KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1146436

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30742
Name: Palomino Petroleum, Inc.
Address 1: 4924 SE 84TH ST
Address 2:
City: NEWTON State: KS Zip: 67114 + 8827
Contact Person: K. Robert Watchous
Phone: (316) 799-1000
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Jerry Smith
Purchaser: None

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

04/17/2013	04/26/2013	04/26/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25578-00-00
Spot Description:
NW - NW - SE - NE Sec. 29 Twp. 19 S. R. 21 [ ] East [x] West
1584 Feet from [x] North / [ ] South Line of Section
1252 Feet from [x] East / [ ] West Line of Section

Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW

County: Ness
Lease Name: Rein Heirs Well #: 1
Field Name: Schaben
Producing Formation: None
Elevation: Ground: 2276 Kelly Bushing: 2283
Total Depth: 4515 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated

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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 08/01/2013

Side Two

1146436

Operator Name: Palomino Petroleum, Inc. Lease Name: Rein Heirs Well #: 1

Sec. 29 Twp. 19 S. R. 21 ☐ East ☑ West County: Ness

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Borehole Compensated Sonic, Compensated Density Neutron, Dual Induction,

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.2500	8.6250	23	220	Class A	150	2% gel, 3% c.c.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Rein Heirs 1
Doc ID	1146436

Tops

Name	Top	Datum
Anhy.	1496	(+ 787)
Base Anhy.	1530	(+ 753)
Heebner	3762	(-1479)
Lansing	3808	(-1525)
Pawnee	4231	(-1948)
Ft. Scott	4305	(-2022)
Cherokee	4323	(-2040)
Osage Por.	4418	(-2135)
LTD	4515	(-2232)

RECEIVED
MAY 0 4 2013

ALLIED OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 135947
Invoice Date: Apr 26, 2013
Page: 1

Now Includes:

Treat-Em-Rite Pressure Pumping Service, LLC

Bill To:

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

Customer ID	Field Ticket #	Payment Terms	
Palo	59097	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-03	Great Bend	Apr 26, 2013	5/26/13

Quantity	Item	Description	Unit Price	Amount
		Rein Heirs #1		
138.00	MAT	Class A Common	17.90	2,470.20
92.00	MAT	Pozmix	9.35	860.20
8.00	MAT	Gel	23.40	187.20
58.00	MAT	Flo Seal	2.97	172.26
247.19	SER	Cubic Feet	2.48	613.03
123.72	SER	Ton Mileage	2.60	321.95
1.00	SER	Plug to Abandon	2,249.84	2,249.84
12.00	SER	Pump Truck Mileage	7.70	92.40
12.00	SER	Light Vehicle Mileage	4.40	52.80
1.00	CEMENTER	Wayne Davis		
1.00	EQUIP OPER	Joshua Isaac		
1.00	OPER ASSIST	Marlyn Spangenberg		

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

$ 1,754.97

ONLY IF PAID ON OR BEFORE
May 21, 2013

Subtotal	7,019.88
Sales Tax	442.25
Total Invoice Amount	7,462.13
Payment/Credit Applied	
TOTAL	**7,462.13**

ALLIED OIL & GAS SERVICES, LLC 059097

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Great Bend

DATE 4-26-13	SEC. 29	TWP. 19S	RANGE 21W	CALLED OUT	ON LOCATION	JOB START 330 AM	JOB FINISH 430 AM
LEASE Reiss Heirs	WELL # 1		LOCATION Bazine 5 South 2 East			COUNTY Ness	STATE KS
OLD OR NEW (Circle one)			1/4 South West into				

CONTRACTOR Pickrell
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 4515
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 1500
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 10 BBLS H2O 12 mud

OWNER Palomino

CEMENT
AMOUNT ORDERED 230 SX 60/40 4% + 1/4 Flosal

COMMON	138	@ 17.90	2.470.20
POZMIX	92	@ 9.35	860.20
GEL	8	@ 23.40	187.20
CHLORIDE		@	
ASC		@	
Flosal	58	@ 2.97	172.26
HANDLING	247.19	@ 2.48	613.03
MILEAGE	10.31 X 12 X	2.60	321.93

TOTAL 4.624.81

EQUIPMENT

PUMP TRUCK # 398 CEMENTER Wayne Dean
HELPER Josh Isaac
BULK TRUCK #1009 DRIVER Marlin Stauffenberg
BULK TRUCK # DRIVER

REMARKS:
1st Plug 1500 mix 50SX
2nd Plug 720 mix 80SX
3rd Plug 240 mix 50SX
4th Plug 60 mix 20SX
Rat Hole mix 30SX

SERVICE

DEPTH OF JOB	1500		
PUMP TRUCK CHARGE			2249.84
EXTRA FOOTAGE		@	
MILEAGE	Hum 12	@ 7.70	92.40
MANIFOLD		@	
	Hum 12	@ 4.40	52.80

TOTAL 2.395.04

CHARGE TO: Palomino
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 7.019.88
DISCOUNT 1.754.72 IF PAID IN 30 DAYS
5.264.91

PRINTED NAME Mike Kern
SIGNATURE Mike Kern

RECEIVED
APR 2 9 2013

ALLIED OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 135834
Invoice Date: Apr 14, 2013
Page: 1

Now Includes:

Treat-Em-Rite Pressure Pumping Service, LLC

Bill To:

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

Customer ID	Field Ticket #	Payment Terms	
Palo	59337	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-01	Great Bend	Apr 12, 2013	5/14/13

Quantity	Item	Description	Unit Price	Amount
		Rein-Heirs #1		
150.00	MAT	Class A Common	17.90	2,685.00
3.00	MAT	Gel	23.40	70.20
5.00	MAT	Chloride	64.00	320.00
162.09	SER	Cubic Feet	2.48	401.98
88.80	SER	Ton Mileage	2.60	230.88
1.00	SER	Surface	1,512.25	1,512.25
12.00	SER	Pump Truck Mileage	7.70	92.40
12.00	SER	Light Vehicle Mileage	4.40	52.80
1.00	CEMENTER	Dustin Chambers		
1.00	OPER ASSIST	Charles Kinyon		
1.00	OPER ASSIST	Kevin Weighous		

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

$ 1,341.37

ONLY IF PAID ON OR BEFORE

May 9, 2013

Subtotal	5,365.51
Sales Tax	193.74
Total Invoice Amount	5,559.25
Payment/Credit Applied	
TOTAL	**5,559.25**

ALLIED OIL & GAS SERVICES, LLC 059337

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Great Bend, KS

DATE 4-17-13	SEC. 29	TWP. 19s	RANGE 21w	CALLED OUT	ON LOCATION	JOB START 6:30 AM	JOB FINISH 9:30 AM
LEASE Rein-Heirs	WELL # 1		LOCATION Bazine 5 to 4 Rd 2E 1/4 S into			COUNTY Ness	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Pickrell Drilling #10
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D.
CASING SIZE 8 5/8 DEPTH 220.63
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15 Ft
PERFS.
DISPLACEMENT 13.09 bbls Freshwater

OWNER

CEMENT
AMOUNT ORDERED 150 sks Class A 3% cc 2% gel

COMMON	150	@ 17.90	2685.00
POZMIX		@	
GEL	3	@ 23.40	70.20
CHLORIDE	5	@ 64.00	320.00
ASC		@	
HANDLING	162.09	@ 2.48	401.88
MILEAGE	7.4¢ / 12¢	2.60	230.88

TOTAL 3,708.08

EQUIPMENT

PUMP TRUCK # 606 CEMENTER Justin Chambers
HELPER Charles Kinyon
BULK TRUCK # 610-241 DRIVER Kevin Wierghows
BULK TRUCK # DRIVER

REMARKS:
Break circulation with Rig pump
Pump 5 bbls Freshwater Ahead
Mix 150 sks class A 3% cc 2% gel
Displace 13.09 bbls Freshwater shut in
cement did circulate
Plug Down 9:00 AM
Rig Down

SERVICE

DEPTH OF JOB	220		
PUMP TRUCK CHARGE		1512.35	
EXTRA FOOTAGE		@	
MILEAGE	Hum 12	@ 7.70	92.40
MANIFOLD		@	
	Hum 12	@ 4.40	52.80

TOTAL 1,657.45

CHARGE TO: Palomino 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 5,365.51
DISCOUNT 1,341.32 IF PAID IN 30 DAYS
4,024.13

PRINTED NAME X Mike Renn

SIGNATURE X Mike Renn

Thank You!!

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Palomino Petroleum Inc
4924 SE 84TH ST
New ton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53651 **DST#: 1**

Test Start: 2013.04.23 @ 23:00:14

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:46:14
Time Test Ended: 08:42:14

Test Type: Conventional Bottom Hole (Initial)
Tester: Jeff Brown
Unit No: 67

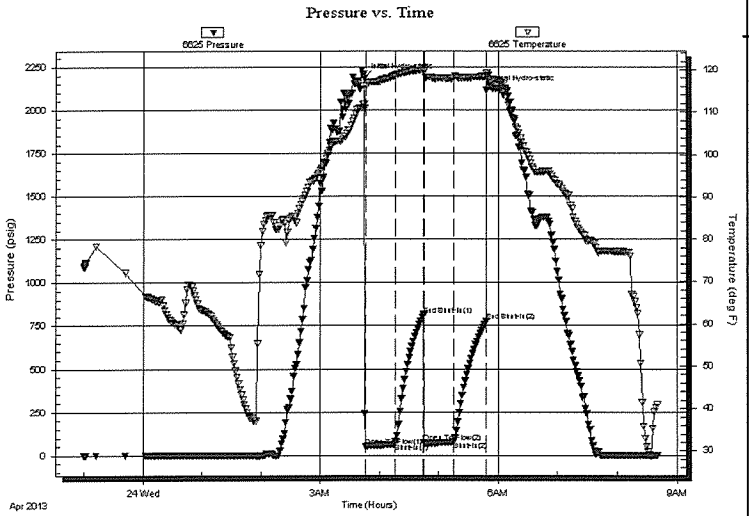
Interval: 4419.00 ft (KB) To 4428.00 ft (KB) (TVD)
Total Depth: 4428.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2283.00 ft (KB)
2276.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6625 **Outside**

Press@RunDepth:	77.88 psig @	4420.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.04.23	End Date:	2013.04.24	Last Calib.:	2013.04.24
Start Time:	23:00:15	End Time:	08:41:14	Time On Btm:	2013.04.24 @ 03:44:14
				Time Off Btm:	2013.04.24 @ 05:48:14

TEST COMMENT: IFP=Good blow BOB in 6 1/2 min
ISI=Dead no blow back
FFP=Fair blow built to 6 1/2 in
FSI=Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.64	112.02	Initial Hydro-static
2	52.19	116.33	Open To Flow (1)
32	68.96	118.74	Shut-In(1)
61	814.39	120.04	End Shut-In(1)
61	73.69	119.72	Open To Flow (2)
91	77.88	118.06	Shut-In(2)
124	774.11	118.59	End Shut-In(2)
124	2116.94	119.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCGM 10%G 10%O 80%M	0.88
84.00	HOCM 40%O 60%M	1.18
10.00	Gassy Oil 5%G 95%O	0.14
0.00	94-GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Palomino Petroleum Inc
4924 SE 84TH ST
New ton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53651 **DST#: 1**

Test Start: 2013.04.23 @ 23:00:14

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:46:14
Time Test Ended: 08:42:14

Test Type: Conventional Bottom Hole (Initial)
Tester: Jeff Brow n
Unit No: 67

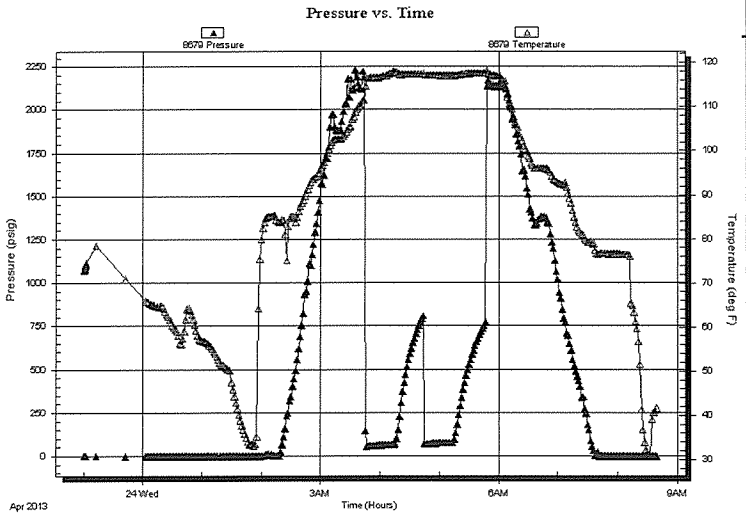
Interval: 4419.00 ft (KB) To 4428.00 ft (KB) (TVD)
Total Depth: 4428.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2283.00 ft (KB)
2276.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8679 **Inside**

Press@RunDepth:	psig @	4420.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.04.23	End Date:	2013.04.24	Last Calib.:	2013.04.24
Start Time:	23:00:42	End Time:	08:40:11	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IFP=Good blow BOB in 6 1/2 min
ISI=Dead no blow back
FFP=Fair blow built to 6 1/2 in
FSI=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCGM 10%G 10%O 80%M	0.88
84.00	HOCM 40%O 60%M	1.18
10.00	Gassy Oil 5%G 95%O	0.14
0.00	94-GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

Palomino Petroleum Inc
4924 SE 84TH ST
New ton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53651 **DST#: 1**

Test Start: 2013.04.23 @ 23:00:14

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	40 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	12.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

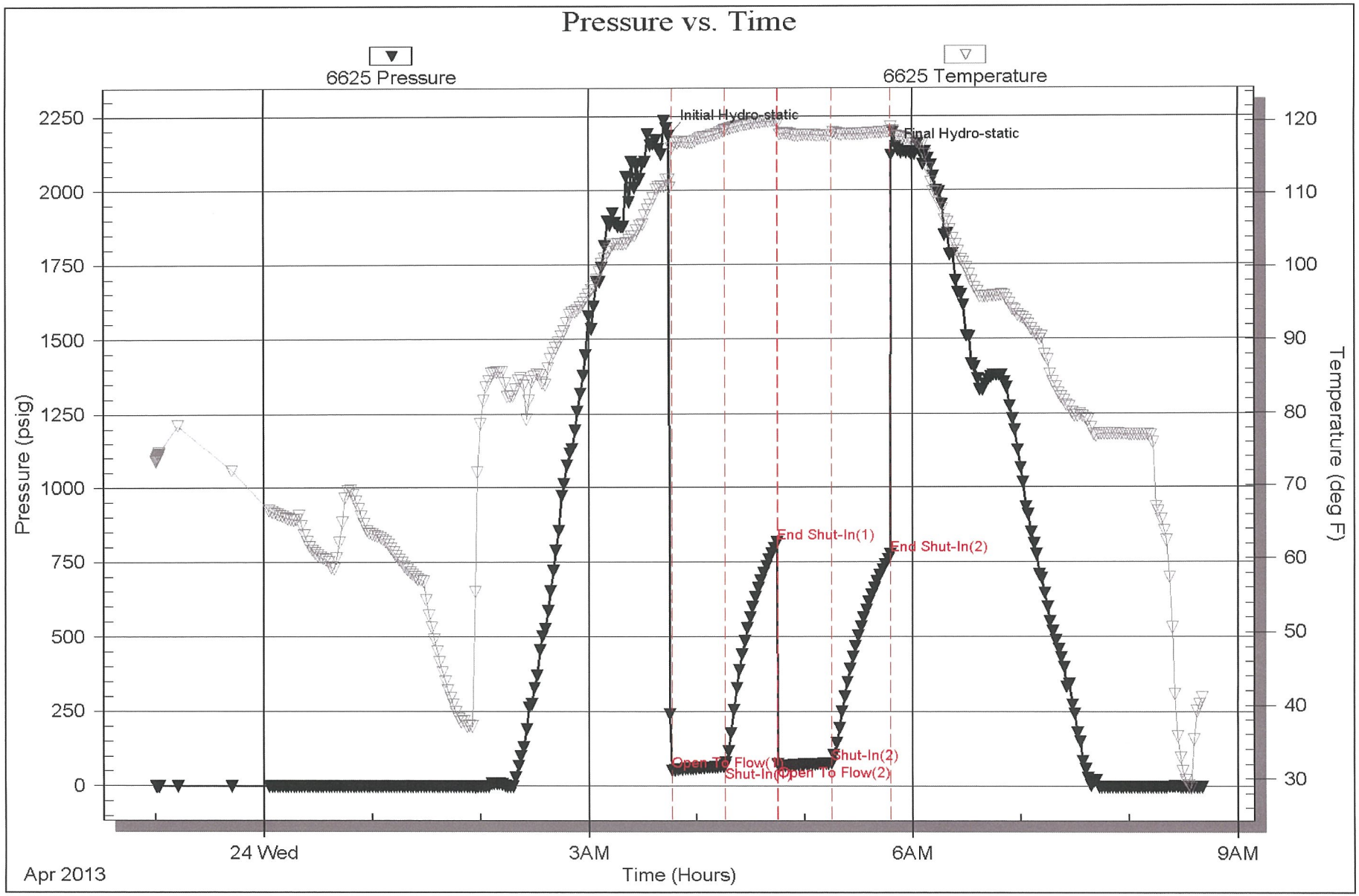
Length ft	Description	Volume bbl
63.00	OCGM 10%G 10%O 80%M	0.884
84.00	HOCM 40%O 60%M	1.178
10.00	Gassy Oil 5%G 95%O	0.140
0.00	94-GIP	0.000

Total Length: 157.00 ft Total Volume: 2.202 bbl

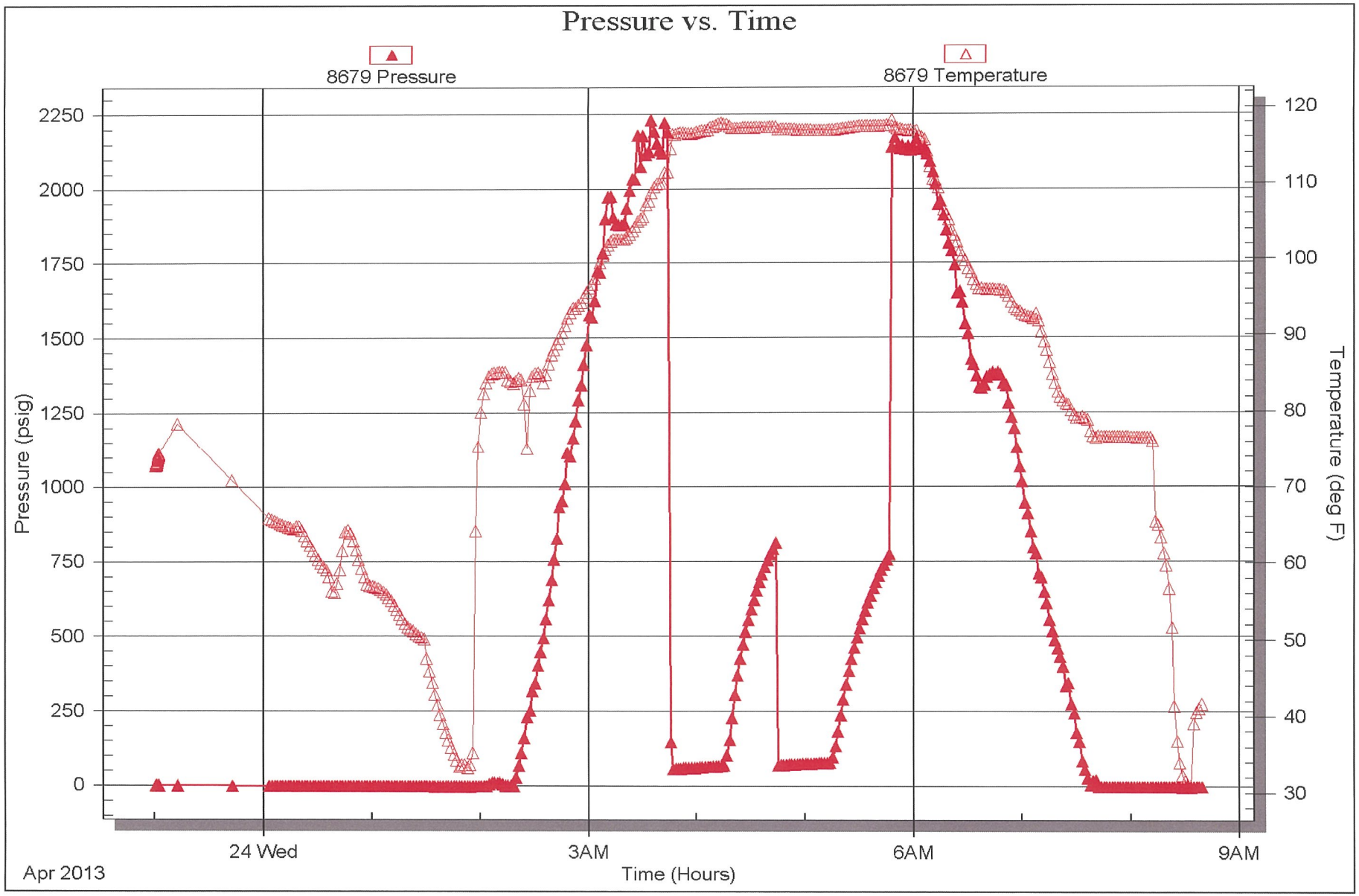
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6625 Pressure
6625 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
30
24 Wed
3AM
6AM
9AM
Apr 2013
Time (Hours)

Serial #: 8679 **Inside** Palomino Petroleum Inc Rein Heirs #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53651 Printed: 2013.04.24 @ 09:06:51

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Palomino Petroleum Inc
4924 SE 84TH ST
New ton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53652 **DST#: 2**

Test Start: 2013.04.24 @ 22:59:23

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:02:53
Time Test Ended: 06:51:53

Test Type: Conventional Bottom Hole (Reset)
Tester: Jeff Brow n
Unit No: 67

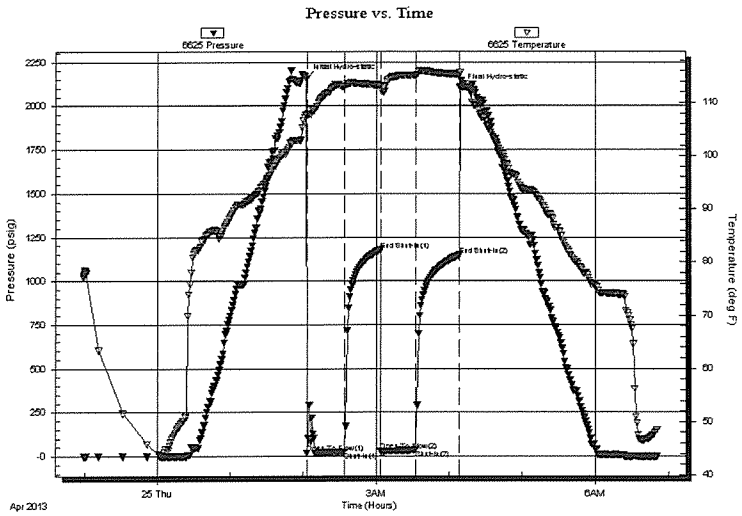
Interval: 4428.00 ft (KB) To 4436.00 ft (KB) (TVD)
Total Depth: 4436.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2283.00 ft (KB)
2276.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6625 **Outside**

Press@RunDepth:	35.01 psig @	4429.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.04.24	End Date:	2013.04.25	Last Calib.:	2013.04.25
Start Time:	22:59:24	End Time:	06:49:53	Time On Btm:	2013.04.25 @ 02:02:23
				Time Off Btm:	2013.04.25 @ 04:08:53

TEST COMMENT: IFP=Fair blow built to 4 in
ISI=Weak surface blow back
FFP=Weak blow built to 2 in
FSI=Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.55	107.70	Initial Hydro-static
1	19.97	107.56	Open To Flow (1)
32	25.34	113.11	Shut-In(1)
61	1175.36	113.25	End Shut-In(1)
62	26.85	113.01	Open To Flow (2)
91	35.01	115.11	Shut-In(2)
126	1147.41	115.30	End Shut-In(2)
127	2101.80	115.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	VSOCMW 2%O 40%M 58%W	0.21
0.00	142-GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Palomino Petroleum Inc
4924 SE 84TH ST
Newton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53652 **DST#: 2**

Test Start: 2013.04.24 @ 22:59:23

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:02:53
Time Test Ended: 06:51:53

Test Type: Conventional Bottom Hole (Reset)
Tester: Jeff Brown
Unit No: 67

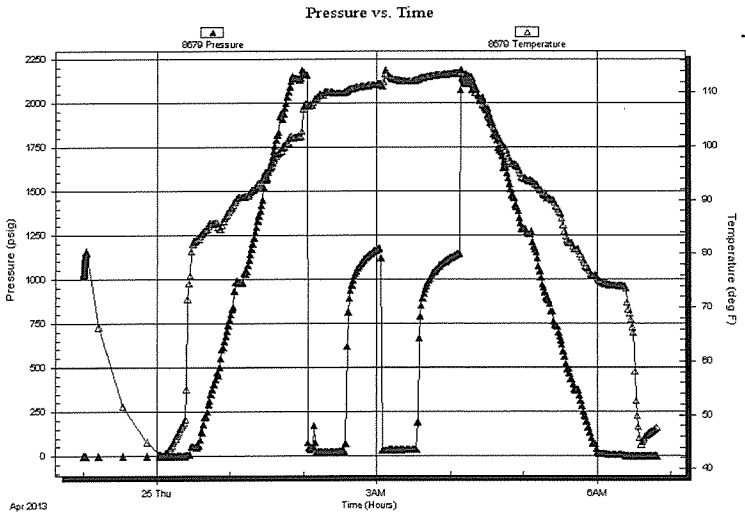
Interval: 4428.00 ft (KB) To 4436.00 ft (KB) (TVD)
Total Depth: 4436.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2283.00 ft (KB)
2276.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8679 **Inside**

Press@RunDepth:	psig @	4429.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.04.24	End Date:	2013.04.25	Last Calib.:	2013.04.25
Start Time:	22:59:59	End Time:	06:48:58	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IFP=Fair blow built to 4 in
ISI=Weak surface blow back
FFP=Weak blow built to 2 in
FSI=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	VSOCMW 2%O 40%M 58%W	0.21
0.00	142-GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

Palomino Petroleum Inc
4924 SE 84TH ST
New ton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53652 **DST#: 2**

Test Start: 2013.04.24 @ 22:59:23

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	15.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

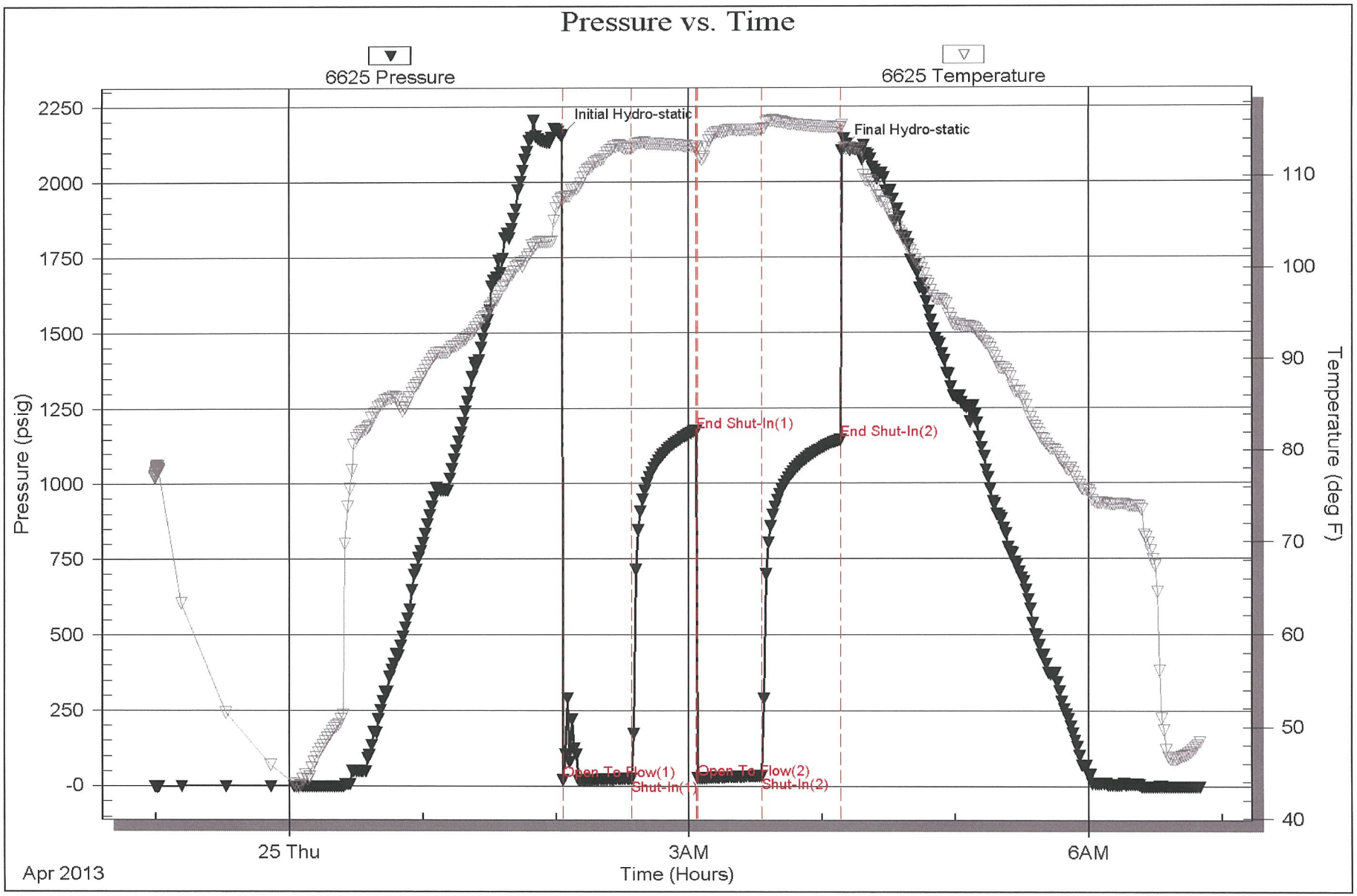
Length ft	Description	Volume bbl
15.00	VSOCMW 2%O 40%M 58%W	0.210
0.00	142-GIP	0.000

Total Length: 15.00 ft Total Volume: 0.210 bbl

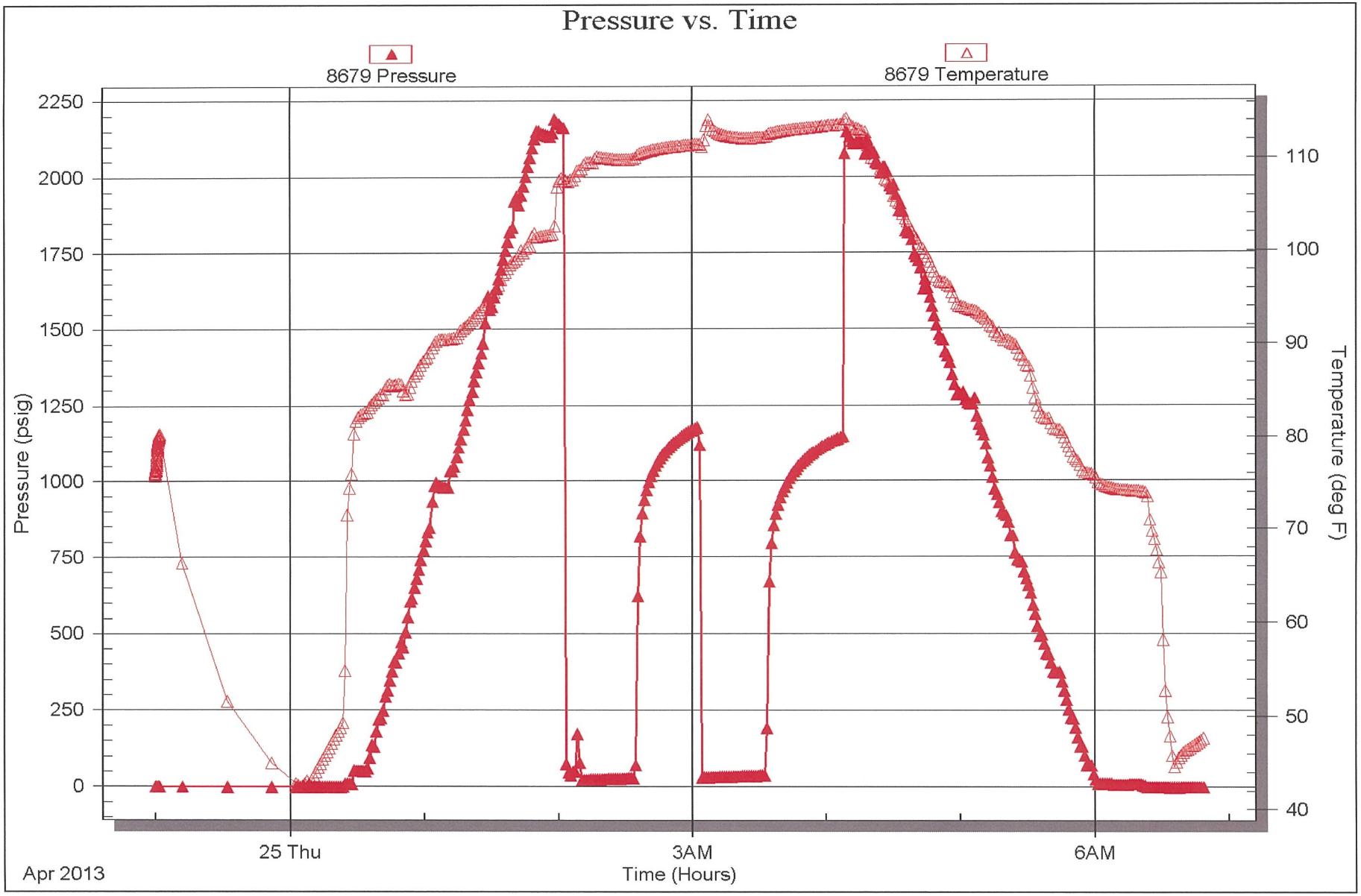
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6625 Pressure
6625 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
2250
2000
1750
1500
1250
1000
750
500
250
-0
Temperature (deg F)
110
100
90
80
70
60
50
40
25 Thu
3AM
6AM
Apr 2013
Time (Hours)

Serial #: 8679 **Inside** Palomino Petroleum Inc Rein Heirs #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 53652 Printed: 2013.04.25 @ 10:07:08

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Palomino Petroleum Inc
4924 SE 84TH ST
Newton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53653 **DST#: 3**

Test Start: 2013.04.26 @ 06:18:09

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:55:39
Time Test Ended: 14:00:09

Test Type: Conventional Straddle (Reset)
Tester: Jeff Brown
Unit No: 67

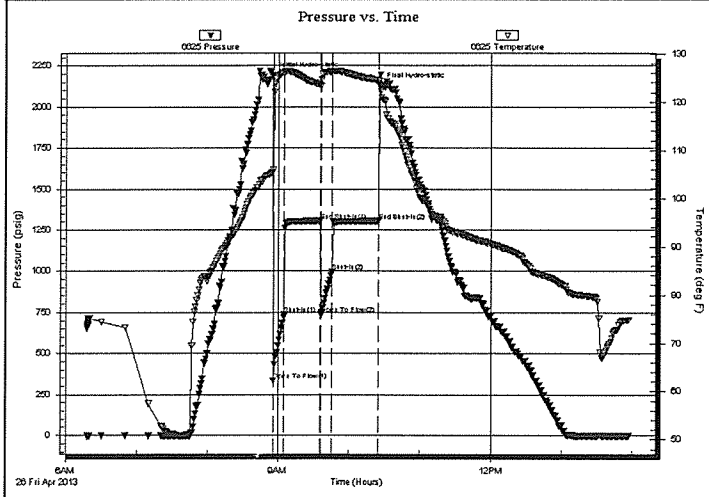
Interval: 4446.00 ft (KB) To 4458.00 ft (KB) (TVD)
Total Depth: 4515.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2283.00 ft (KB)
2276.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6625 **Inside**

Press@RunDepth:	995.03 psig @	4449.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.04.26	End Date:	2013.04.26	Last Calib.:	2013.04.26
Start Time:	06:18:10	End Time:	13:57:09	Time On Btm:	2013.04.26 @ 08:55:09
				Time Off Btm:	2013.04.26 @ 10:25:39

TEST COMMENT: IFP=Strong blow BOB in 30 sec
ISI=Weak surface blow back built to 1/4 in
FFP=Strong blow BOB in 30 sec
FSI=Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.55	105.38	Initial Hydro-static
1	335.25	106.04	Open To Flow (1)
10	735.62	126.12	Shut-In(1)
41	1304.48	123.56	End Shut-In(1)
41	735.01	123.27	Open To Flow (2)
51	995.03	126.33	Shut-In(2)
90	1304.16	124.46	End Shut-In(2)
91	2126.33	124.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1953.00	Water	27.40
111.00	GWM 5%G 20%W 75%M	1.56

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Palomino Petroleum Inc
4924 SE 84TH ST
Newton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53653 **DST#: 3**

Test Start: 2013.04.26 @ 06:18:09

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:55:39
Time Test Ended: 14:00:09

Test Type: Conventional Straddle (Reset)
Tester: Jeff Brown
Unit No: 67

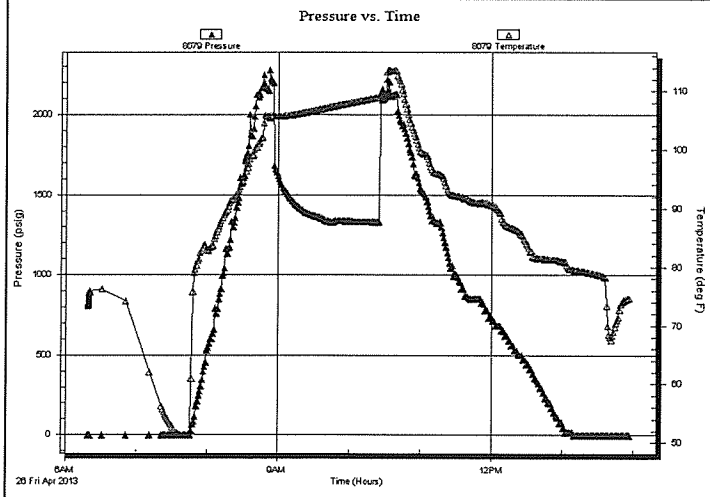
Interval: 4446.00 ft (KB) To 4458.00 ft (KB) (TVD)
Total Depth: 4515.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2283.00 ft (KB)
2276.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8679 **Below (Straddle)**

Press@RunDepth:	psig @	4479.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.04.26	End Date:	2013.04.26	Last Calib.:	2013.04.26
Start Time:	06:18:58	End Time:	13:56:27	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IFP=Strong blow BOB in 30 sec
ISI=Weak surface blow back built to 1/4 in
FFP=Strong blow BOB in 30 sec
FSI=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1953.00	Water	27.40
111.00	GWM 5%G 20%W 75%M	1.56

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Palomino Petroleum Inc
4924 SE 84TH ST
Newton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53653 **DST#: 3**

Test Start: 2013.04.26 @ 06:18:09

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:55:39
Time Test Ended: 14:00:09

Test Type: Conventional Straddle (Reset)
Tester: Jeff Brown
Unit No: 67

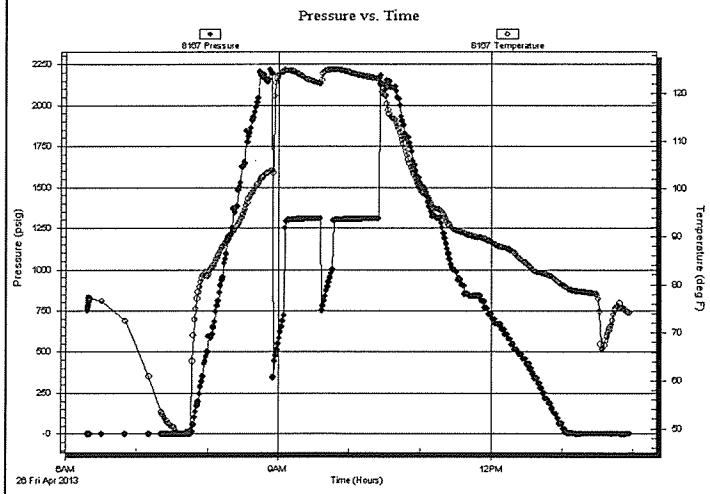
Interval: 4446.00 ft (KB) To 4458.00 ft (KB) (TVD)
Total Depth: 4515.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2283.00 ft (KB)
2276.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8167 **Outside**

Press@RunDepth:	psig @	4449.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.04.26	End Date:	2013.04.26	Last Calib.:	2013.04.26
Start Time:	06:18:23	End Time:	13:57:22	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IFP=Strong blow BOB in 30 sec
ISI=Weak surface blow back built to 1/4 in
FFP=Strong blow BOB in 30 sec
FSI=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1953.00	Water	27.40
111.00	GWM 5%G 20%W 75%M	1.56

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

Palomino Petroleum Inc
4924 SE 84TH ST
Newton Ks 67114 + 8827

ATTN: Jerry A Smith

29-19S-21W

Rein Heirs #1

Job Ticket: 53653 **DST#: 3**

Test Start: 2013.04.26 @ 06:18:09

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8500.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

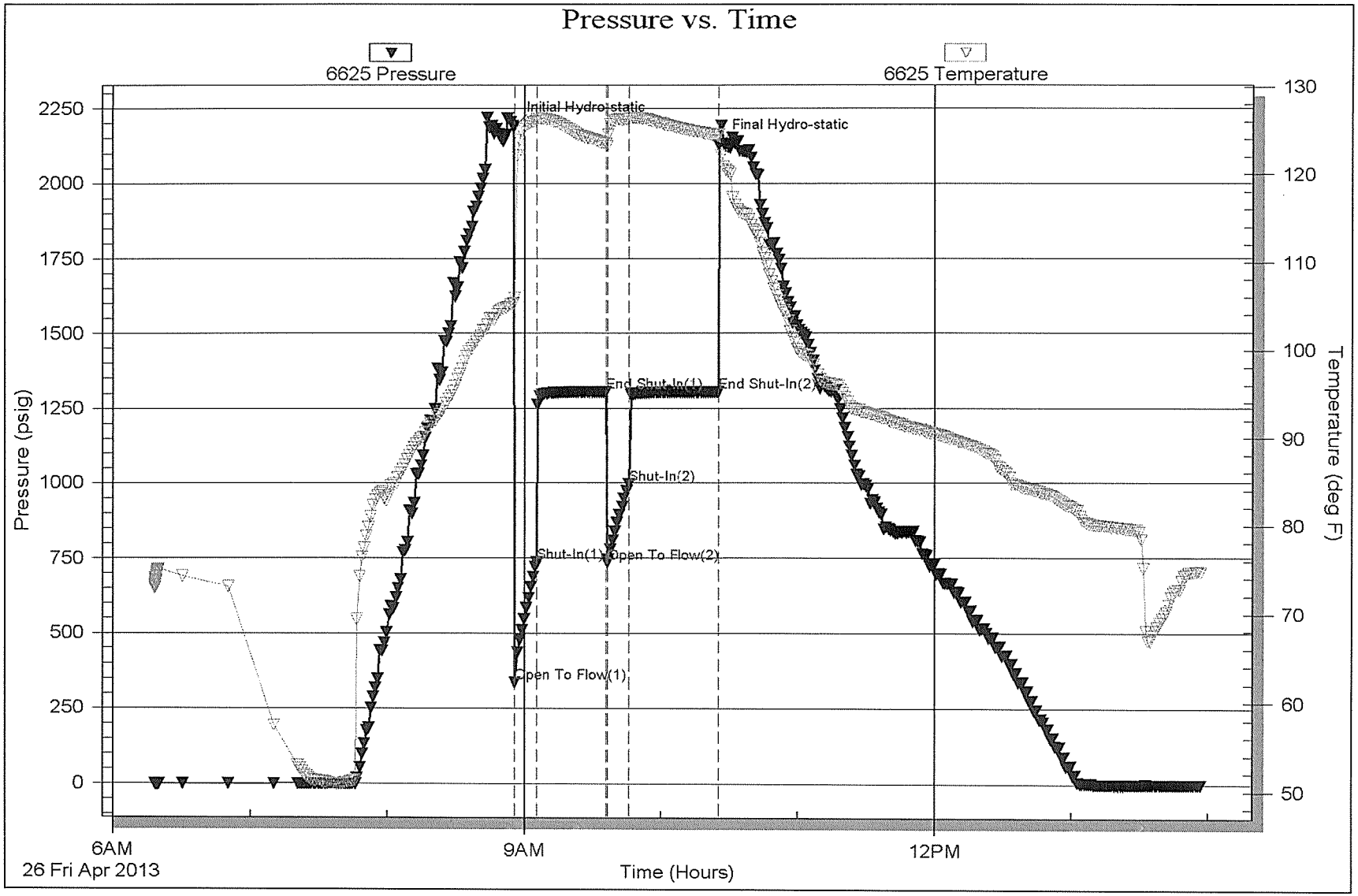
Length ft	Description	Volume bbl
1953.00	Water	27.395
111.00	GWM 5%G 20%W 75%M	1.557

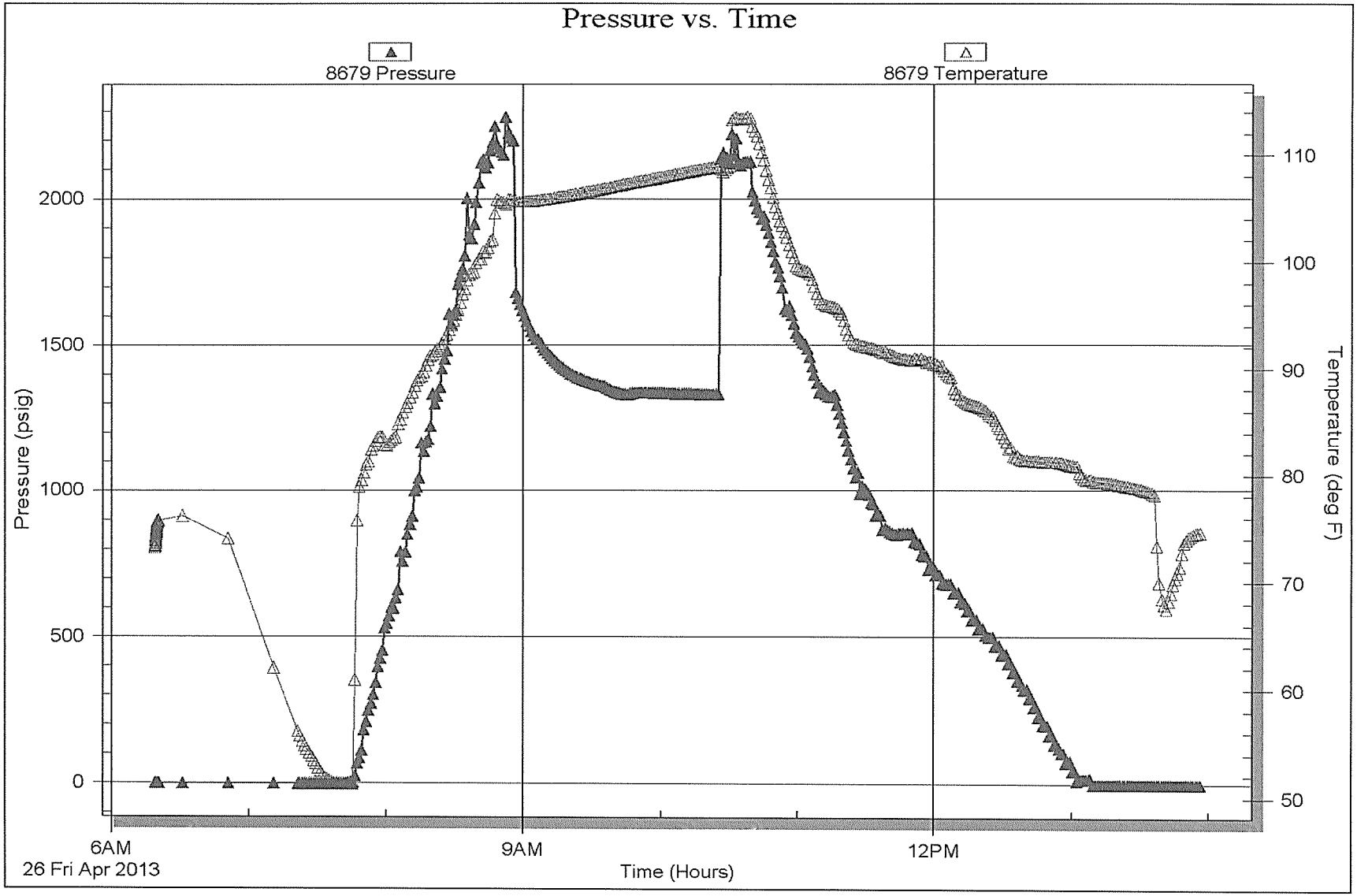
Total Length: 2064.00 ft Total Volume: 28.952 bbl

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

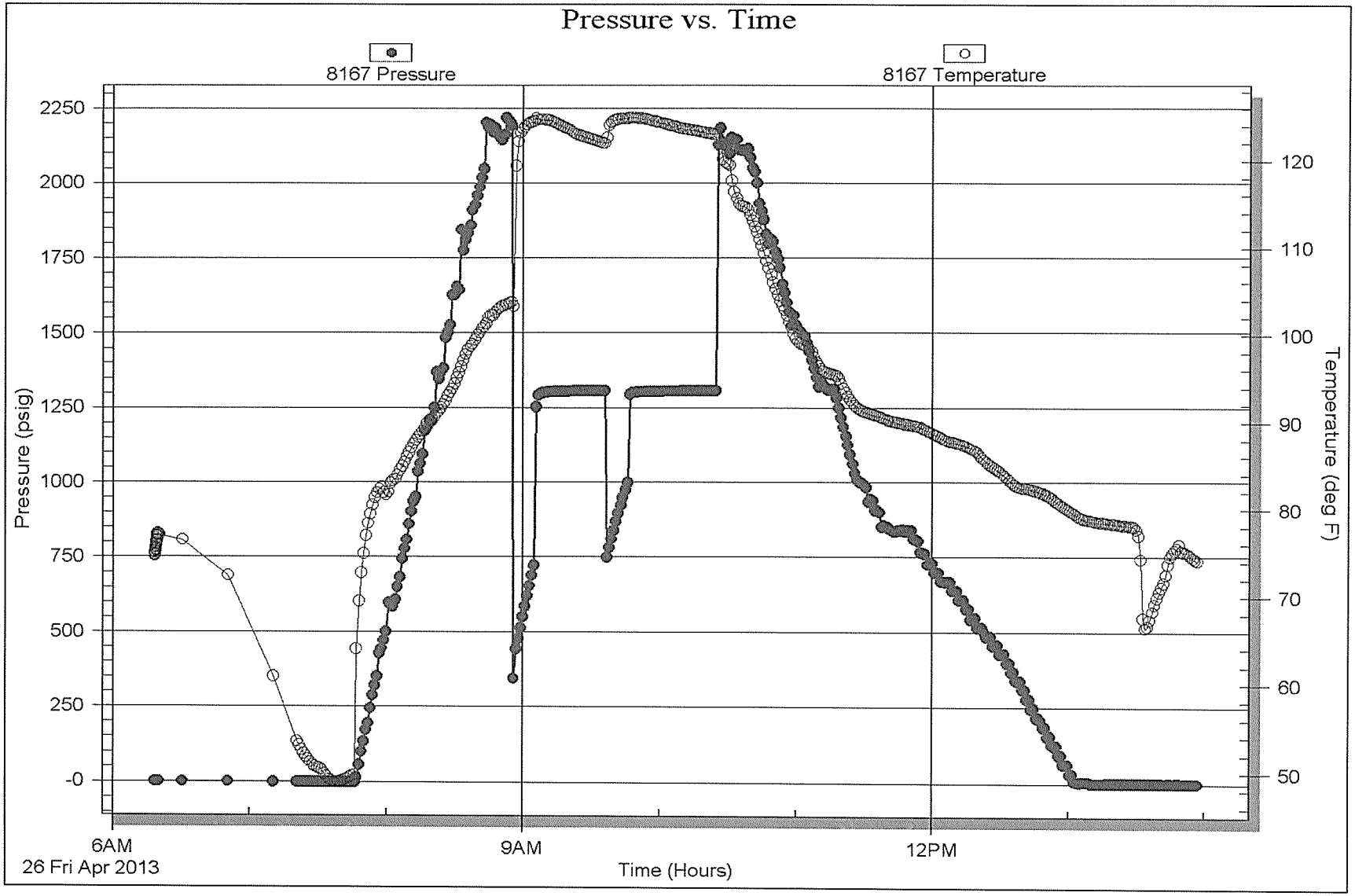
Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6625 Pressure
6625 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
Pressure (psig)
2250
2000
1750
1500
1250
1000
750
500
250
0
Temperature (deg F)
130
120
110
100
90
80
70
60
50
6AM
26 Fri Apr 2013
9AM
12PM
Time (Hours)


Pressure vs. Time
8679 Pressure
8679 Temperature
Pressure (psig)
2000
1500
1000
500
0
Temperature (deg F)
110
100
90
80
70
60
50
6AM
26 Fri Apr 2013
9AM
12PM
Time (Hours)

Serial #: 8167 **Outside** Palomino Petroleum Inc Rein Heirs #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 53653 Printed: 2013.04.26 @ 14:39:35