

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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 <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>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 |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

|   |  |         |             |               |         |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |         |             |               |         |
| Estimated Production Per 24 Hours                                   | Oil Bbls.  | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |

|   |  |                                    |
|---|--|------------------------------------|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5) (Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|--|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|



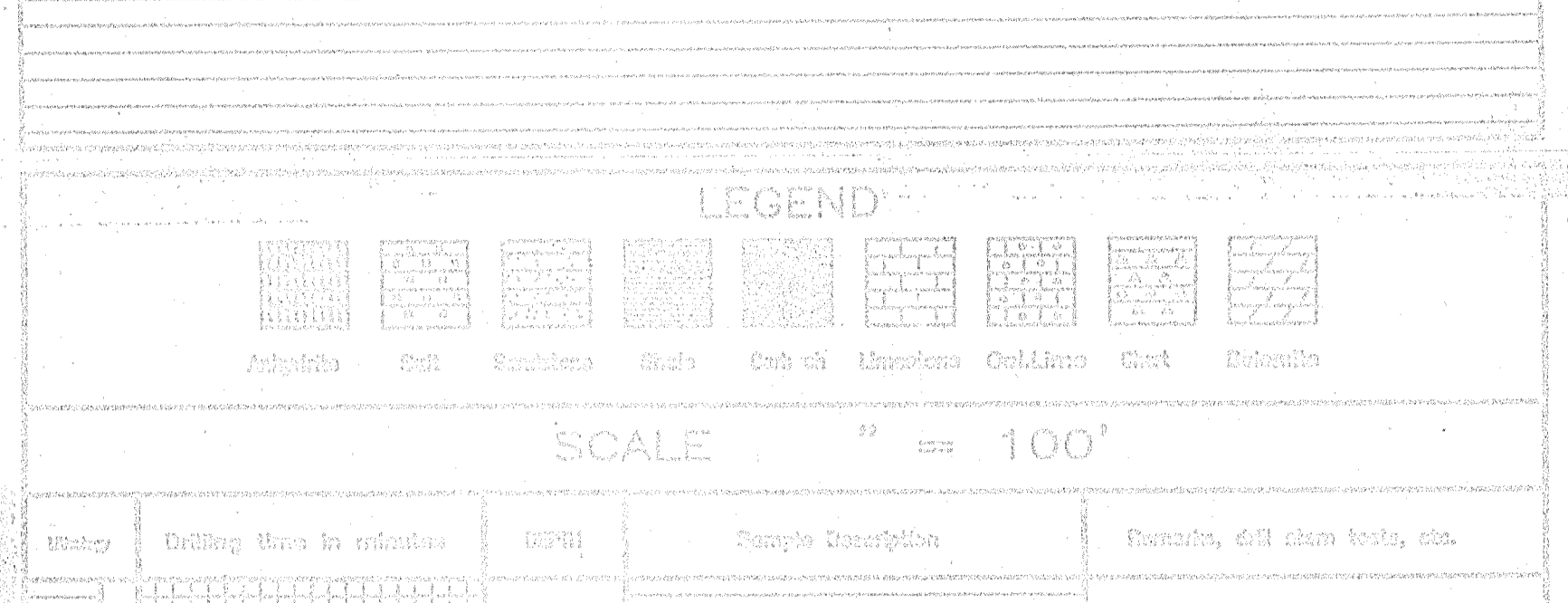
**Field** 2393 FNL & 345' FUL  
**Location** 3393 FNL & 345' FUL  
**SEC.** 3 **TWP.** 16S **RANGE** 21W  
**COUNTY** LAKE **STATE** KS  
**Drilling Date** 11/2/62  
**Well No.** 41512  
**Operator** 3600  
**Driller** 3600  
**Tester** 3600  
**Log No.** 3390  
**Log Date** 11-10-62

**Geological Section**  
 Permian Seid  
 Petroleum Geologist  
 Kansas City, KS 67100  
 (785) 798-5998

**Well No.** 2420  
**Well Name** M-1  
**Well Status** CLOSING  
**Well Depth** 4620'  
**Well Type** M-1  
**Well Class** N/A

**Well Log**  
 2393 FNL & 345' FUL  
 41512  
 3600  
 3600  
 3600  
 3390  
 11-10-62  
 11/2/62  
 41512  
 3600  
 3600  
 3600  
 3390  
 11-10-62

**Well Log**  
 2393 FNL & 345' FUL  
 41512  
 3600  
 3600  
 3600  
 3390  
 11-10-62  
 11/2/62  
 41512  
 3600  
 3600  
 3600  
 3390  
 11-10-62



**LEGEND**  
 Patterns and colors corresponding to geological units: Hedrick, Tornate, Laning, Stark, Haskin, Mick, Marmaton, Pawnee, Flint Hill, Charkee Sh, Mississippian, RTO.

**SCALE** 1" = 100'  
 Vertical scale on the left of the log indicates depth in feet, ranging from 3600 to 4600.

| Depth (ft) | Sample Description   | Remarks, Oil stem tests, etc. |
|------------|--|-------------------------------|
| 3600       | Ls. con. gray, fine x h. dense hard, n. v. s. p., no odr., n/s |                               |
| 3700       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 3800       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 3900       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4000       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4100       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4200       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4300       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4400       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4500       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4600       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4700       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4800       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 4900       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5000       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5100       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5200       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5300       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5400       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5500       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5600       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5700       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5800       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 5900       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6000       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6100       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6200       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6300       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6400       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6500       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6600       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6700       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6800       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 6900       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7000       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7100       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7200       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7300       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7400       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7500       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7600       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7700       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7800       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 7900       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8000       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8100       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8200       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8300       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8400       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8500       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8600       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8700       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8800       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 8900       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9000       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9100       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9200       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9300       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9400       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9500       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9600       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9700       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9800       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |
| 9900       | Ls. con. gray, fine x h. dense hard, n. v. s. p., n/s          |                               |

Additional notes and well data at the bottom of the log, including well name 'M-1' and depth '4620'.



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.13 @ 04:05:00

End Date: 2022.01.13 @ 11:39:30

Job Ticket #: 67718                      DST #: 1

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

Printed: 2022.01.24 @ 09:01:05



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**

**Speedway #1**

Job Ticket: 67718

**DST#: 1**

Test Start: 2022.01.13 @ 04:05:00

## GENERAL INFORMATION:

Formation: **LKC A - B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:57:30

Time Test Ended: 11:39:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 3881.00 ft (KB) To 3915.00 ft (KB) (TVD)**

Reference Elevations: 2631.00 ft (KB)

Total Depth: 3915.00 ft (KB) (TVD)

2620.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8874**

**Inside**

Press@RunDepth: 594.88 psig @ 3882.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.13

End Date:

2022.01.13

Last Calib.:

2022.01.13

Start Time: 04:05:05

End Time:

11:39:29

Time On Btm:

2022.01.13 @ 06:57:15

Time Off Btm:

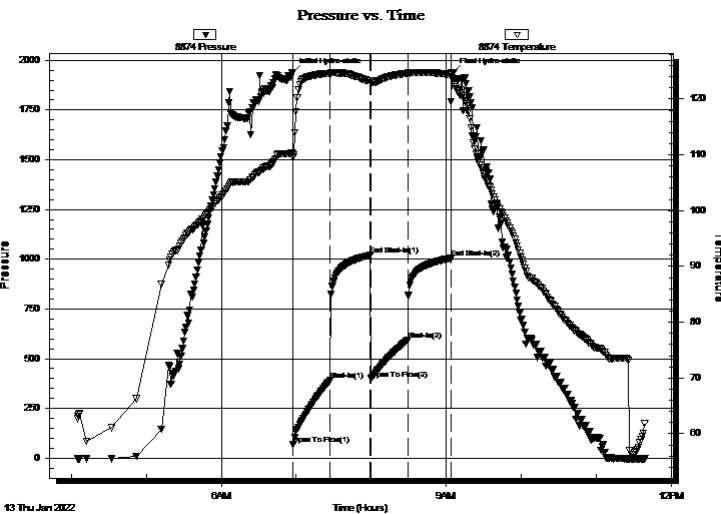
2022.01.13 @ 09:05:45

TEST COMMENT: IF: BOB @ 3 min- 74"

IS: Surface return.

FF: BOB @ 4 min- 59 1/2"

FS: 1/4" return. 30-30-30-30



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1936.79         | 110.42       | Initial Hydro-static |
| 1           | 70.76           | 109.65       | Open To Flow (1)     |
| 30          | 390.08          | 124.55       | Shut-In(1)           |
| 62          | 1020.16         | 123.21       | End Shut-In(1)       |
| 63          | 399.83          | 122.97       | Open To Flow (2)     |
| 92          | 594.88          | 124.57       | Shut-In(2)           |
| 127         | 1004.67         | 124.35       | End Shut-In(2)       |
| 129         | 1938.97         | 123.29       | Final Hydro-static   |

## Recovery

| Length (ft) | Description             | Volume (bbl) |
|-------------|-------------------------|--------------|
| 1000.00     | smcw 3m 97w (oil spots) | 12.06        |
| 150.00      | somcw 3o 22m 75w        | 2.10         |
| 50.00       | gw mco 10g 10w 10m 70o  | 0.70         |
| 0.00        | 60' 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

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67718

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2022.01.13 @ 04:05:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3664.00 ft | Diameter: 3.80 inches | Volume: 51.40 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 216.00 ft  | Diameter: 2.25 inches | Volume: 1.06 bbl               | Weight to Pull Loose: 80000.00 lb  |
|                           |                    |                       | <u>Total Volume: 52.46 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 26.00 ft           |                       |                                | String Weight: Initial 68000.00 lb |
| Depth to Top Packer:      | 3881.00 ft         |                       |                                | Final 71000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 34.00 ft           |                       |                                |                                    |
| Tool Length:              | 61.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3855.00    |                               |
| Shut In Tool     | 5.00        |            | Fluid    | 3860.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3865.00    |                               |
| Jars             | 5.00        |            |          | 3870.00    |                               |
| Safety Joint     | 2.00        |            |          | 3872.00    |                               |
| Packer           | 5.00        |            | Inside   | 3877.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 3881.00    |                               |
| Stubb            | 1.00        |            |          | 3882.00    |                               |
| Recorder         | 0.00        | 8874       | Inside   | 3882.00    |                               |
| Recorder         | 0.00        | 8319       | Outside  | 3882.00    |                               |
| Perforations     | 30.00       |            |          | 3912.00    |                               |
| Bullnose         | 3.00        |            |          | 3915.00    | 34.00 Bottom Packers & Anchor |

**Total Tool Length: 61.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67718

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2022.01.13 @ 04:05:00

## 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:

40000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description             | Volume<br>bbl |
|--------------|-------------------------|---------------|
| 1000.00      | smcw 3m 97w (oil spots) | 12.060        |
| 150.00       | somcw 3o 22m 75w        | 2.104         |
| 50.00        | gw mco 10g 10w 10m 70o  | 0.701         |
| 0.00         | 60' GIP                 | 0.000         |

Total Length: 1200.00 ft      Total Volume: 14.865 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .212 @ 57F = 40000ppm

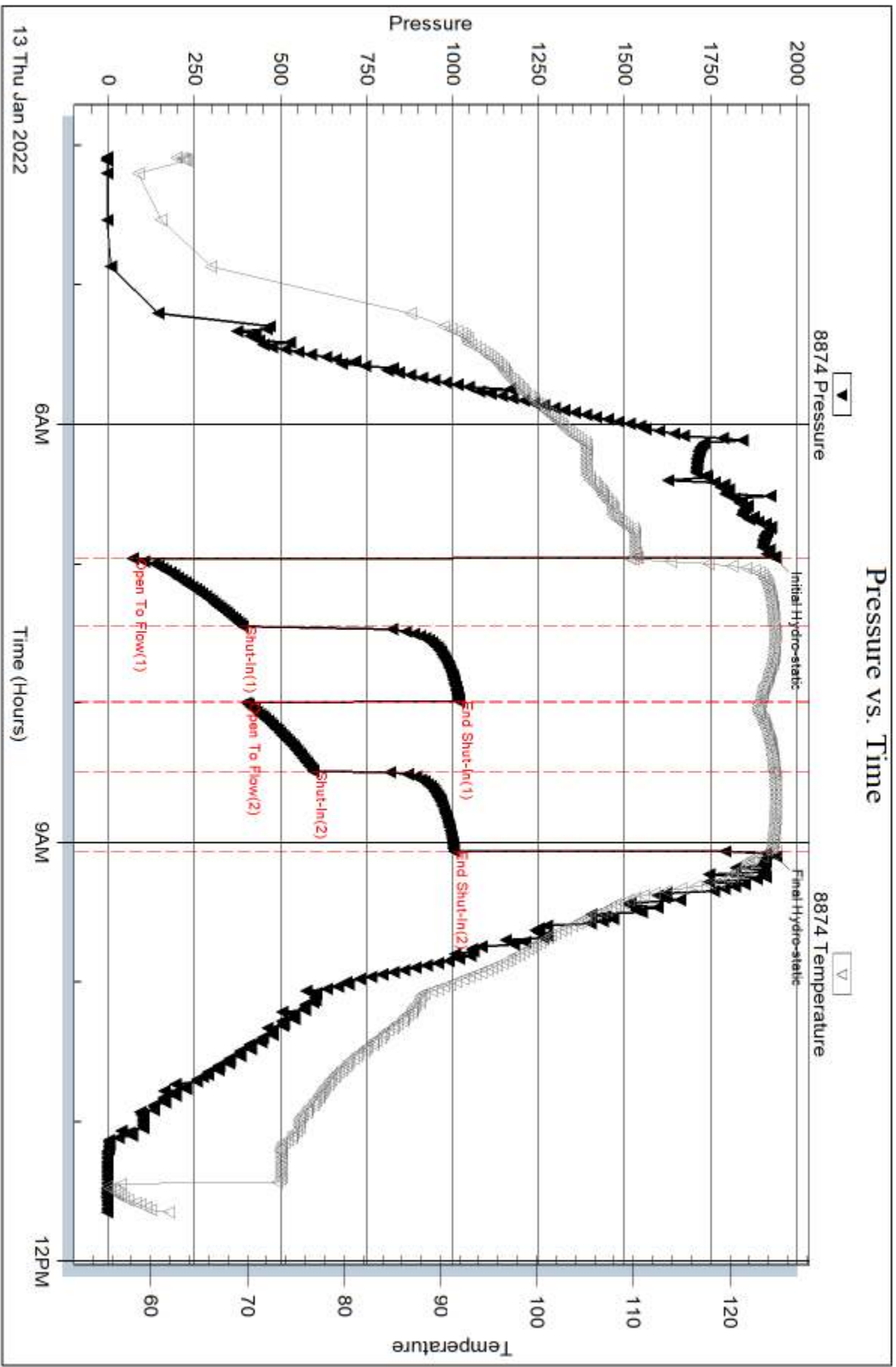
Serial #: 8874

Inside

Palomino Petroleum

Speedway #1

DST Test Number: 1

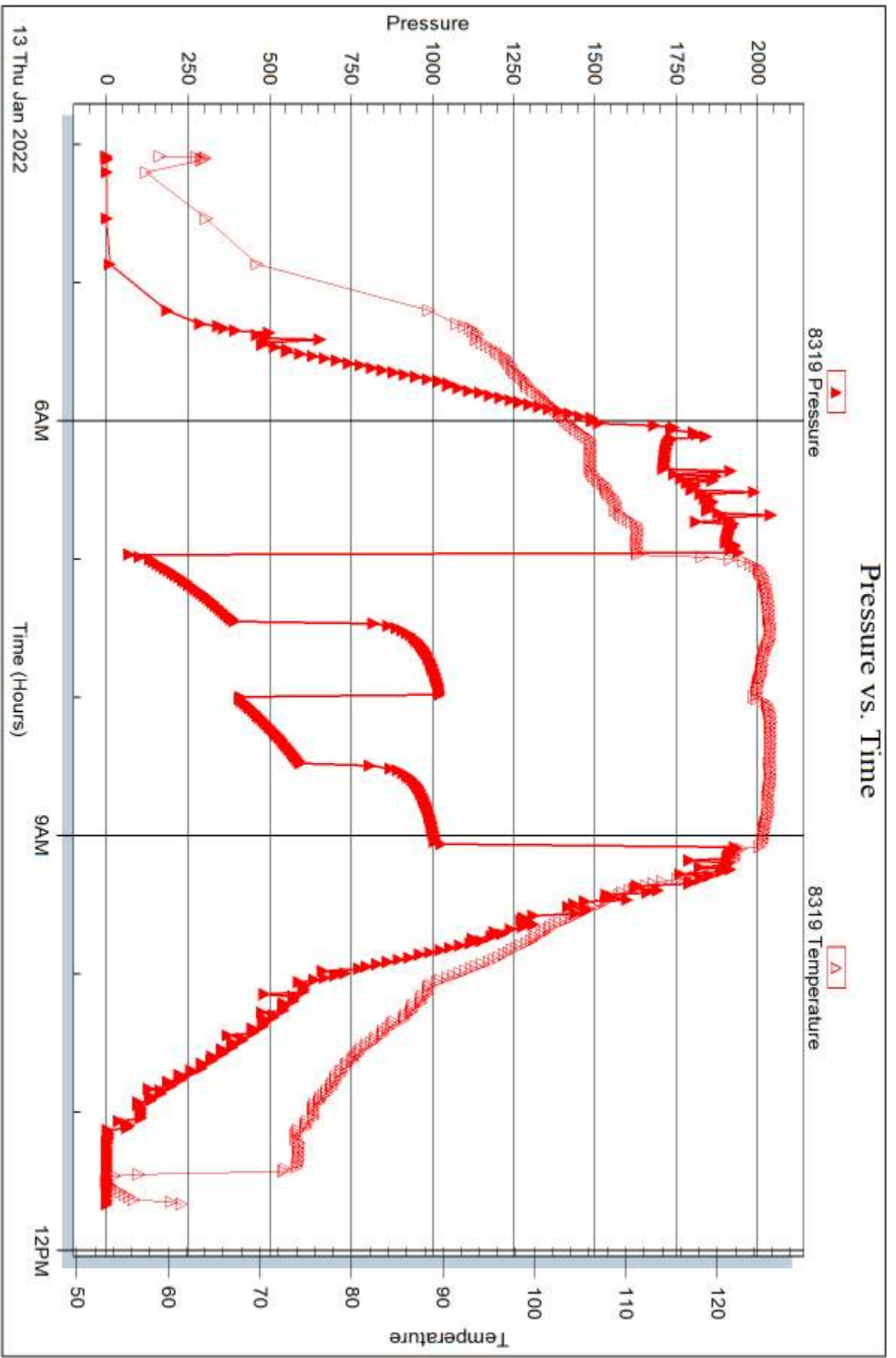


Serial #: 8319

Outside Palomino Petroleum

Speedway #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67718

Printed: 2022.01.24 @ 09:01:06



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.13 @ 23:59:00

End Date: 2022.01.14 @ 06:57:45

Job Ticket #: 67719                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.24 @ 09:00:30



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 New ton, KS 67871  
 ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
 Job Ticket: 67719 **DST#: 2**  
 Test Start: 2022.01.13 @ 23:59:00

## GENERAL INFORMATION:

Formation: **LKC C -F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:18:00  
 Time Test Ended: 06:57:45  
 Interval: **3910.00 ft (KB) To 3985.00 ft (KB) (TVD)**  
 Total Depth: 3985.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 2631.00 ft (KB)  
 2620.00 ft (CF)  
 KB to GR/CF: 11.00 ft

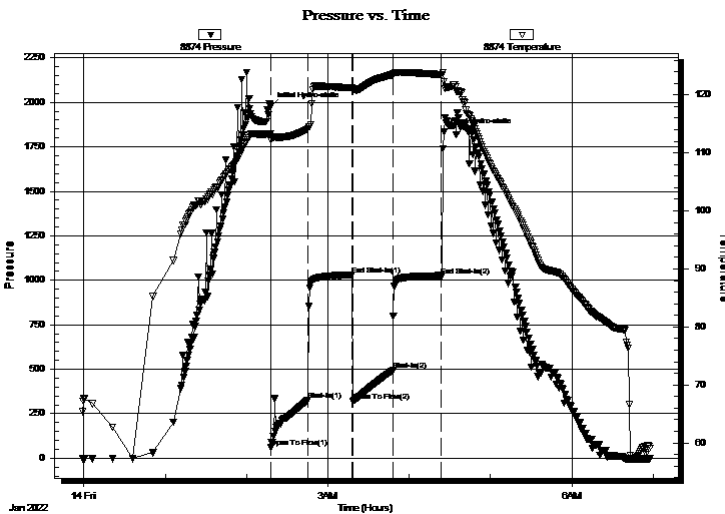
## Serial #: 8874

Inside

Press@RunDepth: 492.31 psig @ 3911.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.13 End Date: 2022.01.14 Last Calib.: 2022.01.14  
 Start Time: 23:59:05 End Time: 06:57:44 Time On Btm: 2022.01.14 @ 02:17:45  
 Time Off Btm: 2022.01.14 @ 04:25:45

TEST COMMENT: IF: BOB @ 5.5 min. 49 3/4" blow .  
 IS: Surface return.  
 FF: BOB @ 5.5 min. 46" blow .  
 FS: No return. 30-30-30-30

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1978.27         | 113.28       | Initial Hydro-static |
| 1           | 58.93           | 112.19       | Open To Flow (1)     |
| 28          | 328.45          | 114.17       | Shut-In(1)           |
| 60          | 1030.55         | 121.23       | End Shut-In(1)       |
| 61          | 321.15          | 121.01       | Open To Flow (2)     |
| 91          | 492.31          | 123.47       | Shut-In(2)           |
| 126         | 1026.82         | 123.46       | End Shut-In(2)       |
| 128         | 1831.81         | 122.35       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                   | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 965.00      | mcw 5m 95w (oil spots on top) | 11.57        |
|             |                               |              |
|             |                               |              |
|             |                               |              |
|             |                               |              |

\* Recovery from multiple tests

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 Newton, KS 67871  
 ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
 Job Ticket: 67719 **DST#: 2**  
 Test Start: 2022.01.13 @ 23:59:00

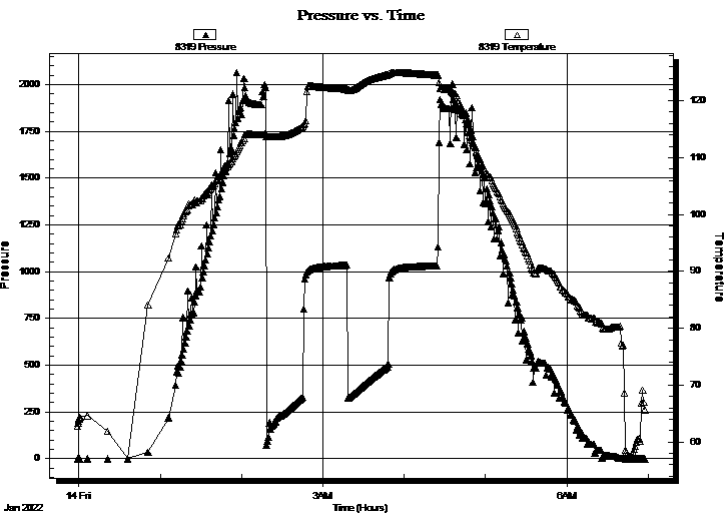
### GENERAL INFORMATION:

Formation: **LKC C -F**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 02:18:00 Tester: Bradley Walter  
 Time Test Ended: 06:57:45 Unit No: 78  
**Interval: 3910.00 ft (KB) To 3985.00 ft (KB) (TVD)**  
 Reference Elevations: 2631.00 ft (KB)  
 Total Depth: 3985.00 ft (KB) (TVD) 2620.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

### Serial #: 8319 Outside

Press@RunDepth: psig @ 3911.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.13 End Date: 2022.01.14 Last Calib.: 2022.01.14  
 Start Time: 23:59:05 End Time: 06:57:44 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: BOB @ 5.5 min. 49 3/4" blow.  
 IS: Surface return.  
 FF: BOB @ 5.5 min. 46" blow.  
 FS: No return. 30-30-30-30



### PRESSURE SUMMARY

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

### Recovery

| Length (ft) | Description                   | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 965.00      | mcw 5m 95w (oil spots on top) | 11.57        |
|             |                               |              |
|             |                               |              |
|             |                               |              |
|             |                               |              |

\* 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

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67719

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2022.01.13 @ 23:59:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3695.00 ft | Diameter: 3.80 inches | Volume: 51.83 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 216.00 ft  | Diameter: 2.25 inches | Volume: 1.06 bbl               | Weight to Pull Loose: 85000.00 lb  |
|                           |                    |                       | <u>Total Volume: 52.89 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 28.00 ft           |                       |                                | String Weight: Initial 70000.00 lb |
| Depth to Top Packer:      | 3910.00 ft         |                       |                                | Final 74000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 75.00 ft           |                       |                                |                                    |
| Tool Length:              | 102.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3884.00    |                               |
| Shut In Tool     | 5.00        |            | Fluid    | 3889.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3894.00    |                               |
| Jars             | 5.00        |            |          | 3899.00    |                               |
| Safety Joint     | 2.00        |            |          | 3901.00    |                               |
| Packer           | 5.00        |            | Inside   | 3906.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 3910.00    |                               |
| Stubb            | 1.00        |            |          | 3911.00    |                               |
| Recorder         | 0.00        | 8874       | Inside   | 3911.00    |                               |
| Recorder         | 0.00        | 8319       | Outside  | 3911.00    |                               |
| Perforations     | 6.00        |            |          | 3917.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3918.00    |                               |
| Drill Pipe       | 63.00       |            |          | 3981.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3982.00    |                               |
| Bullnose         | 3.00        |            |          | 3985.00    | 75.00 Bottom Packers & Anchor |

**Total Tool Length: 102.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
Job Ticket: 67719      **DST#: 2**  
Test Start: 2022.01.13 @ 23:59:00

### 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: 34000 ppm |
| Viscosity: 56.00 sec/qt          | Cushion Volume: bbl        |                           |
| Water Loss: 7.17 in <sup>3</sup> | Gas Cushion Type:          |                           |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                           |
| Salinity: 3000.00 ppm            |                            |                           |
| Filter Cake: 1.00 inches         |                            |                           |

### Recovery Information

Recovery Table

| Length<br>ft | Description                   | Volume<br>bbl |
|--------------|-------------------------------|---------------|
| 965.00       | mcw 5m 95w (oil spots on top) | 11.569        |

Total Length: 965.00 ft      Total Volume: 11.569 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: rw is .332 @ 43 F = 34000ppm



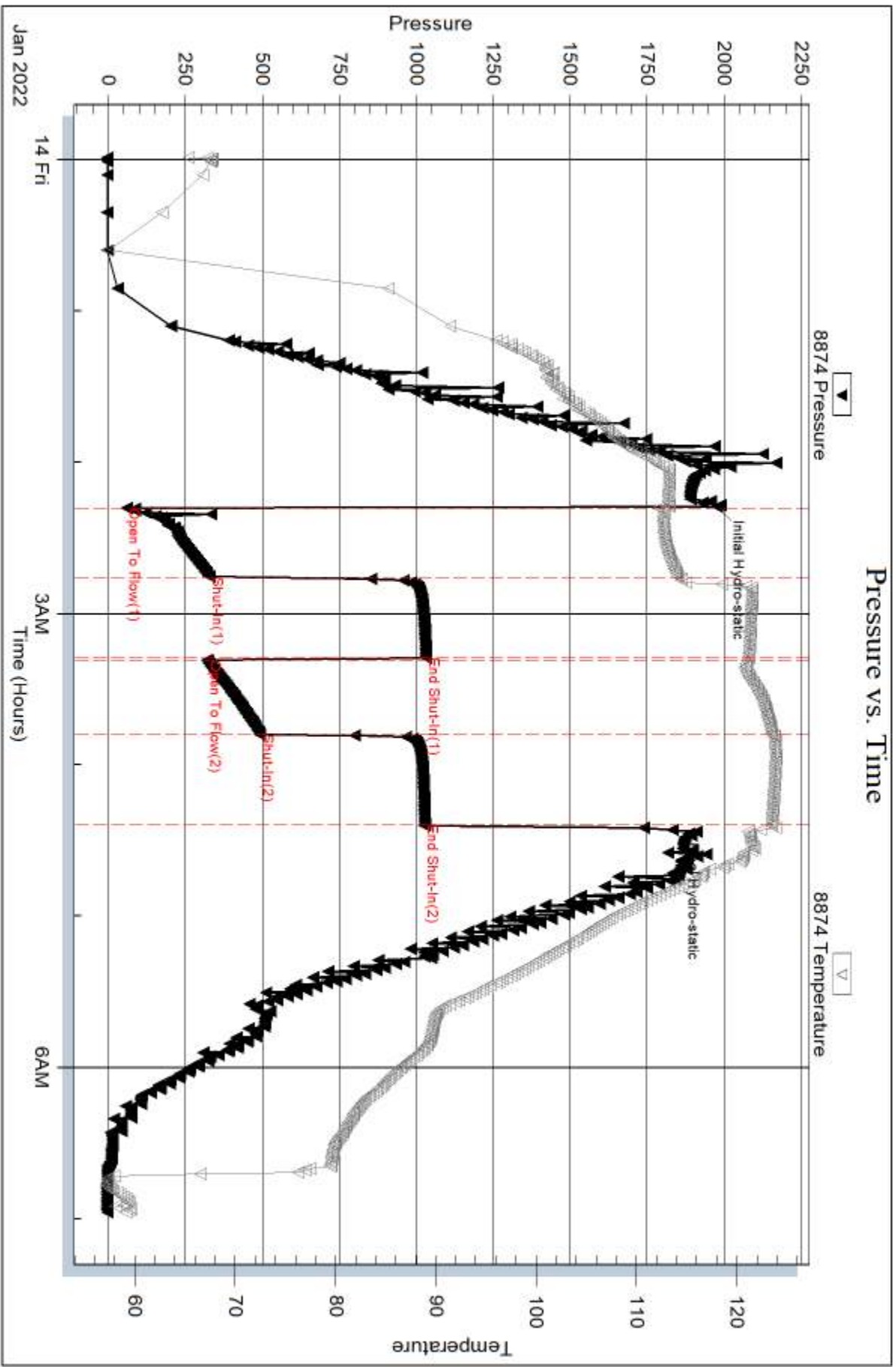
Serial #: 8874

Inside

Palomino Petroleum

Speedway #1

DST Test Number: 2

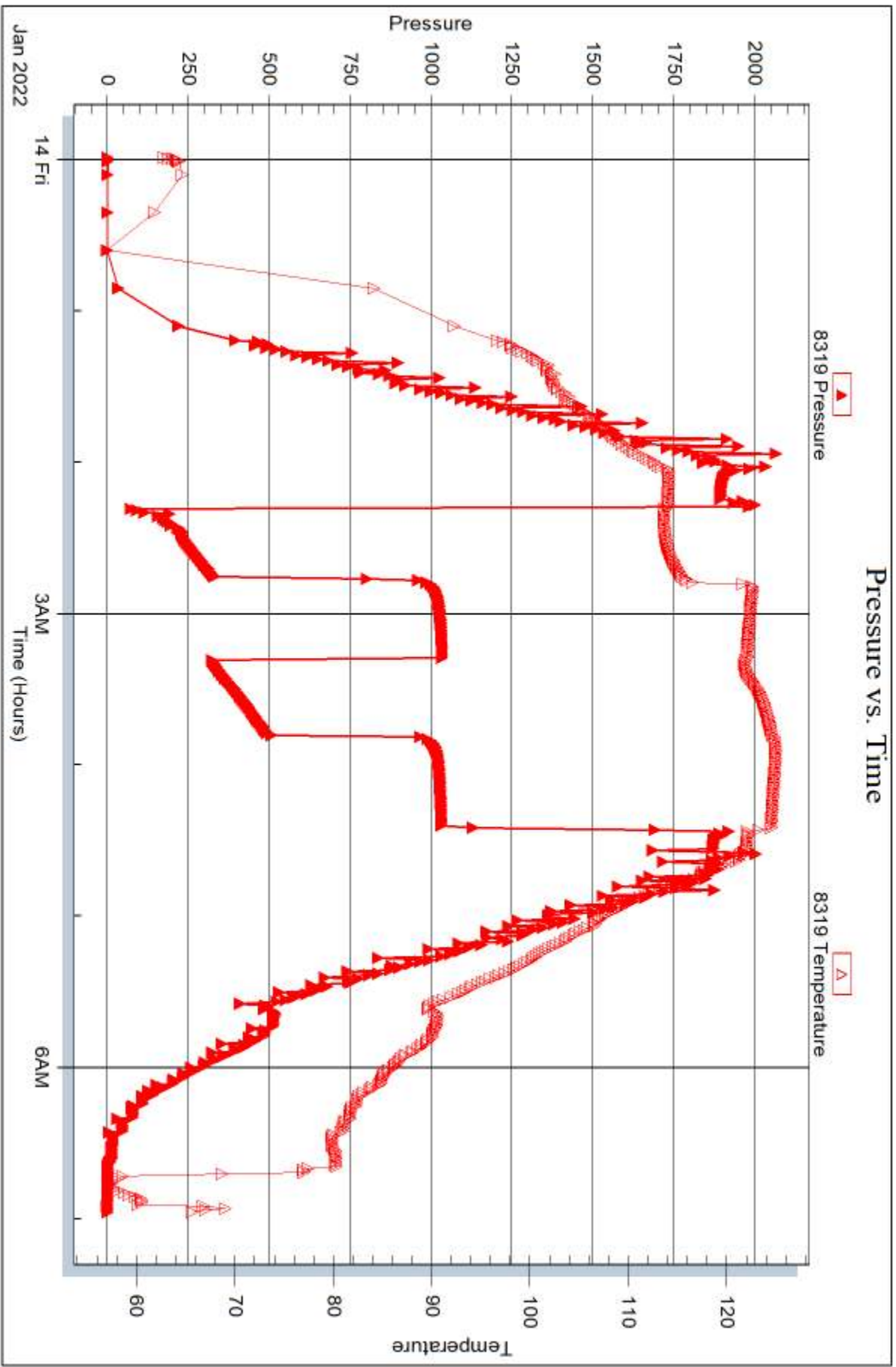


Serial #: 8319

Outside Palomino Petroleum

Speedway #1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.14 @ 16:44:00

End Date: 2022.01.14 @ 22:53:00

Job Ticket #: 67720                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.24 @ 08:57:29



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**

**Speedway #1**

Job Ticket: 67720

**DST#: 3**

Test Start: 2022.01.14 @ 16:44:00

## GENERAL INFORMATION:

Formation: **LKC G**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:55:30  
 Time Test Ended: 22:53:00  
 Interval: **3993.00 ft (KB) To 4030.00 ft (KB) (TVD)**  
 Total Depth: 4030.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 2631.00 ft (KB)  
 2620.00 ft (CF)  
 KB to GR/CF: 11.00 ft

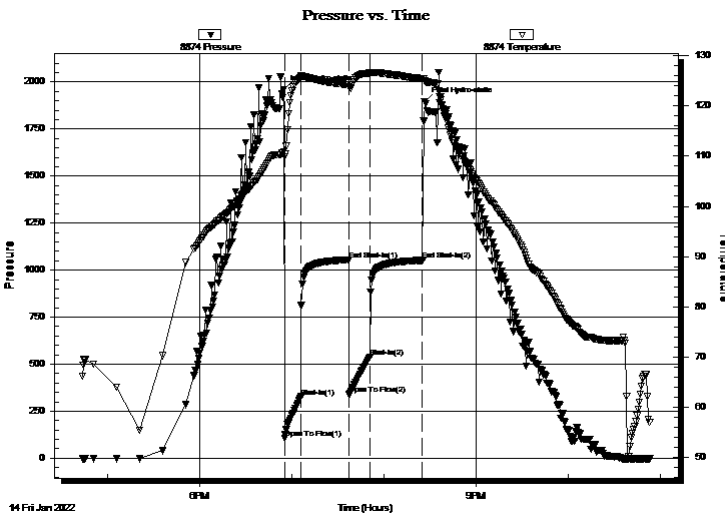
## Serial #: 8874

Inside

Press@RunDepth: 537.30 psig @ 3994.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.14 End Date: 2022.01.14 Last Calib.: 2022.01.14  
 Start Time: 16:44:05 End Time: 22:52:59 Time On Btm: 2022.01.14 @ 18:55:00  
 Time Off Btm: 2022.01.14 @ 20:26:30

TEST COMMENT: IF: BOB @ 1.5 min. built to 51.3"  
 IS: 1/2" return.  
 FF: BOB @ 2 min. built to 56.9"  
 FS: No return. 10-30-15-30

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1961.00         | 110.82       | Initial Hydro-static |
| 1           | 104.49          | 109.87       | Open To Flow (1)     |
| 11          | 326.89          | 125.61       | Shut-In(1)           |
| 42          | 1055.20         | 124.14       | End Shut-In(1)       |
| 43          | 340.99          | 123.78       | Open To Flow (2)     |
| 56          | 537.30          | 126.50       | Shut-In(2)           |
| 90          | 1052.33         | 125.38       | End Shut-In(2)       |
| 92          | 1896.67         | 124.92       | Final Hydro-static   |

## Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 1085.00     | mcw 3m 97w (oil spots) | 13.25        |
|             |                        |              |
|             |                        |              |
|             |                        |              |
|             |                        |              |

\* 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

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67720

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2022.01.14 @ 16:44:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3760.00 ft | Diameter: 3.80 inches | Volume: 52.74 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 216.00 ft  | Diameter: 2.25 inches | Volume: 1.06 bbl               | Weight to Pull Loose: 85000.00 lb  |
|                           |                    |                       | <u>Total Volume: 53.80 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 10.00 ft           |                       |                                | String Weight: Initial 70000.00 lb |
| Depth to Top Packer:      | 3993.00 ft         |                       |                                | Final 74000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 62.00 ft           |                       |                                |                                    |
| Tool Length:              | 89.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3967.00    |                               |
| Shut In Tool     | 5.00        |            | Fluid    | 3972.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3977.00    |                               |
| Jars             | 5.00        |            |          | 3982.00    |                               |
| Safety Joint     | 2.00        |            |          | 3984.00    |                               |
| Packer           | 5.00        |            | Inside   | 3989.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 3993.00    |                               |
| Stubb            | 1.00        |            |          | 3994.00    |                               |
| Recorder         | 0.00        | 8874       | Inside   | 3994.00    |                               |
| Recorder         | 0.00        | 8319       | Outside  | 3994.00    |                               |
| Perforations     | 25.00       |            |          | 4019.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4020.00    |                               |
| Drill Pipe       | 31.00       |            |          | 4051.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4052.00    |                               |
| Bullnose         | 3.00        |            |          | 4055.00    | 62.00 Bottom Packers & Anchor |

**Total Tool Length: 89.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67720

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2022.01.14 @ 16:44:00

### 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:

63000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description            | Volume<br>bbl |
|--------------|------------------------|---------------|
| 1085.00      | mcw 3m 97w (oil spots) | 13.252        |

Total Length: 1085.00 ft      Total Volume: 13.252 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .188 @ 45F = 63000ppm

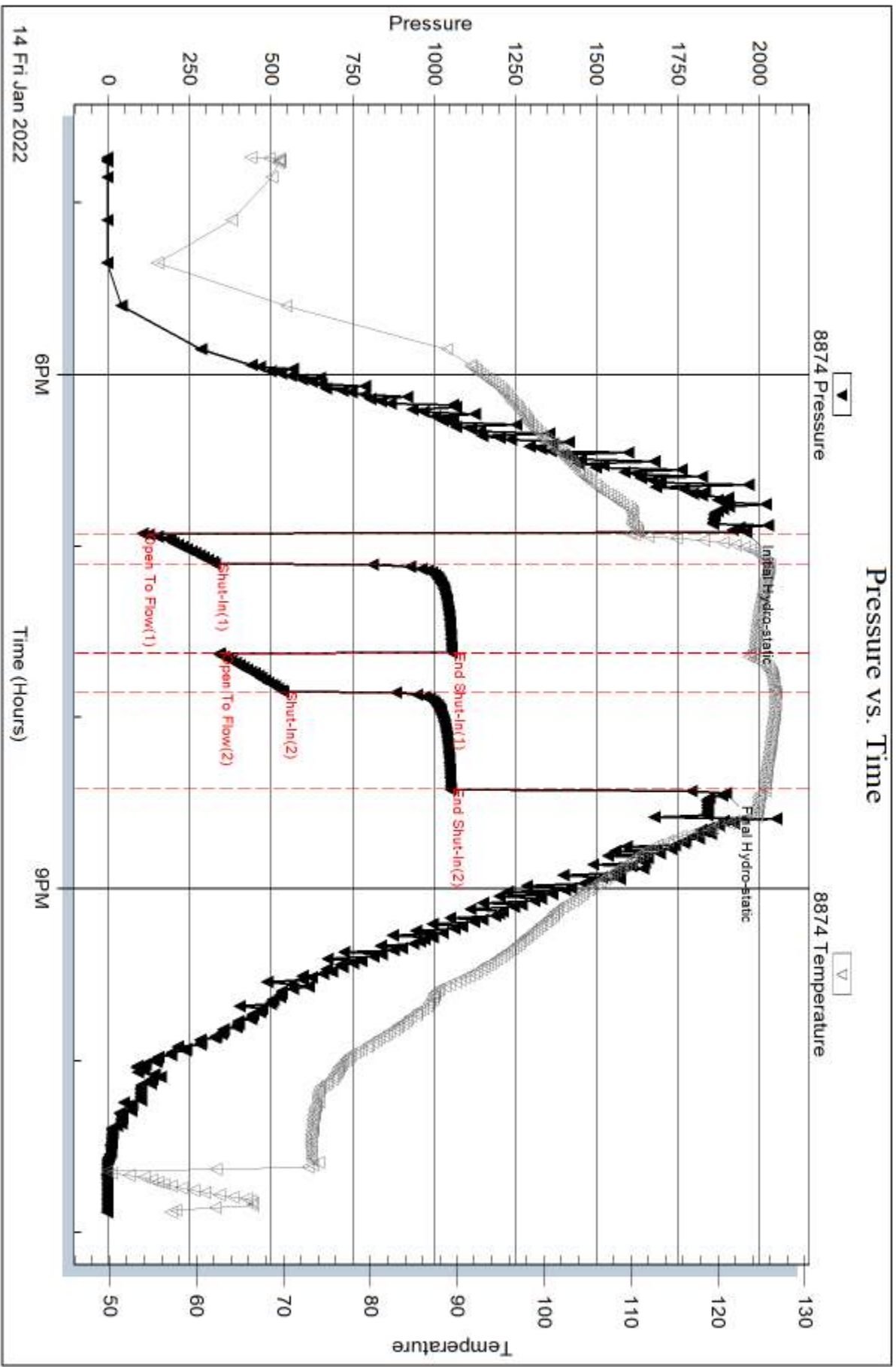
Serial #: 8874

Inside

Palomino Petroleum

Speedway #1

DST Test Number: 3



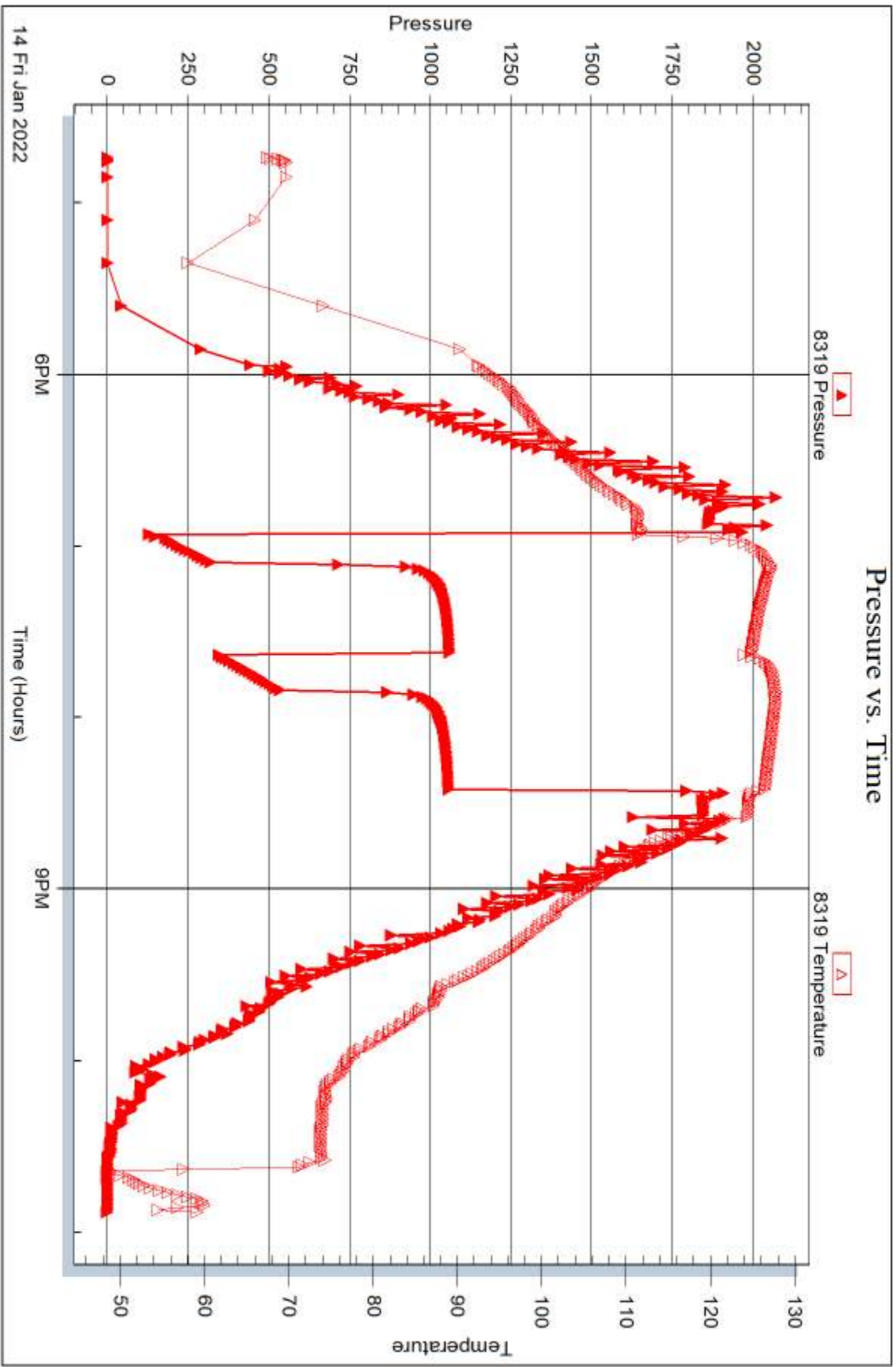


Serial #: 8319

Outside Palomino Petroleum

Speedway #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 67720

Printed: 2022.01.24 @ 08:57:30



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.15 @ 10:59:00

End Date: 2022.01.15 @ 17:15:30

Job Ticket #: 67721                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.24 @ 08:53:50



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 New ton, KS 67871  
 ATTN: Ryan Seib

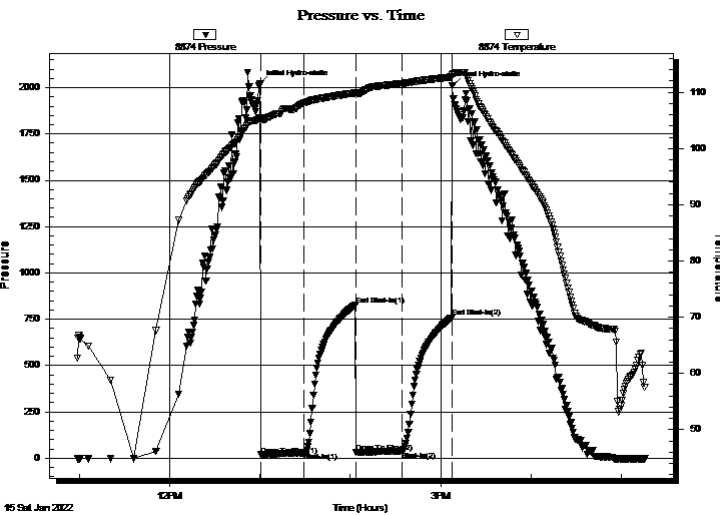
**3-16s-27w Lane, KS**  
**Speedway #1**  
 Job Ticket: 67721 **DST#: 4**  
 Test Start: 2022.01.15 @ 10:59:00

## GENERAL INFORMATION:

Formation: **LKC H - I**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:00:30  
 Time Test Ended: 17:15:30  
 Interval: **4036.00 ft (KB) To 4090.00 ft (KB) (TVD)**  
 Total Depth: 4090.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Braley Walter  
 Unit No: 78  
 Reference Elevations: 2631.00 ft (KB)  
 2620.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8874 Inside**  
 Press@RunDepth: 37.68 psig @ 4037.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.15 End Date: 2022.01.15 Last Calib.: 2022.01.15  
 Start Time: 10:59:05 End Time: 17:15:29 Time On Btm: 2022.01.15 @ 13:00:15  
 Time Off Btm: 2022.01.15 @ 15:07:45

TEST COMMENT: IF: 1 1/2" blow .  
 IS: No return.  
 FF: 1/2" blow .  
 FS: No return. 30-30-30-30



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2018.91         | 105.47       | Initial Hydro-static |
| 1           | 18.48           | 104.75       | Open To Flow (1)     |
| 29          | 32.30           | 108.07       | Shut-In(1)           |
| 64          | 828.47          | 109.89       | End Shut-In(1)       |
| 64          | 30.69           | 109.61       | Open To Flow (2)     |
| 94          | 37.68           | 111.55       | Shut-In(2)           |
| 127         | 759.84          | 112.73       | End Shut-In(2)       |
| 128         | 2009.59         | 113.15       | Final Hydro-static   |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 30.00       | Mud 100m (oil spots) |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 New ton, KS 67871  
 ATTN: Ryan Seib

**3-16s-27w Lane, KS**

**Speedway #1**

Job Ticket: 67721      **DST#: 4**  
 Test Start: 2022.01.15 @ 10:59:00

## GENERAL INFORMATION:

Formation: **LKC H - I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:00:30

Time Test Ended: 17:15:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Braley Walter

Unit No: 78

**Interval: 4036.00 ft (KB) To 4090.00 ft (KB) (TVD)**

Total Depth: 4090.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2631.00 ft (KB)

2620.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8319 Outside**

Press@RunDepth: psig @ 4037.00 ft (KB)

Start Date: 2022.01.15 End Date: 2022.01.15

Start Time: 10:59:05 End Time: 17:15:29

Capacity: 8000.00 psig

Last Calib.: 2022.01.15

Time On Btm:

Time Off Btm:

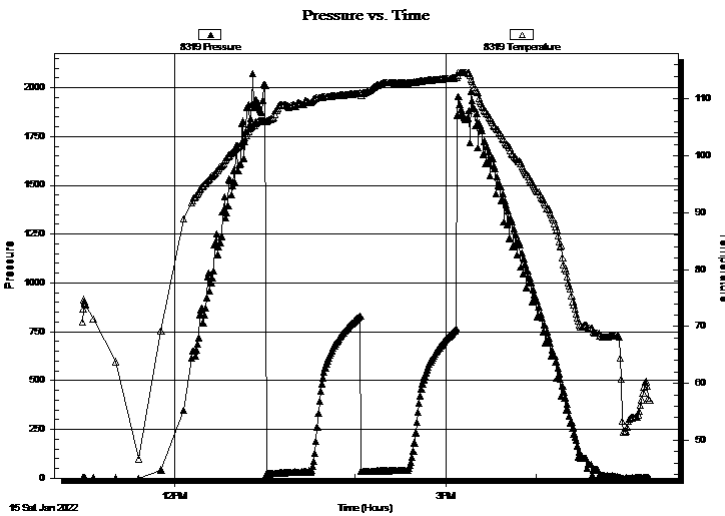
TEST COMMENT: IF: 1 1/2" blow.

IS: No return.

FF: 1/2" blow.

FS: No return. 30-30-30-30

## PRESSURE SUMMARY



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

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 30.00       | Mud 100m (oil spots) |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
Job Ticket: 67721 **DST#: 4**  
Test Start: 2022.01.15 @ 10:59:00

## Tool Information

|                           |                    |           |             |                                  |                        |             |
|---------------------------|--------------------|-----------|-------------|----------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3826.00 ft | Diameter: | inches      | Volume: 3716663 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: 216.00 ft  | Diameter: | inches      | Volume: 2098272 bbl              | Weight to Pull Loose:  | 80000.00 lb |
|                           |                    |           |             | <u>Total Volume: 3926490 bbl</u> | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 33.00 ft           |           |             |                                  | String Weight: Initial | 70000.00 lb |
| Depth to Top Packer:      | 4036.00 ft         |           |             |                                  | Final                  | 70000.00 lb |
| Depth to Bottom Packer:   | ft                 |           |             |                                  |                        |             |
| Interval between Packers: | 54.00 ft           |           |             |                                  |                        |             |
| Tool Length:              | 81.00 ft           |           |             |                                  |                        |             |
| Number of Packers:        | 2                  | Diameter: | 6.75 inches |                                  |                        |             |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4010.00    |                               |
| Shut In Tool     | 5.00        |            | Fluid    | 4015.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4020.00    |                               |
| Jars             | 5.00        |            |          | 4025.00    |                               |
| Safety Joint     | 2.00        |            |          | 4027.00    |                               |
| Packer           | 5.00        |            | Inside   | 4032.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4036.00    |                               |
| Stubb            | 1.00        |            |          | 4037.00    |                               |
| Recorder         | 0.00        | 8874       | Inside   | 4037.00    |                               |
| Recorder         | 0.00        | 8319       | Outside  | 4037.00    |                               |
| Perforations     | 17.00       |            |          | 4054.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4055.00    |                               |
| Drill Pipe       | 31.00       |            |          | 4086.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4087.00    |                               |
| Bullnose         | 3.00        |            |          | 4090.00    | 54.00 Bottom Packers & Anchor |

**Total Tool Length: 81.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67721

**DST#: 4**

ATTN: Ryan Seib

Test Start: 2022.01.15 @ 10:59:00

### 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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbbl |
|--------------|----------------------|----------------|
| 30.00        | Mud 100m (oil spots) |                |

Total Length: 30.00 ft

Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

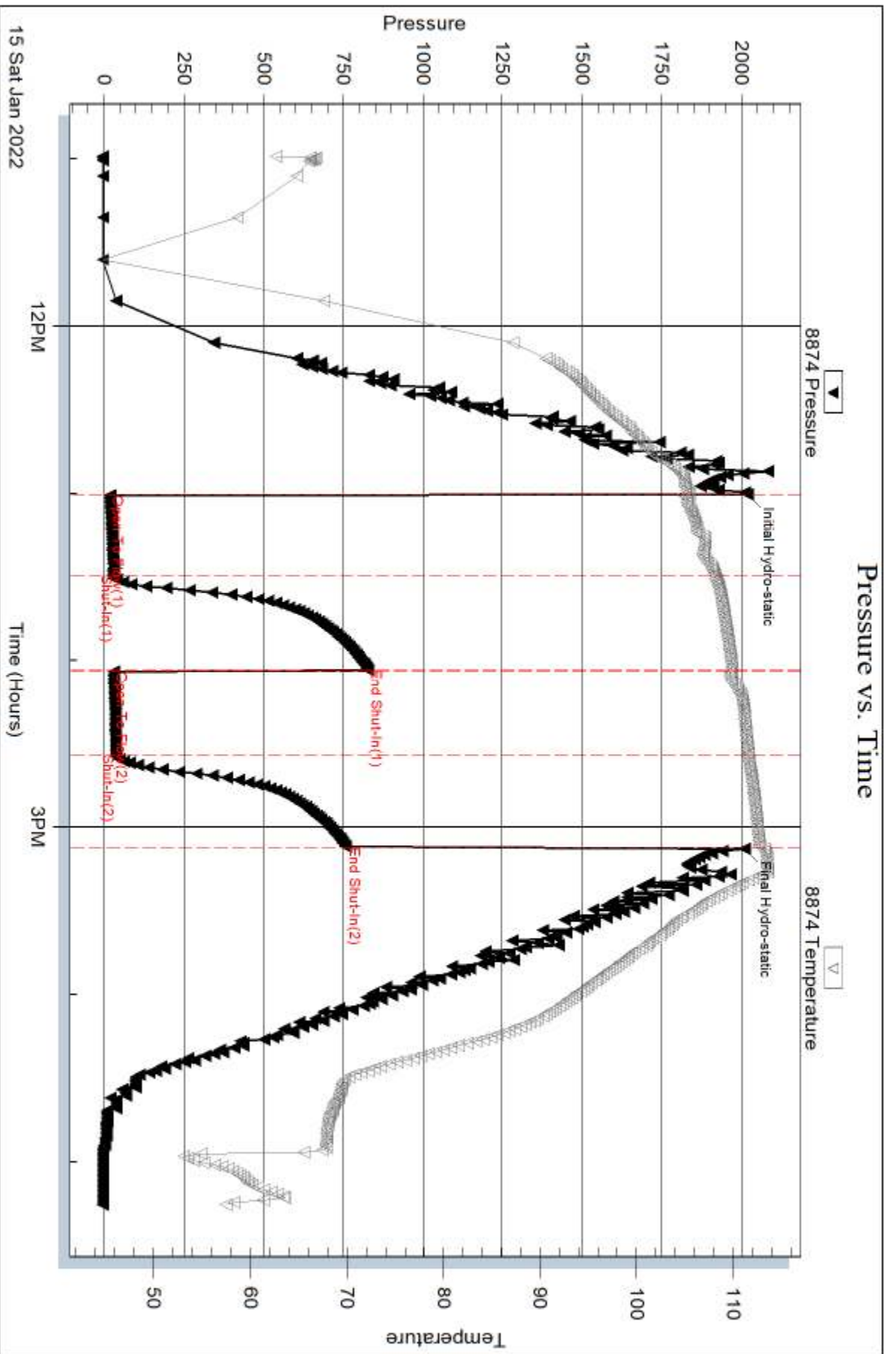
Serial #: 8874

Inside

Palomino Petroleum

Speedway #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 67721

Printed: 2022.01.24 @ 08:53:54

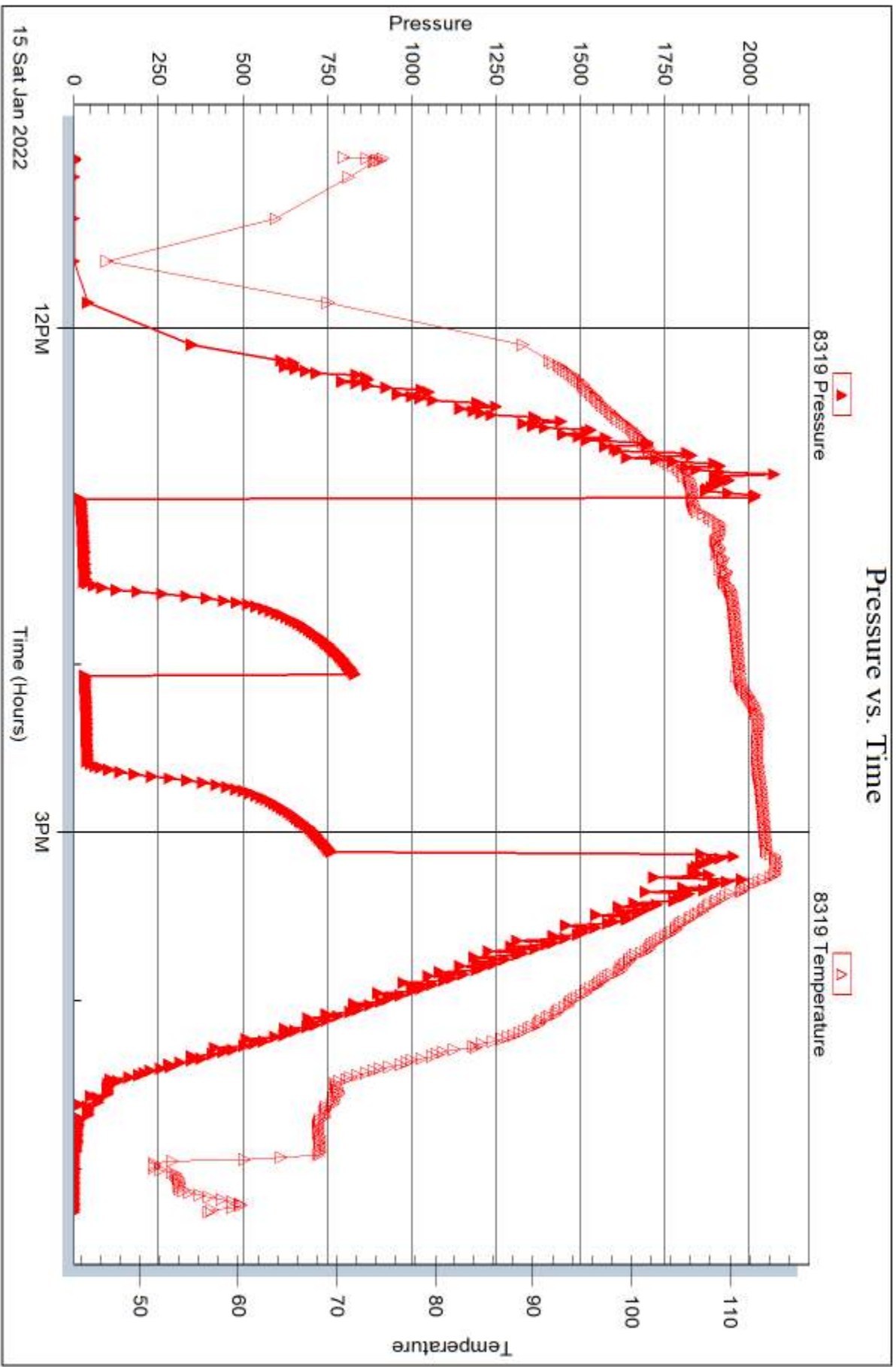
Serial #: 8319

Outside

Palomino Petroleum

Speedway #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 67721

Printed: 2022.01.24 @ 08:53:55





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.16 @ 02:47:00

End Date: 2022.01.16 @ 09:03:15

Job Ticket #: 67722                      DST #: 5

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

Printed: 2022.01.21 @ 16:36:48



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 New ton, KS 67871  
 ATTN: Ryan Seib

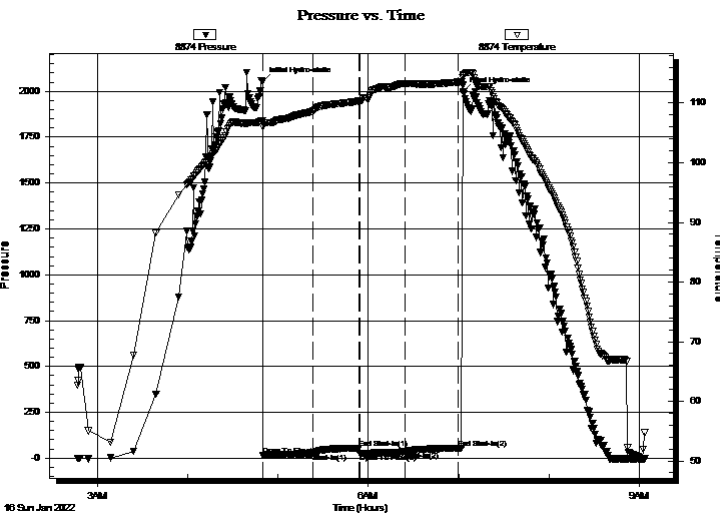
**3-16s-27w Lane, KS**  
**Speedway #1**  
 Job Ticket: 67722 **DST#: 5**  
 Test Start: 2022.01.16 @ 02:47:00

## GENERAL INFORMATION:

Formation: **LKC J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:50:00  
 Time Test Ended: 09:03:15  
 Interval: **4100.00 ft (KB) To 4130.00 ft (KB) (TVD)**  
 Total Depth: 4130.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 2631.00 ft (KB)  
 2620.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8874** **Inside**  
 Press@RunDepth: 36.58 psig @ 4101.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.16 End Date: 2022.01.16 Last Calib.: 2022.01.16  
 Start Time: 02:47:05 End Time: 09:03:14 Time On Btm: 2022.01.16 @ 04:49:45  
 Time Off Btm: 2022.01.16 @ 07:03:00

TEST COMMENT: IF: 3/4" blow .  
 IS: No return.  
 FF: 1/4" blow .  
 FS: No return. 30-30-30-30



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2054.41         | 107.01       | Initial Hydro-static |
| 1           | 15.43           | 105.98       | Open To Flow (1)     |
| 34          | 24.11           | 108.62       | Shut-In(1)           |
| 64          | 53.19           | 110.32       | End Shut-In(1)       |
| 65          | 25.33           | 110.31       | Open To Flow (2)     |
| 95          | 36.58           | 113.29       | Shut-In(2)           |
| 130         | 52.79           | 113.53       | End Shut-In(2)       |
| 134         | 1999.15         | 114.59       | Final Hydro-static   |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 20.00       | Mud 100m (oil spots) | 0.10         |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

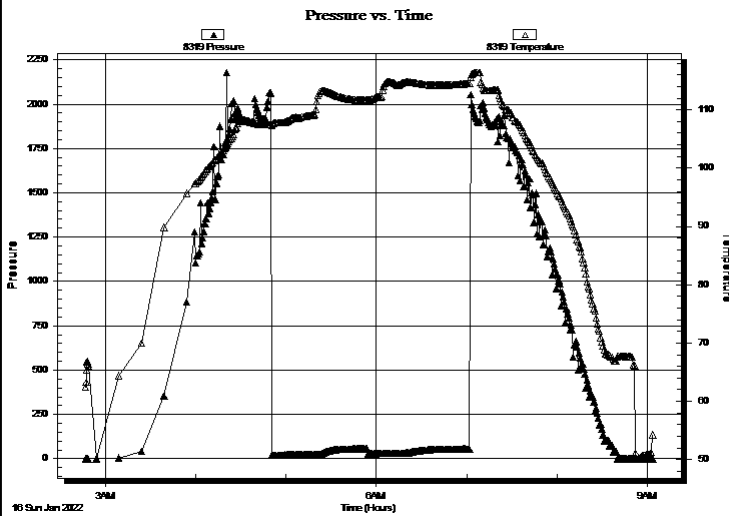
**3-16s-27w Lane, KS**  
**Speedway #1**  
Job Ticket: 67722 **DST#: 5**  
Test Start: 2022.01.16 @ 02:47:00

**GENERAL INFORMATION:**

Formation: **LKC J**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 04:50:00 Tester: Bradley Walter  
Time Test Ended: 09:03:15 Unit No: 78  
**Interval: 4100.00 ft (KB) To 4130.00 ft (KB) (TVD)** Reference Elevations: 2631.00 ft (KB)  
Total Depth: 4130.00 ft (KB) (TVD) 2620.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

**Serial #: 8319 Outside**  
Press@RunDepth: psig @ 4101.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2022.01.16 End Date: 2022.01.16 Last Calib.: 2022.01.16  
Start Time: 02:47:05 End Time: 09:03:14 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: 3/4" blow .  
IS: No return.  
FF: 1/4" blow .  
FS: No return. 30-30-30-30



| PRESSURE SUMMARY |                 |              |            |
|------------------|-----------------|--------------|------------|
| Time (Min.)      | Pressure (psig) | Temp (deg F) | Annotation |
|                  |                 |              |            |
|                  |                 |              |            |
|                  |                 |              |            |

| Recovery    |                      |              |
|-------------|----------------------|--------------|
| Length (ft) | Description          | Volume (bbl) |
| 20.00       | Mud 100m (oil spots) | 0.10         |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

\* 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

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67722

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2022.01.16 @ 02:47:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3890.00 ft | Diameter: 3.80 inches | Volume: 54.57 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 216.00 ft  | Diameter: 2.25 inches | Volume: 1.06 bbl               | Weight to Pull Loose: 80000.00 lb  |
|                           |                    |                       | <u>Total Volume: 55.63 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 33.00 ft           |                       |                                | String Weight: Initial 70000.00 lb |
| Depth to Top Packer:      | 4100.00 ft         |                       |                                | Final 70000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 30.00 ft           |                       |                                |                                    |
| Tool Length:              | 57.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4074.00    |                               |
| Shut In Tool     | 5.00        |            | Fluid    | 4079.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4084.00    |                               |
| Jars             | 5.00        |            |          | 4089.00    |                               |
| Safety Joint     | 2.00        |            |          | 4091.00    |                               |
| Packer           | 5.00        |            | Inside   | 4096.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4100.00    |                               |
| Stubb            | 1.00        |            |          | 4101.00    |                               |
| Recorder         | 0.00        | 8874       | Inside   | 4101.00    |                               |
| Recorder         | 0.00        | 8319       | Outside  | 4101.00    |                               |
| Perforations     | 26.00       |            |          | 4127.00    |                               |
| Bullnose         | 3.00        |            |          | 4130.00    | 30.00 Bottom Packers & Anchor |

**Total Tool Length: 57.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
Job Ticket: 67722      **DST#: 5**  
Test Start: 2022.01.16 @ 02:47:00

## 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: 66.00 sec/qt          | Cushion Volume: bbl        |                 |           |
| Water Loss: 5.98 in <sup>3</sup> | Gas Cushion Type:          |                 |           |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                 |           |
| Salinity: 3300.00 ppm            |                            |                 |           |
| Filter Cake: 1.00 inches         |                            |                 |           |

## Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |
|--------------|----------------------|---------------|
| 20.00        | Mud 100m (oil spots) | 0.098         |

Total Length: 20.00 ft      Total Volume: 0.098 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 8874

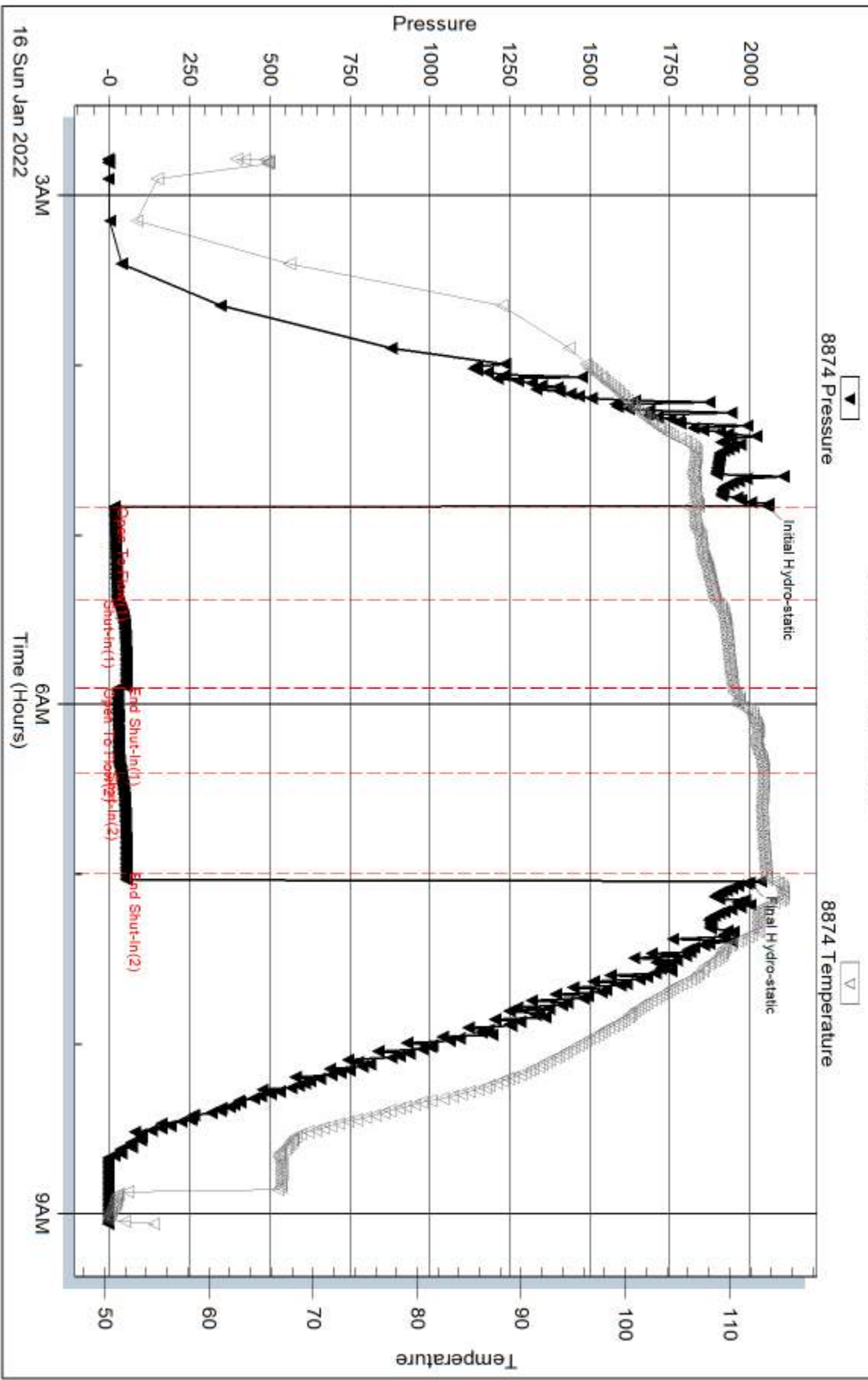
Inside

Palomino Petroleum

Speedway #1

DST Test Number: 5

### Pressure vs. Time

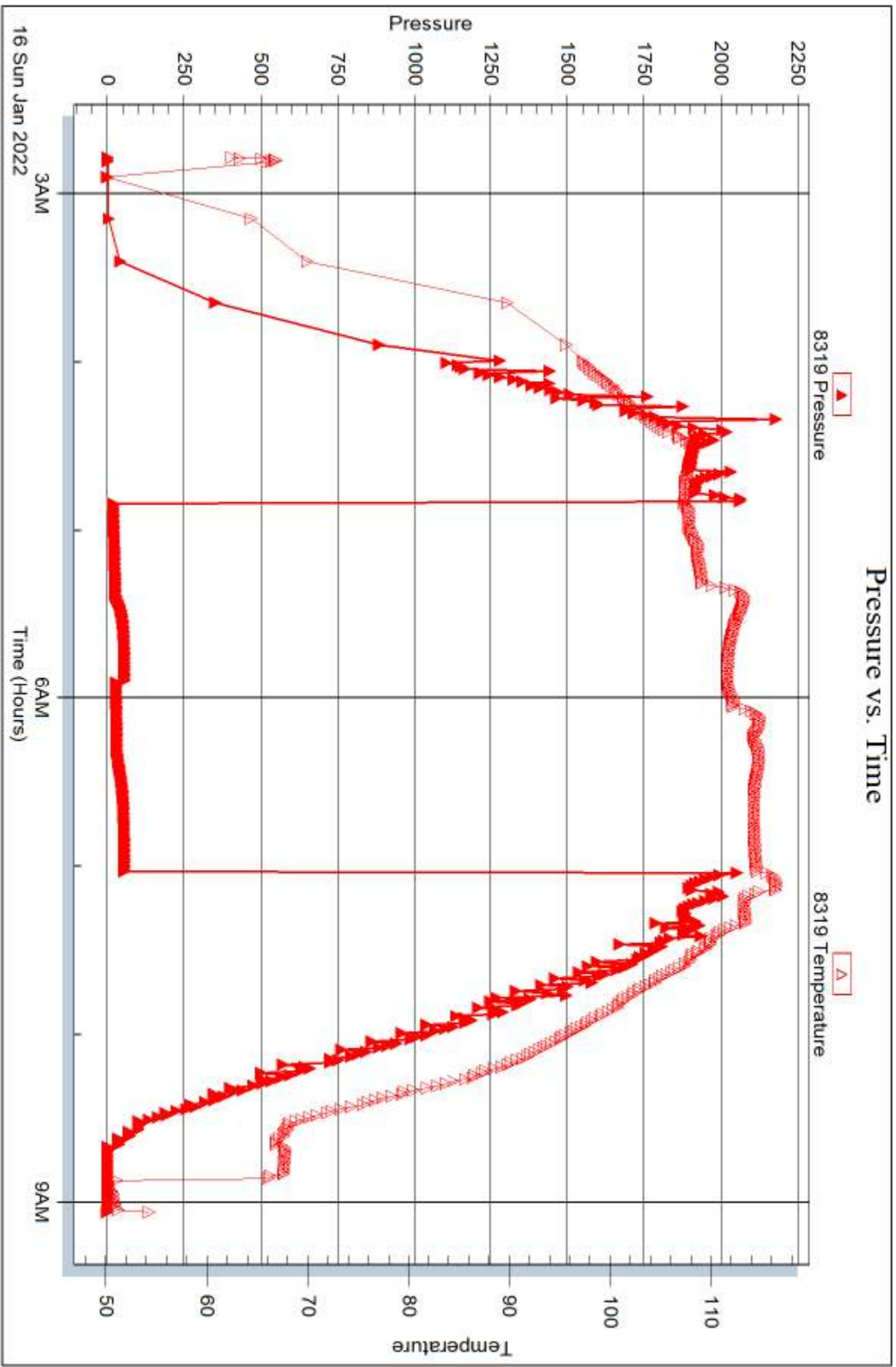


Serial #: 8319

Outside Palomino Petroleum

Speedway #1

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 67722

Printed: 2022.01.21 @ 16:36:49



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.16 @ 21:18:00

End Date: 2022.01.17 @ 03:35:45

Job Ticket #: 67723                      DST #: 6

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

Printed: 2022.01.21 @ 16:35:39





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 New ton, KS 67871  
 ATTN: Ryan Seib

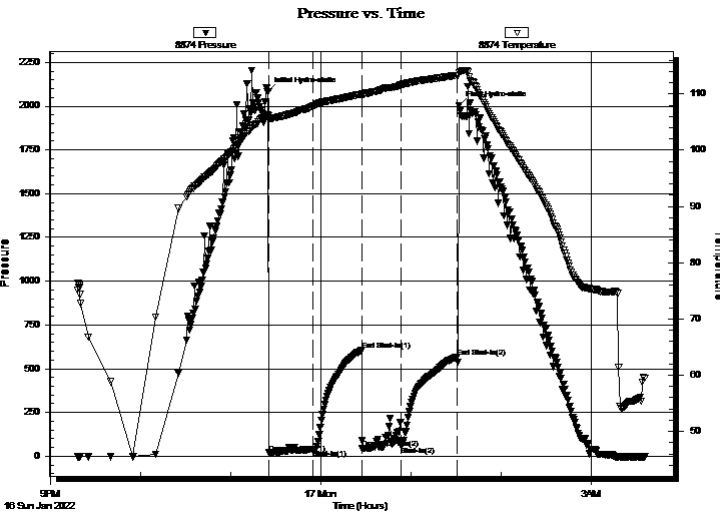
**3-16s-27w Lane, KS**  
**Speedway #1**  
 Job Ticket: 67723 **DST#: 6**  
 Test Start: 2022.01.16 @ 21:18:00

## GENERAL INFORMATION:

Formation: **LKC- K - L**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:25:15  
 Time Test Ended: 03:35:45  
 Interval: **4134.00 ft (KB) To 4210.00 ft (KB) (TVD)**  
 Total Depth: 4210.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 2631.00 ft (KB)  
 2620.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8874** **Inside**  
 Press@RunDepth: 59.23 psig @ 4135.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.16 End Date: 2022.01.17 Last Calib.: 2022.01.17  
 Start Time: 21:18:05 End Time: 03:35:44 Time On Btm: 2022.01.16 @ 23:25:00  
 Time Off Btm: 2022.01.17 @ 01:32:00

**TEST COMMENT:** IF: 2" blow.  
 IS: No return.  
 FF: 3/4" blow.  
 FS: No return. 30-30-30-30



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2084.92         | 106.16       | Initial Hydro-static |
| 1           | 19.12           | 105.37       | Open To Flow (1)     |
| 30          | 39.22           | 107.83       | Shut-In(1)           |
| 63          | 605.26          | 109.98       | End Shut-In(1)       |
| 63          | 44.67           | 109.83       | Open To Flow (2)     |
| 89          | 59.23           | 111.55       | Shut-In(2)           |
| 126         | 568.60          | 113.29       | End Shut-In(2)       |
| 127         | 2003.26         | 113.80       | Final Hydro-static   |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 70.00       | w cm 20w 80m (Oil spots) | 0.34         |
|             |                          |              |
|             |                          |              |
|             |                          |              |
|             |                          |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67723

**DST#: 6**

ATTN: Ryan Seib

Test Start: 2022.01.16 @ 21:18:00

## GENERAL INFORMATION:

Formation: **LKC- K - L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:25:15

Time Test Ended: 03:35:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4134.00 ft (KB) To 4210.00 ft (KB) (TVD)**

Reference Elevations: 2631.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

2620.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8319**

**Outside**

Press@RunDepth: psig @ 4135.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.16

End Date:

2022.01.17

Last Calib.:

2022.01.17

Start Time: 21:18:05

End Time:

03:35:44

Time On Btm:

Time Off Btm:

## TEST COMMENT:

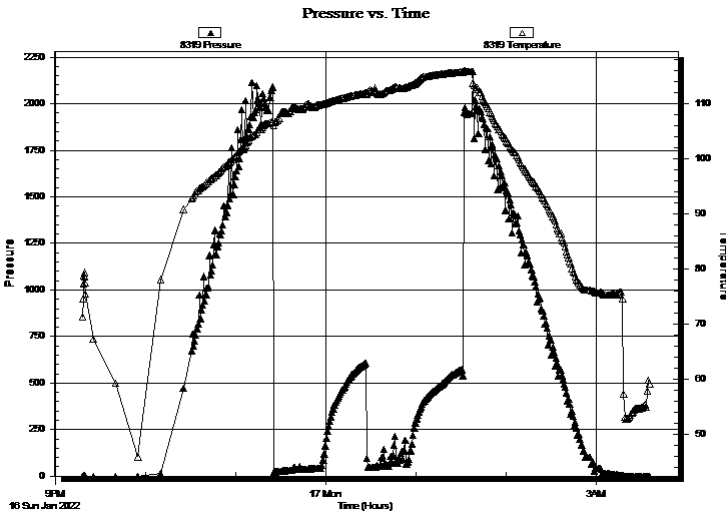
IF: 2" blow.

IS: No return.

FF: 3/4" blow.

FS: No return. 30-30-30-30

## PRESSURE SUMMARY



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

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 70.00       | w cm 20w 80m (Oil spots) | 0.34         |
|             |                          |              |
|             |                          |              |
|             |                          |              |
|             |                          |              |

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67723

**DST#: 6**

ATTN: Ryan Seib

Test Start: 2022.01.16 @ 21:18:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3921.00 ft | Diameter: 3.80 inches | Volume: 55.00 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 216.00 ft  | Diameter: 2.25 inches | Volume: 1.06 bbl               | Weight to Pull Loose: 85000.00 lb  |
|                           |                    |                       | <u>Total Volume: 56.06 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 30.00 ft           |                       |                                | String Weight: Initial 70000.00 lb |
| Depth to Top Packer:      | 4134.00 ft         |                       |                                | Final 70000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 76.00 ft           |                       |                                |                                    |
| Tool Length:              | 103.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4108.00    |                               |
| Shut In Tool     | 5.00        |            | Fluid    | 4113.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4118.00    |                               |
| Jars             | 5.00        |            |          | 4123.00    |                               |
| Safety Joint     | 2.00        |            |          | 4125.00    |                               |
| Packer           | 5.00        |            | Inside   | 4130.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4134.00    |                               |
| Stubb            | 1.00        |            |          | 4135.00    |                               |
| Recorder         | 0.00        | 8874       | Inside   | 4135.00    |                               |
| Recorder         | 0.00        | 8319       | Outside  | 4135.00    |                               |
| Perforations     | 7.00        |            |          | 4142.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4143.00    |                               |
| Drill Pipe       | 63.00       |            |          | 4206.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4207.00    |                               |
| Bullnose         | 3.00        |            |          | 4210.00    | 76.00 Bottom Packers & Anchor |

**Total Tool Length: 103.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67723

**DST#: 6**

ATTN: Ryan Seib

Test Start: 2022.01.16 @ 21:18:00

### 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:

31000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 70.00        | w cm 20w 80m (Oil spots) | 0.344         |

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is ..358 @ 43F = 31000ppm

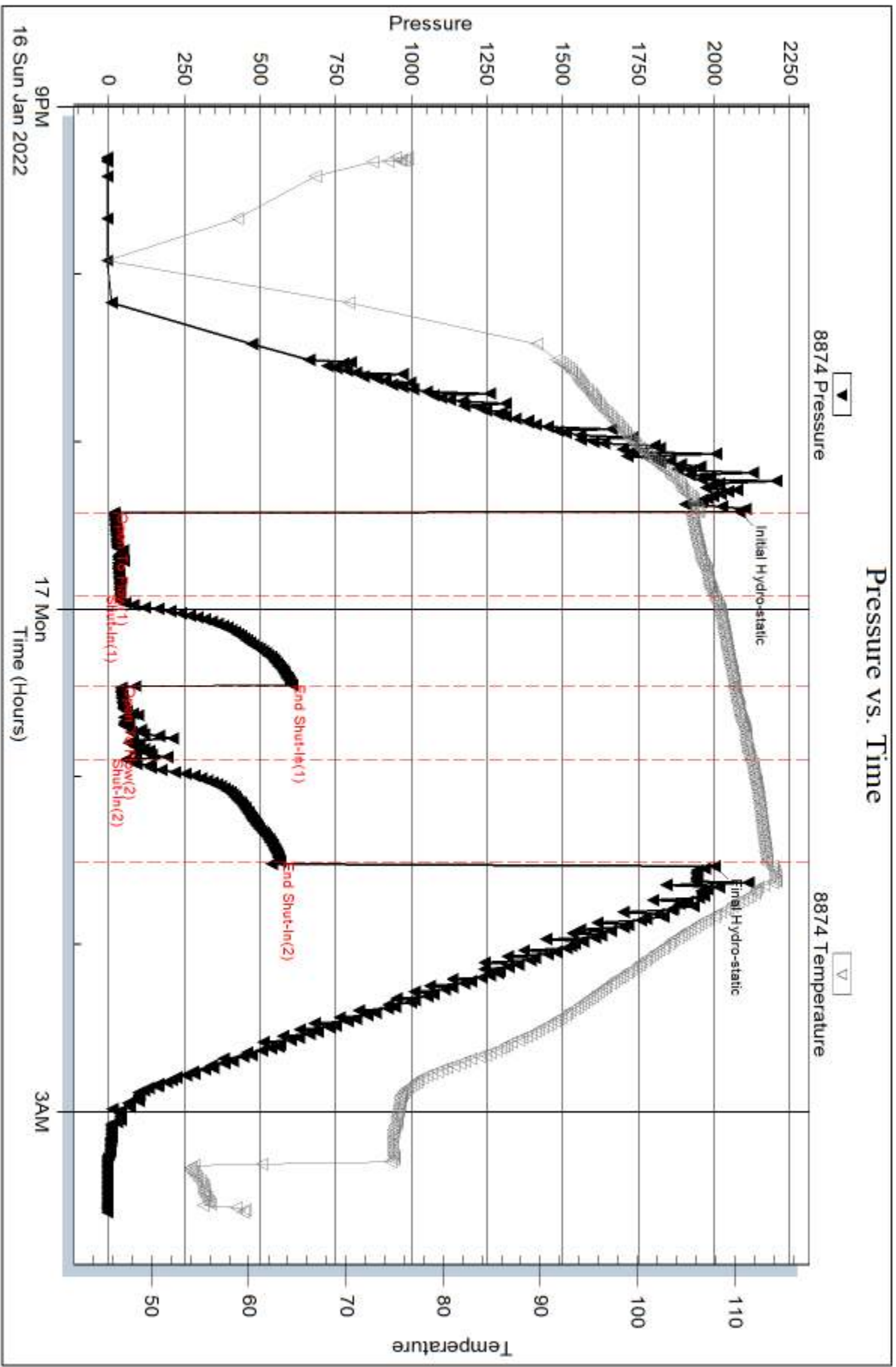
Serial #: 8874

Inside

Palomino Petroleum

Speedway #1

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 67723

Printed: 2022.01.21 @ 16:35:40

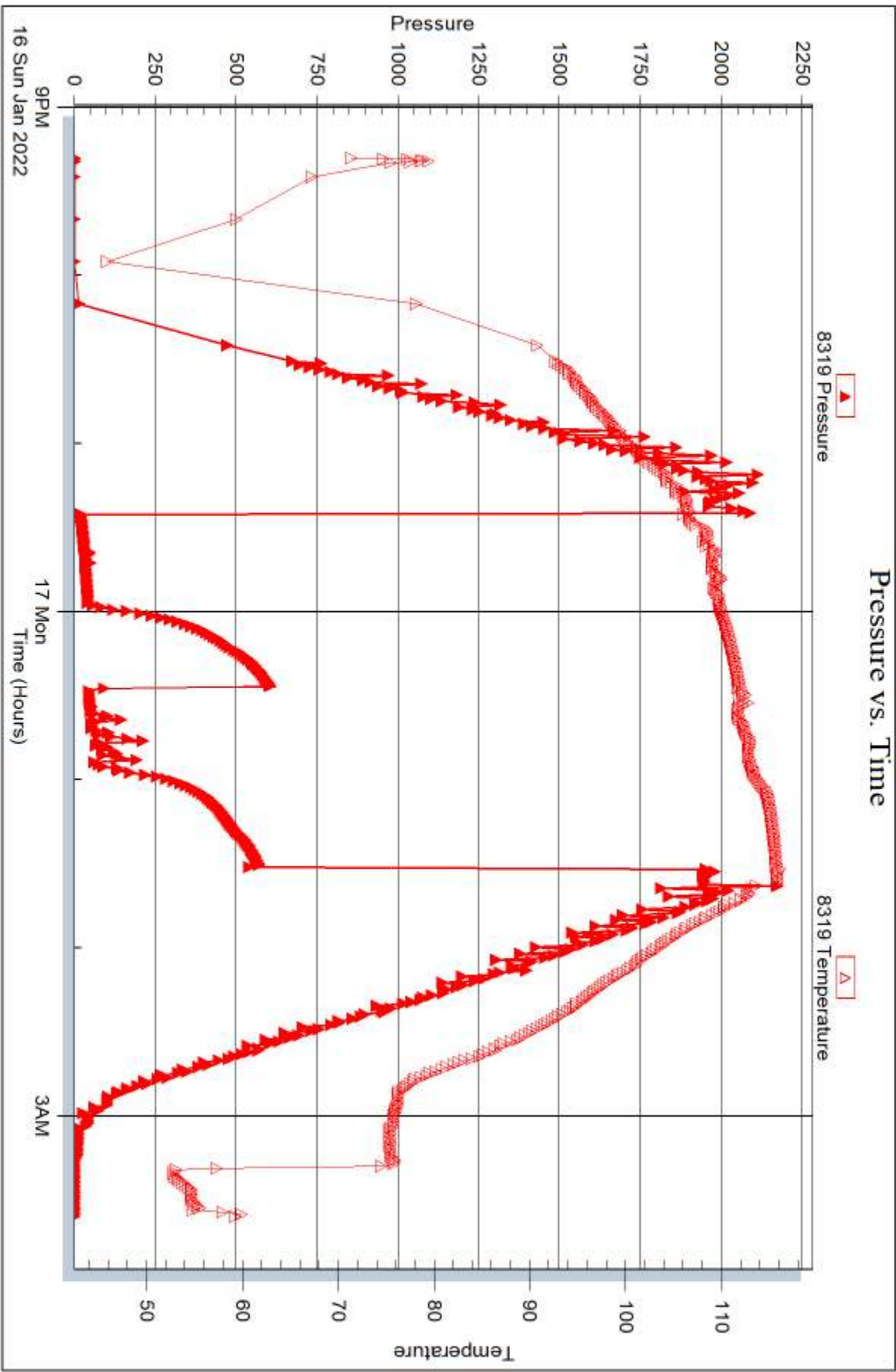
Serial #: 8319

Outside

Palomino Petroleum

Speedway #1

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 67723

Printed: 2022.01.21 @ 16:35:40



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.17 @ 21:21:00

End Date: 2022.01.18 @ 03:26:15

Job Ticket #: 67724                      DST #: 7

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

Printed: 2022.01.21 @ 16:34:34



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**

**Speedway #1**

Job Ticket: 67724

**DST#: 7**

Test Start: 2022.01.17 @ 21:21:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:21:45

Time Test Ended: 03:26:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4234.00 ft (KB) To 4330.00 ft (KB) (TVD)**

Reference Elevations: 2631.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

2620.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8874**

**Inside**

Press@RunDepth: 188.34 psig @ 4235.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.17

End Date:

2022.01.18

Last Calib.:

2022.01.18

Start Time:

21:21:05

End Time:

03:26:14

Time On Btm:

2022.01.17 @ 23:21:15

Time Off Btm:

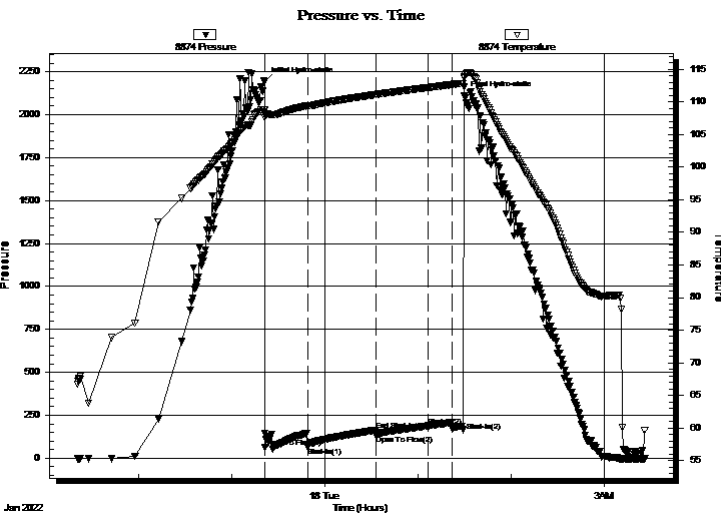
2022.01.18 @ 01:30:00

TEST COMMENT: IF: 1 1/4" blow .

IS: No return.

FF: No blow .

FS: No return. 30-30-30-30



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2192.77         | 108.70       | Initial Hydro-static |
| 1           | 62.03           | 108.08       | Open To Flow (1)     |
| 28          | 65.62           | 109.37       | Shut-In(1)           |
| 72          | 163.54          | 111.12       | End Shut-In(1)       |
| 72          | 133.90          | 111.12       | Open To Flow (2)     |
| 106         | 188.34          | 112.18       | Shut-In(2)           |
| 121         | 206.97          | 112.63       | End Shut-In(2)       |
| 129         | 2111.43         | 113.84       | Final Hydro-static   |

## Recovery

| Length (ft) | Description      | Volume (bbl) |
|-------------|------------------|--------------|
| 15.00       | Mud 100m (thick) | 0.07         |
|             |                  |              |
|             |                  |              |
|             |                  |              |
|             |                  |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**

**Speedway #1**

Job Ticket: 67724

**DST#: 7**

Test Start: 2022.01.17 @ 21:21:00

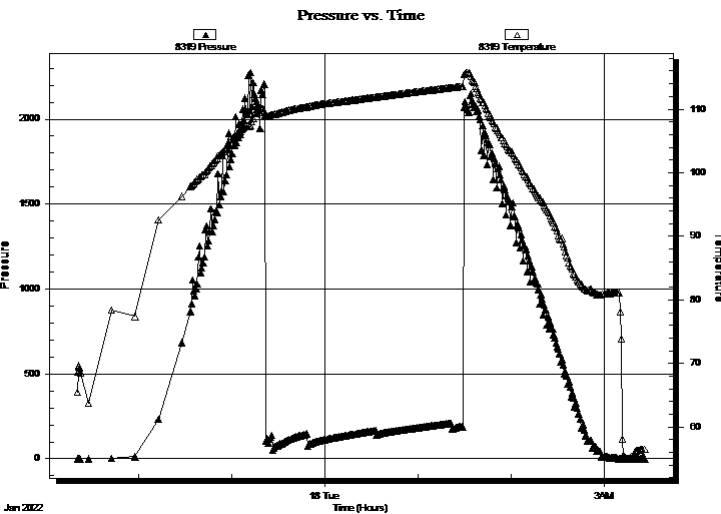
## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 23:21:45  
 Tester: Bradley Walter  
 Time Test Ended: 03:26:15  
 Unit No: 78  
 Interval: **4234.00 ft (KB) To 4330.00 ft (KB) (TVD)**  
 Reference Elevations: 2631.00 ft (KB)  
 Total Depth: 4330.00 ft (KB) (TVD)  
 2620.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 11.00 ft

**Serial #: 8319 Outside**

Press@RunDepth: psig @ 4235.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.17 End Date: 2022.01.18 Last Calib.: 2022.01.18  
 Start Time: 21:21:05 End Time: 03:25:59 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: 1 1/4" blow .  
 IS: No return.  
 FF: No blow .  
 FS: No return. 30-30-30-30



## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description      | Volume (bbl) |
|-------------|------------------|--------------|
| 15.00       | Mud 100m (thick) | 0.07         |
|             |                  |              |
|             |                  |              |
|             |                  |              |
|             |                  |              |

\* 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

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67724

**DST#: 7**

ATTN: Ryan Seib

Test Start: 2022.01.17 @ 21:21:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4015.00 ft | Diameter: 3.80 inches | Volume: 56.32 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 216.00 ft  | Diameter: 2.25 inches | Volume: 1.06 bbl               | Weight to Pull Loose: 85000.00 lb  |
|                           |                    |                       | <u>Total Volume: 57.38 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 24.00 ft           |                       |                                | String Weight: Initial 74000.00 lb |
| Depth to Top Packer:      | 4234.00 ft         |                       |                                | Final 74000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 96.00 ft           |                       |                                |                                    |
| Tool Length:              | 123.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4208.00    |                               |
| Shut In Tool     | 5.00        |            | Fluid    | 4213.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4218.00    |                               |
| Jars             | 5.00        |            |          | 4223.00    |                               |
| Safety Joint     | 2.00        |            |          | 4225.00    |                               |
| Packer           | 5.00        |            | Inside   | 4230.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4234.00    |                               |
| Stubb            | 1.00        |            |          | 4235.00    |                               |
| Recorder         | 0.00        | 8874       | Inside   | 4235.00    |                               |
| Recorder         | 0.00        | 8319       | Outside  | 4235.00    |                               |
| Perforations     | 27.00       |            |          | 4262.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4263.00    |                               |
| Drill Pipe       | 63.00       |            |          | 4326.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4327.00    |                               |
| Bullnose         | 3.00        |            |          | 4330.00    | 96.00 Bottom Packers & Anchor |

**Total Tool Length: 123.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67724

**DST#: 7**

ATTN: Ryan Seib

Test Start: 2022.01.17 @ 21:21:00

### 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:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description      | Volume<br>bbl |
|--------------|------------------|---------------|
| 15.00        | Mud 100m (thick) | 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:

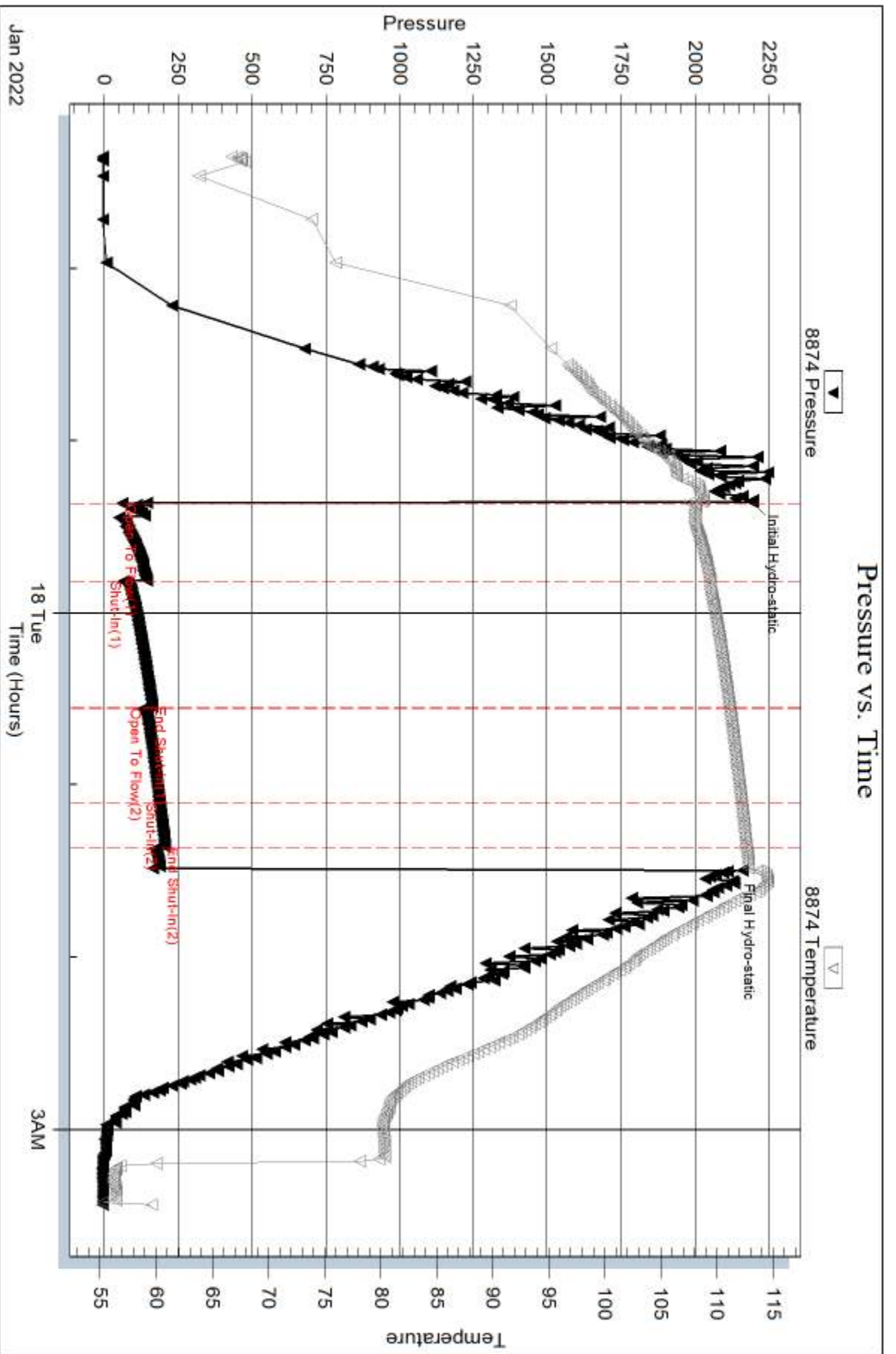
Serial #: 8874

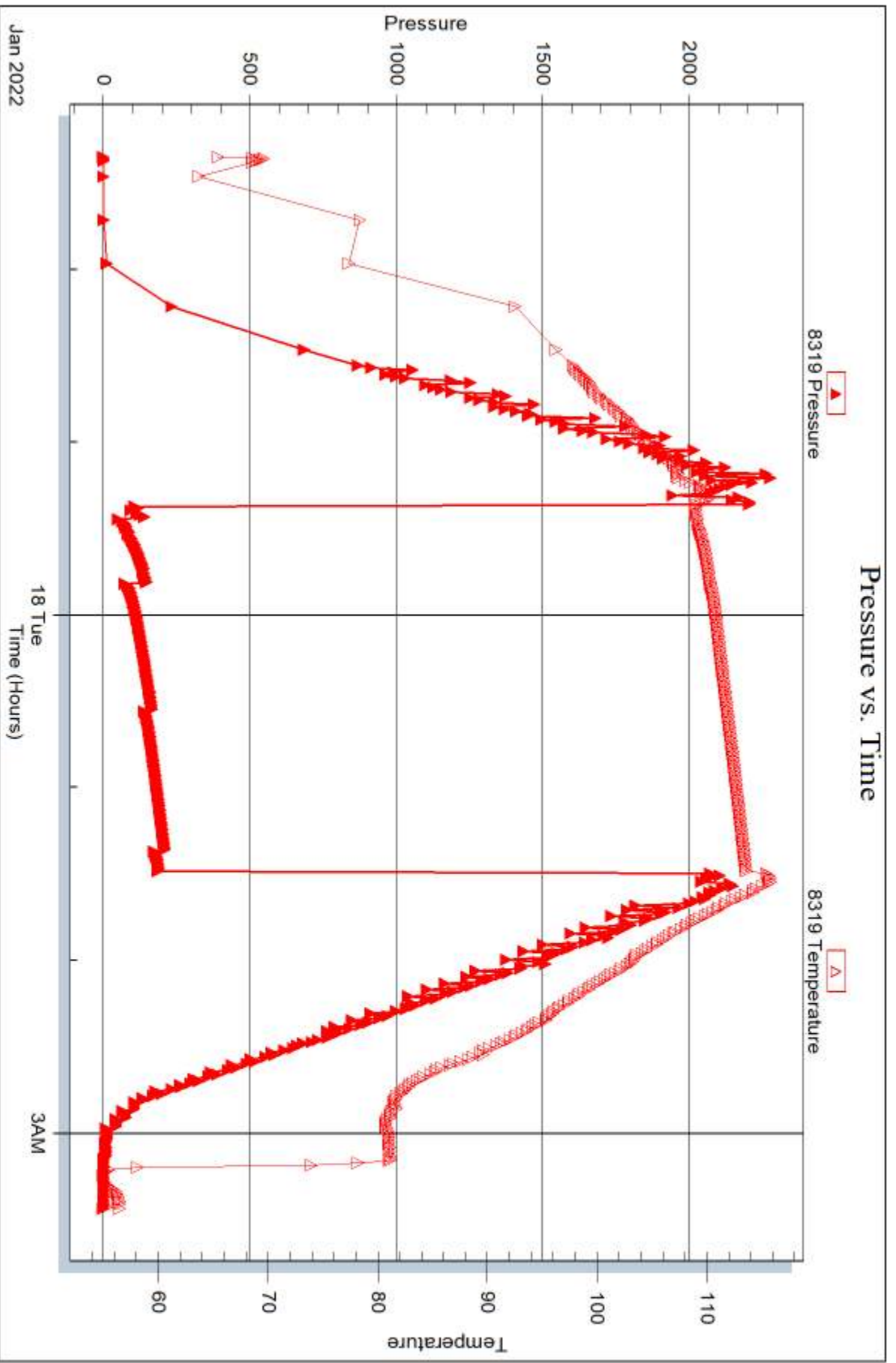
Inside

Palomino Petroleum

Speedway #1

DST Test Number: 7







## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.19 @ 01:13:00

End Date: 2022.01.19 @ 09:08:00

Job Ticket #: 67725                      DST #: 8

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

Printed: 2022.01.21 @ 16:34:04



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 New ton, KS 67871  
 ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
 Job Ticket: 67725 **DST#: 8**  
 Test Start: 2022.01.19 @ 01:13:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:27:30  
 Time Test Ended: 09:08:00  
 Interval: **4408.00 ft (KB) To 4500.00 ft (KB) (TVD)**  
 Total Depth: 4500.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 2631.00 ft (KB)  
 2620.00 ft (CF)  
 KB to GR/CF: 11.00 ft

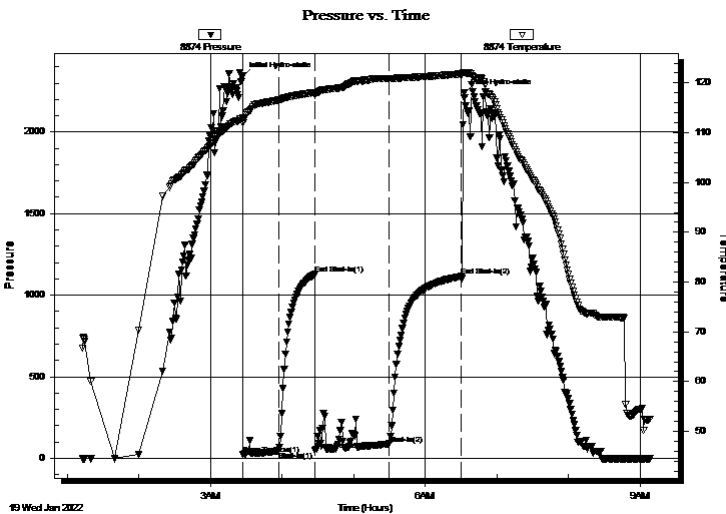
## Serial #: 8874

Inside

Press@RunDepth: 84.89 psig @ 4409.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.19 End Date: 2022.01.19 Last Calib.: 2022.01.19  
 Start Time: 01:13:05 End Time: 09:07:59 Time On Btm: 2022.01.19 @ 03:27:15  
 Time Off Btm: 2022.01.19 @ 06:32:15

TEST COMMENT: IF: 2 1/4" blow .  
 IS: No return.  
 FF: 1 3/4" blow .  
 FS: No return. 30-30-60-60

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2342.24         | 112.90       | Initial Hydro-static |
| 1           | 23.30           | 112.07       | Open To Flow (1)     |
| 30          | 42.66           | 116.56       | Shut-In(1)           |
| 60          | 1127.28         | 118.07       | End Shut-In(1)       |
| 61          | 50.57           | 117.53       | Open To Flow (2)     |
| 123         | 84.89           | 120.82       | Shut-In(2)           |
| 183         | 1115.14         | 121.79       | End Shut-In(2)       |
| 185         | 2237.73         | 122.11       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 60.00       | ocm 5o 95m  |              |
| 40.00       | mco 50m 50o |              |
| 40.00       | oil 100o    |              |
|             |             |              |
|             |             |              |

\* Recovery from multiple tests

## Gas Rates

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



# DRILL STEM TEST REPORT

Palomino Petroleum

3-16s-27w Lane, KS

4924 SE 84th St  
New ton, KS 67871

Speedway #1

ATTN: Ryan Seib

Job Ticket: 67725

DST#: 8

Test Start: 2022.01.19 @ 01:13:00

**GENERAL INFORMATION:**

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:27:30

Time Test Ended: 09:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4408.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Reference Elevations: 2631.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

2620.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8319 Outside**

Press@RunDepth: psig @ 4409.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.19 End Date: 2022.01.19

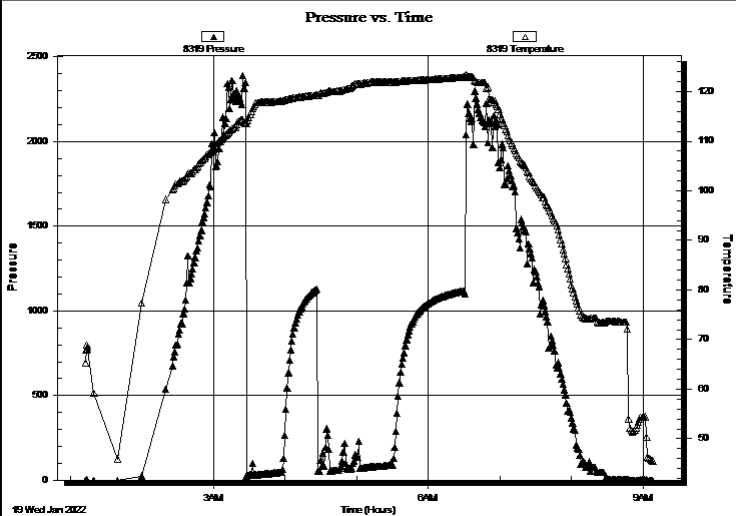
Last Calib.: 2022.01.19

Start Time: 01:13:05 End Time: 09:07:59

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: 2 1/4" blow .  
IS: No return.  
FF: 1 3/4" blow .  
FS: No return. 30-30-60-60



**PRESSURE SUMMARY**

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

**Recovery**

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 60.00       | ocm 5o 95m  |              |
| 40.00       | mco 50m 50o |              |
| 40.00       | oil 100o    |              |
|             |             |              |
|             |             |              |

\* 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

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 67725

**DST#: 8**

ATTN: Ryan Seib

Test Start: 2022.01.19 @ 01:13:00

## Tool Information

|                           |                    |           |             |                                  |                        |             |
|---------------------------|--------------------|-----------|-------------|----------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4175.00 ft | Diameter: | inches      | Volume: 4055689 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: 216.00 ft  | Diameter: | inches      | Volume: 2098272 bbl              | Weight to Pull Loose:  | 85000.00 lb |
|                           |                    |           |             | <u>Total Volume: 4265516 bbl</u> | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 10.00 ft           |           |             |                                  | String Weight: Initial | 70000.00 lb |
| Depth to Top Packer:      | 4408.00 ft         |           |             |                                  | Final                  | 70000.00 lb |
| Depth to Bottom Packer:   | ft                 |           |             |                                  |                        |             |
| Interval between Packers: | 92.00 ft           |           |             |                                  |                        |             |
| Tool Length:              | 119.00 ft          |           |             |                                  |                        |             |
| Number of Packers:        | 2                  | Diameter: | 6.75 inches |                                  |                        |             |
| Tool Comments:            |                    |           |             |                                  |                        |             |

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4382.00    |                               |
| Shut In Tool     | 5.00        |            | Fluid    | 4387.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4392.00    |                               |
| Jars             | 5.00        |            |          | 4397.00    |                               |
| Safety Joint     | 2.00        |            |          | 4399.00    |                               |
| Packer           | 5.00        |            | Inside   | 4404.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4408.00    |                               |
| Stubb            | 1.00        |            |          | 4409.00    |                               |
| Recorder         | 0.00        | 8874       | Inside   | 4409.00    |                               |
| Recorder         | 0.00        | 8319       | Outside  | 4409.00    |                               |
| Perforations     | 23.00       |            |          | 4432.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4433.00    |                               |
| Drill Pipe       | 63.00       |            |          | 4496.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4497.00    |                               |
| Bullnose         | 3.00        |            |          | 4500.00    | 92.00 Bottom Packers & Anchor |

**Total Tool Length: 119.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
Job Ticket: 67725      **DST#: 8**  
Test Start: 2022.01.19 @ 01:13:00

### Mud and Cushion Information

|                                  |                            |                       |
|----------------------------------|----------------------------|-----------------------|
| Mud Type: Gel Chem               | Cushion Type:              | Oil API: 36 deg API   |
| Mud Weight: 9.00 lb/gal          | Cushion Length: ft         | Water Salinity: 0 ppm |
| Viscosity: 57.00 sec/qt          | Cushion Volume: bbl        |                       |
| Water Loss: 7.19 in <sup>3</sup> | Gas Cushion Type:          |                       |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                       |
| Salinity: 5000.00 ppm            |                            |                       |
| Filter Cake: 1.00 inches         |                            |                       |

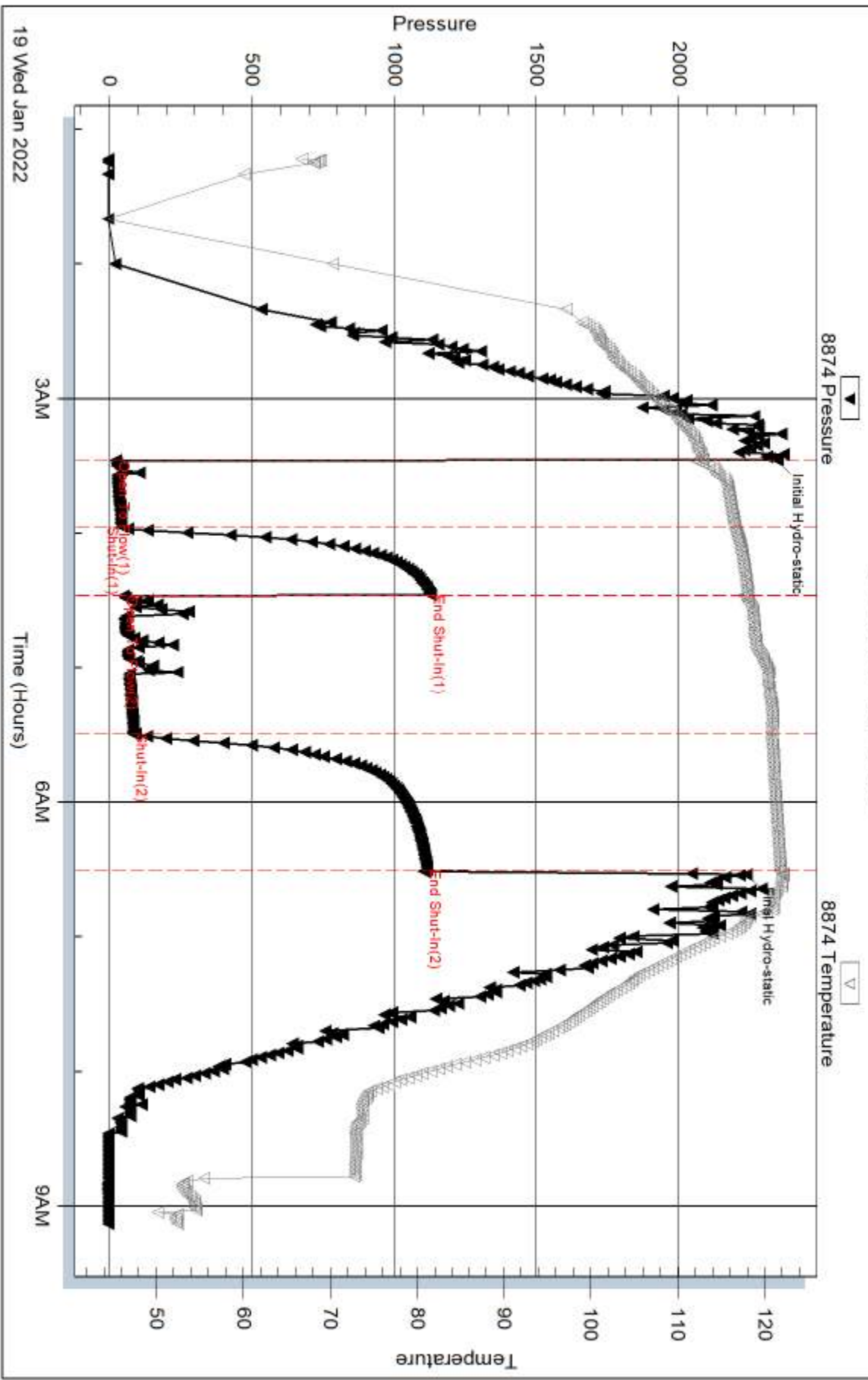
### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 60.00        | ocm 5o 95m  |               |
| 40.00        | mco 50m 50o |               |
| 40.00        | oil 100o    |               |

Total Length: 140.00 ft      Total Volume: bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

# Pressure vs. Time



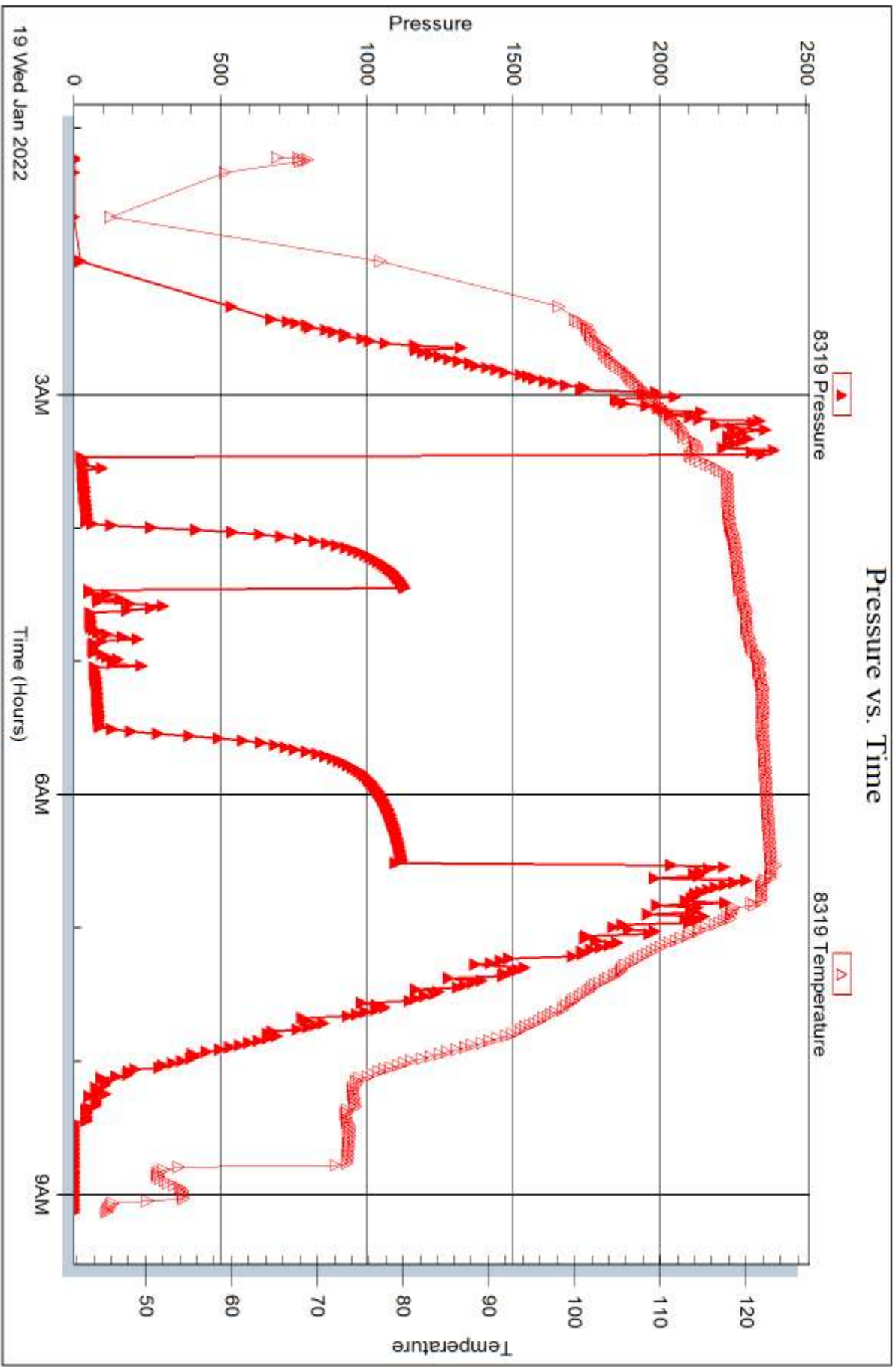
Serial #: 8319

Outside

Palomino Petroleum

Speedway #1

DST Test Number: 8



Triobite Testing, Inc

Ref. No: 67725

Printed: 2022.01.21 @ 16:34:06



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67871

ATTN: Ryan Seib

### **Speedway #1**

#### **3-16s-27w Lane, KS**

Start Date: 2022.01.20 @ 08:45:00

End Date: 2022.01.20 @ 17:16:00

Job Ticket #: 68051                      DST #: 9

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

Printed: 2022.01.21 @ 16:33:00



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 New ton, KS 67871  
 ATTN: Ryan Seib

**3-16s-27w Lane, KS**

**Speedway #1**

Job Ticket: 68051

**DST#: 9**

Test Start: 2022.01.20 @ 08:45:00

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:11:30

Time Test Ended: 17:16:00

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4405.00 ft (KB) To 4516.00 ft (KB) (TVD)**

Reference Elevations: 2631.00 ft (KB)

Total Depth: 4614.00 ft (KB) (TVD)

2620.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8874 Outside**

Press@RunDepth: 144.30 psig @ 4406.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.20 End Date: 2022.01.20

Last Calib.: 2022.01.20

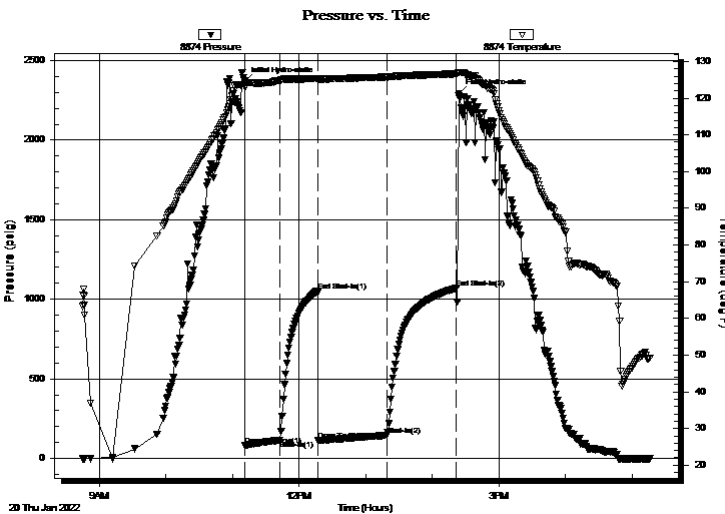
Start Time: 08:45:05 End Time: 17:15:59

Time On Btm: 2022.01.20 @ 11:11:15

Time Off Btm: 2022.01.20 @ 14:24:15

**TEST COMMENT:** IF: 2.8" blow .  
 IS: surface return.  
 FF: 1.9" blow .  
 FS: No return. 30-30-60-60

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2368.28         | 123.73       | Initial Hydro-static |
| 1           | 79.48           | 123.02       | Open To Flow (1)     |
| 32          | 114.40          | 124.87       | Shut-In(1)           |
| 66          | 1051.76         | 125.35       | End Shut-In(1)       |
| 66          | 114.84          | 124.97       | Open To Flow (2)     |
| 128         | 144.30          | 125.77       | Shut-In(2)           |
| 191         | 1070.06         | 126.63       | End Shut-In(2)       |
| 193         | 2290.76         | 127.02       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 120.00      | ocm 10o 90m | 0.59         |
| 50.00       | oil 100o    | 0.25         |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE 84th St  
New ton, KS 67871

ATTN: Ryan Seib

**3-16s-27w Lane, KS**

**Speedway #1**

Job Ticket: 68051

**DST#: 9**

Test Start: 2022.01.20 @ 08:45:00

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:11:30

Time Test Ended: 17:16:00

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4405.00 ft (KB) To 4516.00 ft (KB) (TVD)**

Total Depth: 4614.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2631.00 ft (KB)

2620.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8319 Inside**

Press@RunDepth: psig @ 4406.00 ft (KB)

Start Date: 2022.01.20

End Date: 2022.01.20

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Start Time: 08:45:05

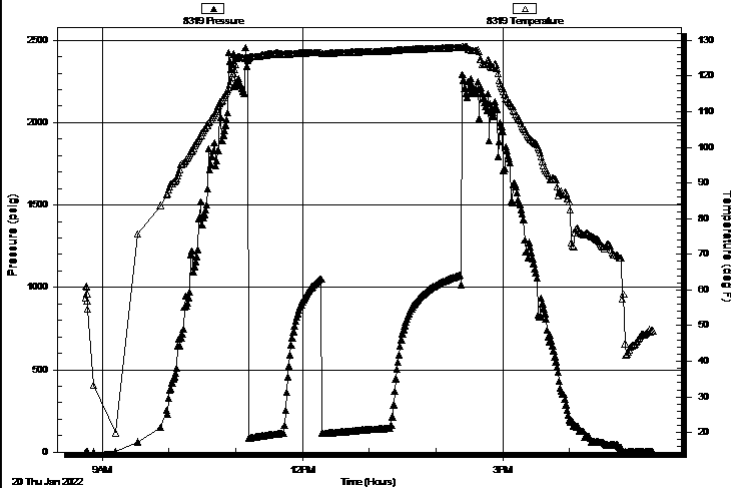
End Time: 17:15:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 2.8" blow .  
IS: surface return.  
FF: 1.9" blow .  
FS: No return. 30-30-60-60

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 120.00      | ocm 10o 90m | 0.59         |
| 50.00       | oil 100o    | 0.25         |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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

\* Recovery from multiple tests



TRILOBITE TESTING, INC

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
Job Ticket: 68051      **DST#: 9**  
Test Start: 2022.01.20 @ 08:45:00

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No    Whipstock:                      ft (KB)                      Test Type: Conventional Straddle (Reset)

Time Tool Opened: 11:11:30                      Tester: Bradley Walter

Time Test Ended: 17:16:00                      Unit No: 78

**Interval: 4405.00 ft (KB) To 4516.00 ft (KB) (TVD)**                      Reference Elevations: 2631.00 ft (KB)

Total Depth: 4614.00 ft (KB) (TVD)                      2620.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good                      KB to GR/CF: 11.00 ft

## Serial #: 8845 Below (Straddle)

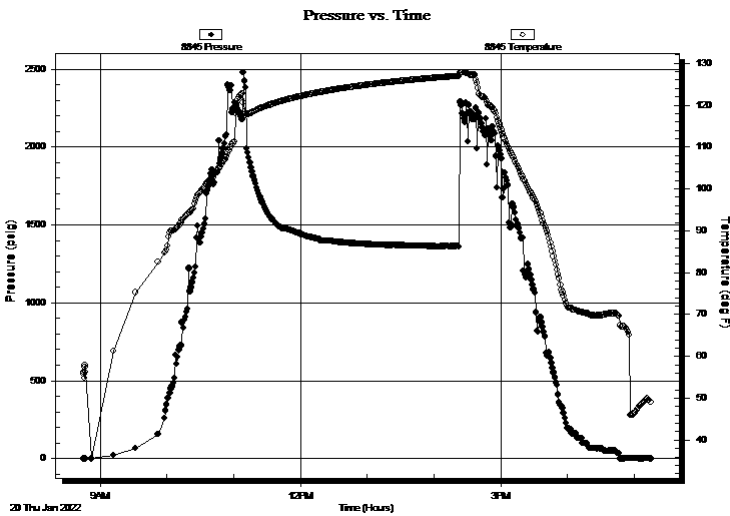
Press@RunDepth:                      psig @ 4517.00 ft (KB)                      Capacity: 8000.00 psig

Start Date: 2022.01.20                      End Date: 2022.01.20                      Last Calib.: 2022.01.20

Start Time: 08:45:05                      End Time: 17:15:29                      Time On Btm:                      Time Off Btm:

TEST COMMENT: IF: 2.8" blow .  
IS: surface return.  
FF: 1.9" blow .  
FS: No return.      30-30-60-60

## PRESSURE SUMMARY



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

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 120.00      | ocm 10o 90m | 0.59         |
| 50.00       | oil 100o    | 0.25         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67871  
ATTN: Ryan Seib

**3-16s-27w Lane, KS**  
**Speedway #1**  
Job Ticket: 68051      **DST#: 9**  
Test Start: 2022.01.20 @ 08:45:00

**Tool Information**

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4174.00 ft | Diameter: 3.80 inches | Volume: 58.55 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 216.00 ft  | Diameter: 2.25 inches | Volume: 1.06 bbl               | Weight to Pull Loose: 85000.00 lb  |
|                           |                    |                       | <u>Total Volume: 59.61 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 12.00 ft           |                       |                                | String Weight: Initial 75000.00 lb |
| Depth to Top Packer:      | 4405.00 ft         |                       |                                | Final 75000.00 lb                  |
| Depth to Bottom Packer:   | 4513.00 ft         |                       |                                |                                    |
| Interval between Packers: | 108.00 ft          |                       |                                |                                    |
| Tool Length:              | 236.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

**Tool Description**

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

|                           |               |      |         |         |                                |
|---------------------------|---------------|------|---------|---------|--------------------------------|
| Change Over Sub           | 1.00          |      |         | 4379.00 |                                |
| Shut In Tool              | 5.00          |      | Fluid   | 4384.00 |                                |
| Hydraulic tool            | 5.00          |      |         | 4389.00 |                                |
| Jars                      | 5.00          |      |         | 4394.00 |                                |
| Safety Joint              | 2.00          |      |         | 4396.00 |                                |
| Packer                    | 5.00          |      | Inside  | 4401.00 | 27.00 Bottom Of Top Packer     |
| Packer                    | 4.00          |      |         | 4405.00 |                                |
| Stubb                     | 1.00          |      |         | 4406.00 |                                |
| Recorder                  | 0.00          | 8874 | Outside | 4406.00 |                                |
| Recorder                  | 0.00          | 8319 | Inside  | 4406.00 |                                |
| Perforations              | 4.00          |      |         | 4410.00 |                                |
| Change Over Sub           | 1.00          |      |         | 4411.00 |                                |
| Drill Pipe                | 95.00         |      |         | 4506.00 |                                |
| Change Over Sub           | 1.00          |      |         | 4507.00 |                                |
| Perforations              | 5.00          |      |         | 4512.00 |                                |
| Blank Off Sub             | 1.00          |      |         | 4513.00 | 108.00 Tool Interval           |
| Packer                    | 3.00          |      |         | 4516.00 |                                |
| Stubb                     | 1.00          |      |         | 4517.00 |                                |
| Recorder                  | 0.00          | 8845 | Below   | 4517.00 |                                |
| Perforations              | 29.00         |      |         | 4546.00 |                                |
| Change Over Sub           | 1.00          |      |         | 4547.00 |                                |
| Drill Pipe                | 63.00         |      |         | 4610.00 |                                |
| Change Over Sub           | 1.00          |      |         | 4611.00 |                                |
| Bullnose                  | 3.00          |      |         | 4614.00 | 101.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>236.00</b> |      |         |         |                                |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**3-16s-27w Lane, KS**

4924 SE 84th St  
New ton, KS 67871

**Speedway #1**

Job Ticket: 68051

**DST#: 9**

ATTN: Ryan Seib

Test Start: 2022.01.20 @ 08:45:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 120.00       | ocm 10o 90m | 0.590         |
| 50.00        | oil 100o    | 0.246         |

Total Length: 170.00 ft

Total Volume: 0.836 bbl

Num Fluid Samples: 0

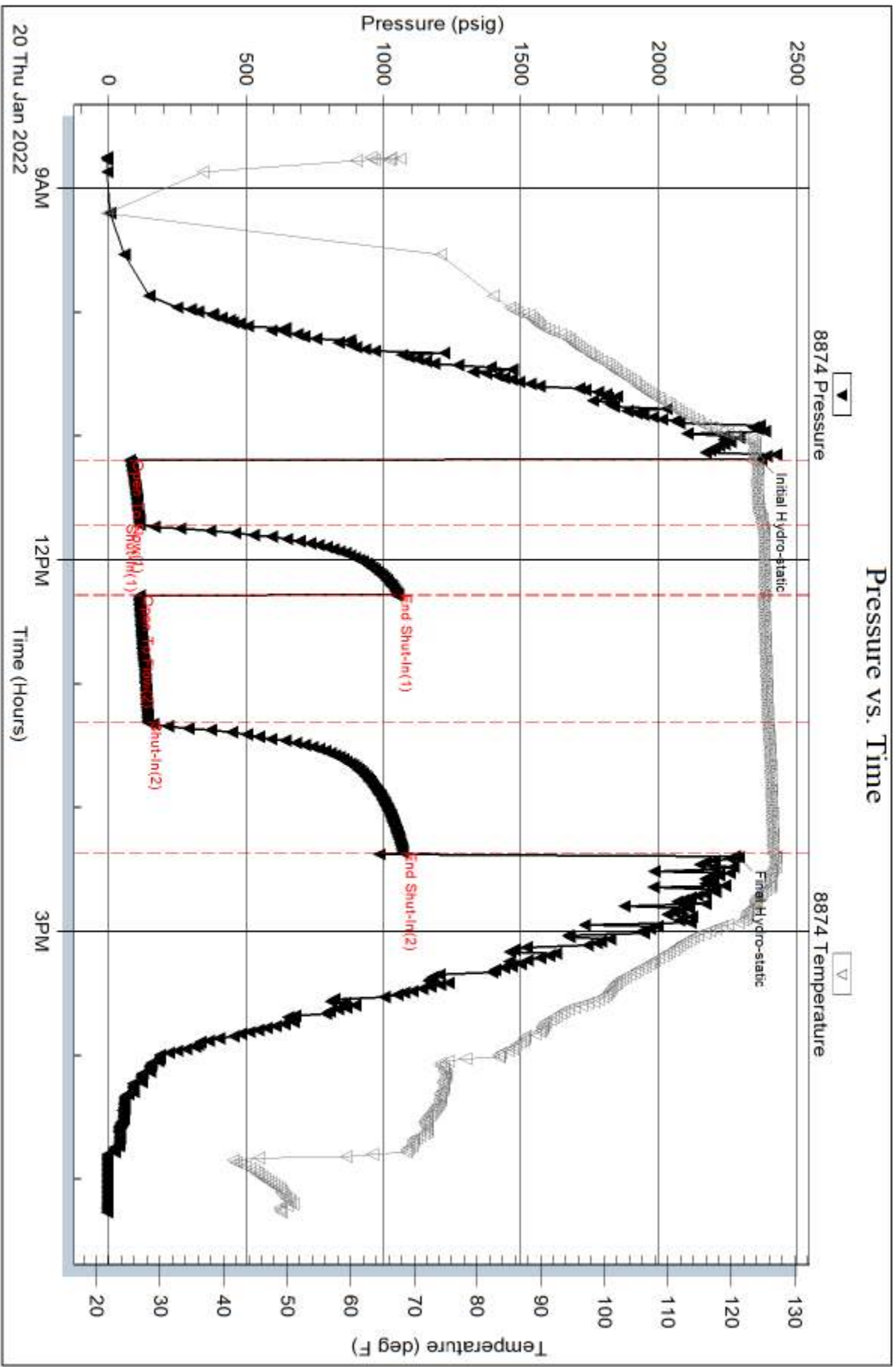
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



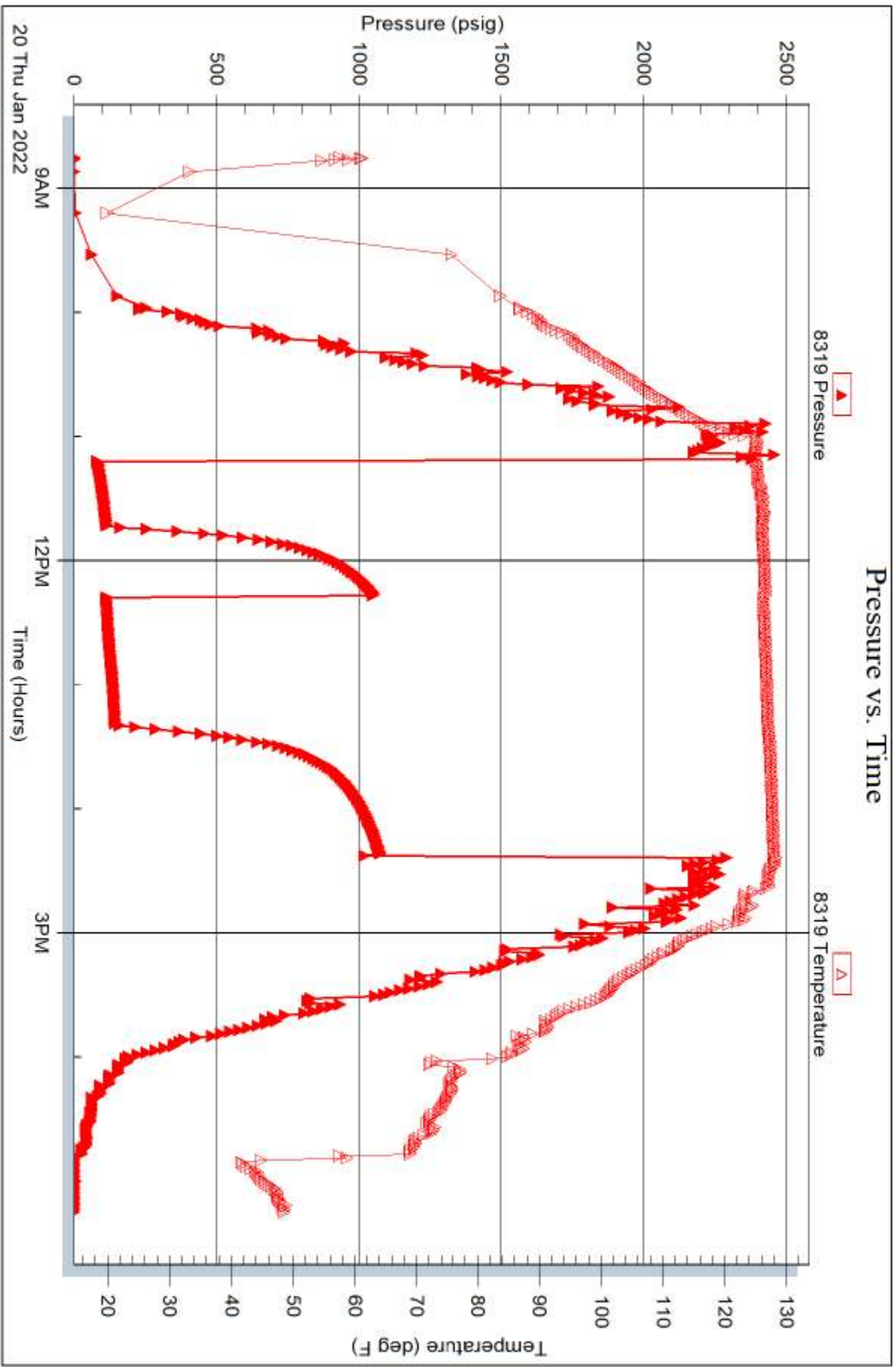
Serial #: 8319

Inside

Palomino Petroleum

Speedway #1

DST Test Number: 9



Trilobite Testing, Inc

Ref. No: 68051

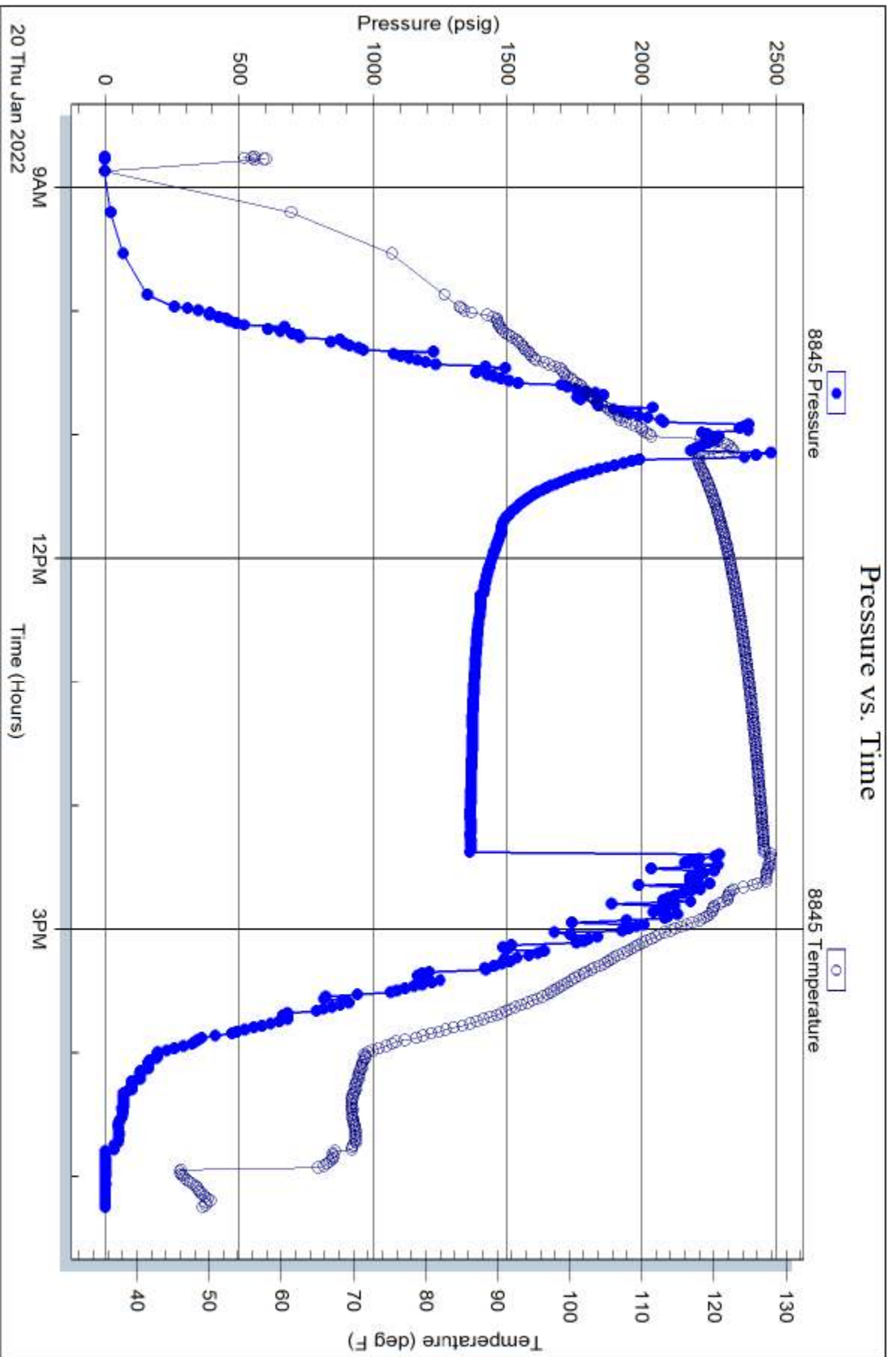
Printed: 2022.01.21 @ 16:33:03

Serial #: 8845

Below (Str Rattenho Petroleum

Speedway #1

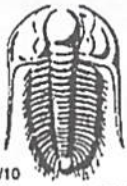
DST Test Number: 9



Trilobite Testing, Inc

Ref. No: 68051

Printed: 2022.01.21 @ 16:33:03



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **67718**

Well Name & No. Speedway #1 Test No. 1 Date 1/13/2022  
 Company Palamino Petroleum Elevation 2631 KB 2620 GL  
 Address 4924 SE 84<sup>th</sup> St Newton KS 67114  
 Co. Rep / Geo. Ryan Seb Rig Sterling #4  
 Location: Sec. 3 Twp 16s Rge. 27w Co. Lane State KS

Interval Tested 3881-3915 Zone Tested Lansing A+B  
 Anchor Length 34' Drill Pipe Run 3664 Mud Wt. 8.8  
 Top Packer Depth 3876 Drill Collars Run 216 Vis 44  
 Bottom Packer Depth 3881 Wt. Pipe Run Ø WL 7.2  
 Total Depth 3915 Chlorides 2400 ppm System LCM 2#

Blow Description IF BOB @ 3 min - 74" blow  
ISI Surface return  
FF DOB @ 4 min - 59 1/2" blow.  
FSI 1/4" return.

| Rec         | Feet of                 | %gas        | %oil        | %water        | %mud        |
|-------------|-------------------------|-------------|-------------|---------------|-------------|
| <u>50</u>   | <u>GW MCO</u>           | <u>10</u>   | <u>70</u>   | <u>10</u>     | <u>10</u>   |
| <u>150</u>  | <u>50 MCO</u>           | <u>%gas</u> | <u>3</u>    | <u>75</u>     | <u>22</u>   |
| <u>1000</u> | <u>SMCW (oil spots)</u> | <u>%gas</u> | <u>%oil</u> | <u>97</u>     | <u>3</u>    |
| <u>Rec</u>  | <u>Feet of 60' CIP</u>  | <u>%gas</u> | <u>%oil</u> | <u>%water</u> | <u>%mud</u> |
| <u>Rec</u>  | <u>Feet of</u>          | <u>%gas</u> | <u>%oil</u> | <u>%water</u> | <u>%mud</u> |

Rec Total 1200 BHT 124 Gravity — API RW 1212 @ 57 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 1936  Test 1300 T-On Location 0230  
 (B) First Initial Flow 70  Jars 250 T-Started 0405  
 (C) First Final Flow 390  Safety Joint 75 T-Open 0659  
 (D) Initial Shut-In 1020  Circ Sub \_\_\_\_\_ T-Pulled 0900  
 (E) Second Initial Flow 399  Hourly Standby \_\_\_\_\_ T-Out \_\_\_\_\_  
 (F) Second Final Flow 594  Mileage al RT 113.75 Comments \_\_\_\_\_  
 (G) Final Shut-In 1004  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1938  Straddle \_\_\_\_\_

Initial Open 30  EM Tool \_\_\_\_\_  
 Initial Shut-In 30  Ruined Shale Packer \_\_\_\_\_  
 Final Flow 30  Ruined Packer 335  
 Final Shut-In 30  Extra Copies \_\_\_\_\_  
 Sub Total 1738.75 Sub Total 335  
 Total 2073.75 MP/DST Disc't \_\_\_\_\_

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. 67719

Well Name & No. Speedway #1 Test No. 2 Date 1/14/2022  
 Company Palomud Petroleum Elevation 2631 KB 2620 GL  
 Address 4924 SE 84th St Newton Ks 67114  
 Co. Rep / Geo. Ryan Seib Rig Sterling #4  
 Location: Sec. 3 Twp 16s Rge. 27w Co. Lane State Ks

Interval Tested 3910 - 3985 Zone Tested Lansing C-F  
 Anchor Length 75' Drill Pipe Run 3695 Mud Wt. 9.0  
 Top Packer Depth 3905 Drill Collars Run 215 Vis 56  
 Bottom Packer Depth 3910 Wt. Pipe Run Ø WL 7.2  
 Total Depth 3985 Chlorides 3000 ppm System LCM 2#  
 Blow Description IF BOB @ 5.5 min - 49 3/4" blow  
ISI surface return  
FF BOB @ 5.5 min. 46" blow  
FSI No return.

| Rec        | Feet of    | %gas | %oil      | %water   | %mud |
|------------|------------|------|-----------|----------|------|
| <u>965</u> | <u>mcw</u> |      | <u>95</u> | <u>5</u> |      |
| Rec        | Feet of    | %gas | %oil      | %water   | %mud |
| Rec        | Feet of    | %gas | %oil      | %water   | %mud |
| Rec        | Feet of    | %gas | %oil      | %water   | %mud |
| Rec        | Feet of    | %gas | %oil      | %water   | %mud |

Rec Total 965 BHT 124 Gravity — API RW 332 @ 43° F Chlorides 34000 ppm

|                                     |  |  |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1978</u> | <input checked="" type="checkbox"/> Test <u>1300</u>                   | T-On Location <u>2308</u>                    |
| (B) First Initial Flow <u>58</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>                    | T-Started <u>2559</u>                        |
| (C) First Final Flow <u>328</u>     | <input checked="" type="checkbox"/> Safety Joint <u>75</u>             | T-Open <u>0218</u>                           |
| (D) Initial Shut-In <u>1030</u>     | <input type="checkbox"/> Circ Sub                                      | T-Pulled <u>0418</u>                         |
| (E) Second Initial Flow <u>321</u>  | <input type="checkbox"/> Hourly Standby                                | T-Out <u>0658</u>                            |
| (F) Second Final Flow <u>492</u>    | <input checked="" type="checkbox"/> Mileage <u>91 RT</u> <u>113.75</u> | Comments                                     |
| (G) Final Shut-In <u>1026</u>       | <input type="checkbox"/> Sampler                                       |  |
| (H) Final Hydrostatic <u>1831</u>   | <input type="checkbox"/> Straddle                                      |  |
| Initial Open <u>30</u>              | <input type="checkbox"/> Shale Packer                                  | <input type="checkbox"/> EM Tool             |
| Initial Shut-In <u>30</u>           | <input type="checkbox"/> Extra Packer                                  | <input type="checkbox"/> Ruined Shale Packer |
| Final Flow <u>30</u>                | <input type="checkbox"/> Extra Recorder                                | <input type="checkbox"/> Ruined Packer       |
| Final Shut-In <u>30</u>             | <input type="checkbox"/> Day Standby                                   | <input type="checkbox"/> Extra Copies        |
|                                     | <input type="checkbox"/> Accessibility                                 | Sub Total <u>0</u>                           |
|                                     | Sub Total <u>1738.75</u>   | Total <u>1738.75</u>                         |
|                                     |  | MP/DST Disc't                                |

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.



# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67720

Well Name & No. Speedway #1 Test No. 3 Date 1/14/2022  
 Company Palomino Petroleum, Inc Elevation 2631 KB 2620 GL  
 Address 4924 SE 84<sup>th</sup> St Newton KS 67114  
 Co. Rep / Geo. Ryan Sab Rig Starling #4  
 Location: Sec. 3 Twp 16s Rge. 27W Co. Lane State KS

Interval Tested 3993-4030 Zone Tested Lansing G  
 Anchor Length 37' Drill Pipe Run 3760 Mud Wt. 9.0  
 Top Packer Depth 3988 Drill Collars Run 216 Vis 58  
 Bottom Packer Depth 3993 Wt. Pipe Run — WL 6.8  
 Total Depth 4030 Chlorides 3,000 ppm System LCM 4#  
 Blow Description IF BOB @ 1.5 min - 51.3"  
ISI 1/2" return.  
FF BOB @ 2 min - 56.9"  
FSI No return.

| Rec         | Feet of        | %gas | %oil | %water     | %mud     |
|-------------|----------------|------|------|------------|----------|
| <u>1085</u> | <u>S.M.C.W</u> |      |      | <u>97%</u> | <u>3</u> |
| Rec         | Feet of        | %gas | %oil | %water     | %mud     |
| Rec         | Feet of        | %gas | %oil | %water     | %mud     |
| Rec         | Feet of        | %gas | %oil | %water     | %mud     |
| Rec         | Feet of        | %gas | %oil | %water     | %mud     |

Rec Total 1085 BHT 125 Gravity — API RW .188 @ 45 °F Chlorides 63000 ppm

|                                     |  |  |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1961</u> | <input checked="" type="checkbox"/> Test <u>1450</u>           | T-On Location <u>1530</u>                    |
| (B) First Initial Flow <u>104</u>   | <input checked="" type="checkbox"/> Jars <u>250</u>            | T-Started <u>1644</u>                        |
| (C) First Final Flow <u>326</u>     | <input checked="" type="checkbox"/> Safety Joint <u>75</u>     | T-Open <u>1852</u>                           |
| (D) Initial Shut-In <u>1055</u>     | <input type="checkbox"/> Circ Sub                              | T-Pulled <u>2019</u>                         |
| (E) Second Initial Flow <u>340</u>  | <input type="checkbox"/> Hourly Standby                        | T-Out <u>2253</u>                            |
| (F) Second Final Flow <u>537</u>    | <input checked="" type="checkbox"/> Mileage <u>9127</u> 113.75 | Comments                                     |
| (G) Final Shut-In <u>1052</u>       | <input type="checkbox"/> Sampler                               |  |
| (H) Final Hydrostatic <u>1896</u>   | <input type="checkbox"/> Straddle                              |  |
|                                     | <input checked="" type="checkbox"/> <del>Shale</del> Packer    | <input type="checkbox"/> EM Tool             |
|                                     | <input type="checkbox"/> Extra Packer                          | <input type="checkbox"/> Ruined Shale Packer |
|                                     | <input type="checkbox"/> Extra Recorder                        | <input type="checkbox"/> Ruined Packer       |
|                                     | <input type="checkbox"/> Day Standby                           | <input type="checkbox"/> Extra Copies        |
|                                     | <input type="checkbox"/> Accessibility                         | Sub Total <u>0</u>                           |
|                                     | Sub Total <u>1888.75</u>                                       | Total <u>1888.75</u>                         |
|                                     |  | MP/DST Disc't                                |

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67721

Well Name & No. Speedway #1 Test No. 4 Date 1/15/2022  
 Company Palomino Petroleum, Inc Elevation 2631 KB 2620 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig Sterling #4  
 Location: Sec. 3 Twp 16S Rge. 27W Co. Lane State Ks

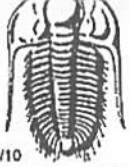
Interval Tested 4036-4090 Zone Tested Lansing H-I  
 Anchor Length 541 Drill Pipe Run 3826 Mud Wt. 9.0  
 Top Packer Depth 4031 Drill Collars Run 216 Vis 69  
 Bottom Packer Depth 4036 Wt. Pipe Run Ø WL 7.8  
 Total Depth 4090 Chlorides 3700 ppm System LCM 5#  
 Blow Description IF 1 1/2" blow  
ISI No return.  
FF 1/2" blow  
FSI No return.

| Rec       | Feet of          | %gas | %oil | %water     | %mud |
|-----------|------------------|------|------|------------|------|
| <u>30</u> | <u>Mud</u>       |      |      | <u>100</u> |      |
|           | <u>oil spots</u> |      |      |            |      |
|           |                  |      |      |            |      |
|           |                  |      |      |            |      |
|           |                  |      |      |            |      |

Rec Total 30 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

|                                     |   |  |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2018</u> | <input checked="" type="checkbox"/> Test <u>1450</u>            | T-On Location <u>1000</u>                    |
| (B) First Initial Flow <u>18</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>             | T-Started <u>1059</u>                        |
| (C) First Final Flow <u>32</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>      | T-Open <u>1301</u>                           |
| (D) Initial Shut-In <u>828</u>      | <input type="checkbox"/> Circ Sub                               | T-Pulled <u>1504</u>                         |
| (E) Second Initial Flow <u>30</u>   | <input type="checkbox"/> Hourly Standby                         | T-Out <u>1717</u>                            |
| (F) Second Final Flow <u>37</u>     | <input checked="" type="checkbox"/> Mileage <u>91 RT</u> 113.75 | Comments                                     |
| (G) Final Shut-In <u>759</u>        | <input type="checkbox"/> Sampler                                |  |
| (H) Final Hydrostatic <u>2009</u>   | <input type="checkbox"/> Straddle                               |  |
|                                     | <input type="checkbox"/> Shale Packer                           | <input type="checkbox"/> EM Tool             |
| Initial Open <u>30</u>              | <input type="checkbox"/> Extra Packer                           | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>30</u>           | <input type="checkbox"/> Extra Recorder                         | <input type="checkbox"/> Ruined Packer       |
| Final Flow <u>30</u>                | <input type="checkbox"/> Day Standby                            | Sub Total <u>0</u>                           |
| Final Shut-In <u>30</u>             | <input type="checkbox"/> Accessibility                          | Total <u>1888.75</u>                         |
|                                     | Sub Total <u>1888.75</u>  | MP/DST Disc't                                |

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67722

Well Name & No. Speedway #1 Test No. 5 Date 1/16/2022  
 Company Palomero Petroleum, Inc Elevation 2631 KB 2620 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Ryan Seb Rig Staling #4  
 Location: Sec. 3 Twp 16S Rge. 27W Co. Lane State KS

Interval Tested 4100-4130 Zone Tested LKC J  
 Anchor Length 30 Drill Pipe Run 3890 Mud Wt. 9.0  
 Top Packer Depth 4095 Drill Collars Run 216 Vis 66  
 Bottom Packer Depth 4100 Wt. Pipe Run Ø WL 6.0  
 Total Depth 4130 Chlorides 3300 ppm System LCM 5 #

Blow Description IF 3/4" blow  
ISI No return  
FF 1/4" blow  
FST No return

| Rec       | Feet of          | %gas | %oil | %water     | %mud |
|-----------|------------------|------|------|------------|------|
| <u>20</u> | <u>Mud</u>       |      |      | <u>100</u> |      |
|           | <u>oil spots</u> |      |      |            |      |
|           |                  |      |      |            |      |
|           |                  |      |      |            |      |
|           |                  |      |      |            |      |

Rec Total 20 BHT 114 Gravity — API RW — @ — °F Chlorides — ppm

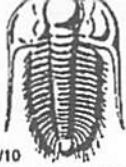
(A) Initial Hydrostatic 2054  Test 1450 T-On Location 0215  
 (B) First Initial Flow 15  Jars 250 T-Started 0247  
 (C) First Final Flow 24  Safety Joint 75 T-Open 0451  
 (D) Initial Shut-In 53  Circ Sub \_\_\_\_\_ T-Pulled 0654  
 (E) Second Initial Flow 25  Hourly Standby \_\_\_\_\_ T-Out 0903  
 (F) Second Final Flow 36  Mileage 113.75 Comments \_\_\_\_\_  
 (G) Final Shut-In 52  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1999  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  EM Tool \_\_\_\_\_  
 Initial Shut-In 30  Ruined Shale Packer \_\_\_\_\_  
 Final Flow 30  Ruined Packer \_\_\_\_\_  
 Final Shut-In 30  Extra Copies \_\_\_\_\_

Sub Total 1888.75 Sub Total 0  
 Total 1888.75 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67723

Well Name & No. Speedway #1 Test No. 6 Date 1/17/2022  
 Company Palomino Petroleum, Inc Elevation 2631 KB 2620 GL  
 Address 4924 SE 84<sup>th</sup> St Newton, Ks 67114  
 Co. Rep / Geo. Ryan Seib Rig Steering #4  
 Location: Sec. 3 Twp 16s Rge. 27w Co. Lane State Ks

Interval Tested 4134 - 4210 Zone Tested LKC K-L  
 Anchor Length 76' Drill Pipe Run 3920 Mud Wt. 9.0  
 Top Packer Depth 4129 Drill Collars Run 216 Vis 57  
 Bottom Packer Depth 4134 Wt. Pipe Run — WL 6.0  
 Total Depth 4210 Chlorides 3300 ppm System LCM 6 #

Blow Description IF 2" blow  
ISI No return  
FF 3/4" blow.  
FSI No return.

| Rec       | Feet of        | %gas | %oil | %water    | %mud      |
|-----------|----------------|------|------|-----------|-----------|
| <u>70</u> | <u>Add wcm</u> |      |      | <u>20</u> | <u>80</u> |
| Rec       | Feet of        | %gas | %oil | %water    | %mud      |
| Rec       | Feet of        | %gas | %oil | %water    | %mud      |
| Rec       | Feet of        | %gas | %oil | %water    | %mud      |

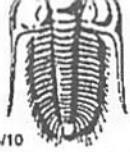
Rec Total 70 BHT 113 Gravity — API RW 358 @ 43 °F Chlorides 31000 ppm

|                                     |  |                                  |
|-------------------------------------|--|----------------------------------|
| (A) Initial Hydrostatic <u>2084</u> | <input checked="" type="checkbox"/> Test <u>1450</u>       | T-On Location <u>2030</u>        |
| (B) First Initial Flow <u>19</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>        | T-Started <u>2118</u>            |
| (C) First Final Flow <u>39</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>2325</u>               |
| (D) Initial Shut-In <u>605</u>      | <input type="checkbox"/> Circ Sub                          | T-Pulled <u>0130</u>             |
| (E) Second Initial Flow <u>44</u>   | <input type="checkbox"/> Hourly Standby                    | T-Out <u>0336</u>                |
| (F) Second Final Flow <u>59</u>     | <input checked="" type="checkbox"/> Mileage <u>113.75</u>  | Comments                         |
| (G) Final Shut-In <u>568</u>        | <input type="checkbox"/> Sampler                           |                                  |
| (H) Final Hydrostatic <u>2003</u>   | <input type="checkbox"/> Straddle                          | <input type="checkbox"/> EM Tool |

|                           |   |  |
|---------------------------|---|--|
| Initial Open <u>30</u>    | <input type="checkbox"/> Shale Packer   | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer   | <input type="checkbox"/> Ruined Packer       |
| Final Flow <u>30</u>      | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies        |
| Final Shut-In <u>30</u>   | <input type="checkbox"/> Day Standby    | Sub Total <u>0</u>                           |
|                           | <input type="checkbox"/> Accessibility  | Total <u>1888.75</u>                         |
|                           | Sub Total <u>1888.75</u>                | MP/DST Disc't                                |

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67724

Well Name & No. Speedway #1 Test No. 7 Date 1/18/2022  
 Company Palomino Petroleum, Inc Elevation 2631 KB 2620 GL  
 Address 4924 SE 84th St Newton, Ks 67114  
 Co. Rep / Geo. Ryan Seib Rig Starling #4  
 Location: Sec. 3 Twp 16s Rge. 27w Co. Lane State Ks

Interval Tested 4234-4330 Zone Tested Narmaton  
 Anchor Length 96 Drill Pipe Run 4015 Mud Wt. 9.1  
 Top Packer Depth 4229 Drill Collars Run 216 Vis 53  
 Bottom Packer Depth 4234 Wt. Pipe Run — WL 6.8  
 Total Depth 4330 Chlorides 5300 ppm System LCM 4#

Blow Description IF 1 1/4" blow  
ISI No return  
FF No blow  
FSI No return

| Rec       | Feet of            | %gas | %oil | %water | %mud |
|-----------|--------------------|------|------|--------|------|
| <u>15</u> | <u>nod (thick)</u> |      |      |        |      |
| Rec       | Feet of            | %gas | %oil | %water | %mud |
| Rec       | Feet of            | %gas | %oil | %water | %mud |
| Rec       | Feet of            | %gas | %oil | %water | %mud |
| Rec       | Feet of            | %gas | %oil | %water | %mud |

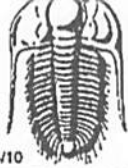
Rec Total 15 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2192  Test 1450 T-On Location 2030  
 (B) First Initial Flow 62  Jars 250 T-Started 2111  
 (C) First Final Flow 65  Safety Joint 75 T-Open 2312  
 (D) Initial Shut-In 163  Circ Sub \_\_\_\_\_ T-Pulled 0117  
 (E) Second Initial Flow 133  Hourly Standby \_\_\_\_\_ T-Out 0326  
 (F) Second Final Flow 188  Mileage 113.75 Comments \_\_\_\_\_  
 (G) Final Shut-In 206  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2111  Straddle \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_  
 Final Flow 30  Day Standby \_\_\_\_\_  
 Final Shut-In 30  Accessibility \_\_\_\_\_  
 Sub Total 1888.75 Sub Total 1888.75 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

# Test Ticket

NO. 67725

Well Name & No. Speedway #1 Test No. 8 Date 1/19/2021  
 Company Palomino Petroleum, Inc Elevation 2631 KB 2620 GL  
 Address 4924 SE 84<sup>th</sup> St Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig Stirling #4  
 Location: Sec. 3 Twp 16S Rge. 27W Co. Lane State Ks

Interval Tested 4408-4500 Zone Tested Mississippian  
 Anchor Length 92' Drill Pipe Run 4175 Mud Wt. 9.2  
 Top Packer Depth 4403 Drill Collars Run 216 Vis 57  
 Bottom Packer Depth 4408 Wt. Pipe Run Ø WL 7.2  
 Total Depth 4500 Chlorides 5000 ppm System LCM 4#  
 Blow Description IF 2 1/4" blow  
ISI No return.  
FF 1 3/4" blow  
FSI No return.

| Rec          | Feet of    | %gas       | %oil | %water    | %mud |
|--------------|------------|------------|------|-----------|------|
| <u>40</u>    | <u>oil</u> | <u>100</u> |      |           |      |
| <u>60-40</u> | <u>mcu</u> | <u>50</u>  |      | <u>50</u> |      |
| <u>60</u>    | <u>OCM</u> | <u>5</u>   |      | <u>95</u> |      |
|              |            |            |      |           |      |
|              |            |            |      |           |      |

Rec Total 140 BHT 123 Gravity 36 API RW ✓ @ — °F Chlorides — ppm

|                                     |  |  |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2342</u> | <input checked="" type="checkbox"/> Test <u>1450</u>       | T-On Location <u>0015</u>                    |
| (B) First Initial Flow <u>23</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>        | T-Started <u>0113</u>                        |
| (C) First Final Flow <u>42</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>0327</u>                           |
| (D) Initial Shut-In <u>1127</u>     | <input type="checkbox"/> Circ Sub                          | T-Pulled <u>0629</u>                         |
| (E) Second Initial Flow <u>50</u>   | <input type="checkbox"/> Hourly Standby                    | T-Out  |
| (F) Second Final Flow <u>84</u>     | <input checked="" type="checkbox"/> Mileage <u>113.75</u>  | Comments                                     |
| (G) Final Shut-In <u>1115</u>       | <input type="checkbox"/> Sampler                           |  |
| (H) Final Hydrostatic <u>2237</u>   | <input type="checkbox"/> Straddle                          | <input type="checkbox"/> EM Tool             |
| Initial Open <u>30</u>              | <input type="checkbox"/> Shale Packer                      | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>30</u>           | <input type="checkbox"/> Extra Packer                      | <input type="checkbox"/> Ruined Packer       |
| Final Flow <u>30</u>                | <input type="checkbox"/> Extra Recorder                    | <input type="checkbox"/> Extra Copies        |
| Final Shut-In <u>60</u>             | <input type="checkbox"/> Day Standby                       | Sub Total <u>0</u>                           |
|                                     | <input type="checkbox"/> Accessibility                     | Total <u>1888.75</u>                         |
|                                     | Sub Total <u>1888.75</u>                                   | MP/DST Disc't                                |

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **68051**

Well Name & No. Speedway #1 Test No. 9 Date 1/20/2022  
 Company Palomino Petroleum, Inc Elevation 2631 KB 2620 GL  
 Address 4924 SE 84<sup>th</sup> St Newton, Ks 6744  
 Co. Rep / Geo. Ryan Seib Rig Sterling #4  
 Location: Sec. 3 Twp 16s Rge. 27w Co. Lane State Ks

Interval Tested 4405 - 4516 Zone Tested Mississippian  
 Anchor Length 111' Drill Pipe Run 4174 Mud Wt. 9.6  
 Top Packer Depth 4400 - 4405 Drill Collars Run 216 Vis 63  
 Bottom Packer Depth 4516 Wt. Pipe Run Ø WL 8.8  
 Total Depth 4614 Chlorides 4400 ppm System LCM 4 #  
 Blow Description IF 2.8" blow.  
ISI Surface return.  
FF 1.9" blow  
FSI No return.

| Rec        | Feet of    | %gas       | %oil | %water    | %mud |
|------------|------------|------------|------|-----------|------|
| <u>50</u>  | <u>oil</u> | <u>100</u> |      |           |      |
| <u>120</u> | <u>OCM</u> | <u>10</u>  |      | <u>90</u> |      |
|            |            |            |      |           |      |
|            |            |            |      |           |      |
|            |            |            |      |           |      |

Rec Total 170 BHT 127 Gravity 36 API RW — @ — °F Chlorides — ppm

|                                     |   |  |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2368</u> | <input checked="" type="checkbox"/> Test <u>1450</u>                | T-On Location <u>0500</u>                    |
| (B) First Initial Flow <u>79</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>                 | T-Started <u>0845</u>                        |
| (C) First Final Flow <u>114</u>     | <input checked="" type="checkbox"/> Safety Joint <u>75</u>          | T-Open <u>1115</u>                           |
| (D) Initial Shut-In <u>1051</u>     | <input type="checkbox"/> Circ Sub                                   | T-Pulled <u>0220 1420</u>                    |
| (E) Second Initial Flow <u>114</u>  | <input checked="" type="checkbox"/> Hourly Standby <u>2.25h 225</u> | T-Out <u>1716</u>                            |
| (F) Second Final Flow <u>144</u>    | <input checked="" type="checkbox"/> Mileage <u>113.75</u>           | Comments                                     |
| (G) Final Shut-In <u>1070</u>       | <input type="checkbox"/> Sampler                                    |  |
| (H) Final Hydrostatic <u>2290</u>   | <input checked="" type="checkbox"/> Straddle <u>600</u>             | <input type="checkbox"/> EM Tool             |
|                                     | <input checked="" type="checkbox"/> Shale Packer <u>250</u>         | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>30</u>              | <input type="checkbox"/> Extra Packer                               | <input type="checkbox"/> Ruined Packer       |
| Initial Shut-In <u>30</u>           | <input type="checkbox"/> Extra Recorder                             | <input type="checkbox"/> Extra Copies        |
| Final Flow <u>60</u>                | <input type="checkbox"/> Day Standby                                | Sub Total <u>0</u>                           |
| Final Shut-In <u>60</u>             | <input type="checkbox"/> Accessibility                              | Total <u>2963.75</u>                         |
|                                     | Sub Total <u>29.63.75</u>   | MP/DST Disc'l                                |

Approved By \_\_\_\_\_ Our Representative [Signature]

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Remit To: Hurricane Services, Inc.  
 250 N. Water, Suite 200  
 Wichita, KS 67202  
 316-303-9515

Customer:  
 PALOMINO PETROLEUM INC  
 4924 SE 84TH ST  
 NEWTON, KS 67114-8827

Invoice Date: 1/8/2022  
 Invoice #: 0358158  
 Lease Name: Speedway  
 Well #: 1 (New)  
 County: Lane, Ks  
 Job Number: WP2292  
 District: Pratt

| Date/Description         | HRS/QTY | Rate    | Total    |
|--------------------------|---------|---------|----------|
| Surface Pipe-New Well    | 0.000   | 0.000   | 0.00     |
| H-325                    | 200.000 | 18.400  | 3,680.00 |
| Light Eq Mileage         | 70.000  | 1.840   | 128.80   |
| Heavy Eq Mileage         | 70.000  | 3.680   | 257.60   |
| Ton Mileage              | 658.000 | 1.380   | 908.04   |
| Depth Charge 0'-500'     | 1.000   | 920.000 | 920.00   |
| Cement Blending & Mixing | 200.000 | 1.288   | 257.60   |

*Cement for surface for #1  
 1/8*

**Total** 6,152.04 ✓

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**

Hurricane Services, Inc.  
250 N. Water St., Suite #200  
Wichita, KS 67202



|                  |                    |  |             |   |           |
|------------------|--------------------|--|-------------|---|-----------|
| Customer         | PALOMINO PETROLEUM | Lease & Well #   | SPEEDWAY #1 | Date  | 1/8/2022  |
| Service District | PRATT, KS.         | County & State   | LANE, KS.   | Legals S/T/R  | 3-16S-27N |
| Job Type         | SURFACE PIPE       | <input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD | New Well?   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> No | Ticket #  |
|                  |                    |  |             |   | WP 2292   |

| Equipment # | Driver   | Job Safety Analysis - A Discussion of Hazards & Safety Procedures |   |  |  |
|-------------|----------|---|---|--|--|
| 926         | LESLEY   | <input checked="" type="checkbox"/> Hard hat                      | <input checked="" type="checkbox"/> Gloves            | <input type="checkbox"/> Lockout/Tagout                            | <input type="checkbox"/> Warning Signs & Flagging                      |
| 179-521     | MARTINEZ | <input checked="" type="checkbox"/> H2S Monitor                   | <input checked="" type="checkbox"/> Eye Protection    | <input type="checkbox"/> Required Permits                          | <input type="checkbox"/> Fall Protection                               |
| 242         | TRAVINO  | <input checked="" type="checkbox"/> Safety Footwear               | <input type="checkbox"/> Respiratory Protection       | <input checked="" type="checkbox"/> Slip/Trip/Fall Hazards         | <input checked="" type="checkbox"/> Specific Job Sequence/Expectations |
|             |          | <input checked="" type="checkbox"/> FRC/Protective Clothing       | <input type="checkbox"/> Additional Chemical/Acid PPE | <input type="checkbox"/> Overhead Hazards                          | <input checked="" type="checkbox"/> Muster Point/Medical Locations     |
|             |          | <input checked="" type="checkbox"/> Hearing Protection            | <input checked="" type="checkbox"/> Fire Extinguisher | <input type="checkbox"/> Additional concerns or issues noted below |  |

**Comments**  
**8 5/8" SURFACE PIPE**

| Product/ Service Code | Description                      | Unit of Measure | Quantity | Net Amount |
|-----------------------|----------------------------------|-----------------|----------|------------|
| CP015                 | H-325                            | sack            | 200.00   | \$3,680.00 |
| M015                  | Light Equipment Mileage          | mi              | 70.00    | \$128.80   |
| M010                  | Heavy Equipment Mileage          | mi              | 70.00    | \$257.60   |
| M020                  | Ton Mileage                      | tm              | 658.00   | \$908.04   |
| D010                  | Depth Charge: 0'-500'            | job             | 1.00     | \$920.00   |
| C060                  | Cement Blending & Mixing Service | sack            | 200.00   | \$257.60   |
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|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Customer Section: On the following scale how would you rate Hurricane Services Inc.? |                          |                          |                          | Net:                     | \$6,152.04               |
| Based on this job, how likely is it you would recommend HSI to a colleague?          |                          |                          | Total Taxable \$ -       | Tax Rate:                |                          |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1  | 2                        | 3                        | 4                        | 5                        | 6                        |
| 7  | 8                        | 9                        | 10                       | Extremely Likely         |                          |
|  |                          |                          |                          | Sale Tax:                | \$ -                     |
|  |                          |                          |                          | Total:                   | \$ 6,152.04              |
|  |                          |                          |                          | HSI Representative:      | <i>Kevin Lesley</i>      |

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**





**CEMENT TREATMENT REPORT**

|              |                           |         |                    |          |                     |
|--------------|---------------------------|---------|--------------------|----------|---------------------|
| Customer:    | <b>PALOMINO PETROLEUM</b> | Well:   | <b>SPEEDWAY #1</b> | Ticket:  | <b>WP 2292</b>      |
| City, State: |                           | County: | <b>LANE, KS.</b>   | Date:    | <b>1/8/2022</b>     |
| Field Rep:   | <b>LANNY</b>              | S-T-R:  | <b>3-16S-27N</b>   | Service: | <b>SURFACE PIPE</b> |

| Downhole Information |                  |
|----------------------|------------------|
| 242                  | <b>12 1/4 in</b> |
| Hole Depth:          | <b>228 ft</b>    |
| Casing Size:         | <b>8 5/8 in</b>  |
| Casing Depth:        | <b>226 ft</b>    |
| Tubing / Liner:      | <b>in</b>        |
| PLUG Depth:          | <b>206 ft</b>    |
| Tool / Packer:       |                  |
| Tool Depth:          | <b>ft</b>        |
| Displacement:        | <b>13.0 bbls</b> |

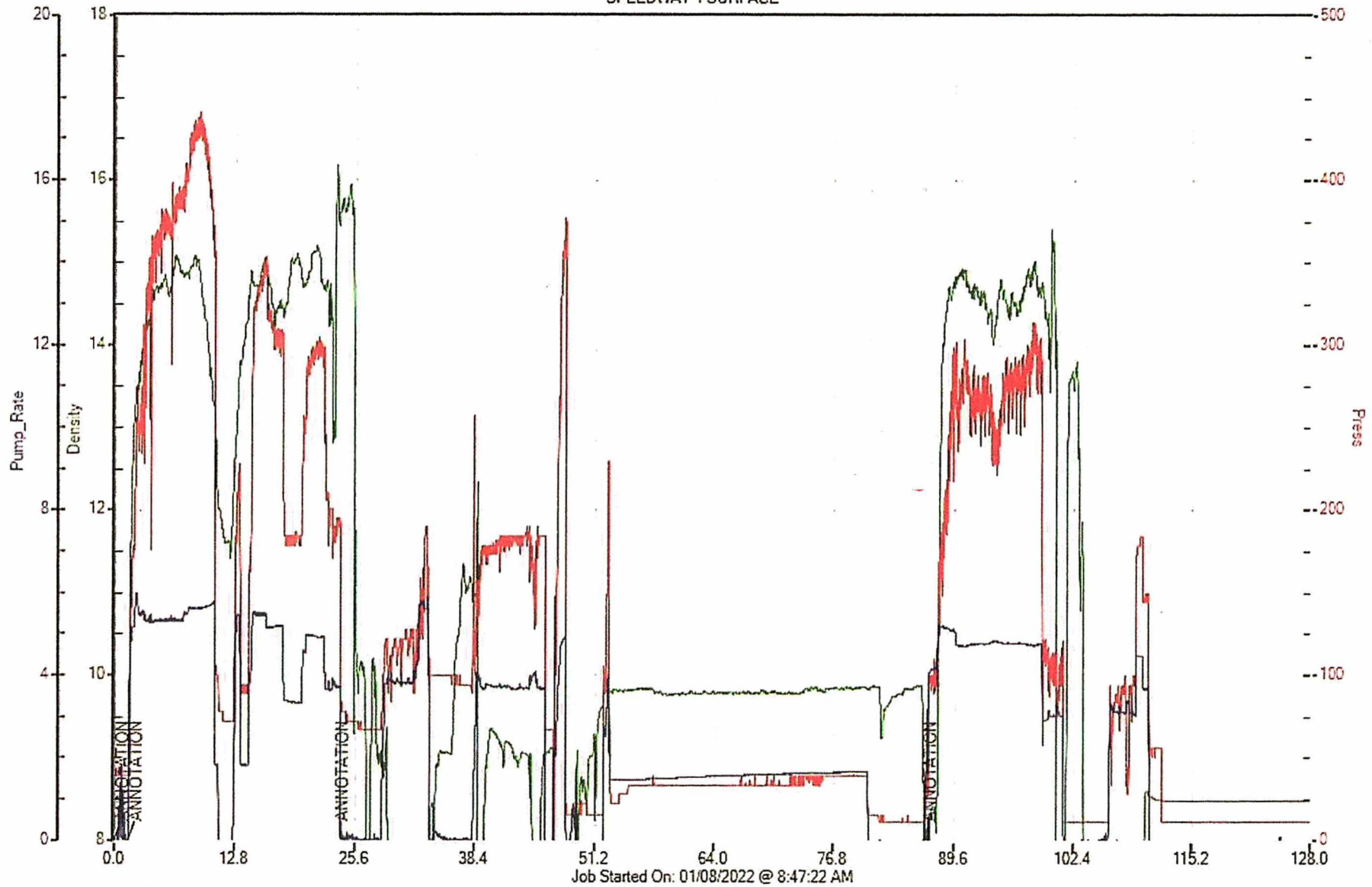
| Calculated Slurry - Lead |                            |
|--------------------------|----------------------------|
| Blend:                   |                            |
| Weight:                  | <b>ppg</b>                 |
| Water / Sx:              | <b>gal / sx</b>            |
| Yield:                   | <b>ft<sup>3</sup> / sx</b> |
| Annular Bbls / Ft.:      | <b>bbs / ft.</b>           |
| Depth:                   | <b>ft</b>                  |
| Annular Volume:          | <b>0.0 bbls</b>            |
| Excess:                  |                            |
| Total Slurry:            | <b>0.0 bbls</b>            |
| Total Sacks:             | <b>0 sx</b>                |

| Calculated Slurry - Tail |                                 |
|--------------------------|---------------------------------|
| Blend:                   | <b>H-325</b>                    |
| Weight:                  | <b>14.8 ppg</b>                 |
| Water / Sx:              | <b>6.9 gal / sx</b>             |
| Yield:                   | <b>1.41 ft<sup>3</sup> / sx</b> |
| Annular Bbls / Ft.:      | <b>bbs / ft.</b>                |
| Depth:                   | <b>ft</b>                       |
| Annular Volume:          | <b>0 bbls</b>                   |
| Excess:                  |                                 |
| Total Slurry:            | <b>50.2 bbls</b>                |
| Total Sacks:             | <b>200 sx</b>                   |

| TIME    | RATE | PSI   | BBLs | STAGE TOTAL BBLs | REMARKS   |
|---------|------|-------|------|------------------|---|
| 11:30PM |      |       | -    | -                | ON LOCATION- SPOT EQUIPMENT                                   |
| 2:00AM  |      |       |      | -                | RUN 5 JTS OF 8 5/8" X 23# CASING                              |
| 2:40AM  |      |       |      | -                | CASING ON BOTTOM  |
| 2:45AM  |      |       |      | -                | HOOK UP TO CASING AND BREAK CIRCULATION WITH RIG PUMP AND MUD |
| 3:00AM  | 5.0  | 300.0 | 10.0 | 10.0             | H2o AHEAD   |
| 3:10AM  | 5.0  | 200.0 | 50.2 | 60.2             | MIX 200 SKS H-325 BLEND CEMENT @ 14.8 PPG                     |
| 3:20AM  | 5.0  | 100.0 | -    | 60.2             | START DISPLACEMENT  |
| 3:30AM  | 3.0  | 200.0 | 13.0 | 73.2             | CEMENT @ DESIRED DEPTH  |
|         |      |       |      | 73.2             | CIRCULATION THRU JOB  |
|         |      |       |      | 73.2             | CIRCULATED 2 BBL TO PIT                                       |
|         |      |       |      | 73.2             | WASH UP PUMP TRUCK  |
|         |      |       |      |                  | JOB COMPLETE,   |
|         |      |       |      |                  | THANKS- KEVEN AND CREW  |

| CREW           |                 | UNIT           | SUMMARY        |                  |                |
|----------------|-----------------|----------------|----------------|------------------|----------------|
| Cementor:      | <b>LESLEY</b>   | <b>926</b>     | Average Rate   | Average Pressure | Total Fluid    |
| Pump Operator: | <b>MARTINEZ</b> | <b>179-521</b> | <b>4.5 bpm</b> | <b>200 psi</b>   | <b>73 bbls</b> |
| Bulk #1:       | <b>TRAVINO</b>  | <b>242</b>     |                |                  |                |
| Bulk #2:       |                 |                |                |                  |                |

PALOMINO PETROLEUM  
SPEEDWAY 1 SURFACE



Job Started On: 01/08/2022 @ 8:47:22 AM