



# SWIFT



*Services, Inc.*

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



RECEIVED

APR 24 2015

## Invoice

DATE	INVOICE #
4/20/2015	28502

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	Nuttle Trust	Ness	WW Drilling Rig ...	Oil	Development	5-1/2" LongString	Jason
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	1,250.00	1,250.00
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				10	Each	75.00	750.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
276	Flocele				60	Lb(s)	2.25	135.00T
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				2.5	Gallon(s)	42.00	105.00T
325	Standard Cement				100	Sacks	12.25	1,225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	15.75	1,968.75T
581D	Service Charge Cement				225	Sacks	1.50	337.50
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							10,796.25
	Sales Tax Ness County						6.15%	544.81

**We Appreciate Your Business!**

**Total**

\$11,341.06



Services, Inc.

CHARGE TO: PAULINO PETROLEUM

ADDRESS

CITY, STATE, ZIP CODE

TICKET 28502

PAGE 1 OF 2

1. SERVICE LOCATION <u>NESS City, KS</u>	WELL PROJECT NO. <u>#1</u>	LEASE <u>NUTTIE TRUST</u>	COUNTY/PARISH <u>NESS</u>	STATE <u>KS</u>	CITY <u>ARBUCK, KS</u>	DATE <u>20 APR 15</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>WWS DRIG RIG # 10</u>	RIG NAME/NO.		SHIPPED VIA	DELIVERED TO	ORDER NO.	
3. WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>5 3/4 HOE STRIKES</u>					
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
525					MILEAGE \$115	20	MIL			5.00	100.00
578					PUMP CHARGE	1	JOB			1250.00	1250.00
4D3					CEMENT BASKET	1	EA.			250.00	250.00
4D4					PORT COLLAR	1	EA.			250.00	250.00
4D6					LATEX DROWN PLUG & BARELE	1	EA.			225.00	225.00
4D7					DESERT FLOAT SHADE W/ FILL	1	EA.			300.00	300.00
4D9					TURBIDIZERS	10	EA.			75.00	750.00
419					ROTATING HEAD RENTAL	1	JOB			200.00	200.00
281					MUD FLUSH	5	JOB			1.95	60.25
281					LIQUID KIL	4	JOB			24.50	98.00

**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 20 APR 15 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**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

PAGE TOTAL	1	6300.00
TOTAL	11,341.00	

SWIFT OPERATOR [Signature] APPROVAL [Signature]

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

Thank You.



JOB LOG

SWIFT Services, Inc.

DATE 20 APR 15 PAGE NO.

CUSTOMER PALOMINO PETROLEUM

WELL NO.

LEASE JUSTICE TRUST # 1

JOB TYPE 5 2 LONG STRING

TICKET NO. 28502

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1520							ON LOCATION
	1700							START PIPE 5 1/2 14# RTD @ 4665 LTD @ 4666 SHDET. 43.10 SET @ 4662 CENTRALIZERS 1,2,3,5,7,9,11,13,15,65 BASKET. 66 PORT COLLAR # 66 @ 1908
	1845				✓			DROP BALL CIRCULATE
	1927	6	12		✓		300	Pump 500 gal mud FLUSH
		6	20		✓		300	Pump 2 DBH KCL SPACER
	1935		7					PLUG RA-30sx
	1938	4	35		✓			MIX 95sx SMD
		4	24		✓			MIX 100sx EA-2
	1957							WASHOUT Pump & LINES
	2003	6			✓			START DISPLACING PLUG
	2022	Ø	113		✓		1800	PLUG DOWN - LATCH PLUG IN
	2024				✓			RELEASE PSI - DRY
	2025							WASH TRUCK
	2100							JOB COMPLETE
								THANKS # 115
								JASON COLE ISAAC



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



RECEIVED

MAY 02 2015

# Invoice

DATE	INVOICE #
4/29/2015	28375

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	Nuttle-Trust	Ness	Express Well Serv...	Oil	Development	Cement Port Collar	Blaine

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	20	Miles	5.00	100.00
576D-D	Pump Charge - Port Collar	1	Job	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)	160	Sacks	15.75	2,520.00T
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	225	Sacks	1.50	337.50
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				4,854.00
	Sales Tax Ness County			6.15%	179.36

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$5,033.36
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Services, Inc.

CHARGE TO: Palawins Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET 28375

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Wm City, KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Hittle - Test</u>	COUNTY/PARISH <u>Neos</u>	STATE <u>KS</u>	CITY <u>Arnold</u>	DATE <u>29 APR 15</u>	OWNER
2. <u>Hays, KS</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED <u>WEST</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>071</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>conduit port collier</u>	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							
<u>575</u>				MILEAGE	<u>20</u>	<u>mi.</u>			<u>5.08</u>	<u>1000.00</u>
<u>575</u>				Pump Charge	<u>1</u>	<u>ea</u>			<u>12.50</u>	<u>12.50.00</u>
<u>336</u>				SUD cement	<u>160</u>	<u>sk</u>			<u>15.75</u>	<u>2520.00</u>
<u>276</u>				Fluore	<u>50</u>	<u>lb</u>			<u>2.85</u>	<u>112.50</u>
<u>290</u>				D-raise	<u>2</u>	<u>pad</u>			<u>42.00</u>	<u>84.00</u>
<u>164</u>				Port Collier Tool Rental	<u>1</u>	<u>ea</u>			<u>200.00</u>	<u>200.00</u>
<u>581</u>				Service Charge	<u>225</u>	<u>sk</u>			<u>1.50</u>	<u>337.50</u>
<u>582</u>				Drayage (min)	<u>1</u>	<u>ea</u>			<u>250.00</u>	<u>250.00</u>

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

DATE SIGNED: Alan Blankel TIME SIGNED:  A.M.  P.M. 11:15

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

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
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	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL: 4853.00

TAX: 6.15%

TOTAL: 5033.30

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: BBW APPROVAL

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!

JOB LOG

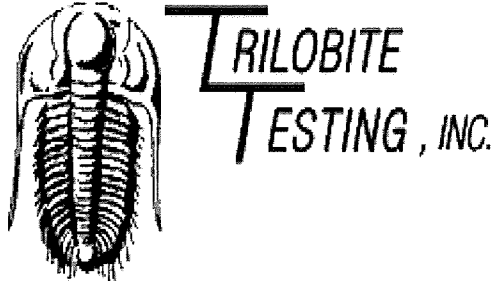
SWIFT Services, Inc.

DATE: 22 APR 15 PAGE NO. 1

CUSTOMER: Palomares Petroleum WELL NO. #1 LEASE: NUTTLE - TRUST JOB TYPE: cement part collar TICKET NO. 28375

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								225 sk SMD cement w/ 1/4" floccle 28x5 1/2 part collar @ 1109
	1000							on loc TRK 114
	1020					1000	1000	test to 1000 psi
	1023	3 1/2	2			150		open part collar inject 3 1/2 bpm @ 150 psi
	1028	3 1/2				150		mix SMD cement @ 112 ppm
		3 1/2	14			150		- fluid to surface -
	1050	3 1/2	86			350		— cement to surface —
		3 1/2	10			350		Displace 10 bbl H <sub>2</sub> O { 160 sk water 15 to part }
	1057					1000	1000	close part collar test to 1000 psi
	1106							Run 5 joints
	1108		25					Reverse hole clean - 2 cement plugs
	1115							wash truck
								Rack up
	1145							job complete
								Thanks
								Blaine Flint & good





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th ST  
Newton KS 67114-8827

ATTN: Nick.Gerstner

### **Nuttle Trust #1**

### **24-16s-25w Ness,KS**

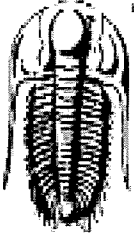
Start Date: 2015.04.19 @ 04:20:40

End Date: 2015.04.19 @ 11:25:49

Job Ticket #: 60578                      DST #: 1

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

Printed: 2015.04.20 @ 16:33:00



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th ST  
 New ton KS 67114-8827  
 ATTN: Nick.Gerstner

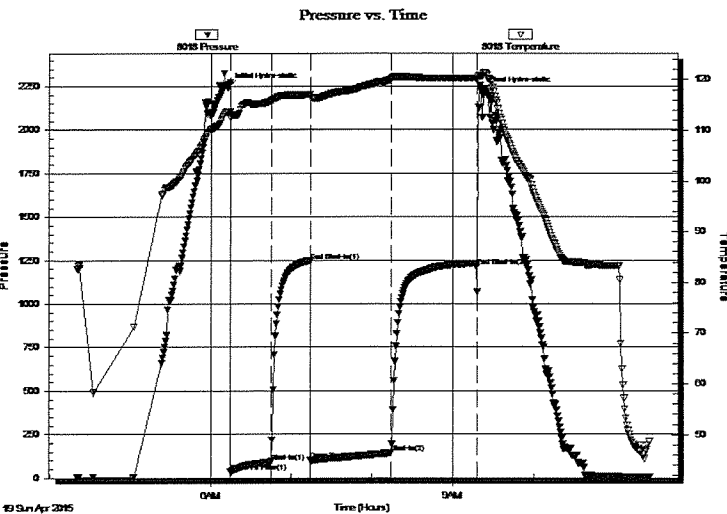
**24-16s-25w Ness,KS**  
**Nuttle Trust #1**  
 Job Ticket: 60578 **DST#: 1**  
 Test Start: 2015.04.19 @ 04:20:40

## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 06:14:05 Tester: Ray Schwager  
 Time Test Ended: 11:25:49 Unit No: 70  
 Interval: **4483.00 ft (KB) To 4545.00 ft (KB) (TVD)** Reference Elevations: 2552.00 ft (KB)  
 Total Depth: 4545.00 ft (KB) (TVD) 2547.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

**Serial #: 8018** **Inside**  
 Press@RunDepth: 143.31 psig @ 4489.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.04.19 End Date: 2015.04.19 Last Calib.: 2015.04.19  
 Start Time: 04:20:40 End Time: 11:25:49 Time On Btm: 2015.04.19 @ 06:12:05  
 Time Off Btm: 2015.04.19 @ 09:21:34

**TEST COMMENT:** 30-IFP-w k to a gd bl 1/2" to 6" bl  
 30-ISIP-no bl bk  
 60-FFP-w k to a gd bl 1/4" to 6 1/2" bl  
 60-FSIP-surface bl bk



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.24	113.70	Initial Hydro-static
2	35.32	112.49	Open To Flow (1)
33	93.40	115.81	Shut-In(1)
62	1242.87	117.07	End Shut-In(1)
63	103.05	116.56	Open To Flow (2)
122	143.31	120.18	Shut-In(2)
186	1211.02	120.23	End Shut-In(2)
190	2217.73	120.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	O&GCWM 10%G10%O40%W40%M	0.30
190.00	MGO 20%G15%M65%O	2.12
85.00	CO	1.19
0.00	230'GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc

**24-16s-25w Ness,KS**

4924 SE 84th ST  
New ton KS 67114-8827

**Nuttle Trust #1**

Job Ticket: 60578

**DST#: 1**

ATTN: Nick.Gerstner

Test Start: 2015.04.19 @ 04:20:40

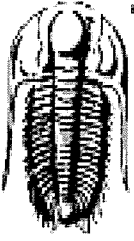
## Tool Information

Drill Pipe:	Length: 4361.00 ft	Diameter: 3.80 inches	Volume: 61.17 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 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: 75000.00 lb
		Total Volume: 61.76 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4483.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4455.00	
Shut In Tool	5.00			4460.00	
Hydraulic tool	5.00			4465.00	
Jars	5.00			4470.00	
Safety Joint	3.00			4473.00	
Packer	5.00			4478.00	29.00 Bottom Of Top Packer
Packer	5.00			4483.00	
Stubb	1.00			4484.00	
Perforations	5.00			4489.00	
Recorder	0.00	8018	Inside	4489.00	
Recorder	0.00	8700	Outside	4489.00	
Blank Spacing	33.00			4522.00	
Perforations	20.00			4542.00	
Bullnose	3.00			4545.00	62.00 Bottom Packers & Anchor

**Total Tool Length: 91.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc

**24-16s-25w Ness, KS**

4924 SE 84th ST  
New ton KS 67114-8827

**Nuttle Trust #1**

Job Ticket: 60578

**DST#: 1**

ATTN: Nick.Gerstner

Test Start: 2015.04.19 @ 04:20:40

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.31 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	O&GCWM 10%G10%O40%V40%M	0.295
190.00	MGO 20%G15%M65%O	2.119
85.00	CO	1.192
0.00	230'GIP	0.000

Total Length: 335.00 ft      Total Volume: 3.606 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .25@60F

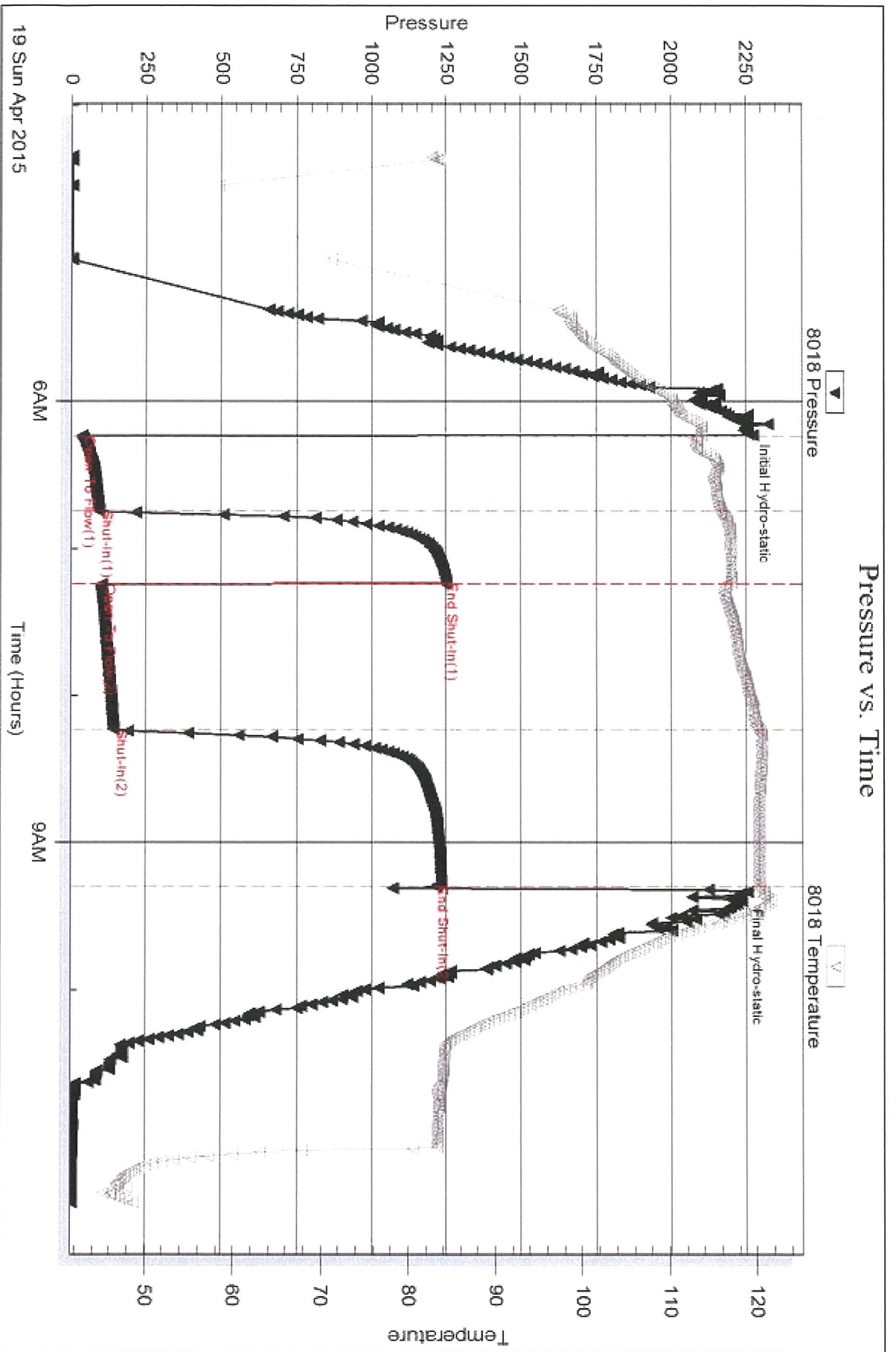
Serial #: 8018

Inside

Palomino Petroleum Inc

Nuttle Trust #1

DST Test Number: 1



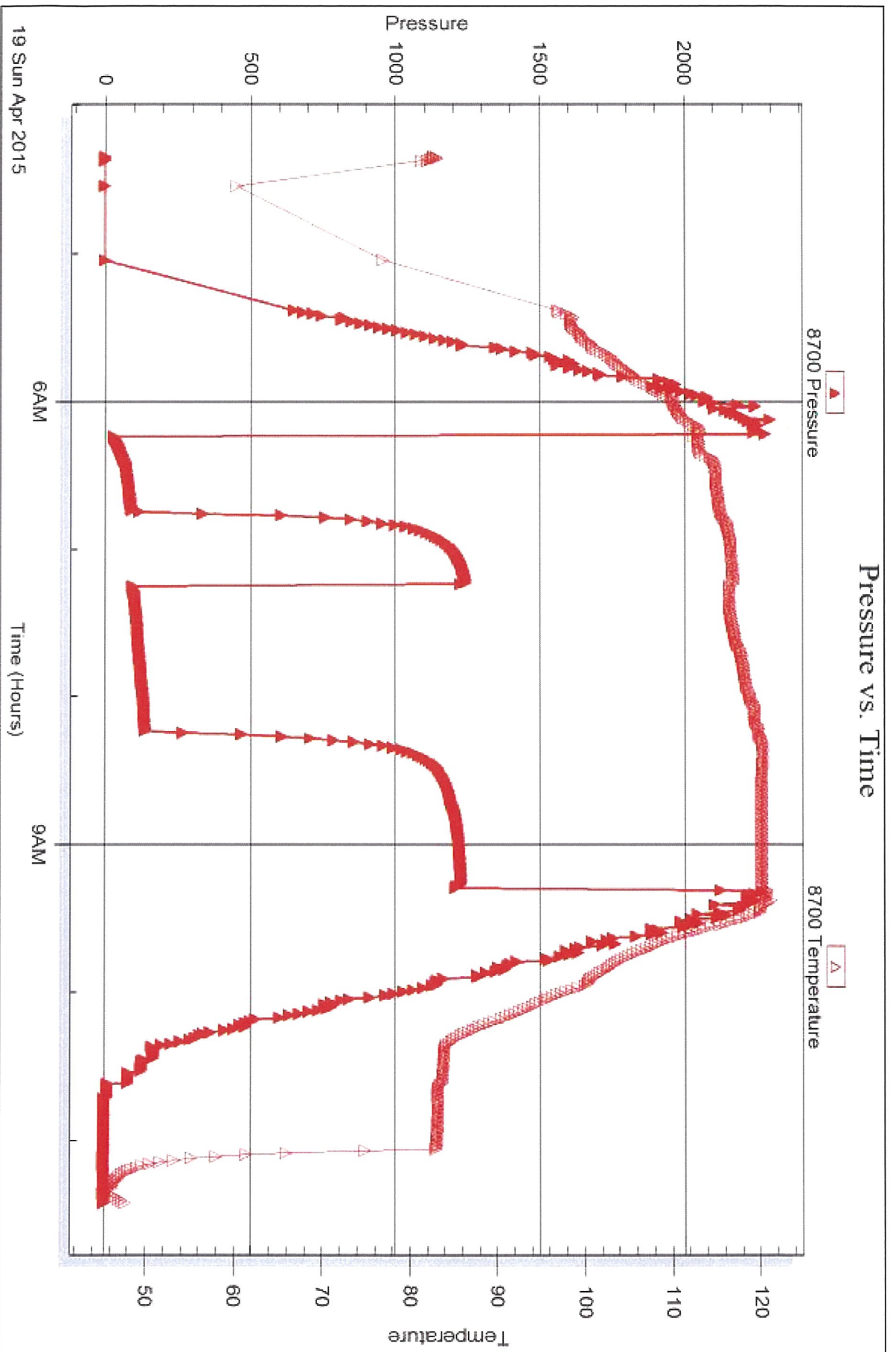
Serial #: 8700

Outside

Palomino Petroleum Inc

Nuttle Trust #1

DST Test Number: 1



19 Sun Apr 2015

GAM

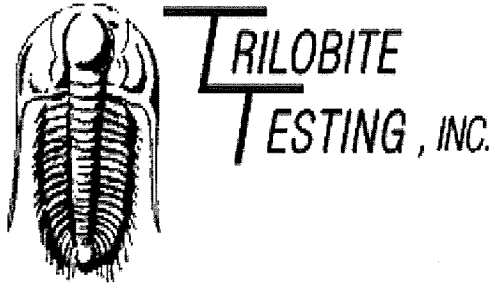
Time (Hours)

GAM

Tribble Testing, Inc

Ref. No: 60578

Printed: 2015 04 20 @ 16:33:05



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th ST  
Newton KS 67114-8827

ATTN: Nick.Gerstner

### **Nuttle Trust #1**

#### **24-16s-25w Ness,KS**

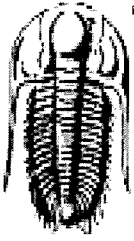
Start Date: 2015.04.20 @ 04:50:46

End Date: 2015.04.20 @ 10:24:40

Job Ticket #: 60579                      DST #: 2

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
4924 SE 84th ST  
New ton KS 67114-8827  
ATTN: Nick.Gerstner

**24-16s-25w Ness,KS**

**Nuttle Trust #1**

Job Ticket: 60579

**DST#: 2**

Test Start: 2015.04.20 @ 04:50:46

## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 06:36:11  
 Tester: Ray Schwager  
 Time Test Ended: 10:24:40  
 Unit No: 70  
 Interval: **4545.00 ft (KB) To 4573.00 ft (KB) (TVD)**  
 Reference Elevations: 2552.00 ft (KB)  
 Total Depth: 4666.00 ft (KB) (TVD)  
 2547.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 5.00 ft

## Serial #: 8018

Inside

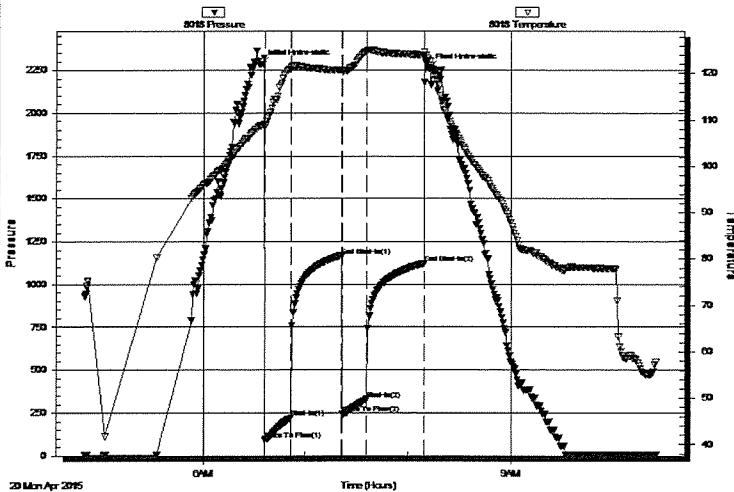
Press@RunDepth: 329.05 psig @ 4551.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.04.20 End Date: 2015.04.20 Last Calib.: 2015.04.20  
 Start Time: 04:50:46 End Time: 10:24:40 Time On Btm: 2015.04.20 @ 06:33:56  
 Time Off Btm: 2015.04.20 @ 08:11:41

TEST COMMENT: 15-IFP-strg bl in 2 min  
 30-ISIP-1" bl bk  
 15-FFP-strg bl in 4 min  
 30-FSIP-1" bl bk

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2285.69	108.77	Initial Hydro-static
3	92.35	108.37	Open To Flow (1)
18	221.52	121.26	Shut-In(1)
48	1164.86	120.76	End Shut-In(1)
48	244.35	120.40	Open To Flow (2)
62	329.05	124.83	Shut-In(2)
96	1122.60	124.06	End Shut-In(2)
98	2264.47	122.90	Final Hydro-static

Pressure vs. Time



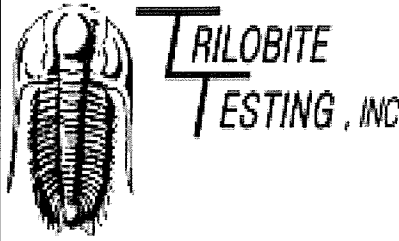
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	275' GIP	0.00
90.00	SOCW 2%O98%W	0.44
340.00	GWCO 45%G10%W45%O	4.50
248.00	SMCGO 20%G4%M5%W71%O	3.48
100.00	CO	1.40

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th ST  
 New ton KS 67114-8827  
 ATTN: Nick.Gerstner

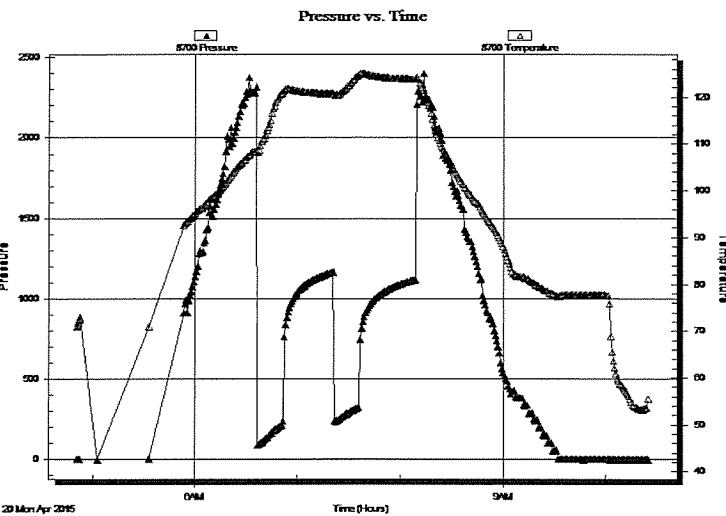
**24-16s-25w Ness,KS**  
**Nuttle Trust #1**  
 Job Ticket: 60579 **DST#:2**  
 Test Start: 2015.04.20 @ 04:50:46

## GENERAL INFORMATION:

Formation: <b>Miss</b>		Test Type: Conventional Straddle (Reset)
Deviated: No Whipstock:	ft (KB)	Tester: Ray Schwager
Time Tool Opened: 06:36:11		Unit No: 70
Time Test Ended: 10:24:40		
<b>Interval: 4545.00 ft (KB) To 4573.00 ft (KB) (TVD)</b>		Reference Elevations: 2552.00 ft (KB)
Total Depth: 4666.00 ft (KB) (TVD)		2547.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft

<b>Serial #: 8700</b>	<b>Outside</b>		
Press@RunDepth: psig @ 4551.00 ft (KB)	Capacity: 8000.00 psig		
Start Date: 2015.04.20	End Date: 2015.04.20	Last Calib.: 2015.04.20	
Start Time: 04:50:57	End Time: 10:24:51	Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 15-IFP-strg bl in 2 min  
 30-ISIP-1" bl bk  
 15-FFP-strg bl in 4 min  
 30-FSIP-1" bl bk



## PRESSURE SUMMARY

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

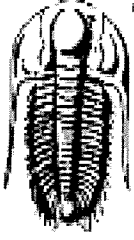
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	275' GIP	0.00
90.00	SOCW 2%O98%W	0.44
340.00	GWCO 45%G10%W45%O	4.50
248.00	SMCOG 20%G4%M5%W71%O	3.48
100.00	CO	1.40

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
4924 SE 84th ST  
New ton KS 67114-8827  
ATTN: Nick.Gerstner

**24-16s-25w Ness,KS**  
**Nuttle Trust #1**  
Job Ticket: 60579      **DST#: 2**  
Test Start: 2015.04.20 @ 04:50:46

**GENERAL INFORMATION:**

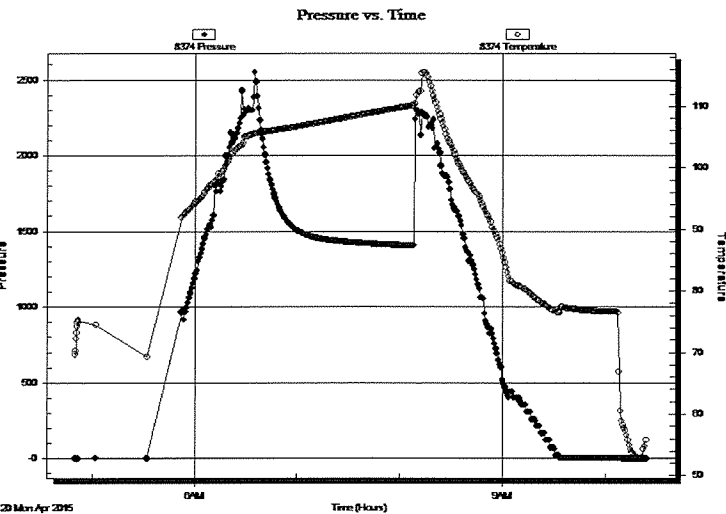
Formation: **Miss**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 06:36:11  
Time Test Ended: 10:24:40  
Test Type: Conventional Straddle (Reset)  
Tester: Ray Schwager  
Unit No: 70  
**Interval: 4545.00 ft (KB) To 4573.00 ft (KB) (TVD)**  
Reference Elevations: 2552.00 ft (KB)  
Total Depth: 4666.00 ft (KB) (TVD)      2547.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 5.00 ft

**Serial #: 8374**

**Below (Straddle)**

Press@RunDepth:      psig @ 4585.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.04.20      End Date: 2015.04.20      Last Calib.: 2015.04.20  
Start Time: 04:50:08      End Time: 10:23:47      Time On Btm:  
Time Off Btm:

TEST COMMENT: 15-IFP-strg bl in 2 min  
30-ISIP-1" bl bk  
15-FFP-strg bl in 4 min  
30-FSIP-1" bl bk



**PRESSURE SUMMARY**

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

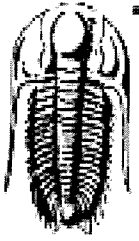
**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	275' GIP	0.00
90.00	SOCW 2%O98%W	0.44
340.00	GWCO 45%G10%W45%O	4.50
248.00	SMCOG 20%G4%M5%W71%O	3.48
100.00	CO	1.40

\* 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

**24-16s-25w Ness,KS**

4924 SE 84th ST  
New ton KS 67114-8827

**Nuttle Trust #1**

Job Ticket: 60579

**DST#: 2**

ATTN: Nick.Gerstner

Test Start: 2015.04.20 @ 04:50:46

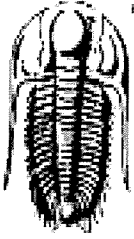
## Tool Information

Drill Pipe:	Length: 4418.00 ft	Diameter: 3.80 inches	Volume: 61.97 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 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:	75000.00 lb
			<u>Total Volume: 62.56 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	4545.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	4573.00 ft				
Interval between Packers:	28.00 ft				
Tool Length:	154.00 ft				
Number of Packers:	4	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4517.00	
Shut In Tool	5.00			4522.00	
Hydraulic tool	5.00			4527.00	
Jars	5.00			4532.00	
Safety Joint	3.00			4535.00	
Packer	5.00			4540.00	29.00 Bottom Of Top Packer
Packer	5.00			4545.00	
Stubb	1.00			4546.00	
Perforations	5.00			4551.00	
Recorder	0.00	8018	Inside	4551.00	
Recorder	0.00	8700	Outside	4551.00	
Perforations	18.00			4569.00	
Blank Off Sub	1.00			4570.00	
Blank Spacing	3.00			4573.00	
Packer	5.00			4578.00	28.00 Tool Interval
Packer	5.00			4583.00	
Stubb	1.00			4584.00	
Perforations	1.00			4585.00	
Recorder	0.00	8374	Below	4585.00	
Blank Spacing	64.00			4649.00	
Perforations	18.00			4667.00	
Bullnose	3.00			4670.00	97.00 Bottom Packers & Anchor

**Total Tool Length: 154.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc

**24-16s-25w Ness,KS**

4924 SE 84th ST  
New ton KS 67114-8827

**Nuttle Trust #1**

Job Ticket: 60579

**DST#: 2**

ATTN: Nick.Gerstner

Test Start: 2015.04.20 @ 04:50:46

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	275' GIP	0.000
90.00	SOCW 2%O98%W	0.443
340.00	GWCO 45%G10%W45%O	4.496
248.00	SMCGO 20%G4%M5%W71%O	3.479
100.00	CO	1.403

Total Length: 778.00 ft      Total Volume: 9.821 bbl

Num Fluid Samples: 0

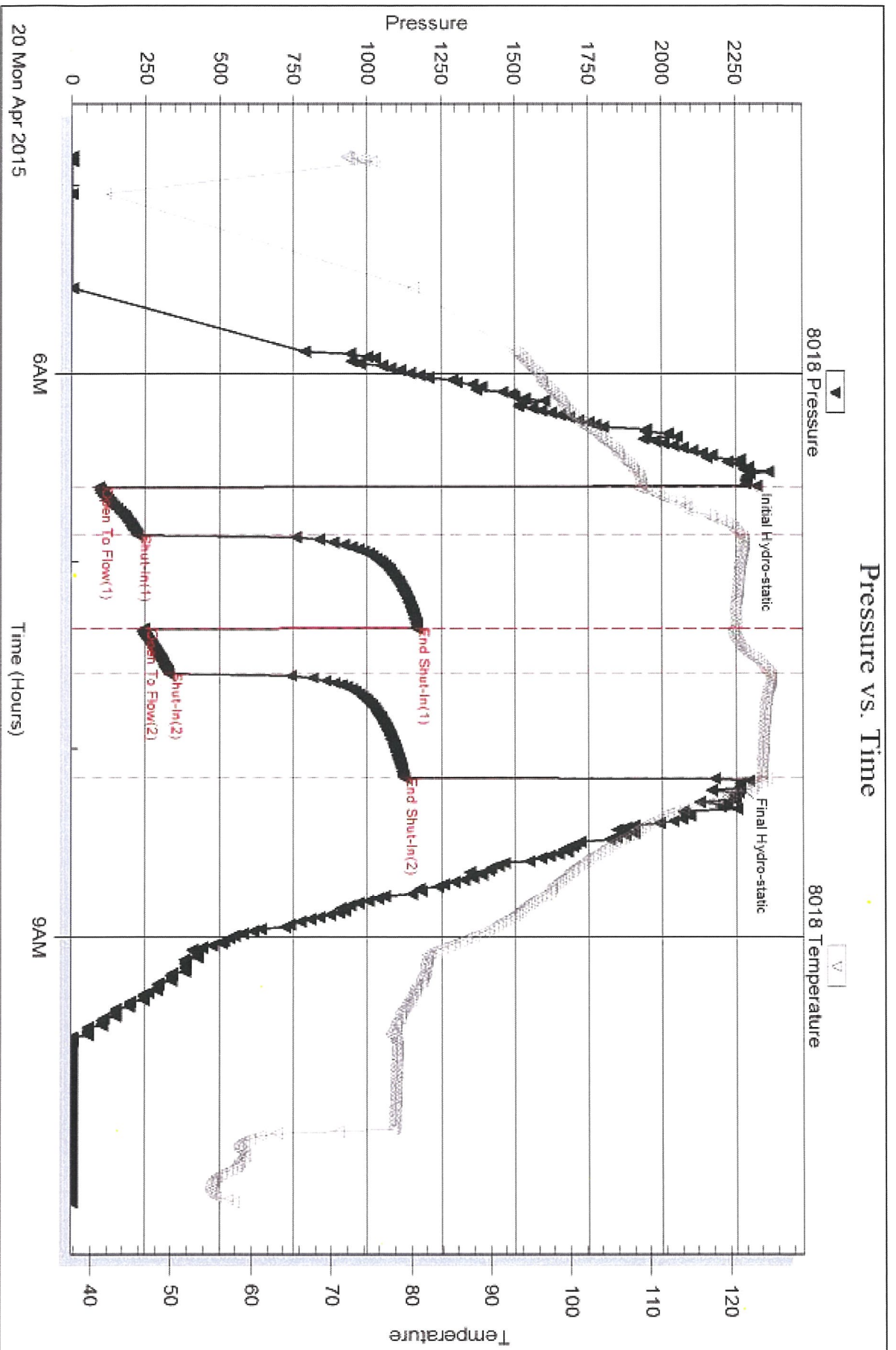
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .24 @ 65F



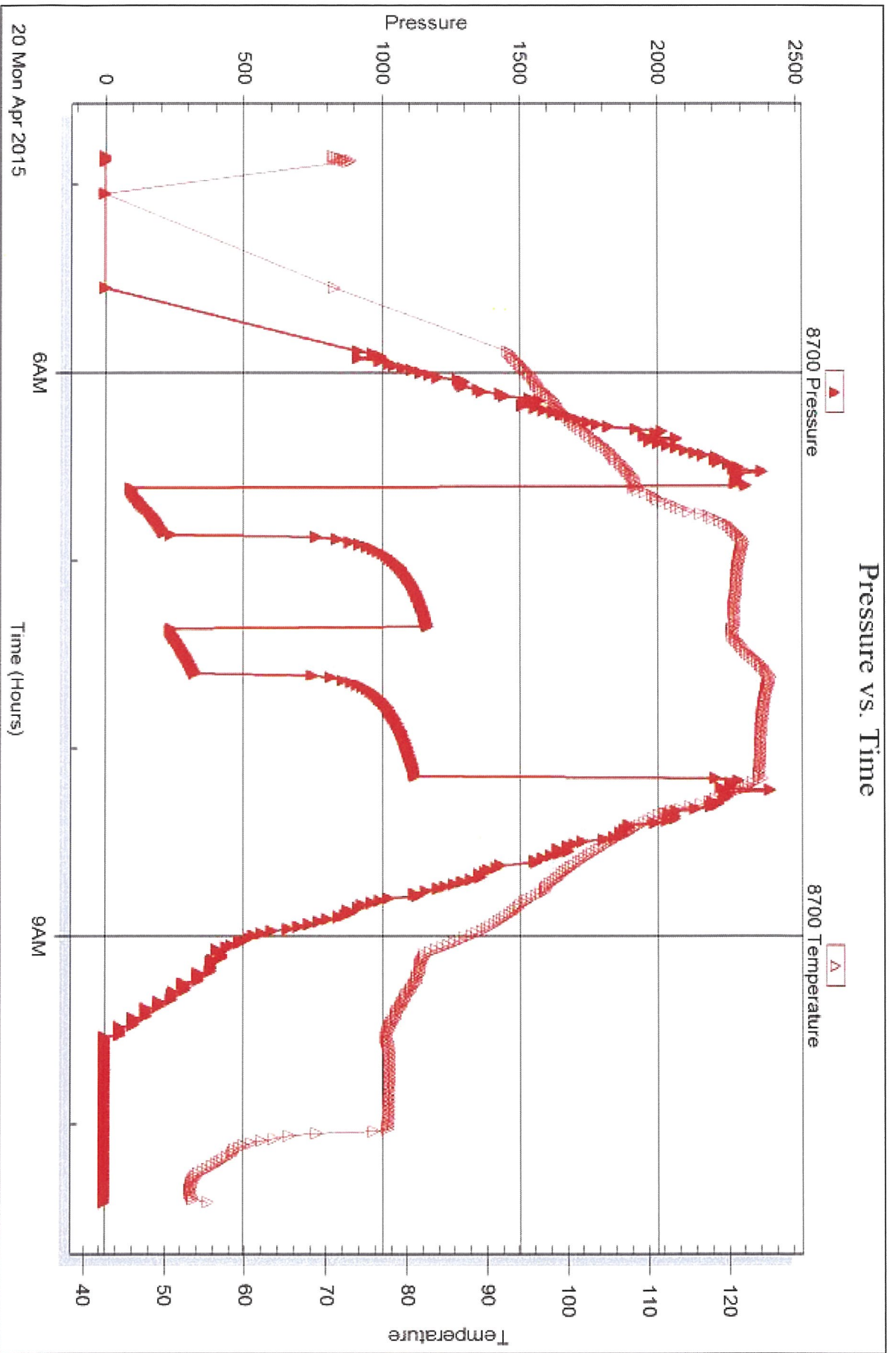
Serial #: 8700

Outside

Palomino Petroleum Inc

Nuttle Trust #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 60579

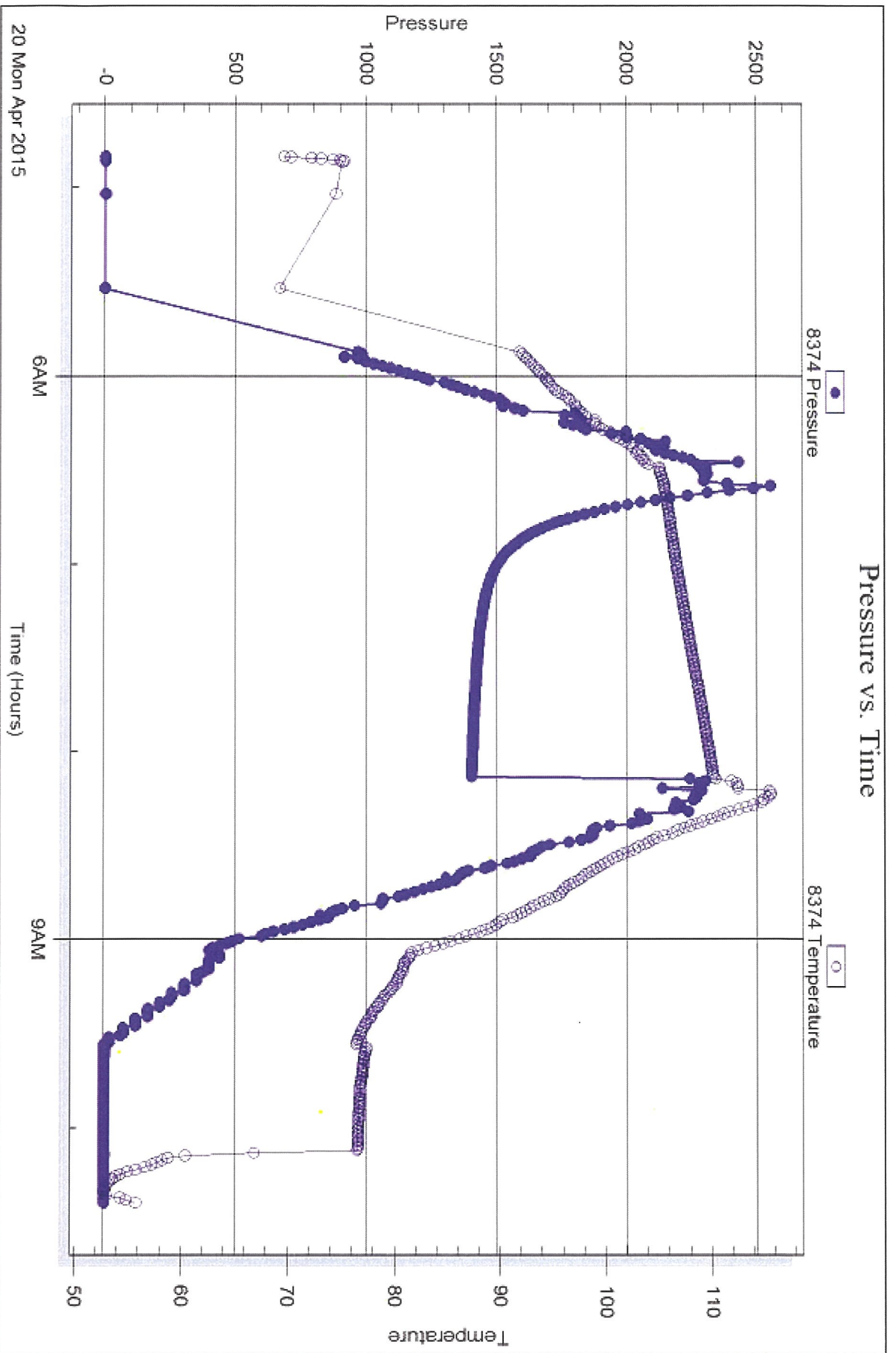
Printed: 2015.04.20 @ 16:28:47

Serial #: 8374

Below (Str #) Rathlepho Petroleum Inc

Nuttle Trust #1

DST Test Number: 2

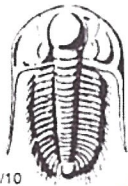


Tribble Testing, Inc

Ref. No: 60579

Printed: 2015 04 20 @ 16:28:47





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60578

4/10

Well Name & No. NUTTLE TRUST #1 Test No. 1 Date 4-19-15  
 Company PALOMINO Petroleum, Inc Elevation 2552 KB 2547 GL  
 Address 4924 SE 84TH ST, Newton, KS 67114-8827  
 Co. Rep / Geo. Ryan Seib Rig WW Rig 10  
 Location: Sec. 24 Twp. 16<sup>s</sup> Rge. 25<sup>w</sup> Co. Ness State Ks

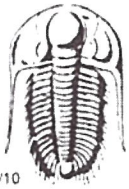
Interval Tested 4483-4545 Zone Tested MISS  
 Anchor Length 62 Drill Pipe Run 4361 Mud Wt. 9.4  
 Top Packer Depth 4478 Drill Collars Run 120 Vis 50  
 Bottom Packer Depth 4483 Wt. Pipe Run — WL 10.4  
 Total Depth 4545 Chlorides 3700 ppm System LCM TR.  
 Blow Description IJP - WEAK TO A GOOD BLOW 1/2" TO 6" BLOW  
ISIP - NO BLOW  
FFP - WEAK TO A GOOD BLOW 1/4" TO 6 1/2" BLOW  
FSIP - SURFACE BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>230</u>	<u>GTP</u>				
<u>85</u>	<u>CO</u>				
<u>190</u>	<u>MGO</u>	<u>20</u>	<u>65</u>		<u>15</u>
<u>60</u>	<u>OGCWM</u>	<u>10</u>	<u>10</u>	<u>40</u>	<u>40</u>

Rec Total 340 BHT 120 Gravity 37 API RW .25 @ 60 °F Chlorides 32000 ppm  
 Test 1150 T-On Location 0050  
 Jars 250 T-Started 0420  
 Safety Joint 75 T-Open 0610  
 Circ Sub \_\_\_\_\_ T-Pulled 0910  
 Hourly Standby \_\_\_\_\_ T-Out 1125  
 Mileage 115 RT 115 Comments \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1590  
 Final Flow 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1590

Approved By \_\_\_\_\_

Our Representative RAY SCHWAGER THANK YOU



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60579

Well Name & No. NUTTLE TRUST #1 Test No. 2 Date 4-20-15  
 Company PALOMINO Petroleum Inc Elevation 2552 KB 2547 GL  
 Address 4924 SE 84<sup>TH</sup> ST. Newton, Ko 67114-8827  
 Co. Rep / Geo. Ryan Seib Rig WW rig 10  
 Location: Sec. 24 Twp. 16<sup>S</sup> Rge. 25<sup>W</sup> Co. Ness State Ko

Interval Tested 4545-4573 Zone Tested MISS  
 Anchor Length 28 Drill Pipe Run 4418 Mud Wt. 9.4  
 Top Packer Depth 4545-4540 Drill Collars Run 120 Vis 56  
 Bottom Packer Depth 4573-4578 Wt. Pipe Run - WL 8.8  
 Total Depth 4666 Chlorides 3600 ppm System LCM TR

Blow Description IFP - STRONG BLOW IN 2min  
ISIP - 1" Blow BACK  
FFP - STRONG BLOW IN 4min  
FSIP - 1" Blow BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>275</u>	<u>GIP</u>				
<u>100</u>	<u>CO</u>				
<u>248</u>	<u>SMGO</u>	<u>20</u>	<u>71</u>	<u>5</u>	<u>4</u>
<u>340</u>	<u>GWCO</u>	<u>45</u>	<u>45</u>	<u>10</u>	
<u>90</u>	<u>SOCW</u>		<u>2</u>	<u>98</u>	

Rec Total 778 BHT 1 Gravity 37 API RW 124 @ 65 °F Chlorides 30000 ppm

(A) Initial Hydrostatic 2285  Test 1150 T-On Location 0145  
 (B) First Initial Flow 92  Jars 250 T-Started 0450  
 (C) First Final Flow 221  Safety Joint 75 T-Open 0635  
 (D) Initial Shut-In 1164  Circ Sub \_\_\_\_\_ T-Pulled 0805  
 (E) Second Initial Flow 244  Hourly Standby \_\_\_\_\_ T-Out 1024  
 (F) Second Final Flow 329  Mileage 115 Comments \_\_\_\_\_  
 (G) Final Shut-In 1122  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2264  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_

Initial Open 15  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 15  Day Standby \_\_\_\_\_ Total 2440  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2440

Approved By \_\_\_\_\_ Our Representative RAY SCHWAGER Thank you

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