Confidentiality Requested: Yes No

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

1267925

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 Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd.	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 Monogoment Blon
Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huld disposa in nation offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	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 Iwo	1267925
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

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

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

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		Log Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog		Yes No	Nar	ne		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-		lew Used termediate, producti	on, 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 / SC	UEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment o	n this well?		Yes	No (If No, ski	p questions 2 an	d 3)

Did you perform a hydraulic fracturing treatment on this well?
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

 Yes
 No

 Yes
 No

Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

No (If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify For	I RECOF	RD - Bridge F Each Interval	Plugs Set/Typ Perforated	e	Δ		ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	re:	Set At:		Packer	r At:	Liner Ru		No	
Date of First, Resumed	Producti	on, SWD or ENHF	} .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI		۵۵s.			METHOD				PRODUCTION INT	EBVAL:
	_	Jsed on Lease		Open Hole	Perf.	Dually	Comp.	Commingled		
(If vented, Su	bmit ACO	-18.)		Other (Specify))	(Submit /	,	(Submit ACO-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Doc 3
Doc ID	1267925

Tops

Name	Тор	Datum
Anhy.	1830	(+538)
Base Anhy.	1873	(+495)
Heebner	3612	(-1244)
Toronto	3630	(-1262)
Lansing	3651	(-1283)
ВКС	3930	(-1562)
Maramton	3942	(-1574)
Pawnee	4082	(-1714)
Ft. Scott	4145	(-1777)
Miss.	4240	(-1872)
LTD	4300	(-1932)

Global Cementing LLC

1958 E HWY 40 Russell, KS 67665

P.O. No. Project DOC#3 Quantity Description Rate Amount 375 COMMON 15.00 5,625.00 13 CALCIUM 59.00 767.00 7 GEL 23.50 164.50 395 HANDLING 2.10 829.50 BULK MILEAGE 316.00 316.00 1 TRI-PLEX PUMP CHARGE FOR SURFACE 850.00 850.00 10 PUMP TRUCK MILEAGE 8.00 80.00 10 PICKUP 2.00 20.00 1 8 5/8 RUBBER PLUG 165.00 165.00 25% DISCOUNT IF PAID WITHIN 30 DAYS FROM INVOICE TREGO CO 8.00% 0.00 Thank you for your business. Total \$8,817.00 Phone # Fax # E-mail 785-324-2658 785-445-4174 globalcementing@gmail.com

Bill To

PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON, KS 67114

Date Invoice # 9/24/2015 2512

RECEIVED SEP 3 0 2015

Invoice

Due Date 10/24/2015



GLOBAL CEMENTING, L.L.C.

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REMIT TO 180	048 170RD		CED	VICE POINT:		
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You are hereby reque	ested to rent cement	ing equipment and	Consider frequencies and	AND REAL PROPERTY.	@	Constant of the second second
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SALES TAX (If Any)___

DISCOUNT_____

TOTAL CHARGES

PRINTED NAME Children Printed NAME Cologan Store

IF PAID IN 30 DAYS

2512

Global Cementing LLC

1958 E HWY 40 Russell, KS 67665

|--|

OCT 0 5 2015

Invoice

Date	Invoice #
10/1/2015	2541
Due Date	10/31/2015

BIII To PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

				P.O. No.		Project
				DOC#3		
Quantity			Description	Rate	-1	Amount
144	COMMON				15.75	2,268.0
96	POZ				7.50	720.0
8					23.50	188.0
	FLO-SEAL				2.00	120.0
	HANDLING	ł			2.10	520.8
2.70	BULK MIL					
	DULK WILL	LAGE			198.40	198.4
1		PUMP CHARGE FOR P	LUG		900.00	900.0
		CK MILEAGE			8.00	80.0
10	PICKUP				2.00	20.0
1	DRY HOLE	PLUG			62.50	62.5
	DEDUCTO					
	TREGO CO		AID WITHIN 30 DAYS OF INVOICE		8.00%	0.0
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GLOBAL CEMENTING, L.L.C.

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TOTAL

2541

PLUG & FLOAT EQUIPMENT

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TOTAL CHARGES		19.19		
				-
DISCOUNT			IF PAID IN 30 DA	YS

Global Cementing, L.L.C.,

CITY _____ STATE _____

STREET

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.

ZIP

PRINTED NAME SIGNATURE



DRILL STEM TEST REPORT

Prepared For:

Palomino Petro. Inc.

4924 SE 84th St Newton KS 67114

ATTN: Andy White

Doc #3

19-14s-25w Trego,KS

Start Date:	2015.09.28 @	13:55:00	
End Date:	2015.09.28 @	20:09:15	
Job Ticket #:	64854	DST #:	1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620 Palomino Petro. Inc. 19-14s-25w Trego,KS Doc #3 DST # 1 KC"J" 2015.09.28

Printed: 2015.10.01 @ 10:01:24

	DRILL STEM TES		ORT		
	Palomino Petro. Inc.		19-14	s-25w Trego,KS	
ESTING , INC	4924 SE 84th St New ton KS 67114		Doc #	#3 sket: 64854 DST#: 1	
	ATTN: Andy White			tart: 2015.09.28 @ 13:55:00	
GENERAL INFORMATION:	· · · · · · · · · · · · · · · · · · ·				
Formation: KC"J" Deviated: No Whipstock: Time Tool Opened: 16:29:15 Time Test Ended: 20:09:15	ft (KB)		Test Ty Tester: Unit No	: Brett Dickinson	ial)
Interval:3860.00 ft (KB) To388Total Depth:3880.00 ft (KB) (TVHole Diameter:7.88 inches Hole	D)		Refere	ence Elevations: 2364.00 ft (Kl 2357.00 ft (Cl KB to GR/CF: 7.00 ft	
Serial #: 8934 Inside Press@RunDepth: 20.83 psig (content Start Date: 2015.09.28 Start Time: 13:55:05 TEST COMMENT: IF-Surface blow of IS-No blow	End Date: End Time:	2015.09.28 20:09:14	Capacity: Last Calib.: Time On Btm Time Off Btn	Ũ	
FF-No blow FSI-No blow Pressure vs. Th	me	I	DDE	SSURE SUMMARY	
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Recovery				Gas Rates	
Length (ft) Description 5.00 Mud	Volume (bbl) 0.02			Choke (inches) Pressure (psig) Gas Rate (Mcf/d)
					<u></u>

RILOBITE	DRILL STEM TE				
TESTING, INC	Palomino Petro. Inc.		19-14s-25	w Trego,ł	(S
	4924 SE 84th St New ton KS 67114		Doc #3 Job Ticket:	64954	DST#:1
	ATTN: Andy White			2015.09.28 (
GENERAL INFORMATION:					
Formation: KC"J" Deviated: No Whipstock: Time Tool Opened: 16:29:15 Time Test Ended: 20:09:15	ft (KB)		Test Type: Tester: Unit No:	Convention Brett Dickin 81	al Bottom Hole (Initial) son
Interval: 3860.00 ft (KB) To 388 Total Depth: 3880.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Reference I	Elevations: 3 to GR/CF:	2364.00 ft (KB) 2357.00 ft (CF) 7.00 ft
Serial #: 8736OutsidePress@RunDepth:psigStart Date:2015.09.28Start Time:13:55:05	 3877.00 ft (KB) End Date: End Time: 	2015.09.28 20:09:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2015.09.28
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Trilobite Testing, Inc

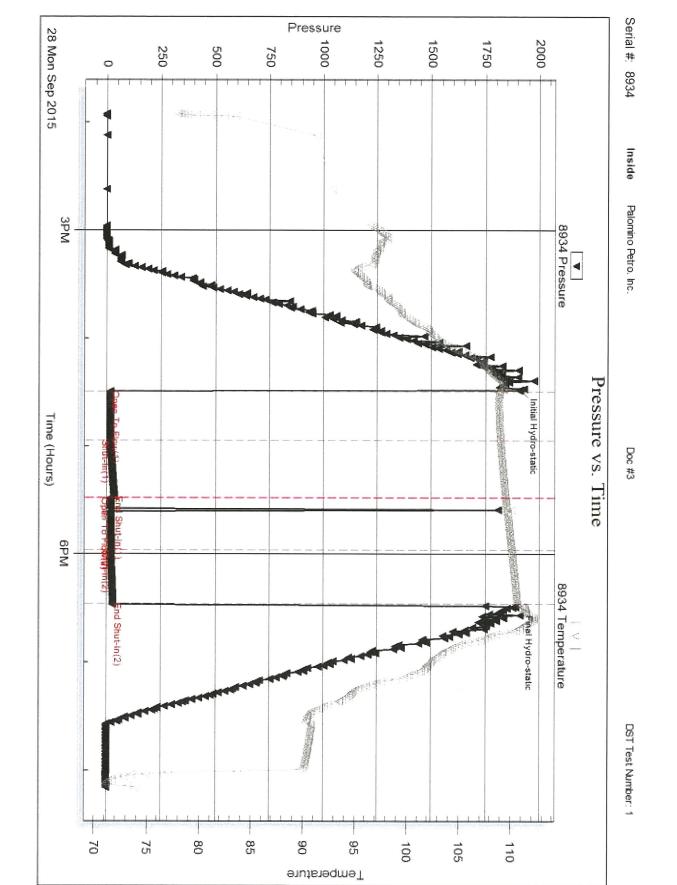
	BITE		o Petro. Inc	.			19	9-14s-25w 1	Γrego,⊭	(S
ES	TING , INC	-52-4 0	E 84th St 1 KS 67114	ļ				oc #3 b Ticket: 648	54	DST#:1
		ATTN:	Andy Whi	te			Τe	est Start: 201	5.09.28 @	@ 13:55:00
Tool Information										
Drill Pipe: Length	: 3724.00 ft	Diameter:	3.80	inches \	Volume:	52.24 bl	ol	Tool Weight:		2500.00 lb
Heavy Wt. Pipe: Length	: ft	Diameter:	2.70	inches \	Volume:	- bi	ol	-		: 25000.00 lb
Drill Collar: Length	: 120.00 ft	Diameter:	2.25	inches \	Volume:	0.59 bl	ol			60000.00 lb
Drill Pipe Above KB:	12.00 ft			Total \	Volume:	- bl	bl	Tool Chased		0.00 ft
Depth to Top Packer:	3860.00 ft							String Weigh	nt: Initial	54000.00 lb
Depth to Bottom Packer:	5000.00 ft								Final	54000.00 lb
Interval between Packers										
Tool Length:	48.00 ft									
Number of Packers:	2	Diameter:	6.75	inches						
Tool Comments:				_						
Tool Description	Le		Serial No	o. Pos	ition	Depth (ft)	Accun	n. Lengths		
Tool Description	Le	5.00	Serial No	o. Pos	ition	3837.00	Accun	n. Lengths		
Tool Description Shut In Tool Hydraulic tool	Le	5.00 5.00	Serial No	o. Pos	ition	3837.00 3842.00	Accun	n. Lengths		
Tool Description Shut In Tool Hydraulic tool Jars	Le	5.00 5.00 5.00	Serial No	o. Pos	ition	3837.00 3842.00 3847.00	Accun	n. Lengths		
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint	Le	5.00 5.00 5.00 3.00	Serial No	o. Pos	ition	3837.00 3842.00 3847.00 3850.00	Accun			Detters Of Tex Deci
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer	Le	5.00 5.00 5.00 3.00 5.00	Serial No	o. Pos	ition	3837.00 3842.00 3847.00 3850.00 3855.00	Accun	n. Lengths 28.00		Bottom Of Top Pack
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Le	5.00 5.00 5.00 3.00 5.00 5.00	Serial No	o. Pos	ition	3837.00 3842.00 3847.00 3850.00 3855.00 3860.00	Accun			Bottom Of Top Pack
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00	Serial No	o. Pos	ition	3837.00 3842.00 3847.00 3850.00 3855.00 3860.00 3861.00	Accun			Bottom Of Top Pack
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Le	5.00 5.00 3.00 5.00 5.00 1.00 16.00				3837.00 3842.00 3847.00 3850.00 3855.00 3860.00 3861.00 3877.00	Accun			Bottom Of Top Pack
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations	Le	5.00 5.00 3.00 5.00 5.00 1.00 16.00 0.00	8934		Inside	3837.00 3842.00 3847.00 3850.00 3855.00 3860.00 3861.00 3877.00 3877.00	Accun			Bottom Of Top Pack
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder	Le	5.00 5.00 3.00 5.00 5.00 1.00 16.00 0.00 0.00				3837.00 3842.00 3847.00 3850.00 3855.00 3860.00 3861.00 3877.00 3877.00 3877.00	Accun	28.00	B0	
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Bulinose		5.00 5.00 3.00 5.00 5.00 1.00 16.00 0.00 0.00 3.00	8934		Inside	3837.00 3842.00 3847.00 3850.00 3855.00 3860.00 3861.00 3877.00 3877.00	Accun		Во	Bottom Of Top Pack
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Bulinose	Le	5.00 5.00 3.00 5.00 5.00 1.00 16.00 0.00 0.00	8934		Inside	3837.00 3842.00 3847.00 3850.00 3855.00 3860.00 3861.00 3877.00 3877.00 3877.00	Accun	28.00	Во	
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Bulinose		5.00 5.00 3.00 5.00 5.00 1.00 16.00 0.00 0.00 3.00	8934		Inside	3837.00 3842.00 3847.00 3850.00 3855.00 3860.00 3861.00 3877.00 3877.00 3877.00	Accun	28.00	Во	
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Bulinose		5.00 5.00 3.00 5.00 5.00 1.00 16.00 0.00 0.00 3.00	8934		Inside	3837.00 3842.00 3847.00 3850.00 3855.00 3860.00 3861.00 3877.00 3877.00 3877.00	Accun	28.00	Во	

RILOBITE	, D	RILL STEM TEST REPOR	Г	F	FLUID SUMMARY
		omino Petro. Inc.	19-14s-25	v Trego,KS	
TESTING	i, incl 🛺	24 SE 84th St	Doc #3	U-,	
		w ton KS 67114	Job Ticket: 6	24954	Det#. 4
		TN: Andy White			DST#:1
. ušærði				2015.09.28 @ 13	
Mud and Cushion Inform	ation				
Mud Type: Gel Chem		Cushion Type:		Oil API:	deg API
Mud Weight: 9.00 lb/gal Viscosity: 60.00 sec/q		Cushion Length: Cushion Volume:	ft bbl	Water Salinity:	ppm
Water Loss: 6.79 in ³	l.	Gas Cushion Type:	ומט		
Resistivity: ohm.r	n	Gas Cushion Pressure:	psig		
Salinity: ppm					
Filter Cake: inche	S				
Recovery Information					
		Recovery Table	1	7	
	Length ft	Description	Volume bbl		
	5.0	0 Mud	0.025	5	
Total Le	ength:	5.00 ft Total Volume: 0.025 bbl			
Num Flu	id Samples: 0	Num Gas Bombs: 0	Serial #		
	ory Name:	Laboratory Location:	oonan,	•	
	ry Comments				

Printed: 2015 10.01 @ 10.01.25

Ref. No: 64854

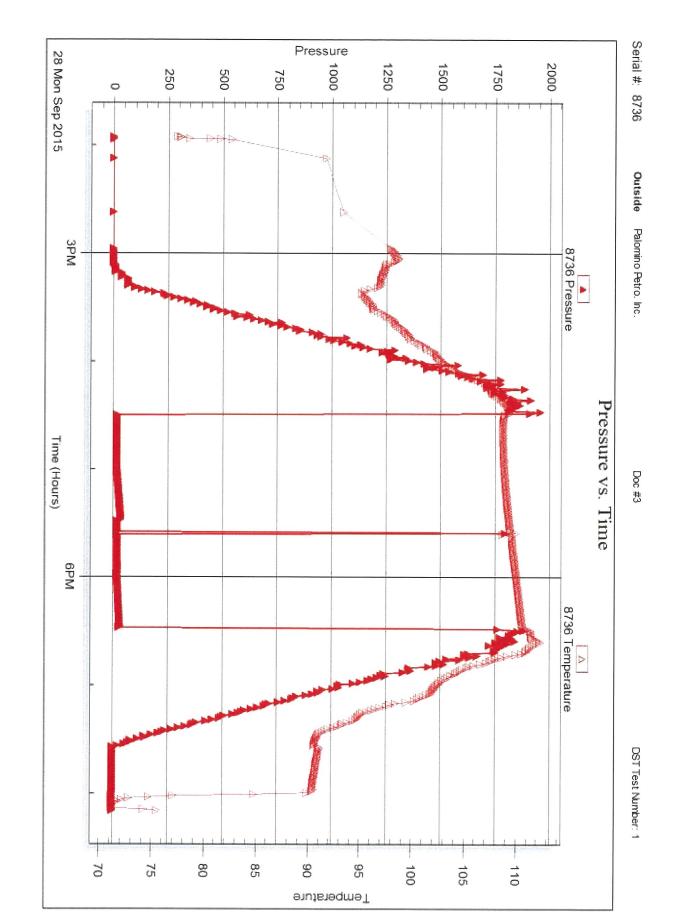




Printed: 2015.10.01 @ 10:01:25

Ref. No: 64854

Trilobite Testing, Inc





DRILL STEM TEST REPORT

Prepared For:

Palomino Petro. Inc.

4924 SE 84th St Newton KS 67114

ATTN: Andy White

Doc #3

19-14s-25w Trego,KS

 Start Date:
 2015.09.29 @ 05:10:00

 End Date:
 2015.09.29 @ 11:10:30

 Job Ticket #:
 64855
 DST #: 2

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

Printed: 2015.10.01 @ 10:00:17

RILOBITE	DRILL STEM TE	EST REP	ORI				
	Palomino Petro. Inc.		19-1	14s-25w	/ Trego,K	S	
ESTING , INC			Doc	c #3			
	New ton KS 67114		Job	Ticket: 64	4855	DST#:2	2
	ATTN: Andy White		Test	t Start: 20	015.09.29 @	05:10:00	
GENERAL INFORMATION:							
Formation: KC "K-L" Deviated: No Whipstock: Time Tool Opened: 07:20:45 Time Test Ended: 11:10:30	ft (KB)		Test Test Unit	ier: I	Conventiona Brett Dickins 81	al Bottom Hol son	e (Reset)
Interval: 3866.00 ft (KB) To 39 Total Depth: 3930.00 ft (KB) (TV	/D)		Refe	erence Ele		2364.00 2357.00	ft (CF)
Hole Diameter: 7.88 inches Hole	e Condition: Fair			KB t	:o GR/CF:	7.00	ft
Serial #: 8934 Inside							
Press@RunDepth: 61.03 psig Start Date: 2015.09.29	@ 3894.00 ft (KB) End Date:	2015.09.29	Capacity: Last Calib			8000.00 2015.09.29	psig
Start Time: 05:10:05	End Time:	11:10:29	Time On E	3tm: 2	2015.09.29	@ 07:20:00	
			Time Off I		2015.09.29	@ 09:20:45	
FF-No blow FSI-No blow Pressure vs. T	2034 Temperature	Time			RE SUMM		
FSI-No blow Pressure vs. T	DI Vergenare I Ve	∞ (Min.) ∞ 0 ∞ 1 ∞ 30 61	Pressure (psig) 1971.00 22.50 48.24 689.33 50.10	Temp (deg F) 107.65 106.59 109.26 110.98 110.84	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-II Open To F	on o-static flow (1) n(1)	
FSI-No blow Pressure vs. T BOM Pressure	DI Vergenare I Ve	(Min.) (Min.)	Pressure (psig) 1971.00 22.50 48.24 689.33	Temp (deg F) 107.65 106.59 109.26 110.98 110.84	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	on o-static flow (1) n(1) flow (2) n(2)	
FSI-No blow Pressure vs. T Description Pressure		(Min.) (Min.)	Pressure (psig) 1971.00 22.50 48.24 689.33 50.10 61.03 569.81	Temp (deg F) 107.65 106.59 109.26 110.98 110.84 111.63 112.69 112.97	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	on o-static flow (1) n(1) flow (2) n(2)	
FSI-No blow Pressure vs. T Sold Freesee Transformed Pressure vs. T Sold Freesee Transformed Transforme	Developments Volume (bbl)	(Min.) (Min.)	Pressure (psig) 1971.00 22.50 48.24 689.33 50.10 61.03 569.81	Temp (deg F) 107.65 106.59 109.26 110.98 110.84 111.63 112.69 112.97	Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	on o-static flow (1) in(1) flow (2) n(2) o-static	s Rate (Mcf/d)
FSI-No blow Pressure vs. T Dominance Description Pressure vs. T Dominance Description Desc		(Min.) (Min.)	Pressure (psig) 1971.00 22.50 48.24 689.33 50.10 61.03 569.81	Temp (deg F) 107.65 106.59 109.26 110.98 110.84 111.63 112.69 112.97	Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	on o-static flow (1) in(1) flow (2) n(2) o-static	s Rate (Mcf/d)
FSI-No blow Pressure vs. T Stor Freese Transport Tr	Developments Volume (bbl)	(Min.) (Min.)	Pressure (psig) 1971.00 22.50 48.24 689.33 50.10 61.03 569.81	Temp (deg F) 107.65 106.59 109.26 110.98 110.84 111.63 112.69 112.97	Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	on o-static flow (1) in(1) flow (2) n(2) o-static	s Rate (Mcf/d)
FSI-No blow Pressure vs. T Sold Freesee Transformed Pressure vs. T Sold Freesee Transformed Transforme	Developments Volume (bbl)	(Min.) (Min.)	Pressure (psig) 1971.00 22.50 48.24 689.33 50.10 61.03 569.81	Temp (deg F) 107.65 106.59 109.26 110.98 110.84 111.63 112.69 112.97	Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	on o-static flow (1) in(1) flow (2) n(2) o-static	s Rate (Mcf/d)
FSI-No blow Pressure vs. T Sold Freesee Transformed Pressure vs. T Sold Freesee Transformed Transforme	Developments Volume (bbl)	(Min.) (Min.)	Pressure (psig) 1971.00 22.50 48.24 689.33 50.10 61.03 569.81	Temp (deg F) 107.65 106.59 109.26 110.98 110.84 111.63 112.69 112.97	Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	on o-static flow (1) in(1) flow (2) n(2) o-static	s Rate (Mct/d)

End End End Nul Nul Nul Endstate Choke (inches) Pressure (psig) Gas Rate (Mct/d) 65.00 OS Mud 0.32		DRILL STEM TES		ORT	******	
New ton KS 67114 Job Ticket: 64855 DST#: 2 ATTN: Andy White Test Start: 2015.09.29 @ 05:10:00 GENERAL INFORMATION: Formation: KC "KL" Formation: KC "KL" Devided: The Start: 2015.09.29 @ 05:10:00 GENERAL INFORMATION: Formation: KC "KL" Test Start: 2015.09.29 @ 05:10:00 GENERAL INFORMATION: Formation: KC "KL" Test Type: Conventional Bottom Hole (Reset) Time Test Ended: 1110.30 Test Type: Conventional Bottom Hole (Reset) Tester: 295.00 ft (KB) Table Deah: 3930.00 ft (KB) (TVD) Tester: 295.00 ft (KB) 2357.00 ft (KB) Table Deah: 3930.00 ft (KB) (TVD) East Callo: 2015.09.29 East Callo: 2015.09.29 Start Date: 2015.09.29 East Callo: 2015.09.29 East Callo: 2015.09.29 Start Date: 2015.09.29 East Callo: 2015.09.29 East Callo: 2015.09.29 Start Date: Start Date: Start Date: Three On Bhr: Three Of Bhr: TSTE COMMENT: IF-Surface blow define min Start Date: Three Methods Monotation Generation: Normation: Monotation Monotation Monotation Mark Monotation: <		Palomino Petro. Inc.		19-14	s-25w Trego,	KS
GENERAL INFORMATION: Formation: KC "K-L" Deviate: No Whipstock: ft (KB) The Test Ended: 11:10:30 Interval: 3866.00 ft (KB) TO 3530.00 ft (KB) (TVD) Total Deph: 3930.00 ft (KB) (TVD) Total Deph: 2930.00 ft (KB) (TVD) Total Deph: 2015.09.29 Start Thre: 05:10.05 End Time: 2015.09.29 Start Thre: 05:10.05 End Time: 2015.09.29 The On Bhr: The Off Bhr: TEST COMMENT: IF-Surface blow died in 6 min Si-No blow FS-No FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-N	ESTING , INC					DST#: 2
Formation: KC *KL* Deviate: No Whipstock: ft (KB) Time Tool Openad: 07:20:45 Time Test Ended: 11:10:30 Unit No: 81 Interval: 3865.00 ft (KB) TO 330:00 ft (KB) (TVD) Total Depth: 3930.00 ft (KB) (TVD) Hole Diameter: 7.88 inches/Hole Condition: Fair KB to GRICF: 7.00 ft (CF) Press@RunDepth: psig @ 3894.00 ft (KB) Sant Date: 2015.09:29 Start Time: 05:10:05 End Time: 11:10:29 Time Off Birr TEST COMMENT: F-Surface blow died in 6 min ISI-No blow FSI-No BIR F-No blow FSI-No BIR F-No blow FSI-No BIR F-No blow FSI-No BIR F-NO FSI-NO FS		ATTN: Andy White		Test St	art: 2015.09.29	@ 05:10:00
Deviate: No Whipstock ft (KB) Time Tool Opened: 07:20:45 Time Tool Standard: 11:10:30 Total Depth: 3930.00 ft (KB) To 3930.00 ft (KB) (TVD) Total Depth: 3930.00 ft (KB) (TVD) Total Depth: 7.88 incheskole Condition: Fair Serial #: 8736 Dutside Press@BunDepth: 2015.09:29 End Date: 2015.09:29 Last Callb: 2015.09:29 Start Time: 05:1005 End Time: 11:10:20 Time Off Btrx TEST COMMENT: IF-Surface blow ded in 6 min ISHA blow FF-No blow FF-No blow FF-No blow FS-No FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO FS-NO	GENERAL INFORMATION:					
Total Depth: 3930.00 ft (KB) (VD) 2357.00 ft (CF) Hole Dameter: 7.88 inches/hole Condition: Fair KB to GRUCF: 7.00 ft Serial #: 8736 Outside Press@PanDephri: 959 @ 3894.00 ft (KB) 2015.09.29 2015.09.29 Last Callb:: 2015.09.29 2015.09.29 Last Callb:: 2015.09.29 2015.09.29 2015.09.29 Last Callb:: 2015.09.29 2015.09.29 Last Callb:: 2015.09.29 2015.09.29 Last Callb:: 2015.09.29 2015.09.29 Last Callb:: 2015.09.29 La	Deviated: No Whipstock: Time Tool Opened: 07:20:45	ft (KB)		Tester:	Brett Dicki	
Press@RunDepth: psig @ 3894.00 ft (KB) Capacity: 8000.00 psig Start Date: 2015.09.29 End Date: 2015.09.29 Start Time: 05:10.05 End Time: 11:10.29 Time On Bim: TEST COMMENT: F-Surface blow died in 6 min Start Date: 11:10.29 Time Off Bim: TEST COMMENT: F-Surface blow died in 6 min Start Date: 11:10.29 Time Off Bim: Test collab. F-Surface blow died in 6 min Start Date: 11:10.29 Time Off Bim: Test collab. F-Surface blow died in 6 min Start Date: 11:10.29 Time Off Bim: Test collab. F-Surface blow F-Surface blow Freeswers Time Time Off Bim: Test collab. Fersoury test manual Freeswers Time Time Off Bim: Time Off Bim: Test collab. Fersoury test manual Freeswers Time Time Off Bim: Time Off Bim: Test collab. Fersoury test manual Fersoury test manual Gas Rates Each date (Math) Test collab. Fersoury test manual Fersoury test manual Fersoury test manual Fersoury test manual Gas Rates Test conduct	Total Depth: 3930.00 ft (KB) (TV	(D)		Refere		2357.00 ft (CF)
Press@RunDepth: psig @ 3894.00 ft (KB) Capacity: 8000.00 psig Start Date: 2015.09.29 End Date: 2015.09.29 Start Time: 05:10.05 End Time: 11:10.29 Time On Bim: TEST COMMENT: F-Surface blow died in 6 min Start Date: 11:10.29 Time Off Bim: TEST COMMENT: F-Surface blow died in 6 min Start Date: 11:10.29 Time Off Bim: Test collab. F-Surface blow died in 6 min Start Date: 11:10.29 Time Off Bim: Test collab. F-Surface blow died in 6 min Start Date: 11:10.29 Time Off Bim: Test collab. F-Surface blow F-Surface blow Freeswers Time Time Off Bim: Test collab. Fersoury test manual Freeswers Time Time Off Bim: Time Off Bim: Test collab. Fersoury test manual Freeswers Time Time Off Bim: Time Off Bim: Test collab. Fersoury test manual Fersoury test manual Gas Rates Each date (Math) Test collab. Fersoury test manual Fersoury test manual Fersoury test manual Fersoury test manual Gas Rates Test conduct	Serial #: 8736 Outside					and a second second
ISHNo blow FF-No blow FS-No blow Personer vr. Time Pressure vr. Time Pressure vr. Time Pressure vr. Time Pressure (deg F) Annotation (Mn.) (deg F) Annotation (deg F) Annotation (deg F) (deg F) Crobe (inches) Pressure (psig) Gas Rates Crobe (inches) Pressure (psig) Gas Rate (Motio) Crobe (inches) Pressure (psig) Gas Rate (Motio)	Start Date: 2015.09.29	End Date:		Last Calib.: Time On Btm		
Image: constraint of the state	ISI-No blow FF-No blow	died in 6 min				
Image: Surface strate Time (Min.) Pressure (prig) Annotation Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strate Image: Surface strat Image:						
Length (ft) Description Volume (bbl) 65.00 OS Mud 0.32		Timpenklur (deg F)	(Min.)	1		ition
65.00 OS Mud 0.32	Recovery				Gas Rates	
					Choke (inches) Pres	ssure (psig) Gas Rate (Mct/d)
Trilobite Testing, Inc Ref. No: 64855 Printed: 2015.10.01 @ 10:00:18		Ref. No: 64855				

RILC		Palomin	o Petro. Inc	5.		19-14s-25w Tre	ego,KS	
	TING , INC	4924 S	E 84th St			Doc #3		
		1	n KS 67114			Job Ticket: 64855		DST#:2
		ATTN:	Andy Whi	te		Test Start: 2015.0	9.29 @ 0	
Tool Information								
	3725.00 ft	Diameter:	3.80	inches Volume	52.25 bb	I Tool Weight:		2500.00 lb
Heavy Wt. Pipe: Length		Diameter:		inches Volume		5		
Drill Collar: Length				inches Volume:				
	7 00 4			Total Volume:	- bb			0.00 ft
Drill Pipe Above KB: Depth to Top Packer:	7.00 ft 3866.00 ft					String Weight:	Initial 5	8000.00 lb
Depth to Bottom Packer:	3666.00 It						Final 5	8000.00 lb
nterval betw een Packers								
fool Length:	92.00 ft							
Number of Packers:	2	Diameter:	6.75	inches				
Tool Comments:								
	Le		Serial No	o. Position		Accum. Lengths		
	Le	ngth (ft) 5.00	Serial No	o. Position	Depth (ft) 3843.00	Accum. Lengths		
Shut In Tool Hydraulic tool	Le	5.00 5.00	Serial No	o. Position	3843.00 3848.00	Accum. Lengths		
Shut In Tool Hydraulic tool Jars	Le	5.00 5.00 5.00	Serial No	o. Position	3843.00 3848.00 3853.00	Accum. Lengths		
Shut In Tool Hydraulic tool Jars Safety Joint	Le	5.00 5.00 5.00 3.00	Serial No	o. Position	3843.00 3848.00 3853.00 3856.00			
Shut In Tool Hydraulic tool Jars Safety Joint Packer	Le	5.00 5.00 5.00 3.00 5.00	Serial No	o. Position	3843.00 3848.00 3853.00 3856.00 3861.00	Accum. Lengths 28.00	E	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Le	5.00 5.00 5.00 3.00 5.00 5.00	Serial No	o. Position	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00		E	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00	Serial No	o. Position	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00		E	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00 27.00			3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00		E	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder	Le	5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00	8934	l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00		E	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder	Le	5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00 0.00		l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00 3894.00		E	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Blank Off Sub	Le	5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00 0.00 1.00	8934	l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00 3894.00 3895.00		E	Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Recorder Blank Off Sub Packer - Shale Change Over Sub	Le	5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00 0.00 1.00 31.00	8934	l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00 3894.00 3895.00 3926.00		E	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Blank Off Sub	Le	5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00 0.00 1.00	8934	l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00 3894.00 3895.00			Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Blank Off Sub Packer - Shale Change Over Sub Bullnose		5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00 0.00 1.00 31.00 1.00 3.00	8934	l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00 3894.00 3894.00 3895.00 3926.00 3927.00	28.00		
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Blank Off Sub Packer - Shale Change Over Sub Bullnose	Le	5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00 0.00 1.00 31.00 1.00	8934	l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00 3894.00 3894.00 3895.00 3926.00 3927.00	28.00		
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Blank Off Sub Packer - Shale Change Over Sub Bullnose		5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00 0.00 1.00 31.00 1.00 3.00	8934	l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00 3894.00 3894.00 3895.00 3926.00 3927.00	28.00		
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Recorder Blank Off Sub Packer - Shale Change Over Sub Bullnose		5.00 5.00 3.00 5.00 5.00 1.00 27.00 0.00 0.00 1.00 31.00 1.00 3.00	8934	l Inside	3843.00 3848.00 3853.00 3856.00 3861.00 3866.00 3867.00 3894.00 3894.00 3894.00 3894.00 3895.00 3926.00 3927.00	28.00		

TESTING , MC Patomino Petro. Inc. 19-14s-25w Trego, KS 4924 SE 84th St New ton KS 67114 Doc #3 Job Ticket: 64855 DST#: 2 ATTN: Andy White Test Start: 2015.09.29 @ 05:10:00 Mud and Cushion Information Oil API: deg API Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Vater Loss: 6.78 in ³ Gas Cushion Pressure: psig alinity: ppm	(ÔN	RILOBITE	DRI	LL STEM TEST R	EPOR	F	FLU	JID SUMMAR
New ton KS 67114 Job Ticket: 64855 DST#:2 ATTN: Andy White Test Start: 2015.09.29 @ 05:10:00 Atta and Cushion Information Ushion Type: Oil API: deg API Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Society: 60.00 sec/qt Cushion Volume: bbl bbl Vater Loss: 6.78 in³ Gas Cushion Type: esistivity: ohm.m Gas Cushion Pressure: psig alinity: ppm gas Cushion Pressure: psig psig esistivity: ohm.m Gas Cushion Pressure: psig Atter Loss: 6.78 in³ Gas Cushion Pressure: psig psig esistivity: ohm.m Gas Cushion Pressure: psig Atter Loss: inches inches Fecovery Table Ecovery Table Ecovery Table Total Length: Description Volume bbl 65.00 OS Mud 0.320 0.320 Ecovery Field Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location: 0 Serial #:	施生	farming market and the second se	Palomi	no Petro. Inc.		19-14s-25v	v Trego,KS	
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Laboratory Name: Laboratory Location:		Total Length:	65	.00 ft Total Volume:	0.320 bbl			
		Recovery Comn	nents:					

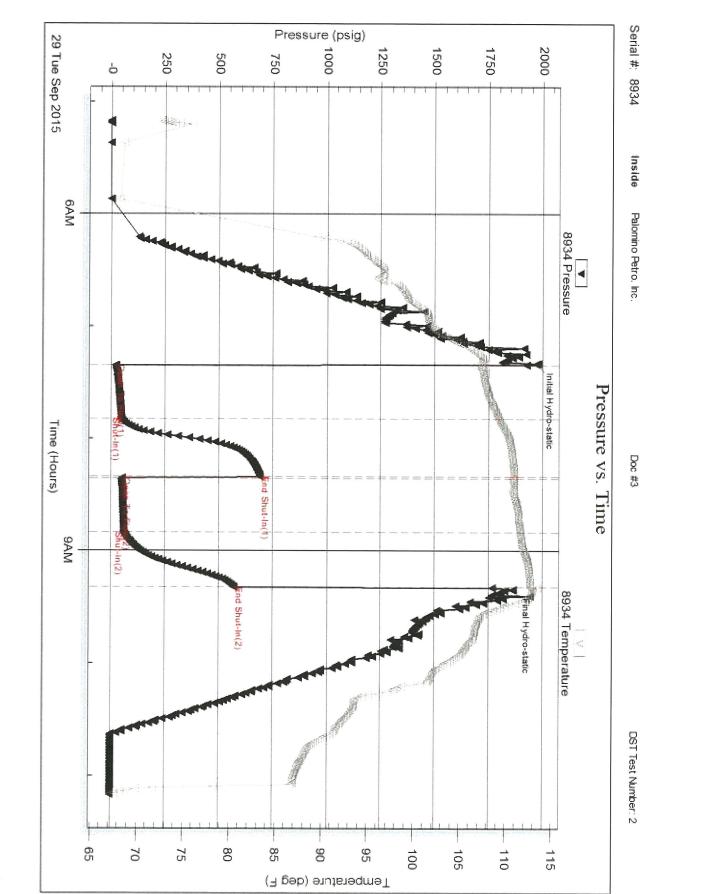
Printed: 2015.10.01 @ 10:00:19

Ref. No: 64855





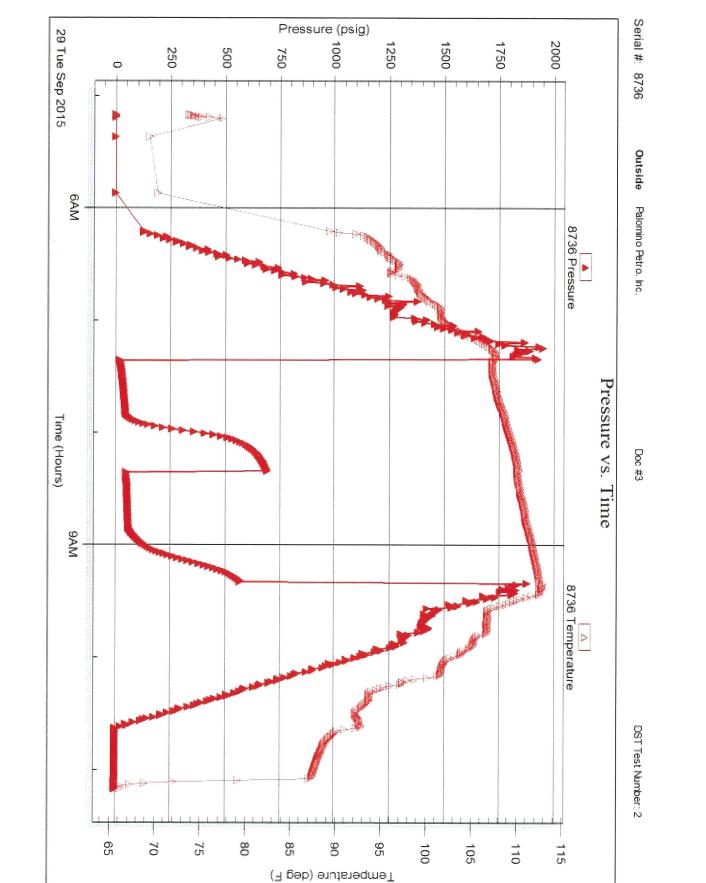






Trilobite Testing, Inc





4/10 TRILOBITE ESTING IN 1515 Commerce Parke	VC. way ∙ Hays, Kansas 67601	Test 1 NO.	Ficket 64854	
Company <u>Palamina Petrolea</u> Address <u>4924</u> SE 8476 ST	Newton KS 67114	2364	кв <u>235</u>	
Co. Rep/Geo. <u>Andy White</u> Location: Sec. <u>19</u> Twp. <u>145</u>	RgeSLCoRge	<u>N ₹[2</u>		
Interval Tested <u>4860 - 38.86</u>	•. t J	ge la de la companya de la construcción de la defini de la La defini de la defin		
Anchor Length 20		Mu	d Wt. <u>9</u>	
Top Packer Depth <u>38.555</u>	Drill Collars Run _/ 2 O	Vis	_60	
Bottom Packer Depth_3860		WL	6.8	
Total Depth	Chlorides	opm System LC		
Blow Description IF - Surface				
ISI - No blow				
FF - No blow	Elush tool			
FSI-No blow				
Rec Feet of Mud	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Total BHT	Gravity API RW	@°F Ch	lorides	ppm
(A) Initial Hydrostatic910	_ \ Test	T-On Locati	on <u>13:30</u>	
(B) First Initial Flow		T-Started _	TEEF	13:55
(C) First Final Flow / S	Safety Joint75	T-Open	16:27	
(D) Initial Shut-In 3 4	Circ Sub	T-Pulled	18:27	
(E) Second Initial Flow (- Hourly Standby	T-Out	20,10	
(F) Second Final Flow 2 (- Mileage 126-T	Comments		
(G) Final Shut-In 29	□ Sampler			
(H) Final Hydrostatic / 89 /	Straddle			
•			Shale Packer	
Initial Open 30	Shale Packer		Packer	
Initial Shut-In30	Extra Packer		opies	
Final Flow 30	Extra Recorder		01	
Final Shut-In 30	Day Standby	Iotal		
	Accessibility	MP/DST D	isc't	
Approved Du	Sub Total		بر -	

Approved By ______ Our Representative ______ But the 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.

RILOBITE			Test Ticket		
4/10 ESTING INC. 1515 Commerce Parkway			NO.	64855	
	In				-/ <u>3</u> GL
Co. Rep/Geo. Andy White		Rig WW	#12		
Location: Sec Twp	_ Rge <u>2 S</u>	co. Treg	¢	State d	5
Interval Tested 3866 3930	Zone Tested				
Anchor Length <u>64</u>	Drill Pipe Run	10		Mud Wt.	
Top Packer Depth	Drill Collars Run	20		Vis	
Bottom Packer Depth <u>3866</u>	Wt. Pipe Run			WL	
Total Depth 3930	Chlorides		System	LCM	
Blow Description <u>17-Ster Eace</u> by	our died in	6min			
- ISL - N Blow					
$\frac{FF-N}{FSI-N} \frac{blow}{blow}$					
Rec 65 Feet of OS Mad		%gas	%oil	%water	%mud
Poo Foot of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total <u>65</u> BHT <u>113</u>	Gravity AP	I RW@	ĥ	- Chlorides	maa
(A) Initial Hydrostatic	Test1050			ocation 4.55	
(B) First Initial Flow 2 3	Jars250		T-Start	ed <u>5:10</u>	
(C) First Final Flow	Safety Joint 75		T-Oper	<u>7:20</u>	
(D) Initial Shut-In689	Circ Sub		T-Pulle	d <u> 7.20</u>	
(E) Second Initial Flow 500	Hourly Standby		T-Out		
(F) Second Final Flow6 /	Mileage 126 m		Comm	ents	
(G) Final Shut-In <u>570</u>	□ Sampler				
(H) Final Hydrostatic <u>/ 8 6 2</u>	G Straddle			inad Chalo Daskas	
	Shale Packer			ined Shale Packer	
Initial Open	Extra Packer			ined Packer	
Initial Shut-In3C	Extra Recorder			tra Copies tal	
Final Flow	Day Standby		Total	1501	
Final Shut-In 3 0	C Accessibility			ST Disc't	
	1501 Sub Total				
Approved By		propoptotius	Bai	10.	,