

C	onfiden	tiality	/ Requested	:
	Yes	N	10	

Kansas Corporation Commission Oil & Gas Conservation Division

1199209

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:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.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:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Operator: Well Name: Original Comp. Date: Original Total Depth:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.
□ Deepening □ Re-perf. □ Conv. to ENHR □ Conv. to SWD □ Plug Back □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Dual Completion Permit #:	
SWD Permit #: ENHR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. R East West 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



Operator Name:			Lease Name: _			Well #:		
Sec Twp	S. R	East West	County:					
open and closed, flow and flow rates if gas t	ving and shut-in presson surface test, along w	formations penetrated. I ures, whether shut-in pro vith final chart(s). Attach	essure reached stati n extra sheet if more	c level, hydrosta space is neede	itic pressures, bott d.	tom hole tempe	erature, fluid r	recovery,
		otain Geophysical Data a or newer AND an image		egs must be ema	ailed to kcc-well-lo	gs@kcc.ks.gov	 Digital elec 	tronic log
Drill Stem Tests Taken (Attach Additional	•	Yes No		_	on (Top), Depth ar		Samp	
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	e		Тор	Datur	m
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
		CASING	RECORD Ne	ew Used				
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and P Additiv	
		ADDITIONAL	OFMENTING / OOL					
Purpose:	Depth		CEMENTING / SQL	JEEZE RECORD		araant Additiraa		
Perforate	Top Bottom	Type of Cement	# Sacks Used		Type and F	ercent Additives		
Protect Casing Plug Back TD								
Plug Off Zone								
Did vou perform a hydra	ulic fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 ar	nd 3)	
	=	raulic fracturing treatment ex	xceed 350,000 gallons		= ' '	p question 3)	,	
Was the hydraulic fractu	ring treatment information	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cement			Depth
	Сроспу Г	octago of Laon morvar i or	ioratou	(>1	mount and rand or ma	teriar Goda)		Борит
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or EN				21			
Fotimeted Day 1 . C	0" -	Flowing			Other (Explain)) O" D "		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	Gas-Oil Ratio	Gr 	ravity
DISPOSITI	ON OF GAS:	1	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:	
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled			
	bmit ACO-18.)	Other (Specify)	(Submit)	ACO-5) (Sub	omit ACO-4)			

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Coombs-Williamson 1
Doc ID	1199209

Tops

Name	Тор	Datum			
Anhy.	1616	(+ 722)			
Base Anhy.	1655	(+ 683)			
Heebner	3689	(-1351)			
Lansing	3732	(-1394)			
Stark Shale	4003	(-1665)			
ВКС	4030	(-1692)			
Ft. Scott	4229	(-1891)			
Cherokee Sh.	4252	(-1914)			
Miss. Dol.	4338	(-2000)			
LTD	4462	(-2124)			





P. O. Box 466 Ness City, KS 67560 Off: 785-798-2300



Invoice

DATE	INVOICE#
2/21/2014	25823

BILL TO

Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	lo.	Lease	County	Contractor	Wel	I Туре	Well Category		Job Purpose	Operator
Net 30	#1		Coomhs-Will	Ness	Cheyenne Well Se	(Oil	D	evelopment	Cement Port Col	lar Wayne
PRICE	REF.			DESCRIPT	ION		QT	Y	UM	UNIT PRICE	AMOUNT
575D 576D-D 105 330 276 290 581D 582D		Pum Port Swi Floo D-A Serv Min		tal With Man Standard (MID ent Charge	CON II)			1 1 140 50 2	Miles Job Each Sacks Lb(s) Gallon(s) Sacks Each	6.00 1,500.00 350.00 18.50 2.50 42.00 2.00 250.00	90.00 1,500.00 350.00T 2,590.00T 125.00T 84.00T 400.00 250.00 5,389.00 193.66
and communication and the state of the state											

We Appreciate Your Business!

Total

\$5,582.66



ADDRESS
CITY STATE 7/P CODE

TICKET 25823

X Elem Windle	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions	582	(8)	290	スつも	330	100		ヘゴテン	548	PRICE SECONDARY REFERENCE/	REFERRAL LOCATION INV	4.	3. WE	2. TIC	1. NESS GAY, KS	vices, I	
TIME SIGNED 15 AM.	ER'S AGENT PRIOR TO	acknowledges and agrees rse side hereof which includ										FERENCE/ ACCOUNTING	INVOICE INSTRUCTIONS	77	CHEYSTA		WELL/PROJECT NO.		CITY, STATE, ZIP CODE
NESS CITY, KS 67560	P.O. BOX 466	REMIT PAYMENT TO:	MENDAMA DRAYAGE	SERVICE CHARGE CEMPOT	D. ADD	FLOCELE	SWEFT MUTT- DELEGY STANDARD	LOKY CHAMPO LOCK	D. C. S. ORTING	PUMP CLYDGE	MILEAGE " IS	NG DESCRIPTION		MEST	WELL SEAVICE JOB PURPOSE	RIG NAME/NO.	COMPE WILLIAMS NESS		, ZIP CODE
SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? If yes In No	PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB	SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS?	19950 (BS 149.63) m	200 SES	2/600	Soluss	140 Sus	400			7	QTY. UMM QTY. UMM		25	WELL PERMIT NO. WELL	D DELIVERED TO			WITH THE THE PROPERTY AND ADDRESS ASSESSMENT
\$c 170	7000 S 102	PAGE TOTAL \$389 00	250 00 250 00	200 40000	H2 00 84 00	2150 125 00	18 50 2590 00	00000	240	15000 1500 00	90 00	PRICE AMOUNT	minora primino sepulativam mini a sentrati marenin mystas substitutura menera sentra ministratura sentrati de interne den primino de ministratura de ministrat	W/NESS Car, Ks	WELL LOCATION	ORDER NO.	-21-14	TOWNIED	PAGE OF

SWIFT OPERATOR WAWE WIRSON

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You

APPROVAL

JOB-LOG

SWIFT Services, Inc.

DATE - - N-14 PAGENO

OUSTOMER PALOW	too Pen	0018UM	WELL NO.	i		LEASE COOMHS	- ไม้กก	TAMS CEMENT PORT COURSE 25823
CHART NO.	TIME	RATE (BPM)	VOLUME (BBC)VGAL)	PUR	MPS C	PRESSUR TUBING		DESCRIPTION OF OPERATION AND MATERIALS
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·						CASENG-51/2.		
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P. O. Box 466 Ness City, KS 67560 Off: 785-798-2300



Invoice

DATE	INVOICE#
2/14/2014	26104

BILL TO

Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

We Appreciate Your Business!

RECEIVED

Acidizing

FEB 1 9 2014

Cement

Total

\$13,332.25

• Tool Rental

TERMS	Well N	lo.	Lease	County	Contractor	We	І Туре	W	ell Category	Job Purpose	Operator
Net 30	#1		Cooms-Willi	Ness	WW Drilling Rig		Oil	D	evelopment	5-1/2" LongStri	ng Jason
PRICE	REF.			DESCRIPT	ION		QTY	Y	UM	UNIT PRICE	AMOUNT
575D 578D-L 403-5 404-5 406-5 407-5 409-5 419-5 281 221 276 283 284 285 290 325 330 581D 582D		Pum 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 5 1/2 6	seal R-1 ir idard Cement ft Multi-Density S rice Charge Ceme imum Drayage C	Standard (MIDent harge				1 1 1 1 500 4 60 500 5 50 2.5		6.00 1,500.00 300.00 2,900.00 275.00 375.00 90.00 200.00 1.25 25.00 2.50 0.20 35.00 4.50 42.00 14.50 18.50 2.00 250.00	90.00 1,500.00 600.00T 2,900.00T 275.00T 375.00T 810.00T 200.00T 150.00T 100.00T 175.00T 225.00T 105.00T 1,450.00T 2,312.50T 450.00 250.00

ADDRESS	CHARGE IO:
	ALDMIND
	PETROLEUM

TICKET

-아

	DATE SIGNED HEB 14 TIME SIGNED	START OF WORK OR DELIVERY OF GOODS **TOP WORK OR DELIVERY OF GOODS** **TOP WORK OR D	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include,	22/	238		409	407	406	404	463	578	575	PRICE SECONDARY REFERENCES REFERENCE PART NUMBER	REFERRAL LOCATION INVOI	3. WELL	2. TICKE	SERWICE LOCATIONS.	Services, Inc.	
CUSTOMER ACCEPTANCE OF MA	IGNED AM.	AS AGENI PRIOR 10	ELEASE, INDEMNITY, and	cknowledges and agrees to e side hereof which include,											ACCOUNTING LOC ACCT DF	INVOICE INSTRUCTIONS	r/ we	I SERVICE CONTRACTOR SALES O SALES	WELL/PROJECT NO. LEASE		CITY, STATE, ZIP CODE
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledge	785-798-2300		SWIFT SERVICES, INC.	REMIT PAYMENT TO:	LIBERD KCL	MWD FLUSH	DOINTER HEAD REVIAC	TURBOUTERS	TUSERT FLOAT SHOT WIFIL	LATCH DOWN PLUG & BAFFLE	PORT COLLAR.	CEMENT BASKETS	Pund CTARGE	MILEAGE \$ 1/5	DESCRIPTION			RIG NAMEINO.	COUNTY WILLHAMSON A COUNTY WAYSH		DE
edges receipt of the materials and services listed on this ticket.	ARE YOU SATISHED WITH OUR SERVICE? ☐ YES ☐ NO ☐ CUSTOMER DID NOT WISH TO RESPOND	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY?	SURVEY AGREE DECIDED AGREE OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	 45.7	SW) 400		968	111 /69	R	1 th 1593 FT.	25	/Cas	15 1012	QTY. U/M QTY. U/M		WELL PERMIT NO.	SHIPPED DELIVERED TO VIA	NESS CETY, KS		whentoppe
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SWIFT OPERATOR

APPROVAL

Thank You



TICKET CONTINUATION

No. 20104

PO Box 466

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SWIFT Services, Inc.

DATE 14 FEB 14 PAGE NO.

OSTOMER		TRD LEUR	WELL NO.		LEASE COURS - W				TICKET NO. QLEI OL
HLON CHART	1	7	VOLUME	PUMPS	COUMS-W		ON 1	JOB TYPES SLOWGSTRING	
NO.	TIME	RATE (BPM)	(BBL) (GAL)	T C	TUBING	CASING		DESCRIPTION OF OPERATION AN	D MATERIALS
	<u> </u>	<u>}</u>					000	LOCATION	
	0845	O Charles and American Services (C. C. C			 		STAO	(PIDE- 52-14"	
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CONSOLIDATED Oil Well Services, LLC

REMIT TO

Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

RECEIVED

FEB 1 8 2014 MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

PALOMINO PETROLEUM, INC. 4924 SE 84TH STREET NEWTON KS 67114-8827 () -

918/338-0808

316/322-7022

620/583-7664

COMBS-WILLIAMSON #1 43101 7-18S-24W 02-07-2014 KS

Description Part Number Oty Unit Price Tota 7 CLASS "A" CEMENT (SALE) 165.00 1104S 18.5500 3060.75 CALCIUM CHLORIDE (50#) .9400 1102 465.00 437.10 PREMIUM GEL / BENTONITE 1118B 310.00 .2700 83.70 SODIUM CHLORIDE (GRANULA 1111 100.00 .0000 .00 Sublet Performed Description Total 9996-130 CEMENT MATERIAL DISCOUNT -358.169995-130 CEMENT EOUIPMENT DISCOUNT -171.12Description Hours Unit Price Total CEMENT PUMP (SURFACE) 1.00 1150.00 399 1150.00 EOUIPMENT MILEAGE (ONE WAY) 25.00 399 5.25 131.25 MIN. BULK DELIVERY 1.00 460 430.00 430.00

Amount Due 5513.07 if paid after 03/16/2014

620/839-5269

307/686-4914

918/225-2650

785/242-4044

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

785/672-8822

580/762-2303



265941

FOREMAN_

20-431-3210	or 800-467-8676		CEMEN	B			VS
DATE	CUSTOMER#	WELL NAME & NU	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-7-14	6285 CO	mbs-william	nson #1	7	185	240	Ness
CUSTOMER			(CONTRACTORY	TDUOK #	DDIVED.	TDUOK #	DDN (ED
AILING ADDRI	Palomino		_ & to RD Z . J mind	TRUCK#	DRIVER	TRUCK#	DRIVER
			1/2 ext		Travis		
ITY 9	924 SE BUTT ISTATE	ZIP CODE	Morth in	460	steve	Ride Clon	
		cs 67114			Jerry	KIU CION	1
New ton DB TYPE SU			 HOLE DEPTH	227	CASING SIZE & V	VEIGHT & &	24
ASING DEPTH			TUBING	1_8/1/	CASING SIZE & F	OTHER	91
LURRY WEIGH		RY VOL 1.34	WATER gal/s	465	CEMENT LEFT in		
ISPLACEMENT		ACEMENT PSI	MIX PSI	n	RATE	CAGING	
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ACCOUNT CODE	QUANITY or UNIT	rs	DESCRIPTION of	SERVICES or PR		UNIT PRICE	TOTAL
CODE	QUANITY or UNIT	PUMP CHAI					
CODE 54015	QUANITY or UNIT	PUMP CHAI	RGE	SERVICES or PR		UNIT PRICE	
CODE 54015 5406	1	PUMP CHAI	RGE	SERVICES or PR		UNIT PRICE	1150.00
	1 <i>3</i> 5	PUMP CHAI		SERVICES or PR		UNIT PRICE 1(50% 5.25	1150.00
CODE 54015 5406	1 25 7.75	PUMP CHAI MILEAGE	RGE	Delivery		UNIT PRICE 1(50% 5.25	1150.00 131.25 430.00
code 54015 5406 5407	1 25 7.75	PUMP CHAI MILEAGE To 1	mileage A comen	Delivery		UNIT PRICE 1(50.9) 5.25 1.75	1150.00 131.25 430.00 3060.73
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CODE 54015 5406 5407 11045	1 25 7.75 1655K	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.55 .94 .27 .29	1150.00 131.25 430.00 3060.73 457,10 83.70 5292.80
CODE 54015 5406 5407 11045 1108	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 54015 5405 5407 11045 1108	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.55 .94 .27 .29	1150.00 131.25 430.00 3060.73 457,10 83.70 5292.80
CODE 54015 5406 5407 11045 1108	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 54015 5406 5407 11045 1102	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 54015 5406 5407 11045 1108	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 54015 5405 5407 11045 1108	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 5'4015 5'4015 5'407 11045 1102	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 54015 5406 5407 11045 1108	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 5'4015 5'4015 5'407 11045 1102	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 5'4015 5'4015 5'407 11045 1102	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE 1(50% 5.25 1.75 18.53 .94 .27 5.26 1.255 10%	1150.00 131.25 430.00 3060.72 457,10 83.70 5292.80
CODE 54015 5405 5407 11045 1108	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery		UNIT PRICE I(SO % 5. 25 I.75 IB.55 .94 .27 .25 ISS 10% SUL	1150.00 131.25 430.00 3060.73 457,10 83.70 5292.80
CODE 54015 5406 5407 11045 1108	1 25 7.75 165 5K 465 316	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery	COMPLET	UNIT PRICE I(SO % 5. 25 I.75 IB.SS .94 .27 Sub ISS 10% SALES TAX ESTIMATED	1150.00 131.25 430.00 3060.73 457.10 83.70 5292.80 529.28 4763.5
CODE 54015 5406 5407 11045 11188 1111	1 25 7.75 165 5K 468 316 100	PUMP CHAI MILEAGE Ton 1	Mileage Mileage A cemen Mileage	Delivery	COMPLET	UNIT PRICE I(SO % 5. 25 I.75 IB.55 .94 .27 .25 ISS 10% SUL	1150.00 131.25 430.00 3060.75 457.10 83.70 5292.80



Prepared For: Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

Coombs-Williamson #1

7-18s-24w Ness,KS

Start Date: 2014.02.10 @ 23:01:04 End Date: 2014.02.11 @ 05:25:04 Job Ticket #: 56276 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601

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



Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness,KS

Coombs-Williamson #1

Job Ticket: 56276

DST#: 1

Test Start: 2014.02.10 @ 23:01:04

GENERAL INFORMATION:

Time Tool Opened: 01:05:04

Time Test Ended: 05:25:04

Formation:

Interval:

LKC A-G

Deviated:

No Whipstock: 0.00 ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Shane McBride

Unit No:

Reference Elevations:

KB to GR/CF:

2338.00 ft (KB)

2333.00 ft (CF)

Total Depth:

Serial #: 6771

Press@RunDepth:

3716.00 ft (KB) To 3859.00 ft (KB) (TVD)

3859.00 ft (KB) (TVD)

5.00 ft

Hole Diameter:

7.88 inches Hole Condition: Fair

Capacity:

Start Date: Start Time: Inside

300.26 psig @ 2014.02.10

23:01:04

3717.00 ft (KB) End Date: End Time:

2014.02.11 05:08:04 Last Calib.:

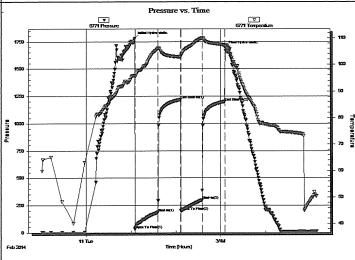
8000.00 psig 2014.02.11

Time On Btm: Time Off Btm: 2014.02.11 @ 01:04:34

2014.02.11 @ 03:06:04

TEST COMMENT: B.O.B. in 10 min.

No return B.O.B. in 13 min. No return



PRESSURE SUMMARY Time Pressure Annotation Temp (Min.) (deg F) (psig) 0 1780.64 95.97 Initial Hydro-static 32.19 95.38 Open To Flow (1) 32 185.97 106.05 Shut-In(1) 1218.39 102.82 End Shut-In(1) 62 199.55 Open To Flow (2) 62 103.11 91 300.26 110.02 Shut-In(2) 121 1200.11 107.38 End Shut-In(2) 1691.30 106.99 Final Hydro-static 122

Recovery

Length (ft)	Description	Volume (bbl)
310.00	water 100%w	3.24
124.00	s m c w 10%m 90%w	1.74
129.00	m c w 45%m 55%w	1.81

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

Ref. No: 56276 Printed: 2014.02.25 @ 13:09:27 Trilobite Testing, Inc.



Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness,KS

Coombs-Williamson #1

Job Ticket: 56276

DST#:1

Test Start: 2014.02.10 @ 23:01:04

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Hole Diameter:

LKC A-G

Deviated: No Time Tool Opened: 01:05:04

Time Test Ended: 05:25:04

Whipstock:

0.00 ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Initial)

Shane McBride

Unit No:

Reference Elevations:

2338.00 ft (KB)

2333.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8844 Press@RunDepth:

Outside

psig @

3859.00 ft (KB) (TVD)

3717.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2014.02.10

3716.00 ft (KB) To 3859.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

End Date:

2014.02.11

Last Calib.: Time On Btm: 2014.02.11

Start Time:

23:01:02

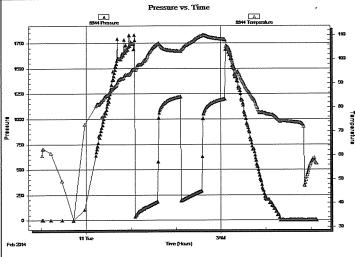
End Time:

05:07:47

Time Off Btm:

TEST COMMENT: B.O.B. in 10 min.

No return B.O.B. in 13 min. No return



		PI	RESSUR	RE SUMMARY
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
1				
Temperatura				
3				
	ŀ		İ	

Recovery

Length (ft)	Description	Volume (bbl)
310.00	water 100%w	3.24
124.00	s m c w 10%m 90%w	1.74
129.00	m c w 45%m 55%w	1.81

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

Ref. No: 56276 Printed: 2014.02.25 @ 13:09:27 Trilobite Testing, Inc



TOOL DIAGRAM

Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness,KS

Coombs-Williamson #1

Job Ticket: 56276

DST#: 1

Test Start: 2014.02.10 @ 23:01:04

Tool Information

Drill Collar:

Length: 3571.00 ft Diameter: Drill Pipe: Heavy Wt. Pipe: Length:

Length:

0.00 ft Diameter: 122.00 ft Diameter:

50.09 bbi 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

0.00 bbl 0.60 bbl Tool Weight: Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 80000.00 lb

Final 64000.00 lb

2500.00 lb

Drill Pipe Above KB: Depth to Top Packer:

5.00 ft 3716.00 ft

ft

2 Diameter:

50.69 bbl Total Volume:

Tool Chased String Weight: Initial 60000.00 lb

0.00 ft

Depth to Bottom Packer: Interval between Packers: 143.00 ft

Number of Packers:

171.00 ft

6.75 inches

Tool Comments:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	101100000
Change Over Sub	1.00			3689.00		
Shut In Tool	5.00			3694.00		
Hydraulic tool	5.00			3699.00		
Jars	5.00			3704.00		
Safety Joint	3.00			3707.00		
Packer	5.00			3712.00	28.00	Bottom Of Top Packer
Packer	4.00			3716.00		
Stubb	1.00			3717.00		
Recorder	0.00	6771	Inside	3717.00		
Recorder	0.00	8844	Outside	3717.00		
Perforations	9.00			3726.00		
Change Over Sub	1.00			3727.00		
Drill Pipe	126.00			3853.00		
Change Over Sub	1.00			3854.00		
Bullnose	5.00			3859.00	143.00	Bottom Packers & Anchor

Total Tool Length:

Trilobite Testing, Inc

171.00

Printed: 2014.02.25 @ 13:09:28 Ref. No: 56276



FLUID SUMMARY

0 deg API

28000 ppm

Palomino Petroleum Inc

7-18s-24w Ness,KS

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

Coombs-Williamson #1

Job Ticket: 56276

Serial#:

DST#: 1

Test Start: 2014.02.10 @ 23:01:04

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity:

63.00 sec/qt

Water Loss:

6.37 in³ 0.00 ohm.m

Resistivity: Salinity: Filter Cake:

2400.00 ppm 1.00 inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

ft

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	w ater 100%w	3.237
124.00	s m c w 10%m 90%w	1.739
129.00	m c w 45%m 55%w	1.810

Total Length:

563.00 ft

Total Volume:

6.786 bbl

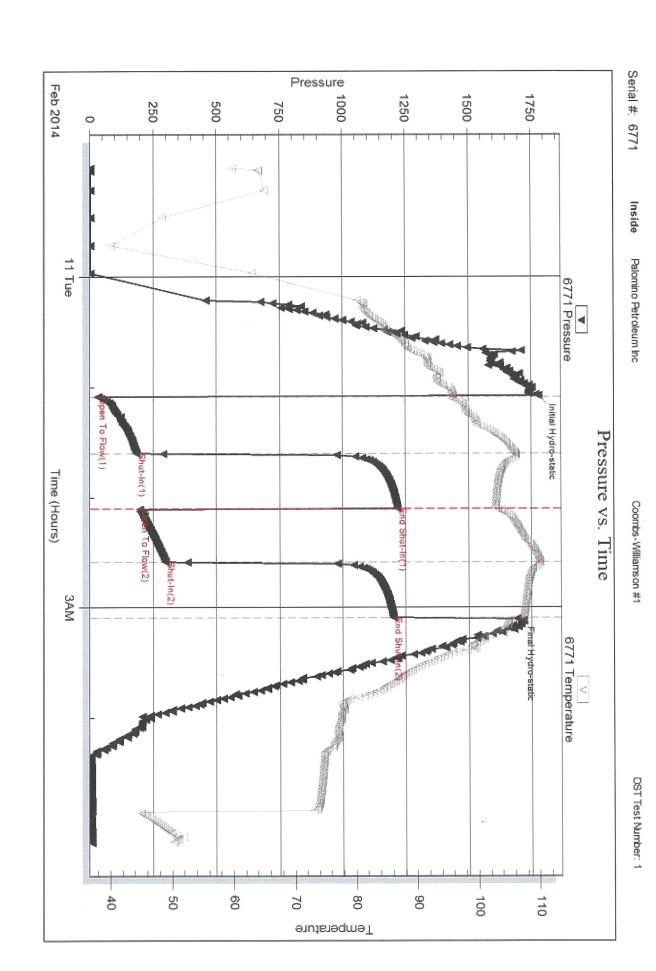
Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs:

Laboratory Location:

Recovery Comments: rw .781 @ 20*f= 28,000 chlor

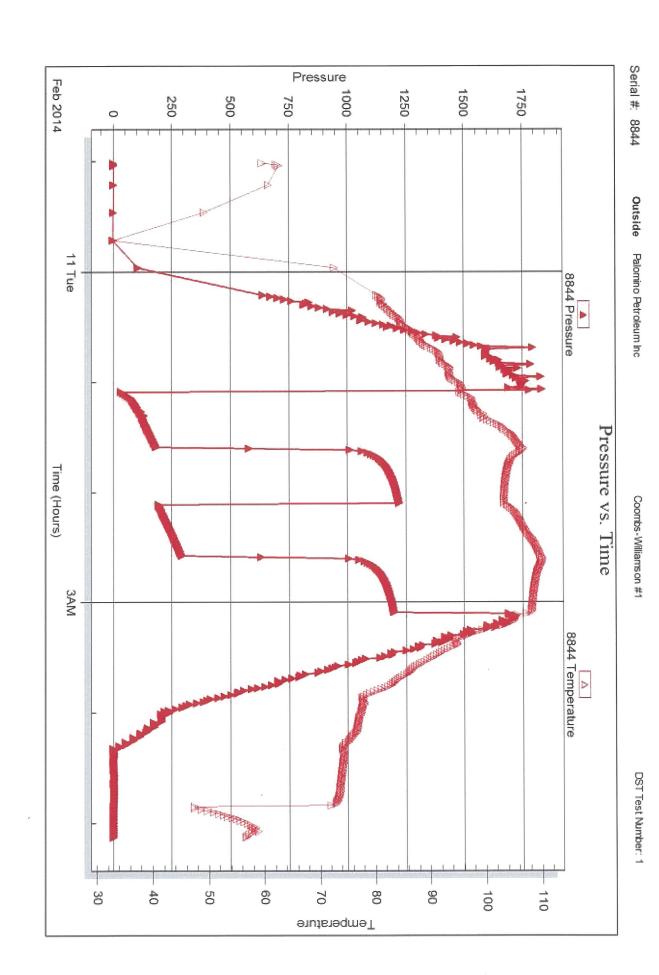
Ref. No: 56276



Trilobite Testing, Inc.

Ref. No:

56276



Trilobite Testing, Inc.

Ref. No:

56276



Prepared For:

Palomino Petroleum Inc

4924 SE 84th St

Newton, KS 67114-8827

ATTN: Aaron Young

Coombs-Williamson #1

7-18s-24w Ness,KS

Start Date: 2014.02.12 @ 13:33:37

End Date:

2014.02.12 @ 19:05:37

Job Ticket #: 56277

DST#: 2

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

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



Palomino Petroleum Inc

4924 SE 84th St New ton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness, KS

Coombs-Williamson #1

Job Ticket: 56277

DST#: 2

Test Start: 2014.02.12 @ 13:33:37

GENERAL INFORMATION:

Formation:

Basil Penn

Deviated: No V Time Tool Opened: 15:20:52

Time Test Ended: 19:05:37

No Whipstock:

0.00 ft (KB)

T

Test Type: Conventional Bottom Hole (Reset)

Tester:

Shane McBride

Unit No: 55

Officials. 33

...

Reference Elevations: 2338.00 ft (KB)

2333.00 ft (CF)

KB to GR/CF: 5.00 ft

Interval:

Hole Diameter:

4246.00 ft (KB) To 4331.00 ft (KB) (TVD)

Total Depth: 4331.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

Serial #: 6771
Press@RunDepth:

Inside

31.53 psig @

4247.00 ft (KB)

D-t-

2014.02.12

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2014.02.12 13:33:37 End Date: End Time:

18:52:37

Time On Btm:

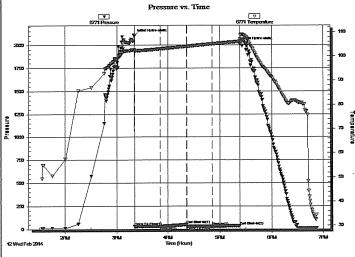
2014.02.12 2014.02.12 @ 15:20:37

Time Off Btm:

2014.02.12 @ 17:23:07

TEST COMMENT: 1/4" blow died in 8 min

No return No blow No return



		PI	RESSUR	E SUMMARY
110	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
100	0	2099.83	102.56	Initial Hydro-static
	1	28.37	101.86	Open To Flow (1)
0	31	30.16	102.95	Shut-ln(1)
10	61	48.94	103.98	End Shut-In(1)
1	61	31.94	103.98	Open To Flow (2)
Temperature	91	31.53	104.98	Shut-ln(2)
	123	36.80	106.02	End Shut-In(2)
	123	2009.88	106.94	Final Hydro-static
, a				
10				
30				

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100%m	0.01

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

Trilobite Testing, Inc Ref. No: 56277 Printed: 2014.02.25 @ 13:09:03



Palomino Petroleum Inc

4924 SE 84th St New ton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness,KS

Coombs-Williamson #1

Job Ticket: 56277

DST#: 2

Test Start: 2014.02.12 @ 13:33:37

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Hole Diameter:

Basil Penn

Deviated: No Time Tool Opened: 15:20:52

Time Test Ended: 19:05:37

Whipstock:

0.00 ft (KB)

Unit No:

Tester:

Test Type: Conventional Bottom Hole (Reset) Shane McBride

Reference Elevations:

2338.00 ft (KB)

2333.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8844 Press@RunDepth: Outside

psig @

4331.00 ft (KB) (TVD)

4246.00 ft (KB) To 4331.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

4247.00 ft (KB)

2014.02.12

Capacity:

8000.00 psig

Start Date:

2014.02.12

End Date:

Last Calib.: Time On Btm: 2014.02.12

Start Time:

13:34:05

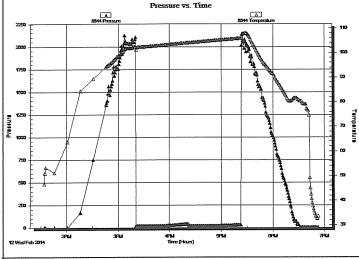
End Time:

18:53:05

Time Off Btm:

TEST COMMENT: 1/4" blow died in 8 min

No return No blow No return



		PF	RESSUR	RE SUMMARY .	
	Time	Pressure	Temp	Annotation	1
	(Min.)	(psig)	(deg F)		l
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1			I		l
Temperatura					l
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					١

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100%m	0.01
* Recovery from r	nultiple tests	

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

Printed: 2014.02.25 @ 13:09:03

Ref. No: 56277 Trilobite Testing, Inc



TOOL DIAGRAM

DST#: 2

Final 58000.00 lb

Palomino Petroleum Inc

4924 SE 84th St New ton, KS 67114-8827

ATTN: Aaron Young Test Start:

Coombs-Williamson #1

7-18s-24w Ness,KS

Job Ticket: 56277

Test Start: 2014.02.12 @ 13:33:37

Tool Information

3.80 inches Volume: 57.57 bbl Tool Weight: 2500.00 lb Drill Pipe: Length: 4104.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.60 bbl Weight to Pull Loose: 80000.00 lb Drill Collar: Length: 122.00 ft Diameter: 2.25 inches Volume: Tool Chased 0.00 ft Total Volume: 58.17 bbl Drill Pipe Above KB: 8.00 ft String Weight: Initial 58000.00 lb

Depth to Top Packer: 4246.00 ft
Depth to Bottom Packer: ft
Interval betw een Packers: 85.00 ft
Tool Length: 113.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4219.00		
Shut In Tool	5.00			4224.00		
Hydraulic tool	5.00			4229.00		
Jars	5.00			4234.00		
Safety Joint	3.00			4237.00		
Packer	5.00			4242.00	28.00	Bottom Of Top Packer
Packer	4.00			4246.00		
Stubb	1.00			4247.00		
Recorder	0.00	6771	Inside	4247.00		
Recorder	0.00	8844	Outside	4247.00		
Perforations	13.00			4260.00		
Change Over Sub	1.00			4261.00		
Drill Pipe	64.00			4325.00		
Change Over Sub	1.00			4326.00		
Bullnose	5.00			4331.00	85.00	Bottom Packers & Anchor

Total Tool Length: 113.00

Trilobite Testing, Inc Ref. No: 56277 Printed: 2014.02.25 @ 13:09:03



FLUID SUMMARY

0 deg API

0 ppm

Palomino Petroleum Inc

7-18s-24w Ness, KS

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

Coombs-Williamson #1

Job Ticket: 56277

DST#: 2

Test Start: 2014.02.12 @ 13:33:37

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal 51.00 sec/qt

Viscosity: Water Loss:

6.38 in³ Resistivity: 0.00 ohm.m

Salinity: Filter Cake: 7800.00 ppm 1.00 inches Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

bbl

ft

psig

Recovery Information

Recovery Table

Length ft Volume Description bbl 3.00 mud 100%m 0.015

Total Length:

3.00 ft

Total Volume:

0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs:

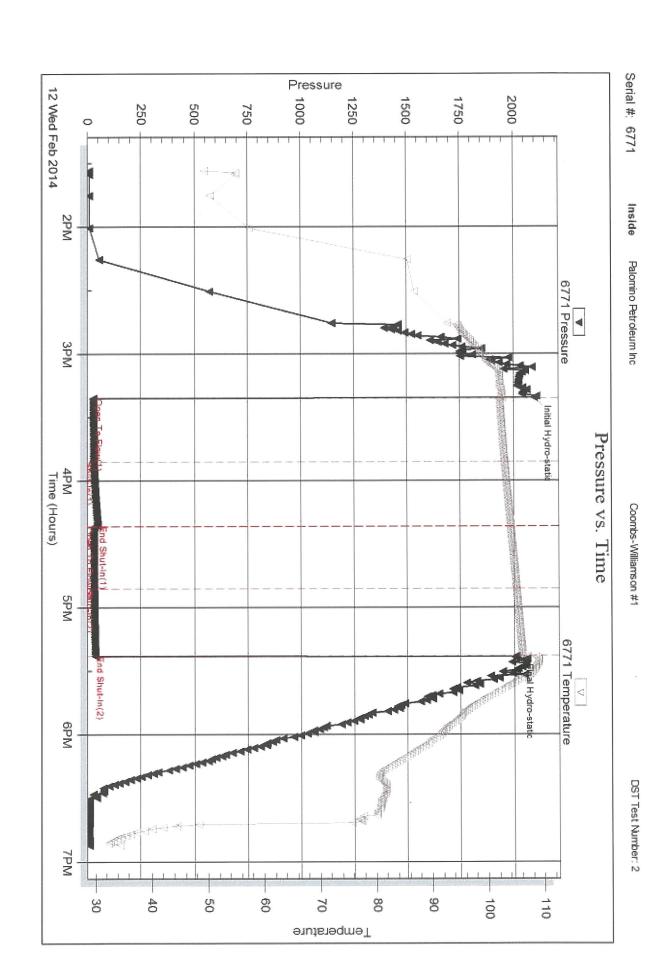
Laboratory Location:

Serial#:

Laboratory Name: Recovery Comments:

Trilobite Testing, Inc

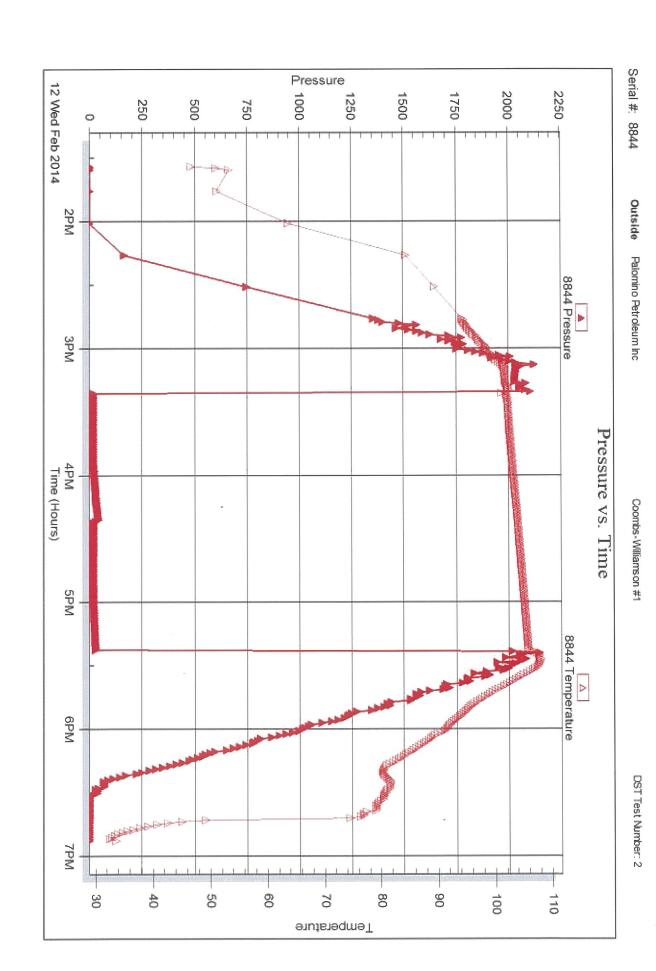
Ref. No: 56277



Tritobite Testing, Inc.

Ref. No:

56277



Trilobite Testing, Inc.

Ref. No:

56277



Prepared For: Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

Coombs-Williamson #1

7-18s-24w Ness,KS

Start Date: 2014.02.13 @ 00:31:11 End Date: 2014.02.13 @ 07:30:11 Job Ticket #: 56278 DST #: 3

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



Palomino Petroleum Inc

7-18s-24w Ness, KS

Coombs-Williamson #1

4924 SE 84th St Newton, KS 67114-8827

Job Ticket: 56278

DST#: 3

ATTN: Aaron Young

Test Start: 2014.02.13 @ 00:31:11

GENERAL INFORMATION:

Time Tool Opened: 02:52:41

Time Test Ended: 07:30:11

Formation:

Miss

Deviated:

No

Whipstock:

0.00 ft (KB)

Conventional Bottom Hole (Reset) Test Type:

Tester:

Shane McBride

Unit No:

Reference Elevations:

2338.00 ft (KB)

2333.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth: 4246.00 ft (KB) To 4346.00 ft (KB) (TVD)

4346.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Outside

Serial #: 8844 Press@RunDepth:

130.56 psig @

4247.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2014.02.13 00:31:11

End Date: End Time:

2014.02.13 06:57:11 Last Calib.: Time On Btm: 2014.02.13

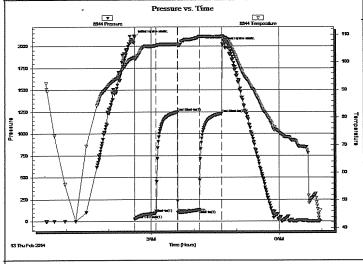
Time Off Btm:

2014.02.13 @ 02:36:26 2014.02.13 @ 04:39:11

TEST COMMENT: 11" blow

No return 10" blow

Surface return in 8 min. died in 15 min.



		PI	RESSUR	RE SUMMARY
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
-	0	2105.08	101.75	Initial Hydro-static
	1	23.91	100.86	Open To Flow (1)
	31	93.84	105.95	Shut-ln(1)
	61	1246.36	106.45	End Shut-In(1)
	61	100.12	106.11	Open To Flow (2)
	91	130.56	109.17	Shut-In(2)
	123	1233.29	109.20	End Shut-In(2)
	123	2023.49	109.48	Final Hydro-static
			l	

Recovery

94.00 g o c m 10g 40o 50m 1.3	Length (ft)	Description	Volume (bbl)
000 90009	122.00	g s o c m 10g 10o 80m	0.60
60.00 c g o 5g 95o 0.8	94.00	g o c m 10g 40o 50m	1.32
	60.00	c g o 5g 95o	0.84
0.00 30' gas in pipe 0.0	0.00	30' gas in pipe	0.00
	* Recovery from r	withing tests	

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

Printed: 2014.02.25 @ 13:08:38 Ref. No: 56278 Trilobite Testing, Inc



Palomino Petroleum Inc

4924 SE 84th St

Newton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness,KS

Coombs-Williamson #1

Job Ticket: 56278

DST#: 3

Test Start: 2014.02.13 @ 00:31:11

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Hole Diameter:

Miss

Deviated: No Time Tool Opened: 02:52:41

Time Test Ended: 07:30:11

Whipstock:

0.00 ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Reset) Shane McBride

Unit No:

Reference Elevations:

2338.00 ft (KB)

2333.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 6771 Press@RunDepth: Inside

psig @

4246.00 ft (KB) To 4346.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

4247.00 ft (KB)

2014.02.13

Capacity:

8000.00 psig

Start Date:

2014.02.13

4346.00 ft (KB) (TVD)

End Date:

Last Calib.: Time On Btm: 2014.02.13

Start Time:

00:31:12

End Time:

06:57:27

Time

(Min.)

Time Off Btm:

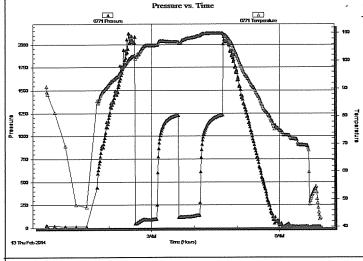
Pressure

(psig)

TEST COMMENT: 11" blow

No return 10" blow

Surface return in 8 min. died in 15 min.



	!	

PRESSURE SUMMARY

Temp

(deg F)

Annotation

Recovery

Description	Volume (bbl)
g s o c m 10g 10o 80m	0.60
g o c m 10g 40o 50m	1.32
c g o 5g 95o	0.84
30' gas in pipe	0.00
	g s o c m 10g 10o 80m g o c m 10g 40o 50m c g o 5g 95o

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

Ref. No: 56278 Printed: 2014.02.25 @ 13:08:38 Trilobite Testing, Inc



TOOL DIAGRAM

Palomino Petroleum Inc

4924 SE 84th St New ton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness,KS

Coombs-Williamson #1

Job Ticket: 56278

DST#: 3

Test Start: 2014.02.13 @ 00:31:11

Tool Information

Drill Collar:

Length: 4104.00 ft Diameter: Drill Pipe: Heavy Wt. Pipe: Length:

Length:

0.00 ft Diameter:

122.00 ft Diameter:

3.80 inches Volume: 57.57 bbl 0.00 bbl 0.00 inches Volume: 2.25 inches Volume:

0.60 bbl Total Volume: 58.17 bbl Tool Weight:

2500.00 lb Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 80000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 58000.00 lb

Final 59000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

8.00 ft 4246.00 ft

Depth to Bottom Packer: Interval between Packers: 100.00 ft Tool Length:

Number of Packers:

128.00 ft

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4219.00		
Shut In Tool	5.00			4224.00		
Hydraulic tool	5.00			4229.00		
Jars	5.00			4234.00		
Safety Joint	3.00			4237.00		
Packer	5.00			4242.00	28.00	Bottom Of Top Packer
Packer	4.00			4246.00		
Stubb	1.00			4247.00		
Recorder	0.00	6771	Inside	4247.00		
Recorder	0.00	8844	Outside	4247.00		
Perforations	28.00			4275.00		
Change Over Sub	1.00			4276.00		
Drill Pipe	64.00			4340.00		
Change Over Sub	1.00			4341.00		
Bullnose	5.00			4346.00	100.00	Bottom Packers & Anchor

Total Tool Length:

128.00

Printed: 2014.02.25 @ 13:08:39 Ref. No: 56278 Trilobite Testing, Inc



FLUID SUMMARY

Palomino Petroleum Inc

7-18s-24w Ness,KS

Coombs-Williamson #1

4924 SE 84th St New ton, KS 67114-8827

Job Ticket: 56278

DST#: 3

ATTN: Aaron Young

Test Start: 2014.02.13 @ 00:31:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Viscosity:

51.00 sec/qt 6.38 in³

Gas Cushion Type: Gas Cushion Pressure: bbl psig

ft

Water Loss: Resistivity:

Salinity:

Filter Cake:

0.00 ohm.m

7800.00 ppm

1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	g s o c m 10g 10o 80m	0.600
94.00	g o c m 10g 40o 50m	1.319
60.00	c g o 5g 95o	0.842
0.00	30' gas in pipe	0.000

Total Length:

276.00 ft

Total Volume:

2.761 bbl

0

Num Fluid Samples: 0

Num Gas Bombs:

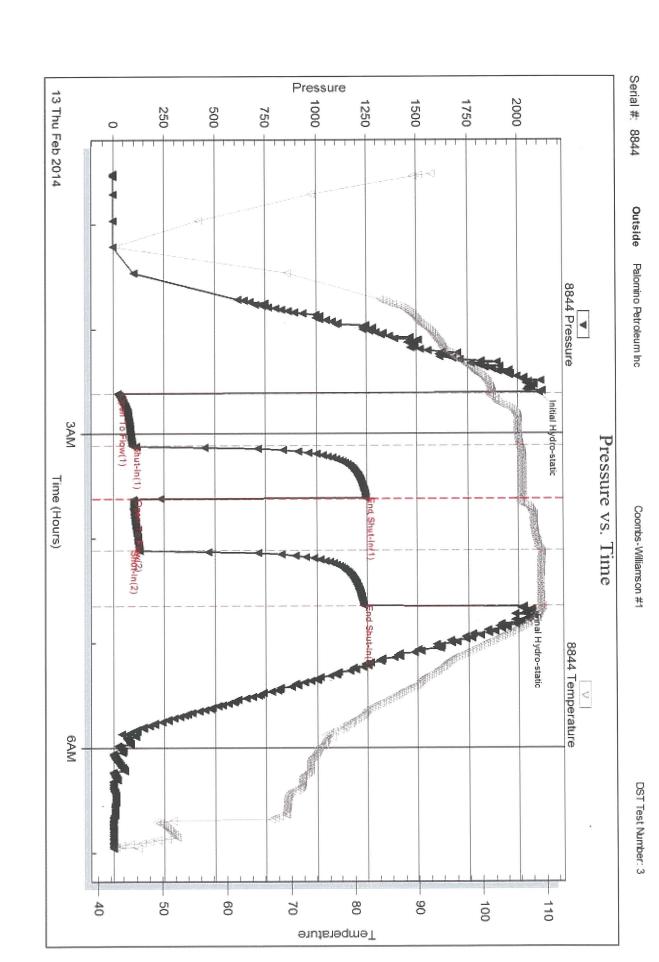
Serial#:

Laboratory Name:

Laboratory Location:

Recovery Comments:

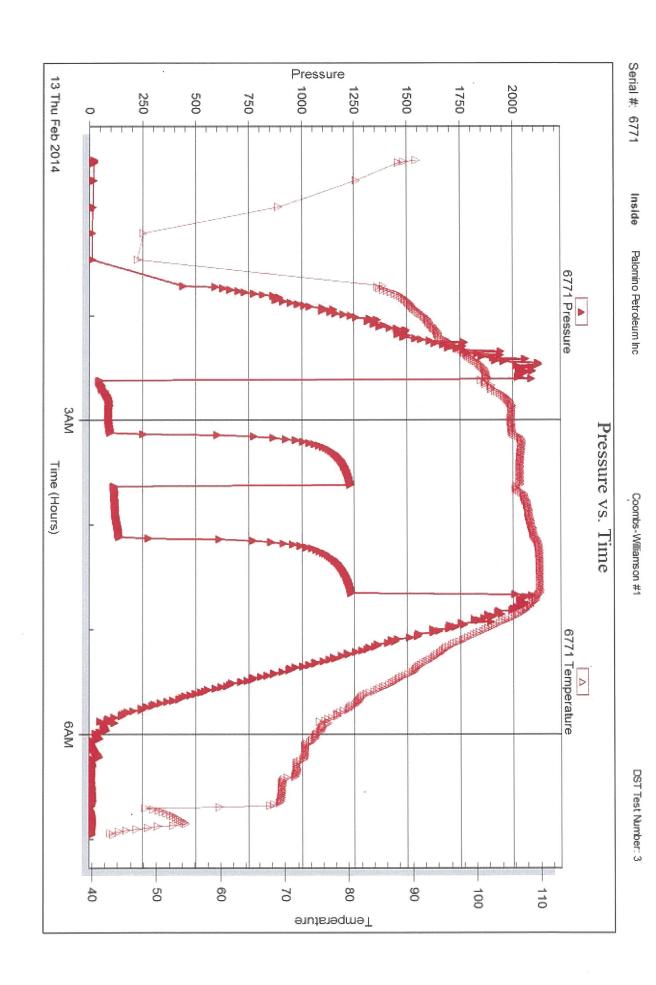
Printed: 2014.02.25 @ 13:08:39 Trilobite Testing, Inc Ref. No: 56278



Trilobite Testing, Inc.

Ref. No:

56278



Triobite Testing, Inc.

Ref. No:

56278



Prepared For:

Palomino Petroleum Inc

4924 SE 84th St

Newton, KS 67114-8827

ATTN: Aaron Young

Coombs-Williamson #1

7-18s-24w Ness,KS

Start Date: 2014.02.13 @ 19:20:16

End Date:

2014.02.14 @ 01:40:01

Job Ticket #: 56279

DST#: 4

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

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



Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness, KS

Coombs-Williamson #1

Job Ticket: 56279

DST#: 4

Test Start: 2014.02.13 @ 19:20:16

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Hole Diameter:

Miss

Deviated:

Time Tool Opened: 20:55:46

Time Test Ended: 01:40:01

No Whipstock: 0.00 ft (KB)

Test Type: Conventional Straddle (Reset)

Tester:

Shane McBride

Unit No:

Reference Elevations:

2338.00 ft (KB)

2333.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 247.26 psig @ 4347.00 ft (KB)

2014.02.14

Capacity:

8000.00 psig

Start Date: Start Time:

2014.02.13 19:20:16

4460.00 ft (KB) (TVD)

End Date: End Time:

01:16:01

Last Calib .: Time On Btm: 2014.02.14

2014.02.13 @ 20:55:16

Time Off Btm:

2014.02.13 @ 22:59:31

TEST COMMENT: B.O.B. in 8 1/2 min.

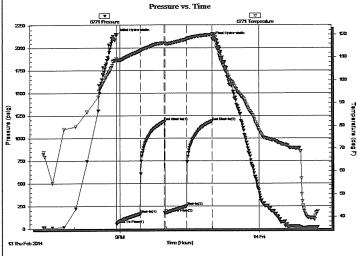
Return blow in 9 min. built to 3"

B.O.B. in 13 min

Surface return in 17 min 1/8"

4346.00 ft (KB) To 4361.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair



	PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation			
E20	(Min.)	(psig)	(deg F)				
110	0	2142.22	109.27	Initial Hydro-static			
	1	50.91	108.76	Open To Flow (1)			
100	31	163.08	112.76	Shut-ln(1)			
so _,	62	1186.88	116.20	End Shut-In(1)			
and and a	63	175.52	115.84	Open To Flow (2)			
Temperature (deg F)	91	247.26	117.86	Shut-ln(2)			
, 2	124	1188.99	119.85	End Shut-In(2)			
J	125	2101.43	120.18	Final Hydro-static			
B O		·					
5D							
40							

Recovery

Length (ft)	Description	Volume (bbl)
186.00	g w w/oil scum 20g 80w	1.50
62.00	g m &w c o 20g 10m 20w 50o	0.87
310.00	c g o 20g 80o	4.35
0.00	180' G I P	0.00
* Recovery from r	nultiple tests	

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

Trilobite Testing, Inc

Ref. No: 56279



Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness, KS

Coombs-Williamson #1

Job Ticket: 56279

DST#:4

Test Start: 2014.02.13 @ 19:20:16

GENERAL INFORMATION:

Formation:

Miss

TEST COMMENT: B.O.B. in 8 1/2 min.

Deviated: No Time Tool Opened: 20:55:46

Time Test Ended: 01:40:01

Whipstock:

0.00 ft (KB)

Test Type: Conventional Straddle (Reset)

Tester:

Shane McBride

Unit No:

55

Reference Elevations:

2338.00 ft (KB)

2333.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth: Hole Diameter: 4346.00 ft (KB) To 4361.00 ft (KB) (TVD) 4460.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8844 Press@RunDepth: Outside

psig @

4347.00 ft (KB)

2014.02.14

Capacity:

8000.00 psig

Start Date:

2014.02.13

End Date:

Last Calib.:

2014.02.14

Start Time:

19:20:17

End Time:

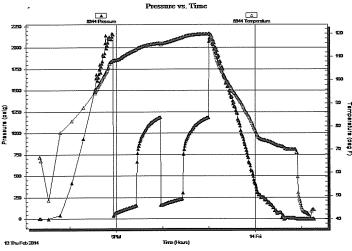
01:15:47

Time On Btm: Time Off Btm:

Return blow in 9 min. built to 3"

B.O.B. in 13 min

Surface return in 17 min 1/8"



	PRESSURE SUMMARY				
Temperature (deg F)	Time (Min.)	Pressure (psig)	RESSUR Temp (deg F)	RE SUMMARY Annotation	
3					

Recovery

Volume (bbl)	
.50	
.87	
.35	
.00	

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

Trilobite Testing, Inc

Ref. No: 56279



Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness, KS

Coombs-Williamson #1

Job Ticket: 56279

DST#:4

Test Start: 2014.02.13 @ 19:20:16

GENERAL INFORMATION:

Formation:

Miss

Deviated: No Time Tool Opened: 20:55:46

Time Test Ended: 01:40:01

Whipstock:

0.00 ft (KB)

Tester:

Unit No: 55

Reference Elevations:

2338.00 ft (KB)

2333.00 ft (CF)

KB to GR/CF: 5.00 ft

Test Type: Conventional Straddle (Reset)

Shane McBride

Interval: Total Depth:

Hole Diameter:

4346.00 ft (KB) To 4361.00 ft (KB) (TVD)

4460.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8353 Press@RunDepth: Below (Straddle)

psig @

4362.00 ft (KB)

2014.02.14

Capacity: Last Calib.: 8000.00 psig

Start Date:

2014.02.13

End Date:

Time On Btm:

2014.02.14

Start Time:

19:20:22

End Time:

01:16:07

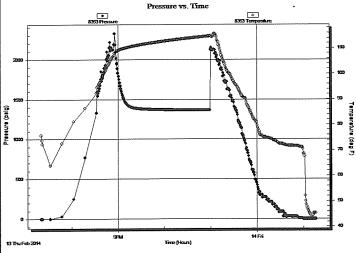
Time Off Btm:

TEST COMMENT: B.O.B. in 8 1/2 min.

Return blow in 9 min. built to 3"

B.O.B. in 13 min

Surface return in 17 min 1/8"



					1
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
	(IVIIII.)	(psig)	(ueg r)		
1					

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
186.00	g w w/oil scum 20g 80w	1.50
62.00	g m &w c o 20g 10m 20w 50o	0.87
310.00	c g o 20g 80o	4.35
0.00	180' G I P	0.00
* Recovery from m.	Itinle tests	

Gas Nai	62	
 Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Printed: 2014.02.25 @ 13:07:51 Ref. No: 56279 Trilobite Testing, Inc



TOOL DIAGRAM

Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Aaron Young

7-18s-24w Ness, KS

Coombs-Williamson #1

Job Ticket: 56279

DST#:4

Test Start: 2014.02.13 @ 19:20:16

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4200.00 ft Diameter:

0.00 ft Diameter: Length: 122.00 ft Diameter:

Diameter:

58.91 bbl 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

0.00 bbl 0.60 bbl Tool Weight: Weight set on Packer: 30000.00 lb Weight to Pull Loose: 85000.00 lb

2500.00 lb

Final 63000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

4.00 ft 4346.00 ft Total Volume: 59.51 bbl Tool Chased String Weight: Initial 62000.00 lb

0.00 ft

Depth to Bottom Packer: 4460.00 ft Interval between Packers: 114.00 ft

142.00 ft 2

6.75 inches

Number of Packers: Tool Comments:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4319.00		
Shut In Tool	5.00			4324.00		
Hydraulic tool	5.00			4329.00		
Jars	5.00			4334.00		
Safety Joint	3.00			4337.00		
Packer	5.00			4342.00	28.00	Bottom Of Top Packer
Packer	4.00			4346.00		
Stubb	1.00			4347.00		
Recorder	0.00	6771	Inside	4347.00		
Recorder	0.00	8844	Outside	4347.00		
Perforations	10.00			4357.00		
Blank Off Sub	1.00			4358.00		
top of s packer	3.00			4361.00		
Stubb	1.00			4362.00		
Recorder	0.00	8353	Below	4362.00		
Anchor	27.00			4389.00		
Change Over Sub	1.00			4390.00		
Drill Pipe	64.00			4454.00		
Change Over Sub	1.00			4455.00		
Bullnose	5.00			4460.00	114.00	Bottom Packers & Anchor

Total Tool Length:

142.00

Printed: 2014.02.25 @ 13:07:52 Trilobite Testing, Inc Ref. No: 56279



FLUID SUMMARY

Palomino Petroleum Inc

7-18s-24w Ness,KS

Coombs-Williamson #1

4924 SE 84th St Newton, KS 67114-8827

Job Ticket: 56279

DST#:4

ATTN: Aaron Young

Test Start: 2014.02.13 @ 19:20:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

Water Salinity:

31 deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

ft bbl 35000 ppm

Viscosity:

51.00 sec/qt 6.39 in³

Cushion Volume: Gas Cushion Type:

Water Loss: Resistivity: Salinity:

Filter Cake:

0.00 ohm.m 7900.00 ppm

1.00 inches

Gas Cushion Pressure:

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	g w w/oil scum 20g 80w	1.498
62.00	g m &w c o 20g 10m 20w 50o	0.870
310.00	c g o 20g 80o	4.348
0.00	180' G I P	0.000

Total Length:

558.00 ft

Total Volume:

6.716 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0 Serial#:

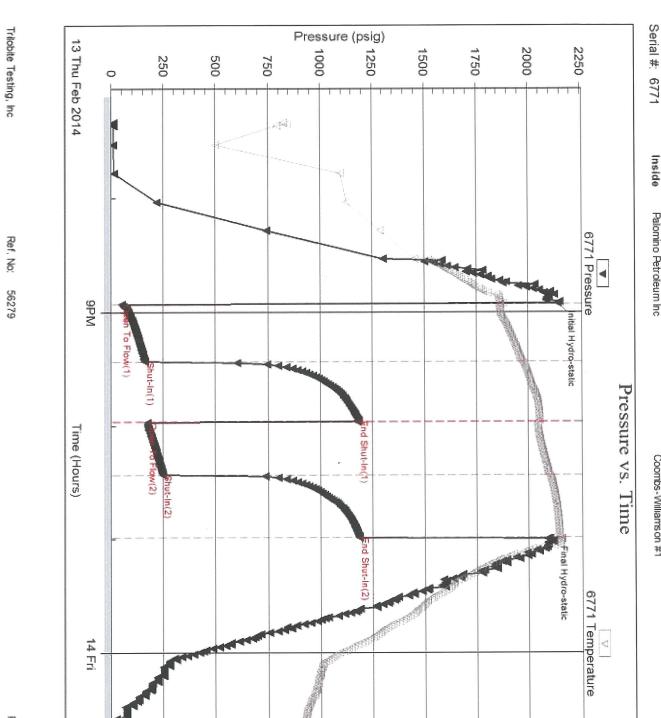
Laboratory Name:

Laboratory Location:

Recovery Comments: rw .358 @ 40*f= 35,000 chlor

Trilobite Testing, Inc

Ref. No: 56279



Inside

Palomino Petroleum Inc

Coombs-Williamson #1

DST Test Number: 4

100

110

120

40

50

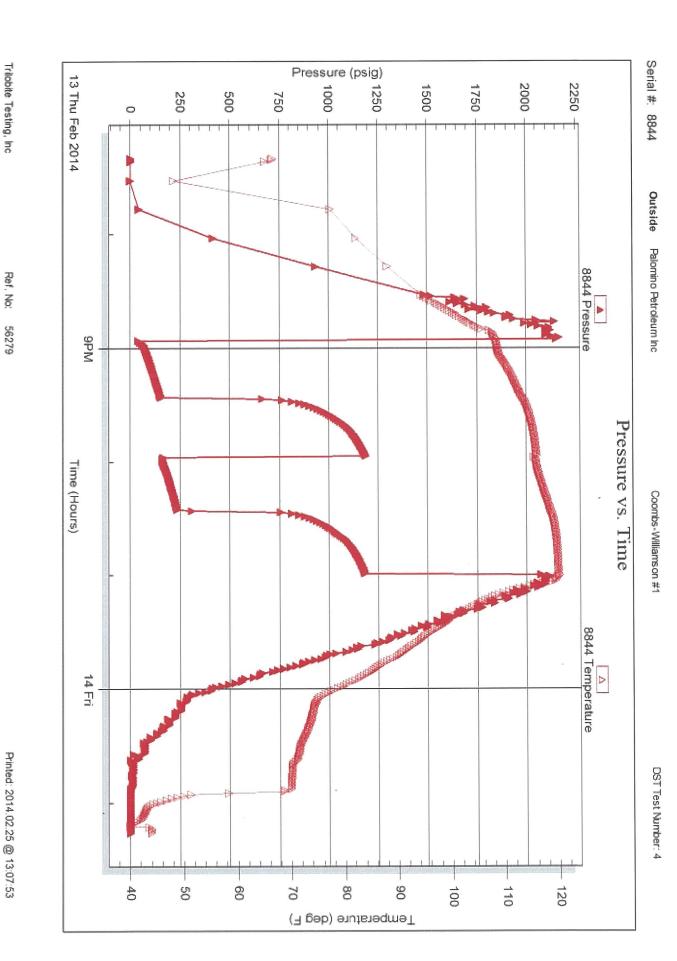
60

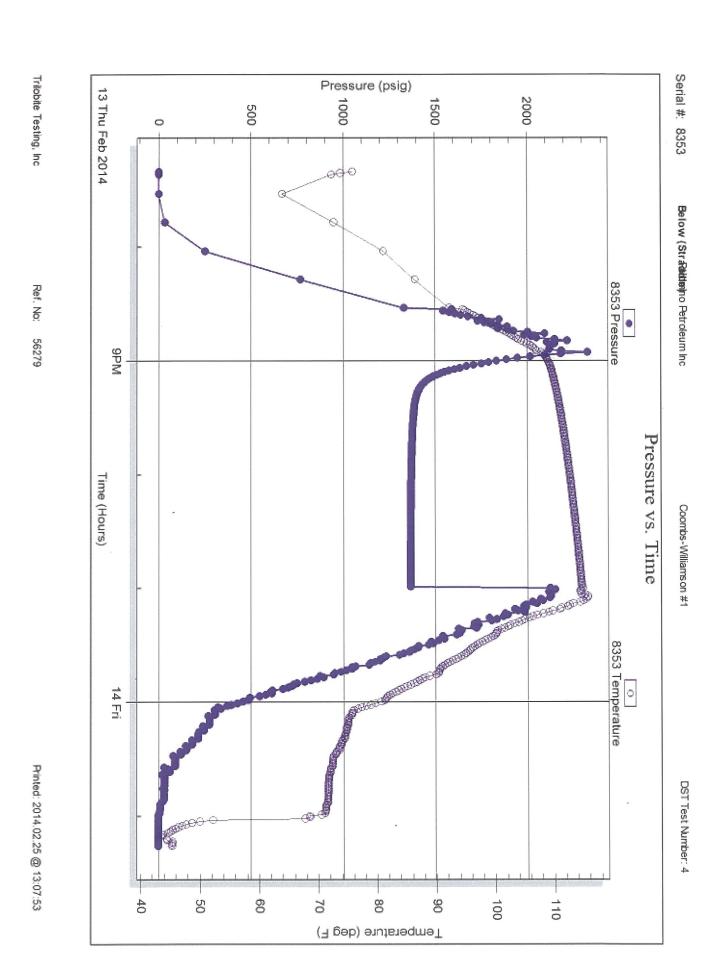
70

80

Temperature (deg F)

90







Test Ticket

NO. 56276

1515 Commerce Parkway • Hays, Kansas 67601

1 1-1.24	1. #/	Test No.	<u>#</u> /	Date 2///	//4/
Well Name & No. Counts - Will Company Palanino Petac	1 T				3 GL
Company Falanino 12 + 60	trum the	Elevation			JUL
Address 4924 SE GUTT	SI poece long s		· +1/	<u> </u>	
Co. Rep/Geo. Haron Young		RigCCC			
Location: Sec. 7 Twp. 18				State	
Interval Tested 3716		an= 17-0			
Anchor Length/	43 Drill Pipe Run	357/		Mud Wt	7
Top Packer Depth		122'		Vis	3
Bottom Packer Depth	7/4 Wt. Pipe Run -			WL 6,4	
Total Depth3 g		2400 ppm	System	LCM	
Blow Description 803 on 10	nite				
p. return					
30.3 :-	13 min				
To return	N				
Rec 129' Feet of MCio		%gas	%oil	55%water	5%mud</td
Rec 1241 Feet of SINCU	2	%gas	%oil	20 %water	
Rec 310 Feet of Water		%gas	%oil	/OC%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mua
Rec Total	C Gravity	API RW .781@	9 <u>20</u> °1	Chlorides 26	000 ppm
(A) Initial Hydrostatic			T-On L	ocation <u>22;</u>	90
(B) First Initial Flow32	√1 Jars <u>250</u>		-	ed <u>23:0</u> 0	3
(C) First Final Flow	Safety Joint	, 75		0/105	
(D) Initial Shut-In 1218	Circ Sub 1			03:05	
(E) Second Initial Flow	D Hourly Standby			<u>05:25</u>	
(F) Second Final Flow	Mileage 104 /	९७ 161.20	- Comm	ents	
(G) Final Shut-In	☐ Sampler			**************************************	
(H) Final Hydrostatic	Straddle		- 🔾 Ru	ined Shale Packer_	
	☐ Shale Packer			ined Packer	
Initial Open 36	☐ Extra Packer			tra Copies	•
Initial Shut-In 30				otal 0	
Final Flow 30	Day Standby			1636.20	
Final Shut-In_30	Accessibility		_ MP/D	ŞI-Dişe't	
	Sub Total <u>1636.2</u>			300	1
Approved By lane tems		Representative			
Trilobite Testing Inc. Shall not be liable for damaged of any kind of t equipment, or its statements or opinion concerning the results of a	he property or personnel of the one for whom a ny test, tools lost or damaged in the hole shall t	test is made, or for any los be paid for at cost by the pai	s suffered or sust ity for whom the t	ained, directly or indirectly, t est is made.	hrough the use of its



Test Ticket

NO. 56277

1515 Commerce Parkway • Hays, Kansas 67601

				,	,
Well Name & No. Combs - W.	Uicmson#/	Test No	Dat	e 2/12/	14
Company alamo Petroleu	in The	Elevation 23.5	<u>₹</u> K	в <u>233</u>	3GL
, a	Ston Ko 6	7114-8827	,		
Co Ben/Gen An arm Courne	, .	Rig <u>しいい</u> 世	10		
Location: Sec	5_ Rge. 24W	_ Co. <u>Ness</u>		State 🗻	5
Interval Tested 4246 45	$\frac{23}{2}$ Zone Tested $\frac{2}{2}$	esil Penn	in NEW Principal Conference Confe	aan	
Anchor Length		4104	Mud	Wt. <u>9</u>	/
Top Packer Depth	// Drill Collars Run	122'		.51	
Bottom Packer Depth			WL .	7, 2	Ammer version and over the Admir version of the Admir version of the Admir version and t
Total Depth	3/ Chlorides 7	FCO ppm Sy	ystem LCM	Tr	
. / . 8	ed in Emin				
no retuind					
The blow					
no return					
Rec 3 Feet of Mad		%gas	%oil	%water	/00 %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	%waler	%mud
Rec Total BHT	7 Gravity -	API RW@	°F Chl	orides	ppm
(A) Initial Hydrostatic 2099				on <u>/3</u>	10
(B) First Initial Flow 28	\(\sqrt{\text{Q}'} \) Jars 250_	***	T-Started	13:3	3
(C) First Final Flow			T-Open	15:20	
(D) Initial Shut-In	/ / /	/ /.	•	7:20	
(E) Second Initial Flow3/			T-Out/	9:05	
(F) Second Final Flow	•		Comments_		
(G) Final Shut-In	, ·		Washing that the relativistic feet that the advantage of the contract of the c		
(H) Final Hydrostatic 2009	Straddle		O Duinad	Chala Pa-!	
	☐ Shale Packer			Shale Packer_	
Initial Open 30	□ Extra Packer			Packer	
Initial Shut-In 30			Sub Total _	opies	
Final Flow _30				'36.20	
Final Shut-In_30			MP/DST D		
	Sub Total <u>1736.2</u>				
Approved By den Can		r Representative		(h/s	5//

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.



Initial Open 30

Final Flow 30

Final Shut-In 30

Initial Shut-In 36

Test Ticket

NO

56278

☐ Ruined Shale Packer_____

☐ Ruined Packer _____

Sub Total 0

Total 1736.20

MP/DST Disc't

☐ Extra Copies _____

1515 Commerce Parkwa	y • Hays, Kansas 67601
Company Palomono Petroleum	amon #1 Test No. #3 Date 2/13/14 - Inc Elevation 2338 KB 2333 GL Tow, #5 67/14 - 8827
Co. Rep/Geo. Farer former	Rig WW #/C Rig WW #/C State #5
Interval Tested 4246 434	Zone Tested John St.
Anchor Length	Drill Pipe Run ///04/ Mud Wt. 7.
Top Packer Depth	Drill Collars Run Vis Vis
Bottom Packer Depth 4246	Wt. Pipe Run WL
Total Depth 4346	Chlorides 7800 ppm System LCM T
Blow Description // blow	
Surface returns	n 8min died in 15min
Rec Feet of @ao	5 %gas 95 %oil %water %mud
Rec 94 Feet of 90cm	/ c %gas 40 %oil %water 50 %mud
Rec 122 Feet of Socm	/ 0 %gas / 0 %oil %water 80 %mud
RecFeet of	%gas %oil %water %mud
Rec Feet of 30 GM ST	wile / %gas %oil %water %mud
Rec Total	Gravity 3/ API RW @ F Chloridesppm
(A) Initial Hydrostatic 2105	Test 1250 T-On Location 00:30
(B) First Initial Flow 23	Jars 250 T-Started 00:45
(C) First Final Flow <u>93</u>	✓ Safety Joint 75 T-Open 62:52
(D) Initial Shut-In 1246	Circ Sub A/C
(E) Second Initial Flow	☐ Hourly Standby
(F) Second Final Flow	Comments
(G) Final Shut-In	Sampler
(H) Final Hydrostatic 2023	☐ Straddle ☐ Ruined Shale Packer

Approved By _ Our Representative___ Approved By

Trilobite Testing Inc. shalf 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.

Sub Total 1736.20

☐ Extra Packer _____

☐ Extra Recorder _____

☐ Day Standby _____

☐ Accessibility _____

☐ Shale Packer_____



RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56279

Drill Collars Run			······		7		
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Rec	Rec	Feet of CM360CC		<i>2</i> ⊘ %gas		ar 1879.	//5 %muc
Rec Feet of Ro Feet of R	Rec	Feet of awwoils	Sur	° %gas S	Sum%oil	<i>≲o</i> %water	%muc
Approved By Aproved By Aproved By Apriled Hydrostatic BHT /26 Gravity 3/ API RW 356 @ 16 F Chlorides 35 006 pp. Aproved By API RW 356 @ 16 F Chlorides 35 006 pp.	Rec	Feet of	-eo	%gas \	%oil	%water	%muc
A) Initial Hydrostatic	Rec	Feet of 180 (3775)	N TIPE				%muc
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Salety Joint 75 T-Open 20:55	(A) Initial Hydrostatic_	2142	~		name and the second sec	1000	2
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D) Initial Shut-In	(C) First Final Flow	163	Safety Joint	75	-		and the second s
E) Second Initial Flow F) Second Final Flow G) Final Shut-In H) Final Hydrostatic Straddle			Circ Sub _//	<u>/C</u>			
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Shale Packer	(G) Final Shut-In	//88	☐ Sampler		Microsoft de Company (Company Company		
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Final Flow 30 Day Standby Total 2586.20 Final Shut-In 30 Day Standby MP/DST Disc't Sub Total 2586.20 Approved By Our Representative Our Representative Substance of the end for whom a test is mixed or for any loss suffered or sustained, directly according to the end for whom a test is mixed or for any loss suffered or sustained, directly according to the end for whom a test is mixed or for any loss suffered or sustained, directly according to the end for whom a test is mixed or for any loss suffered or sustained, directly according to the end for whom a test is mixed or for any loss suffered or sustained, directly according to the end for whom a test is mixed or for any loss suffered or sustained, directly according to the end for whom a test is mixed or for any loss suffered or sustained, directly according to the end for whom a test is mixed or for any loss suffered or sustained.	Initial Open 30		Extra Packer		O E	xtra Copies	
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Approved by	/1	\mathcal{M}	and the second	Was a second			51 1
Trilobite Testing Inc. shall not be liable for damaged of any kind of the property of personner of the one for whom a test is made, or the party for whom the test is made.	Approved By	~ //	no as passaged of the one for what	m a toet ie made, or for a	inv loss suffered or sus	stained, directly or indirectly th	rough the use of it
	Trilobite Testing Inc. shall not b equipment, or its statements or	e liable for damaged of any kind of the propert opinion concerning the results of any test, too	y or personner or the one for whole shall lost or damaged in the hole shall be shall	all be paid for at cost by	the party for whom the	test is made.	