

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <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: <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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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

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



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: 5/12/2022
 Invoice #: 0360723
 Lease Name: Tomahawk
 Well #: 1 (New)
 County: Gove, Ks
 Job Number: WP2798
 District: Oakley

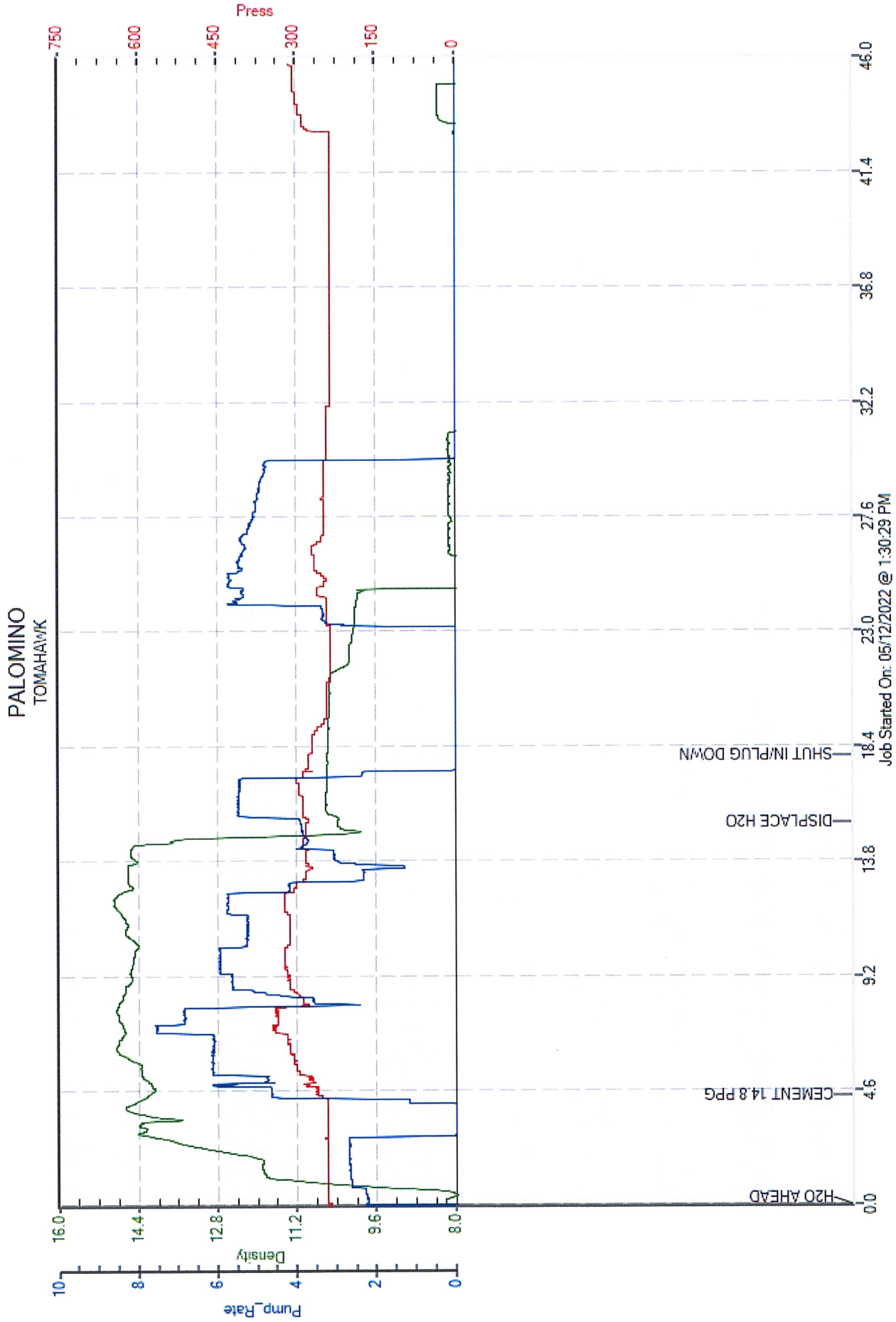
Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	21.150	4,230.00
Heavy Eq Mileage	40.000	4.000	160.00
Light Eq Mileage	40.000	2.000	80.00
Ton Mileage	376.000	1.500	564.00
Depth Charge 0'-500'	1.000	940.000	940.00
Cement Blending & Mixing	200.000	1.316	263.20
Service Supervisor	1.000	258.500	258.50

Total 6,495.70

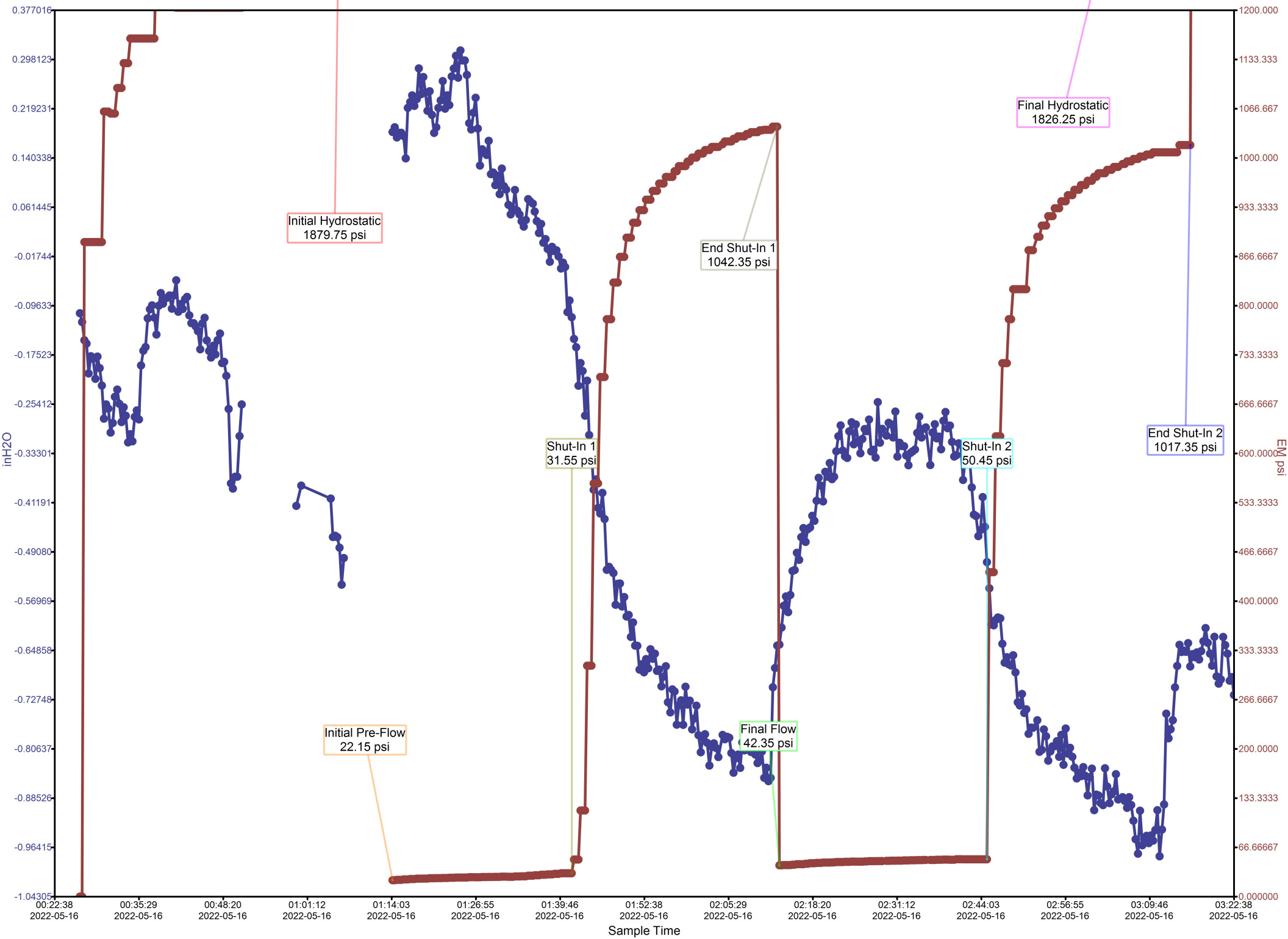
TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus 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!



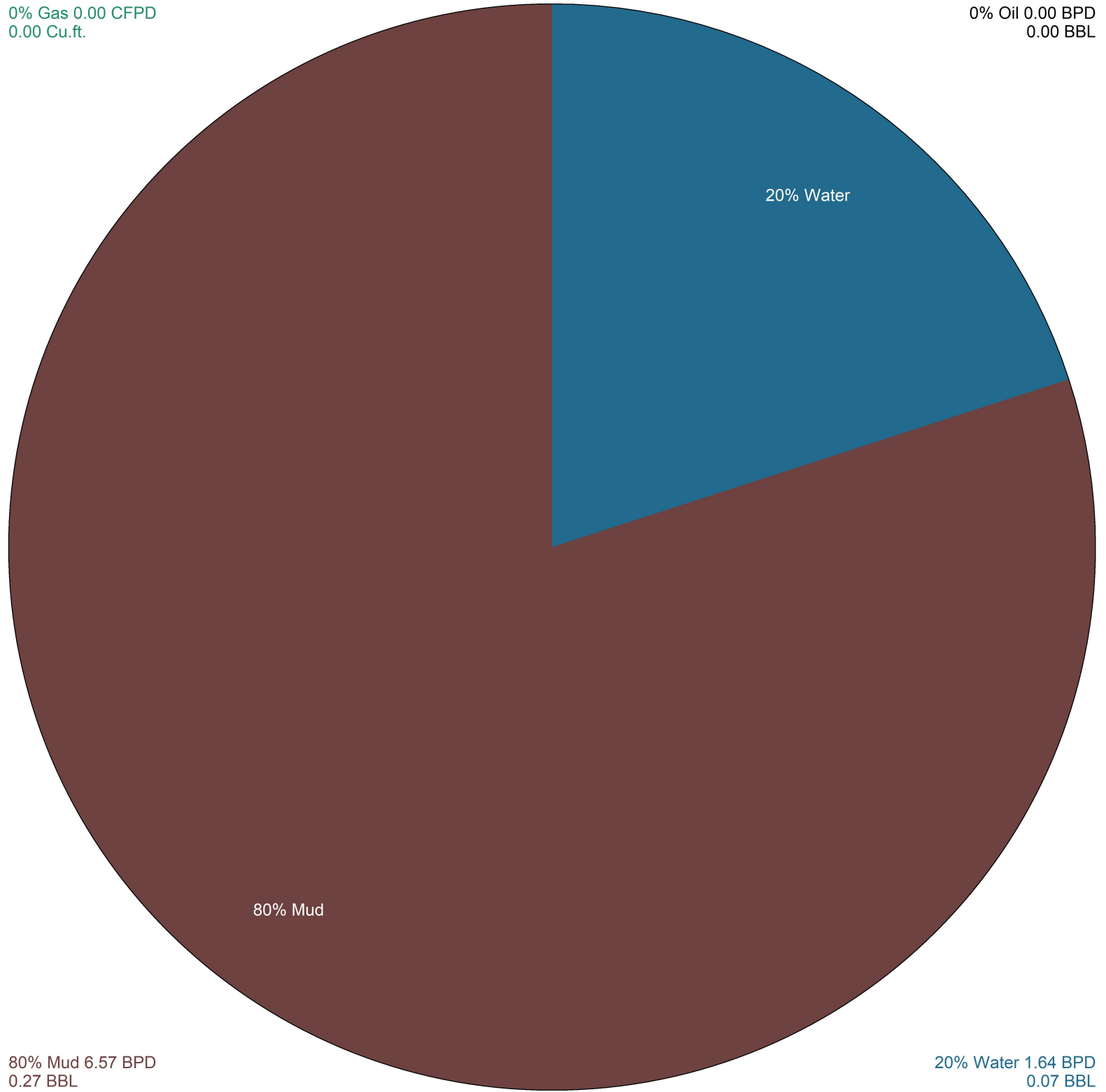
Palomino Petroleum - Tomahawk 1 - DST #1



Calculated Recovery Analysis - Palomino Petroleum - Tomahawk 1 - DST #1

0% Gas 0.00 CFPD
0.00 Cu.ft.

0% Oil 0.00 BPD
0.00 BBL

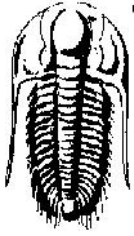


80% Mud

20% Water

80% Mud 6.57 BPD
0.27 BBL

20% Water 1.64 BPD
0.07 BBL



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 New ton KS 67114+8827
 ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #2
 Job Ticket: 69035 **DST#: 1**
 Test Start: 2022.05.15 @ 22:55:00

GENERAL INFORMATION:

Formation: **Tor-LKC A**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:14:02
 Tester: Spencer J Staab
 Time Test Ended: 05:05:32
 Unit No: 84
 Interval: **3861.00 ft (KB) To 3930.00 ft (KB) (TVD)**
 Reference Elevations: 2811.00 ft (KB)
 Total Depth: 3930.00 ft (KB) (TVD)
 2800.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 11.00 ft

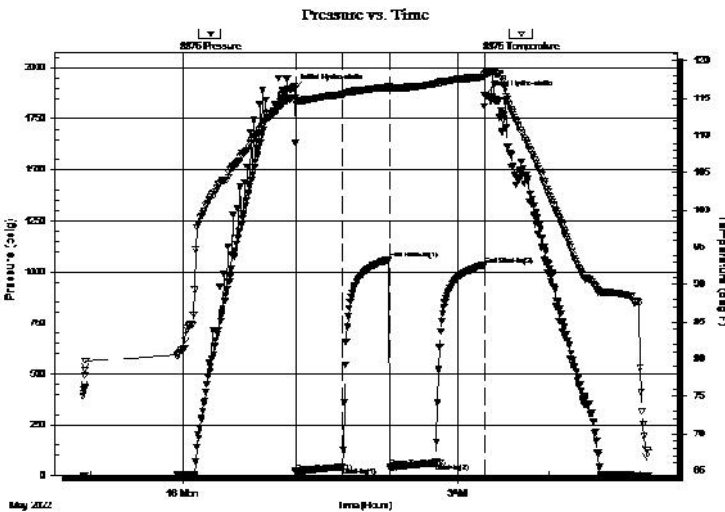
Serial #: 8875

Inside

Press@RunDepth: 61.10 psig @ 3867.00 ft (KB) Capacity: psig
 Start Date: 2022.05.15 End Date: 2022.05.16 Last Calib.: 2022.05.16
 Start Time: 22:55:01 End Time: 05:05:32 Time On Btm: 2022.05.16 @ 01:13:52
 Time Off Btm: 2022.05.16 @ 03:18:12

TEST COMMENT: 30-IF-Surface to 1/2"
 30-ISI-No Return
 30-FF-Surface Blow
 30-FSI-No Return

PRESSURE SUMMARY



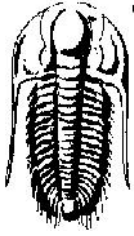
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1899.63	115.09	Initial Hydro-static
1	20.01	114.49	Open To Flow (1)
31	41.87	115.56	Shut-In(1)
62	1060.24	116.49	End Shut-In(1)
62	43.20	116.29	Open To Flow (2)
92	61.10	116.94	Shut-In(2)
124	1033.73	117.94	End Shut-In(2)
125	1868.95	118.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	WCM 20%W 80%M	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #2
Job Ticket: 69035 **DST#: 1**
Test Start: 2022.05.15 @ 22:55:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	83000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	WCM 20%W 80%M	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: 2#LCM
 RW=.137@50F

Serial #: 8875

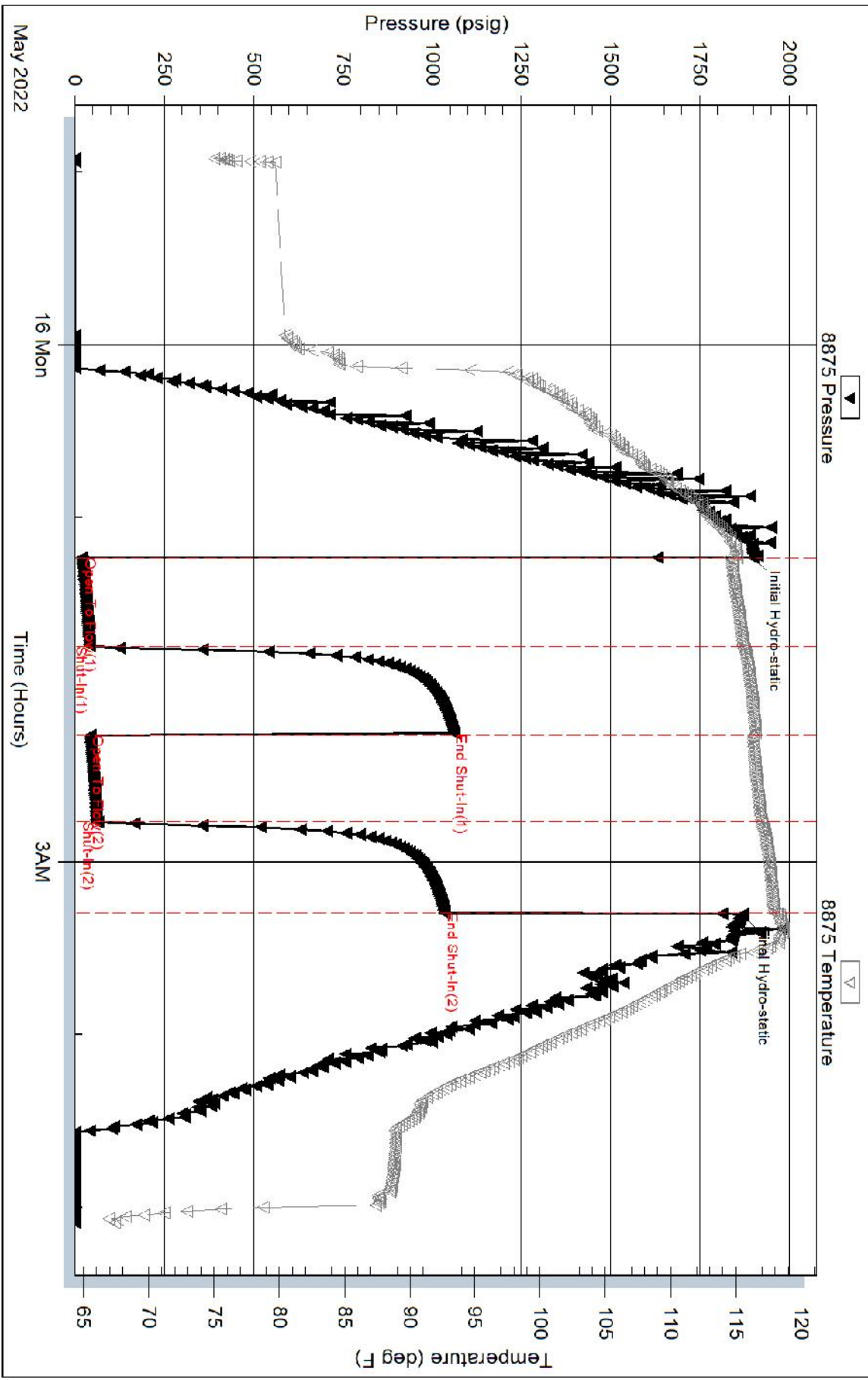
Inside

Palomino Petroleum Inc

Tomahawk #2

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 69035

Printed: 2022.05.16 @ 06:46:44

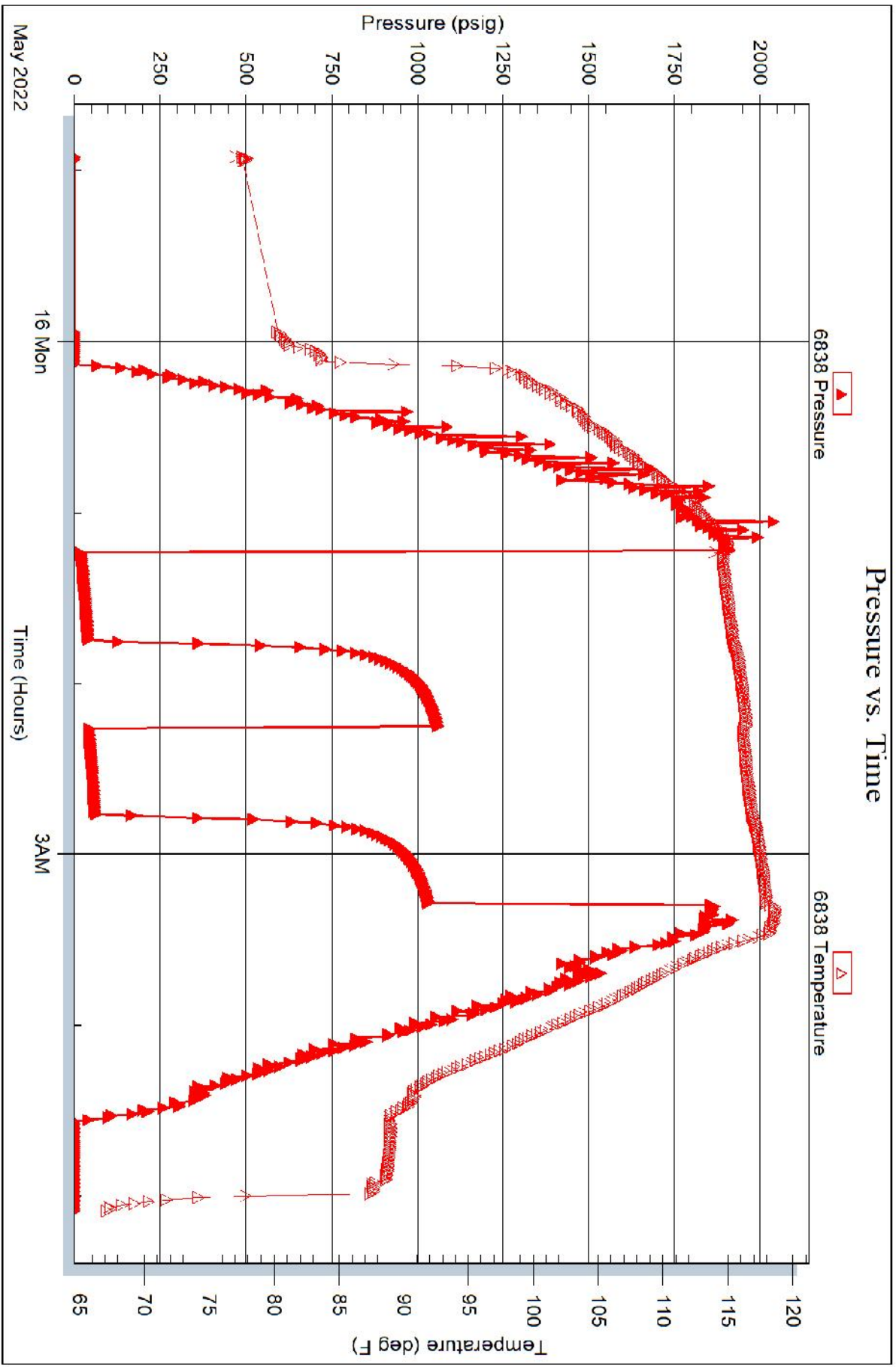
Serial #: 6838

Inside

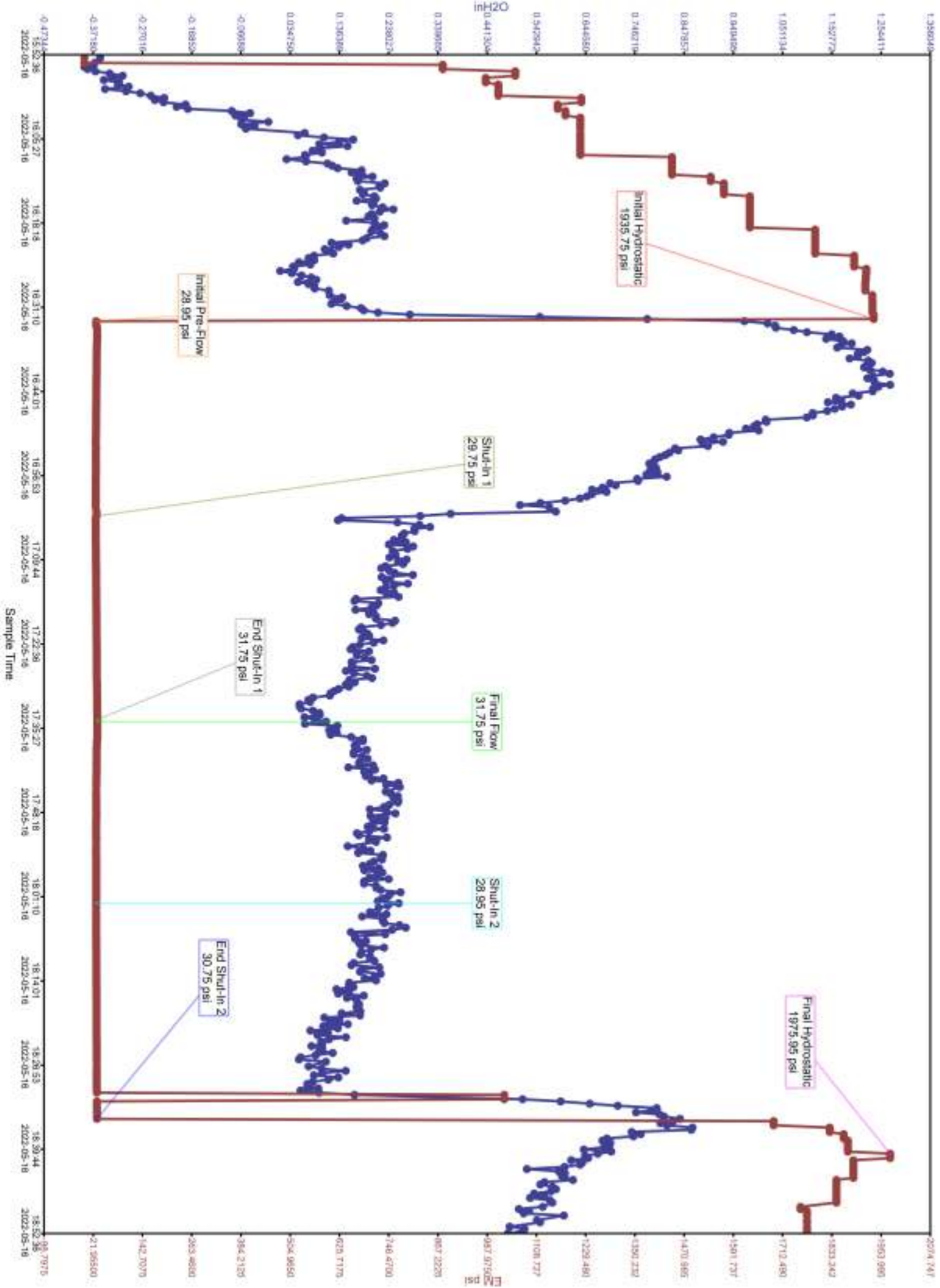
Palomino Petroleum Inc

Tomahawk #2

DST Test Number: 1



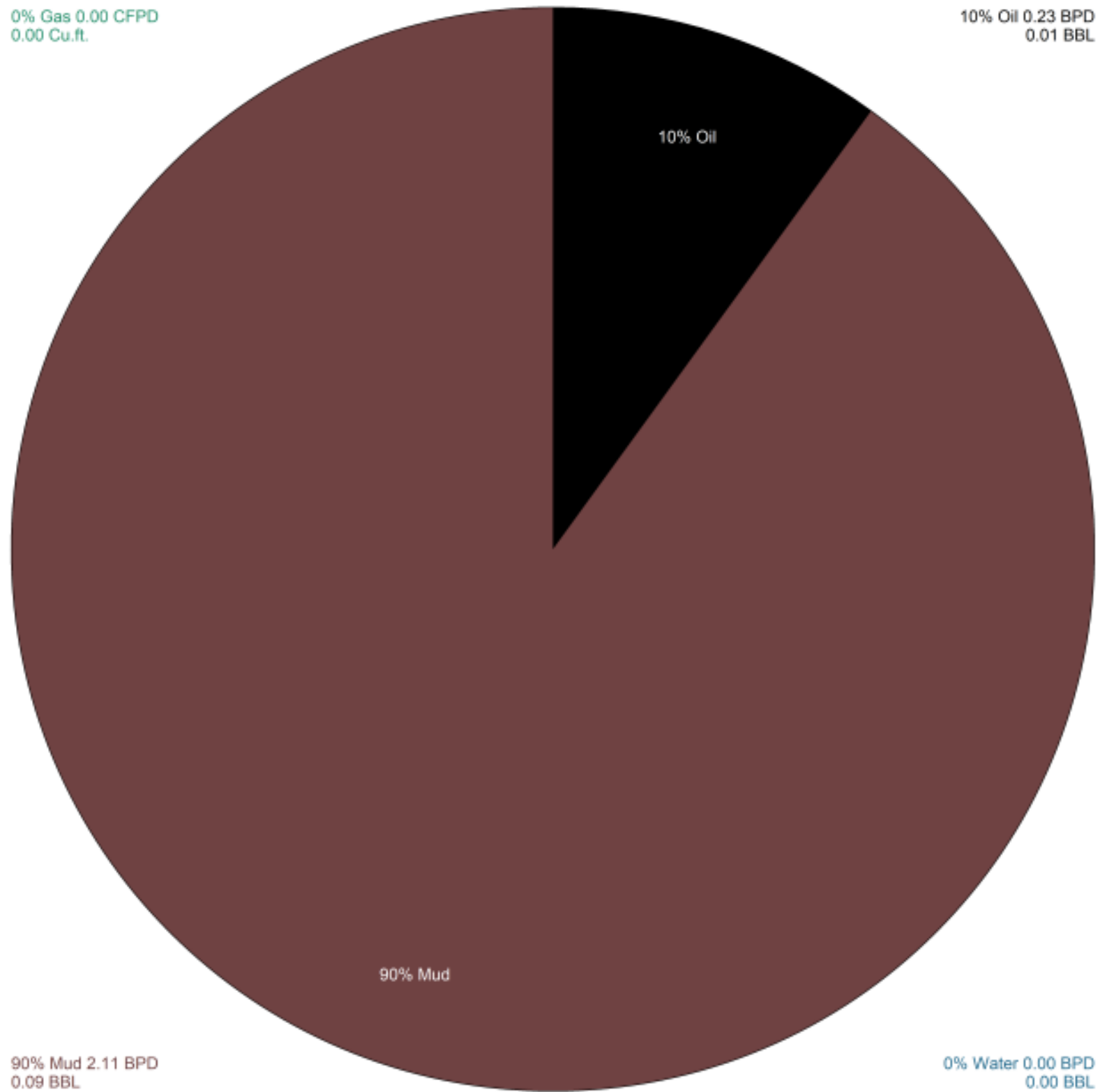
Palomino Petroleum - Tomahawk 1 - DST #2



Calculated Recovery Analysis - Palomino Petroleum - Tomahawk 1 - DST #2

0% Gas 0.00 CFPD
0.00 Cu.ft.

10% Oil 0.23 BPD
0.01 BBL

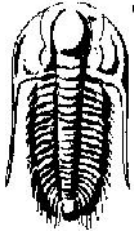


90% Mud

10% Oil

90% Mud 2.11 BPD
0.09 BBL

0% Water 0.00 BPD
0.00 BBL



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton KS 67114+8827
 ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
 Job Ticket: 69036 **DST#: 2**
 Test Start: 2022.05.16 @ 14:50:00

GENERAL INFORMATION:

Formation: **LKC B-E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:36:37
 Time Test Ended: 20:39:52
 Interval: **3920.00 ft (KB) To 3980.00 ft (KB) (TVD)**
 Total Depth: 3980.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2811.00 ft (KB)
 2800.00 ft (CF)
 KB to GR/CF: 11.00 ft

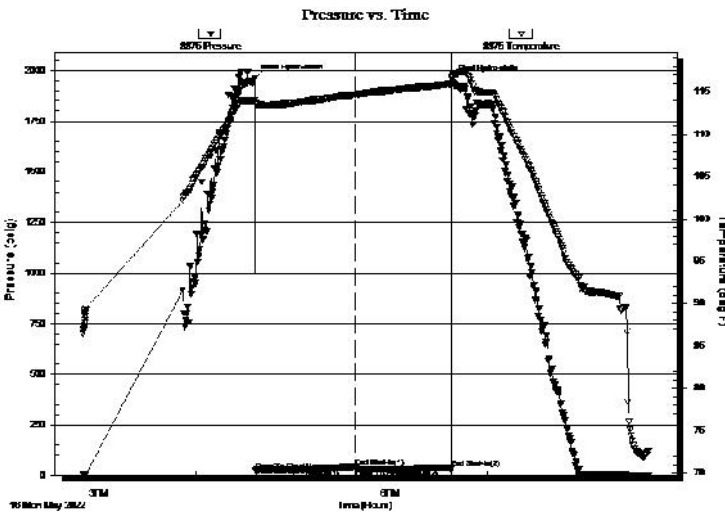
Serial #: 8875

Inside

Press@RunDepth: 33.61 psig @ 3926.00 ft (KB) Capacity: psig
 Start Date: 2022.05.16 End Date: 2022.05.16 Last Calib.: 2022.05.16
 Start Time: 14:50:01 End Time: 20:39:52 Time On Btm: 2022.05.16 @ 16:36:17
 Time Off Btm: 2022.05.16 @ 18:37:57

TEST COMMENT: 30-IF-Surface to 1"
 30-ISI-No Return
 30-FF-No Blow
 30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.92	113.97	Initial Hydro-static
1	24.77	113.61	Open To Flow (1)
32	32.30	113.88	Shut-In(1)
63	41.66	114.71	End Shut-In(1)
63	33.24	114.71	Open To Flow (2)
93	33.61	115.39	Shut-In(2)
122	38.62	115.97	End Shut-In(2)
122	1954.07	116.67	Final Hydro-static

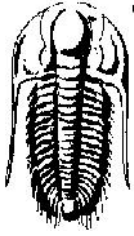
Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 10%O 90%M	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
Job Ticket: 69036 **DST#: 2**
Test Start: 2022.05.16 @ 14:50:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCM 10%O 90%M	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: 3#LCM

Serial #: 8875

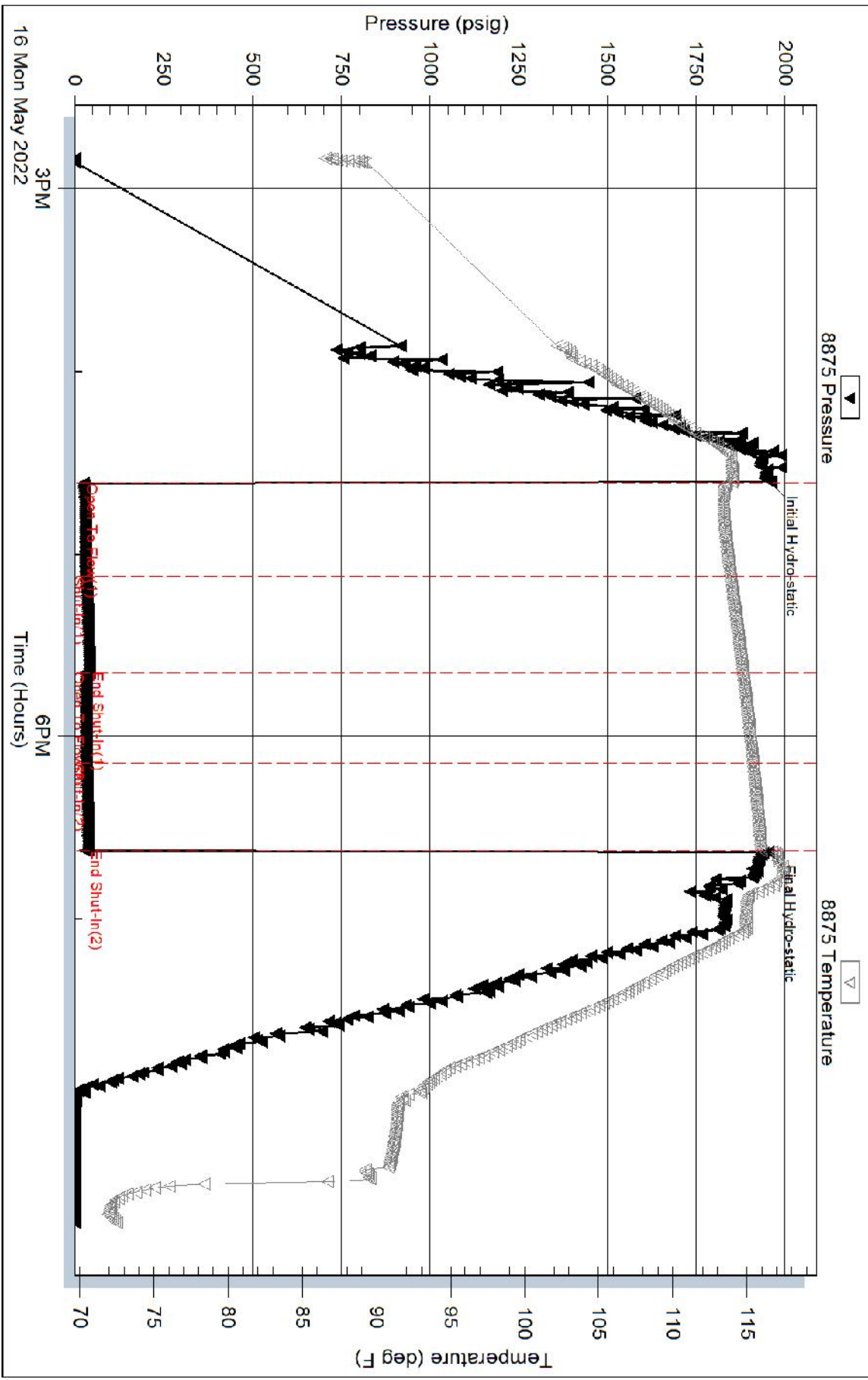
Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 2

Pressure vs. Time



16 Mon May 2022

Time (Hours)

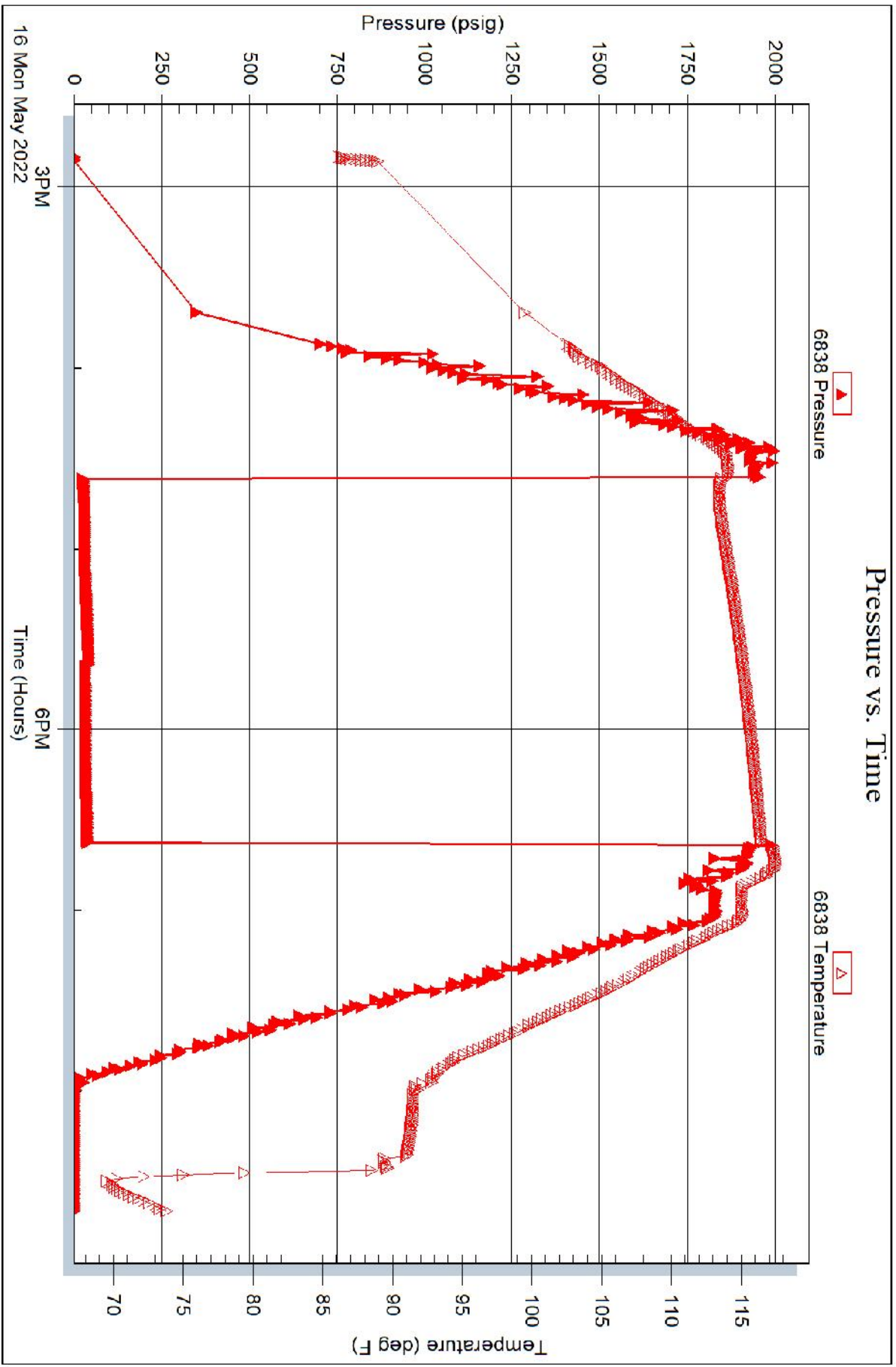
Serial #: 6838

Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 2

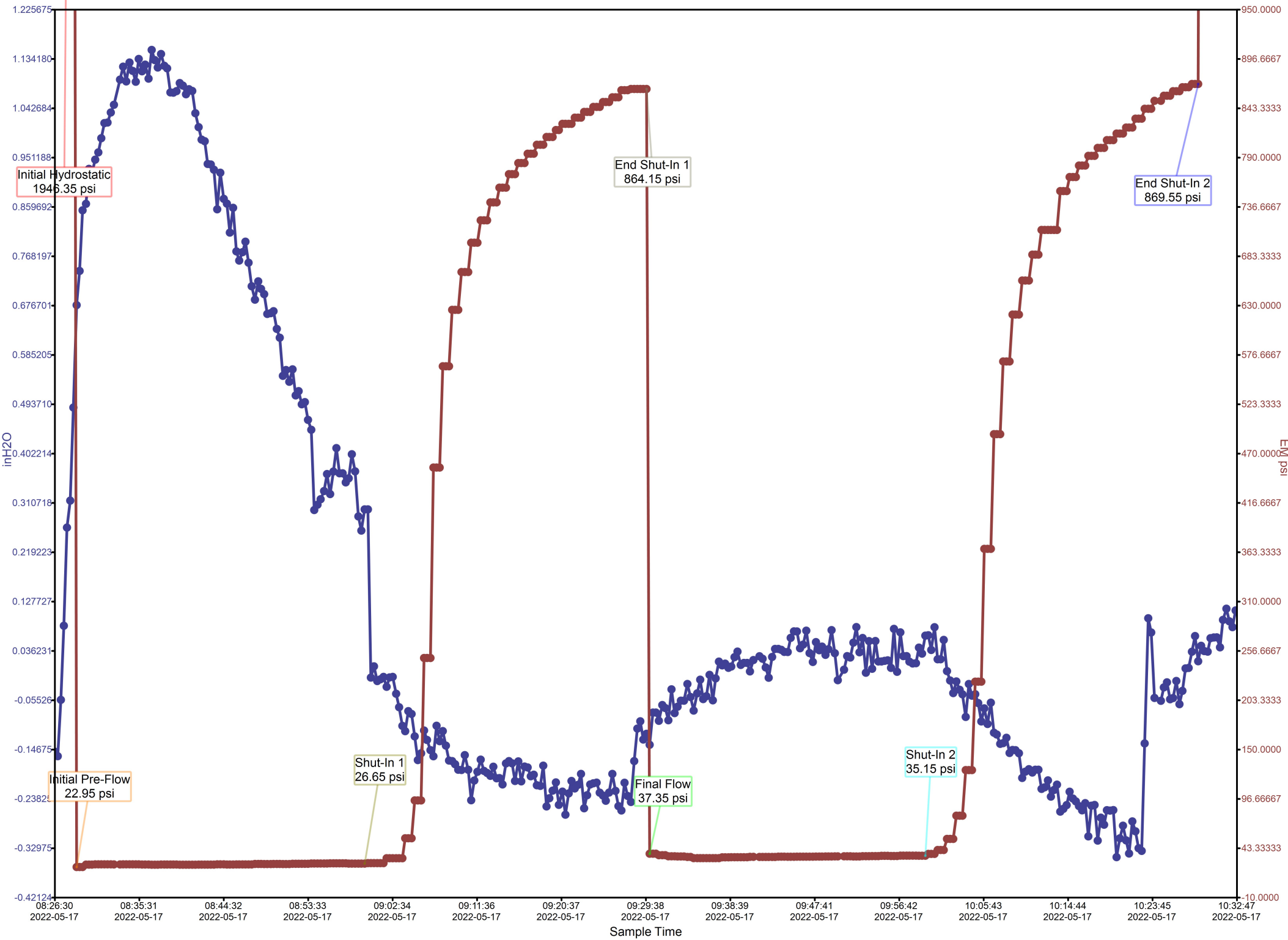


Trilobite Testing, Inc

Ref. No: 69036

Printed: 2022.05.16 @ 21:58:32

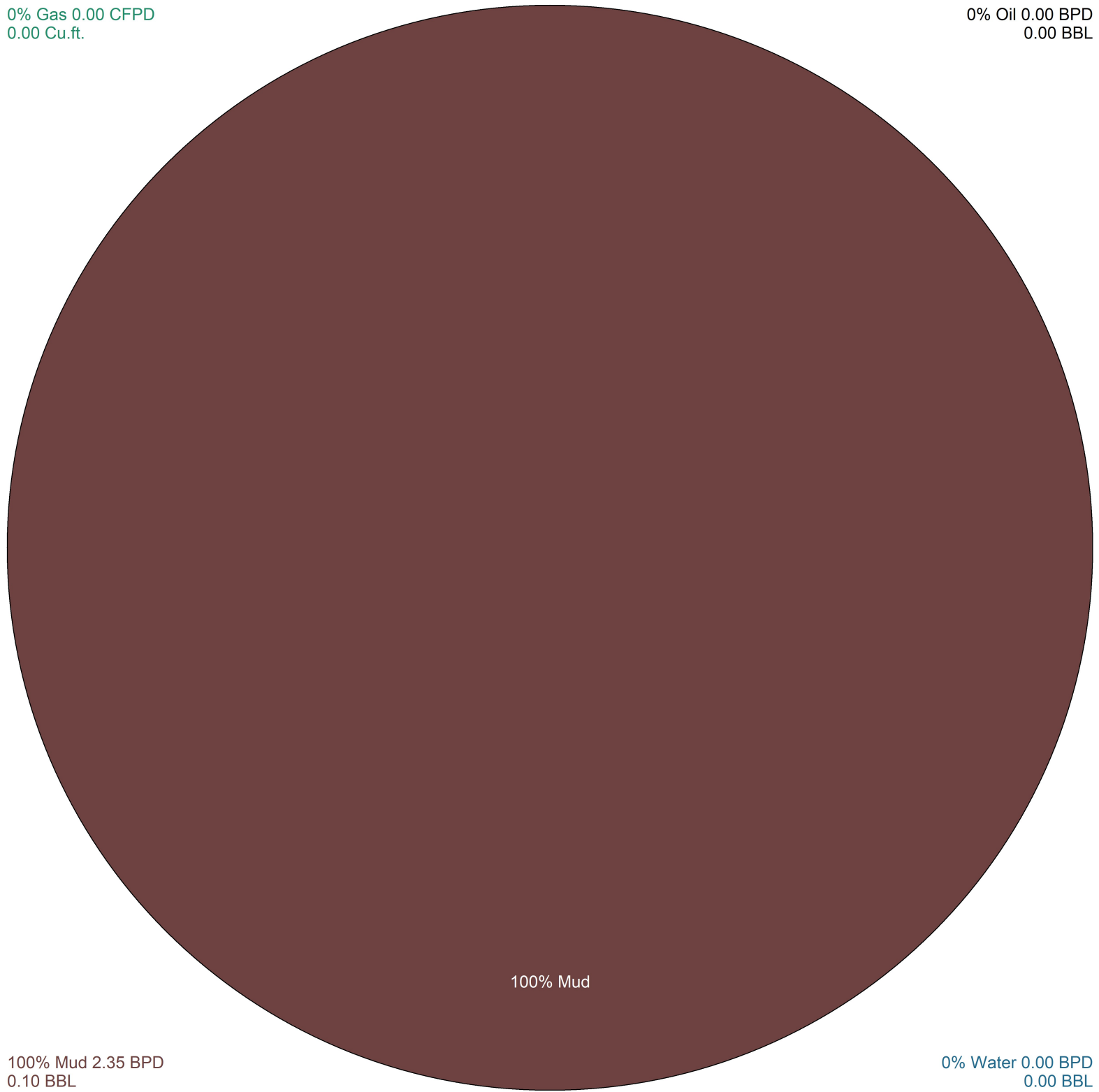
Palomino Petroleum - Tomahawk 1 - DST #3



Calculated Recovery Analysis - Palomino Petroleum - Tomahawk 1 - DST #3

0% Gas 0.00 CFPD
0.00 Cu.ft.

0% Oil 0.00 BPD
0.00 BBL



100% Mud

100% Mud 2.35 BPD
0.10 BBL

0% Water 0.00 BPD
0.00 BBL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

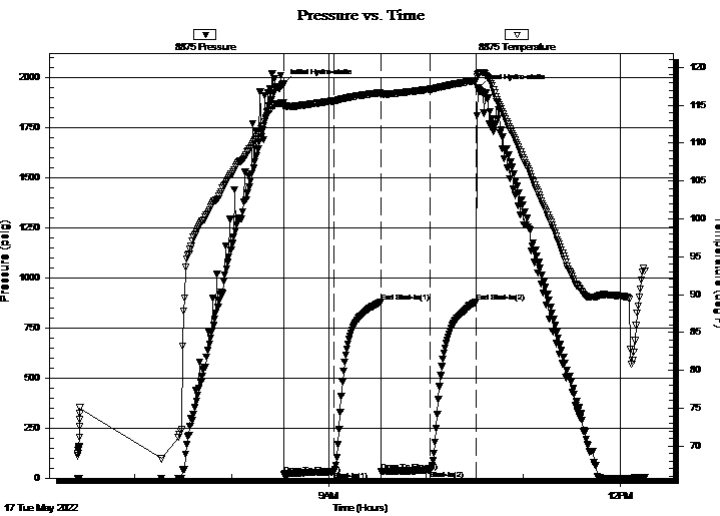
20-14s-30w Gove KS
Tomahawk #1
Job Ticket: 69037 **DST#: 3**
Test Start: 2022.05.17 @ 06:25:00

GENERAL INFORMATION:

Formation: **LKC F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:32:22
Time Test Ended: 12:15:32
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Interval: **3972.00 ft (KB) To 4025.00 ft (KB) (TVD)**
Reference Elevations: 2811.00 ft (KB)
Total Depth: 4025.00 ft (KB) (TVD) 2800.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8875 **Inside**
Press@RunDepth: 39.66 psig @ 3975.00 ft (KB) Capacity: psig
Start Date: 2022.05.17 End Date: 2022.05.17 Last Calib.: 2022.05.17
Start Time: 06:25:01 End Time: 12:15:32 Time On Btm: 2022.05.17 @ 08:32:12
Time Off Btm: 2022.05.17 @ 10:32:02

TEST COMMENT: 30-IF-Surface to 1" Died to 1/2"
30-ISI-No Return
30-FF-No Blow
30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1967.24	115.37	Initial Hydro-static
1	19.77	114.81	Open To Flow (1)
32	32.72	115.60	Shut-In(1)
60	879.62	116.64	End Shut-In(1)
61	33.22	116.43	Open To Flow (2)
91	39.66	117.13	Shut-In(2)
120	880.44	118.32	End Shut-In(2)
120	1946.70	119.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%M	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
Job Ticket: 69037 **DST#: 3**
Test Start: 2022.05.17 @ 06:25:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100%M	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: 3#LCM

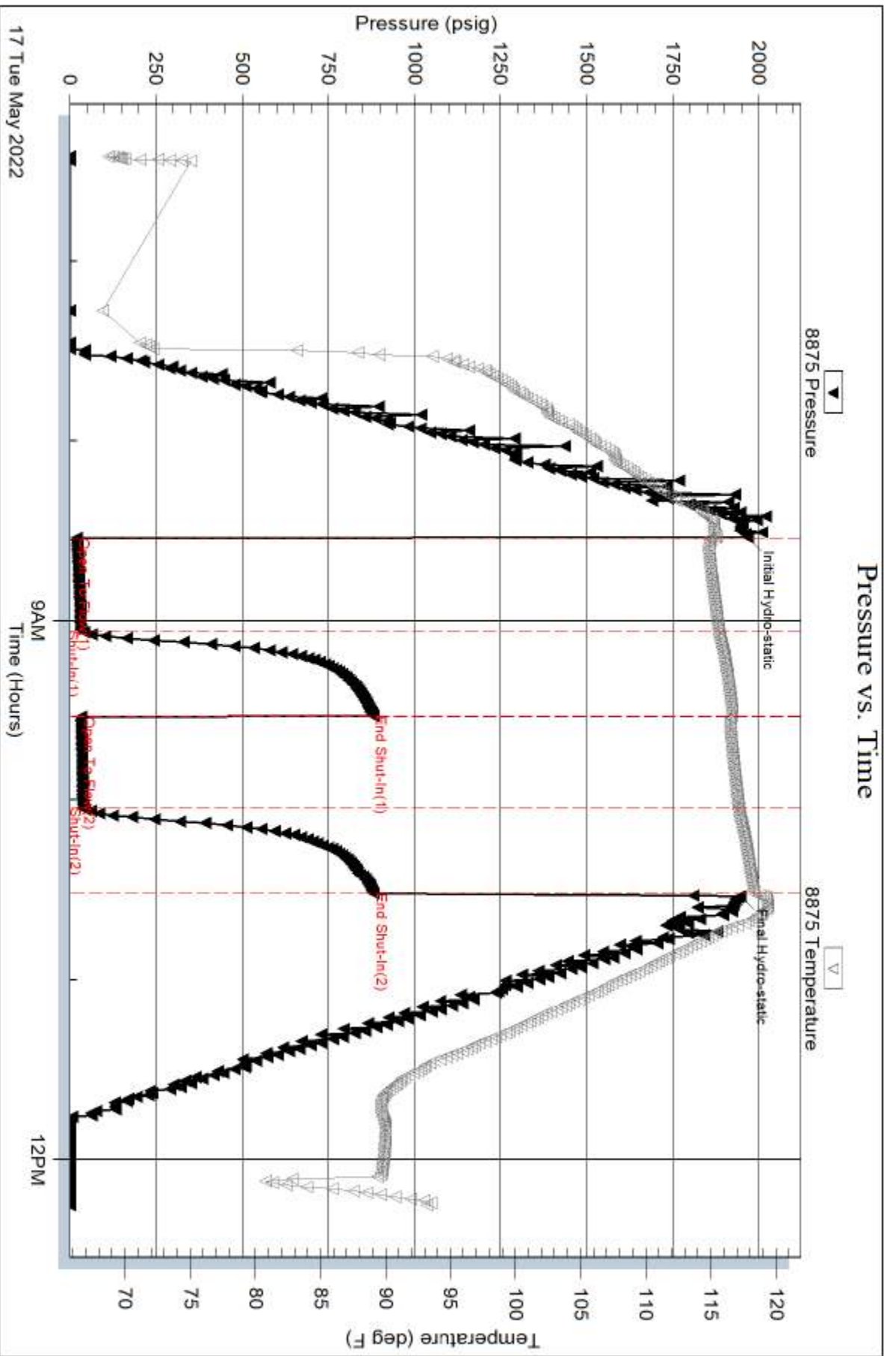
Serial #: 8875

Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 69037

Printed: 2022.05.17 @ 13:49:28

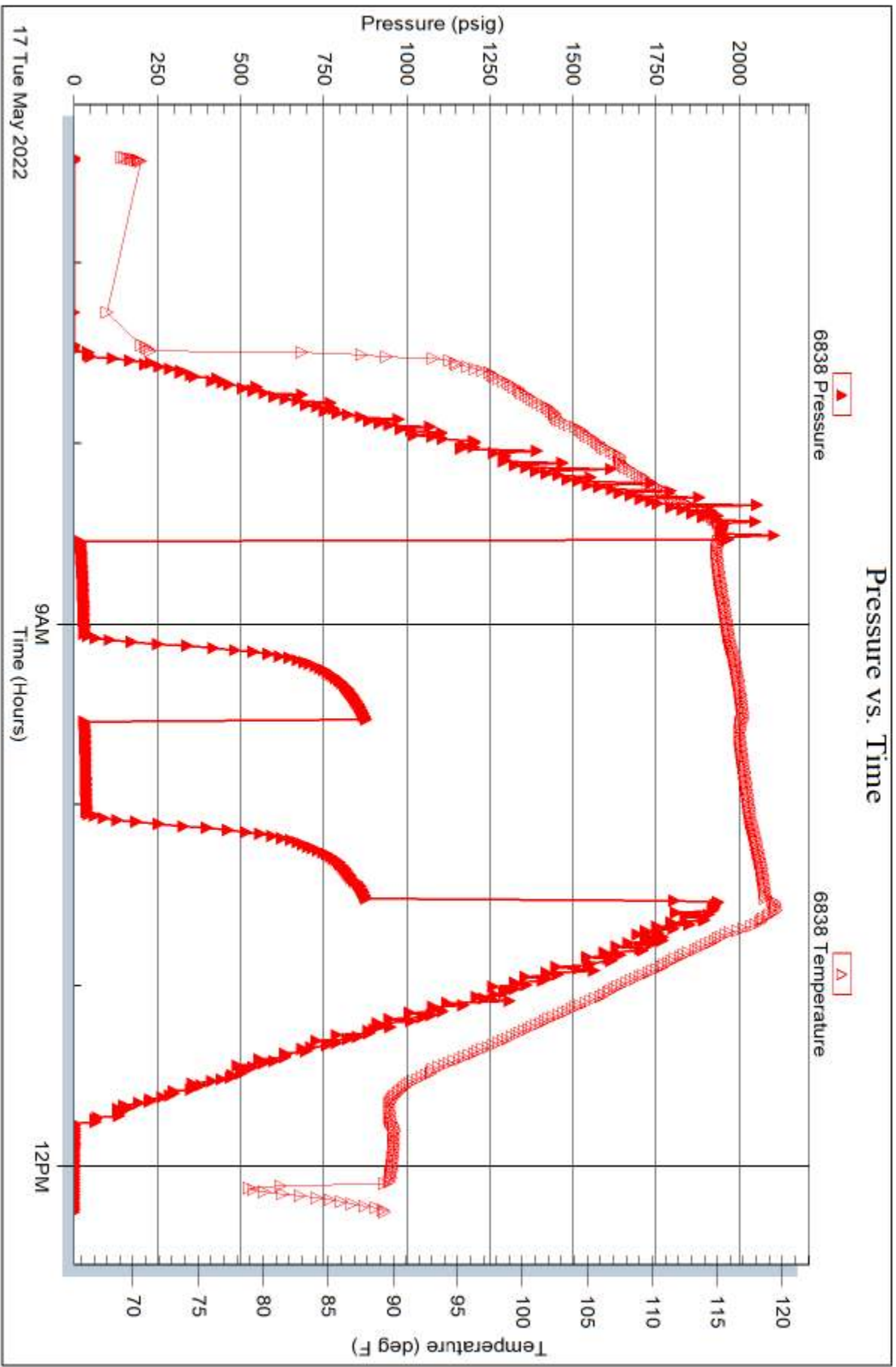
Serial #: 6838

Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 3

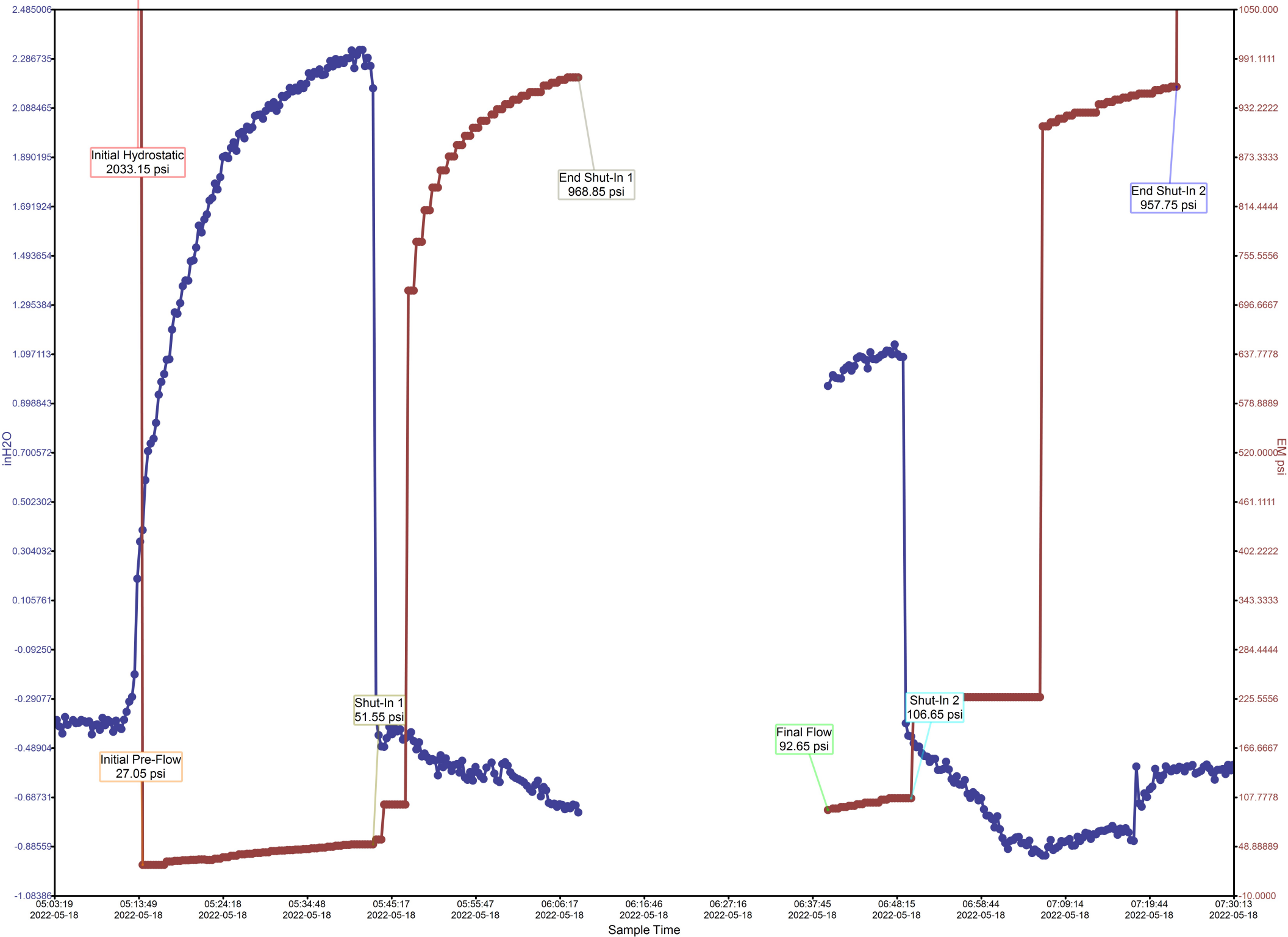


Trilobite Testing, Inc

Ref. No: 69037

Printed: 2022.05.17 @ 13:49:28

Palomino Petroleum - Tomahawk 1 - DST #4



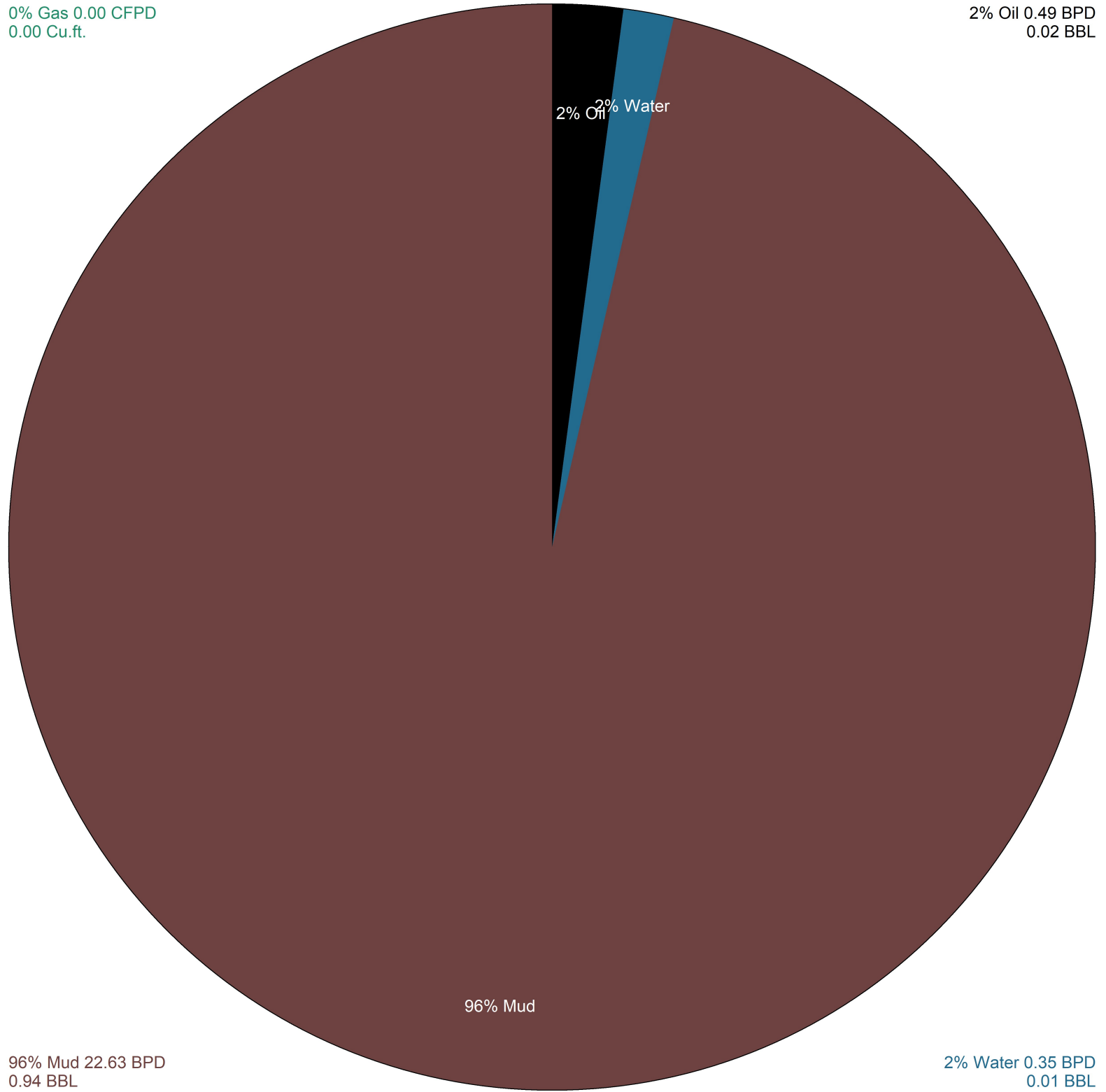
Calculated Recovery Analysis - Palomino Petroleum - Tomahawk 1 - DST #4

0% Gas 0.00 CFPD
0.00 Cu.ft.

2% Oil 0.49 BPD
0.02 BBL

96% Mud 22.63 BPD
0.94 BBL

2% Water 0.35 BPD
0.01 BBL





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 New ton KS 67114+8827
 ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
 Job Ticket: 69038 **DST#: 4**
 Test Start: 2022.05.18 @ 03:08:00

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:15:17
 Time Test Ended: 09:21:11
 Interval: **4050.00 ft (KB) To 4140.00 ft (KB) (TVD)**
 Total Depth: 4140.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2811.00 ft (KB)
 2800.00 ft (CF)
 KB to GR/CF: 11.00 ft

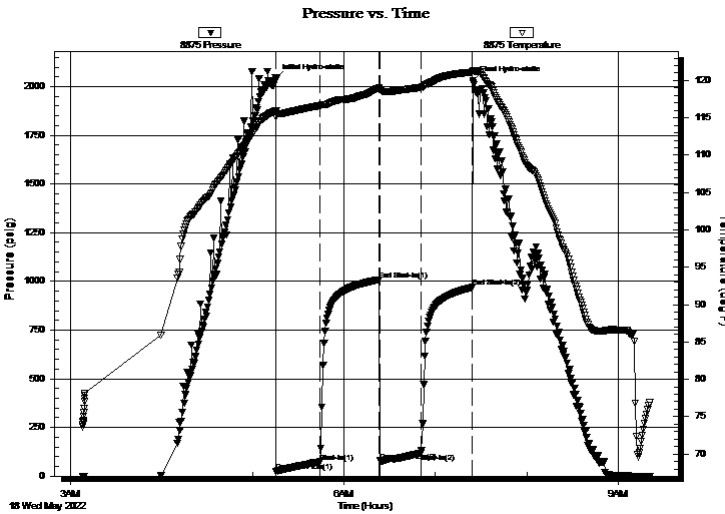
Serial #: 8875

Inside

Press@RunDepth: 117.70 psig @ 4053.00 ft (KB) Capacity: psig
 Start Date: 2022.05.18 End Date: 2022.05.18 Last Calib.: 2022.05.18
 Start Time: 03:08:01 End Time: 09:21:12 Time On Btm: 2022.05.18 @ 05:15:12
 Time Off Btm: 2022.05.18 @ 07:24:37

TEST COMMENT: 30-IF-Surface to 2.5"
 30-ISI-No Return
 30-FF-Surface to 2"
 30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.78	115.92	Initial Hydro-static
1	24.47	115.19	Open To Flow (1)
29	73.11	116.64	Shut-In(1)
68	1008.25	118.99	End Shut-In(1)
69	78.19	118.79	Open To Flow (2)
96	117.70	119.08	Shut-In(2)
129	968.72	121.13	End Shut-In(2)
130	2031.72	121.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM w/oil spots 5%W 95%M	0.30
140.00	VSOCM 3% O 97%M	0.69

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
Job Ticket: 69038 **DST#: 4**
Test Start: 2022.05.18 @ 03:08:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	91000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WCM w/oil spots 5%W 95%M	0.295
140.00	VSOCM 3% O 97%M	0.688

Total Length: 200.00 ft Total Volume: 0.983 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 3#LCM
RW=.088@70F

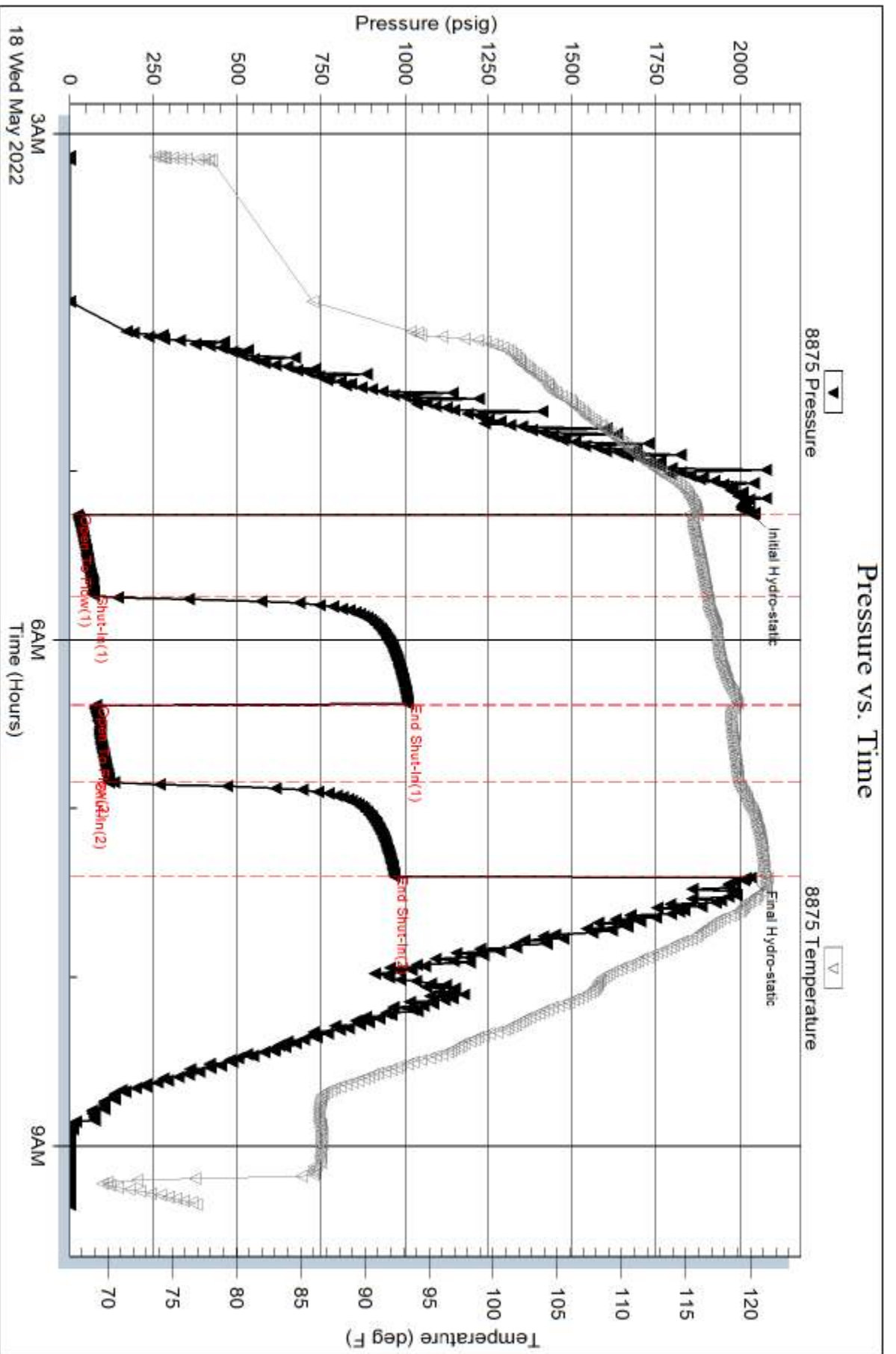
Serial #: 8875

Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 4



18 Wed May 2022

Tribble Testing, Inc

Ref. No: 69038

Printed: 2022.05.18 @ 14:10:25

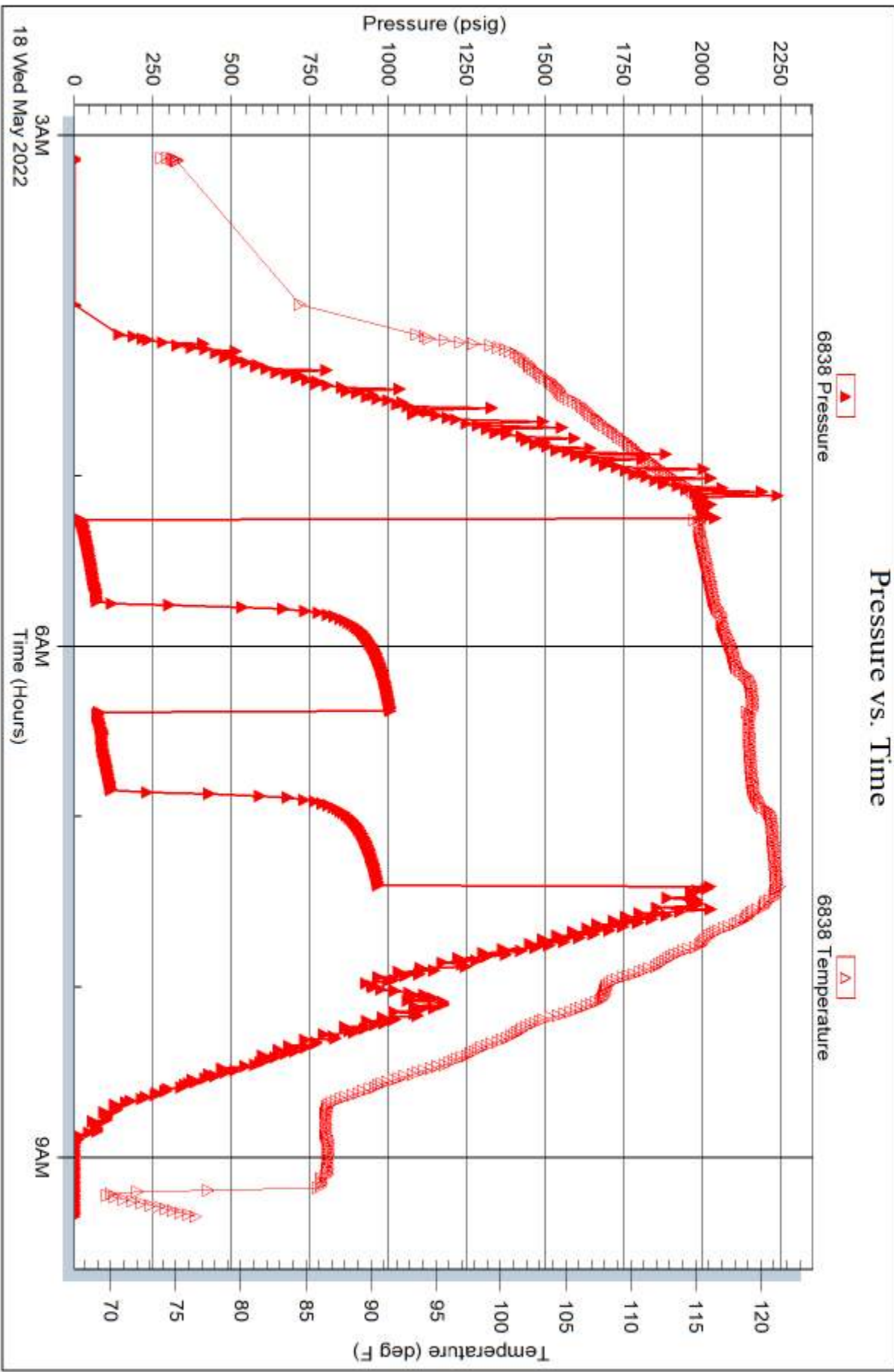
Serial #: 6838

Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 4

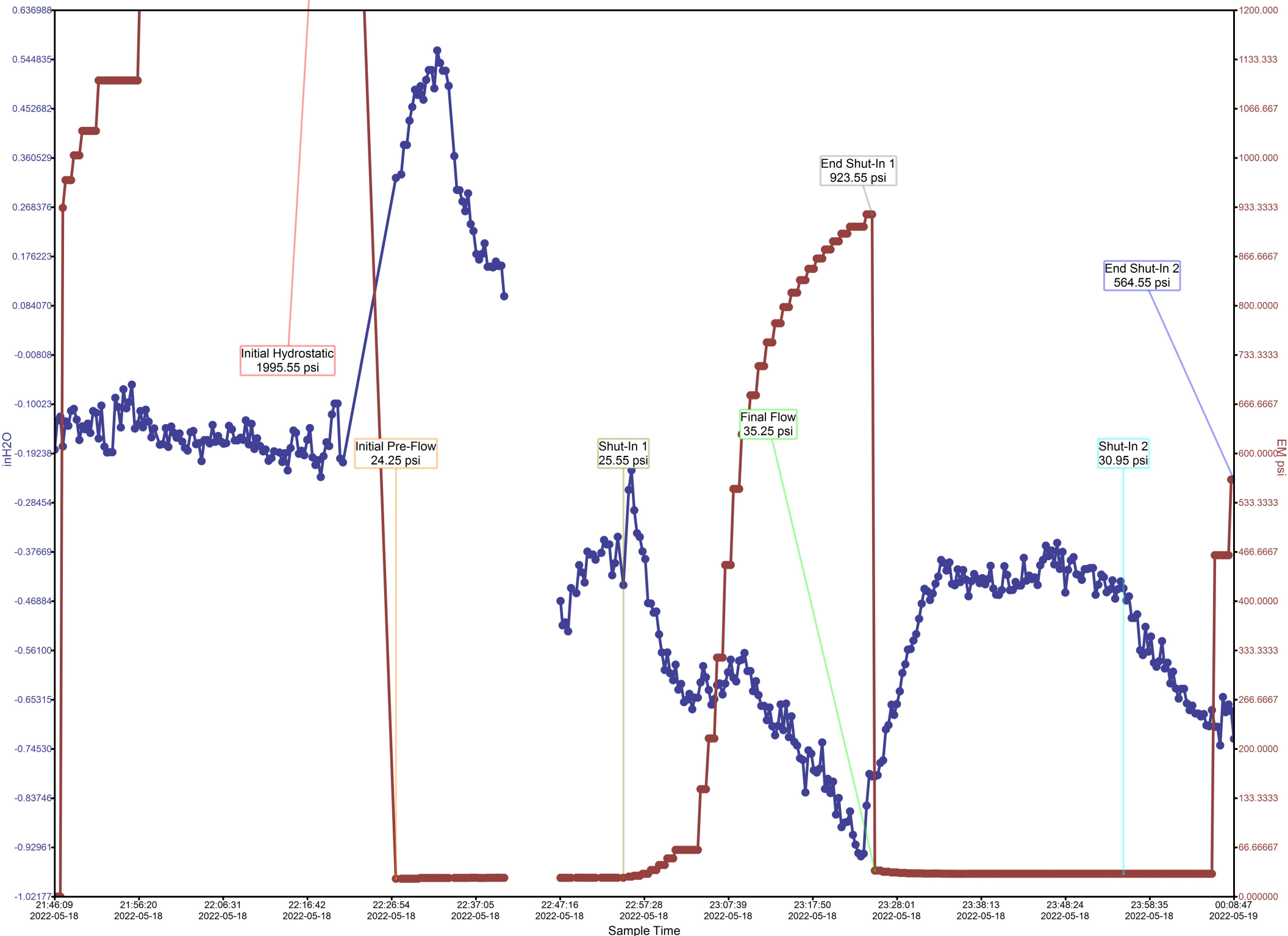


Trilobite Testing, Inc

Ref. No: 69038

Printed: 2022.05.18 @ 14:10:25

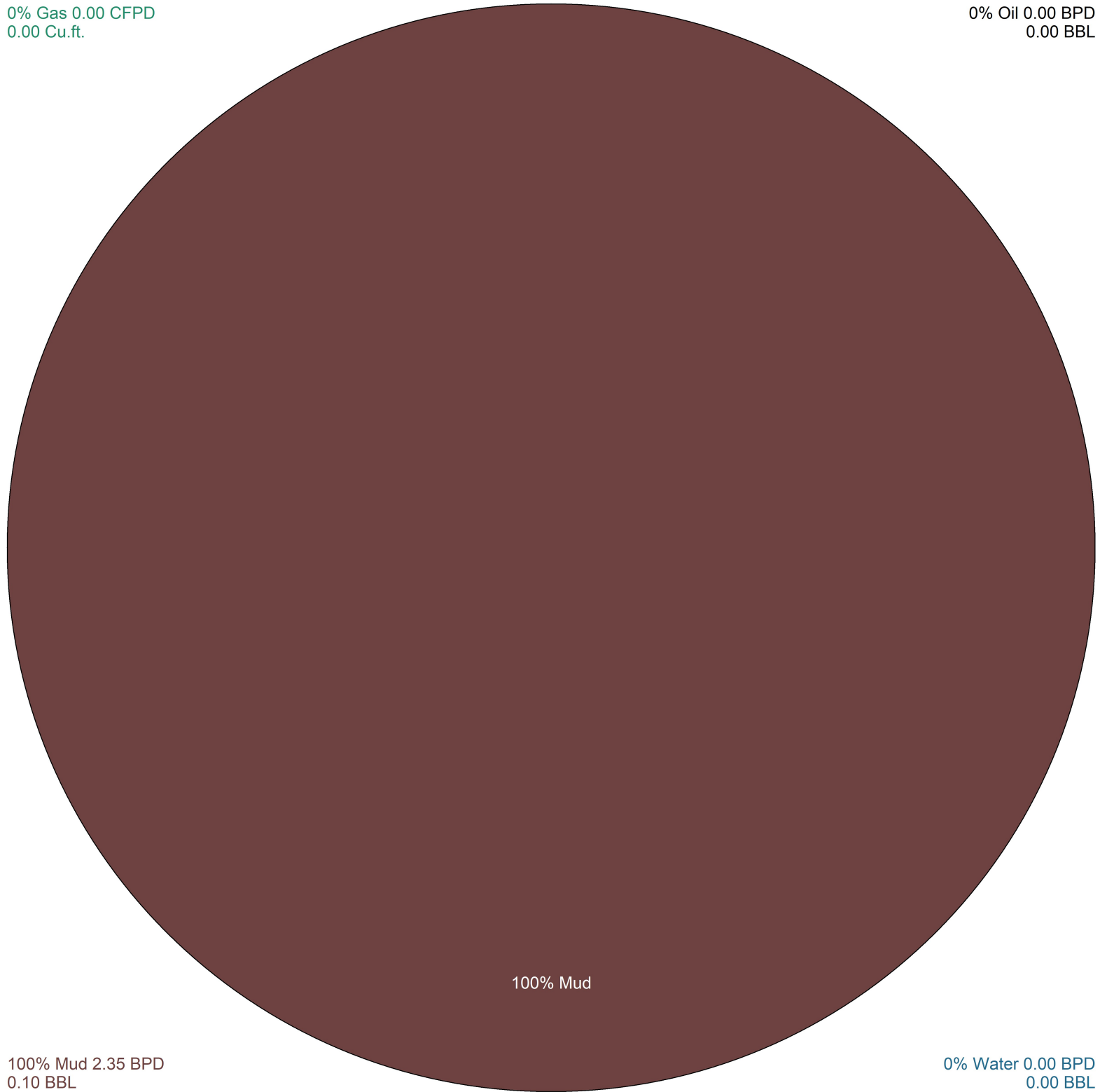
Palomino Petroleum - Tomahawk 1 - DST #5



Calculated Recovery Analysis - Palomino Petroleum - Tomahawk 1 - DST #5

0% Gas 0.00 CFPD
0.00 Cu.ft.

0% Oil 0.00 BPD
0.00 BBL



100% Mud

100% Mud 2.35 BPD
0.10 BBL

0% Water 0.00 BPD
0.00 BBL



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton KS 67114+8827
 ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
 Job Ticket: 69039 **DST#: 5**
 Test Start: 2022.05.18 @ 20:40:00

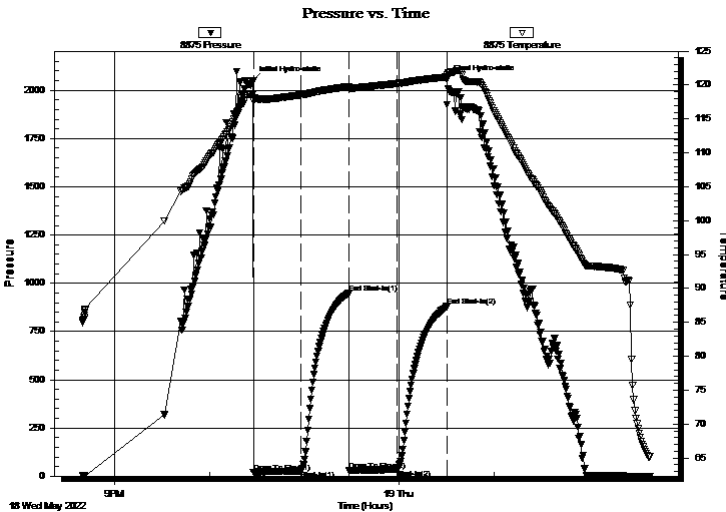
GENERAL INFORMATION:

Formation: **LKC K-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:27:47
 Time Test Ended: 02:38:32
 Interval: **4145.00 ft (KB) To 4230.00 ft (KB) (TVD)**
 Total Depth: 4230.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2811.00 ft (KB)
 2800.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8875 Inside
 Press@RunDepth: 34.70 psig @ 4148.00 ft (KB) Capacity: psig
 Start Date: 2022.05.18 End Date: 2022.05.19 Last Calib.: 2022.05.19
 Start Time: 20:40:01 End Time: 02:38:32 Time On Btm: 2022.05.18 @ 22:27:42
 Time Off Btm: 2022.05.19 @ 00:30:17

TEST COMMENT: 30-IF-Weak Surface
 30-ISI-No Return
 30-FF-No Blow
 30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2047.96	118.61	Initial Hydro-static
1	20.44	117.65	Open To Flow (1)
31	27.94	118.54	Shut-In(1)
61	949.11	119.73	End Shut-In(1)
61	29.10	119.50	Open To Flow (2)
91	34.70	120.23	Shut-In(2)
123	879.84	121.19	End Shut-In(2)
123	2055.65	121.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%M	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
Job Ticket: 69039 **DST#: 5**
Test Start: 2022.05.18 @ 20:40:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100%M	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: 2#LCM

Serial #: 8875

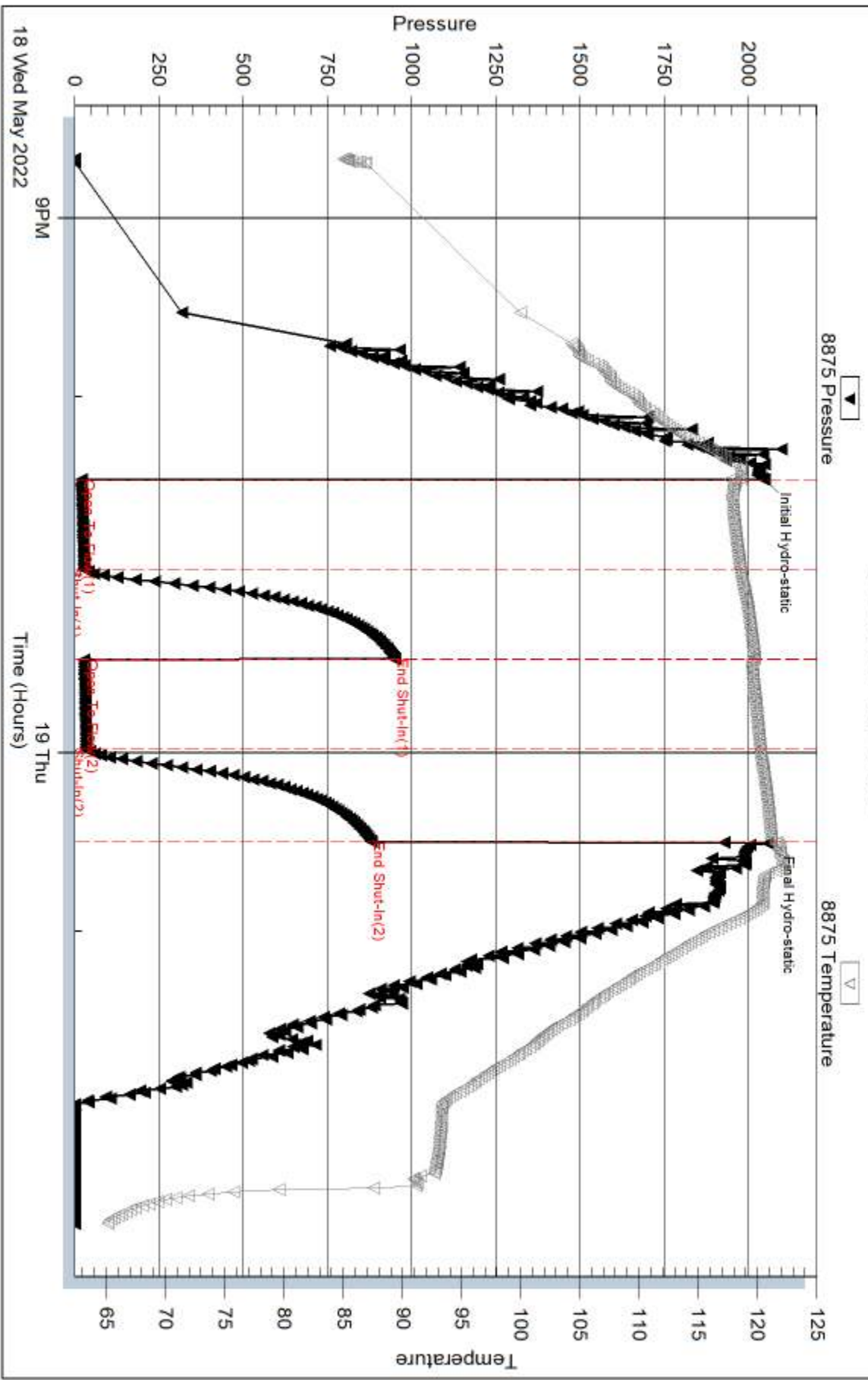
Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 5

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 69039

Printed: 2022.05.19 @ 06:38:04

Serial #: 6838

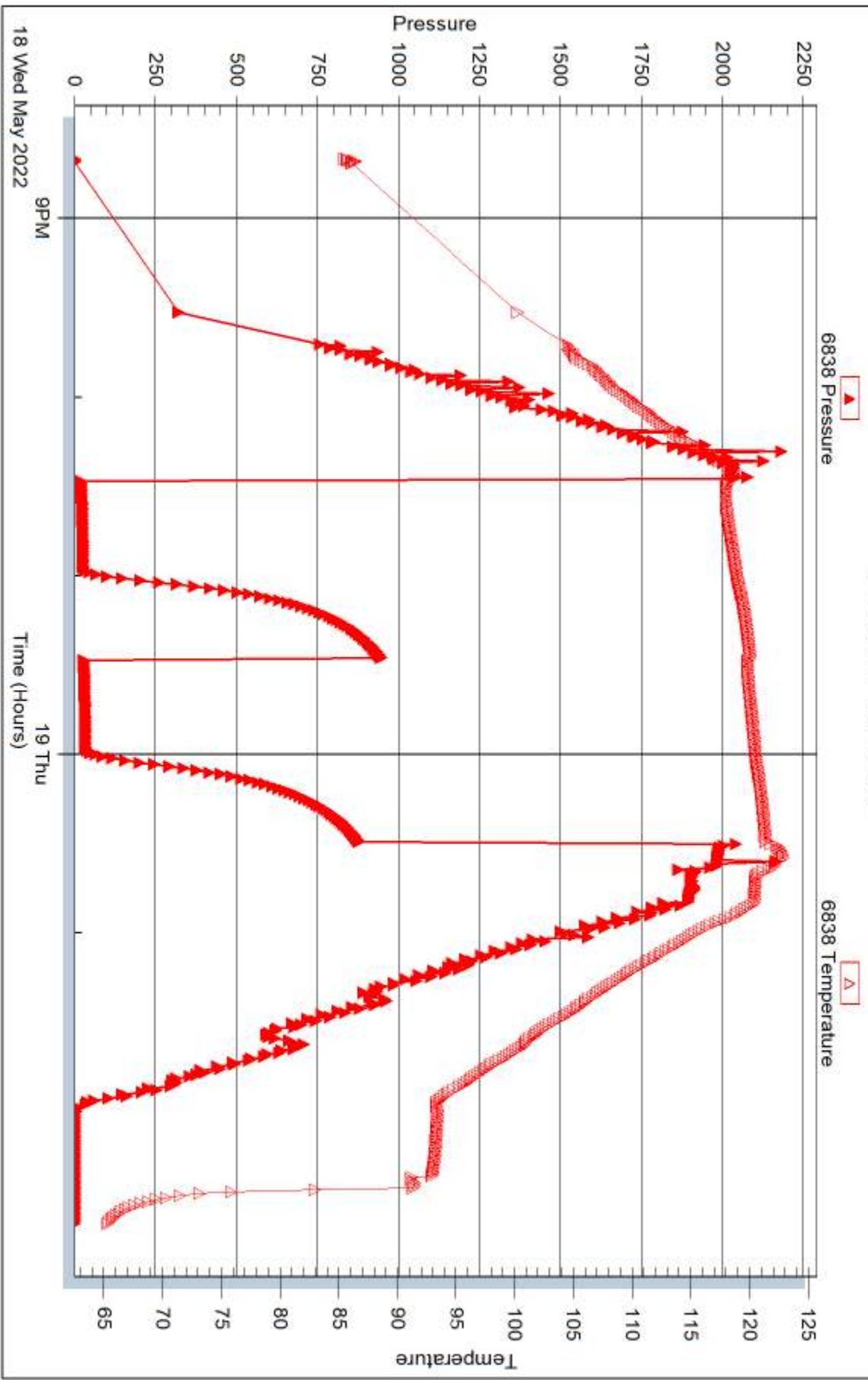
Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 5

Pressure vs. Time

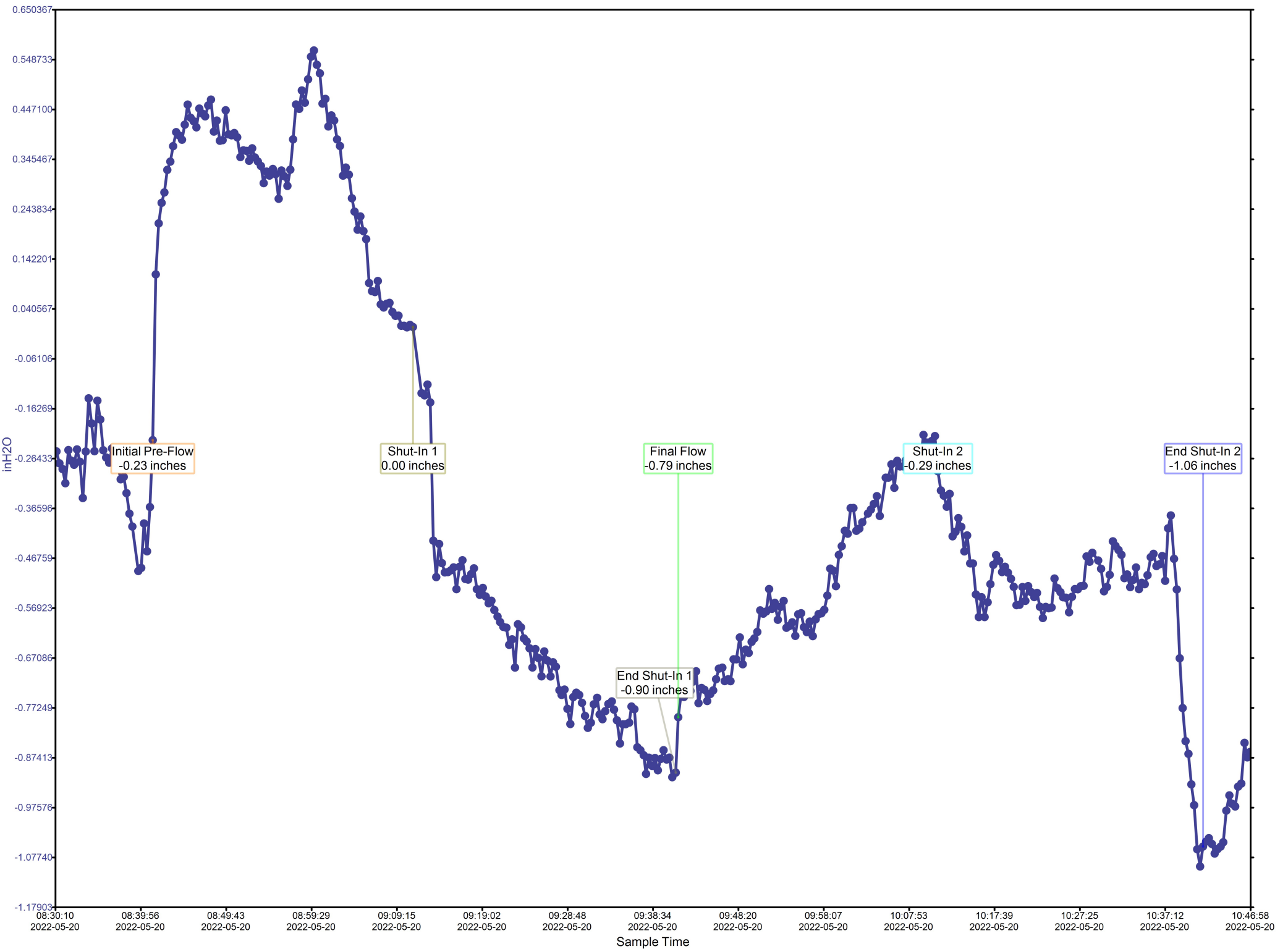


Trilobite Testing, Inc

Ref. No: 69039

Printed: 2022.05.19 @ 06:38:04

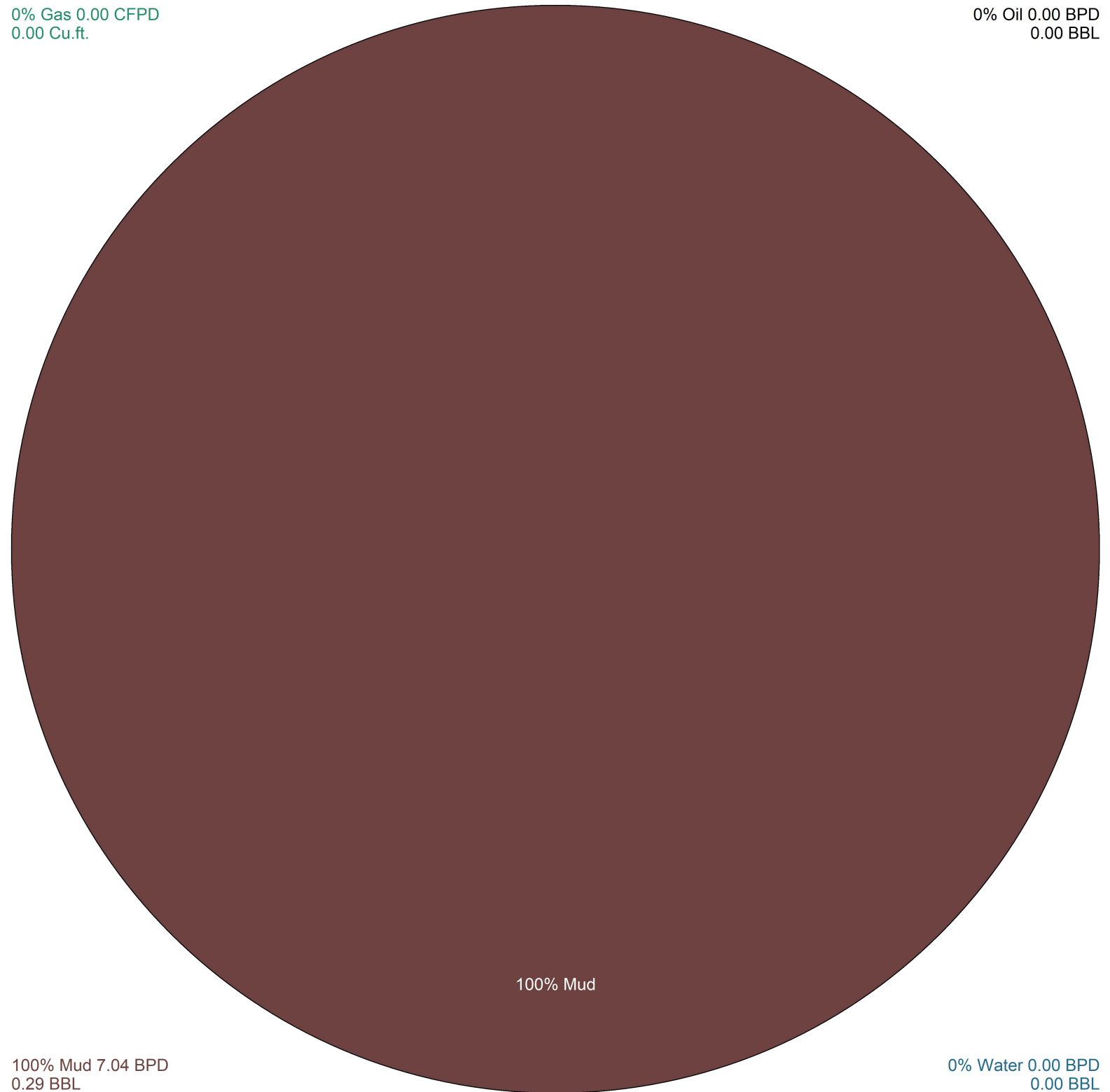
Palomino Petroleum - Tomahawk 1 - DST #6



Calculated Recovery Analysis - Palomino Petroleum - Tomahawk 1 - DST #6

0% Gas 0.00 CFPD
0.00 Cu.ft.

0% Oil 0.00 BPD
0.00 BBL



100% Mud

100% Mud 7.04 BPD
0.29 BBL

0% Water 0.00 BPD
0.00 BBL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

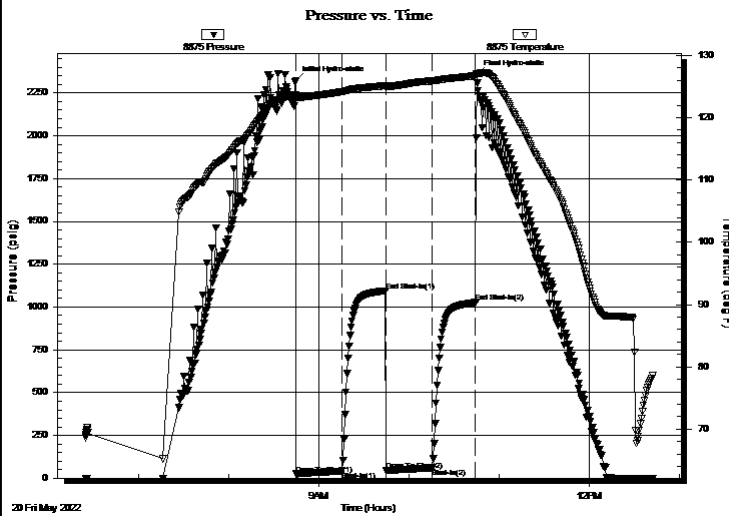
20-14s-30w Gove KS
Tomahawk #1
Job Ticket: 69040 **DST#: 6**
Test Start: 2022.05.20 @ 06:25:00

GENERAL INFORMATION:

Formation: **Ft Scott- Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:44:52
Time Test Ended: 12:42:52
Interval: **4392.00 ft (KB) To 4500.00 ft (KB) (TVD)**
Total Depth: 4500.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Reference Elevations: 2811.00 ft (KB)
2800.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8875 **Inside**
Press@RunDepth: 57.76 psig @ 4395.00 ft (KB) Capacity: psig
Start Date: 2022.05.20 End Date: 2022.05.20 Last Calib.: 2022.05.20
Start Time: 06:25:01 End Time: 12:42:52 Time On Btm: 2022.05.20 @ 08:44:42
Time Off Btm: 2022.05.20 @ 10:45:22

TEST COMMENT: 30-IF-Surface to 1/2"
30-ISI-No Return
30-FF-No Blow
30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.14	123.65	Initial Hydro-static
1	24.20	123.03	Open To Flow (1)
31	41.87	124.17	Shut-In(1)
61	1094.29	125.12	End Shut-In(1)
61	44.71	124.85	Open To Flow (2)
91	57.76	125.89	Shut-In(2)
120	1026.42	126.73	End Shut-In(2)
121	2359.88	126.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil Spotted Mud 100%M	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
Job Ticket: 69040 **DST#: 6**
Test Start: 2022.05.20 @ 06:25:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Oil Spotted Mud 100%M	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 3#LCM

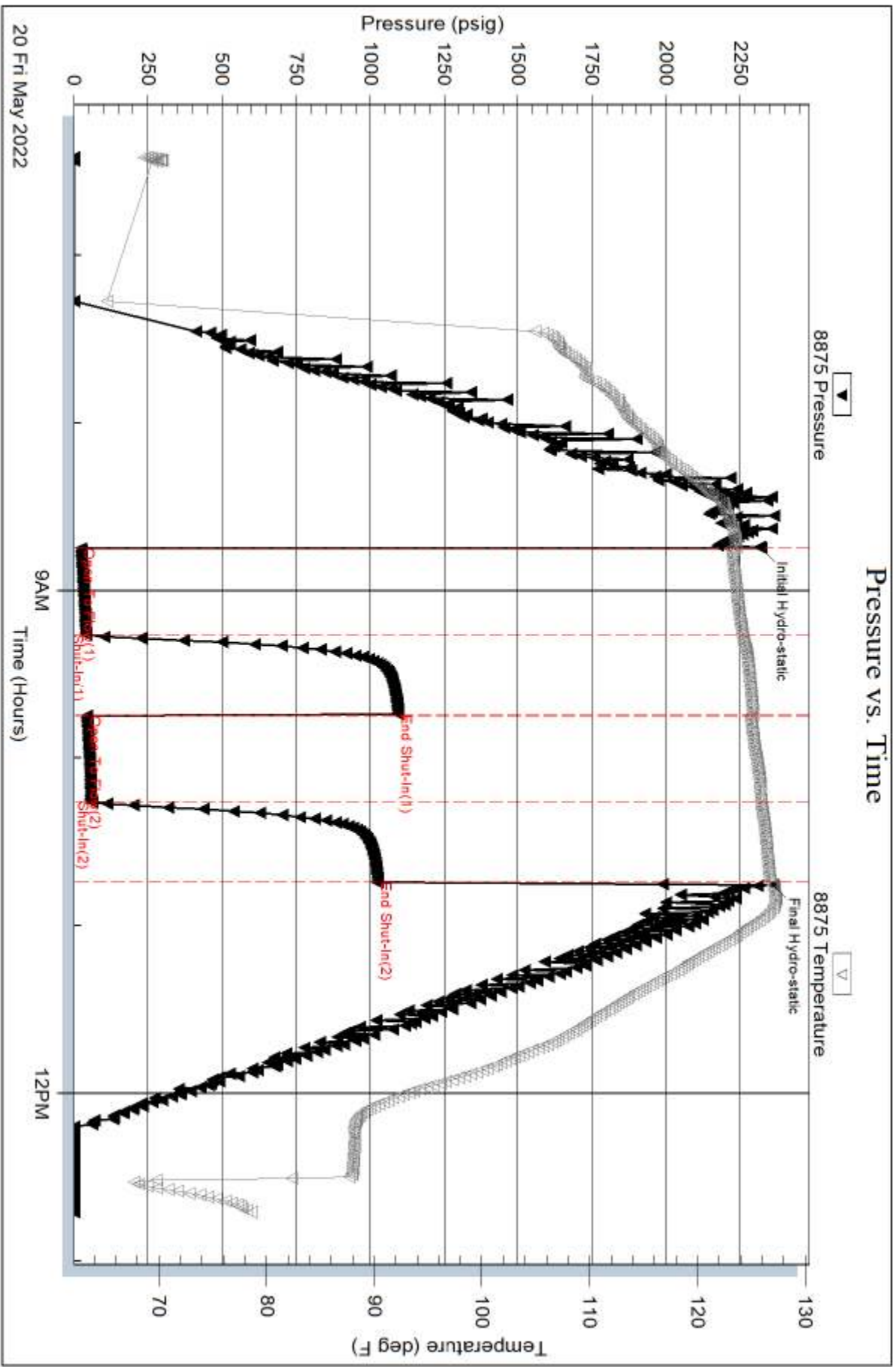
Serial #: 8875

Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 69040

Printed: 2022.05.20 @ 14:45:02

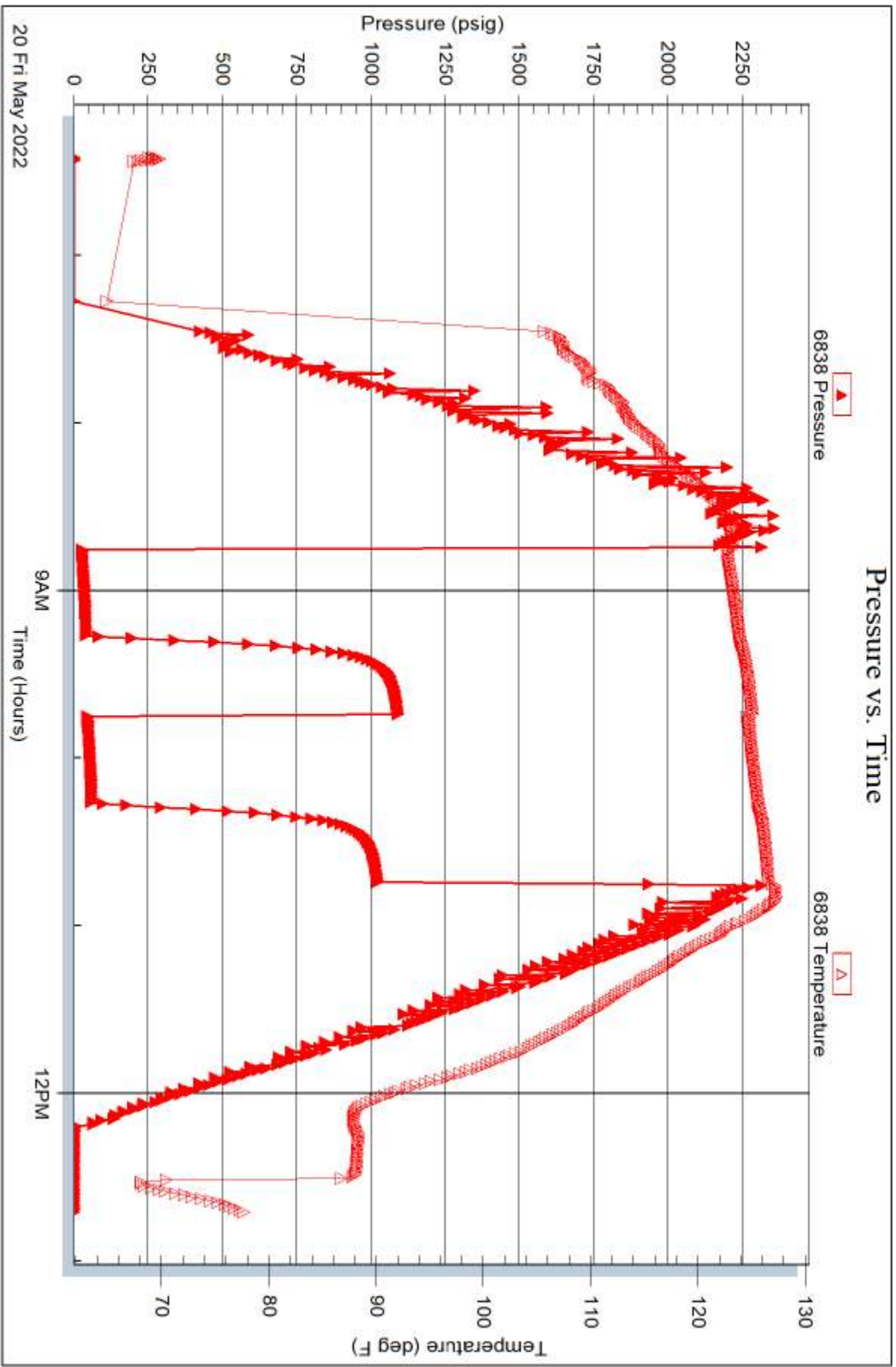
Serial #: 6838

Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 6

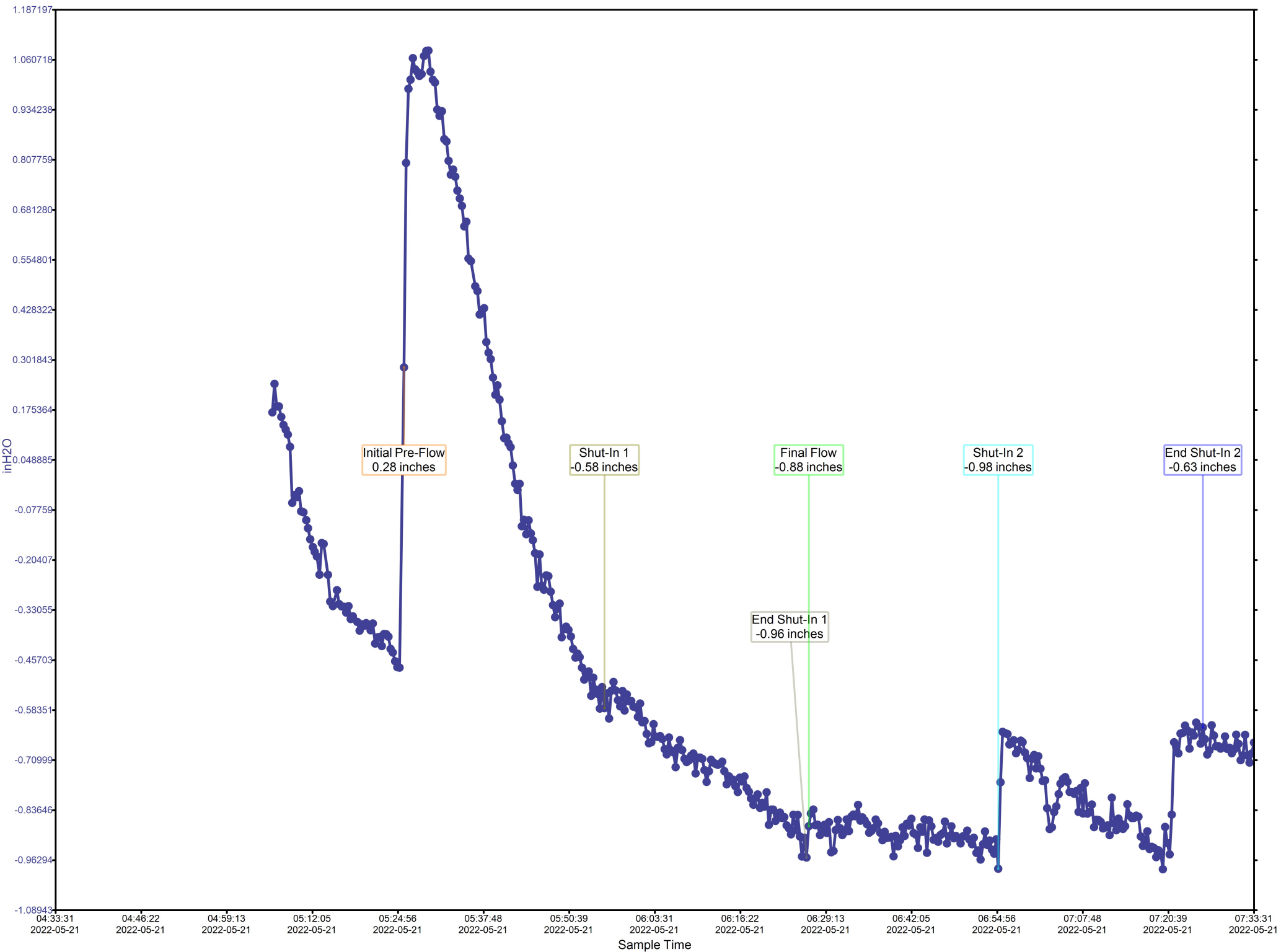


Trilobite Testing, Inc

Ref. No: 69040

Printed: 2022.05.20 @ 14:45:02

Palomino Petroleum - Tomahawk 1 - DST #7





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 New ton KS 67114+8827
 ATTN: Ryan Seib

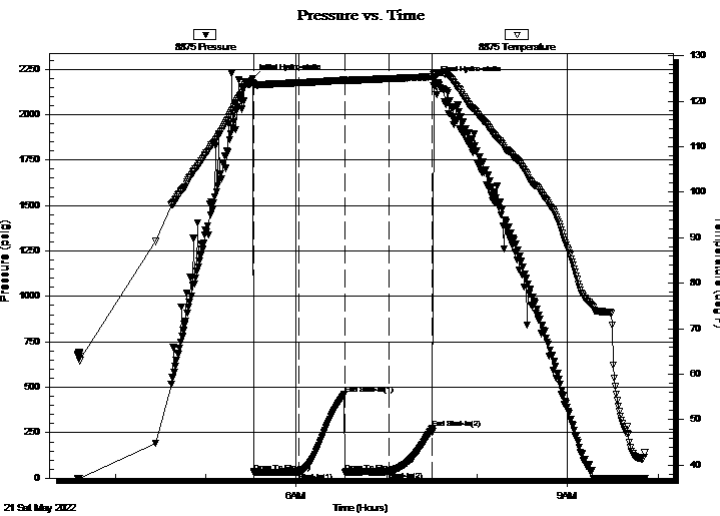
20-14s-30w Gove KS
Tomahawk #1
 Job Ticket: 69041 **DST#: 7**
 Test Start: 2022.05.21 @ 03:35:00

GENERAL INFORMATION:

Formation: **Myrick Station**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:31:57
 Time Test Ended: 09:51:32
 Interval: **4351.00 ft (KB) To 4410.00 ft (KB) (TVD)**
 Total Depth: 4621.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2811.00 ft (KB)
 2800.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8875 **Inside**
 Press@RunDepth: 37.08 psig @ 4357.00 ft (KB) Capacity: psig
 Start Date: 2022.05.21 End Date: 2022.05.21 Last Calib.: 2022.05.21
 Start Time: 03:35:01 End Time: 09:51:32 Time On Btm: 2022.05.21 @ 05:31:27
 Time Off Btm: 2022.05.21 @ 07:31:17

TEST COMMENT: 30-IF-Surface to 1" Died
 30-ISI-No Return
 30-FF-No Blow
 30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.58	124.16	Initial Hydro-static
1	30.64	123.71	Open To Flow (1)
31	34.29	124.05	Shut-In(1)
61	461.44	124.60	End Shut-In(1)
61	33.67	124.57	Open To Flow (2)
91	37.08	124.95	Shut-In(2)
119	273.86	125.41	End Shut-In(2)
120	2187.07	125.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OSM 100%M	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

20-14s-30w Gove KS
Tomahawk #1
Job Ticket: 69041 **DST#: 7**
Test Start: 2022.05.21 @ 03:35:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OSM 100%M	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: 3#LCM

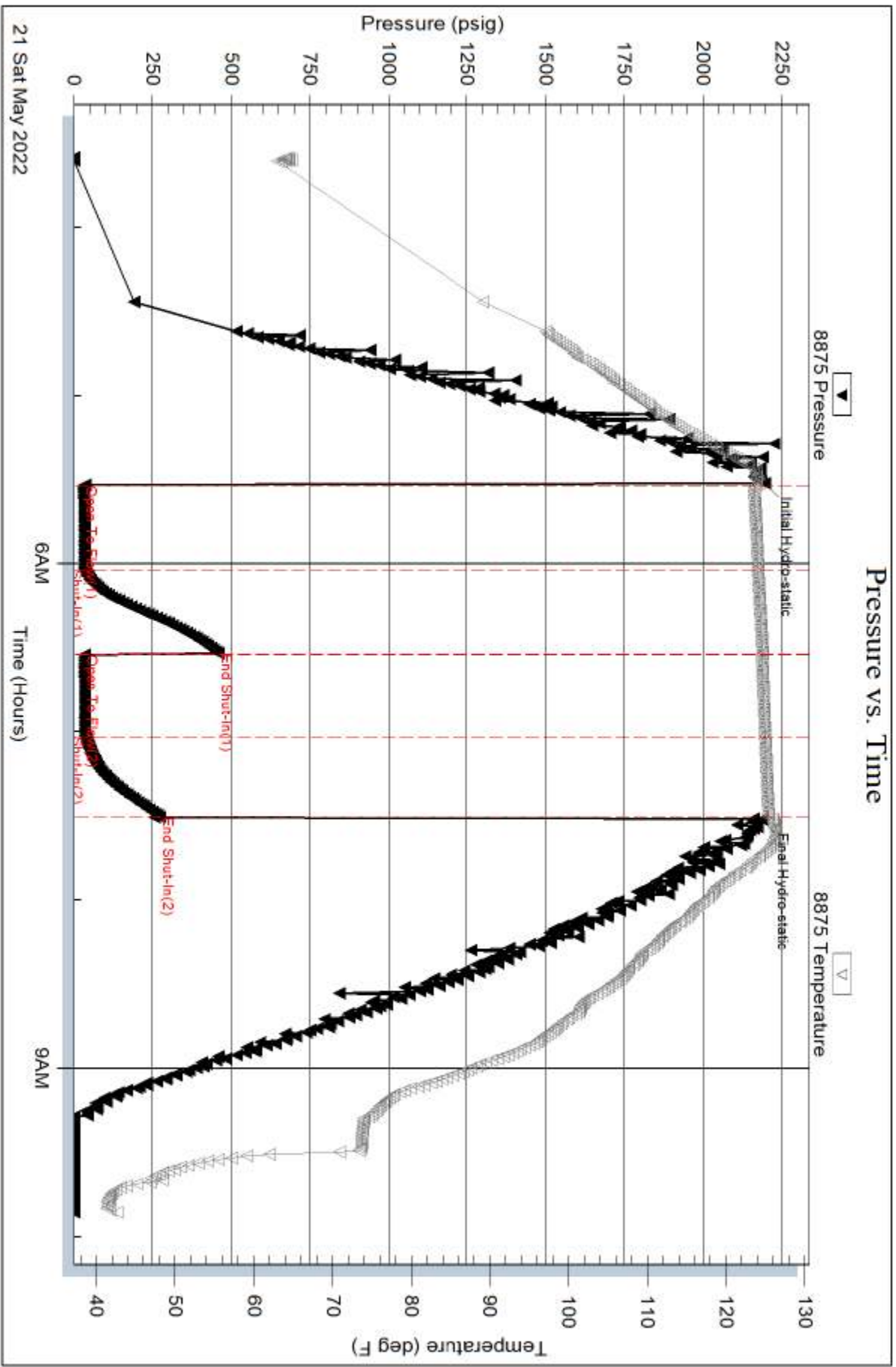
Serial #: 8875

Inside

Palomino Petroleum Inc

Tomahawk #1

DST Test Number: 7



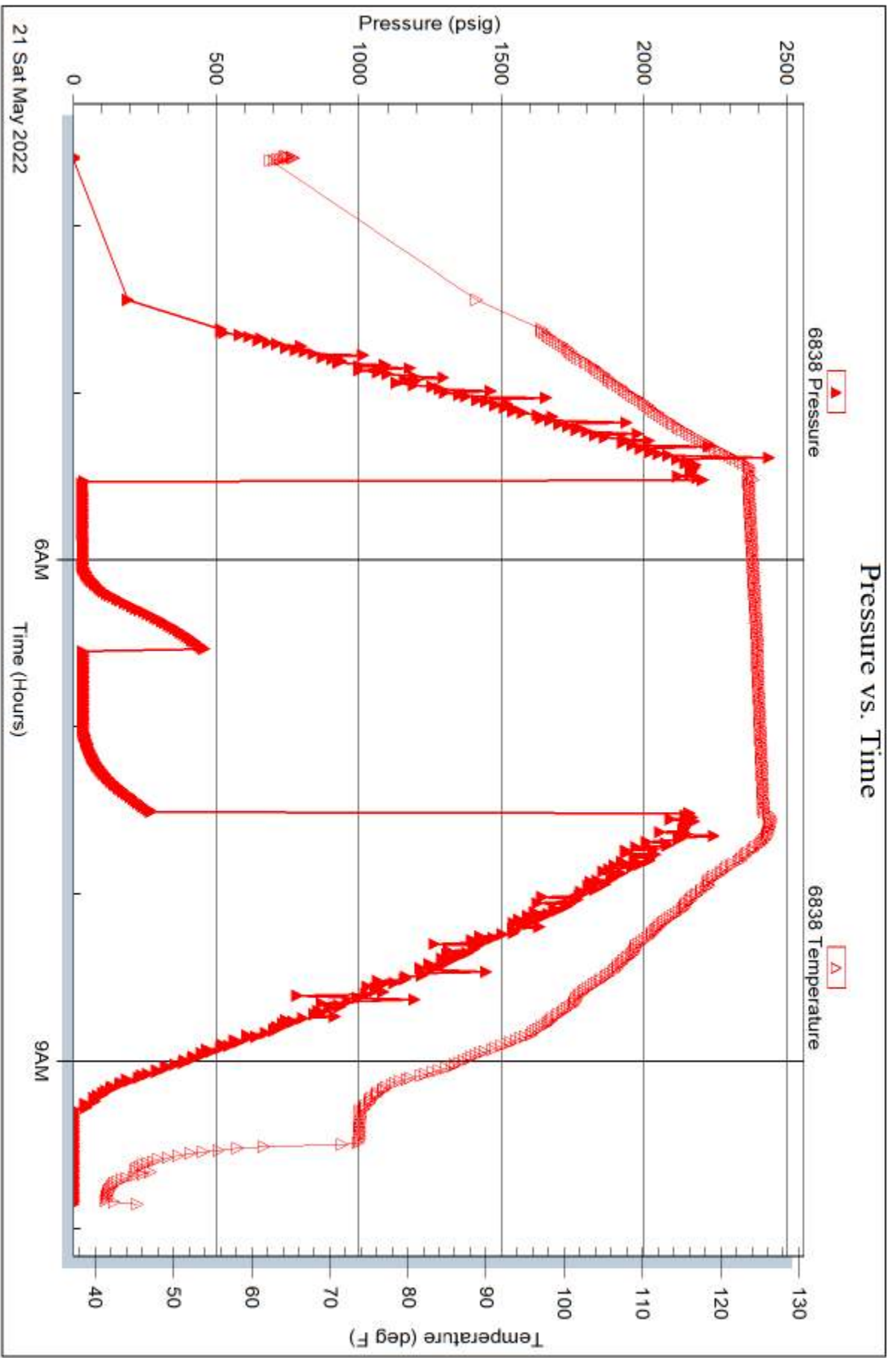
Serial #: 6838

Inside

Palomino Petroleum Inc

Tomahawk #1

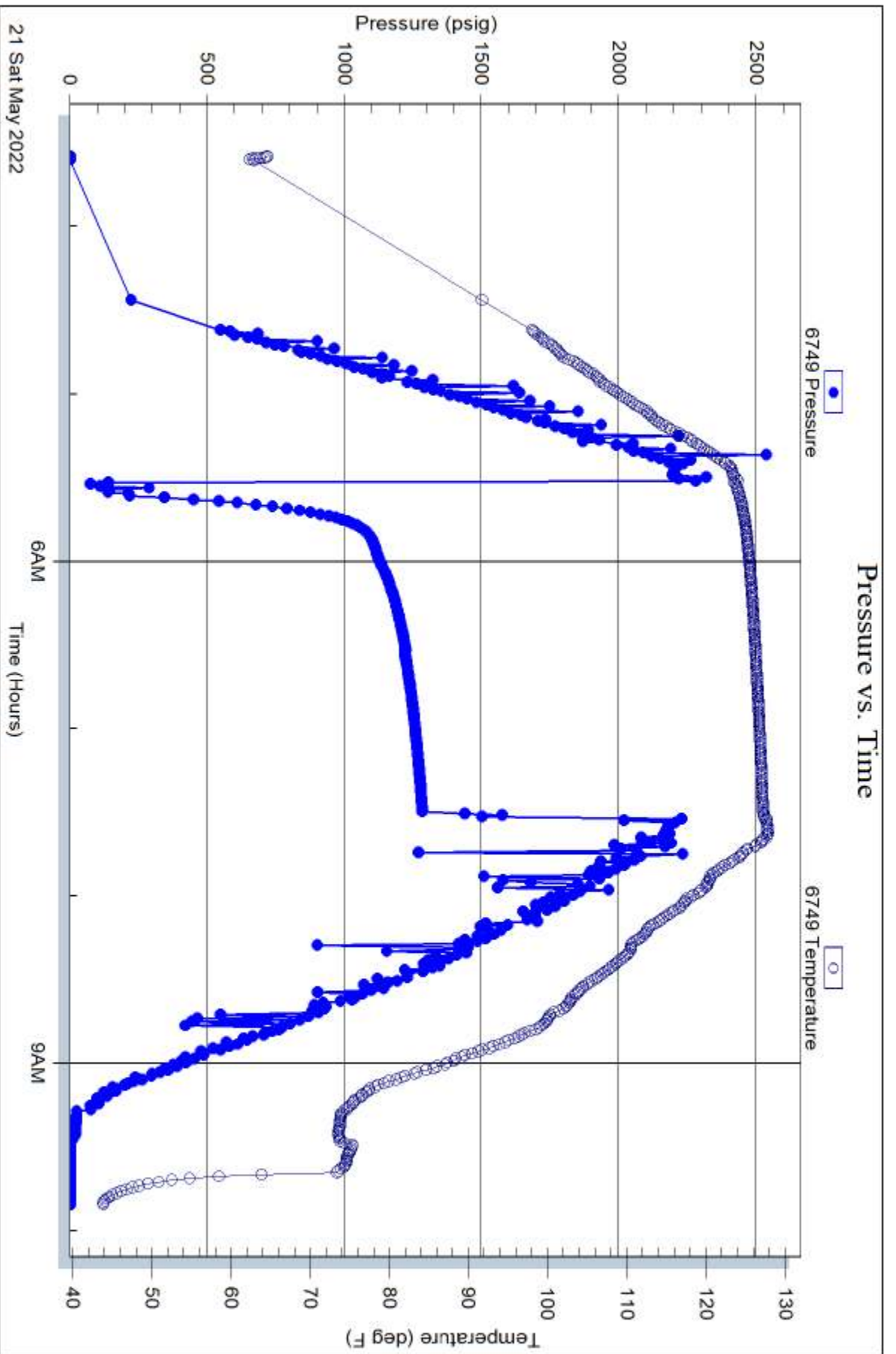
DST Test Number: 7



Tribble Testing, Inc

Ref. No: 69041

Printed: 2022.05.21 @ 17:10:26





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: 5/21/2022
 Invoice #: 0360856
 Lease Name: Tomahawk
 Well #: 1
 County: Gove, Ks
 Job Number: WP2851
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
PTA	0.000	0.000	0.00
H-Plug	255.000	13.160	3,355.80
Wooden plug 8 5/8"	1.000	164.500	164.50
Light Eq Mileage	35.000	2.000	70.00
Heavy Eq Mileage	35.000	4.000	140.00
Ton Mileage	398.000	1.500	597.00
Depth Charge 2001'-3000'	1.000	1,880.000	1,880.00
Cement Blending & Mixing	255.000	1.316	335.58
Service Supervisor	1.000	258.500	258.50

Net Invoice 6,801.38
 Sales Tax: 440.47
Total 7,241.85

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!



CEMENT TREATMENT REPORT

Customer:	Palomino Petroleum Inc.	Well:	Tomahawk #1	Ticket:	WP 2851
City, State:	Oakley KS	County:	Gove KS	Date:	5/21/2022
Field Rep:	Juan	S-T-R:	20-14S-30W	Service:	PTA

Downhole Information	
Hole Size:	7.875 in
Hole Depth:	4620 ft
Casing Size:	8 5/8 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-Plug
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft ³ / sx
Annular Bbls / Ft.:	0.0406 bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	64.4 bbls
Total Sacks:	255 sx

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

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
11:41 AM			-	-	Arrived on location
11:51 AM				-	Safety meetin
12:01 PM				-	Rigged up
3:02 PM	3.8	250.0	5.0	5.0	Water ahead
3:04 PM	3.5	250.0	12.6	17.6	Mixed 50 sacks cement 13.8 ppg @ 2270'
3:08 PM	3.1	100.0	5.0	22.6	Begin displacement
3:14 PM				22.6	Pumped mud using rig mud pump for 1:45 minutes
				22.6	
4:07 PM	3.8	200.0	5.0	27.6	Water ahead
4:09 PM	4.7	250.0	25.2	52.8	Mixed 100 sacks cement 13.8 ppg @ 1330'
4:15 PM	3.8	100.0	9.0	61.8	Begin displacement
4:55 PM	3.8	150.0	5.0		Water ahead
4:57 PM	3.7	200.0	12.6		Mixed 50 sacks cement 13.8 ppg @ 280'
5:03 PM	2.0	100.0	0.5		Begin displacement
5:22 PM	2.0	100.0	2.5		Mixed 10 sacks cement 13.8 ppg for top 40' with wood plug
5:26 PM	2.0	100.0	3.7		Mixed 15 sacks cement 13.8 ppg for mouse hole plug
5:30 PM	2.0	100.0	7.5		Mixed 30 sacks cement 13.8 ppg for rat hole plug
5:33 PM					Plug down
5:35 PM					Wash up and rigged down
5:51 PM					Left location

CREW		UNIT	SUMMARY		
Cementer:	John	64	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	208	3.2 bpm	158 psi	94 bbls
Bulk #1:	Charlie	194-250			
Bulk #2:					