

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1145564

Form ACO-1 June 2009 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:	Sec TwpS. R East West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	
Phone: ()	
CONTRACTOR: License #	
Name:	
Wellsite Geologist:	
C C C C C C C C C C C C C C C C C C C	
Purchaser:	
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used?
□ OG □ GSW □ Temp. A	bd. If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	
Dual Completion Permit #:	Operator Name:
SWD Permit #:	License #:
ENHR Permit #:	Quarter Sec Two S R East West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	

AFFIDAVIT

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

Submitted Electronically

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

	Side Two	1145564			
Operator Name:	Lease Name:	Well #:			
Sec TwpS. R East West	County:				

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

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	n (Top), Depth an		Sample
Samples Sent to Geolog	ical Survey	Yes No	Nan	ie		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre>Yes □ No Yes □ No Yes □ No</pre>					
List All E. Logs Run:							
		CASIN	G RECORD	ew Used			
		Report all strings se	et-conductor, surface, int	ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge F Each Interval		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENH	۲.	Producing N	_	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									Ι	
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTE	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)					

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Whipple 1
Doc ID	1145564

Tops

Name	Тор	Datum
Anhy.	1807	(+ 757)
Base Anhy.	1847	(+ 717)
Heebner	3906	(-1372)
Lansing	3947	(-1383)
ВКС	4325	(-1761)
Pawnee	4411	(-1847)
Ft. Scott	4466	(-1902)
Cherokee Sh.	4491	(-1927)
Miss. Por.	4566	(-2002)
LTD	4651	(-2087)



PO Box 93999 Southlake, TX 76092

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

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827 FEB 1 6 2013



Invoice Number: 134752 Invoice Date: Feb 3, 2013 Page: 1

Now Includes:



Deumoant Tamaa

Custom	ner ID	Field Ticket #		Payment le	rms
Pal		59284		Net 30 Day	/S
Job Loo	cation	Camp Location	Se	ervice Date	Due Date
KS1-	-03	Great Bend	F	eb 3, 2013	3/5/13
Quantity	Item	Description		Unit Price	Amount
		Whipple #1			
168.00	MAT	Class A Common		17.90	3,007.20
112.00	MAT	Pozmix		9.35	1,047.20
10.00	MAT	Gel		23.40	234.00

10.00	MAT	Gel		23.40	234.00	
70.00	MAT	Flo Sea	al	2.97	207.90	
301.32	SER	Cubic I	Feet	2.48	747.27	
326.95	SER	Ton Mi	leage	2.60	850.07	
1.00	SER	Plug to	Abandon	2,249.84	2,249.84	
26.00	SER	Pump ⁻	Truck Mileage	7.70	200.20	
26.00	SER	Light V	ehicle Mileage	4.40	114.40	
1.00	CEMENTER	Charles	s Elkins			
1.00	EQUIP OPER	Joshua	alsaac			
1.00	OPER ASSIST	Alan G	enereux			
ALL DRICES AR	ENET, PAYABL	=	Subtotal		8,658.08	
30 DAYS FOLL	OWING DATE OF	-	Sales Tax		545.46	
INVOICE. 11.	/2% CHARGED		Total Invoice Amount		9,203.54	
THEREAFTER.	IF ACCOUNT IS	_	Payment/Credit Applied			
CURRENT, TAK	KE DISCOUNT OF	-	TOTAL		9,203.54	
\$	2,164.52		IVIAL		0,200001	

ONLY IF PAID ON OR BEFORE Feb 28, 2013

ALLIED OIL & GAS SERVICES, LLC 059284 Federal Tax I.D.# 20-5975804

SOU	BOX 93999 THLAKE, TEXAS 76	092				SERV	ICE POINT: <u>Growt B</u>	Bendi, KS	
DATE 2-3-13	SEC. TWP.	RANGE 26W Laird WIng	CA Z	LLED OUT	0N LO [1:00	CATION A M	JOB START 2:39AM	JOB FINISH	1
LEASEWATPALe	WELL# 1	LOCATION W 4	4231	histailer	060 ro	t,	COUNTY Ness	STATE KS	
OLD OR NEW)C		, 	<u> </u>	<u> </u>		<u> </u>	1.03		Toil
CONTRACTOR				OWNER P.	elowin	io Pet	roleum C	or p.	To.:
TYPE OF JOB P HOLE SIZE 77/8	1H 3'' TD	465144		CEMENT				v	
CASING SIZE 8		PTH 222-54			RDERED	1805	x 60/404	4% Gel	
UBING SIZE	DEI	PTH	*****	1.15 KX F	10-5000				
DRILL PIPE 41		ртн 1830 С4		•					
<u>PRES. MAX</u>		<u>PTH</u> NIMUM		001/01/011		,		12	20
MEAS. LINE		DE JOINT		COMMON_ POZMIX		<u>م</u>	@ <u>17.90</u> @ <u>9.35</u>		
CEMENT LEFT I		<u>56550m(1</u>		GEL	10		@ 23.40		
PERFS.				CHLORIDE			@		
DISPLACEMENT	WBM+ FW			ASC					
	EQUIPMENT			- 4103	حما	70	@ 2.97		20
			4				_@		
	CEMENTER Char		1 Z	÷					
# 398 BULK TRUCK	HELPER Josh 1	Saac		4444444			~	-	
	DRIVER Alon G	and more than 1	3						
BULK TRUCK	DRIVER 100 0	che cay		·····			_@		
ŧ	DRIVER			HANDLING	2.1	52	_@ @2.48	747.	27
				MILEAGE		121.1			7
	REMARKS:			. –	2.le. 95			6.09	~ ~ ~
Set Pluy 30-48 Set Pluy 40-74 Plug Surfere W	0ff: 6 FW, 20 cm. 20f4: 6 FW, 7.5cmt 10f4: 6 FW, 12.5cmt 1 th 5 htt. 20cm	<u>3FW (3</u> 1.5FW (5	8051) 2024) D54)	DEPTH OF J		SERVI			
	1110 3 3018, 2007	0011071		PUMPTRU			2249.8	<u>4</u>	
Plug Roy Hole	W. th 7.5166.	305x Comont		PUMP TRUC EXTRA FOC	CK CHAR	GE	2249.8		
Plug Rost Hole Plug Mouse I	W: + h 7.56613, Hole with 5665,	305x Comont		PUMP TRUC EXTRA FOC MILEAGE	CK CHAR DTAGE	GE	2249.8 _@ @7.70	200.	20
Plug Ket Hole Plug Mouse I	W. th 7.5166.	305x Comont		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum	GE	2249.8 _@ _@ <u>7.70</u> _@	200.	
Pling Kat Hole Plug Mouse	W. th 7.5166.	305x Comont		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE	GE	2249.8 _@ _@7.70 _@ _@ <u>4.40</u>		
Plug Mouse	with 7.56613, Hokwith Oblis,	3057 Cement 1057 Cement		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum	GE	2249.8 _@ _@ _@ _@ _@	200.	10
Plug Mouse I	W. th 7.5166.	3057 Cement 1057 Cement		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum	GE	2249.8 _@ _@ _@ _@ _@	200.	10
CHARGE TO:	with 7.56615, Hole with Obbis, zlemino Petrolec	305x Cement 105x Cement um Cong-		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum	GE	2249.8 _@ _@ _@ _@ _@	200.	10
Plug Mouse	with 7.56613, Hokwith Oblis,	305x Cement 105x Cement um Cong-		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum Lum	GE 26 26	2249.8 _@ _@ _@ _@ _@	200.	10
CHARGE TO:	with 7.56615, Hole with Obbis, zlemino Petrolec	305x Cement 105x Cement um Cong-		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum Lum	GE 24 24 \$FLOA	2249.8 _@ @ @ @ @ TOTAL	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	10
CHARGE TO:	with 7.56615, Hole with Obbis, zlemino Petrolec	305x Cement 105x Cement um Cong-		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum Lum	GE 24 24 \$FLOA	2249.8 _@ @ @ @ @ _@ TOTAL T EQUIPMEN _@	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	
CHARGE TO: A	with 7.56615, Hole with Obbis, zlemino Petrolec	3 <u>25x Cement</u> 105x Cement um Cong- ZIP		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum Lum	GE 24 24 \$FLOA	2249.8 @ @ 7.70 @ @ @ TOTAL T EQUIPMEN @ @ @ @ @ @ @ @ @ @ @ @ @	<u>200.</u> <u>114.5</u> <u>2.565</u> WT	
CHARGE TO: Allied Oil &	with 7.5615, Hole with 5665, zlomino Petroleu	3 <u>25x Cement</u> 105x Cement um Cons-		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum Lum	GE 24 24 \$FLOA	2249.8 	<u>200.</u> <u>114.5</u> <u>2.565</u> WT	
<u>المعنى الموسطة المعنى المع</u> CITY To: Allied Oil & You are hereby re	u: th 7.5615, Hole with Oblis, 2lom: no Petroleu STATE Gas Services, LLC.	3 <u>255 Cement</u> 1055 Cement 4m Cong- ZIP		PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum Lum	GE 24 24 \$FLOA	2249.8 @ @ 7.70 @ @ @ TOTAL T EQUIPMEN @ @ @ @ @ @ @ @ @ @ @ @ @	<u>200.</u> <u>114.5</u> <u>2.565</u> WT	
CHARGE TO: Allied Oil & You are hereby recommendation of the second seco	Gas Services, LLC. Gas Services, LLC. equested to rent cent enter and helper(s) to work as is listed. Ti	1055 Cement 1055 Cement Km Cong- ZIP ZIP Denting equipme o assist owner on the above work w	ent r vas	PUMP TRUC EXTRA FOC MILEAGE_ MANIFOLD	CK CHAR DTAGE Hum Lum	GE 24 24 \$FLOA	2249.8 @ @ 7.70 @ @ 4.40 @ TOTAL T EQUIPMEN @ @ @ @ @ @ @ @ @ @ @ @ @	<u>200.</u> 114.5 <u>2.56</u> VT	<u>9</u>
CHARGE TO: Allied Oil & You are hereby re and furnish ceme contractor to do v	Gas Services, LLC. Gas Services, LLC. equested to rent cent enter and helper(s) to work as is listed. The on and supervision	Am Conf-	ent r vas or	PUMP TRUC EXTRA FOC MILEAGE	PLUG	GE 2.له 2.له 2.له	2249.8 	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	
CHARGE TO: Allied Oil & FO: Allied Oil & You are hereby re and furnish ceme contractor to do v lone to satisfaction	Gas Services, LLC. Gas Services, LLC. equested to rent cent enter and helper(s) to work as is listed. The on and supervision re read and understa	anting equipme o assist owner or the above work w of owner agent of the "GENER.	ent r vas or AL	PUMP TRUC EXTRA FOC MILEAGE	PLUG	GE 2.له 2.له 2.له	2249.8 	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	
CHARGE TO: Allied Oil & CITY To: Allied Oil & You are hereby re and furnish ceme contractor to do v lone to satisfaction contractor. I have	Gas Services, LLC. Gas Services, LLC. equested to rent cent enter and helper(s) to work as is listed. The on and supervision	anting equipme o assist owner or the above work w of owner agent of the "GENER.	ent r vas or AL	PUMP TRUC EXTRA FOC MILEAGE	PLUG	GE 2.له 2.له 2.له	2249.8 	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	
CHARGE TO: A CHARGE TO: A STREET CITY To: Allied Oil & You are hereby re and furnish ceme contractor to do v done to satisfacti- contractor. I hav TERMS AND CO	Gas Services, LLC. Gas Services, LLC. equested to rent cent enter and helper(s) to work as is listed. The on and supervision e read and understato ONDITIONS'' listed	henting equipme arm Cang- ZIP ZIP ZIP dasist owner or te above work w of owner agent of nd the "GENER I on the reverse s	ent r vas or AL side.	PUMP TRUC EXTRA FOC MILEAGE	PLUG	GE 2.له 2.له 2.له	2249.8 	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	
CHARGE TO: A CHARGE TO: A STREET CITY To: Allied Oil & You are hereby re and furnish ceme contractor to do y done to satisfacti- contractor. I hav TERMS AND CO	Gas Services, LLC. Gas Services, LLC. equested to rent cent enter and helper(s) to work as is listed. The on and supervision e read and understato ONDITIONS'' listed	henting equipme arm Cang- ZIP ZIP ZIP dasist owner or te above work w of owner agent of nd the "GENER I on the reverse s	ent r vas or AL side.	PUMP TRUC EXTRA FOC MILEAGE	PLUG	GE 2.له 2.له 2.له	2249.8 	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	
CHARGE TO: A CHARGE TO: A STREET CITY To: Allied Oil & You are hereby re and furnish ceme contractor to do y done to satisfacti- contractor. I hav TERMS AND CO	Gas Services, LLC. Gas Services, LLC. equested to rent cent enter and helper(s) to work as is listed. The on and supervision e read and understato ONDITIONS'' listed	henting equipme arm Cang- ZIP ZIP ZIP dasist owner or te above work w of owner agent of nd the "GENER I on the reverse s	ent r vas or AL side.	PUMP TRUC EXTRA FOC MILEAGE	PLUG	GE 2.له 2.له 2.له	2249.8 	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	
CHARGE TO: A CHARGE TO: A STREET CITY To: Allied Oil & You are hereby re and furnish ceme contractor to do v done to satisfacti- contractor. I hav TERMS AND CO	Gas Services, LLC. Gas Services, LLC. equested to rent cent enter and helper(s) to work as is listed. The on and supervision re read and understa	henting equipme arm Cang- ZIP ZIP ZIP dasist owner or te above work w of owner agent of nd the "GENER I on the reverse s	ent r vas or AL side.	PUMP TRUC EXTRA FOC MILEAGE	PLUG	GE 2.له 2.له 2.له	2249.8 @ @ 7.70 @ @ 4.40 @ TOTAL T EQUIPMEN @ @ @ @ @ @ @ @ @ @ @ @ @	<u>200.</u> <u>114.5</u> <u>2.56</u> VT	



PO Box 93999 Southlake, TX 76092

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

Bill To:

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

Invoice Number: 134586 Invoice Date: Jan 26, 2013 Page: 1

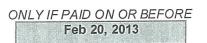


Customer ID	Well Name/# or Customer P.O.	Payment Terms			
Palo	Whipple #1	Net 30	Days		
Job Location	Camp Location	Service Date	Due Date		
KS1-01	Great Bend	Jan 26, 2013	2/25/13		

FE TENZED

FEB 0 4 2013

Quantity	Item		Description	Unit Price	Amount
150.00	MAT	Class A	A Common	17.90	2,685.00
3.00	MAT	Gel		23.40	70.20
5.00	MAT	Chlorid	e	64.00	320.00
162.09	SER	Cubic F	Feet	2.48	401.98
192.40	SER	Ton Mil	leage	2.60	500.24
1.00	SER	Surface	9	1,512.25	1,512.25
26.00	SER	Pump 7	Truck Mileage	7.70	200.20
26.00	SER	Light Ve	ehicle Mileage	4.40	114.40
1.00	CEMENTER	Charles	s Elkins		
1.00	CEMENTER	Tim Dic	ckson		
1.00	OPER ASSIST	Alan Ge	enereux		
ALL PRICES AR	ENET, PAYABLE	Ξ	Subtotal		5,804.27
30 DAYS FOLL	OWING DATE OF		Sales Tax		193.74
	2% CHARGED		Total Invoice Amount		5,998.01
	IF ACCOUNT IS (E DISCOUNT OF		Payment/Credit Applied		
\$ 145	7.06		TOTAL		5,998.01



ALLIED OIL & GAS SERVICES, LLC 059280 Federal Tax 1.D.# 20-5975804

DLD OR (EW) Circle one) $1 \cdot 0$ <	REMIT TO P.O. SOU	BOX 9399 THLAKE, 1			Tax I.E	1. # 20 - 5975804		SERV	VICE POINT: Gozat B	und, KS
EASE WA has a weak of the start of the	DATE 1-26-13	SEC.	TWP. 205	RANGE						
DLD OR (ENVCITCLE one) $1 \cdot 0$ <t< td=""><td></td><td></td><td></td><td>Leizh Win J.</td><td>1.52</td><td>wto bord W</td><td>CHM.SW</td><td>1243</td><td>COUNTY</td><td>STATE</td></t<>				Leizh Win J.	1.52	wto bord W	CHM.SW	1243	COUNTY	STATE
CONTRACTOR $V \neq 1 = 2$ OWNER Palemine Patholism Patholism CVPE OF JOB Serface Casino TD. 12144 CEMENT ASINO SIZE 35% 2.4 ^{abb} DEPTH 2.12.151 ADUNT ORDERED 150.57 ^{abble} 4.12.156 ADUNT ORDERED 150.57 ^{abble} 4.12.156 PREMENT LEFT IN CSC. 20 fs. 1.21.241.75 COMMON / 50 (7.70) 2.485.7 COMMON JEENENT LEFT IN CSC. 20 fs. 1.21.241.75 GEL (7.70) 2.485.7 CHLORIDE Serface $(2.7,70)$ 2.485.7 (7.70) 2.685.7 COMMON JEENENT LEFT IN CSC. 20 fs. 1.21.241.75 Serface $(2.49.0^{abble} 4.16, 4.10)^{abble} 4.16, 4.100^{abble} 4$			<u> </u>	LUCATION 13Ca	TIDA	(934)			,	105
CYPE OF JOB Surface Cosing TD. 124/44 CEMENT TD. 124/44 ASING SIZE $\frac{1}{2}$ u ² DEPTH 242 ft AMOUNT ORDERED $\frac{150st}{44}$ $\frac{346c_{acl}}{4266c_{al}}$ CEMENT AMOUNT ORDERED $\frac{150st}{44}$ $\frac{436c_{acl}}{4266c_{al}}$ STRES. MAX MINIMUM COMMON ISS COMMON ISS CEMENT AMOUNT ORDERED $\frac{150st}{44}$ $\frac{436c_{acl}}{32c_{acl}}$ STRES. MAX MINIMUM COMMON ISS COMMON ISS CHORINE Shot Joint 2a ft CHORINE Shot Joint 2a ft CHORINE Shot Joint 2a ft BULK TRUCK CEMENTER CLasts E 181st Frest Max BULK TRUCK CEMENTER CLasts E 181st BULK TRUCK SERVICE	CONTRACTOR	1/012	,			OWNER P	lowing	Per	1.	ť
ASING SIZE $\frac{5}{2}$ 2.4 ²⁰ DEPTH 2.12.15 ³ AMOUNT ORDERED $\frac{15057}{7.52}$ $\frac{12066z}{7.50}$ NRLL PIPE DEPTH $\frac{12066z}{7.50}$ $\frac{12057}{7.50}$ $\frac{2.685}{7.50}$ NRLL PIPE DEPTH $\frac{12066z}{7.50}$ $\frac{12057}{7.50}$ $\frac{2.685}{7.50}$ DEPLACEMENT ISSC. 2059, 1.32141, 5/357 GEL $\frac{326.6}{7.50}$ $\frac{70.20}{322.50}$ $\frac{2.685}{7.50}$ DISPLACEMENT ISSC. 2059, 1.32141, 5/357 GEL $\frac{326.6}{7.50}$ $\frac{2.685}{7.50}$ $\frac{70.20}{70.20}$ DISPLACEMENT ISSC. 2059, 1.32141, 5/357 GEL $\frac{326.6}{7.70}$ $\frac{2.685}{7.50}$ $\frac{2.685}{7.50}$ PUMP TRUCK CEMENT ECTUCK EQUIPMENT $\frac{6}{9.50}$ $\frac{2.79}{70.20}$ $\frac{2.665}{7.50}$ BULK TRUCK REMARKS: $\frac{6}{9.500.5}$ $\frac{6}{9.770}$ $\frac{2.60}{7.70}$ $\frac{2.60}{7$	TYPE OF JOB 5	urface "	Cestra							
CASING SIZE $\frac{5}{2}$, $\frac{1}{2}$, $\frac{1}{2}$ DEPTH 12121 AMOUNT ORDERED $\frac{1}{2}$,	HOLE SIZE 12.1/4	1				CEMENT			() +1	
DRILIPPE DEPTH IOOL States TAX MINIMUM MINIMUM WEAS.LINE SHOE JOINT 20 EV DEPTH GEL DEPTH GEL EQUIPMENT $@$ PUMP TRUCK CEMENT EC (Lay Lis E 181% / # 366 HEURER TIA $@$ Cases? BUUK TRUCK $@$ # 366 HELPER TIA BUUK TRUCK $@$ # 366 HELPER TIA BUUK TRUCK $@$ # 366 HELPER TIA BUUK TRUCK $@$ # 366 HENDER T States TARUCK $@$ # 366 HENDER T States Tarus 1505x Disblace with 150bls Fresh Water Bulk Tresh Water 1505x Disblace with 150bls Strest 2 Change States 1502x Disblace with 150bl	CASING SIZE \$5	18" Z4=	≁ DE	PTH 212 51			RDERED	305	1 A 1 320	Gacl
COL DEPTH PRES. MAX MINIMUM WRAS, LINE SHOE DOINT 20 64 PERFS. SHOE DOINT 20 64 DEMENT LEFT IN CSG. 20 64, L1232541, 51354 GEL \exists ($d \leq d \leq$						+2%Gel				
PRES. MAX MINIMUM COMMON ISO $e_17.90$ 2.685 DEMENT LEFT IN CSG. 20.64 , $I.222.64$, $J.32.24$,										
MEAS_LINE SHOE JOINT 26 54 POZMIX @ 70.20 CEMENT LEFT IN CSG. 20 55, L2 254, 53, 27 GEL \Im 623. YØ 70.20 DISPLACEMENT 13, bbls Fresh, Waster GEL \Im 623. YØ 70.20 DISPLACEMENT 13, bbls Fresh, Waster GEL \Im 623. YØ 70.20 DISPLACEMENT 13, bbls Fresh, Waster GEL \Im 623. YØ 70.20 BUUK TRUCK @ GEL \Im 624. °° 320. ° # 366 HELPERT 1.a. 0 ic \$50^{AL} Image: Comparison of the following of the followi						COMMON	150		0 17 90	7.685.
CEMENT LEFT IN CSG. 20 15 1.2 25/1 / 5.3 st GEL $\overline{3}$ $\overline{2}$ 3.3 % $\overline{7}$					1		700			2.000
ERFS. CHLORIDE \bigcirc		NCSG 2			Ĭ		3			70.20
DISPLACEMENT 13 blis Frech Water EQUIPMENT EQUIPMENT PUMP TRUCK CEMENTER C(arlis E1R/ms / # 366 HELPER [1 a 0 c 550^{1} / BULK TRUCK # 366 HELPER [1 a 0 c 550^{1} / BULK TRUCK # 366 HELPER [1 a 0 c 550^{1} / BULK TRUCK # DRIVER Alan Generety 3 BULK TRUCK # DRIVER HANDLING 162.67 @ 2.48 407.23 MILEAGE $7.4 \times 26 \times 3.60$ 500.3 TOTAL 3.977 ? 191 h 13 bbis Fresh Water Displace with 13 bbis Fresh Water Displace with 13 bbis Fresh Water Displace with 13 bbis Fresh Water TOTAL 3.977 ? $191 h 250 \times 300.3$ REMARKS: 150 services $150 set$ $150 setDEPTH OF JOB 22.2PUMP TRUCK CHARGE 572.35EXTRA FOOTAGEEXTRA FOOTAGECHARGE TO: Palomiao PetroleumSTREETCITY$		Ν C30. ζ	0 57 1.1.1	2331 31351			<u> </u>		@ (.4,00	320.0
EQUIPMENT Image: Constraint of the second seco		F 13 6614	Firch	Vinter		-				
PUMP TRUCK CEMENTER $\leq larliss \in I[l^{h_{S}}]$ # 366 HELPER [la 0 is son 1 # 341 DRIVER $dlan feenered S$ # DULK TRUCK @ # DRIVER HANDLING $l62.07$ # DRIVER Fresh Wader Isseed as bis cease of the la trip of the la										
PUMPTRUCK CEMENTER $\zeta La_{x} Lis E I (las f)$ # 366 HELPER f in Dickspn BULK TRUCK BERVICE BERVICE		EQU	JERIVIENI						<u>A</u>	
PUMP TRUCK CEMENTER CLASSISS ETTER: $#$ 366 HELPER Tin. Dickson. $#$ 366 HELPER Tin. Dickson. $#$ 366 DRIVER Alan Generey. $#$ DRIVER $@$ <				1 2 1/1						
SULK TRUCK \Im DRIVER $4lan 6 a n \sigma = 4\chi$ \Im BULK TRUCK \bigcirc \bigcirc \Im DRIVER \square DRIVER \square DRIVER HANDLING $Jb2.5cp$ \bigcirc \bigcirc REMARKS: \square \bigcirc $Purf 36bb caresut 150sx \square fresh Water Dislace with Jbs Fresh Water 150sx \square fresh Vater [added Sbb, 21st Caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface [added Sbb, 21st Caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface [added Sbb, 21st Caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface [added Sbb, 21st Caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface [added Sbb, 21st Caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface Purf 36bb caresut to Surface Purf 3775 2aco 32b caresut to Surface Purf 36bb caresut to Surface Purf 36b caresut to Surface Purf 3775 2aco 32b caresu$	· · · ·	CEMENT	$ER \underline{CAA}$	King Elking						
# 341 DRIVER Alan $benereqx$ 0 BULK TRUCK 0 0 # DRIVER 1505x Plued & 5105 centrice 0 0 DIsplace.urlth 1505x 0 Olsplace.urlth 1505x 0 DIsplace.urlth 1505x 0 DIsplace.urlth 1505x 0 Olsplace.urlth 1505x 0 DIsplace.urlth 1505x 0 DRUMP TRUCK CHARGE <td></td> <td>HELPER</td> <td>112 110</td> <td>25501</td> <td></td> <td></td> <td></td> <td></td> <td>@</td> <td>-</td>		HELPER	112 110	25501					@	-
BULK TRUCK Image: DRIVER Image: DRIVER <td></td> <td>001050</td> <td>Alan (</td> <td>- to advarded</td> <td>2</td> <td></td> <td></td> <td></td> <td>@</td> <td></td>		001050	Alan (- to advarded	2				@	
# DRIVER REMARKS: HANDLING $1/62.07$ 2.4% $70/7.250$ Remarks: TOTAL 3.977 Purf 36 bb Coverent 1505x Makes TOTAL 3.977 Disflace with 18 bb S Fresh Water SERVICE Depth of JOB 22.2 Christ 18 bb Coverent is 2660 Surface Mileage $7.94 \times 26\%$ SERVICE Disflace with 18 bb S Fresh Water Depth of JOB 22.2 PUMP TRUCK CHARGE 572.25 Christ 18 bb Coverent is 2660 7.70 260.25 7.70 260.25 Christ 18 bb Coverent is 2560.12125 Coverent is 272.25 7.70 260.25 Charge is 27.92×2660 7.70 260.25 7.70 260.25 Mileage is 1200 800.25 800.25 7.70 260.25 Manifold $9.500.25$ 7.700 200.25 7.700 200.25 Mileage is 1000.25 800.25 $9.900.25$ $7.700.200.25$ $7.700.200.25$ Charge is 1000.25 $7.700.200.25$ $7.700.200.25$ $7.700.200.25$ $7.700.200.25$ Charge is 10000.25 10000.25 <		DRIVER	Alan G	energy						
REMARKS: Remark 51bls Fresh Water Purf 36bbls Centert 150sx Displace with 13bbls Fresh Water Ledve 2064 1272bt 53er Centert to Surface Chrewlatts 56bls, 21st Centert to Surface Chrewlatts 56bls, 21st Centert to Surface Change To: <u>Palomiae Petroleum</u> STREET CITY STATE ZIP To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. Total Changes State SALES TAX (If Any) <u>193.73</u> TOTAL Changes State SALES TAX (If Any) <u>193.73</u> TOTAL Changes State SALES TAX (If Any) <u>222</u> PLUG & PLOAT EQUIPMENT CHARGE TO: <u>Palomiae Petroleum</u> STREET CITY STATE ZIP To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.		001/69								
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$h_{und} 5 f_{bls} F_{resh} Water 150 sx 192 state 192 to state p_{red} 36 bbl Cement 150 sx 150 sx 192 state 192 to state le buc 2 oft [127bbl] 5 is coment in cossing Depth of Job 22 z Depth of Job 22 z le buc 2 oft [127bbl] 5 is coment in cossing Depth of Job 22 z Depth of Job 22 z le buc 2 oft [127bbl] 5 is coment in cossing Depth of Job 22 z Depth of Job 22 z Mileade 2 is 6 bls, 21 sr Cement in cossing Mark for a cossing Depth of Job 22 z Depth of Job 22 z Mileade 2 is 6 bls, 21 sr Cement in cossing Mark for a cossing Depth of Job 22 z Depth of Job 22 z Mileade i state cossing Mark for a cossing Mark for a cossing Depth of Job 22 z Depth of Job 22 cossing Depth of Job 20 cossing Depth of Job 22 cossing Depth of Job Depth of Job Depth of Job Depth of Job Depth of Job$						MILEAGE	1.4 4 20	\$X	2.60	500.2
Displace with 18 bits Fresh Water Istrace with 18 bits Isted Istrace Istree Istrace with 18 bi		RE	MARKS:				1.		TOTA	3.977.
Drad 36 bits Contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. SURVICE Survices SURVICE Survices SURVICE Survices SURVICE Depth of Job 22.2. Chrace with 18 bits Fresh Water Depth of Job Letter 2064 [1272bit], 5:3 rt Centration of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. Depth of Job Survices Survices Survices Depth of Job 22.2. PUMP TRUCK CHARGE 1572.35 Depth of Job 22.2. PUMP TRUCK CHARGE 1572.35 Willeage 9000 Fuel of the Starfactor Manifold 9000 Fuel of the Starfactor Survices 9000 Fuel of the Starfactor Survices 9000 Fuel of the Starfactor Survices 7.70	Puma 5 las Fr	esh Wa	ter			10	2.40			
Displace w 14 13 bb)s Fresh Water Ledue 20 fb 1.272bn1, 53 ext Commend in Costing Circuilate's 56bis, 21st Commend in Surface DEPTH OF JOB 22.2 DUMP TRUCK CHARGE 57.70 Zoo. Z MANIFOLD @ MANIFOLD @ MANIFOLD @ STREET @ CITY STATE STREET ZIP PLUG & FLOAT EQUIPMENT @ @ @ @ Citry STATE STREET ZIP PLUG & FLOAT EQUIPMENT @ @ @ @ Git of down 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.				1505×	·	[1]	/1.	SERV	ICE	
I = duc 20 ft 1, 172691, 53 cr Cemeral 1 r. Cessing DEPTH OF JOB 22.2. Chrewlade 5 6 hts, 21st Cemeral 4 o Sucface PUMP TRUCK CHARGE 1572.35 EXTRA FOOTAGE @ MANIFOLD @ Kow 26 @ 7.70 Zore face MANIFOLD WILEAGE J.572.35 MANIFOLD @ Kow 26 @ 7.70 MANIFOLD @ Kow 26 @ 7.70 Kow 26 @ 7.70 MANIFOLD @ Kow 26 @ 7.70 Kow 26 @ 7.70 Kow 26 @ 7.70 MANIFOLD @ Kow 26 @ 7.70 Kow 26 @ 7.70 Kow 26 @ 7.70 Kow 200 Weight 200 Kow 200 Kow <t< td=""><td>Olsplace wit</td><td>4 13 661</td><td>s Fress</td><td>Water</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Olsplace wit	4 13 661	s Fress	Water						
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CHARGE TO: Palomino Petroleum STREET @ CITY STATE STATE STATE CITY STATE STATE STATE CITY STATE States States SALES States States States <td></td>										
CHARGE TO: <u>Palomino Petroleum</u> STREET						MILEAGE	Hum	26	@ <u>_7,70</u>	200.20
CHARGE TO: <u>Palomino Petroleum</u> STREET									@	
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STREET									@	
CITYSTATEZIPPLUG & FLOAT EQUIPMENT To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES 5: SAY = 27 TOTAL CHARGES 5: SAY = 27	CHARGE TO:	alomin	o Petrol	eum						
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To: Allied Oil & Gas Services, LLC. 							PLUG &	FLOP	1 EQUIPME	14 I
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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. TOTAL CHARGES $\sqrt{5}$ $80.47 - \frac{27}{2}$									@	
contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. $SALES TAX (If Any) = \frac{193.73}{5.804} = \frac{27}{2}$	contractor to do	work as i	s listed.	The above work	was					
TERMS AND CONDITIONS" listed on the reverse side. SALES TAX (If Any) $\frac{27}{27}$										
TERMS AND CONDITIONS" listed on the reverse side. SALES TAX (IF Any) PRINTED NAME Josh Martin DISCOUNT IF PAID IN 30 DA SIGNATURE JAMA	contractor. I ha	ve read an	d underst	and the "GENE	RAL	011 20 213	C 17 C 4	- 19	3.73	
PRINTED NAME Josh Martin TOTAL CHARGES 5.804 DISCOUNT 1.451.96 J. 451.96 J. 455	TERMS AND (CONDITIO	ONS" liste	ed on the reverse	e side.	SALESTAX	(II Any)_		. 27	
PRINTED NAME Josh Martin DISCOUNT 1. 451. 55 IE PAID IN 30 D. SIGNATURE DIME						TOTAL CH	ARGES	3.80	<u> <u> </u></u>	
SIGNATURE		- 1-	L N	lant'a		Diacom	. 1	. 45	1.00	10 1X1 20 P
SIGNATURE	PRINTED NAM	E	n_/'			DISCOUNT				ALD IN 30 DA
/	SIGNATURE	QL	M	-			4	. 35	53.20	-
		/								



DRILL STEM TEST REPORT

Prepared For:

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Palomino Petroleum

4924 SE 84th St Newton, KS 67114

ATTN: Ryan Seib

Whipple #1

1-20s-26w Ness,KS

 Start Date:
 2013.02.02 @ 06:24:31

 End Date:
 2013.02.02 @ 13:48:01

 Job Ticket #:
 51329
 DST #: 2

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

Printed: 2013.02.07 @ 11:23:45

	DRILL STEM T	EST REP	ORI				
RILOBITE	Palomino Petroleum		1-2	20s-26w	Ness,KS		
ESTING , I	VC. 4924 SE 84th St New ton, KS 67114			nipple #		DST#:	2
	ATTN: Ryan Seib				013.02.02 @		-
GENERAL INFORMATION:							
Formation:MissDeviated:NoWhipstocTime Tool Opened:08:51:31Time Test Ended:13:48:01	k: ft (KB)		Tes	ster:	Convention Brandon Tu 60	al Bottom Ho Irley	ole (Reset
	4579.00 ft (KB) (TVD)		Ref	erence E	evations:) ft (KB)
Total Depth:4579.00 ft (KB)Hole Diameter:7.88 inches	(TVD) Hole Condition: Good			KB	to GR/CF:	2554.00 10.00) ft (CF)) ft
Serial #: 8373InsidePress@RunDepth:52.15 psStart Date:2013.02.0Start Time:06:24:3	D2 End Date:	2013.02.02 13:48:00	Capacity Last Cai Time On Time Off	ib.: Btm:		8000.00 2013.02.02 @ 08:50:01 @ 11:55:31	2 I
TEST COMMENT: IF: 1/4" blow IS: No return. FF: Surface I FS: No return	blow built to 4"						
IS: No return. FF: Surface I	blow built to 4"	Time			RE SUMM		
IS: No return. FF: Surface I FS: No return Pressure	blow built to 4" vs. Time	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotati	ion	
IS: No return. FF: Surface I FS: No return Pressure	blow built to 4" vs. Time	(Min.) - 110 0 2	Pressure (psig) 2264.21 20.63	Temp (deg F) 110.41 109.87	Annotati Initial Hydi Open To I	ion ro-static Flow (1)	
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RILOBITE	DRILL STEM T	EST REPO	DRT		
	Palomino Petroleum		1-20s-26w	Ness,KS	
TESTING, IN			Whipple #	#1	
	New ton, KS 67114		Job Ticket: 5		DST#:2
	ATTN: Ryan Seib		Test Start: 2	.013.02.02 @	00.24.31
GENERAL INFORMATION:					
Formation:MissDeviated:NoWhipstockTime Tool Opened:08:51:31Time Test Ended:13:48:01	: ft (KB)		Tester:	Conventiona Brandon Tur 60	l Bottom Hole (Rese ley
Interval: 4509.00 ft (KB) To Total Depth: 4579.00 ft (KB)	4579.00 ft (KB) (TVD) (TVD)		Reference E	levations:	2564.00 ft (KB) 2554.00 ft (CF)
	ole Condition: Good		KB	to GR/CF:	10.00 ft
Serial #: 8356OutsidePress@RunDepth:psiStart Date:2013.02.0Start Time:06:24:3		2013.02.02 13:48:02	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.02.02
TEST COMMENT: IF: 1/4" blow th IS: No return. FF: Surface b FS: No return. Pressure v	ow built to 4"	IF 120 Time	PRESSU Pressure Temp	RE SUMM	
IS: No return. FF: Surface b FS: No return. Pressure v	ow built to 4" 5. Time	- 110 - 100		Annotatio	
IS: No return. FF: Surface b FS: No return.	ow built to 4"	- 110 - 100 	Pressure Temp	Annotatio	
IS: No return. FF: Surface b FS: No return.	s. Time	(Min.) - 110 - 700 - 80 Temperature (deg F) - 80 - 70	Pressure Temp (psig) (deg F)	Annotatio	
IS: No return. FF: Surface b FS: No return.	ow built to 4"	(Min.) - 110 - 700 - 80 Temperature (deg F) - 80 - 70	Pressure Temp (psig) (deg F)	Annotatic as Rates	
IS: No return. FF: Surface b FS: No return.	ow built to 4"	(Min.) - 110 - 700 - 80 Temperature (deg F) - 80 - 70	Pressure Temp (psig) (deg F)	Annotatic as Rates	n
IS: No return. FF: Surface b FS: No return.	ow built to 4" s. Time coo Temperature orgon terms terms v V Volume (bbl) m 0.91	(Min.) - 110 - 700 - 80 Temperature (deg F) - 80 - 70	Pressure Temp (psig) (deg F)	Annotatic as Rates	n
IS: No return. FF: Surface b FS: No return.	ow built to 4" s. Time coo Temperature orgon terms terms v V Volume (bbl) m 0.91	(Min.) - 110 - 700 - 80 Temperature (deg F) - 80 - 70	Pressure Temp (psig) (deg F)	Annotatic as Rates	n

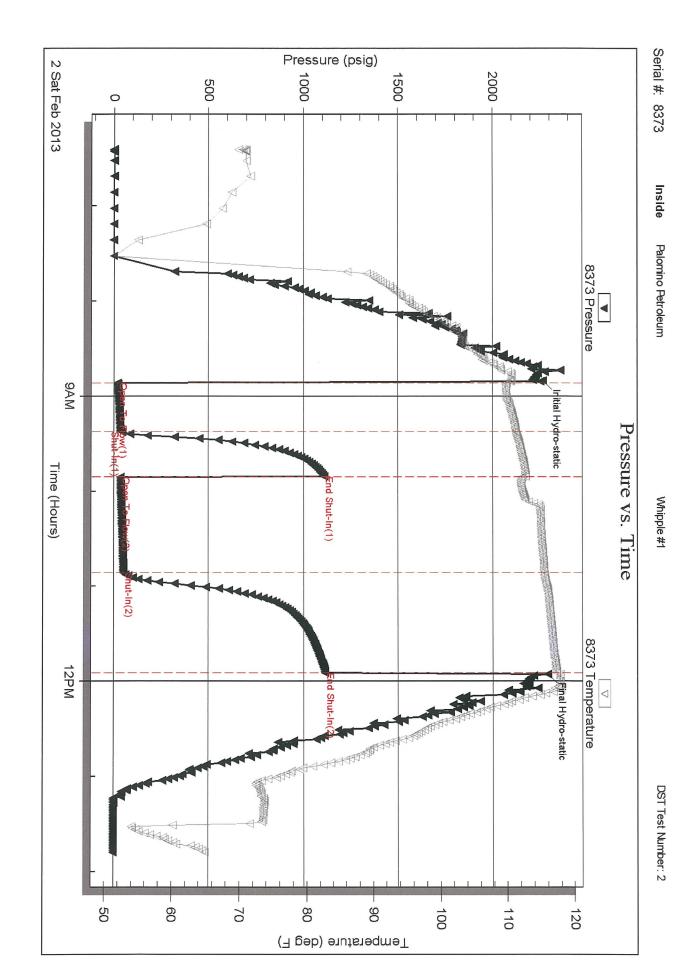
		DRI	LL STE	M TEST	REPO	RT	TOOL DIAGR
RILOE	511E	Palomin	o Petroleum			1-20s-26w Ness,K	(S
EST	TING , INC	4924 S	E 84th St			Whipple #1	
		New tor	n, KS 67114			Job Ticket: 51329	DST#: 2
		ATTN:	Ryan Seib			Test Start: 2013.02.0	02 @ 06:24:31
Tool Information							
Drill Pipe: Length:	4512.00 ft	Diameter:	3.88 in	nches Volume:	: 65.98 bb	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:		Diameter:		nches Volume:		•	
Drill Collar: Length:	0.00 ft	Diameter:	2.25 in	nches Volume:			
Drill Pipe Above KB:	31.00 ft			Total Volume:	: 65.98 bb		0.00 ft
Depth to Top Packer:	4509.00 ft					String Weight: Initi Fin	
Depth to Bottom Packer:	ft					[~ 11 h	
Interval between Packers:	70.00 ft						
Tool Length:	98.00 ft						
=	0	D :	075				
Number of Packers: Tool Comments:	2	Diameter:			Donth (ft)	Acoum Longthe	
Number of Packers: Tool Comments: Tool Description		ngth (ft)		Position		Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Stubb		ngth (ft) 1.00			4482.00	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool		ngth (ft) 1.00 5.00			4482.00 4487.00	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool		ngth (ft) 1.00 5.00 5.00			4482.00 4487.00 4492.00	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars		ngth (ft) 1.00 5.00 5.00 5.00			4482.00 4487.00 4492.00 4497.00	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint		ngth (ft) 1.00 5.00 5.00 5.00 3.00			4482.00 4487.00 4492.00 4497.00 4500.00		
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer		ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00			4482.00 4487.00 4492.00 4497.00 4500.00 4505.00	Accum. Lengths	Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00 4.00			4482.00 4487.00 4492.00 4497.00 4500.00 4505.00 4509.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00	Serial No.	Position	4482.00 4487.00 4492.00 4497.00 4500.00 4505.00 4509.00 4510.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00	Serial No. 8373	Position	4482.00 4487.00 4492.00 4497.00 4500.00 4505.00 4509.00 4510.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00	Serial No.	Position	4482.00 4487.00 4492.00 4497.00 4500.00 4505.00 4509.00 4510.00 4510.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 1.00	Serial No. 8373	Position	4482.00 4487.00 4492.00 4497.00 4500.00 4505.00 4509.00 4510.00 4510.00 4511.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 1.00 1.00	Serial No. 8373	Position	4482.00 4487.00 4492.00 4497.00 4505.00 4505.00 4509.00 4510.00 4510.00 4510.00 4511.00 4512.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 1.00 1.00 61.00	Serial No. 8373	Position	4482.00 4487.00 4492.00 4497.00 4500.00 4505.00 4509.00 4510.00 4510.00 4510.00 4511.00 4512.00 4573.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 1.00 1.00 61.00 1.00	Serial No. 8373	Position	4482.00 4487.00 4497.00 4500.00 4505.00 4509.00 4510.00 4510.00 4510.00 4511.00 4512.00 4573.00 4574.00	28.00	
Number of Packers: Tool Comments: Tool Description Stubb Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe	Le	ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 1.00 1.00 61.00	Serial No. 8373	Position	4482.00 4487.00 4492.00 4497.00 4500.00 4505.00 4509.00 4510.00 4510.00 4510.00 4511.00 4512.00 4573.00		Bottom Of Top Pack

AT IN T		DRII	LL STEM TEST F	REPORT	-		FLUID	SUMMAF
	RILOBITE	Palomin	o Petroleum		1-20s-26w	Ness,KS		
	ESTING , INC.		E84th St		Whipple	#1		
		New ton	n, KS 67114		Job Ticket:	51329	DST#:2	2
		ATTN:	Ryan Seib		Test Start: 2	2013.02.02 @ (06:24:31	
Mud and Cus	shion Information							
• •	l Chem		Cushion Type:			Oil API:		0 deg AF
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity	:	0 ppm
Viscosity:	45.00 sec/qt		Cushion Volume:		bbl			
Water Loss:	7.98 in ³		Gas Cushion Type:					
Resistivity:	0.00 ohm.m		Gas Cushion Pressure	ə:	psig			
Salinity: Filter Cake:	4500.00 ppm 1.00 inches							
Recovery Inf	ormation					<u></u>		
-			Recovery Table					
	Lengt ft	th	Description		Volume bbl			
		62.00	ocw m 5%o 5%w 90%m		0.90	7		
			oil 100%o		0.14			
	Total Length:	72.	00 ft Total Volume:	1.053 bbl				
	Num Fluid Sampl	les: 0	Num Gas Bombs:	0	Serial #	#:		
	Num Fluid Sampl Laboratory Nam		Num Gas Bombs: Laboratory Locatio		Serial ‡	<i>t</i> :		
		ne:			Serial #	<i>t</i> :		
	Laboratory Nam	ne:			Serial ‡	<i>t</i> :		
	Laboratory Nam	ne:			Serial ‡	<i>t</i> :		
	Laboratory Nam	ne:			Serial ‡	<i>t</i> :		
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Ref. No: 51329

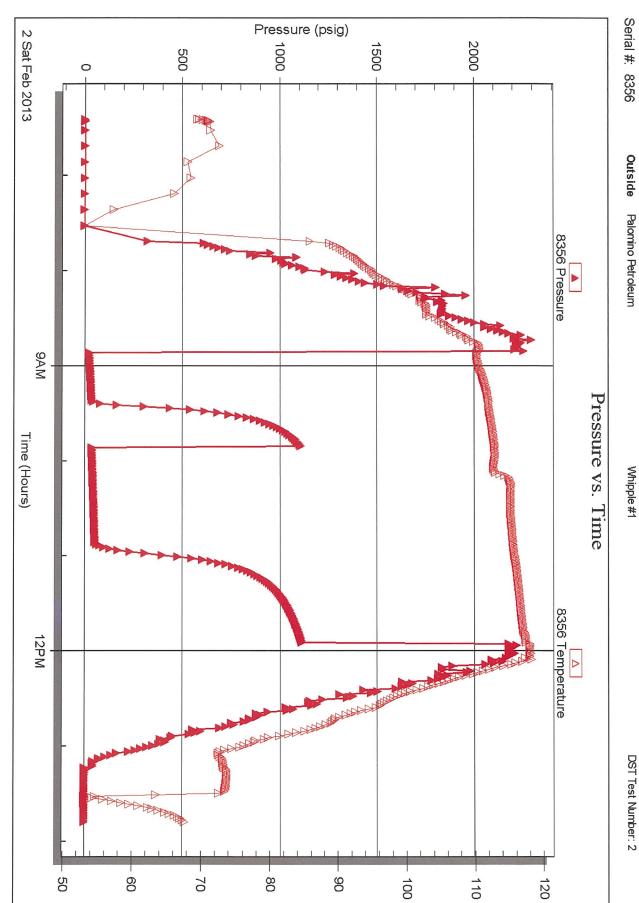
Trilobite Testing, Inc





Ref. No: 51329

Trilobite Testing, Inc



Temperature (deg F)

Outside Palomino Petroleum

A/10 RILOBITE ESTING 1515 Commerce P		Test NO.	51328
Address <u>4924</u> SE 84 Co. Rep / Geo. Rygn 50 Location: Sec. Twp. 2 Interval Tested <u>4509</u> Anchor Length <u>43</u> Top Packer Depth <u>43</u>	$\begin{array}{c} c+rolc4m \\ c+rolc4m \\ c+h \\ s+ \\ Newton \\ c-h \\$	U9/# NeSS 1:55 517 ppm System	
Rec Feet of Rec Feet of Rec Total 72 BHT 12 (A) Initial Hydrostatic 2261 (B) First Initial Flow 18 (C) First Final Flow 32 (D) Initial Shut-In 1057 (E) Second Initial Flow 33	ZO Gravity API RW D Test 1250 D Jars 250 D Safety Joint 75 D Circ Sub // Hourly Standby	T-On Lo T-Starte T-Open T-Pulleo T-Out	20:27
 (F) Second Final Flow <u>48</u> (G) Final Shut-In <u>1138</u> (H) Final Hydrostatic <u>2221</u> Initial Open <u>30</u> Initial Shut-In <u>30</u> Final Flow <u>60</u> Final Shut-In <u>60</u> 	Mileage <u>120 - 186</u> Sampler Straddle Shale Packer Extra Packer Extra Recorder Day Standby Accessibility Sub Total1761 Our Repres	Rui Rui Ext Sub To Total MP/DS	ned Shale Packer ned Packer ra Copies tal0 1761 ST Disc't

Approved By ____

Trilobite 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.

AILOBITE FRILOBITE ESTING INC 1515 Commerce Parkwa	ay ∙ Hays, Kansas 67601		Ticket 51329	
	#/Test No. p/eumElevation	2564	_{Date} <u>2-2-13</u> кв <u>2554</u>	GL
Address Co. Rep / Geo <i>Rygn Seir</i> Location: Sec Twp <i>2.0</i>		V91 #; Vess	State KS	
Interval Tested4509451Anchor Length70Top Packer Depth456Bottom Packer Depth450Total Depth457Blow DescriptionIF! 14 blowIf S!NoNorefurr	Drill Pipe Run 451 Drill Collars Run $-$ Wt. Pipe Run $-$ Chlorides 4500 64.111 ± 0.3	2 M V	ud Wt. <u>9,3</u> is <u>45</u> /L <u>8.0</u> CM <u>0</u>	
F5: No return Rec 10 Feet of 0,1	%gas	5	C 0-	%mud
Rec 6Z Feet of <u>ocwm</u> Rec Feet of	%gas %gas	<u> </u>		%mud %mud
Rec Feet of				%mud
Rec Feet of Rec Total 72 BHT (A) Initial Hydrostatic 72 64	%gas %gas Gravity API RW	%oil	%water •	%mud %mud ppm
(B) First Initial Flow ZO (C) First Final Flow 35 (D) Initial Shut-In 1166 (E) Second Initial Flow 36 (F) Second Final Flow 5Z (G) Final Shut-In 11111 (H) Final Hydrostatic ZZ89 Initial Open 30 Initial Shut-In 50 Final Flow 60	 Jars 250 Safety Joint 75 Circ Sub <u>N/C</u> Hourly Standby <u></u> Mileage <u>120 - x2</u> Sampler <u></u> Straddle <u></u> Shale Packer <u></u> Extra Packer <u></u> Extra Recorder <u></u> Day Standby <u></u> 	T-Out Commen 372 Ruine Ruine Extra Sub Total Total	8:50 11:50 13:56 ts ed Shale Packer ed Packer copies 0 1947	
Approved By	Sub Total 1947 Our Representati	Ve	A	

Trilobite 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, hrough 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.