



KANSAS CORPORATION COMMISSION 1088914
OIL & GAS CONSERVATION DIVISION

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 # _____

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



1088914

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

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

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|---|---|

| 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 |
| _____ 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 <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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|---|---|--|

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Palomino Petroleum, Inc. |
| Well Name | Atwell 'TM' 1 |
| Doc ID | 1088914 |

Tops

| Name | Top | Datum |
|--------------|------|---------|
| Anhy. | 1995 | (+608) |
| Base Anhy. | 2925 | (+578) |
| Topeka | 3603 | (-1000) |
| Heebner | 3857 | (-1254) |
| Toronto | 3879 | (-1276) |
| Lansing | 3902 | (-1299) |
| BKC | 3234 | (-1631) |
| Marmaton | 4257 | (-1654) |
| Pawnee | 4366 | (-1763) |
| Ft. Scott | 4420 | (-1817) |
| Cherokee Sh. | 4442 | (-1839) |
| Cherokee Sd. | 4496 | (-1893) |
| Miss. | 4519 | (-1916) |
| LTD | 4559 | (-1956) |



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 131300
Invoice Date: May 24, 2012
Page: 1

RECEIVED
JUN 02 2012



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

| Customer ID | Well Name# or Customer P.O. | Payment Terms | |
|--------------|-----------------------------|---------------|----------|
| Palo | Atwell#1 | Net 30 Days | |
| Job Location | Camp Location | Service Date | Due Date |
| KS1-03 | Great Bend | May 24, 2012 | 6/23/12 |

| Quantity | Item | Description | Unit Price | Amount |
|----------|------------|-----------------------|------------|----------|
| 168.00 | MAT | Class A Common | 16.25 | 2,730.00 |
| 112.00 | MAT | Pozmix | 8.50 | 952.00 |
| 10.00 | MAT | Gel | 21.25 | 212.50 |
| 70.00 | MAT | FloSeal | 2.70 | 189.00 |
| 301.00 | SER | Handling | 2.10 | 632.10 |
| 40.00 | SER | Ton Miles | 29.54 | 1,181.58 |
| 1.00 | SER | Rotary Plug | 1,250.00 | 1,250.00 |
| 40.00 | SER | Heavy Vehicle Mileage | 7.00 | 280.00 |
| 40.00 | SER | Light Vehicle Mileage | 4.00 | 160.00 |
| 1.00 | EQUIP OPER | Dustin Chambers | | |
| 1.00 | EQUIP OPER | Woody O'Neil | | |
| 1.00 | EQUIP OPER | Joel Monahan | | |

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

\$ 1896.79

ONLY IF PAID ON OR BEFORE
Jun 18, 2012

| | |
|------------------------|-----------------|
| Subtotal | 7,587.18 |
| Sales Tax | 477.99 |
| Total Invoice Amount | 8,065.17 |
| Payment/Credit Applied | |
| TOTAL | 8,065.17 |

ALLIED OIL & GAS SERVICES, LLC 053619

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend, KS

| | | | | | | | |
|----------------------------------|----------------|-----------------|------------------------------------|------------|--------------------|---------------------|------------|
| DATE <u>5-24-12</u> | SEC. <u>23</u> | TWP. <u>17s</u> | RANGE <u>27W</u> | CALLED OUT | ON LOCATION | JOB START | JOB FINISH |
| LEASE <u>Arnold Well # 1</u> | | | LOCATION <u>K47 SCOUT RD 6S 2E</u> | | COUNTY <u>Lane</u> | STATE <u>Kansas</u> | |
| OLD OR <u>(NEW)</u> (Circle one) | | | <u>ELATED</u> | | | | |

| | |
|---------------------------------|---------------------------------|
| CONTRACTOR <u>W W Drilling</u> | |
| TYPE OF JOB <u>Rotary Plug</u> | |
| HOLE SIZE <u>12 1/4</u> | T.D. |
| CASING SIZE <u>8 5/8</u> | DEPTH |
| TUBING SIZE | DEPTH |
| DRILL PIPE <u>4 1/2</u> | DEPTH <u>2010</u> |
| TOOL | DEPTH |
| PRES. MAX | MINIMUM |
| MEAS. LINE | SHOE JOINT |
| CEMENT LEFT IN CSG. <u>All</u> | |
| PERFS. | |
| DISPLACEMENT <u>Fresh water</u> | |
| EQUIPMENT | |
| PUMP TRUCK | CEMENTER <u>Dustin C</u> |
| # <u>417</u> | HELPER <u>Woody E Russell J</u> |
| BULK TRUCK | |
| # <u>344-170</u> | DRIVER <u>Joel M</u> |
| BULK TRUCK | |
| # | DRIVER |

| | |
|---|-------------------------------|
| OWNER | |
| CEMENT | |
| AMOUNT ORDERED <u>250 sks 60% class A</u> | |
| <u>40% pos 4 1/2 gal 4 1/2 flo seal</u> | |
| COMMON <u>168</u> | @ <u>16.25</u> <u>2730.00</u> |
| POZMIX <u>112</u> | @ <u>8.50</u> <u>952.00</u> |
| GEL <u>10</u> | @ <u>21.25</u> <u>212.50</u> |
| CHLORIDE | @ |
| ASC | @ |
| <u>Flow Seal 70</u> | @ <u>2.70</u> <u>189.00</u> |
| | @ |
| | @ |
| | @ |
| | @ |
| | @ |
| | @ |
| HANDLING <u>301</u> | @ <u>2.10</u> <u>632.10</u> |
| MILEAGE <u>12.57 x 40</u> | <u>2.35</u> <u>1181.28</u> |
| TOTAL <u>5,897.18</u> | |

REMARKS:

| | |
|-------------------------------|-----------------|
| <u>Fill Hole with Big mud</u> | |
| <u>1st 2010</u> | <u>- 50 sks</u> |
| <u>2nd 1200</u> | <u>- 50 sks</u> |
| <u>3rd 600</u> | <u>- 50 sks</u> |
| <u>4th 240</u> | <u>- 50 sks</u> |
| <u>5th 60</u> | <u>- 20 sks</u> |
| <u>RA</u> | <u>30 sks</u> |
| <u>Plug Down</u> | |

SERVICE

| | |
|--------------------------|-----------------------------|
| DEPTH OF JOB <u>2010</u> | |
| PUMP TRUCK CHARGE | <u>1250.00</u> |
| EXTRA FOOTAGE | @ |
| MILEAGE <u>HUM 70</u> | @ <u>2.00</u> <u>280.00</u> |
| MANIFOLD | @ |
| <u>HUM 40</u> | @ <u>4.00</u> <u>160.00</u> |
| | @ |

TOTAL 1690.00

CHARGE TO: Palomina 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.

PRINTED NAME X. Calvin Thompson
SIGNATURE [Signature]

SALES TAX (If Any) _____
TOTAL CHARGES 7,587.18
25% 1,896.79
DISCOUNT _____ IF PAID IN 30 DAYS
5,690.38

Thank You !!



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 131181
Invoice Date: May 15, 2012
Page: 1

RECEIVED
MAY 25 2012



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

| Customer ID | Well Name# or Customer P.O. | Payment Terms | |
|--------------|-----------------------------|---------------|----------|
| Palo | Atwell 'TM' #1 | Net 30 Days | |
| Job Location | Camp Location | Service Date | Due Date |
| KS1-01 | Great Bend | May 15, 2012 | 6/14/12 |

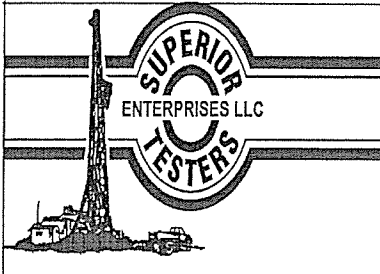
| Quantity | Item | Description | Unit Price | Amount |
|----------|-------------|-----------------------|------------|----------|
| 150.00 | MAT | Class A Common | 16.25 | 2,437.50 |
| 3.00 | MAT | Gel | 21.25 | 63.75 |
| 5.00 | MAT | Chloride | 58.20 | 291.00 |
| 162.50 | SER | Handling | 2.10 | 341.25 |
| 40.00 | SER | Ton Miles | 17.39 | 695.60 |
| 1.00 | SER | Surface | 1,125.00 | 1,125.00 |
| 40.00 | SER | Heavy Vehicle Mileage | 7.00 | 280.00 |
| 40.00 | SER | Light Vehicle Mileage | 4.00 | 160.00 |
| 1.00 | EQUIP OPER | Greg Redetzke | | |
| 1.00 | EQUIP OPER | Kevin Eddy | | |
| 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

\$ 1348.52

ONLY IF PAID ON OR BEFORE
Jun 9, 2012

| | |
|------------------------|-----------------|
| Subtotal | 5,394.10 |
| Sales Tax | 175.91 |
| Total Invoice Amount | 5,570.01 |
| Payment/Credit Applied | |
| TOTAL | 5,570.01 |



DRILL STEM TEST REPORT

Palomino Petroleum

23/17S/27W Lane Co.

4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

Atwell " TM " #1

Job Ticket: 17345

DST#: 1

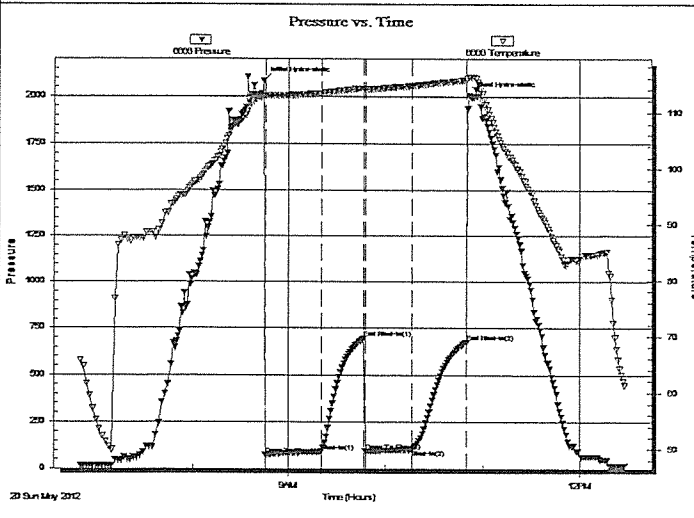
Test Start: 2012.05.20 @ 06:47:00

GENERAL INFORMATION:

Formation: Lansing
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:45:30
 Time Test Ended: 12:28:30
 Interval: 4042.00 ft (KB) To 4124.00 ft (KB) (TVD)
 Total Depth: 4124.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial
 Tester: Dylan E Ellis
 Unit No: 3345/Great Bend/180
 Reference Elevations: 2603.00 ft (KB)
 2595.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6666 Outside
 Press@RunDepth: 101.38 psia @ 4120.43 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.05.20 End Date: 2012.05.20 Last Calib.: 2012.05.20
 Start Time: 06:48:00 End Time: 12:28:30 Time On Btm: 2012.05.20 @ 08:44:30
 Time Off Btm: 2012.05.20 @ 10:51:30

TEST COMMENT: 1ST Opening 30 Minutes very very weak blow /blow blew 0.50 inches into bucket of water
 1ST Shut-In 30 Minutes no blow back
 2ND Opening 30 Minutes opened tool/good 5 bubble surge/blow dead after that
 2ND Shut-In 30 Minutes no blow back



PRESSURE SUMMARY

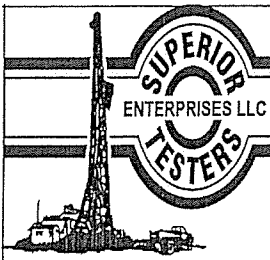
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2080.09 | 112.66 | Initial Hydro-static |
| 1 | 71.02 | 112.92 | Open To Flow (1) |
| 36 | 89.62 | 113.27 | Shut-In(1) |
| 62 | 693.16 | 114.16 | End Shut-In(1) |
| 63 | 92.42 | 113.99 | Open To Flow (2) |
| 92 | 101.38 | 114.60 | Shut-In(2) |
| 126 | 675.62 | 115.64 | End Shut-In(2) |
| 127 | 2004.42 | 116.20 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 75.00 | Lightly Oil spotted Mud | 0.37 |
| 0.00 | Oil-spotted/Mud-100% | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (Inches) | Pressure (psia) | Gas Rate (M) |
|--|----------------|-----------------|--------------|
| | | | |



DRILL STEM TEST REPORT

Palomino Petroleum
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

23/17S/27W Lane Co.

Atwell " TM " #1

Job Ticket: 17345

DST#: 1

Test Start: 2012.05.20 @ 06:47:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:45:30
 Time Test Ended: 12:28:30
 Interval: **4042.00 ft (KB) To 4124.00 ft (KB) (TVD)**
 Total Depth: **4124.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair

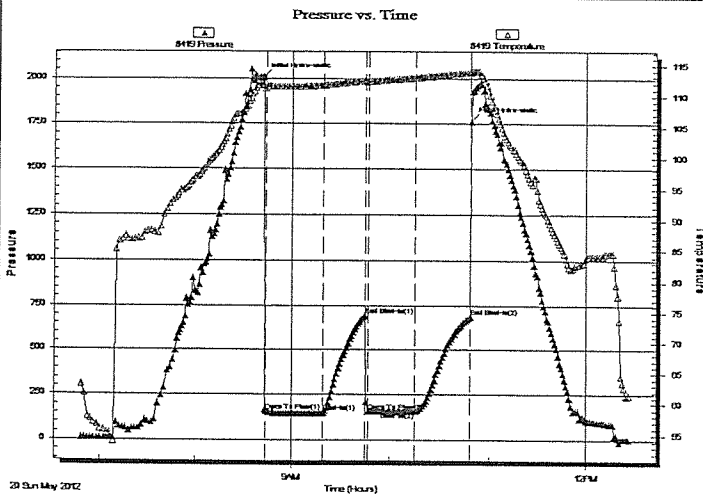
Test Type: Conventional Bottom Hole (Initial)
 Tester: Dylan E Ellis
 Unit No: 3345/Great Bend/180
 Reference Elevations: 2603.00 ft (KB)
 2595.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **8419**

Inside

Press@RunDepth: 687.01 psia @ 4119.43 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.05.20 End Date: 2012.05.20 Last Calib.: 2012.05.20
 Start Time: 06:48:00 End Time: 12:27:00 Time On Btm: 2012.05.20 @ 08:42:00
 Time Off Btm: 2012.05.20 @ 10:49:00

TEST COMMENT: 1ST Opening 30 Minutes very very weak blow /blow blew 0.50 inches into bucket of water
 1ST Shut-In 30 Minutes no blow back
 2ND Opening 30 Minutes opened tool/good 5 bubble surge/blow dead after that
 2ND Shut-In 30 Minutes no blow back



PRESSURE SUMMARY

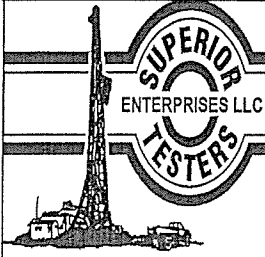
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2009.16 | 111.74 | Initial Hydro-static |
| 2 | 153.75 | 111.59 | Open To Flow (1) |
| 38 | 150.07 | 111.74 | Shut-In(1) |
| 63 | 695.70 | 112.41 | End Shut-In(1) |
| 65 | 156.14 | 112.34 | Open To Flow (2) |
| 93 | 155.68 | 112.93 | Shut-In(2) |
| 127 | 687.01 | 113.81 | End Shut-In(2) |
| 127 | 1765.49 | 114.36 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 75.00 | Lightly Oil spotted Mud | 0.37 |
| 0.00 | Oil-spotted/Mud-100% | 0.00 |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psia) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



DRILL STEM TEST REPORT

TOOL DIAGR

Palomino Petroleum

23/17S/27W Lane Co.

4924 Southeast 84 Street
Newton, Kansas
67114+8827

Atwell " TM " #1

Job Ticket: 17345

DST#: 1

ATTN: Ryan Seib

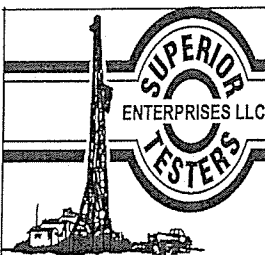
Test Start: 2012.05.20 @ 06:47:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3922.00 ft | Diameter: 3.80 inches | Volume: 55.02 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 122.32 ft | Diameter: 2.24 inches | Volume: 0.60 bbl | Weight to Pull Loose: 32000.00 lb |
| | | | <u>Total Volume: 55.62 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 22.32 ft | | | String Weight: Initial 44000.00 lb |
| Depth to Top Packer: | 4042.00 ft | | | Final 44000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 81.43 ft | | | |
| Tool Length: | 101.43 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments: Thank You for the work.

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|-----------------------------|
| Shut-In Tool | 5.00 | | | 4027.00 | |
| Hydraulic Tool | 5.00 | | | 4032.00 | |
| Packer | 5.00 | | | 4037.00 | 20.00 Bottom Of Top Pack |
| Packer | 5.00 | | | 4042.00 | |
| Anchor | 5.00 | | | 4047.00 | |
| Change Over Sub | 0.75 | | | 4047.75 | |
| Drill Pipe | 62.93 | | | 4110.68 | |
| Change Over Sub | 0.75 | | | 4111.43 | |
| Anchor | 7.00 | | | 4118.43 | |
| Recorder | 1.00 | 8419 | Inside | 4119.43 | |
| Recorder | 1.00 | 6666 | Outside | 4120.43 | |
| Bull Plug | 3.00 | | | 4123.43 | 81.43 Bottom Packers & Anch |
| Total Tool Length: | 101.43 | | | | |



DRILL STEM TEST REPORT

FLUID SUMMA

Palomino Petroleum

23/17S/27W Lane Co.

4924 Southeast 84 Street
 New ton, Kansas
 67114+8827
 ATTN: Ryan Seib

Atwell " TM " #1

Job Ticket: 17345

DST#: 1

Test Start: 2012.05.20 @ 06:47:00

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 45.00 sec/qt
 Water Loss: 8.76 in³
 Resistivity: ohm.m
 Salinity: 2200.00 ppm
 Filter Cake: 1.00 inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psia

Oil API: deg A
 Water Salinity: ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------------|---------------|
| 75.00 | Lightly Oil spotted Mud | 0.366 |
| 0.00 | Oil-spotted/Mud-100% | 0.000 |

Total Length: 75.00 ft Total Volume: 0.366 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

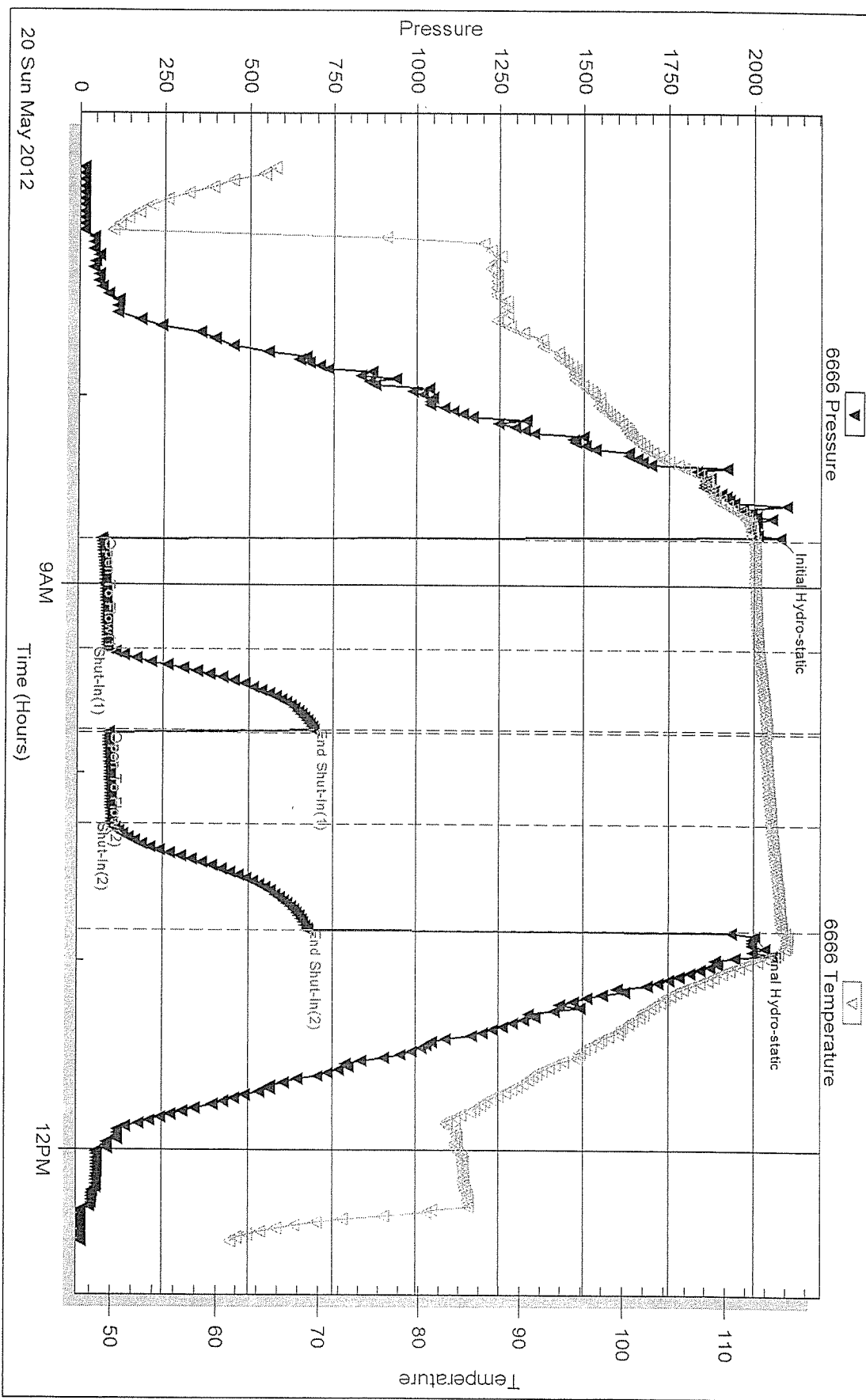
Serial #:

Laboratory Name:

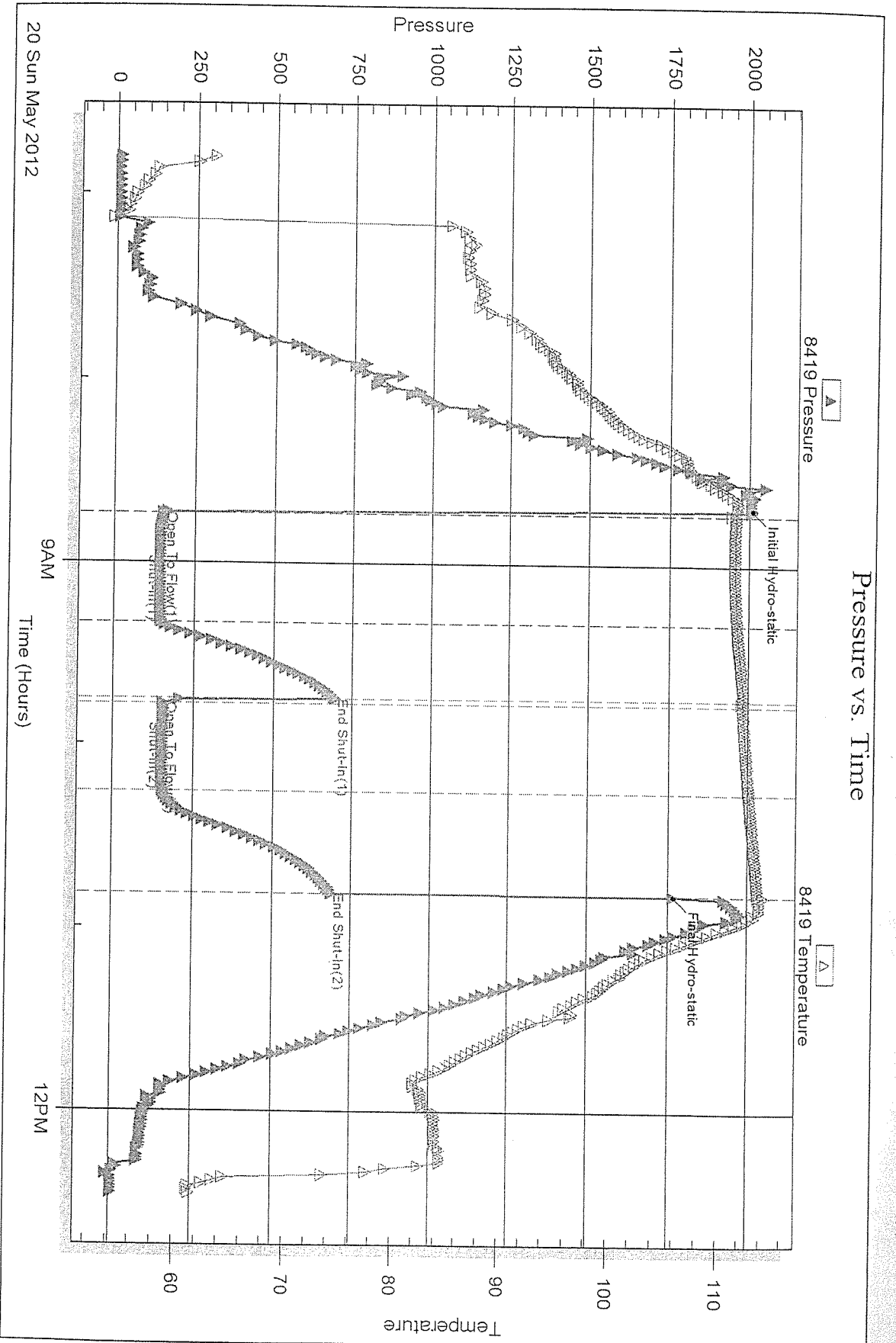
Laboratory Location:

Recovery Comments:

Pressure vs. Time



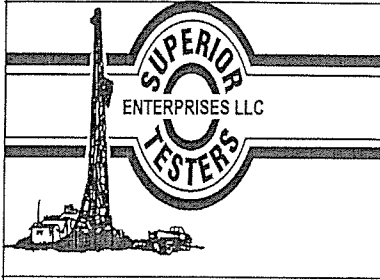
Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17345

Printed: 2012.05.23 @ 22:02:15



DRILL STEM TEST REPORT

Palomino Petroleum
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

23/17S/27W Lane Co.

Atwell " TM " #1

Job Ticket: 17346

DST#: 2

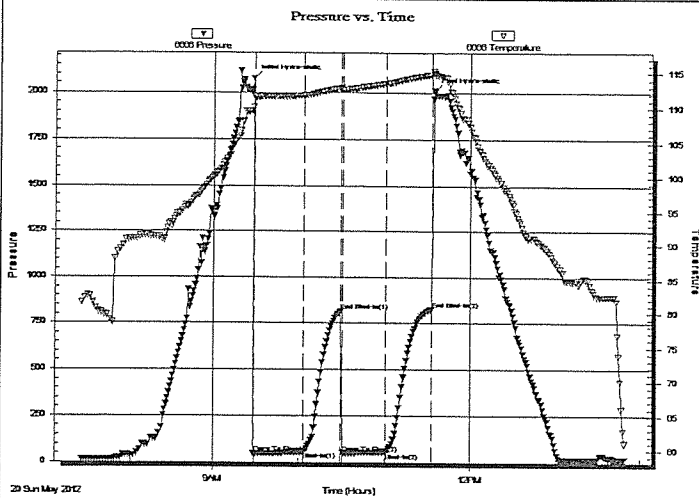
Test Start: 2012.05.20 @ 07:23:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:29:00
 Time Test Ended: 13:49:00
 Interval: 4118.00 ft (KB) To 4152.00 ft (KB) (TVD)
 Total Depth: 4152.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dylan E Ellis
 Unit No: 3345/Ness City/60
 Reference Elevations: 2603.00 ft (KB)
 2595.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6666 Outside
 Press@RunDepth: 53.27 psia @ 4149.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.05.20 End Date: 2012.05.20 Last Calib.: 2012.05.20
 Start Time: 07:24:00 End Time: 13:49:00 Time On Btm: 2012.05.20 @ 09:28:00
 Time Off Btm: 2012.05.20 @ 11:34:00

TEST COMMENT: 1ST Opening 30 Minutes very weak surface blow /blow died in 12 minutes
 1ST Shut-In 30 Minutes no blow back
 2ND Opening 30 Minutes opened tool/good surge/blow dead after that
 2ND Shut-In 30 Minutes no blow back



PRESSURE SUMMARY

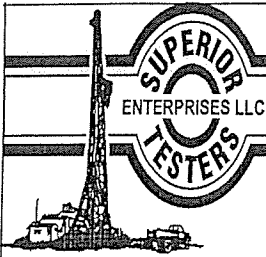
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2072.87 | 110.19 | Initial Hydro-static |
| 1 | 44.70 | 111.62 | Open To Flow (1) |
| 36 | 54.97 | 111.88 | Shut-In(1) |
| 62 | 812.75 | 112.88 | End Shut-In(1) |
| 63 | 48.33 | 112.68 | Open To Flow (2) |
| 93 | 53.27 | 113.51 | Shut-In(2) |
| 125 | 824.68 | 114.82 | End Shut-In(2) |
| 126 | 2006.41 | 115.06 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------|--------------|
| 20.00 | Drilling Mud 100% | 0.10 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psia) | Gas Rate (Mcf) |
|----------------|-----------------|----------------|
| | | |



DRILL STEM TEST REPORT

Palomino Petroleum
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

23/17S/27W Lane Co.

Atwell " TM " #1

Job Ticket: 17346

DST#: 2

Test Start: 2012.05.20 @ 07:23:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 09:29:00
 Time Test Ended: 13:49:00
 Interval: **4118.00 ft (KB) To 4152.00 ft (KB) (TVD)**
 Total Depth: **4152.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Dylan E Ellis**
 Unit No: **3345/Ness City/60**
 Reference Elevations: **2603.00 ft (KB)**
2595.00 ft (CF)
 KB to GR/CF: **8.00 ft**

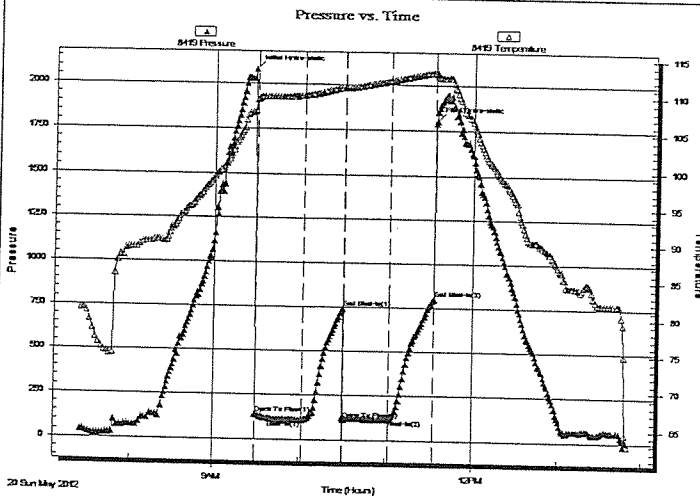
Serial #: **8419**

Inside

Press@RunDepth: **800.98 psia @ 4148.00 ft (KB)**
 Start Date: **2012.05.20** End Date: **2012.05.20**
 Start Time: **07:24:00** End Time: **13:49:30**

Capacity: **5000.00 psia**
 Last Calib.: **2012.05.21**
 Time On Btm: **2012.05.20 @ 09:28:30**
 Time Off Btm: **2012.05.20 @ 11:34:00**

TEST COMMENT: 1ST Opening 30 Minutes very weak surface blow /blow died in 12 minutes
 1ST Shut-In 30 Minutes no blow back
 2ND Opening 30 Minutes opened tool/good surge/blow dead after that
 2ND Shut-In 30 Minutes no blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2082.45 | 107.94 | Initial Hydro-static |
| 2 | 138.13 | 109.51 | Open To Flow (1) |
| 34 | 109.85 | 109.95 | Shut-In(1) |
| 62 | 744.63 | 111.04 | End Shut-In(1) |
| 63 | 114.79 | 110.96 | Open To Flow (2) |
| 94 | 120.67 | 111.98 | Shut-In(2) |
| 125 | 800.98 | 113.16 | End Shut-In(2) |
| 126 | 1802.67 | 112.94 | Final Hydro-static |

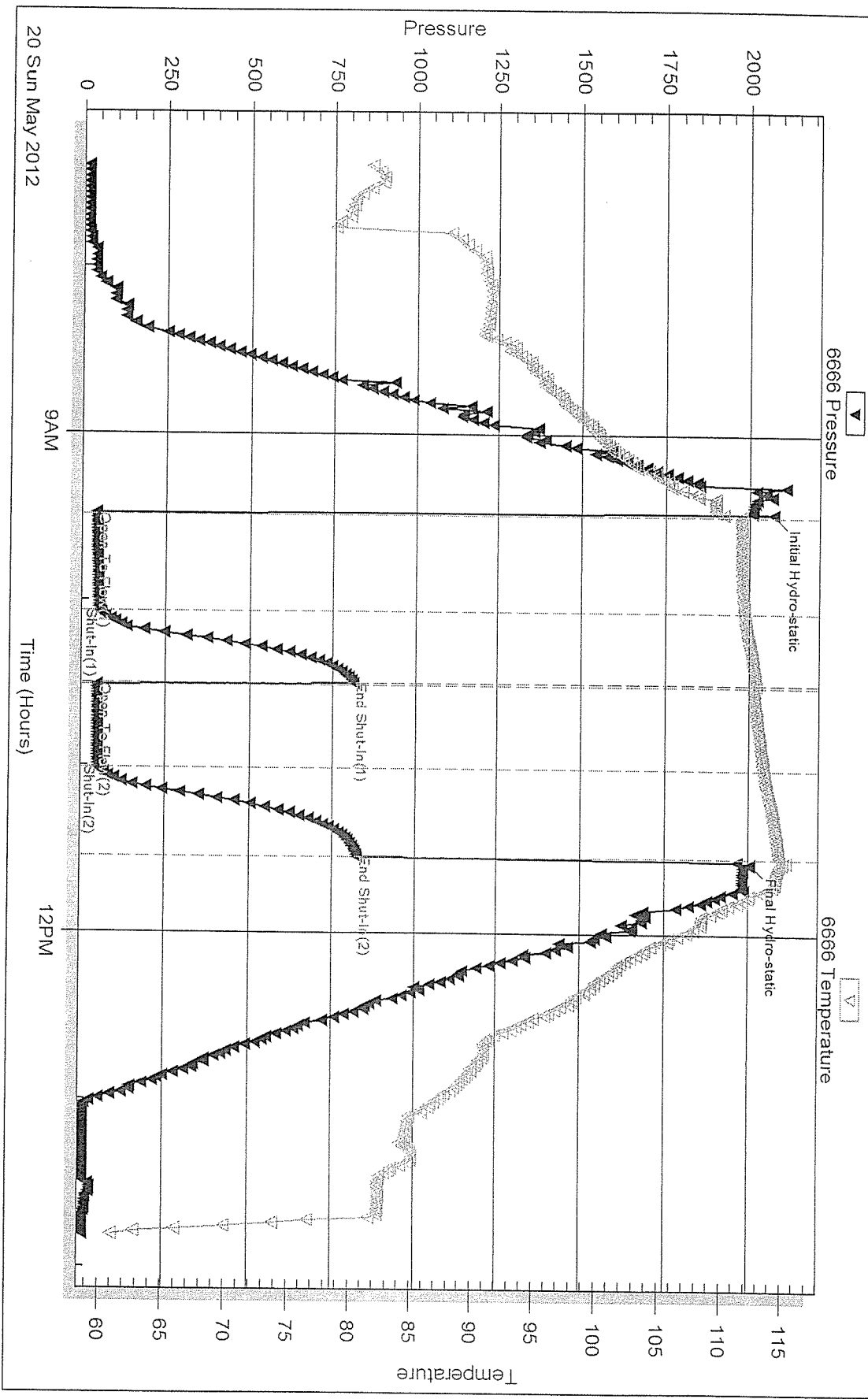
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------|--------------|
| 20.00 | Drilling Mud 100% | 0.10 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psia) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |

Pressure vs. Time

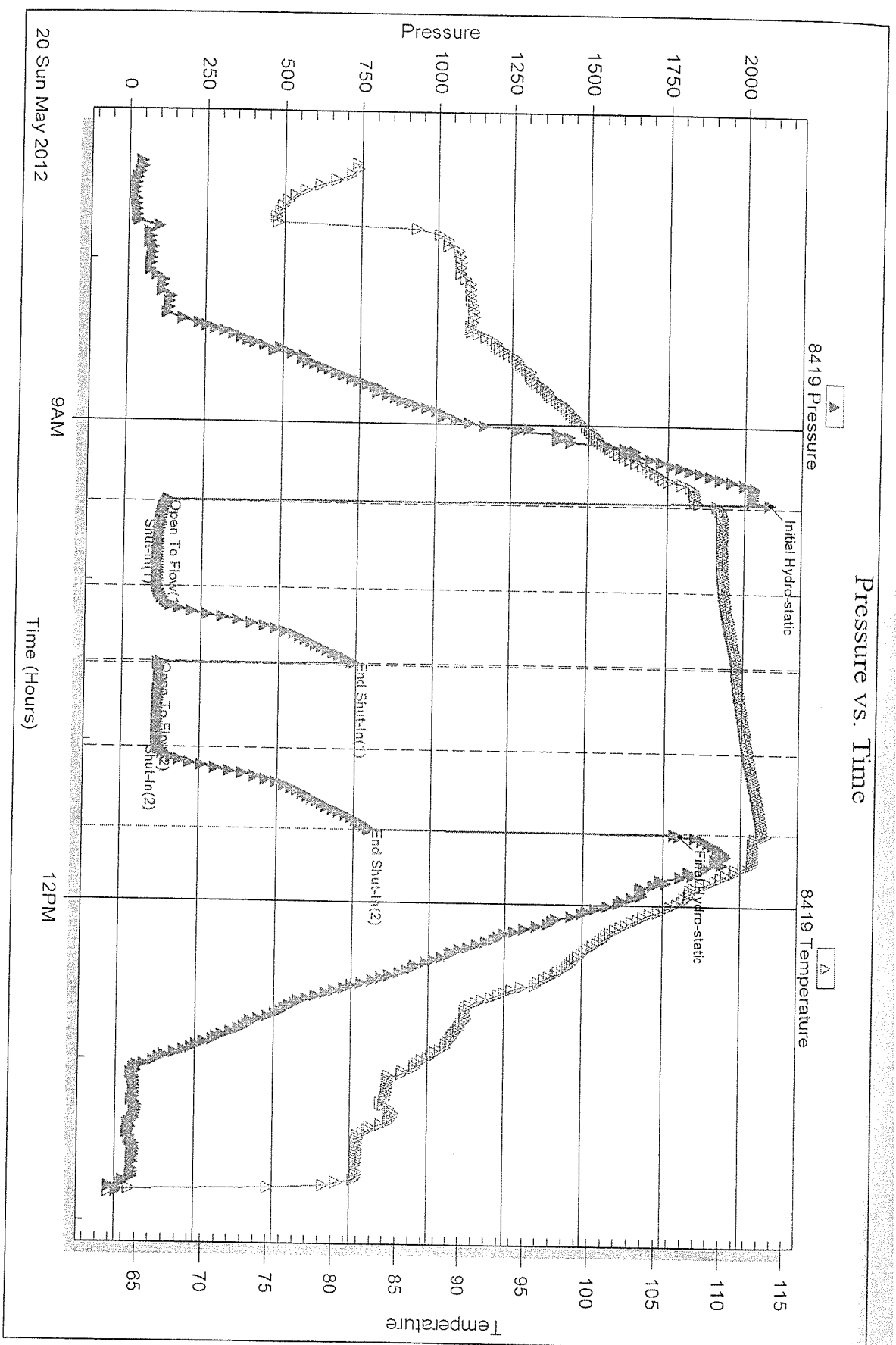


Superior Testers Enterprises LLC

Ref. No: 17346

Printed: 2012.05.23 @ 22:02:32

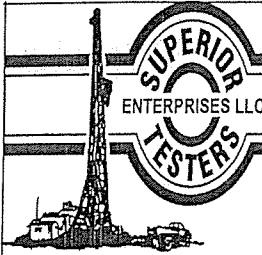
Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17346

Printed: 2012.05.23 @ 22:02:33



DRILL STEM TEST REPORT

Palomino Petroleum
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

23/17S/27W Lane Co.

Atwell " TM " #1

Job Ticket: 17347

DST#: 3

Test Start: 2012.05.21 @ 10:24:00

GENERAL INFORMATION:

Formation: **Lansing zone L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:16:00
 Time Test Ended: 16:15:30

Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3345 Ness City/60

Interval: 4147.00 ft (KB) To 4192.00 ft (KB) (TVD)
 Total Depth: 4192.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2603.00 ft (KB)
 2595.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8419

Outside

Press@RunDepth: 170.15 psia @ 4189.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.05.21 End Date: 2012.05.21

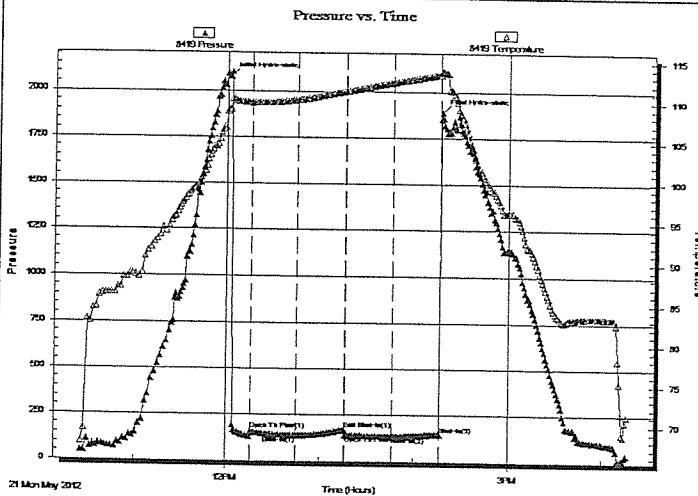
Last Calib.: 2012.05.21

Start Time: 10:25:00 End Time: 16:15:30

Time On Btm: 2012.05.21 @ 12:02:30

Time Off Btm: 2012.05.21 @ 14:17:00

TEST COMMENT: 1ST Open 30 Minutes/Very weak surface blow /Flush tool/Weak surface blow /Blow died in 7 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/Dead/No blow
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

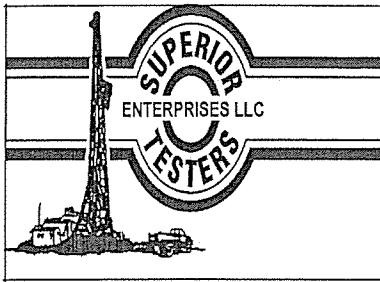
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2075.21 | 109.07 | Initial Hydro-static |
| 14 | 163.03 | 109.78 | Open To Flow (1) |
| 43 | 136.71 | 110.20 | Shut-In(1) |
| 74 | 170.15 | 111.27 | End Shut-In(1) |
| 74 | 141.12 | 111.28 | Open To Flow (2) |
| 104 | 134.33 | 112.35 | Shut-In(2) |
| 134 | 147.25 | 113.36 | Shut-In(3) |
| 135 | 1889.75 | 113.74 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--|--------------|
| 10.00 | Mud with show of oil in tool/ Mud 100% | 0.05 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psia) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



DRILL STEM TEST REPORT

TOOL DIAGR

Palomino Petroleum
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

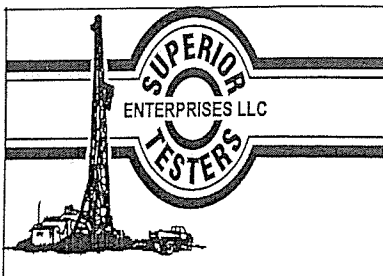
23/17S/27W Lane Co.
Atwell " TM " #1
 Job Ticket: 17347 DST#: 3
 Test Start: 2012.05.21 @ 10:24:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4014.00 ft | Diameter: 3.88 inches | Volume: 58.70 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 120.00 ft | Diameter: 2.25 inches | Volume: 0.59 bbl | Weight to Pull Loose: 58000.00 lb |
| | | | <u>Total Volume: 59.29 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 4147.00 ft | | | Final 45000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 45.00 ft | | | |
| Tool Length: | 73.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-----------------------------------|
| Shut-In Tool | 5.00 | | | 4124.00 | |
| Hydrolic Tool | 5.00 | | | 4129.00 | |
| Jars | 6.00 | | | 4135.00 | |
| Safety Joint | 2.00 | | | 4137.00 | |
| Packer | 5.00 | | | 4142.00 | 28.00 Bottom Of Top Pac |
| Packer | 5.00 | | | 4147.00 | |
| Anchor | 40.00 | | | 4187.00 | |
| Recorder | 1.00 | 6666 | Inside | 4188.00 | |
| Recorder | 1.00 | 8419 | Outside | 4189.00 | |
| Bull Plug | 3.00 | | | 4192.00 | 45.00 Bottom Packers & Anchr |
| Total Tool Length: | 73.00 | | | | |



DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
 23/17S/27W Lane Co.
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib
 Atwell " TM " #1
 Job Ticket: 17347
 DST#: 3
 Test Start: 2012.05.21 @ 10:24:00

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|--------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg AP |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 47.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.58 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 3000.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

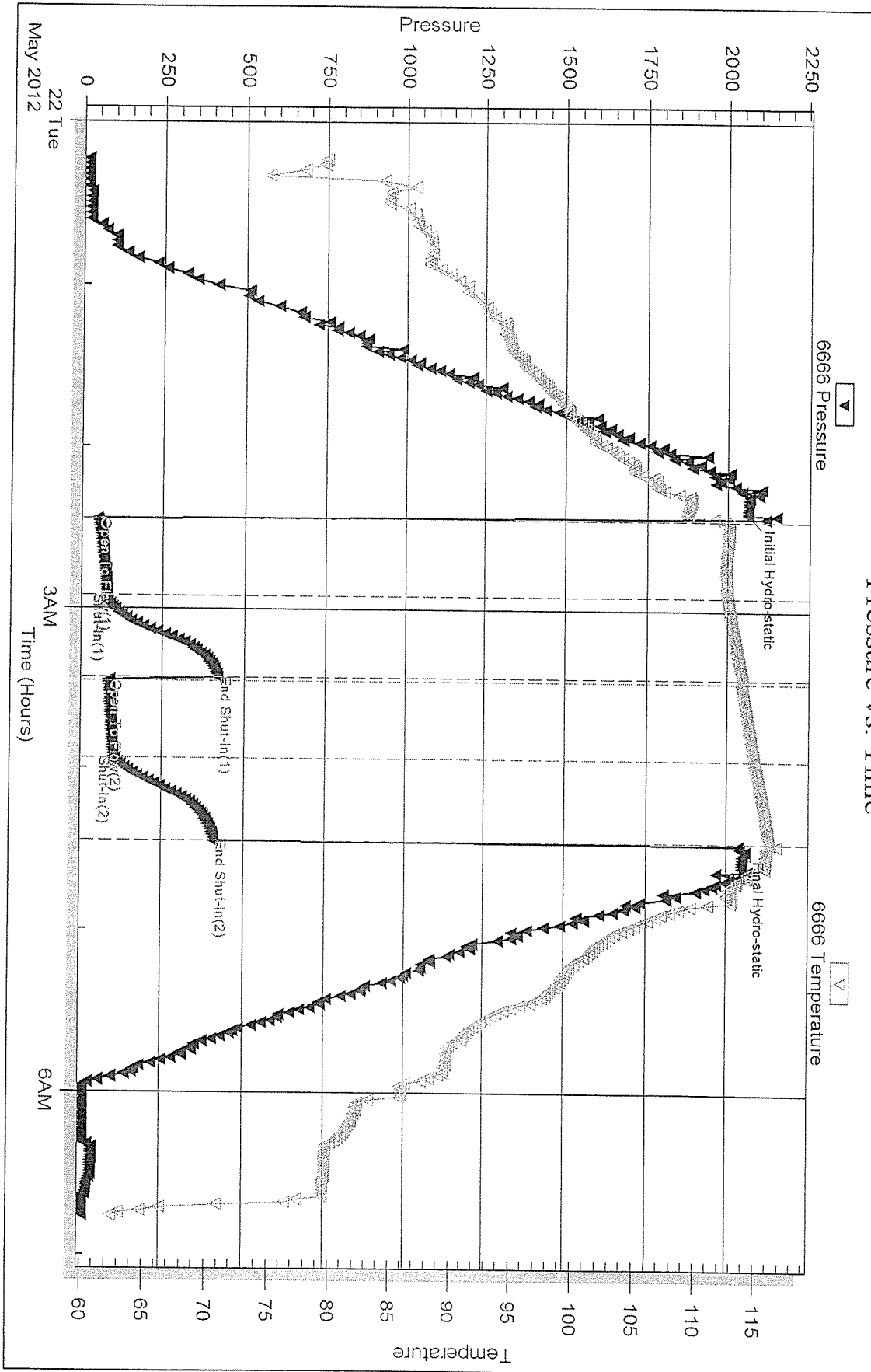
Recovery Information

Recovery Table

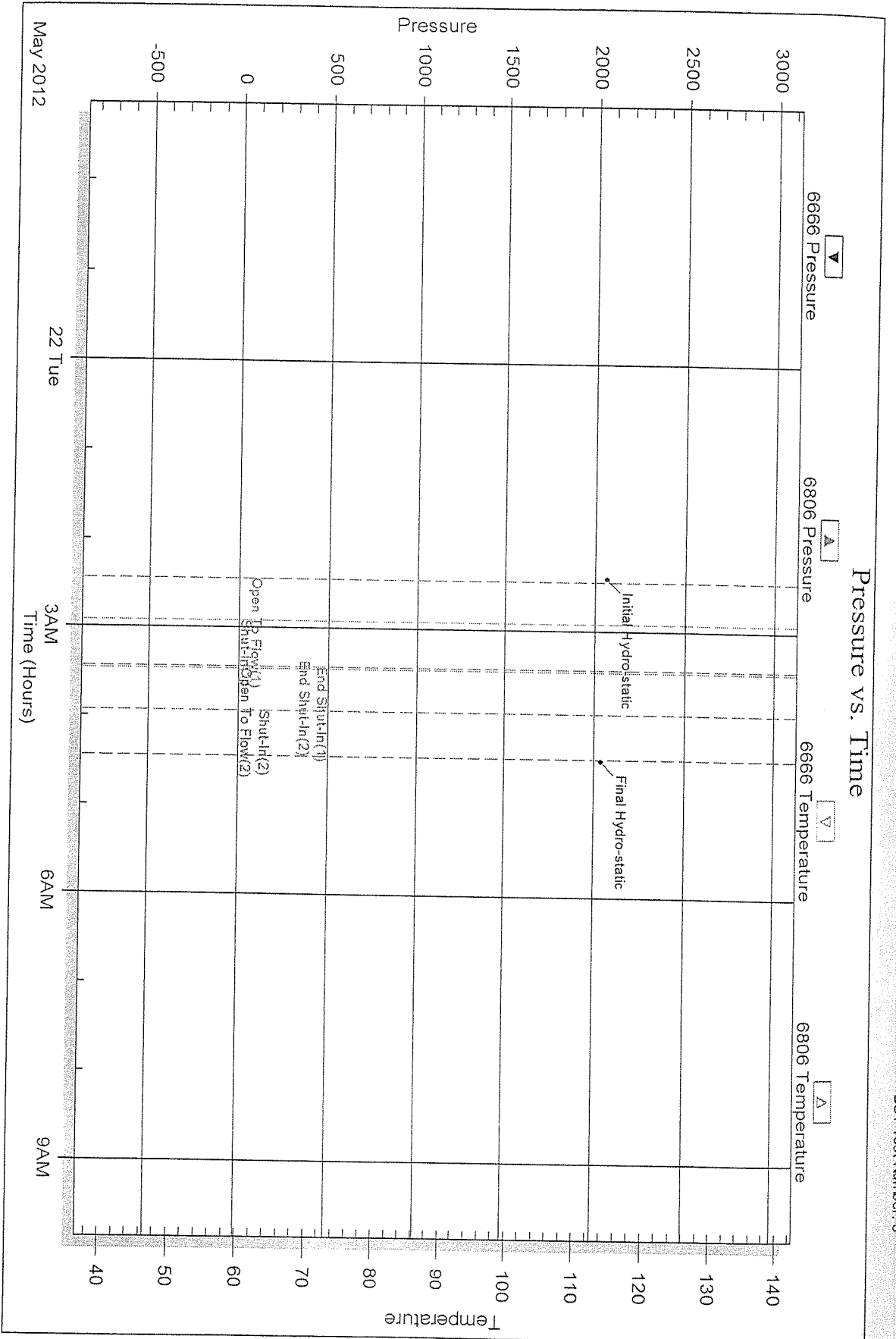
| Length ft | Description | Volume bbl |
|-----------|--|------------|
| 10.00 | Mud with show of oil in tool/ Mud 100% | 0.049 |

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

Pressure vs. Time



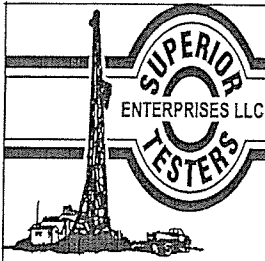
Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17347

Printed: 2012.05.23 @ 22:02:48



DRILL STEM TEST REPORT

Palomino Petroleum

23/17S/27W Lane Co.

4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

Atwell " TM " #1

Job Ticket: 17348

DST#: 4

Test Start: 2012.05.22 @ 00:13:00

GENERAL INFORMATION:

Formation: **Lansing zone L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:26:30

Time Test Ended: 06:46:00

Interval: 4187.00 ft (KB) To 4230.00 ft (KB) (TVD)

Total Depth: 4230.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3345 Ness City/60

Reference Elevations: 2603.00 ft (KB)

2595.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6666

Outside

Press@RunDepth: 100.91 psia @ 4227.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.05.22

End Date: 2012.05.22

Last Calib.: 2012.05.22

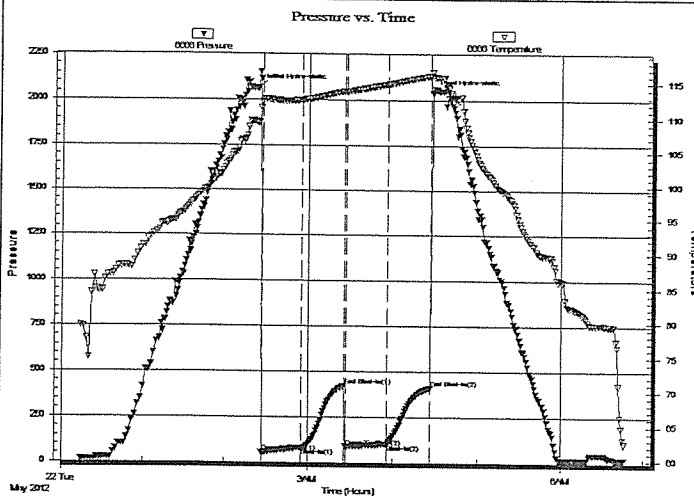
Start Time: 00:14:00

End Time: 06:46:00

Time On Btm: 2012.05.22 @ 02:24:00

Time Off Btm: 2012.05.22 @ 04:27:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 3 inches in bucket of water
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/Weak blow /Blow built to 2 inches in bucket of water
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

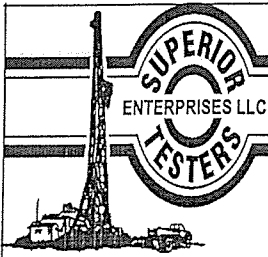
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2063.37 | 109.33 | Initial Hydro-static |
| 3 | 50.38 | 112.40 | Open To Flow (1) |
| 31 | 80.21 | 112.67 | Shut-In(1) |
| 62 | 419.24 | 113.91 | End Shut-In(1) |
| 63 | 84.70 | 113.84 | Open To Flow (2) |
| 92 | 100.91 | 114.94 | Shut-In(2) |
| 123 | 407.77 | 116.16 | End Shut-In(2) |
| 124 | 2036.01 | 116.77 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------------|--------------|
| 75.00 | Oil cut Mud/ Oil 10% Mud 90% | 0.37 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psia) | Gas Rate (Mcf) |
|----------------|-----------------|----------------|
| | | |



DRILL STEM TEST REPORT

Palomino Petroleum
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

23/17S/27W Lane Co.

Atwell " TM " #1

Job Ticket: 17348

DST#: 4

Test Start: 2012.05.22 @ 00:13:00

GENERAL INFORMATION:

Formation: **Lansing zone L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:26:30
 Time Test Ended: 06:46:00
 Interval: 4187.00 ft (KB) To 4230.00 ft (KB) (TVD)
 Total Depth: 4230.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3345 Ness City/60
 Reference Elevations: 2603.00 ft (KB)
 2595.00 ft (CF)
 KB to GR/CF: 8.00 ft

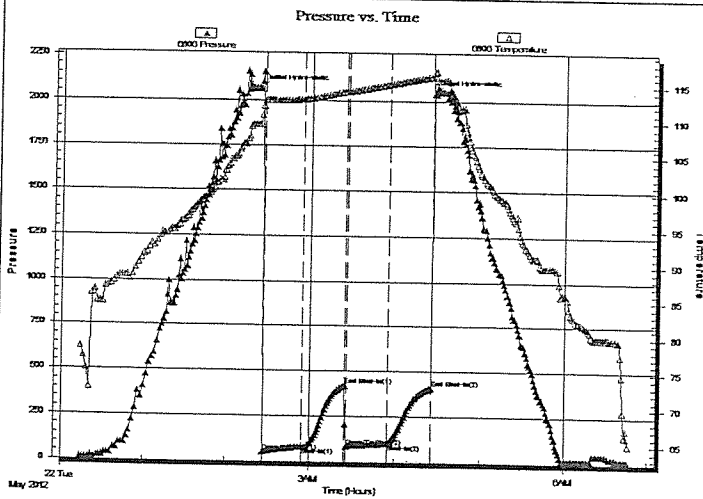
Serial #: 6806

Inside

Press@RunDepth: 409.56 psia @ 4226.00 ft (KB)
 Start Date: 2012.05.22 End Date: 2012.05.22
 Start Time: 00:14:00 End Time: 06:45:30

Capacity: 5000.00 psia
 Last Calib.: 2012.05.22
 Time On Btm: 2012.05.22 @ 02:23:30
 Time Off Btm: 2012.05.22 @ 04:26:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 3 inches in bucket of water
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/Weak blow /Blow built to 2 inches in bucket of water
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

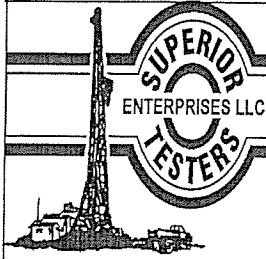
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2064.24 | 109.49 | Initial Hydro-static |
| 3 | 52.30 | 112.84 | Open To Flow (1) |
| 31 | 81.17 | 113.01 | Shut-In(1) |
| 62 | 420.43 | 114.14 | End Shut-In(1) |
| 63 | 85.87 | 114.11 | Open To Flow (2) |
| 92 | 101.77 | 115.14 | Shut-In(2) |
| 123 | 409.56 | 116.27 | End Shut-In(2) |
| 123 | 2041.78 | 116.84 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (tbb) |
|-------------|------------------------------|--------------|
| 75.00 | Oil cut Mud/ Oil 10% Mud 90% | 0.37 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psia) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



DRILL STEM TEST REPORT

TOOL DIAG

Palomino Petroleum

23/17S/27W Lane Co.

4924 Southeast 84 Street
New ton, Kansas
67114+8827

Atwell " TM " #1

Job Ticket: 17348

DST#: 4

ATTN: Ryan Seib

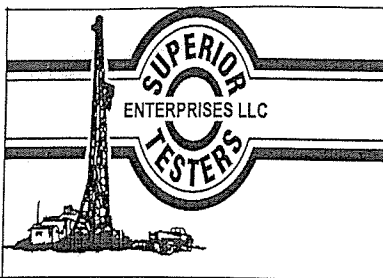
Test Start: 2012.05.22 @ 00:13:00

Tool Information

| | | | | |
|----------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4046.00 ft | Diameter: 3.88 inches | Volume: 59.17 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 120.00 ft | Diameter: 2.25 inches | Volume: 0.59 bbl | Weight to Pull Loose: 64000.00 lb |
| | | | <u>Total Volume: 59.76 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 7.00 ft | | | String Weight: Initial 46000.00 lb |
| Depth to Top Packer: | 4187.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval betw een Packers: | 43.00 ft | | | |
| Tool Length: | 71.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-----------------------------|
| Shut-In Tool | 5.00 | | | 4164.00 | |
| Hydrolic Tool | 5.00 | | | 4169.00 | |
| Jars | 6.00 | | | 4175.00 | |
| Safety Joint | 2.00 | | | 4177.00 | |
| Packer | 5.00 | | | 4182.00 | 28.00 Bottom Of Top Pac |
| Packer | 5.00 | | | 4187.00 | |
| Anchor | 38.00 | | | 4225.00 | |
| Recorder | 1.00 | 6806 | Inside | 4226.00 | |
| Recorder | 1.00 | 6666 | Outside | 4227.00 | |
| Bull Plug | 3.00 | | | 4230.00 | 43.00 Bottom Packers & Anct |
| Total Tool Length: | 71.00 | | | | |



DRILL STEM TEST REPORT

FLUID SUMMA

Palomino Petroleum

23/17S/27W Lane Co.

4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

Atwell " TM " #1

Job Ticket: 17348

DST#: 4

Test Start: 2012.05.22 @ 00:13:00

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|--------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg AP |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 47.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.59 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 3000.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

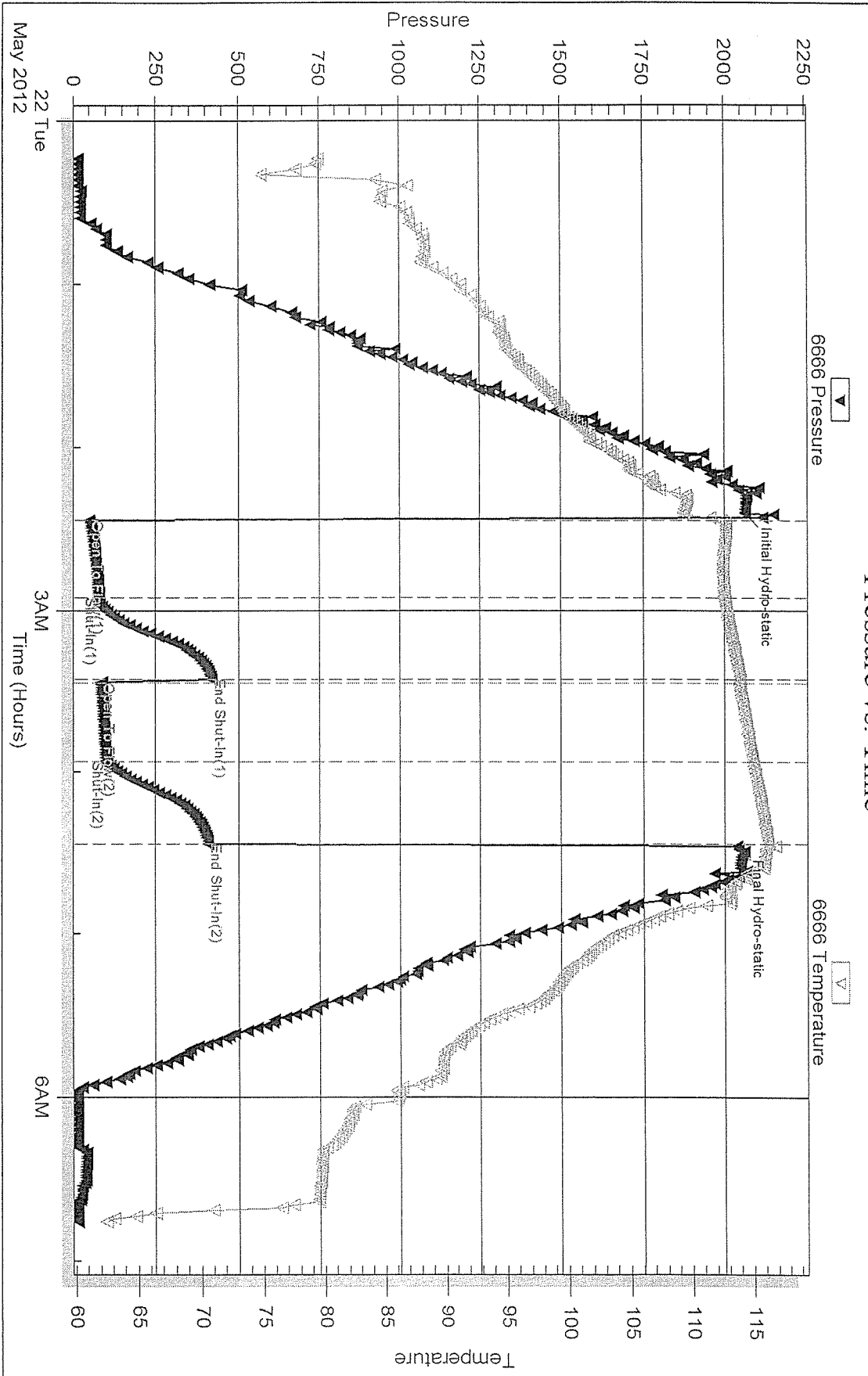
Recovery Information

Recovery Table

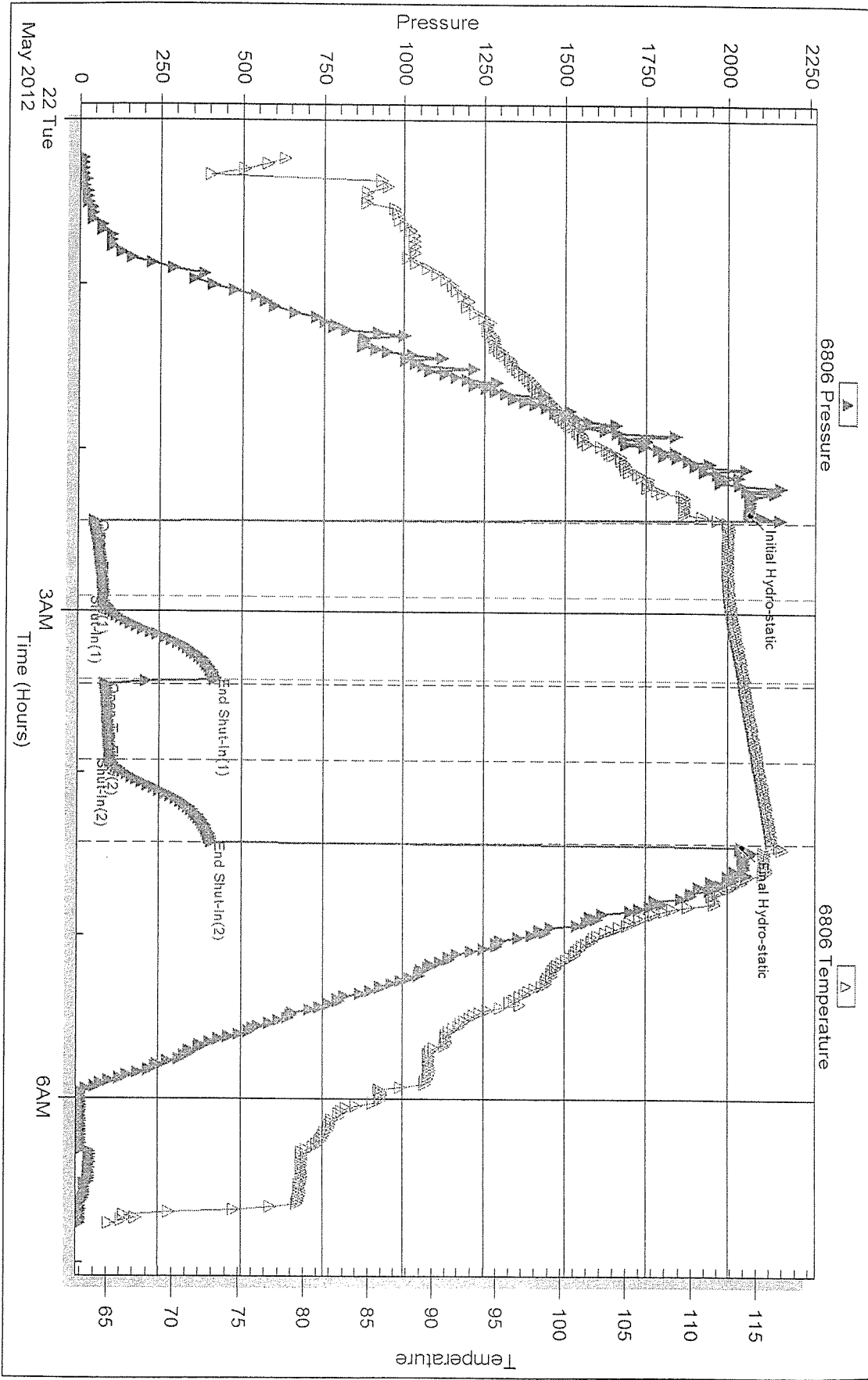
| Length ft | Description | Volume bbl |
|--------------|------------------------------|---------------|
| 75.00 | Oil cut Mud/ Oil 10% Mud 90% | 0.369 |

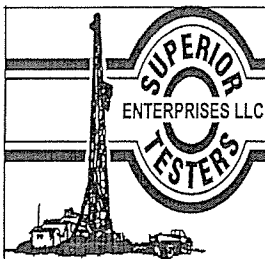
Total Length: 75.00 ft Total Volume: 0.369 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Palomino Petroleum
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

23/17S/27W Lane Co.

Atwell " TM " #1

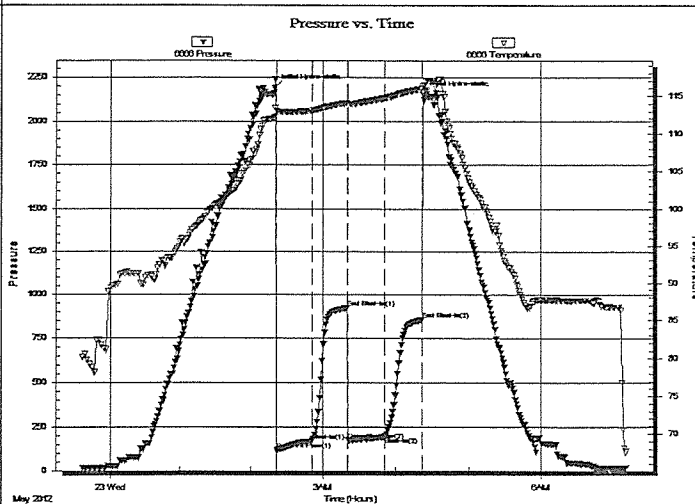
Job Ticket: 17349 DST#: 5
 Test Start: 2012.05.22 @ 23:35:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:21:30
 Time Test Ended: 07:11:30
 Interval: 4236.00 ft (KB) To 4385.00 ft (KB) (TVD)
 Total Depth: 4385.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3345 Ness City/60
 Reference Elevations: 2603.00 ft (KB)
 2595.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6666 Inside
 Press@RunDepth: 190.60 psia @ 4381.19 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.05.22 End Date: 2012.05.23 Last Calib.: 2012.05.23
 Start Time: 23:36:00 End Time: 07:11:30 Time On Btm: 2012.05.23 @ 02:20:00
 Time Off Btm: 2012.05.23 @ 04:22:30

TEST COMMENT: 1ST Open 30 Minutes/Fair blow /Blow built to 5 inches in bucket of water
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/Fair blow /Blow built to 5 inches in bucket of water
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

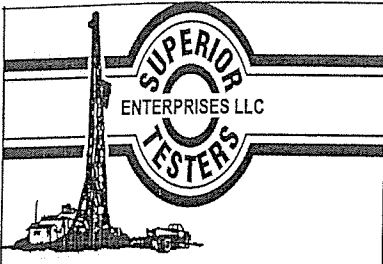
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2189.30 | 112.27 | Initial Hydro-static |
| 2 | 112.73 | 113.01 | Open To Flow (1) |
| 32 | 167.33 | 113.14 | Shut-In(1) |
| 61 | 921.82 | 114.16 | End Shut-In(1) |
| 62 | 167.58 | 113.97 | Open To Flow (2) |
| 91 | 190.60 | 114.77 | Shut-In(2) |
| 122 | 855.98 | 115.98 | End Shut-In(2) |
| 123 | 2149.31 | 116.30 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 170.00 | Gas and Oil cut Mud | 1.32 |
| 0.00 | Gas 10% Oil 10% Mud 80% | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psia) | Gas Rate (Mc) |
|--|----------------|-----------------|---------------|
| | | | |



DRILL STEM TEST REPORT

Palomino Petroleum

23/17S/27W Lane Co.

4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

Atwell " TM " #1

Job Ticket: 17349

DST#: 5

Test Start: 2012.05.22 @ 23:35:00

GENERAL INFORMATION:

Formation: Marmaton
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:21:30
 Time Test Ended: 07:11:30

Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3345 Ness City/60

Interval: 4236.00 ft (KB) To 4385.00 ft (KB) (TVD)
 Total Depth: 4385.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

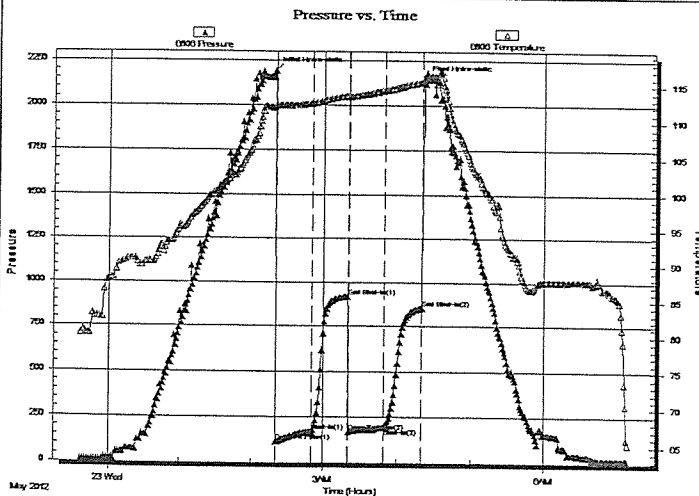
Reference Elevations: 2603.00 ft (KB)
 2595.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6806 Outside

Press@RunDepth: 854.89 psia @ 4382.19 ft (KB)
 Start Date: 2012.05.22 End Date: 2012.05.23
 Start Time: 23:36:00 End Time: 07:10:30

Capacity: 5000.00 psia
 Last Calib.: 2012.05.23
 Time On Btm: 2012.05.23 @ 02:19:00
 Time Off Btm: 2012.05.23 @ 04:21:30

TEST COMMENT: 1ST Open 30 Minutes/Fair blow /Blow built to 5 inches in bucket of water
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/Fair blow /Blow built to 5 inches in bucket of water
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

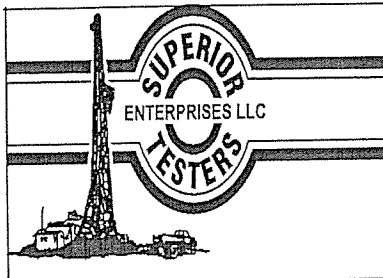
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2188.77 | 112.09 | Initial Hydro-static |
| 2 | 111.44 | 112.28 | Open To Flow (1) |
| 31 | 166.33 | 112.56 | Shut-In(1) |
| 61 | 920.92 | 113.65 | End Shut-In(1) |
| 62 | 166.14 | 113.49 | Open To Flow (2) |
| 91 | 189.82 | 114.37 | Shut-In(2) |
| 122 | 854.89 | 115.53 | End Shut-In(2) |
| 123 | 2146.13 | 115.86 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 170.00 | Gas and Oil cut Mud | 1.32 |
| 0.00 | Gas 10% Oil 10% Mud 80% | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psia) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



DRILL STEM TEST REPORT

TOOL DIAG

Palomino Petroleum
 4924 Southeast 84 Street
 Newton, Kansas
 67114+8827
 ATTN: Ryan Seib

23/17S/27W Lane Co.

Atwell " TM " #1

Job Ticket: 17349

DST#: 5

Test Start: 2012.05.22 @ 23:35:00

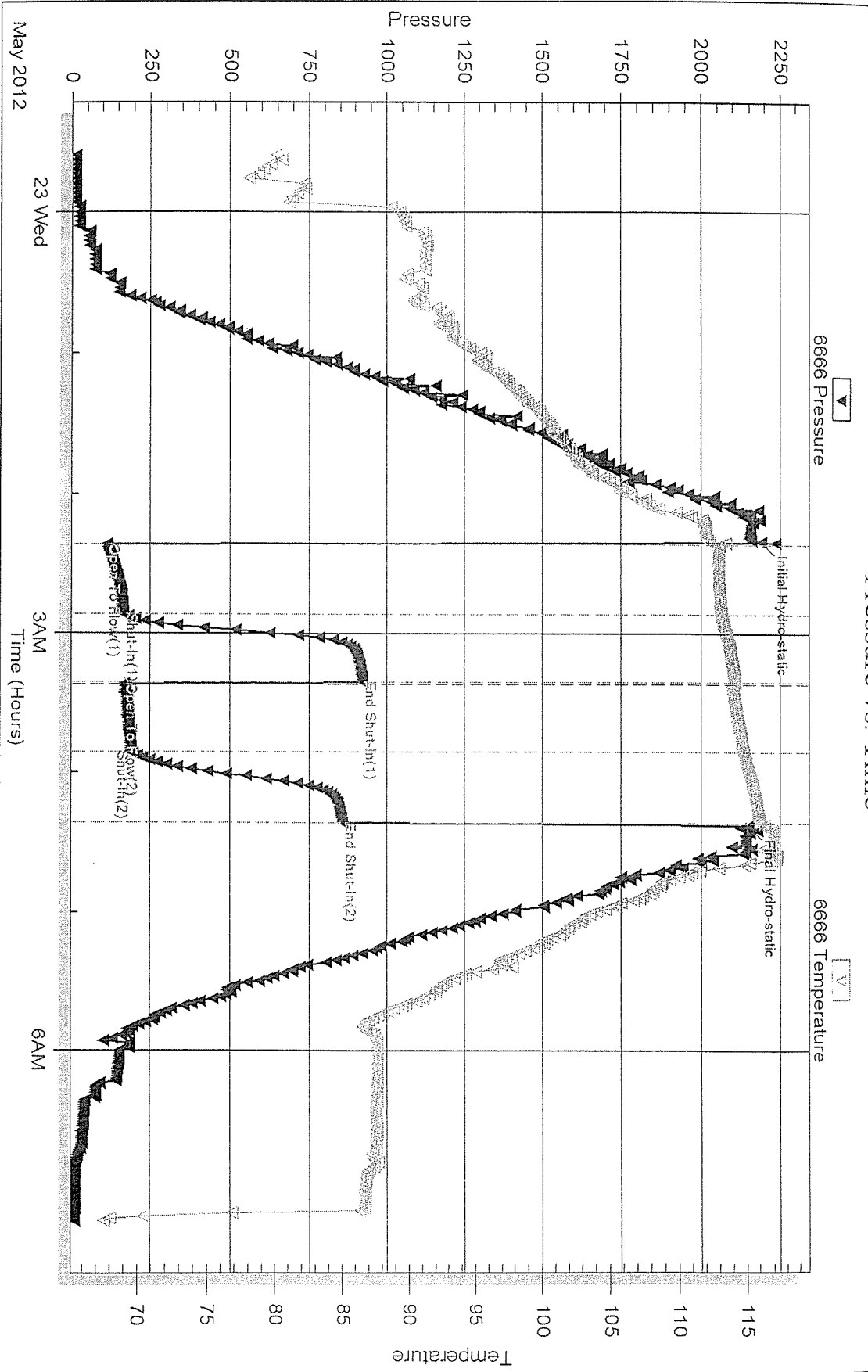
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4116.00 ft | Diameter: 3.88 inches | Volume: 60.19 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 120.00 ft | Diameter: 2.25 inches | Volume: 0.59 bbl | Weight to Pull Loose: 58000.00 lb |
| | | | <u>Total Volume: 60.78 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 20.00 ft | | | String Weight: Initial 48000.00 lb |
| Depth to Top Packer: | 4236.00 ft | | | Final 48000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 149.19 ft | | | |
| Tool Length: | 169.19 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |
| Tool Comments: | | | | |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|---------------------------|
| Shut-In Tool | 5.00 | | | 4221.00 | |
| Hydraulic Tool | 5.00 | | | 4226.00 | |
| Packer | 5.00 | | | 4231.00 | 20.00 Bottom Of Top F |
| Packer | 5.00 | | | 4236.00 | |
| Anchor | 6.00 | | | 4242.00 | |
| Change over Sub | 0.75 | | | 4242.75 | |
| Change Over Sub | 0.75 | | | 4243.50 | |
| Change Over Sub | 0.75 | | | 4244.25 | |
| Drill Pipe | 95.19 | | | 4339.44 | |
| Change Over Sub | 0.75 | | | 4340.19 | |
| Anchor | 40.00 | | | 4380.19 | |
| Recorder | 1.00 | 6666 | Inside | 4381.19 | |
| Recorder | 1.00 | 6806 | Outside | 4382.19 | |
| Bull Plug | 3.00 | | | 4385.19 | 149.19 Bottom Packers & A |

Total Tool Length: 169.19

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17349

Printed: 2012.05.23 @ 22:03:20

Serial #: 6806

Outside Palomino Petroleum

Atwell "TW" #1

DST Test Number: 5

