Confidentiality Requested: Yes No

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

1194842

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

#### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15				
Name:	Spot Description:				
Address 1:					
Address 2:	Feet from  North / South Line of Section				
City: State: Zip:+	Feet from East / West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()					
CONTRACTOR: License #	GPS Location: Lat:, Long:, (e.gxxx. xxxxx)				
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx) Datum: NAD27 NAD83 WGS84				
Wellsite Geologist:					
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
	Producing Formation:				
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:				
OG   GSW   Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:				
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet				
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?				
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet				
Operator:	If Alternate II completion, cement circulated from:				
Well Name:	feet depth to:w/sx cmt.				
Original Comp. Date: Original Total Depth:					
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan				
Plug Back       Conv. to GSW       Conv. to Producer	(Data must be collected from the Reserve Pit)				
Commingled Permit #:	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 disposal in hadied 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 Two	1194842
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTOLICTIONS. Changing and tangent formations paratrated	atail all aaraa Bapart all	final conice of drill stome tests giving interval tested, time test

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

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

Drill Stem Tests Taken (Attach Additional Sh	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose:	Depth	Tune of Coment	# Cooke Lload		Turne and F	) araant Additivaa	

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

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

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

No

No

No

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				A		ement Squeeze Record of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner Ru	n:	No	
Date of First, Resumed Production, SWD or ENHR.       Producing Method:         Image: Production of Flowing Image: Pumping Image: Pump				oing	Gas Lift	Other (Explain)				
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:					PRODUCTION IN	TERVAL:				
Vented Solo	Vented Sold Used on Lease Open Hole Perf. Dually				Commingled					
(If vented, Su	bmit ACC	0-18.)		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	SS 1
Doc ID	1194842

Tops

Name	Тор	Datum
Anhy.	1650	(- 994)
Base Anhy.	1617	(+ 727)
Heebner	3705	(-1359)
Lansing	3747	(-1403)
ВКС	4057	(-1713)
Pawnee	4181	(-1837)
Ft. Scott	4256	(-1912)
Cherokee Sh.	4286	(-1942)
Cherokee Sd.	4347	(-2003)
Miss.	4400	(-2056)
LTD	4517	(-2156)

CONSOLI Oil Well Ser	<b>REMIT TO</b> Consolidated Oil Well Services, L Dept. 970 P.O. Box 4346 Houston, TX 77210-4346				AIN OFFICE P.O. Box 884 ute, KS 66720 800/467-8676 620/431-0012	
INVOICE				Invoice #	264808	
Invoice Date: 12/17	/2013	Terms: 10/10/30,n/30		 P	age <u>1</u>	
PALOMINO PETROLEUM, INC. 4924 SE 84TH STREET NEWTON KS 67114-8827 ( ) - KS						
Part Number 11045 1102 1118B 1111	104sCLASS "A" CEMENT (SALE)102CALCIUM CHLORIDE (50#)118BPREMIUM GEL / BENTONITE				Total 3060.75 437.10 83.70 .00	
Sublet PerformedDescription9996-130CEMENT MATERIAL DISCOUNT9995-130CEMENT EQUIPMENT DISCOUNT					Total -358.16 -171.12	
Description 460 MIN. BULK DELI 463 CEMENT PUMP (S 463 EQUIPMENT MILE	WAY)		Unit Price 430.00 1150.00 5.25	Total 430.00 1150.00 131.25		

Amount Due 5513.07 if paid after 01/16/2014

		nan gana pros tank anna arao ario dana anna arao anna ann anna arao anna anna anna anna anna a	2000 2000 1000 2000 2000 2000 2000 2000			ten bras pitter July i	
Parts:	3581.55	Freight:	.00	Tax:	198.24	AR	4961.76
Labor:	.00	Misc:	.00	Total:	4961.76		
Sublt:	-529.28	Supplies:	.00	Change:	.00		

Consolidated	7 <sup>-</sup> -6728899 p.3				
CONSOLIDATED Off Well Services, LLC	8 TICKET NUMBER 44603 LOCATION Capille of 16. FOREMAN Augusta				
PO BOX 664, Chandle, NG 66726	REATMENT REPORT MENT だい				
DATE CUSTOMER # WELL NAME & NUMBER	SECTION TOWNSHIP RANGE COUNTY				
12/16/13 6285 55 #1	7 18 24 Ness				
CUSTOMER <u>Palomino</u> <u>Petroleum</u> MAILING ADDRESS MAILING ADDRESS GITY STATE ZIP CODE Ein T	463 Cory				
JOB TYPE Sur faile HOLE SIZE 12/14 HOLE D	DEPTH 221 CASING SIZE & WEIGHT 8 5/8 , 23 *				
	R gal/sk CEMENT LEFT in CASING_25				
DISPLACEMENT 12.87 DISPLACEMENT PSI MIX PSI RATE REMARKS: Safty Meeting Rig up on Maurick "108 Run Cosing Break Circulat, With Rig Pamp Hopk up To Pump Truck Mix 165 SKs Com 3% CL 2% Gol Wash UP Pump + Lines Displace with 12.87 661 Water Shutin Rig Down					
	Cement Did Circulate				

19102 2	bbl To Pit		<u>`</u>		
<u>Fige</u>		Thrak's 1	Jauen	+ Crei	}
CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUC	Т	UNIT PRICE	TOTAL
4015	1	PUMP CHARGE		115000	1150.2
406	25	MILEAGE		\$ 5:25	\$ 131.2
407 A	7.76	Ton Mileage Delivery		\$ 1.75	\$ 430.2
1045	165 5Ks	Class'H" Cement		18.55	\$3060.
102	465=	Celcium Chloride		\$ . 24	\$ 437
118B	310=	Bentonite		\$ 2?	\$ 83,
11	310# 100#	Salt		NA	NC
	١				
				SubTotal	\$5292
				Less 10%	\$ 529
				SubTotal	4763=
		Y	- <del>Com</del>	leted	
			6.15	SALES TAX	198.
737				ESTIMATED	119/1 -
		Tall and had		TOTAL	1710

AUTHORIZTION \_\_\_\_\_\_ TITLE <u>Tool puchar</u> DATE 12-16-2018 I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this fo

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			Willow	RELEIVED	
CONSOLI Oil Well Sen	DATE	<b>REMIT T</b> Consolidated Oil Well Dept. 97 P.O. Box 43 Houston, TX 772	Services, LLC 0 346	620/431-9210 •	MAIN OFFICE P.O. Box 884 nute, KS 66720 1-800/467-8676 x 620/431-0012
INVOICE				Invoice #	265230
Invoice Date: 01/14	l/2014 7	Ferms: 10/10/30,n/	·=====================================		======= Page 1
	a ana hat bat kan any any kan kan an				
PALOMINO PETROI 4924 SE 84TH SI NEWTON KS 6711 ( ) -		4 7 0	S #1 4607 -18-24 1-02-2014 KS		
	NAM NAM NAM FILM ALL AND AND AND AND AND AND AND ALL AND A				
Part Number 1131 1118B 1107 1111	FLO-SEAI	)Z MIX GEL / BENTONITE	Qty 250.00 860.00 63.00 100.00	.2700 2.9700	Total 3965.00 232.20 187.11 .00
Sublet Performed 9996-130 9995-130		ion ATERIAL DISCOUNT QUIPMENT DISCOUNT			Total -438.43 -199.88
Description 463 SINGLE PUMP 463 EQUIPMENT MILE 466 TON MILEAGE DE		WAY)	Hours 1.00 25.00 1.00	5.25	

Amount Due 6652.70 if paid after 02/13/2014

		anna anna anna anna anna anna anna ann	an arter some arter some over there state over some more o an arter some hand wide peeks state state state some some	ran dram some sing sing fider take take take	nadi ucun Jung Anna muna sunn anta anna anna anna a Ina puga Anna Anna anna tung cun puga buta buta anna anna a	an succession and	
Parts:	4384.31	Freight:	.00	Tax:	242.68	AR	5987.43
Labor:	.00	Misc:	.00	Total:	5987.43		
Sublt:	-638.31	Supplies:	.00	Change:	.00		
Anna anna anna Arrit anna Arri arra arra athai baile anna anna anna anna hert arra arra arra anna anna	land land meet and star and land the star and	rat with how and how and how and how you have and			ting serve state made assoc and and and and and and and and and a		

Signed

3ARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022

EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822

OTTAWA, KS 785/242-4044 Date

THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914

CUSHING, OK 918/225-2650

		2000	\		1.4	C07
G	ONSOLIDATED	265230	)	TICKET NUME	And and the statement of the statement o	<u>607</u>
	OB Vibil Barviage, LLC				Jakley	to.
			-	FOREMAN	Mucin	
	hanute, KS 66720	FIELD TICKET & TRE		PORT	~	
	or 800-467-8676	CEME				Ko.
DATE		WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
CUSTOMER	6285 55	5 #/	7	18	24	NESS
Palamin	o Petroleum	Nessei		DRIVER	TRUCK #	DRIVER
MAILING ADDRE	ESS	WTO RC	1110	Jordon		DRIVER
4924 .	SE 84 th st.	L 3/21	1111	Cody	1	
CITY	STATE	ZIP CODE Einto	He loss	- Jerry	1	
Newto	n Ks	67111 827	- The part	Deng	1	
and the second s	PTA HOLE SIZE	291	TH 4510	CASING SIZE & V	VEIGHT	1
CASING DEPTH	1650 DRILL PIP				OTHER	
	T 12.5 To 13 SLURRY V		Vsk	CEMENT LEFT in		
	DISPLACE			DATE		
REMARKS: 5	After Mosting Th	jaup on Maurin	15 108	Plus as a	charad	
		<u> </u>		1119 03 0	TUETED.	
1650 -	505Ks					
and the second design of the s	80 SKS					
Contraction in which the second state of the s	50 5Ks	2505Ks	60/40 4	% Gol 1/4	Flassol	
60 -	20 5KS					
Mauseha	ole 20 sks			n an		
Pat hale	30 SKS					and an an Arrow and an arrow that a programme
			. 1 . 1	0		
		J	hortes	Klauen &	Crew	
ACCOUNT	QUANITY or UNITS	DESCRIPTION	of SERVICES or F	RODUCT	UNIT PRICE	TOTAL
CODE	1					1.51
54010	1	PUMP CHARGE		. ·	1395.00	LUIVI-
5406	25	MILEAGE	11		\$ 5.25	131 25
5407A	/0.8	Ton Mileage	Rovery		- 1.13	472.50
4151	DEA -V	60/ 2			G1- 86	5015 00
1131	250 sks	60/40 Poz mix			\$15.86	3965.00
IIIBB	860#	Bentonite			1 .27	232.20
1107	63*	Floseal Salt		· · · ·	\$ 2.92	a 187.11
111(	/00 *	Dair		· ·	NC	NC 1
					SubTotal	6383.00
					Less NX	1638.21
						5744.25
			KY P	amplatad		
				ompicicu		
		j. *				
				6.15	SALES TAX	242.68
lavin 3737					ESTIMATED	
	111		- 1		TOTAL	5987.43
AUTHORIZTION_	1110		Too pushe		DATE 1-2-	2014

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



# DRILL STEM TEST REPORT

Prepared For:

#### Palomino Petroluem

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

### SS #1

## 7-18s-24w Ness,KS

 Start Date:
 2013.12.30 @ 22:34:25

 End Date:
 2013.12.31 @ 07:08:44

 Job Ticket #:
 56031
 DST #:
 1

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

Printed: 2014.01.03 @ 08:29:13

RILOBITE	DRILL STEM TES	SIREP	ORT			
	Palomino Petroluem		7-1	8s-24w	Ness,KS	
ESTING , INC	4924 SE 84th St		SS	#1		
	New ton KS 67114		Job	Ticket: 56	6031	DST#: 1
	ATTN: Ryan Seib		Tes	t Start: 20	)13.12.30 @	) 22:34:25
GENERAL INFORMATION:						
Formation:     Cherokee       Deviated:     No     Whipstock:       Time Tool Opened:     01:59:05       Time Test Ended:     07:08:44	ft (KB)		Tes	ter:	Conventiona Tate Lang 49	al Bottom Hole (Initial)
Interval:4273.00 ft (KB) To436Total Depth:4369.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Ref	erence Ele KB t	evations:	2344.00 ft (KB) 2336.00 ft (CF) 8.00 ft
Serial #: 8898 Outside						
Serial #:         6656         Outside           Press@RunDepth:         140.52 psig ( 2013.12.30           Start Time:         2013.12.30	<ul> <li>4274.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2013.12.31 07:08:44	Capacity Last Cali Time On Time Off	b.: Btm: 2	2013.12.31	8000.00 psig 2013.12.31 @ 01:58:55 @ 04:00:55
TEST COMMENT: B.O.B. In 15 mins. Dead no blow bar B.O.B. In 20 mins Dead no blow bar Pressure vs. Th	ck ck	1			RESUMM	
220 Z20	2556 Tomporáve 129	Time	Pressure	Temp	Annotatio	
200	- 10	(Min.)	(psig)	(deg F)		
				109.27		
1770		0	2132.27 33.92			o-static low (1)
		1 32	2132.27 33.92 97.62	108.04 112.91	Open To F Shut-In(1)	low (1)
		1 32 60	33.92 97.62 980.67	108.04 112.91 114.13	Open To F Shut-In(1) End Shut-I	iow (1) n(1)
		1 32 60	33.92 97.62 980.67 107.25	108.04 112.91 114.13 113.81	Open To F Shut-In(1) End Shut-I Open To F	iow (1) n(1)
		1 32 60	33.92 97.62 980.67	108.04 112.91 114.13 113.81 114.41 115.49	Open To F Shut-In(1) End Shut-I	Tow (1) n(1) Tow (2) n(2)
		1 32 60 61 91 122	33.92 97.62 980.67 107.25 140.52 892.46	108.04 112.91 114.13 113.81 114.41 115.49	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	Tow (1) n(1) Tow (2) n(2)
		1 32 60 61 91 122	33.92 97.62 980.67 107.25 140.52 892.46	108.04 112.91 114.13 113.81 114.41 115.49 115.92	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	Tow (1) n(1) Tow (2) n(2)
terms (ft)	Volume (bbl)	1 32 60 61 91 122	33.92 97.62 980.67 107.25 140.52 892.46	108.04 112.91 114.13 113.81 114.41 115.49 115.92	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Tow (1) n(1) Tow (2) n(2)
espectrum terms (ft) terms	Volume (bbl)	1 32 60 61 91 122	33.92 97.62 980.67 107.25 140.52 892.46	108.04 112.91 114.13 113.81 114.41 115.49 115.92 Ga	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Flow (1) In(1) Flow (2) In(2) o-static
то то то то то то то то то то	Volume (bbl) 1.82 0.84	1 32 60 61 91 122	33.92 97.62 980.67 107.25 140.52 892.46	108.04 112.91 114.13 113.81 114.41 115.49 115.92 Ga	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Flow (1) In(1) Flow (2) In(2) o-static
то то то то то то то то то то	Volume (bbl) 1.82 0.84 1.68	1 32 60 61 91 122	33.92 97.62 980.67 107.25 140.52 892.46	108.04 112.91 114.13 113.81 114.41 115.49 115.92 Ga	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Flow (1) In(1) Flow (2) In(2) o-static
то то то то то то то то то то	Volume (bbl) 1.82 0.84	1 32 60 61 91 122	33.92 97.62 980.67 107.25 140.52 892.46	108.04 112.91 114.13 113.81 114.41 115.49 115.92 Ga	Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Flow (1) In(1) Flow (2) In(2) o-static

Trilobite Testing, Inc

Printed: 2014.01.03 @ 08:29:13

RILOBITE	DRILL STEM TES	ST REP	ORT		
	Palomino Petroluem		7-18s-24w	/Ness,KS	
ESTING , INC	4924 SE 84th St New ton KS 67114		SS #1		
	New LOTE NS 67 1 14		Job Ticket:	56031	DST#:1
	ATTN: Ryan Seib		Test Start:	2013.12.30 (	@ 22:34:25
GENERAL INFORMATION:					
Formation:     Cherokee       Deviated:     No     Whipstock:       Time Tool Opened:     01:59:05       Time Test Ended:     07:08:44	ft (KB)		Test Type: Tester: Unit No:	Convention Tate Lang 49	al Bottom Hole (Initial)
Interval: 4273.00 ft (KB) To 43 Total Depth: 4369.00 ft (KB) (Tv Hole Diameter: 7.88 inchesHole			Reference I	∃evations: B to GR/CF:	2344.00 ft (KB) 2336.00 ft (CF) 8.00 ft
Serial #: 8897InsidePress@RunDepth:psigStart Date:2013.12.30Start Time:22:34:20	<ul> <li>4274.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2013.12.31 07:08:38	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.12.31
B.O.B. In 20 mins Dead no blow ba	ack		PRESSU	JRE SUMN	IARY
220	20 100 100 100 100 100 100 100 100 100 1	Time (Min.)	Pressure Temp (psig) (deg F		ion
220 700 700 700 700 700 700 700		Terrorandito			
		Terrora	G	as Rates	
220 31 Tac 32 June 31 Tac 31 Tac		Terroran			sure (psig) Gas Rate (Mcf/d)
source of the second se	Volume (bbl) 1.82				sure (psig) Gas Rate (Mcf/d)
300         100%О           60.00         75%O 25%M	Volume (bbl) 1.82 0.84	Tennesekin			sure (psig) Gas Rate (Mcf/d,
xxxx         xxxx           xxxx <td>Volume (bbl) 1.82 0.84 1.68</td> <td></td> <td></td> <td></td> <td>sure (psig) Gas Rate (Mcf/d</td>	Volume (bbl) 1.82 0.84 1.68				sure (psig) Gas Rate (Mcf/d
300         100%О           60.00         75%O 25%M	Volume (bbl) 1.82 0.84				sure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc

Printed: 2014.01.03 @ 08:29:13

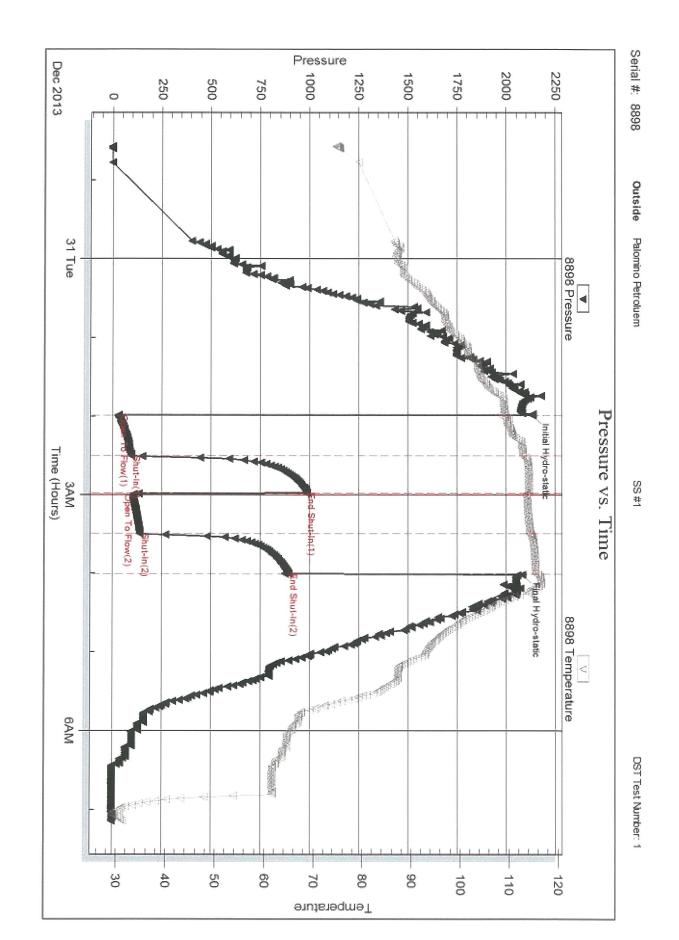
RiLOE TEST	C 2 2022			IVI IESI	REPOR	I	TOOL DIAGRAI
I EST			Petroluem			7-18s-24w Ness,KS	
	'ING , INC	4924 SE 8	84th St			SS #1	
		New ton k	S 67114			Job Ticket: 56031	DST#:1
		ATTN: F	yan Seib			Test Start: 2013.12.30 @	
Tool Information							
	4278.00 ft	Diameter:	3.80 in	ches Volume:	60.01 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe: Length:		Diameter:		ches Volume:	0.00 bbl	Weight set on Packer	
Drill Collar: Length:		Diameter:		ches Volume:	0.00 bbl	Weight to Pull Loose:	
-			-	Total Volume:	60.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Packer:	4273.00 ft					Final	63000.00 lb
Depth to Bottom Packer: Interval betw een Packers:	ft 96.00 ft						
Tool Length:	123.00 ft						
Number of Packers:	2	Diameter:	6.75 in	ches			
Tool Comments:							
Fool Description		ngth (ft) S	orial No	Position	Donth (ft)	ccum. Lengths	
Shut In Tool	Lei	5.00		FUSILION	4251.00	ccum. Lenguis	
Hydraulic tool		5.00			4256.00		
		5.00			4256.00		
Jars Safety Joint		2.00			4261.00		
-						07.00	
Packer		5.00			4268.00	27.00	Bottom Of Top Packer
Packer		5.00			4273.00		
Stubb		1.00			4274.00		
Recorder		0.00	8897	Inside	4274.00		
Recorder		0.00	8898	Outside	4274.00		
Perforations		28.00			4302.00		
Change Over Sub		1.00			4303.00		
Drill Pipe		62.00			4365.00		
Change Over Sub		1.00			4366.00		
Bulinose		3.00			4369.00	96.00 Bo	ttom Packers & Anchor
Tatal Taal	Length:	123.00					

The second se		ILL STEM TEST REPOR	RT	FLU	JID SUMMAR
RILOBI	Palon	ino Petroluem	7-18s-24w	Ness,KS	
I ESTI		SE 84th St on KS 67114	<b>SS #1</b> Job Ticket: 56	2021 <b>D</b>	ST#: 1
	ATTN	: Ryan Seib		013.12.30 @ 22:34	
Aud and Cushion Info	ormation		******	·····	
lud Type: Gel Chem		Cushion Type:		Oil API:	38 deg API
lud Weight: 9.00 lb	o/gal	Cushion Length:		Water Salinity:	ppm
iscosity: 47.00 s		Cushion Volume:	bbl	-	
Vater Loss: 8.78 in	1 <sup>3</sup>	Gas Cushion Type:			
	hm.m	Gas Cushion Pressure:	psig		
alinity: 6600.00 p ilter Cake: 1.00 in					
lecovery Information					
ecovery mormation		Recovery Table			
	Length ft	Description	Volume bbl		
	130.00	100%O	1.824		
	60.00	75%O 25%M	0.842	•	
ľ	120.00	50%O 50%M	1.683		
	0.00	220 GIP	0.000	]	
Tota	al Length: 31	0.00 ft Total Volume: 4.349 b	bl		
	n Fluid Samples: 0	Num Gas Bombs: 0	Serial #:		
	ooratory Name:	Laboratory Location:			
Rec	covery Comments:				

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Ref. No: 56031

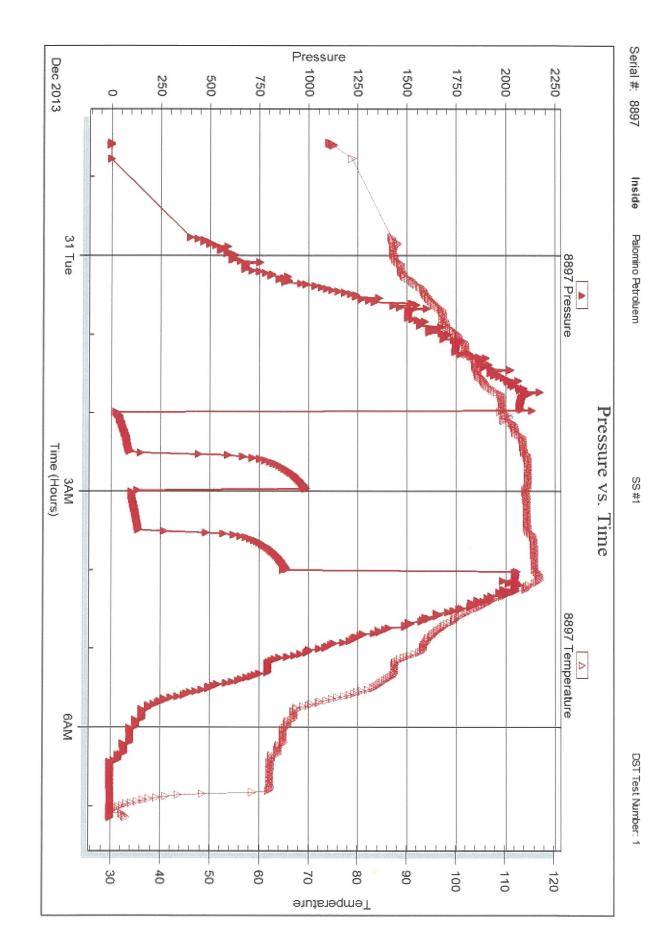




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Ref. No: 56031

Tritobite Testing, Inc





# DRILL STEM TEST REPORT

Prepared For:

#### Palomino Petroluem

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

### SS #1

#### 7-18s-24w Ness,KS

 Start Date:
 2013.12.31 @ 16:00:48

 End Date:
 2013.12.31 @ 23:31:48

 Job Ticket #:
 56032
 DST #: 2

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620 Palomino Petroluem 7-18s-24w Ness,KS SS #1 DST # 2 Cherokee 2013.12.31

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	DRILL STEM TES	ST REP	ORT		
	Palomino Petroluem		7-18s-24	4w Ness,KS	
ESTING , INC			SS #1		
	New ton KS 67114		Job Ticke	t: 56032	DST#: 2
	ATTN: Ryan Seib		Test Star	t: 2013.12.31	@ 16:00:48
GENERAL INFORMATION:					
Formation:CherokeeDeviated:NoWhipstock:Time Tool Opened:18:47:18Time Test Ended:23:31:48	ft (KB)		Test Type Tester: Unit No:	e: Convention Tate Lang 49	nal Bottom Hole (Reset)
Interval:         4273.00 ft (KB) To         43           Total Depth:         4390.00 ft (KB) (TN           Hole Diameter:         7.88 inchesHole				e Elevations: KB to GR/CF:	2344.00 ft (KB) 2336.00 ft (CF) 8.00 ft
Serial #: 8898OutsidePress@RunDepth:141.33 psigStart Date:2013.12.31Start Time:16:00:49	@ 4274.00 ft (KB) End Date: End Time:	2013.12.31 23:31:48	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.12.31 1 @ 18:47:08 1 @ 20:48:18
B.O.B. In 25 mins Dead no blow ba	ick 		PRES	SURE SUMI	MARY
223 BEERSLIP	553 Yempondure 153 Yempondure 150 150 150 150 150 150 150 150	Time (Min.) 0 1 34	Pressure         Ter           (psig)         (deg           2121.12         100           30.80         101	mp Annota	tion dro-static Flow (1)
		60 61	911.84 108	3.48 End Shut 3.17 Open To	i-ln(1)
	L.   X. Y. W.	92	141.33 109	9.33 Shut-In(2	2)
70 50 50 50 50 50 50 50 50 50 5		f 121 122	1 1	0.58 End Shut 0.83 Final Hyd	
Recovery				Gas Rates	
Length (ft) Description	Volume (bbl)		с		ssure (psig) Gas Rate (Mcf/d)
40.00 100%O	0.56	<b>L</b>	ļ	ļ	
120.00 60%O 40%M	1.68				
120.00 5%G 65%O 30%M	1.68				
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 56032		-	nted: 2014.01.0	

Printed: 2014.01.03 @ 08:27:25

RILOBITE	DRILL STEM							
	Palomino Petroluem			7-1	8s-24w	Ness,KS		
ESTING , INC	IDE I DE O IUI DE			SS	#1			
	New ton KS 67114			Job	Ticket: 56	5032	DST#::	2
NON .	ATTN: Ryan Seib			Tes	t Start: 20	013.12.31 (	@ 16:00:48	
GENERAL INFORMATION:							<u> </u>	
Formation:     Cherokee       Deviated:     No     Whipstock:       Time Tool Opened:     18:47:18       Time Test Ended:     23:31:48	ft (KB)			Tes	ter:	Conventior Tate Lang 49	nal Bottom Ho	le (Reset)
Interval: 4273.00 ft (KB) To 4	390.00 ft (KB) (TVD)			Ref	erence Ele	evations:	2344.00	ft (KB)
Total Depth: 4390.00 ft (KB) (1							2336.00	
Hole Diameter: 7.88 inches Ho	le Condition: Good				KB	to GR/CF:	8.00	ft
Serial #: 8897 Inside								
Press@RunDepth: psig	-			Capacity			8000.00	psig
Start Date:         2013.12.31           Start Time:         16:01:00	End Date: End Time:		2013.12.31 23:31:59	Last Cali Time On			2013.12.31	
Juli 10.01.00			20.01.09	Time Off				
Pressure vs.	Time 5597 Tompandure		Time			RE SUMN		
			Time	Pressure	Temp	Annotat		
			Time (Min.)			Annotat		
2230			J	Pressure	Temp	Annotat		
2273			J	Pressure	Temp	Annotat		
220 BD/ Answer 300 Answer 770 Answer 700 Answer 70			J	Pressure	Temp	Annotat		
220 EE2/Presure		Temperature 19 8 8 8 19 19 19 19 19 19 19 19 19 19 19 19 19 1	J	Pressure	Temp	Annotat		
223 <u>BEZ Presum</u> 2000 1770 500 500 500			J	Pressure	Temp	Annotat		
	REF Tomperator	shirifi ta sa	J	Pressure	Temp	Annotat		
	REF Tomperator	shirifi ta sa	J	Pressure	Temp (deg F)	Annotat		
The Doc 2013 The Doc 2013 Th	EU Impenare	shirifi ta sa	J	Pressure	Temp (deg F)	Annotat s Rates	tion	as Rate (Mct/u
The Dec 249 The D	Volume (bbl) 0.56	shirifi ta sa	J	Pressure	Temp (deg F)	Annotat s Rates	tion	as Rate (Mcf/
227 207 207 207 207 207 207 207	Volume (bbl) 0.56 1.68	shirifi ta sa	J	Pressure	Temp (deg F)	Annotat s Rates	tion	as Rate (Mcf/
227 200 200 200 200 200 200 200	Volume (bbl) 0.56	shirifi ta sa	J	Pressure	Temp (deg F)	Annotat s Rates	tion	as Rate (Mcf/
227 207 207 207 207 207 207 207	Volume (bbl) 0.56 1.68	shirifi ta sa	J	Pressure	Temp (deg F)	Annotat s Rates	tion	as Rate (Mcf/
229 300 40.00 120.00 60%O 40%M	Volume (bbl) 0.56 1.68	shirifi ta sa	J	Pressure	Temp (deg F)	Annotat s Rates	tion	as Rate (Mcf/

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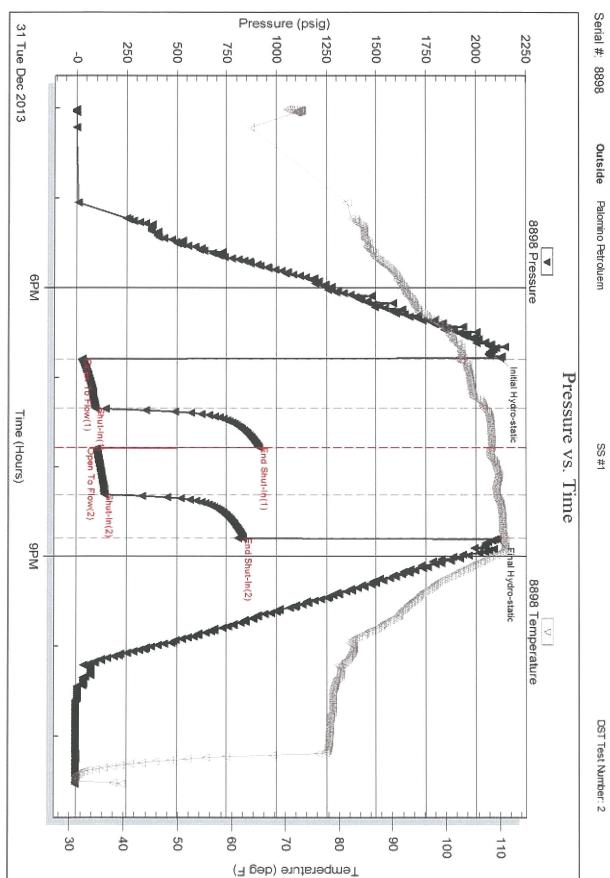
RILOI			o Petroluem	I		7-18s-24w Nes	s,KS	
	TING , INC	-102-10	E 84th St			SS #1		
		New tor	1 KS 67114			Job Ticket: 56032		DST#: 2
		ATTN:	Ryan Seib			Test Start: 2013.1	2.31 @	16:00:48
Tool Information		<b>.</b>				*****		
Drill Pipe: Length:	4276.00 ft	Diameter:	3.80	inches Volume:	59.98 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe: Length:	0.00 ft			inches Volume:		Weight set on F	Packer: 2	25000.00 lb
Drill Collar: Length:	0.00 ft	Diameter:	2.25	inches Volume:		Weight to Pull L	.oose: 7	
Drill Pipe Above KB:	30.00 ft			Total Volume:	59.98 bbl	Tool Chased		0.00 ft
Depth to Top Packer:	4273.00 ft					String Weight:		52000.00 lb
Depth to Bottom Packer:	ft						Final 6	63000.00 lb
Interval between Packers:								
Tool Length:	144.00 ft							
Number of Packers:	2	Diameter:	6.75	inches				
Tool Description	Lei		Serial No.	. Position		Accum. Lengths		
Tool Description	Lei	5.00	Serial No	. Position	<b>Depth (ft)</b> 4251.00	Accum. Lengths		
Tool Comments: <b>Tool Description</b> Shut In Tool Hydraulic tool	Lei	5.00 5.00	Serial No.	. Position	4251.00 4256.00	Accum. Lengths		
<b>Tool Description</b> Shut In Tool Hydraulic tool Jars	Lei	5.00 5.00 5.00	Serial No	. Position	4251.00 4256.00 4261.00	Accum. Lengths		
<b>Tool Description</b> Shut In Tool Hydraulic tool Jars Safety Joint	Lei	5.00 5.00 5.00 2.00	Serial No	. Position	4251.00 4256.00 4261.00 4263.00			
<b>Tool Description</b> Shut In Tool Hydraulic tool Jars Safety Joint Packer	Lei	5.00 5.00 5.00 2.00 5.00	Serial No	. Position	4251.00 4256.00 4261.00 4263.00 4268.00	Accum. Lengths 27.00		Bottom Of Top Packe
<b>Tool Description</b> Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Lei	5.00 5.00 5.00 2.00 5.00 5.00	Serial No.	. Position	4251.00 4256.00 4261.00 4263.00 4268.00 4273.00			Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Lei	5.00 5.00 5.00 2.00 5.00	Serial No 8897		4251.00 4256.00 4261.00 4263.00 4268.00			Bottom Of Top Packe
<b>Tool Description</b> Shut In Tool Hydraulic tool	Lei	5.00 5.00 5.00 2.00 5.00 5.00 1.00		Inside	4251.00 4256.00 4261.00 4263.00 4268.00 4273.00 4274.00			Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder	Lei	5.00 5.00 5.00 2.00 5.00 5.00 1.00 0.00	8897	Inside	4251.00 4256.00 4261.00 4263.00 4268.00 4273.00 4274.00 4274.00			Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations	Lei	5.00 5.00 5.00 2.00 5.00 5.00 1.00 0.00 0.00	8897	Inside	4251.00 4256.00 4261.00 4263.00 4268.00 4273.00 4274.00 4274.00 4274.00			Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	Lei	5.00 5.00 5.00 2.00 5.00 5.00 1.00 0.00 0.00 18.00	8897	Inside	4251.00 4256.00 4261.00 4263.00 4268.00 4273.00 4274.00 4274.00 4274.00 4292.00			Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe	Lei	5.00 5.00 2.00 5.00 5.00 1.00 0.00 18.00 1.00	8897	Inside	4251.00 4256.00 4261.00 4263.00 4268.00 4273.00 4274.00 4274.00 4274.00 4274.00 4292.00 4293.00			Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Drill Pipe	Lei	5.00 5.00 5.00 2.00 5.00 5.00 1.00 0.00 18.00 1.00 31.00	8897	Inside	4251.00 4256.00 4261.00 4263.00 4268.00 4273.00 4274.00 4274.00 4274.00 4292.00 4293.00 4324.00			Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Drill Pipe Change Over Sub	Lei	5.00 5.00 5.00 2.00 5.00 1.00 0.00 18.00 1.00 31.00 62.00	8897	Inside	4251.00 4256.00 4261.00 4263.00 4268.00 4274.00 4274.00 4274.00 4274.00 4292.00 4293.00 4324.00 4386.00			Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		5.00 5.00 5.00 2.00 5.00 1.00 0.00 1.00 1.00 31.00 62.00 1.00	8897	Inside	4251.00 4256.00 4261.00 4263.00 4268.00 4273.00 4274.00 4274.00 4274.00 4292.00 4293.00 4324.00 4386.00 4387.00	27.00		

	<b>RILOB</b>	ITF			TEM TEST F	KEPORT			FLUID S	UMMAR
語	Contraction of the local division of the loc	1	Palomi	no Petroli	lem		7-18s-24w	Ness,KS		
翻	[ ESTI	ING , INC		SE 84th S			SS #1			
翻			New to	n KS 671	14		Job Ticket: 5	6032	DST#: 2	
			ATTN:	Ryan S	eib		Test Start: 2	013.12.31 @	16:00:48	
Aud and Cu	ushion Info	ormation								,
••	Gel Chem				Cushion Type:			Oil API:		deg API
/lud Weight:	9.00 lb	-			Cushion Length:			Water Salinity	<i>'</i> :	ppm
/iscosity:	45.00 s				Cushion Volume:		bbl			
Vater Loss: Resistivity:	9.99 in	hm.m			Gas Cushion Type: Gas Cushion Pressure		naia			
Salinity:	0 7600.00 p				Gas Cushion Pressure	3.	psig			
ilter Cake:	1.00 in									
Recovery Ir	nformation				*********					
	1		•	T	Recovery Table			1		
		Lengt ft			Description		Volume bbi	4		
			40.00	100%C			0.561	-		
			120.00	60%O4			1.683			
	ļ		120.00	•	5%O 30%M		1.683			
	Tota	al Length:	280	0.00 ft	Total Volume:	3.927 bbl				
		n Fluid Samp			Num Gas Bombs:	0	Serial #			
	Lab	oratory Nam	e:		Num Gas Bombs: Laboratory Locatic		Serial #			
	Lab		e:				Serial #			
	Lab	oratory Nam	e:				Serial #			
	Lab	oratory Nam	e:				Serial #			
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Ref. No: 56032

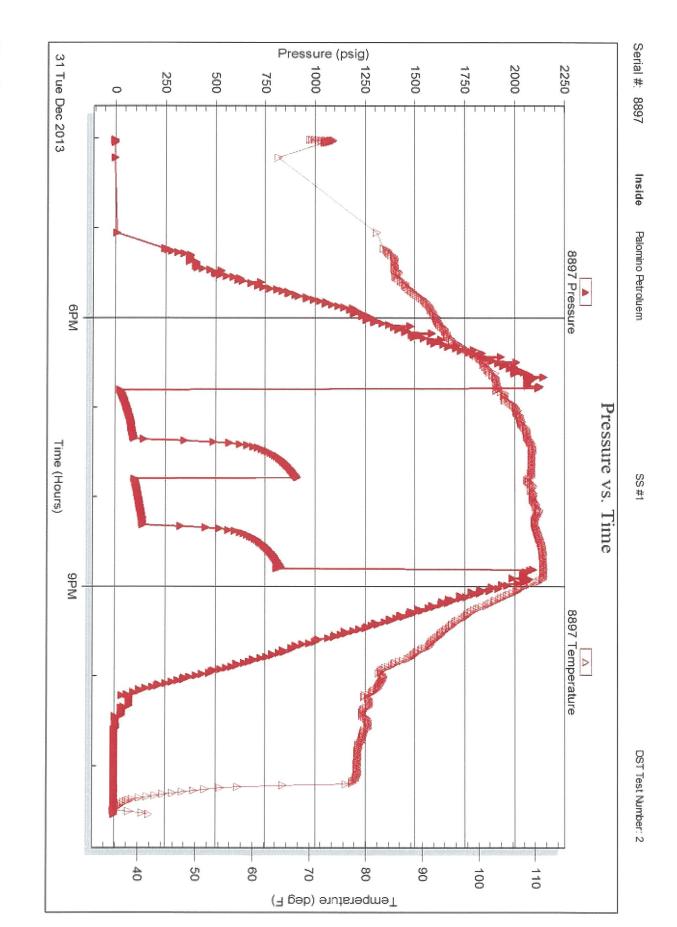




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Ref. No: 56032

Tritobite Testing, Inc



4/10	<b>RILOBITE</b> <b>ESTING</b> INC. 1515 Commerce Parkway •	Hays, Kansas 67601		<b>Test Ti</b> NO. 5	<b>cket</b> 6031	
Well Name & No.	5541		Test No.	Date	12-30-	-13
Company Pale	omino Petrolu		Elevation 2	<i>344</i> ке	233	6 GL
Address 492	7 SE 84#St	Newton HS	67114	7		
Co. Rep / Geo. Ry	in Seis		Rig Acid	rkK -	#/08	
Location: Sec.	<u>7 Twp. 185</u>	Rge. <u>24W</u> Co	Mess		_State	5
Interval Tested	273 4369	Zone Tested	trokee			I
Anchor Length	96	Drill Pipe Run	278	Mud V	vi. <u>92</u>	
Top Packer Depth	4269	Drill Collars Run	5	Vis	47	
Bottom Packer Depth	4273 '	Wt. Pipe Run		WL	8,8	
Total Depth	4369	Chlorides	D ppm Sys	stem LCM	175-	
Blow Description BA	J.B. IN ISmin	\$			·	
De	rid No blou	balK				
	DIB, IN 20	mins	na de 1994 Martin de model constante de contra moderna de constante moderna de constante de constante de const			
Ď,	ead NO 5/00 be	act				
RecF	eet of	<b>`</b>	%gas	%oil	%water	%mud
Rec <u>30</u> Fo	eet of		%gas /O	Joil	%water	%mud
Rec Fe	eet of		%gas ZS	%oil	%water 🛁	5%mud
RecF		~ <i>16</i>	<u>%gas 30</u>	)%oil	%water 5	O <sub>%mud</sub>
RecFe		TP R	)%gas	%oil	%water	%mud
Rec Total 310	BHT	Gravity API	RW@	°F Chloi	rides	ppm
(A) Initial Hydrostatic	0152	Test 1250		T-On Location		S.T.
(B) First Initial Flow	<u>'34</u>	Jars 250		T-Started	de s	4/12 2/
(C) First Final Flow		Safety Joint75		T-Open	21120	[16-2]
(D) Initial Shut-In		Circ Sub	/. 1	T-Pulled (	200	/
(E) Second Initial Flow	ĮŎĮ	Hourly Standby	4 M	T-Out	100	
(F) Second Final Flow _		Mileage	5 / 10	Comments 5rt 162.75	в.	
(G) Final Shut-In	- Buil "	Sampler				
(H) Final Hydrostatic	2062	Straddle		Ruined SI	hale Packer	
20		Shale Packer	and the advances of the standard o	Ruined Pa	acker	terite contraction and a state of the state
Initial Open	$\sim$	Extra Packer		Extra Cop	oies	
Initial Shut-In	50	Extra Recorder			0	
Final Flow	302	Day Standby		Total 1737	.75	
Final Shut-In	Z)	Accessibility		MP/DST Dis	sc't	An
		Sub Total <u>1737.75</u>		10	XX	hard
Approved By		Our Rej	presentative	ale		h the use of its
Trilobite Testing Inc. shall not be hab equipment, or its statements or opin	le for damaged of any kind of the property or ion concerning the results of any test, tools lo	personnel of the one for whom a test i st or damaged in the hole shall be pair	i for at cost by the party for	when the test is the	pay or munecay, anoug ê.	n are use ut h\$

4/10	<b>RILOBITE</b> <b>ESTING INC.</b> 1515 Commerce Parkway	• Hays, Kansas 67601		<b>Test T</b> i NO. 5	i <b>cket</b> i6032	
Well Name & No. Company 200 Address 492 Co. Rep / Geo. 24 Location: Sec. 492 Interval Tested 42 Anchor Length 42 Top Packer Depth 8 Bottom Packer Depth 8 Blow Description 4 Blow Description 4 Blow Description 4 Company 100 Company 100 Com	MINO Aetrolo H SE 84H M Seib 1 J85 73 H 39 117 4269 4390 0, B, SN ad NO blog D, B, JN 25	The St Monton f Rge. 24W c D zone Tested C/ Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides 76 DMMS	f 27 ce	1-11/	45 10,0	/3GL
Rec 40 F Rec 120 F Rec 20 F	912 101 121 232 2103 30 30	Gravity API Test1250 Jars250 Jars250 Safety Joint75 Circ Sub Hourly Standby Mileage25 Sampler325.50 Straddle Shale Packer Extra Packer Extra Recorder Day Standby Accessibility	R/1/2	T-Started	on $415$ 4124 2232 2332 4072 Shale Packer Packer opies 0	
		Sub Total <u>1900.50</u>	procontativo	- 1.1	hard	