

DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Nicholas Gerstner

#1 RNGG Partnership

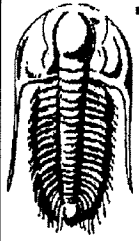
27-16s-24w Ness KS

Start Date: 2012.07.29 @ 13:50:00

End Date: 2012.07.29 @ 21:39:30

Job Ticket #: 49379 DST #: 1

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

27-16s-24w Ness KS

4924 SE 84th St.
New ton KS 67114

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Job Ticket: 49379

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Test Start: 2012.07.29 @ 13:50:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:40:00

Time Test Ended: 21:39:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Troy Leiker

Unit No: #42

Interval: **4420.00 ft (KB) To 4483.00 ft (KB) (TVD)**

Reference Elevations: 2512.00 ft (KB)

Total Depth: 4483.00 ft (KB) (TVD)

2504.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8700

Outside

Press@RunDepth: 37.77 psig @ 4421.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.29

End Date: 2012.07.29

Last Calib.: 2012.07.29

Start Time: 13:50:05

End Time: 21:39:29

Time On Btm: 2012.07.29 @ 16:39:30

Time Off Btm: 2012.07.29 @ 18:40:00

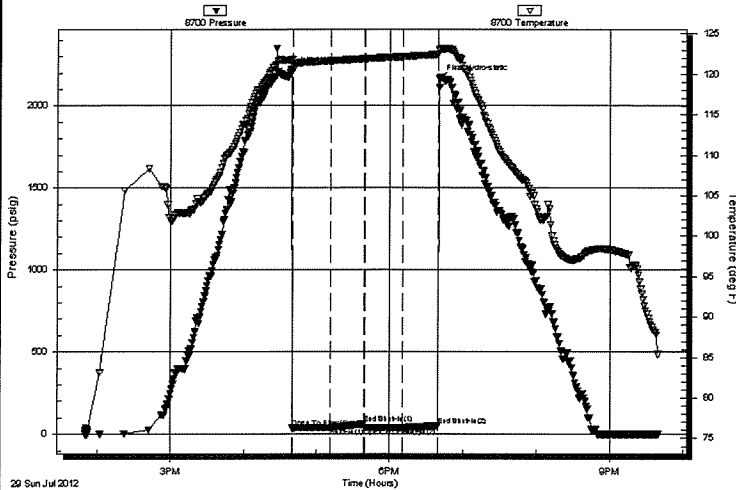
TEST COMMENT: 30- IF Very Weak Blow on top of Bkt. Died in 5 min.

30- IS No Blow

30- FF No Blow

30- FS No Blow

Pressure vs. Time



PRESSURE SUMMARY

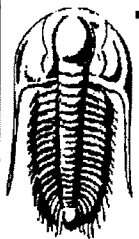
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.15	121.78	Initial Hydro-static
1	35.46	121.02	Open To Flow (1)
32	37.24	121.64	Shut-In(1)
60	61.25	121.90	End Shut-In(1)
60	37.71	121.90	Open To Flow (2)
91	37.77	122.17	Shut-In(2)
120	48.26	122.43	End Shut-In(2)
121	2163.50	123.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%m	0.02

Gas Rates

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



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TOOL DIAGRAM

Palomino Petroleum

27-16s-24w Ness KS

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New ton KS 67114

#1 RGG Partnership

Job Ticket: 49379

DST#: 1

ATTN: Nicholas Gerstner

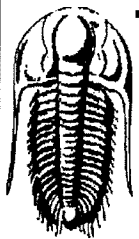
Test Start: 2012.07.29 @ 13:50:00

Tool Information

Drill Pipe:	Length: 4220.00 ft	Diameter: 3.80 inches	Volume: 59.20 bbl	Tool Weight: 2500.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 60.11 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4420.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4393.00	
Shut In Tool	5.00			4398.00	
Hydraulic tool	5.00			4403.00	
Jars	5.00			4408.00	
Safety Joint	2.00			4410.00	
Packer	5.00			4415.00	28.00 Bottom Of Top Packer
Packer	5.00			4420.00	
Stubb	1.00			4421.00	
Recorder	0.00	6625	Inside	4421.00	
Recorder	0.00	8700	Outside	4421.00	
Perforations	2.00			4423.00	
Change Over Sub	1.00			4424.00	
Drill Pipe	32.00			4456.00	
Change Over Sub	1.00			4457.00	
Perforations	24.00			4481.00	
Bullnose	3.00			4484.00	64.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



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FLUID SUMMARY

Palomino Petroleum

27-16s-24w Ness KS

4924 SE 84th St.
New ton KS 67114

#1 RNGG Partnership

Job Ticket: 49379

DST#: 1

ATTN: Nicholas Gerstner

Test Start: 2012.07.29 @ 13:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

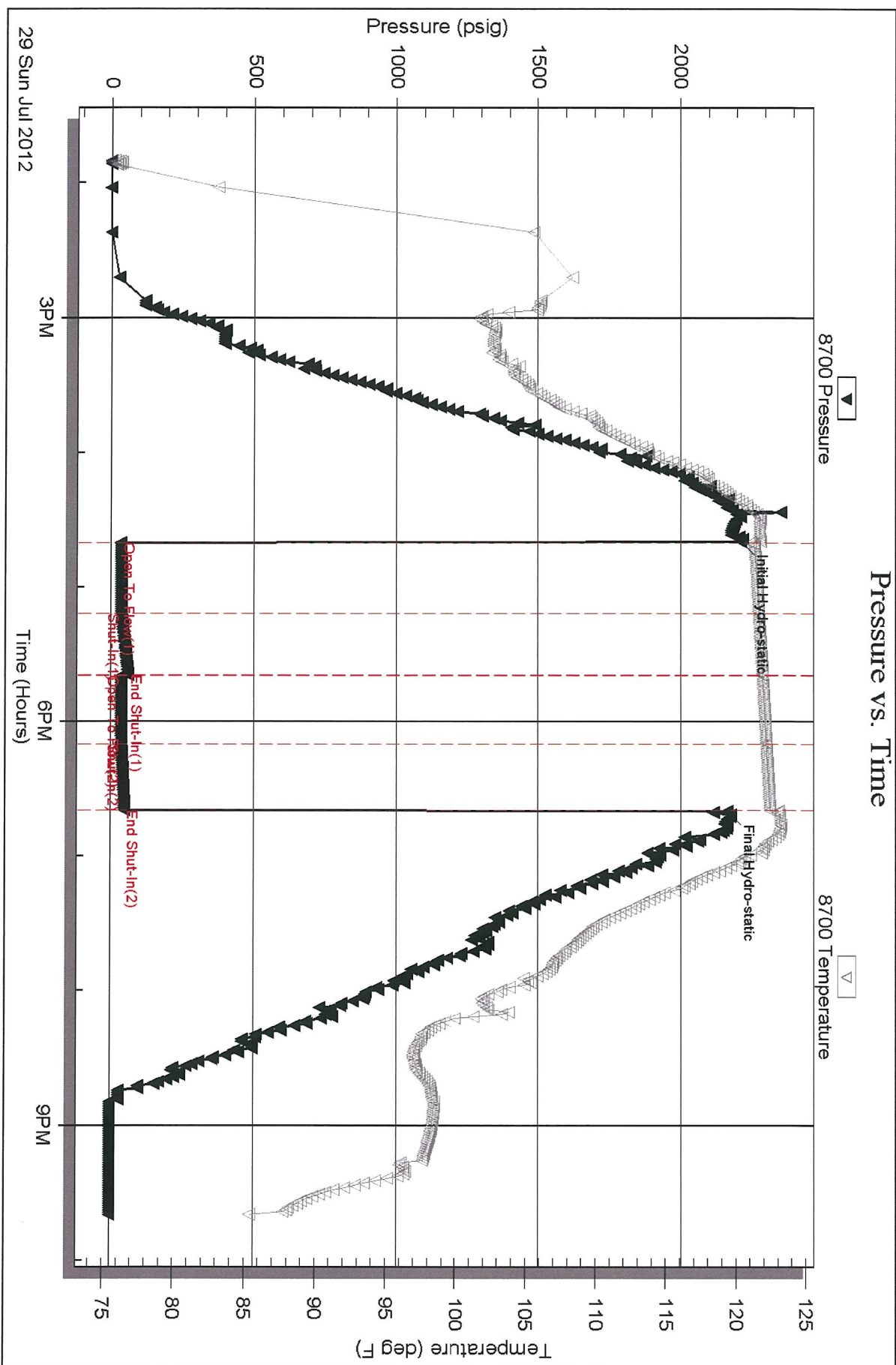
Recovery Comments:

Serial #: 8700

Outside Palomino Petroleum

#1 R/NGG Partnership

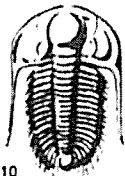
DST Test Number: 1



Tribolite Testing, Inc

Ref. No: 49379

Printed: 2012.08.07 @ 15:19:26



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49379

4/10

Well Name & No. #1 RNGG Partnership Test No. 1 Date 7-29-12
 Company Palomino Petroleum Elevation 2512 KB 2504 GL
 Address 4924 SE 84th St. Newton, KS. 67114
 Co. Rep / Geo. Nicholas Gerstner Rig Fossil Delq Rig #2
 Location: Sec. 27 Twp. 16 S Rge. 24 W Co. Ness State KS.

Interval Tested 4420 - 4483 Zone Tested Cherokee
 Anchor Length 63' Drill Pipe Run 4220 Mud Wt. 9.5
 Top Packer Depth 4415 Drill Collars Run 186 Vis 51
 Bottom Packer Depth 4420 Wt. Pipe Run 0 WL 8.8
 Total Depth 4483 Chlorides 4,000 ppm System LCM 0
 Blow Description 1st Flow - Very Weak Blow on top of BKT. Died in 5 min.
2nd Flow - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud 100%om</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	Feet of	%gas	%oil	%water	%mud
Rec Total <u>5'</u>	BHT	Gravity	API RW	@	° F Chlorides ppm

(A) Initial Hydrostatic 2211 Test 1250 T-On Location 9:00 Am
 (B) First Initial Flow 35 Jars 250 T-Started 1:50 pm
 (C) First Final Flow 37 Safety Joint 75 T-Open 4:40 pm
 (D) Initial Shut-In 61 Circ Sub T-Pulled 6:40 pm
 (E) Second Initial Flow 37 Hourly Standby T-Out _____
 (F) Second Final Flow 37 Mileage 140 217 RT Hays Comments _____
 (G) Final Shut-In 48 Sampler _____
 (H) Final Hydrostatic 2163 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1792

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

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1792
 MP/DST Disc't _____

Approved By _____ Our Representative Troy Leiker

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