

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
FINV
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

RECEIVED

AUG 02 2014 MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 269802

Invoice Date: 07/30/2014 Terms: 10/10/10,n/30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
() -

BBR #1
46612
8-18-25
7-19-14
KS

Description	Hours	Unit Price	Total
P & A NEW WELL	1.00	1395.00	1395.00
EQUIPMENT MILEAGE (ONE WAY)	35.00	5.25	183.75

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	230.00	15.8600	3647.80
1118B	PREMIUM GEL / BENTONITE	791.00	.2700	213.57
1107	FLO-SEAL (25#)	58.00	2.9700	172.26

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-218.46
9996-130	CEMENT MATERIAL DISCOUNT	-403.37

Description	Hours	Unit Price	Total
529 MIN. BULK DELIVERY	1.00	605.85	605.85

Amount Due 6466.29 if paid after 08/09/2014

Parts:	4033.63	Freight:	.00	Tax:	223.25	AR	5819.65
Labor:	.00	Misc:	.00	Total:	5819.65		
Sublt:	-621.83	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

269802

TICKET NUMBER 46612
LOCATION Oakley, Ks-
FOREMAN Daven

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/19/14	6285	BBR #1	8	18	25	Ness
CUSTOMER Palomino Petroleum			Lairal WTO Rd # 4 N Winto			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			731	Cory		
STATE			529	Jeff		
ZIP CODE						

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4550 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2, 1770 TUBING _____ OTHER _____
 SLURRY WEIGHT 12.5 To B SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____
 REMARKS: Safety Meeting Rig up on WW-8 Plug as Ordered

1770' - 50 SKS
990' - 80 SKS
240' - 50 SKS 230 SKS 6/40 4% Gel 1/4 Floseal
60' - 20 SKS
Plug Rathole - 30 SKS

Thanks Daven & Crew

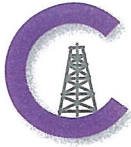
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54054	1	PUMP CHARGE	\$1395.00	\$1395.00
5406	35	MILEAGE	\$5.25	\$183.75
5407	9.89	Ton Mileage Delivery	\$61.75	\$605.85
1131	230 SKS	6/40 Poz mix	\$15.86	\$3647.80
118B	791 #	Bentonite	\$0.27	\$213.57
1107	58 #	Floseal	\$2.97	\$172.26
			SubTotal	\$6218.23
			Less 10%	\$621.82
			SubTotal	\$5596.41
			SALES TAX	223.25
			ESTIMATED TOTAL	\$5819.66

completed

Ravin 3737

AUTHORIZATION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
FINV
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

RECEIVED

JUL 21 2014

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 269411

Invoice Date: 07/18/2014 Terms: 10/10/10,n/30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
() -

BBR #1
46771
8-18-25
7-11-14
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	18.5500	3060.75
1102	CALCIUM CHLORIDE (50#)	465.00	.9400	437.10
1118B	PREMIUM GEL / BENTONITE	310.00	.2700	83.70

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-180.87
9996-130	CEMENT MATERIAL DISCOUNT	-358.16

Description	Hours	Unit Price	Total
397 TON MILEAGE DELIVERY	1.00	474.95	474.95
399 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
399 EQUIPMENT MILEAGE (ONE WAY)	35.00	5.25	183.75

Amount Due 5610.52 if paid after 07/28/2014

Parts:	3581.55	Freight:	.00	Tax:	198.24	AR	5049.46
Labor:	.00	Misc:	.00	Total:	5049.46		
Sublt:	-539.03	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

269411

TICKET NUMBER 46771

LOCATION Oakley, KS

FOREMAN Dane Retzlaff

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	KS COUNTY
7-11-14	6285	BRR #1	8	18	25	Ness
CUSTOMER		Laird RD #1 North 4 miles West into	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			399	Mike		
CITY			397	Coody		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 210 CASING SIZE & WEIGHT 8 3/8 34 LBS
 CASING DEPTH 410 DRILL PIPE 4.5 TUBING NA OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20
 DISPLACEMENT 12.4 DISPLACEMENT PSI 200 MIX PSI 100 RATE mix at 6085 Displace at 7085

REMARKS: Safety meeting. Rig up. Break circulation with rig pump. Mix 165 sks of Class A cement, 3% calcium chloride 2% bentonite. Displace 12.4 BBLs of water. Shut in. Wash pump & lines. Rig down. Cement did circulate.

Thanks Dane + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401s	1	PUMP CHARGE		
5406	35	MILEAGE	1150.00	1150.00 ✓
5407A	7.75	Ton Mileage Delivery	5.25	183.75 ✓
			1.75	474.95 ✓
1104s	165 sks	Class A cement	18.55	3060.75 ✓
1102	465	Calcium chloride	.94	437.10 ✓
1118B	310	Bentonite	.27	83.70 ✓
			Sub	5390.25 ✓
			10%	539.03 ✓
			Total	4851.22 ✓

completed

Ravin 3737

AUTHORIZATION

[Signature]

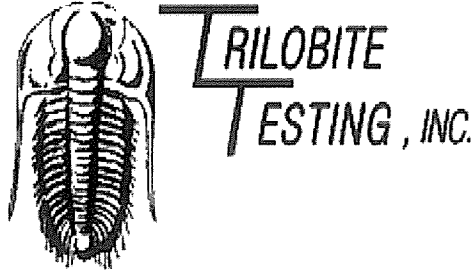
TITLE

DATE

SALES TAX
ESTIMATED
TOTAL

198.24 ✓
5049.46 ✓

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

BBR #1

8-18s-25w Ness,KS

Start Date: 2014.07.16 @ 08:42:00

End Date: 2014.07.16 @ 15:15:30

Job Ticket #: 59129 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.21 @ 10:14:46

Palomino Petroleum

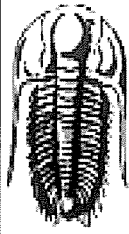
8-18s-25w Ness,KS

BBR #1

DST # 1

Marmaton

2014.07.16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

8-18s-25w Ness, KS
BBR #1
Job Ticket: 59129 **DST#: 1**
Test Start: 2014.07.16 @ 08:42:00

GENERAL INFORMATION:

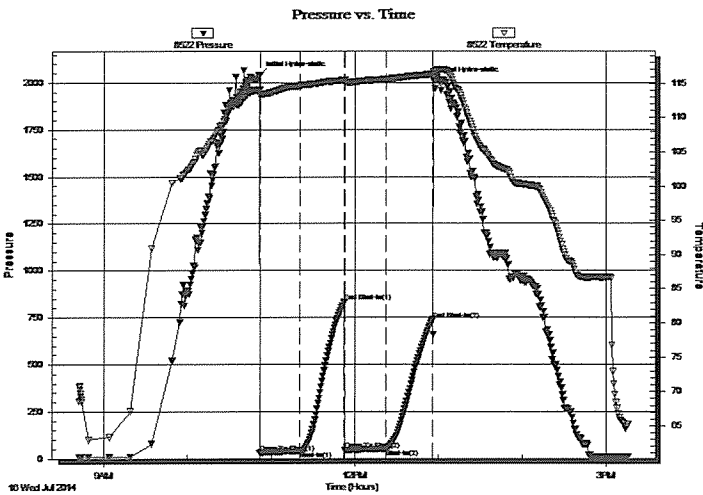
Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:51:45
Time Test Ended: 15:15:30
Interval: **4127.00 ft (KB) To 4270.00 ft (KB) (TVD)**
Total Depth: 4270.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 69
Reference Elevations: 2507.00 ft (KB)
2502.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8522

Outside

Press@RunDepth: 51.86 psig @ 4128.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.07.16 End Date: 2014.07.16 Last Calib.: 2014.07.16
Start Time: 08:42:05 End Time: 15:15:29 Time On Btm: 2014.07.16 @ 10:51:30
Time Off Btm: 2014.07.16 @ 12:56:30

TEST COMMENT: 30: 1" blow .
30: No return.
30: Surface blow .
30: No return.



PRESSURE SUMMARY

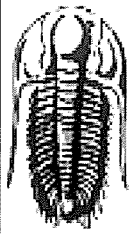
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2039.77	114.06	Initial Hydro-static
1	29.98	113.20	Open To Flow (1)
29	41.91	114.66	Shut-In(1)
62	833.64	115.46	End Shut-In(1)
62	45.07	115.12	Open To Flow (2)
91	51.86	115.62	Shut-In(2)
125	737.92	116.35	End Shut-In(2)
125	2010.84	116.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100m (oil specs in tool)	0.25

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

8-18s-25w Ness,KS

4924 SE 84th St.
New ton KS 67114

BBR #1

Job Ticket: 59129

DST#: 1

ATTN: Ryan Seib

Test Start: 2014.07.16 @ 08:42:00

Tool Information

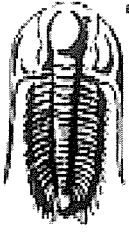
Drill Pipe:	Length: 4004.00 ft	Diameter: 3.80 inches	Volume: 56.17 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 56.77 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4127.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	143.00 ft			
Tool Length:	170.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4101.00	
Shut In Tool	5.00			4106.00	
Hydraulic tool	5.00			4111.00	
Jars	5.00			4116.00	
Safety Joint	2.00			4118.00	
Packer	5.00			4123.00	27.00 Bottom Of Top Packer
Packer	4.00			4127.00	
Stubb	1.00			4128.00	
Recorder	0.00	8365	Inside	4128.00	
Recorder	0.00	8522	Outside	4128.00	
Perforations	10.00			4138.00	
Change Over Sub	1.00			4139.00	
Drill Pipe	127.00			4266.00	
Change Over Sub	1.00			4267.00	
Bullnose	3.00			4270.00	143.00 Bottom Packers & Anchor

Total Tool Length: 170.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

8-18s-25w Ness,KS

4924 SE 84th St.
New ton KS 67114

BBR #1

Job Ticket: 59129

DST#: 1

ATTN: Ryan Seib

Test Start: 2014.07.16 @ 08:42:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100m (oil specs in tool)	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

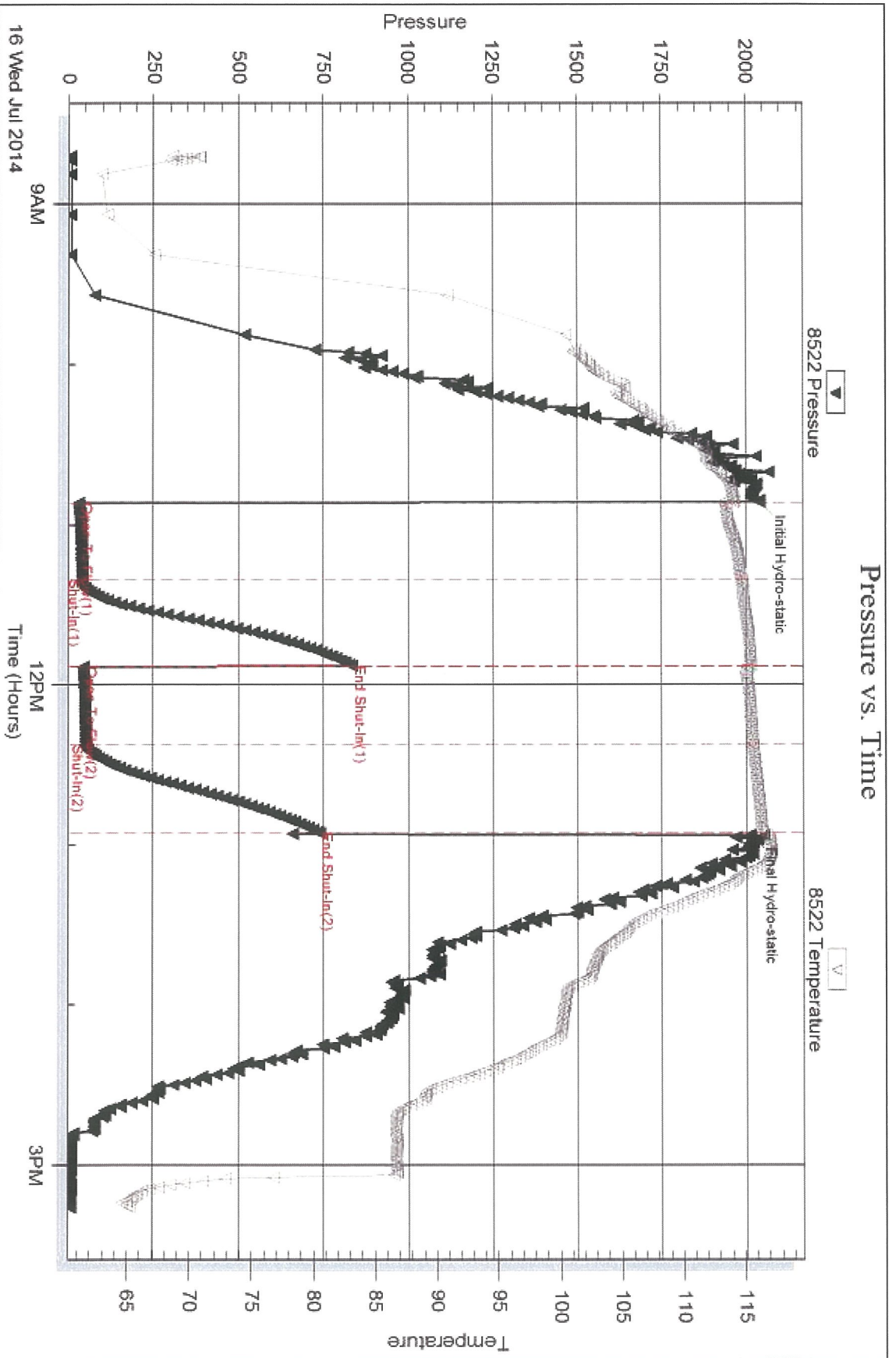
Serial #: 8522

Outside Palomino Petroleum

BBR #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 59129

Printed: 2014.07.21 @ 10:14:47

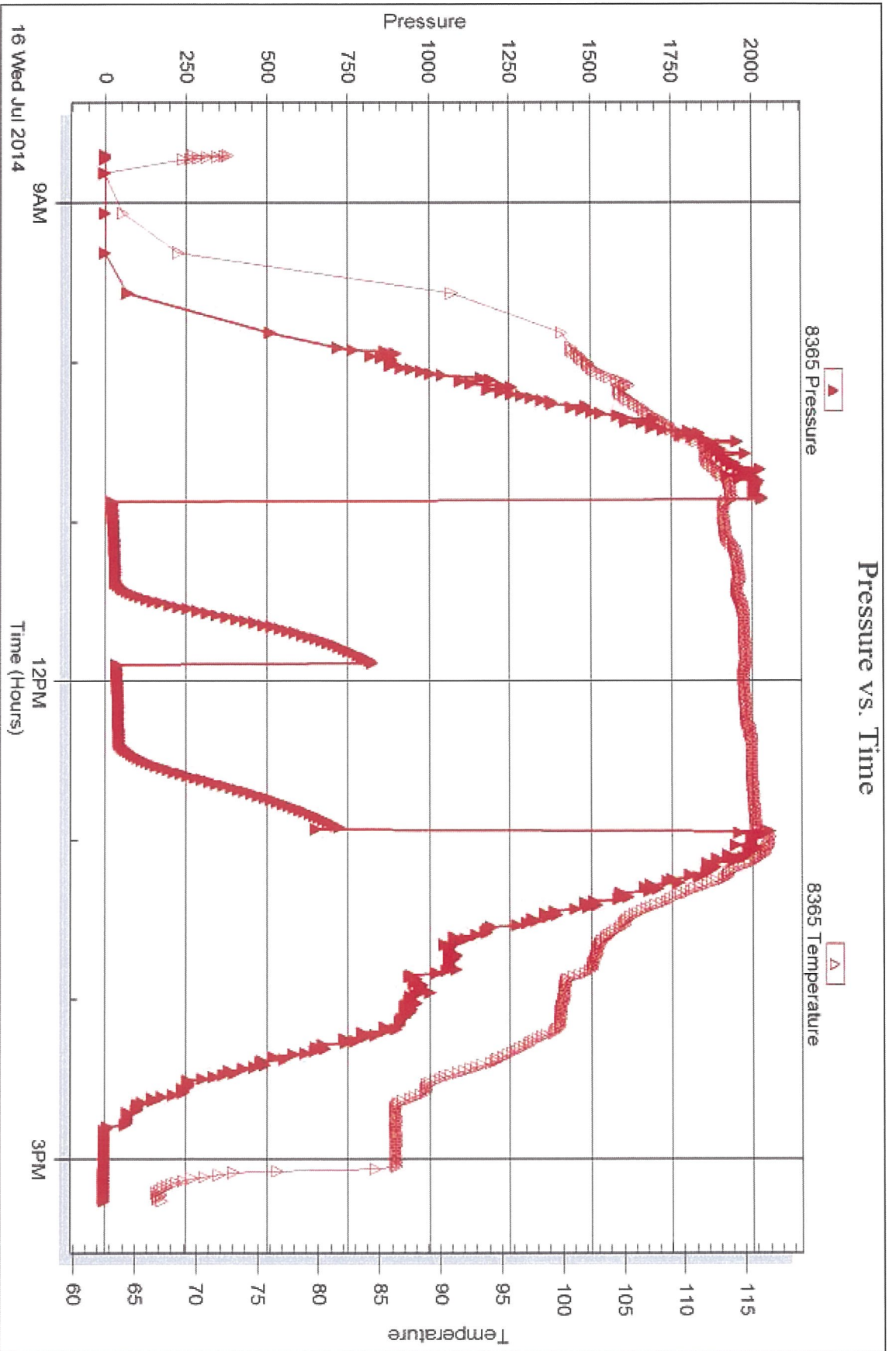
Serial #: 8365

Inside

Palomino Petroleum

BBR #1

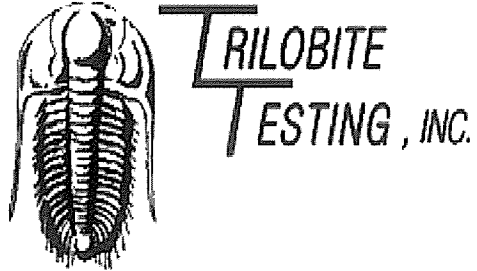
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 59129

Printed: 2014.07.21 @ 10:14:47



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

BBR #1

8-18s-25w Ness,KS

Start Date: 2014.07.17 @ 07:39:00

End Date: 2014.07.17 @ 13:32:15

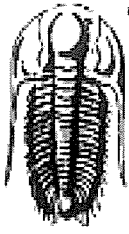
Job Ticket #: 59130 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.21 @ 10:14:23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

8-18s-25w Ness,KS
BBR #1
Job Ticket: 59130 **DST#: 2**
Test Start: 2014.07.17 @ 07:39:00

GENERAL INFORMATION:

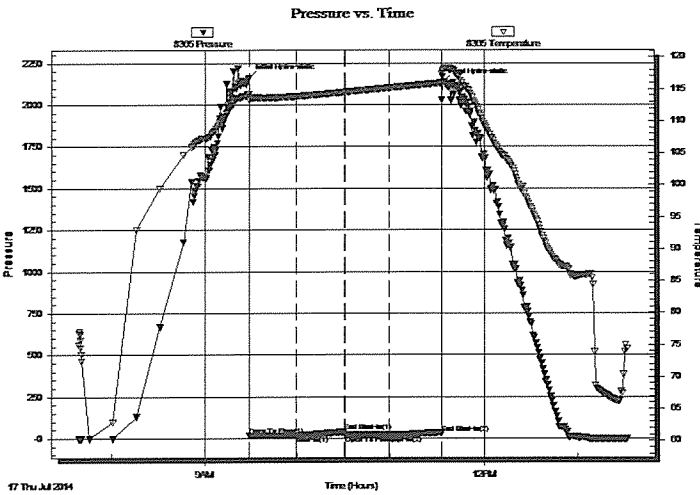
Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:29:00
Time Test Ended: 13:32:15
Interval: **4348.00 ft (KB) To 4437.00 ft (KB) (TVD)**
Total Depth: 4437.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 69
Reference Elevations: 2507.00 ft (KB)
2502.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 19.91 psig @ 4349.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.07.17 End Date: 2014.07.17 Last Calib.: 2014.07.17
Start Time: 07:39:05 End Time: 13:32:14 Time On Btm: 2014.07.17 @ 09:28:45
Time Off Btm: 2014.07.17 @ 11:33:15

TEST COMMENT: IF: Surface blow , died @ 20 min.
IS: No return.
FF: No blow .
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.09	114.19	Initial Hydro-static
1	17.23	113.33	Open To Flow (1)
31	18.85	113.86	Shut-In(1)
62	39.22	114.50	End Shut-In(1)
62	19.76	114.50	Open To Flow (2)
91	19.91	115.19	Shut-In(2)
124	31.63	115.93	End Shut-In(2)
125	2134.19	117.55	Final Hydro-static

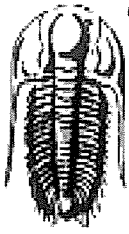
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m (oil spots)	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

8-18s-25w Ness,KS

4924 SE 84th St.
New ton KS 67114

BBR #1

Job Ticket: 59130

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.07.17 @ 07:39:00

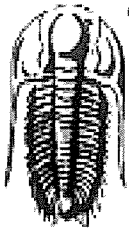
Tool Information

Drill Pipe:	Length: 4226.00 ft	Diameter: 3.80 inches	Volume: 59.28 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4348.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	116.00 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			4322.00	
Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Jars	5.00			4337.00	
Safety Joint	2.00			4339.00	
Packer	5.00			4344.00	27.00 Bottom Of Top Packer
Packer	4.00			4348.00	
Stubb	1.00			4349.00	
Recorder	0.00	8365	Inside	4349.00	
Recorder	0.00	8522	Outside	4349.00	
Perforations	20.00			4369.00	
Change Over Sub	1.00			4370.00	
Drill Pipe	63.00			4433.00	
Change Over Sub	1.00			4434.00	
Bullnose	3.00			4437.00	89.00 Bottom Packers & Anchor

Total Tool Length: 116.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

8-18s-25w Ness,KS

4924 SE 84th St.
New ton KS 67114

BBR #1

Job Ticket: 59130

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.07.17 @ 07:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m (oil spots)	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:

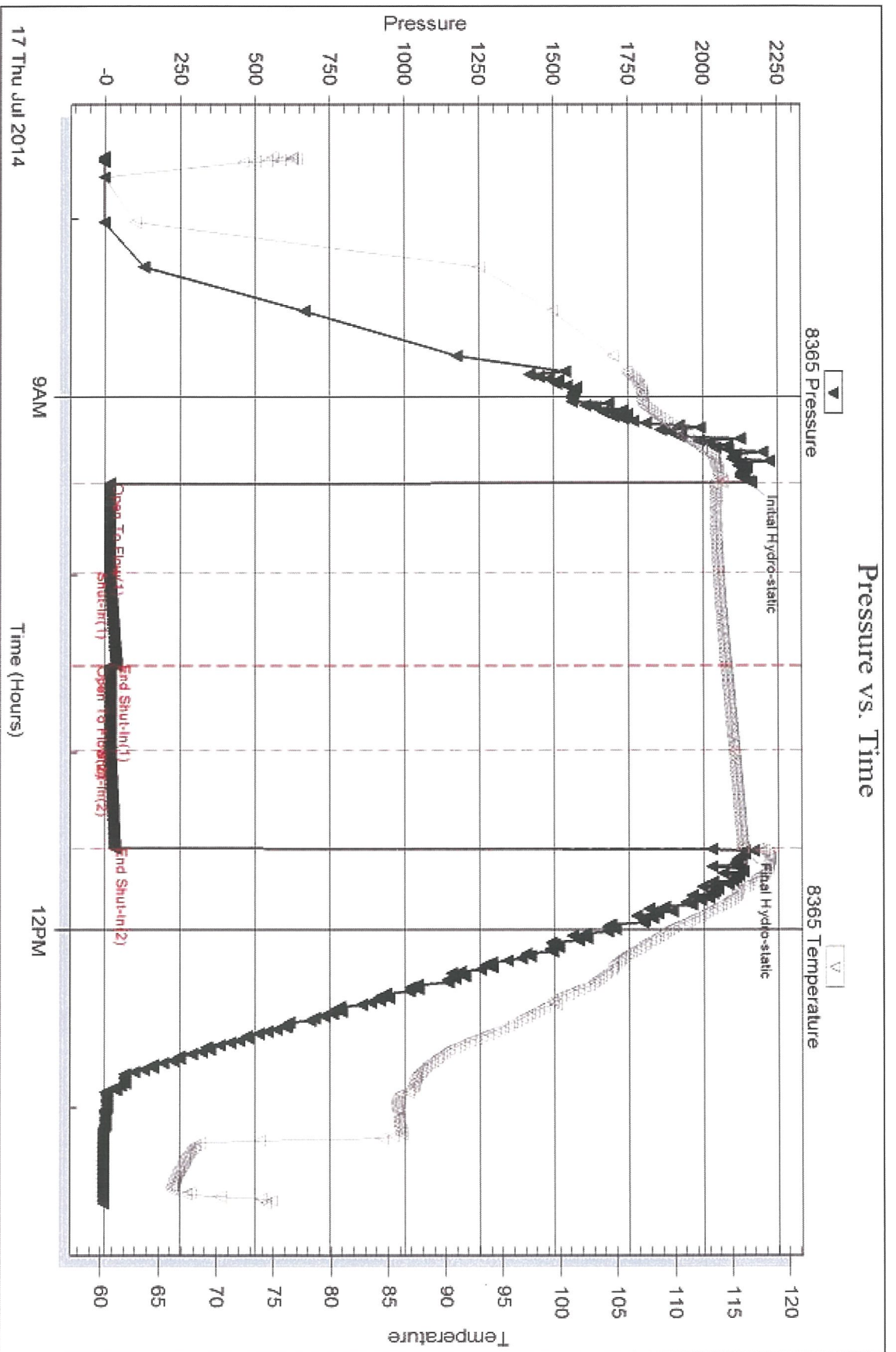
Serial #: 8365

Inside

Palominio Petroleum

BBR #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 59130

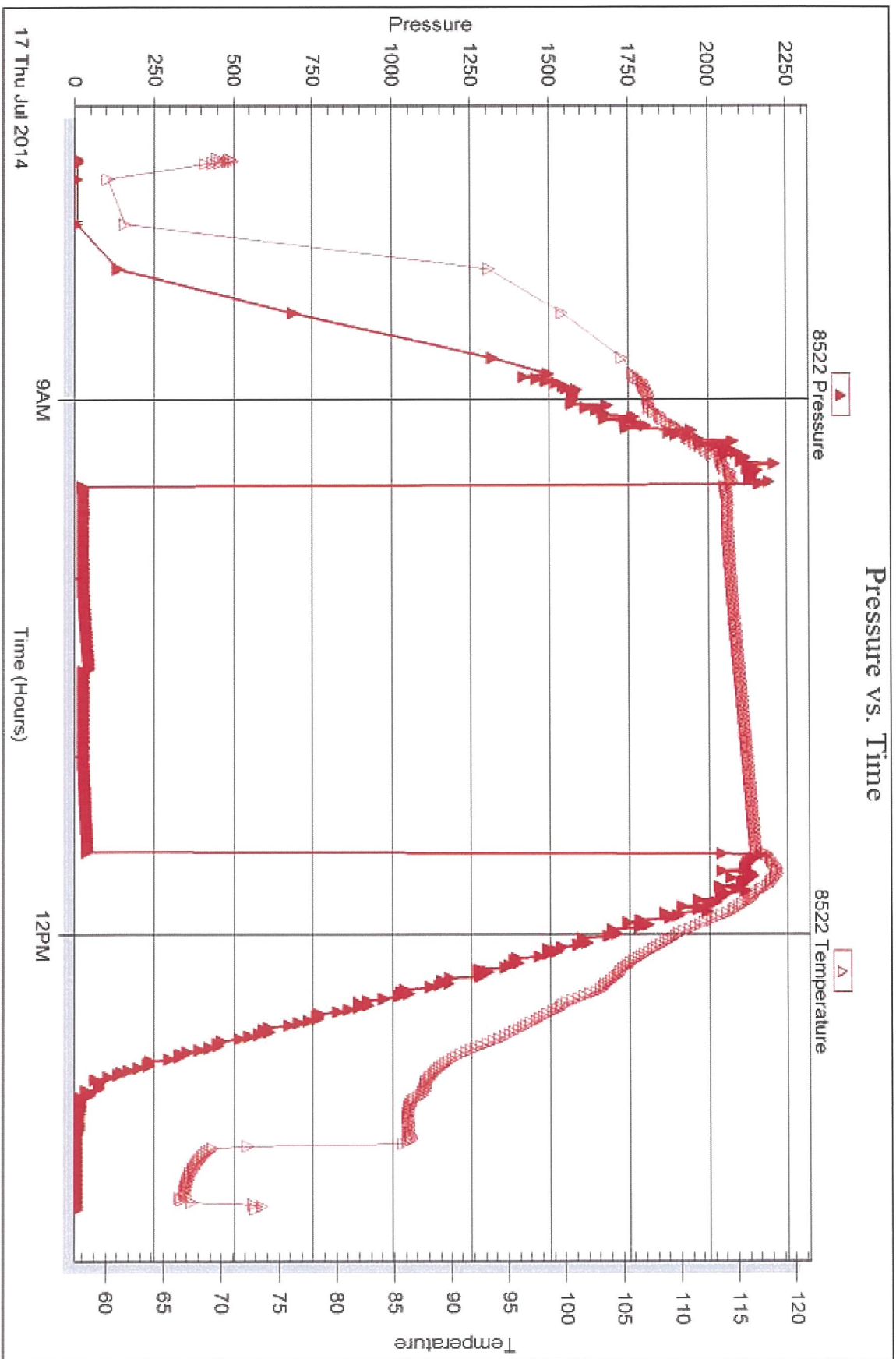
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Serial #: 8522

Outside Palomino Petroleum

BBR #1

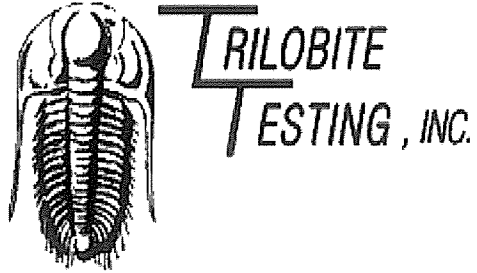
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 59130

Printed: 2014.07.21 @ 10:14:24



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

BBR #1

8-18s-25w Ness,KS

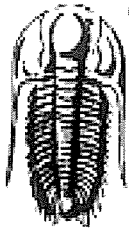
Start Date: 2014.07.17 @ 20:53:00

End Date: 2014.07.18 @ 02:30:30

Job Ticket #: 59131 DST #: 3

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

Printed: 2014.07.21 @ 10:13:58



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

8-18s-25w Ness,KS
BBR #1
Job Ticket: 59131 **DST#: 3**
Test Start: 2014.07.17 @ 20:53:00

GENERAL INFORMATION:

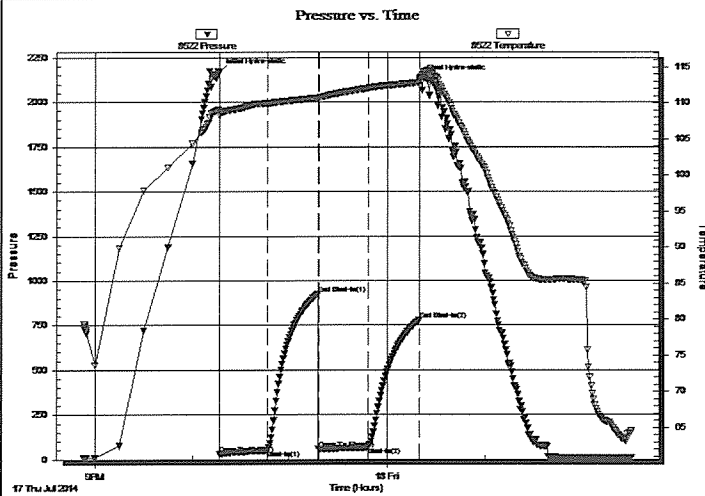
Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:17:15
 Time Test Ended: 02:30:30
 Interval: **4348.00 ft (KB) To 4459.00 ft (KB) (TVD)**
 Total Depth: **4459.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Bradley Walter**
 Unit No: **69**
 Reference Elevations: **2507.00 ft (KB)**
2502.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8522

Outside

Press@RunDepth: **67.19 psig @ 4349.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2014.07.17** End Date: **2014.07.18** Last Calib.: **2014.07.18**
 Start Time: **20:53:05** End Time: **02:30:29** Time On Btm: **2014.07.17 @ 22:16:45**
 Time Off Btm: **2014.07.18 @ 00:20:00**

TEST COMMENT: IF: 1" blow.
 IS: No return.
 FF: 1/2" blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.46	108.82	Initial Hydro-static
1	30.57	108.30	Open To Flow (1)
30	50.96	109.99	Shut-In(1)
61	926.28	110.75	End Shut-In(1)
62	56.83	110.60	Open To Flow (2)
92	67.19	112.09	Shut-In(2)
123	779.20	112.88	End Shut-In(2)
124	2132.42	113.43	Final Hydro-static

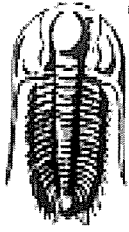
Recovery

Length (ft)	Description	Volume (bbl)
70.00	ocm 10o 90m	0.34
25.00	oil 100o	0.12

* 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

8-18s-25w Ness,KS

4924 SE 84th St.
New ton KS 67114

BBR #1

Job Ticket: 59131

DST#: 3

ATTN: Ryan Seib

Test Start: 2014.07.17 @ 20:53:00

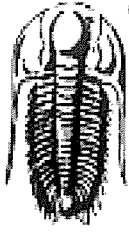
Tool Information

Drill Pipe:	Length: 4226.00 ft	Diameter: 3.80 inches	Volume: 59.28 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 59.88 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4348.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	111.00 ft			
Tool Length:	138.00 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			4322.00	
Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Jars	5.00			4337.00	
Safety Joint	2.00			4339.00	
Packer	5.00			4344.00	27.00 Bottom Of Top Packer
Packer	4.00			4348.00	
Stubb	1.00			4349.00	
Recorder	0.00	8365	Inside	4349.00	
Recorder	0.00	8522	Outside	4349.00	
Perforations	10.00			4359.00	
Change Over Sub	1.00			4360.00	
Drill Pipe	95.00			4455.00	
Change Over Sub	1.00			4456.00	
Bullnose	3.00			4459.00	111.00 Bottom Packers & Anchor

Total Tool Length: 138.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

8-18s-25w Ness,KS

4924 SE 84th St.
New ton KS 67114

BBR #1

Job Ticket: 59131

DST#: 3

ATTN: Ryan Seib

Test Start: 2014.07.17 @ 20:53:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	ocm 10o 90m	0.344
25.00	oil 100o	0.123

Total Length: 95.00 ft Total Volume: 0.467 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

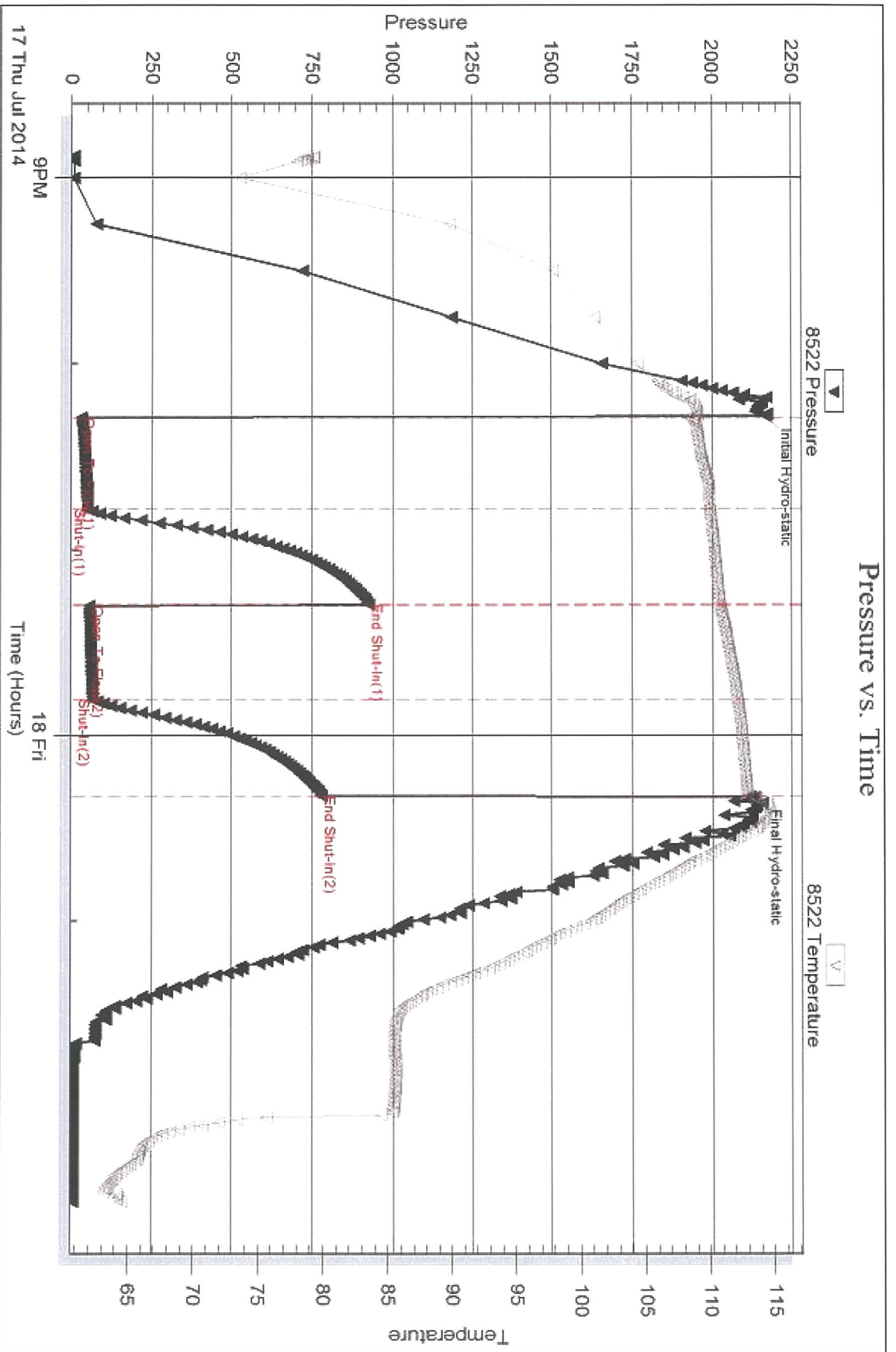
Serial #: 8522

Outside

Palomino Petroleum

BBR #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

BBR #1

8-18s-25w Ness,KS

Start Date: 2014.07.18 @ 14:10:00

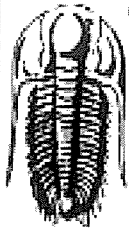
End Date: 2014.07.18 @ 20:19:15

Job Ticket #: 59132 DST #: 4

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

Printed: 2014.07.21 @ 10:13:29

Palomino Petroleum
8-18s-25w Ness,KS
BBR #1
DST # 4
Ft Scott
2014.07.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

8-18s-25w Ness,KS
BBR #1
Job Ticket: 59132 **DST#: 4**
Test Start: 2014.07.18 @ 14:10:00

GENERAL INFORMATION:

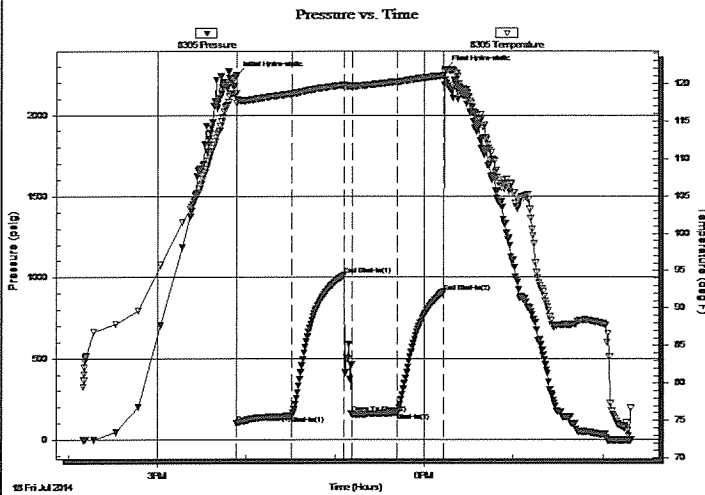
Formation: **Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:53:45
 Time Test Ended: 20:19:15
 Interval: **4310.00 ft (KB) To 4469.00 ft (KB) (TVD)**
 Total Depth: 4551.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 2507.00 ft (KB)
 2502.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8365

Outside

Press@RunDepth: 165.42 psig @ 4311.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.18 End Date: 2014.07.18 Last Calib.: 2014.07.18
 Start Time: 14:10:05 End Time: 20:19:14 Time On Btm: 2014.07.18 @ 15:53:30
 Time Off Btm: 2014.07.18 @ 18:14:00

TEST COMMENT: IF: BOB @ 18 min.
 IS: No return.
 FF: 8" blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2247.99	118.61	Initial Hydro-static
1	98.75	117.41	Open To Flow (1)
37	146.36	118.63	Shut-In(1)
73	1013.82	119.77	End Shut-In(1)
78	159.48	119.51	Open To Flow (2)
108	165.42	120.22	Shut-In(2)
140	908.94	121.03	End Shut-In(2)
141	2282.75	121.85	Final Hydro-static

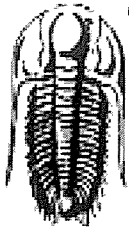
Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 50g 20o 30m	0.59
70.00	gocm 20g 20o 60m	0.97
0.00	120' 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

ATTN: Ryan Seib

8-18s-25w Ness,KS

BBR #1
Job Ticket: 59132 **DST#: 4**
Test Start: 2014.07.18 @ 14:10:00

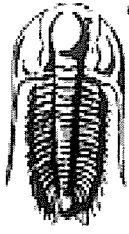
Tool Information

Drill Pipe:	Length: 4194.00 ft	Diameter: 3.80 inches	Volume: 58.83 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: 2500.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 59.43 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4310.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	242.00 ft			
Tool Length:	269.00 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			4284.00	
Shut In Tool	5.00			4289.00	
Hydraulic tool	5.00			4294.00	
Jars	5.00			4299.00	
Safety Joint	2.00			4301.00	
Packer	5.00			4306.00	27.00 Bottom Of Top Packer
Packer	4.00			4310.00	
Stubb	1.00			4311.00	
Recorder	0.00	8677	Inside	4311.00	
Recorder	0.00	8365	Outside	4311.00	
Perforations	10.00			4321.00	
Change Over Sub	1.00			4322.00	
Drill Pipe	127.00			4449.00	
Change Over Sub	1.00			4450.00	
Perforations	15.00			4465.00	
Blank Off Sub	1.00			4466.00	
Packer	3.00			4469.00	
Blank Spacing	1.00			4470.00	242.00 Tool Interval
Packer	5.00			4475.00	
Perforations	9.00			4484.00	
Change Over Sub	1.00			4485.00	
Recorder	0.00	8522	Below	4485.00	
Drill Pipe	63.00			4548.00	
Change Over Sub	1.00			4549.00	
Bullnose	3.00			4552.00	1000268.00 Bottom Packers & Anchor

Total Tool Length: 269.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

8-18s-25w Ness,KS

4924 SE 84th St.
New ton KS 67114

BBR #1

Job Ticket: 59132

DST#: 4

ATTN: Ryan Seib

Test Start: 2014.07.18 @ 14:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 50g 20o 30m	0.590
70.00	gocm 20g 20o 60m	0.973
0.00	120' GIP	0.000

Total Length: 190.00 ft

Total Volume: 1.563 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

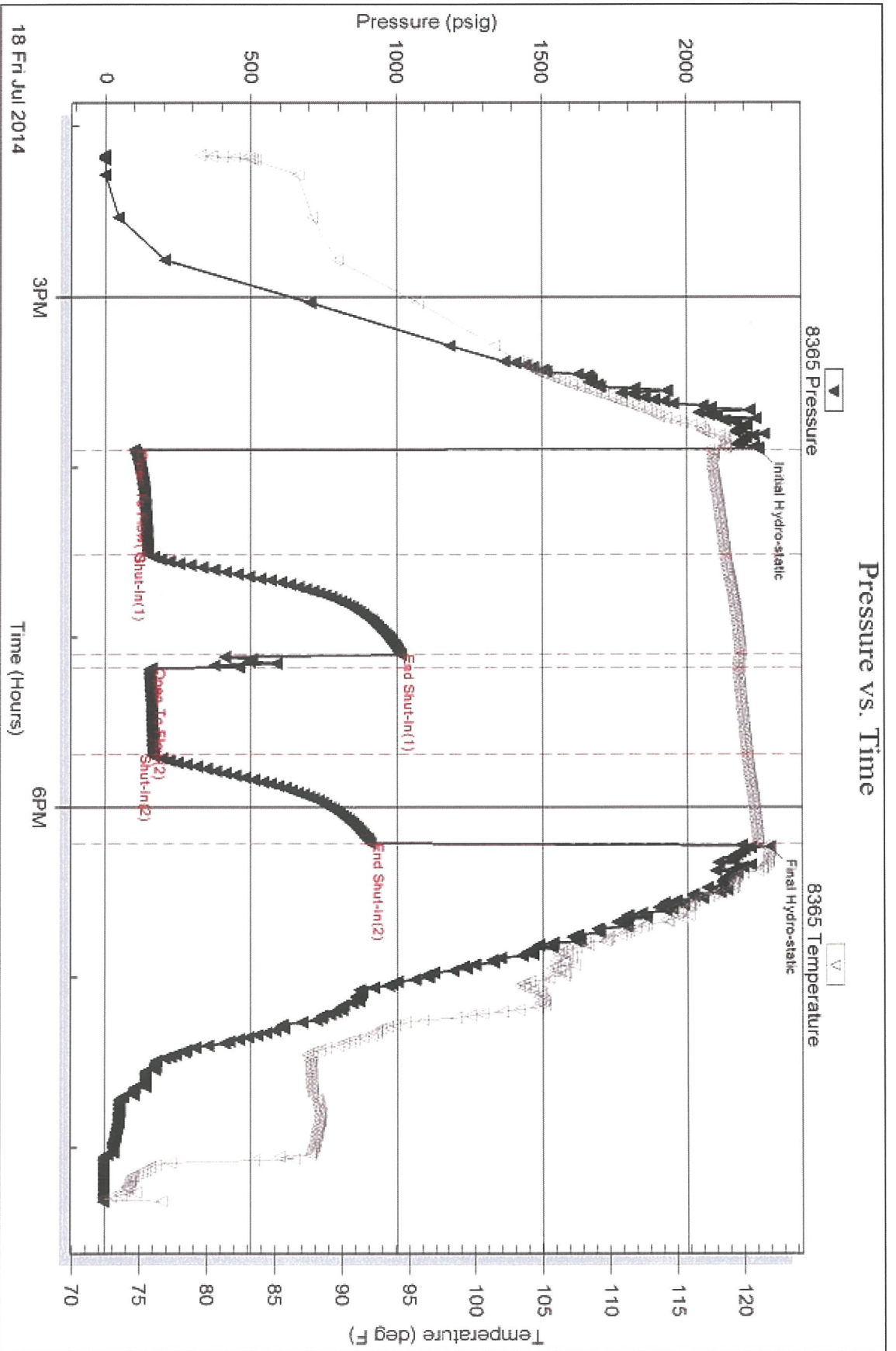
Serial #: 8365

Outside

Palomino Petroleum

BBR #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 59132

Printed: 2014.07.21 @ 10:13:30

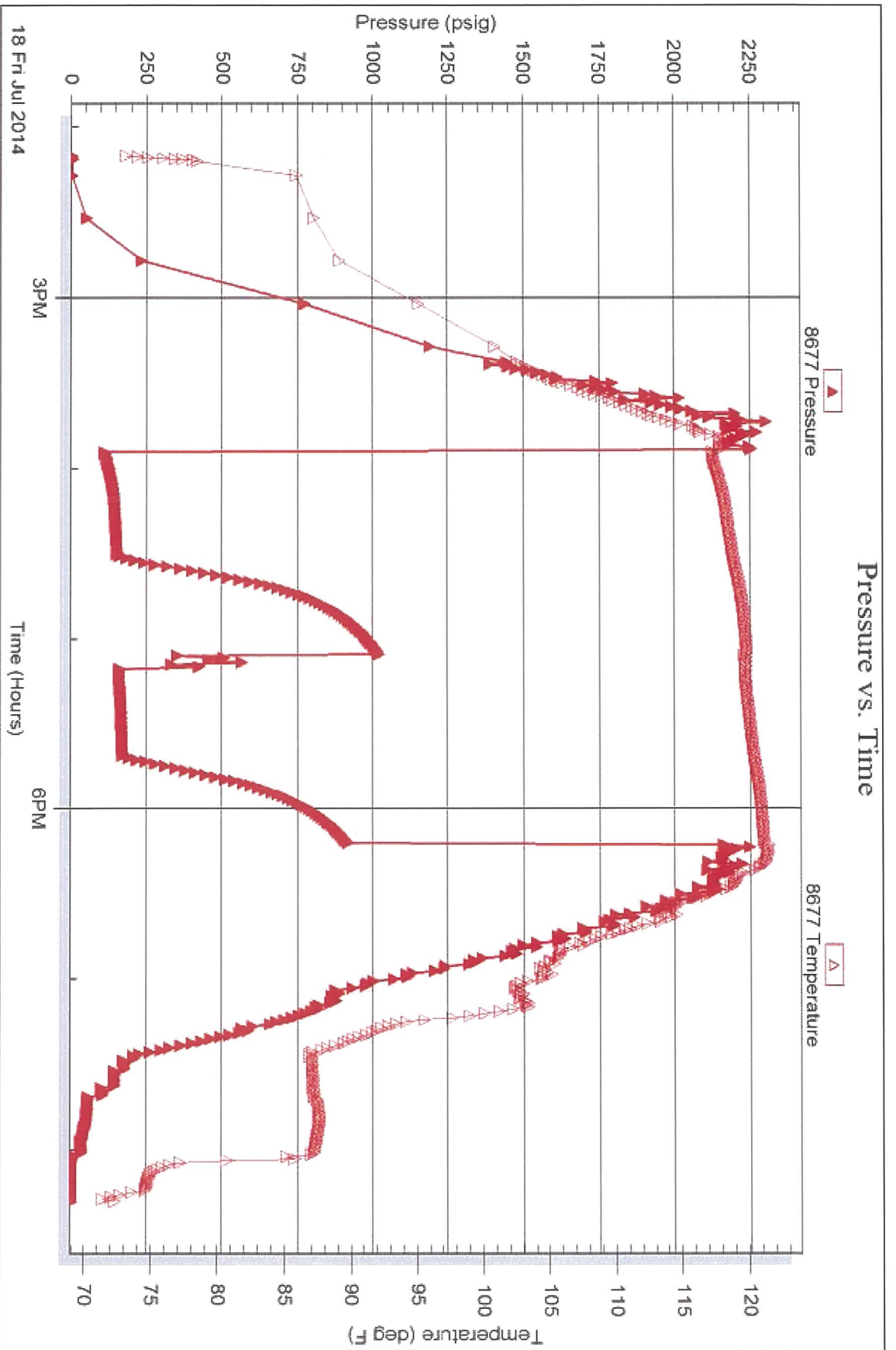
Serial #: 8677

Inside

Palomino Petroleum

BBR #1

DST Test Number: 4

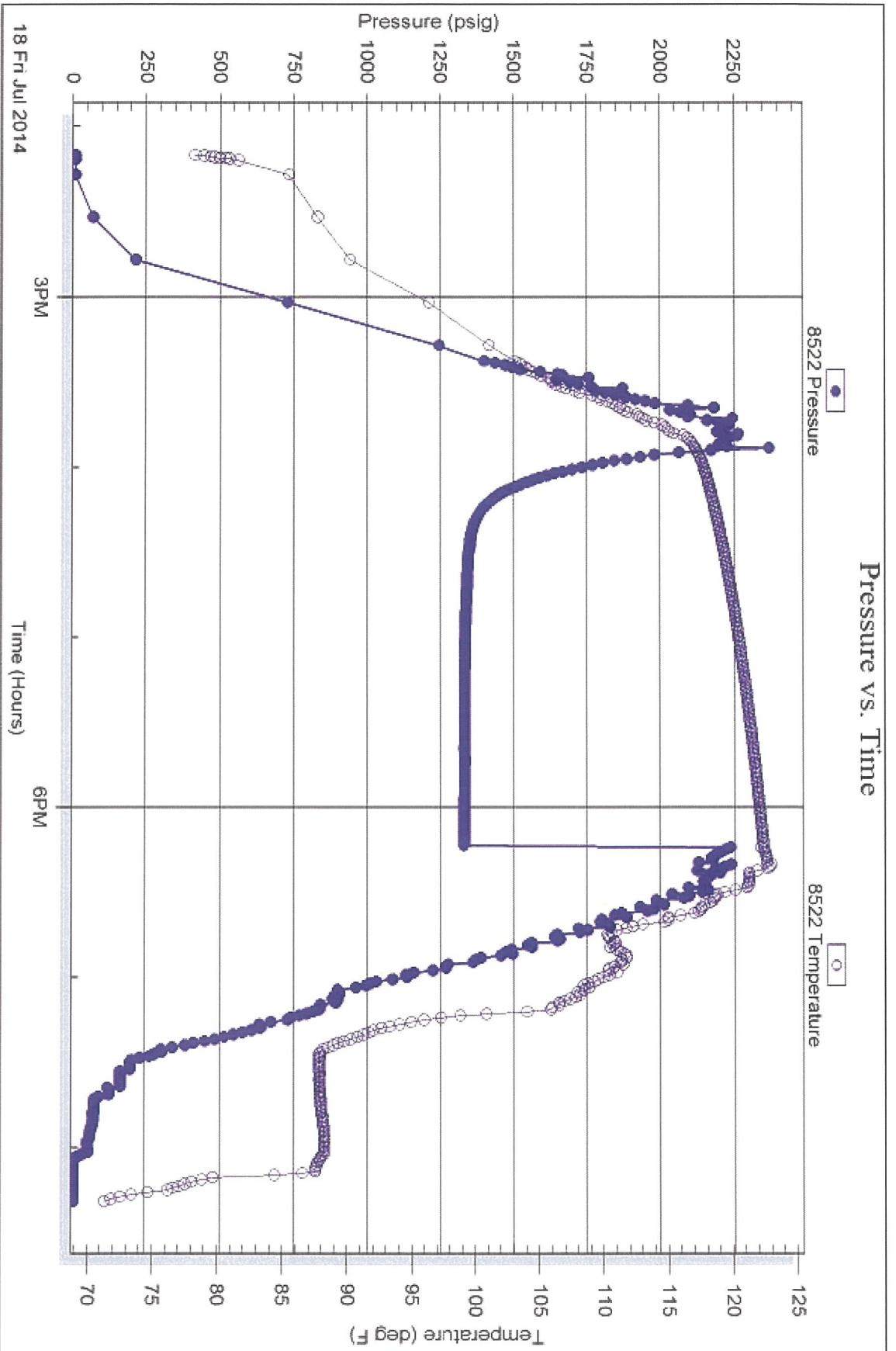


Serial #: 8522

Below (Str. ~~Ratio~~) Petroleum

BBR #1

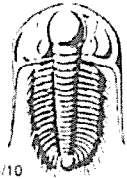
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 59132

Printed: 2014.07.21 @ 10:13:31



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59129

Well Name & No. BBR #1 Test No. 1 Date 7/16/14
 Company Palomino Petroleum Elevation 2502 KB 2502 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #8
 Location: Sec. 8 Twp. 18S Rge. 25W Co. Ness State KS

Interval Tested 4127 - 4270 Zone Tested Marmaton
 Anchor Length 143 Drill Pipe Run 4004 Mud Wt. 9.4
 Top Packer Depth 4122 Drill Collars Run 121 Vis 53
 Bottom Packer Depth 4127 Wt. Pipe Run 0 WL 6.8
 Total Depth 4270 Chlorides 2100 ppm System LCM 1#

Blow Description IF: 1" blow
ISI: No return
FF: Wax Surface blow
FST: No return.

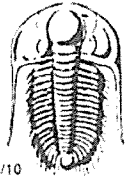
Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>MUD (Oil spears in tool)</u>				

Rec Total 50 BHT 116 Gravity - API RW - @ - F Chlorides - ppm
 (A) Initial Hydrostatic 2040 Test 1250 T-On Location 0645
 (B) First Initial Flow 30 Jars 250 T-Started 0842
 (C) First Final Flow 42 Safety Joint 75 T-Open 1052
 (D) Initial Shut-In 834 Circ Sub N/C T-Pulled 1252
 (E) Second Initial Flow 45 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 52 Mileage 9821 151.90 Comments _____
 (G) Final Shut-In 739 Sampler _____
 (H) Final Hydrostatic 2011 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 1726.90
 Final Flow 30 Accessibility _____ MP/DST Disc _____
 Final Shut-In 30 Sub Total 1726.90

Approved By _____ Our Representative [Signature]

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. 59130

Well Name & No. BBR #1 Test No. 2 Date 7/17/14
 Company Palomino Petroleum Elevation 2507 KB 2502 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #8
 Location: Sec. 8 Twp. 18S Rge. 25W Co. Lane Ness State KS

Interval Tested 4348 4437 Zone Tested Mississippian
 Anchor Length 89' Drill Pipe Run 4226 Mud Wt. 9.3
 Top Packer Depth 4343 Drill Collars Run 121 Vis 54
 Bottom Packer Depth 4348 Wt. Pipe Run 0 WL 6.8
 Total Depth 4437 Chlorides ~~21,000~~ 2100 ppm System LCM 1/2 #
 Blow Description IF: Surface blow, chkd @ 20 min.
ISI: No return.
FF: No blow.
FSI: No return.

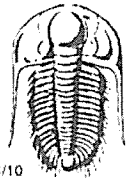
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD</u>				
	<u>OK Spots</u>				

Rec Total 5 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2160 Test 1250 T-On Location 0720
 (B) First Initial Flow 17 Jars 250 T-Started 0739
 (C) First Final Flow 19 Safety Joint 75 T-Open 0929
 (D) Initial Shut-In 34 Circ Sub N/C T-Pulled 1159
 (E) Second Initial Flow 20 Hourly Standby _____ T-Out 1332
 (F) Second Final Flow 20 Mileage 98 RT 151.90 Comments _____
 (G) Final Shut-In 32 Sampler _____
 (H) Final Hydrostatic 2134 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1726.90
 MP/DST Disc't _____
 Sub Total 1726.90

Approved By _____ Our Representative Bud [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59131

Well Name & No. BBR #1 Test No. 3 Date 7/15/14
 Company Palomino Petroleum Elevation 2507 KB 2502 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #8
 Location: Sec. 8 Twp. 18S Rge. 25W Co. Late Ness State KS

Interval Tested 4348 4459 Zone Tested Mississippian
 Anchor Length 43' 11" Drill Pipe Run 4226 Mud Wt. 9.2
 Top Packer Depth 4343 Drill Collars Run 121 Vis 52
 Bottom Packer Depth 4348 Wt. Pipe Run 8 WL 7.6
 Total Depth 4459 Chlorides 2300 ppm System LCM 1#

Blow Description IF: 1' blow
TSI: No return
FF: 1/2" blow
FSI: No return

Rec	Feet of	%gas	%oil	%water	%mud
25	oil	100			
70	OCM	10		90	

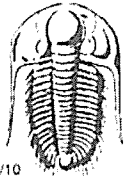
Rec Total 95 BHT 113 Gravity 36 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2168 Test 1250 T-On Location 2045
 (B) First Initial Flow 31 Jars 250 T-Started 2053
 (C) First Final Flow 51 Safety Joint 75 T-Open 22 17
 (D) Initial Shut-In 926 Circ Sub MC T-Pulled 00 17 7/15
 (E) Second Initial Flow 57 Hourly Standby _____ T-Out 0231
 (F) Second Final Flow 67 Mileage 98RT 151.90 Comments _____
 (G) Final Shut-In 779 Sampler _____
 (H) Final Hydrostatic 2132 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1726.90
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1726.90

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59132

Well Name & No. BBR #1 Test No. 4 Date 7/18/14
 Company Palomina Petroleum Elevation 2507 KB 2502 GL
 Address 4924 SE 84th St Newton, ks 67114
 Co. Rep / Geo. Ryan Seib Rig WW #8
 Location: Sec. 8 Twp. 18S Rge. 25W Co. Ness State Ks

Interval Tested 4310 - 4469 Zone Tested Ft Scott
 Anchor Length 159' Drill Pipe Run 4194 Mud Wt. 9.2
 Top Packer Depth 4305 Drill Collars Run 121 Vis 53
 Bottom Packer Depth 4310 4469 str Wt. Pipe Run 0 WL 7.6
 Total Depth 4551 Chlorides 4200 ppm System LCM 1#

Blow Description IF: BOB @ 15 min
ISI: No return
FF: 8" blow
FSI: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>60cm</u>	<u>20</u>	<u>20</u>	<u>60</u>	
<u>120</u>		<u>20</u>	<u>20</u>	<u>30</u>	
	<u>20' GIP</u>				

Rec Total 1000 BHT 121 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2248</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1915</u>
(B) First Initial Flow <u>99</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1930</u>
(C) First Final Flow <u>147</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1605</u>
(D) Initial Shut-In <u>1014</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>1825</u>
(E) Second Initial Flow <u>159</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2042</u>
(F) Second Final Flow <u>165</u>	<input checked="" type="checkbox"/> Mileage <u>98RT 151.90</u>	Comments
(G) Final Shut-In <u>909</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2283</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>had</u> <u>30</u>	<input checked="" type="checkbox"/> Extra Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>Slip problems</u> <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Flow <u>Times are off</u> <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	Total <u>2826.90</u>
	Sub Total <u>2826.90</u>	MP/DST Disc'

Approved By _____ Our Representative [Signature]

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.

nick @ PPKS.com