

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1088844

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM

	-	-	-	-		
WELL HISTORY -	٠D	<b>ESCRIPTIO</b>	N OF V	NELL	&	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 Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil       WSW       SWD       SIOW         Gas       D&A       ENHR       SIGW         OG       GSW       Temp. Abd.         CM (Coal Bed Methane)       Cathodic       Other (Core, Expl., etc.):         If Workover/Re-entry:       Old Well Info as follows:	Amount of Surface Pipe Set and Cemented at:       Feet         Multiple Stage Cementing Collar Used?       Yes       No         If yes, show depth set:       Feet         If Alternate II completion, cement circulated from:       sx cmt         feet depth to:       w/
Operator:	
	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date:       Original Total Depth:         Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD         Conv. to GSW       Plug Back:       Plug Back Total Depth         Commingled       Permit #:       Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite: Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R East West
ENHR         Permit #:	County: Permit #:
GSW Permit #:	County Petitik #
Spud Date or         Date Reached TD         Completion Date or           Recompletion Date         Recompletion Date         Recompletion Date	

## 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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1088844
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)		Yes No		Log Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog		Yes No	Nar	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>		YesNoYesNoYesNo					
List All E. Logs Run:							
		CASIN		lew Used			
		Report all strings se	et-conductor, surface, in	termediate, product	ion, 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 / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				,	Depth				
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed Pr	oduct	on, SWD or ENH	<i>₹</i> .	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas Mcf		Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION OF GAS:				METHOD OF COMPLE			TION:		PRODUCTION INTE	RVAL:
Vented Sold Used on Lease			Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)			
(If vented, Subm	it ACC	-18.)		Other (Specify	)					

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	GHF 1
Doc ID	1088844

Tops

Name	Тор	Datum
Anhy	1630	(+735)
Base Anhy	1670	(+695)
Topeka	3430	(-1065)
Heebner	3742	(-1377)
LKC	3784	(-1419)
ВКС	4109	(-1744)
Marmaton	4153	(-1790)
Ft. Scott	4297	(-1932)
Cherokee	4321	(-1956)
Miss.	4403	(-2038)
LTD	4527	(-2162)

SWIFT P. O. Box 466 Ness City, KS 67560	C			Invoice
Ness City, KS 67560 Off: 785-798-2300	7 - 1 4		DATE	INVOICE #
Services, Inc.			5/21/2012	23669
	RECEIVED			
BILL TO	MAY 2 3 2012	• /		
Palomino Petroleum Inc.			Ŭ	
4924 S E 84th Street		• (	Cement	

• Tool Rental

Newton, KS 67114-8827

TERMS	Well N	o.	Lease	County	Contractor	We	II Туре	We	ell Category	Job Purpose	e Operator
Net 30	#1		GHF	Ness	Steve's Well Service Oil Dev				evelopment	Acid PPI	Blaine
PRICE REF. DESCRIPTION							QTY	1	UM	UNIT PRICE	AMOUNT
500D 501D 301 - 20% 232 230 254 235 221		FE Acid Musal ES Surf-3 ES Micell-1 INH.1 ES Liquid Ko Subtotal	np Charge SA-64 SA-N35 (Los					1 500 10 1 1 1	Miles Job Gallons Gallon(s) Gallon(s) Gallon(s) Gallon(s)	6.00 650.00 2.60 20.00 25.00 40.00 35.00 25.00 6.30%	90.00 650.00 1,300.00 200.00 25.00 40.00 35.00 50.00 2.390.00 0.00
Thank	You	For `	Your B	usiness	Į				Total		\$2,390.00

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 OF GOODS START OF WORK OR PELIVERY OF GOODS X MUST BE SIGNED ACCEPTANCE O DATE SIGNED TIME SIGNED ACCEPTANCE O	235	230 I 254 I	232 1 1	200 1	PRICE SECONDARY REFERENCE/ ACCOUNTING	ATION	CHARGE TO
	REMIT PAYMENT TO: SWIFT SERVICES, INC. P.O. BOX 466 NESS CITY, KS 67560 785-798-2300	Fol ligura	Sund -3 Micell	PEAcio "	MILEAGE TOK 114	TING T DF DESCRIPTION	LEASE	Palamina
edges receipt of the materials and services listed on this ticket.	SURVEY     AGREE     UN- DIS- DECIDED     DIS- AGREE       OUR EQUIPMENT PERFORMED     ME     AGREE     AGREE       WITHOUT BREAKDOWN?     WE     AGREE     AGREE       WE UNDERSTOOD AND MET YOUR NEEDS?     OUR SERVICE WAS     AGREE     AGREE       OUR SERVICE WAS PERFORMED WITHOUT DELAY?     WE OPERATED THE EQUIPMENT CALCULATIONS SATISFACTORILY?     AGREE     AGREE       ARE YOU SATISFIED WITH OUR SERVICE?     WO     WO     NO	2-801	1 641	20 % 500 gal	15 mil 1 lea	QTY. UM QTY. UM	STATE CITY KS LAYED DATE SHIPPED DELIVERED TO VIATT DELIVERED TO VIATT WELL PERMIT NO. WELL	
Thank You!	PAGE TOTAL 2390 00	3500 3500	40 00 25 00	260 1.300 100 20 00 200 00	20 25 01 20 25 9	UNIT AMOUNT	NUSY RNO.	TICKET

OB LO	A 1	~	WELL NO.		SWIFT Serv	
	vino Petro	leem	WELL NO.	4/	LEASE GHF	JOB TYPE acidize through PP.I TICKET NO. 2366
HART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSURE (PSI) TUBING CASING	DESCRIPTION OF OPERATION AND MATERIALS
						500gu/ 2006 FE w/ 20% in USIR
						18 661 KCL HO
			ļ			DAder test 44191
						perfs 4484-12
			ļ			
	1000					on loc TRK 114
	1100					pickle tubing - (2 bb) seid + 2066/ A
			5			catch prime 566/ - approx 1000: cipe of to sund tank
			-20	$\rightarrow$		circ oil to such tank
	12-		;			
	1125		22		2000	Set packer - Jest tool - held
	1155					ht 201 11 100 0 250 111 20
	11-2-					test PPT value - ager @ 750 - Julds 200 ipline OK
						iblie CA
	1203		25			put acid on Gettorn (10, sup+ 15 He
	1215					3 settings in blenkpipe - holding 1500
						Ssetting Zbgw @ 1000
	1230					Ratele up
						5
	1250					le al
	1050					job complete
						Thester,
						Heate. Blaine = Dave
						prenne 3 644VE



## BILL TO

Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827 RECEIVED MAY 1 8 2012

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	lo.	Lease	County	Contractor	We	II Туре	We	ell Category	Job Purpos	е	Operator
Net 30	#1		GHF	Ness	Hembree Oil		Oil	D	evelopment	Cement Port Co	ollar	Blaine
PRICE				DESCRIPT	ION		QTY	·	UM	UNIT PRICE		AMOUNT
575D 576D-D 330 276 104 290 581D 582D		Pun Swi Floc Port D-A Serv Min	Collar Tool Ren ir vice Charge Ceme imum Drayage Cl	Standard (MID tal ent harge	CON II)			1 120 25 1 1 200	Miles Job Sacks Lb(s) Each Gallon(s) Sacks Each	6.00 1,250.00 16.50 2.00 250.00 250.00 6.30%		120.00 1,250.00 1,980.00T 50.00T 250.00T 400.00 250.00 4,335.00 145.85
We Ap	prec	iat	te Your B	usiness	I				Total			\$4,480.85

Thank You!					APPROVAL	APP	Nole, Will	
		jes receipt of the materials and services listed on this ticket.	edges receipt of the n	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledge	F MATERIALS A	R ACCEPTANCE O	CUSTOME	SWIET OPERATOR
18 0844	TOTAL	CUSTOMER DID NOT WISH TO RESPOND						
		D YES D NO	ARE YOU SATISHED			П А.М. Р.М.	TIME SIGNED	DATE SIGNED
145 85	TAX 07	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	WE OPERATED THE EQUIPMEN AND PERFORMED JOB CALCULATIONS SATISFACTORILY?		Z		IVERY OF GOODS	START OF WORK OR DELIVERY OF GOODS
9977972 GBL000			MET YOUR NEEDS?	SWIFT SERVICES. INC.	SWI		LIMITED WARRANTY provisions.	LIMITED WARRANTY provisions
4335 00	PAGE TOTAL	Y AGREE UN- DIS- RFORMED AGREE	SURVEY	REMIT PAYMENT TO:	RE	es and agrees to of which include,	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. REI FASE INDEMNITY and	LEGAL TERMS: ( the terms and cond but are not limited
00/252	00 052	1 04		rayage (min)	2CR			795
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00 05	U	11		bale	F10		An any second and a second a second and a seco	276
1980 000	26 150	120 221		WWD COnvert	M			330
second reading	1250 00	1 00		up Charge	Puu			5760
80/02/	600			7PE 114	MILEAGE			575
AMOUNT	UNIT	QTY. UM QTY. UM		DESCRIPTION	DF	LOC ACCT	SECONDARY REFERENCE/ PART NUMBER	PRICE
					-	IONS	INVOICE INSTRUCTIONS	REFERRAL LUCATION
R.	WELL LOCATION	WELL PERMIT NO. WELL	R	Wast coment post colle	Developmen		1.0	4.
	ORDER NO."	Harn		HE MURDER		CONTRACTOR		2.
IER	E MAY 12 OWNER	CITY LAIRE DATE	STATE CI	P COUNTYPARISH	40		WELLIPROJECT	1. TUNO CH
OF	PAGE 1				ZIP CODE	CITY, STATE, ZIP CODE	Services, Inc.	Sen
34	Nº 23664					ADDRESS		
	TICKET			Palamino Petrolaum	Fai	CHARGE TO:	WIFT	IS

SWIFT Services, Inc. DATE MAY 12 PAGE NO. **JOB LOG** CUSTOMER CAMINO PEHO Leum WELL NO. LEASE JOB TYPE TOULAS Z3669 GHF CHART RATE (BPM) VOLUME (BBL) (GAL) PUMPS PRESSURE (PSI) TIME DESCRIPTION OF OPERATION AND MATERIALS NO. TC TUBING CASING 2005ks SMD w/ 4# flocele 23x52 cases Port Gllor 1625' 1400 onloe TRK 114 1405 test to 1000 psi - held open put collez Inj pote 32 bpm @ 400 ps 1000 1000 34 1415 400 2 1419 33 start doen hole a/ SMDante 400 11.Zpp 3章 华 Connent to surface 400 354 64 500 120sk wixed 120sk wixed 15-topit flush' 1435 ろそ 6 661 6 500 pup part collar loop ps; - held 1440 1000 1200 5 joints Rim 1452 lo dear Reverse 20 Z comment flags 1505 Rich Wash back up 1525 Dave & Bigine



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

Cement

• Tool Rental

TERMS	Well N	lo.	Lease	County	Contractor	We	II Туре	W	ell Category	Job Purpose	Operator
Net 30	#1		GHL	Ness	Pickrell Drilling R		Oil	D	evelopment	5-1/2" LongStrin	g Jason
PRICE	REF.			DESCRIPT	ION		QTY	/	UM	UNIT PRICE	AMOUNT
575D 578D-L 402-5 403-5 404-5 406-5 407-5 281 221 276 283 284 285 290 325 330 581D 582D		Pum 5 1/2 5	eal -1 ir dard Cement t Multi-Density S ice Charge Ceme mum Drayage Ch	t lug & Baffle oe With Auto ) Standard (MID nt narge	Fill			$ \begin{array}{c} 1\\1\\3\\1\\1\\9\\500\\2\\57\\500\\5\\52\\2.5\\100\end{array} $	Miles Job Each Each Each Each Callon(s) Gallon(s) Lb(s) Lb(s) Gallon(s) Sack(s) Lb(s) Gallon(s) Sacks Sacks Each	$\begin{array}{c} 6.00\\ 1,500.00\\ 70.00\\ 250.00\\ 2,400.00\\ 250.00\\ 350.00\\ 90.00\\ 1.25\\ 25.00\\ 2.00\\ 0.20\\ 35.00\\ 4.00\\ 35.00\\ 13.50\\ 16.50\\ 2.00\\ 250.00\\ \end{array}$	120.00 1,500.00 70.00T 750.00T 2,400.00T 250.00T 350.00T 810.00T 625.00T 50.00T 114.00T 100.00T 175.00T 208.00T 87.50T 1,350.00T 2,062.50T 450.00 250.00
We Ap	prec	iat	te Your B	susiness	<u>;</u> !				Tota		\$12,314.33

	es receipt of the materialis and services listed on this ticket	ERIALS AND SERVICES The fusiomer hereby acknowledg	CUSTOMER ACCEPTANCE OF MAT	SWIFT OPERATOR
12314	ARE YOU SATISFIED WITH OUR SERVICE?	NESS CITY, KS 67560 785-798-2300	SNED D A.M.	DATE SIGNED / MAY 12 TIME SIGNED
Subtotal 11/100	HOUT DELAY? HE EQUIPMENT	er	S AGENT PRIOR TO	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
downania wy			LEASE, INDEMNITY, and	the territs and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT</b> , <b>RELEASE</b> , <b>INDEMNITY</b> , and <b>LIMITED WARRANTY</b> provisions.
1 6925	VEY AGREE DECIDED AGREE		knowledges and agrees to	LEGAL TERMS: Customer hereby acknowledges and agrees to
25 es 20 es	2 gr	LIGHAD KCL		
2 500) Er! /	500 902	MUD FLUSH		2001
118 aUb	9 EA	TURBOLIZERS		409
357AB 357B	1/EA			LOH
1299	160	LATCH DEVEN PLUG & BAFFIE		Yole
250 251 2022	S (A)	THENI BASKETS		404
012	12A	CENTRALIZERS		402
1577	HTVB 4/525 FT	TRUMP CHARGE		578
		MILEAGE \$ 110		075
A PRICE AMOUNT	QTY. UM QTY. UM	DESCRIPTION	ER LOC ACCT DF	PRICE SECONDARY REFERENCE
			INVOICE INSTRUCTIONS	REFERRAL LOCATION
VELLIGCATION	WELL PERMIT NO.	NEVELOPMENT JOB PURPOSE	ł	
ORDER NO.	DELIVERED TO	UG RU	CONTRACTOR	
DATE OWNER	LAIRD, KS	GHLWI COUNTYRABISE STATE	NO.	1. JESS OF 14, KS. WELL
PAGE OF		SODE	CITY, STATE, ZIP CODE	Services, Inc
TICKET N° 22144		ALDMIND PETROLEUM	CHARGE TO: ADDRESS	SMIFT

	602	185	330	325		.							790	-764	1000	01.6	REFERENCE	Services	IMS
																	SECONDARY REFERENCE/ PART NUMBER	, line.	
																	LOC ACCT DF	Off: 785-798-2300	PO Box 466.
	CHARGE TOTAL WEIGHT 7 LOADED MILES	SERVICE CHARGE	SWIPPMUT DENSITY	STAUDARD CEMENT EA2									7.00	NEP-1	ANCEN	PLOCELE	TIME DESCRIPTION	CUSTOMER PALOMINO PETROLEUM	TICKET CONTINUATION
CONT	TON MILES 228,67	CUBIC FEET 2253x	las sx	100152	 	 		 		 		 		27 IL		$\sim$		MELL CALE	
CONTINUATION TOTAL $47797$	255 × 056	174 10 K	0.	13 50 1357			-			 		 		CIT 2017	JUI BLIS			DATE/MAY/2 PAGE2 OF 2	No. 22/4/4/

JOB L							ices, Inc.	DATE MAY 12 PAGE NO.
COSTOMER	MINO PE	<i>irdeum</i>	WELL NO.		LEASE GH	IF #	JOB TYPE JANUSSTRING	TICKET NO. 22144
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR	the second s	DESCRIPTION OF OPERATION ANI	
	1700						ON LOCATION	
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Terration in the second second second	183D				1997 1998 - CLASS & CLASS & 12 199 - 199 - 199		START PIPE 53-14	ł
CONTRACTOR STOLE							RTDE 4525 527 6	
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de Lana amou atabbén katen.	and the second se						BASKETS 3, 6, 69 PORTCOUAR TOP OF ST # 1	
apartipus; marca colorificitistation							PORT COLLAR TOP OF ST # (	09@1626
	2030						DROP BALL CIRCULAT	E
	1010	1	12		14110111111111111111111111111111111111		D DIA	
Martin Proposition and a sub-	2125	6	12	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		[ [	Pump 500 gaz MUDJ Pamp 20 Bbl KCLJ	-LUSH
		le	20				Jamp 20 Bbl KCL,	-LUSH
	2132		7,5				Dily Pil hast 1700	20-2
	2132		42				P446-RH-MH (305x-	ausy
	2136	4	29				MIX75 SX SMD	
-		ef	24	7			MIX 1005x EA2	
******	2156						WASH OUT PUMPING	LINES
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	2217	Ø	109			1500	PLUG DOWN PSIUP LAT	TCH PLUG TN
	2221						RELEASE PSI-DRY	
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	2223					The Distance of the State of th	WASH TRUCK	
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	2300						JOB COMPLETE	
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							THANKS \$110	
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							JASON JEFF DOUL	5
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RILOBITE			· · · · boun I		4 100 25	Non-	Ke	
TESTING	MC				4-19s-25	W INESS	, no	
	4924 S.E. New ton, K				<b>↓ F #1</b>	200 A		
	ATTN: Ni	ck Gerstner			Ticket: 46 t Start: 20		<b>DST</b> 0:30:0 @ 1	
GENERAL INFORMATION:								
Formation: <b>LKC 'F-G-H'</b> Deviated: No Whips Time Tool Opened: 13:30:20 Time Test Ended: 18:38:30	tock: f	ft (KB)		Tesi Tesi Unit	ter: (	Conventic Chuck Sm 52		Hole (Initial)
Fotal Depth: 3971.00 ft (K	o 3971.00 ft (KB) ⟨B) (TVD) esHole Condition: 0			Refe	erence Ele KB t	evations: o GR/CF:	2355	.00 ft (KB) .00 ft (CF) .00 ft
Start Date: 2012.0	04.27 End E 30:02 End T 20 min.		2012.04.27 18:38:30	Capacity: Last Calit Time On Time Off	b.: Btm: 2		8000 2012.04 27 @ 13:27 27 @ 15:33	:30
No return.								
	ure vs. Time			PF	RESSUR	RE SUM	MARY	
Press 019 Pressure	ure vs. Time 9013 Tem esc	Derature	Time	Pressure	RESSUR Temp	RE SUM Annota		
8019 Pressure	8013 Temp		Time (Min.) 0			Annota	ation	
0010 Pressure	8013 Temp	- 115	(Min.)	Pressure (psig)	Temp (deg F)	Annota Initial Hy Open To	ation dro-static o Flow (1)	
2010 Pressure	B19 Teny	115	(Min.) 0 3 33	Pressure (psig) 1867.68 47.59 147.63	Temp (deg F) 111.54 111.17 114.74	Annota Initial Hy Open To Shut-In(	ation dro-static o Flow (1) 1)	
	8013 Temp	115	(Min.) 0 3 33 63	Pressure (psig) 1867.68 47.59 147.63 1209.67	Temp (deg F) 111.54 111.17 114.74 115.40	Annota Initial Hy Open To Shut-In( End Shu	ation dro-static 5 Flow (1) 1) ut-In(1)	
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	DDS Ten;		(Min.) 0 3 33 63 63 63	Pressure (psig) 1867.68 47.59 147.63 1209.67 151.45	Temp (deg F) 111.54 111.17 114.74 115.40 114.88	Annota Initial Hy Open To Shut-In( End Shu Open To Shut-In( End Shu	ation dro-static 5 Flow (1) 1) ut-ln(1) 5 Flow (2) 2)	
			(Min.) 0 3 33 63 63 93 124	Pressure (psig) 1867.68 47.59 147.63 1209.67 151.45 230.54 1190.90	Temp (deg F) 111.54 111.17 114.74 115.40 114.88 116.94 117.47	Annota Initial Hy Open To Shut-In( End Shu Open To Shut-In( End Shu	ation dro-static b Flow (1) 1) ut-ln(1) b Flow (2) 2) ut-ln(2)	
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1750 1750	939 Tens ve filameters tens filameters	12) 115 110 110 100 06 00 00	(Min.) 0 3 33 63 63 93 124	Pressure (psig) 1867.68 47.59 147.63 1209.67 151.45 230.54 1190.90	Temp (deg F) 111.54 111.17 114.74 115.40 114.88 116.94 117.47 116.87	Annota Initial Hy Open To Shut-In( End Shut Shut-In( End Shu Final Hy	ation dro-static b Flow (1) 1) ut-ln(1) b Flow (2) 2) ut-ln(2)	Gas Rate (Mcf/d)
Apr 2012 TEPM TERMINE	9019 Teny vec / / Hall Address Mark / Hall Addres	Серм Volume (bbl) 1.49	(Min.) 0 3 33 63 63 93 124	Pressure (psig) 1867.68 47.59 147.63 1209.67 151.45 230.54 1190.90	Temp (deg F) 111.54 111.17 114.74 115.40 114.88 116.94 117.47 116.87 Gas	Annota Initial Hy Open To Shut-In( End Shut Shut-In( End Shu Final Hy	ation dro-static o Flow (1) 1) ut-In(1) o Flow (2) 2) ut-In(2) dro-static	Gas Rate (Mcf/d)
ло от от от от то от то то то т	939 Tens ve filameters tens filameters	Volume (bbl) 1.49 2.65	(Min.) 0 3 33 63 63 93 124	Pressure (psig) 1867.68 47.59 147.63 1209.67 151.45 230.54 1190.90	Temp (deg F) 111.54 111.17 114.74 115.40 114.88 116.94 117.47 116.87 Gas	Annota Initial Hy Open To Shut-In( End Shut Shut-In( End Shu Final Hy	ation dro-static o Flow (1) 1) ut-In(1) o Flow (2) 2) ut-In(2) dro-static	Gas Rate (Mcf/d)
1700 1700	939 Tens ve filameters tens filameters	Серм Volume (bbl) 1.49	(Min.) 0 3 33 63 63 93 124	Pressure (psig) 1867.68 47.59 147.63 1209.67 151.45 230.54 1190.90	Temp (deg F) 111.54 111.17 114.74 115.40 114.88 116.94 117.47 116.87 Gas	Annota Initial Hy Open To Shut-In( End Shut Shut-In( End Shu Final Hy	ation dro-static o Flow (1) 1) ut-In(1) o Flow (2) 2) ut-In(2) dro-static	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Printed: 2012.05.03 @ 09:36:24

RILOBITE	Palomino Petroleum Inc		CO4 40- 01		
ESTING , INC			524-195-23	5w Ness, K	S
	4924 S.E. 84th St. New ton, KS 67114		G H F #1		
	ATTN: Nick Gerstner		Job Ticket: 4 Test Start: 2	6634 012.04.27 @	DST#:1
GENERAL INFORMATION:					
Formation: LKC 'F-G-H'					
Deviated: No Whipstock: Fime Tool Opened: 13:30:20 Fime Test Ended: 18:38:30	ft (KB)		Tester:	Conventional Chuck Smith 62	Bottom Hole (Initial)
nterval:3861.00 ft (KB) To39Total Depth:3971.00 ft (KB) (The second			Reference E KB	levations: to GR/CF:	2365.00 ft (KB) 2355.00 ft (CF) 10.00 ft
Serial #: 6751 Outside					
Press@RunDepth:psigStart Date:2012.04.27Start Time:10:30:02	@ 3862.00 ft (KB) End Date: End Time:	2012.04.27 18:38:30	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2	8000.00 psig 2012.04.27
No return. B.O.B. @ 25 min No return. Pressure vs. T			DRESSU		
6751 Piessure	6751 Temperature	Time	Pressure Temp	RE SUMMA	
	113 110 100 100 100 100 100 100 100 100	(Min.)	(psig) (deg F)		
0 44 4 4 4 577 7777 7777 7777 7777 77777 77777 77777	GPM				
Recovery				as Rates	
Length (ft)         Description           186.00         MW 20m 80w         Oil spots	volume (bbl) n tool. 1.49		Choke	(inches) Pressur	e (psig) Gas Rate (Mcf/d)
189.00 WM 40w 60m	2.65				
78.00 M 100m	1.09				

Trilobite Testing, Inc

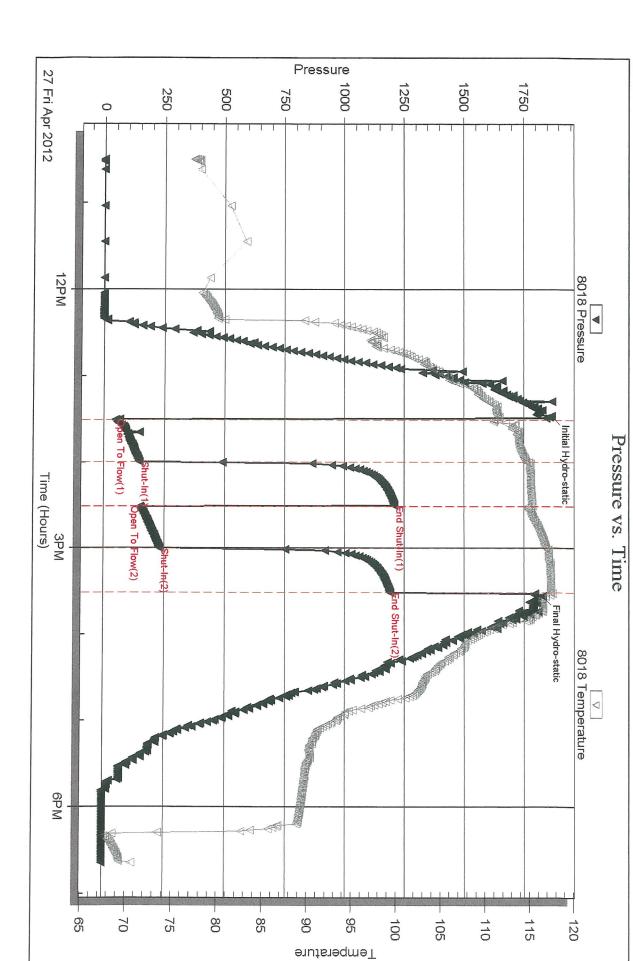
	BITE		o Petroleur	n Inc		S24-19s-25w	Ness. k	<s< th=""></s<>
FS FS	TING , INC.	)						
		1 70270	.E. 84th St. n, KS 67114	1		G H F #1		
			1, 100 07 11-	T		Job Ticket: 4663	4	DST#:1
		ATTN:	Nick Gers	tner		Test Start: 2012.	.04.27 @	2 10:30:00
Tool Information		\$						
Drill Pipe: Length:		Diameter:	3.80	inches Volume:	52.34 bb	I Tool Weight:		2500.00 lb
Heavy Wt. Pipe: Length:		Diameter:		inches Volume:		0		
Drill Collar: Length:	123.00 ft	Diameter:	2.25	inches Volume:		- *	Loose:	
Drill Pipe Above KB:	20.50 ft			Total Volume:	52.94 bb			0.00 ft
Depth to Top Packer:	3861.00 ft					String Weight:		74000.00 lb
Depth to Bottom Packer:	ft						Final	78000.00 lb
Interval between Packers:								
Tool Length:	137.50 ft							
Number of Packers:	2	Diameter:	6.75	inches				
Tool Comments:								
Tool Description	Ler	,	Serial No	. Position		Accum. Lengths		
Change Over Sub	Ler	1.00	Serial No	. Position	<b>Depth (ft)</b> 3834.50	Accum. Lengths		
Change Over Sub Shut In Tool	Ler	1.00 5.00	Serial No	. Position	3834.50 3839.50	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool	Ler	1.00 5.00 5.00	Serial No	. Position	3834.50 3839.50 3844.50	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool Jars	Ler	1.00 5.00 5.00 5.00	Serial No	. Position	3834.50 3839.50 3844.50 3849.50	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	Ler	1.00 5.00 5.00	Serial No	. Position	3834.50 3839.50 3844.50	Accum. Lengths		Bottom Of Top Packe
	Ler	1.00 5.00 5.00 5.00 2.50	Serial No	. Position	3834.50 3839.50 3844.50 3849.50 3852.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Ler	1.00 5.00 5.00 5.00 2.50 5.00	Serial No	. Position	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Ler	1.00 5.00 5.00 2.50 5.00 4.00	Serial No 8018		3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	Ler	1.00 5.00 5.00 2.50 5.00 4.00 1.00		Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00	8018	Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00 3862.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 0.00	8018	Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00 3862.00 3862.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 0.00 11.00	8018	Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00 3862.00 3862.00 3873.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 0.00 11.00 93.00 1.00	8018	Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00 3862.00 3862.00 3862.00 3873.00 3874.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 11.00 1.00 93.00	8018	Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00 3862.00 3862.00 3862.00 3873.00 3874.00 3967.00		Во	Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 0.00 11.00 93.00 1.00	8018	Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00 3862.00 3862.00 3873.00 3874.00 3967.00 3968.00	27.50	Во	
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 Bullnose		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 11.00 1.00 93.00 1.00 3.00	8018	Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00 3862.00 3862.00 3873.00 3874.00 3967.00 3968.00	27.50	Во	
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 Bullnose		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 11.00 1.00 93.00 1.00 3.00	8018	Inside	3834.50 3839.50 3844.50 3849.50 3852.00 3857.00 3861.00 3862.00 3862.00 3862.00 3873.00 3874.00 3967.00 3968.00	27.50	Во	

RILO	BITE		ILL STEM TEST REPC			UID SUMMAR
	TING , INC		no Petroleum Inc	S24-19s-2	5w Ness, KS	
	<b>I IIVG</b> , IIVC.		S.E. 84th St. n, KS 67114	GHF#1 Job Ticket:	46634	DST#:1
		ATTN:	Nick Gerstner		2012.04.27 @ 10:	
Nud and Cushion In	formation	<u> </u>				
<i>l</i> ud Type: Gel Chem			Cushion Type:		Oil API:	deg API
Nud Weight: 9.00	lb/gal		Cushion Length:	ft	Water Salinity:	40000 ppm
•	sec/qt		Cushion Volume:	bbl		
Vater Loss: 10.35			Gas Cushion Type:			
	ohm.m		Gas Cushion Pressure:	psig		
Salinity: 5600.00 Filter Cake: 1.00	ppm inches					
Recovery Informatio	n					<u> </u>
	r		Recovery Table		<b></b> 1	
	Lengt ft	th	Description	Volume bbl		
		186.00	MW 20m 80w Oil spots in tool.	1.48	9	
		189.00	VVM 40w 60m	2.65		
		78.00	M 100m	1.09	4	
Тс	otal Length:	453	.00 ft Total Volume: 5.234	1 bbl		
N	um Fluid Sampl	les: 0	Num Gas Bombs: 0	1 bbl Serial #	<b>#</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>#</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>#</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		¥:	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
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Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
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Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		¥:	
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Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		<b>*</b> :	
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Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		¥:	
Ni La	um Fluid Samp aboratory Nam	les:0 ne:	Num Gas Bombs: 0 Laboratory Location:		¥:	

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Ref. No: 46634

Trilobite Testing, Inc



DST Test Number: 1

Inside Palomino Petroleum Inc

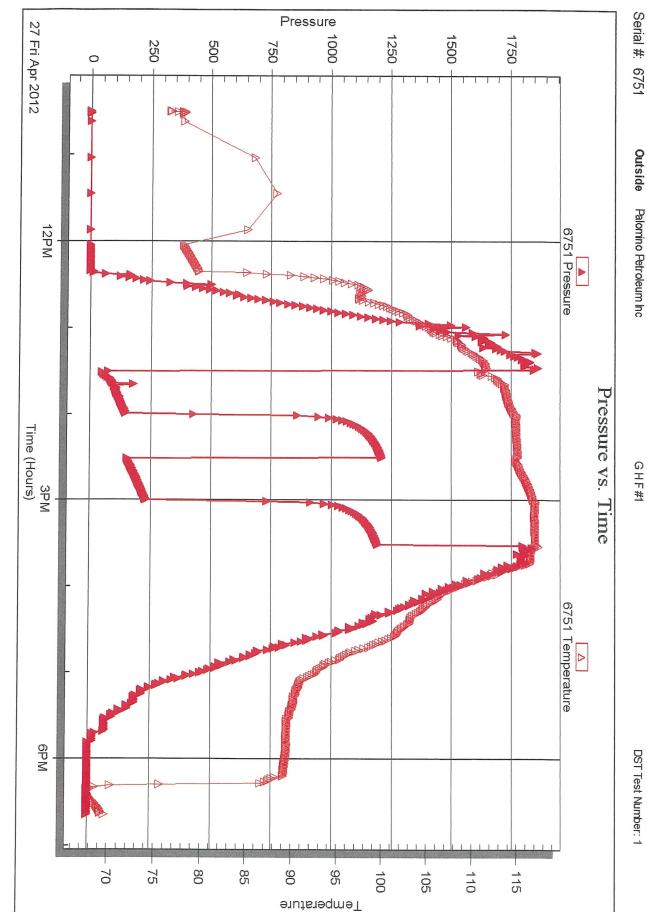
Serial #: 8018

GHF#1

Printed: 2012.05.03 @ 09:36:27

Ref. No: 46634





GHF#1

4110 RILOBITE JESTING INC P.O. Box 1733 • Hay	s, Kansas 67601	<b>Test Ticket</b> NO. 46634
Well Name & No. $GHF^{\pi}/$	Test No.	
Company <u>Palomino</u> Petroleum, Ir Address 9924 S.E. 84th St. Ne		565 KB 2.3.55 GL
		11 21
Location: Sec. $24$ Twp. $195$	Rge. 2510 Co. Ness	State KS
Interval Tested 3861 - 3971	Zone Tested AKC 'F	
Anchor Length 1100	Drill Pipe Run 373/	Mud Wt. 2.2
Top Packer Depth 3857	Drill Collars Run 123	Vis50
Bottom Packer Depth 386/	Wt. Pipe Run	WI. 10.4
Total Depth 39.7/	Chlorides 5600 ppm Sy	vstern LCM 2
Blow Description B.O.B. @ 20 min.		
No setusni		
B.D.B. @ 25 min		
No return		
Rec Feet of	%gas	%oil %water %mud
Rec. 28 Feet of M	%gas	%oit %water /00 %mud
Rec Feet of WM	%gas	%oil 40 %water 60 %mud
Rec_ 186 Feet of MW Dil spor	Ts in Tcol. %gas	%oil 80 %water 20 %mud
Rec Feet of	%gas	%oil %water %mud
Rec Total 453 BHT //8	Gravity API RW . / 85 @ .	7.2 °F Chlorides <u>410,000</u> ppm
(A) Initial Hydrostatic/868	X Test 1150	T-On Location $2:30$
(B) First Initial Flow 48	A Jars 250	T-Started 10:30
(C) First Final Flow /48	A Safety Joint 75	TOpen /3:30
(D) Initial Shut-In 1210	M Circ Sub	T-Pulled 15:3/
(E) Second Initial Flow /52	LI Hourly Standby 14 Mr 25	T-Out 18:39
(F) Second Final Flow	U Mileage /12 RT 173.60	Comments
(G) Final Shut-In // 9/	U Sampler	
(H) Final Hydrostatic /8 28	Straddle	Ruined Shale Packer
	□ Shale Packer	Ruined Packer
Initial Open 30	□ Extra Packer	Li Extra Copies
Initial Shut-In30	Extra Recorder	Sub Total
Final Flow 30	Day Standby	Total 1613.60
Final Shut-In	L Accessibility	MP/DST Disc't
	Sub Total 1673-60	70

RILOBITE	DRILL STEM TE				
TESTING, INC.	Palomino Petroleum Inc		S24-19	s-25w Ness, M	(S
	4924 S.E. 84th St. New ton, KS 67114		GHF #	<b>#1</b> ht: 46635	DST#:2
	ATTN: Nick Gerstner			t: 2012.04.28 @	
GENERAL INFORMATION:					
Formation: <b>Marmaton</b> Deviated: No Whipstock: Time Tool Opened: 21:56:00 Time Test Ended: 01:33:20	ft (KB)		Test Typ Tester: Unit No:	e: Conventiona Chuck Smith 62	l Bottom Hole (Reset)
Interval:4098.00 ft (KB) To422Total Depth:4225.00 ft (KB) (TVHole Diameter:7.88 inchesHole	D)		Reference	e Elevations: KB to GR/CF:	2365.00 ft (KB) 2355.00 ft (CF) 10.00 ft
Serial #: 8018       Inside         Press@RunDepth:       34.78 psig @         Start Date:       2012.04.28         Start Time:       19:04:02         TEST COMMENT:       1/2" Blow receded No return.         Weak surface blow No return.	End Date: End Time: d to a surface blow .	2012.04.29 01:33:19	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2012.04.28 ( 2012.04.28 (	-
Pressure vs. Tin					
2000 Pressue 2000 200	E 018 Temperature 100	Time (Min.) 0 3 17 47 48 63 94 95	Pressure (psig)         Te (de 2024.27           52.83         11           29.38         11           1209.94         11           31.31         11           34.78         11           1010.04         11	SURE SUMM, mp Annotatio g F) 3.81 Initial Hydro 3.65 Open To F 4.66 Shut-In(1) 5.78 Open To F 5.56 Shut-In(2) 7.63 End Shut-In 8.53 Final Hydro	on o-static low (1) n(1) low (2) n(2)
Recovery			• • • • • • • • • • • • • • • • • • •	Gas Rates	
Length (ft) Description 15.00 M100m	Volume (bbl) 0.07		C	hoke (inches) Pressu	re (psig) Gas Rate (Mcf/d)

RILOBITE	DRILL STEM TE	ST REPO	ORT		
	Palomino Petroleum Inc		S24-19s-2	5w Ness, I	<s< td=""></s<>
ESTING , INC	4924 S.E. 84th St. New ton, KS 67114		<b>G H F #1</b> Job Ticket: 4	46635	DST#:2
	ATTN: Nick Gerstner			2012.04.28 @	
GENERAL INFORMATION:			<u></u>		
Formation: Marmaton Deviated: No Whipstock: Time Tool Opened: 21:56:00 Time Test Ended: 01:33:20	ft (KB)		Test Type: Tester: Unit No:	Conventiona Chuck Smith 62	al Bottom Hole (Reset) I
Interval:4098.00 ft (KB) To422Total Depth:4225.00 ft (KB) (TVIHole Diameter:7.88 inchesHole	C)		Reference E KE	Bevations: 3 to GR/CF:	2365.00 ft (KB) 2355.00 ft (CF) 10.00 ft
Serial #: 6751OutsidePress@RunDepth:psig @Start Date:2012.04.28Start Time:19:04:02	) 4099.00 ft (KB) End Date: End Time:	2012.04.29 01:33:19	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2012.04.29
No return. Weak surface blow No return. Pressure vs. Tim				IRE SUMM	
200 170 170 170 170 170 170 170 1		Time (Min.)	Pressure Temp (psig) (deg F		DN
Recovery			G	as Rates	
Length (ft) Description 15.00 M 100m	Volume (bbl) 0.07		Choke	e (inches) Press	ure (psig) Gas Rate (Mcf/d)

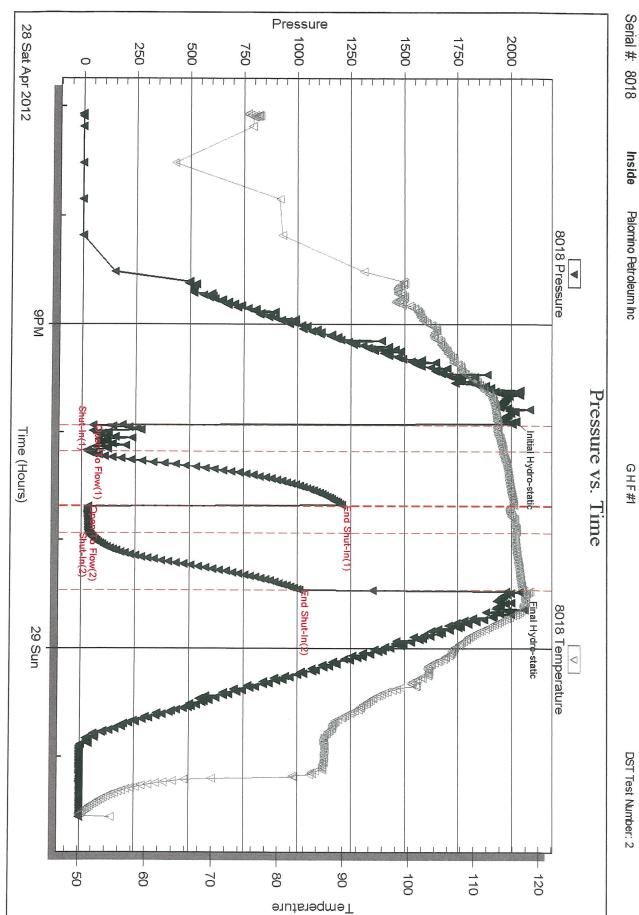
RILO			no Petroleum I	nc	······	S24-19s-25w 1	Ness. I	KS
ES ES	TING , INC	4024 6	.E. 84th St.				, .	
		1 7027 0	n, KS 67114			G H F #1	_	_
						Job Ticket: 46635	5	DST#:2
		ATTN:	Nick Gerstne	ər		Test Start: 2012.	.04.28 @	9 19:04:00
Tool Information								
Drill Pipe: Length:	3978.00 ft	Diameter:	: 3.80 in	ches Volume:	55.80 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	: in	ches Volume:	0.00 bbl	Weight set on	Packer:	25000.00 lb
Drill Collar: Length:	123.00 ft	Diameter:	2.25 in	ches Volume:	0.60 bbl	Weight to Pull	Loose:	85000.00 lb
Drill Pipe Above KB:	30.50 ft			Total Volume:	56.40 bbl	Tool Chased		0.00 ft
Depth to Top Packer:	4098.00 ft					String Weight:		74000.00 lb
Depth to Bottom Packer:	ft						Final	74000.00 lb
Interval between Packers:	127.00 ft							
Tool Length:	154.50 ft							
Number of Packers:	2	Diameter:	6.75 in	ches				
Tool Comments:								
Tool Description	Ler		Serial No.	Position		Accum. Lengths		
	Ler		Serial No.	Position		Accum. Lengths		
Change Over Sub	Ler	1.00	Serial No.	Position	<b>Depth (ft)</b> A 4071.50 4076.50	Accum. Lengths		
	Ler		Serial No.	Position	4071.50	Accum. Lengths		
Change Over Sub Shut In Tool	Ler	1.00 5.00	Serial No.	Position	4071.50 4076.50	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool	Ler	1.00 5.00 5.00	Serial No.	Position	4071.50 4076.50 4081.50	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool Jars	Ler	1.00 5.00 5.00 5.00	Serial No.	Position	4071.50 4076.50 4081.50 4086.50	Accum. Lengths		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer	Ler	1.00 5.00 5.00 5.00 2.50	Serial No.	Position	4071.50 4076.50 4081.50 4086.50 4089.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	Ler	1.00 5.00 5.00 5.00 2.50 5.00	Serial No.	Position	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Ler	1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00	8018	Position	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4098.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 0.00			4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4098.00 4099.00 4099.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 0.00 28.00	8018	Inside	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4098.00 4099.00 4099.00 4099.00 4127.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 28.00 1.00	8018	Inside	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4099.00 4099.00 4099.00 4127.00 4128.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 28.00 1.00 93.00	8018	Inside	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4099.00 4099.00 4099.00 4099.00 4127.00 4128.00 4221.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Orill Pipe Change Over Sub		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 0.00 28.00 1.00 93.00 1.00	8018	Inside	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4098.00 4099.00 4099.00 4099.00 4127.00 4128.00 4221.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 28.00 1.00 93.00 1.00 3.00	8018	Inside	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4099.00 4099.00 4099.00 4099.00 4127.00 4128.00 4221.00		Во	Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 0.00 28.00 1.00 93.00 1.00	8018	Inside	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4098.00 4099.00 4099.00 4099.00 4127.00 4128.00 4221.00	27.50	Во	
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 Bullnose		1.00 5.00 5.00 2.50 5.00 4.00 1.00 0.00 28.00 1.00 93.00 1.00 3.00	8018	Inside	4071.50 4076.50 4081.50 4086.50 4089.00 4094.00 4098.00 4099.00 4099.00 4099.00 4127.00 4128.00 4221.00	27.50	Во	

(TE)-		DRIL	LL STEM TEST F	REPOR	Г		FLUID S	UMMARY
	RILOBITE	Palomino	o Petroleum Inc		S24-19s-2	5w Ness, KS		
	ESTING , INC.		4924 S.E. 84th St. New ton, KS 67114			46635	DST#:2	
		ATTN: Nick Gerstner				2012.04.28 @ 1		
Mud and Cu	shion Information							
	el Chem		Cushion Type:			Oil API:		deg APi
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:		ppm
Viscosity:	60.00 sec/qt		Cushion Volume:		bbl			l- 1
Water Loss:	9.17 in <sup>3</sup>		Gas Cushion Type:					
Resistivity: Salinity:	ohm.m 8300.00 ppm		Gas Cushion Pressure	9:	psig			
Filter Cake:	1.00 inches							
Recovery In	formation							
			Recovery Table					
	Lengti ft	h	Description		Volume bbl			
		15.00 I	M 100m		0.07	4		
	Total Length:	15.0	00 ft Total Volume:	0.074 bbl				
	Num Fluid Sampl	es: 0	Num Gas Bombs:	0	Serial #	t:		
	Laboratory Name		Laboratory Locatio					
Trilobite Testir	ng, Inc	Ref	<sup>7</sup> . No: 46635		Printer	d: 2012.05.03 @	09:35:35	

Printed: 2012.05.03 @ 09:35:35

Ref. No: 46635

Trilobite Testing, Inc



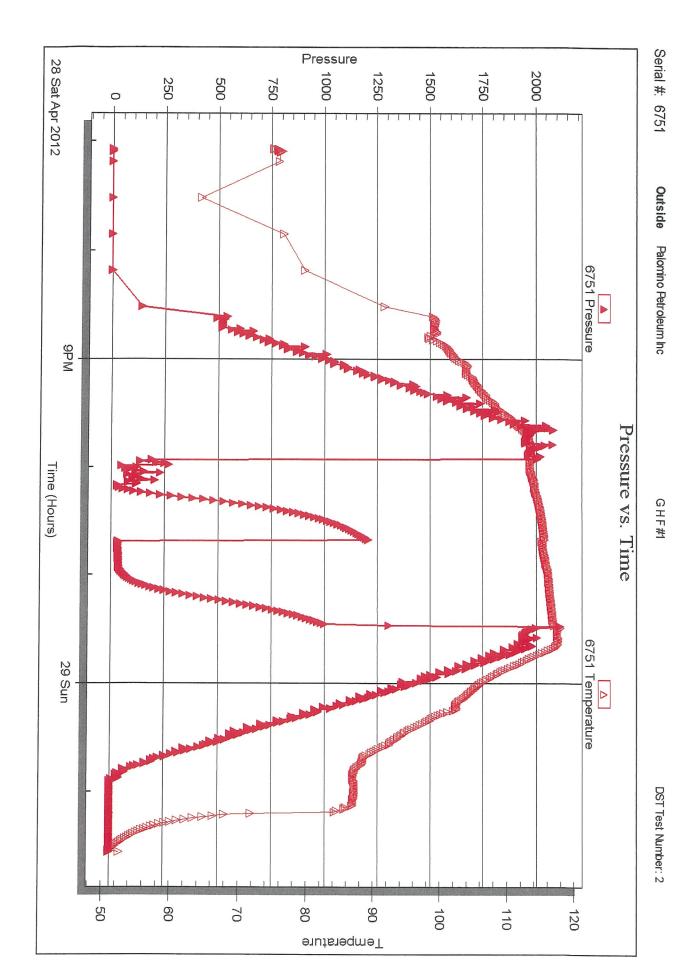
GHF#1

Inside

Printed: 2012.05.03 @ 09:35:36

Ref. No: 46635

Trilobite Testing, Inc



410 RILOBITE /ESTING / P.O. Box 1733 • 1	NC. Hays, Kansas 67601 BY:	NO. 46635
Well Name & No. <u>GHF</u>	Test No.	Date 4-28-12
Company Palomino Petroleum, I.	Elevation	365 KB 23.55 GL
Address 4924 S.E. 84th St.	New Ton, K.S 67114	
Co. Rep / Geo. Nick Gerstner	Rig Pick	rell "
Location: Sec. 24 Twp. 193	_Rge. 254 _Co. Ness	State K.S
Interval Tested 4098 4225	Zone Tested Marmaton	
Anchor Length 127	Drill Pipe Run 3978	Mud WL 22
Top Packer Depth 4094	Drill Collars Run/23	Vis 60
Bottom Packer Depth $4098$	Wt Pipe Run 🛛 📿	WI 7.2
Total Depth 4225	Chlorides 8300 ppm Sy	
Blow Description 2" Blow receded TO	Surface blow	
No seturn.		
Weak surface blow.		
No setuin		
Rec Feet of	%gas	%oil %water %mud
Rec. 15 Feet of M	%gas	%oil %water / Och %mud
Rec Feet of	%gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec Total 2.5 BHT 118	Gravity API RW @	<sup>°</sup> F Chlorides ppm
(A) Initial Hydrostatic2024	W Test 1250-	T-On Location 18:30
(B) First Initial Flow 5.3	Jars 250	T-Started 19:04
(C) First Final Flow	🛛 Safety Joint 75	T-Open 21:54
(D) Initial Shut-In /2/0	⊠ Circ Sub/C	T-Pulled 23/28
(E) Second Initial Flow 3/	Hourly Standby	T-Out
(F) Second Final Flow 35	& Mileage /RRT 173.60	Comments
(G) Final Shut-In /010	🗋 Sampler	
(H) Final Hydrostatic 20.37	G Straddle	Ruined Shale Packer
	□ Shale Packer	Ruined Packer
Initial Open 1.5	LI Extra Packer	Extra Copies
Initial Shut-In30	Extra Recorder	Sub Total
Final Flow /5	Day Standby	Total 1748,60
Final Shut-In 32	L Accessibility	MP/DST Disc't
	Sub Total 1748.60	

Approved By\_\_\_\_\_\_\_Our Representative Our Representative Our 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, too's lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RILOBITE	Palomino Petroleum Inc	······································	S24	-19s-25	w Ness,	KS	
ESTING , INC	4924 S.E. 84th St.			F #1	,		
	New ton, KS 67114			Ticket: 46	636	DST	<b>#:</b> 3
	ATTN: Nick Gerstner		Test	Start: 20	)12.04.29 @	16:20:00	1
GENERAL INFORMATION:				- ·			
Formation: <b>Ft. Scott</b> Deviated: No Whipstock: Fime Tool Opened: 18:32:30 Fime Test Ended: 22:40:09	ft (KB)		Test Teste Unit I	er: (	Convention Chuck Smit 62		Hole (Reset)
nterval:427.00 ft (KB) To432Total Depth:4325.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Refe	rence Ele		2355.0	00 ft (KB) 00 ft (CF)
				KB (	io GR/CF:	10.0	)0 ft
Serial #:         8018         Inside           tress@RunDepth:         23.72 psig @           itart Date:         2012.04.29           itart Time:         16:20:02	4271.00 ft (KB) End Date: End Time:	2012.04.29 22:40:10	Capacity: Last Calib Time On B Time Off E	.: Btm: 2	2012.04.29 2012.04.29	2012.04.2 @ 18:30:2	20
EST COMMENT: 1/2" Blow receder No return. No blow . No return.	d to surface blow .					G 1000	
No return. No blow . No return. Pressure vs. Tin	ne			ESSUR	RESUMM	IARY	
No return. No blow . No return. Pressure vs. Tim 018 Pressure		(Min.)	Pressure (psig)	ESSUR Temp (deg F)	RE SUMM Annotati	1ARY ion	
No return. No blow . No return.	118 0019 Temperature ■ 120 14 14 14 14 14 14 14 14 14 14 14 14 14	(Min.)	Pressure	ESSUR Temp (deg F) 113.10	RESUMM	1ARY ion ro-static	
No return. No blow . No return. Pressure vs. Tin 9018 Pressure	ne 8019 Temperature Terral Index 1972 120	(Min.) 0 3 18	Pressure (psig) 2103.73 17.27 20.00	ESSUR Temp (deg F) 113.10 112.22 113.79	RE SUMN Annotati Initial Hydi Open To I Shut-In(1)	IARY ion ro-static =low (1)	
No return. No blow . No return.	019 Temperature 019 Temperature 100 100 110 110	(Min.) 0 3 18 48	Pressure (psig) 2103.73 17.27	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72	RE SUMM Annotati Initial Hyd Open To I	IARY ion ro-static Flow (1) In(1)	
No return. No blow . No return.	ne 0019 Temperature 120 140 140 140 140 140 140 140 140 140 14	(Min.) 0 3 18 48 48 63	Pressure (psig) 2103.73 17.27 20.00 89.66 22.27 23.72	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72 114.99 115.88	RE SUMM Annotati Initial Hyd Open To I Shut-In(1) End Shut- Open To I Shut-In(2)	IARY ion Flow (1) In(1) Flow (2)	
No return. No blow . No return.	ne 0)9 Temperature 100 10 1000 100 1000 100 1000 100 00 000 000 000 00 0	(Min.) 0 3 18 48 48	Pressure (psig) 2103.73 17.27 20.00 89.66 22.27	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72 114.99 115.88 116.44	RE SUMM Annotati Initial Hyd Open To I Shut-In(1) End Shut- Open To I Shut-In(2)	IARY ion Flow (1) In(1) Flow (2) In(2)	
No return. No blow . No return.	ne 9019 Temperature 1100 100 100 100 100 100 100 1	(Min.) 0 3 18 48 48 63 94	Pressure (psig) 2103.73 17.27 20.00 89.66 22.27 23.72 44.23	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72 114.99 115.88 116.44	RE SUMM Annotati Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut-	IARY ion Flow (1) In(1) Flow (2) In(2)	
No return. No blow . No return.	ne 8019 Temperature 100 100 100 100 00 00 00 00 00	(Min.) 0 3 18 48 48 63 94	Pressure (psig) 2103.73 17.27 20.00 89.66 22.27 23.72 44.23	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72 114.99 115.88 116.44	RE SUMM Annotati Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut-	IARY ion Flow (1) In(1) Flow (2) In(2)	
No return. No blow . No return.	118 0019 Temperature 110 100 100 100 100 100 100 10	(Min.) 0 3 18 48 48 63 94	Pressure (psig) 2103.73 17.27 20.00 89.66 22.27 23.72 44.23	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72 114.99 115.88 116.44 118.59	RE SUMM Annotati Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut-	IARY ion Flow (1) In(1) Flow (2) In(2)	
No return. No blow . No return.	118 0019 Temperature 110 100 100 100 100 100 100 10	(Min.) 0 3 18 48 48 63 94	Pressure (psig) 2103.73 17.27 20.00 89.66 22.27 23.72 44.23	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72 114.99 115.88 116.44 118.59	E SUMM Annotati Initial Hydi Open To I Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydi	IARY ion Flow (1) In(1) Flow (2) In(2)	Gas Rate (Mcf/d)
No return. No blow . No return.	ne 0)9 Temperatue 100 10 1000 100 1000 10000 10000 10000 10000 10000 10000 10000 10000 10000	(Min.) 0 3 18 48 48 63 94	Pressure (psig) 2103.73 17.27 20.00 89.66 22.27 23.72 44.23	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72 114.99 115.88 116.44 118.59 Gas	E SUMM Annotati Initial Hydi Open To I Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydi	IARY ion Flow (1) In(1) Flow (2) In(2) ro-static	
No blow . No return.	ne 019 Тетреялие 100 100 100 00 00 00 00 00 00	(Min.) 0 3 18 48 48 63 94	Pressure (psig) 2103.73 17.27 20.00 89.66 22.27 23.72 44.23	ESSUR Temp (deg F) 113.10 112.22 113.79 114.72 114.99 115.88 116.44 118.59 Gas	E SUMM Annotati Initial Hydi Open To I Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydi	IARY ion Flow (1) In(1) Flow (2) In(2) ro-static	

RILOBITE	Palomino Petroleum Inc		S24	-19s-25	w Ness,	KS
ESTING , INC	4924 S.E. 84th St.			IF#1	·	
	New ton, KS 67114			Ticket: 46	6636	DST#:3
	ATTN: Nick Gerstner				012.04.29 @	
GENERAL INFORMATION:						
Formation:Ft. ScottDeviated:NoWhipstock:Time Tool Opened:18:32:30Time Test Ended:22:40:09	ft (KB)		Test Test Unit	er: (	Convention Chuck Smitl 62	al Bottom Hole (Reset) h
Interval:427.00 ft (KB) To432Total Depth:4325.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Refe	erence Ele KB t	evations: to GR/CF:	2365.00 ft (KB) 2355.00 ft (CF) 10.00 ft
Serial #: 6751 Outside						
Press@RunDepth: psig (			Capacity:			8000.00 psig
Start Date:         2012.04.29           Start Time:         16:20:02	End Date: End Time:	2012.04.29 22:40:10	Last Calib Time On E			2012.04.29
			Time Off	Btm:		
Pressure vs. Tir	6751 Temperature	Time	PR		RE SUMN	
		(Min.)		RESSUF Temp (deg F)	Annotati	
2000 7700	6751 Temperature	(Min.)	Pressure	Temp	Annotati	
2000	6751 Temperature 6751 Temperature 110 100	(Min.)	Pressure	Temp	Annotati	
200 120 120 120 120 120 120 120	6751 Temperatura 6751 Temperatura 110 100 00	(Min.)	Pressure	Temp	Annotati	
200 120 120 120 120 120 120 120	6751 Temperature 6751 Temperature 110 100	(Min.)	Pressure	Temp	Annotati	
200 170 120 120 120 120 120 120 120 12	6751 Temperatura 6751 Temperatura 110 100 00	(Min.)	Pressure	Temp	Annotati	
200 770 120 120 120 120 120 120 120 12	6751 Temperature 6751 Temperature 110 100 100 00 00 00	(Min.)	Pressure	Temp	Annotati	
	6751 Temperature 6751 Temperature 110 100 00 00 00 00 00 00 00	(Min.)	Pressure	Temp	Annotati	
200 200 200 200 200 200 200 200	6751 Temperatura 6751 Temperatura 110 100 00 00 00 00 00 00 00	(Min.)	Pressure	Temp (deg F)	Annotati	
200 200 200 200 200 200 200 200	6751 Temperatura 6751 Temperatura 110 100 00 00 00 00 00 00 00	(Min.)	Pressure	Temp (deg F)	Annotati s Rates	
200 200 200 200 200 200 200 200	6751 Temperature 6751 Temperature 110 100 100 00 00 00 00 00 00	(Min.)	Pressure	Temp (deg F)	Annotati s Rates	on
200 170 170 170 170 170 170 170 1	6751 Temperature 6751 Temperature 100 100 00 00 00 00 00 00 00	(Min.)	Pressure	Temp (deg F)	Annotati s Rates	on
200 200 200 200 200 200 200 200	6751 Temperature 6751 Temperature 100 100 00 00 00 00 00 00 00	(Min.)	Pressure	Temp (deg F)	Annotati s Rates	on
200 200 200 200 200 200 200 200	6751 Temperature 6751 Temperature 100 100 00 00 00 00 00 00 00	(Min.)	Pressure	Temp (deg F)	Annotati s Rates	on

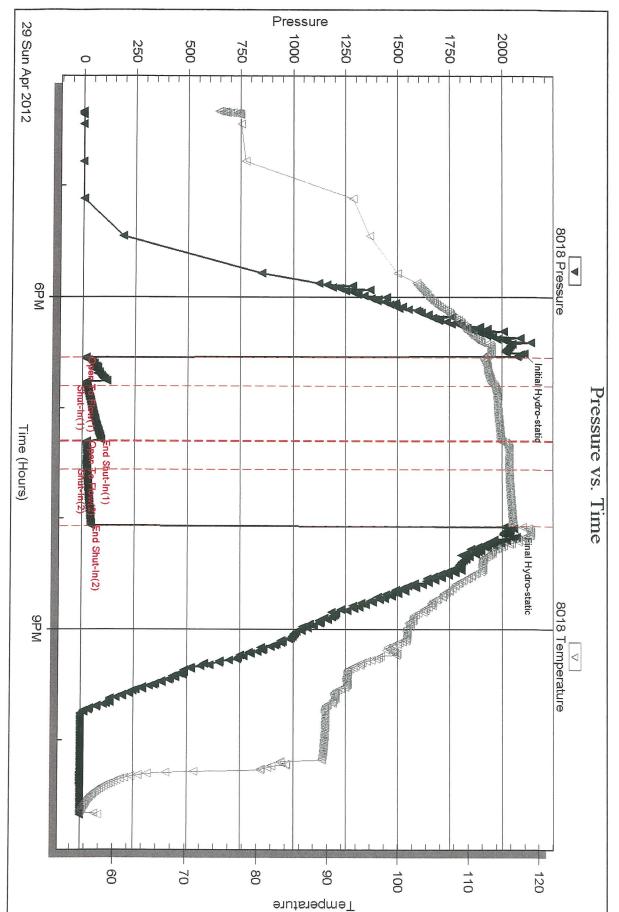
RILOE			LL STE	M TEST	REPO	RT	TOOL DIAGRA
			o Petroleum	Inc		S24-19s-25w Ness,	KS
EST	<b>TNG</b> , INC	4924 S	.E. 84th St.			G H F #1	
		New tor	n, KS 67114			Job Ticket: 46636	DST#:3
		ATTN:	Nick Gerstn	er		Test Start: 2012.04.29 @	
Tool Information	<u></u>	[					
Drill Pipe: Length:	4140.00 ft	Diameter:	3.80 ir	iches Volume:	58.07 bb	Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	ir	ches Volume:		-	
Drill Collar: Length:	123.00 ft	Diameter:	2.25 ir	nches Volume:	0.60 bb	-	
Drill Ding Above KP:	20.50 ft			Total Volume:	58.67 bb	Tool Chased	0.00 ft
Drill Pipe Above KB: Depth to Top Packer:	4270.00 ft					String Weight: Initial	76000.00 lb
Depth to Bottom Packer:	4270.00 ft					Final	76000.00 lb
Interval between Packers:	55.00 ft						
Tool Length:	82.50 ft						
Number of Packers:	2	Diameter:	6.75 ir	iches			
Tool Comments:							
Tool Description	Ler	1.00	Serial No.	Position	Depth (ft) 4243.50	Accum. Lengths	
Shut In Tool		5.00			4243.50 4248.50		
Hydraulic tool		5.00			4253.50		
Jars		5.00			4258.50		
Safety Joint		2.50			4261.00		
Packer		5.00			4266.00	27.50	Bottom Of Top Packer
Packer		4.00			4270.00		Bettern of Top Facker
Stubb		1.00			4271.00		
Recorder		0.00	8018	Inside	4271.00		
Recorder		0.00	6751	Outside	4271.00		
Perforations		18.00			4289.00		
Change Over Sub		1.00			4290.00		
Drill Pipe		31.00			4321.00		
Change Over Sub		1.00			4322.00		
		3.00			4325.00	55.00 Bo	ttom Packers & Anchor
Bullnose							
Bullnose Total Tool	Length:	82.50					
	Length:	82.50					
	Length:	82.50					
	Length:	82.50					
	Length:	82.50					
	Length:	82.50					

	BITE  -	· · · · · · · · · · · · · · · · · · ·	O Petroleum Inc			25w Ness, K		UMMARY
ES	TING , INC		E. 84th St.		G H F #1	2010 110 00, 11		
			, KS 67114		Job Ticket:	46636	DST#:3	
		ATTN:	Nick Gerstner		Test Start:	2012.04.29 @	16:20:00	
Aud and Cushion In	formation					<del>,</del> ,		
Mud Type: Gel Chem			Cushion Type:			Oil A PI:		deg API
	lb/gal sec/qt		Cushion Length:		ft	Water Salinit	y:	ppm
Viscosity. 55.00 Vater Loss: 10.36			Cushion Volume: Gas Cushion Type:		bbl			
Resistivity:	ohm.m		Gas Cushion Pressure	):	psig			
alinity: 7800.00	ppm inches				P - 13			
Recovery Informatio	n		Recovery Table					
	Length		Description		Volume			
	ft		· · · · · · · · · · · · · · · · · · ·		bbl			
			SOCM 10 99m		0.07	(4)		
	otal Length:	15.0		0.074 bbl				
	um Fluid Sample aboratory Name:		Num Gas Bombs:	0	Serial	#:		
	ecovery Comme		Laboratory Location	n:				

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Ref. No: 46636

Trilobite Testing, Inc



DST Test Number: 3

Inside Palomino Petroleum Inc

Serial #: 8018

GHF#1

Printed: 2012.05.03 @ 09:34:45

Ref. No: 46636

Trilobite Testing, Inc



4/10 <b>RILOBITE</b> <b>JESTING</b> INC P.O. Box 1733 • Hay		No. 46636
Well Name & No. GHF */	Test No.	Date 4-29-12
Company Palomino Petroleum,	Inc. Elevation 23	
Address 4924 5.E. 84th St. 1	Vewton, K3 67114	
Co. Rep / Geo. Nick Gersoner	Rig Dickie	11 21
Location: Sec. 24 Twp. 195	Rge. 25w Co. Ness	State KS
Interval Tested 4,270 - 4,32,5	Zone Tested F7. Scott	
Anchor Length 55	Drill Pipe Run 4140	Mud Wt. 21
Top Packer Depth 4266	Drill Collars Run 23	Vis 5.5
Bottom Packer Depth 4270	Wt. Pipe Run 🖉	WI. /0.4
Total Depth 4325	Chlorides 7800 ppm Sy	stem LCM 🖉
Blow Description 12 Blow, received to s	us face blow	
Noretun		
No blow		
No retuin.		
Rec Feet of	%gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec75 Feet of SOCM	%gas /	woil www.ater 29 %mud
Rec Feet of	%gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec Total 1.5 BHT 116	Gravity API RW @	<sup>°</sup> F Chloridesppm
(A) Initial Hydrostatic2/04	X Test 12.50	T-On Location 16:20
(B) First Initial Flow	M Jars 250	T-Started 16:20
(C) First Final Flow	M Safety Joint 75	TOpen 18:33
(D) Initial Shut-In	Circ Sub	T-Pulled 20:04
(E) Second Initial Flow	Hourly Standby	T-Out <u>22:40</u>
(F) Second Final Flow $24$	XI Mileage 112Rt 173.60	Comments
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic 20.54	Straddle	LI Ruined Shale Packer
	Shale Packer	LI Ruined Packer
Initial Open /5	□ Extra Packer	L Extra Copies
Initial Shut-In30	Extra Recorder	Sub Total
Final Flow 15	Day Standby	Total 1748 60
Final Shut-In 3D	L Accessibility	MP/DST Disc'l
	Sub Total 1748-60	D A M

	RILOBITE	Palomino Petroleum Inc		S24	4-19s-25	w Ness, K	S
	ESTING , INC.	4924 S.E. 84th St.		Gŀ	+ F #1		
		New ton, KS 67114		Job	Ticket: 46	637	DST#:4
	,	ATTN: Nick Gerstner		Tes	t Start: 20	)12.04.30 @	11:57:00
GENERAL							
	<b>Mississippian</b> No Whipstock: bened: 13:52:50 nded: 18:25:39	ft (KB)		Tes Tes Unit	ter: (	Conventional Chuck Smith 52	Bottom Hole (Reset)
n <b>terval:</b> otal Depth: lole Diamete				Refe	erence Ele KB t	evations: o GR/CF:	2365.00 ft (KB) 2355.00 ft (CF) 10.00 ft
erial #: ress@Runl tart Date: tart Time: EST CON	Depth: 635.83 psig ( 2012.04.30 11:57:02 AMENT: B.O.B. @ 1 1/2 m No return.	End Date: End Time:	2012.04.30 18:25:40	Capacity Last Calil Time On Time Off	b.: Btm: 2	2 2012.04.30 @ 2012.04.30 @	
	B.O.B. @ 2 min. No return. Pressure vs. Tij	ne	1	PF	RESSUE	RE SUMMA	RV
	9018 Pressure	8018 Temperature					
2250		- 125	Time	Pressure	Temp	Annotatior	1
	Under Hr2dster Inder Hydrosetter Inder Hydrosette	125 120 120 115 115 100 100 00 00 00	Time (Min.) 0 4 13 43 43 44 59 89 90	Pressure (psig) 2111.30 248.96 444.89 1270.72 407.80 635.83 1240.20 2048.17	(deg F) 113.00 113.33 120.83 119.01	Initial Hydro Open To Flo Shut-In(1)	-static ow (1) (1) ow (2) (2)
			(Min.) 0 4 13 43 43 44 59 89	(psig) 2111.30 248.96 444.89 1270.72 407.80 635.83 1240.20	(deg F) 113.00 113.33 120.83 119.01 118.44 124.10 123.28 122.70	Initial Hydro Open To Flo Shut-In(1) End Shut-In( Open To Flo Shut-In(2) End Shut-In(	-static ow (1) (1) ow (2) (2)
200 200 200 200 200 200 200 200	Provide rest of the second sec	иечых	(Min.) 0 4 13 43 43 44 59 89	(psig) 2111.30 248.96 444.89 1270.72 407.80 635.83 1240.20	(deg F) 113.00 113.33 120.83 119.01 118.44 124.10 123.28 122.70	Initial Hydro- Open To Flo Shut-In(1) End Shut-In( Open To Flo Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (2) (2) -static
20 20 20 20 20 20 20 20 20 20	Inditional Control of the second of the seco	ентик	(Min.) 0 4 13 43 43 44 59 89	(psig) 2111.30 248.96 444.89 1270.72 407.80 635.83 1240.20	(deg F) 113.00 113.33 120.83 119.01 118.44 124.10 123.28 122.70 Gas	Initial Hydro- Open To Flo Shut-In(1) End Shut-In( Open To Flo Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (2) (2) -static
200 200 200 200 200 200 200 200	Interesting of the second seco	Volume (bbl) 0 0.60 0 25 emulsion 5.30	(Min.) 0 4 13 43 43 44 59 89	(psig) 2111.30 248.96 444.89 1270.72 407.80 635.83 1240.20	(deg F) 113.00 113.33 120.83 119.01 118.44 124.10 123.28 122.70 Gas	Initial Hydro- Open To Flo Shut-In(1) End Shut-In( Open To Flo Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (2) (2) -static
20 20 20 20 20 20 20 20 20 20	Presented of the second of the	естых 125 126 126 126 126 126 100 100 100 100 100 100 100 10	(Min.) 0 4 13 43 43 44 59 89	(psig) 2111.30 248.96 444.89 1270.72 407.80 635.83 1240.20	(deg F) 113.00 113.33 120.83 119.01 118.44 124.10 123.28 122.70 Gas	Initial Hydro- Open To Flo Shut-In(1) End Shut-In( Open To Flo Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (2) (2) -static
	Interesting of the second seco	Volume (bbl) 0 0.60 0 25 emulsion 5.30	(Min.) 0 4 13 43 43 44 59 89	(psig) 2111.30 248.96 444.89 1270.72 407.80 635.83 1240.20	(deg F) 113.00 113.33 120.83 119.01 118.44 124.10 123.28 122.70 Gas	Initial Hydro- Open To Flo Shut-In(1) End Shut-In( Open To Flo Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (2) (2) -static

RILOBITE	DRILL STEM TES	ST REP	ORT			
	Palomino Petroleum Inc		S24	-19s-25	w Ness, I	(S
ESTING , INC	4924 S.E. 84th St.		G H	IF#1		
	New ton, KS 67114		Job .	Ticket: 46	6637	DST#:4
	ATTN: Nick Gerstner		Test	Start: 20	012.04.30 @	) 11:57:00
GENERAL INFORMATION:				10 <u>,</u> .		
Formation:MississippianDeviated:NoWhipstock:Time Tool Opened:13:52:50Time Test Ended:18:25:39	ft (KB)		Test Test Unit	er:	Conventiona Chuck Smith 62	al Bottom Hole (Reset)
Interval:4270.00 ft (KB) To442Total Depth:4428.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Refe		evations: to GR/CF:	2365.00 ft (KB) 2355.00 ft (CF) 10.00 ft
Serial #: 6751OutsidePress@RunDepth:psig @Start Date:2012.04.30Start Time:11:57:02TEST COMMENT:B.O.B. @ 1 1/2 minoreturn.No return.B.O.B. @ 2 min.No return.No return.No return.No return.No return.No return.No return.No return.	End Date: End Time:	2012.04.30 18:25:49	Capacity: Last Calib Time On E Time Off I	o.: Btm:		8000.00 psig 2012.04.30
Pressure vs. Tir 6751 Pressure	ne 0751 Temperature	Time	·····		RE SUMM	
220 200 170 150 150 150 150 150 150 150 15	125 126 100 115 100 100 100 100 100 100 100 100	(Min.)	Pressure (psig)	Temp (deg F)	Annotatio	
Recovery			F	Ga	s Rates	
Length (ft) Description	Volume (bbl)			Choke (i	inches) Pressu	re (psig) Gas Rate (Mcf/d)
123.00 GMWCO 35g 10m 10w 45g						
378.00         GMWCO 40g 10m 10w 150           522.00         GWOCM 35g 5w 10o 15m						
252.00 M 100m	3.53					
······································						
* Recovery from multiple tests						

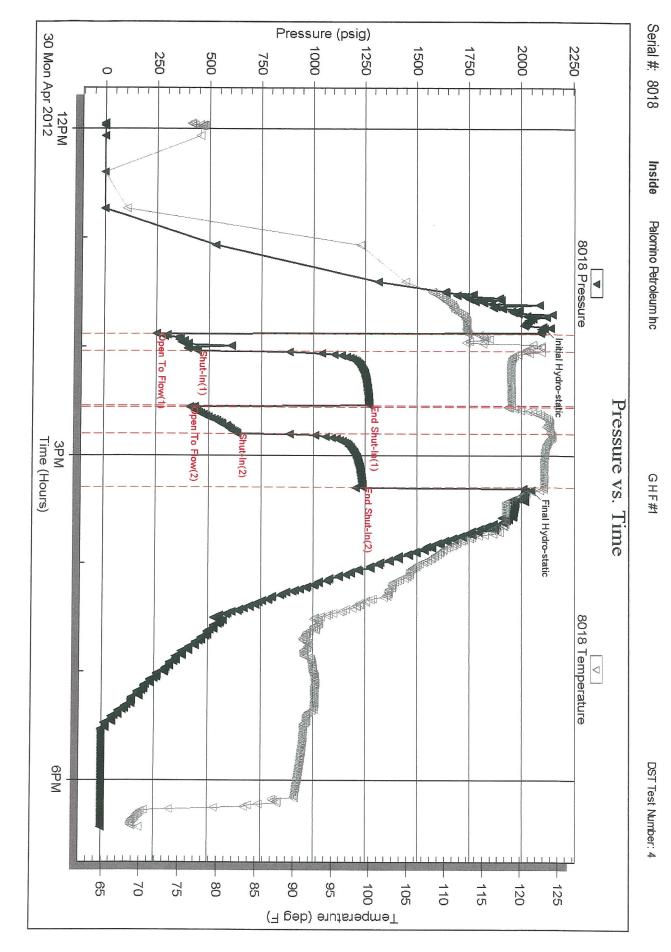
	BITE	· · · · · · · · · · · · · · · · · · ·		······	REPOF		TOOL DIAGRA	
	TING , INC.	Palomino Petroleum Inc				S24-19s-25w Ne <i>s</i> s, KS		
			E. 84th St.			G H F #1		
		New ton	, KS 67114			Job Ticket: 46637	DST#:4	
		ATTN:	Nick Gerstne	er		Test Start: 2012.04.30 @	0 11:57:00	
Tool Information								
Drill Pipe: Length:	4135.00 ft	Diameter:	3.80 in	ches Volume:	58.00 bbl	Tool Weight:	2500.00 lb	
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	in	ches Volume:	0.00 bbl	Weight set on Packer	: 20000.00 lb	
Drill Collar: Length:	123.00 ft	Diameter:	2.25 in	ches Volume:	0.60 bbl	Weight to Pull Loose:	90000.00 lb	
Drill Pipe Above KB:	15.50 ft			Total Volume:	58.60 bbl	Tool Chased	0.00 ft	
Depth to Top Packer:	4270.00 ft					String Weight: Initial	82000.00 lb	
Depth to Bottom Packer:	ft					Final	84000.00 lb	
Interval between Packers:	158.00 ft							
Tool Length:	185.50 ft							
Number of Packers: Tool Comments:	2 [	Diameter:	6.75 ind	ches				
Tool Description	- 1000 AUR 1		Serial No.	Position	Depth (ft)	Accum. Lengths		
Change Over Sub		1.00			4243.50			
Shut In Tool		5.00			4248.50			
Hydraulic tool		5.00			4253.50			
Jars		5.00			4258.50			
					4261.00			
		2.50			4201.00			
Safety Joint Packer		5.00			4266.00	27.50	Bottom Of Top Packer	
Safety Joint Packer Packer		5.00 4.00			4266.00 4270.00	27.50	Bottom Of Top Packer	
Safety Joint Packer Packer		5.00 4.00 1.00			4266.00 4270.00 4271.00	27.50	Bottom Of Top Packer	
Safety Joint Packer Packer Stubb Recorder		5.00 4.00 1.00 0.00	8018	Inside	4266.00 4270.00 4271.00 4271.00	27.50	Bottom Of Top Packer	
Safety Joint Packer Packer Stubb Recorder Recorder		5.00 4.00 1.00 0.00 0.00	8018 6751	Inside Outside	4266.00 4270.00 4271.00 4271.00 4271.00	27.50	Bottom Of Top Packer	
Safety Joint Packer Packer Stubb Recorder Recorder Perforations	2	5.00 4.00 1.00 0.00 0.00 27.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00	27.50	Bottom Of Top Packer	
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub	2	5.00 4.00 1.00 0.00 0.00 27.00 1.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00	27.50	Bottom Of Top Packer	
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe	2	5.00 4.00 1.00 0.00 27.00 1.00 25.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00 4424.00	27.50	Bottom Of Top Packer	
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub	2	5.00 4.00 1.00 0.00 27.00 1.00 25.00 1.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00 4424.00 4425.00			
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Sullnose	2	5.00 4.00 1.00 0.00 27.00 1.00 25.00 1.00 3.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00 4424.00		Bottom Of Top Packer	
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub	2	5.00 4.00 1.00 0.00 27.00 1.00 25.00 1.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00 4424.00 4425.00			
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose	2	5.00 4.00 1.00 0.00 27.00 1.00 25.00 1.00 3.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00 4424.00 4425.00			
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose	2	5.00 4.00 1.00 0.00 27.00 1.00 25.00 1.00 3.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00 4424.00 4425.00			
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose	2	5.00 4.00 1.00 0.00 27.00 1.00 25.00 1.00 3.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00 4424.00 4425.00			
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Sullnose	2	5.00 4.00 1.00 0.00 27.00 1.00 25.00 1.00 3.00			4266.00 4270.00 4271.00 4271.00 4271.00 4298.00 4299.00 4424.00 4425.00			

RILOBITE TESTING , INC.		DRILL STEM TEST REPORT					LUID SUMMARY
		Palomir	no Petroleum Inc	97.57 <sup>9</sup> 000000000000000000000000000000000000	S24-19s-25w Ness, KS		
		4924 S.E. 84th St. New ton, KS 67114 ATTN: Nick Gerstner			G H F #1		
					Job Ticket: 4	46637	DST#:4
					Test Start: 2012.04.30 @ 11:57:00		
Nud and Cushion Info	ormation						
Mud Type: Gel Chem			Cushion Type:			Oil A PI:	deg API
Mud Weight: 9.00 lb	-		Cushion Length:		ft	Water Salinity:	20000 ppm
/iscosity: 48.00 s			Cushion Volume:		bbl		
Vater Loss: 10.36 in			Gas Cushion Type: Gas Cushion Pressur				
Resistivity: ol Salinity: 7800.00 p	hm.m pm		Gas Cushion Pressur	e:	psig		
Filter Cake: 1.00 in	•						
Recovery Information			Mananan ang ang ang ang ang ang ang ang a				
			Recovery Table			_	
	Lengti	h	Description		Volume		
-	ft	123.00	GMWCO 35g 10m 10w 45o		bbl 0.60		
		378.00	GMWCO 40g 10m 10w 15o 2	25 emulsion	5.30		
-		522.00	GWOCM 35g 5w 10o 15m 35		7.32		
	2	252.00	M 100m		3.53		
Tota	al Length:	1275.	.00 ft Total Volume:	16.764 bbl		-	
Num	n Fluid Sample	es: 0	Num Gas Bombs:	0	Serial #	<u>.</u>	
	oratory Name		Laboratory Location		o o nor n		
Rec	overy Comm	ents: RV	V:.300 @ 73 Degrees F = 200				

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Ref. No: 46637

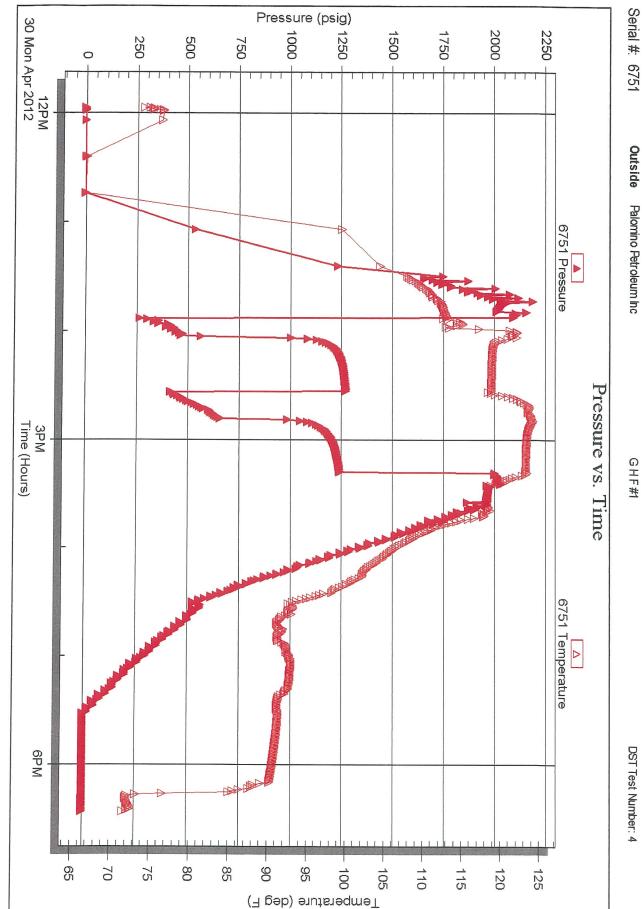




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Ref. No: 46637





Outside Palomino Petroleum Inc

GHF#1

DST Test Number: 4

410 RILOBITE /ESTING IN P.O. Box 1733 • Ha	MAY 0 3 2012 Wys, Kansas 67601	
Well Name & No. GHF <sup>#</sup>	Test No	4 Date 4.30-12
Company Palomino Petroleum, I		2365 KB 2355 GL
Address 4924 S.E 84th St. 1	Veniton KS 67114	GL
Co. Rep/Geo. Nick Geistner		kiell xi
Location: Sec Twp. 19s	Rge. 25w Co. Nes	s State KS
Interval Tested 4270 - 4428	Zone Tested Mississ/	
Anchor Length 15.8	_ Drill Pipe Run	Mud WI. 2.2
Top Packer Depth 4266	Drill Collars Run /23	and the second
Bottom Packer Depth 4270	WL Pipe Run	WI. 10.4
Total Depth 4428	Chlorides 7800 ppn	
Blow Description B.O.B. @ 12 min.		
No return		
B.O.B. @ 2miA		
No return.		
Rec 252 Feet of M	%gas	%oil %water /00 %mud
Rec 522 Feet of GWOCM E.	nulsion 35% 35%gas	10 %oil 5 %water 1.5 %mud
Rec 378 Feet of GMWCO EA		5 %oil 10 %water 10 %mud
Rec 123 Feet of GMWCO	35 %gas 45 4	% %oil 10 %water 10 %mud
Rec Feet of	%gas	%oil %water %mud
Rec Total 1275 BHT 123	Gravity ~ API RW, 300 @	7.3 °F Chlorides 22,000 ppm
(A) Initial Hydrostatic	X Test 12,50	T-On Location 11:45
(B) First Initial Flow 249	M Jars 250	T-Started 11:57
(C) First Final Flow 445	M Safety Joint 75	T-Open /3:53
(D) Initial Shut-In /27/	☑ Circ Sub N)	T-Pulled 15:18
(E) Second Initial Flow 408	Hourly Standby	T-Out
(F) Second Final Flow	Mileage 112RT 173.00	Comments
(G) Final Shut-In 1240	Sampler	
(H) Final Hydrostatic 2048	C Straddle	Ruined Shale Packer
	Shale Packer	A Ruined Packer 320
Initial Open	Li Extra Packer	Extra Copies
Initial Shut-In30	L Extra Recorder	Sub Total 320
Final Flow	Day Standby	Total 20168.60
Final Shut-In	LI Accessibility	MP/DST Disc't
m	Sub Total 1748.60	
Approved By Millins A.	Our Representative	Kuch Amoth

Approved By New Much Much Statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

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