



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1217403
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1217403

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

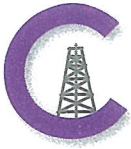
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	FMR 2
Doc ID	1217403

Tops

Name	Top	Datum
Anhy.	1623	(+ 755)
Base Anhy.	1651	(+ 727)
Heebner	3673	(-1295)
Lansing	3716	(-1338)
Stark Sh.	3952	(-1574)
BKC	4010	(-1632)
Marmaton	4050	(-1672)
Ft. Scott	4215	(-1837)
Cherokee Sh.	4240	(-1862)
Miss.	4324	(-1946)
LTD	4448	(-2070)



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 # 269396

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

Page 1

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

FMR #2
47009
3-18-25
7-10-14
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	220.00	15.8600	3489.20
1118B	PREMIUM GEL / BENTONITE	757.00	.2700	204.39
1107	FLO-SEAL (25#)	55.00	2.9700	163.35
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-215.59
9996-130	CEMENT MATERIAL DISCOUNT	-395.77

	Description	Hours	Unit Price	Total
397	TON MILEAGE DELIVERY	1.00	577.15	577.15
399	CEMENT PUMP	1.00	1395.00	1395.00
399	EQUIPMENT MILEAGE (ONE WAY)	35.00	5.25	183.75

Amount Due 6357.00 if paid after 07/28/2014

Parts:	3957.69	Freight:	.00	Tax:	219.07	AR	5721.30
Labor:	.00	Misc:	.00	Total:	5721.30		
Sublt:	-611.36	Supplies:	.00	Change:	.00		

Signed _____ Date _____

JUL 14 2014



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144202

Invoice Date: Jul 3, 2014

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	64040	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 3, 2014	8/2/14

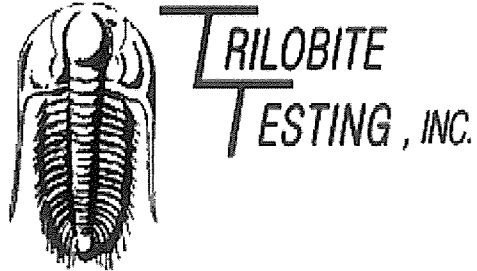
Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	FMR #2		
160.00	CEMENT MATERIALS	Class A Common	17.90	2,864.00
301.00	CEMENT MATERIALS	Gel	1.05	316.05
451.00	CEMENT MATERIALS	Chloride	1.10	496.10
173.01	CEMENT SERVICE	Cubic Feet Charge	2.48	429.06
237.00	CEMENT SERVICE	Ton Mileage Charge	2.75	651.75
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
30.00	CEMENT SERVICE	Pump Truck Mileage	7.70	231.00
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
30.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	132.00
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		

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

\$ 1,381.44

ONLY IF PAID ON OR BEFORE
Aug 2, 2014

Subtotal	6,907.21
Sales Tax	226.08
Total Invoice Amount	7,133.29
Payment/Credit Applied	
TOTAL	7,133.29



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

FMR #2

3-18s-25w Ness,KS

Start Date: 2014.07.07 @ 12:45:00

End Date: 2014.07.07 @ 18:39:30

Job Ticket #: 56658 DST #: 1

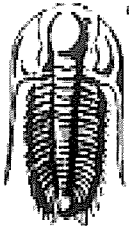
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.10 @ 11:14:06

Palomino Petroleum, Inc. 3-18s-25w Ness,KS FMR #2 DST # 1 Marmaton 2014.07.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 56658

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2014.07.07 @ 12:45:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:49:00

Time Test Ended: 18:39:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Justin Harris

Unit No: 60

Interval: **4004.00 ft (KB) To 4135.00 ft (KB) (TVD)**

Total Depth: 4135.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2378.00 ft (KB)

2373.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 47.82 psig @ 4005.00 ft (KB)

Start Date: 2014.07.07

End Date:

2014.07.07

Start Time: 00:45:05

End Time:

06:39:29

Capacity: 8000.00 psig

Last Calib.: 2014.07.08

Time On Btm: 2014.07.07 @ 02:48:30

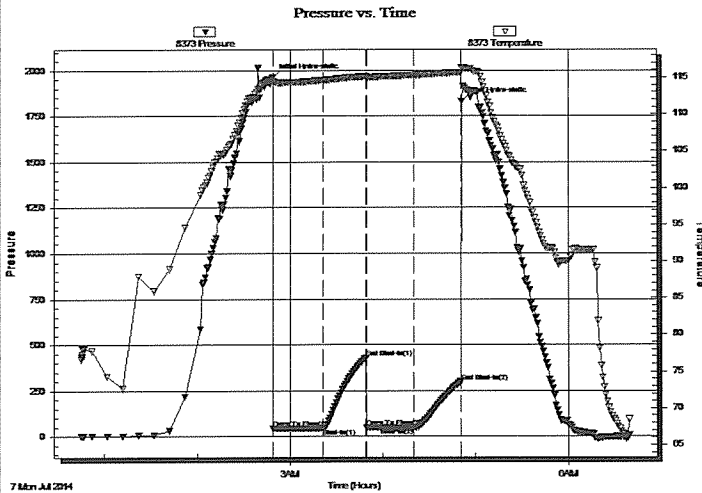
Time Off Btm: 2014.07.07 @ 04:51:00

TEST COMMENT: 30:1/2" Blow .

30: No Return.

30: No Blow .

30: No Return.



PRESSURE SUMMARY

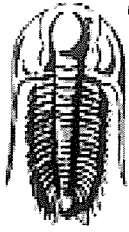
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1960.98	115.01	Initial Hydro-static
1	43.92	114.44	Open To Flow (1)
33	46.55	114.62	Shut-In(1)
61	429.32	115.14	End Shut-In(1)
61	50.05	114.94	Open To Flow (2)
92	47.82	115.30	Shut-In(2)
122	299.04	115.72	End Shut-In(2)
123	1830.75	116.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 56658

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2014.07.07 @ 12:45:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:49:00

Time Test Ended: 18:39:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Justin Harris

Unit No: 60

Interval: **4004.00 ft (KB) To 4135.00 ft (KB) (TVD)**

Total Depth: 4135.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2378.00 ft (KB)

2373.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8356 Outside

Press@RunDepth: psig @ 4005.00 ft (KB)

Start Date: 2014.07.07

End Date:

2014.07.07

Capacity: 8000.00 psig

Last Calib.:

2014.07.08

Start Time: 00:45:05

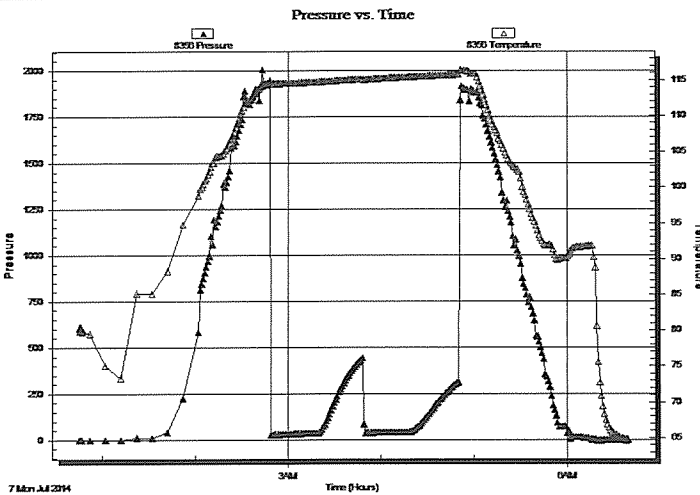
End Time:

06:38:59

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:1/2" Blow .
30: No Return.
30: No Blow .
30: No Return.



PRESSURE SUMMARY

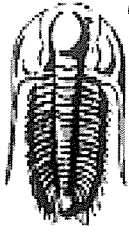
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 56658

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2014.07.07 @ 12:45:00

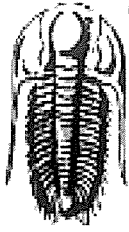
Tool Information

Drill Pipe:	Length: 3869.00 ft	Diameter: 3.80 inches	Volume: 54.27 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4004.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	131.00 ft			
Tool Length:	159.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3977.00	
Shut In Tool	5.00			3982.00	
Hydraulic tool	5.00			3987.00	
Jars	5.00			3992.00	
Safety Joint	3.00			3995.00	
Packer	5.00			4000.00	28.00 Bottom Of Top Packer
Packer	4.00			4004.00	
Stubb	1.00			4005.00	
Recorder	0.00	8373	Inside	4005.00	
Recorder	0.00	8356	Outside	4005.00	
Perforations	27.00			4032.00	
Change Over Sub	1.00			4033.00	
Drill Pipe	96.00			4129.00	
Change Over Sub	1.00			4130.00	
Bullnose	5.00			4135.00	131.00 Bottom Packers & Anchor

Total Tool Length: 159.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 56658

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2014.07.07 @ 12:45:00

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: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

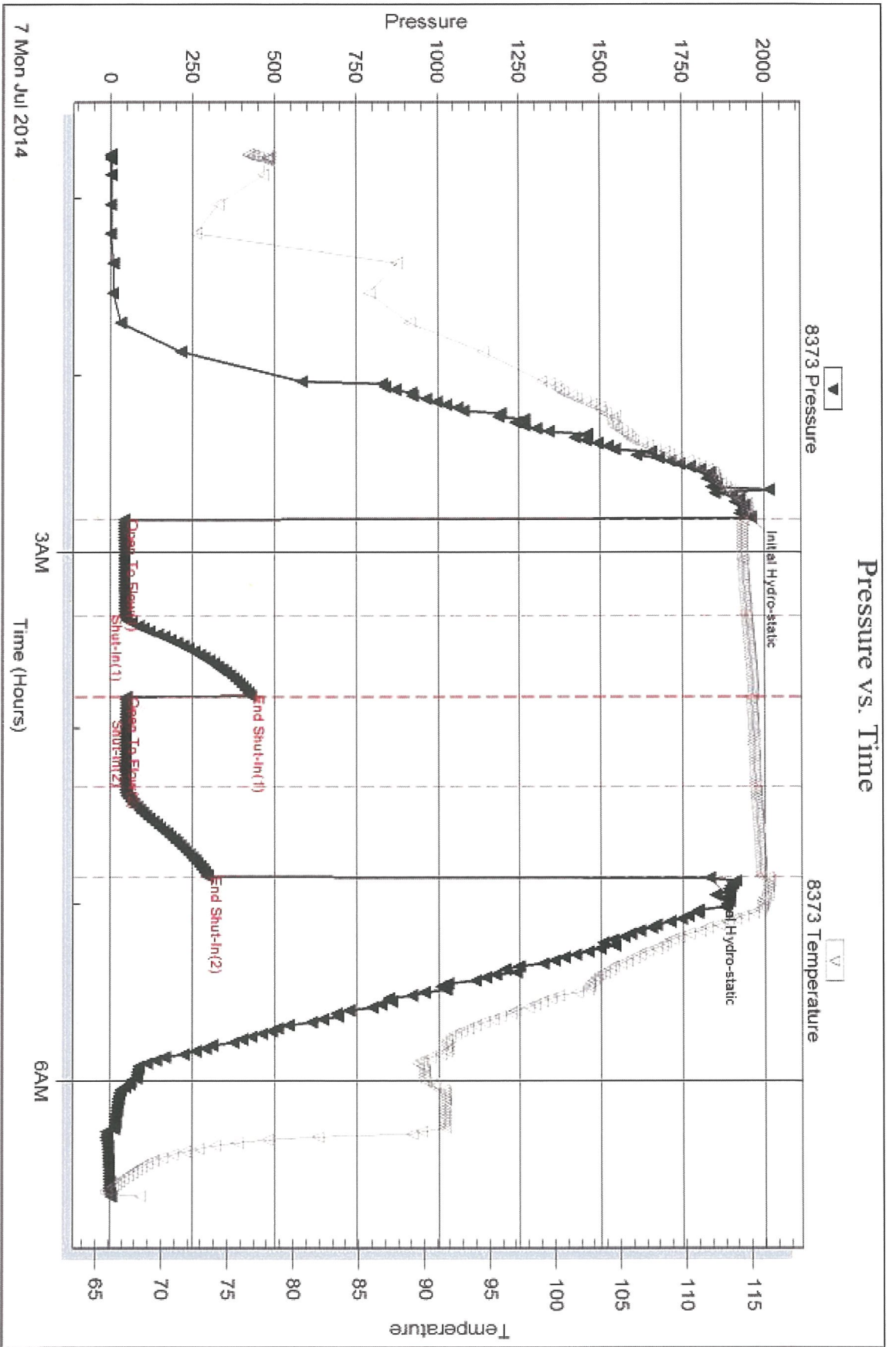
Length ft	Description	Volume bbl
15.00	Mud	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

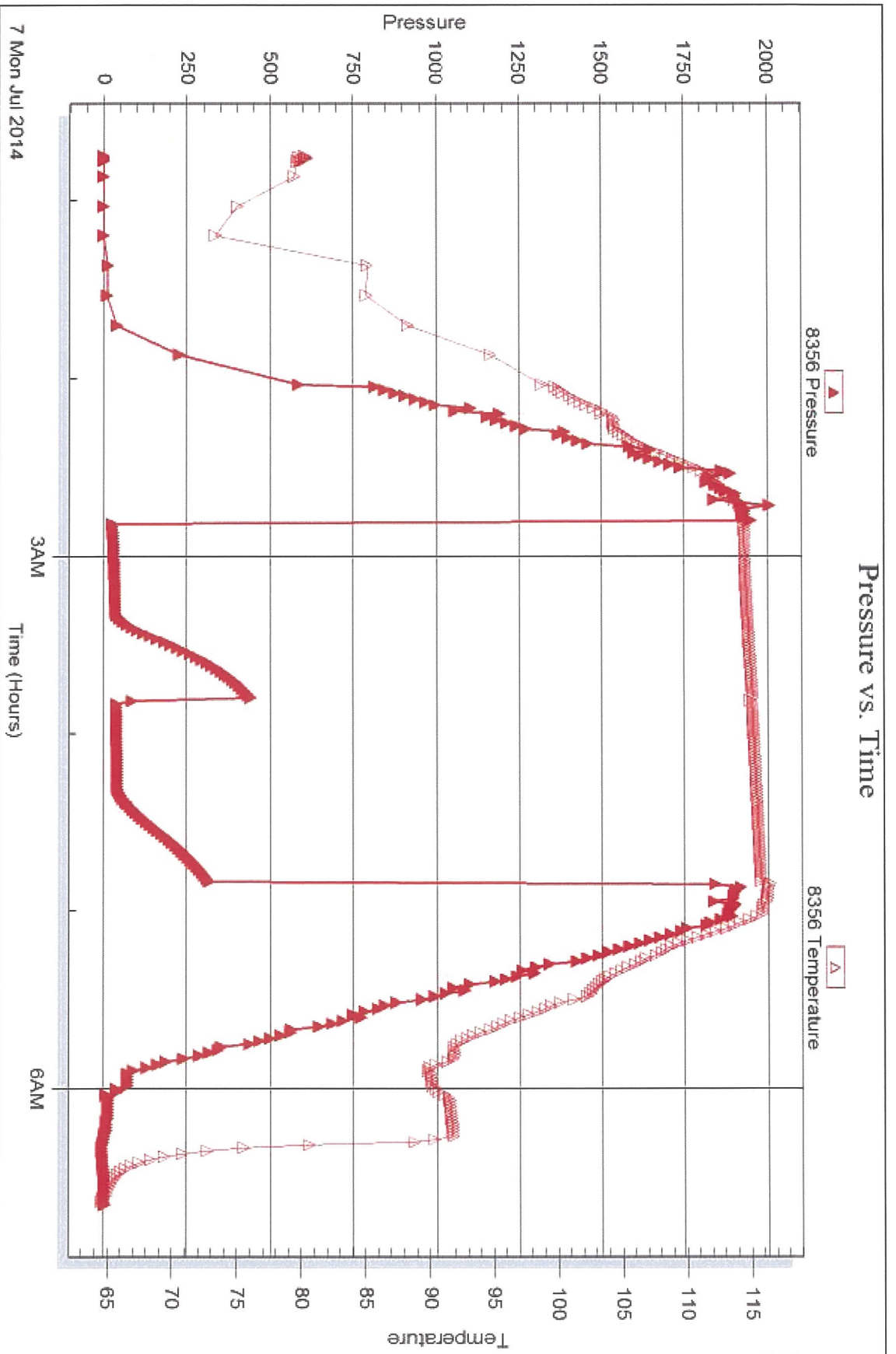


Serial #: 8356

Outside Palomino Petroleum, Inc.

FMR #2

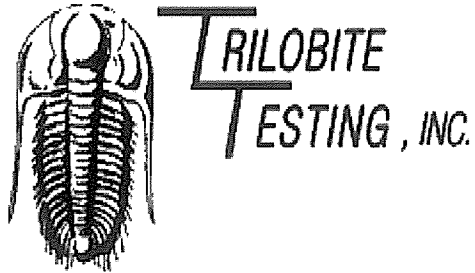
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56658

Printed: 2014.07.10 @ 11:14:07



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

FMR #2

3-18s-25w Ness,KS

Start Date: 2014.07.09 @ 01:59:10

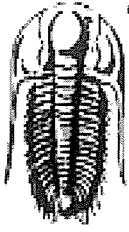
End Date: 2014.07.09 @ 08:29:10

Job Ticket #: 59005 DST #: 2

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

Printed: 2014.07.10 @ 11:13:37

Palomino Petroleum, Inc. 3-18s-25w Ness,KS FMR #2 DST # 2 Miss 2014.07.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 59005

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2014.07.09 @ 01:59:10

GENERAL INFORMATION:

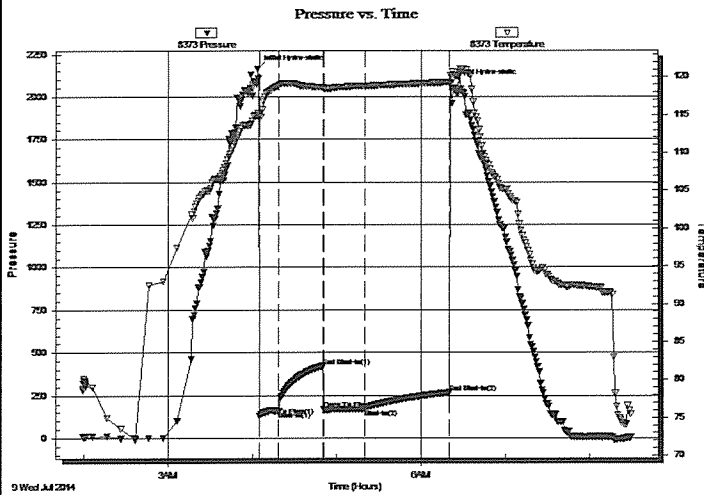
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:05:10
 Time Test Ended: 08:29:10
 Interval: **4253.00 ft (KB) To 4332.00 ft (KB) (TVD)**
 Total Depth: 4332.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 2378.00 ft (KB)
 2373.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 170.73 psig @ 4254.00 ft (KB)
 Start Date: 2014.07.09 End Date: 2014.07.09
 Start Time: 01:59:15 End Time: 08:29:09
 Capacity: 8000.00 psig
 Last Calib.: 2014.07.09
 Time On Btm: 2014.07.09 @ 04:03:40
 Time Off Btm: 2014.07.09 @ 06:21:10

TEST COMMENT: IF: BOB in 3 min.
 IS: Surface blow built to 7" in 30 min.
 FF: 1/4" blow built to 7" in 30 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.86	114.90	Initial Hydro-static
2	128.36	114.74	Open To Flow (1)
16	159.53	118.88	Shut-In(1)
47	417.28	118.62	End Shut-In(1)
48	169.69	118.47	Open To Flow (2)
77	170.73	118.77	Shut-In(2)
137	267.81	119.29	End Shut-In(2)
138	2079.92	120.14	Final Hydro-static

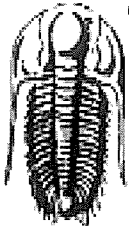
Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 20%g 60%o 20%m	0.30
124.00	mcgo 20%g 40%o 40%m	1.20
164.00	ocm 40%o 60%m	2.30
10.00	free oil 100%o	0.14
0.00	62 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, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 59005

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2014.07.09 @ 01:59:10

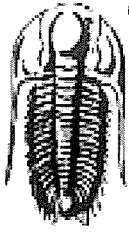
Tool Information

Drill Pipe:	Length: 4125.00 ft	Diameter: 3.80 inches	Volume: 57.86 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 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: 80000.00 lb
			Total Volume: 58.46 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4253.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4226.00	
Shut In Tool	5.00			4231.00	
Hydraulic tool	5.00			4236.00	
Jars	5.00			4241.00	
Safety Joint	3.00			4244.00	
Packer	5.00			4249.00	28.00 Bottom Of Top Packer
Packer	4.00			4253.00	
Stubb	1.00			4254.00	
Recorder	0.00	8373	Inside	4254.00	
Recorder	0.00	8356	Outside	4254.00	
Perforations	7.00			4261.00	
Change Over Sub	1.00			4262.00	
Drill Pipe	64.00			4326.00	
Change Over Sub	1.00			4327.00	
Bullnose	5.00			4332.00	79.00 Bottom Packers & Anchor

Total Tool Length: 107.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 59005

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2014.07.09 @ 01:59:10

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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcgo 20%g 60%o 20%m	0.305
124.00	mcgo 20%g 40%o 40%m	1.202
164.00	ocm 40%o 60%m	2.300
10.00	free oil 100%o	0.140
0.00	62 GIP	0.000

Total Length: 360.00 ft Total Volume: 3.947 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

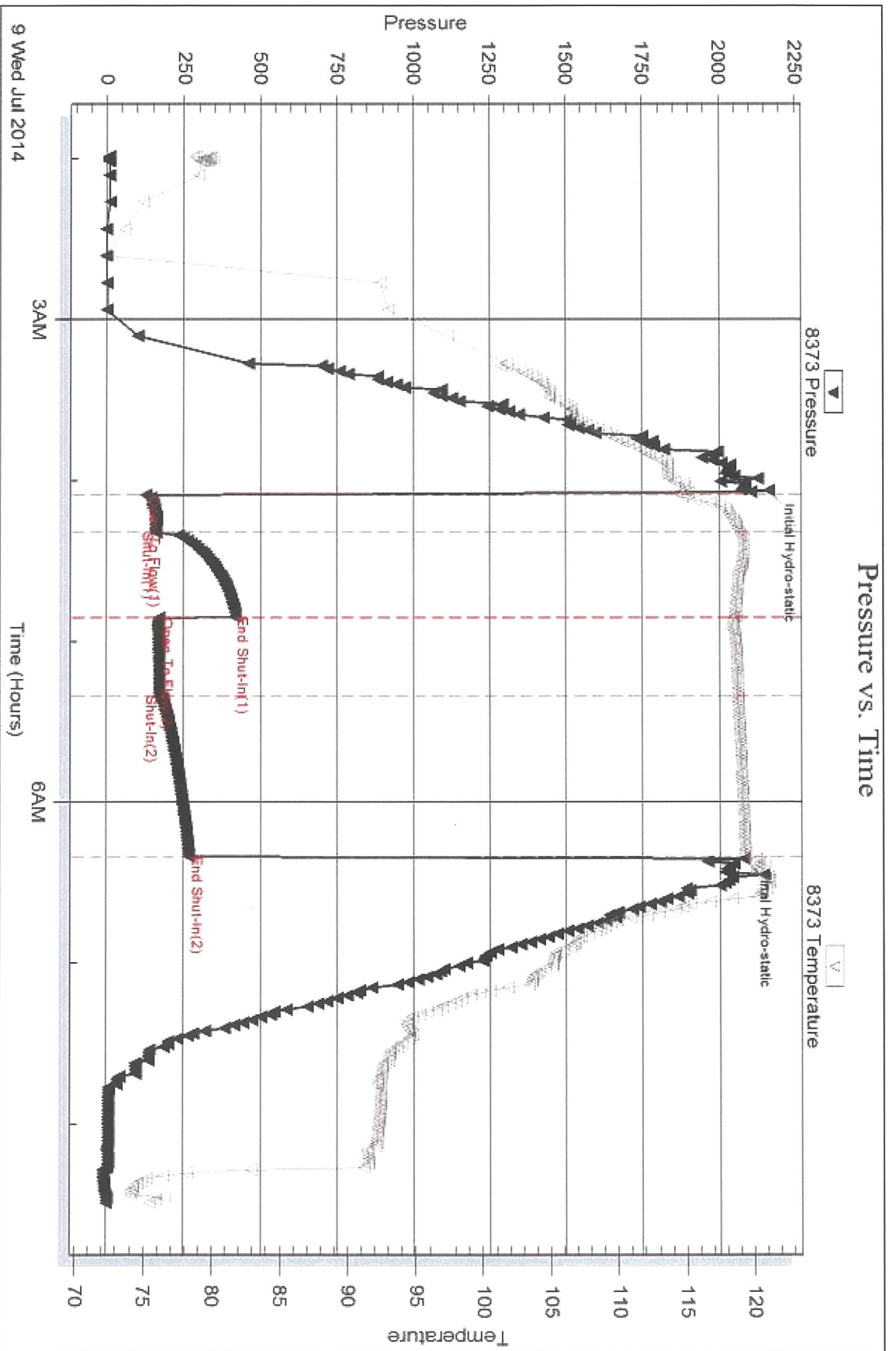
Serial #: 8373

Inside

Palomino Petroleum, Inc.

FWR #2

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 59005

Printed: 2014.07.10 @ 11:13:39

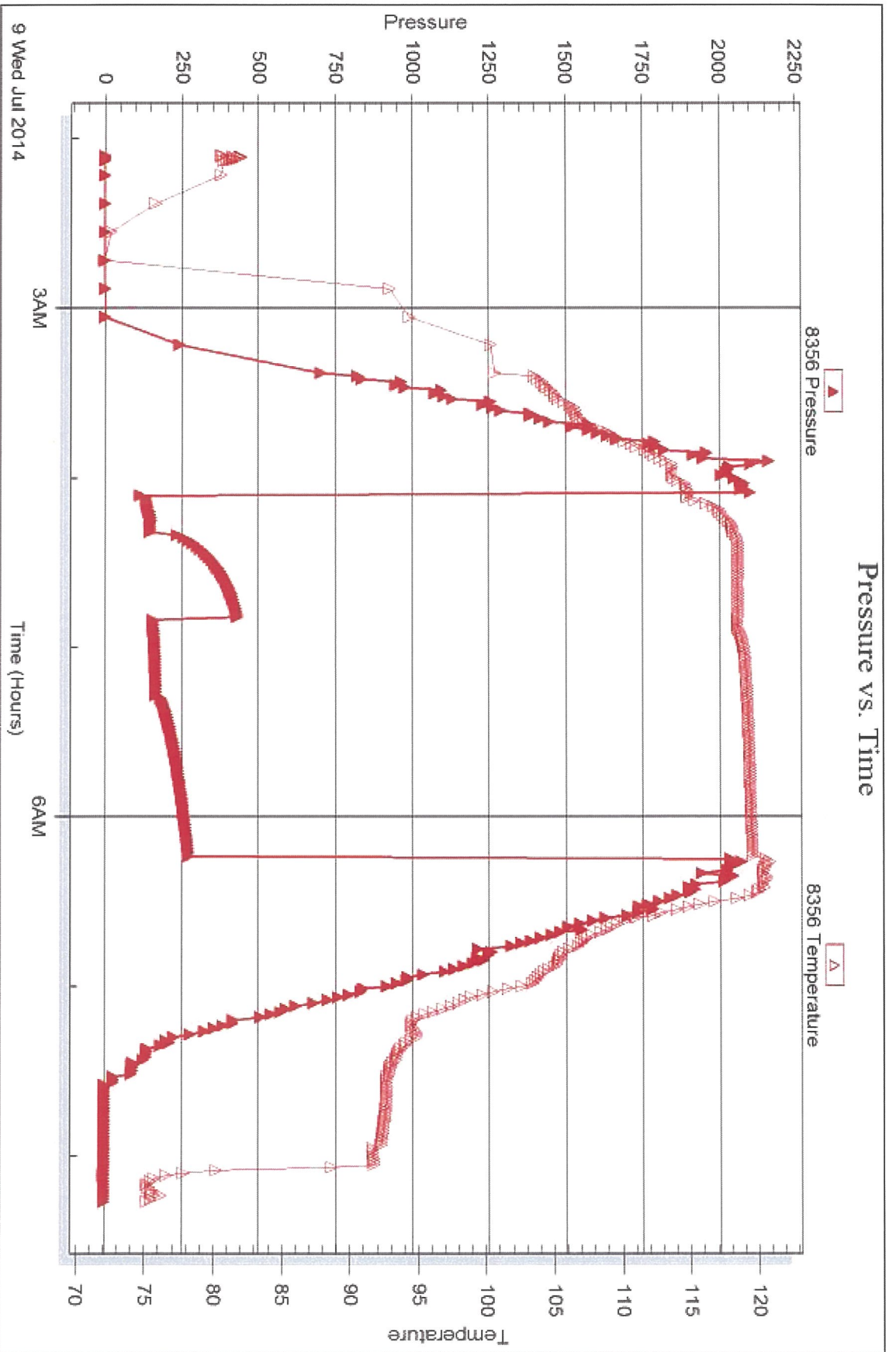
Serial #: 8356

Outside

Palomino Petroleum, Inc.

FMR #2

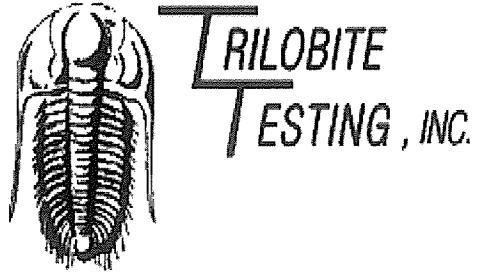
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 59005

Printed: 2014.07.10 @ 11:13:39



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

FMR #2

3-18s-25w Ness,KS

Start Date: 2014.07.09 @ 14:30:34

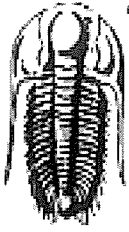
End Date: 2014.07.09 @ 21:12:34

Job Ticket #: 59006 DST #: 3

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

Printed: 2014.07.10 @ 11:13:03

Palomino Petroleum, Inc. 3-18s-25w Ness,KS FMR #2 DST # 3 Miss 2014.07.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 59006

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2014.07.09 @ 14:30:34

GENERAL INFORMATION:

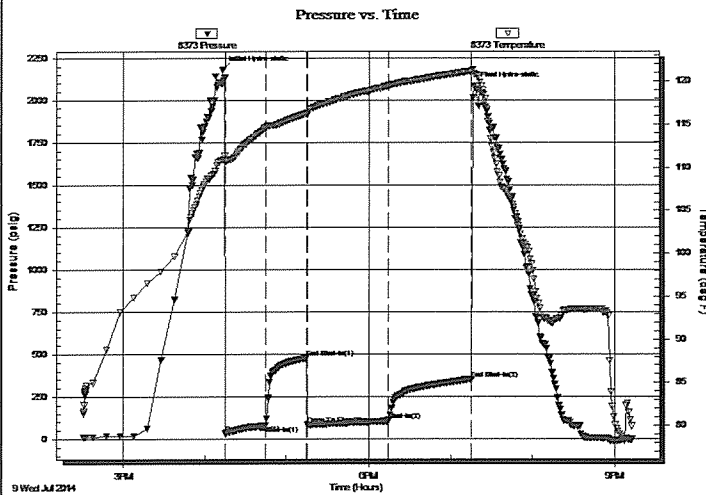
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:15:04
 Time Test Ended: 21:12:34
 Interval: **4330.00 ft (KB) To 4342.00 ft (KB) (TVD)**
 Total Depth: 4342.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Justin Harris
 Unit No: 60
 Reference Elevations: 2378.00 ft (KB)
 2373.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 106.15 psig @ 4331.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.09 End Date: 2014.07.09 Last Calib.: 2014.07.09
 Start Time: 14:30:39 End Time: 21:12:33 Time On Btm: 2014.07.09 @ 16:13:04
 Time Off Btm: 2014.07.09 @ 19:17:34

TEST COMMENT: IF: 1/4" blow built to 6" in 30 min.
 IS: No return.
 FF: Surface blow built to 6" in 60 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2181.00	110.88	Initial Hydro-static
2	35.93	110.74	Open To Flow (1)
32	78.64	114.64	Shut-In(1)
62	476.26	116.29	End Shut-In(1)
62	83.46	116.15	Open To Flow (2)
121	106.15	119.51	Shut-In(2)
183	353.72	121.20	End Shut-In(2)
185	2083.51	120.89	Final Hydro-static

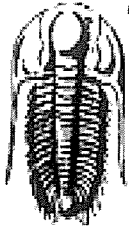
Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw 80%w 20%m	0.30
62.00	ocw m 10%o 10%w 80%m	0.33
124.00	go 20%g 80%o	1.74

* 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.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 59006

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2014.07.09 @ 14:30:34

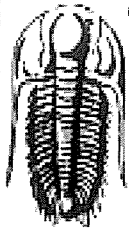
Tool Information

Drill Pipe:	Length: 4188.00 ft	Diameter: 3.80 inches	Volume: 58.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 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: 59.35 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4330.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4303.00	
Shut In Tool	5.00			4308.00	
Hydraulic tool	5.00			4313.00	
Jars	5.00			4318.00	
Safety Joint	3.00			4321.00	
Packer	5.00			4326.00	28.00 Bottom Of Top Packer
Packer	4.00			4330.00	
Stubb	1.00			4331.00	
Recorder	0.00	8373	Inside	4331.00	
Recorder	0.00	8356	Outside	4331.00	
Perforations	6.00			4337.00	
Bullnose	5.00			4342.00	12.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

3-18s-25w Ness,KS

4924 SE 84th St
New ton KS 67114

FMR #2

Job Ticket: 59006

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2014.07.09 @ 14:30:34

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: 13000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.79 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3300.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcw 80%w 20%m	0.305
62.00	ocw m 10%o 10%w 80%m	0.332
124.00	go 20%g 80%o	1.739

Total Length: 248.00 ft Total Volume: 2.376 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 39@90=36

.41@87=13000

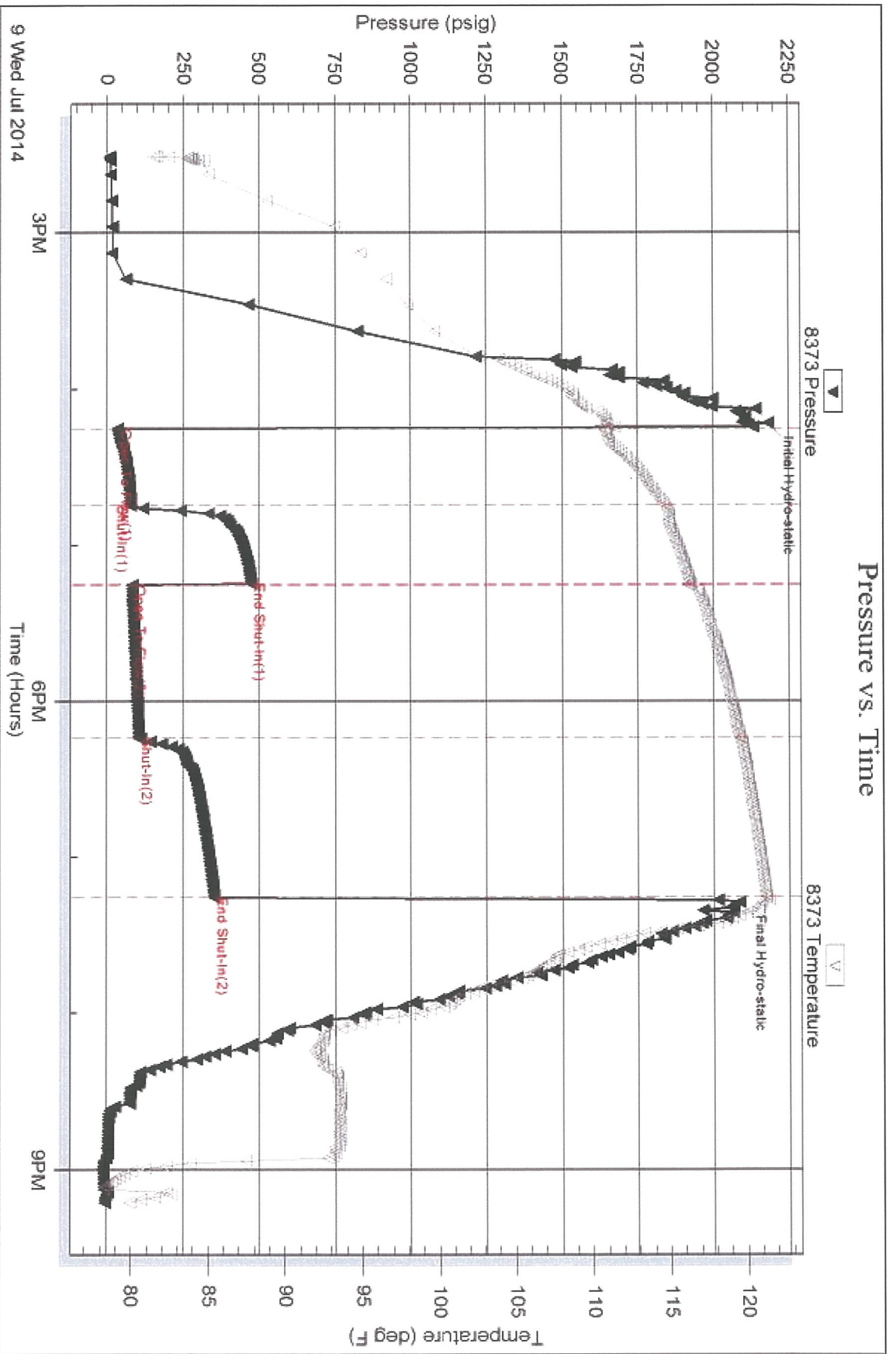
Serial #: 8373

Inside

Palomino Petroleum, Inc.

FMR#2

DST Test Number: 3



TriKoble Testing, Inc

Ref. No: 59006

Printed: 2014.07.10 @ 11:13:04

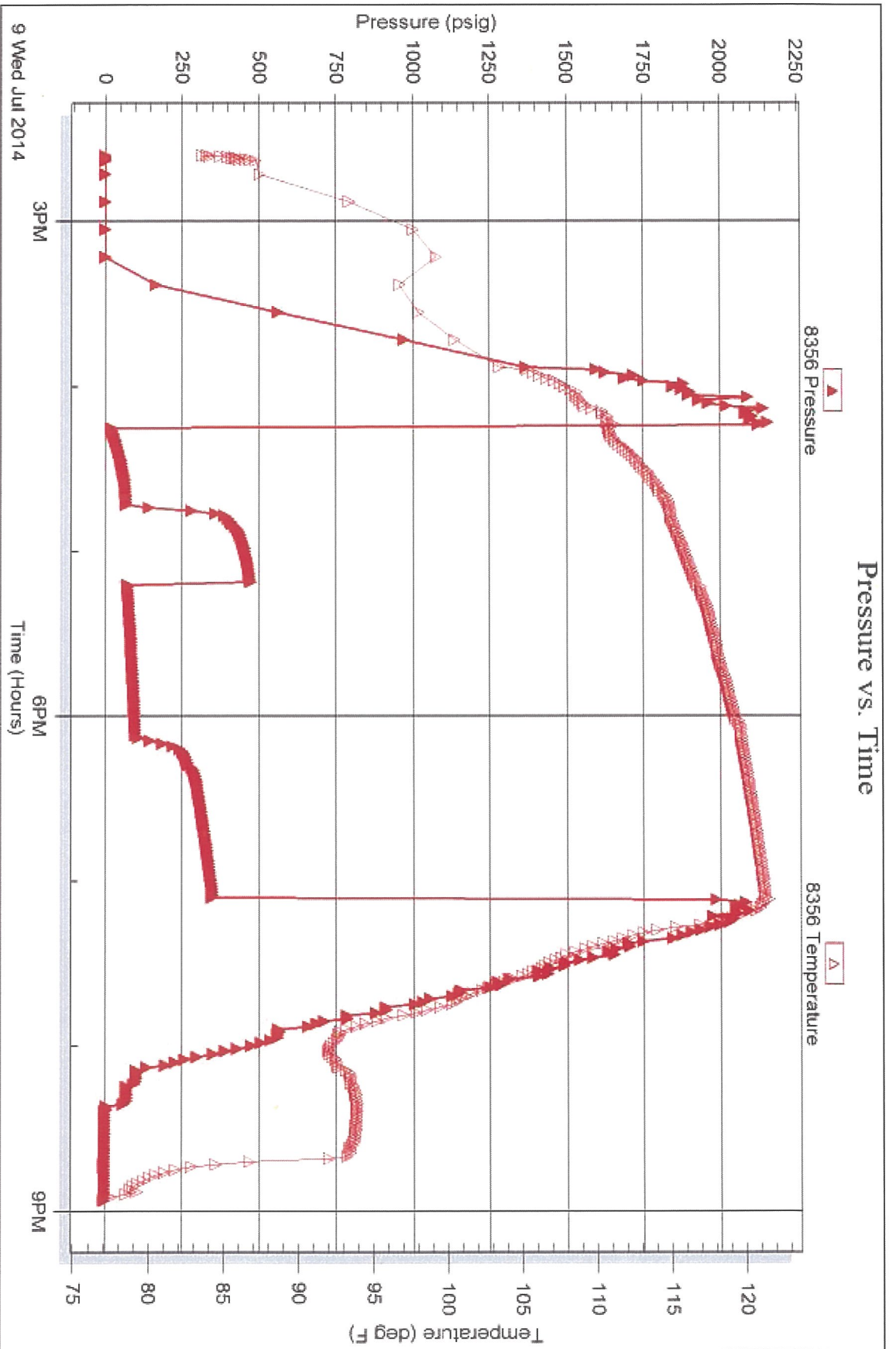
Serial #: 8356

Outside

Palomino Petroleum, Inc.

FWR #2

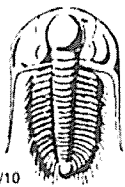
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 59006

Printed: 2014.07.10 @ 11:13.04



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56658

Well Name & No. FMR # 2 Test No. 1 Date 7-7-14 7:48 AM
 Company Palomino Petroleum, Inc. Elevation 2378 KB 2373 GL
 Address 4924 SE 84th St Newton KS, 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW # 8
 Location: Sec. 3 Twp. 18 S Rge. 25 W Co. Ness State KS

Interval Tested 4004 4135 Zone Tested Marmaton
 Anchor Length 131 Drill Pipe Run 3869 Mud Wt. 9.2
 Top Packer Depth 3999 Drill Collars Run 121 Vis 53
 Bottom Packer Depth 4004 Wt. Pipe Run 0 WL 6.8
 Total Depth 4135 Chlorides 3300 ppm System LCM 1/2 #

Blow Description 30 1/2 Blow
30 No Return
30 No Blow
30 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 116 Gravity - API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 1960 Test 1250 T-On Location 00:00
 (B) First Initial Flow 44 Jars 250 T-Started 00:40
 (C) First Final Flow 46 Safety Joint 75 T-Open 2:39
 (D) Initial Shut-In 429 Circ Sub N/C T-Pulled 4:39
 (E) Second Initial Flow 50 Hourly Standby _____ T-Out 6:43
 (F) Second Final Flow 48 Mileage 114 RT 170.50 Comments _____
 (G) Final Shut-In 299 Sampler _____
 (H) Final Hydrostatic 1831 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1745.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1745.50

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

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. 59005

Well Name & No. FMR #2 Test No. 1 Date 7-9-14
 Company Perdomino Petroleum Elevation 2378 KB 2373 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW#8
 Location: Sec. 3 Twp. 18S Rge. 25W Co. Ness State Ks

Interval Tested 4253 4332 Zone Tested M.55
 Anchor Length _____ Drill Pipe Run 4125 Mud Wt. 9.2
 Top Packer Depth _____ Drill Collars Run 121 Vis 57
 Bottom Packer Depth _____ Wt. Pipe Run _____ WL 6.8
 Total Depth 4332 Chlorides 3300 ppm System LCM 1

Blow Description IFI BoB in 3 min.
IS! surface blow built to 1/2 in 30 min.
FF: 1/4 blow built to 7 in 30 min.
FS! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Free oil</u>		<u>100</u>		
<u>164</u>	<u>ocm</u>		<u>40</u>		<u>60</u>
<u>124</u>	<u>MC90</u>	<u>20</u>	<u>40</u>		<u>40</u>
<u>62</u>	<u>MC90</u>	<u>20</u>	<u>60</u>		<u>20</u>
<u>62</u>	<u>62 GFP</u>				

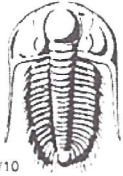
Rec Total 360 BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2163 Test 1250 T-On Location 1:30
 (B) First Initial Flow 128 Jars 250 T-Started 1:59
 (C) First Final Flow 159 Safety Joint 75 T-Open 4:05
 (D) Initial Shut-In 417 Circ Sub NIL T-Pulled 6:20
 (E) Second Initial Flow 169 Hourly Standby _____ T-Out 8:30
 (F) Second Final Flow 170 Mileage 110 - 170.50 Comments _____
 (G) Final Shut-In 267 Sampler _____
 (H) Final Hydrostatic 2679 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 15 Extra Packer _____ Sub Total 0
 Initial Shut-In 30 Extra Recorder _____ Total 1745.50
 Final Flow 30 Day Standby _____
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total 1745.50

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. 59006

Well Name & No. FMR #2 Test No. 2 Date 7-9-14
 Company Palomino Petroleum Elevation 2378 KB 2373 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW #8
 Location: Sec. 3 Twp. 18S Rge. 25W Co. NeSS State KS

Interval Tested 4330 4342 Zone Tested MISS
 Anchor Length 12 Drill Pipe Run 4198 Mud Wt. 9.2
 Top Packer Depth 4325 Drill Collars Run 121 Vis 57
 Bottom Packer Depth 4330 Wt. Pipe Run — WL 6.8
 Total Depth 4342 Chlorides 3300 ppm System LCM 1
 Blow Description IF: 1/4 blow built to 6 in 30 min.
IS: NO return.
FK: surface blow built to 6 in 60 min.
FS: NO return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>62</u>	<u>80CWM</u>		<u>10</u>	<u>10</u>	<u>80</u>
<u>62</u>	<u>MCW</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 248 BHT 121 Gravity 36 API RW .41 @ 87 ° F Chlorides 13,000 ppm
 (A) Initial Hydrostatic 2181 Test 1250 T-On Location 14:00
 (B) First Initial Flow 35 Jars 250 T-Started 14:30
 (C) First Final Flow 78 Safety Joint 75 T-Open 16:12
 (D) Initial Shut-In 476 Circ Sub N/C T-Pulled 19:12
 (E) Second Initial Flow 83 Hourly Standby _____ T-Out 21:15
 (F) Second Final Flow 106 Mileage 110 - 341 Comments _____
 (G) Final Shut-In 353 Sampler _____ loaded tools 7/10 am
 (H) Final Hydrostatic 2083 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Ruined Packer 320
 Initial Shut-In 30 Extra Copies _____
 Final Flow 60 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 2136
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1816

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.