KOLAR Document ID: 1349857

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from 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: ()	NE NW SE SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)
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	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	·
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv.	to SWD Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv.	
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	
EOR Permit #:	Operator Name:
GSW Permit #:	License #:
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion D Recompletion Date Recompletion	ate or

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
☐ Wireline Log Received ☐ Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II Approved by: Date:

KOLAR Document ID: 1349857

Page Two

Operator Name: _				Lease Name:			Well #:			
Sec Twp.	S. R.	E	ast West	County:						
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,		
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests Ta			Yes No			g Formation (Top), Depth and Datum				
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum		
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No							
		B	CASING eport all strings set-c		New Used	ion, etc.				
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD					
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives					
Perforate Protect Casi Plug Back T										
Plug Off Zor										
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,		
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)				
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio Gravity			
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom		
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT		
,	,			B.11 B1						
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:						
TODING RECORD:	. 3126.	Set	n.	i donei Al.						

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	ROHR 1
Doc ID	1349857

All Electric Logs Run

Gamma Ray
Dual Induction
Compensated Neutron
Micro

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	ROHR 1
Doc ID	1349857

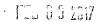
Tops

Name	Тор	Datum
Anhy.	2032	(+ 579)
Base Anhy.	2065	(+ 546)
Topeka	3603	(- 992)
Heebner	3844	(-1233)
Toronto	3865	(-1254)
Lansing	3884	(-1263)
Stark Sh.	4122	(-1511)
ВКС	4184	(-1573)
Marmaton	4232	(-1621)
Pawnee	4315	(-1712)
Ft. Scott	4373	(-1762)
Cherokee Sh.	4396	(-1785)
Miss.	4474	(-1863)
LTD	4626	(-2015)

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	ROHR 1
Doc ID	1349857

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.250	8.625	23	211	Common	2% gel, 3% c.c.





QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net Date: 2/6/2017 Invoice # 7332

P.O.#:

Quantity

Price

Taxable

Due Date: 3/8/2017 Division: Russell

Invoice

Contact:

Palomino Petroleum Inc Address/Job Location:

4924 SE 84th Newton Ks 67114

Reference:

ROHR 1 SEC 4-16-27

Services / Items Included:

Description of Work:

PLUG JOB

Common-Class A	162	\$	1,733.40	Yes					
POZ Mix-Standard	108	\$	487.30	Yes					
Premium Gel (Bentonite)	10	\$	186.93	Yes					
Bulk Truck Mati-Material Service Charge	280	\$	180.48	Yes					
Pump Truck Mileage-Job to Nearest Camp	41	\$	118.92	Yes					
Bulk Truck Mileage-Job to Nearest Bulk Plant	41	\$	92.50	Yes					
Fio Seal	67	\$	86.37	Yes					
Dry Hole Plug	1	\$	36,10	Yes					
Invoice Terms:							SubTotal:	æ	3,401.25
invoice renns.							Sub i Glai.	Ψ	3,401.20
Net 30			Discount Available ONLY if Invoice is Paid & Received						(07.00)
		-				within liste	d terms of invoice:	\$	(85.03)
						SubTo	otal for Taxable Items:	\$	3,316.22
						SubTotal fo	or Non-Taxable Items:	\$	_
							Total:	\$	3,316.22
				7.50% Lane (County Sale	s Tax	Tax:	\$	248.72
Thank You For Your Business!						Amount Due:	\$	3,564.94	
						Α	pplied Payments:		
							Balance Due:	\$	3,564.94

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

Quantity

Labor

Price

479,24

Taxable

Yes

Item

QUALITY C.LWELL CEMEN, ING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 7332

Cell 785-324-1041				100			describer to the second				
HOT S THE THE PARTY OF	Sec. Twp.		14	County	State	On Location	Finish				
Date 2-6-17	4 16	127	La	nen	K3		7,30Am.				
Total Miles			Locati	ion tendenn	15 Bast Side Re	ochiel 21/21	PD 285				
Lease Kohr		Well No.	aire	Owner & to Tomahawkow 120 Winto							
Contractor Ww #1	2	71.	2.	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish							
Type Job Rotary PV	va			cementer and helper to assist owner or contractor to do work as listed.							
Hole Size 778	T.D.	4636		To Palomino Petroleum							
Csg.	Depth			Street St							
Tbg. Size	Depth			City	± V(= 1, = 0, = 0, = 0, = 0, = 0, = 0, = 0,	State	Quality 194 y a succession				
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JOB SEF	VICES & REM	ARKS		Hulls	3 4		knod .				
Remarks:		100		Salt			BETWEEN VIEW				
Rat Hole 395	12			Flowseal DO 67 H							
Mouse Hole		#1472 . *		Kol-Seal							
Centralizers				Mud CLR 48							
Baskets	• 1			CFL-117 or CD110 CAF 38							
D/V or Port Collar		ale carrier	Section (Sand							
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X Signature	mile			The Thirds		Total Charge)				





Date: 1/27/2017 Invoice # 7325

FEB 0 2 2017

P.O.#:

Quantity

Price

Taxable

Due Date: 2/26/2017 Division: Russell

Invoice

PO Box 32 - 740 West Wichita Ave, Russell KS 67665

Phone: 785-324-1041 fax: 785-483-1087 Email: cementing@ruraltel.net

Contact:

Palomino Petroleum Inc Address/Job Location:

4924 SE 84th Newton Ks 67114

Reference:

ROHR 1 SEC 4-16-27

Services / Items Included:

Description of Work:

SURFACE JOB

Common-Class A	120	\$ 1,284.00	Yes				
Calcium Chloride	6	\$ 216.58	Yes				
POZ Mix-Standard	30	\$ 135.36	Yes				
Pump Truck Mileage-Job to Nearest Camp	41	\$ 118.92	No				
Bulk Truck Matl-Material Service Charge	159	\$ 102.49	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	41	\$ 92.50	No				
Premium Gel (Bentonite)	3	\$ 56.08	Yes				
Invoice Terms:					SubTotal:	\$	2,485.17
Net 30		Discou	nt Available	e <u>ONLY</u> if li	voice is Paid & Received	•	(00.40)
					nin listed terms of invoice:	\$	(62.13)
					SubTotal for Taxable Items:	\$	1,649.72
				Su	bTotal for Non-Taxable Items:	\$	773.32
					Total:	\$	2,423.04
			7.50% Lane C	County Sales Tax	Tax:	\$	123.73
Thank You For Your Business!				Amount Due:	\$	2,546.77	
					Applied Payments:		
					Balance Due:	\$	2,546.77

Item

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

Quantity

Labor

Price

479.24

Taxable

No

QUALITY CILWELL CEMESTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7325

Cell 703-324-1041	C	Trum I	Panas		County	State	On Location	Finish
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Date - 2 /-/ 7		14	<i>D</i> /_	10	VIC- 5-0.	K5 000	002 2/2 1/	12,750m
/2		Г	#	Location	on Pendenn		.1 3	<u> </u>
Lease Rohr		\	Well No.		Owner 12	10 Temeral illustration illustr		nto
Contractor WW	412				You are here	eby requested to rent	cementina eauipmer	nt and furnish
Type Job Suntac	2				F>	d helper to assist ow	mer or contractor to c	o work as listed.
Hole Size 12:/4		T.D.	211		Charge To	alomino f	<u>St.</u>	
Csg. 95/8		Depth	211		Street			
Tbg. Size		Depth			City		State	
Tool		Depth			The above wa	as done to satisfaction a	and supervision of owne	r agent or contractor.
Cement Left in Csg.	15	Shoe Jo	oint		Cement Amo	ount Ordered 157	9/20 31	LL 3/651
Meas Line		Displac	e 121/27	36				
<u> </u>	EQUIPM		-		Common /	20		
Pumptrk 5 No. Ceme		erig _			Poz. Mix	30		
No. Driver Bulktrk Driver		7			Gel.	3		
Bulktrk / No. Driver		<u> </u>			Calcium	6		
JOB SE	RVICES	& REMA	RKS		Hulls			
Remarks:					Salt			
Rat Hole					Flowseal			
Mouse Hole					Kol-Seal			
Centralizers					Mud CLR 48	3		
Baskets					CFL-117 or	CD110 CAF 38		
D/V or Port Collar		-11-28-S.	A		Sand			
25/20 Was	n) Mi	125k/	we let c	n .	Handling /	59		
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					Centralizer			
and the second					Baskets			
	Wa la	150 A. S. C.		3 . //	AFU Inserts			
					Float Shoe			
			430 V4.00	600	Latch Down			
	s/47/85					73 70		
				b 2220	10/2/55			
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Cignature 72 Let	-//-				J			

2017.02.01



DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114

ATTN: Andrew Stenzel

Rohr#1

4-16s-27w Lane,KS

Start Date: 2017.02.01 @ 16:15:15

End Date: 2017.02.01 @ 23:01:00

Job Ticket #: 65698 DST #: 1

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



Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114

Rohr #1

Job Ticket: 65698

4-16s-27w Lane, KS

DST#:1

ATTN: Andrew Stenzel

Test Start: 2017.02.01 @ 16:15:15

GENERAL INFORMATION:

Time Tool Opened: 18:47:00

Time Test Ended: 23:01:00

Formation:

LKC H-I

Deviated:

Interval:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Mike Roberts

Unit No:

81

Reference Elevations:

2611.00 ft (KB)

2605.00 ft (CF)

Total Depth: Hole Diameter:

Start Date:

Start Time:

4029.00 ft (KB) To 4096.00 ft (KB) (TVD) 4096.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

6.00 ft

Serial #: 6749

Press@RunDepth:

Outside 64.23 psig @

2017.02.01

4067.00 ft (KB) End Date:

2017.02.01

Capacity: Last Calib.: 8000.00 psig

16:15:15

End Time:

23:01:00

Time On Btm:

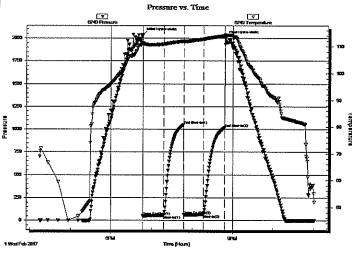
2017.02.01 2017.02.01 @ 18:46:45

Time Off Btm:

2017.02.01 @ 20:49:30

TEST COMMENT: IF:Built to 3/4" blow

IS:No return blow FF:No blow FS:No return blow



	PRESSURE SUMMARY							
•	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
	0	2038.82	111.26	Initial Hydro-static				
	1	50.23	110.73	Open To Flow (1)				
	31	56.98	110.91	Shut-In(1)				
	61	1050.15	112.06	End Shut-In(1)				
1	61	61.91	111.71	Open To Flow (2)				
Taracara tur	90	64.23	112.80	Shut-In(2)				
ž	122	1019.19	114.00	End Shut-In(2)				
	123	2006.89	114.23	Final Hydro-static				

Recovery

Length (ft)	Description	Volume (bbi)
10.00	mud 100%m	0.05

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc.

Ref. No: 65698



Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114 Rohr #1 Job Ticket: 65698

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2017.02.01 @ 16:15:15

GENERAL INFORMATION:

Time Tool Opened: 18:47:00

Time Test Ended: 23:01:00

Formation:

LKC H-I

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Mike Roberts

Unit No:

2611.00 ft (KB)

Reference Elevations:

2605.00 ft (CF)

KB to GR/CF:

6.00 ft

Interval: Total Depth:

Hole Diameter:

4029.00 ft (KB) To 4096.00 ft (KB) (TVD)

Inside

4096.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8672

Press@RunDepth:

psig @ 2017.02.01

4067.00 ft (KB) End Date:

2017.02.01

Capacity: Last Calib .: 8000.00 psig

2017.02.01

Start Date: Start Time:

16:15:15

End Time:

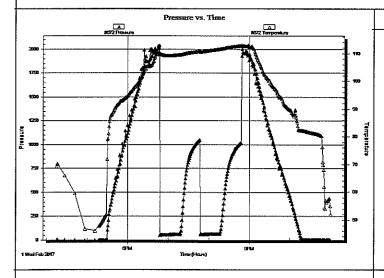
23:01:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Built to 3/4" blow

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY								
Time	Pressure	Temp	Annotation					
(Min.)	(psig)	(deg F)						

Recovery

Length (fl)	Description	Volume (bbl)	
10.00	mud 100%m	0.05	

Gas Rates							
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)					

Trilobite Testing, Inc. Ref. No: 65698 Printed: 2017.02.06 @ 09:24:10



TOOL DIAGRAM

Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114 4-16s-27w Lane, KS

Rohr #1

Job Ticket: 65698

DST#:1

ATTN: Andrew Stenzel

Test Start: 2017.02.01 @ 16:15:15

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar:

Length:

Length: 3891.00 ft Diameter: 0.00 ft Diameter: 121.00 ft Diameter:

ft

67.00 ft

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

54.58 bbl 0.00 bbl 0.60 bbl 55.18 bbl Tool Weight: 1500.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 84000.00 lb

Tool Chased 0.00 ft String Weight: Initial 58000.00 lb

Final 60000.00 lb

Drill Pipe Above KB:

11.00 ft Depth to Top Packer: 4029.00 ft

Depth to Bottom Packer: Interval between Packers:

Tool Length: Number of Packers: 95.00 ft 2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4002.00		
Shut In Tool	5.00			4007.00		
Hydraulic tool	5.00			4012.00		
Jars	5.00			4017.00		
Safety Joint	3.00			4020.00		
Packer	5.00			4025.00	28.00	Bottom Of Top Packer
Packer	4.00			4029.00	,	
Stubb	1.00			4030.00		
Perforations	4.00			4034.00		
Change Over Sub	1.00			4035.00		
Drill Pipe	31.00			4066.00		
Change Over Sub	1.00			4067.00		
Recorder	0.00	8672	Inside	4067.00		
Recorder	0.00	6749	Outside	4067.00		
Perforations	24.00			4091.00		
Bullnose	5.00			4096.00	67.00	Bottom Packers & Anchor
Total Tool Length	95.00					

Total Tool Length: 95.00



FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane,KS

4924 SE 84th St. Newton KS 67114 Rohr #1 Job Ticket: 65698

Serial #:

ft

ldd

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2017.02.01 @ 16:15:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal Viscosity: 55.00 sec/qt Water Loss: 7.53 in³ Resistivity:

Salinity: Filter Cake:

0.00 ohm.m 4500.00 ppm

1.00 inches

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure: psig Oil API: Water Salinity: 0 deg API 0 ppm

Recovery Information

Recovery Table

Length ft Description Volume bbl 10.00 mud 100%m 0.049

Total Length:

10.00 ft

Total Volume:

0.049 bbl

Num Fluid Samples: 0

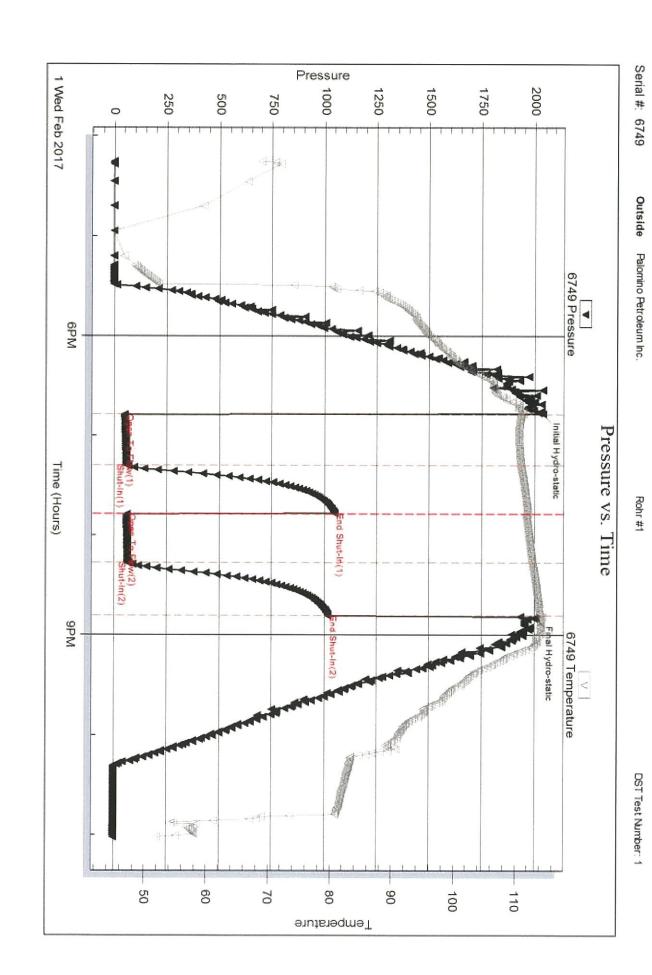
Num Gas Bombs:

Laboratory Location:

Laboratory Name: Recovery Comments:

Trilobite Testing, Inc

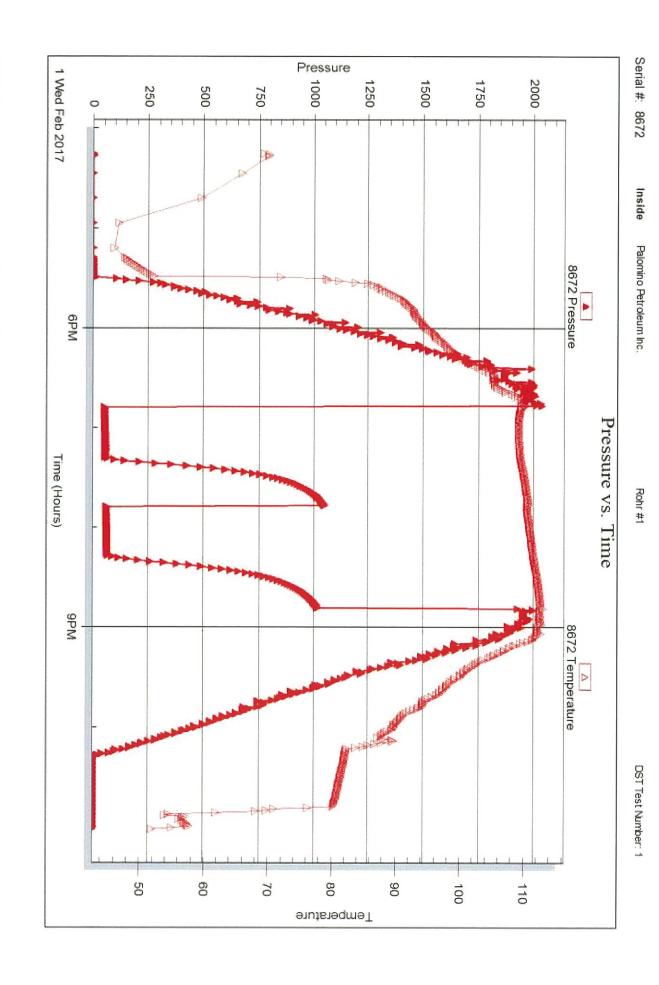
Ref. No: 65698



Trilobite Testing, Inc.

Ref. No:

65698



Triobite Testing, Inc.

Ref. No:

65698

LKC:



DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114

ATTN: Andrew Stenzel

Rohr#1

4-16s-27w Lane,KS

Start Date: 2017.02.02 @ 10:13:15
End Date: 2017.02.02 @ 16:36:15
Job Ticket #: 65699 DST #: 2

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum Inc.

Rohr #1

4924 SE 84th St. Newton KS 67114

Job Ticket: 65699

4-16s-27w Lane, KS

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2017.02.02 @ 10:13:15

GENERAL INFORMATION:

Time Tool Opened: 12:31:00

Time Test Ended: 16:36:15

Formation:

LKC J-K

Deviated:

Interval:

Whipstock: No

ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Reset)

Unit No:

Mike Roberts 81

4097.00 ft (KB) To 4167.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 4167.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Reference Elevations:

2611.00 ft (KB)

KB to GR/CF:

2605.00 ft (CF) 6.00 ft

Serial #: 6749

Press@RunDepth:

Outside

56.39 psig @ 2017.02.02

4138.00 ft (KB)

Capacity: 2017.02.02

8000.00 psig

Start Date: Start Time:

10:13:15

End Date: End Time:

16:36:15

Last Calib.: Time On Btm:

2017.02.02 2017.02.02 @ 12:30:45

Time Off Btm:

2017.02.02 @ 14:31:30

TEST COMMENT: IF:Built to 3/4" died to 1/2" blow

IS:No return blow FF:No blow FS:No return blow

PRESSURE SUMMARY					
Time	Pressure	Temp	Annotation		
(Min.)	(psig)	(deg F)			
0	2066.75	108.08	Initial Hydro-static		
1	37.20	107.46	Open To Flow (1)		
31	48.86	109.34	Shut-In(1)		
61	504.91	110.69	End Shut-In(1)		
61	51.74	110.54	Open To Flow (2)		
90	56.39	111.99	Shut-In(2)		
120	484.95	113.21	End Shut-In(2)		
121	2051.35	113.45	Final Hydro-static		
			: 		

Recovery

Length (ft)	Description	Valume (bbl)	
10.00	mud with oil spots	0.05	
Recovery from r	nultiple tests		

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 65699



Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114

Job Ticket: 65699

Rohr #1

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2017.02.02 @ 10:13:15

GENERAL INFORMATION:

Formation:

LKC J-K

Deviated:

Interval:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

81

4097.00 ft (KB) To 4167.00 ft (KB) (TVD)

Reference Elevations:

2611.00 ft (KB)

Total Depth:

Time Tool Opened: 12:31:00

Time Test Ended: 16:36:15

4167.00 ft (KB) (TVD)

2605.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

6.00 ft

Serial #: 8672 Press@RunDepth:

Inside

psig @

4138.00 ft (KB)

Capacity: 2017.02.02 Last Calib.: 8000.00 psig

Start Date:

2017.02.02

End Date:

16:36:00

Time On Btm:

2017.02.02

Start Time:

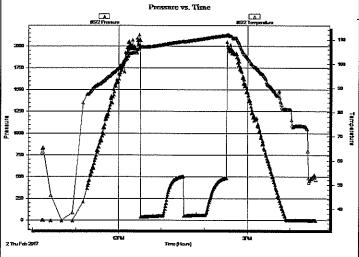
10:13:15

End Time:

Time Off Btm:

TEST COMMENT: IF:Built to 3/4" died to 1/2" blow

IS:No return blow FF:No blow FS:No return blow



	PRESSURE SUMMARY								
T	Time	Pressure	Temp	Annotation					
l	(Min.)	(psig)	(deg F)						
1									
1									
ı									
ı									
ı									
ı									
ı									
ı									
ı									
1									
1									

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil spots	0.05
* Recovery from r	nultiple tests	, , , , , , , , , , , , , , , , , , , ,

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 65699



TOOL DIAGRAM

Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114 4-16s-27w Lane, KS

Rohr #1

Job Ticket: 65699

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2017.02.02 @ 10:13:15

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar:

Length:

Length: 3963.00 ft Diameter: 0.00 ft Diameter: 121.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

55.59 bbl 0.00 bbl 0.60 bbl 56.19 bbl Tool Weight: Weight set on Packer: 20000.00 lb Weight to Pull Loose: 70000.00 lb

1500.00 lb

Tool Chased String Weight: Initial 58000.00 lb

0.00 ft

Final 58000.00 lb

Drill Pipe Above KB:

15.00 ft Depth to Top Packer: 4097.00 ft ft

Depth to Bottom Packer: Interval between Packers:

70.00 ft Tool Length: 98.00 ft Number of Packers:

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00		_	4070.00		
Shut In Tool	5.00			4075.00		
Hydraulic tool	5.00			4080.00		
Jars	5.00			4085.00		
Safety Joint	3.00			4088.00		
Packer	5.00			4093.00	28.00	Bottom Of Top Packer
Packer	4.00			4097.00		
Stubb	1.00			4098.00		
Perforations	7.00			4105.00		
Change Over Sub	1.00			4106.00		
Drill Pipe	31.00			4137.00		
Change Over Sub	1.00			4138.00		
Recorder	0.00	8672	Inside	4138.00		
Recorder	0.00	6749	Outside	4138.00		
Perforations	24.00			4162.00		
Bullnose	5.00			4167.00	70.00	Bottom Packers & Anchor
Total Tool Length	. 98 00					

Total Tool Length: 98.00



FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114

Job Ticket: 65699

Rohr #1

ft

ldd

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2017.02.02 @ 10:13:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Viscosity:

55.00 sec/qt Water Loss: 7.54 in³ Resistivity: 0.00 ohm.m

Salinity: Filter Cake: 4500.00 ppm 1.00 inches

9.00 lb/gal

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

0 deg API 0 ppm

Water Salinity:

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil spots	0.049

Total Length:

10.00 ft

Total Volume:

0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

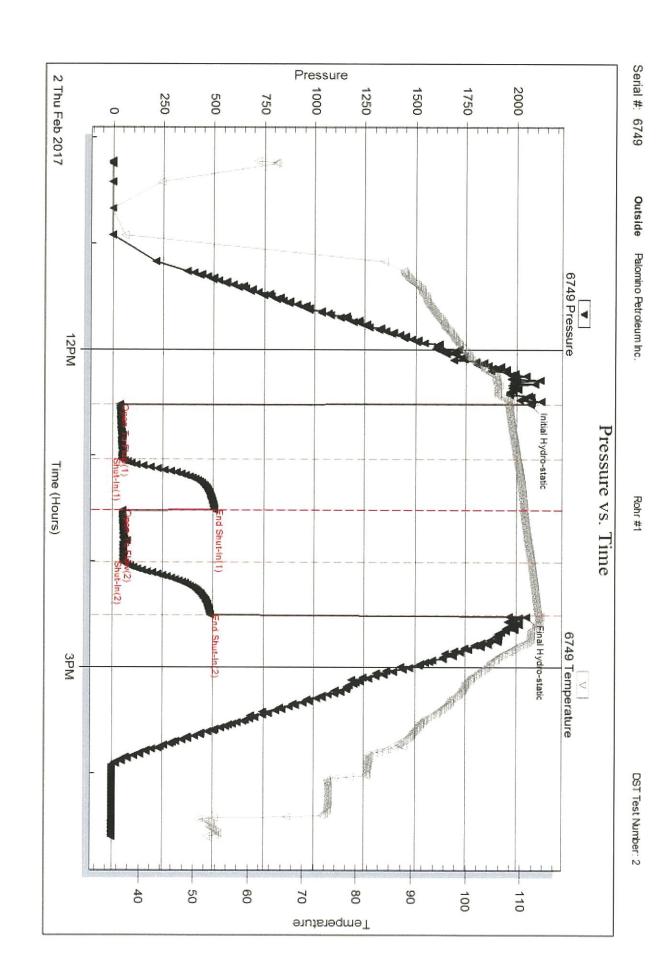
Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

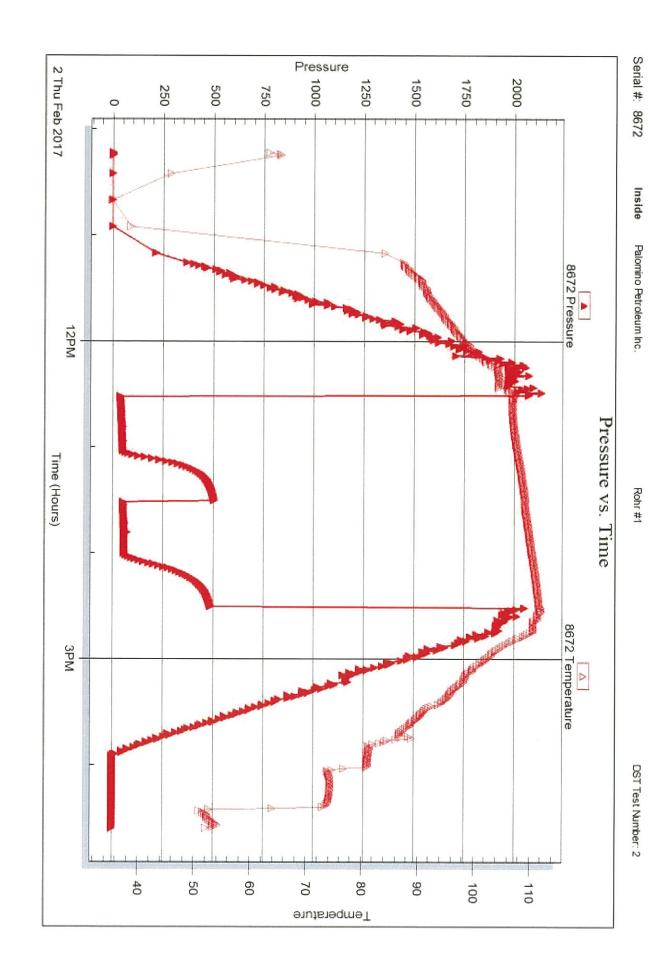
Ref. No: 65699



Tribbite Testing, Inc.

Ref. No:

65699



Triobite Testing, Inc.

Ref. No: 65699



Prepared For: Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114

ATTN: Andrew Stenzel

Rohr#1

4-16s-27w Lane,KS

 Start Date:
 2017.02.03 @ 11:50:15

 End Date:
 2017.02.03 @ 18:00:15

 Job Ticket #:
 65700
 DST #: 3

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



Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114

ATTN: Andrew Stenzel

4-16s-27w Lane, KS

Rohr #1

Job Ticket: 65700

DST#: 3

Test Start: 2017.02.03 @ 11:50:15

GENERAL INFORMATION:

Formation:

Marmaton

Deviated:

interval:

No Whipstock: ft (KB)

Time Tool Opened: 13:41:15

Time Test Ended: 18:00:15

4165.00 ft (KB) To 4323.00 ft (KB) (TVD)

Total Depth:

4323.00 ft (KB) (TVD)

Hote Diameter:

Start Date:

Start Time:

7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Unit No: Mike Roberts

81

Reference Elevations:

2611.00 ft (KB)

2605.00 ft (CF)

KB to GR/CF:

6.00 ft

Serial #: 6749

Press@RunDepth:

Outside

115.23 psig @ 2017.02.03 11:50:15

4298.00 ft (KB) End Date:

End Time:

2017.02.03

18:00:15

Capacity:

8000.00 psig

Last Calib.: Time On Btm:

2017.02.03 @ 13:40:45

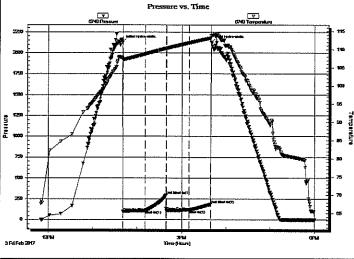
2017.02.03

Time Off Btm:

2017.02.03 @ 15:39:45

TEST COMMENT: IF:Built to 1" blow

IS:No return blow FF:Built to 1/8" blow FS:No return blow



	PRESSURE SUIVINIARY						
Ī	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	2126.68	107.63	Initial Hydro-static			
	1	96.86	107.10	Open To Flow (1)			
	31	109.09	108.73	Shut-In(1)			
	59	296.01	110.30	End Shut-In(1)			
	60	106.02	110.28	Open To Flow (2)			
	90	115.23	111.78	Shut-ln(2)			
3	119	184.64	113.11	End Shut-In(2)			
	119	2127.02	113.73	Final Hydro-static			

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbi)
62.00	mud w ith oil spots in the tool	0.30
* Recovery from n	nultiple tests	

Gas Rates

Choke (inches) | Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 65700



Palomino Petroleum Inc.

4924 SE 84th St. New ton KS 67114

ATTN: Andrew Stenzel

4-16s-27w Lane,KS

Rohr #1

Job Ticket: 65700

DST#: 3

Test Start: 2017.02.03 @ 11:50:15

GENERAL INFORMATION:

Time Tool Opened: 13:41:15

Time Test Ended: 18:00:15

Formation:

Marmaton

Deviated:

Interval:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Elevations:

2611.00 ft (KB)

2605.00 ft (CF)

Total Depth: Hole Diameter: 4165.00 ft (KB) To 4323.00 ft (KB) (TVD)

4323.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

6.00 ft

Serial #: 8672

Press@RunDepth:

psig @ 2017.02.03

Inside

4298.00 ft (KB) End Date:

2017.02.03

Capacity: Last Calib.: 8000.00 psig

Time On Btm:

Start Date: Start Time:

11:50:15

End Time:

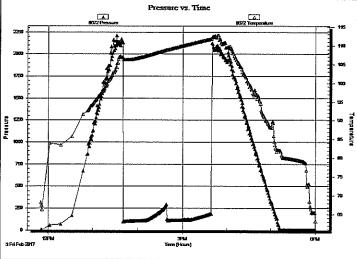
18:00:15

Time Off Btm:

2017.02.03

TEST COMMENT: IF:Built to 1" blow

IS:No return blow FF:Built to 1/8" blow FS:No return blow



	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
	, ,	, ,		
*				
•				
İ				

PRESSURE SUMMARY

Recovery

Description	Volume (bbl)
mud with oil spots in the tool	0.30
	<u> </u>

Gas	Rates
-----	-------

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc.

Ref. No: 65700



Total Volume:

TOOL DIAGRAM

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114

Rohr #1 Job Ticket: 65700

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2017.02.03 @ 11:50:15

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar:

Length: 4048.00 ft Diameter: 0.00 ft Diameter: Length: 121.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

56.78 bbl 0.00 bbl 0.60 bbl

57.38 bbl

Tool Weight: 1500.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 70000.00 lb

Drill Pipe Above KB: 32.00 ft Depth to Top Packer: 4165.00 ft

Depth to Bottom Packer: ft Interval between Packers: 158.00 ft

Tool Chased 0.00 ft String Weight: Initial 60000.00 lb Final 60000.00 lb

Tool Length: 186.00 ft Number of Packers: 2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4138.00		
Shut in Tool	5.00			4143.00		
Hydraulic tool	5.00			4148.00		
Jars	5.00			4153.00		
Safety Joint	3.00			4156.00		
Packer	5.00			4161.00	28.00	Bottom Of Top Packer
Packer	4.00			4165.00		
Stubb	1.00			4166.00		
Perforations	5.00			4171.00		
Change Over Sub	1.00			4172.00		
Drill Pipe	125.00			4297.00		
Change Over Sub	1.00			4298.00		
Recorder	0.00	8672	Inside	4298.00		
Recorder	0.00	6749	Outside	4298.00		
Perforations	20.00			4318.00		
Bullnose	5.00			4323.00	158.00	Bottom Packers & Anchor
Total Tool Length	: 186.00					

Trilobite Testing, Inc. Ref. No: 65700 Printed: 2017.02.06 @ 09:23:11



FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114

Job Ticket: 65700

Rohr #1

ft

ldd

psig

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2017.02.03 @ 11:50:15

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Viscosity: Water Loss: 50.00 sec/qt 7.76 in³ 0.00 ohm.m

Resistivity: Salinity: Filter Cake:

Mud Weight:

5000.00 ppm 1.00 inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API: Water Salinity: 0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mud with oil spots in the tool	0.305

Total Length:

62.00 ft

Total Volume:

0.305 bbl

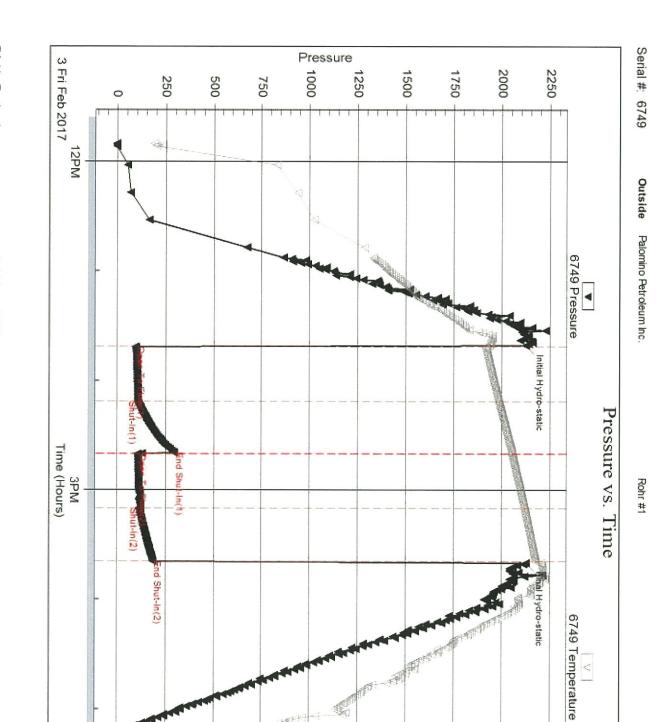
Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location: Serial #:

Laboratory Name:

Recovery Comments:

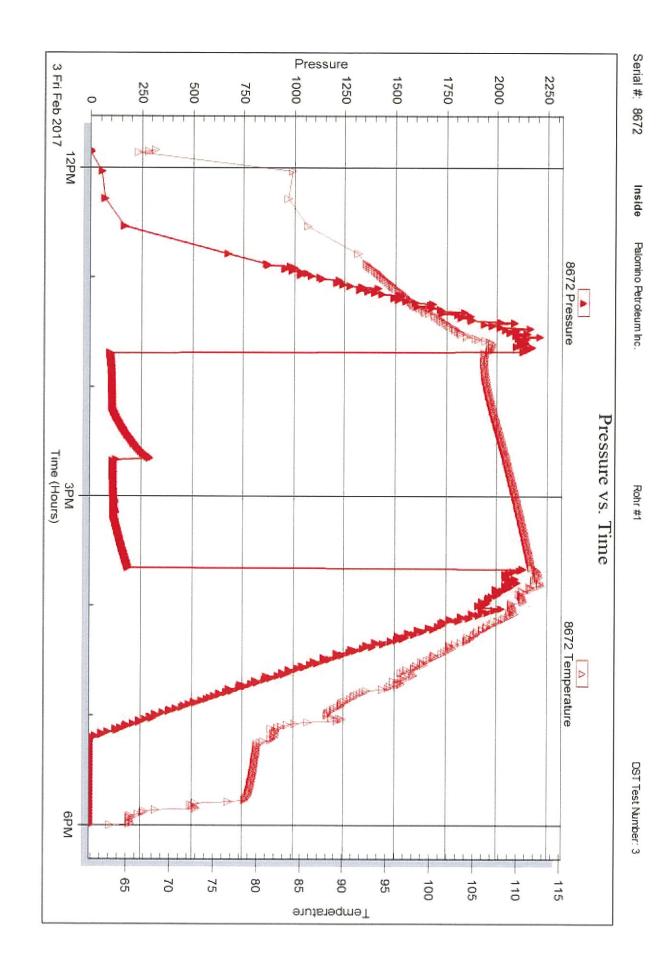
Trilobite Testing, Inc Ref. No: 65700 Printed: 2017.02.06 @ 09:23:11



DST Test Number: 3

6PM

Temperature



Trilobite Testing, Inc.

Ref. No: 65700



Prepared For: Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114

ATTN: Andrew Stenzel

Rohr#1

4-16s-27w Lane,KS

Start Date: 2017.02.04 @ 08:48:15
End Date: 2017.02.04 @ 14:04:00

Job Ticket #: 61326 DST #: 4

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



Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114

Job Ticket: 61326

Rohr #1

DST#:4

ATTN: Andrew Stenzel

Test Start: 2017.02.04 @ 08:48:15

GENERAL INFORMATION:

Time Tool Opened: 10:47:15

Time Test Ended: 14:04:00

Formation:

Ft. Scott

Deviated:

Interval:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

81

Reference Elevations:

2611.00 ft (KB)

2605.00 ft (CF)

Hole Diameter:

4315.00 ft (KB) To 4418.00 ft (KB) (TVD)

4418.00 ft (KB) (TVD)

Total Depth:

7.88 inches Hole Condition: Fair

KB to GR/CF:

6.00 ft

Serial #: 8672

Press@RunDepth:

62.77 psig @

4386.00 ft (KB) End Date:

2017.02.04

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2017.02.04 08:48:15

Inside

End Time:

14:04:00

Time On Btm:

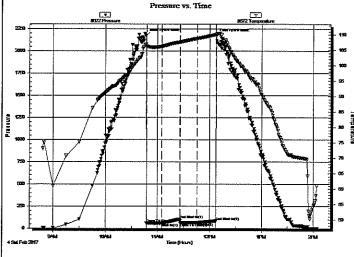
2017.02.04 2017.02.04 @ 10:47:00

Time Off Btm:

2017.02.04 @ 12:07:45

TEST COMMENT: IF:Built to 1/2 " blow

IS:No return blow FF:No blow FS:No return blow



	PRESSURE SUMMARY					
	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	2175.89	106.88	Initial Hydro-static		
	1	56.43	106.10	Open To Flow (1)		
	18	57.97	106,18	Shut-In(1)		
	39	103.78	107.60	End Shut-In(1)		
7	39	59.75	107.62	Open To Flow (2)		
nen en	59	62.77	108.78	Shut-In(2)		
	80	82.35	110.07	End Shut-In(2)		
	81	2171.23	110.14	Final Hydro-static		

Recovery Length (ft) Description Volume (bbl) 5.00 mud with oil spots 100%m 0.02 Recovery from multiple tests

Gas Rates				
	Choke (inches)	" ",	Gas Rate (Mcf/d)	

Trilobite Testing, Inc.

Ref. No: 61326



Palomino Petroleum Inc.

4-16s-27w Lane, KS Rohr #1

4924 SE 84th St. Newton KS 67114

Job Ticket: 61326

DST#:4

ATTN: Andrew Stenzel

Test Start: 2017.02.04 @ 08:48:15

GENERAL INFORMATION:

Time Tool Opened: 10:47:15

Time Test Ended: 14:04:00

Formation:

Ft. Scott

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Elevations:

2611.00 ft (KB)

2605.00 ft (CF)

Interval: Total Depth: 4315.00 ft (KB) To 4418.00 ft (KB) (TVD)

4418.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

6.00 ft

Serial #: 6749 Press@RunDepth: Outside

psig @

4386.00 ft (KB)

2017.02.04

Capacity: Last Calib.: 8000.00 psig

Start Date:

2017.02.04

End Date:

Time On Btm:

2017.02.04

Start Time:

08:48:15

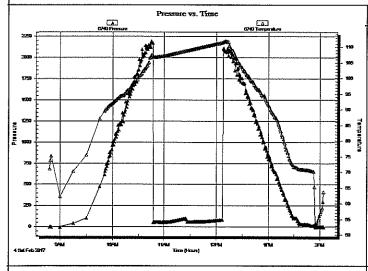
End Time:

14:04:00

Time Off Btm:

TEST COMMENT: IF:Built to 1/2 " blow

IS:No return blow FF:No blow FS:No return blow



-	PRESSURE SUMMARY						
1	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
I	·						
I							
I							
I							
I							
I							
l							
I							
ı		1					
١							
١							
١							

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots 100%m	0.02
* Recovery from r	nultiple tests	

Gas Rates

Gas Rate (Mcf/d) Choke (inches) Pressure (psig)

Trilobite Testing, Inc

Ref. No: 61326



TOOL DIAGRAM

Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114 4-16s-27w Lane, KS

Rohr #1

Job Ticket: 61326

DST#:4

ATTN: Andrew Stenzel

Test Start: 2017.02.04 @ 08:48:15

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar:

Length:

Length: 4173.00 ft Diameter: 0.00 ft Diameter: 121.00 ft Diameter: 7.00 ft

ft

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: 58.54 bbl 0.00 bbl 0.60 bbl Tool Weight: 1500.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 70000.00 lb Tool Chased 0.00 ft

Total Volume: 59.14 bbl

String Weight: Initial 60000.00 lb

Final 60000.00 lb

Drill Pipe Above KB:

Depth to Top Packer: 4315.00 ft Depth to Bottom Packer:

Interval between Packers: 103.00 ft

Tool Length: 131.00 ft

Number of Packers:

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4288.00		
Shut In Tool	5.00			4293.00		
Hydraulic tool	5.00			4298.00		
Jars	5.00			4303.00		
Safety Joint	3.00			4306.00		
Packer	5.00			4311.00	28.00	Bottom Of Top Packer
Packer	4.00			4315.00		
Stubb	1.00			4316.00		
Perforations	5.00			4321.00		
Change Over Sub	1.00			4322.00		
Drill Pipe	63.00			4385.00		
Change Over Sub	1.00			4386.00		
Recorder	0.00	8672	Inside	4386.00		
Recorder	0.00	6749	Outside	4386.00		
Perforations	27.00			4413.00		
Bullnose	5.00			4418.00	103.00	Bottom Packers & Anchor
Total Tool Longth	424.00					

Total Tool Length: 131.00



FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114 Rohr #1 Job Ticket: 61326

DST#:4

ATTN: Andrew Stenzel

Test Start: 2017.02.04 @ 08:48:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: Viscosity:

9.00 lb/gal 67.00 sec/qt

7.16 in³

Water Loss: Resistivity:

0.00 ohm.m Salinity: 5200.00 ppm Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

0 deg API 0 ppm

Water Salinity:

psig

ft

bbl

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud with oil spots 100%m	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

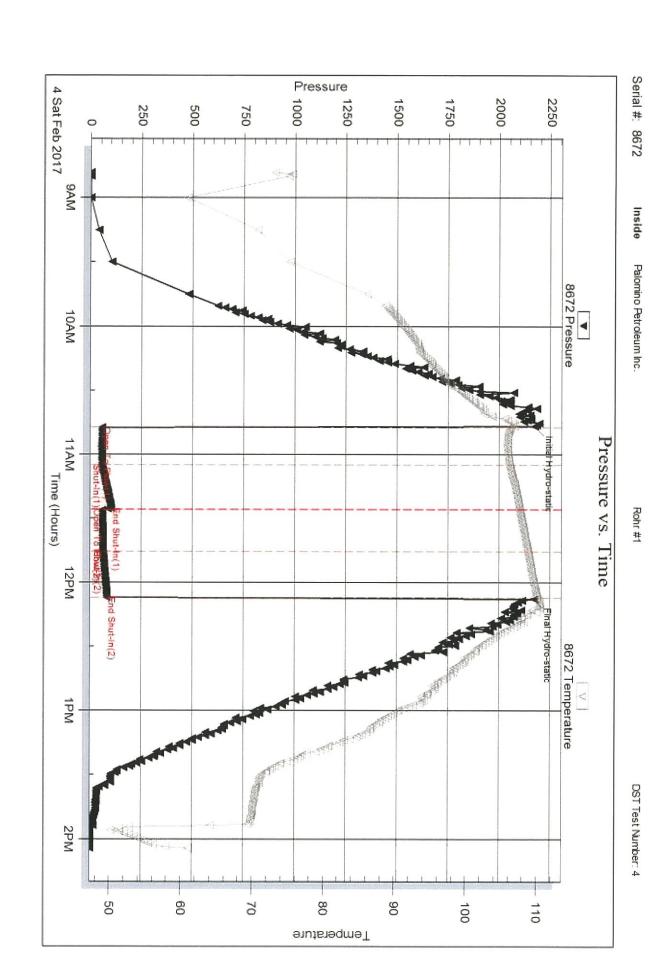
Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location:

Laboratory Name:

Recovery Comments:

Serial#:



Triobite Testing, Inc.

Ref. No:

61326

Serial #: 6749

Outside Palomino Petroleum Inc.

Rohr #1

DST Test Number: 4

6749 Temperature

12PM

1PM

2PM

50

55

60

65

70

75

80

85

Temperature

90

95

100

105



Prepared For: Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114

ATTN: Andrew Stenzel

Rohr#1

4-16s-27w Lane,KS

Start Date: 2017.02.05 @ 17:52:15

End Date: 2017.02.06 @ 00:45:15

Job Ticket #: 61327 DST #: 5

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



Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114

ATTN: Andrew Stenzel

4-16s-27w Lane, KS

Rohr #1

Job Ticket: 61327

DST#: 5

Test Start: 2017.02.05 @ 17:52:15

GENERAL INFORMATION:

Time Tool Opened: 20:07:00

Time Test Ended: 00:45:15

Formation:

Cherokee

Deviated:

Interval:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

2611.00 ft (KB)

Reference Elevations:

2605.00 ft (CF)

KB to GR/CF:

6.00 ft

Hole Diameter:

4394.00 ft (KB) To 4490.00 ft (KB) (TVD)

Total Depth:

Serial #: 6749

Press@RunDepth:

4490.00 ft (KB) (TVD)

65.51 psig @

17:52:15

7.88 inchesHole Condition: Fair

Capacity:

8000.00 psig

Start Date: Start Time: 2017.02.05

Outside

4461.00 ft (KB) End Date: End Time:

2017.02.06 00:45:15 Last Calib.: Time On Btm:

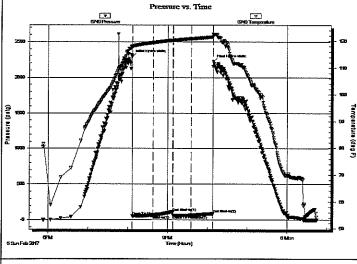
2017.02.06 2017.02.05 @ 20:06:45

Time Off Btm:

2017.02.05 @ 22:08:45

TEST COMMENT: IF:Built to 1/4" blow

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY					
•	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2286.82	118.12	Initial Hydro-static	
	1	56.52	117.56	Open To Flow (1)	
	32	60.76	119.39	Shut-In(1)	
,	61	108.93	120.23	End Shut-In(1)	
	62	63.49	120.23	Open To Flow (2)	
	89	65.51	120.87	Shut-In(2)	
	121	87.30	121.55	End Shut-In(2)	
3	122	2220.74	122.55	Final Hydro-static	
			l		

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots in tool	0.02
Recovery from n	nultiple tests	

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 61327



Palomino Petroleum Inc.

Rohr #1

4924 SE 84th St. Newton KS 67114

Job Ticket: 61327

4-16s-27w Lane, KS

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.02.05 @ 17:52:15

GENERAL INFORMATION:

Time Tool Opened: 20:07:00

Time Test Ended: 00:45:15

Formation:

Cherokee

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Elevations:

2611.00 ft (KB)

2605.00 ft (CF)

KB to GR/CF:

interval: Total Depth: 4394.00 ft (KB) To 4490.00 ft (KB) (TVD)

4490.00 ft (KB) (TVD)

Inside

Hole Diameter:

7.88 inches Hole Condition: Fair

6.00 ft

Serial #: 8672

Press@RunDepth:

psig @

4461.00 ft (KB)

2017.02.06

Capacity: Last Calib .: 8000.00 psig

Start Date:

2017.02.05

End Date:

00:45:00

Time On Btm:

2017.02.06

Start Time:

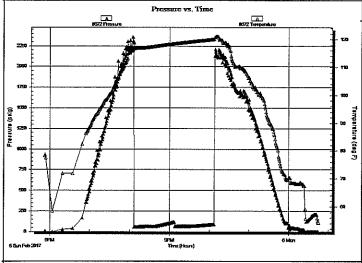
17:52:15

End Time:

Time Off Btm:

TEST COMMENT: IF:Built to 1/4" blow

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY						
Time	Pressure	,	Annotation			
(Min.)	(psig)	(deg F)				

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots in tool	0.02
:		
* Recovery from r	nultiple tests	***************************************

Gas	Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 61327



Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114

Job Ticket: 61327

Rohr #1

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.02.05 @ 17:52:15

GENERAL INFORMATION:

Time Tool Opened: 20:07:00

Time Test Ended: 00:45:15

Formation:

Cherokee

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

81

Reference Elevations:

2611.00 ft (KB)

2605.00 ft (CF)

Interval:

4394.00 ft (KB) To 4490.00 ft (KB) (TVD)

4490.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

6.00 ft

Serial #: 8647

Below (Straddle)

Press@RunDepth:

psig @ 2017.02.05

4620.00 ft (KB) End Date:

2017.02.06

Capacity: Last Calib.: 8000.00 psig

Start Date:

End Time:

00:44:45

Time On Btm:

2017.02.06

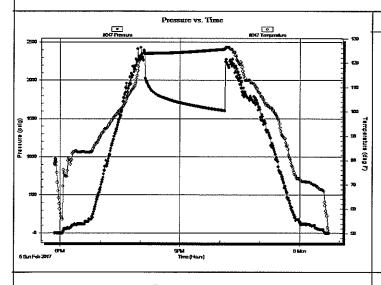
Start Time:

17:52:01

Time Off Btm:

TEST COMMENT: IF:Built to 1/4" blow

IS:No return blow FF:No blow FS:No return blow



Time Annotation Pressure Temp (Min.) (psig) (deg F)

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots in tool	0.02
•••		
<u></u>		

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 61327



TOOL DIAGRAM

Palomino Petroleum Inc.

4924 SE 84th St. Newton KS 67114 4-16s-27w Lane, KS

Rohr #1

Job Ticket: 61327

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.02.05 @ 17:52:15

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Pipe Above KB:

Drill Collar:

Length:

Length: 4259.00 ft Diameter: 0.00 ft Diameter: 121.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

59.74 bbl 0.00 bbl 0.60 bbl

Tool Weight: 1500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 80000.00 lb

Total Volume: 60.34 bbl Tool Chased

Depth to Top Packer: Depth to Bottom Packer: 4394.00 ft ft

String Weight: Initial 62000.00 lb Final 62000.00 lb

Interval between Packers: 232.00 ft Tool Length:

14.00 ft

260.00 ft

2 Diameter:

6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00	····		4367.00		
Shut In Tool	5.00			4372.00		
Hydraulic tool	5.00			4377.00		
Jars	5.00			4382.00		
Safety Joint	3.00			4385.00		
Packer	5.00			4390.00	28.00	Bottom Of Top Packer
Packer	4.00			4394.00		
Stubb	1.00			4395.00		
Perforations	2.00			4397.00		
Change Over Sub	1.00			4398.00		
Drill Pipe	62.00			4460.00		
Change Over Sub	1.00			4461.00		
Recorder	0.00	8672	Inside	4461.00		
Recorder	0.00	6749	Outside	4461.00		
Perforations	25.00			4486.00		
Blank Off Sub	1.00			4487.00	232.00	Tool Interval
Packer	3.00			4490.00		
Stubb	1.00			4491.00		
Perforations	3.00			4494.00		
Change Over Sub	1.00			4495.00		
Drill Pipe	125.00			4620.00		
Recorder	0.00	8647	Below	4620.00		
Change Over Sub	1.00			4621.00		
Bullnose	5.00			4626.00	1000259.00	Bottom Packers & Anchor
Total Tool Length:	260.00					

Trilobite Testing, Inc

Ref. No: 61327



FLUID SUMMARY

Palomino Petroleum Inc.

4-16s-27w Lane, KS

4924 SE 84th St. Newton KS 67114 Rohr #1

Job Ticket: 61327

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2017.02.05 @ 17:52:15

Oil API:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal

Viscosity: 50.00 sec/qt Water Loss: 7.98 in³

Resistivity: Salinity:

0.00 ohm.m 3600.00 ppm

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type: Gas Cushion Pressure:

psig

ft

bbl

Water Salinity:

0 deg API 0 ppm

Filter Cake:

1.00 inches

Recovery Information

Recovery Table

Length ft Description Volume bbl 5.00 mud with oil spots in tool 0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0 Laboratory Location:

Serial #:

Laboratory Name:

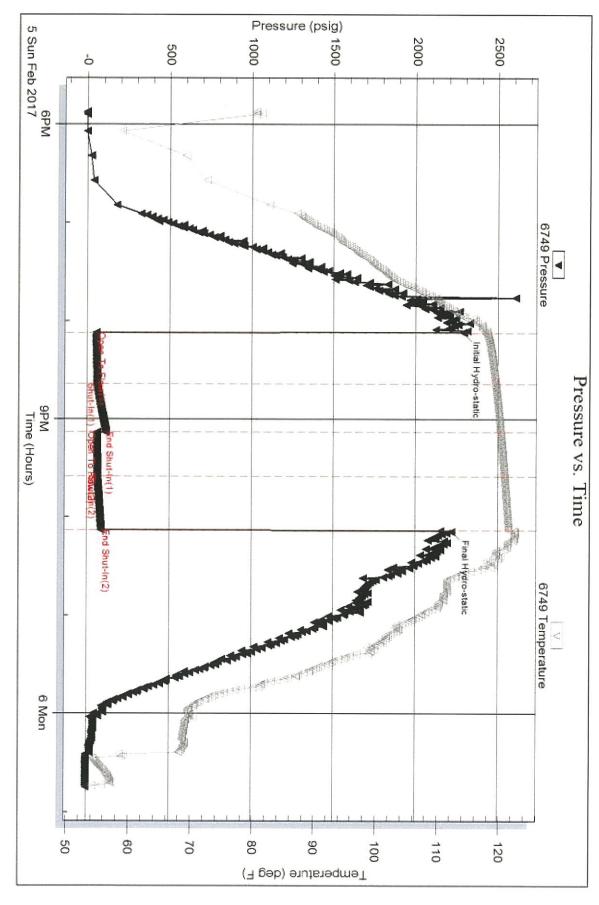
Recovery Comments:

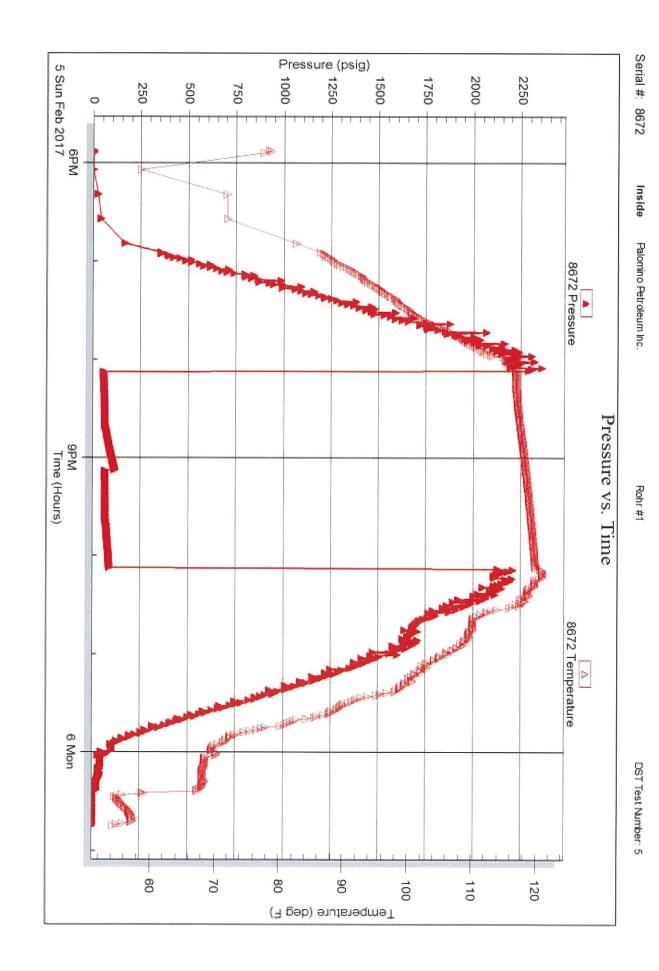
Trilobite Testing, Inc

Ref. No: 61327

Printed: 2017.02.06 @ 09:14:50

Serial #: 6749





Triobite Testing, Inc.

Ref. No: 61327





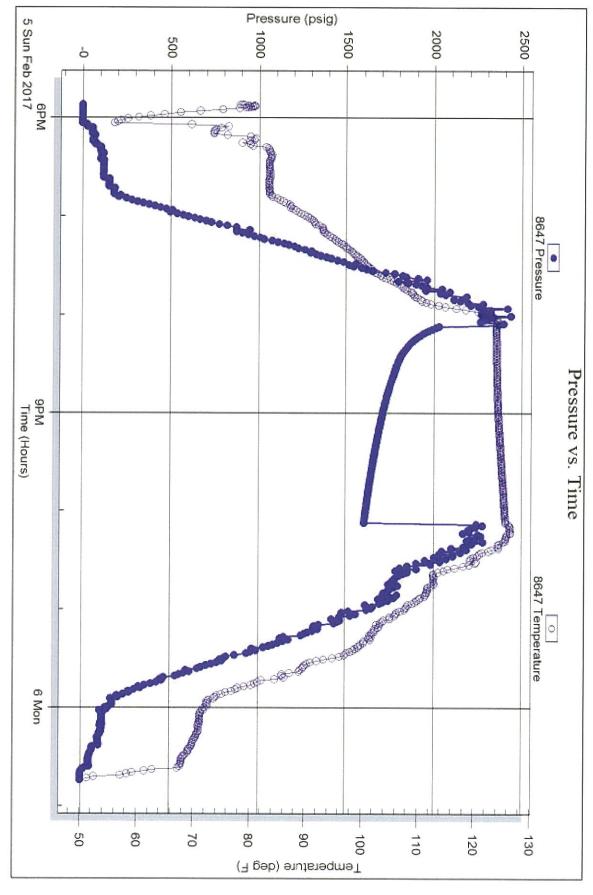
Printed: 2017.02.06 @ 09:14:50

Rohr #1

Serial #: 8647

Below (Strabitish)no Petroleum Inc.

DST Test Number: 5





1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO.

Test No. Elevation KS 67/14 Rig M One Tested 14 - T Pipe Run 389/ Collars Run 121 Pipe Run \$\pm\$ Orides \$\frac{4500}{500}	n 2611 1W12 Le	KB 260: State 1 Mud Wt. 9,1 Vis 55 WL 7.4	5 GL
Elevation KS 67/19 Rig M One Tested M Pipe Run M	n 2611 1W12 Le	KB 260: State 1 Mud Wt. 9,1 Vis 55 WL 7.4	5 GL
KS $67/14$ Rig Λ Pipe Run $389/$ Collars Run 121 Pipe Run 4500)W12	State <u>f</u> Mud Wt. <u>9, /</u> Vis <u>55</u> WL <u>7. 4</u>	
Rig M O		Mud Wt. 9,/ Vis 55 WL 7.4	<i>S</i>
0.000 Co. 0.000 Pipe Run 0.000		Mud Wt. 9,/ Vis 55 WL 7.4	<u>(S</u>
Pipe Run <u>389/</u> Collars Run <u>171</u> Pipe Run ⊭		Mud Wt. 9,/ Vis 55 WL 7.4	
Collars Run <u>121</u> Pipe Run		Vis <u>55</u> wl <u>7.4</u>	
Pipe Run 🔌 prides <u>4500</u>		Vis <u>55</u> wl <u>7.4</u>	
orides <u>4500</u>			
orides <u>4500</u>			
٥ <i>ن</i>		LCM of	

%gas	%oil	%water	100 %muc
%gas	%oil	%water	%muc
%gas	%oil	%water	%muc
%gas	%oil	%water	%mud
%gas	%oil	%water	%mud
APIRW		Chlorides —	
	CO/- T-Starte	a 16:15	
L.4	T-Open_	18:4	<u>(</u>
Sub	C T-Pulled	20:44	<u> </u>
ly Standby			
age 100125 # 75,00	Comme	nts	*
		-10, 10	
	<u></u>		
	/ IVIT/DS	I DISCIL	
		Bokets	
	%gas %gas %gas %gas %gas %gas %gas %gas	%gas %oil %gas	%gas %oil %water F Chlorides — F Chlorides F T-On Location /4':/5 Atty Joint # 75,00/- T-Open /8'./5 Sty Joint # 75,00/- T-Open /8'./5 F Pulled 20':/4' Y./5 Ary Standby Comments Comments B Ruined Shale Packer B Ruined Shale Packer B Racorder Sub Total 0 Standby Total 1550 MP/DST Disc't MP/DST Disc't



Approved By_

Test Ticket

NO.

Address	4/10	ay • mays, Nansas 676	U1		00077	
Company Palamin And Palamin And Address 1924 St St Palamin And Ks 26.05 GL Address 1924 St St Palamin Ks And Rig WW 12	Well Name & No. Rohe #1		Test No. 2		Date 2-2-17	
Address		n Inc	Elevation 261	1	кв 2605	GL
Co. Rep / Geo. Andre w						
Location: Sec. 4 Twp. 16.5 Rge. 27w Co. 64AT State KS Interval Tested 4097 - 4167 Zone Tested J - K Anchor Length 70 Drill Pipe Run 3963 Mud Wt. 9.1 Top Packer Depth 4097 Wt. Pipe Run 121 Vis 55 Bottom Packer Depth 4097 Wt. Pipe Run 121 Vis 55 Bottom Packer Depth 4097 Wt. Pipe Run 121 Vis 55 Bottom Packer Depth 4097 Wt. Pipe Run 121 Vis 55 Bottom Packer Depth 4097 Wt. Pipe Run 121 Wt. 7.4 Total Depth Wh. 16.7 Blow F. Bouth 16.3 Wt. Pipe Run 121 Wt. 7.4 Total Depth Wh. 16.7 Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow F. No. Blow Rec						
Interval Tostod \(\frac{40.97}{9.07} - \frac{41.67}{9.07} \)	l l				State KS	,
Top Packer Depth 409 2	Interval Tested 4097 - 4167	Zone Tested	`-JC			
Top Packer Depth 4 C 9 7 Wt. Pipe Run	Anchor Length 70	Drill Pipe Run	3963	M	lud Wt. 9./	
Bottom Packer Depth 4 097	Top Packer Depth 4092	Drill Collars Run	121			
Total Depth			,		n 7.6	
Blow Description Fr. Bu. H to 34" died to 1/2" Blow Fr. No Blo	Total Depth 4/67	Chloridae 45				Principal de la companya de la comp
Fr. No Return Blow Fr. No Return Blow Fr. No Return Blow Fr. No Return Blow Fs: No Return Blow Fs: No Return Blow Fs: No Return Blow Fs Foots Foot	Blow Description	3/4" died to		,		
FF. No Blow FS: No Blow	Is! No Return	Blow				
Rec			***************************************		M	
Rec	FS: No Return P	3/00	W	Hill for the second sec		
Rec			%gas	%oil	%water /c	つる %muc
Rec		,	%gas	%oil		%mud
Rec			%gas	%oil		%mud
Rec	Rec Feet of		%gas	%oil		%mud
Rec Total			%gas			
(A) Initial Hydrostatic			APIRW — @	***************************************		
(B) First Initial Flow 37 (C) First Final Flow 48 (D) Safety Joint 175,000/ T-Open 12130 (D) Initial Shut-In 504 (E) Second Initial Flow 5/ Comments (E) Second Final Flow 5/ Comments (F) Second Final Flow 5/ Comments (G) Final Shut-In 484 (H) Final Hydrostatic 3051 (E) Straddle Comments (H) Final Hydrostatic 3051 (E) Straddle Comments (E) Straddle Comme	(A) Initial Hydrostatic 2066		\$1150.00/-		_	Ppii
(C) First Final Flow	(B) First Initial Flow 37		\$ 250.00/-			
(D) Initial Shut-In	(C) First Final Flow98	Safety Joint		T-Open	12:30	
Hourly Standby	(D) Initial Shut-In 504			T-Pulled _	<u> 14:30</u>	
(F) Second Final Flow 56 Image 100 RT = \$75,c²/- Comments (G) Final Shut-In 484 Sampler (H) Final Hydrostatic 3051 Ruined Shale Packer Initial Open Shale Packer Ruined Packer Initial Shut-In 30 Extra Packer Extra Copies Final Flow 30 Day Standby Total 1550 Final Shut-In 30 Accessibility MP/DST Disc't	(E) Second Initial Flow			T-Out	16,36	-1
Sampler Sampler Straddle Ruined Shale Packer Shale Packer Ruined Packer Shale Packer Extra Packer Extra Recorder Sub Total O Sub Total O Sub Total Sub Total Shut-In 30 Day Standby Total 1550 Straddle Accessibility MP/DST Disc't				Comments	S	
Straddle	(G) Final Shut-In 484				· · · · · · · · · · · · · · · · · · ·	
Shale Packer	(H) Final Hydrostatic 2051					
Extra Packer						
	Initial Open30					
Final Flow Sub Total Sub Total U Final Shut-In 3 O						
Final Shut-In <u>ろ〇</u> ロ Accessibility MP/DST Disc't	Final Flaur 20					
WIP/DST DISC?						
		Sub Total #/	550.00/_	MP/DSFI	Disc't	



Test Ticket

ESTING INC.	O.M.
1515 Commerce Parkway • Hays, Kansas 67601	NO.

Well Name & No. Rohr#/		Test No. <u></u> 3		Date <u>2-3-1</u>	7
Company Palomino Petrolan	n Inc	Elevation <u>26</u>	-11	кв 2605	GL
Address 4924 SE 894 S	to Newton KS				
Co. Rep/Geo. Andrew Stenze	t	Rig LUW / 2	2_		
Location: Sec. 4 Twp. 165				State KS	
Interval Tested 4/65 - 4323	Zone Tested/_	Mormaton			
Anchor Length <u>158</u>	Drill Pipe Run 🗸	048	М	lud Wt. <u>9,1</u>	
Top Packer Depth 4/60	Drill Collars Run	121	v.	is _ 5 ()	
Bottom Packer Depth 4165	Wt. Pipe Run <u>Ø</u>	***************************************	W	n 7,8	
Total Depth 4323	_'	O ppm S		см_2	
Blow Description IF: Built to	s l'Blow				
Is: Bo Return B	lew				
FFiBuilt to YE	3" Blow				
FS! No Refurn Blo	<u>၈</u> ယ				
Rec 62 Feet of MUd with a	oil spots in	tool %gas	%oil	%water /C	ට %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of	The state of the s	%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total <u>62</u> BHT <u>//3</u>	_ Gravity Al	PIRW@		hlorides	ppm
(A) Initial Hydrostatic2/2(o	Test	# /150.00/-		ition 08:53	PP13
(B) First Initial Flow96	Jars	1250,00/-	T-Started	11:50	
(C) First Final Flow/ 09	Safety Joint	475,00/-	T-Open	13:40	
(D) Initial Shut-In	Circ Sub	NC	T-Pulled _	15:40	
(E) Second Initial Flow	☐ Hourly Standby		T-Out	18:00	
(F) Second Final Flow// 5	Mileage /00/217=		Comments	5	
(G) Final Shut-In <u>/84</u>	☐ Sampler	•	 		
(H) Final Hydrostatic <u>2/27</u>	☐ Straddle				
	☐ Shale Packer			d Shale Packer	
initial Open3 <u>0</u>	Extra Packer			Packer	
nitial Shut-In30	☐ Extra Recorder			Copies	
Final Flow3©	☐ Day Standby			1550	
Final Shut-In 30	Accessibility	WHAT	Total	1550	
		D, CC/-	MP/DST [Disc't	
Approved By	Our D	enresentativo VV	1-1-2.	1.A	



RILOBITE [ESTING INC. 1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 61326

	***************************************				*******
Well Name & No. Rohr #1		Test No		Date 2-4-17	
company Palomino Petroteum		Elevation 261		кв 2605	GL
Address 4924 SE 834 15 5	t. Newton	1CS 67114		_	
Co. Rep/Geo. Andrew Stence		Rig <u>W W 12</u>			
Location: Sec. 4 Twp. 165			*******************************	State K5	
Interval Tested 4315 - 4418	Zone Tested M	larmaton			
Anchor Length 103	Drill Pipe Run	4173		Mud Wt. 9.3	
Top Packer Depth 43/0	Drill Collars Run			vis <u>67</u>	
Bottom Packer Depth <u>4315</u>	Wt. Pipe Run/	<u>Ø</u>		WL 7.2	
Total Depth 4418	Chlorides <u>52</u>	<u>の</u> ppm Sy	/stem	LCM <u>2</u>	
Blow Description IF: Built told	Blow				
Is! No Return			~*:		
FFINO Blow			hart Vandonoonioonio		
FS: NO Roturn B					
Rec 5 Feet of MUD wit	h Oil spots	S %gas	%oil	%water /0つ	%mud
RecFeet of		%gas	%011	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%011	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total BHT // 4	Gravity	API RW@_		Chlorides	ppm
(A) Initial Hydrostatic 2/75	Od Test	#/150,00/-	T-On Lo	cation <u>01:45</u>	
(B) First Initial Flow 56	Jars	250.00/	T-Starte	0 08:48	
(C) First Final Flow5?	Safety Joint	175.00-	T-Open_	10145	1 40040414 11 12 12 12 12 12 12 12 12 12 12 12 12
(D) Initial Shut-In	Circ Sub	NC		12105	
(E) Second Initial Flow59	☐ Hourly Standby _			14:04	
(F) Second Final Flow	Mileage / WET:	N 0/	Comme	nts	
(G) Final Shut-In 8 2	☐ Sampler			With Miles County County and a processing and a second and a processing and a second and a second and a second	
(H) Final Hydrostatic 2171	☐ Straudle				
	☐ Shale Packer			ned Shale Packer	
Initial Open 20	☐ Extra Packer			ned Packer	
Initial Shut-In	☐ Extra Recorder _			a Copies	
Final Flow 20	☐ Day Standby		Total	al 0 1550	
Final Shut-In 20	☐ Accessibility			T Disc't	
	Sub Total #/	1550.°°/-	WII /UO	1 12/30 (
Approved By		Representative	U.S.	Polit	

8647 - Fraddle



Rec Total

Approved By_

(A) Initial Hydrostatic

RILOBITE

BHT 123

2286

Gravity

Test Ticket

F Chlorides

T-On Location 16:30

TESTING INC. 1515 Commerce Parkway • Hays, Kansas 676	501	NO.	vo. 61327		
Well Name & No. Roh-#1	Test No			17	
company talomino tetroleum Inc		011	кв <u>2609</u>	<u></u>	
Address 4924 St. 84th St. Mewton K	5 67114		Philippine and the second seco		
	Rig WW	٣			
Location: Sec. 4 Twp. 165 Rge. 27ω	_co. <u>Lave</u>		State _	<u> </u>	
Interval Tested 4394 - 4490 - 4626 Zone Tested (!harokee				
Anchor Length 96 Drill Pipe Run 4259			Mud Wt. <u>9.3</u>		
	121		Vis 50		
ottom Packer Depth 4394 Wt. Pipe Run Ø		WL <u>8.0</u>			
Total Depth 4626 Chlorides 36	ррп рот	System	LCM 2		
Blow Description IF: Built to 14" Blow					
Is: No Keturn Blow					
FF: No Blow			· ————————————————————————————————————		
FS! No Leturn Blow Rec 5 Feet of MUD with Oil Spots in	L-018/000	n/ = 11		100-	
Rec Feet of		%oil	%water	/00%mud	
RecFeet of	%gas	%oil	%water	%mud	
Rec Feet of	%gas	%oil	%water	%mud	
RecFeet of	%gas	%oil	%water	%mud	
TCCLV)	%gas	%oil	%water	%mud	

(B) First Initial Flow Jars J T-Started / 7 (C) First Final Flow ___ Safety Joint ___ T-Open (D) Initial Shut-In____ Circ Sub T-Out (E) Second Initial Flow Hourly Standby Comments (F) Second Final Flow Mileage 100RT= (G) Final Shut-In ___ ☐ Sampler (H) Final Hydrostatic Straddle ☐ Ruined Shale Packer_____ Shale Packer ☐ Ruined Packer Initial Open Extra Packer ____ ☐ Extra Copies ___ Initial Shut-In Extra Recorder ____ Sub Total Final Flow _____ ☐ Day Standby Total 2150 Final Shut-In Accessibility MP/DST Disc't Sub Total

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