-26249Location:NE - SE - NW - SE of Sec. 20 16s 12wLicense Number:30742Spud Date:1/23/2019Surface Coordinates:1965' FSL & 1560' FEL	Region: Barton County, KS g Completed: 1/28/2019
Bottom Hole Same as surface coordinates Coordinates: Coordinates: Coordinates: K.B. Elevation (ft): 1933' Ground Elevation (ft): 1922' K.B. Elevation (ft): 3530' Logged Interval (ft): 2600' To: 3530' Total Depth (ft): 3530' Formation: Arbuckle Dolomite @ Total Depth (ft): 3530' Type of Drilling Fluid: Chemical Drispac Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com	333' 530' stems 1-800-447-1534 www.WellSight.com
OPERATOR Company: Palomino Petroleum, Inc. Address: 4924 SE 84th St. Newton, KS 67114	
GEOLOGIST	
Name: Eli J. Felts Company: Gravity Oil, LLC Address: 954 Prairie Park Road Wichita, KS 67218 E: ejfelts47@gmail.com, C: 316.204.5059	
Formation Tops	
SAMPLE TOPS LOG TOPS	
Anhy 839 (+1034) Anhy 835 (+1033) Base Anhy 860 (+1073) Base Anhy 835 (+1073) Howard 2706 (-772) Howard 2700 (-767) Topeka 2706 (-772) Howard 2700 (-767) Topeka 2742 (-809) Topeka 2740 (-807) Topeka 2742 (-809) Topeka 2740 (-807) Topeka 2742 (-809) Topeka 2740 (-105) Toronto 3037 (-1167) Heebner 3015 (-105) Brown Line 3108 (-1176) Brown Line 3102 (-105) BIKC 3357 (-1174) Brown Line 3102 (-1168) RTD 3530 (-1597) LTD 3356 (-143) RTD 3530 (-1597) LTD 3528 (-168)	835 (+1088) 832 (+1071) 832 (+1071) 2700 (-767) 2710 (-807) 2015 (-1082) 3031 (-1088) 3102 (-1169) 3102 (-1169) 3356 (-1433) 3528 (-1440) 3528 (-1595)
Drilling Report	
1/23/19 Moved in WW Drilling, L.L.C. rotary tools (Rig #14). Spudded at 7:45 p.m.	45 p.m.
1/24/19 Tripping in hole with bit at 258'. p.m.	
1/25/19 Drilling at 693'.	
1/26/19 Drilling at 2153'. Geologist on location @ 8:30 PM. Samples started @ 2700'	
1/27/19 Drilling at 2926'.	
1/28/19 DST #1 (Arbuckle)	
1/29/19 Logging at 3530'. Ran 5.5" 17# Oil String of Casing	
Discontinu	
Pipe Setting Ran 8 jts. new 8 5/8" 20# surface pipe set at 372' and cemented with 180 sacks 80/20, 2% gel, 3% c.c.	cs 80/20, 2% gel, 3% c.c. Cement did

	Ran 8 jts. new 8 5/8" 20 circulate. Plug down at Ran 84 jts. new 5.5" 17# bbls. KCL water and ce Plug down @ 8:00 pm. F 3426' FDCs at 3402' and Centralizers @ 3469',34	' 20# surfa 1 at 4:15 p 17# casin cemented m. Pressu and 3411' ,3426',33;	rface pip p.m. ing set 1 ed with 9 ured to 1 1'. 327',320	Pipe Setting Ran 8 jts. new 8 5/8" 20# surface pipe set at 372' and cemented with 180 sacks 80/20, 2% gel, 3% c.c. Cement did circulate. Plug down at 4:15 p.m. Ran 84 jts. new 5.5" 17# casing set 17" off bottom @ 3511'. Pumped 500 gal mud flush with additives followed by 20 bbls. KCL water and cemented with 95 sacks SMD cement and 100 sacks EA-2 Cement. Had 1100# lift pressure. Plug down @ 8:00 pm. Pressured to 1600#, released & held. Plugged rat hole with 30 sacks SMD cement. Basket @ 3426' FDCs at 3402' and 3411'. Centralizers @ 3469',3426',3327',3201',3074',2498' and 2279'. Shoe joint = 42.12'	80 sacks 80/20, 2% gel, 0 gal mud flush with adc cks EA-2 Cement. Had 1 at hole with 30 sacks SN mt = 42.12'	, 3% c ditives MD ce	c.c. Cement did s followed by 20 lift pressure. ement. Basket @
No. Contraction				DSTs			
	DST #1 - Arbuckle Interval: 3358'-3405' (47' Anchor) Test Times: 10-30-10-30 IF: BOB in 12 seconds	-					
	ISI: no BB FF: BOB 8 seconds FSI: wk surface bb, died in 20" Recovery: 2200' TF + 60' GIP 2080' GMCO (80% O) (10%G)(120' GMWCO (70% O) (10%G)(SIP:11099-1102# FP:736-784# to 899-985#	1 in 2 0' GIF 0%G 10%C	ds b, died in 20" FF + 60' GIP 6 O) (10%G)(10%M) % O) (10%G)(10%M)(10%W) 99-985#	10%W)			
	Hydrostauc: 1680-1644 Temp: 108 deg F Gravity: 35 API						
	Anhy and Ch Anhy Bent Anhy Cht Clyst	000	Coal Congl Gyp	ROCK TYPES	Shcol Shcol Sitst Sitst Till	0	Cfs
Circulating Stops	Curve Track 1 ROP (min/ft) Gamma (API)	SWOAR NO	Lithology	Geological Descriptions	scriptions		DSTs/Mud/Surveys, etc.
	ROP (minth) Gamma (ABP) 810- 820- 820- 820- 820- 830- 820- 820- 820- 820- 820- 820- 820- 82			Anhydrite Top 335' (+1098')			
	860		S220	A nhvdrite Base 862' (+1071')			
o	880 880 880 880 880 880 880 880						

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110		the set of the second second	
			Plugged Bit @ 2622' TOOH
	*Tops have been adjusted to Gemini Wireline Logging tools & sa lagged. Ran the following Open Hole Logs >CNL/CDL >Dual Induction >Sonic >Sonic	mples have been	deologist Eil J. Felts on Location Geologist Eil J. Felts on Location 1/26/19 @ 8:30 PM Depth on arrival : 2622' Status: TIH <i>w</i> bit following plugged bit
	SH - grey to green, slity to sI sandy in few; many soft, grey - mush	-mushy shales	Conn @ 2662'
Howard 2700'(-767')	SH SH SH SH SH SH SH SH SH SH SH SH SH S	su s	conn @ 2883" 10' Samples & 1' Drill Time Start @ 2700'
	SH - grey to it grey, soft to slity; sI sandy ip; claybound, fine grained, mica ip	ed, mica ip	WT-8.6+ / VIS-49 / LCM-1# Conn @ 2725 [′]
	LS - cream-gry - brown; fine to med xln; foss ip w re-xih banding; trans shaley ip, sl chalky BH - mst as above; flood LS - cream to brown, fine to micro xln; dense; foss ip, trace argillaceous, poor visible porosity; ns LS - grey to brown, fine xln; argillaceous ip w abundant foss; sl chalky ip	; trans shaley ip, sl ense; foss ip, trace halky ip	Com @ 2757"
	LS -cream to grey, brown, fine to med xln; grey is w/ dark grey foss; bm is -fine xin, LS -cream to grey, brown, fine to med xln; grey is w/ dark grey foss; bm is -fine xin, dense; trace pcs argillaceous is LS -cream to grey, fine to med xln; foss ip, abundant argillaceous is & shaley stringers LS -cream to grey, fine to med xln; foss ip, abundant argillaceous is & shaley stringers throughout, few pcs blocky fn xln LS	s; bm ls - fine xin, Is & shaley stringers	Conn @ 2788'
	LS - cream to grey, mst fine xln; foss ip, most blocky, dense, fiss ip; trace chalky, poor vis	o; trace chalky, poor vis	Conn @ 2820'
	LS - cream to grey, fine xin, foss ip, some sdy txture w/ it brown mineral stn; few traces chert. anv-brown. opaque & foss, vitreous. few pos it arev sh. soft to mushv in some	neral stn; few traces to mushv in some	

	Conn @ 2852' WT-8,9 / VIS-46 /LCM-1#	Conn @ 2844	WT-9.0/VIS-44/LCM-1# Date: 1/27/2019 Time: 7 AM Hole Depth: 2926' Bit Depth: 2926'	Status: Drilling	9.0WT 43VIS Mud-Co Report Time: 8:05AM Depth: 2965 WI: 8.9 VIS: 46 LCM: Trc	WL: 10,4 CHL: 10,800 Conn @ 2980'	Conn @ 3011'	Conn @ 3043'	Conn @ 3075'
LS - cream to grey, fine xin, foss ip, some sdy txture w/it brown mineral stn; few traces chert, gry-brown, opaque & foss, vitreous, few pcs it grey sh, soft to mushy in some	LS - cream to grey, fine to med xin, si sandy texture ip, argillaceous in some w/ chalky texture; vs ques show in chalky lime, flakey oil tied up in chalk	LS - cream to grey, fine to med xin; argillaceous; trace fine to micro xin, few chert; v. few pos dark carb shale, abundant white chalk 8H - shades of grey, soft & silty	LS- cream to it grey, tan, fine xin in most; abdt foss; overall soft; argillaceous w/ trace it brown stain; no odor or show; trace shale contacts LS- cream to grey, fine to med xin, foss; argillaceous; siity to sandy texture in part; trace CH - grey to white, vitreous & sharp LS- cream to grey, fine xin, sandy ip, abundant foss; argill in most; soft	LS - cream to grey, fine to med xin; abdt foss; argillaceous in most; traces black carb shale LS - cream; v chalky txture, soft w/ trans to SH - grey to it grey & soft	sparin some; ques I chert; brown,	LS - cream to tan, mst as above; trans to CH -dark grey, vitreous, sharp & fresh; no visible porosity or weathering LS - cream to tan, grey, fine to med xin; chalky txture, sI sandy Ip wi sI it brown staining; abdt chalk; no odor, ns; trace CH; poss cavings	LS - cream to grey, sm brown; fine to med xln ip; argillaceous ip; overall dense; ns LS - tan to It brown, med xln, sI dense; trans to fine xln; few foss; dense SH - dark brown; org, sI pyr xln ip; carb, micaceous; ques show gas	lalky ip, o	оп - v. smaalar aa, uade sand , it grey to green, tine grained , micadeous w shaley matrix SH & SS, grey, soft & micadeous SH - grey to green, soft, abundant mushy; cup washes grey w' watery shales SH - yaricoloned' crev . отеан - стеан - стеан - стеан - теан и мисни - fear clinthi candur fina ми w
	11111111111111111111111111111111111111								
	King Hill Shale 2862' (-929)			Queen Hill Shale 2928 (-3955)					

	SH &	SH & SS, grey, soft & micaceous	
			Conn @ 3075
	в-ж	SH - grev to green, soft: abundant mushv: cup washes grev w/ waterv shales	
		SH - varicolored; grey - green - cream; most soft & mushy ; few slighly sandy; fine grn w/	
Brown Lime 3102' (-1169')	dark in 100	iciusions; claybound matrix	
	LS-ta	LS - tan to brown; fine to micro xin; foss ip; dense, blocky - sharp break	
		•	Conn @ 3106
Lansing 3119' (-1186')			
	TS - cre	LS -cream, mst fine xin; chalky, few pcs w/ ool & intra-ool porosity; sl edge & It brown staining in fractured	
	0	ite, fine xin w/ chalky txture; si pp & small vuoqy porosity ip: fair amnt edge stain w/ yssto: increase	
			Conn @ 3138
	LS-Ch	eam to white: fine xin & chalky: si sucr txture in some: noss si doi sm re-xin snarur	
		carries mines mine and commy, stand avaire in some, poss stand, sim levall span wi obledod borosifiv in: ves if hown - did fo *clinery withorase on heads' faint and	
		odor: si scattered viw fluor in few w/v.slow weeping cut 40% shalev	
0			
		eam to grev - brown. fine to med xin: foss: argillaceous in many abundant shales	
	through	throughout: trace cup odor: nsfo	
N			
	Andrew Constant and Andrewson		
		eam, fine to med xin; mst lithographic, platy; few pcs w ool & re-xin porosity	
A		(edge) si scatt it staining wittace clingy oil on break; ~10% pcs fluor wi slow weeping cut;	
	uace o	dor, tace pcs CH; flood shaley	Conn @ 3170'
/			•
		eam. fine xin. most lithootraphic: few tre pcs aar trans brown fine to micro-vin: cl	
	STATEMENT STATEMENT STATEMENT	foss, dense; smre-xin ip; shalev ip	
	SH - div	>	
		eam: fine xin. foss in w/trace nos w/ool & intravin nonosity: fair spotted stain: trace	
	sfo. cli	ed organity into any room of the age poor who do a mutaking portarity, rail spouled statily, used store the store year there year of a construction of the store year of the s	
		SH- varicolored; green to gry, brick red; most block & firm; fiss in part; few pos soft &	
0 ROP (min/ff) 10	320 H H H H H	/; scattered argillaceous LS - foss	Conn @ 3202'
(Gamma (API)	Regional Accession of Contract Regional Accession of Contract Regional Accession of Contract		
		eam to tan; caramel; fine to med xin; abdt oolites; ooc porosity throughout w/	
		partial re-xin porosity; v. fissile; trace pc w/ it brown stain; ssfo on break; dark, sticky oil;	
		ange to ylw fluor; inst ring forms in pcs w/ ylw fluor; fair odor in cup	
	SANDA DECAMPTOR AND		
		S v cimilar as above: rate nos wi cfo: overall barren wi abundant aboli	
		טווווואו אט אאטירט, ואור איט זוו טוט, טירנומון אמונקון זא מאטוועמוון טוומוא	Conn @ 3233'
	ADDRESS CONTRACTOR CON		•
	LS-tar	 tan to brown, fine to micro-xin; foss ip; dense, blocky; trace shaley; grey to dark 	
	(alp		
	325 H H No San	No sample caught - shift change	
		aam to tan, fine xin; lithographic, blocky & dense; ~25% sh - grey, blocky & firm,	9.3WT 40VIS
		momea green ip	
		1 S. cream to hraum fina to mismach. Alacha 8 damaer and an and a second in a second and a second and a second	
	hue; sh	bue; shaley w green-grey shales	CUIII (@ 2502
		LS - cream, fine to med xin; ool & ooc w poorly interconnected porosity; sm re-xin	
0		ig ip writair visible porostry; overall barren; (2) pcs writair ap good odor in cup wr	
	cut w/b	ren to good short on on the sam, good gassy preduity show with room ito, illist suedrining cut with bright view staffing	
			WT-92/VIS-40/LCM-TRACE
	LS-cre	am, med xin, foss w/ abdt oolites; fair intra-foss porosity w/ secondary xin	
	porosit	porosity; scatt it brown stain, even ip, ssfo in several pos wi increase to fair show on	
X	break; 1	tair odor; spty dull yellow fluor; inst streaming cut	
○		ite off white: fine to si med yin: v challov through furnishing who set weeks more	
		cavings; v. title to no vis porosity; faint cup odor; trace poor dull yellow fluor.	
		above; few pcs med xln w/ intrafoss porosity packed w/ chalk: increase chalkv	WT-9.3 / VIS-40 / LCM-TRACE
		pcs; faint cup odor w vssfo on break; v, poor visible porosity; overall chalky;	The second s
	anna anticona lutar		
A		stty cream. some it tan to brown; fine to med xin w/ heavy chalk, si foss ip w/ few	Conn @ 3329'
		pos wi intrafoss & edge porosity; ssfo in few pos, increas on break wi ssg; bleeds it	
	dolden		Date: 1/28/2019 Time: 7:35.0 M
			Hole Depth: 3405
		LS - day trans to med Xin, brown, foss, argillaceous ip w/ green to red hue; scatterd shales, rises fo red Annee & Howky	Bit Depth: NA
anna hanna h	Arear A	ο rea, dense & procky	Statue: TIL w/ DCT #1 IA Munully

Date: 1/28/2019 Time: 7:26AM Hole Depth: 3405' Bit Depth: NA Status: TIH w/ DST#1 (Arbuckle)	DST #1 - Arbuckle Interval: 3358'3405' (47' Anchor) Test Times: 10-30-10-30 IF: BOB in 12 seconds	ISI: no BB FF: BOB 8 seconds FSI: wk surface bb, died in 20" Recovery: 2200' TF +60' GIP 2080' GMCO (80% O) (10%G)(10%M)(10%W) 120' GMWCO (70% O) (10%G)(10%M)(10%W) SIP:1099-1102#	FP:736-784# to 899-986# Hydrostatic: 1680-1644 Temp: 108 deg F Gravity: 35 A PI Adding Tank Mud Immediately following DST #1. "Sample quality	very poor; mosty shales & abundant carry over Conn @ 3424	Conn @ 3456'	WT-92/VIS-49/LCM-1# Gemini Wireline Loggers on location @ 1AM to run open-hole logs	Date: 1/29/2019 Time: 6:55 AM Hole Depth: 3530' Bit Depth: NA Status: Finished Logging @ ~6AM. Ran 5.5" oil string of casing Ran 5.5" oil string of casing
golden "clingy" oli; fair cup odor; overall weak to fair show; faint cup odor remains LS - aa, trans to med xin, brown, foss, argillaceous ip w/green to red hue; scatterd shales, green to red, dense & blocky	LS - cream to brown, fine to microxin; argiil ip, blocky & dense, trace pyrite; loose shales grey to green, mottled ip, no odor, nsfo LS - cream to tan, it gry, fine xin; lithographic, blocky & dense, foss ip, shales aa, few clusters SS - gry, v. fine grained, micaceous ip, claybound ; trace chert, varicolored banded in LS SH - reds to brick, green to grey, stcky shales	LS -cream to brown, fine to micro xin, argillaceous ip w green hue; foss in some; abdt shales, aa, sm motied .LS -cream to white; med xin, foss, oolfic w fair gd intrafoss & rexin porosity; few clusters w large dolomite xin der; med large xin (clear), rhombic w some fine to med xin dolomite der; fsb on edges w increase on break; Itbrin to gold fo; fair cup odor; scat dul yw fluor; inst strm cut, abdt red & whitsicky shales foolomite; cream to white tan, med to coarse xin; vug ip; scattered cherts w dissolution porosity; ~30%	Dolomite - cream to It tan, med to coarse xin; good intraxin porosity & -50% visible saturated stain (sm pos barren) fair to good friability wi good show free oil wi increase on break; bright yiw fluor wi institt blue streaming cut, good cup odor & oa show Dol - aa, mostly med xin; several pcs in contact wi chert, show quality identical wi si decrease in pcs wi saturated stain Flood SH - varicolored, grey - green, abdt mottled; some red, loose pyrite; -15%. Dolomite - white to it grey, med xin wi fair to moderate visible porosity; appears more tight than previous samples wi poor to moderate friability; poor to fair saturated stain; fsio on break.	-60% Sit, ar: Dol -cream to white, med to coarse xin in most sm fine xin & dense; fair to good show fo in med xin dol; fair to good friability w' v. good show on break; abundant loose pyrite & pyrite xin dev in dolomite. Cup washes red: mostly shales & trip trash. Cup washes red: mostly shales & trip trash. Dol -cream to white; it grey, fine to med xin, fair interxin porosity; barren in most w' prevalent pyrite dolor -cream to white; it grey, fine to med xin, fair interxin porosity; barren in most w' prevalent pyrite dolor -cream to white; it grey, fine to med xin; fair interxin porosity; barren in most w' prevalent pyrite dor remains. Dol -cream to white; it grey, fine to med xin; fair interxin porosity; por to show for the advect and the samples; appears 'clingy' on break; fair cup dor remains. Dol -white to cream, it grey, mat fine xin; few pcs w's l pp.4 sm vuggy porosity; pp show it bm -gld free oli; w dense(wont crush) few pcs w' green glauc inclusions & pyrite; slow weeping cut w' dull yellow fluor	Dol -cream to white; it grey, mst fine xIn; aa, increase pyrite w/ several banded streaks pyrite; trace green-grey shales; several pcs med XIn w/ fair interxIn porosity, uneven stain in few w/ vssfo ip; increase on break (poss cavings) Dol -cream, fine to si med Xn; fair interXIn porosity, moderate friability in most 95% barren; 2 pcs w/ std stain w/ mod sho on break; chality ip, few pcs w/ glauc stain; trace y/w - red shales bol -cream to buff (s) pink hue in sm pcs), mostly fine xIn; few med XIn w/ poor interXIn porosity; trace questionable stain in few, no show on break, no cup odor; no fluor remains	Dol -cream to white, fine to med xin; fair interxin porosity (barren) wi si glauc hue in some; trace green stales & pyrite; no fluor, no odor, nsto Dol -cream to fl grey, med xin; fair interxin porosity wi sm si pp to sm vuggy porosity, moderate friability, barren porosity, trace shaley - green	Dol - cream to white, med xIn, mst friable; few pcs w'large, translucent dol xIn growth; sm vis fractures w' glauc staining; overall lithographic; si chality ip Dol - flood pink hue; med to large xIn w' translucent rhombic xIn; fair amt glauc sth & varying xIn size; med to lg; barren Dol - cream to gry, abdt pinklsh hue; mostly med XIn; fair amt translucent XIn; pore space filled w' smaller XIn growth & appears tite; sI. hard; no shows; few trace shales
			0072		1021720	1111 1111 1111	
	BIAC 3366' (-1433')	Arbuckle 3373' (-1440')	BOP (min/ft) Gamma (AP)) 10		C C C C C C C C C C C C C C C C C C C		



DRILL STEM TEST REPORT

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Prepared For: Palomino Petroleum Inc

4924 SE 84th St Newton KS 67114+8827

ATTN: Eli Felts

Christians #2

20-16s-12w Barton,KS

Start Date: 2019.01.28 @ 05:58:00 End Date: 2019.01.28 @ 15:37:49 Job Ticket #: 64982 DST#: 1

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

Printed: 2019.01.29 @ 11:06:24

RILOBITE	Palomino Petroleum Inc	20-16s-12w Barton,KS					
ESTING, INC.	4924 SE 84th St			ristians		-11,1 . Q	
	4924 SE 84th St New ton KS 67114+8827	Job	ns	ST#: 1			
	ATTN: Eli Felts					 28 @ 05:58:	
GENERAL INFORMATION:							
Formation: Arbuckle Deviated: No Whipstock: Fime Tool Opened: 08:26:30 Fime Test Ended: 15:37:49	ft (KB)		Test Test Unit	ter:	Conven Benny M 66		n Hole (Initial)
nterval: 3358.00 ft (KB) To 34 Total Depth: 3405.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	(D)		Refe	erence Ele KB 1	evations to GR/Cl		3.00 ft (KB) ft (CF) ft
Serial #: 6772 Inside							
Press@RunDepth: 985.24 psig (Start Date: 2019.01.28 Start Time: 05:58:01	 3359.00 ft (KB) End Date: End Time: 	2019.01.28 15:37:49	Capacity: Last Calib Time On I Time Off	b.: Btm:		8000 2019.0 .28 @ 08:23 .28 @ 09:53	3:00
F.S.I-30- w eak b	back conds total build of 135" low died in 20 mins						
I.S.I.30- no blow I F.F-10-BOB 8 sec	back conds total build of 135"						
I.S.I.30- no blow I F.F-10-BOB 8 sec	back conds total build of 135" low died in 20 mins	Time	PF			MMARY	
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. Ti	back conds total build of 135" low died in 20 mins mac	(Min.)	Pressure (psig)	Temp (deg F)	Anno	otation	
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- weak b Pressure vs. The Without	back conds total build of 135" low died in 20 mins		Pressure	Temp (deg F)	Anno Initial H		
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. TS	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13	Pressure (psig) 1680.69 636.42 784.11	Temp (deg F) 98.02 105.95 114.10	Anno Initial H Open Shut-Ir	otation tydro-static To Flow (1) n(1)	
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. Th 0722 Pressure vs. Th 0722 Pressure vs. Th 0722 Pressure vs. Th	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43	Pressure (psig) 1680.69 636.42 784.11 1099.11	Temp (deg F) 98.02 105.95 114.10 112.97	Anno Initial H Open Shut-Ir End Sh	otation Hydro-static To Flow (1) h(1) hut-In(1)	
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. The Color Pressure vs.	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52	Pressure (psig) 1680.69 636.42 784.11	Temp (deg F) 98.02 105.95 114.10 112.97	Anno Initial H Open Shut-Ir End Sh Open	otation Hydro-static To Flow (1) h(1) hut-In(1) To Flow (2)	
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. The pressure vs. The pressure vs. The pressure vs. The pressure vs. The pressure vs. The p	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98	Anno Initial H Open ⁻¹ Shut-Ir End Sh Open ⁻¹ Shut-Ir End Sh	hydro-static To Flow (1) n(1) nut-In(1) To Flow (2) n(2) nut-In(2)	
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07	Anno Initial H Open ⁻¹ Shut-Ir End Sh Open ⁻¹ Shut-Ir End Sh	hydro-static To Flow (1) h(1) hut-In(1) To Flow (2) h(2)	
I.S.I.30- no blow i F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. Th 002/Pressure v	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98	Anno Initial H Open ⁻¹ Shut-Ir End Sh Open ⁻¹ Shut-Ir End Sh	hydro-static To Flow (1) n(1) nut-In(1) To Flow (2) n(2) nut-In(2)	
I.S.I.30- no blow i F.F-10-BOB 8 sec F.S.I30- w eak b	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98	Anno Initial H Open ⁻¹ Shut-Ir End Sh Open ⁻¹ Shut-Ir End Sh	hydro-static To Flow (1) n(1) nut-In(1) To Flow (2) n(2) nut-In(2)	
I.S.I.30- no blow i F.F-10-BOB 8 sec F.S.I30- w eak b	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98 108.06	Anno Initial H Open Shut-Ir End Sh Final H	hydro-static To Flow (1) n(1) nut-In(1) To Flow (2) n(2) nut-In(2) hydro-static	
I.S.I.30- no blow i F.F-10-BOB 8 sec F.S.I30- w eak b	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98 108.06	Anno Initial H Open ⁻ Shut-Ir End Sh Final H Final H	hydro-static To Flow (1) n(1) nut-In(1) To Flow (2) n(2) nut-In(2) hydro-static	Gas Rate (Mcf/d)
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98 108.06	Anno Initial H Open ⁻ Shut-Ir End Sh Final H Final H	hydro-static To Flow (1) h(1) hut-ln(1) To Flow (2) h(2) hut-ln(2) hydro-static	Gas Rate (Mcf/d)
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. The resource vs. The r	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98 108.06	Anno Initial H Open ⁻ Shut-Ir End Sh Final H Final H	hydro-static To Flow (1) h(1) hut-ln(1) To Flow (2) h(2) hut-ln(2) hydro-static	Gas Rate (Mcf/d)
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. The pressure vs. The p	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98 108.06	Anno Initial H Open ⁻ Shut-Ir End Sh Final H Final H	hydro-static To Flow (1) h(1) hut-ln(1) To Flow (2) h(2) hut-ln(2) hydro-static	Gas Rate (Mcf/d)
I.S.I.30- no blow I F.F-10-BOB 8 sec F.S.I30- w eak b Pressure vs. Ti	back conds total build of 135" low died in 20 mins	(Min.) 0 4 13 43 43 44 52 88	Pressure (psig) 1680.69 636.42 784.11 1099.11 899.55 985.24 1102.59	Temp (deg F) 98.02 105.95 114.10 112.97 112.19 114.07 112.98 108.06	Anno Initial H Open ⁻ Shut-Ir End Sh Final H Final H	hydro-static To Flow (1) h(1) hut-ln(1) To Flow (2) h(2) hut-ln(2) hydro-static	Gas Rate (Mcf/d)

Trilobite Testing, Inc

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ESTING , IN	Palomino Petroleum Inc		20-16s-12			
ESTING, IN	ר		20-105-12	(S		
	A924 SE 84th St New ton KS 67114+8827	Christians #2 Job Ticket: 64982 DS			T#:1	
	ATTN: Bi Felts			2019.01.28 @		
ENERAL INFORMATION:			······································			
ormation: Arbuckle eviated: No Whipstock: me Tool Opened: 08:26;30 me Test Ended: 15:37:49	ft (KB)		Test Type: Tester: Unit No:	Conventiona Benny Mullig 66		e (Initial)
terval: 3358.00 ft (KB) To 3 otal Depth: 3405.00 ft (KB) (ole Diameter: 7.88 inchesHo			Reference E KE	Bevations:	1933.00	ft (KB) ft (CF) ft
erial #: 6769 Outside ess@RunDepth: psig art Date: 2019.01.28 art Time: 05:58:01		2019.01.28 15:38:00	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 2019.01.28	psig
F.S.I30- w eat		1	PRESSU	RE SUMM	ARY	
The plane is the p		Time (Min.)	Pressure Temp (psig) (deg F	Annotatio		
Recovery			G	as Rates		
Length (ft) Description	Volume (bbl)		Choke	(inches) Pressur	e (psig) Gas	s Rate (Mcf/d)
I20.00 G.W.M.C.O. 10%G 10%						
2080.00 G.M.C.O. 10%G 10%M 0.00 60' GIP	0.00 29.18					

Trilobite Testing, Inc

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ACT T	ה ווס		DRI	LL ST	EM	TEST	REP	DR ⁻	Γ		TOOL DIAGE
	RILOE			o Petroleur	n inc		<u>, , </u>		20-16s-12w Bar	rton,l	KS
	I EST	FING , INC	4924 S	E 84th St					Christians #2		
			New tor	n KS 67114	+8827				Job Ticket: 64982		DST#:1
			ATTN:	Ei Felts					Test Start: 2019.01	1.28 @	
Tool Informatio	n										·
Drill Pipe:	Length:	3306.00 ft	Diameter:	3.80	inches	Volume:	46.37	bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight set on Pa	acker:	25000.00 lb
Drill Collar:	Length:	116.00 ft	Diameter:	2.25	inches	Volume:	0.57	bbl	Weight to Pull Lo		
Drill Cine Alberra M	́р.	04.00.44			Total	Volume:	46.94	bbl	Tool Chased		10.00 ft
Drill Pipe Above K Depth to Top Pack		91.00 ft							String Weight: Ir	nitial	56000.00 lb
Depth to Top Pack Depth to Bottom P		3358.00 ft ft							F	inal	60000.00 lb
Interval between i		47.00 ft									
Tool Length:	Fackers.	74.00 ft									
Ŷ		2	Diameter:	6 75	inches						
Number of Packer											
Number of Packer Tool Comments:	rs:	Z	Daneter.	0.70	incries						
Tool Comments: Tool Descriptio	'n	_	ngth (ft)			sition	Depth (ft) Ac	cum. Lengths		
Tool Comments: Tool Descriptio Change Over Sub	'n	_	ngth (ft) 1.00			sition	3332.00) Ac	cum. Lengths		
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool	'n	_	ngth (ft) 1.00 5.00			sition) Ac	cum. Lengths		
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool	'n	_	ngth (ft) 1.00 5.00 5.00			sition	3332.00 3337.00 3342.00) Ac	cum. Lengths		
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars	'n	_	ngth (ft) 1.00 5.00 5.00 5.00			sition	3332.00 3337.00) Ac	cum. Lengths		
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	'n	_	ngth (ft) 1.00 5.00 5.00 5.00 2.00			sition	3332.00 3337.00 3342.00) Ac	cum. Lengths		
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer	'n	_	ngth (ft) 1.00 5.00 5.00 5.00 2.00 5.00			sition	3332.00 3337.00 3342.00 3347.00 3349.00 3354.00) Ac	cum. Lengths 27.00		Bottom Of Top Pack
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	'n	_	ngth (ft) 1.00 5.00 5.00 2.00 5.00 4.00			sition	3332.00 3337.00 3342.00 3347.00 3349.00 3354.00 3358.00) Ac			Bottom Of Top Pack
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	'n	_	ngth (ft) 1.00 5.00 5.00 2.00 5.00 4.00 1.00	Serial No	o. Pos	sition	3332.00 3337.00 3342.00 3347.00 3349.00 3354.00 3358.00 3358.00) Ac			Bottom Of Top Pack
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	'n	_	ngth (ft) 1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00	Serial No 6772	b. Pos	Inside	3332.00 3337.00 3342.00 3347.00 3349.00 3354.00 3358.00 3359.00 3359.00) Ac			Bottom Of Top Pack
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder	'n	_	ngth (ft) 1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00	Serial No	b. Pos		3332.00 3337.00 3342.00 3347.00 3354.00 3354.00 3358.00 3359.00 3359.00 3359.00) Ac			Bottom Of Top Pack
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations	n)	_	ngth (ft) 1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 9.00	Serial No 6772	b. Pos	Inside	3332.00 3337.00 3342.00 3349.00 3354.00 3358.00 3359.00 3359.00 3359.00 3359.00 3359.00) Ac			Bottom Of Top Pack
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub	n)	_	ngth (ft) 1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00	Serial No 6772	b. Pos	Inside	3332.00 3337.00 3342.00 3347.00 3354.00 3354.00 3358.00 3359.00 3359.00 3359.00) Ac			Bottom Of Top Pack
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Tool Comments: Tool Descriptio Change Over Sub	<u>n</u>	_	ngth (ft) 1.00 5.00 5.00 2.00 2.00 4.00 1.00 0.00 9.00 1.00	Serial No 6772	b. Pos	Inside	3332.00 3337.00 3342.00 3347.00 3354.00 3354.00 3359.00 3359.00 3359.00 3368.00 3368.00 3369.00) Ac			Bottom Of Top Pack

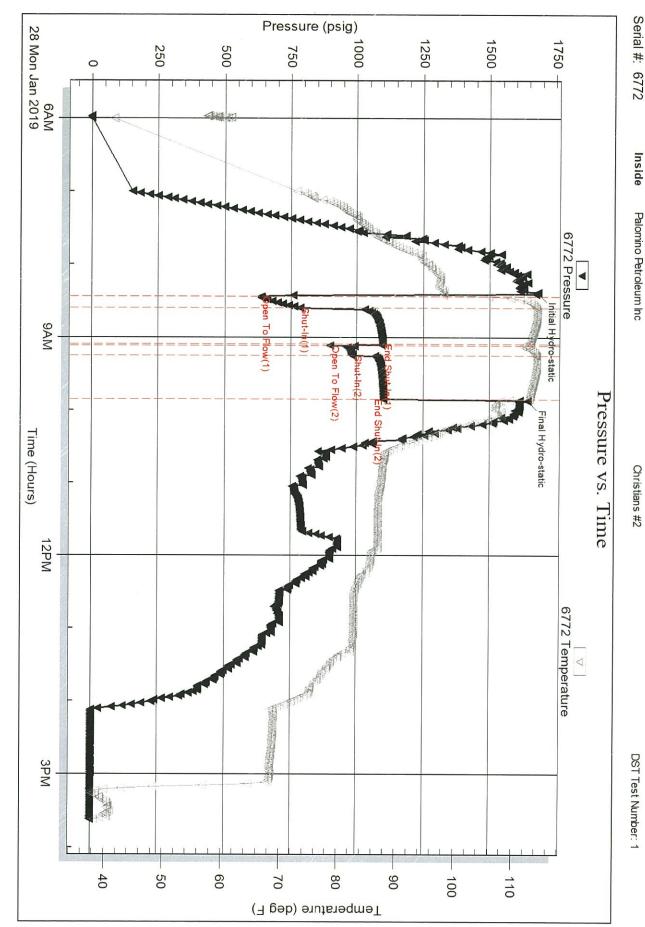
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TESTING , INC Patienting Petroleum inc 20-16s-12w Barton, KS 4924 SE 84th St New ton KS 67114+8827 Christians #2 Job Ticket: 64982 DST#:1 ATTN: Eli Felts Test Start: 2019.01.28 @ 05:58:00 Mud and Cushion Information Oil API: 35 deg API Aud Type: Gel Chem Cushion Type: Oil API: 35 deg API Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Viscosity: 46.00 sec/qt Cushion Volume: bbl bl Vater Loss: 10.38 in ³ Gas Cushion Pressure: psig Salinity: 10800.00 ppm Ferrore Gas Cushion Pressure: psig	TestING , INC Paterinio Paroleum inc 20-166-12w Barton, KS 4924 SE 84th St New ton KS 67114+8827 Achristians #2 ATTN: Eli Felts Test Start: 2019.01.28 @ 05:58:00 Aud and Cushion Information Mud Type: Gel Chem Oil AP: 35 deg API Mud Vipe: Gel Chem Cushion Type: Oil AP: 35 deg API Mud Vipe: Gel Chem Cushion Length: ft Water Salinity: ppm Viscosity: 46.00 sec/qt Cushion Volume: bbl Vater Loss: 10.38 in ² Gas Cushion Pressure: psig alinity: 10800.00 ppm Becovery Table Recovery Table Total Length: 220.00 ft Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	ACT.		DRI	LL STEM TEST	REPORT	-	ł	FLUID SUMMAR
New ton KS 67114+8827 Job Ticket: 64982 DST#:1 ATTN: Eli Felts Test Start: 2019.01.28 @ 05:58:00 Aud and Cushion Information AtTN: Eli Felts Test Start: 2019.01.28 @ 05:58:00 Aud Type: Gel Chem Cushion Type: Oil API: 35 deg API Aud Weight: 9.00 b/gal Cushion Length: ft Water Salinity: ppm Aud Weight: 9.00 b/gal Cushion Volume: bbl bbl vater Salinity: ppm Aud Weight: 9.00 b/gal Cushion Volume: bbl vater Salinity: ppm Vater Loss: 10.38 in³ Gas Cushion Pressure: psig salinity: 10800.00 ppm Were Cake: 1.00 inches Recovery Table Ecovery Table Ecovery Table Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	New ton KS 67114+8827 Job Ticket: 64982 DST#:1 ATTN: Eli Felts Test Start: 2019.01.28 @ 05:58:00 Aud and Cushion Information Mud Type: Gel Chem Cushion Type: Oil API: 35 deg API Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Vater Loss: 10.38 in³ Gas Cushion Type: esitivity: ohn.m.m Gas Cushion Type: esitivity: ohn.m.m Gas Cushion Pressure: psig alinity: 10800.00 ppm iter Cake: 1.00 inches Recovery Table Ecovery Table Ecovery Table Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:		RILOBITE	Palomin	io Petroleum inc		20-16s-12	w Barton,KS	
Job Hoket: 64982 DST#:1 ATTN: Eli Felts Test Start: 2019.01.28 @ 05:58:00 Aud and Cushion Information Aud Type: Gel Chem Cushion Type: Aud Type: Gel Chem Cushion Type: Oil API: 35 deg API Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Aud Weight: 9.00 lb/gal Cushion Volume: bbl Vater Loss: 10.38 in ³ Gas Cushion Type: Vater Loss: 10.38 in ³ Gas Cushion Pressure: psig psig Salinity: 10800.00 ppm itler Cake: 1.00 inches Ecovery Table Clength Description Volume 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	ATTN: Eli Felts Test Start: 2019.01.28 @ 05:58:00 Aud and Cushion Information Mud Type: Gel Chem Cushion Type: Cil API: 35 deg API Mud Weight: 9.00 ib/gal Cushion Length: ft Water Salinity: ppm (iscosity: 46.00 sec/qt Cushion Volume: bbl Vater Loss: 10.38 in ³ Gas Cushion Type: Lesistivity: ohm.m Gas Cushion Pressure: psig alinity: 10800.00 ppm liter Cake: 1.00 inches Recovery Information Kecovery Information Cushion Colored Total Volume Cushion Volume: bbl Length Description Volume Description Volume Description Volume Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:		ESTING , INC.	4024 0			Christians	s #2	
Aud and Cushion Information Aud Type: Gel Chem Cushion Type: Oil API: 35 deg API Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Aud Weight: 9.00 lb/gal Cushion Volume: bbl vater Salinity: ppm Vater Loss: 10.38 in³ Gas Cushion Type: esistivity: ohm.m Gas Cushion Pressure: psig Vater Cake: 1.00 inches Recovery Table Ecovery Table Ecovery Table Total Length Description Volume 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Uaboratory Location: 0 Serial #:	Aud and Cushion Information Aud Type: Gel Chem Cushion Type: Oil API: 35 deg API fud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm fiscosity: 46.00 sec/qt Cushion Volume: bbl vater Salinity: ppm vater Loss: 10.38 in³ Gas Cushion Type: esistivity: ohm.m Gas Cushion Pressure: psig alinity: 10800.00 ppm itter Cake: 1.00 inches Recovery Table Ecovery Table Cell Chem Volume Volume 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.1177 0.000 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Volume: 120.00			14647 (01	110 07 114+0027	,	Job Ticket: (64982	DST#:1
Aud Type: Gel Chem Cushion Type: Oil API: 35 deg API Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm /iscosity: 46.00 sec/qt Cushion Volume: bbl Vater Loss: 10.38 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 10800.00 ppm Titter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	tud Type: Gel Chem Cushion Type: Oil API: 35 deg API tud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm iscosity: 46.00 sec/qt Cushion Volume: bbl vater Loss: 10.38 in³ Gas Cushion Type: tesistivity: ohm.m Gas Cushion Pressure: psig alinity: 10800.00 ppm ilter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:			ATTN: Eli Felts			Test Start: 2	2019.01.28 @ 05	5:58:00
Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm /iscosity: 46.00 sec/qt Cushion Volume: bbl Vater Loss: 10.38 in³ Gas Cushion Type: kesistivity: ohm.m Gas Cushion Pressure: psig alinity: 10800.00 ppm ilter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	fud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Viscosity: 46.00 sec/qt Cushion Volume: bbl bbl Vater Loss: 10.38 in³ Gas Cushion Type: bbl lesistivity: ohm.m Gas Cushion Pressure: psig alinity: 10800.00 ppm itter Cake: 1.00 inches Ecovery Information Ecovery Table Recovery Table Length Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 29.177 0.00 60' GIP 0.000 29.177 0.00 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location: Serial #: Laboratory Location:	Mud and C	Cushion Information						
/iscosity: 46.00 sec/qt Cushion Volume: bbl Vater Loss: 10.38 in³ Gas Cushion Type: bbl Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 10800.00 ppm filter Cake: 1.00 inches Recovery Information Recovery Table Image: Cushion Volume bbl Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 80%O 29.177 0.00 60' GIP 0.000 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	fiscosity: 46.00 sec/qt Cushion Volume: bbl Vater Loss: 10.38 in³ Gas Cushion Type: Lesistivity: ohm.m Gas Cushion Pressure: psig alinity: 10800.00 ppm ilter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:				Cushion Type:			Oil API:	35 deg API
Water Loss: 10.38 in³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 10800.00 ppm itter Cake: 1.00 inches Recovery Information Recovery Table Image: Comparison of the state of	Vater Loss: 10.38 in³ Gas Cushion Type: Lesistivity: ohm.m Gas Cushion Pressure: psig alinity: 10800.00 ppm ilter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume ft 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	Mud Weight:			•		ft	Water Salinity:	ppm
Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 10800.00 ppm iliter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 10%M 70%O 0.627 20.000 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	lesistivity: ohm.m Gas Cushion Pressure: psig alinity: 10800.00 ppm litter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	Viscosity:					bbl		
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Iter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Content of the series of t	Length Description Volume bbl 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location: 0	•			Gas Cushion Pressur	9:	psig		
Recovery Information Recovery Table Length Description Volume 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: 5	Recovery Table Length Description Volume 120.00 G.W.M.C.O. 10%G 10%W 10%M 70%O 0.627 2080.00 G.M.C.O. 10%G 10%M 80%O 29.177 0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	Salinity: Filter Cake;							
Recovery TableLength ftDescriptionVolume bbl120.00G.W.M.C.O. 10%G 10%W 10%M 70%O0.6272080.00G.M.C.O. 10%G 10%M 80%O29.1770.0060' GIP0.000Total Length: 2200.00 ft2080.00 ftTotal Volume: 29.804 bblNum Fluid Samples: 0Num Gas Bombs: 0Serial #:Laboratory Name:Laboratory Location:Serial #:	Recovery TableLength ftDescriptionVolume bbl120.00G.W.M.C.O. 10%G 10%W 10%M 70%O0.6272080.00G.M.C.O. 10%G 10%M 80%O29.1770.0060' GIP0.000Total Length:2200.00 ftTotal Volume:29.804 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:Laboratory Name:Laboratory Location:	Recovery	Information						
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0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location:	0.00 60' GIP 0.000 Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location:			120.00	G.W.M.C.O. 10%G 10%W 10	%M70%O	0.627	7	
Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	Total Length: 2200.00 ft Total Volume: 29.804 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:		2	080.00	G.M.C.O. 10%G 10%M 80%0)	29.177	7	
Num Fluid Samples: 0Num Gas Bombs: 0Serial #:Laboratory Name:Laboratory Location:	Num Fluid Samples: 0Num Gas Bombs: 0Serial #:Laboratory Name:Laboratory Location:			0.00	60' GIP		0.000	<u>]</u>	
Laboratory Name: Laboratory Location:	Laboratory Name: Laboratory Location:		Total Length:	2200.	00 ft Total Volume:	29.804 bbl			
•	· · ·		Num Fluid Samp	les: 0	Num Gas Bombs:	0	Serial #	:	
Recovery Comments: dropped bar and reversed 800 ft oil out / GIP 60'	Recovery Comments: dropped bar and reversed 800 ft oil out / GIP 60'		Laboratory Nam	ne:	Laboratory Location	n:			
			Recovery Com	nents: dro	opped bar and reversed 800 f	oil out / GIP 60	I		
		•							

Printed: 2019.01.29 @ 11:06:25

Ref. No: 64982





Palomino Petroleum Inc

Inside

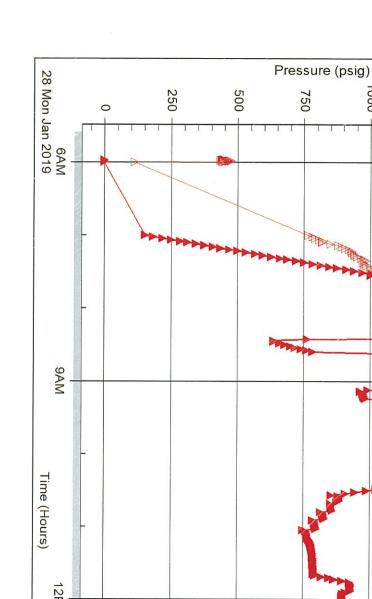
Christians #2

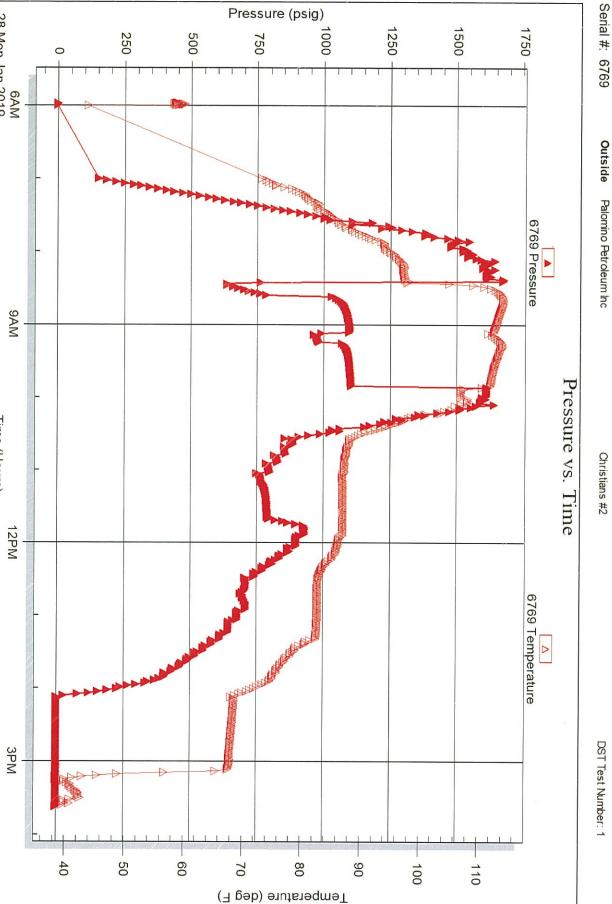
DST Test Number: 1

Printed: 2019.01.29 @ 11:06:25

Ref. No: 64982

Trilobite Testing, Inc





RILOBITE			7	Tes t	t Ticket	
4/10 ESTING INC. 1515 Commerce Parkway	• Hays, Kansas 6760	1		NO.	64982	97.99.000 - 10.000 - 10.000
Well Name & No. Christians #2 Company Paloning Petroleum Address 4924 SE 84#0 St No	Fac	Elevation	1937			
Co. Rep/Geo. Eli Felts		Rig W	1			
Location: Sec. 20 Twp 165	-				State k	-5
Interval Tested 3358-3405	_ Zone Tested _ A		Contract of the State of the second state			
Anchor Length 47 '	_ Zone Tested		<u> </u>		Mud Wt. 8.9	
Top Packer Depth 3353'	_ Drill Collars Run _				Mud Wt. 8.9 Vis 46	
Bottom Packer Depth 3358	_ Wt. Pipe Run	-			WL 10,4	
Total Depth 3405	_ Chlorides _/O,		oom Svst	lem	LCM_Tr	
Blow Description If-BOB 12 Second						
ISI-no blow back						
F.F BUB 8 second	's total buil	d of 1	35 "			
ESI-& weak blor h				ins		
Rec. 20801 Feet of 6.M.C.U		/0%gas	80	%oil	%water	10 %mud
Rec 120' Feet of G.W.M.C.O		/O _{%gas}	70	%oil	/O %water	/ U %mud
Rec Feet of 60'		%gas		%oil	%water	%mud
Rec Feet of		%gas		%oil	%water	%mud
Rec Feet of		%gas		%oil	%water	%mud
1150		API RW	@	°F	Chlorides	ppm
(A) Initial Hydrostatic /680	Test				ocation 414	
(B) First Initial Flow 636	Jars 250		<u></u>		ed <u>5:58</u>	
(C) First Final Flow 189	Safety Joint 75			T-Open	15000	9:50
(D) Initial Shut-In 70 99	Circ Sub	A		T-Pulle T-Out	15:38	1.70
(E) Second Initial Flow <u>899</u>	Hourly Standby			Comme	CLL	aulis
(F) Second Final Flow	🖄 Mileage <u>54</u>	RTAZ	54+54	,	uck shut	
(G) Final Shut-In	Sampler				ided fool 1-	29-2019 10:
(H) Final Hydrostatic <u>1644</u>	G Straddle				I Tool	
	Shale Packer			🗆 Rui	ned Shale Packer	
Initial Open	C Extra Packer			🗆 Rui	ned Packer	
Initial Shut-In	Extra Recorder			C Ext	ra Copies	
Final Flow	Day Standby			Sub To	tal0	
Final Shut-In	Accessibility			Total	1483	
	Sub Total 1483			MP/DS	ST Disc't	
			0		. //	

Approved By ______ Our Representative Benny Multicent Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.