



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

RECEIVED

SEP 11 2017

Invoice

DATE	INVOICE #
9/5/2017	30666

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Blattner Unit	Hodgeman	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	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)				175	Sacks	15.75	2,756.25T
276	Flocele				50	Lb(s)	2.25	112.50T
290	D-Air				2	Gallon(s)	42.00	84.00T
104	Port Collar Tool Rental				1	Each	200.00	200.00T
581D	Service Charge Cement				200	Sacks	1.50	300.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							5,077.75
	Sales Tax Hodgeman County						7.65%	241.19
We Appreciate Your Business!							Total	\$5,318.94



Services, Inc.

CHARGE TO: Palomino Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET 30666

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>1100 W. 17th St</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Blythe Unit</u>	COUNTY/PARISH <u>Hedgesman</u>	STATE <u>KS</u>	CITY <u>Jetmore</u>	DATE <u>5/28/17</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input checked="" type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED <u>WCT</u>	DELIVERED TO <u>location</u>	ORDER NO.		
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement post collar</u>	WELL PERMIT NO.	WELL LOCATION <u>30-21-24</u>			
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					TRX W/	1	ea			1250.00	1250.00
330D					TRX W/	1	ea			15.75	15.75
276					TRX W/	1	ea			2.85	2.85
290					TRX W/	1	ea			42.00	42.00
104					TRX W/	1	ea			200.00	200.00
581					TRX W/	1	ea			1.50	1.50
582					TRX W/	1	ea			250.00	250.00

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

DATE SIGNED: _____ TIME SIGNED: _____

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 SERVICE?		<input type="checkbox"/> YES <input type="checkbox"/> NO	CUSTOMER DID NOT WISH TO RESPOND
PAGE TOTAL		5077.75	TOTAL 5318.94

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

SWIFT OPERATOR: _____ APPROVAL: _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 5 SEP 17 PAGE NO. 1

CUSTOMER Palomo Petroleum WELL NO. #1 LEASE Blaine Unit JOB TYPE cement port collar TICKET NO. 30666

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200sk SMD cement of 1/4# flocculo 2 7/8 x 5 1/2 port collar - 1598'
	1150							on loc TRK 114
	1215					1000	1000	test to 1000 psi - hold
	1221							open port collar
		3 1/2	2			200		inj rate 3 1/2 @ 200 psi
	1226	3 1/2				200		mix SMD cement @ 11.2 ppg
		3 1/2	2			200		- circulation to pit -
		3 1/2	96			250		→ cement to surface
								175 sk mixed 15 top
		3 1/2	8 1/2			300		Displace 8 1/2 bbl H ₂ O close port collar
	1302					1000	1000	test to 1000 psi - hold
	1310							run 5 joints
	1314		20					Reverse hole clean - 2 cement plugs -
	1320							wash truck
								Rack up
	1340							job complete Thanks Blaine, Flint # 1340



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

Invoice

DATE	INVOICE #
8/25/2017	30347

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

RECEIVED

AUG 31 2017

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Blattner Unit	Hodgeman	WW Drilling Rig ...	Oil	Development	5 1/2 Longstring	Wayne
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				25	Miles	5.00	125.00
578D-L	Pump Charge - Long String				1	Job	1,250.00	1,250.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	300.00	300.00T
409-5	5 1/2" Turbolizer				11	Each	75.00	825.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				100	Sacks	12.25	1,225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	15.75	1,968.75T
276	Flocele				50	Lb(s)	2.25	112.50T
283	Salt				500	Lb(s)	0.20	100.00T
284	Calseal				5	Sack(s)	30.00	150.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
290	D-Air				4	Gallon(s)	42.00	168.00T
581D	Service Charge Cement				225	Sacks	1.50	337.50
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							10,936.75
	Sales Tax Hodgeman County						7.65%	686.53

We Appreciate Your Business!

Total

\$11,623.28



Services, Inc.

CHARGE TO: **Palomino Petroleum**
ADDRESS
CITY, STATE, ZIP CODE

TICKET 30347

PAGE 1 OF 2

SERVICE LOCATIONS 1. Ness City, Ks	WELL PROJECT NO. #1	LEASE Barstow Unit	COUNTY/PARISH HONGEMAN	STATE Ks	CITY	DATE 8-25-17	OWNER SAME
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR W.W. DRES	RIG NAME NO. # 12	SHIPPED VIA CT	DELIVERED TO LOCATED	WELL PERMIT NO.	ORDER NO.	WELL LOCATION Mid/Termore, Ks.
WELL TYPE Oil	WELL CATEGORY Development	JOB PURPOSE 5 1/2" LOGGING	INVOICE INSTRUCTIONS				

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
575					MILEAGE #112	25	MI		\$00	125.00
578					Pump Charge - LOGGING	1	EA	4660	FT	1250.00
221					LYONDA VEL	4	EA			100.00
281					MUDFLUSH	500	GAL		1.25	625.00
403					Cement Basket	1	EA	5 1/2"		250.00
404					PORT CELLAR	1	EA	1600	FT	2500.00
406					LATCH DOWN DRIVE - Baffle	1	EA			225.00
407					Insert Floor Shoe w/Auto	1	EA			300.00
409					TORBOZZERS	11	EA			751.00
419					ROTATING HEAD Rental	1	MOB			200.00

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

DATE SIGNED: **8-25-17** TIME SIGNED: **1830** E-AMT P.M.

SWIFT OPERATOR: **Wayne Whitsed** APPROVAL: _____

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 SERVICE?
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL #1 TOTAL 1103.28

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8-25-17 PAGE NO. 1

CUSTOMER PALOMINO PETROLEUM WELL NO. #1 LEASE BLATTNER UNIT JOB TYPE 5 1/2" LONGSTRONG TICKET NO. 30347

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1830							ON LOCATION
	1930							START 5 1/2" CASING IN WELL
								TD-4660 SET @ 4658
								TP-4660 5 1/2" # 15.5
								SET-44'
								TURBOLIZERS - 1,3,5,7,9,11,13,15,17,19,72
								CMY BSPTS - 73
								PORT COLLAR - 1600' TOPFIT # 73
	2200							DROP BALL - CIRCULATE ROTATE TIGHT
	2250	6	12		✓		400	PUMP 500 GAL MUDFLUSH
	2252	6	20		✓		400	PUMP 20 DBLS KCL-FLUSH
	2300		7					PLUG RH (30SKS)
	2310	4 1/2	37		✓		250	MAX CEMENT - 95 SKS SMD @ 12.5 PPG
		4	24		✓		150	100 SKS EAR @ 15.5 PPG
	2325							WASH OUT PUMP - LINES
	2325							RELEASE L.D. PLUG
	2330		0		✓			DISPLACE PLUG (1ST TANK KCL)
			73				0	TRUCK SHUT OFF - CANN PLUG w/ MUD PUMP
	2350		109.9				1500	PLUG DOWN - PSE UP LATCH TO PLUG
	2355						OK	RELEASE PSE - HELD
								WASH TRUCK
	0100							JOB COMPLETE

THANK YOU
WAYNE, PRESTON, KIRBY



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

Date: 8/16/2017
 Invoice # 278

P.O.#:
 Due Date: 9/15/2017
 Division: *Russell*

Invoice

RECEIVED

AUG 19 2017

Contact:
 Palomino Petroleum Inc
 Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 BLATTNES UNIT 1 SEC 30-21-24

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	No				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 76.83	No				
Premium Gel (Bentonite)	3	\$ 59.41	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 59.76	No				

Invoice Terms:

Net 30

SubTotal: \$ 2,974.97

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (74.37)

SubTotal for Taxable Items: \$ 2,067.48

SubTotal for Non-Taxable Items: \$ 833.12

Total: \$ 2,900.60

Tax: \$ 158.16

7.65% Hodgeman County Sales Tax

Thank You For Your Business!

Amount Due: \$ 3,058.76

Applied Payments:

Balance Due: \$ 3,058.76

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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QUALITY OILWELL CEMENTING, INC.

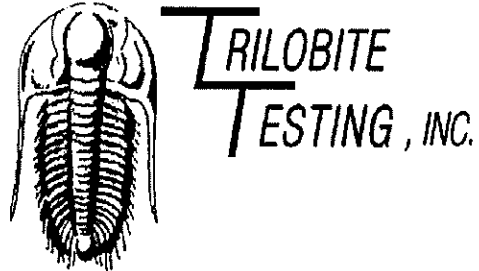
Federal Tax I.D.# 20-2886107

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

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

No. 287

Date	8-16-17	Sec.	30	Twp.	21	Range	24	County	Hodgeman	State	Ks	On Location		Finish	3:45 PM
Lease	Blattner unit		Well No.	1		Owner	Jw 15 Jw N/S								
Contractor	WW #12					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.									
Type Job	Surface					Charge To	Palamino Petroleum								
Hole Size	12 1/4"		T.D.	212'		Street									
Csg.	8 5/8"		Depth	212'		City									
Tbg. Size			Depth			State									
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	15'		Shoe Joint	15'		Cement Amount Ordered	150 80/20 3x2								
Meas Line			Displace	12 1/2 Bcs											
EQUIPMENT						Common	120								
Pumptrk	16	No.	Cementer	Travis		Poz. Mix	30								
			Helper			Gel.	3								
Bulktrk	9	No.	Driver	Tony		Calcium	6								
			Driver												
Bulktrk	p.u.	No.	Driver	Rick											
			Driver												
JOB SERVICES & REMARKS						Hulls									
Remarks:	Cement did Circulate					Salt									
Rat Hole						Flowseal									
Mouse Hole						Kol-Seal									
Centralizers						Mud CLR 48									
Baskets						CFL-117 or CD110 CAF 38									
D/V or Port Collar						Sand									
						Handling	159'								
						Mileage									
FLOAT EQUIPMENT						Guide Shoe									
						Centralizer									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
						Pumptrk Charge	Surface								
						Mileage	25								
X Signature: <i>[Signature]</i>						Tax									
						Discount									
						Total Charge									



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114+8827

ATTN: Ryan Seib

Blattner Unit #1

30-21S-24W Hodgeman,KS

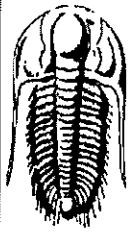
Start Date: 2017.08.23 @ 09:19:00

End Date: 2017.08.23 @ 17:11:15

Job Ticket #: 63032 DST #: 1

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

Printed: 2017.08.25 @ 13:57:25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

30-21S-24W Hodgeman,KS

4924 SE 84th St.
New ton KS 67114+8827

Blattner Unit #1

Job Ticket: 63032 DST#: 1

ATTN: Ryan Seib

Test Start: 2017.08.23 @ 09:19:00

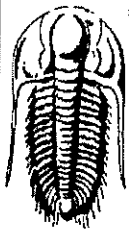
Tool Information

Drill Pipe:	Length: 4357.00 ft	Diameter: 3.80 inches	Volume: 61.12 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4498.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	37.00 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			4471.00	
Shut In Tool	5.00			4476.00	
Hydraulic tool	5.00			4481.00	
Jars	5.00			4486.00	
Safety Joint	3.00			4489.00	
Packer	5.00			4494.00	28.00 Bottom Of Top Packer
Packer	4.00			4498.00	
Stubb	1.00			4499.00	
Perforations	4.00			4503.00	
Recorder	0.00	9120	Inside	4503.00	
Recorder	0.00	8934	Inside	4503.00	
Bullnose	4.00			4507.00	9.00 Bottom Packers & Anchor

Total Tool Length: 37.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

30-21S-24W Hodgeman, KS

4924 SE 84th St.
New ton KS 67114+8827

Blattner Unit #1

Job Ticket: 63032 DST#: 1

ATTN: Ryan Seib

Test Start: 2017.08.23 @ 09:19:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 42000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5350.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	WCMO 20%W 40%M 40%O	0.246
80.00	Clean Oil 100%O	0.485

Total Length: 130.00 ft Total Volume: 0.731 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM

RW=.143@85degrees

Serial #: 8934

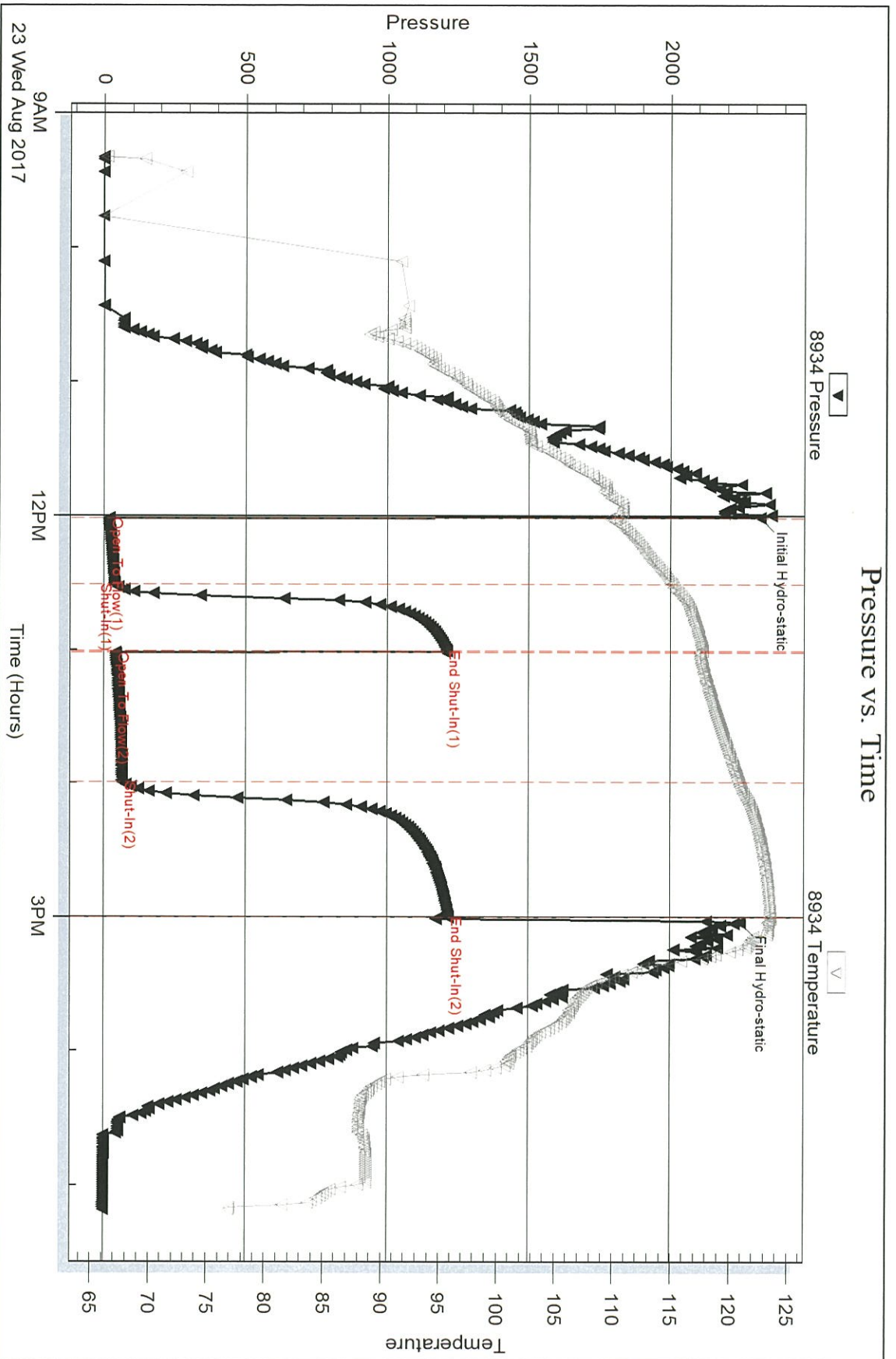
Inside

Palomino Petroleum

Blattner Unit #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63032

Printed: 2017.08.25 @ 13:57:26

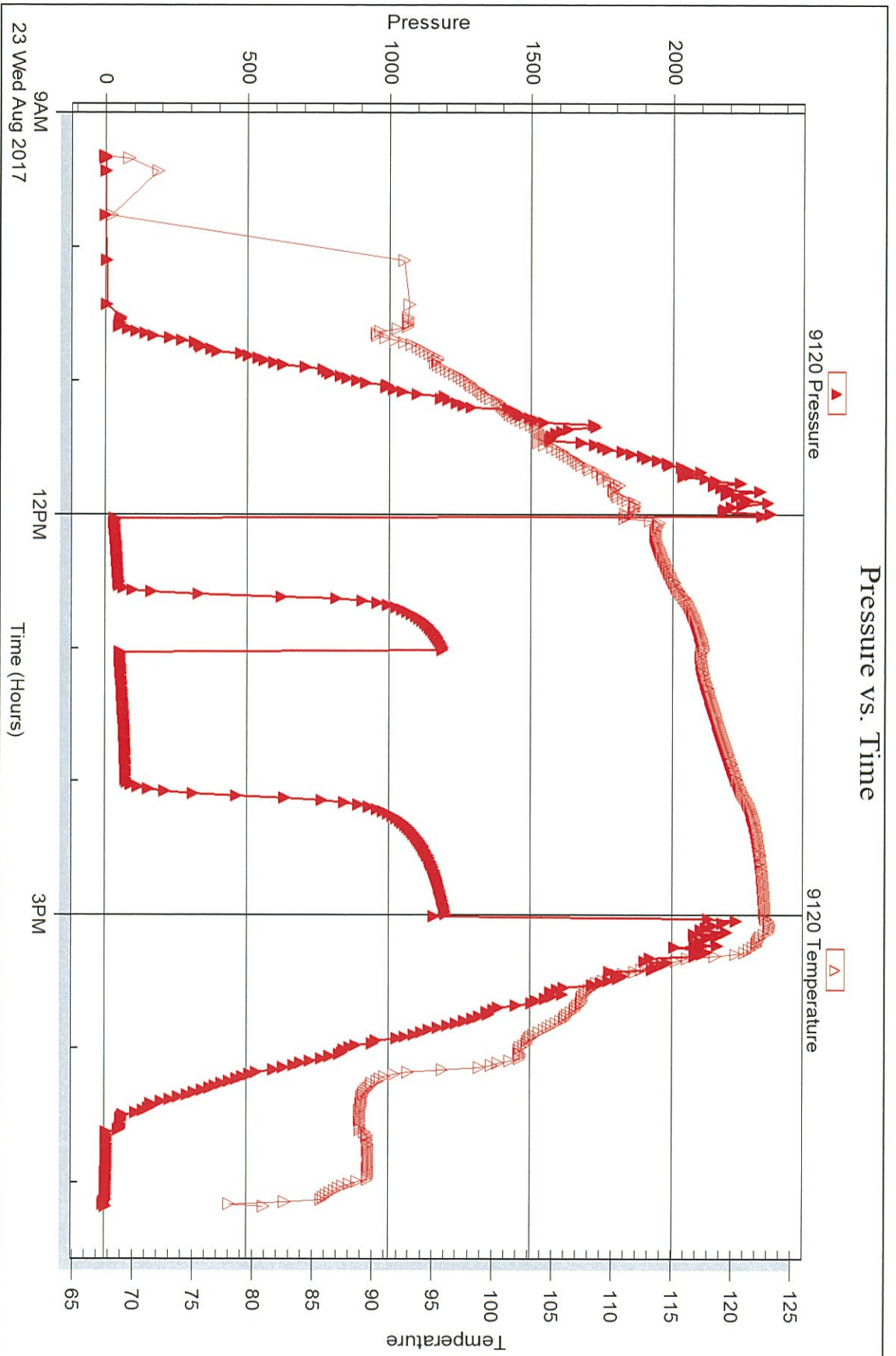
Serial #: 9120

Inside

Palomino Petroleum

Blatner Unit #1

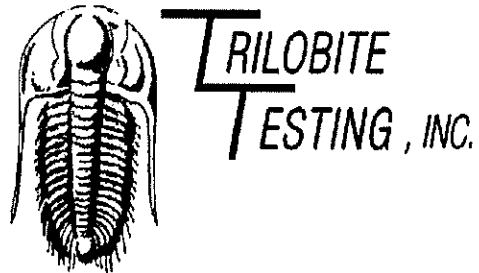
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63032

Printed: 2017.08.25 @ 13:57:26



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114+8827

ATTN: Ryan Seib

Blattner Unit #1

30-21S-24W Hodgeman,KS

Start Date: 2017.08.24 @ 12:36:00

End Date: 2017.08.24 @ 20:25:45

Job Ticket #: 63033 DST #: 2

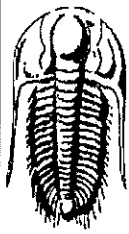
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.08.25 @ 13:56:07

Palomino Petroleum
30-21S-24W Hodgeman,KS
Blattner Unit #1
DST # 2
Mississippi
2017.08.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St.
 Newton KS 67114+8827
 ATTN: Ryan Seib

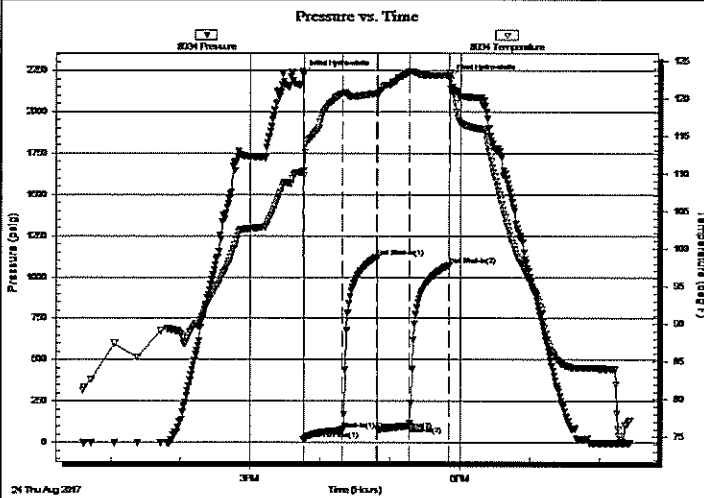
30-21S-24W Hodgeman, KS
Blattner Unit #1
 Job Ticket: 63033 DST#: 2
 Test Start: 2017.08.24 @ 12:36:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:45:45 Tester: Spencer J. Staab
 Time Test Ended: 20:25:45 Unit No: 84
 Interval: 4503.00 ft (KB) To 4517.00 ft (KB) (TVD) Reference Elevations: 2378.00 ft (KB)
 Total Depth: 4517.00 ft (KB) (TVD) 2370.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8934 Outside
 Press@RunDepth: 100.58 psig @ 4504.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.24 End Date: 2017.08.24 Last Calib.: 2017.08.24
 Start Time: 12:36:15 End Time: 20:25:45 Time On Btm: 2017.08.24 @ 15:45:30
 Time Off Btm: 2017.08.24 @ 17:51:15

TEST COMMENT: 30-IF-Fair Blow ; BOB in 25 mins
 30-ISI-Slight Surface Blow ; died 10 mins in
 30-FF-Fair Blow ; BOB in 26 mins
 30-FSI- 1/4" Return; died in 20 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.72	110.38	Initial Hydro-static
1	19.98	109.76	Open To Flow (1)
34	74.62	120.64	Shut-In(1)
63	1121.57	120.62	End Shut-In(1)
64	79.42	120.19	Open To Flow (2)
91	100.58	123.48	Shut-In(2)
126	1073.35	123.00	End Shut-In(2)
126	2203.30	123.44	Final Hydro-static

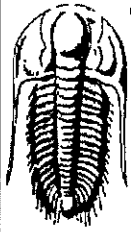
Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCMW 30%O 30%M 40%W	0.34
60.00	WCMO 10%W 40%M 50%O	0.39
100.00	Gassy Oil 15%G 85%O	1.40
0.00	200' GIP	0.00

* 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
4924 SE 84th St.
New ton KS 67114+8827
ATTN: Ryan Seib

30-21S-24W Hodgeman,KS
Blattner Unit #1
Job Ticket: 63033 DST#: 2
Test Start: 2017.08.24 @ 12:36:00

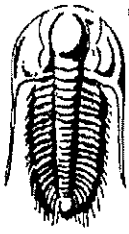
Tool Information

Drill Pipe:	Length: 4389.00 ft	Diameter: 3.80 inches	Volume: 61.57 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4503.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 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			4476.00	
Shut In Tool	5.00			4481.00	
Hydraulic tool	5.00			4486.00	
Jars	5.00			4491.00	
Safety Joint	3.00			4494.00	
Packer	5.00			4499.00	28.00 Bottom Of Top Packer
Packer	4.00			4503.00	
Stubb	1.00			4504.00	
Recorder	0.00	9120	Inside	4504.00	
Recorder	0.00	8934	Outside	4504.00	
Perforations	9.00			4513.00	
Bullnose	4.00			4517.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

30-21S-24W Hodgeman, KS

4924 SE 84th St.
New ton KS 67114+8827

Blattner Unit #1

Job Ticket: 63033

DST#: 2

ATTN: Ryan Seib

Test Start: 2017.08.24 @ 12:36:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 12.78 in³

Resistivity: ohm.m

Salinity: 8500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

41 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	OCMV 30%O 30%M 40%W	0.344
60.00	WCMO 10%W 40%M 50%O	0.386
100.00	Gassy Oil 15%G 85%O	1.403
0.00	200' GIP	0.000

Total Length: 230.00 ft Total Volume: 2.133 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

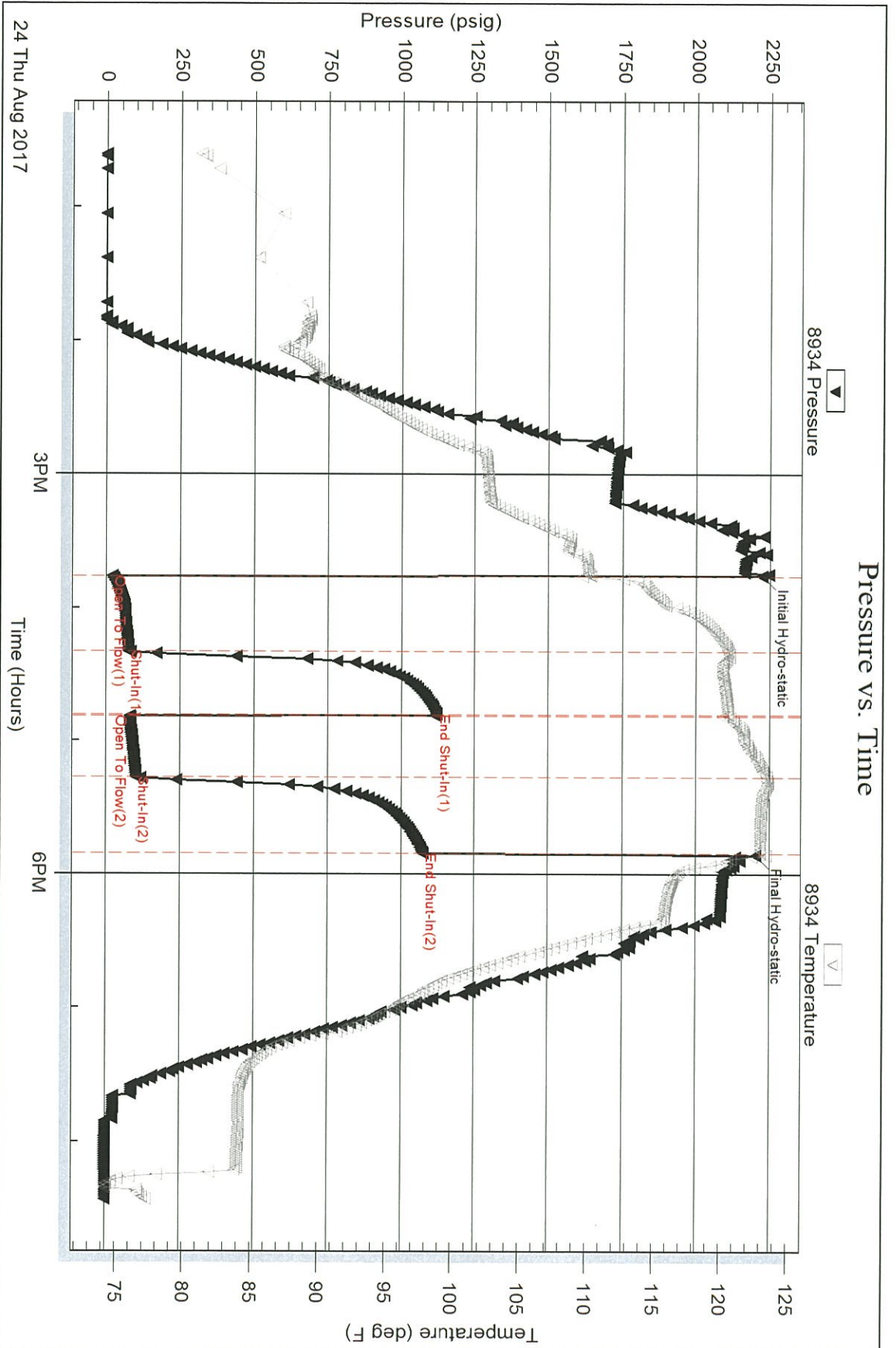
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

Rw = .162@75degrees



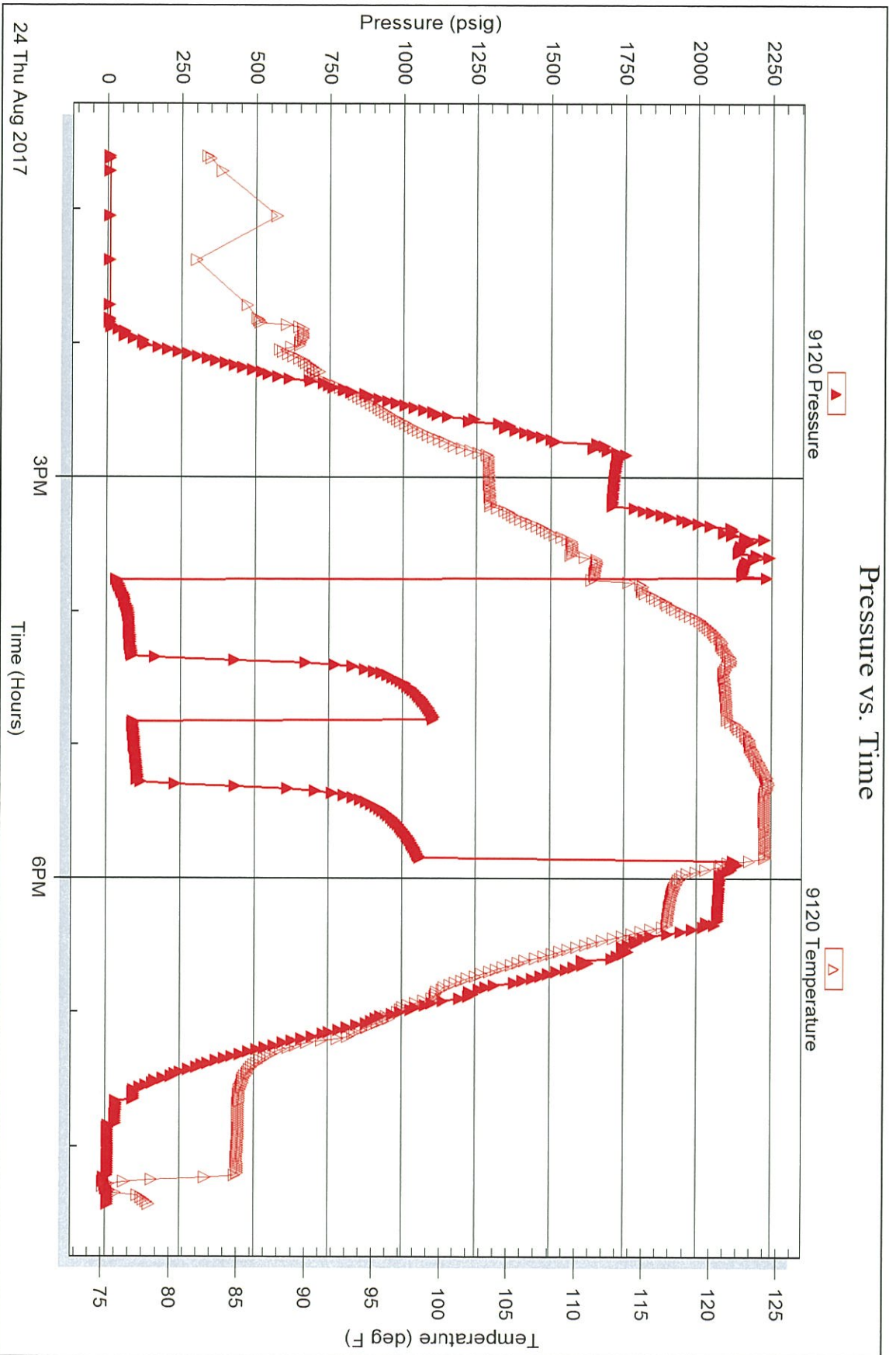
Serial #: 9120

Inside

Palomino Petroleum

Blattner Unit #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63033

Printed: 2017.08.25 @ 13:56:19



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63032

Well Name & No. Blattner Unit #1 Test No. 1 Date 08/23/2017
 Company Palomino Petroleum Inc. Elevation 2378 KB 2370 GL
 Address 4924 SE 84th ST Newton KS 67114 + 8827
 Co. Rep / Geo. Ryan Seib Rig 909W#12
 Location: Sec. 30 Twp. 21s Rge. 24w Co. Hodgeman State Ks

Interval Tested 4498'-4507' Zone Tested Mississippi
 Anchor Length 9' Drill Pipe Run 4357' Mud Wt. 9.4
 Top Packer Depth 4493' Drill Collars Run 121' Vis 51
 Bottom Packer Depth 4498' Wt. Pipe Run - WL 10.0
 Total Depth 4507' Chlorides 5,350 ppm System LCM 1#

Blow Description J7 - Weak Blow; Built to 3"

J8 - No Return

J7 - Weak Blow; Built to 5"

J8 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>WC MO</u>	<u>40</u>	<u>20</u>	<u>40</u>	
<u>80</u>	<u>Clean 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 130' BHT 123° Gravity 40° API RW 143 @ 85 °F Chlorides 42,000 ppm

- (A) Initial Hydrostatic 2317
- (B) First Initial Flow 19
- (C) First Final Flow 37
- (D) Initial Shut-In 1212
- (E) Second Initial Flow 41
- (F) Second Final Flow 65
- (G) Final Shut-In 1218
- (H) Final Hydrostatic 2247

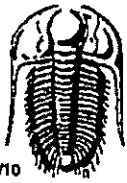
- Test 1150
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby 6hrs 5hrs 400
- Mileage 178 RT 168rt 126
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 2001

- T-On Location 00:50
- T-Started 09:19
- T-Open 12:00
- T-Pulled 3:00
- T-Out 17:09
- Comments Stayed in
Near House
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 2001
- MP/DST Disc't

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Approved By _____

Our Representative Spencer J. Faal Thanks!
 785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63033

Well Name & No. Blattner Unit #1 Test No. 2 Date 08/24/2017
 Company Palominer Petroleum Inc Elevation 2378 KB 2370 GL
 Address 4924 SE 84th St Newton KS 67114 + 8827
 Co. Rep / Geo. Ryan Seib Rlg WW#12
 Location: Sec. 30 Twp. 21s Rge. 24w Co. Hodgeman State Ks

Interval Tested 4503' - 4517' Zone Tested Mississippi
 Anchor Length 14' Drill Pipe Run 4389' Mud Wt. 9.05
 Top Packer Depth 4498' Drill Collars Run 121' Vis 49
 Bottom Packer Depth 4503' Wt. Pipe Run - WL 12.8
 Total Depth 4517' Chlorides 8,500 ppm System LCM 1#

Blow Description 77- Fair Blow; BOB in 25 mins
75- Blight Surface Blow; died 10 mins in
77- Fair Blow; BOB in 26 mins
75D- 1/4" Return; died 20 mins in

Rec	Feet of	%gas	%oil	%water	%mud
<u>70'</u>	<u>OCMW</u>	<u>30</u>	<u>40</u>	<u>30</u>	
<u>60'</u>	<u>WC MO</u>	<u>50</u>	<u>10</u>	<u>40</u>	
<u>100'</u>	<u>Heavy Oil</u>	<u>15</u>	<u>85</u>		
<u>200'</u>	<u>LTP</u>				

Rec Total 230' BHT 123° Gravity 41° API RW 162 @ 75 °F Chlorides 44,000 ppm

(A) Initial Hydrostatic <u>2223</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>11:30</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:36</u>
(C) First Final Flow <u>74</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:45</u>
(D) Initial Shut-In <u>1121</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>17:45</u>
(E) Second Initial Flow <u>79</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:23</u>
(F) Second Final Flow <u>100</u>	<input checked="" type="checkbox"/> Mileage <u>17827</u> 126	Comments <u>loaded tools @ 12:00</u>
(G) Final Shut-In <u>1073</u>	<input type="checkbox"/> Sampler	<u>8/25/2017 stayed in</u>
(H) Final Hydrostatic <u>2203</u>	<input type="checkbox"/> Straddle	<u>mess house</u>

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1727</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1727</u>	

Approved By _____ Our Representative Spencer J. Jacob Thanks!
 785-259-0056