



RECEIVED  
NOV 29 2013

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 139949

Invoice Date: Nov 23, 2013

Page: 1

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

Bill To:
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	61064	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Nov 23, 2013	12/23/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Kraus-Hinz #1		
150.00	CEMENT MATERIALS	Class A Common	17.90	2,685.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
400.00	CEMENT MATERIALS	Chloride	0.80	320.00
162.09	CEMENT SERVICE	Cubic Feet	2.48	401.98
125.80	CEMENT SERVICE	Ton Mileage	2.60	327.08
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
17.00	CEMENT SERVICE	Pump Truck Mileage	7.70	130.90
17.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	74.80
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		

Subtotal	5,522.21
Sales Tax	189.12
Total Invoice Amount	5,711.33
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,711.33</b>

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

\$ 1,104.44

ONLY IF PAID ON OR BEFORE  
Dec 18, 2013

# ALLIED OIL & GAS SERVICES, LLC 061064

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Great Bend, KS

DATE <u>11-23-17</u>	SEC. <u>29</u>	TWP. <u>16S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>Kross - #12</u>	WELL # <u>1</u>	LOCATION <u>Ransom Wyo MAJ 2015</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>Elmer</u>				

CONTRACTOR Mokreek Drilling #108

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. \_\_\_\_\_

CASING SIZE 5 5/8 DEPTH 215.28

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 1 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 156

PERFS. \_\_\_\_\_

DISPLACEMENT 12.75 bbls Freshwater

EQUIPMENT

PUMP TRUCK CEMENTER Dustin Chambers

# 966 HELPER Mike Scobbin

BULK TRUCK

# 609-10 DRIVER Tommy Tijerina

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Break circulation with big mud  
pump 5 bbls Freshwater ahead  
mix 150 gals cement  
Displace 12.75 bbls Freshwater + slurry  
Cement and circulation  
plus 120 min 10:00 pm  
plus 120 min

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 150 SKS Class A

3400 24 gal

COMMON	<u>150</u>	@	<u>17.90</u>	<u>2685.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>400</u>	@	<u>.80</u>	<u>320.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>162.09</u>	@	<u>2.48</u>	<u>401.98</u>
MILEAGE	<u>7.47</u>	@	<u>2.60</u>	<u>327.08</u>
TOTAL				<u>3804.26</u>

**SERVICE**

DEPTH OF JOB	<u>215.28</u>		
PUMP TRUCK CHARGE			<u>1512.25</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>HVM 17</u>	@	<u>7.70</u> <u>130.90</u>
MANIFOLD		@	
	<u>LVM 17</u>	@	<u>4.40</u> <u>74.80</u>
		@	

TOTAL 1717.95

CHARGE TO: Palomares Petroleum

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL _____		

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 5527.21

DISCOUNT - 1104.44 IF PAID IN 30 DAYS

PRINTED NAME X Jeremy Suckey

SIGNATURE X \_\_\_\_\_

Thank You!!

\$4,417.77

RECEIVED

DEC 16 2012



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 140165

Invoice Date: Dec 1, 2013

Page: 1

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

<b>Bill To:</b>
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	61069	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Dec 1, 2013	12/31/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Kraus-Hiaz #1		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
120.00	CEMENT MATERIALS	Pozmix	9.35	1,122.00
10.00	CEMENT MATERIALS	Gel	23.40	234.00
75.00	CEMENT MATERIALS	Flo Seal	2.97	222.75
322.19	CEMENT SERVICE	Cubic Feet Charge	2.48	799.03
188.30	CEMENT SERVICE	Ton Mileage Charge	2.60	489.58
1.00	CEMENT SERVICE	Rotary Plug	1,512.25	1,512.25
14.00	CEMENT SERVICE	Pump Truck Mileage	7.70	107.80
14.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	61.60
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		

Subtotal	7,771.01
Sales Tax	477.92
Total Invoice Amount	8,248.93
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,248.93</b>

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

\$ 1,554.20

ONLY IF PAID ON OR BEFORE  
Dec 26, 2013

# ALLIED OIL & GAS SERVICES, LLC 061069

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Garrett Bend, KS

DATE <u>12-1-13</u>	SEC. <u>29</u>	TWP. <u>16S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 AM</u>	JOB FINISH <u>10:00 AM</u>
LEASE <u>Krons - H1A2</u>	WELL # <u>1</u>		LOCATION <u>Ransom Wyo Riv Sinto</u>			COUNTY <u>Wess</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Maverick Drilling & Log OWNER \_\_\_\_\_

TYPE OF JOB Rotary Plug

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_ CEMENT \_\_\_\_\_

CASING SIZE 5 1/2 DEPTH \_\_\_\_\_ AMOUNT ORDERED 300 lbs 60# Class A

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_ 40# 202 44 gal 14.8 lbs

DRILL PIPE 4 1/2 DEPTH 1950

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_ COMMON 180 @ 17.90 3,222.00

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_ POZMIX 120 @ 9.35 1,122.00

CEMENT LEFT IN CSG. A11 GEL 10 @ 23.40 234.00

PERFS. \_\_\_\_\_ CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

DISPLACEMENT Freshwater / Native mud ASC \_\_\_\_\_ @ \_\_\_\_\_

EQUIPMENT 310 Seal 75 @ 2.97 222.75

PUMP TRUCK CEMENTER Dustin Chambers

# 3945 HELPER Mike Scottorn

BULK TRUCK \_\_\_\_\_ @ \_\_\_\_\_

# 571-112 DRIVER Alex Ochum

BULK TRUCK \_\_\_\_\_ @ \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING <u>322.</u>	@ <u>2.48</u>	<u>799.95</u>
MILBAGE <u>13.45 x 14 x</u>	@ <u>2.60</u>	<u>489.58</u>
		<b>TOTAL <u>6,089.08</u></b>

**REMARKS:**

- Fill hole with rig mud
- 1. 1900 - 50 lbs
- 2. 1150 - 50 lbs
- 3. 650 - 50 lbs
- 4. 250 - 50 lbs
- 5. 60 - 20 lbs
- 6. R4 - 20 lbs
- 7. MH - 20 lbs plug down 9:00 AM

**SERVICE**

DEPTH OF JOB _____	PUMP TRUCK CHARGE <u>1512.25</u>	
EXTRA FOOTAGE _____ @ _____	MILEAGE <u>Hum 14</u> @ <u>7.70</u>	<u>107.80</u>
MANIFOLD _____ @ _____	<u>Hum 14</u> @ <u>4.40</u>	<u>61.60</u>
		<b>TOTAL <u>1,681.65</u></b>

CHARGE TO: Palatin Petroleum

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

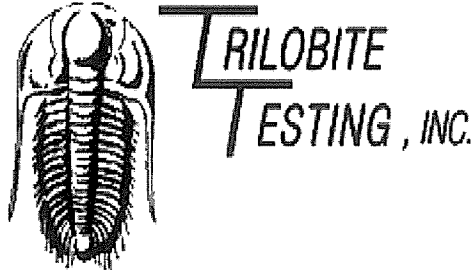
_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
		<b>TOTAL _____</b>

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____	TOTAL CHARGES <u>7,771.03</u>	
	<u>1,554.20</u>	
DISCOUNT _____	<u>6,216.82</u>	<b>IF PAID IN 30 DAYS</b>

PRINTED NAME X [Signature]

SIGNATURE X Jeremy Spudis  
Thank you!



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Ryan Seib

### **Kraus-Hinz #1**

#### **29-16s-24w Ness,KS**

Start Date: 2013.11.29 @ 05:35:01

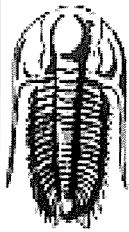
End Date: 2013.11.29 @ 14:04:30

Job Ticket #: 54346                      DST #: 1

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

Printed: 2013.12.03 @ 15:03:26

Palomino Petroleum  
29-16s-24w Ness,KS  
Kraus-Hinz #1  
DST # 1  
Miss  
2013.11.29



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Ryan Seib

**29-16s-24w Ness,KS**  
**Kraus-Hinz #1**  
Job Ticket: 54346      **DST#: 1**  
Test Start: 2013.11.29 @ 05:35:01

## GENERAL INFORMATION:

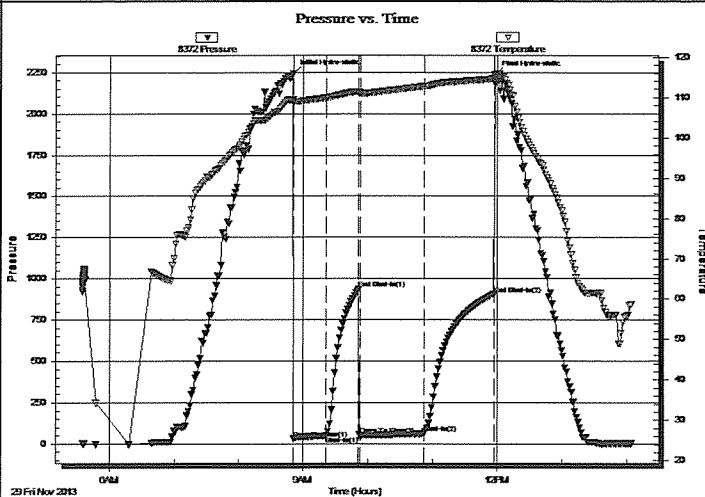
Formation: **Miss**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 08:51:00  
Time Test Ended: 14:04:30  
Interval: **4452.00 ft (KB) To 4542.00 ft (KB) (TVD)**  
Total Depth: 4542.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Andy Carreira  
Unit No: 68  
Reference Elevations: 2539.00 ft (KB)  
2531.00 ft (CF)  
KB to GR/CF: 8.00 ft

## Serial #: 8372

Inside

Press@RunDepth: 61.70 psig @ 4459.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.11.29      End Date: 2013.11.29      Last Calib.: 2013.11.29  
Start Time: 05:35:01      End Time: 14:04:30      Time On Btm: 2013.11.29 @ 08:50:30  
Time Off Btm: 2013.11.29 @ 11:57:30

TEST COMMENT: IF:(30min) 3" blow in 12 min. 5" in 27 min. Built to 5 1/4"  
IS:(30min) No Return  
FF:(60min) 3" blow in 13 min. 5" in 32 min. Built to 7"  
FS:(60min) No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2243.63	109.51	Initial Hydro-static
1	31.11	108.77	Open To Flow (1)
31	47.98	109.89	Shut-In(1)
61	936.44	111.42	End Shut-In(1)
63	50.36	111.15	Open To Flow (2)
122	61.70	112.74	Shut-In(2)
186	905.32	114.60	End Shut-In(2)
187	2236.11	115.01	Final Hydro-static

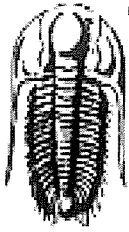
## Recovery

Length (ft)	Description	Volume (bbl)
95.00	HOCGM g=5% o=35% m=60%	1.06
5.00	CGO g=10% o=90%	0.07
0.00	GIP = 100 ft	0.00

## 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

**29-16s-24w Ness,KS**  
**Kraus-Hinz #1**  
Job Ticket: 54346      **DST#: 1**  
Test Start: 2013.11.29 @ 05:35:01

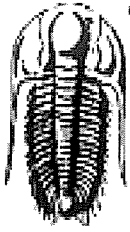
**Tool Information**

Drill Pipe:	Length: 4414.00 ft	Diameter: 3.80 inches	Volume: 61.92 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4452.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	118.00 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			4425.00	
Shut In Tool	5.00			4430.00	
Hydraulic tool	5.00			4435.00	
Jars	5.00			4440.00	
Safety Joint	3.00			4443.00	
Packer	5.00			4448.00	28.00      Bottom Of Top Packer
Packer	4.00			4452.00	
Stubb	1.00			4453.00	
Perforations	5.00			4458.00	
Change Over Sub	1.00			4459.00	
Recorder	0.00	8372	Inside	4459.00	
Recorder	0.00	8321	Outside	4459.00	
Drill Pipe	63.00			4522.00	
Change Over Sub	1.00			4523.00	
Perforations	16.00			4539.00	
Bullnose	3.00			4542.00	90.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>118.00</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Ryan Seib

**29-16s-24w Ness,KS**  
**Kraus-Hinz #1**  
Job Ticket: 54346      **DST#: 1**  
Test Start: 2013.11.29 @ 05:35:01

## 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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	HOCGM g=5% o=35% m=60%	1.059
5.00	CGO g=10% o=90%	0.070
0.00	GIP = 100 ft	0.000

Total Length: 100.00 ft      Total Volume: 1.129 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 8372

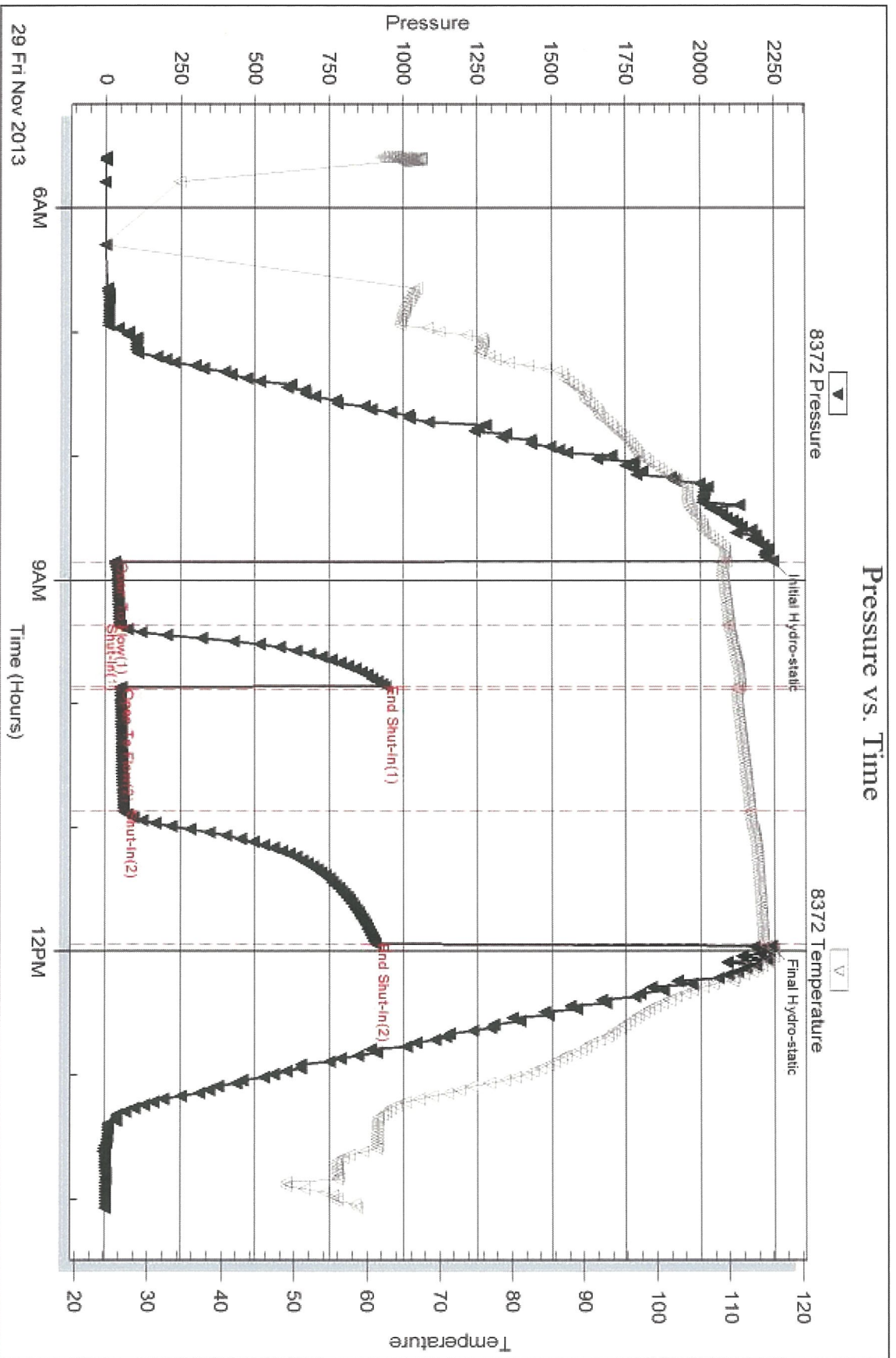
Inside

Palominu Petroleum

Kraus-Hinz #1

DST Test Number: 1

### Pressure vs. Time



Tribble Testing, Inc

Ref. No: 54346

Printed: 2013.12.03 @ 15:03:29

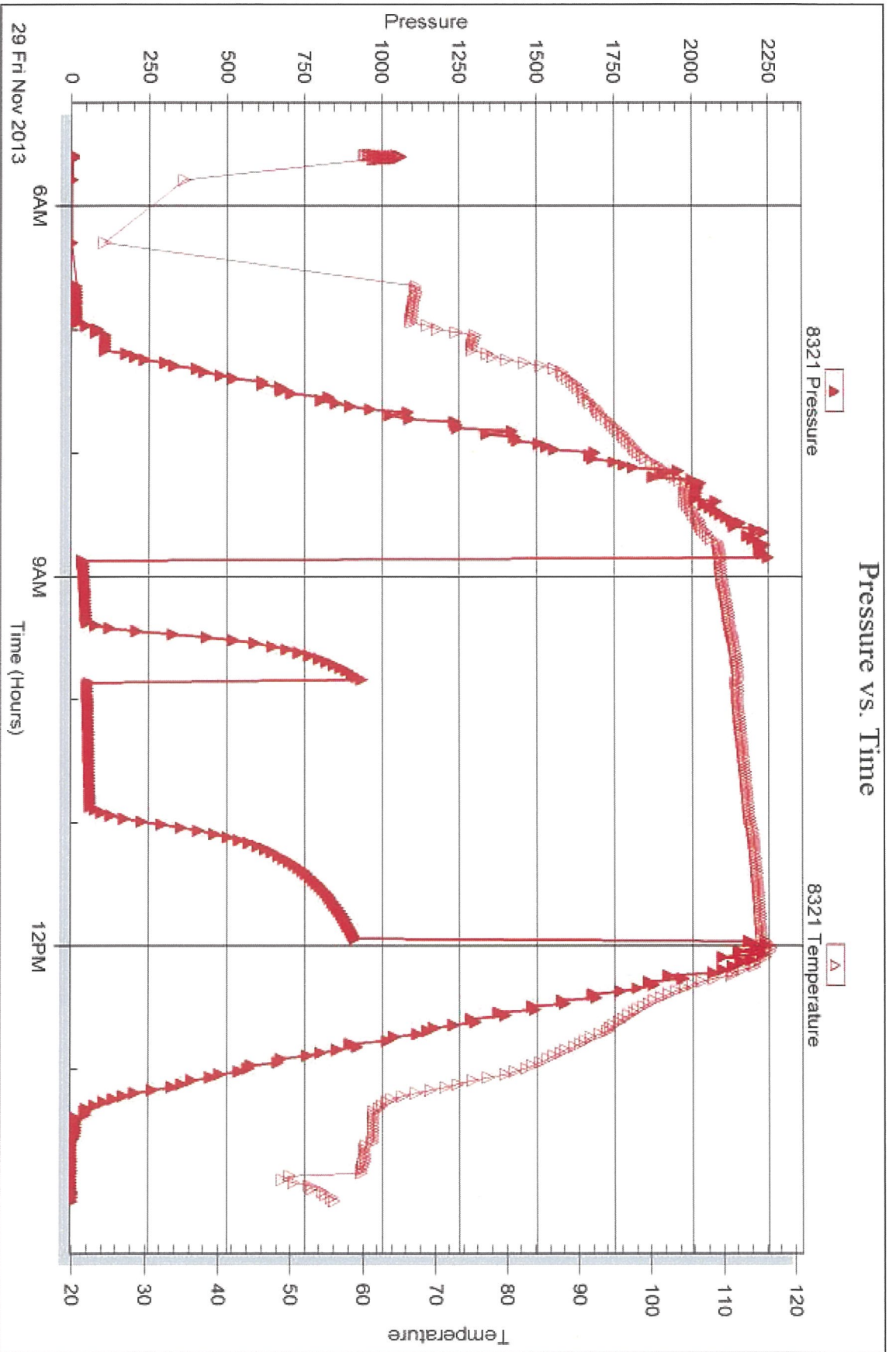
Serial #: 8321

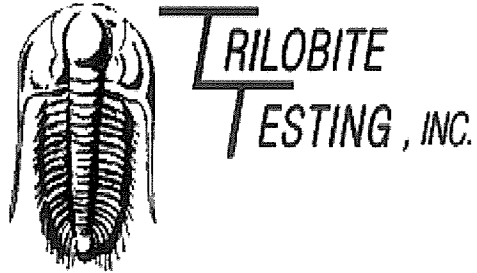
Outside

Palomino Petroleum

Kraus-Hinz #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Ryan Seib

### **Kraus-Hinz #1**

#### **29-16s-24w Ness,KS**

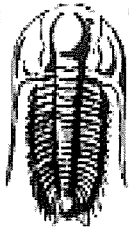
Start Date: 2013.11.29 @ 21:08:01

End Date: 2013.11.30 @ 05:11:00

Job Ticket #: 54347                      DST #: 2

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

Printed: 2013.12.03 @ 15:01:47



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**29-16s-24w Ness,KS**  
**Kraus-Hinz #1**  
 Job Ticket: 54347      **DST#: 2**  
 Test Start: 2013.11.29 @ 21:08:01

## GENERAL INFORMATION:

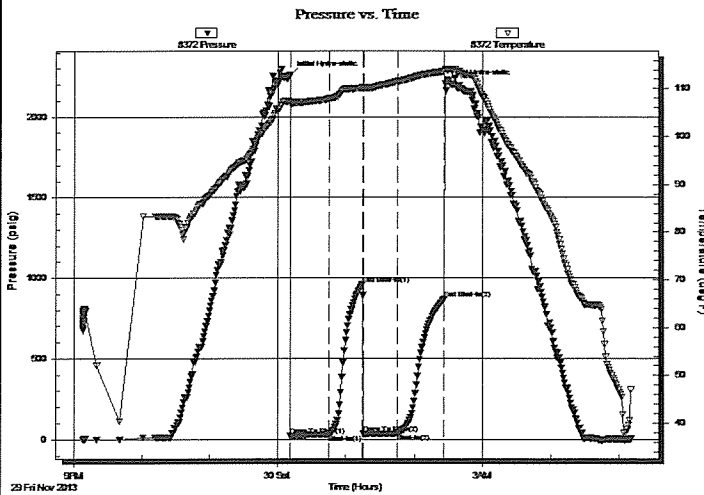
Formation: **Miss**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 00:11:30  
 Time Test Ended: 05:11:00  
 Interval: **4541.00 ft (KB) To 4552.00 ft (KB) (TVD)**  
 Total Depth: 4552.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 68  
 Reference Elevations: 2539.00 ft (KB)  
 2531.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8372

Inside

Press@RunDepth: 35.90 psig @ 4542.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.11.29      End Date: 2013.11.30      Last Calib.: 2013.11.30  
 Start Time: 21:08:01      End Time: 05:11:00      Time On Btm: 2013.11.30 @ 00:11:00  
 Time Off Btm: 2013.11.30 @ 02:26:30

TEST COMMENT: IF:(30min) 1" blow in 7 min. Built to 1 1/2"  
 IS:(30min) No Return  
 FF:(30min) Blow built to 1/2"  
 FS:(30min) No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.68	107.30	Initial Hydro-static
1	21.25	106.78	Open To Flow (1)
34	31.30	107.94	Shut-In(1)
63	959.71	110.16	End Shut-In(1)
64	32.87	109.97	Open To Flow (2)
94	35.90	111.53	Shut-In(2)
135	868.61	113.66	End Shut-In(2)
136	2203.34	114.14	Final Hydro-static

## Recovery

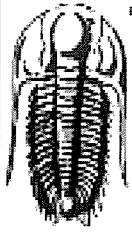
Length (ft)	Description	Volume (bbl)
8.00	OCM o=20% m=80%	0.04
2.00	CO o=100%	0.01

\* 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

**29-16s-24w Ness,KS**  
**Kraus-Hinz #1**  
Job Ticket: 54347      **DST#: 2**  
Test Start: 2013.11.29 @ 21:08:01

### Tool Information

Drill Pipe:	Length: 4507.00 ft	Diameter: 3.80 inches	Volume: 63.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 63.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4541.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			4514.00	
Shut In Tool	5.00			4519.00	
Hydraulic tool	5.00			4524.00	
Jars	5.00			4529.00	
Safety Joint	3.00			4532.00	
Packer	5.00			4537.00	28.00      Bottom Of Top Packer
Packer	4.00			4541.00	
Stubb	1.00			4542.00	
Recorder	0.00	8372	Inside	4542.00	
Recorder	0.00	8321	Outside	4542.00	
Perforations	7.00			4549.00	
Bullnose	3.00			4552.00	11.00      Bottom Packers & Anchor

**Total Tool Length: 39.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Ryan Seib

**29-16s-24w Ness,KS**  
**Kraus-Hinz #1**  
Job Ticket: 54347      **DST#: 2**  
Test Start: 2013.11.29 @ 21:08:01

## 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: bbl		
Water Loss: 6.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	OCM $\alpha=20\%$ $m=80\%$	0.039
2.00	CO $\alpha=100\%$	0.010

Total Length: 10.00 ft      Total Volume: 0.049 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



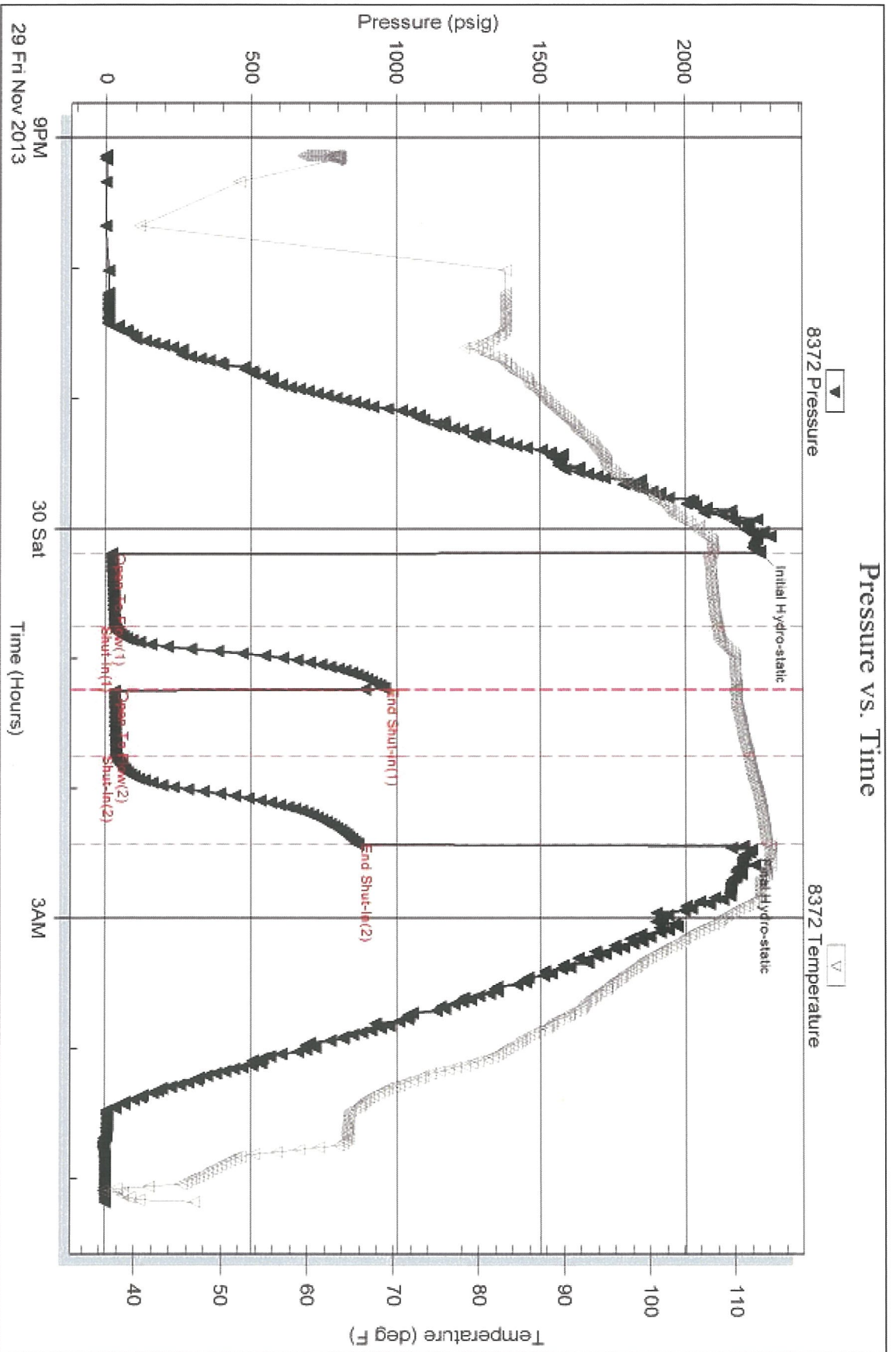
Serial #: 8372

Inside

Palomino Petroleum

Kraus-Hnz #1

DST Test Number: 2



9PM  
29 Fri Nov 2013

30 Sat

3AM

Tribble Testing, Inc

Ref. No: 54347

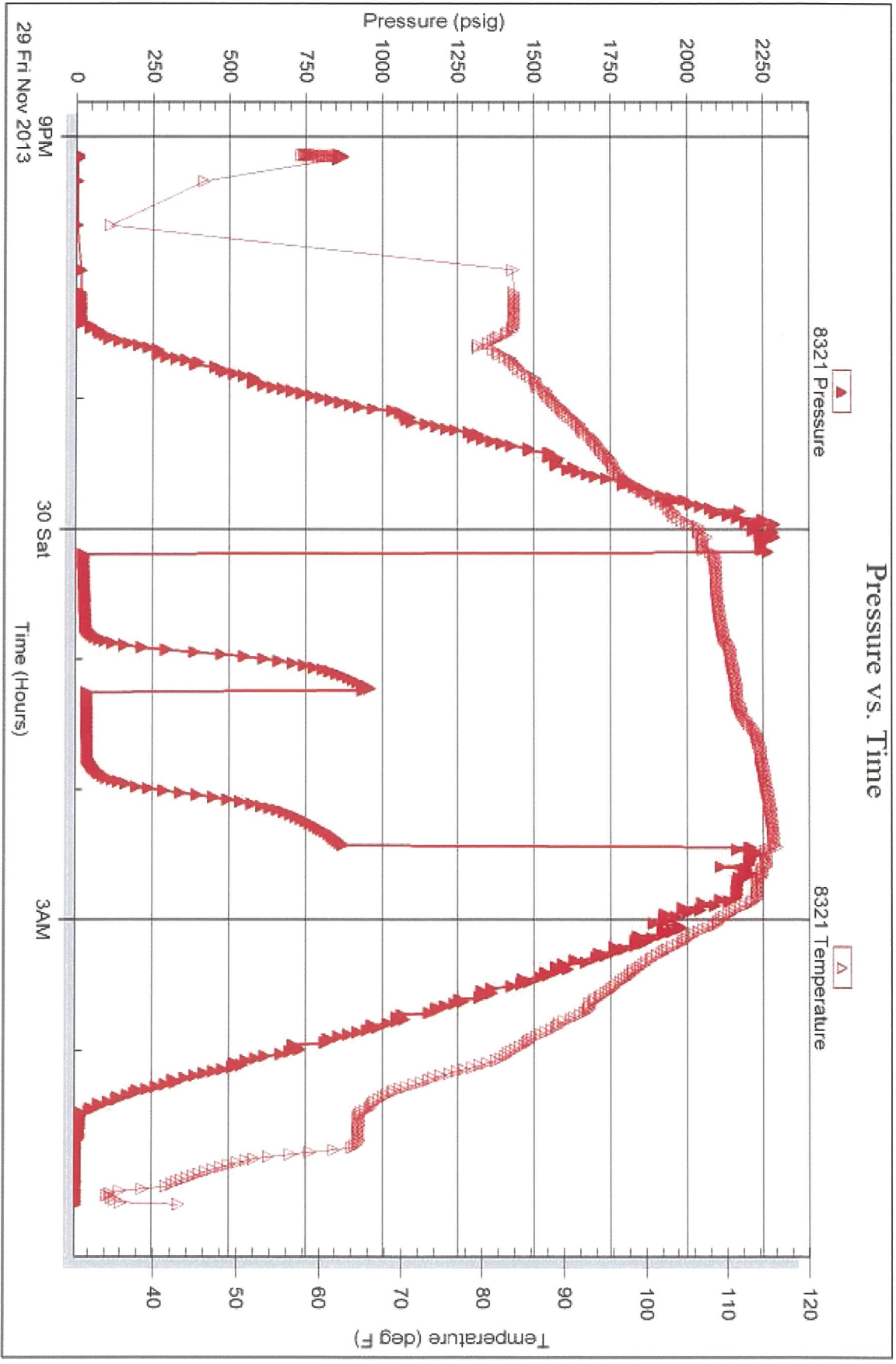
Printed: 2013.12.03 @ 15:01:49

Serial #: 8321

Outside Palomino Petroleum

Kraus-Hinz #1

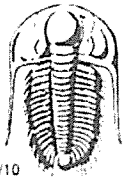
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 54347

Printed: 2013, 12:03 @ 15:01:50



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54346

4/10

Well Name & No. Kaus-Hinz #1 Test No. 1 Date 11-29-13  
 Company PALOMINO Petroleum Elevation 2539 KB 2531 GL  
 Address 4924 SE 84th St. Newton Ks. 67114+8827  
 Co. Rep / Geo. RYAN Seib Rig Maverick #108  
 Location: Sec. 29 Twp. 16S Rge. 24W Co. NESS State Ks

Interval Tested 4452 - 4542 Zone Tested MISS  
 Anchor Length 90' Drill Pipe Run 4414 Mud Wt. 9.3  
 Top Packer Depth 4437 Drill Collars Run 30 Vis 58  
 Bottom Packer Depth 4452 Wt. Pipe Run — WL 7.2  
 Total Depth 4542 Chlorides 5400 ppm System LCM 2#s

Blow Description IF: 3" blow in 12min. 5" in 27min. Built to 5 1/4"  
ISI: NO RETURN  
FP: 3" blow in 13min. 5" in 32min. Built to 7"  
FSI: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>CGO</u>	<u>10</u>	<u>90</u>		
<u>95</u>	<u>HOCGM</u>	<u>5</u>	<u>35</u>		<u>60</u>
	<u>GIP=100'</u>				

Rec Total 100' BHT — Gravity 38 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2243  Test 1250 T-On Location 03:06  
 (B) First Initial Flow 31  Jars 250 T-Started 05:35  
 (C) First Final Flow 47  Safety Joint 75 T-Open 08:52  
 (D) Initial Shut-In 936  Circ Sub — T-Pulled 11:52  
 (E) Second Initial Flow 50  Hourly Standby — T-Out 14:05  
 (F) Second Final Flow 61  Mileage 142RT 116rt 179.80  
 (G) Final Shut-In 905  Sampler —  
 (H) Final Hydrostatic 2236  Straddle —

Initial Open 30  Shale Packer —  Ruined Shale Packer —  
 Initial Shut-In 30  Extra Packer —  Ruined Packer —  
 Final Flow 60  Extra Recorder —  Extra Copies —  
 Final Shut-In 60  Day Standby — Sub Total 0  
 Total 1754.80  
 MP/DST Disc't —

Approved By — Our Representative *Randy Cox*  
 Sub Total 1754.80

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.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54347

Well Name & No. KRAUS - HINZ #1 Test No. 2 Date 11-29-13  
 Company Palomino Petroleum Elevation 2539 KB 2531 GL  
 Address 4924 SE 84th St Newton Ks. 67114 + 8827  
 Co. Rep / Geo. RYAN Seib Rig MAVERICK #108  
 Location: Sec. 29 Twp. 16S Rge. 24W Co. Ness State Ks

Interval Tested 4541-4552 Zone Tested MISS  
 Anchor Length 11' Drill Pipe Run 4507 Mud Wt. 9.45  
 Top Packer Depth 4536 Drill Collars Run 30. Vis 52  
 Bottom Packer Depth 4541 Wt. Pipe Run 0 WL 6.8  
 Total Depth 4552 Chlorides 3400 ppm System LCM 1.5 #s

Blow Description FP: 1" blow in 7 min. Built to 1 1/2"  
BSF: NO RETURN  
FP: ~~1" blow~~ Blow built to ~~1 1/2"~~ 1/2"  
FST: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>OH CO</u>	<u>100</u>			
<u>8</u>	<u>OCM</u>	<u>20</u>			<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 113° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2261  Test 1250 T-On Location 19:50  
 (B) First Initial Flow 21  Jars 250 T-Started 21:08  
 (C) First Final Flow 31  Safety Joint 75 T-Open 00:12  
 (D) Initial Shut-In 959  Circ Sub \_\_\_\_\_ T-Pulled 02:12  
 (E) Second Initial Flow 32  Hourly Standby \_\_\_\_\_ T-Out 05:12  
 (F) Second Final Flow 35  Mileage 142RT 179.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 868  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2203  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1754.80

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

Approved By \_\_\_\_\_ Our Representative [Signature]

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