



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

# Invoice

DATE	INVOICE #
4/27/2018	31387

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

RECEIVED  
 MAY 03 2018

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#4	Uehling-Sch...	Ness	Express Well	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				25	Miles	5.00	125.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,300.00	1,300.00
330	Swift Multi-Density Standard (MIDCON II)				200	Sacks	16.25	3,250.00T
328-4	60/40 Pozmix (4% Gel)				200	Sacks	10.60	2,120.00T
276	Flocele				50	Lb(s)	2.50	125.00T
288	Sand (20/40 Brady)				1	Sack(s)	22.00	22.00T
275	Cotton Seed Hulls				2	Sack(s)	30.00	60.00T
581D	Service Charge Cement				400	Sacks	1.75	700.00
583D	Drayage				458.02	Ton Miles	0.85	389.32
	Subtotal							8,091.32
	Sales Tax Ness County						6.50%	362.51

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$8,453.83
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Services, Inc.

CHARGE TO:

Palomino Petroleum

TICKET 031387

ADDRESS

CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS  
1. *Nebraska* *KS*

WELL/PROJECT NO. *#1*

LEASE *Redwing Schwin*

COUNTY/PARISH *Neos*

STATE *KS*

CITY *Bazine*

DATE *27 APR 16*

OWNER

2.  SERVICE  
 SALES

TICKET TYPE

CONTRACTOR

RIG NAME/NO.

SHIPPED  W/OT

DELIVERED TO *Location*

ORDER NO.

WELL LOCATION

3. WELL TYPE *oil*

WELL CATEGORY *Production*

JOB PURPOSE *Chemt part other*

WELL PERMIT NO.

WELL PERMIT NO.

WELL LOCATION

4. REFERRAL LOCATION

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	25	mi			5.00	125.00
576D					TRAILER	1	ea			1300.00	1300.00
33D					Prod Charge	200	sk			16.25	3250.00
338-4					SWD cement	200	sk			10.00	2000.00
276					1000 per acre (100/acre)	50	sk			2.50	125.00
288					Flood	1	sk			22.00	22.00
275					Stand	2	sk			30.00	60.00
581					Other steel bills	400	sk			1.75	700.00
583					Service charge	3642	lb			0.85	3095.70
					Drillage						

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.  
X *Alan Blankfeld*  
DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

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

SURVEY  
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
WE UNDERSTOOD AND MET YOUR NEEDS?  
OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
ARE YOU SATISFIED WITH OUR SERVICES?  
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL *8091132*  
TOTAL *845383*  
KES5 TAX *10.50*  
*360251*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
SWIFT OPERATOR *APPA* APPROVAL  
Thank You!

JOB LOG

SWIFT Services, Inc.

DATE

27 APR 18

PAGE NO.

1

CUSTOMER *Delmar Petroleum*

WELL NO. #1

LEASE *Dehling-Schwan*

JOB TYPE *Cement port collar*

TICKET NO. 31387

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sk SMD cement w/ 1/4" floccle
								2805 1/2 port collar @ 1475 RBP @ 3270
								SPOT SAND @ 1790'
	0830							on loc TRR 114
	0920		50					circ oil from hole
			2			1000	1000	test to 1000 psi - held
	1035	3 1/2				300		open port collar - inj rate 3 1/2 @ 3600 psi
		3	120					Pump drilling mud - occasional circ
	1150							mix SMD cement @ 11.2 ppg w/ holls
		3	58			300		<del>1000</del> occasional circ
	1230							- stop - wait 30 min
	1300		55			300		mix SMD cement @ 11.2 ppg <del>1000</del>
								vary mixing speed - occasional circ
	1330							work mud - call for more cement
	1425							480 sk 60/40 4% on loc
		5				900		mix 60/40 702 4% @ 12.4 ppg
	1450	5	58			400		→ cement to surface ←
								<del>200 sk 60/40 mix</del>
								155 sk to pit
								480 sk mix cement
	1500					1000	1000	close port collar test to 1000 psi - held
	1510							Run 5 joints
			20					Ream hole clean
								- 2 cement flags -
	1525							Run tubing to RBP - 3270'
								wash truck
	1600		35					wash sand from plug
								get on RBP
	1630							Rack up
								job complete
								Thanks
								Steve, Phil, Isaac & Stephen

# SWIFT



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



## Invoice

DATE	INVOICE #
2/21/2018	31243

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

RECEIVED

FEB 26 2018

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Uehling-Sch...	Ness	WW Drilling Rig ...	Oil	Development	Cement 5 1/2 Lo...	David K.
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	5.00	100.00
578D-L	Pump Charge - Long String				1	Job	1,300.00	1,300.00
409-5	5 1/2" Turbolizer				10	Each	85.00	850.00T
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				100	Sacks	13.00	1,300.00T
284	Calseal				5	Sack(s)	35.00	175.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.50	125.00T
330	Swift Multi-Density Standard (MIDCON II)				100	Sacks	16.25	1,625.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
581D	Service Charge Cement				200	Sacks	1.75	350.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							10,884.00
	Sales Tax Ness County						6.50%	577.46

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$11,461.46
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CHARGE TO: Palomino Petroleum  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 031243

PAGE 1 OF 2

1. SERVICE LOCATIONS Jesse City, KS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
		Uchling - Schwien	Jesse	KS	Bazine	2-21-18	Same
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.		
	W & W Drilling	#10	CT	Location			
3. WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION			
	Oil	Development		Bazine - 8g, 1 1/2 Bay Sinks			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		AMOUNT
		LOC	ACCT	DF		UM	UM	PRICE		
575					MILEAGE		20	mi.	5.00	100.00
578					Tank # 112					
409					Pump Charge - Longstring		1	job	1300.00	1300.00
403					Turbolizer		10	ea	85.00	850.00
<del>407</del> 407					Cement Bucket		1	ea	275.00	275.00
406					Insert Float Shoe w/ Auto Fill		1	ea	325.00	325.00
404					Leak Down Plug + Baffle		1	ea	250.00	250.00
419					Port Collar		1	ea	2500.00	2500.00
					Rotating Head Rental		1	job	200.00	200.00

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.  
 X *David Kuehn*  
 DATE SIGNED 2-21-18 TIME SIGNED 2:00  A.M.  P.M.

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE #1	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	5800.00
WE UNDERSTOOD AND MET YOUR NEEDS?					5084.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					10884.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					577.46
TOTAL					11461.46

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES. The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR *David Kuehn* APPROVAL  
 Thank You!



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 31243

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE	UNIT PRICE	AMOUNT
		Loc	Acct	Dr			QTY	U/M	QTY	U/M			
825		1				Standard Cement (EA-21)						13	1300.00
284		1				Calscal	5	1/6	5	1/6		35	175.00
283		1				Self	10	1/6	500	1/6		00	100.00
285		1				CFR-1	1/2	1/6	50	1/6		4	225.00
276		1				Flocide	1/4	1/6	50	1/6		2	125.00
330		1				SMD Cement			100	1/6		16	1625.00
290		1				D-Air			2	1/6		42	84.00
281		1				Mud Flush			500	1/6		1	750.00
221		1				Liquid HCL			4	1/6		25	100.00
582		1				Minimum Drayage Charge			1	1/6		250	250.00
581		1				Minimum Service Charge			200	1/6		75	350.00

CONTINUATION TOTAL 5084.00

JOB LOG

SWIFT Services, Inc.

DATE 2-21-18 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomino Petroleum		# 1		Uehling-Schwieb		Longstring		31243	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1545								on location 5 1/2" 17"
									RTD- 4545' LTD- 4546' TP- 4548' SS- #1 42,36' PL- #75 1473' out- #11, #12, #13 Turbo- #1 #2 #5 #7 #9 #11 #13 #15 #17 #74 Basket - #75
	1630								Start 5 1/2" 17" casing in well
	1830								Drop Ball Circulate *Rotate*
	1935	6 1/2	12		✓	300			Pump 500 gal Mud Flush
		6 1/2	20		✓	300			Pump 20 gal KCL Flush
			11						Plug RH (30 sks)
	1950	4 1/2	27		✓	200			Mix 70 sks SMD @ 12.5 ppg
		4 1/2	24		✓	200			Mix 100 sks EA-2 @ 15.6 ppg
									Wash out Pump + Lines Release <del>to</del> Latch Down Plug
	2015	6 1/2	0		✓	100			Start Displacement
		6 1/2	83		✓	300			Lift Pressure
		6 1/2	103		✓	800			Max Lift Pressure
	2030	6 1/2	104.5		✓	1800			Land Latch Down Plug
									Release Pressure * Plug Hold *
									wash up truck
	2110								Job Complete

Thank You  
Dave Preston Isaac



**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665  
 PHONE:785-324-1041 FAX:785-483-1087  
 EMAIL: cementing@ruraltel.net

**RECEIVED**  
**FEB 17 2018**

Date: 2/12/2018  
 Invoice # 705  
 P.O.#:  
 Due Date: 3/14/2018  
 Division: *Russell*

# Invoice

**Contact:**  
 Palomino Petroleum Inc  
**Address/Job Location:**

4924 SE 84th  
 Newton Ks 67114

**Reference:**  
 WEHLING SCHWIEN 1 SEC 11-20-22

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 609.31	No				
Common-Class A	120	\$ 1,688.20	Yes				
Calcium Chloride	6	\$ 229.46	Yes				
POZ Mix-Standard	30	\$ 143.41	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 108.59	Yes				
Pump Truck Mileage-Job to Nearest Camp	29	\$ 89.12	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	29	\$ 69.32	Yes				
Premium Gel (Bentonite)	3	\$ 59.41	Yes				

**Invoice Terms:**

Net 30

	<i>SubTotal:</i>	\$ 2,996.82
	<i>Discount Available <u>ONLY</u> if Invoice is Paid &amp; Received within listed terms of invoice:</i>	\$ (74.92)
<hr/>		
	SubTotal for Taxable Items:	\$ 2,327.82
	SubTotal for Non-Taxable Items:	\$ 594.07
<hr/>		
	Total:	\$ 2,921.90
	Tax:	\$ 151.31
<hr/>		
	<b>Amount Due:</b>	<b>\$ 3,073.21</b>
	<b>Applied Payments:</b>	
	<b>Balance Due:</b>	<b>\$ 3,073.21</b>

6.50% Ness County Sales Tax

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
 ©2008-2013 Straker Investments, LLC. All rights reserved.



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 705

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-12-18	11	20	22	NESS	KS		8:30am

Location *Baziney DDPD 85 500' 1/2W S10*

Lease	Well No.	Owner	
<i>Uehling/Schwien</i>	<i>1</i>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor		Charge To	
<i>WW #10</i>		<i>Palomino Petroleum</i>	
Type Job		Street	
<i>Surface</i>		City	
Hole Size	T.D.	State	
<i>12 1/4</i>	<i>218</i>		
Csg.	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
<i>8 5/8</i>	<i>217</i>	Cement Amount Ordered <i>150 89/20 31-CL 21-CEL</i>	
Tbg. Size	Depth		
Tool	Depth		
Cement Left in Csg.	Shoe Joint		
<i>10'</i>			

Meas Line Displace *13BC*

**EQUIPMENT**

Pumptrk	No.	Cementor	Common
<i>17</i>		<i>na's</i>	<i>120</i>
		Helper	Poz. Mix
		<i>Brett</i>	<i>30</i>
Bulktrk	No.	Driver	Gel.
		<i>Doug</i>	<i>3</i>
Bulktrk	No.	Driver	Calcium
<i>9</i>		<i>Doug</i>	<i>6</i>

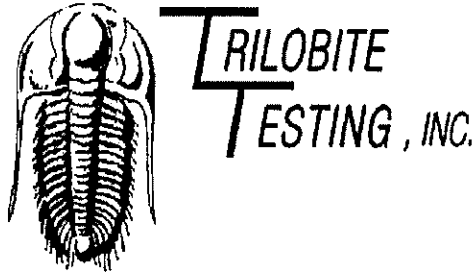
**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>8 5/8 on bottom E3C circulation</i>	Sand
<i>Mix 150SK &amp; Displace</i>	Handling <i>159</i>
<i>Cement Circulated!</i>	Mileage

**FLOAT EQUIPMENT**

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down
Pumptrk Charge <i>Surface</i>
Mileage <i>29</i>

Signature	Tax
<i>Neil H...</i>	Discount
	Total Charge



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Andrew Stenzel

**Uehling-Schwien #1**

**11-20S-22W Ness,KS**

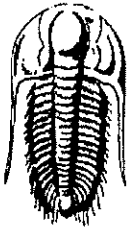
Start Date: 2018.02.18 @ 00:37:00

End Date: 2018.02.18 @ 08:16:15

Job Ticket #: 63547                      DST #: 1

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

Printed: 2018.02.21 @ 15:53:56



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

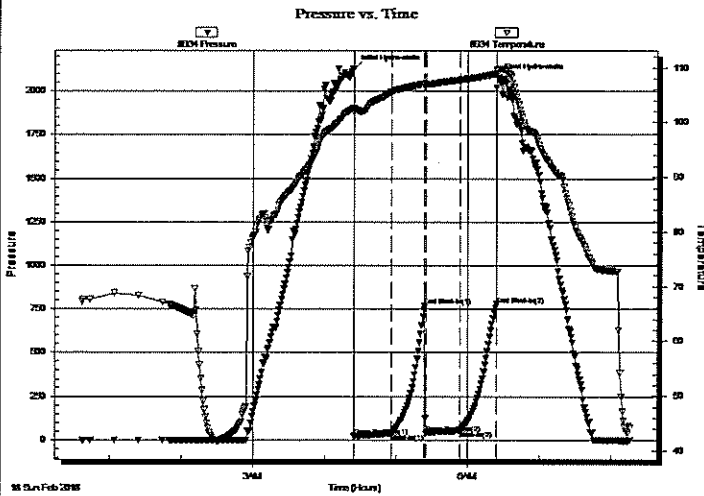
**11-20S-22W Ness,KS**  
**Uehling-Schwien #1**  
Job Ticket: 63547      DST#: 1  
Test Start: 2018.02.18 @ 00:37:00

### GENERAL INFORMATION:

Formation: **Ft. Scott**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 04:24:45  
Time Test Ended: 08:16:15  
Interval: **4277.00 ft (KB) To 4326.00 ft (KB) (TVD)**  
Total Depth: 4326.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Spencer J. Staab  
Unit No: 84  
Reference Elevations: 2240.00 ft (KB)  
2235.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8934**      **Inside**  
Press@RunDepth: 53.68 psig @ 4281.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2018.02.18      End Date: 2018.02.18      Last Calib.: 2018.02.18  
Start Time: 00:37:15      End Time: 08:16:15      Time On Btm: 2018.02.18 @ 04:24:30  
Time Off Btm: 2018.02.18 @ 06:25:30

**TEST COMMENT:** 30-IF-Fair Blow ; Built to 6"  
30-IS-No Return  
30-FF-Strong Blow ; BOB in 20 mins  
30-FSI-No Return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.35	102.59	Initial Hydro-static
1	19.83	101.88	Open To Flow (1)
32	37.80	105.49	Shut-In(1)
60	766.18	107.07	End Shut-In(1)
61	38.33	106.88	Open To Flow (2)
90	53.68	107.71	Shut-In(2)
120	776.07	108.86	End Shut-In(2)
121	2078.65	109.60	Final Hydro-static

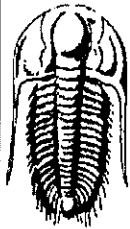
### Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 10%G 20%O 70%M	0.30
20.00	SOCM 7%O 93%M	0.10

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

11-20S-22W Ness, KS

4924 SE 84th St  
New ton KS 67114+8827

Uehling-Schwien #1

Job Ticket: 63547

DST#: 1

ATTN: Andrew Stenzel

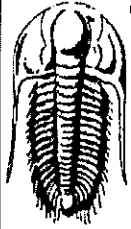
Test Start: 2018.02.18 @ 00:37:00

### Tool Information

Drill Pipe:	Length: 4142.00 ft	Diameter: 3.80 inches	Volume: 58.10 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4277.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4250.00	
Shut In Tool	5.00			4255.00	
Hydraulic tool	5.00			4260.00	
Jars	5.00			4265.00	
Safety Joint	3.00			4268.00	
Packer	5.00			4273.00	28.00 Bottom Of Top Packer
Packer	4.00			4277.00	
Stubb	1.00			4278.00	
Perforations	2.00			4280.00	
Change Over Sub	1.00			4281.00	
Recorder	0.00	9120	Inside	4281.00	
Recorder	0.00	8934	Inside	4281.00	
Drill Pipe	31.00			4312.00	
Change Over Sub	1.00			4313.00	
Perforations	9.00			4322.00	
Bullnose	4.00			4326.00	49.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>77.00</b>				



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

11-20S-22W Ness,KS  
Uehling-Schwien #1  
Job Ticket: 63547      DST#: 1  
Test Start: 2018.02.18 @ 00:37:00

## Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.19 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9100.00 ppm				
Filter Cake:	inches				

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 10%G 20%O 70%M	0.295
20.00	SOCM 7%O 93%M	0.098

Total Length: 80.00 ft      Total Volume: 0.393 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: 1#LCM

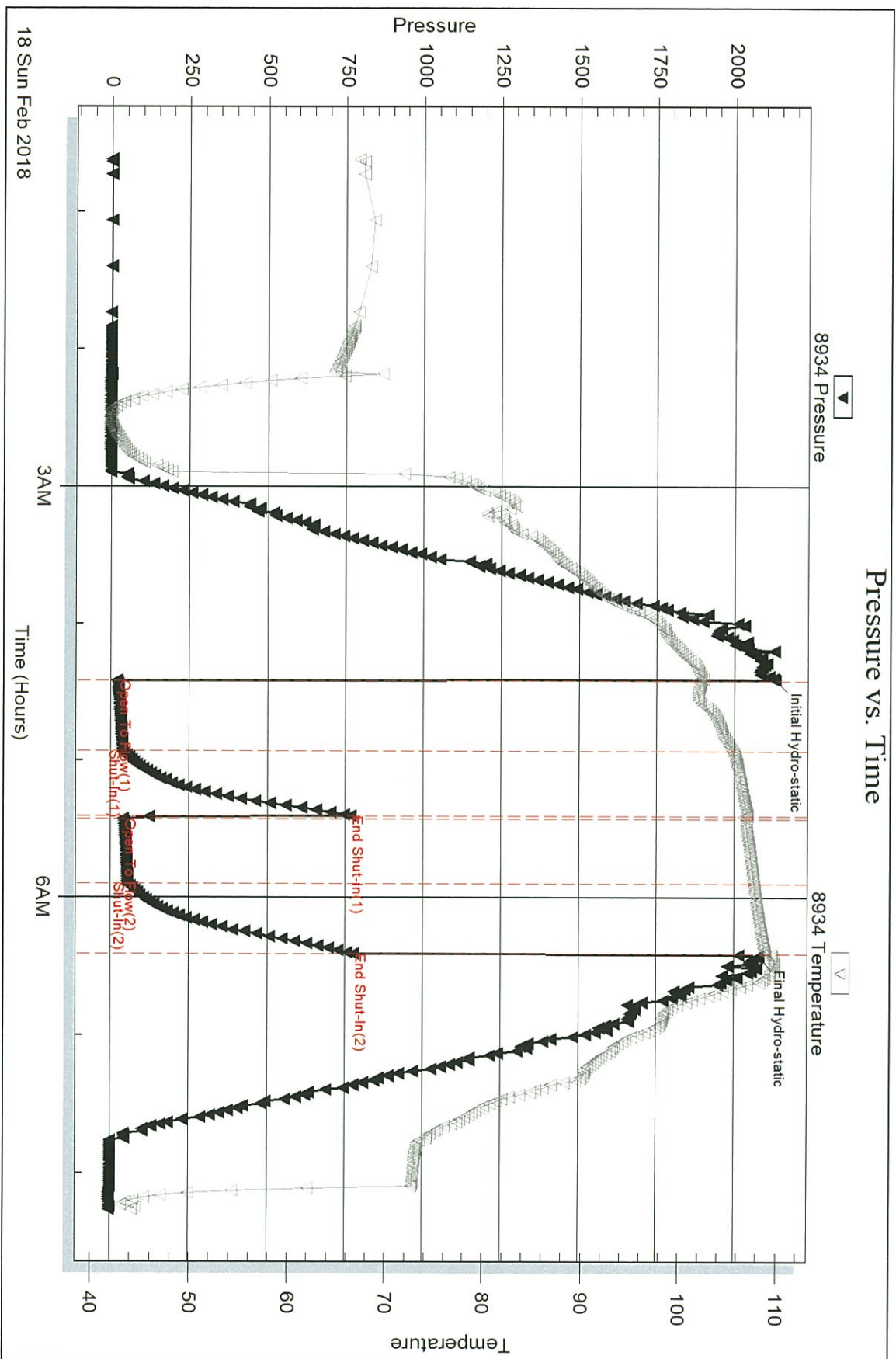
Serial #: 8934

Inside

Palomino Petroleum, Inc.

Uehling-Schwien #1

DST Test Number: 1



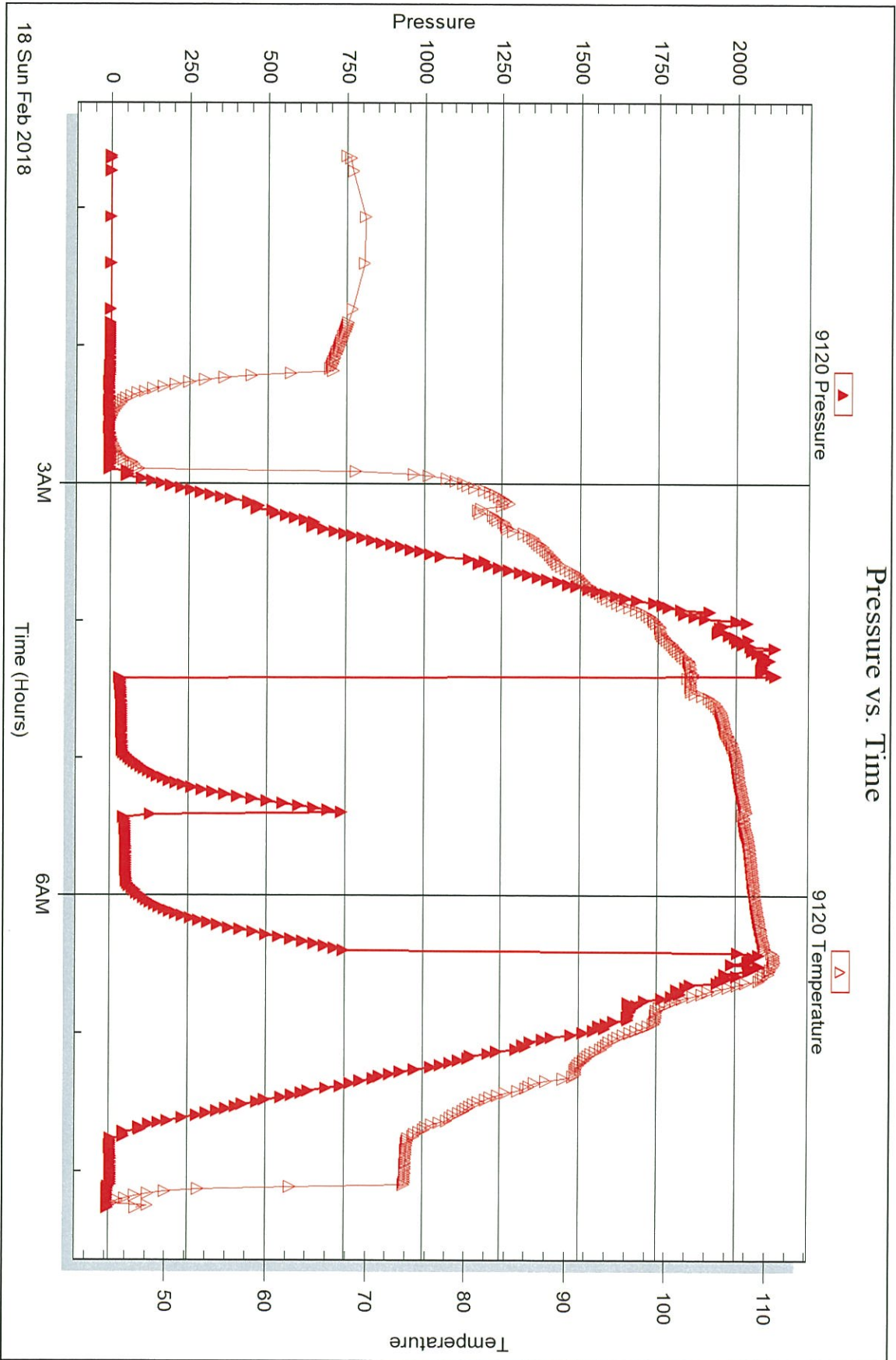
Serial #: 9120

Inside

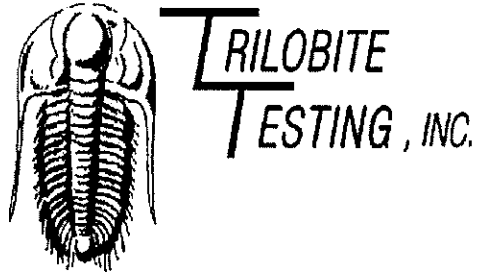
Palomino Petroleum, Inc.

Uehling-Schwien #1

DST Test Number: 1







## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Andrew Stenzel

### **Uehling-Schwien #1**

### **11-20S-22W Ness,KS**

Start Date: 2018.02.18 @ 17:39:00

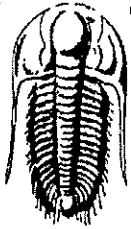
End Date: 2018.02.19 @ 00:08:30

Job Ticket #: 63548                      DST #: 2

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

Printed: 2018.02.21 @ 15:52:54

Palomino Petroleum, Inc.  
11-20S-22W Ness,KS  
Uehling-Schwien #1  
DST # 2  
Mississippi  
2018.02.18



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
 4924 SE 84th St  
 Newton KS 67114+8827  
 ATTN: Andrew Stenzel

**11-20S-22W Ness,KS**  
**Uehling-Schwieen #1**  
 Job Ticket: 63548      DST#: 2  
 Test Start: 2018.02.18 @ 17:39:00

## GENERAL INFORMATION:

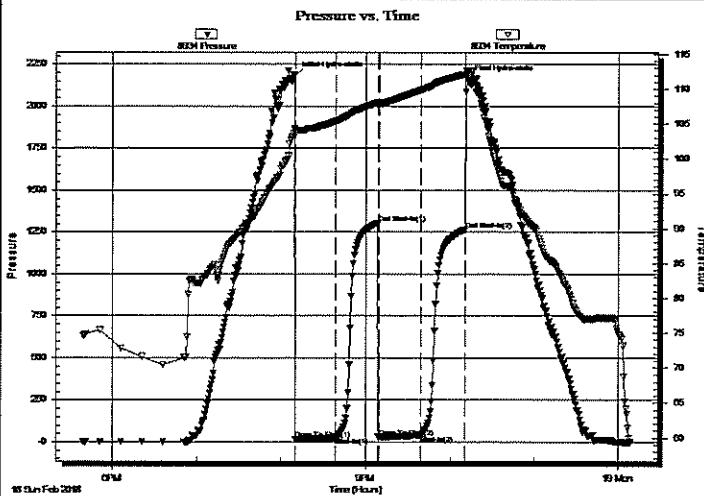
Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:10:30  
 Time Test Ended: 00:08:30  
 Interval: **4396.00 ft (KB) To 4403.00 ft (KB) (TVD)**  
 Total Depth: **4403.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Spencer J. Staab  
 Unit No: 84  
 Reference Elevations: 2240.00 ft (KB)  
 2235.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8934

Inside

Press@RunDepth: 40.29 psig @ 4399.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2018.02.18      End Date: 2018.02.19      Last Calib.: 2018.02.19  
 Start Time: 17:39:15      End Time: 00:08:30      Time On Btm: 2018.02.18 @ 20:10:00  
 Time Off Btm: 2018.02.18 @ 22:12:15

TEST COMMENT: 30-IF-Weak Blow ; Built to 1"  
 30-IS-No Return  
 30-FF-Weak Blow ; Built to 1"  
 30-FSI-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.55	104.30	Initial Hydro-static
1	17.02	103.72	Open To Flow (1)
29	25.56	105.36	Shut-In(1)
59	1307.01	108.09	End Shut-In(1)
60	27.98	107.81	Open To Flow (2)
89	40.29	109.85	Shut-In(2)
121	1266.74	112.13	End Shut-In(2)
123	2161.57	112.41	Final Hydro-static

## Recovery

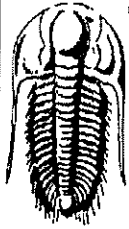
Length (ft)	Description	Volume (bbl)
10.00	OCM 10%O 90%M	0.05
25.00	HOCM 50%O 50%M	0.12
30.00	Clean Oil 100%O	0.15

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

11-20S-22W Ness,KS

4924 SE 84th St  
New ton KS 67114+8827

Uehling-Schwieh #1

Job Ticket: 63548

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2018.02.18 @ 17:39:00

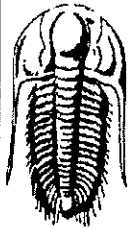
### Tool Information

Drill Pipe:	Length: 4268.00 ft	Diameter: 3.80 inches	Volume: 59.87 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 71000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4396.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4369.00	
Shut In Tool	5.00			4374.00	
Hydraulic tool	5.00			4379.00	
Jars	5.00			4384.00	
Safety Joint	3.00			4387.00	
Packer	5.00			4392.00	28.00 Bottom Of Top Packer
Packer	4.00			4396.00	
Stubb	1.00			4397.00	
Perforations	2.00			4399.00	
Recorder	0.00	9120	Inside	4399.00	
Recorder	0.00	8934	Inside	4399.00	
Bullnose	4.00			4403.00	7.00 Bottom Packers & Anchor

**Total Tool Length: 35.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

11-20S-22W Ness, KS

4924 SE 84th St  
New ton KS 67114+8827

Uehling-Schwien #1

Job Ticket: 63548      DST#: 2

ATTN: Andrew Stenzel

Test Start: 2018.02.18 @ 17:39:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8400.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 10%O 90%M	0.049
25.00	HOCM 50%O 50%M	0.123
30.00	Clean Oil 100%O	0.148

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: 1#LCM

Serial #: 8934

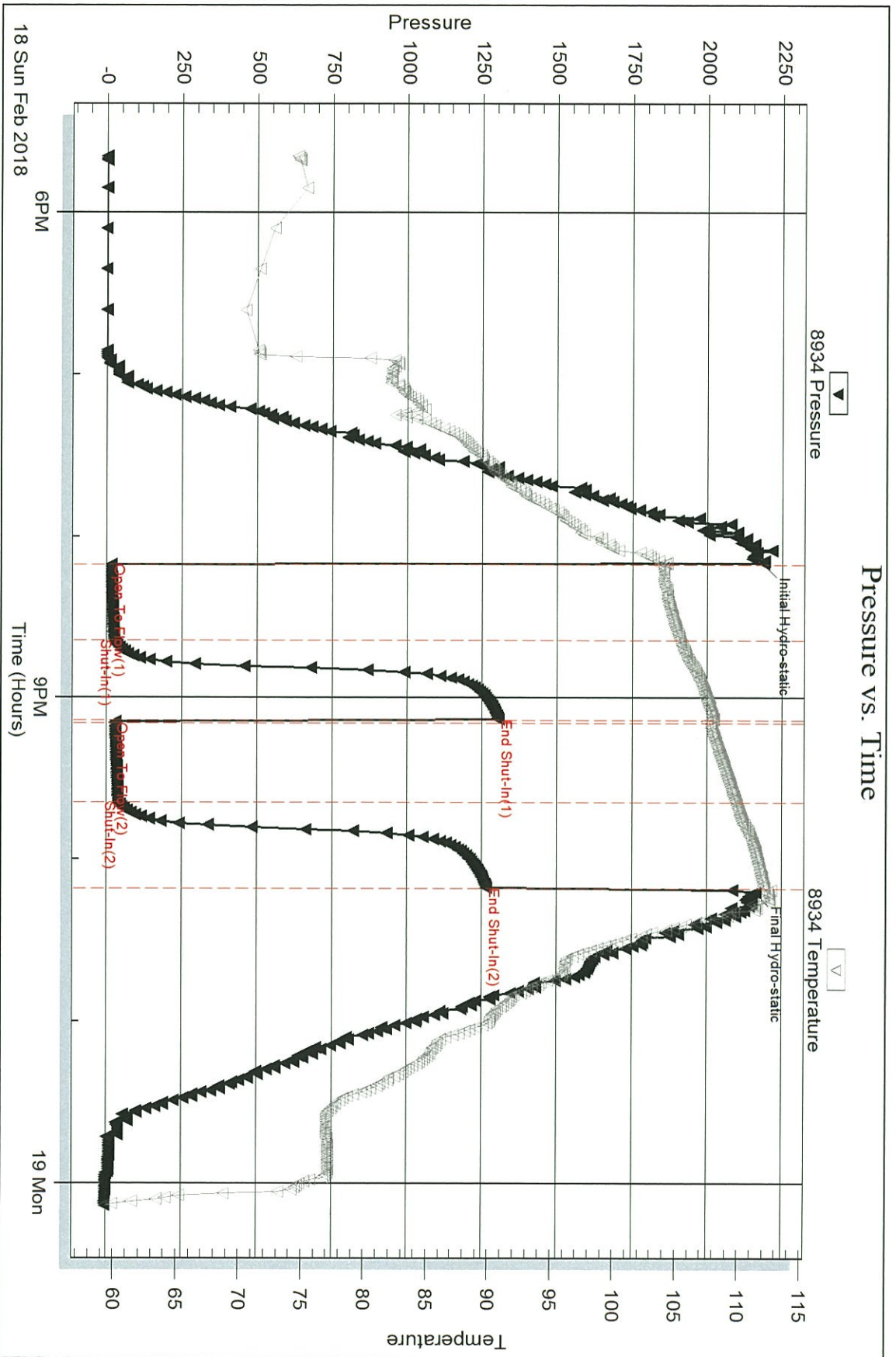
Inside

Palomino Petroleum, Inc.

Uehling-Schwien #1

DST Test Number: 2

### Pressure vs. Time



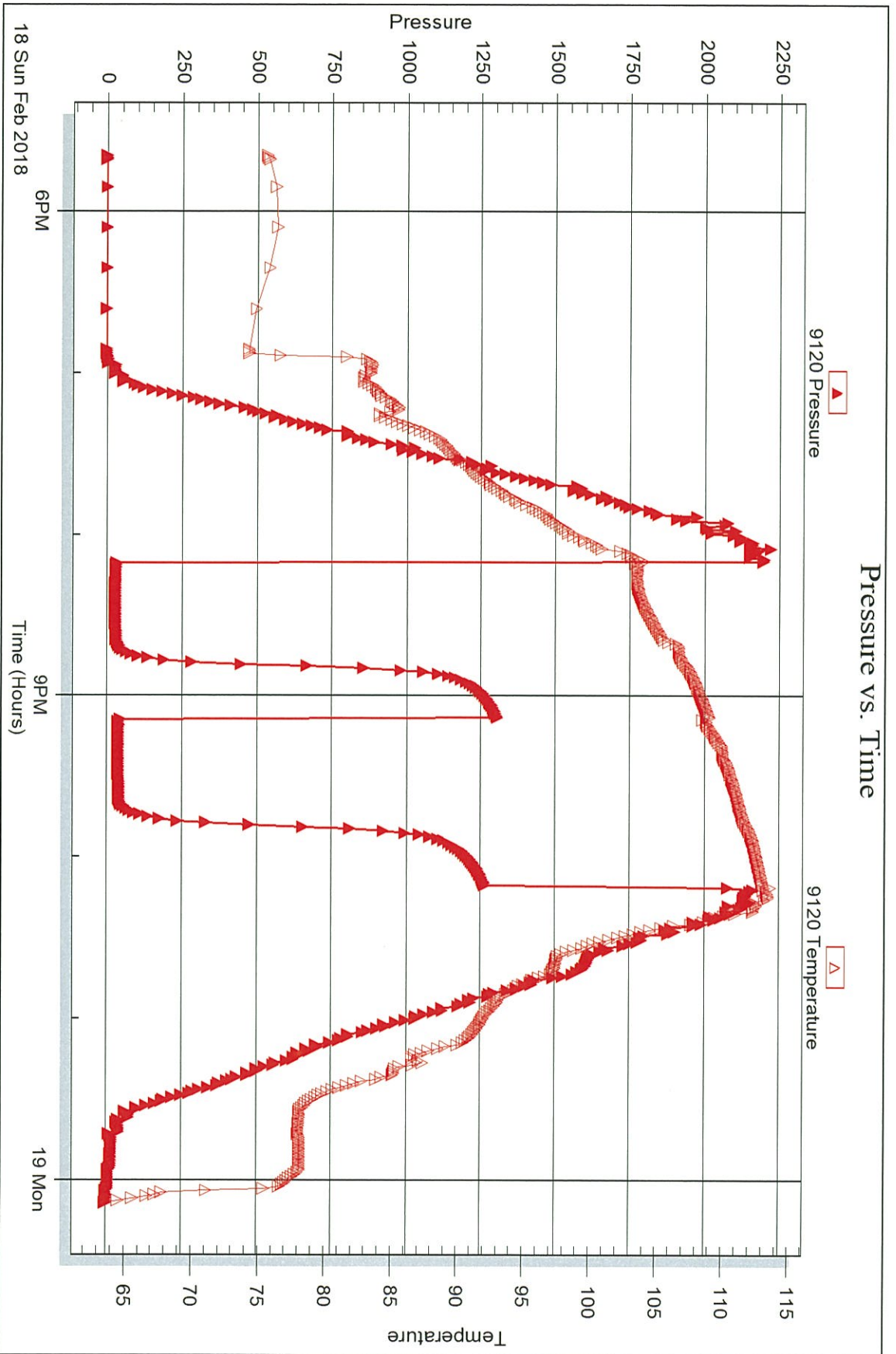
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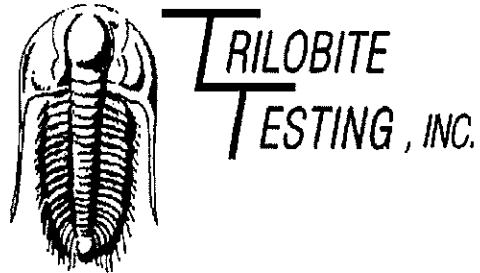
Inside

Palomino Petroleum, Inc.

Uehling-Schwien #1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Andrew Stenzel

**Uehling-Schwien #1**

**11-20S-22W Ness,KS**

Start Date: 2018.02.19 @ 05:20:00

End Date: 2018.02.19 @ 12:05:45

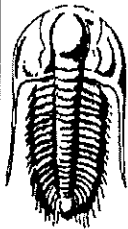
Job Ticket #: 63549                      DST #: 3

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

Printed: 2018.02.21 @ 15:52:18

Palomino Petroleum, Inc. 11-20S-22W Ness,KS Uehling-Schwien #1 DST # 3 Mississippi 2018.02.19





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

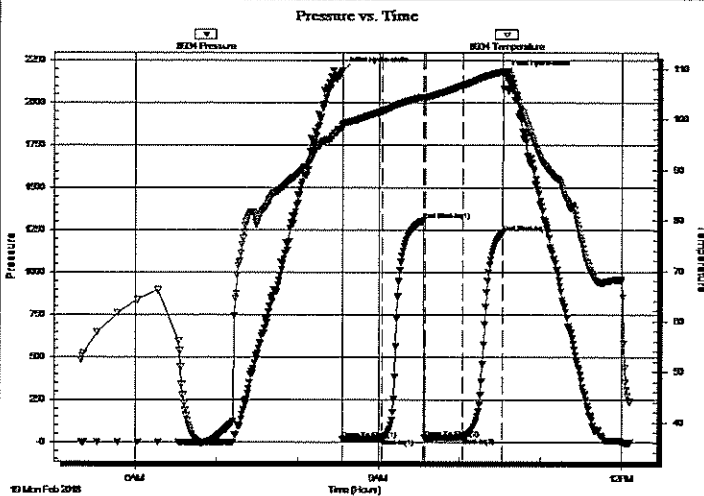
**11-20S-22W Ness,KS**  
**Uehling-Schwieh #1**  
Job Ticket: 63549      DST#: 3  
Test Start: 2018.02.19 @ 05:20:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:33:00  
Time Test Ended: 12:05:45  
Interval: **4402.00 ft (KB) To 4413.00 ft (KB) (TVD)**  
Total Depth: 4413.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Spencer J. Staab  
Unit No: 84  
Reference Elevations: 2240.00 ft (KB)  
2235.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8934**      **Outside**  
Press@RunDepth: 29.44 psig @ 4404.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2018.02.19      End Date: 2018.02.19      Last Calib.: 2018.02.19  
Start Time: 05:20:15      End Time: 12:05:45      Time On Btm: 2018.02.19 @ 08:32:45  
Time Off Btm: 2018.02.19 @ 10:33:15

**TEST COMMENT:** 30-IF-Weak Blow ; Built to 2 3/4"  
30-ISI-Weak Blow ; Built to 1/4"  
30-FF-Weak Blow ; Built to 1 3/4"  
30-FSI-Weak Surface Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2189.50	99.10	Initial Hydro-static
1	17.62	98.15	Open To Flow (1)
30	21.97	101.61	Shut-In(1)
60	1305.08	104.48	End Shut-In(1)
62	24.35	104.32	Open To Flow (2)
90	29.44	106.75	Shut-In(2)
120	1236.31	109.48	End Shut-In(2)
121	2173.76	109.57	Final Hydro-static

## Recovery

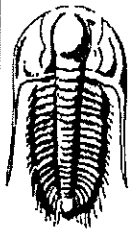
Length (ft)	Description	Volume (bbl)
5.00	OCM 10%O 90%M	0.02
15.00	Clean Oil 100%O	0.07

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

11-20S-22W Ness,KS  
Uehling-Schwien #1  
Job Ticket: 63549      DST#: 3  
Test Start: 2018.02.19 @ 05:20:00

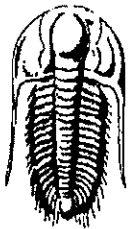
### Tool Information

Drill Pipe:	Length: 4268.00 ft	Diameter: 3.80 inches	Volume: 59.87 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4402.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4375.00	
Shut In Tool	5.00			4380.00	
Hydraulic tool	5.00			4385.00	
Jars	5.00			4390.00	
Safety Joint	3.00			4393.00	
Packer	5.00			4398.00	28.00      Bottom Of Top Packer
Packer	4.00			4402.00	
Stubb	1.00			4403.00	
Perforations	1.00			4404.00	
Recorder	0.00	9120	Inside	4404.00	
Recorder	0.00	8934	Outside	4404.00	
Perforations	5.00			4409.00	
Bullnose	4.00			4413.00	11.00      Bottom Packers & Anchor

**Total Tool Length: 39.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

11-20S-22W Ness, KS

4924 SE 84th St  
New ton KS 67114+8827

Uehling-Schwiem #1

Job Ticket: 63549      DST#: 3

ATTN: Andrew Stenzel

Test Start: 2018.02.19 @ 05:20:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8400.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 10%O 90%M	0.025
15.00	Clean Oil 100%O	0.074

Total Length: 20.00 ft      Total Volume: 0.099 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: 1#LCM

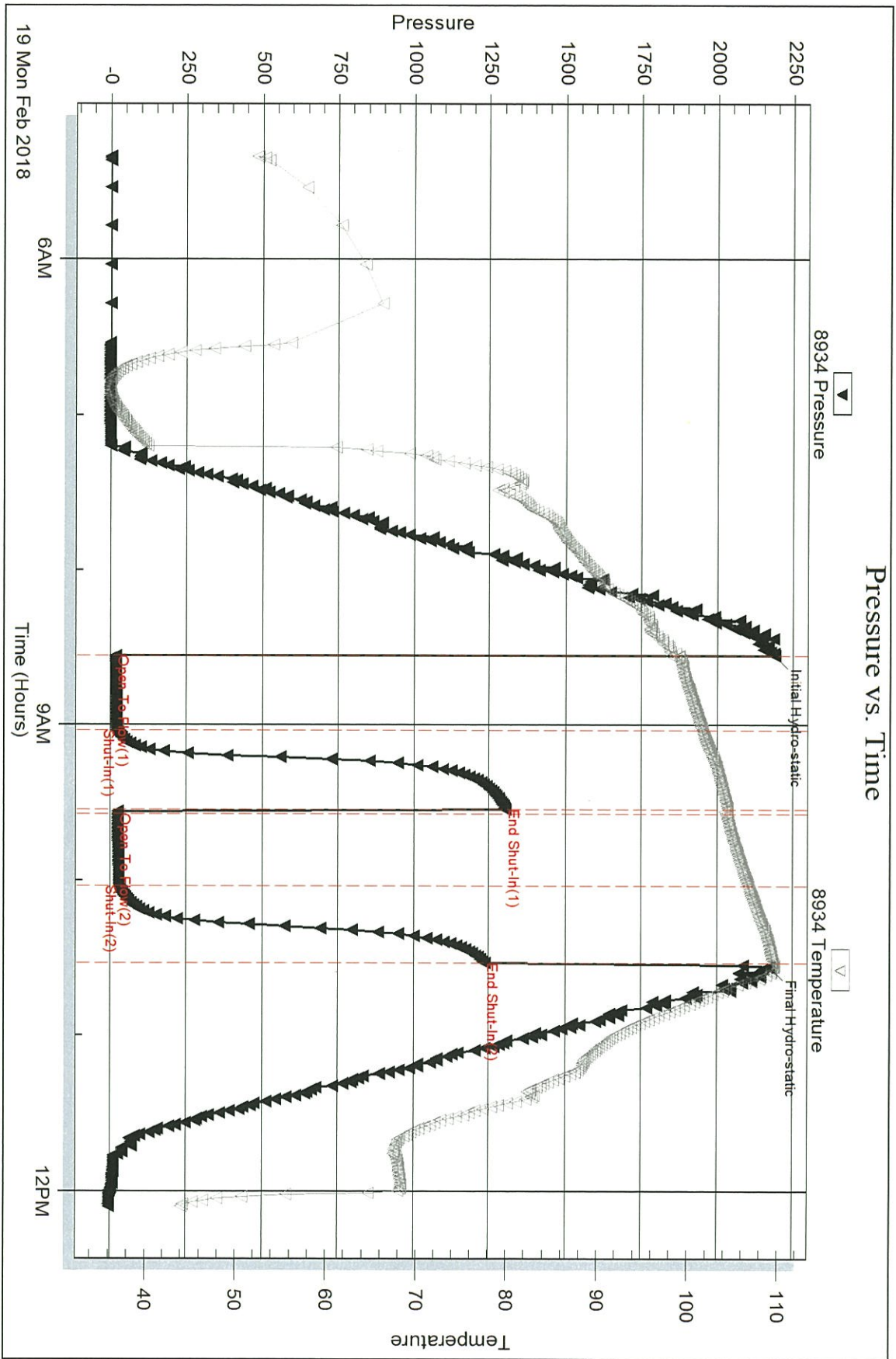
Serial #: 8934

Outside

Palomino Petroleum, Inc.

Uehling-Schwien #1

DST Test Number: 3



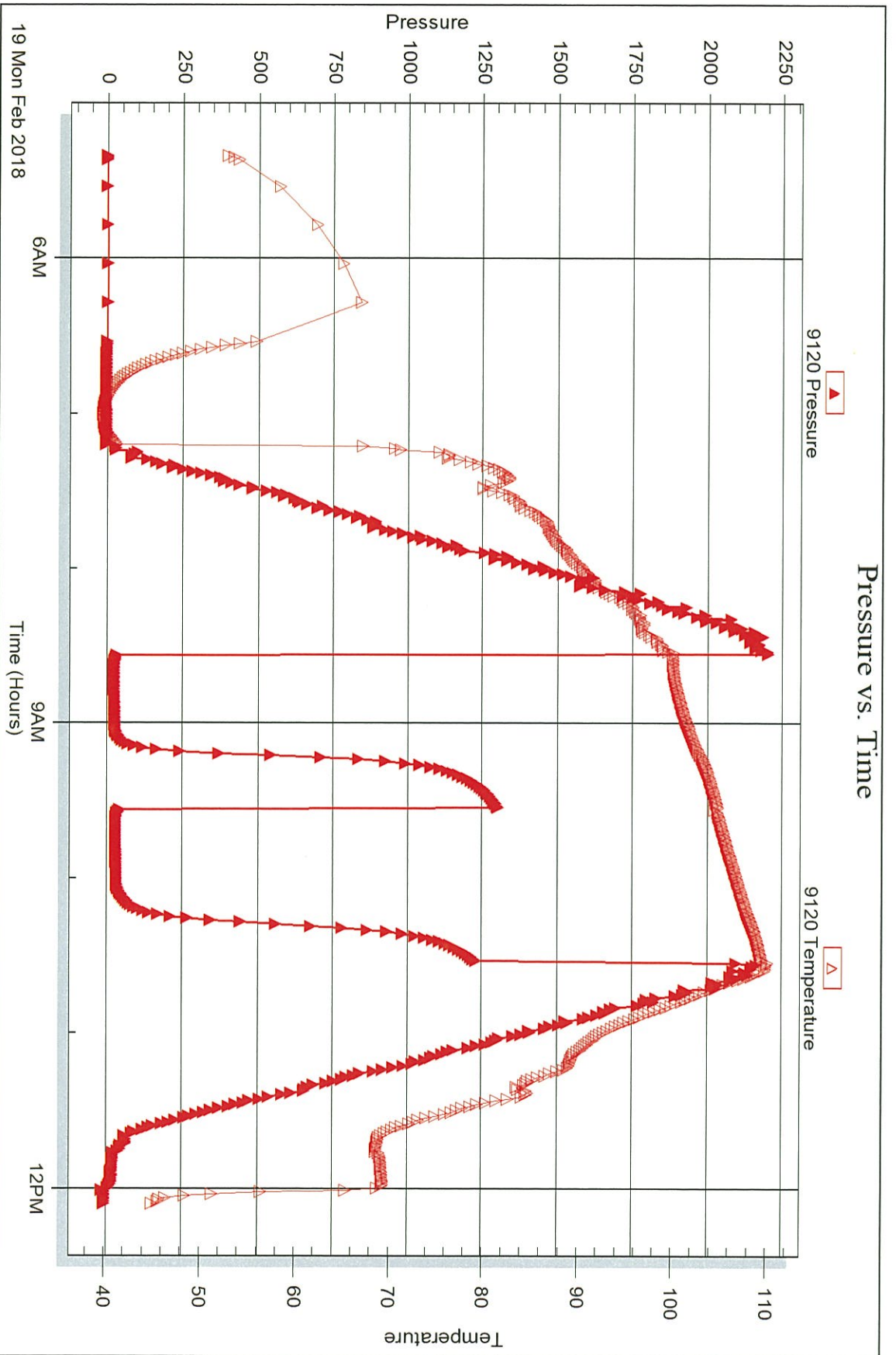
Serial #: 9120

Inside

Palomino Petroleum, Inc.

Uehling-Schwien #1

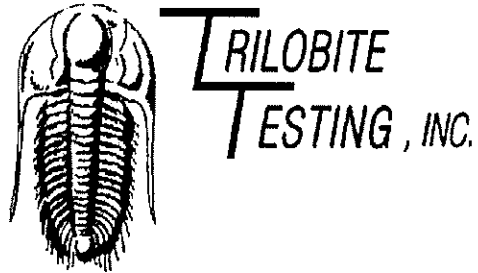
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63549

Printed: 2018.02.21 @ 15:52:20



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Andrew Stenzel

**Uehling-Schwien #1**

**11-20S-22W Ness,KS**

Start Date: 2018.02.19 @ 18:21:00

End Date: 2018.02.20 @ 00:33:00

Job Ticket #: 63550                      DST #: 4

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

Printed: 2018.02.21 @ 15:51:30

Palomino Petroleum, Inc.

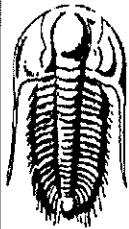
11-20S-22W Ness,KS

Uehling-Schwien #1

DST # 4

Mississippi

2018.02.19



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St  
New ton KS 67114+8827

ATTN: Andrew Stenzel

11-20S-22W Ness,KS

**Uehling-Schwieh #1**

Job Ticket: 63550

DST#: 4

Test Start: 2018.02.19 @ 18:21:00

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:43:15

Time Test Ended: 00:33:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 4411.00 ft (KB) To 4421.00 ft (KB) (TVD)

Total Depth: 4421.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2240.00 ft (KB)

2235.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8934** Inside

Press@RunDepth: 53.45 psig @ 4412.00 ft (KB)

Start Date: 2018.02.19

End Date:

2018.02.20

Capacity: 8000.00 psig

Last Calib.:

2018.02.20

Start Time:

18:21:15

End Time:

00:33:00

Time On Btm:

2018.02.19 @ 20:43:00

Time Off Btm:

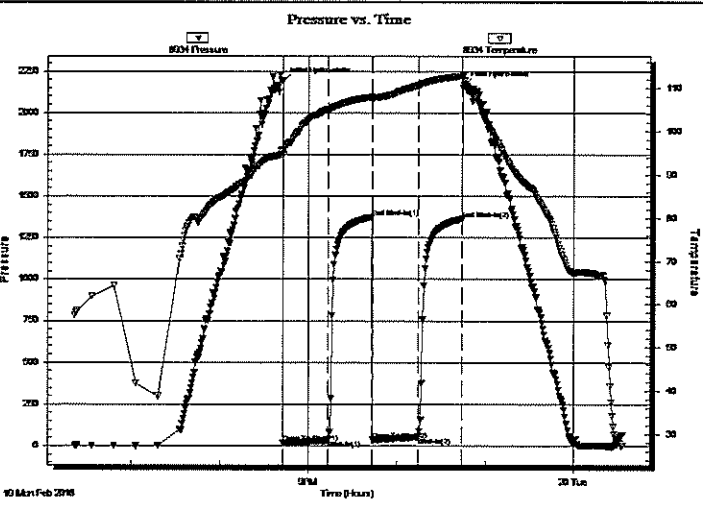
2018.02.19 @ 22:45:00

TEST COMMENT: 30-IF-Weak Blow ; Built to 3 1/4"

30-ISI-Weak Blow ; Built to 1/2"

30-FF-Weak Blow ; Built to 2 1/4"

30-FSI-Weak Surface Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.26	95.81	Initial Hydro-static
1	18.13	94.67	Open To Flow (1)
31	34.34	105.04	Shut-In(1)
60	1374.01	107.89	End Shut-In(1)
61	37.59	107.31	Open To Flow (2)
91	53.45	110.58	Shut-In(2)
121	1363.05	112.75	End Shut-In(2)
122	2164.44	112.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	GWCM 10%G 10%W 80%M	0.17
5.00	OCM 12%O 88%M	0.02

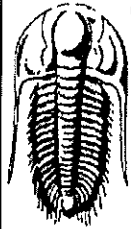
\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

11-20S-22W Ness,KS

4924 SE 84th St  
New ton KS 67114+8827

Uehling-Schwien #1

Job Ticket: 63550

DST#: 4

ATTN: Andrew Stenzel

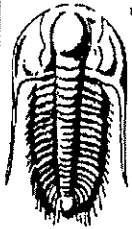
Test Start: 2018.02.19 @ 18:21:00

## Tool Information

Drill Pipe:	Length: 4267.00 ft	Diameter: 3.80 inches	Volume: 59.85 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4411.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4384.00	
Shut In Tool	5.00			4389.00	
Hydraulic tool	5.00			4394.00	
Jars	5.00			4399.00	
Safety Joint	3.00			4402.00	
Packer	5.00			4407.00	28.00 Bottom Of Top Packer
Packer	4.00			4411.00	
Stubb	1.00			4412.00	
Recorder	0.00	9120	Inside	4412.00	
Recorder	0.00	8934	Inside	4412.00	
Perforations	5.00			4417.00	
Bullnose	4.00			4421.00	10.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

11-20S-22W Ness, KS

4924 SE 84th St  
New ton KS 67114+8827

Uehling-Schwien #1

Job Ticket: 63550      DST#: 4

ATTN: Andrew Stenzel

Test Start: 2018.02.19 @ 18:21:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	38000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8400.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	GWCM 10%G 10%W 80%M	0.172
5.00	OCM 12%O 88%M	0.025

Total Length: 40.00 ft      Total Volume: 0.197 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: 1#LCM

Serial #: 8934

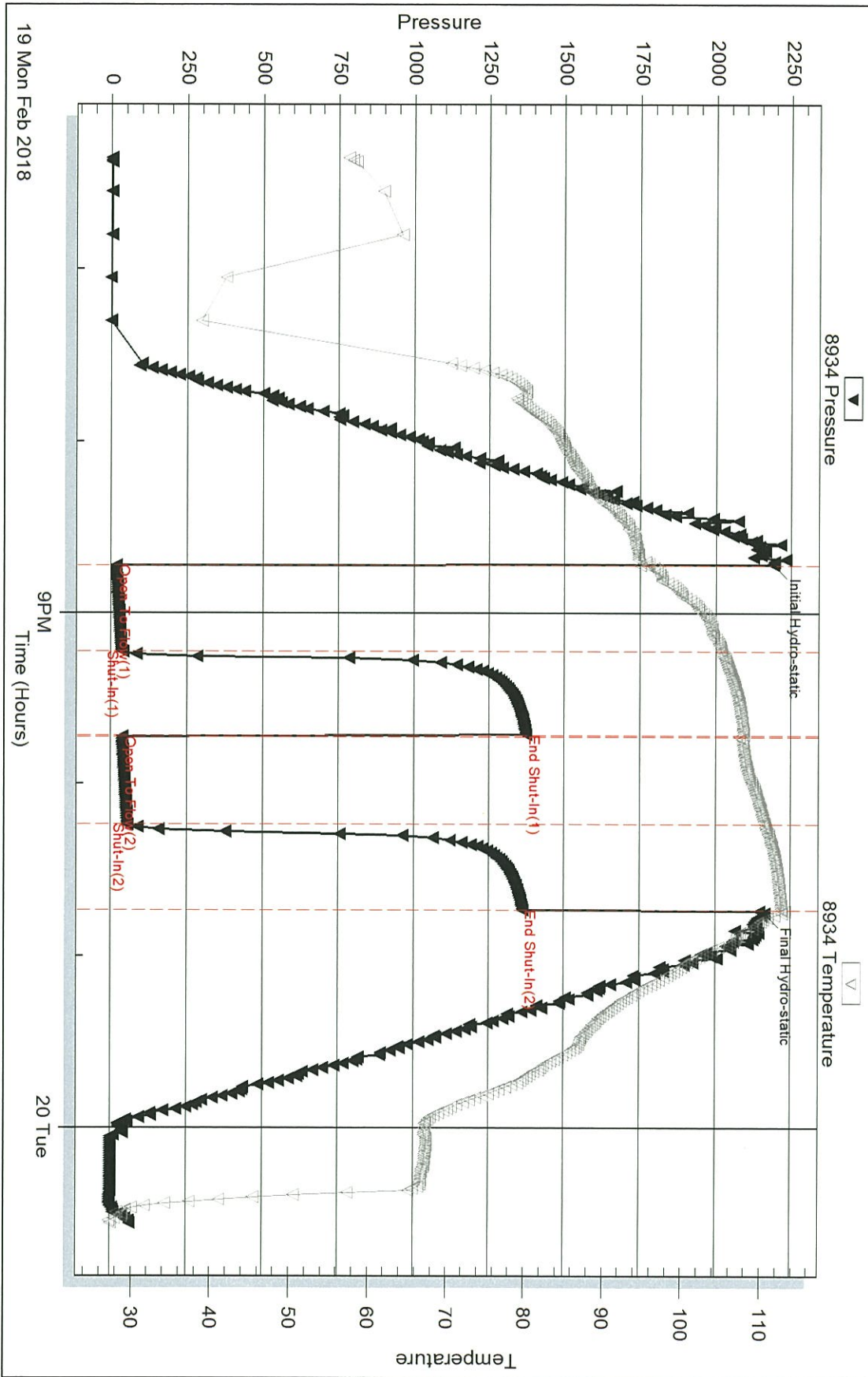
Inside

Palomino Petroleum, Inc.

Uehling-Schwien #1

DST Test Number: 4

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63550

Printed: 2018.02.21 @ 15:51:31

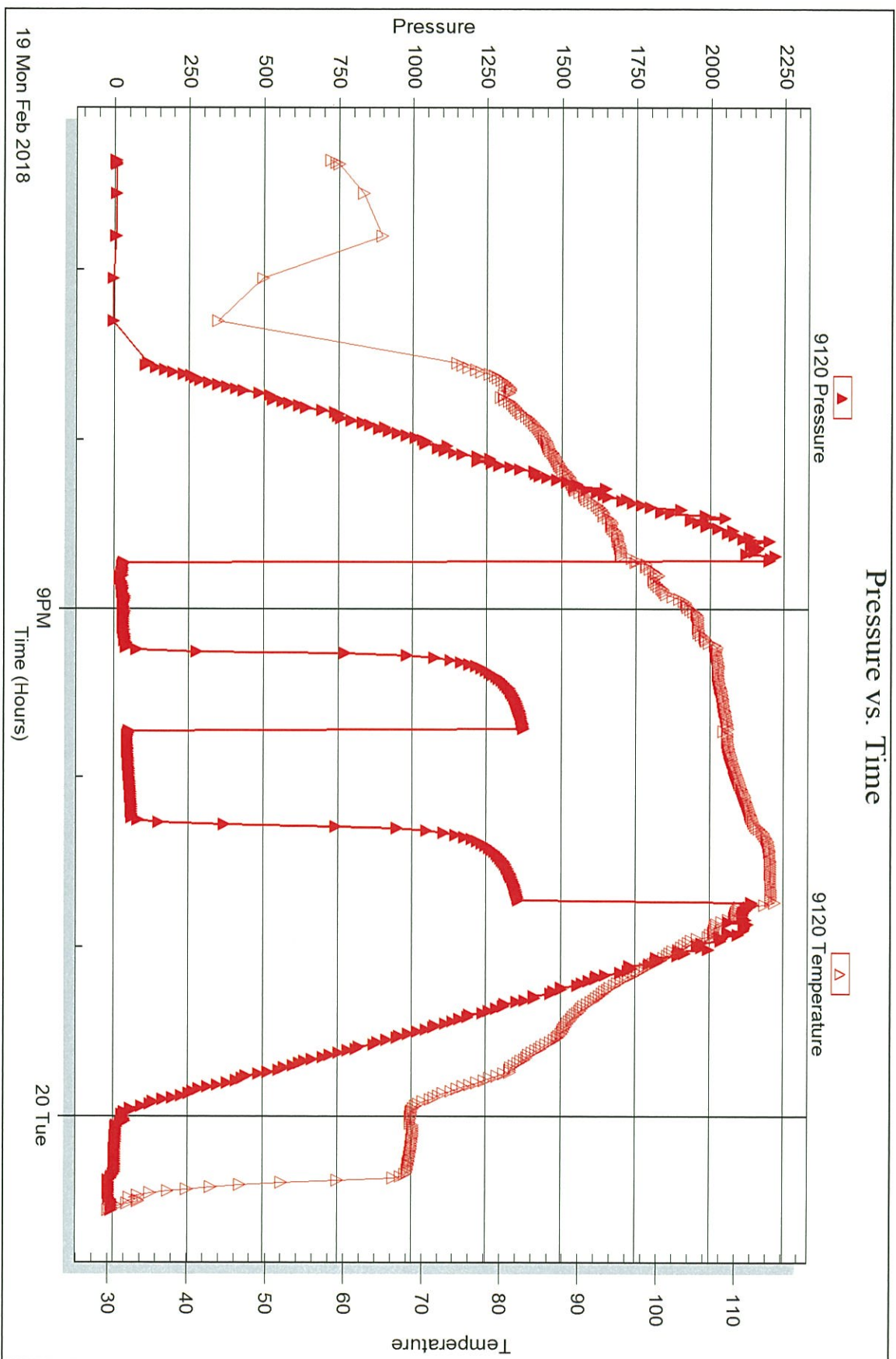
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Inside

Palomino Petroleum, Inc.

Uehling-Schwien #1

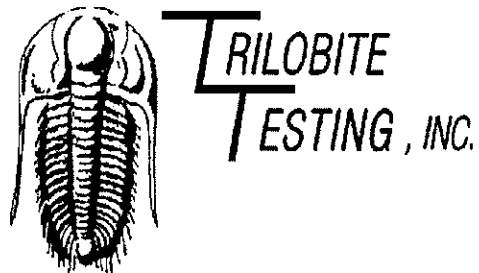
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 63550

Printed: 2018.02.21 @ 15:51:31



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Andrew Stenzel

**Uehling-Schwien #1**

**11-20S-22W Ness,KS**

Start Date: 2018.02.20 @ 08:32:00

End Date: 2018.02.20 @ 15:23:30

Job Ticket #: 63751                      DST #: 5

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

Printed: 2018.02.21 @ 15:50:09

Palomino Petroleum, Inc.

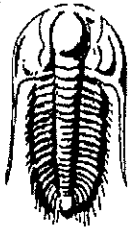
11-20S-22W Ness,KS

Uehling-Schwien #1

DST # 5

Mississippi

2018.02.20



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

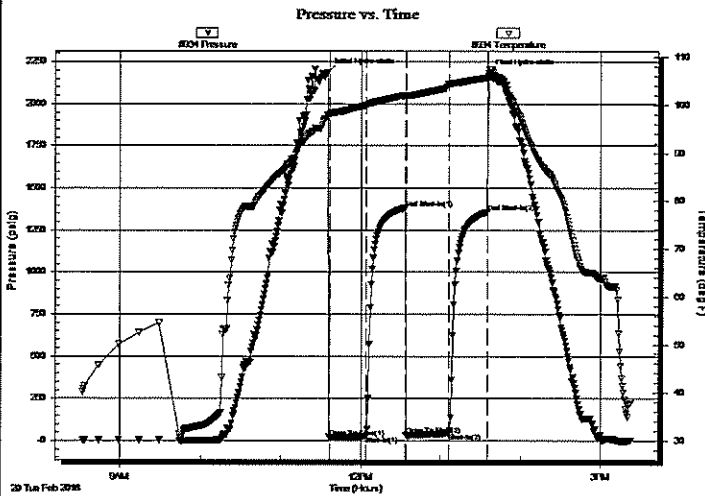
**11-20S-22W Ness,KS**  
**Uehling-Schwieh #1**  
Job Ticket: 63751      DST#: 5  
Test Start: 2018.02.20 @ 08:32:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:37:00  
Time Test Ended: 15:23:30  
Interval: **4419.00 ft (KB) To 4443.00 ft (KB) (TVD)**  
Total Depth: 4443.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2240.00 ft (KB)  
2235.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Spencer J. Staab  
Unit No: 84

**Serial #: 8934**      Inside  
Press@RunDepth: 44.87 psig @ 4420.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2018.02.20      End Date: 2018.02.20      Last Calib.: 2018.02.20  
Start Time: 08:32:15      End Time: 15:23:30      Time On Btm: 2018.02.20 @ 11:36:00  
Time Off Btm: 2018.02.20 @ 13:36:00

TEST COMMENT: 30-IF-Weak Blow ; Built to 2"  
30-IS-No Return  
30-FF-Weak Blow ; Built to 1"  
30-FS-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2186.37	98.06	Initial Hydro-static
1	18.67	98.06	Open To Flow (1)
29	28.45	99.97	Shut-In(1)
58	1379.50	102.05	End Shut-In(1)
59	33.13	101.58	Open To Flow (2)
91	44.87	104.44	Shut-In(2)
120	1358.71	105.69	End Shut-In(2)
120	2179.56	106.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	WCM 15%W 85%M	0.34

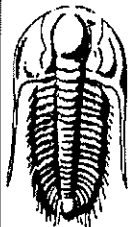
\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

11-20S-22W Ness, KS

4924 SE 84th St  
New ton KS 67114+8827

Uehling-Schwien #1

Job Ticket: 63751

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2018.02.20 @ 08:32:00

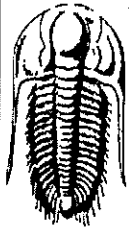
### Tool Information

Drill Pipe:	Length: 4298.00 ft	Diameter: 3.80 inches	Volume: 60.29 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: - bbl	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4419.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4392.00	
Shut In Tool	5.00			4397.00	
Hydraulic tool	5.00			4402.00	
Jars	5.00			4407.00	
Safety Joint	3.00			4410.00	
Packer	5.00			4415.00	28.00 Bottom Of Top Packer
Packer	4.00			4419.00	
Stubb	1.00			4420.00	
Recorder	0.00	9120	Inside	4420.00	
Recorder	0.00	8934	Inside	4420.00	
Perforations	19.00			4439.00	
Bullnose	4.00			4443.00	24.00 Bottom Packers & Anchor

**Total Tool Length: 52.00**



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

11-20S-22W Ness, KS

4924 SE 84th St  
New ton KS 67114+8827

Uehling-Schwieh #1

Job Ticket: 63751

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2018.02.20 @ 08:32:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	35000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9200.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	WCM 15%W 85%M	0.344

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: 1#LCM  
RW=.432@33degrees

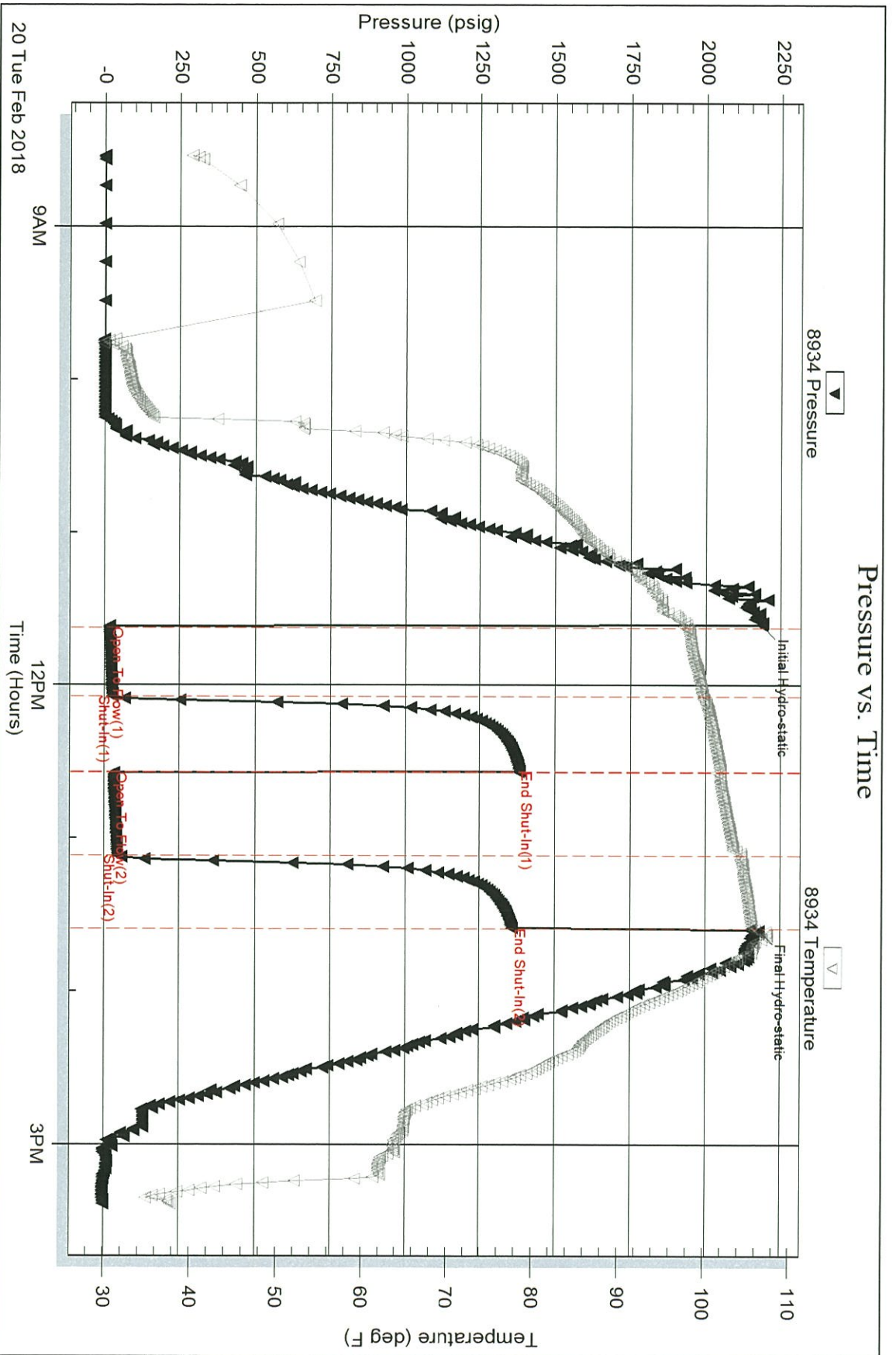
Serial #: 8934

Inside

Palomino Petroleum, Inc.

Uehling-Schwien #1

DST Test Number: 5



Serial #: 9120

Inside

Palomino Petroleum, Inc.

Uehling-Schwien #1

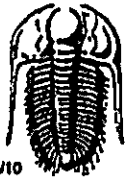
DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 63751

Printed: 2018.02.21 @ 15:50:14



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63547

Well Name & No. Wekling - Schuman #1 Test No. 1 Date 02/18/2018  
 Company Palomino Petroleum, Inc. Elevation 2240 KB 2235 GL  
 Address 4924 SE 84th St Newton KS 67114 + 8827  
 Co. Rep / Geo. Andrew Stenzel Rig W9W #10  
 Location: Sec. 11 Twp 20s Rge. 22w Co. Miss State Ks

Interval Tested 4277'-4326' Zone Tested Yd. Scott  
 Anchor Length 49' Drill Pipe Run 4142' Mud Wt. 9.1  
 Top Packer Depth 4272' Drill Collars Run 121' Vis 52  
 Bottom Packer Depth 4277' Wt. Pipe Run - WL 7.2  
 Total Depth 4326' Chlorides 9,100 ppm System LCM 1#

Blow Description 07- Fair Blow. Built to 6"  
08- No Return  
17- Strong Blow, BOB in 20 mins  
75- No Return

Rec	Feet of	%gas	%oil	%water	%mud
60'	MOCM	10	20	70	
20'	SOCM		7	93	

Rec Total 80' BHT 108° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2129  Test 1150 T-On Location 00:06  
 (B) First Initial Flow 19  Jars 250 T-Started 00:37  
 (C) First Final Flow 37  Safety Joint 75 T-Open 04:25  
 (D) Initial Shut-In 766  Circ Sub - T-Pulled 06:25  
 (E) Second Initial Flow 38  Hourly Standby - T-Out 08:15  
 (F) Second Final Flow 53  Mileage 124 RM 124 Comments \_\_\_\_\_  
 (G) Final Shut-In 776  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2078  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1599  
 Accessibility \_\_\_\_\_ MP/DST Disc'l \_\_\_\_\_  
 Sub Total 1599

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Approved By \_\_\_\_\_ Our Representative Spencer J. Stank Thank

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.

785-259-0056



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63548

Well Name & No. Welling - Schwinn #1 Test No. 2 Date 02/18/2018  
 Company Palominos Petroleum Inc Elevation 2240 KB 2235 GL  
 Address 4924 SE 84th St Newton KS 67114 +8827  
 Co. Rep / Geo. Andrew Stenzel Rig 9W9W#10  
 Location: Sec. 11 Twp 20s Rge. 22w Co. 9ss State Ks

Interval Tested 4396 - 4403' Zone Tested Mississippi  
 Anchor Length 7' Drill Pipe Run 4268' Mud Wt. 9.35  
 Top Packer Depth 4391' Drill Collars Run 621' Vis 55  
 Bottom Packer Depth 4396' Wt. Pipe Run - WL 7.2  
 Total Depth 4403' Chlorides 8,400 ppm System LCM 1#

Blow Description 27-Weak Blow; Built to 1"  
25- No Return  
27-Weak Blow; Built to 1"  
25- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>OCM</u>	<u>10</u>		<u>90</u>	
<u>25'</u>	<u>HOCM</u>	<u>50</u>		<u>50</u>	
<u>30'</u>	<u>Clean Oil</u>	<u>100</u>			
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65' BHT 112° Gravity 38° API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2185  Test 1150 T-On Location 17:19  
 (B) First Initial Flow 17  Jars 250 T-Started 17:39  
 (C) First Final Flow 25  Safety Joint 75 T-Open 20:09  
 (D) Initial Shut-In 1307  Circ Sub \_\_\_\_\_ T-Pulled 22:09  
 (E) Second Initial Flow 27  Hourly Standby \_\_\_\_\_ T-Out 00:06 02/19/2018  
 (F) Second Final Flow 40  Mileage 124 27 124 Comments \_\_\_\_\_  
 (G) Final Shut-In 1266  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2161  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1599

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Sub Total 0  
 Total 1599  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Spencer J. Stenzel *Thanks.*  
 Triobite Testing Inc. shall not be liable for damaged or 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.  
 785-259-0056



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63549

Well Name & No. Uehling - Schuier #1 Test No. 3 Date 02/19/2018  
 Company Palomino Petroleum, Inc. Elevation 2240 KB 2235 GL  
 Address 4924 SE 84th ST Newton Ks 67114+8827  
 Co. Rep / Geo. Andrew Stengel Rig WW#10  
 Location: Sec. 11 Twp 20s Rge. 22w Co. Neos State Ks

Interval Tested 4402' - 4413' Zone Tested Mississippi  
 Anchor Length 11' Drill Pipe Run 4268' Mud Wt. 9.35  
 Top Packer Depth 4397' Drill Collars Run 121' Vis 55  
 Bottom Packer Depth 4402' Wt. Pipe Run - WL 7.2  
 Total Depth 4413' Chlorides 8400 ppm System LCM 1#

Blow Description 17-Weak Blow, Built to 2 3/4"  
15D-Weak Blow, Built to 1/4"  
77-Weak Blow, Built to 1 3/4"  
75D-Weak Surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>OCM</u>	<u>10</u>		<u>90</u>	
<u>15'</u>	<u>Clear Oil</u>	<u>100</u>			
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 109° Gravity 38° API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2189</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>05:05</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>05:20</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>08:32</u>
(D) Initial Shut-In <u>1305</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>10:32</u>
(E) Second Initial Flow <u>24</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:04</u>
(F) Second Final Flow <u>29</u>	<input checked="" type="checkbox"/> Mileage <u>124 RT 124</u>	Comments
(G) Final Shut-In <u>1236</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2173</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 1599

Sub Total 0  
 Total 1599  
 MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative James J. Frank Thanks!  
 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.

785-259-0056



# TRILOBITE TESTING INC.

1516 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63550

Well Name & No. Uehling - Schwien # 1 Test No. 4 Date 02/19/2018  
 Company Palominos Petroleum, Inc Elevation 2240 KB 2235 GL  
 Address 4924 SE 84th ST Newton Ks 67114 + 8827  
 Co. Rep / Geo. Andrew Stengel Rig 2W#10  
 Location: Sec. 11 Twp 20a Rge. 22w Co. Miss State Ks

Interval Tested 4411' - 4421' Zone Tested Mississippi  
 Anchor Length 10' Drill Pipe Run 4267' Mud Wt. 9.35  
 Top Packer Depth 4406' Drill Collars Run 121' Vis 55  
 Bottom Packer Depth 4411' Wt. Pipe Run — WL 7.2  
 Total Depth 4421' Chlorides 8,400 ppm System LCM 1#

Blow Description: 17-Weak Blow; Built to 3 1/4"  
1st-Weak Blow; Built to 1/2"  
77-Weak Blow; Built to 2 1/4"  
7SD-Weak Surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>35'</u>	<u>9 WCM</u>	<u>10</u>	<u>10</u>	<u>80</u>	
<u>5'</u>	<u>OCM</u>	<u>12</u>		<u>88</u>	

Rec Total 40' BHT 112° Gravity — API RW 650 @ 20 °F Chlorides 38,000 ppm

(A) Initial Hydrostatic <u>2191</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>17:54</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:21</u>
(C) First Final Flow <u>34</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:43</u>
(D) Initial Shut-In <u>1374</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>22:43</u>
(E) Second Initial Flow <u>37</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>00:31</u> <u>02/20/2018</u>
(F) Second Final Flow <u>53</u>	<input checked="" type="checkbox"/> Mileage <u>124 RT</u> <u>124</u>	Comments _____
(G) Final Shut-In <u>1363</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2164</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer

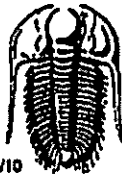
Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 1599  
 Total 1599  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative James J. Frank Thanks  
 Trilobite Testing Inc. shall not be liable for damaged or 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.  
 785-259-0056





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63751

Well Name & No. Uehling - Schuiren #1 Test No. 5 Date 02/20/2018  
 Company Palomino Petroleum Inc. Elevation 2240 KB 2235 GL  
 Address 4924 SE 84th ST Newton KS 67114 + 8827  
 Co. Rep / Geo. Andrew Stempel Rig WW#10  
 Location: Sec. 11 Twp 20s Rge. 22w Co. Neos State Ks

Interval Tested 4419'-4443' Zone Tested Mississippi  
 Anchor Length 24' Drill Pipe Run 4298' Mud Wt. 9.3  
 Top Packer Depth 4414' Drill Collars Run 121' Vls 45  
 Bottom Packer Depth 4419' Wt. Pipe Run - WL 8.0  
 Total Depth 4443' Chlorides 9200 ppm System LCM 1#

Blow Description 17-Weak Blow; Built to 2"  
1SD - No Return  
77-Weak Blow; Built to 1"  
7SD - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70'</u>	<u>WCM</u>		<u>15</u>	<u>85</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70 BHT 105° Gravity - API RW 432 @ 33 °F Chlorides 35,000 ppm

(A) Initial Hydrostatic 2186  Test 1150 T-On Location 08:09  
 (B) First Initial Flow 18  Jars 250 T-Started 08:32  
 (C) First Final Flow 28  Safety Joint 75 T-Open 11:35  
 (D) Initial Shut-In 1379  Circ Sub \_\_\_\_\_ T-Pulled 13:35  
 (E) Second Initial Flow 33  Hourly Standby \_\_\_\_\_ T-Out 15:22  
 (F) Second Final Flow 44  Mileage 12427 124 Comments Loaded tools  
 (G) Final Shut-In 1358  Sampler \_\_\_\_\_ 02/21/2018 @ 7:20  
 (H) Final Hydrostatic 2179  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1599  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Sub Total 1599

Approved By \_\_\_\_\_ Our Representative Spencer J. Neal Thanks!

TriLOBITE Testing Inc. shall not be liable for damaged or 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.

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