Confidentiality Requested: Yes No

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

1167069

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.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 ☐ SIOW □ Gas □ D&A □ ENHR □ SIGW	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or 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
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1167069
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS. Chain important tang of formations panetrated De	tail all carea. Depart all final	apping of drill stome tools giving interval toolad, time tool

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

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

Drill Stem Tests Taken (Attach Additional Sheets)		Yes No		-	ormation (Top), Depth and Datum		Sample	
Samples Sent to Geolog	jical Survey	Yes No	Nam	e		Тор	Datum	
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
			RECORD Ne					
		Report all strings set-	conductor, surface, inte	ermediate, 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 / SQU	JEEZE RECORD				
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives		
Protect Casing								

Plug Back TD Plug Off Zone						
Did you perform a hydraulic	fracturing treatment	on this well?		Yes	No	(If No, skip questions 2 and 3)
Does the volume of the total	I base fluid of the hyd	Iraulic fracturing treatment ex	ceed 350,000 gallons?	Yes	No	(If No, skip question 3)
Was the hydraulic fracturing	treatment informatio	n submitted to the chemical o	lisclosure registry?	Yes	No	(If No, fill out Page Three of the ACO-1)

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e			ement Squeeze Record	Denth
		Specify Fo	stage of	Each Interval	Perforated			(Amount and Kind	l of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	lun:	No	
Date of First, Resumed	l Product	ion, SWD or ENHF	٦.	Producing I	_	_				
				Flowing	Pum	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD		TION:		PRODUCTION INTE	ERVAL:		
Vented Sole	d 🗌 I	Used on Lease		Open Hole	Perf.	Uually (Submit)	Comp. 4 <i>CO-5</i>)	Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACC)-18.)		Other (Specify)	((302		

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Stutz-Quenzer 1
Doc ID	1167069

Tops

Name	Тор	Datum
Anhy.	1877	(+ 660)
Base Anhy.	1907	(+ 630)
Heebner	3822	(-1285)
Lansing	3860	(-1323)
ВКС	4173	(-1636)
Marmaton	4218	(-1681)
Ft. Scott	4367	(-1830)
Cherokee Sh.	4393	(-1854)
Miss.	4468	(-1931)
LTD	4610	(-2073)



PO Box 93999 Southlake, TX 76092

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

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

ONLY IF PAID ON OR BEFORE Sep 15, 2013 SEP U 1 2013

RECEIVED

Invoice Number: 138142 Invoice Date: Aug 21, 2013 Page: 1



C	ustomer ID	Field Ticket # Pa	yment Terms		
	Palo	60572	Net 30 Days		
Jo	b Location	Camp Location Service Date	Due	Date	
	KS1-03	Great Bend Aug 21, 2013	9/2	0/13	
Quantity	Item	Description	Unit Price	Amount	
		Stutz-Quentzer #1		CONTRACTOR STORE	
144.00	CEMENT MATERIALS	Class A Common	17.90	2,577.60	
96.00	CEMENT MATERIALS	Pozmix	9.35	897.60	
8.00	CEMENT MATERIALS	Gel	23.40	187.20	
60.00	CEMENT MATERIALS	Flo Seal	2.97	178.20	
257.33	CEMENT SERVICE	Cubic Feet	2.48	638.17	
301.00	CEMENT SERVICE	Ton Mileage	2.60	782.60	
1.00	CEMENT SERVICE	Rotary Plug	2,249.84	2,249.84	
28.00	CEMENT SERVICE	Pump Truck Mileage	7.70	215.60	
28.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	123.20	
1.00	CEMENT SUPERVISOI	-	1.10	120.20	
1.00	EQUIPMENT OPERATO	DR Mike Scothorn			
1.00	OPERATOR ASSISTAN				
	SADE NET DAVADIE	Subtotal		7,850.01	
	S ARE NET, PAYABLE	Sales Tax		482.78	
INVOICE.	1 1/2% CHARGED	Total Invoice Amount		8,332.79	
	ER. IF ACCOUNT IS	Payment/Credit Applied		0,332.79	
JURRENT,	TAKE DISCOUNT OF	TOTAL		Sector Concentrations	
\$	1,570.00	TOTAL		8,332.79	
-1073301879702540	entropy of entropy and all reports the second				

ALLIEU OIL & GAS SERVICES, LLC 060572

regerar lax lu	. # 20-8651475
REMIT TO P.O. BOX 93999	SERVICE POINT:
SOUTHLAKE, TEXAS 76092	Coreat Brancites
DATE 52/13 SEC. 7 TWP. 7 ANGE 25. C.	ALLED OUT ON LOCATION JOB START JOB FINISH
LEASE DARSTER WELL# / LOCATION UY CO	KS JE 45 KESS KJ
OLD OR NEW (Circle one)	7/00 - 20
CONTRACTOR Prokrell Doy 11/20 #1	OWNER
TYPE OF JOB ROTSY Plug	
HOLE SIZE T.D. CASING SIZE DEPTH	CEMENT AMOUNT ORDERED 2405/55 60/ Classif
TUBING SIZE DEPTH	MOUNTORDERED (2 -10)1-) 6-1-045517 MOVIDONZ 441901 1/4 FLO
DRILL PIPE 4/12 DEPTH 1950	
TOOL DEPTH	60
PRES. MAX MINIMUM	COMMON 144 @17.90 2.577.90
MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG. A//	POZMIX 96 @ 9.35 897.60 GEL 8 @ 23.40 187.20
PERFS.	CHLORIDE @
DISPLACEMENT Goldhard	ASC @
EQUIPMENT	Aloseal 60 @ 2.97 178.20
	@
PUMPTRUCK CEMENTER Dagth Chambers	@ @
# 395 HELPER M. Kc Scothorn	@
BULK TRUCK	@
# 344/70 DRIVER Kenn Gregbors	@
# DRIVER	@ HANDLING 257.33 @2.48 638. 亿
	HANDLING 257.33 @2.48 638.0 MILEAGE 0.75 x 2.8 x 2.60 782.60
REMARKS:	TOTAL 5.261.37
Fill he he and but and	IUIAL <u>U. A VII</u>
1,1455-524Ks	SERVICE
2,1190-80 4=1	
1,25- UD-SKS	DEDTH OF TOD
	DEPTH OF JOB
$\frac{U_1}{60} = \frac{1}{20} \frac{1}{400}$	PUMPTRUCK CHARGE 2249.89
4, 6,0 - 20, 1ks 5, RH - 305ks 6, 14 - 20,5ks	PUMP TRUCK CHARGE 2249.89
4. 6.0 - 20. 4ks 5. RH - 305ks 4. 1914 - 20.5ks Num Down, 10:00AM	PUMP TRUCK CHARGE <u>2249.89</u> EXTRA FOOTAGE @@ MILEAGE <u>Hum 28 @7.70 215.90</u>
4. 6.0 - 20 5ks 5. RH - 305ks 4. MH - 20 5ks - plyn Down 650 04 M	PUMP TRUCK CHARGE <u>2249.89</u> EXTRA FOOTAGE @ MILEAGE <u>Hum 28</u> @ <u>7.70</u> <u>215.90</u> MANIFOLD @
plung Down 6:004M	PUMP TRUCK CHARGE <u>2249.89</u> EXTRA FOOTAGE @ MILEAGE <u>Hum 28</u> @ <u>7.70</u> <u>215.90</u> MANIFOLD @
CHARGE TO: Por loning Por pleum	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE #Uma 28 @7.70 215.90 MANIFOLD @
CHARGE TO: Por loning Por pleum	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 @7.70 215.90 MANIFOLD @
CHARGE TO: La Comino Perroleum STREET	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE@MILEAGE Hum 28 MILEAGE Hum 28 @ 7.70 215.90 MANIFOLD@ Lvm 28 94.90 123.20
CHARGE TO: Por loning Por pleum	PUMP TRUCK CHARGE <u>2249.89</u> EXTRA FOOTAGE <u>@</u> MILEAGE <u>HUM</u> <u>28</u> @7.70 <u>215.90</u> MANIFOLD <u>@</u> <u>LVM</u> <u>28</u> @ <u>4.40</u> <u>123.20</u> @ <u></u> TOTAL <u>2.588</u> .6 <u>4</u>
CHARGE TO: La Comino Perroleum STREET	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 @7.70 215.90 MANIFOLD @
CHARGE TO: La Comino Perroleum STREET	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 7.70 215.90 MANIFOLD @ 123.20 @ TOTAL 2.588.95 PLUG & FLOAT EQUIPMENT
CHARGE TO: La Comino Perroleum STREET	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 7.70 215.90 MANIFOLD @ 123.20 @ TOTAL 2.588.95 PLUG & FLOAT EQUIPMENT @ @ @ @
CHARGE TO: La Comino Perroleum STREET	PUMP TRUCK CHARGE <u>2249.89</u> EXTRA FOOTAGE <u>@</u> MILEAGE <u>Hum 28</u> <u>@7.70</u> <u>215.90</u> MANIFOLD <u>@</u> <u>LVM 28</u> <u>@4.40</u> <u>123.20</u> <u>@</u> TOTAL <u>2.588</u> . PLUG & FLOAT EQUIPMENT <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u>
Plum Poun 600 AM CHARGE TO: Par On the Perroleting STREET CITY STATE ZIP To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE #uman 28 7.70 215.90 MANIFOLD @ 123.20 @ 123.20 0 PLUG & FLOAT EQUIPMENT @ 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @
Plum Poun broch Plum Poun broch CHARGE TO: Particle STREET CITY STATE ZIP To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	PUMP TRUCK CHARGE <u>2249.89</u> EXTRA FOOTAGE <u>@</u> MILEAGE <u>Hum</u> <u>28</u> <u>@</u> 7.70 <u>215.90</u> MANIFOLD <u>@</u> <u>LVM 28</u> <u>@</u> <u>4.40</u> <u>123.20</u> <u>@</u> TOTAL <u>2.588</u> . PLUG & FLOAT EQUIPMENT <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u>
Plum Poun 6:20 PM CHARGE TO: Paroleum STREET CITY STATE ZIP To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was	PUMP TRUCK CHARGE <u>2249.89</u> EXTRA FOOTAGE <u>@</u> MILEAGE <u>Hund</u> 28 @7.70 <u>215.90</u> MANIFOLD <u>@</u> <u>LVM 28 @4.40 123.30</u> @ TOTAL <u>2.588</u> . PLUG & FLOAT EQUIPMENT <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u> <u>@</u>
Diam	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE #Uma 28 7.70 215.90 MANIFOLD @ 123.20 @ 123.20 0 PLUG & FLOAT EQUIPMENT @ 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @ 0 0 @ @
Diam	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 7.70 215.90 MANIFOLD @
Diam	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 7.70 215.90 MANIFOLD @
Image: Down Image: Down	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 7.70 215.90 MANIFOLD @
CHARGE TO: β	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 7.70 215.90 MANIFOLD @
CHARGE TO: β	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 7.70 215.90 MANIFOLD @
Image: Down Image: Down	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE #Uma 28 @ 7.70 215.90 MANIFOLD @
CHARGE TO: β	PUMP TRUCK CHARGE 2249.89 EXTRA FOOTAGE @ MILEAGE Hum 28 7.70 215.90 MANIFOLD @



PO Box 93999 Southlake, TX 76092

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

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827 INVOICE

Invoice Number: 137962 Invoice Date: Aug 13, 2013 Page: 1



Customer ID	Field Ticket #	Payment	Ierms	
Palo	60564	Net 30 Days		
Job Location	Camp Location	Service Date	Due Date	
KS1-01	Great Bend	Aug 13, 2013	9/12/13	

Quantity	Item	Description	Unit Price	Amount
a succession and the second		Stutz-Quenzer #1		
150.00	CEMENT MATERIALS	Class A Common	17.90	2,685.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
162.09	CEMENT SERVICE	Cubic Feet	2.48	401.98
207.20	CEMENT SERVICE	Ton Mileage	2.60	538.72
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
28.00	CEMENT SERVICE	Pump Truck Mileage	7.70	215.60
28.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	123.20
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	OPERATOR ASSISTANT	Kevin Weighous		
		Subtotal		5,546.95
ALL PRICE	ES ARE NET, PAYABLE	Sales Tax		169.44
30 DAYS	FOLLOWING DATE OF E. 1 1/2% CHARGED	Total Invoice Amount		5,716.39
THEREAF	TER. IF ACCOUNT IS			
CURREN	T, TAKE DISCOUNT OF	Payment/Credit Applied	State States	5,716.39
\$	1,109.39	TOTAL		5,110,53
ONLYIF	PAID ON OR BEFORE Sep 7, 2013			

ALLIFD OIL & GAS SERVICE 3, LLC 060564

REMIT TO P.O. BOX 93999

Federal Tax I.D. # 20-8651475

SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend H

DATE 8-13-13	SEC.	TWP. 175	RANGE 254	CALLED OUT	ON LOCATION	JOB START JOB FINISH
STUTZ - LEASE QUENTER	WELL#	1	LOCATION UTT	CO. LES DE 11	5 Finto	COUNTY STATE
OLD OR NEW (Cir	cle one)			<u> </u>	2 CININ	Ness NS

OWNER

CEMENT

CONTRACTOR Pickicil	Prilling #1
TYPE OF JOB Surface	
HOLE SIZE / 2/14	T.D.
CASING SIZE 454	DEPTH 223,10
TUBING SIZE	DEPTH
DRILL PIPE 41/2	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. /	56-
PERFS.	
DISPLACEMENT / 3, 2	56615 GREShward
EQU	IPMENT

	CEMENTER Dussth Chambers
<u># 394</u>	HELPER Mike Scorhovin
BULK TRUCK	,
<u>#610-112</u>	DRIVER Kevin Weighous
BULK TRUCK	
#	DRIVER

REMARKS:

Break chrcularon with Righard
Pump Sbbls Freshigger Ahead
Mix 150 5/46 Class A 34160 241721
Drg place 13,25 6bls Fresh waver Feshurin
cement did circulare
plug 12 mm - 10:00 m
Rig Down
, ,

CHARGE TO: Palonino Perroleum STREET _ CITY___ __ STATE ___ _ZIP_

AMOUNT ORDERED 150 5KS Class A 34.cc 241 gel 150 @ 17.90 2.685. COMMON_ POZMIX @ GEL @23.40 70.20 CHLORIDE 5 @ ASC @ @ @ @ @ @ @ @ @ 2.48 HANDLING 162.09 401. @ MILEAGE 7. N x 28 y 2.60 5 38 TOTAL 3.695. 20

SERVICE

DEPTH OF JOB	223	5	
PUMP TRUCK CHAF	RGE	1512.25	
EXTRA FOOTAGE		@	
MILEAGE Hum	28	@ 7.70	215.00
MANIFOLD		@	
LUM	28	@ 1.40	123.20
		_@	

PLUG & FLOAT EQUIPMENT

-	
	@
	@
	@
	@
	@

TOTAL _____

SALES TAX (If Any)
TOTAL CHARGES 5.546.95
DISCOUNT I. / 0.9 - 37 IF PAID IN 30 DAYS
<u> </u>

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME SIGNATURE X

TOTAL 1851. 05



DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

Stutz Quenzer #1

7-17s-25w Ness,KS

Start Date:	2013.08.18 @	13:05:15	
End Date:	2013.08.18 @	18:50:53	
Job Ticket #:	53199	DST #:	1

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

	DRILL STEM TES	TREP	ORT				
RILOBITE	Palomino Petroleum		7-179	s-25w N	less,KS		
ESTING , INC	4924 SE 84th St New ton, KS 67114			z Quen icket: 53		DST#	6 1
	ATTN: Ryan Seib				13.08.18 @		
GENERAL INFORMATION:							
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:15:18:23Time Test Ended:18:50:53	ft (KB)		Test ⁻ Teste Unit N	er: E	Conventiona Brandon Tur 60		lole (Initial)
Interval:4142.00 ft (KB) To4Total Depth:4310.00 ft (KB) (THole Diameter:7.88 inchesHol			Refer	rence Eler KB to	vations: o GR/CF:	2527.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8373 Inside Press@RunDepth: 41.02 psig Start Date: 2013.08.18 Start Time: 13:05:20	@ 4143.00 ft (KB) End Date: End Time:	2013.08.18 18:50:52	Capacity: Last Calib. Time On Bi Time Off B	tm: 2	2013.08.18 (2013.08.18 (2013.08.1 @ 15:16:2	23
TEST COMMENT: IF: 1/4" blow die IS: No return. FF: No blow . FS: No return.	d in 8 min.						
Pressure vs. 7	িime হ্যায় হিলাperature				ESUMM		
	110 110 110 110 100 100 100 100	Time (Min.) 0 2 34 62 62 78 91 92	Pressure (psig) 2118.58 24.97 30.38 705.77 35.61 41.02 296.26 1978.28	108.07 108.94 110.05 109.66 110.16 110.67	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static low (1) n(1) low (2) n(2)	
200	сери						
Recovery				Gas	s Rates		·····
Length (ft) Description	Volume (bbl)			Choke (ir	nches) Pressu	re (psig)	Gas Rate (Mcf/d)
15.00 mud 100%m	0.07						
Trilobite Testing. Inc	Ref. No: 53199				2013.08.21		

	DRILL STEM TES	T REPO	DRT		
RILOBITE	Palomino Petroleum		7-17s-25v	v Ness,KS	
ESTING , INC.	4924 SE 84th St New ton, KS 67114		Stutz Qu		DST#: 1
	ATTN: Ryan Seib		Job Ticket: Test Start:	2013.08.18 @	
GENERAL INFORMATION:		r			11000000000000000000000000000000000000
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:15:18:23Time Test Ended:18:50:53	ft (KB)		Test Type: Tester: Unit No:	Convention Brandon Tu 60	al Bottom Hole (Initial) Irley
Interval:4142.00 ft (KB) To43Total Depth:4310.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Reference	Elevations: B to GR/CF:	2537.00 ft (KB) 2527.00 ft (CF) 10.00 ft
Serial #:8356OutsidePress@RunDepth:psigStart Date:2013.08.18Start Time:13:04:28	@ 4143.00 ft (KB) End Date: End Time:	2013.08.18 18:51:22	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.08.18
TEST COMMENT: IF: 1/4" blow died IS: No return. FF: No blow . FS: No return.	l in 8 min.				
Pressure vs. T	ime 5336 Temperature			JRE SUMM	
8000 Presure 200 1700 120 120 120 120 120 120 120 1	BOD Temperature 110 100 100 100 100 100 100 10	Time (Min.)	Pressure Temp (psig) (deg f		ion
Recovery				Gas Rates	
Length (ft) Description	Volume (bbl)		Chol	ke (inches) Press	sure (psig) Gas Rate (Mcf/d)
15.00 mud 100%m	0.07				
Trilobite Testing, Inc	Ref. No: 53199			ed: 2013.08.2	

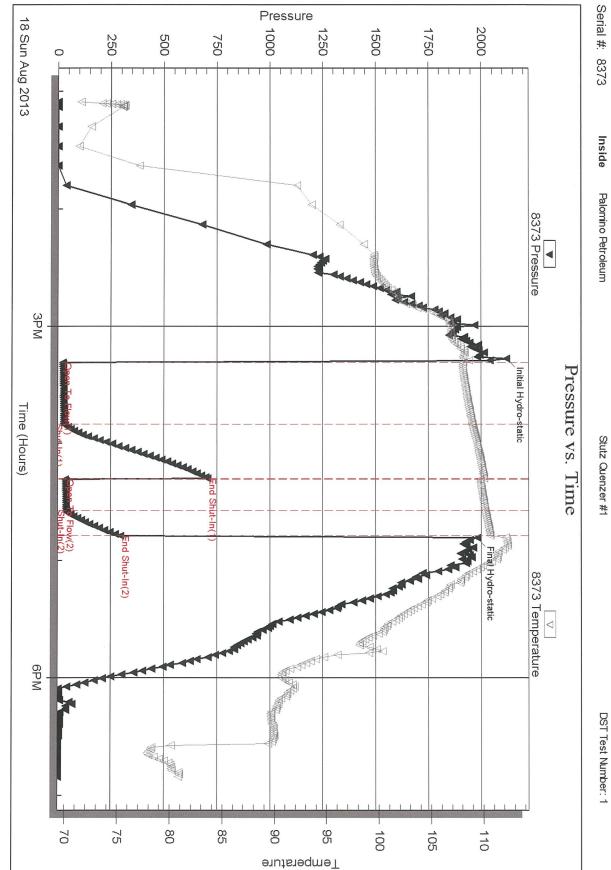
	RILOE	SIIE	Palomin	o Petroleum			7-17s-25w Ness,	KS
	ES1	TING , INC	4924 S	E 84th St			Stutz Quenzer #	
	-			n, KS 67114			Job Ticket: 53199	DST#:1
			ATTN:	Ryan Seib			Test Start: 2013.08.1	
Tool Informatio	n					·····		
Drill Pipe:	Length:	3912.00 ft	Diameter:	3.80 ir	iches Volume:	54.88 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	-	0.00 ft	Diameter:	0.00 ir	iches Volume:	0.00 bbl	Weight set on Pac	cker: 25000.00 lb
Drill Collar:	Length:	208.00 ft	Diameter:	2.25 ir	iches Volume:	1.02 bbl	Weight to Pull Loo	ose: 90000.00 lb
	/D ·	6 00 1 4			Total Volume:	55.90 bbl		0.00 ft
Drill Pipe Above K Denth to Ton Pac		6.00 ft 4142.00 ft					String Weight: Init	
Depth to Top Pacl Depth to Bottom F		4142.00 ft					Fir	nal 80000.00 lb
Interval between		168.00 ft						
Fool Length:		196.00 ft						
LOUI LOUGUI.		•	Diameter:	6.75 ir	ches			
•	rs:	2						
Number of Packer Tool Comments:				Coriol No	Decidion	Do	Assum Langtha	
Number of Packer Tool Comments: Tool Descriptio			ngth (ft)	Serial No.	Position		Accum. Lengths	
Number of Packer Tool Comments: Tool Descriptic Stubb			ngth (ft) 1.00	Serial No.	Position	4115.00	Accum. Lengths	
Number of Packer Tool Comments: Tool Descriptic Stubb Shut In Tool			ngth (ft) 1.00 5.00	Serial No.	Position		Accum. Lengths	
Number of Packer Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool			ngth (ft) 1.00	Serial No.	Position	4115.00 4120.00	Accum. Lengths	
Number of Packer Tool Comments: Tool Descriptic Stubb Shut In Tool Hydraulic tool Jars			ngth (ft) 1.00 5.00 5.00	Serial No.	Position	4115.00 4120.00 4125.00	Accum. Lengths	
Number of Packer Tool Comments: Tool Descriptic Stubb Shut In Tool Hydraulic tool Jars Safety Joint			ngth (ft) 1.00 5.00 5.00 5.00	Serial No.	Position	4115.00 4120.00 4125.00 4130.00	Accum. Lengths	Bottom Of Top Packe
Number of Packer Tool Comments: Tool Descriptic Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer			ngth (ft) 1.00 5.00 5.00 5.00 3.00	Serial No.	Position	4115.00 4120.00 4125.00 4130.00 4133.00		Bottom Of Top Packe
Number of Packer Tool Comments:			ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00	Serial No.	Position	4115.00 4120.00 4125.00 4130.00 4133.00 4138.00		Bottom Of Top Packe
Number of Packer Tool Comments: Tool Descriptic Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer			ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00 4.00	Serial No.	Position	4115.00 4120.00 4125.00 4130.00 4133.00 4138.00 4142.00		Bottom Of Top Packe
Number of Packer Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb			ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00			4115.00 4120.00 4125.00 4130.00 4133.00 4138.00 4142.00 4143.00		Bottom Of Top Packe
Number of Packer Tool Comments: Tool Descriptic Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder			ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00	8373	Inside	4115.00 4120.00 4125.00 4130.00 4133.00 4138.00 4142.00 4143.00 4143.00		Bottom Of Top Packe
Number of Packer Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations	on		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00	8373	Inside	4115.00 4120.00 4125.00 4130.00 4133.00 4138.00 4142.00 4143.00 4143.00 4143.00		Bottom Of Top Packe
Number of Packer Tool Comments: Tool Descriptic Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	on	Le	ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 3.00	8373	Inside	4115.00 4120.00 4125.00 4130.00 4133.00 4138.00 4142.00 4143.00 4143.00 4143.00 4144.00 4146.00 4147.00 4304.00		Bottom Of Top Packe
Number of Packer Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub	on D	Le	ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 3.00 1.00	8373	Inside	4115.00 4120.00 4125.00 4130.00 4133.00 4138.00 4142.00 4143.00 4143.00 4143.00 4144.00 4147.00		Bottom Of Top Packe

1						
RILOBITE	DR	ILL STEM TEST REPOR	Т	FLU	ID SUMMARY	
	Palon	nino Petroleum	7-17s-25w Ness,KS			
TESTING		SE 84th St on, KS 67114	Stutz Quenzer #1 Job Ticket: 53199 DST#: 1			
		: Ryan Seib	Test Start: 2013.08.18 @ 13:05:15			
Mud and Cushion Informa	ation					
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal		Cushion Type: Cushion Length:	ft	Oil API: Water Salinity:	0 deg API 0 ppm	
Viscosity: 60.00 sec/q		Cushion Volume:	bbl	water bainity.	0 ppm	
Water Loss: 13.56 in ³		Gas Cushion Type:				
Resistivity: 0.00 ohm.n	n	Gas Cushion Pressure:	psig			
Salinity: 3000.00 ppm Filter Cake: 1.00 inches	c					
	5				·····	
Recovery Information		Recovery Table				
	Length	Description	Volume]		
	ft		bbl	-		
	15.00	mud 100%m	0.074	ŦŢ		
Total Le	-	5.00 ft Total Volume: 0.074 bbl				
	id Samples: 0	Num Gas Bombs: 0	Serial #	•		
	ory Name: ry Comments:	Laboratory Location:				
	ry commente.					

Printed: 2013.08.21 @ 10:42:52

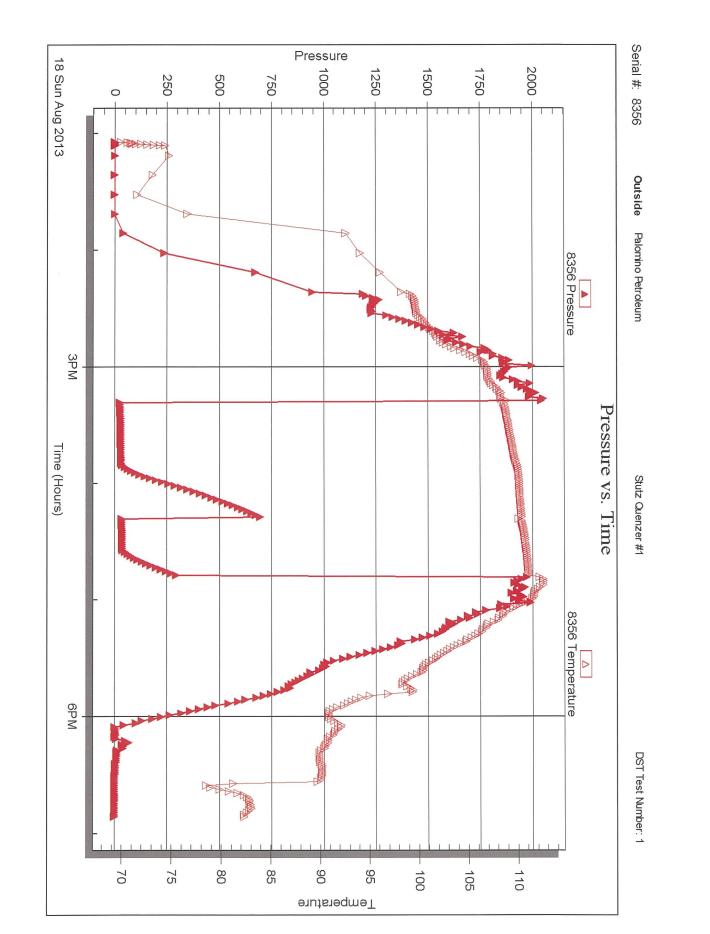
Ref. No: 53199







Ref. No: 53199





DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

Stutz Quenzer #1

7-17s-25w Ness,KS

Start Date:	2013.08.19 @	13:33:05	
End Date:	2013.08.19 @	19:46:43	
Job Ticket #:	53200	DST #:	2

RILOBITE	DRILL STEM TES	TREP	ORT	
	Palomino Petroleum		7-17s-2	5w Ness,KS
ESTING , INC	4924 SE 84th St New ton, KS 67114			Quenzer #1
				et: 53200 DST#: 2
, WWW.	ATTN: Ryan Seib		lest Sta	rt: 2013.08.19 @ 13:33:05
GENERAL INFORMATION:				
Miss Deviated: No Whipstock: Time Tool Opened: 15:24:43 Time Test Ended: 19:46:43	ft (KB)		Test Typ Tester: Unit No:	e: Conventional Bottom Hole (Reset) Brandon Turley 60
Interval: 4386.00 ft (KB) To 44 Total Depth: 4491.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole			Referen	ce Elevations: 2537.00 ft (KB) 2527.00 ft (CF) KB to GR/CF: 10.00 ft
Serial #: 8373 Inside Press@RunDepth: 100.98 psig Start Date: 2013.08.19 Start Time: 13:33:10	End Date: End Time:	2013.08.19 19:46:42	Capacity: Last Calib.: Time On Btm: Time Off Btm	Ŷ
TEST COMMENT: IF: 1/4" blow built IS: No return. FF: 1/4" blow buil FS: No return.				
Pressure vs. Ti 8373 Pressure	me 8373 Temperature			SURE SUMMARY
220 How Aug 2013	R73 Temperature T	Time (Min.) 0 2 32 62 62 92 122 123	(psig) (de 2252.42 11 31.77 11 68.59 11 856.31 11 77.42 11 100.98 11 761.11 11	Annotation Annotation
Recovery]		Gas Rates
Length (ft) Description	Volume (bbl)			Choke (inches) Pressure (psig) Gas Rate (Mcf/d)
120.00 ocm 50% o 50% m	0.59			
60.00 mco 70%o 30%m 32.00 go 10%g 90%o	0.30			
	0.15			
* Recovery from multiple tests				
Trilobite Testing, Inc	Ref. No: 53200		Pr	inted: 2013.08.21 @ 10:42:13

RILOBITE	Palomino Petroleum		7-17	7s-25w	Ness,KS		
ESTING, INC							
	4924 SE 84th St New ton, KS 67114		Stu	itz Que	nzer #1		
	New (01, KS 07 1 14		Job '	Ticket: 5	3200	DST#:2	2
	ATTN: Ryan Seib		Test	t Start: 2	013.08.19 (@ 13:33:05	
GENERAL INFORMATION:							
Formation: Miss				_			
Deviated: No Whipstock:	ft (KB)		Test	•••	Conventior Brandon Ti	nal Bottom Ho	e (Rese
Time Tool Opened: 15:24:43 Time Test Ended: 19:46:43			Unit		60	uriey	
Interval: 4386.00 ft (KB) To 44	91.00 ft (KB) (TVD)		Refe	erence E	levations:	2537.00	ft (KB)
Total Depth: 4491.00 ft (KB) (Tv	/D)					2527.00	ft (CF)
Hole Diameter: 7.88 inches Hole	Condition: Good			KB	to GR/CF:	10.00	ft
Serial #: 8356 Outside							
Press@RunDepth: psig			Capacity:			8000.00	psig
Start Date: 2013.08.19 Start Time: 13:33:24	End Date: End Time:	2013.08.19 19:47:48	Last Calib Time On E			2013.08.19	
Start Time: 13:33:24		19:47:48	Time On E				
FS: No return. Pressure vs. Ti	me GSC0 Temperature	Time			RE SUM		
FS: No return.							
Pressure vs. Tr S306 Pressure		Time					
220 Ressure vs. Ti	SSE0 Yemperature	Time 15 (Min.)	PF Pressure (psig)	RESSU Temp (deg F)	Annota		
2200 A A A A A A A A A A A A A A A A A A			Pressure	Temp	Annota		
220 Ressure vs. Ti	Interpretative and a second se	15 (Min.)	Pressure	Temp	Annota		
2200 A A A A A A A A A A A A A A A A A A		15 (Min.) 10	Pressure	Temp	Annota		
220 Pressure vs. Tr 8000 Presure 200 770	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 (Min.) 10 ας αο	Pressure	Temp	Annota		
220 200 1750 100		15 (Min.) 10 00 σ σ σ σ σ σ σ σ σ σ σ	Pressure	Temp	Annota		
220 200 1750 100		15 (Min.) 10 α α σ ποροτιώνο ο ο	Pressure	Temp	Annota		
Pressure vs. Ti 8000 Pressure 200 100 100 100 100 100 100 100		15 (Min.) 10 00 со темретацие 5	Pressure	Temp	Annota		
Pressure vs. Ti 5000 Pressure 200 100 100 100 100 100 100 100		15 (Min.) 10 06 05 τοπροτελινό 5 0	Pressure	Temp	Annota		
Pressure vs. Ti 200 Pressure 200 Pressure 20		15 (Min.) 10 00 со со готорование 5 0 5	Pressure	Temp	Annota		
Pressure vs. Tr 200 100 100 100 100 100 100 100		15 (Min.) 10 00 со со готорование 5 0 5	Pressure	Temp	Annota		
Pressure vs. Tr 200 Pressure vs. Tr 200 Pressure 200 Pr		15 (Min.) 10 00 со со готорование 5 0 5	Pressure	Temp (deg F)	Annota		
Pressure vs. Tr 200 100 100 100 100 100 100 100		15 (Min.) 10 00 со со готорование 5 0 5	Pressure	Temp (deg F)	Annota as Rates	tion	as Pate /M
Pressure vs. Tr 200 100 100 100 100 100 100 100	CEM	15 (Min.) 10 00 со со готорование 5 0 5	Pressure	Temp (deg F)	Annota as Rates	tion	as Rate (Mo
Pressure vs. Tr 2000 Pressure 2000	CEPM	15 (Min.) 10 00 со со готорование 5 0 5	Pressure	Temp (deg F)	Annota as Rates	tion	as Rate (Mo
Pressure vs. Tr 2000 1000 1000 1000 1000 1000 1000 120.00 120	ССТ Гелустиие	15 (Min.) 10 00 со со готорование 5 0 5	Pressure	Temp (deg F)	Annota as Rates	tion	as Rate (Mo
Pressure vs. Tr 2000 Pressure 2000	CEPM	15 (Min.) 10 00 со со тетреалис 5 5	Pressure	Temp (deg F)	Annota as Rates	tion	as Rate (Mo
Pressure vs. Tr 2000 1000 1000 1000 1000 1000 1000 120.00 120	ССТ Гелустиие	15 (Min.) 10 00 со со тетреалис 5 5	Pressure	Temp (deg F)	Annota as Rates	tion	as Rate (Mo
Pressure vs. Tr 2000 1000 1000 1000 1000 1000 1000 120.00 120	ССТ Гелустиие	15 (Min.) 10 00 со со тетреалис 5 5	Pressure	Temp (deg F)	Annota as Rates	tion	as Rate (Mo

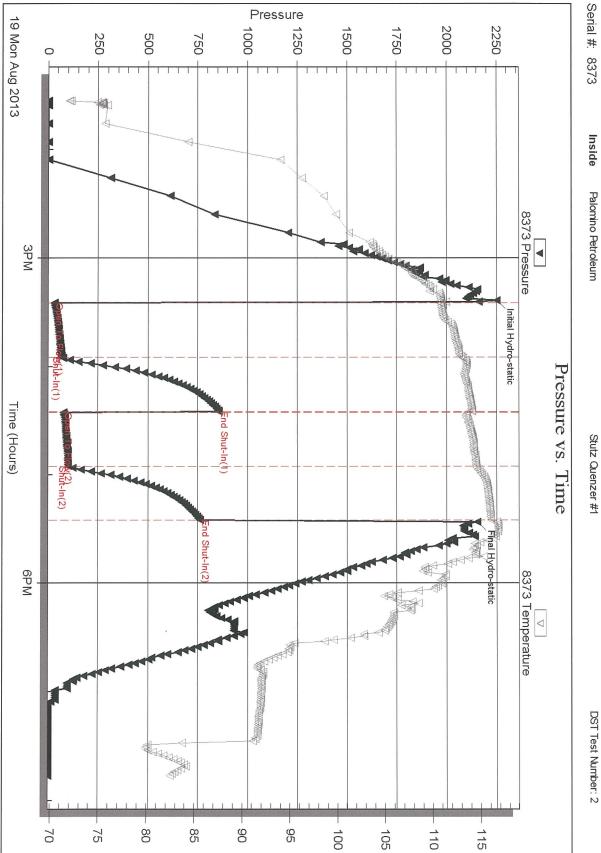
	ILOB	IIE	Palomin	o Petroleum			7-17s-25w Ness,	KS
	EST	ING , INC					Stutz Quenzer #	
			1	E 84th St n, KS 67114				
				,			Job Ticket: 53200	DST#: 2
			ATTN:	Ryan Seib			Test Start: 2013.08.	19 @ 13:33:05
Tool Information			-					
Drill Pipe: Ler	ngth:	4160.00 ft	Diameter:	3.80 in	ches Volume:	58.35 bbl	Tool Weight:	2000.00 lb
-leavy Wt. Pipe: Ler	ngth:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bbl	Weight set on Pa	cker: 30000.00 lb
Drill Collar: Ler	ngth:	208.00 ft	Diameter:	2.25 in	ches Volume:	1.02 bbl	Weight to Pull Loc	ose: 95000.00 lb
Drill Pipe Above KB:		10.00 ft		-	Total Volume:	59.37 bbl	Tool Chased	0.00 ft
Depth to Top Packer:		4386.00 ft					String Weight: Ini	
Depth to Bottom Pack		4000.00 ft					Fir	nal 82000.00 lb
nterval between Pac		105.00 ft						
fool Length:		133.00 ft						
		•	Diameter:	6.75 in	ches			
Number of Packers:		2	Danotor					
Number of Packers: Tool Comments:		2	Diamotor					
Number of Packers: Tool Comments:								
Number of Packers: Tool Comments: Tool Description			ngth (ft)	Serial No.	Position		Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Stubb			ngth (ft) 1.00	Serial No.	Position	4359.00	Accum. Lengths	
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool			ngth (ft) 1.00 5.00	Serial No.	Position	4359.00 4364.00	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool			ngth (ft) 1.00 5.00 5.00	Serial No.	Position	4359.00 4364.00 4369.00	Accum. Lengths	
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool lars			ngth (ft) 1.00 5.00 5.00 5.00	Serial No.	Position	4359.00 4364.00 4369.00 4374.00	Accum. Lengths	
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool lars Safety Joint			ngth (ft) 1.00 5.00 5.00 5.00 3.00	Serial No.	Position	4359.00 4364.00 4369.00 4374.00 4377.00		Bottom Of Tap Dacks
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer			ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00	Serial No.	Position	4359.00 4364.00 4369.00 4374.00 4377.00 4382.00	Accum. Lengths 28.00	Bottom Of Top Packe
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer			ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00 4.00	Serial No.	Position	4359.00 4364.00 4369.00 4374.00 4377.00 4382.00 4386.00		Bottom Of Top Packe
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb			ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00			4359.00 4364.00 4369.00 4374.00 4377.00 4382.00 4386.00 4386.00		Bottom Of Top Packe
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder			ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00	8373	Position	4359.00 4364.00 4369.00 4374.00 4377.00 4382.00 4386.00 4386.00 4387.00		Bottom Of Top Packe
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder			ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00		Inside	4359.00 4364.00 4369.00 4374.00 4377.00 4382.00 4386.00 4387.00 4387.00 4387.00		Bottom Of Top Packe
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations			ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 3.00	8373	Inside	4359.00 4364.00 4369.00 4374.00 4377.00 4382.00 4386.00 4387.00 4387.00 4387.00 4387.00		Bottom Of Top Packe
Number of Packers: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub			ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 3.00 1.00	8373	Inside	4359.00 4364.00 4369.00 4374.00 4377.00 4382.00 4386.00 4387.00 4387.00 4387.00 4387.00 4390.00 4391.00		Bottom Of Top Packe
Number of Packers: Tool Comments: Fool Comments: Fool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe			ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 3.00 1.00 94.00	8373	Inside	4359.00 4364.00 4369.00 4374.00 4377.00 4382.00 4386.00 4387.00 4387.00 4387.00 4387.00 4390.00 4391.00 4485.00		Bottom Of Top Packe
Number of Packers: Tool Comments: Tool Description			ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 3.00 1.00	8373	Inside	4359.00 4364.00 4369.00 4374.00 4377.00 4382.00 4386.00 4387.00 4387.00 4387.00 4387.00 4390.00 4391.00		Bottom Of Top Packe

RILOBITE	D	RILL	STEM TEST R	EPOR	Γ		FLUID S	UMMARY
	Pale	mino Petr	oleum		7-17s-25w	Ness,KS		
TESTING		4924 SE 84th St New ton, KS 67114 ATTN: Ryan Seib				Stutz Quenzer #1 Job Ticket: 53200 DST#: 2 Test Start: 2013.08.19 @ 13:33:05		
	AT							
Mud and Cushion Informa	l							
Mud Type: Gel Chem			Cushion Type:			Oil A PI:		0 deg API
Mud Weight: 9.00 lb/gal			Cushion Length:		ft	Water Salinity:		0 ppm
Viscosity: 51.00 sec/qt			Cushion Volume:		bbl			
Water Loss: 10.37 in ³			Gas Cushion Type:					
Resistivity: 0.00 ohm.m	l		Gas Cushion Pressure	:	psig			
Salinity: 2900.00 ppm								
Filter Cake: 1.00 inches								
Recovery Information			Recovery Table					
	Length ft		Description		Volume bbl]		
	120.0	*****	50%o 50%m		0.59			
	60.0		70%o 30%m		0.29			
	32.0) go 10)%g 90%o		0.19	4		
Total Ler	ngth:	12.00 ft	Total Volume:	1.079 bbl				
Laborato	d Samples: 0 ory Name: y Comments:		Num Gas Bombs: Laboratory Locatior	0 n:	Serial #	ŧ <u>.</u>		
Trilobite Testing, Inc			53200			d: 2013.08.21 @		



Ref. No: 53200

Trilobite Testing, Inc

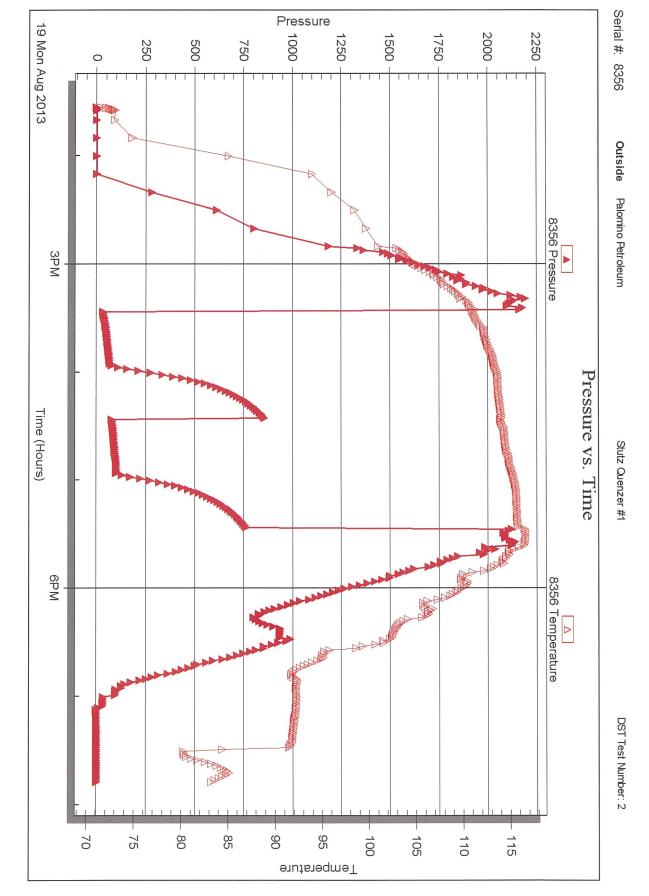


Temperature

DST Test Number: 2



Ref. No: 53200





DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

Stutz Quenzer #1

7-17s-25w Ness,KS

 Start Date:
 2013.08.20 @ 10:18:44

 End Date:
 2013.08.20 @ 16:23:22

 Job Ticket #:
 54926
 DST #: 3

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

Printed: 2013.08.21 @ 10:41:28

RILOBITE	DRILL STEM TES	TREP	ORT				
	Palomino Petroleum		7-17	7s-25w I	Vess, KS		
ESTING , INC.	4924 SE 84th St New ton, KS 67114			tz Quen			
				Ticket: 54		DST#: 3	
	ATTN: Ryan Seib		lest	Start: 20	13.08.20 @	10:18:44	
GENERAL INFORMATION:							
Formation: Miss Deviated: No Whipstock: Time Tool Opened: 11:59:52 Time Test Ended: 16:23:22	ft (KB)		Test Test Unit	er: E	Conventiona Brandon Tur 60	l Straddle (F ley	æset)
Total Depth: 4610.00 ft (KB) (T	5 19.00 ft (KB) (TVD) /D) e Condition: Good		Refe	erence Ele KB ti	evations: o GR/CF:	2537.00 2527.00 10.00	ft (CF)
Serial #: 8373 Inside Press@RunDepth: 66.45 psig Start Date: 2013.08.20 Start Time: 10:18:49 TEST COMMENT: IF: 1/4" blow buillis: No return. FF: Surface blow FS: No return.	End Date: End Time: t to 3"	2013.08.20 16:23:21	Capacity: Last Calib Time On I Time Off	o.: 3tm: 2	2013.08.20 (2013.08.20 (-	psig
Pressure vs. 1	······································	1			RE SUMM		
20 Tur Arg 2013	Translation of the second seco	Time (Min.) 0 1 32 61 61 91 122 124	Pressure (psig) 2255.47 20.60 45.60 1054.13 48.93 66.45 948.92 2218.20	Temp (deg F) 118.23 118.03 120.20 120.66 120.33 122.00	Annotatic Initial Hydro Open To F Shut-In(1)	o-static low (1) n(1) low (2) n(2)	
Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressu	ure (psig) Ga	is Rate (Mcf/d)
60.00 w cm 10% y 90%m	0.30						
30.00 w cm 5%w 95%m 30.00 oil 100%o	0.15						
30.00 oil 100%o	0.15						
* Recovery from multiple tests							
Trilobite Testing, Inc	Ref. No: 54926	1		Printad	2013.08.21	@ 10.41.29	

	DRILL STEM TES	T REP	ORT			
RILOBITE	Palomino Petroleum		7-17	7s-25w	Ness,KS	
ESTING , INC	4924 SE 84th St New ton, KS 67114		Stu	itz Que	nzer #1	
			Job	Ticket: 5	4926	DST#: 3
	ATTN: Ryan Seib		Test	t Start: 2	013.08.20 @	⊉ 10:18:44
GENERAL INFORMATION:						
Formation:MissDeviated:NoWhipstock:Time Tool Opened:11:59:52Time Test Ended:16:23:22	ft (KB)		Test Test Unit	ter:	Convention Brandon Tu 60	al Straddle (Reset) rley
Interval:4490.00 ft (KB) To457Total Depth:4610.00 ft (KB) (TVHole Diameter:7.88 inches Hole	D)		Refe		evations: to GR/CF:	2537.00 ft (KB) 2527.00 ft (CF) 10.00 ft
Serial #: 8356 Outside						
Press@RunDepth: psig @			Capacity:			8000.00 psig
Start Date: 2013.08.20 Start Time: 10:18:50	End Date: End Time:	2013.08.20 16:24:14	Last Calib Time On I Time Off	Btm:		2013.08.20
IS: No return. FF: Surface blow FS: No return. Pressure vs. Tu		1				
Pressure vs. 111 E300 Pressure	A 8355 Temperature	Time	Pressure	Temp	RE SUMN	
20 Ture Aug 2013	12 13 16 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.)	(psig)	(deg F)		011
Recovery			•	Ga	s Rates	
Length (ft) Description	Volume (bbl)			Choke	(inches) Press	ure (psig) Gas Rate (Mcf/d)
60.00 w cm 10%w 90%m 30.00 w cm 5%w 95%m	0.30					
30.00 vil 100%o	0.15					
* Recovery from multiple tests						

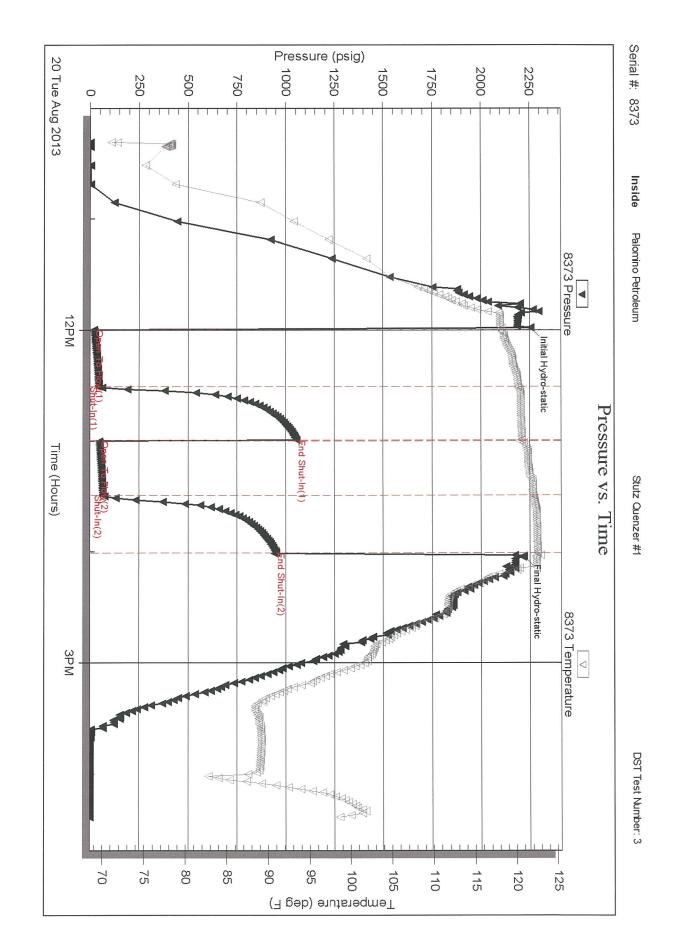
	DRILL STEM TES	TREP	ORT				
RILOBITE	Palomino Petroleum		7-1	7s-25w	Ness, KS		
ESTING , INC	4924 SE 84th St		Stu	itz Quei	nzer #1		
	New ton, KS 67114		Job	Ticket: 54	4926	DST#: 3	
	ATTN: Ryan Seib		Tes	t Start: 2	013.08.20 @	2 10:18:44	
GENERAL INFORMATION:	*****						
Formation:MissDeviated:NoWhipstock:Time Tool Opened:11:59:52Time Test Ended:16:23:22	ft (KB)		Tes	ter:	Convention Brandon Tu 60	al Straddle (Reset) ırley	I
Interval:4490.00 ft (KB) To45Total Depth:4610.00 ft (KB) (TvHole Diameter:7.88 inchesHole			Ref		evations: to GR/CF:	2537.00 ft (KI 2527.00 ft (Cf 10.00 ft	
Serial #: 8645 Below (Strade	dle)	<u></u>					
Press@RunDepth: psig (• • •		Capacity			8000.00 psig	
Start Date: 2013.08.20 Start Time: 10:18:12	End Date: End Time:	2013.08.20 16:21:36	Last Calil Time On Time Off	Btm:		2013.08.20	
FF: Surface blow FS: No return. Pressure vs. Ti	ime	1	PF	RESSU	RE SUMN	IARY	
8045 Pressure	0 8646 Temperature 125	Time	Pressure	Temp	Annotat	ion	
20 Ture Aug 2013	Tomperature (deg F)	(Min.)	(psig)	(deg F)			
Recovery				Ga	as Rates		
	Volume (bbl)			Choke	(inches) Pres	sure (psig) Gas Rate ((Mcf/d)
Length (ft) Description		1					
60.00 w cm 10%w 90%m	0.30						
-	0.30 0.15 0.15						
60.00 w cm 10%w 90%m 30.00 w cm 5%w 95%m	0.15						

RILOE	SIIE		Petroleum			7-17s-25w Ness,KS	
EST	FING , INC	New ton,	KS 67114			Stutz Quenzer #1 Job Ticket: 54926	DST#: 3
		ATTN: F	yan Seib			Test Start: 2013.08.20 (@ 10:18:44
Tool Information					annan an a		
Drill Pipe: Length: Heavy Wt. Pipe: Length: Drill Collar: Length: Drill Pipe Above KB:	0.00 ft	Diameter: Diameter: Diameter:	0.00 in 2.25 in	ches Volume: ches Volume: ches Volume: Total Volume:	0.00 bbl 1.02 bbl	Tool Weight: Weight set on Packer Weight to Pull Loose: Tool Chased	100000.0 lb 0.00 ft
Depth to Top Packer: Depth to Bottom Packer: Interval betw een Packers: Tool Length:	4490.00 ft 4515.00 ft					String Weight: Initial Final	86000.00 lb 86000.00 lb
Number of Packers: Tool Comments:	2	Diameter:	6.75 ind	ches			
Tool Description	Le	ngth (ft) S	erial No.	Position	Depth (ft) A	ccum. Lengths	
						oounn mongino	
Stubb		1.00			4463.00		
Stubb Shut In Tool		1.00 5.00			4463.00 4468.00		
Stubb Shut In Tool Hydraulic tool		1.00 5.00 5.00			4463.00 4468.00 4473.00		
Stubb Shut In Tool Hydraulic tool Jars		1.00 5.00 5.00 5.00			4463.00 4468.00 4473.00 4478.00		
Stubb Shut In Tool Hydraulic tool Jars Safety Joint		1.00 5.00 5.00			4463.00 4468.00 4473.00	28.00	Bottom Of Top Packer
Stubb		1.00 5.00 5.00 5.00 3.00			4463.00 4468.00 4473.00 4478.00 4481.00		Bottom Of Top Packer
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		1.00 5.00 5.00 5.00 3.00 5.00			4463.00 4468.00 4473.00 4478.00 4481.00 4486.00		Bottom Of Top Packer
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		1.00 5.00 5.00 5.00 3.00 5.00 4.00	8373	Inside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00		Bottom Of Top Packer
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		1.00 5.00 5.00 3.00 5.00 4.00 1.00			4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00 4491.00		Bottom Of Top Packer
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00	8373	Inside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4480.00 4491.00 4491.00		Bottom Of Top Packer
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 23.00 1.00	8373	Inside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00 4491.00 4491.00 4491.00 4514.00		
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Blank Off Sub Packer		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 23.00 1.00 4.00	8373	Inside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00 4491.00 4491.00 4491.00 4514.00 4515.00	28.00	
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Blank Off Sub Packer Stubb		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 23.00 1.00 4.00 1.00	8373	Inside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00 4491.00 4491.00 4514.00 4515.00 4519.00 4520.00	28.00	
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Slank Off Sub Packer Stubb Perforations		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 23.00 1.00 4.00 1.00 20.00	8373	Inside	4463.00 4468.00 4473.00 4478.00 4486.00 4486.00 4490.00 4491.00 4491.00 4491.00 4491.00 4514.00 4515.00 4519.00 4520.00	28.00	
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Slank Off Sub Packer Stubb Parforations Change Over Sub		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 23.00 1.00 4.00 1.00 20.00 1.00	8373 8356	Inside Outside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00 4491.00 4491.00 4491.00 4514.00 4515.00 4519.00 4520.00 4540.00	28.00	
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Slank Off Sub Packer Stubb Perforations Change Over Sub Recorder		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 23.00 1.00 4.00 1.00 20.00 1.00 0.00	8373	Inside	4463.00 4468.00 4473.00 4478.00 4478.00 4481.00 4486.00 4490.00 4491.00 4491.00 4491.00 4514.00 4515.00 4519.00 4520.00 4540.00 4541.00	28.00	
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Perforations Blank Off Sub Packer Stubb Perforations Change Over Sub Recorder Drill Pipe		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 23.00 1.00 4.00 1.00 20.00 1.00 63.00	8373 8356	Inside Outside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00 4491.00 4491.00 4514.00 4515.00 4519.00 4519.00 4520.00 4540.00 4541.00 4604.00	28.00	
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Blank Off Sub Packer Stubb Packer Stubb Perforations Change Over Sub Recorder Drill Pipe Change Over Sub		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 23.00 1.00 4.00 1.00 20.00 1.00 63.00 1.00	8373 8356	Inside Outside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00 4491.00 4491.00 4491.00 4491.00 4514.00 4515.00 4519.00 4520.00 4540.00 4541.00 4604.00 4605.00	28.00	Tool Interva
Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Blank Off Sub Packer Stubb Parforations Change Over Sub Recorder		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 23.00 1.00 4.00 1.00 20.00 1.00 63.00	8373 8356	Inside Outside	4463.00 4468.00 4473.00 4478.00 4481.00 4486.00 4490.00 4491.00 4491.00 4514.00 4515.00 4519.00 4519.00 4520.00 4540.00 4541.00 4604.00	28.00	Bottom Of Top Packer Tool Interval

10 m		DRI	LL STEM TEST F	REPORT	Γ	I	FLUID SUMMARY
	RILOBITE	Palomir	no Petroleum		7-17s-25w	Ness,KS	
	ESTING , INC		E 84th St n, KS 67114		Stutz Que		DOT# 0
					Job Ticket: 5		DST#: 3
		ATTN.	Ryan Seib			2013.08.20 @ 10	. 10.44
Mud and Cu	ushion Information						
1	Bel Chem		Cushion Type:			Oil API:	0 deg API
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:	0 ppm
Viscosity:	51.00 sec/qt		Cushion Volume:		bbl		
Water Loss:	10.38 in ³		Gas Cushion Type:				
Resistivity:	0.00 ohm.m		Gas Cushion Pressure	c.	psig		
Salinity: Filter Cake:	2900.00 ppm 1.00 inches						
Recovery In	normation		Recovery Table				
	Leng	ith	Description		Volume	٦	
	ft				bbl		
		60.00	w cm 10%w 90%m		0.29		
		30.00	w cm 5%w 95%m		0.14		
		30.00	oil 100%o		0.14	8	
	Total Length:	120	.00 ft Total Volume:	0.591 bbl			
	Num Fluid Sam	oles: 0	Num Gas Bombs:	0	Serial #	# :	
	Laboratory Nar	ne:	Laboratory Locatio	n:			
	Recovery Com	ments:					

Printed: 2013.08.21 @ 10:41:31

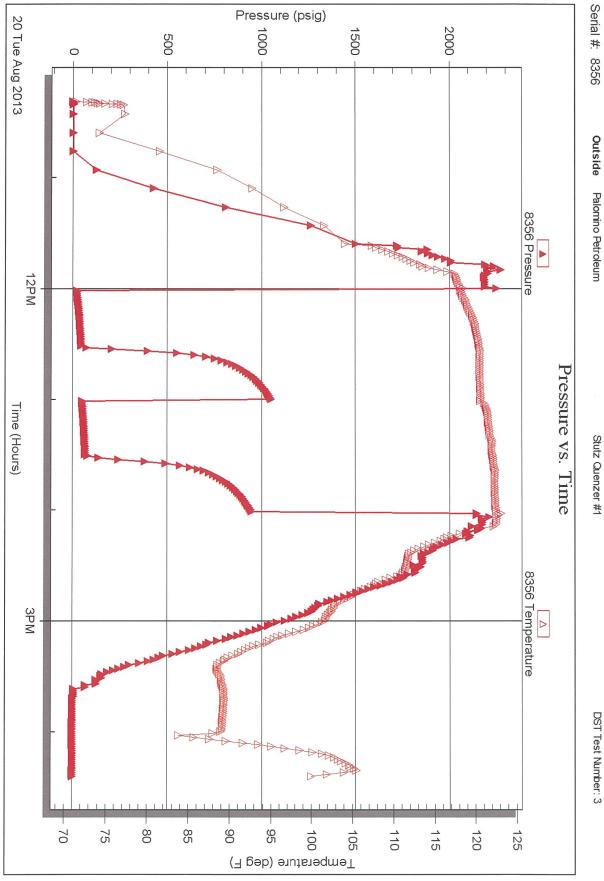
Ref. No: 54926







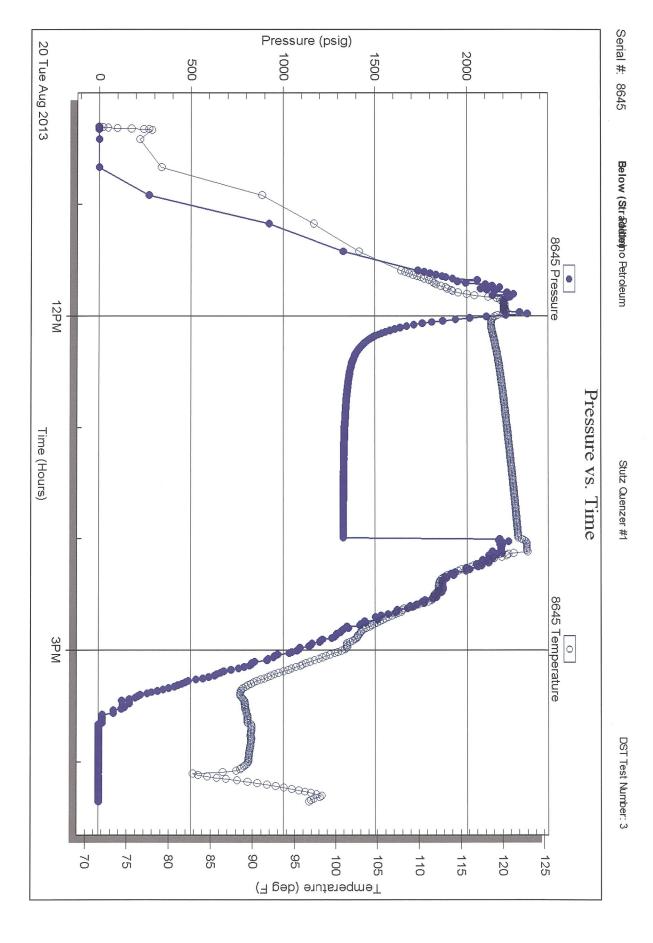












410	RILOBITE ESTING INC. 1515 Commerce Parkwar				Test NO.	Ticket 53199	
Company Pa /6 Addross <u>4924</u> Co. Rep / Geo Location: Sec Interval Tested <u>4/4</u> Anchor Length Top Packer Depth Bottom Packer Depth	SE 84th St Rygn Seib 7 IWP. 175 2 431 168 4137 4142 1210	Rge.	M 2.5 W Zone Tested Drill Pipe Run Drill Collars Run Wt. Pipo Run Chlorides	Rig Pro Co. N/C. MAY M9+0 ₹ 39/2 208 000 ppm	y ss n	_Date <u>8-1</u> KB <u>2.52</u> // #/ State <u>1</u> Mud Wt. <u>9.2</u> Vis <u>60</u> WL <u>1.3,6</u> LCM <u>6</u>	27 GL
15; FE: FS;	No return. No blow. No return.						/00
100	Feet of Mud			%gas	%oil	%water	100%mud
	Feet of			%gas	%oil	%water	%mud
	Feet of			%gas	%oil	%water	%mud
RecF	Feet of			%gas	%oil	%water	%mud
RecF	BHT // 0			%gas	%oil	%water	%mud
 (A) Initial Hydrostatic (B) First Initial Flow (C) First Final Flow (D) Initial Shut-In (E) Second Final Flow	24 30 705 35 41 206 1978		Safety Joint7 Dirc Sub7 Hourly Standby Mileage6 Sampler6 Straddle6 Shale Packer6 Shale Packer6 Extra Packer6 Extra Recorder6 Day Standby6	VIC	T-Starte T-Open T-Pulleo T-Out _ Comme Comme Q Ruin Q Extr Sub Tot Total _	15:69 16:49 18:55 ents ned Shale Packer ned Packer a Copies al 0 1745.50	5
			Total 1745.5		WP/DS	T Disc't	
Approved By		200		Papropostatius			

4/10	RILOBITE ESTING INC 1515 Commerce Parkwa		601	Tes NO.	t Ticket 53200	
Company Rolon	Styfz Quer nino Petrole					
Address Co. Rep / Geo R	100 Seit		Dia	Pickna	11=#1	
Location: Sec. 7	Twp. 175	_ Rge Z 5 W		1255	State	155
Interval Tested 438		19/	 	/		
	1.4/		1,'s 4160		Mud Wt	3
Anchor Length	1170		-		Vis 5/	
Top Packer Depth Bottom Packer Depth	4201	Wt. Pipe Run			WL 101	
Total Depth	140)	900	nom System		
	EF: 1/4 blow					***
•	s: No return					9-14-16-16-16-16-16-16-16-16-16-16-16-16-16-
	: 14 blow bi					
	No return.	• • • • • • • • • • • • • • • • • • •				
Rec F	eet of 90		10 %gas	90%oil	%water	%mud
Rec. 60 F	eet of MCO		%gas	70 %oil	%water	30 %mud
Rec. 126 F	eet of BCM		%gas	50 %oil	%water	50 %mud
Rec F	eet of		%gas	%oil	%water	%mud
	eet of		%gas	%oil	%water	%mud
Rec Total 2/2	внт_114	Gravity			Chlorides	ppm
(A) Initial Hydrostatic		M Test_1250		T-On L	ocation 13:	
(B) First Initial Flow	31	Jars 250		T-Start	15 -	3
(C) First Final Flow	68	Safety Joint	75	T-Oper		
(D) Initial Shut-In	856	Circ Sub	V/L	T-Pulle	10111	P-
(E) Second Initial Flow _	1	Hourly Standby		T-Out		
(F) Second Final Flow		Mileage///0-	170.50	Comm	ents	
(G) Final Shut-In	761	C Sampler				
(H) Final Hydrostatic	2153	Straddle		D_ Bu	ined Shale Packer	
		G Shale Packer			ined Packer	
Initial Open <u>30</u>		Extra Packer			ra Copies	
Initial Shut-In30		Extra Recorder			tal0	
Final Flow	30	Day Standby			1745.50	A.
Final Shut-In	30	Accessibility			GT Disc't	
		Sub Total 1745.		Same and the second sec		
An annual Du		0	Democrate			-

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4/10 RILOBITE ESTING IN 1515 Commerce Parky	<i>IC.</i> vay ∙ Hays, Kansas 6760′		NO. 54	cket	
Well Name & No. <u>57472 Qy</u> Company <u>Pylomino</u> Petro	pleym	Elevation 25	37 к	3252	
Address Co. Rep / Geo Ryn Seib	Rge. 2540	Rig_Pic	kred	#/	
Location: Sec Twp	Rge	co. Nes	3	State	175
Interval Tested 4490 451					-
Anchor Length 2/	Drill Pipe Run		Mud V	VI. 9.3	,
top Packer Depth	Drill Collars Hun	208		51	
Bottom Packer Depth 451	2 Wt. Pipe Run		WL	10,4	/
Total Depth 4610	Chlorides 29	00 ppm Sys	tem LCM	_O	
Blow Description IF; 1/4 blow	2 built +6 3	,			
IJ: No return.					
FFi Sarface b	low built to	2.			
FS: No return	n,	namena 1920 - 1820 - 1820 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 -	9 911018-301-0018-10990-11090-8-0-016-000-01680-0	, adathardd ar (manna y glar a brain, gan,	
Rec_30_ Feet of 011		%gas /00	%oil	%water	%mud
70 1. (10)			%0il 5	%water	95%mud
Rec 60 Feet of WCM		%gas	%oil 10	%water	90 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total 120 BHT 127	Gravity Al	PIRW@			ppm
(A) Initial Hydrostatic <u>22.55</u>	Test 1250		T-On Location	9:13	5
(B) First Initial Flow 20	Jars		T-Started	10:18	3
(C) First Final Flow45	Safety Joint75		and the second s	12:00	
(D) Initial Shut-In 10.55	Circ Sub N-	12	T-Pulled	1 1 .	,
(E) Second Initial Flow	Hourly Standby		T-Out	6:25	
(F) Second Final Flow 66	Mileage 2-20 -		Comments		
(G) Final Shut-In 948	Sampler		Ball analysis at the second		
(H) Final Hydrostatic ZZ18	Straddle 600	,00			
	Shale Packer		Ruined Sh		
Initial Open 3 D	Extra Packer		Ruined Pa		
Initial Shut-In30	 Extra Packor Extra Recorder 		E Extra Copi		
Final Flow			Sub Total Total 2345.		
Final Shut-In 30	Day Standby				
	C Accessibility		MP/DST Disc	⊃1	
	Sub Total 2345.50				