

Confidentiality Requested:

☐ Yes ☐ No

# Kansas Corporation Commission Oil & Gas Conservation Division

1173846

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:	Feet from
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)  Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SWD □ SIOW	Producing Formation:
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW ☐ Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West
Recompletion Date Recompletion Date	County: Permit #:

#### **AFFIDAVIT**

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

**Submitted Electronically** 

KCC Office Use ONLY									
Confidentiality Requested									
Date:									
Confidential Release Date:									
Wireline Log Received									
Geologist Report Received									
UIC Distribution									
ALT I II 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	n. 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	ed Type and Percent 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 morvari of	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										
Fotimeted Device 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	Sherwin Trust 1
Doc ID	1173846

# Tops

Name	Тор	Datum
Anhy.	1778	(+ 673)
Base Anhy.	1808	(+ 643)
Heebner	3736	(-1285)
Lansing	3779	(-1328)
ВКС	4092	(-1641)
Marmaton	4134	(-1683)
Ft. Scott	4285	(-1834)
Cherokee Sh.	4307	(-1856)
Miss.	4381	(-1930)
Miss. Por.	4381	(-1930)
LTD	4523	(-2072)



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



# Invoice

DATE	INVOICE#
11/11/2013	25786

RECEIVED

NOV 1 4 2013

\$6,316.72

BILL TO

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

**We Appreciate Your Business!** 

- Acidizing
- Cement

Total

Tool Rental

TERMS	Well N	lo.	Lease	County	Contractor	We	ІІ Туре	We	ell Category	Job Purpose	Operator
Net 30	#1		Sherwin Trust	Ness	Cheyenne Well Se		Oil	D	evelopment	Cement Port Co	llar Jason
PRICE	REF.			DESCRIPT	ION		QT	1	UM	UNIT PRICE	AMOUNT
575D 576D-D 105 276 290 330 581D 582D		Pun Port Floo D-A Swi Serv Min	uir ft Multi-Density S vice Charge Ceme imum Drayage C	tal With Man Standard (MID ent harge	CON II)			1 45 2 175 200	Miles Job Each Lb(s) Gallon(s) Sacks Sacks Each	6.00 1,500.00 350.00 2.50 42.00 18.50 2.00 250.00	150.00 1,500.00 350.00T 112.50T 84.00T 3,237.50T 400.00 250.00 6,084.00 232.72



ADDRESS
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TICKET 25786

wekhousensummenensummenensummenensummenensummenensummenensummenensummenensummenensummenensummenensummenensumme	DATE SIGNED 1 NOU / S TIME SIGNED / S 3 D P.M.	RK OR DELIVERY OF GOO	LIMITED WARRANTY provisions.	the terms and conditions on the reverse side hereof which include, but are not limited to PAYMENT RELEASE INDEMNITY and	LEGAL TERMS: Customer hereby acknowledges and agrees to		300	330	290	276	105	5/6	pri and /	265	PRICE SECONDARY REFERENCE/ ACCOUNTING STERENCE PART NUMBER LOC ACCT	REFERRAL LOCATION INVOICE INSTRUCTIONS	-	2. TICKET TYPE CONTRACTOR  SERVICE CAP LENN	NO.	rvices, Inc.	CITY, STATE, ZIP CODE
de de me dente-	7	≥ & O.≥ ≤	SWIFT SERVICES, INC.	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		MULLIMUM DRAYAGE	CEMENT SERVICE CHARGE	SMD CEMENT	サーカイス		PORT COLLAR OPENING TOOL	Purvip CHARGE	1	WIII FACE \$ 1/2	DESCRIPTION		WELL CATEGORY JOB PURPOSE  WELL CATEGORY  JOB PURPOSE  TORI COLLAR	CHAELIENNE WELL SERU, RIGNAMENO. SHIPPED VIA	SHERWIN TRUST 1 COUNTYPARISH STATE		ZIP CODE
CUSTOMER DID NOT WISH TO RESPOND	TE TOO SKITSTIED WITH OOK SEKVICE?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	ITHOUT DELAY?	RMED	SURVEY AGREE DECIDED AGREE	19970/bs 249.62, im	200 Sx	175 SX	2) Spr	45/18					QTY. UM QTY. UM		WELL PERMIT NO.	DELIVERED TO OF	REELER, KS III		
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SWIFT OPERATOR

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

Thank You

APPROVAL

SWIFT Services, Inc.

DATE I NOUS PAGE NO.

10R F								ICOO, INC. PAGENO
TALO	MNOA	ETROLEI	WELL NO.			SHERW	IN TRI	NST \$ / CEMENT FORT COLLAR TICKET NO. 25786
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUN	APS C	PRESSUR TUBING		DESCRIPTION OF OPERATION AND MATERIALS
	1145	,						ON LOCATION
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***************************************								Chemail SUSX 10711
	1249			7		1000		CLOSE PORT COLLAR-TEST-HELD
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Services. Inc.

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



# Invoice

DATE	INVOICE#
11/2/2013	25687

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	o.	Lease	County	Contractor	We	II Туре	W	ell Category	Job Purpose	9	Operator
Net 30	#8		Sherwin Trust	Ness	Pickrell Drilling		Oil	D	evelopment	Cement LongStr	ri	Blaine
PRICE F	REF.			DESCRIPT	ION		QTY	′	UM	UNIT PRICE	F	AMOUNT
575D 578D-L 400-5 401-5 403-5 404-5 409-5 410-5 194 330 325 284 283 285 276 281 221 581D 582D		Pum 5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1	: R-1	Tith Auto Fill of the A	CON II)			1 1 2 1 10 1 125 100 5 500 50	Sacks Sack(s) Lb(s) Lb(s) Lb(s) Gallon(s) Gallon(s)	6.00 1,500.00 200.00 175.00 300.00 2,900.00 90.00 100.00 250.00 18.50 14.50 35.00 0.20 4.50 2.50 1.25 25.00 2.00 250.00		120.00 1,500.00 200.00T 175.00T 600.00T 2,900.00T 900.00T 100.00T 2,312.50T 1,450.00T 175.00T 100.00T 225.00T 250.00T 625.00T 100.00T 450.00 250.00 12,682.50 637.29

We Appreciate Your Business!

**Total** 

\$13,319.79



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SERVICE LOCATIONS REFERRAL LOCATION Services, Sher WELL/PROJECT NO. Inc INVOICE INSTRUCTIONS TICKET TYPE | CONTRACTOR | SERVICE | SALES WELL TYPE CITY, STATE, ZIP CODE INCO! time B RIG NAME/NO. COUNTY/PARISH 10 SHIPPED STATE 大公 DELIVERED TO WELL PERMIT NO CITY Beeler DATE ORDER NO WELL LOCATION 2/13 34-17-26 PAGE OWNER 2 ŷ

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the terms and condi	the terms and conditions on the reverse side hereof which include,	of which	include,	ALCOHOLD 1	TAYVIEN O. OUR EQUIPMENT PERFORMED	PERFORMED				PAGE TOTAL	10 HO

the terms and conditions on the reverse side hereof which include, LIMITED WARRANTY provisions. but are not limited to, PAYMENT, RELEASE, INDEMNITY, and

START OF WORK OR DELIVERY OF GOODS MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO

DATE SIGNED TIME SIGNED

SWIFT OPERATOR

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES. The customer hereby acre

APPROV

SWIFT SERVICES, INC. NESS CITY, KS 67560 P.O. BOX 466 785-798-2300

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
WE UNDERSTOOD AND ARE YOU SATISFIED WITH OUR SERVICE? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? PERFORMED WITHOUT DELAY? OUR SERVICE WAS MET YOUR NEEDS? CUSTOMER DID NOT WISH TO RESPOND ONO Sub total PAGE IOIAL 0°15/ TOTAL 0 12682 5 w 5937 6 010

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Thank You



# PO Box 466

TICKET CONTINUATION

No. 25687

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																				)				MBER LOC ACCT DF TIME	Ness City, KS 67560 Off: 785-798-2300	PO 80x 466
13	CHARGE TOTAL WEIGHT 2914 LOADED MILES	0	min Drygose												O	KC Capid	mudflush	Flocale	CRR-1			STANDAD COMENT ( ROCKT )	SMD coment		CUSTOMER DIVINIO PAROLOUM	-
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CONTINUATIONTOTAL

SWIFT Services, Inc. **JOB LOG** DATE NOV 13 PAGENO. CUSTOMER Pulsaro Petroleur WELL NO. 48 JOB TYPE comment long storing Shopun Teust PRESSURE (PSI) CHART VOLUME (BBL) (GAL) TIME TC TUBING 125 5 mD in 1 ft flocale. 100 3AZ in 1 ft flocale.
107 Hs 52 14th Cusing shoe it 42'
Controlizars 1, 2, 3, 4, 56, 7, 8 9, 65 BASKet 2,66 PostCalker 466 1737 on loc YRK 110 1500 Start 52" × 14# cusing in well Drop bull - circulate - play container 42 Pump 500gel midflish Pump 20 bbl KCL plush 20 对点 29 1945 Release pressure totack dried up 2000 2010 Bline Jonathan BAAC



PO Box 93999 Southlake, TX 76092 RECEIVED NOV 0 4 2013

Invoice Number: 139410

INVOICE

Invoice Date: Oct 25, 2013

Page: 1

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

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St.

Newton, KS 67114-8827

Now Includes:



Customer ID	Field Ticket#	Payment	Terms
Palo	61863	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Oct 25, 2013	11/24/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELLNAME	Sherwin Trust #1		
160.00	CEMENT MATERIALS	Class A Common	17.90	2,864.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
5.00	CEMENT MATERIALS	Chloride	64.00	320.00
173.00	CEMENT SERVICE	Cubic Feet	2.48	429.04
197.25	CEMENT SERVICE	Ton Mileage	2.60	512.85
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
25.00	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
1.00	EQUIPMENT OPERATOR	Charles Kinyon		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	OPERATOR ASSISTANT	Kevin Weighous		
		Subtatal		6 010 84

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

1,202.16

ONLY IF PAID ON OR BEFORE
Nov 19, 2013

Subtotal	6,010.84
Sales Tax	200.13
Total Invoice Amount	6,210.97
Payment/Credit Applied	
TOTAL	6,210.97

# ALLIEL OIL & GAS SERVICES, LLC 061863

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

#### SERVICE POINT:

great BeND

10-25-13 SEC. TWP. RANGE DATE 175 264	CALLED O	OUT Pm	ON LOCATION 8:00 pm	JOB START	JOB FINISH
SLERION				COUNTY	STATE
LEASE TRAST WELL# 1 LOCATION DEE	IER TR	CRD	NTO190	Ness	155
	v ro			_	
CONTRACTOR PickBell	ΛWO	IER Pa	lomino		
TYPE OF JOB SUR Face					
HOLE SIZE 124 T.D. 222		IENT			
CASING SIZE 8 24 DEPTH 222	AMC	UNT OR	DERED <u>160</u>	SKS C/G	<u>55 4</u>
TUBING SIZE DEPTH	<u> </u>	° CC	27,501		
DRILL PIPE DEPTH					
TOOL DEPTH	,				201400
PRES. MAX MINIMUM	COM	IMON	160	_@ <u>\7\70</u>	2.864.00
MEAS. LINE SHOE JOINT	POZ	MIX		_ @	
CEMENT LEFT IN CSG. 15 F7	GEL			_@ <u>23.30</u>	76-20 320.00
PERFS.			5		520
DISPLACEMENT H20 13.18 BB1	ASC				
EQUIPMENT	<del></del>			@ @	
			· · · · · · · · · · · · · · · · · · ·	_	
PUMPTRUCK CEMENTER Charles Kinyon	<u> </u>				
# 398 HELPER MIKE SCOTHORN					
BULK TRUCK	<del></del>			@	
# 344-170 DRIVER KEVIN WEISLOWS	e -				
BULK TRUCK				@	
# DRIVER	— HAì	NDLING_	173 1	_@ <u>2.78</u>	423.04
	MIL	EAGE Z	.89 X 25 X	2.60	215. 25
REMARKS:				TOTA	L 4.196.99
RUN 222' CSG BREAK CIRCULATIO	01-				
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mix 160 SKS Class A 31.00 21.8	-e/				
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Thank You!					
4					
To: Allied Oil & Gas Services, LLC.					
You are hereby requested to rent cementing equipment	nt —				
and furnish cementer and helper(s) to assist owner or					
contractor to do work as is listed. The above work w	'as				_
done to satisfaction and supervision of owner agent of				TOTA	\L
contractor. I have read and understand the "GENERA	AT				
TERMS AND CONDITIONS" listed on the reverse s	side. SA	LES TAX	(If Any)	~ 84	
. / /	TO	TAL CHA	ARGES 6.01	<u>u. 54</u>	
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PRINTED NAME X / // RENT	DIS	SCOUNT			AID IN 30 DAIS
in the things			4.80	7 Q · 🙈	AID IN 30 DAYS
SIGNATURE X MALL MA			, -	•	



Prepared For:

**Palomino Petroleum** 

4924 SE 84th St Newton, KS 67114

ATTN: Andrew Stenzel

#### **Sherwin Trust #8**

# 34 17s 26w Ness,KS

Start Date: 2013.11.01 @ 00:27:00

End Date:

2013.11.01 @ 07:49:00

Job Ticket #: 55602

DST#: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

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



Palomino Petroleum

34 17s 26w Ness, KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8

Job Ticket: 55602

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2013.11.01 @ 00:27:00

#### GENERAL INFORMATION:

Formation:

Mississippian

Deviated:

Time Tool Opened: 02:17:30

Time Test Ended: 07:49:00

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Bradley Walter

Unit No:

69

Reference Elevations:

2451.00 ft (KB) 2444.00 ft (CF)

Interval: Total Depth: Hole Diameter: 4298.00 ft (KB) To 4402.00 ft (KB) (TVD)

4402.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

KB to GR/CF:

7.00 ft

Serial #: 8677 Press@RunDepth: Inside

408.90 psig @

4299.00 ft (KB)

Capacity:

8000.00 psig

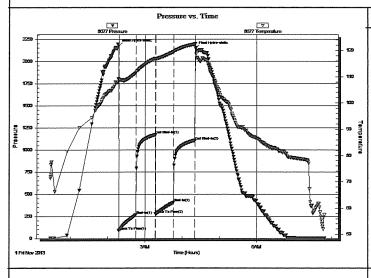
Start Date: Start Time: 2013.11.01 00:27:05 End Date: End Time: 2013.11.01 07:48:59 Last Calib.:

2013.11.01

Time On Btm: Time Off Btm: 2013.11.01 @ 02:17:00 2013.11.01 @ 04:20:45

TEST COMMENT: IF: BOB @ 3 1/2 min.

ISI: 1/2" return. FF: BOB @ 3 1/2 min. FSI: 2" return.



## PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2175.05	109.16	Initial Hydro-static
1	84.86	108.69	Open To Flow (1)
28	267.80	111.53	Shut-In(1)
60	1171.36	116.97	End Shut-In(1)
60	277.58	116.62	Open To Flow (2)
89	408.90	119.51	Shut-ln(2)
123	1104.39	122.34	End Shut-In(2)
124	2144.20	122.62	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
90.00	gocm 30g 30o 40m	1.26
230.00	gmco 40g 10m 50o	3.23
350.00	gmco 30g 35m 35o	4.91
270.00	go 30g 70o	3.79
0.00	320' GIP	0.00
* Recovery from n	nultiple tests	•

#### Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 55602

Printed: 2013.11.06 @ 10:41:35



Palomino Petroleum

34 17s 26w Ness, KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8

Job Ticket: 55602

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2013.11.01 @ 00:27:00

#### **GENERAL INFORMATION:**

Formation:

Mississippian

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Bradley Walter

Time Tool Opened: 02:17:30 Time Test Ended: 07:49:00

4298.00 ft (KB) To 4402.00 ft (KB) (TVD)

Unit No: 69

2451.00 ft (KB)

Interval: Total Depth:

Reference Elevations:

2444.00 ft (CF)

4402.00 ft (KB) (TVD)

KB to GR/CF:

7.00 ft

Hole Diameter:

Outside

Serial #: 8522 Press@RunDepth:

psig @

7.88 inches Hole Condition: Good

4299.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2013.11.01

End Date:

2013.11.01

Last Calib.:

2013.11.01

Start Time:

00:27:05

End Time:

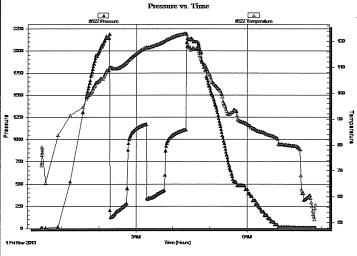
07:50:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 3 1/2 min.

ISI: 1/2" return. FF: BOB @ 3 1/2 min. FSI: 2" return.



## PRESSURE SUMMARY

_				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
٠,				
Temperature				
ture.				

#### Recovery

Length (ft)	Description	Volume (bbl)			
90.00	gocm 30g 30o 40m	1.26			
230.00	gmco 40g 10m 50o	3.23			
350.00	gmco 30g 35m 35o	4.91			
270.00	go 30g 70o	3.79			
0.00	320' GIP	0.00			
* Recovery from multiple tests					

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 55602

Printed: 2013.11.06 @ 10:41:35



Length:

## DRILL STEM TEST REPORT

**TOOL DIAGRAM** 

Palomino Petroleum

34 17s 26w Ness, KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8

Job Ticket: 55602

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2013.11.01 @ 00:27:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4280.00 ft Diameter:

0.00 ft Diameter: 0.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume:

Total Volume:

60.04 bbl 0.00 bbl 0.00 bbl

60.04 bbl

Tool Weight: Weight set on Packer: 25000.00 lb

2500.00 lb

Tool Chased

Weight to Pull Loose: 82000.00 lb 0.00 ft

String Weight: Initial 60000.00 lb

Final 63000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

4298.00 ft

Depth to Bottom Packer: Interval between Packers: 104.00 ft

9.00 ft

131.00 ft

Tool Length: Number of Packers:

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4272.00		
Shut In Tool	5.00			4277.00		
Hydraulic tool	5.00			4282.00		
Jars	5.00			4287.00		
Safety Joint	2.00			4289.00		
Packer	5.00			4294.00	27.00	Bottom Of Top Packer
Packer	4.00			4298.00		
Stubb	1.00			4299.00		
Recorder	0.00	8677	Inside	4299.00		
Recorder	0.00	8522	Outside	4299.00		
Perforations	4.00			4303.00		
Change Over Sub	1.00			4304.00		
Drill Pipe	94.00			4398.00		
Change Over Sub	1.00			4399.00		
Bullnose	3.00			4402.00	104.00	Bottom Packers & Anchor

**Total Tool Length:** 

131.00

Ref. No: 55602 Printed: 2013.11.06 @ 10:41:36 Trilobite Testing, Inc



**FLUID SUMMARY** 

Palomino Petroleum

34 17s 26w Ness, KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8

Job Ticket: 55602

DST#:1

ATTN: Andrew Stenzel

Test Start: 2013.11.01 @ 00:27:00

#### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Viscosity: Water Loss: 53.00 sec/qt 7.99 in³

Gas Cushion Type: Gas Cushion Pressure:

psig

ft

bbl

Resistivity: Salinity:

Filter Cake:

ohm.m 2400.00 ppm 1.00 inches

## **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
90.00	gocm 30g 30o 40m	1.262
230.00	gmco 40g 10m 50o	3.226
350.00	gmco 30g 35m 35o	4.910
270.00	go 30g 70o	3.787
0.00	320' GIP	0.000

Total Length: 940.00 ft Total

Total Volume: 13.185 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

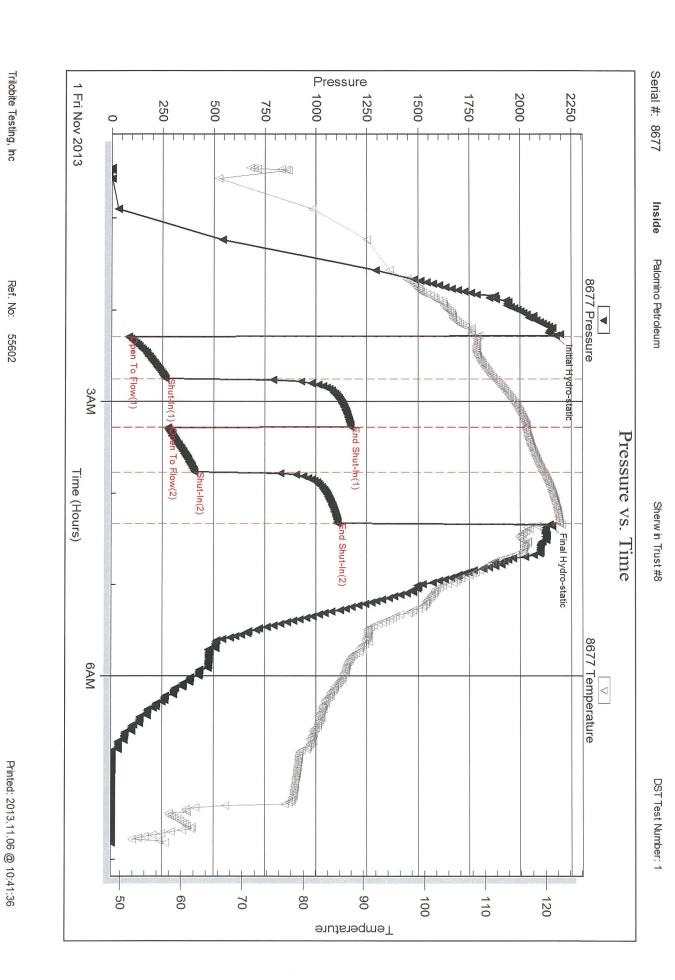
Serial #:

Laboratory Name:

Recovery Comments:

Laboratory Location:

Trilobite Testing, Inc Ref. No: 55602 Printed: 2013.11.06 @ 10:41:36





Trilobite Testing, Inc

Ref. No:

55602

Printed: 2013.11.06 @ 10:41:37



Prepared For:

**Palomino Petroleum** 

4924 SE 84th St Newton, KS 67114

ATTN: Andrew Stenzel

#### **Sherwin Trust #8**

# 34 17s 26w Ness,KS

Start Date:

2013.11.02 @ 00:03:00

End Date:

\_\_\_\_\_

. . \_ . . . . .

2013.11.02 @ 06:11:00

Job Ticket #: 55603

DST#: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601

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



Palomino Petroleum

34 17s 26w Ness, KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8 Job Ticket: 55603

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.11.02 @ 00:03:00

#### GENERAL INFORMATION:

Formation:

Mississippian

Deviated: No

Whipstock:

ft (KB)

Test Type: Conventional Straddle (Reset)

Tester: Unit No:

Bradley Walter

Time Tool Opened: 01:45:00 Time Test Ended: 06:11:00

Interval:

Hole Diameter:

4405.00 ft (KB) To 4418.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Total Depth:

4523.00 ft (KB) (TVD)

Reference Elevations:

2451.00 ft (KB)

2444.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 8678 Press@RunDepth: Outside

78.29 psig @

4406.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2013.11.02 02:03:05

End Date: End Time:

2013.11.02 08:10:59 Last Calib.:

2013.11.02

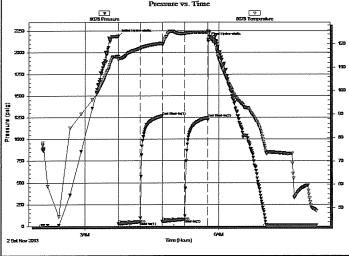
Time On Btm: Time Off Btm: 2013.11.02 @ 03:44:45

2013.11.02 @ 05:45:45

TEST COMMENT: IF: 5" blow.

ISI: No return.

FF: 4 1/2" blow. FSI: No return.



#### PRESSURE SUMMARY Time Pressure Temp Annotation (Min.) (deg F) (psig) 0 2186.81 114.42 Initial Hydro-static 1 24.06 113.19 Open To Flow (1) 30 50.03 117.94 Shut-In(1) 1265.61 End Shut-In(1) 60 120.17 Open To Flow (2) 60 52.43 119.59 90 78.29 124.33 Shut-In(2) 121 1247.14 124.89 End Shut-In(2) 2146.58 Final Hydro-static 121 125.17

#### Recovery

Length (ft)	Description	Volume (bbl)
120.00	somcw 1o 19m 80w	1.68
* Recovery from r	nultiple tests	4

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

Printed: 2013.11.06 @ 10:41:10 Trilobite Testing, Inc Ref. No: 55603



Palomino Petroleum

34 17s 26w Ness,KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8

Job Ticket: 55603

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.11.02 @ 00:03:00

#### **GENERAL INFORMATION:**

Formation:

Interval:

Total Depth:

Hole Diameter:

Mississippian

Whipstock:

4523.00 ft (KB) (TVD)

Deviated: No Time Tool Opened: 01:45:00

Time Test Ended: 06:11:00

ft (KB)

Test Type: Conventional Straddle (Reset)

Tester:

Bradley Walter

Unit No:

69

Reference Elevations:

2451.00 ft (KB)

2444.00 ft (CF)

7.88 inches Hole Condition: Good

4405.00 ft (KB) To 4418.00 ft (KB) (TVD)

KB to GR/CF:

7.00 ft

Serial #: 8677 Press@RunDepth:

psig @

4406.00 ft (KB)

2013.11.02

Capacity: Last Calib .: 8000.00 psig

Start Date: Start Time: 2013.11.02

End Date:

2013.11.02

02:03:05

End Time:

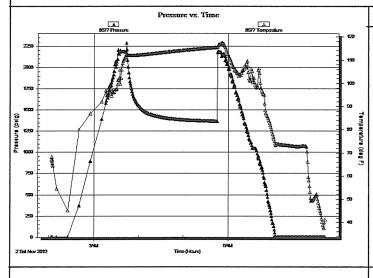
08:09:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 5" blow.

ISI: No return. FF: 4 1/2" blow. FSI: No return.



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

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
120.00	somcw 1o 19m 80w	1.68
* Recovery from n	nultinie tests	

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Ref. No: 55603 Trilobite Testing, Inc Printed: 2013.11.06 @ 10:41:10



Palomino Petroleum

34 17s 26w Ness,KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8

Job Ticket: 55603

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.11.02 @ 00:03:00

#### **GENERAL INFORMATION:**

Formation:

Interval:

Total Depth:

Hole Diameter:

Mississippian

Deviated: No

Time Tool Opened: 01:45:00

Time Test Ended: 06:11:00

Whipstock:

ft (KB)

Test Type: Conventional Straddle (Reset)

Tester:

Bradley Walter

Unit No: 69

Reference Elevations: 2451.00 ft (KB)

2444.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 8522

Below (Straddle)

4523.00 ft (KB) (TVD)

Press@RunDepth:

psig @

4405.00 ft (KB) To 4418.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

4426.00 ft (KB)

2013.11.02

Capacity: Last Calib .: 8000.00 psig

Start Date:

2013.11.02

End Date:

Time On Btm:

2013.11.02

Start Time:

02:03:05

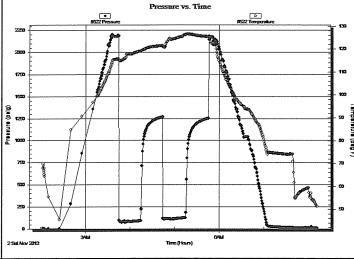
End Time:

08:11:59

Time Off Btm:

TEST COMMENT: IF: 5" blow.

ISI: No return. FF: 4 1/2" blow. FSI: No return.



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

#### Recovery

Length (ft)	Description	Volume (bbl)
120.00	somcw 1o 19m 80w	1.68
* Recovery from n	nultiple tents	

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

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

Trilobite Testing, Inc Ref. No: 55603 Printed: 2013.11.06 @ 10:41:10



**TOOL DIAGRAM** 

Palomino Petroleum

34 17s 26w Ness, KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8 Job Ticket: 55603

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.11.02 @ 00:03:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4403.00 ft Diameter:

25.00 ft

0.00 ft Diameter: 0.00 ft Diameter: 0.00 inches Volume:

3.80 inches Volume: 61.76 bbl 0.00 inches Volume:

Total Volume:

0.00 bbl

61.76 bbl

Tool Weight: 0.00 bbl

2500.00 lb Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 73000.00 lb Tool Chased

0.00 ft

String Weight: Initial 61000.00 lb

Final 61000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

4405.00 ft Depth to Bottom Packer: 4415.00 ft Interval between Packers: 10.00 ft

Tool Length: 145.00 ft

Length:

Number of Packers:

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4379.00		
Shut in Tool	5.00			4384.00		
Hydraulic tool	5.00			4389.00		
Jars	5.00			4394.00		
Safety Joint	2.00			4396.00		
Packer	5.00			4401.00	27.00	Bottom Of Top Packer
Packer	4.00			4405.00		
Stubb	1.00			4406.00		
Recorder	0.00	8677	Inside	4406.00		
Recorder	0.00	8678	Outside	4406.00		
Perforations	8.00			4414.00		
Blank Off Sub	1.00			4415.00		
Packer	3.00			4418.00		
Blank Spacing	1.00			4419.00	10.00	Tool interval
Packer	5.00			4424.00		
Perforations	1.00			4425.00		
Change Over Sub	1.00			4426.00		
Recorder	0.00	8522	Below	4426.00		
Drill Pipe	93.00			4519.00		
Change Over Sub	1.00			4520.00		
Bullnose	3.00			4523.00	108.00	Bottom Packers & Anchor

**Total Tool Length:** 

145.00

Ref. No: 55603 Printed: 2013.11.06 @ 10:41:11 Trilobite Testing, Inc



**FLUID SUMMARY** 

Palomino Petroleum

34 17s 26w Ness,KS

4924 SE 84th St New ton, KS 67114 Sherwin Trust #8
Job Ticket: 55603

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.11.02 @ 00:03:00

## **Mud and Cushion Information**

Mud Type: Gel Chem Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

34000 ppm

Viscosity:

52.00 sec/qt 9.59 in³

Gas Cushion Type: Gas Cushion Pressure: bbl psig

ft

Water Loss: Resistivity: Salinity:

Filter Cake:

ohm.m 2400.00 ppm

1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl	
120.00	somcw 1o 19m 80w	1.683	

Total Length:

120.00 ft

Total Volume:

Serial#:

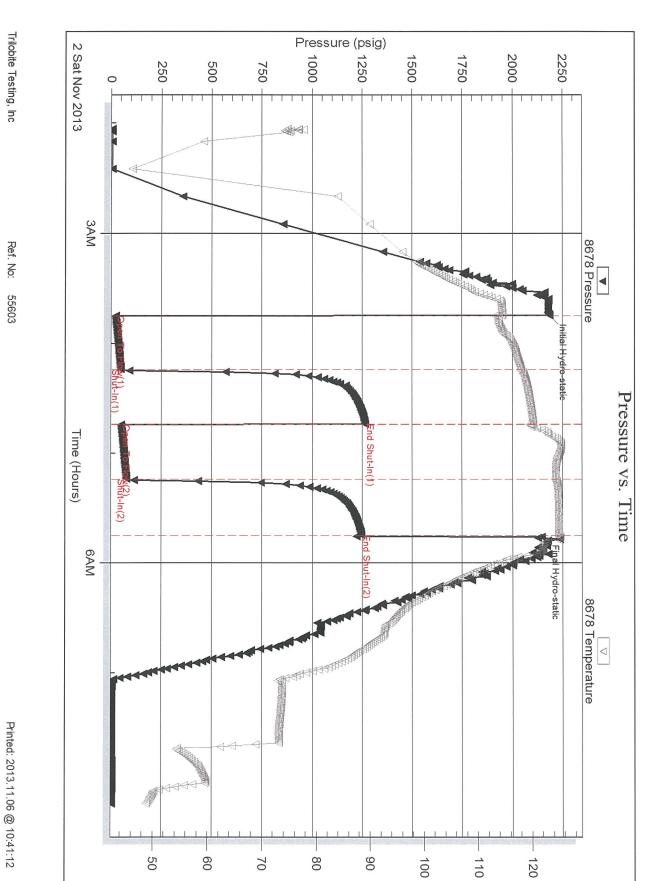
1.683 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Laboratory Name: Laboratory Location: Recovery Comments: rw is .450 @ 41F = 34000ppm

Trilobite Testing, Inc Ref. No: 55603 Printed: 2013.11.06 @ 10:41:11



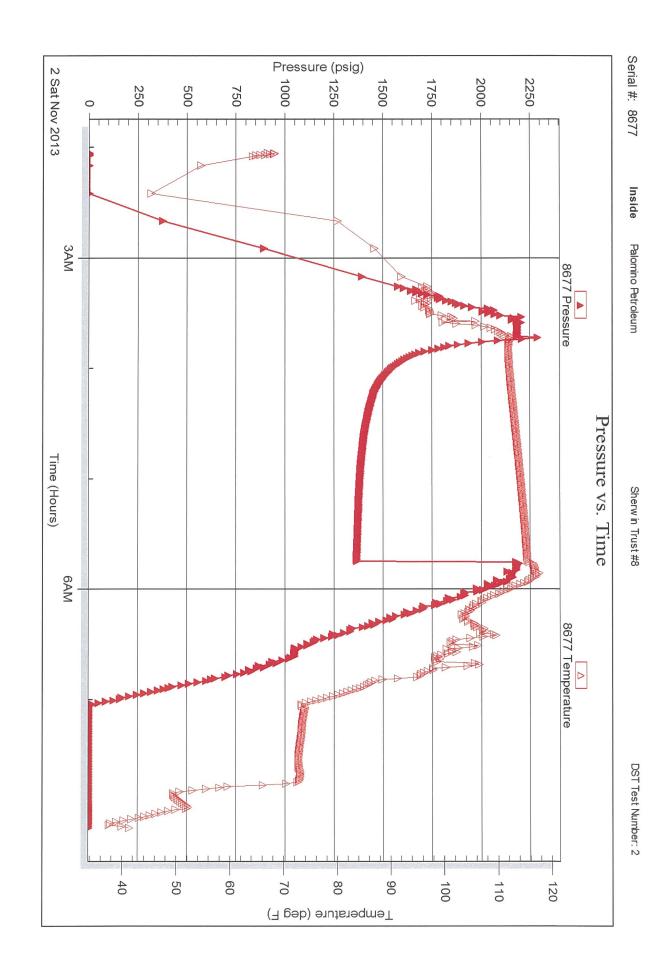
Temperature (deg F)

Serial #: 8678

Outside Palomino Petroleum

Sherw in Trust #8

DST Test Number: 2

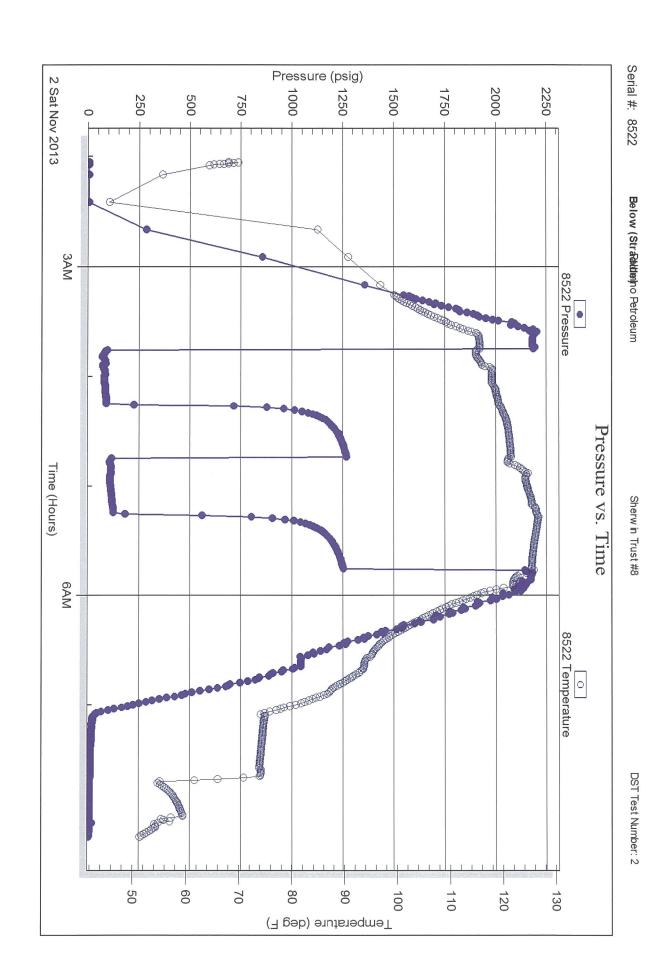


Trilobite Testing, Inc

Ref. No:

55603

Printed: 2013.11.06 @ 10:41:12



Trilobite Testing, Inc

Ref. No:

55603

Printed: 2013.11.06 @ 10:41:12



# **Test Ticket**

NO. 55602

[ESTING	INC.				
1515 Commerce Pa	rkway	•	Hays,	Kansas	67601

Well Name & No.	SL	el VIN	Trust	<b>毕</b> (	Test No.	1	Date	4/01/	3
Company	Palon	ino Pel	roleum			2451		2496	ł GL
Address	•			,					
Co. Rep / Geo	-			A CONTRACTOR OF THE CONTRACTOR	Rig	0 . 11	-4-4		
Location: Sec.				je. <u>27. u</u> J		ilers		1 .	- Color - Walled Color - Color
Interval Tested			*			6510 BIR W			
Anchor Length			e de la companya del companya de la companya del companya de la companya del la companya de la c	Drill Pipe Run		, , _	Mud Wt	1.3	The second secon
Top Packer Depth _				Drill Collars Rur				53	
Bottom Packer Depth	, 4	1298	e provincia de la companio del la companio de la companio de la companio del la companio de la companio del la companio de la companio del la companio d	Wt. Pipe Run_		Fr.	WL_		
Total Depth			arranga na			ppm System			and the second s
Blow Description			0 3/2	min	and the same of th	<b>P P P P P P P P P P</b>	in a department of the		illininisi kale kalektiinisti kalektiininisti kuusi suure
Pion pascribitor	ISI:		low bac	į.					
	FF.		- L	min	anne an ann ann agus ann ann ann ann ann an Aire ann an Aire an Aire ann an Aire ann an Aire ann an Aire an Ai				
	fST;		return						
Rec 270	Feet of _	60			30 %gas	70 %oil		%water	%mud
Rec <u>350</u>	Feet of _	EMC	<u> </u>		30 <sub>%gas</sub>	25 ‰il		%water <i></i> プリ	≶ %mud
Rec <u>230</u>	Feet of _	EMC	0		40%gas	5 () %oil	an pangangan ang mangangan ang mangangan ang mangan ang mangan ang mangan ang mangan ang mangan ang mangan ang	%water /()	%mud
Rec <u>90</u>	Feet of _	66c			30′%gas	ZC%oil		%water 4	0 %mud
Rec		,	20 €	ZP	%gas	%oil		%water	%mud
Rec Total9		BHT	122 Gr	avity <u>38</u>	API RW	@	F Chloride	es ————	ppm
(A) Initial Hydrostatio			7 –	∑ Test <u>1250</u>		MANUFACTURE CONTRACTOR		6060	
(B) First Initial Flow_		(	**************************************	√ Jars <u>250</u>				0027	
(C) First Final Flow _		26	<u> </u>	X Safety Joint	75			0218	n e e e e e e e e e e e e e e e e e e e
(D) Initial Shut-In		113	71 >	Circ Sub N/C				04 (8 ) 7 5 0	
(E) Second Initial Flo	ow	2-	18 0	Hourly Standby	· ·		-	, , , , ,	
(F) Second Final Flo	ww	4(	<u>19</u> 5	Mileage <u>95</u>	<u>KT 144.1</u>	5			
(G) Final Shut-In		110	4 6	Sampler		applicable parameter			
(H) Final Hydrostatio		216	tt c	3 Straddle		O R	uined Sha	le Packer	
				3 Shale Packer_		O F	luined Pac	ker	
Initial Open				Extra Packer _		O E	xtra Copie	\$	
Initial Shut-In			<u>30</u> c	☐ Extra Recorder		Sub	Total 0		
Final Flow			<u> </u>	Day Standby _		Total	1719	. 15	
Final Shut-In			30 .	Accessibility _		MP/I	DST Disc	't	
			5	Sub Total 1719	. 15		1 B	1	
Approved By				(	Our Representat	tive	11/1		

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.



# **Test Ticket**

NO. 55603

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Sherwin Trust		Test No.	2	Date	02/13
Company Palomino Petro	leum	Elevation	2431	кв <u>24</u>	<u>+4</u> GL
Address 4924 SE 84:14					
Co. Rep/Geo. Andrew Stenze	. (	Rig Pro	kvell H	10	
Location: Sec. 34 Twp. 175	Rge26w	Co	<u> </u>	State _	<u> </u>
Interval Tested 4405 - 4418	Zone Tested	Miss 1994	qua		
Anchor Length13	Drill Pipe Run	440 3		Mud Wt	
Top Packer Depth 4400 4405	Air		*	Vis 5 <	2
Bottom Packer Depth 4418 - 442	3 (Sim Wt. Pipe Run	Ø		WL 9.6	7
Total Depth 4523	Chlorides2	_40Uppr	n System	LCM Z#	
Blow Description TF! 5 blow					
ISTI No 1e	1000				
FF: 4 2" blow				**************************************	
FSI: No 10	UNA				
Rec 120 Feet of SCMCW		%gas	/ %oil	多の %water	19 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total120BHT124	Gravity	API RW 1450	<u> </u>	F Chlorides	24000 ppm
(A) Initial Hydrostatic 2187	Test 1250		T-On L	ocation <u>0030</u>	
(B) First Initial Flow 24	***************************************		nne	led <u> </u>	?
(C) First Final Flow 50	Safety Joint 75			n <u>0344</u>	f.
(D) Initial Shut-In 1266	Circ Sub Ke/C			ed 0544	
(E) Second Initial Flow				0812	
(F) Second Final Flow	Mileage <u>93 k</u> 1	144.15	****	ents	
(G) Final Shut-In 1247	Sampler				
(H) Final Hydrostatic 21 4 7	Straddle 60	0	- 🗆 Ru	ined Shale Packer	
	Shale Packer_2	50		ined Packer	
Initial Open	Li Extra Packer			tra Copies	
Initial Shut-In30	Extra Recorder _				
Final Flow	Day Standby		Total		Militaria de militario de milit
Final Shut-InO	Accessibility	MM-break Millower And Green from send regards blampedo se tratación nom se a servicio con actual y a sussidiad	_ MP/D	ST Disc't	
	Sub Total 2569.1	5	- 11	1/2/2/2000	and the state of t
Approved By	Ou	r Representative	Al B		

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