

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 Recompletion Date _____ 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
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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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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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:	
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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: 5/26/2022
 Invoice #: 0360905
 Lease Name: Sharp Dressed Man
 Well #: 1 (New)
 County: Gove, Ks
 Job Number: WP2865
 District: Oakley

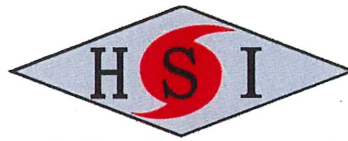
Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	21.150	4,230.00
Light Eq Mileage	35.000	2.000	70.00
Heavy Eq Mileage	70.000	4.000	280.00
Ton Mileage	329.000	1.500	493.50
Depth Charge 0'-500'	1.000	940.000	940.00
Cement Blending & Mixing	200.000	1.316	263.20
Service Supervisor	1.000	258.500	258.50

Total 6,535.20

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!



Customer	Palomino Petroleum Inc		Lease & Well #	Sharp Dressed Man #1			Date	5/26/2022	
Service District	Oakley, KS		County & State	Gove, KS			Legals S/T/R	16-14S-30W	
Job Type	Surface	<input type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	Legals S/T/R	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No		Job #	
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures							
26	Spencer	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input checked="" type="checkbox"/> Warning Signs & Flagging				
528/520	Jimmie	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection				
205	Christan	<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 checked="" 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									

Product/ Service Code	Description	Unit of Measure	Quantity				Net Amount
CP015	H-325	sack	200.00				\$4,230.00
M015	Light Equipment Mileage	mi	35.00				\$70.00
M010	Heavy Equipment Mileage	mi	70.00				\$280.00
M020	Ton Mileage	tm	329.00				\$493.50
D010	Depth Charge: 0'-500'	job	1.00				\$940.00
C060	Cement Blending & Mixing Service	sack	200.00				\$263.20
R061	Service Supervisor	day	1.00				\$258.50

Customer Section: On the following scale how would you rate Hurricane Services Inc.?			Net:	\$6,535.20
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"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		Sale Tax: \$	-
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely			Total: \$	6,535.20
		HSI Representative: <i>Spencer Savage</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 ½% 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:	Palomino Petroleum Inc	Well:	Sharp Dressed Man #1	Ticket:	WP 2865
City, State:		County:	Gove,KS	Date:	5/26/2022
Field Rep:	Spencer Savage	S-T-R:	16-14S-30W	Service:	Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	228 ft
Casing Size:	8 5/8 in
Casing Depth:	226 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	13.1 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft ³ / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	226 ft
Annular Volume:	bbls
Excess:	
Total Slurry:	50.2 bbls
Total Sacks:	200 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	STAGE	TOTAL	REMARKS
			BBLs	BBLs	
115pm			-	-	Arrive on Location
130pm				-	Saftey Meeting 213' 8 5/8 23# casing + 13' landing joint
145pm				-	Spot trucks and rig up
336pm	2.3	40.0	5.0	5.0	start H2O ahead
339pm	5.9	70.0	1.0	6.0	Start Pumping Cement Slurry H-325 14.8ppg
345pm	5.8	100.0	50.2	56.2	
349pm	4.5	120.0	1.0	57.2	Switch to displacement
353pm	4.5	120.0	13.1	70.3	Shut Down
356pm				70.3	Wash Up
400pm				70.3	Rig Down
410pm				70.3	Leave Location
					Circulate 5 bbls cement to surface

Cementer:	CREW	UNIT	SUMMARY		
	Average Rate		Average Pressure	Total Fluid	
Spencer	26		4.6 bpm	90 psi	70 bbls
Pump Operator:	Jimmie	528/520			
Bulk #1:	Christan	205			
Bulk #2:					



HP Oilfield Services, LLC
 383 Inverness Parkway, Suite 330
 Englewood, CO 80112

RECEIVED
 JUN 07 2022
 BY: _____

Invoice

Date	Invoice #
6/5/2022	26046

Bill To
Palomino Petroleum 4924 SE 84th Street Newton, KS 67114

Lease
Sharp Dressed Man #1

cement service - for #1
9/31

Order by / P.O. No.	Terms
	Net 30

Description	Unit	Hrs / Qty	U/M	Rate	Amount
Cement Service for Sharp Dressed Man #1					
Field Ticket #: 2504 K-C					
Description: Please see Attached Field Ticket					
Pump Charge for Cement	CMT-103	1	ea	2,800.00	2,800.00
Pumptruck Mileage	CMT-103	35	ea	7.15	250.25
Mileage Delivery of Bulk Material - Min Charge	CMT-103	1	ea	660.00	660.00
HP - Oil Well Cement	CMT	100	SKS	26.00	2,600.00T
Liteweight Blend V	CMT	125	SKS	16.00	2,000.00T
Wedril Kol-Seal	CMT	500	lb	0.50	250.00T
Mud Flush	CMT	500	gal	0.65	325.00T
KCL	CMT	2	bbls	27.00	54.00T
AFU Float Shoe - 5 1/2"	CMT	1	ea	585.00	585.00T
Latch Down Plug and Baffle - 5 1/2"	CMT	1	ea	400.00	400.00T
Turbolizer - 5 1/2" x 7 7/8"	CMT	14	ea	110.00	1,540.00T

Thank you for your business.	Total
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HP Oilfield Services, LLC
 383 Inverness Parkway, Suite 330
 Englewood, CO 80112

Invoice

Date	Invoice #
6/5/2022	26046

Bill To
Palomino Petroleum 4924 SE 84th Street Newton, KS 67114

Lease
Sharp Dressed Man #1

Order by / P.O. No.	Terms
	Net 30

Description	Unit	Hrs / Qty	U/M	Rate	Amount
Cementing Basket - 5 1/2"	CMT	1	ea	385.00	385.00T
Port Collar - 5 1/2"	CMT	1	ea	2,850.00	2,850.00T
Discount - Non-Taxable Items	CMT	1	ea	-742.05	-742.05
Discount - Taxable Items	CMT	1	ea	-2,197.80	-2,197.80T
Subtotal prior to Sales Taxes					11,759.40
KS & Gove, Hugoton County Sales Tax				8.75%	769.23

Thank you for your business.	Total	\$12,528.63 ✓
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785-953-0222

TICKET NUMBER **2504 K-C**
 LOCATION Houston Tx
 FOREMAN Walt Dunkel

**FIELD TICKET & TREATMENT REPORT
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-5-22		Sharp Dresselman #1	16	145	30W	Bowie
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Palomino Petroleum			103	Cory D		
MAILING ADDRESS			800-850	Chris P		
CITY	STATE	ZIP CODE				

JOB TYPE Production HOLE SIZE 7 7/8 HOLE DEPTH 4398' CASING SIZE & WEIGHT 3 1/2" 14"
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.5-14# SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING Slur 42.14
 DISPLACEMENT 110.7 DISPLACEMENT, PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, Rig up on Mur Fin #21, Run Float Equipment White Running
Casings, Cmt. Casings on Bottom, Once 1 Hr, Put 30 sks in R.A, 20 sks in M.H
Pumped 20 BBL KCl (2%), Followed w/ 500gal Mud Flush
Mixed 75 sks Light 214, 2, Bul in w/ 100 sks HP-Our, 5# Kalsol,
Clear Pump + Lines, release Plug + Displace 112 BBL H₂O @ 850, handled
Plug @ 1500#, released Pressure, Float Hold

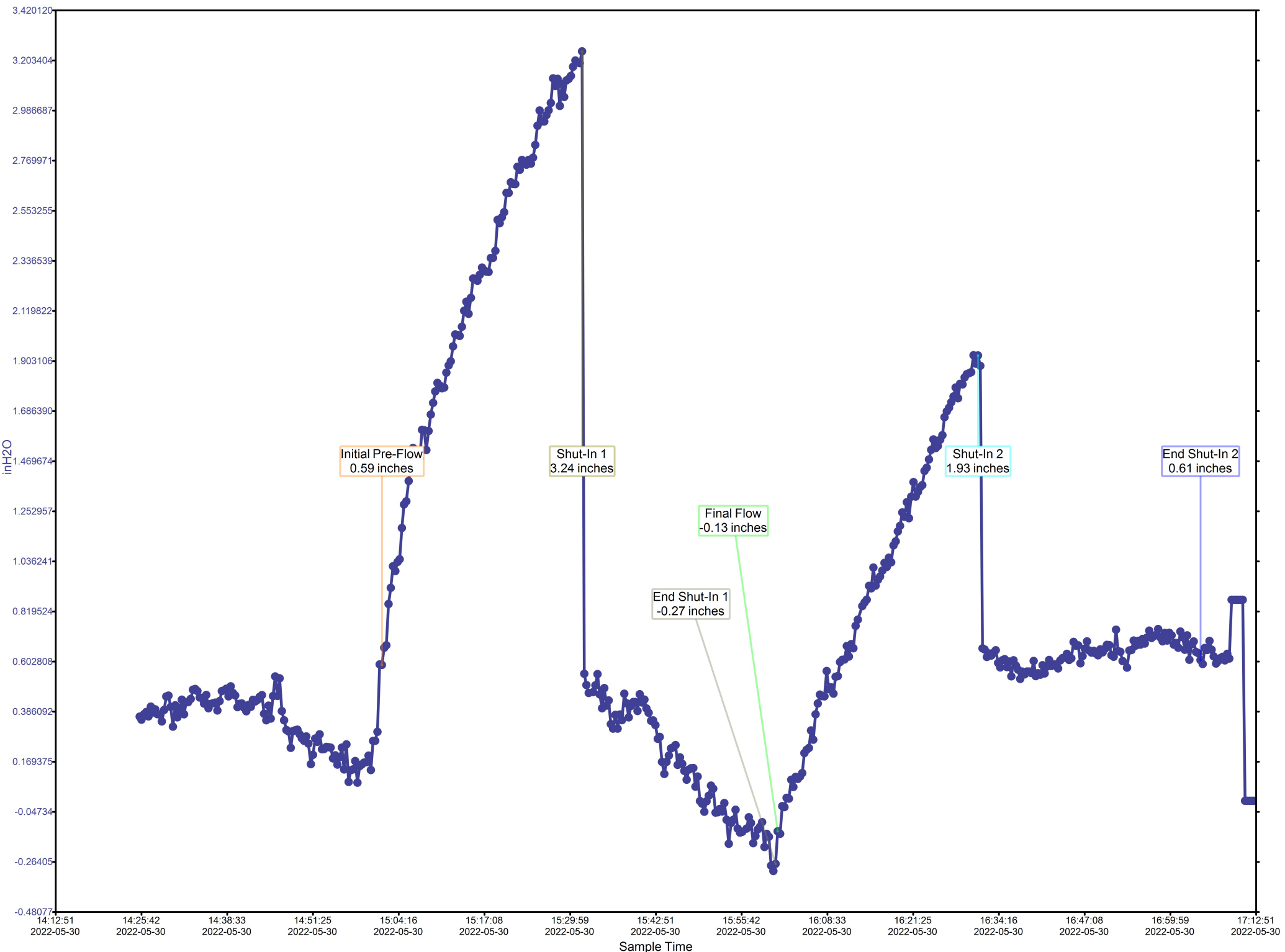
*Thank You
 Walt + crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	1	PUMP CHARGE	2,800.00	2,800.00
	35	MILEAGE	7.15	250.25
	1000	Ten mileago Delivery	1.75	660.00
	100 sks	HP-Our	26.00	2,600.00
	125 - sks	Light Weight Blend V	16.00	2,000.00
	500 #	Kalsol	1.50	2,500.00
	500 gal	Mud Flush	1.65	3,250.00
	2 gal	KCl	27.00	54.00
	1	5 1/2 APU Float Slur	585.00	585.00
	1	5 1/2 Latchdown Plugassy	400.00	400.00
	14	5 1/2 Turbocentrizers	110.00	1,540.00
	1	5 1/2 Basket	385.00	385.00
	1	5 1/2 Bit Collar	2,850.00	2,850.00
				14,699.25
		Less 20% Disc		-2,939.85
				11,759.40
		SALES TAX		
		ESTIMATED TOTAL		

AUTHORIZATION Ruby Lipp TITLE _____ DATE _____

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

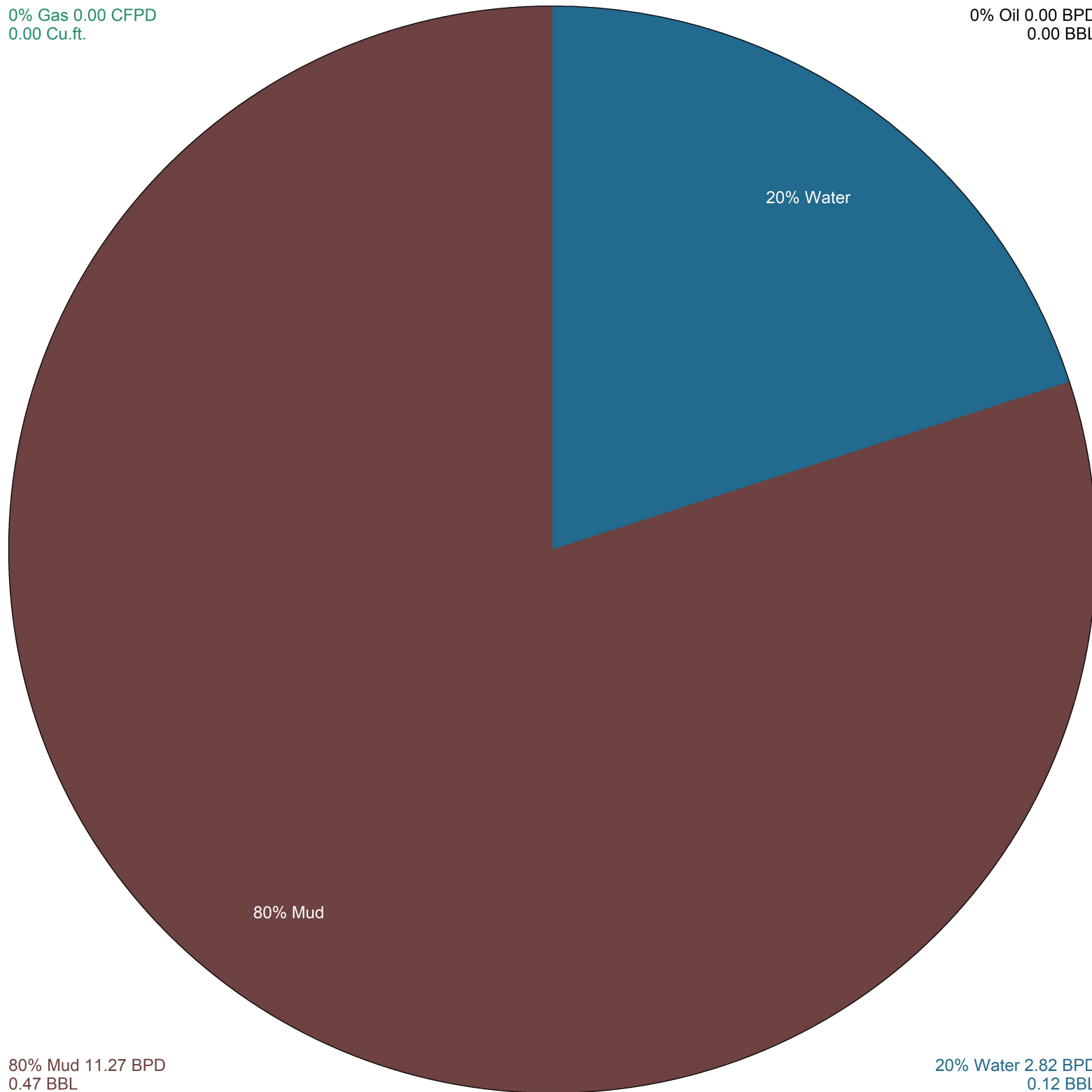
Palomino Petroleum - Sharp Dressed Man 1 - DST #1



Calculated Recovery Analysis - Palomino Petroleum - Sharp Dressed Man 1 - DST #1

0% Gas 0.00 CFPD
0.00 Cu.ft.

0% Oil 0.00 BPD
0.00 BBL



20% Water

80% Mud

80% Mud 11.27 BPD
0.47 BBL

20% Water 2.82 BPD
0.12 BBL



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino

16-14-30 Gove Ks

Sharp Dressed Man #1

Job Ticket: 68794

DST#: 1

ATTN: Ryan Seib

Test Start: 2022.05.30 @ 12:58:02

GENERAL INFORMATION:

Formation: **Lansing A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:02:32

Time Test Ended: 19:00:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 3836.00 ft (KB) To 3920.00 ft (KB) (TVD)

Reference Elevations: 2753.00 ft (KB)

Total Depth: 3920.00 ft (KB) (TVD)

2743.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Outside

Press@RunDepth: 71.19 psig @ 3837.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.30

End Date: 2022.05.30

Last Calib.: 2022.05.30

Start Time: 12:58:07

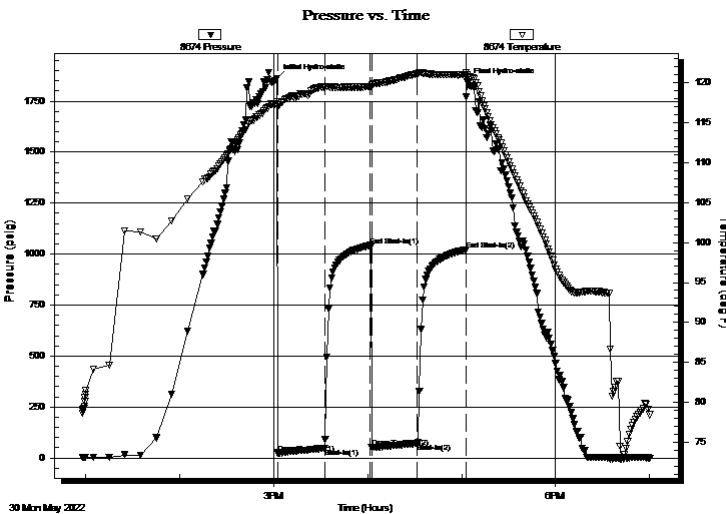
End Time: 19:00:31

Time On Btm: 2022.05.30 @ 15:02:02

Time Off Btm: 2022.05.30 @ 17:03:32

TEST COMMENT: IF: 1/4 blow built to 3.
IS: No return.
FF: Surface blow built to 2.
FS: No return. 30s

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.56	117.70	Initial Hydro-static
1	23.22	116.99	Open To Flow (1)
31	46.75	119.46	Shut-In(1)
60	1042.43	119.52	End Shut-In(1)
61	51.00	119.55	Open To Flow (2)
90	71.19	121.16	Shut-In(2)
121	1021.62	121.01	End Shut-In(2)
122	1843.08	121.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 40%w 60%m	0.30
60.00	mud 100%m	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino

16-14-30 Gove Ks

Sharp Dressed Man #1

Job Ticket: 68794

DST#: 1

ATTN: Ryan Seib

Test Start: 2022.05.30 @ 12:58:02

GENERAL INFORMATION:

Formation: **Lansing A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:02:32

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Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 3836.00 ft (KB) To 3920.00 ft (KB) (TVD)

Reference Elevations: 2753.00 ft (KB)

Total Depth: 3920.00 ft (KB) (TVD)

2743.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8790 Inside

Press@RunDepth: psig @ 3837.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.30

End Date: 2022.05.30

Last Calib.: 2022.05.30

Start Time: 12:58:52

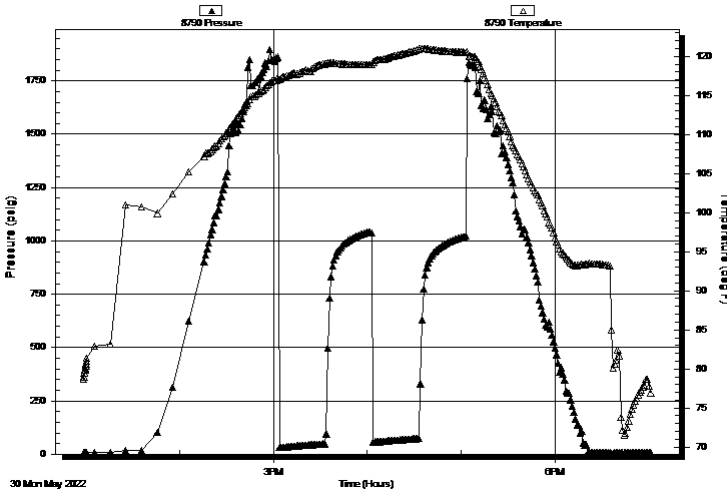
End Time: 19:01:16

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4 blow built to 3.
IS: No return.
FF: Surface blow built to 2.
FS: No return. 30s

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 40%w 60%m	0.30
60.00	mud 100%m	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino

16-14-30 Gove Ks

Sharp Dressed Man #1

Job Ticket: 68794

DST#: 1

ATTN: Ryan Seib

Test Start: 2022.05.30 @ 12:58:02

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:

22000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	w cm 40%w 60%m	0.295
60.00	mud 100%m	0.295

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

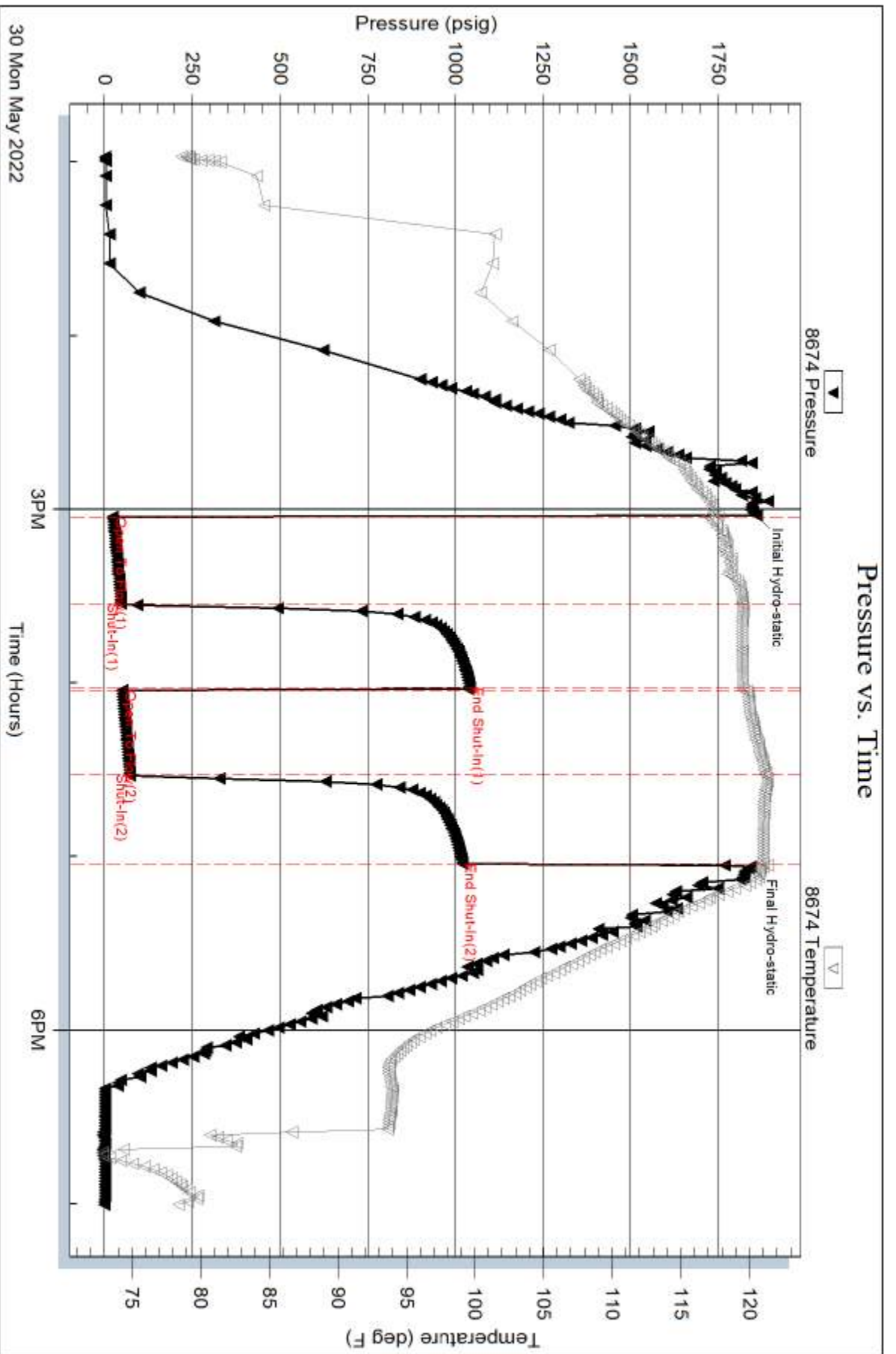
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .28@77=22000



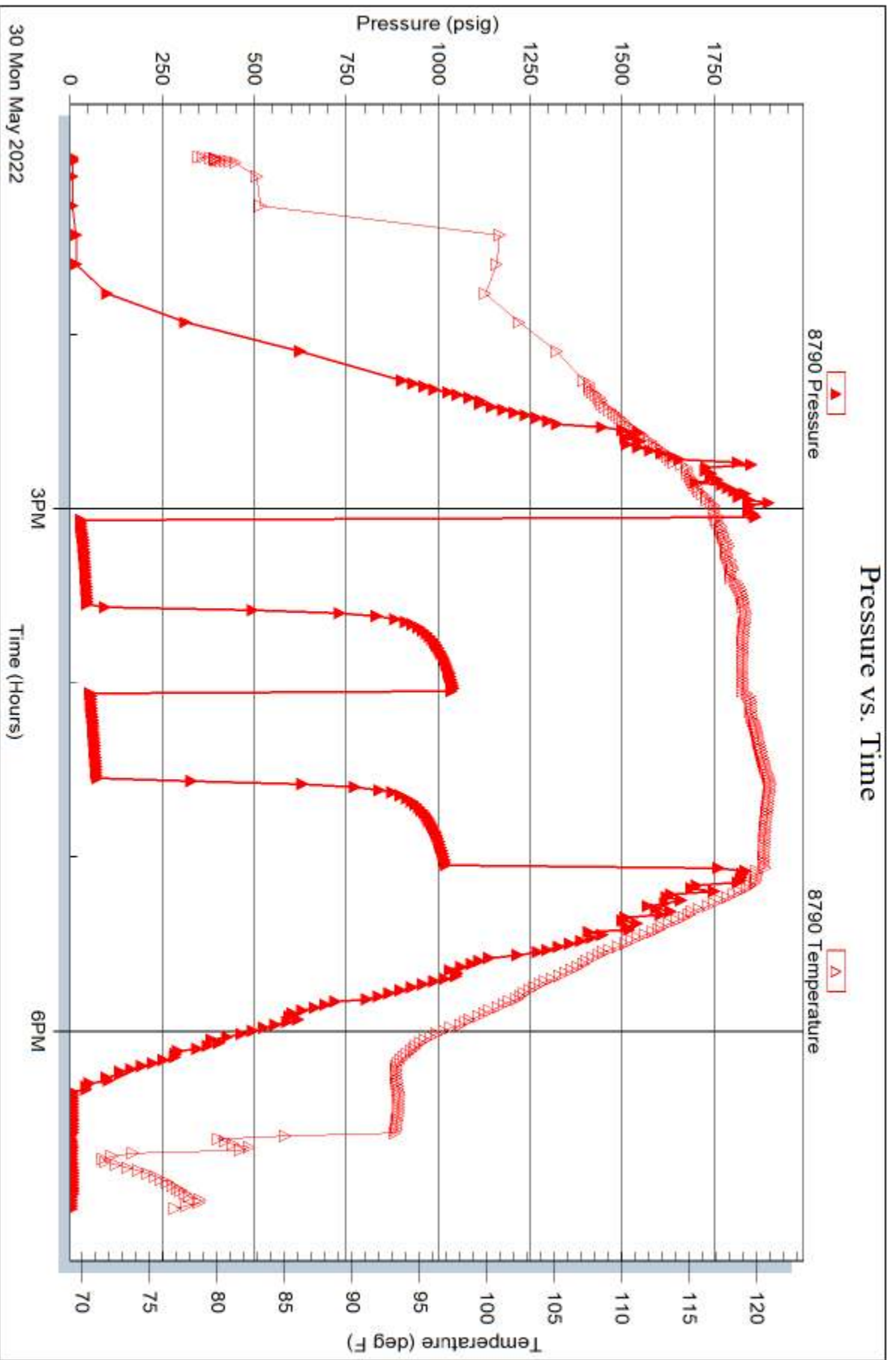
Serial #: 8790

Inside

Palomino

Sharp Dressed Man #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68794

Printed: 2022.05.30 @ 19:44:16



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Sharp Dressed Man #1

16-14s-30w Gove,KS

Start Date: 2022.05.30 @ 12:58:02

End Date: 2022.05.30 @ 19:00:32

Job Ticket #: 68794 DST #: 1

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

Printed: 2022.06.07 @ 09:58:30

Palomino Petroleum
16-14s-30w Gove,KS
Sharp Dressed Man #1
DST # 1
LKC A - C
2022.05.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

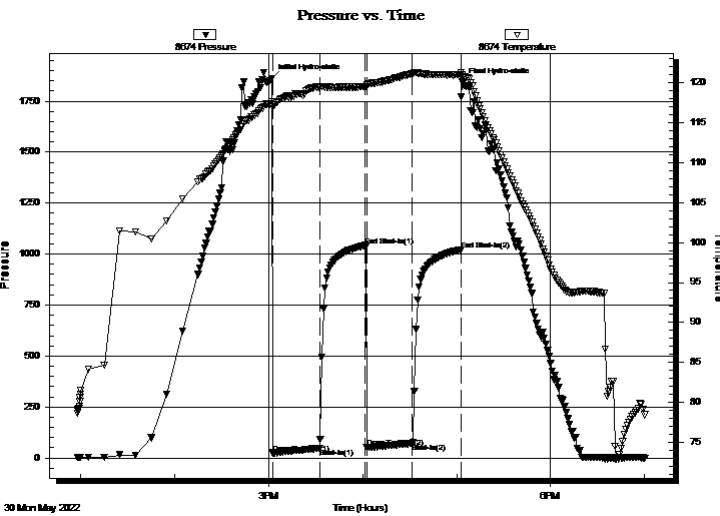
16-14s-30w Gove,KS
Sharp Dressed Man #1
Job Ticket: 68794 **DST#: 1**
Test Start: 2022.05.30 @ 12:58:02

GENERAL INFORMATION:

Formation: **LKC A - C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:02:32
Time Test Ended: 19:00:32
Interval: **3836.00 ft (KB) To 3920.00 ft (KB) (TVD)**
Total Depth: 3920.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2753.00 ft (KB)
2743.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
Press@RunDepth: 71.19 psig @ 3837.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.05.30 End Date: 2022.05.30 Last Calib.: 2022.05.30
Start Time: 12:58:07 End Time: 19:00:31 Time On Btm: 2022.05.30 @ 15:02:02
Time Off Btm: 2022.05.30 @ 17:03:32

TEST COMMENT: IF: 1/4" blow built to 3"
IS: No return.
FF: Surface blow built to 2."
FS: No return. 30s



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.56	117.70	Initial Hydro-static
1	23.22	116.99	Open To Flow (1)
31	46.75	119.46	Shut-In(1)
60	1042.43	119.52	End Shut-In(1)
61	51.00	119.55	Open To Flow (2)
90	71.19	121.16	Shut-In(2)
121	1021.62	121.01	End Shut-In(2)
122	1843.08	121.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 40%w 60%m	0.30
60.00	mud 100%m	0.30

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 67114

ATTN: Ryan Seib

16-14s-30w Gove,KS

Sharp Dressed Man #1

Job Ticket: 68794

DST#: 1

Test Start: 2022.05.30 @ 12:58:02

GENERAL INFORMATION:

Formation: **LKC A - C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:02:32

Time Test Ended: 19:00:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 3836.00 ft (KB) To 3920.00 ft (KB) (TVD)

Total Depth: 3920.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2753.00 ft (KB)

2743.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8790 Inside

Press@RunDepth: psig @ 3837.00 ft (KB)

Start Date: 2022.05.30 End Date: 2022.05.30

Start Time: 12:58:52 End Time: 19:01:16

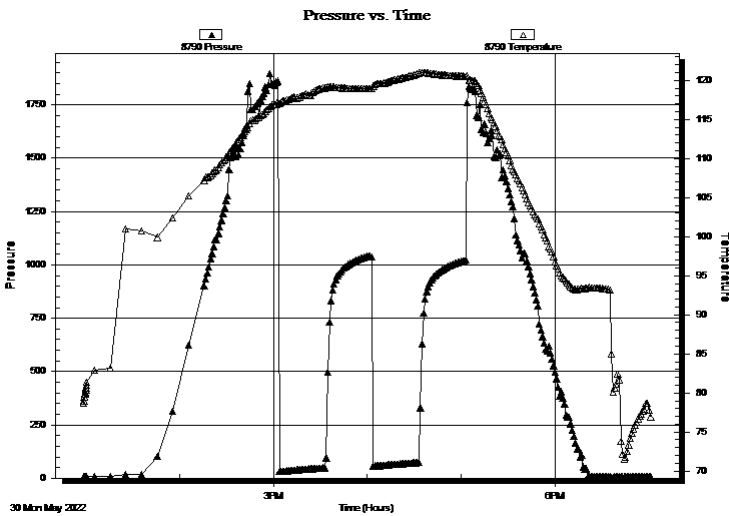
Capacity: 8000.00 psig

Last Calib.: 2022.05.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 3"
IS: No return.
FF: Surface blow built to 2."
FS: No return. 30s



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 40%w 60%m	0.30
60.00	mud 100%m	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68794

DST#: 1

ATTN: Ryan Seib

Test Start: 2022.05.30 @ 12:58:02

Tool Information

Drill Pipe:	Length: 3588.00 ft	Diameter: 3.80 inches	Volume: 50.33 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 51.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3836.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	113.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00		Fluid	3808.00	
Shut In Tool	5.00			3813.00	
Hydraulic tool	5.00			3818.00	
Jars	5.00			3823.00	
EM Tool	2.00			3825.00	
Safety Joint	2.00			3827.00	
Packer	5.00			3832.00	29.00 Bottom Of Top Packer
Packer	4.00			3836.00	
Stubb	1.00			3837.00	
Recorder	0.00	8790	Inside	3837.00	
Recorder	0.00	8674	Outside	3837.00	
Perforations	14.00			3851.00	
Change Over Sub	1.00			3852.00	
Drill Pipe	64.00			3916.00	
Change Over Sub	1.00			3917.00	
Bullnose	3.00			3920.00	84.00 Bottom Packers & Anchor
Total Tool Length:	113.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-14s-30w Gove,KS
Sharp Dressed Man #1
Job Ticket: 68794 **DST#: 1**
Test Start: 2022.05.30 @ 12:58:02

Mud and Cushion Information

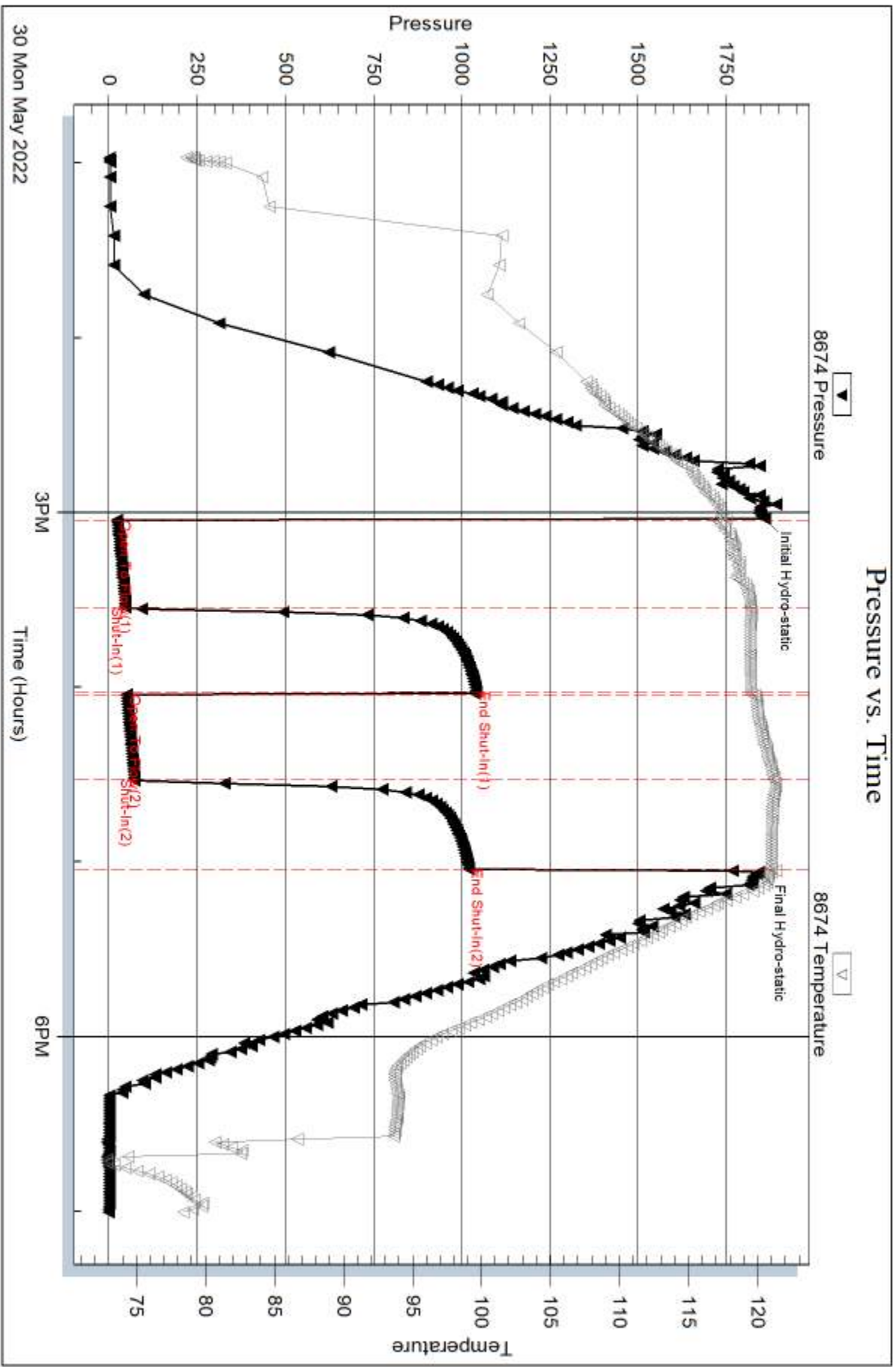
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 22000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.37 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	w cm 40%w 60%m	0.295
60.00	mud 100%m	0.295

Total Length: 120.00 ft Total Volume: 0.590 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .28@77=22000



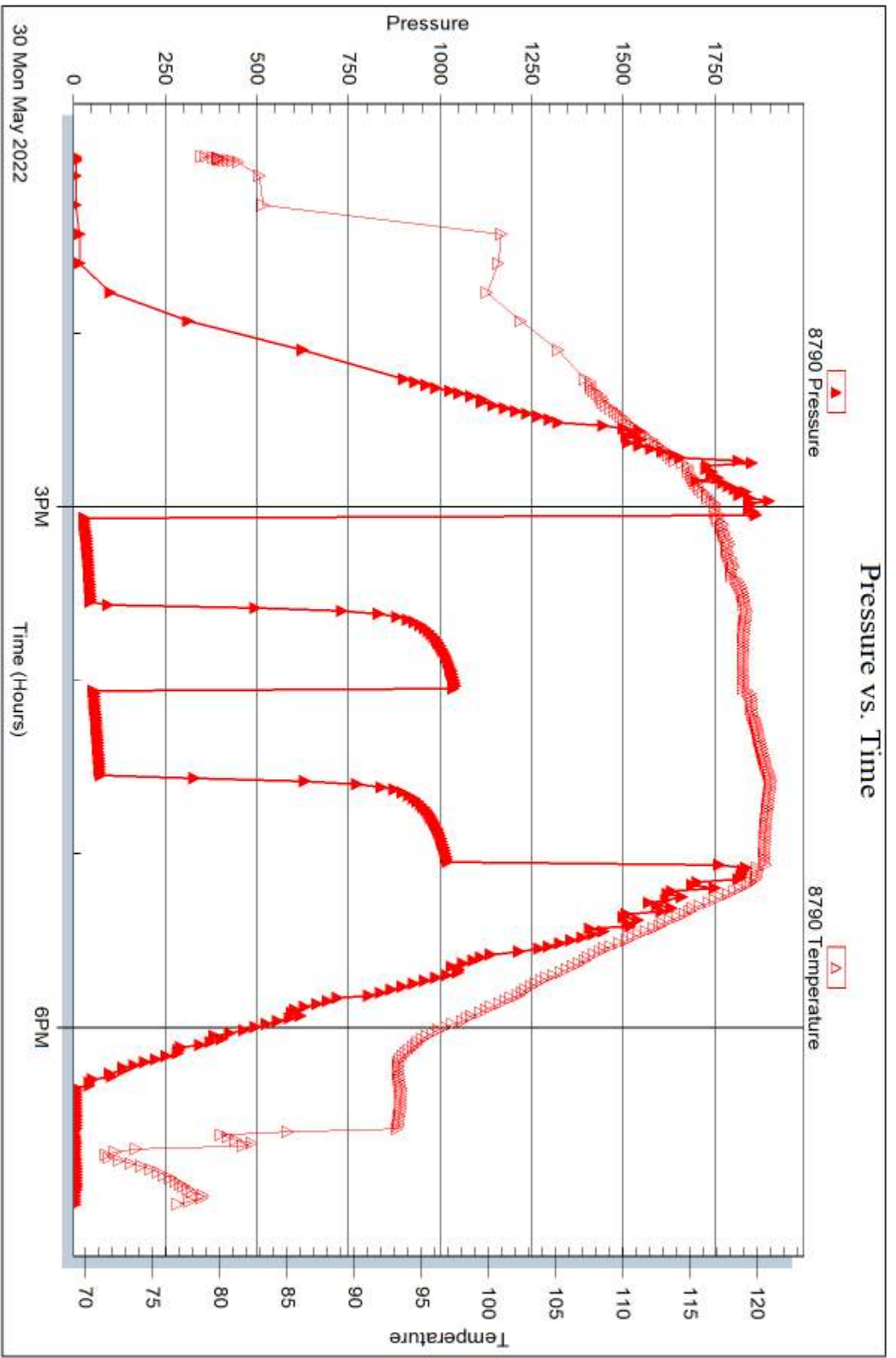
Serial #: 8790

Inside

Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68794

Printed: 2022.06.07 @ 09:58:31



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Sharp Dressed Man #1

16-14s-30w Gove,KS

Start Date: 2022.05.31 @ 05:28:28

End Date: 2022.05.31 @ 12:01:28

Job Ticket #: 68795 DST #: 2

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

Printed: 2022.06.07 @ 09:58:03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

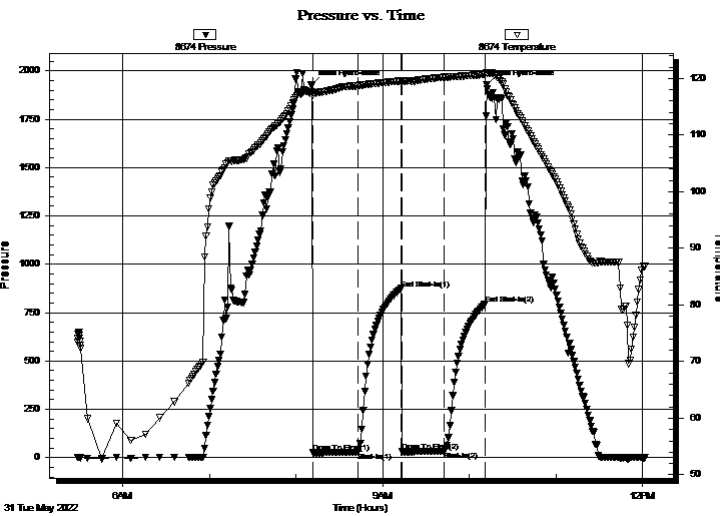
16-14s-30w Gove,KS
Sharp Dressed Man #1
Job Ticket: 68795 **DST#: 2**
Test Start: 2022.05.31 @ 05:28:28

GENERAL INFORMATION:

Formation: **LKC D - F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:11:28
Time Test Ended: 12:01:28
Interval: **3916.00 ft (KB) To 3970.00 ft (KB) (TVD)**
Total Depth: 3970.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2753.00 ft (KB)
2743.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
Press@RunDepth: 33.80 psig @ 3917.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.05.31 End Date: 2022.05.31 Last Calib.: 2022.05.31
Start Time: 05:28:33 End Time: 12:01:27 Time On Btm: 2022.05.31 @ 08:10:58
Time Off Btm: 2022.05.31 @ 10:11:58

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1927.04	117.74	Initial Hydro-static
1	25.31	117.08	Open To Flow (1)
32	29.32	118.70	Shut-In(1)
62	874.76	119.57	End Shut-In(1)
63	30.68	119.42	Open To Flow (2)
92	33.80	120.22	Shut-In(2)
120	794.89	120.70	End Shut-In(2)
121	1928.58	120.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

* 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 67114
ATTN: Ryan Seib

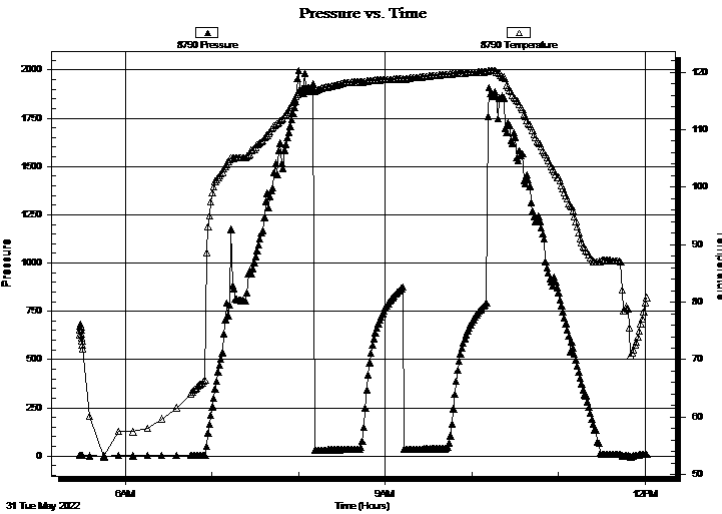
16-14s-30w Gove,KS
Sharp Dressed Man #1
Job Ticket: 68795 **DST#: 2**
Test Start: 2022.05.31 @ 05:28:28

GENERAL INFORMATION:

Formation: **LKC D - F**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 08:11:28 Tester: Brandon Turley
Time Test Ended: 12:01:28 Unit No: 79
Interval: 3916.00 ft (KB) To 3970.00 ft (KB) (TVD) Reference Elevations: 2753.00 ft (KB)
Total Depth: 3970.00 ft (KB) (TVD) 2743.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8790 Inside
Press@RunDepth: psig @ 3917.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.05.31 End Date: 2022.05.31 Last Calib.: 2022.05.31
Start Time: 05:28:17 End Time: 12:01:11 Time On Btm:
Time Off Btm:

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



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

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

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

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68795

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.05.31 @ 05:28:28

Tool Information

Drill Pipe:	Length: 3678.00 ft	Diameter: 3.80 inches	Volume: 51.59 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 52.78 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3916.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00		Fluid	3888.00	
Shut In Tool	5.00			3893.00	
Hydraulic tool	5.00			3898.00	
Jars	5.00			3903.00	
EM Tool	2.00			3905.00	
Safety Joint	2.00			3907.00	
Packer	5.00			3912.00	29.00 Bottom Of Top Packer
Packer	4.00			3916.00	
Stubb	1.00			3917.00	
Recorder	0.00	8790	Inside	3917.00	
Recorder	0.00	8674	Outside	3917.00	
Perforations	16.00			3933.00	
Change Over Sub	1.00			3934.00	
Drill Pipe	32.00			3966.00	
Change Over Sub	1.00			3967.00	
Bullnose	3.00			3970.00	54.00 Bottom Packers & Anchor
Total Tool Length:	83.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68795

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.05.31 @ 05:28:28

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

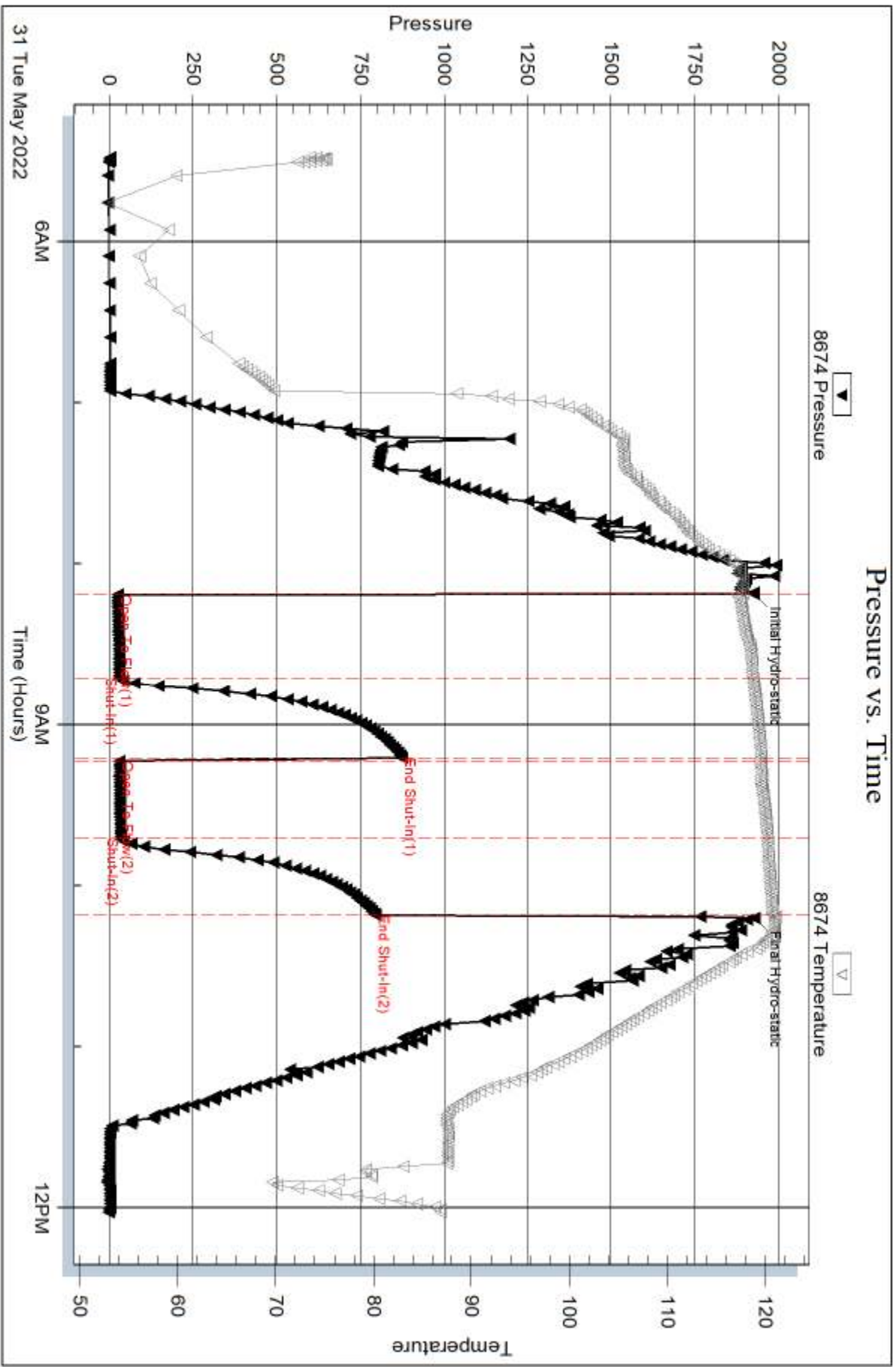
Recovery Comments:

Serial #: 8674

Outside Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 2



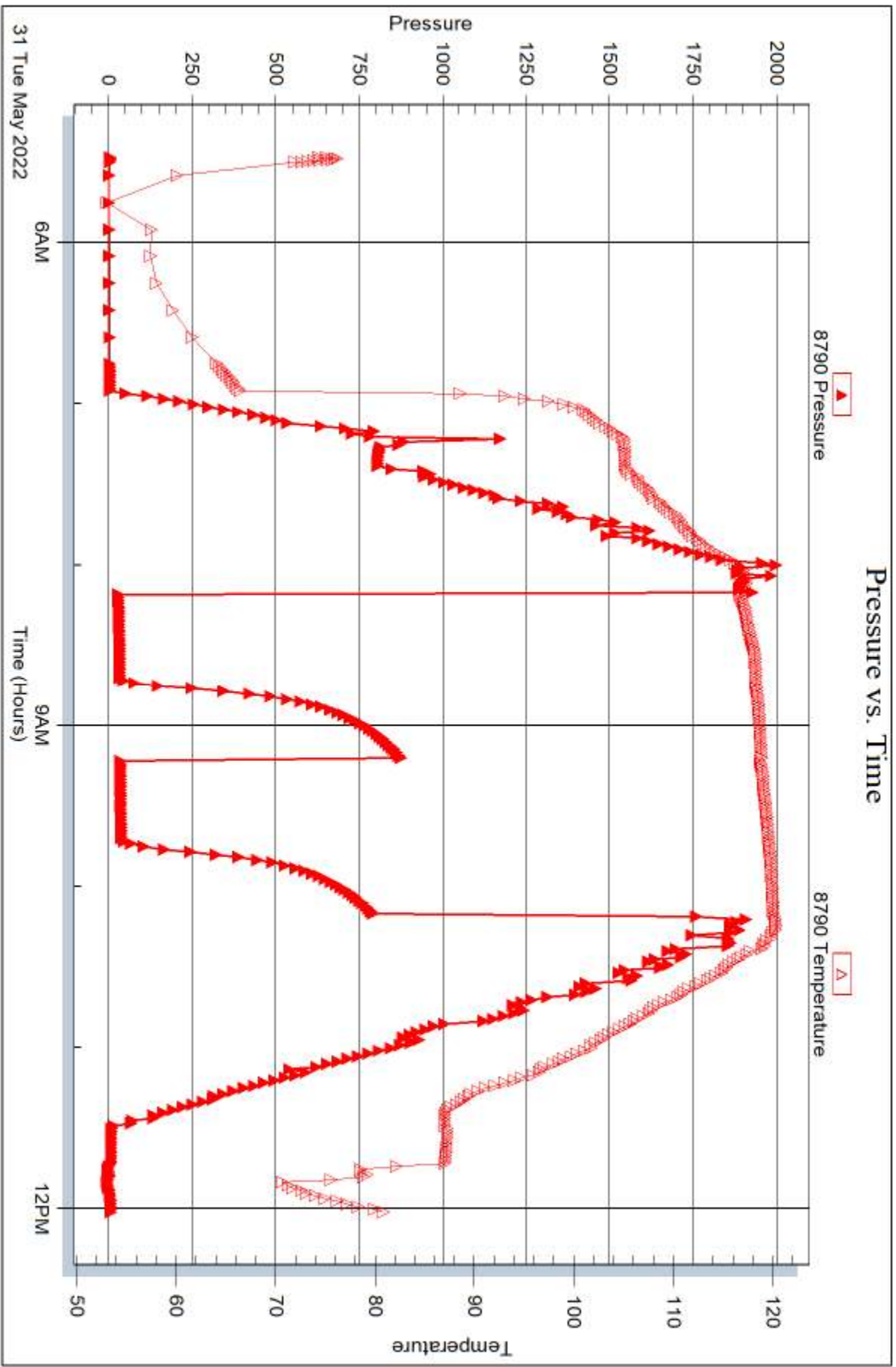
Serial #: 8790

Inside

Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Sharp Dressed Man #1

16-14s-30w Gove,KS

Start Date: 2022.06.01 @ 02:25:25

End Date: 2022.06.01 @ 08:35:55

Job Ticket #: 68796 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.06.07 @ 09:54:38



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 New ton, KS 67114
 ATTN: Ryan Seib

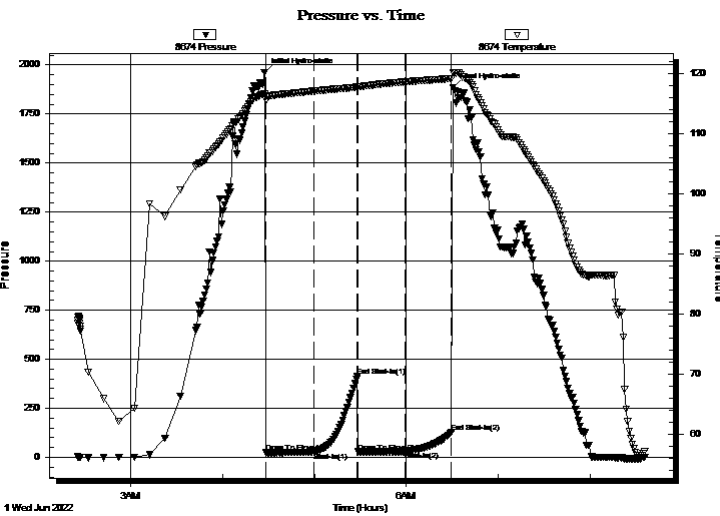
16-14s-30w Gove,KS
Sharp Dressed Man #1
 Job Ticket: 68796 **DST#: 3**
 Test Start: 2022.06.01 @ 02:25:25

GENERAL INFORMATION:

Formation: **LKC H - J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:28:25
 Time Test Ended: 08:35:55
 Interval: **3996.00 ft (KB) To 4085.00 ft (KB) (TVD)**
 Total Depth: 4085.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brando Turley
 Unit No: 79
 Reference Elevations: 2753.00 ft (KB)
 2743.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 28.81 psig @ 3997.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.01 End Date: 2022.06.01 Last Calib.: 2022.06.01
 Start Time: 02:25:30 End Time: 08:35:54 Time On Btm: 2022.06.01 @ 04:27:25
 Time Off Btm: 2022.06.01 @ 06:30:25

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.19	116.56	Initial Hydro-static
1	23.75	115.59	Open To Flow (1)
32	27.63	117.07	Shut-In(1)
61	411.94	117.74	End Shut-In(1)
61	27.64	117.72	Open To Flow (2)
92	28.81	118.61	Shut-In(2)
122	129.12	119.15	End Shut-In(2)
123	1886.45	120.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud oil spots 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

ATTN: Ryan Seib

Job Ticket: 68796

DST#: 3

Test Start: 2022.06.01 @ 02:25:25

GENERAL INFORMATION:

Formation: **LKC H - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:28:25

Time Test Ended: 08:35:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brando Turley

Unit No: 79

Interval: 3996.00 ft (KB) To 4085.00 ft (KB) (TVD)

Total Depth: 4085.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2753.00 ft (KB)

2743.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8790

Inside

Press@RunDepth: psig @ 3997.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.01 End Date: 2022.06.01

Last Calib.: 2022.06.01

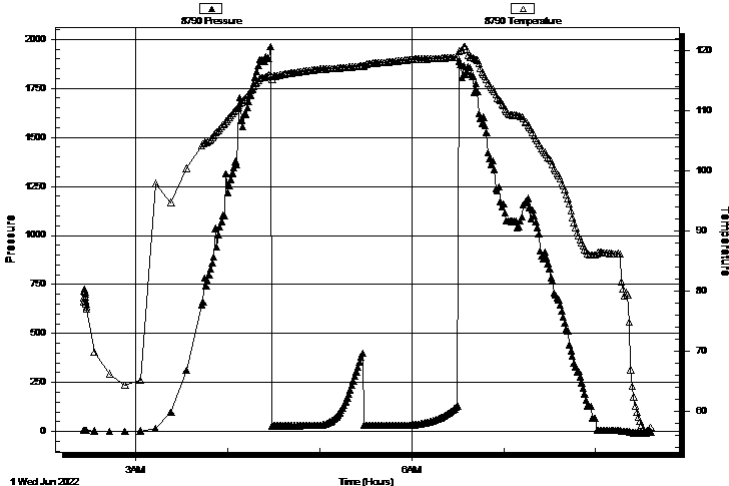
Start Time: 02:25:54 End Time: 08:36:18

Time On Btm:

Time Off Btm:

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

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud oil spots 100%m	0.02

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

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68796

DST#: 3

ATTN: Ryan Seib

Test Start: 2022.06.01 @ 02:25:25

Tool Information

Drill Pipe:	Length: 3745.00 ft	Diameter: 3.80 inches	Volume: 52.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 53.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3996.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00		Fluid	3968.00	
Shut In Tool	5.00			3973.00	
Hydraulic tool	5.00			3978.00	
Jars	5.00			3983.00	
EM Tool	2.00			3985.00	
Safety Joint	2.00			3987.00	
Packer	5.00			3992.00	29.00 Bottom Of Top Packer
Packer	4.00			3996.00	
Stubb	1.00			3997.00	
Recorder	0.00	8790	Inside	3997.00	
Recorder	0.00	8674	Outside	3997.00	
Perforations	19.00			4016.00	
Change Over Sub	1.00			4017.00	
Drill Pipe	64.00			4081.00	
Change Over Sub	1.00			4082.00	
Bullnose	3.00			4085.00	89.00 Bottom Packers & Anchor
Total Tool Length:	118.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-14s-30w Gove,KS
Sharp Dressed Man #1
Job Ticket: 68796 **DST#: 3**
Test Start: 2022.06.01 @ 02:25:25

Mud and Cushion Information

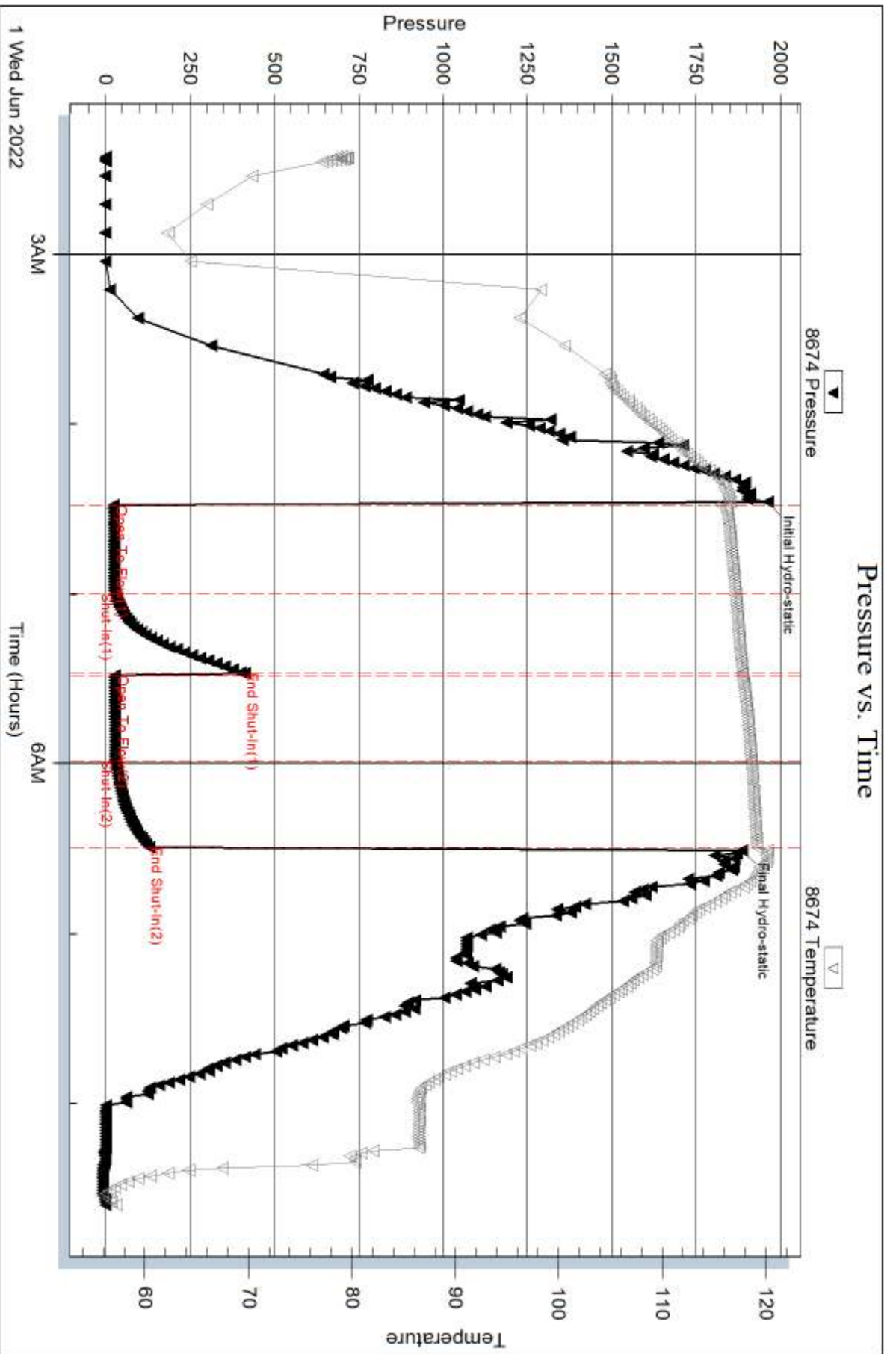
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.37 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud oil spots 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



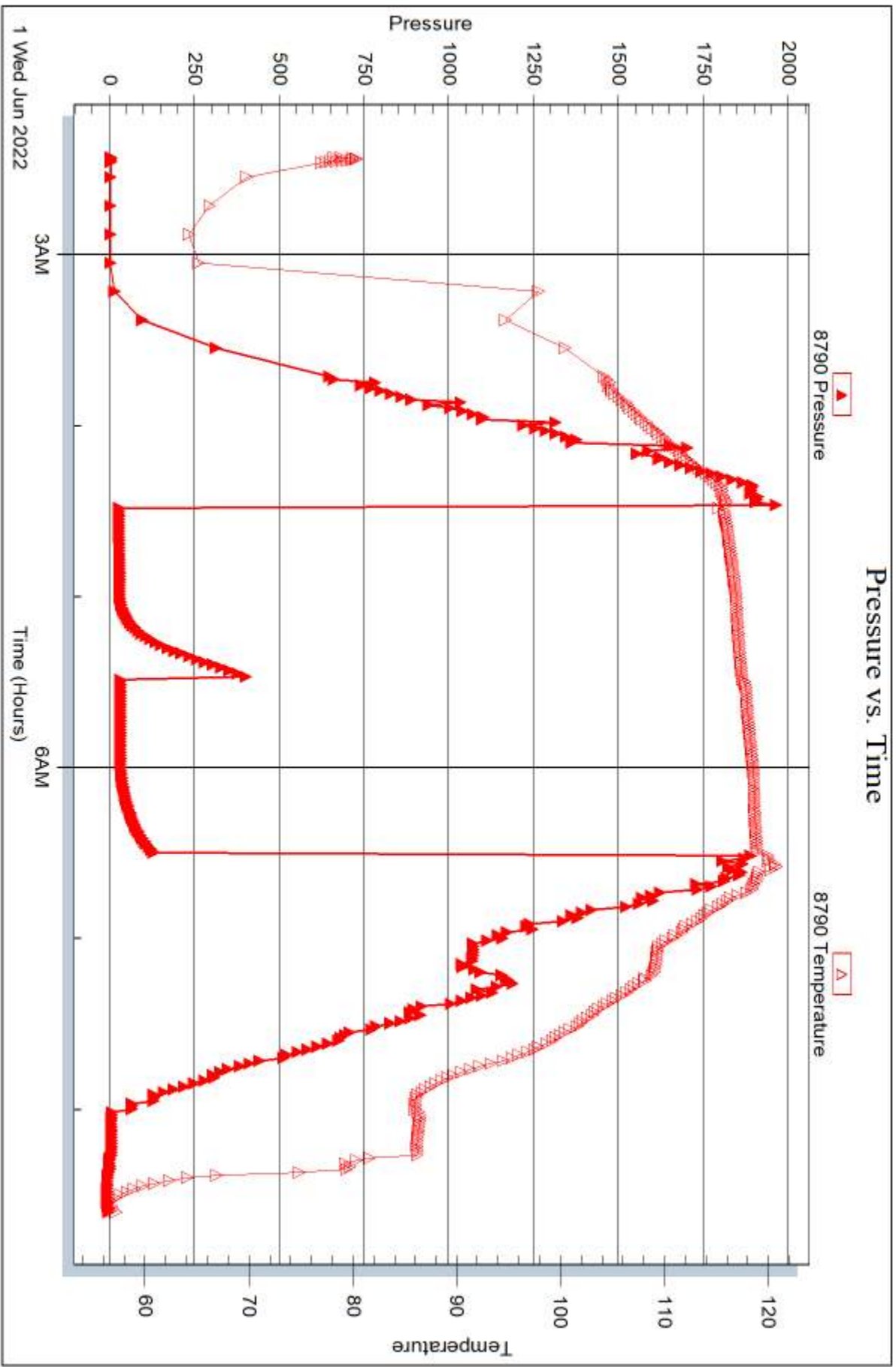
Serial #: 8790

Inside

Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68796

Printed: 2022.06.07 @ 09:54:41



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Sharp Dressed Man #1

16-14s-30w Gove,KS

Start Date: 2022.06.01 @ 20:18:00

End Date: 2022.06.02 @ 03:16:15

Job Ticket #: 68100 DST #: 4

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

Printed: 2022.06.07 @ 09:54:08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 New ton, KS 67114
 ATTN: Ryan Seib

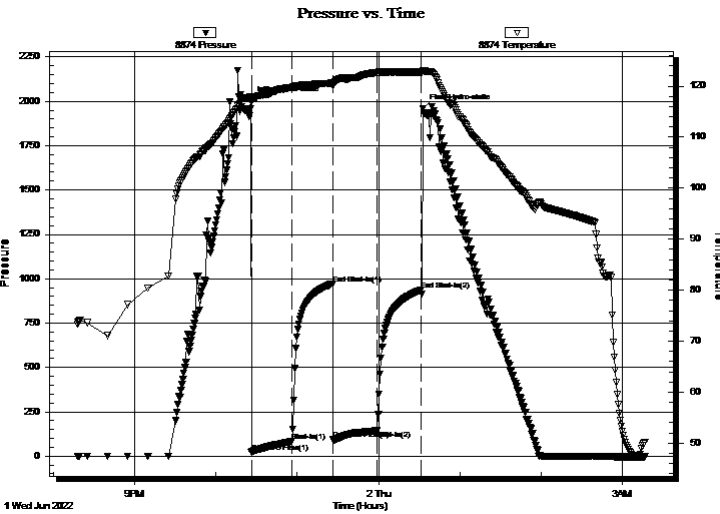
16-14s-30w Gove,KS
Sharp Dressed Man #1
 Job Ticket: 68100 **DST#: 4**
 Test Start: 2022.06.01 @ 20:18:00

GENERAL INFORMATION:

Formation: **LKC K - L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:26:15
 Time Test Ended: 03:16:15
 Interval: **4082.00 ft (KB) To 4170.00 ft (KB) (TVD)**
 Total Depth: 4170.00 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: 2753.00 ft (KB)
 2743.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8874 Outside
 Press@RunDepth: 143.86 psig @ 4083.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.01 End Date: 2022.06.02 Last Calib.: 2022.06.02
 Start Time: 20:18:05 End Time: 03:16:14 Time On Btm: 2022.06.01 @ 22:26:00
 Time Off Btm: 2022.06.02 @ 00:32:45

TEST COMMENT: IF: 6 1/2" blow .
 IS: No return,
 FF: 5" blow .
 FS: No return 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2004.56	117.89	Initial Hydro-static
1	22.62	116.97	Open To Flow (1)
30	82.88	119.73	Shut-In(1)
60	971.02	120.57	End Shut-In(1)
61	93.57	120.02	Open To Flow (2)
93	143.86	122.64	Shut-In(2)
126	937.95	122.77	End Shut-In(2)
127	1957.67	123.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	ocm 3o 97m	1.59

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 Newton, KS 67114
 ATTN: Ryan Seib

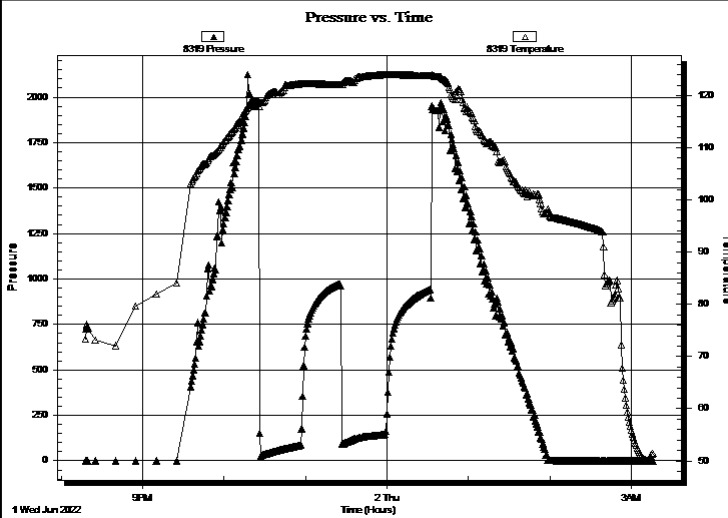
16-14s-30w Gove,KS
Sharp Dressed Man #1
 Job Ticket: 68100 **DST#: 4**
 Test Start: 2022.06.01 @ 20:18:00

GENERAL INFORMATION:

Formation: LKC K-L Deviated: No Whipstock: ft (KB) Time Tool Opened: 22:26:15 Time Test Ended: 03:16:15	Test Type: Conventional Bottom Hole (Reset) Tester: Bradley Walter Unit No: 78
Interval: 4082.00 ft (KB) To 4170.00 ft (KB) (TVD) Total Depth: 4170.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good	Reference Elevations: 2753.00 ft (KB) 2743.00 ft (CF) KB to GR/CF: 10.00 ft

Serial #: 8319 Inside			
Press@RunDepth: psig @	4083.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2022.06.01	Last Calib.:	1899.12.30
Start Time:	20:18:05	Time On Btm:	
	End Date:	Time Off Btm:	
	2022.06.02		
	End Time:		
	03:16:14		

TEST COMMENT: IF: 6 1/2" blow .
 IS: No return,
 FF: 5" blow .
 FS: No return 30-30-30-30



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
270.00	ocm 3o 97m	1.59

* 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

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68100

DST#: 4

ATTN: Ryan Seib

Test Start: 2022.06.01 @ 20:18:00

Tool Information

Drill Pipe:	Length: 3838.00 ft	Diameter: 3.80 inches	Volume: 53.84 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	2500.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 55.03 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4082.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	88.00 ft				
Tool Length:	118.00 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			4053.00	
Shut In Tool	5.00			4058.00	
Hydraulic tool	5.00			4063.00	
Jars	5.00			4068.00	
EM Tool	3.00			4071.00	
Safety Joint	2.00			4073.00	
Packer	5.00			4078.00	30.00 Bottom Of Top Packer
Packer	4.00			4082.00	
Stubb	1.00			4083.00	
Recorder	0.00	8319	Inside	4083.00	
Recorder	0.00	8874	Outside	4083.00	
Perforations	19.00			4102.00	
Change Over Sub	1.00			4103.00	
Drill Pipe	63.00			4166.00	
Change Over Sub	1.00			4167.00	
Bullnose	3.00			4170.00	88.00 Bottom Packers & Anchor
Total Tool Length:	118.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68100

DST#: 4

ATTN: Ryan Seib

Test Start: 2022.06.01 @ 20:18:00

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:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	ocm 3o 97m	1.592

Total Length: 270.00 ft Total Volume: 1.592 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

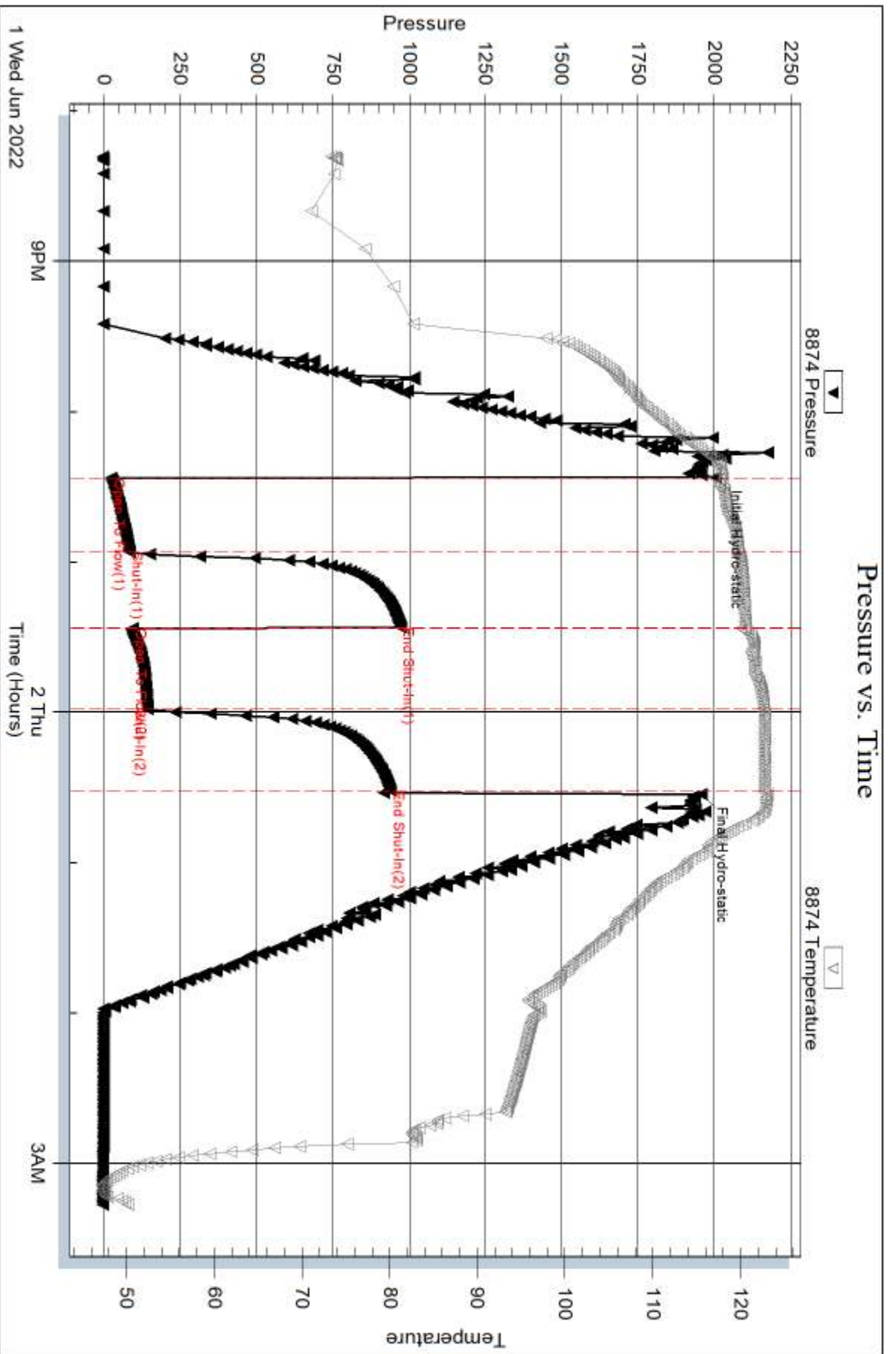
Recovery Comments:

Serial #: 8874

Outside Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 68100

Printed: 2022.06.07 @ 09:54:08

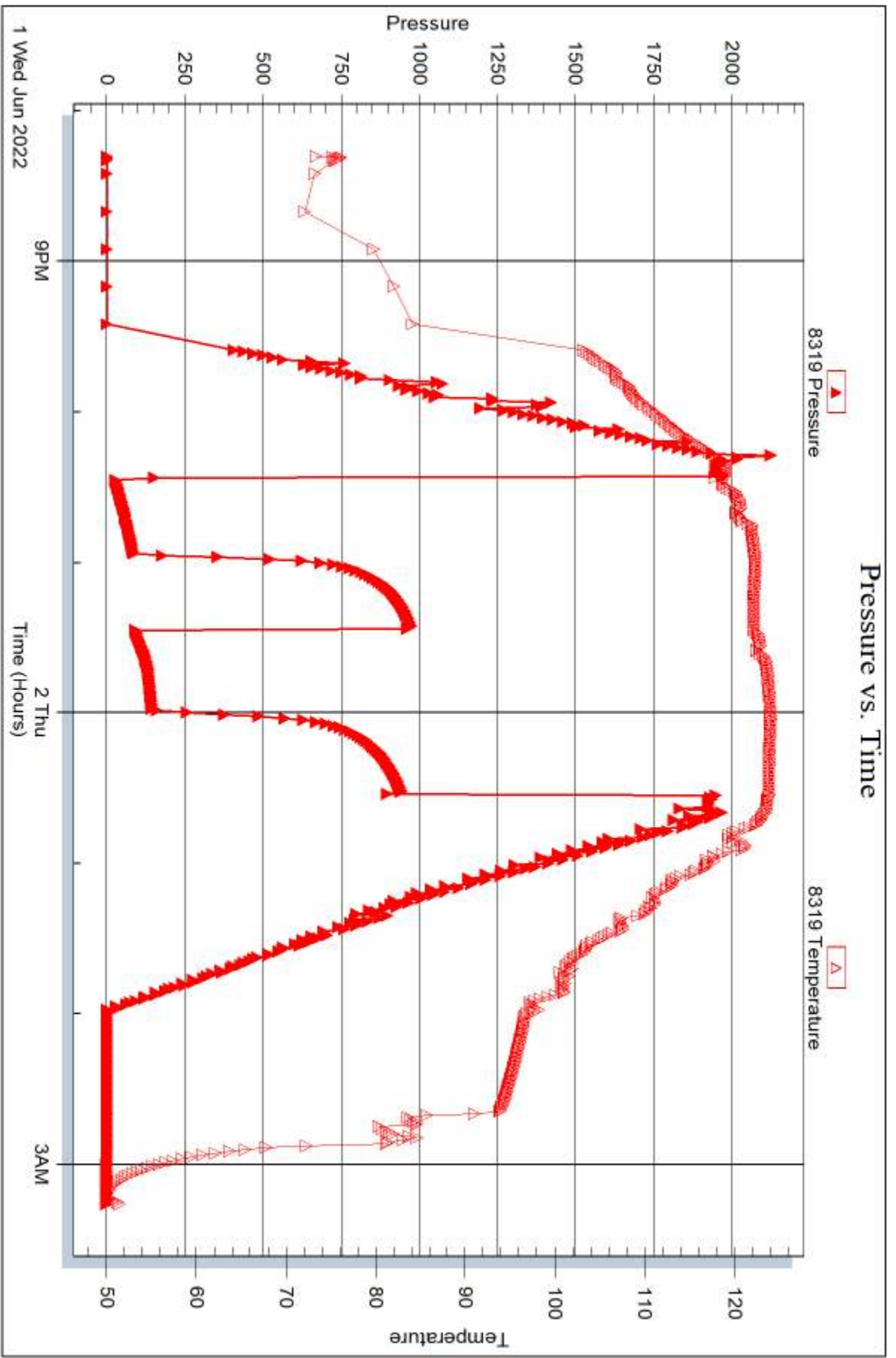
Serial #: 8319

Inside

Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 68100

Printed: 2022.06.07 @ 09:54:09



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Sharp Dressed Man #1

16-14s-30w Gove,KS

Start Date: 2022.06.02 @ 20:08:00

End Date: 2022.06.03 @ 02:54:45

Job Ticket #: 68102 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.06.07 @ 09:53:38



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 New ton, KS 67114
 ATTN: Ryan Seib

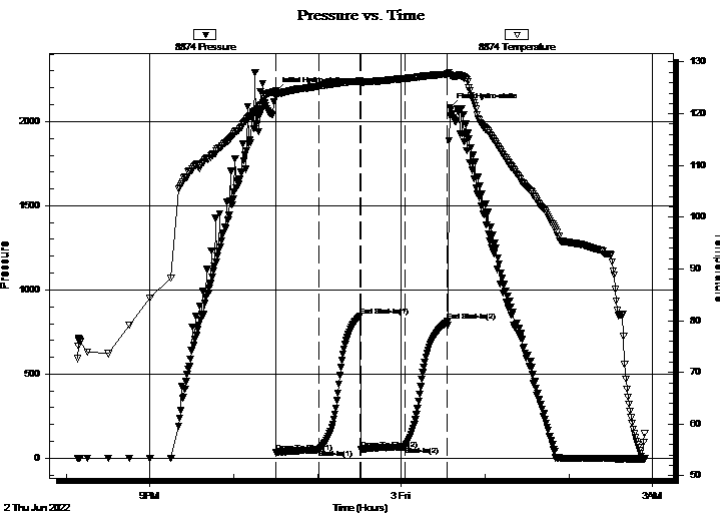
16-14s-30w Gove,KS
Sharp Dressed Man #1
 Job Ticket: 68102 **DST#: 5**
 Test Start: 2022.06.02 @ 20:08:00

GENERAL INFORMATION:

Formation: **Pawnee - Myric Stati**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:30:15
 Time Test Ended: 02:54:45
 Interval: **4276.00 ft (KB) To 4340.00 ft (KB) (TVD)**
 Total Depth: 4340.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 79
 Reference Elevations: 2753.00 ft (KB)
 2743.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8874 Outside
 Press@RunDepth: 67.95 psig @ 4277.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.02 End Date: 2022.06.03 Last Calib.: 2022.06.03
 Start Time: 20:08:05 End Time: 02:54:44 Time On Btm: 2022.06.02 @ 22:30:00
 Time Off Btm: 2022.06.03 @ 00:35:00

TEST COMMENT: IF: BOB @ 23 min- 12 1/2" blow .
 IS: No return.
 FF: BOB @ 14 min 15 1/2" blow .
 FS: No return, 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.64	124.36	Initial Hydro-static
1	33.28	123.52	Open To Flow (1)
31	51.41	125.36	Shut-In(1)
61	846.78	126.31	End Shut-In(1)
61	51.47	126.13	Open To Flow (2)
93	67.95	126.80	Shut-In(2)
123	812.59	127.65	End Shut-In(2)
125	2082.06	127.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	gocm 35g 30o 30m	0.34
30.00	oil 100o	0.15
0.00	140 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum

16-14s-30w Gove, KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

ATTN: Ryan Seib

Job Ticket: 68102

DST#: 5

Test Start: 2022.06.02 @ 20:08:00

GENERAL INFORMATION:

Formation: **Pawnee - Myric Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:30:15

Time Test Ended: 02:54:45

Interval: 4276.00 ft (KB) To 4340.00 ft (KB) (TVD)

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 79

Reference Elevations: 2753.00 ft (KB)

2743.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8319 Inside

Press@RunDepth: psig @ 4277.00 ft (KB)

Start Date: 2022.06.02

End Date: 2022.06.03

Capacity: 8000.00 psig

Last Calib.: 2022.06.03

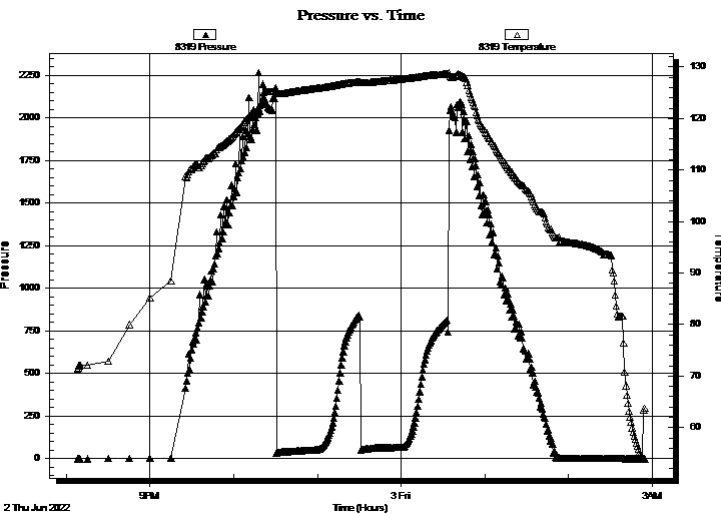
Start Time: 20:08:05

End Time: 02:54:44

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 23 min- 12 1/2" blow .
IS: No return.
FF: BOB @ 14 min 15 1/2" 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	gocm 35g 30o 30m	0.34
30.00	oil 100o	0.15
0.00	140 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

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68102

DST#: 5

ATTN: Ryan Seib

Test Start: 2022.06.02 @ 20:08:00

Tool Information

Drill Pipe:	Length: 4029.00 ft	Diameter: 3.80 inches	Volume: 56.52 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4276.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	94.00 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			4247.00	
Shut In Tool	5.00			4252.00	
Hydraulic tool	5.00			4257.00	
Jars	5.00			4262.00	
EM Tool	3.00			4265.00	
Safety Joint	2.00			4267.00	
Packer	5.00			4272.00	30.00 Bottom Of Top Packer
Packer	4.00			4276.00	
Stubb	1.00			4277.00	
Recorder	0.00	8319	Inside	4277.00	
Recorder	0.00	8874	Outside	4277.00	
Perforations	27.00			4304.00	
Change Over Sub	1.00			4305.00	
Drill Pipe	31.00			4336.00	
Change Over Sub	1.00			4337.00	
Bullnose	3.00			4340.00	64.00 Bottom Packers & Anchor
Total Tool Length:	94.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68102

DST#: 5

ATTN: Ryan Seib

Test Start: 2022.06.02 @ 20:08:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	gocm 35g 30o 30m	0.344
30.00	oil 100o	0.148
0.00	140 GIP	0.000

Total Length: 100.00 ft

Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

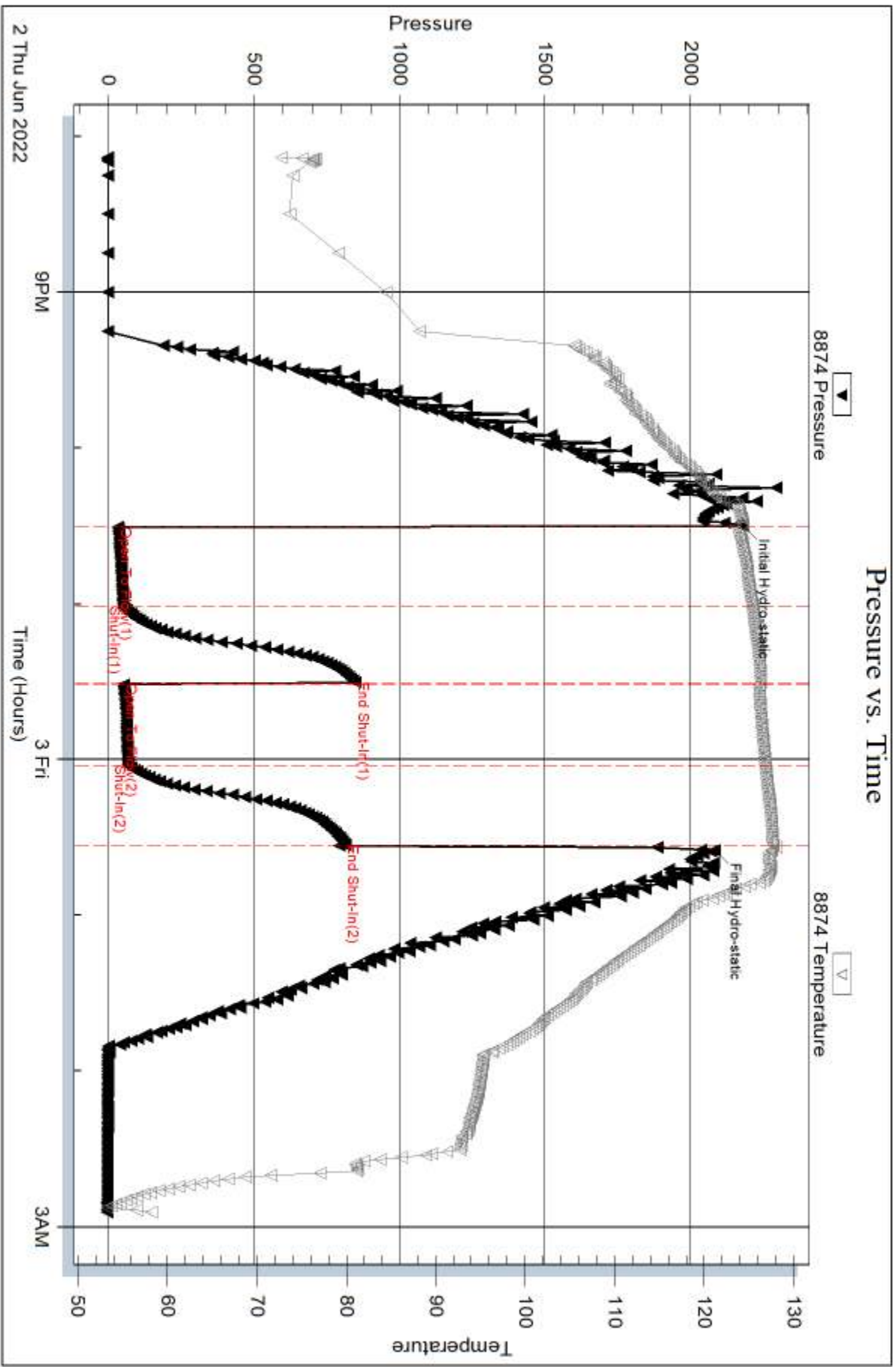
Recovery Comments:

Serial #: 8874

Outside Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 5



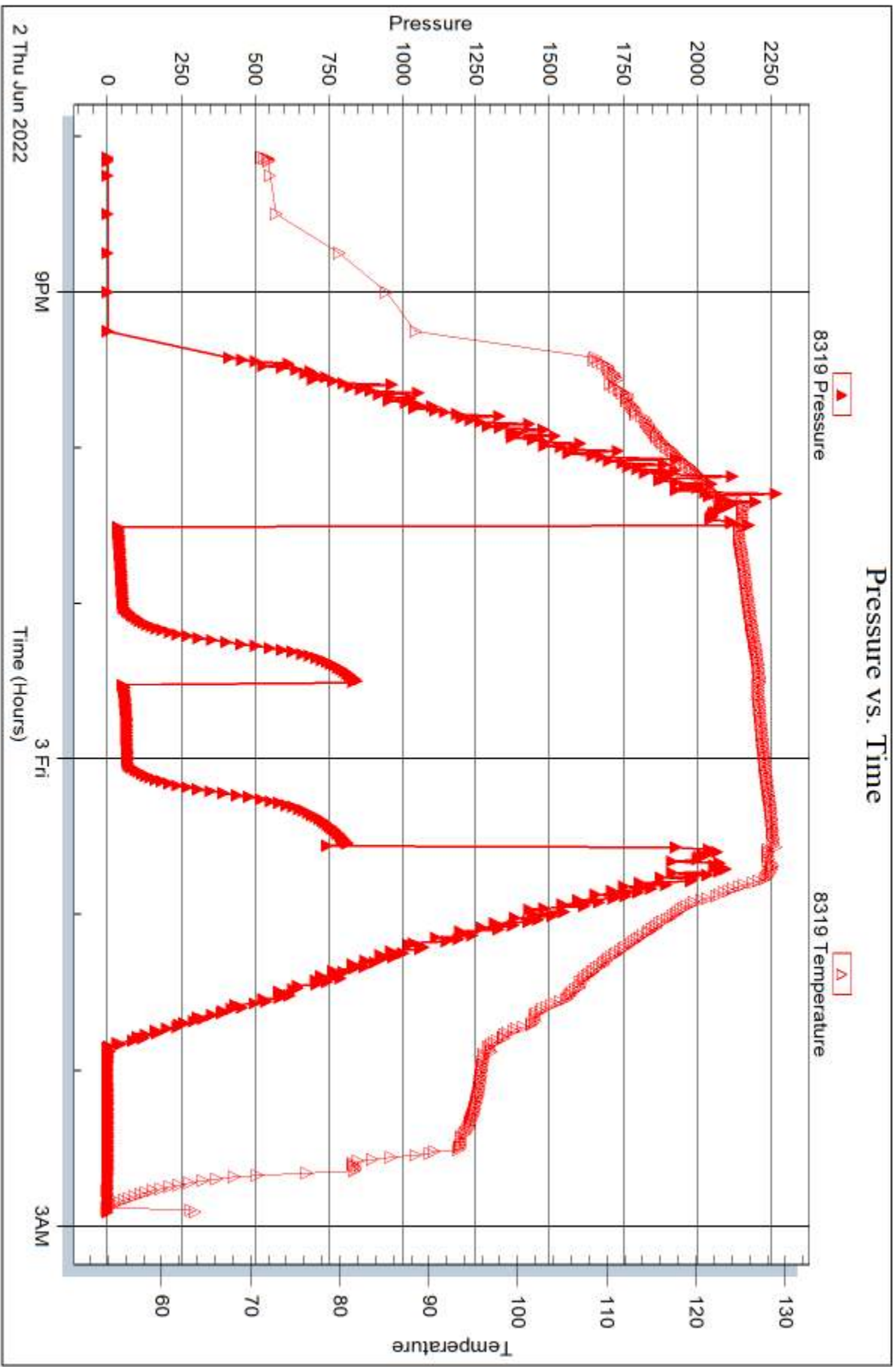
Serial #: 8319

Inside

Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 68102

Printed: 2022.06.07 @ 09:53:39



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Sharp Dressed Man #1

16-14s-30w Gove,KS

Start Date: 2022.06.03 @ 14:33:00

End Date: 2022.06.03 @ 22:06:15

Job Ticket #: 68103 DST #: 6

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

Printed: 2022.06.07 @ 09:53:10

Palomino Petroleum
16-14s-30w Gove,KS
Sharp Dressed Man #1
DST # 6
Johnson
2022.06.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-14s-30w Gove,KS
Sharp Dressed Man #1
Job Ticket: 68103 **DST#: 6**
Test Start: 2022.06.03 @ 14:33:00

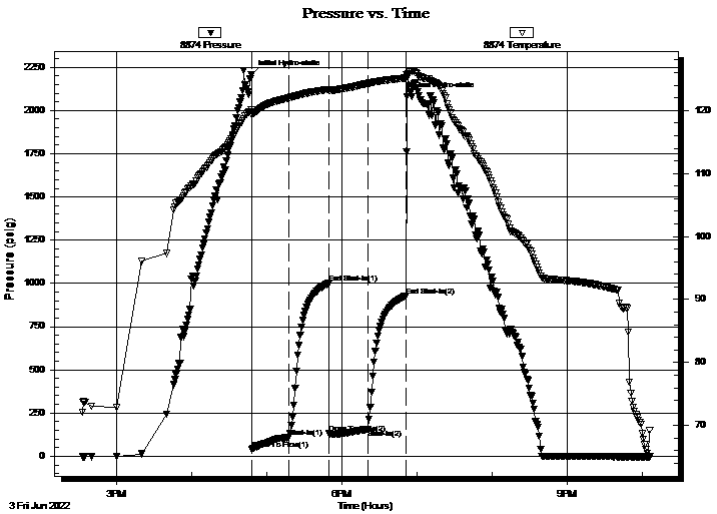
GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:48:15
Time Test Ended: 22:06:15
Interval: **4336.00 ft (KB) To 4440.00 ft (KB) (TVD)**
Total Depth: 4440.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 79
Reference Elevations: 2753.00 ft (KB)
2743.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8874 Outside
Press@RunDepth: 154.69 psig @ 4337.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.06.03 End Date: 2022.06.03 Last Calib.: 2022.06.03
Start Time: 14:33:05 End Time: 22:06:14 Time On Btm: 2022.06.03 @ 16:48:00
Time Off Btm: 2022.06.03 @ 18:52:15

TEST COMMENT: IF: BOB @ 8 min, built to 32"
IS: 2 1/4" return.
FF: BOB @ 11 min built to 30"
FS: 7 1/2" return,

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.30	120.07	Initial Hydro-static
1	37.61	119.30	Open To Flow (1)
30	110.08	122.00	Shut-In(1)
62	999.39	123.33	End Shut-In(1)
62	130.99	123.09	Open To Flow (2)
93	154.69	124.25	Shut-In(2)
124	927.86	125.14	End Shut-In(2)
125	2080.50	125.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 30g 30o 40m	0.59
120.00	gmco 30g 45o 25m	0.59
100.00	oil 100o	1.39
0.00	380' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Palomino Petroleum

16-14s-30w Gove, KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

ATTN: Ryan Seib

Job Ticket: 68103 **DST#: 6**
Test Start: 2022.06.03 @ 14:33:00

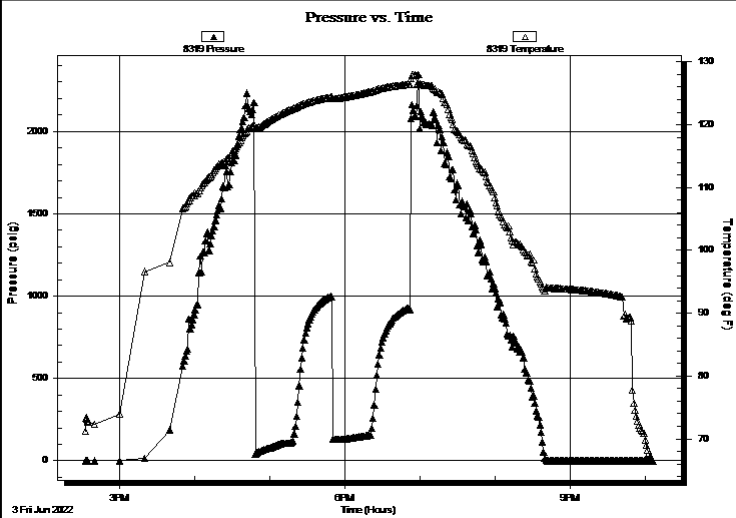
GENERAL INFORMATION:

Formation: Johnson	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Bradley Walter
Time Tool Opened: 16:48:15	Unit No: 79
Time Test Ended: 22:06:15	
Interval: 4336.00 ft (KB) To 4440.00 ft (KB) (TVD)	Reference Elevations: 2753.00 ft (KB)
Total Depth: 4440.00 ft (KB) (TVD)	2743.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good
	KB to GR/CF: 10.00 ft

Serial #: 8319 Inside

Press@RunDepth: psig @ 4337.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2022.06.03	End Date: 2022.06.03
Start Time: 14:33:05	End Time: 22:06:14
	Last Calib.: 1899.12.30
	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: BOB @ 8 min, built to 32"
IS: 2 1/4" return.
FF: BOB @ 11 min built to 30"
FS: 7 1/2" return,



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 30g 30o 40m	0.59
120.00	gmco 30g 45o 25m	0.59
100.00	oil 100o	1.39
0.00	380' 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

16-14s-30w Gove,KS

4924 SE 84th St
New ton, KS 67114

Sharp Dressed Man #1

Job Ticket: 68103

DST#: 6

ATTN: Ryan Seib

Test Start: 2022.06.03 @ 14:33:00

Tool Information

Drill Pipe:	Length: 4093.00 ft	Diameter: 3.80 inches	Volume: 57.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4336.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	104.00 ft			
Tool Length:	134.00 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			4307.00	
Shut In Tool	5.00			4312.00	
Hydraulic tool	5.00			4317.00	
Jars	5.00			4322.00	
EM Tool	3.00			4325.00	
Safety Joint	2.00			4327.00	
Packer	5.00			4332.00	30.00 Bottom Of Top Packer
Packer	4.00			4336.00	
Stubb	1.00			4337.00	
Recorder	0.00	8319	Inside	4337.00	
Recorder	0.00	8874	Outside	4337.00	
Perforations	4.00			4341.00	
Change Over Sub	1.00			4342.00	
Drill Pipe	94.00			4436.00	
Change Over Sub	1.00			4437.00	
Bullnose	3.00			4440.00	104.00 Bottom Packers & Anchor
Total Tool Length:	134.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-14s-30w Gove,KS
Sharp Dressed Man #1
Job Ticket: 68103 **DST#: 6**
Test Start: 2022.06.03 @ 14:33:00

Mud and Cushion Information

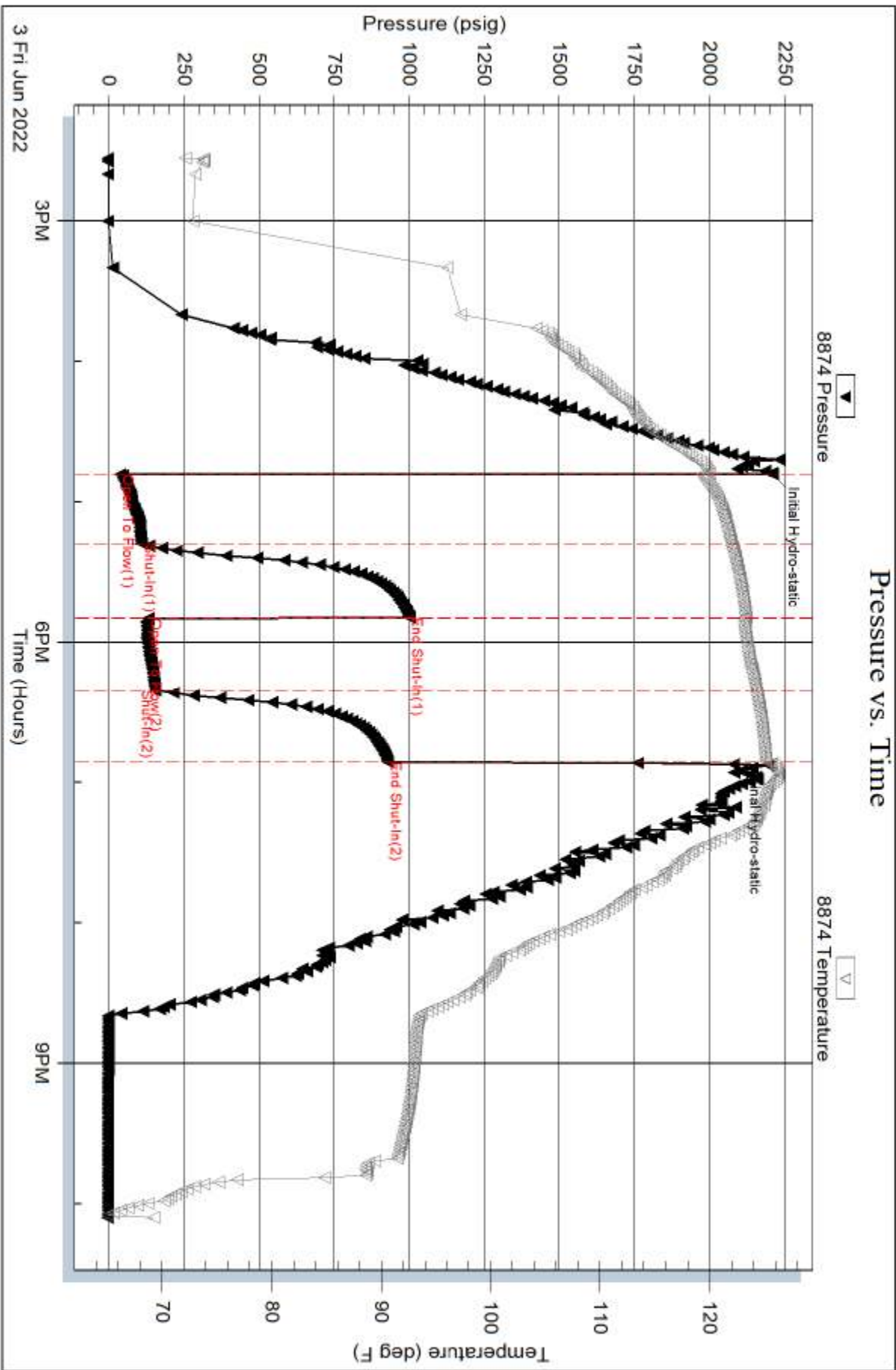
Mud Type: Gel Chem	Cushion Type:	Oil API: 27 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 30g 30o 40m	0.590
120.00	gmco 30g 45o 25m	0.590
100.00	oil 100o	1.394
0.00	380' GIP	0.000

Total Length: 340.00 ft Total Volume: 2.574 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



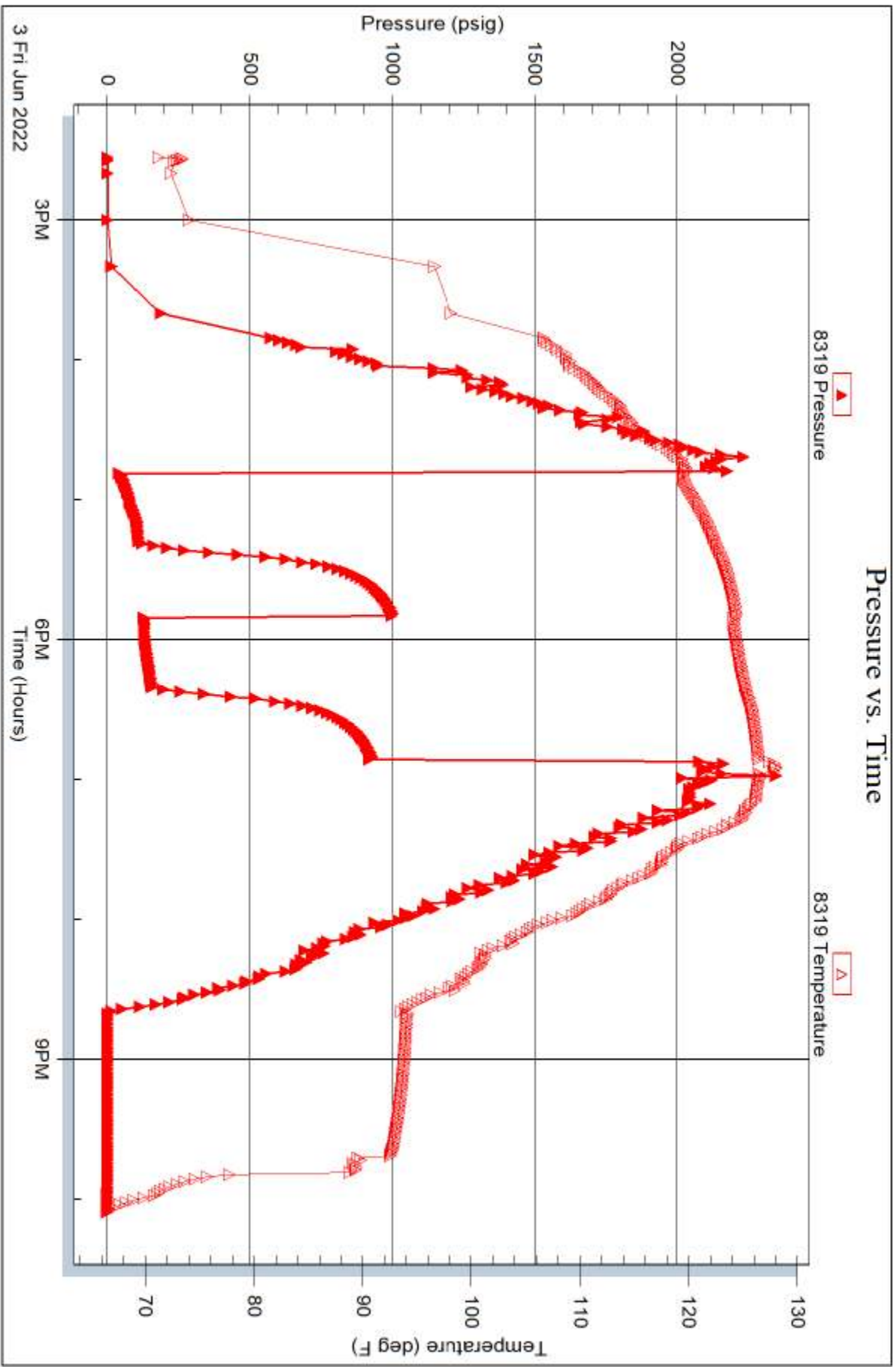
Serial #: 8319

Inside

Palomino Petroleum

Sharp Dressed Man #1

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 68103

Printed: 2022.06.07 @ 09:53:11



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68794

Well Name & No. Sharp Dressed man #1 Test No. 1 Date 5-30-22
 Company Palomino Elevation 2753 KB 2743 GL
 Address _____
 Co. Rep / Geo. Ryan Seik Rig Marlin 21
 Location: Sec. 16 Twp 14 Rge. 30 Co. Gove State KS

Interval Tested 3836 3920 Zone Tested A-C
 Anchor Length _____ 84 Drill Pipe Run 3588 Mud Wt. 9.1
 Top Packer Depth _____ 3831 Drill Collars Run 241 Vis 48
 Bottom Packer Depth _____ 3836 Wt. Pipe Run _____ WL 6.4
 Total Depth _____ 3920 Chlorides 1506 ppm System LCM 2

Blow Description IF: 1/4 blow built to 3.
IS: No return
FF: Surface blow built to 2.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>mud</u>			<u>100</u>	
<u>60</u>	<u>WCM</u>		<u>40</u>	<u>60</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

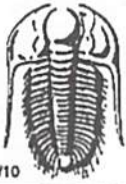
Rec Total 120 BHT 121 Gravity 1800 API RW .28 @ 77° F Chlorides 22.000 ppm
 Test
 Jars 300
 Safety Joint
 Circ Sub N/C
 Hourly Standby
 Mileage 102 - 151
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 2251

T-On Location 11:30
 T-Started 12:58
 T-Open 15:03
 T-Pulled 17:03
 T-Out 19:02
 Comments _____

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

EM Tool -350
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total -350
 Total 1901
 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. 68795

Well Name & No. Sharp Dressed Man #1 Test No. 2 Date 5-31-22
 Company Palomino Elevation 2753 KB 2743 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig Marlin 21
 Location: Sec. 16 Twp 14 Rge. 30 Co. Gove State KS

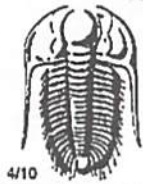
Interval Tested 3916 3970 Zone Tested Lensing D-F
 Anchor Length 54 Drill Pipe Run 3678 Mud Wt. 9.1
 Top Packer Depth 3911 Drill Collars Run 241 Vis 48
 Bottom Packer Depth 3916 Wt. Pipe Run _____ WL 6.4
 Total Depth 3970 Chlorides 1500 ppm System LCM 2
 Blow Description IF: 1/4 blow built to 3/4.
IS: No return.
FF: No blow
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 120 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1927</u>	<input checked="" type="checkbox"/> Test <u>1800</u>	T-On Location <u>4:15</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>5:28</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>8:11</u>
(D) Initial Shut-In <u>874</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>10:11</u>
(E) Second Initial Flow <u>30</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:02</u>
(F) Second Final Flow <u>33</u>	<input checked="" type="checkbox"/> Mileage <u>102</u> - 151	Comments _____
(G) Final Shut-In <u>794</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1928</u>	<input type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
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 checked="" type="checkbox"/> Ruined Packer <u>335</u>
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>335-350</u>
	<input type="checkbox"/> Accessibility _____	Total <u>2236</u>
	Sub Total <u>2251</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. 68796

Well Name & No. Sharp Dressed Man #1 Test No. 3 Date 6-1-22
 Company Palomino Elevation 2753 KB 2743 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig Murfin 21
 Location: Sec. 16 Twp 14 Rge. 30 Co. Gove State KS

Interval Tested 3996 4085 Zone Tested Lansing - H-5
 Anchor Length 89 Drill Pipe Run 3745 Mud Wt. 9.2
 Top Packer Depth 3991 Drill Collars Run 241 Vis 55
 Bottom Packer Depth 3996 Wt. Pipe Run _____ WL 6.4
 Total Depth 4085 Chlorides 2000 ppm System LCM 3
 Blow Description FF: 1/4 blow built to 3/4.
FS: No return.
FF: No blow.
FS: No return.

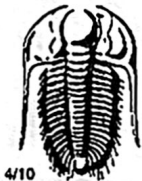
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 119 Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1962</u>	<input checked="" type="checkbox"/> Test 1950	T-On Location <u>1:45</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars 300	T-Started <u>2:25</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>4:29</u>
(D) Initial Shut-In <u>411</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>6:29</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:37</u>
(F) Second Final Flow <u>28</u>	<input checked="" type="checkbox"/> Mileage <u>102</u> - 151	Comments _____
(G) Final Shut-In <u>129</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1886</u>	<input type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
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>-350</u>
	<input type="checkbox"/> Accessibility _____	Total <u>2051</u>
	Sub Total <u>2401</u>	MP/DST Disc't _____

Approved By _____ Our Representative _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68100

Well Name & No. Sharp Dressed Man #1 Test No. 4 Date 06/02/2022
 Company Palomina Petroleum Elevation 2753 KB 2743 GL
 Address _____
 Co. Rep / Geo. Ryan Scib Rig Murphy 21
 Location: Sec. 16 Twp 14S Rge. 30W Co. Gove State KS

Interval Tested 4082 - 4170 Zone Tested LKC K-L
 Anchor Length 88 Drill Pipe Run 3838 Mud Wt. 9.1
 Top Packer Depth 4077 Drill Collars Run 241 Vis SB
 Bottom Packer Depth 4082 Wt. Pipe Run 0 WL 6.4
 Total Depth 4170 Chlorides 1200 ppm System LCM 2#

Blow Description IF 6 1/2" blow
ISI No return.
FF 5" blow
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>270</u>	<u>50cm</u>		<u>3</u>		<u>97</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 270 BHT 123 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2004</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>1930</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>2018</u>
(C) First Final Flow <u>82</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>2227</u>
(D) Initial Shut-In <u>971</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0030</u>
(E) Second Initial Flow <u>93</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0315</u>
(F) Second Final Flow <u>143</u>	<input checked="" type="checkbox"/> Mileage <u>151</u>	Comments _____
(G) Final Shut-In <u>937</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1957</u>	<input type="checkbox"/> Straddle _____	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input checked="" 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>2401</u>	Total <u>2401</u>

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68102

Well Name & No. Sharp Dressed Man #1 Test No. 5 Date 06/03/2022
 Company Palomino Petroleum Elevation 2753 KB 2743 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig Martin 21
 Location: Sec. 16 Twp 14s Rge. 30w Co. Gore State Ks

Interval Tested 4276-4340 Zone Tested Pawnee - Ayrre Station
 Anchor Length 64' Drill Pipe Run 4029 Mud Wt. 9.2
 Top Packer Depth 4271 Drill Collars Run 241 Vis 62
 Bottom Packer Depth 4276 Wt. Pipe Run Ø WL 2.0
 Total Depth 4340 Chlorides 1200 ppm System LCM 2#

Blow Description IF BOB @ 23 min - 12 1/2" block
ISI No return.
FF BOB @ 1# min 15 1/2" block
FST No return.

Rec	Feet of	%gas	%oil	%water	%mud
30	oil	100			
70	60cm	35	30		35
	140' GIP				

Rec Total 100 BHT 128 Gravity 36 API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>2179</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>1930</u>
(B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>2008</u>
(C) First Final Flow <u>51</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>2231</u>
(D) Initial Shut-In <u>846</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0031</u>
(E) Second Initial Flow <u>51</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0354</u>
(F) Second Final Flow <u>67</u>	<input checked="" type="checkbox"/> Mileage <u>151</u>	Comments _____
(G) Final Shut-In <u>812</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2082</u>	<input type="checkbox"/> Straddle _____	
	<input type="checkbox"/> Shale Packer _____	<input checked="" 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>2401</u>	Total <u>2401</u>

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68103

Well Name & No. Sharp Dressed Man #1 Test No. 6 Date 06/03/2022
 Company Palomino Petroleum Elevation 2753 KB 2743 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig Mofuzi
 Location: Sec. 16 Twp 14S Rge. 30W Co. Gove State Ks

Interval Tested 4336-4440 Zone Tested Johnson
 Anchor Length 104' Drill Pipe Run 4093 Mud Wt. 9.2
 Top Packer Depth 4331 Drill Collars Run 241 Vis 52
 Bottom Packer Depth 3336 Wt. Pipe Run 0 WL 8.0
 Total Depth 4440 Chlorides 2000 ppm System LCM 2#
 Blow Description IF BOB @ 8 min 32" blow
ISI 2 1/4" return.
FF BOB @ 11 min built to 30"
FSI 7 1/2" return.

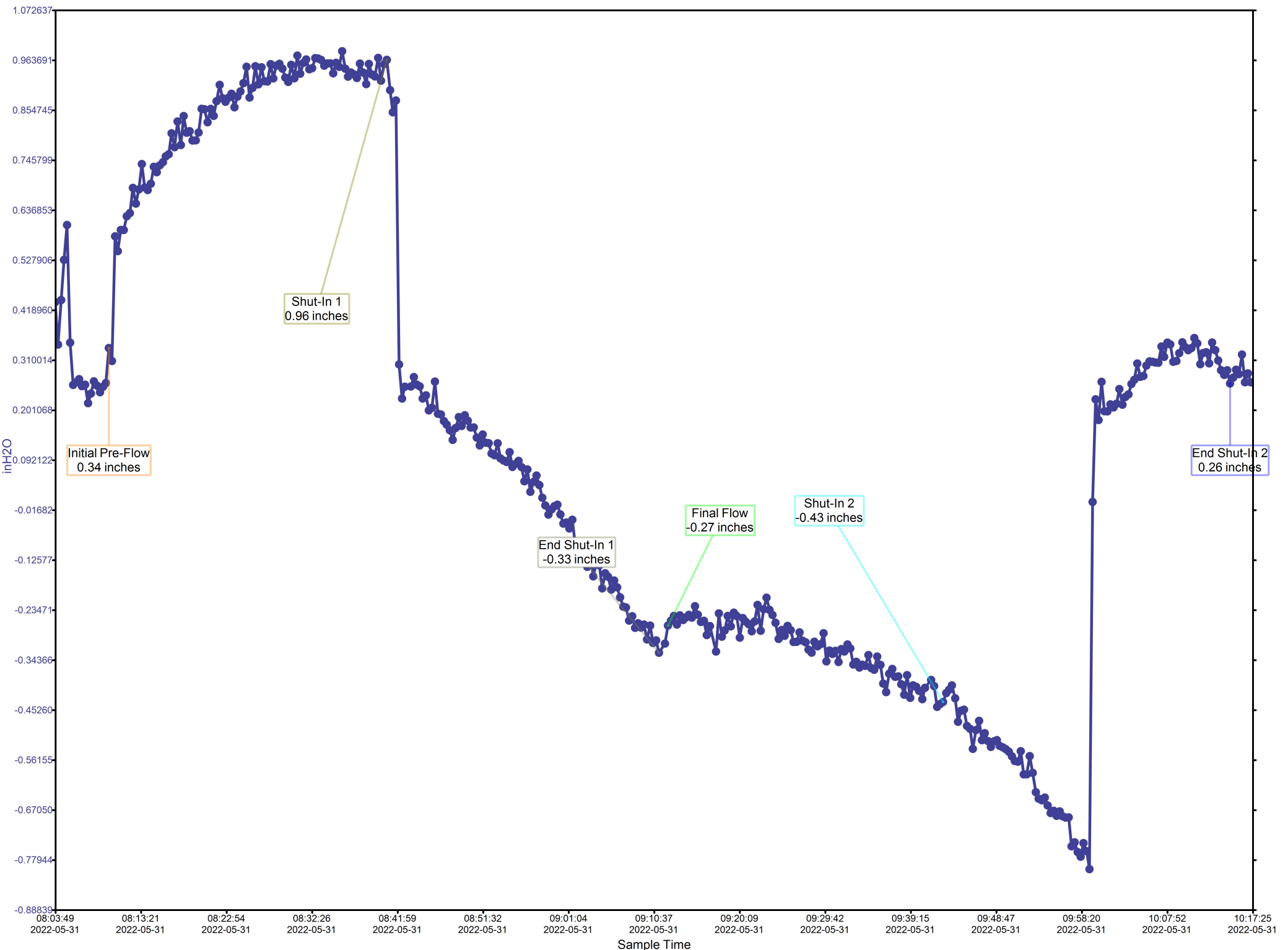
Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>120</u>	<u>6 mcd</u>	<u>30</u>	<u>45</u>	<u>25</u>	<u>0</u>
<u>120</u>	<u>60 cm</u>	<u>30</u>	<u>30</u>	<u>40</u>	<u>0</u>
<u>380'</u>	<u>GIP</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Rec Total 340 BHT 125 Gravity 27 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2209</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>1400</u>
(B) First Initial Flow <u>37</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>1433</u>
(C) First Final Flow <u>110</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>1649</u>
(D) Initial Shut-In <u>999</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1850</u>
(E) Second Initial Flow <u>130</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2206</u>
(F) Second Final Flow <u>154</u>	<input checked="" type="checkbox"/> Mileage <u>x2</u> <u>302</u>	Comments <u>Pu Tool</u>
(G) Final Shut-In <u>927</u>	<input type="checkbox"/> Sampler _____	<u>@ 1800 6/04</u>
(H) Final Hydrostatic <u>2080</u>	<input type="checkbox"/> Straddle _____	<input checked="" 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>2552</u>
	Sub Total <u>2552</u>	MP/DST Disc 1

Approved By _____ Our Representative [Signature]
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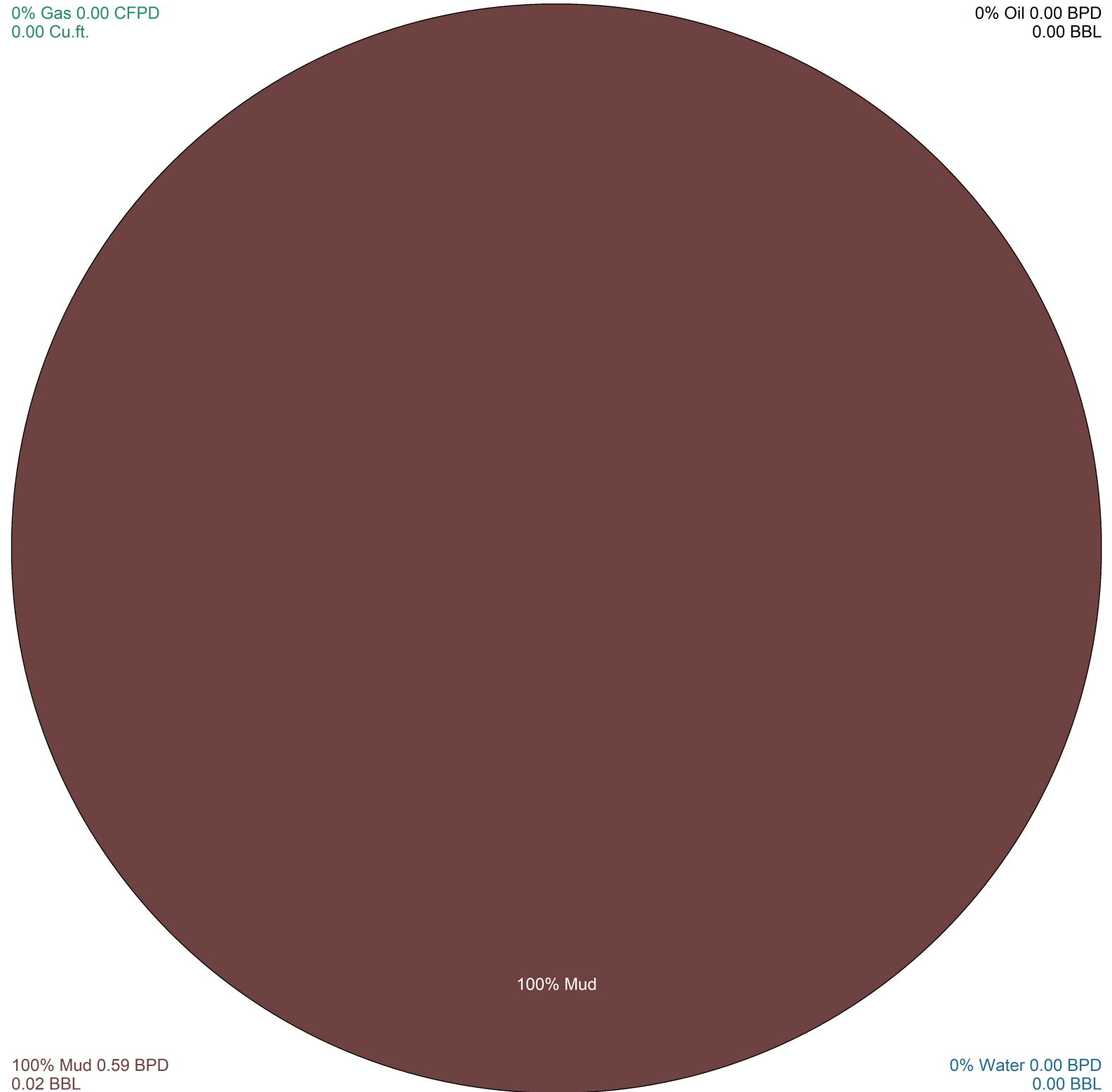
Palomino Petroleum - Sharp Dressed Man 1 - DST #2



Calculated Recovery Analysis - Palomino Petroleum - Sharp Dressed Man 1 - DST #2

0% Gas 0.00 CFPD
0.00 Cu.ft.

0% Oil 0.00 BPD
0.00 BBL



100% Mud

100% Mud 0.59 BPD
0.02 BBL

0% Water 0.00 BPD
0.00 BBL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino

16-14-30 Gove Ks

Sharp Dressed Man #1

Job Ticket: 68795

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.05.31 @ 05:28:28

GENERAL INFORMATION:

Formation: **Lansing D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:28

Time Test Ended: 12:01:28

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3916.00 ft (KB) To 3970.00 ft (KB) (TVD)

Reference Elevations: 2753.00 ft (KB)

Total Depth: 3970.00 ft (KB) (TVD)

2743.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Outside

Press@RunDepth: 33.80 psig @ 3917.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.31

End Date:

2022.05.31

Last Calib.:

2022.05.31

Start Time: 05:28:33

End Time:

12:01:27

Time On Btm:

2022.05.31 @ 08:10:58

Time Off Btm:

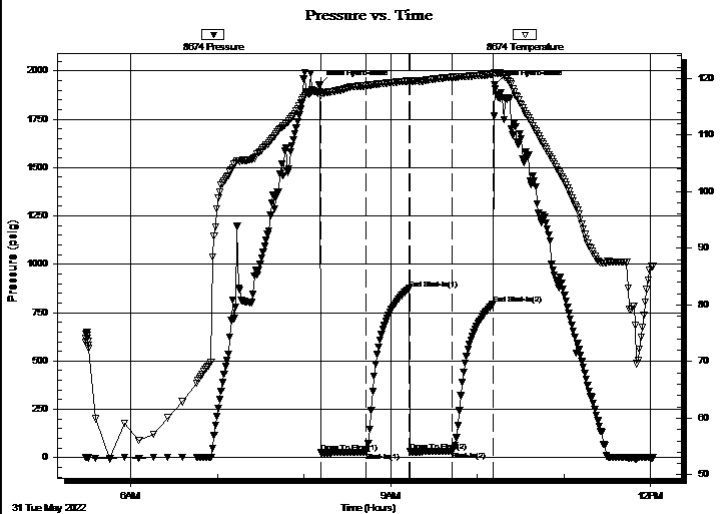
2022.05.31 @ 10:11:58

TEST COMMENT: IF: 1/4 blow built to 3/4.

IS: No return.

FF: No blow.

FS: No return. 30s



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1927.04	117.74	Initial Hydro-static
1	25.31	117.08	Open To Flow (1)
32	29.32	118.70	Shut-In(1)
62	874.76	119.57	End Shut-In(1)
63	30.68	119.42	Open To Flow (2)
92	33.80	120.22	Shut-In(2)
120	794.89	120.70	End Shut-In(2)
121	1928.58	120.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino

16-14-30 Gove Ks

Sharp Dressed Man #1

Job Ticket: 68795

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.05.31 @ 05:28:28

GENERAL INFORMATION:

Formation: **Lansing D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:28

Time Test Ended: 12:01:28

Interval: 3916.00 ft (KB) To 3970.00 ft (KB) (TVD)

Total Depth: 3970.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Reference Elevations: 2753.00 ft (KB)

2743.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8790

Inside

Press@RunDepth: psig @ 3917.00 ft (KB)

Start Date: 2022.05.31

End Date:

2022.05.31

Start Time: 05:28:17

End Time:

12:01:11

Capacity: 8000.00 psig

Last Calib.:

2022.05.31

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4 blow built to 3/4.

IS: No return.

FF: No blow.

FS: No return. 30s

PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino

16-14-30 Gove Ks

Sharp Dressed Man #1

Job Ticket: 68795

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.05.31 @ 05:28:28

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

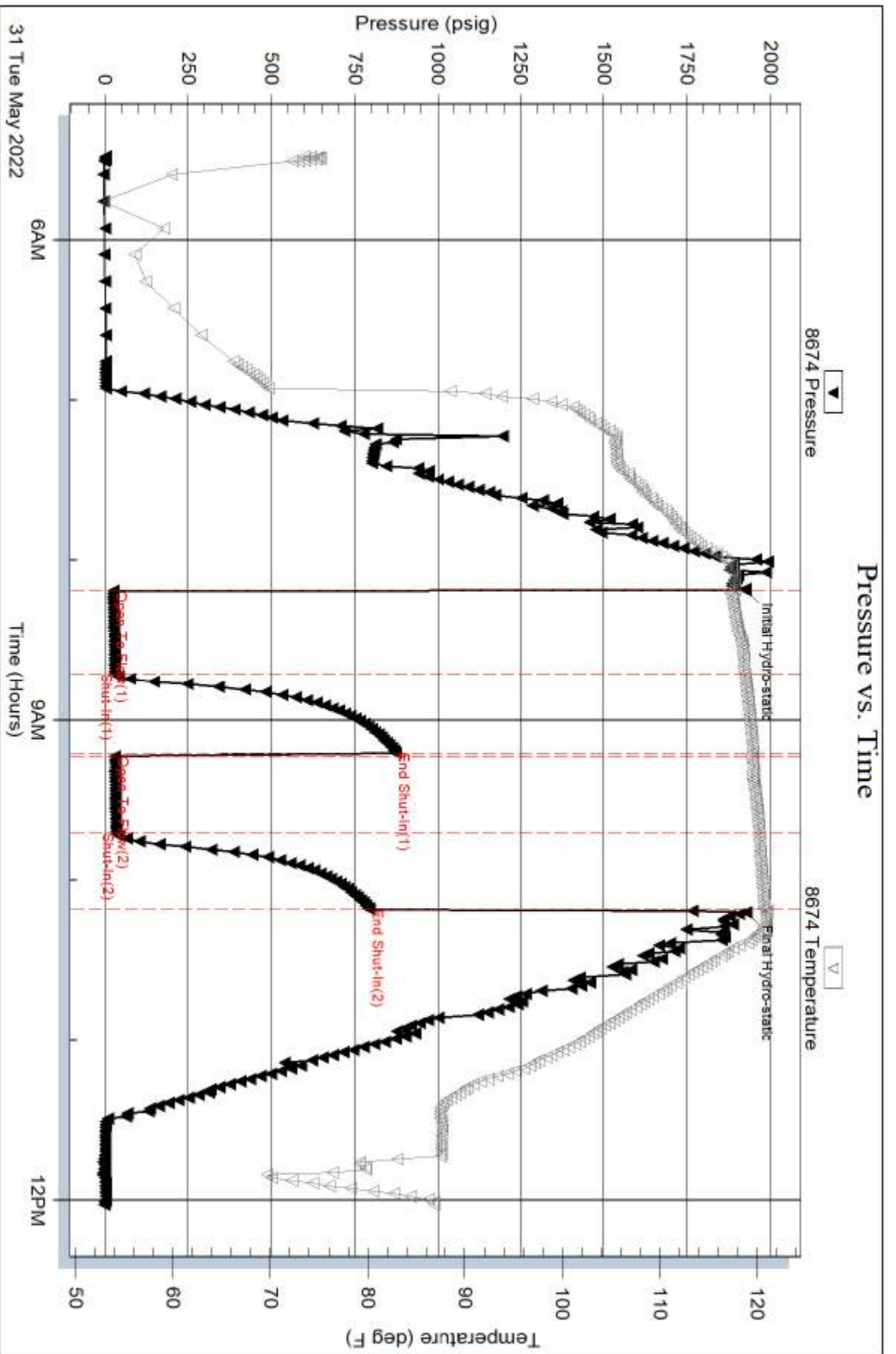
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



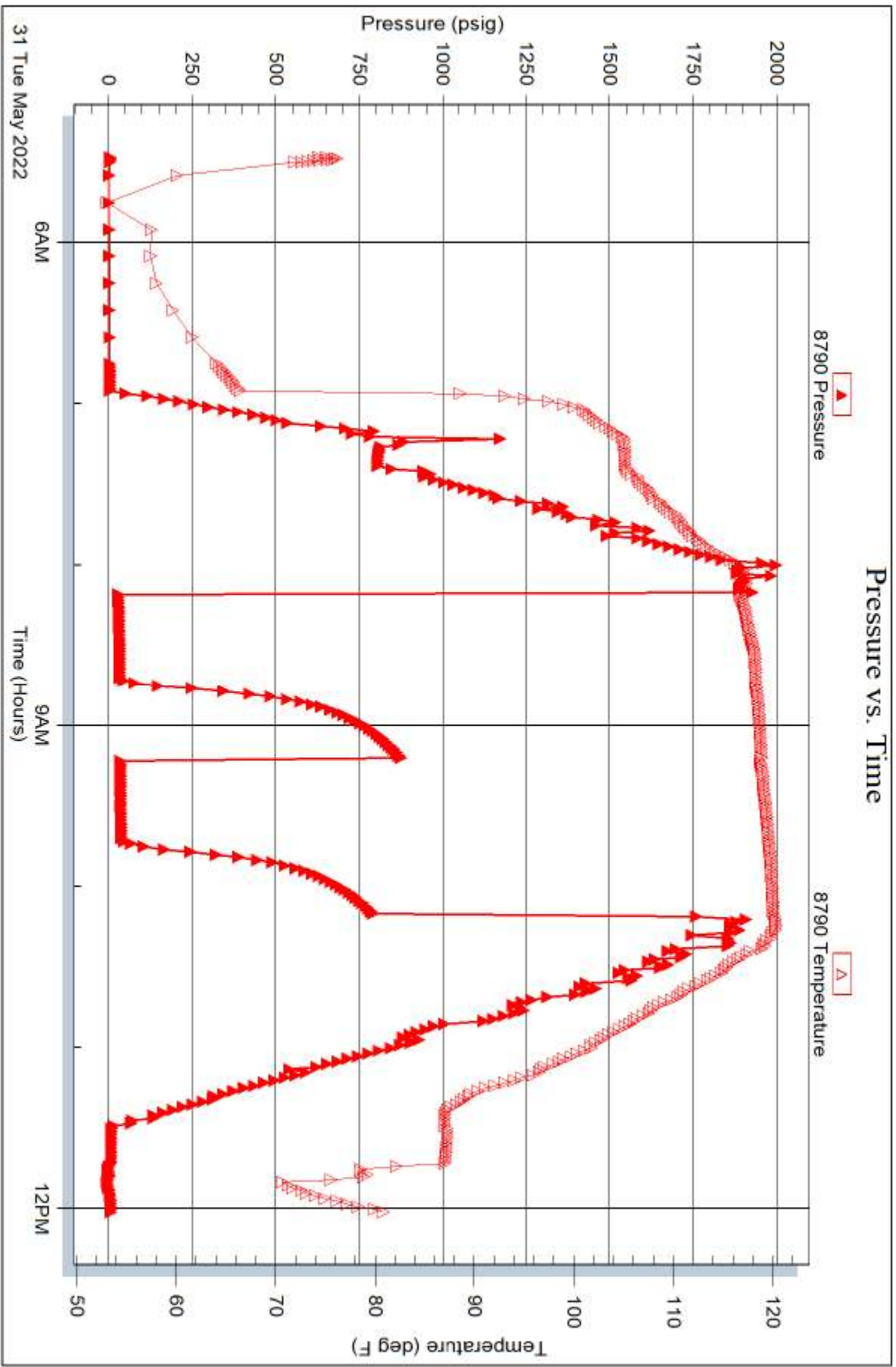
Serial #: 8790

Inside

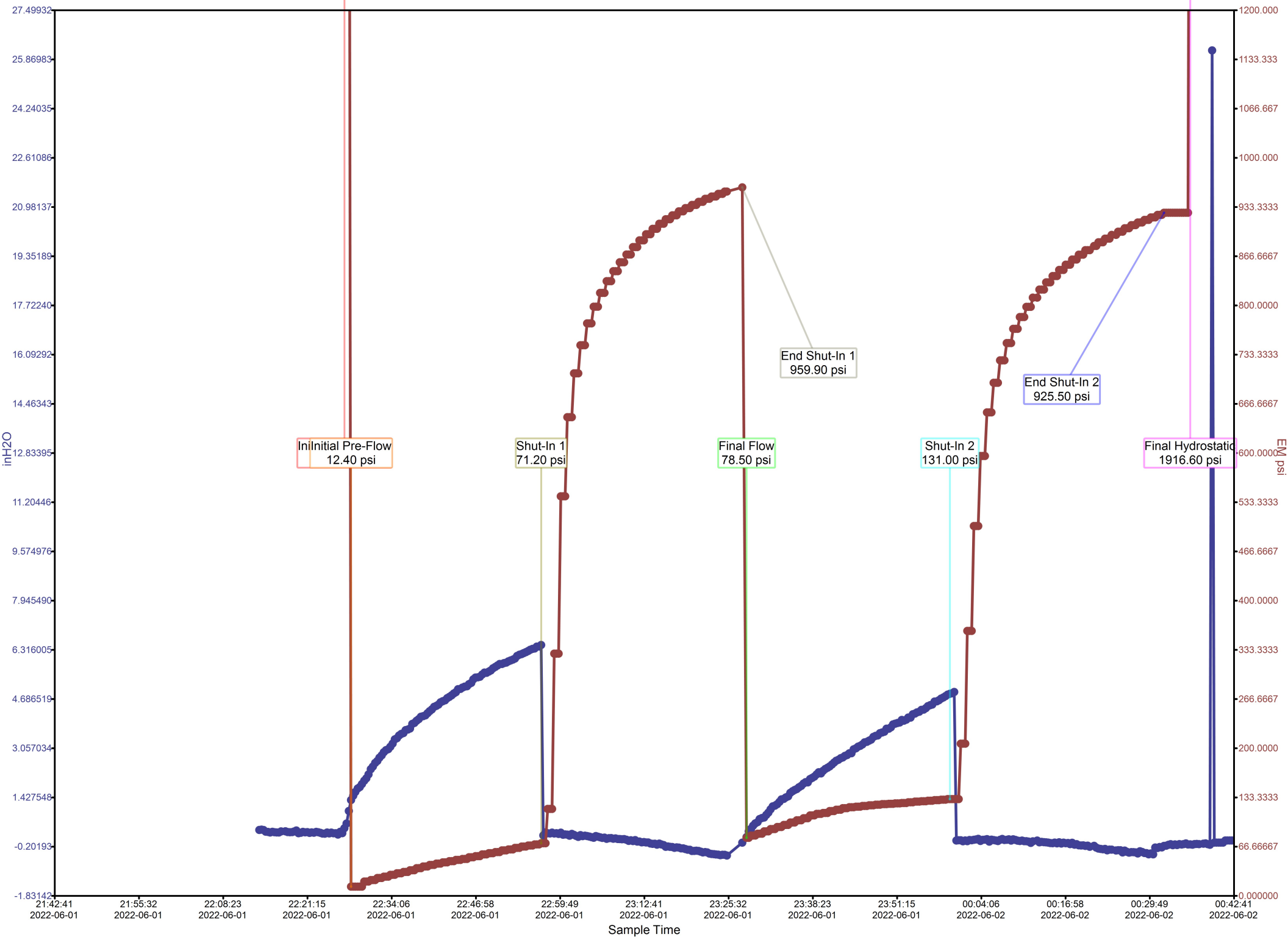
Palomino

Sharp Dressed Man #1

DST Test Number: 2



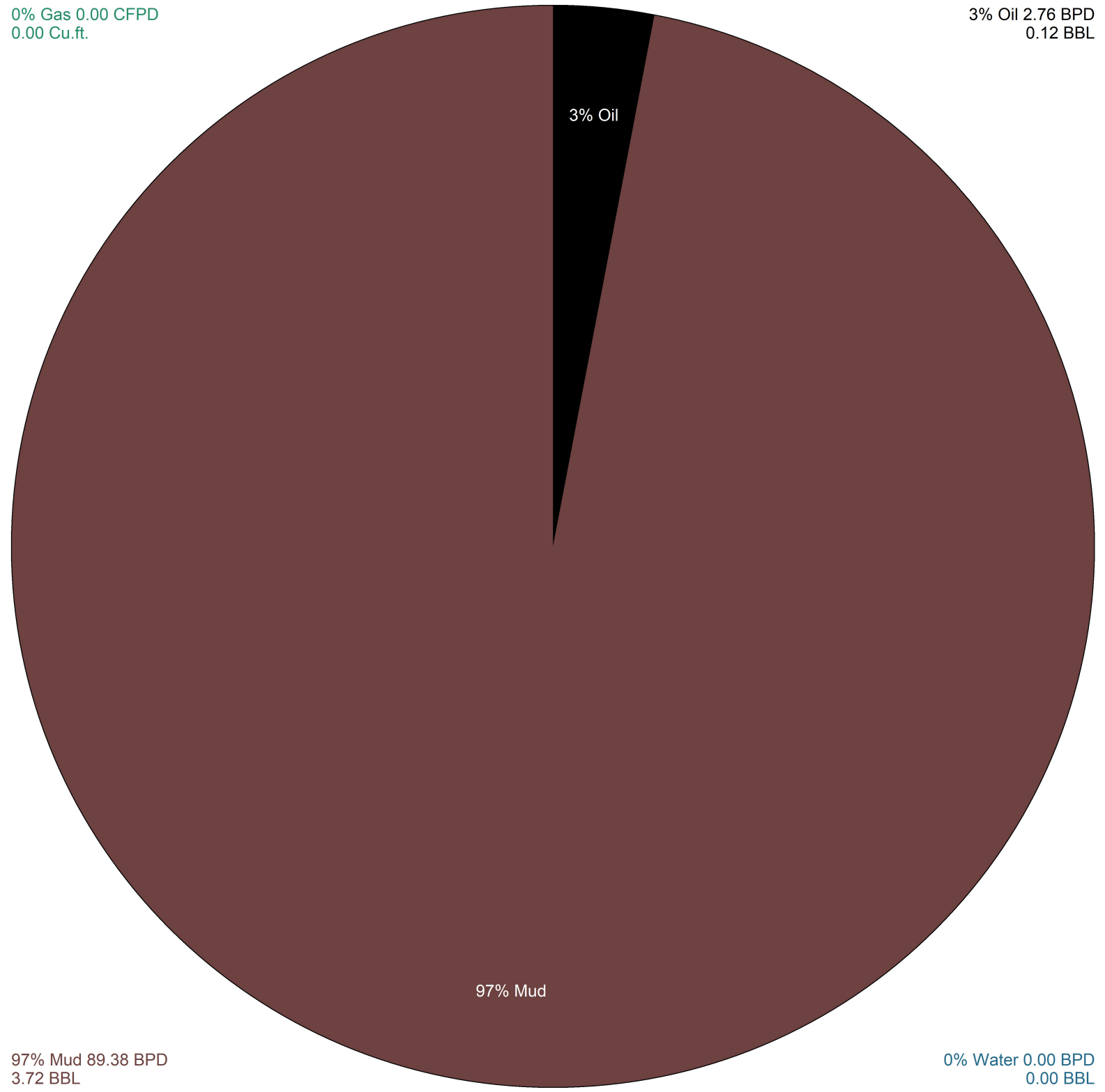
Palomino Petroleum - Sharp Dressed Man 1 - DST #4



Calculated Recovery Analysis - Palomino Petroleum - Sharp Dressed Man 1 - DST #4

0% Gas 0.00 CFPD
0.00 Cu.ft.

3% Oil 2.76 BPD
0.12 BBL



97% Mud

97% Mud 89.38 BPD
3.72 BBL

0% Water 0.00 BPD
0.00 BBL

3% Oil



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

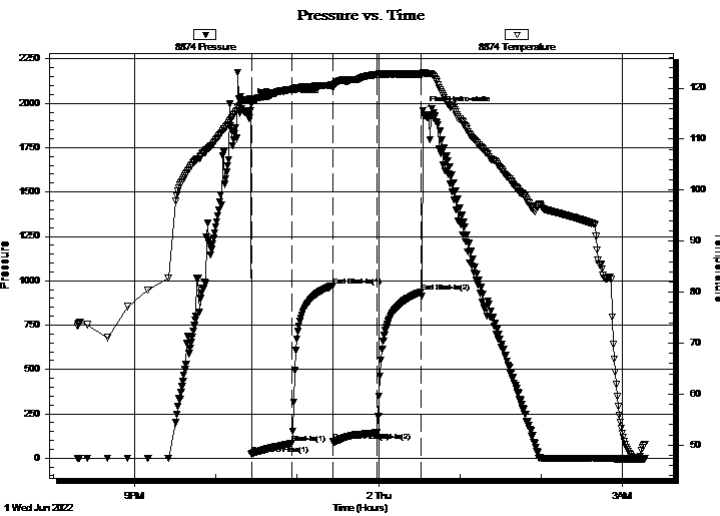
16-14-30 Gove Ks
Sharp Dressed Man #1
Job Ticket: 68100 **DST#: 4**
Test Start: 2022.06.01 @ 20:18:00

GENERAL INFORMATION:

Formation: **LKC K-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:26:15
Time Test Ended: 03:16:15
Interval: **4082.00 ft (KB) To 4170.00 ft (KB) (TVD)**
Total Depth: 4170.00 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: 2753.00 ft (KB)
2743.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8874 Outside
Press@RunDepth: 143.86 psig @ 4083.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.06.01 End Date: 2022.06.02 Last Calib.: 2022.06.02
Start Time: 20:18:05 End Time: 03:16:14 Time On Btm: 2022.06.01 @ 22:26:00
Time Off Btm: 2022.06.02 @ 00:32:45

TEST COMMENT: IF: 6 1/2" blow .
IS: No return,
FF: 5" blow .
FS: No return 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2004.56	117.89	Initial Hydro-static
1	22.62	116.97	Open To Flow (1)
30	82.88	119.73	Shut-In(1)
60	971.02	120.57	End Shut-In(1)
61	93.57	120.02	Open To Flow (2)
93	143.86	122.64	Shut-In(2)
126	937.95	122.77	End Shut-In(2)
127	1957.67	123.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	socm 3o 97m	1.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino
4924 SE 84th St
New ton, KS 67114

ATTN: Ryan Seib

16-14-30 Gove Ks
Sharp Dressed Man #1
Job Ticket: 68100 **DST#: 4**
Test Start: 2022.06.01 @ 20:18:00

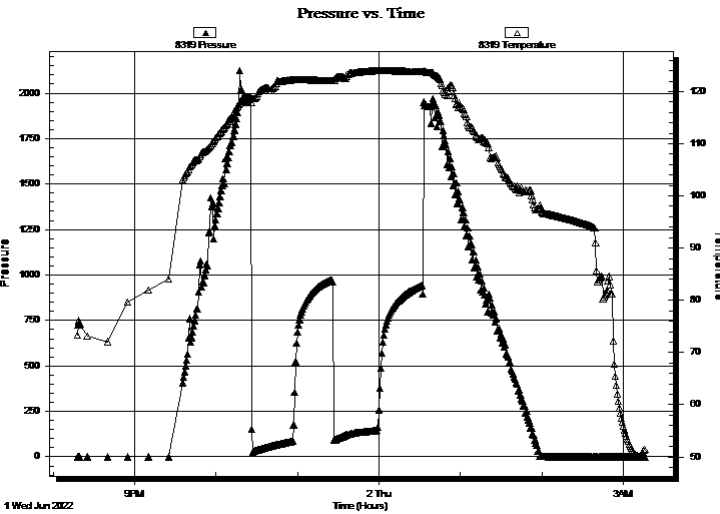
GENERAL INFORMATION:

Formation: LKC K-L	Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 22:26:15	Time Test Ended: 03:16:15	Tester: Bradley Walter
Interval: 4082.00 ft (KB) To 4170.00 ft (KB) (TVD)	Total Depth: 4170.00 ft (KB) (TVD)	Unit No: 78
Hole Diameter: 7.88 inches	Hole Condition: Good	Reference Elevations: 2753.00 ft (KB) 2743.00 ft (CF) KB to GR/CF: 10.00 ft

Serial #: 8319 Inside

Press@RunDepth: psig @ 4083.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2022.06.01 End Date: 2022.06.02	Last Calib.: 1899.12.30
Start Time: 20:18:05 End Time: 03:16:14	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: 6 1/2" blow .
IS: No return,
FF: 5" blow .
FS: No return 30-30-30-30



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
270.00	socm 3o 97m	1.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-14-30 Gove Ks
Sharp Dressed Man #1
Job Ticket: 68100 **DST#: 4**
Test Start: 2022.06.01 @ 20:18:00

Mud and Cushion Information

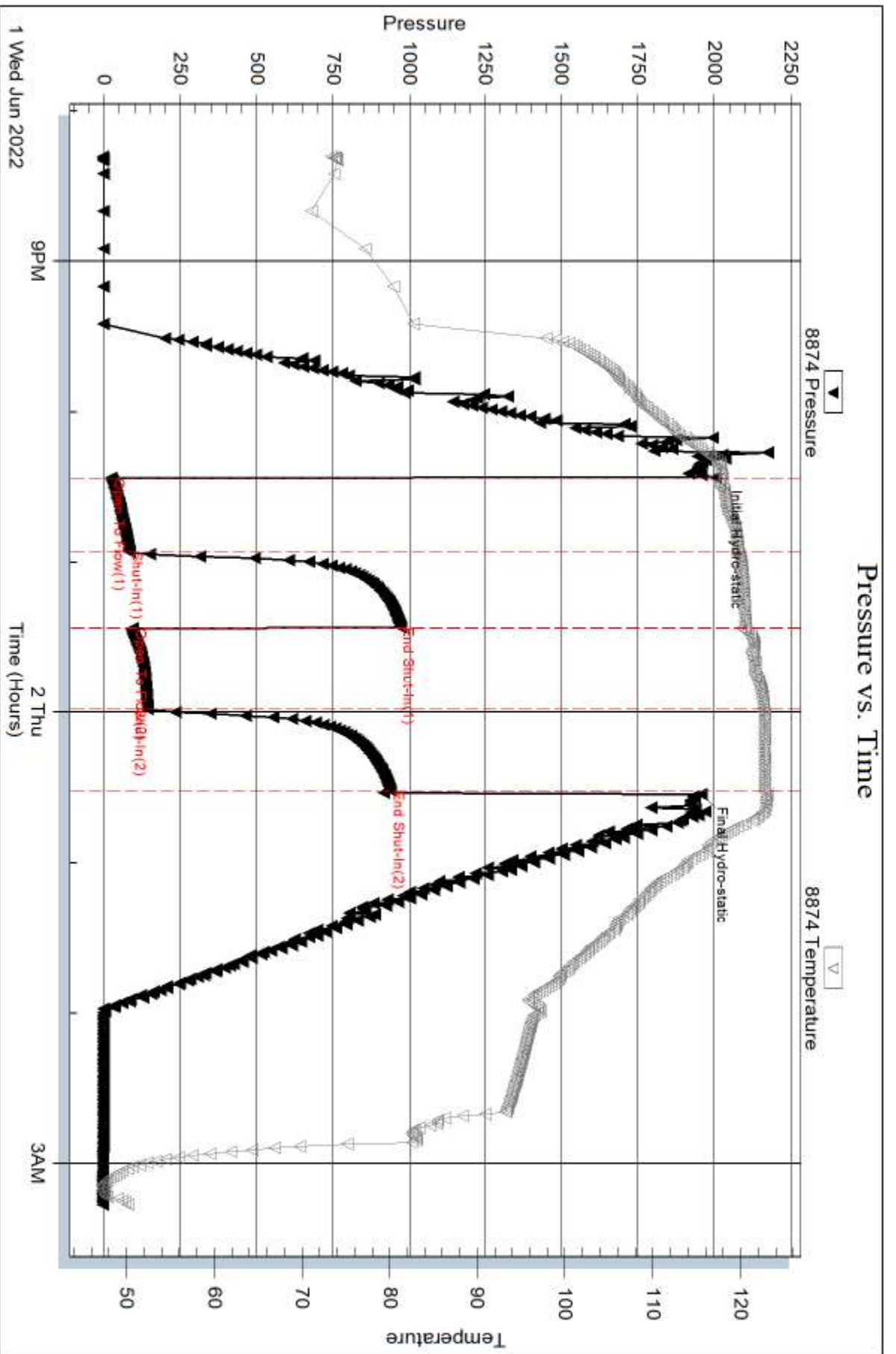
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.20 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	socm 3o 97m	1.592

Total Length: 270.00 ft Total Volume: 1.592 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



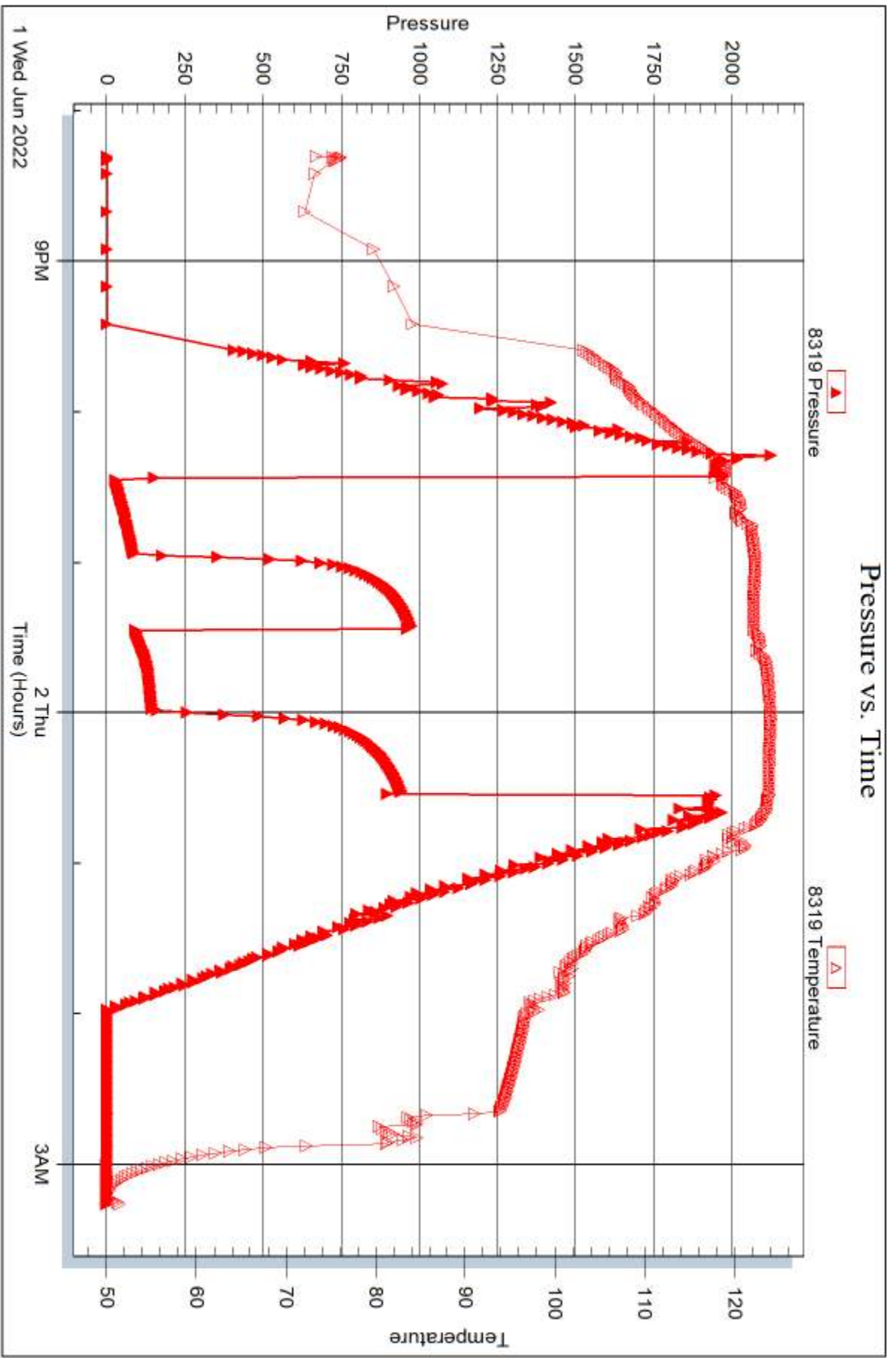
Serial #: 8319

Inside

Palomino

Sharp Dressed Man #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 68100

Printed: 2022.06.02 @ 07:21:39

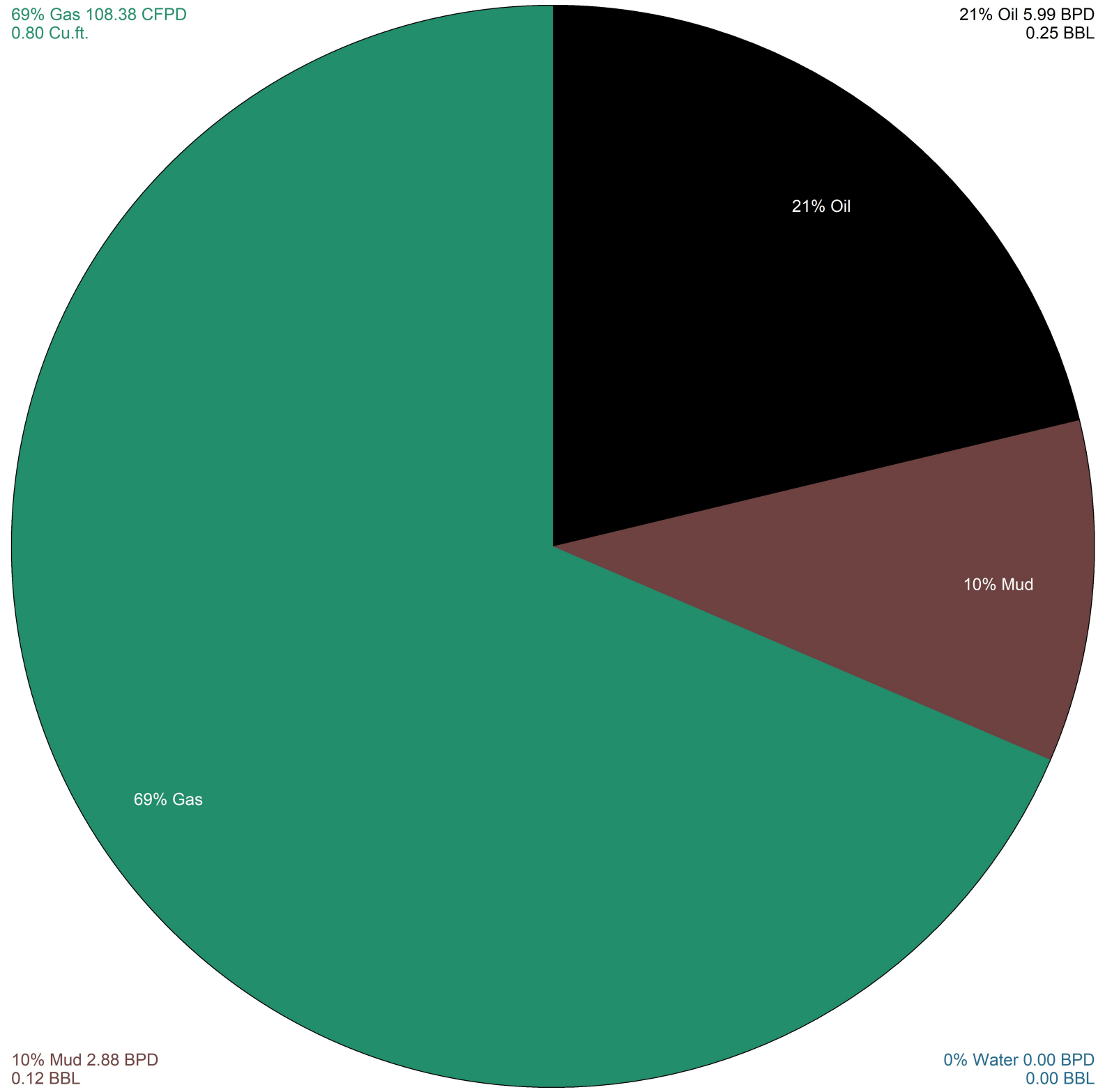
Calculated Recovery Analysis - Palomino Petroleum - Sharp Dressed Man 1 - DST #5

69% Gas 108.38 CFPD
0.80 Cu.ft.

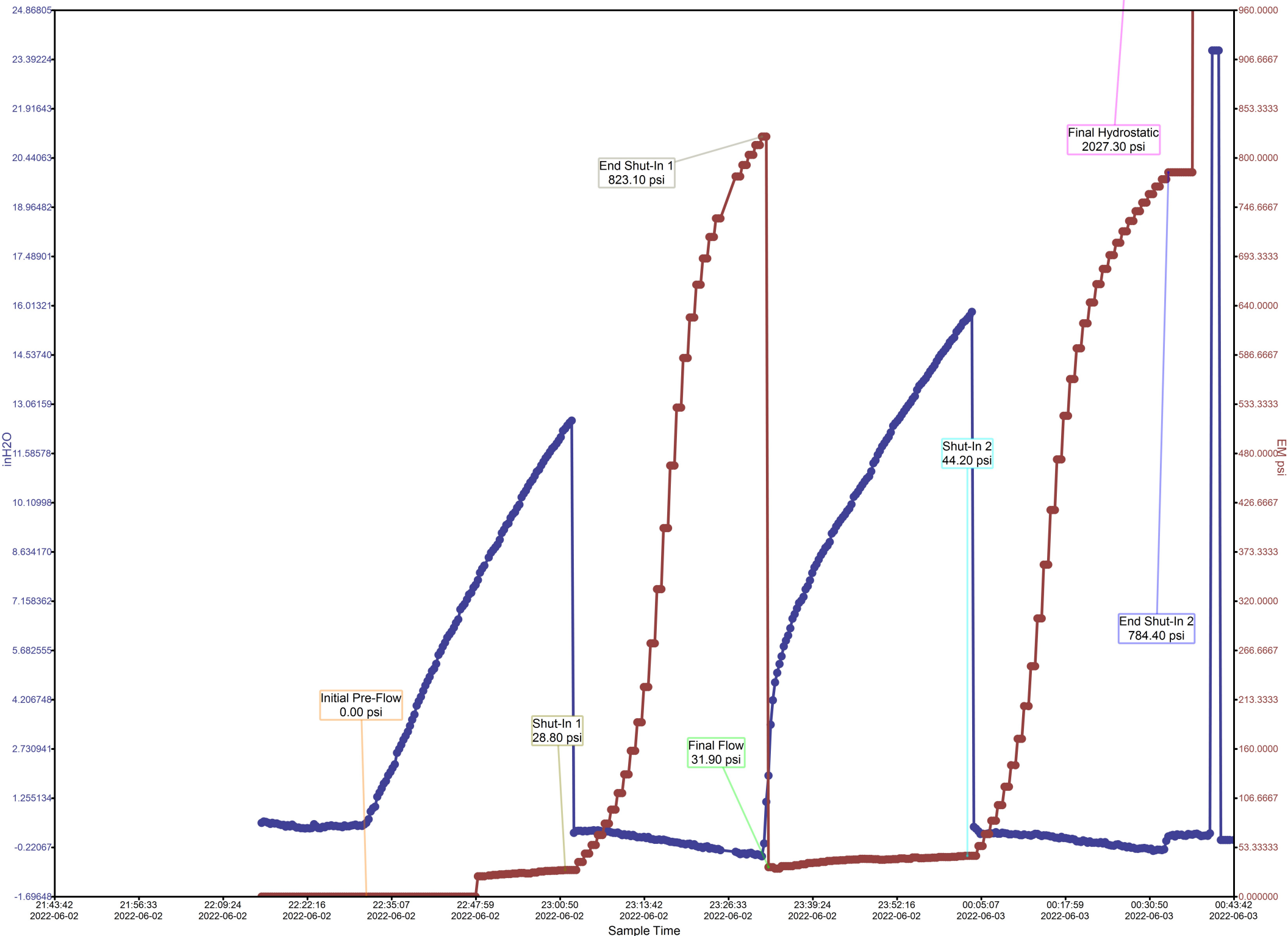
21% Oil 5.99 BPD
0.25 BBL

10% Mud 2.88 BPD
0.12 BBL

0% Water 0.00 BPD
0.00 BBL



Palomino Petroleum - Sharp Dressed Man 1 - DST #5





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

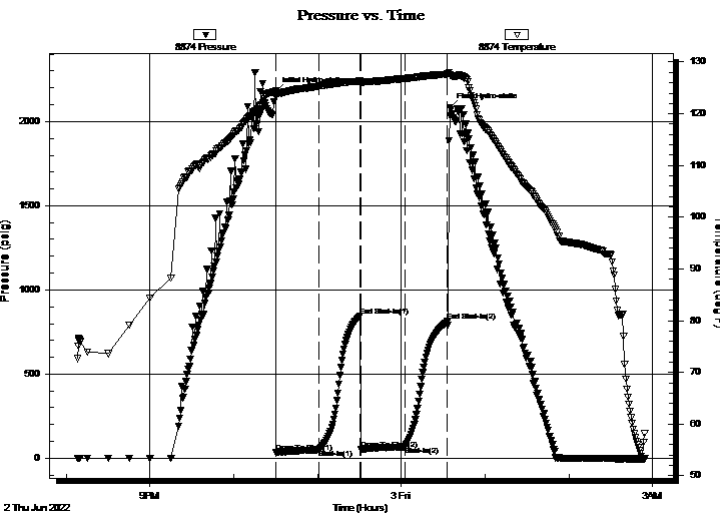
16-14-30 Gove Ks
Sharp Dressed Man #1
Job Ticket: 68102 **DST#: 5**
Test Start: 2022.06.02 @ 20:08:00

GENERAL INFORMATION:

Formation: **Pawnee Myric Station**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:30:15
Time Test Ended: 02:54:45
Interval: **4276.00 ft (KB) To 4340.00 ft (KB) (TVD)**
Total Depth: 4340.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2753.00 ft (KB)
2743.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8874 Outside
Press@RunDepth: 67.95 psig @ 4277.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.06.02 End Date: 2022.06.03 Last Calib.: 2022.06.03
Start Time: 20:08:05 End Time: 02:54:44 Time On Btm: 2022.06.02 @ 22:30:00
Time Off Btm: 2022.06.03 @ 00:35:00

TEST COMMENT: IF: BOB @ 23 min- 12 1/2" blow .
IS: No return.
FF: BOB @ 14 min 15 1/2" blow .
FS: No return, 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.64	124.36	Initial Hydro-static
1	33.28	123.52	Open To Flow (1)
31	51.41	125.36	Shut-In(1)
61	846.78	126.31	End Shut-In(1)
61	51.47	126.13	Open To Flow (2)
93	67.95	126.80	Shut-In(2)
123	812.59	127.65	End Shut-In(2)
125	2082.06	127.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	gocm 35g 30o 30m	0.34
30.00	oil 100o	0.15
0.00	140 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino
 4924 SE 84th St
 Newton, KS 67114
 ATTN: Ryan Seib

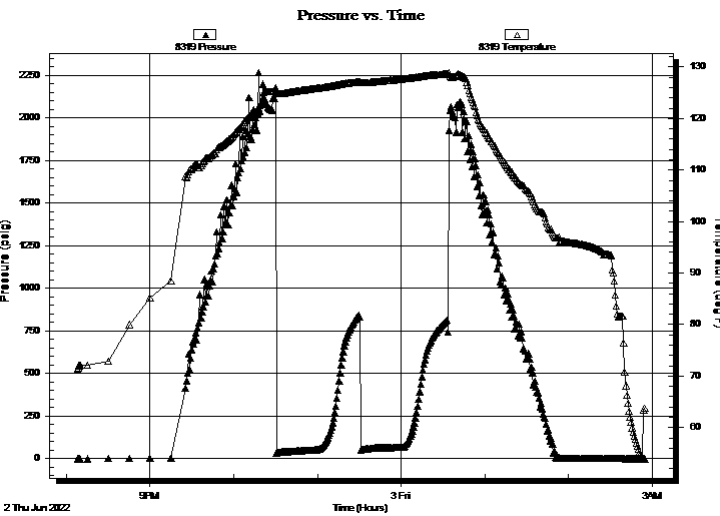
16-14-30 Gove Ks
Sharp Dressed Man #1
 Job Ticket: 68102 **DST#: 5**
 Test Start: 2022.06.02 @ 20:08:00

GENERAL INFORMATION:

Formation: **Pawnee Myric Station**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 22:30:15 Tester: Brandon Turley
 Time Test Ended: 02:54:45 Unit No: 79
 Interval: **4276.00 ft (KB) To 4340.00 ft (KB) (TVD)** Reference Elevations: 2753.00 ft (KB)
 Total Depth: 4340.00 ft (KB) (TVD) 2743.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8319 Inside
 Press@RunDepth: psig @ 4277.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.02 End Date: 2022.06.03 Last Calib.: 2022.06.03
 Start Time: 20:08:05 End Time: 02:54:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB @ 23 min- 12 1/2" blow .
 IS: No return.
 FF: BOB @ 14 min 15 1/2" 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	gocm 35g 30o 30m	0.34
30.00	oil 100o	0.15
0.00	140 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-14-30 Gove Ks
Sharp Dressed Man #1
Job Ticket: 68102 **DST#: 5**
Test Start: 2022.06.02 @ 20:08:00

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: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1500.00 ppm		
Filter Cake: 1.00 inches		

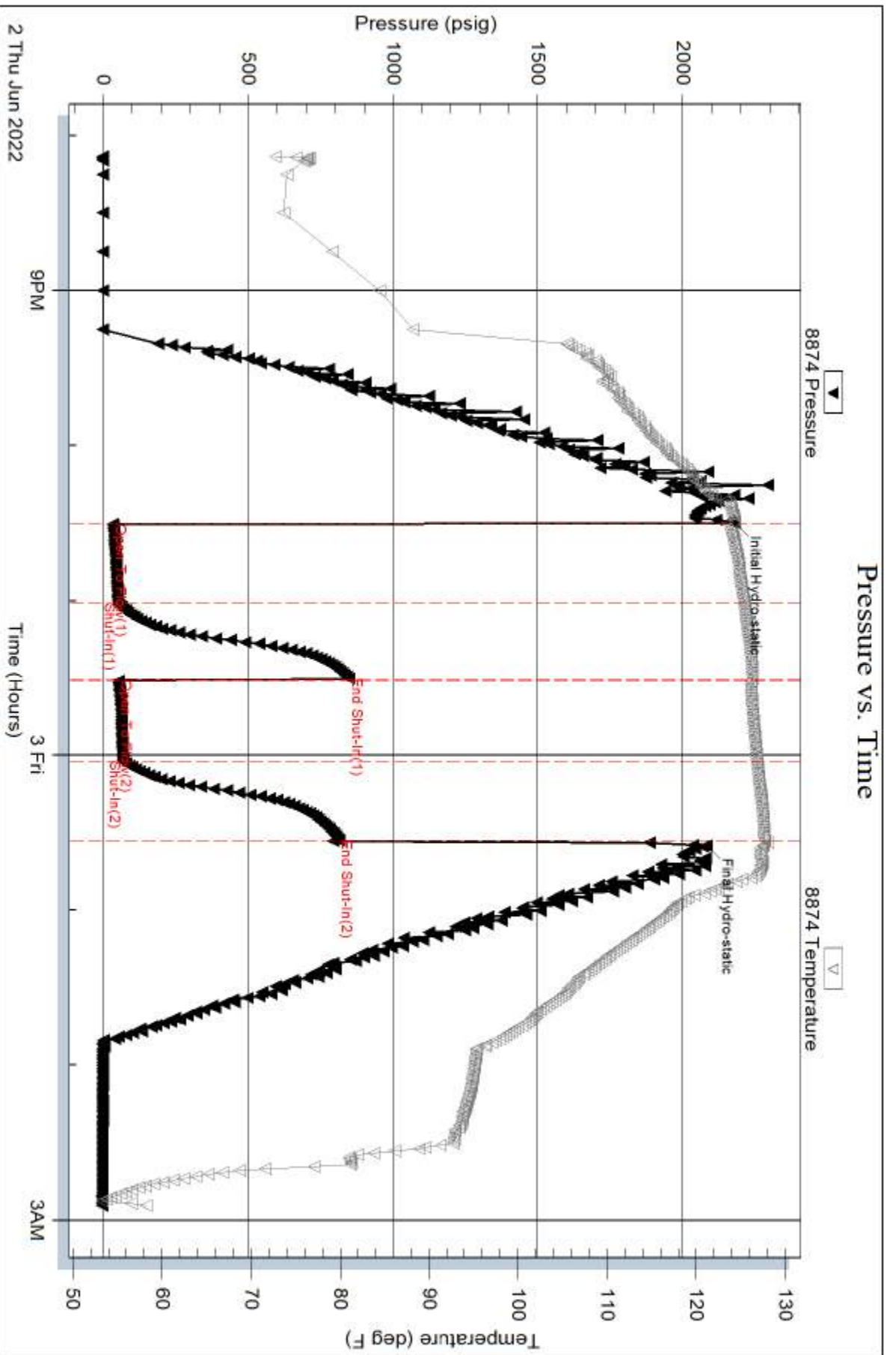
Recovery Information

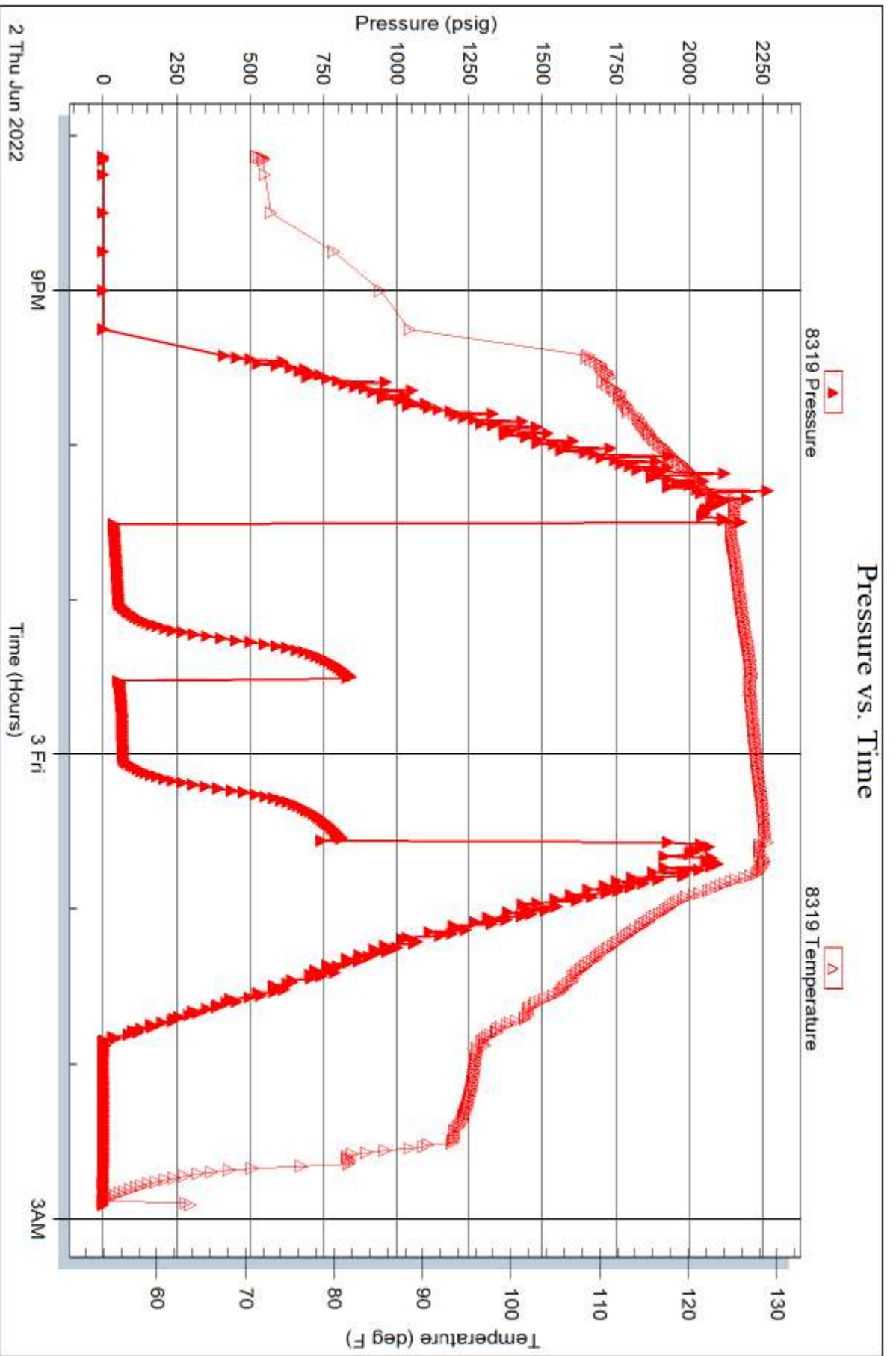
Recovery Table

Length ft	Description	Volume bbl
70.00	gocm 35g 30o 30m	0.344
30.00	oil 100o	0.148
0.00	140 GIP	0.000

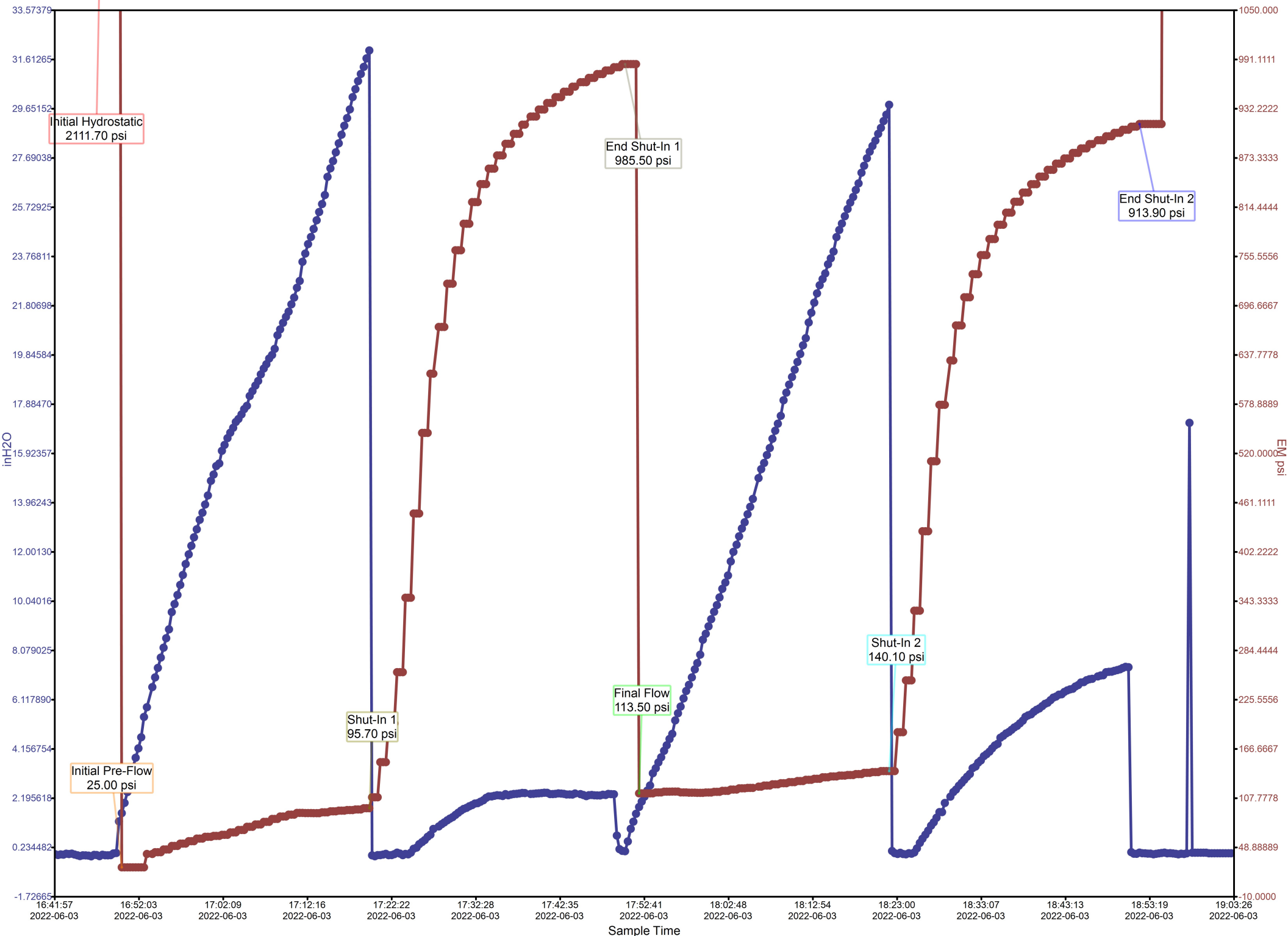
Total Length: 100.00 ft Total Volume: 0.492 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





Palomino Petroleum - Sharp Dressed Man 1 - DST #6



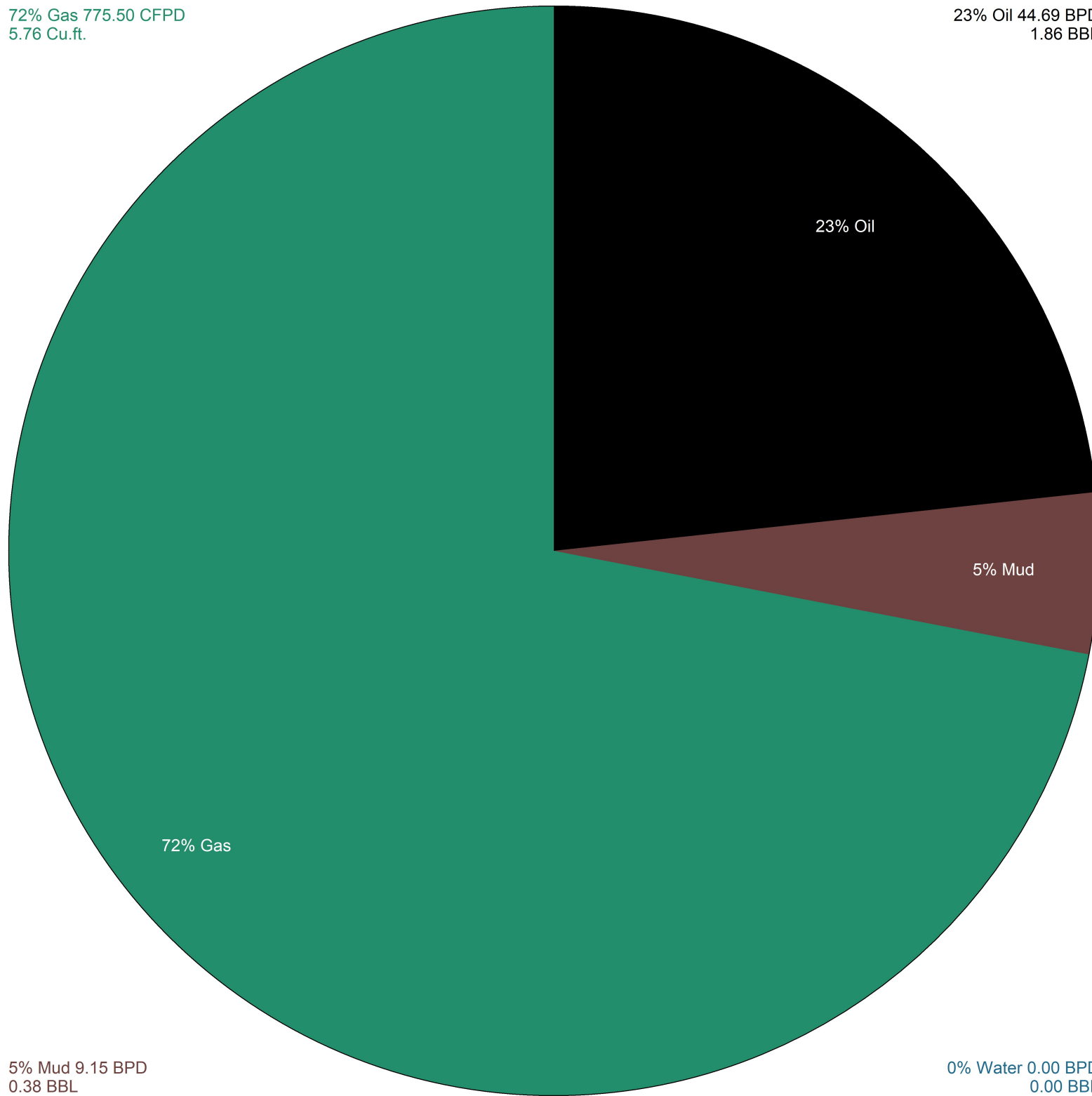
Calculated Recovery Analysis - Palomino Petroleum - Sharp Dressed Man 1 - DST #6

72% Gas 775.50 CFPD
5.76 Cu.ft.

23% Oil 44.69 BPD
1.86 BBL

5% Mud 9.15 BPD
0.38 BBL

0% Water 0.00 BPD
0.00 BBL





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-14-30 Gove Ks
Sharp Dressed Man #1
Job Ticket: 68103 **DST#: 6**
Test Start: 2022.06.03 @ 14:33:00

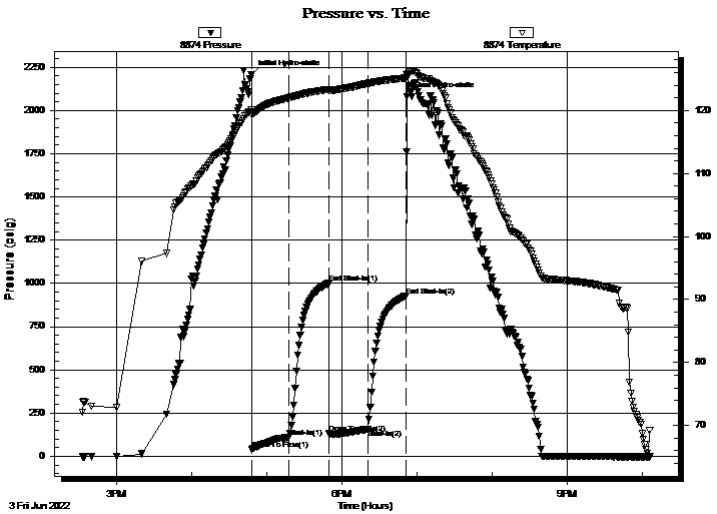
GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:48:15
Time Test Ended: 22:06:15
Interval: **4336.00 ft (KB) To 4440.00 ft (KB) (TVD)**
Total Depth: 4440.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2753.00 ft (KB)
2743.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8874 Outside
Press@RunDepth: 154.69 psig @ 4337.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.06.03 End Date: 2022.06.03 Last Calib.: 2022.06.03
Start Time: 14:33:05 End Time: 22:06:14 Time On Btm: 2022.06.03 @ 16:48:00
Time Off Btm: 2022.06.03 @ 18:52:15

TEST COMMENT: IF: BOB @ 8 min, built to 32"
IS: 2 1/4" return.
FF: BOB @ 11 min built to 30"
FS: 7 1/2" return,

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.30	120.07	Initial Hydro-static
1	37.61	119.30	Open To Flow (1)
30	110.08	122.00	Shut-In(1)
62	999.39	123.33	End Shut-In(1)
62	130.99	123.09	Open To Flow (2)
93	154.69	124.25	Shut-In(2)
124	927.86	125.14	End Shut-In(2)
125	2080.50	125.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 30g 30o 40m	0.59
120.00	gmco 30g 45o 25m	0.59
100.00	oil 100o	1.39
0.00	380' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

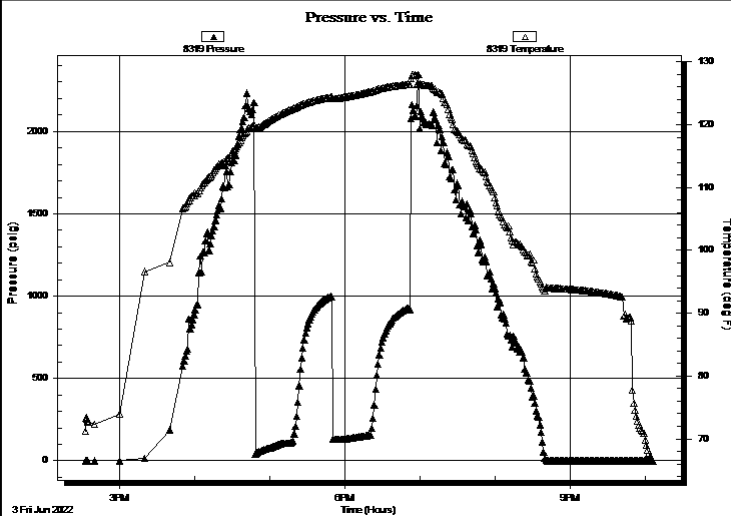
16-14-30 Gove Ks
Sharp Dressed Man #1
Job Ticket: 68103 **DST#: 6**
Test Start: 2022.06.03 @ 14:33:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:48:15
Time Test Ended: 22:06:15
Interval: 4336.00 ft (KB) To 4440.00 ft (KB) (TVD)
Total Depth: 4440.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2753.00 ft (KB)
2743.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8319 Inside
Press@RunDepth: psig @ 4337.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.06.03 End Date: 2022.06.03 Last Calib.: 1899.12.30
Start Time: 14:33:05 End Time: 22:06:14 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: BOB @ 8 min, built to 32"
IS: 2 1/4" return.
FF: BOB @ 11 min built to 30"
FS: 7 1/2" return,



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 30g 30o 40m	0.59
120.00	gmco 30g 45o 25m	0.59
100.00	oil 100o	1.39
0.00	380' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-14-30 Gove Ks
Sharp Dressed Man #1
Job Ticket: 68103 **DST#: 6**
Test Start: 2022.06.03 @ 14:33:00

Mud and Cushion Information

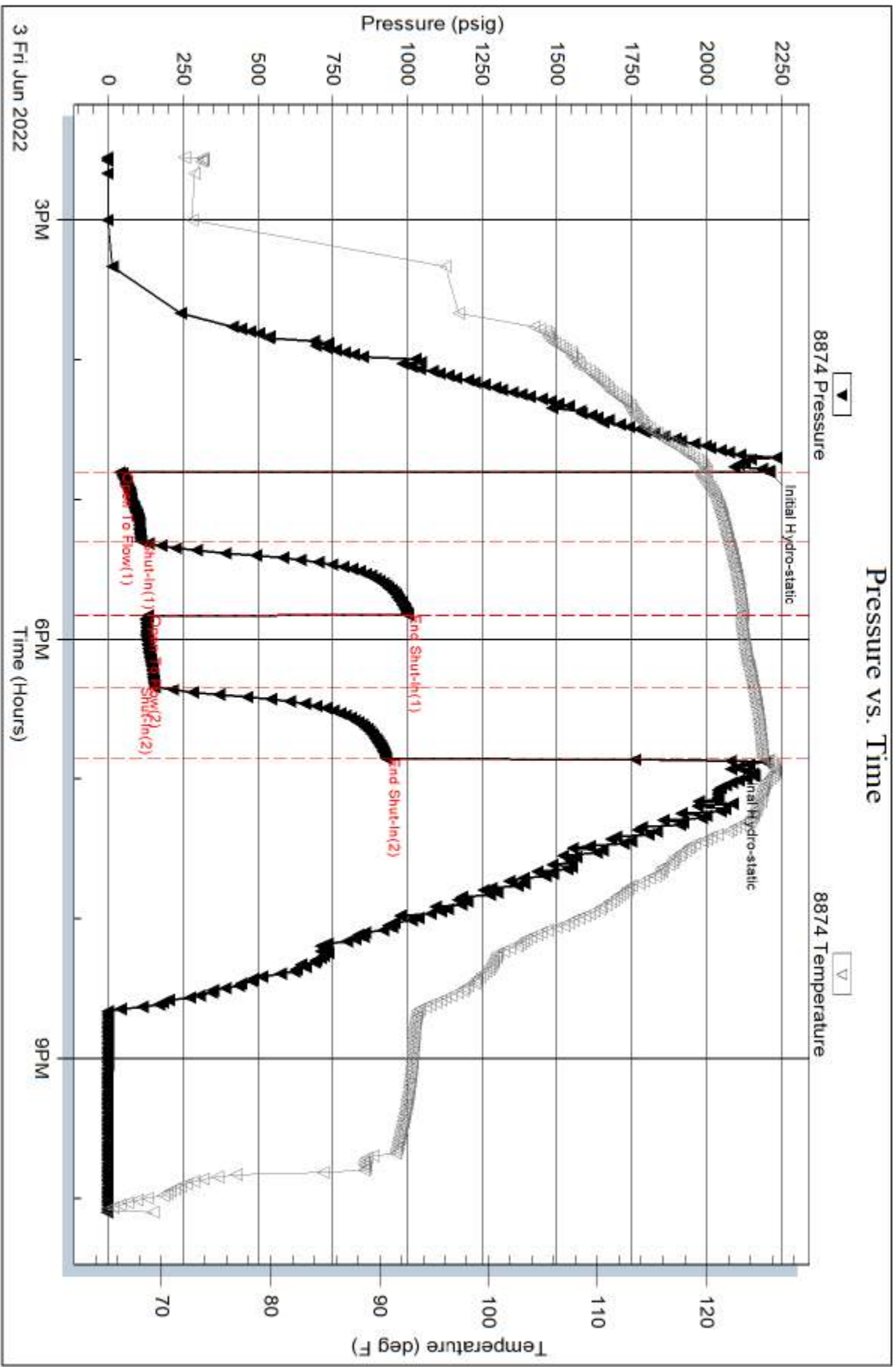
Mud Type: Gel Chem	Cushion Type:	Oil API: 27 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 30g 30o 40m	0.590
120.00	gmco 30g 45o 25m	0.590
100.00	oil 100o	1.394
0.00	380' GIP	0.000

Total Length: 340.00 ft Total Volume: 2.574 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



Serial #: 8319

Inside

Palomino

Sharp Dressed Man #1

DST Test Number: 6

