

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

**RECEIVED**  
NOV 23 2021  
BY: \_\_\_\_\_

Invoice Date: 11/2/2021  
Invoice #: 0356848  
Lease Name: Warpath  
Well #: 1 (New)  
County: Trego, Ks  
Job Number: WP2054  
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Depth Charge 0'-500'	1.000	900.000	900.00
Heavy Eq Mileage	70.000	3.600	252.00
Light Eq Mileage	70.000	1.800	126.00
Ton Mileage	617.400	1.350	833.49
H-325	180.000	18.000	3,240.00

*cement for surface  
11/2*

**Total** 5,351.49

**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		Warpath # 1	Date	11/2/2021
Service District	Oakley KS	County & State	Trego KS	Legals S/T/R	20-15S-25W
Job Type	Surface	<input checked="" 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 #					WP 2054

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
73	Josh	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Lockout/Tagout	<input checked="" type="checkbox"/> Warning Signs & Flagging
208	John	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input checked="" type="checkbox"/> Required Permits	<input checked="" type="checkbox"/> Fall Protection
205	Kale	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
73	Jimmie	<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	List Price/Unit	Gross Amount	Item Discount	Net Amount
D010	Depth Charge: 0'-500'	job	1.00				\$900.00
M010	Heavy Equipment Mileage	mi	70.00				\$252.00
M015	Light Equipment Mileage	mi	70.00				\$126.00
M020	Ton Mileage	tm	617.40				\$833.49
CP015	H-325	sack	180.00				\$3,240.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?				Gross:		Net:	\$5,351.49
				Total Taxable	\$ -	Tax Rate:	
Based on this job, how likely is it you would recommend HSI to a colleague?				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:	\$ -
<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"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely						Total:	\$ 5,351.49
				HSI Representative: <i>Josh Mosler</i>			

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

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

**CEMENT TREATMENT REPORT**

Customer:	Palomino Petroleum Inc	Well:	Warpath # 1	Ticket:	WP 2054
City, State:	Oakley KS	County:	Trego KS	Date:	11/2/2021
Field Rep:	Josh Mosier	S-T-R:	20-15S-25W	Service:	Surface

Downhole Information	
Hole Size:	12.25 in
Hole Depth:	211 ft
Casing Size:	8 5/8 in
Casing Depth:	211 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	12.2 bbls

Calculated Slurry - Lead	
Blend:	H- 325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	211 ft
Annular Volume:	15.5 bbls
Excess:	
Total Slurry:	45.2 bbls
Total Sacks:	180 sx

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

TIME	RATE	PSI	BBLs	STAGE	TOTAL BBLs	REMARKS
530P			-	-	-	GOT TO LOCATION
535P					-	SAFETY MEETING
540P					-	RIGGED UP TRUCKS
630P					-	LANDED CASING
640P					-	CIRCULATED HOLE
647P	3.0	150.0	5.0		5.0	PUMPED H2O AHEAD
649P	3.7	300.0	45.2		50.2	PUMPED 180 SKS OF H- 325 @ 211FT
702P	3.0		12.2		62.4	DISPLACED WITH H2O
706P					62.4	PLUG DOWN WITH 5 BBL TO PIT
708P					62.4	WASHED UP PUMP TRUCK
715P					62.4	RIGGED DOWN TRUCKS
730P						OFF LOCATION

	CREW	UNIT	SUMMARY		
			Average Rate	Average Pressure	Total Fluid
Cementer:	Josh	73	3.2 bpm	225 psi	62 bbls
Pump Operator:	John	208			
Bulk #1:	Kale	205			
Bulk #2:	Jimmie	73			

# Invoice



P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



DATE	INVOICE #
11/10/2021	33935

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	War Path	Trego	STP	Oil	Development	5 1/2 Longstring	Gideon

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	6.00	240.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString	1	Job	2,050.00	2,050.00
403-5	5 1/2" Cement Basket	4	Each	275.00	1,100.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer	14	Each	90.00	1,260.00T
281	Mud Flush	500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
325	Standard Cement	100	Sacks	14.50	1,450.00T
284	Calseal	5	Sack(s)	40.00	200.00T
283	Salt	500	Lb(s)	0.25	125.00T
285	CFR-1	50	Lb(s)	5.00	250.00T
276	Flocele	150	Lb(s)	3.00	450.00T
330	Swift Multi-Density Standard (MIDCON II)	450	Sacks	18.00	8,100.00T
290	D-Air	10	Gallon(s)	42.00	420.00T
581D	Service Charge Cement	550	Sacks	2.00	1,100.00
583D	Drayage	1,108	Ton Miles	1.00	1,108.00
	Subtotal				19,278.00
	Sales Tax Trego County			7.50%	1,108.50

*Approved by [Signature]*  
11/21

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$20,386.50
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CHARGE TO: Palomino Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET **33935**

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>WAR PATH</u>	COUNTY/PARISH <u>Trego</u>	STATE <u>KS</u>	CITY <u>Utica</u>	DATE <u>11-10-2021</u>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>STP</u>		RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3. WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long String 5 1/2"</u>		WELL PERMIT NO.	WELL LOCATION <u>Utica, 4-N, 2-E, 2-N</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS				WELL LOCATION <u>1/2-W, N-INTO</u>		

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE <u>Trk #112</u>		40	MI		6.00	240.00	
579		1			<u>Pump Charge - Top to Bottom</u>		1	job		2,050.00	2,050.00	
403		1			<u>Cement Basket</u>		5 1/2	IN	4	EA	275.00	1,100.00
406		1			<u>Latch down Plug + Baffle</u>		5 1/2	IN	1	EA	250.00	250.00
407		1			<u>INSERT FLOAT Shoe w/ Auto fill</u>		5 1/2	IN	1	EA	325.00	325.00
409		1			<u>Turbolizer</u>		5 1/2	IN	14	EA	90.00	1,260.00
281		1			<u>Mud Flush</u>				500	gal	1.50	750.00
221		1			<u>Liquid KCL</u>				4	gal	25.00	100.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X Randy Papp

DATE SIGNED 11-10-2021 TIME SIGNED 8:30  A.M.  P.M.

REMIT PAYMENT TO:  
  
SWIFT SERVICES, INC.  
P.O. BOX 466  
NESS CITY, KS 67560  
785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	1	6,075.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	13,203.00	
WE UNDERSTOOD AND MET YOUR NEEDS?				Total	19,278.00	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<u>STP</u>		
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TREGO		1,108.50
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL		20,386.50
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR Audrey Fuchs APPROVAL

Thank You!





PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 33935

CUSTOMER Palomino Petroleum WELL WAR Path DATE 11-10-2021 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M						
325		1				STANDARD CEMENT			100	skts			14.50	1450.00
284		1				Calscal			5	skts			40.00	200.00
283		1				SALT			500	lbs			0.25	125.00
285		1				CFR-1			50	gal			5.00	250.00
276		1				Flocate			150	lbs			3.00	450.00
330		1				Swift Multi density Cement			450	skts			18.00	8100.00
290		1				D-AIR			10	gal			42.00	420.00
581		1				SERVICE CHARGE							2.00	1100.00
583		1				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES					1.00	1108.00
							55,400	40						

CONTINUATION TOTAL 13203.00

JOB LOG

SWIFT Services, Inc.

DATE 11-10-2021 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palmino Petroleum		#1		WAR Path		Long String		33935	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1400							ON Location 5 1/2" 1416/ft RTD: 4.485' LTD: 4.479' TP: 4.467' Set @: 4.475' SJ: 42.55' out: *107, 108, 109, 110 Turbo: 1-10, 16, 28, 63, 97 Basket: 16, 28, 63, 97	
	1400 1615							Starts 5 1/2" 1416/ft Csg in well Drop Ball - Circulate	
	1730	4	12		✓	250		Pump 500 gal Mud Flush	
		4	5		✓	250		Pump 500 bbl KCL Spacer	
	<del>1735</del> 1735	1 1/2	10		✓	75		Plug RH [30]	
	1740	3	178		✓	200		Mix 320 sks of SMD @ 11.2 ppg	
		3	42		✓	200		Mix 100 sks of SMD @ 12.2 ppg	
		3	24		✓	200		Mix 100 sks of EA-2 @ 15.6 ppg	
	1910							Wash Pump + Lines Release Latch down Plug	
	1915	6 1/2	0		✓	300		Begin Displacement	
		6 1/2	42		✓	350		Life PSI	
		6 1/2	107		✓	1250		MAX Life PSI	
	1940	5 1/2	108.2		✓	2000		Land Latch down Plug - Release PSI	
	1945 2015							Wash up Trk # 112 Job Complete	
								450 sks of SMD [30 - RH] used 100 sks of EA-2 used * Approx 30 sks to the Pit *	
								Thanks! Gideon, Kurling, Isaac, Mark	





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, Ks 67114  
ATTN: Ryan Sieb

**20-15s-25w Trego, Ks**

**Warpath #1**

Job Ticket: 67682

**DST#: 1**

Test Start: 2021.11.07 @ 16:20:18

## GENERAL INFORMATION:

Formation: **Lansing J-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:42:48

Time Test Ended: 22:32:48

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

**Interval: 4000.00 ft (KB) To 4080.00 ft (KB) (TVD)**

Reference Elevations: 2447.00 ft (KB)

Total Depth: 4080.00 ft (KB) (TVD)

2440.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8674**

**Outside**

Press@RunDepth: 35.02 psig @ 4001.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.07 End Date: 2021.11.07

Last Calib.: 2021.11.07

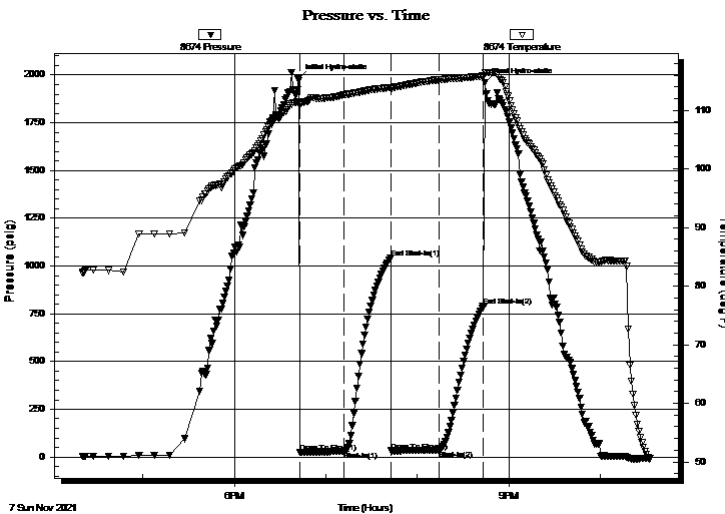
Start Time: 16:20:23 End Time: 22:32:47

Time On Btm: 2021.11.07 @ 18:41:48

Time Off Btm: 2021.11.07 @ 20:44:18

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

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.14	111.48	Initial Hydro-static
1	25.00	111.03	Open To Flow (1)
30	29.32	112.67	Shut-In(1)
61	1043.23	113.89	End Shut-In(1)
61	31.97	113.62	Open To Flow (2)
92	35.02	115.22	Shut-In(2)
121	788.77	115.84	End Shut-In(2)
123	1962.17	116.39	Final Hydro-static

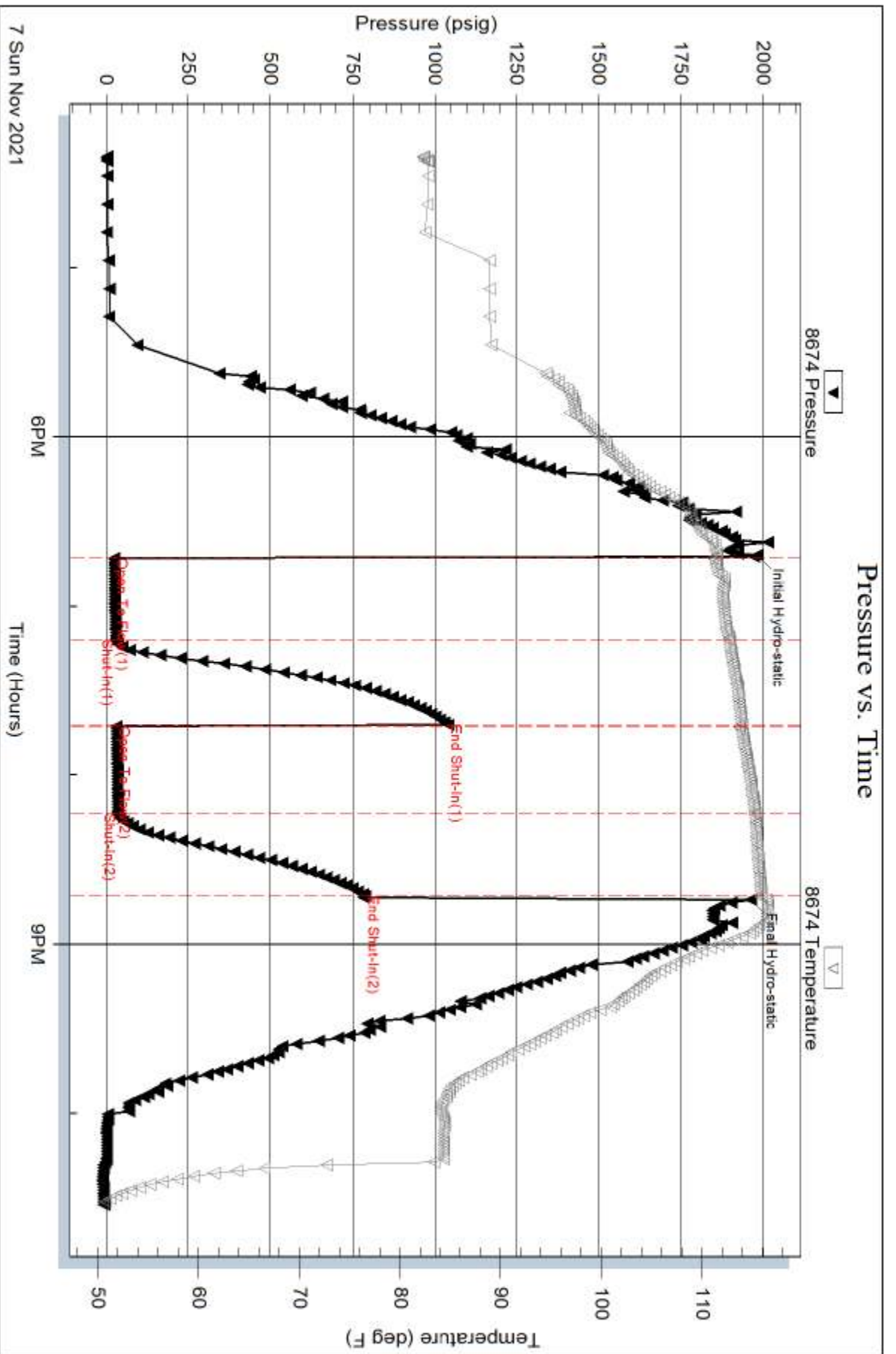
## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100%m	0.10

## Gas Rates

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





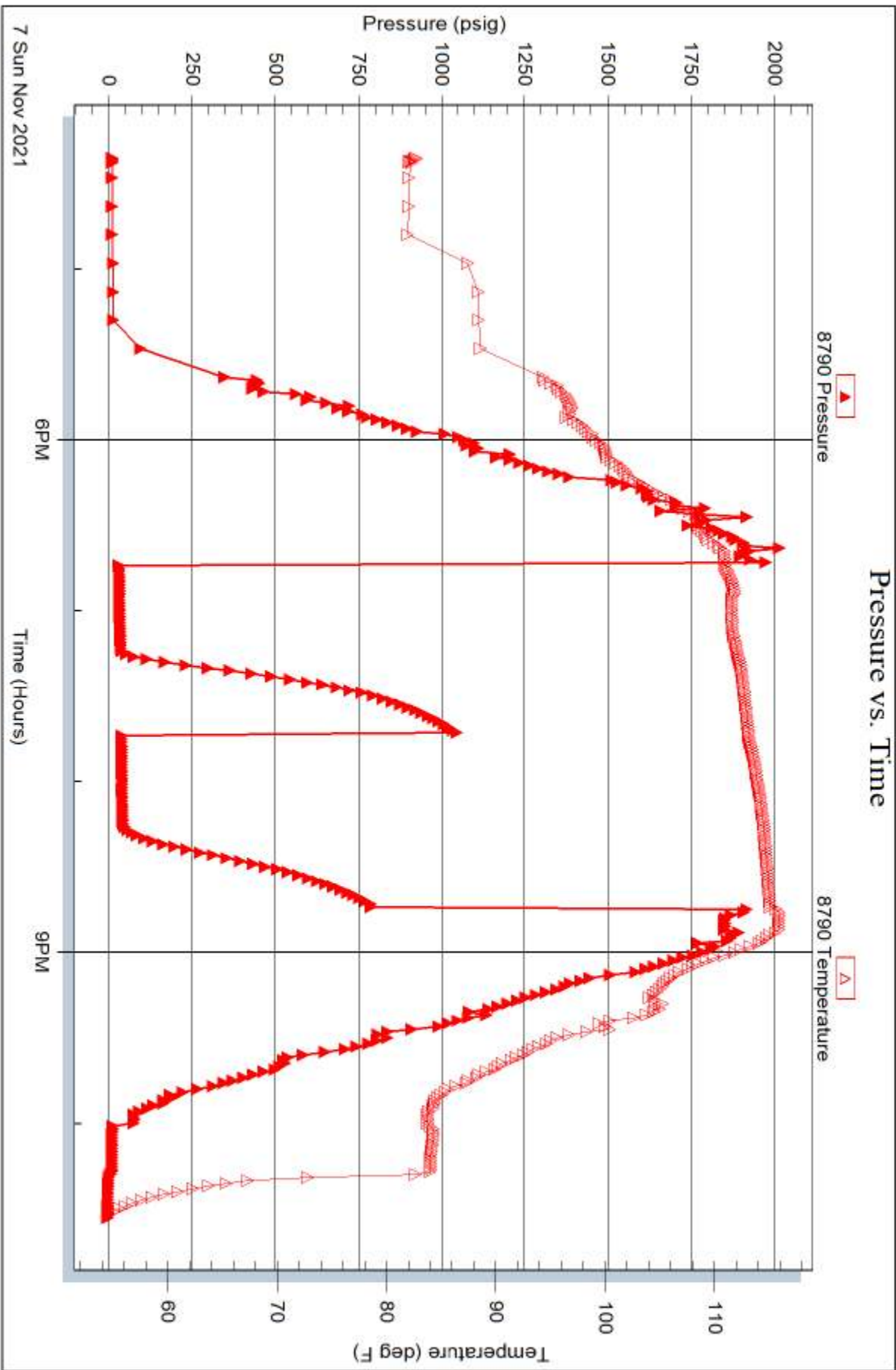
Serial #: 8790

Inside

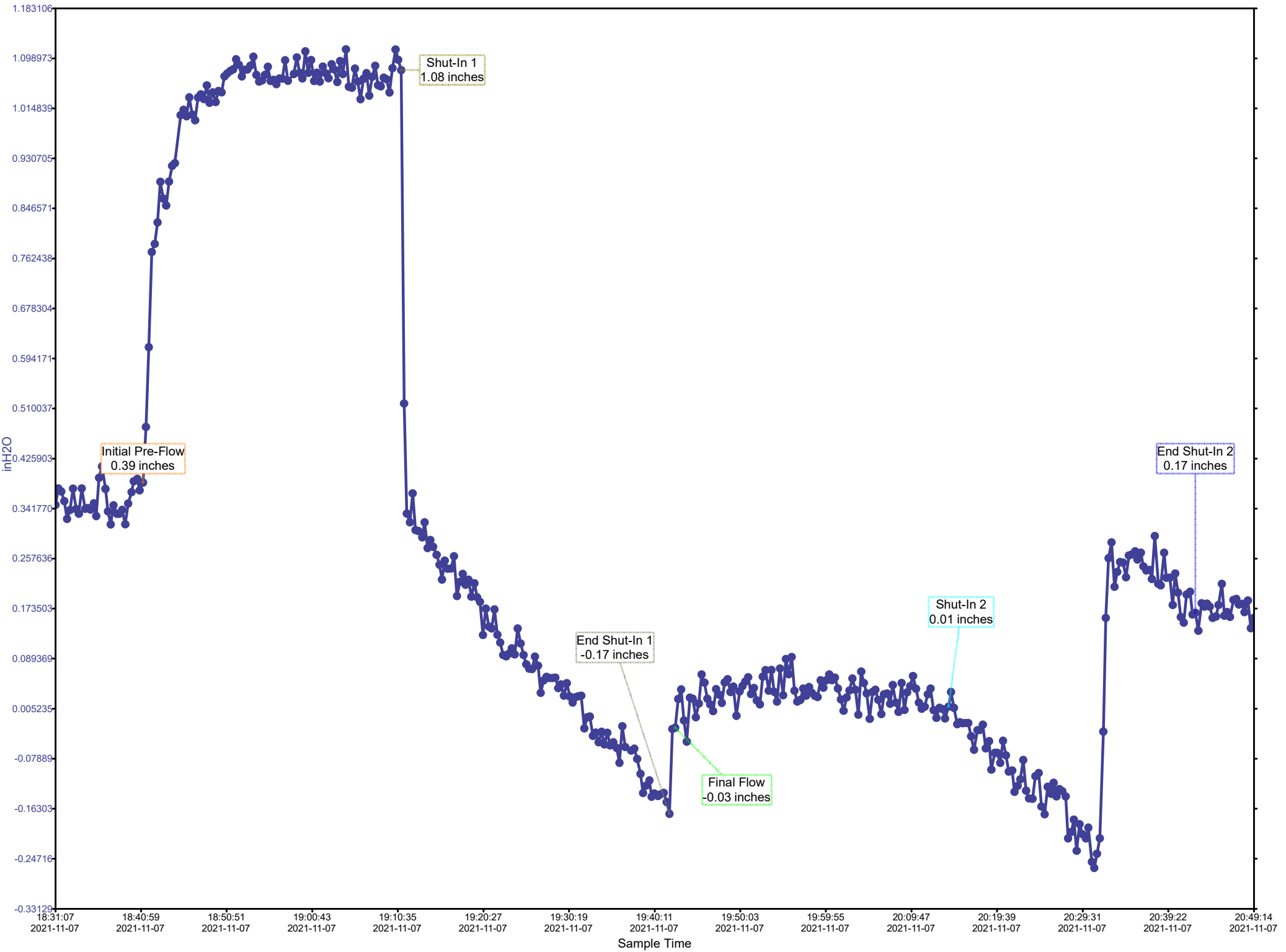
Palomino Petroleum

Warpath #1

DST Test Number: 1

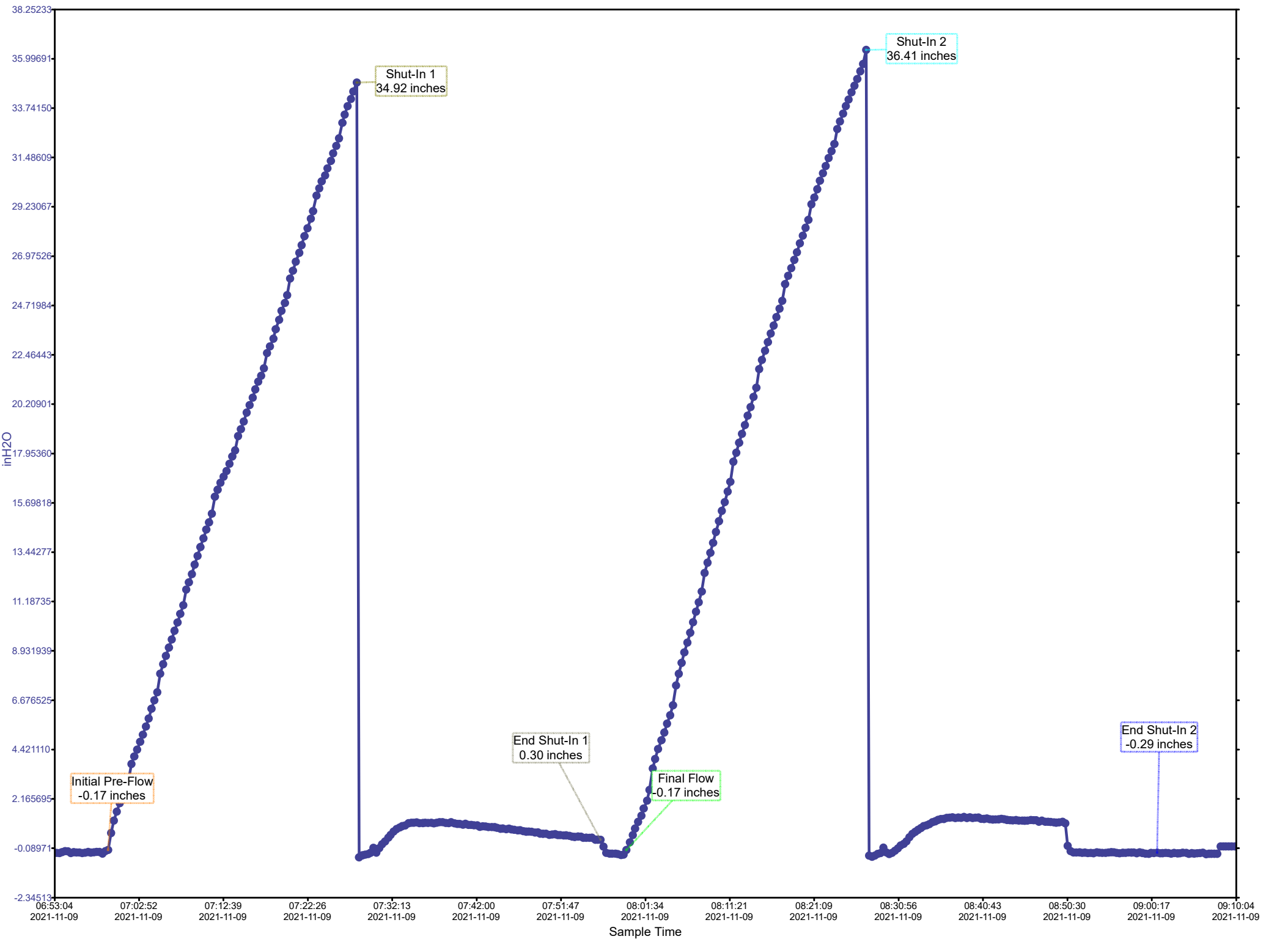


# Palomino Petroleum - Warpath 1 - DST #1





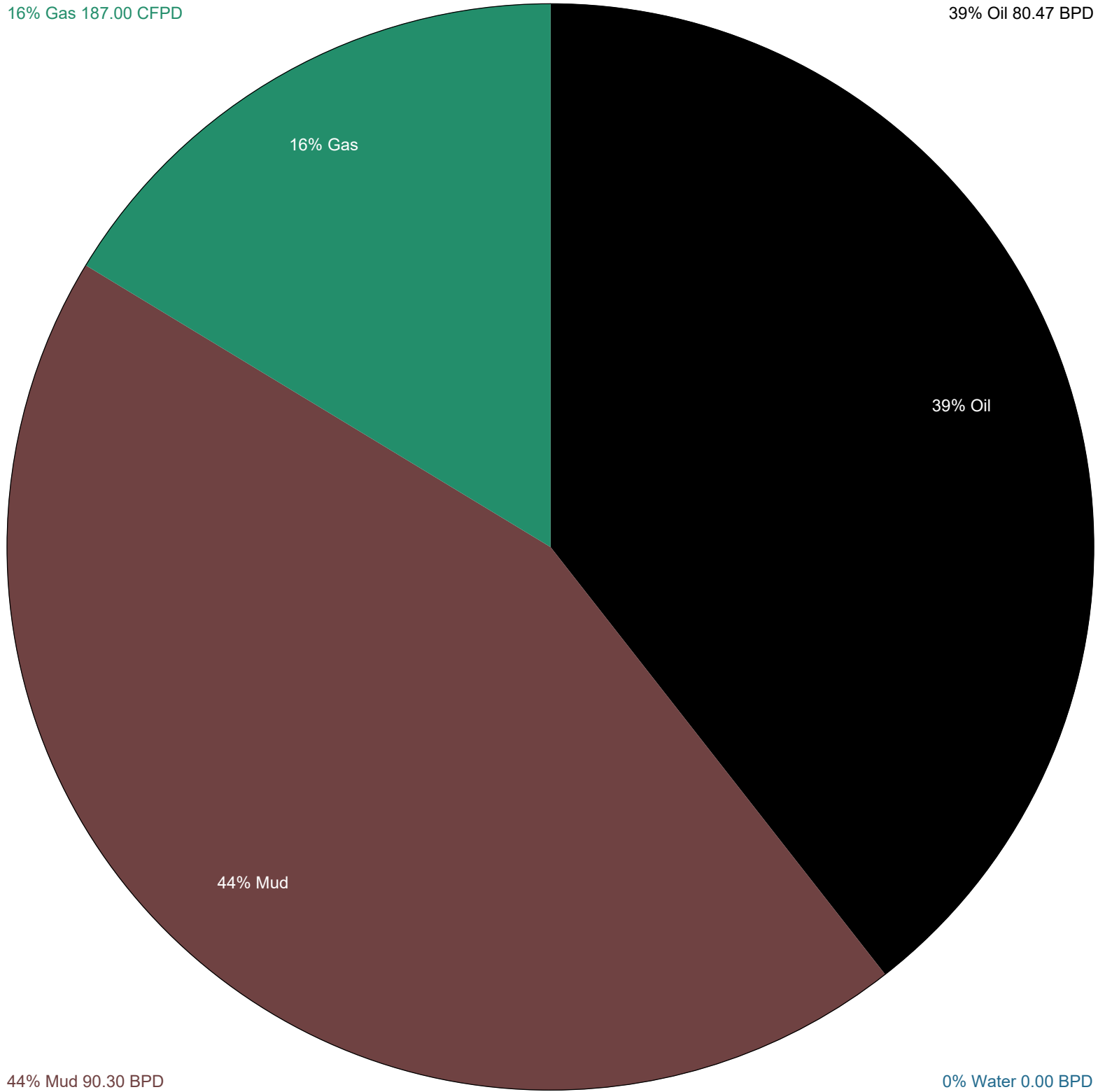
# Palomino Petroleum - Warpath 1 - DST #2



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

16% Gas 187.00 CFPD

39% Oil 80.47 BPD



16% Gas

39% Oil

44% Mud

44% Mud 90.30 BPD

0% Water 0.00 BPD



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, Ks 67114  
ATTN: Ryan Sieb

**20-15s-25w Trego, Ks**

**Warpath #1**

Job Ticket: 67683

**DST#: 2**

Test Start: 2021.11.09 @ 05:15:44

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:00:14

Time Test Ended: 11:54:44

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4295.00 ft (KB) To 4385.00 ft (KB) (TVD)**

Total Depth: 4385.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2447.00 ft (KB)

2440.00 ft (CF)

KB to GR/CF: 7.00 ft

**Serial #: 8674 Outside**

Press@RunDepth: 242.77 psig @ 4296.00 ft (KB)

Start Date: 2021.11.09

End Date:

2021.11.09

Start Time: 05:15:49

End Time:

11:54:43

Capacity: 8000.00 psig

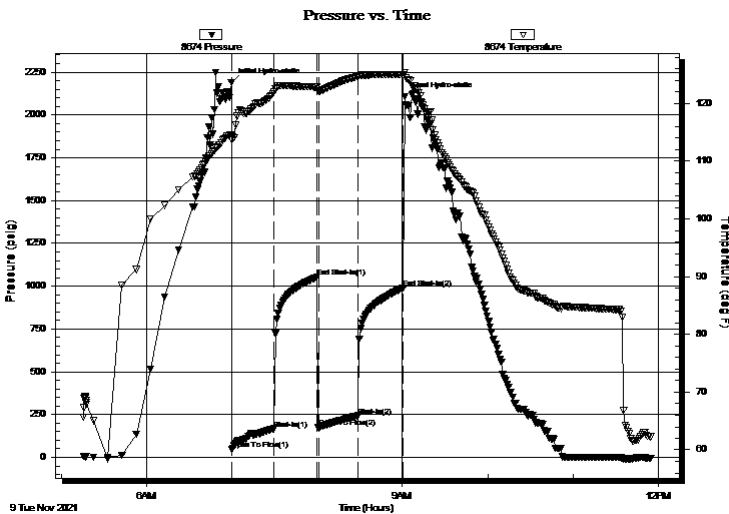
Last Calib.: 2021.11.09

Time On Btm: 2021.11.09 @ 06:59:44

Time Off Btm: 2021.11.09 @ 09:01:44

**TEST COMMENT:** IF: BOB in 8 mins. 35"  
IS: Surface blow built to 1.  
FF: BOB in 7 mins. 36"  
FS: Surface blow built to 1 1/4. 30-30-30-30

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2186.96	114.57	Initial Hydro-static
1	46.79	113.75	Open To Flow (1)
30	166.82	121.97	Shut-In(1)
60	1051.97	122.84	End Shut-In(1)
62	173.91	122.09	Open To Flow (2)
89	242.77	124.66	Shut-In(2)
121	989.87	125.04	End Shut-In(2)
122	2106.22	125.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	gocm 30%g 10%o 60%m	1.56
189.00	gocm 10%g 10%o 80%m	2.65
220.00	go 10%g 90%o	3.09
0.00	410 GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

**20-15s-25w Trego, Ks**

4924 SE 84th St  
New ton, Ks 67114

**Warpath #1**

ATTN: Ryan Sieb

Job Ticket: 67683

**DST#: 2**

Test Start: 2021.11.09 @ 05:15:44

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:00:14

Time Test Ended: 11:54:44

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4295.00 ft (KB) To 4385.00 ft (KB) (TVD)**

Reference Elevations: 2447.00 ft (KB)

Total Depth: 4385.00 ft (KB) (TVD)

2440.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8790 Inside**

Press@RunDepth: psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.09 End Date: 2021.11.09

Last Calib.: 2021.11.09

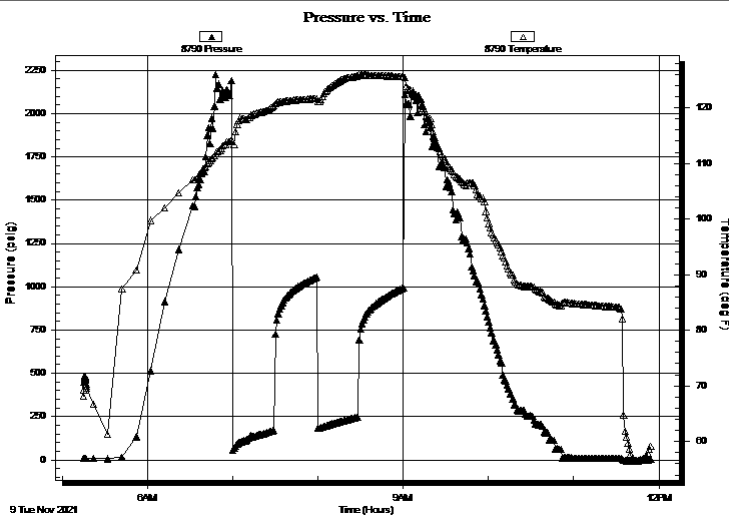
Start Time: 05:15:13 End Time: 11:54:07

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB in 8 mins. 35"  
IS: Surface blow built to 1.  
FF: BOB in 7 mins. 36"  
FS: Surface blow built to 1 1/4. 30-30-30-30

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	gocm 30%g 10%o 60%m	1.56
189.00	gocm 10%g 10%o 80%m	2.65
220.00	go 10%g 90%o	3.09
0.00	410 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum  
4924 SE 84th St  
New ton, Ks 67114  
ATTN: Ryan Sieb

**20-15s-25w Trego, Ks**  
**Warpath #1**  
Job Ticket: 67683      **DST#: 2**  
Test Start: 2021.11.09 @ 05:15:44

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.00 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3200.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	gocm 30%g 10%o 60%m	1.558
189.00	gocm 10%g 10%o 80%m	2.651
220.00	go 10%g 90%o	3.086
0.00	410 GIP	0.000

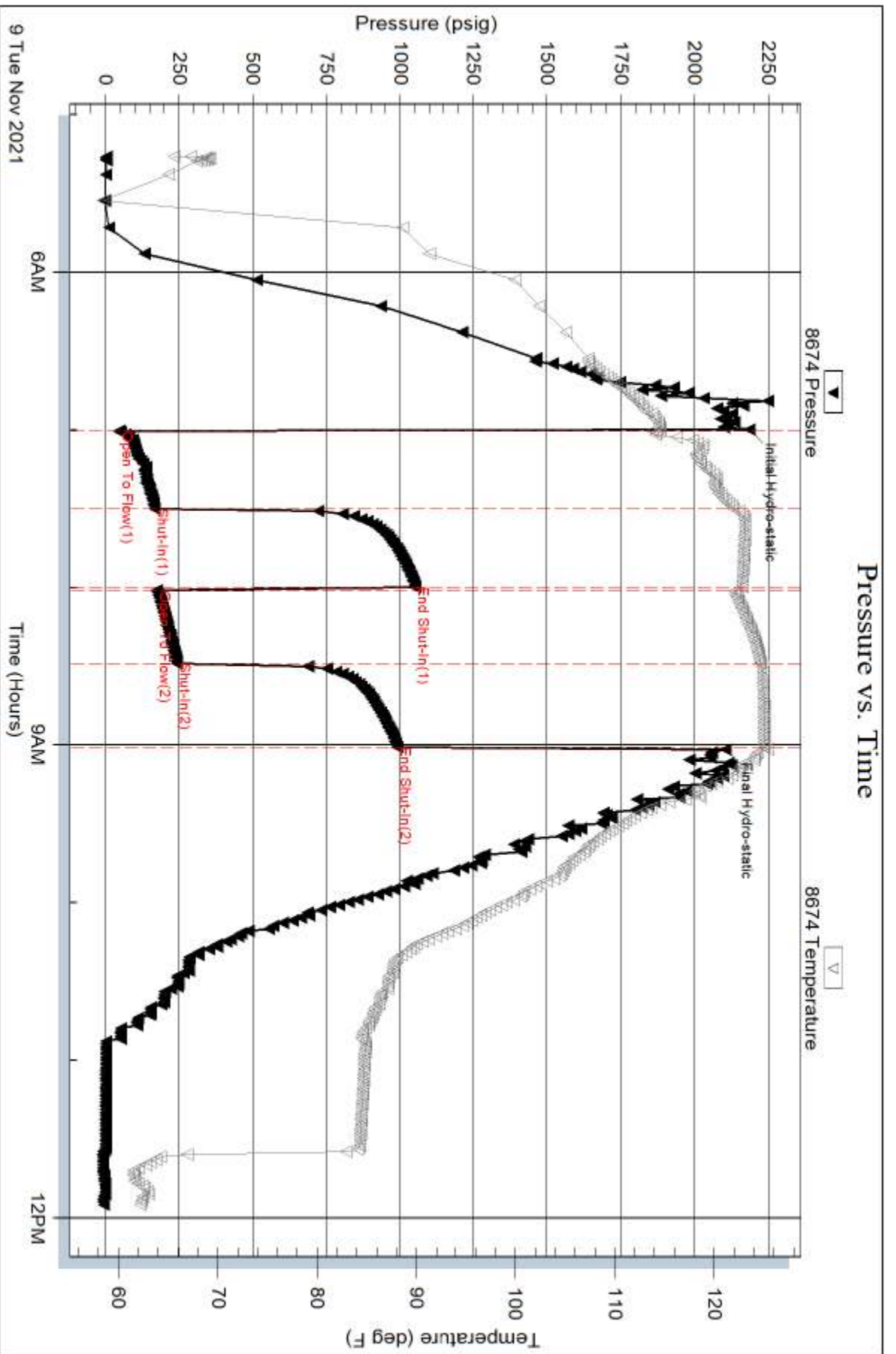
Total Length: 598.00 ft      Total Volume: 7.295 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: 39@60=39

Serial #: 8674

Outside Palomino Petroleum

Warpth #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67683

Printed: 2021.11.09 @ 13:40:59

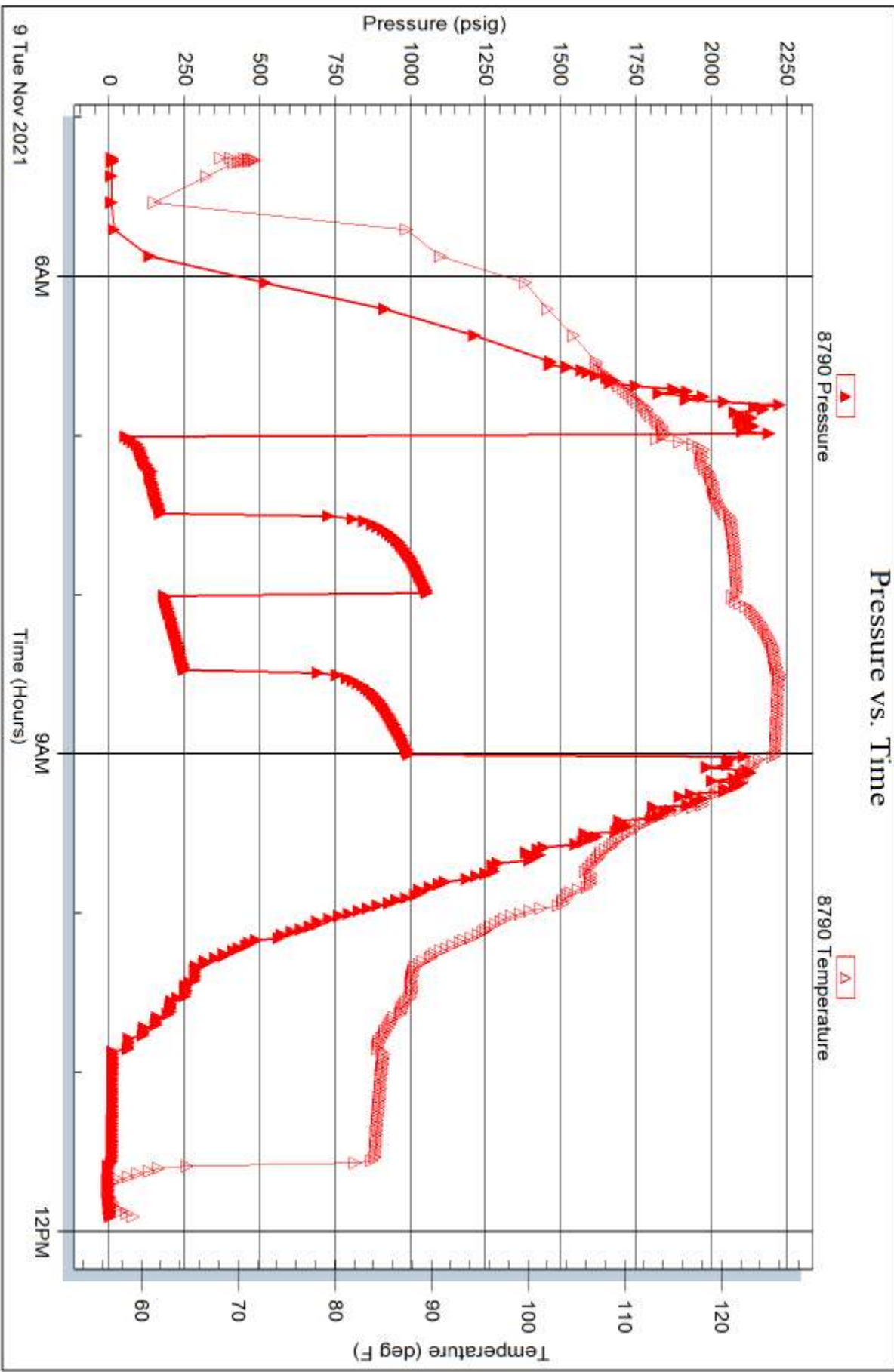
Serial #: 8790

Inside

Palomino Petroleum

Warpath #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67683

Printed: 2021.11.09 @ 13:40:59



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Ryan Sieb

### **Warpath #1**

### **20-15s-25w Trego,KS**

Start Date: 2021.11.07 @ 16:20:18

End Date: 2021.11.07 @ 22:32:48

Job Ticket #: 67682                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.11.11 @ 10:55:38





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

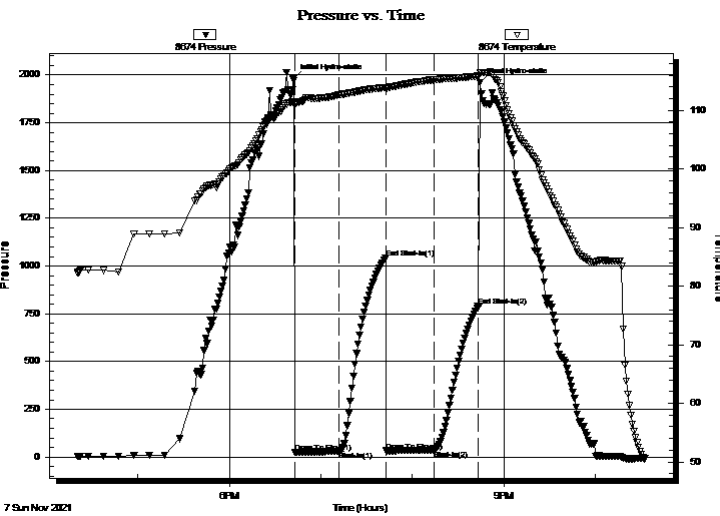
**20-15s-25w Trego,KS**  
**Warpath #1**  
 Job Ticket: 67682 **DST#: 1**  
 Test Start: 2021.11.07 @ 16:20:18

## GENERAL INFORMATION:

Formation: **LKC J - L**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:42:48  
 Time Test Ended: 22:32:48  
 Interval: **4000.00 ft (KB) To 4080.00 ft (KB) (TVD)**  
 Total Depth: 4080.00 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: 2447.00 ft (KB)  
 2440.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8674 Outside**  
 Press@RunDepth: 35.02 psig @ 4001.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.11.07 End Date: 2021.11.07 Last Calib.: 2021.11.07  
 Start Time: 16:20:23 End Time: 22:32:47 Time On Btm: 2021.11.07 @ 18:41:48  
 Time Off Btm: 2021.11.07 @ 20:44:18

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



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.14	111.48	Initial Hydro-static
1	25.00	111.03	Open To Flow (1)
30	29.32	112.67	Shut-In(1)
61	1043.23	113.89	End Shut-In(1)
61	31.97	113.62	Open To Flow (2)
92	35.02	115.22	Shut-In(2)
121	788.77	115.84	End Shut-In(2)
123	1962.17	116.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100%m	0.10

## 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 Sieb

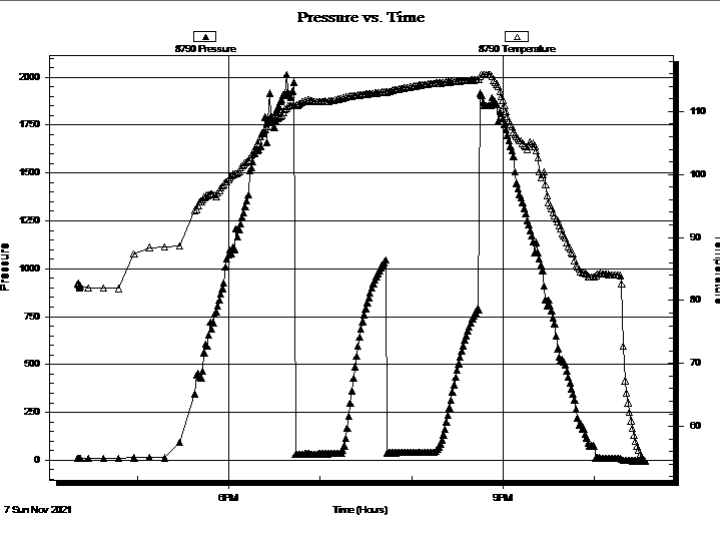
**20-15s-25w Trego, KS**  
**Warpath #1**  
Job Ticket: 67682      **DST#: 1**  
Test Start: 2021.11.07 @ 16:20:18

## GENERAL INFORMATION:

Formation: **LKC J - L**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 18:42:48      Tester: Brandon Turley  
Time Test Ended: 22:32:48      Unit No: 79  
**Interval: 4000.00 ft (KB) To 4080.00 ft (KB) (TVD)**      Reference Elevations: 2447.00 ft (KB)  
Total Depth: 4080.00 ft (KB) (TVD)      2440.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 7.00 ft

**Serial #: 8790**      **Inside**  
Press@RunDepth:      psig @ 4001.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2021.11.07      End Date: 2021.11.07      Last Calib.: 2021.11.07  
Start Time: 16:20:59      End Time: 22:33:23      Time On Btm:  
Time Off Btm:

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



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

Recovery		
Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100%m	0.10

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**20-15s-25w Trego,KS**  
**Warpath #1**  
Job Ticket: 67682      **DST#: 1**  
Test Start: 2021.11.07 @ 16:20:18

**Tool Information**

Drill Pipe:	Length: 3886.00 ft	Diameter: 3.80 inches	Volume: 54.51 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 55.10 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	63000.00 lb
Depth to Top Packer:	4000.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	107.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
Stubb	1.00			3974.00	
Shut In Tool	5.00			3979.00	
Hydraulic tool	5.00			3984.00	
Jars	5.00			3989.00	
Safety Joint	2.00			3991.00	
Packer	5.00			3996.00	27.00      Bottom Of Top Packer
Packer	4.00			4000.00	
Stubb	1.00			4001.00	
Recorder	0.00	8790	Inside	4001.00	
Recorder	0.00	8674	Outside	4001.00	
Perforations	11.00			4012.00	
Change Over Sub	1.00			4013.00	
Drill Pipe	63.00			4076.00	
Change Over Sub	1.00			4077.00	
Bullnose	3.00			4080.00	80.00      Bottom Packers & Anchor

**Total Tool Length: 107.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**20-15s-25w Trego,KS**  
**Warpath #1**  
Job Ticket: 67682      **DST#: 1**  
Test Start: 2021.11.07 @ 16:20:18

## Mud and Cushion Information

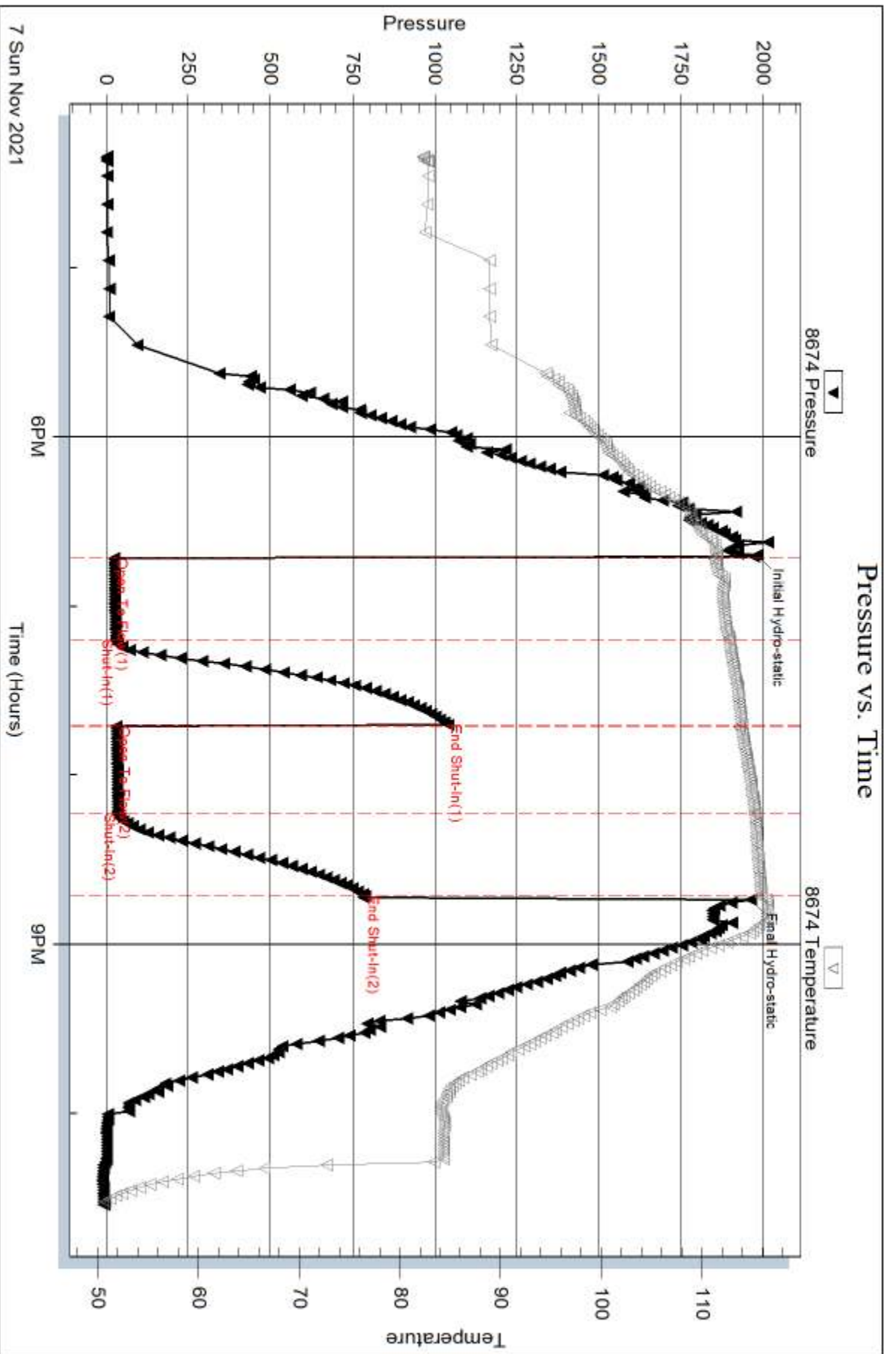
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud oil spots 100%m	0.098

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



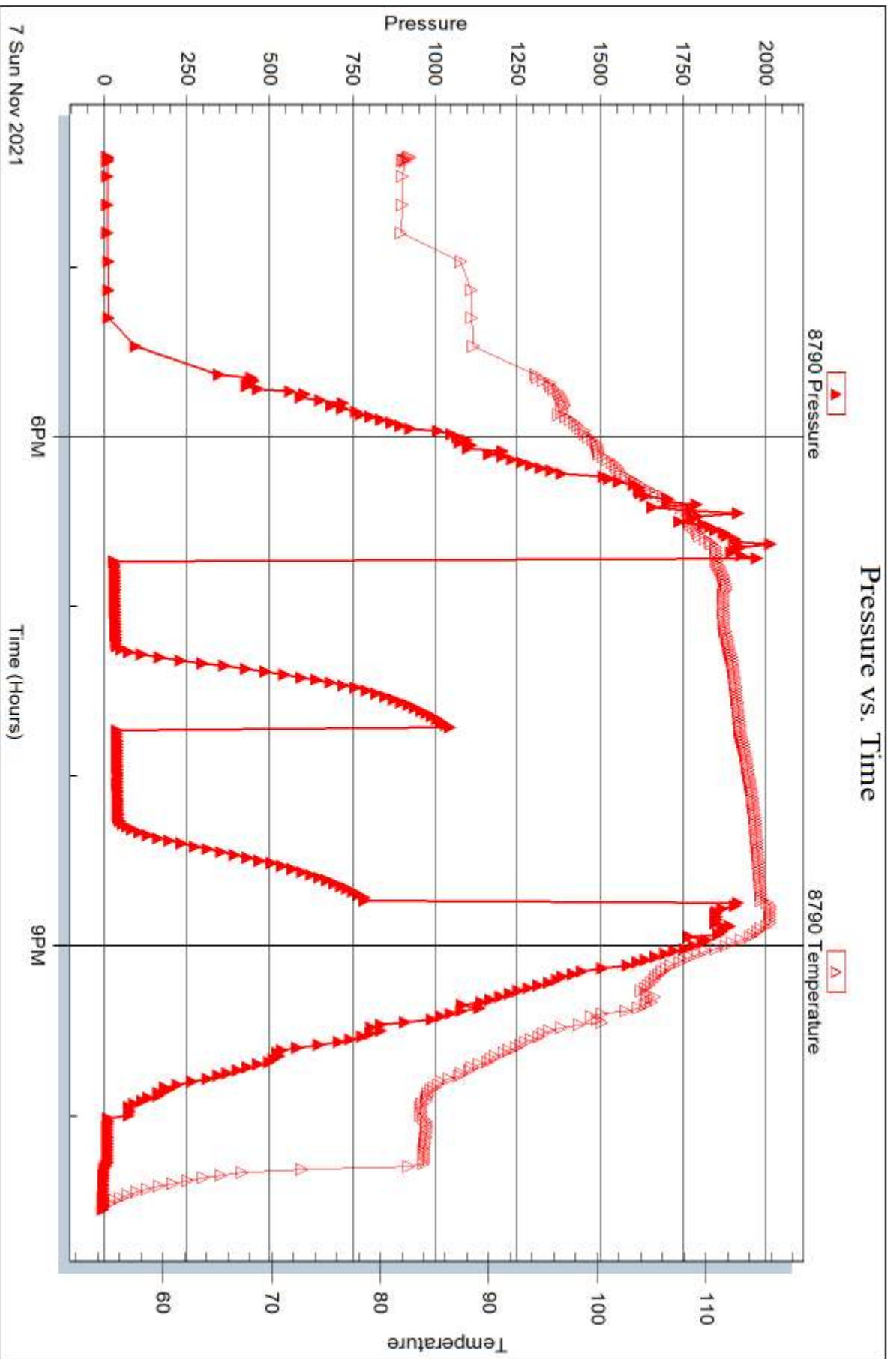
Serial #: 8790

Inside

Palomino Petroleum

Warpath #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Ryan Sieb

### **Warpath #1**

#### **20-15s-25w Trego,KS**

Start Date: 2021.11.09 @ 05:15:44

End Date: 2021.11.09 @ 11:54:44

Job Ticket #: 67683                      DST #: 2

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

Printed: 2021.11.11 @ 10:51:10



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**20-15s-25w Trego,KS**  
**Warpath #1**  
Job Ticket: 67683 **DST#: 2**  
Test Start: 2021.11.09 @ 05:15:44

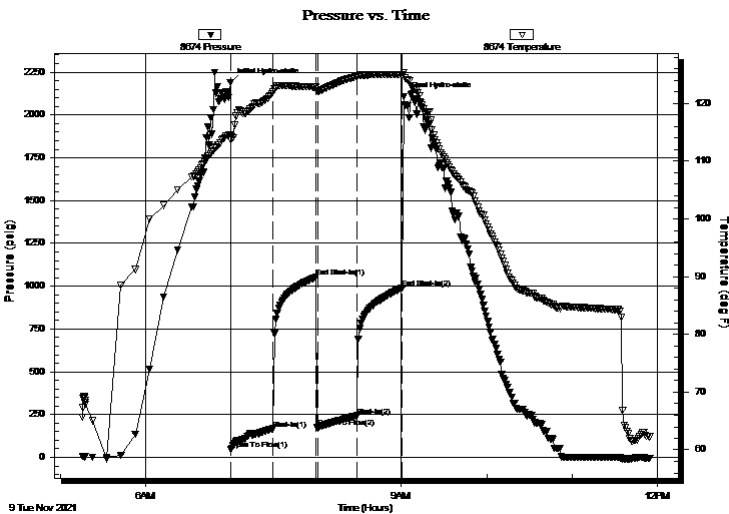
## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 07:00:14  
Time Test Ended: 11:54:44  
Interval: **4295.00 ft (KB) To 4385.00 ft (KB) (TVD)**  
Total Depth: 4385.00 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: 2447.00 ft (KB)  
2440.00 ft (CF)  
KB to GR/CF: 7.00 ft

**Serial #: 8674 Outside**  
Press@RunDepth: 242.77 psig @ 4296.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.11.09 End Date: 2021.11.09 Last Calib.: 2021.11.09  
Start Time: 05:15:49 End Time: 11:54:43 Time On Btm: 2021.11.09 @ 06:59:44  
Time Off Btm: 2021.11.09 @ 09:01:44

**TEST COMMENT:** IF: BOB in 8 mins. 35"  
IS: Surface blow built to 1"  
FF: BOB in 7 mins. 36"  
FS: Surface blow built to 1 1/4" 30-30-30-30

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2186.96	114.57	Initial Hydro-static
1	46.79	113.75	Open To Flow (1)
30	166.82	121.97	Shut-In(1)
60	1051.97	122.84	End Shut-In(1)
62	173.91	122.09	Open To Flow (2)
89	242.77	124.66	Shut-In(2)
121	989.87	125.04	End Shut-In(2)
122	2106.22	125.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	gocm 30%g 10%o 60%m	1.56
189.00	gocm 10%g 10%o 80%m	2.65
220.00	go 10%g 90%o	3.09
0.00	410 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

**20-15s-25w Trego,KS**

4924 SE 84th St  
New ton, KS 67114

**Warpath #1**

Job Ticket: 67683

**DST#: 2**

ATTN: Ryan Sieb

Test Start: 2021.11.09 @ 05:15:44

## Tool Information

Drill Pipe:	Length: 4168.00 ft	Diameter: 3.80 inches	Volume: 58.47 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 59.06 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4295.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	90.00 ft				
Tool Length:	117.00 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			4269.00	
Shut In Tool	5.00			4274.00	
Hydraulic tool	5.00			4279.00	
Jars	5.00			4284.00	
Safety Joint	2.00			4286.00	
Packer	5.00			4291.00	27.00 Bottom Of Top Packer
Packer	4.00			4295.00	
Stubb	1.00			4296.00	
Recorder	0.00	8790	Inside	4296.00	
Recorder	0.00	8674	Outside	4296.00	
Perforations	21.00			4317.00	
Change Over Sub	1.00			4318.00	
Drill Pipe	63.00			4381.00	
Change Over Sub	1.00			4382.00	
Bullnose	3.00			4385.00	90.00 Bottom Packers & Anchor

**Total Tool Length: 117.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**20-15s-25w Trego,KS**  
**Warpath #1**  
Job Ticket: 67683      **DST#: 2**  
Test Start: 2021.11.09 @ 05:15:44

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3200.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	gocm 30%g 10%o 60%m	1.558
189.00	gocm 10%g 10%o 80%m	2.651
220.00	go 10%g 90%o	3.086
0.00	410 GIP	0.000

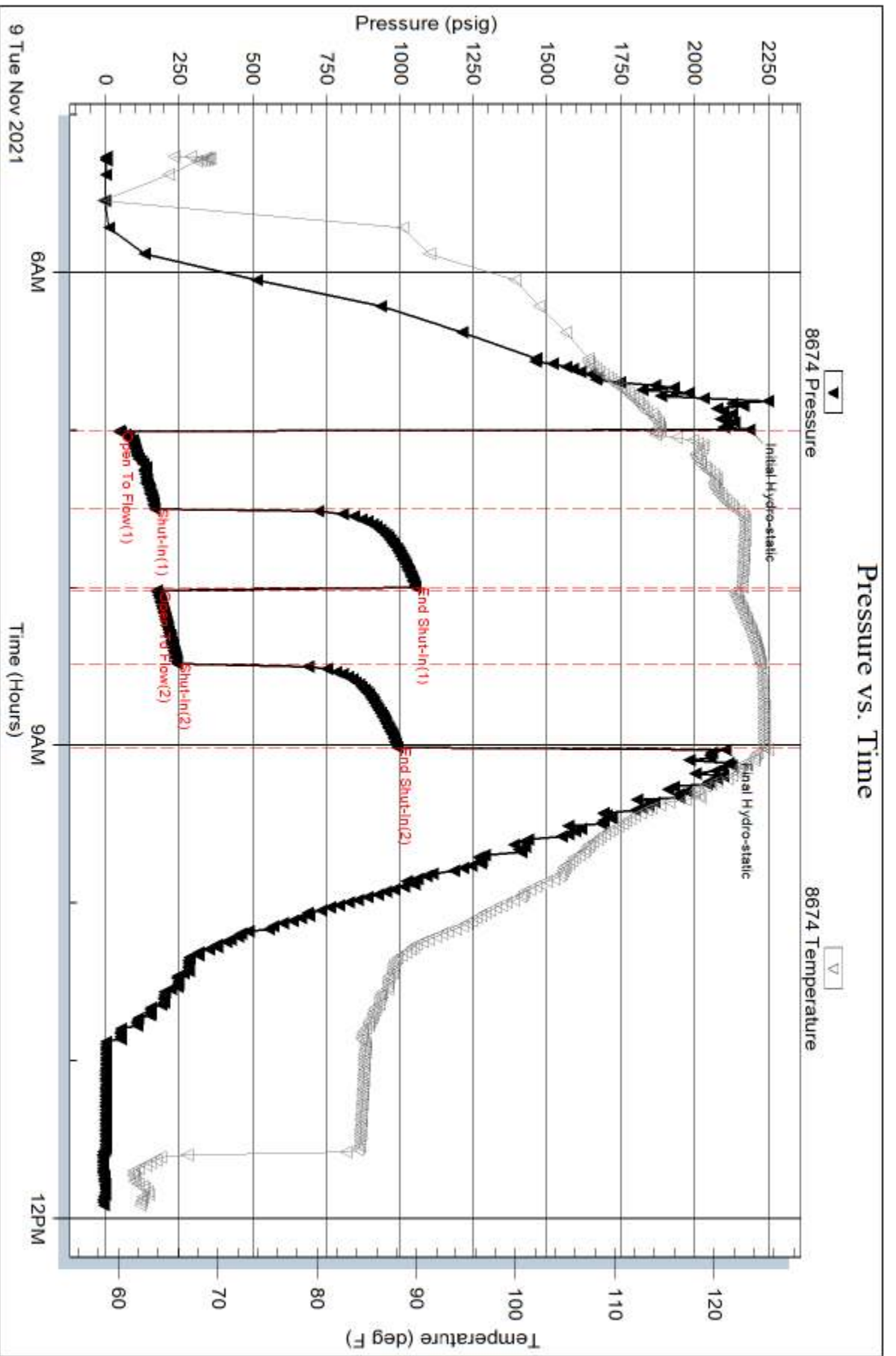
Total Length: 598.00 ft      Total Volume: 7.295 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: 39@60=39

Serial #: 8674

Outside Palomino Petroleum

Warpth #1

DST Test Number: 2



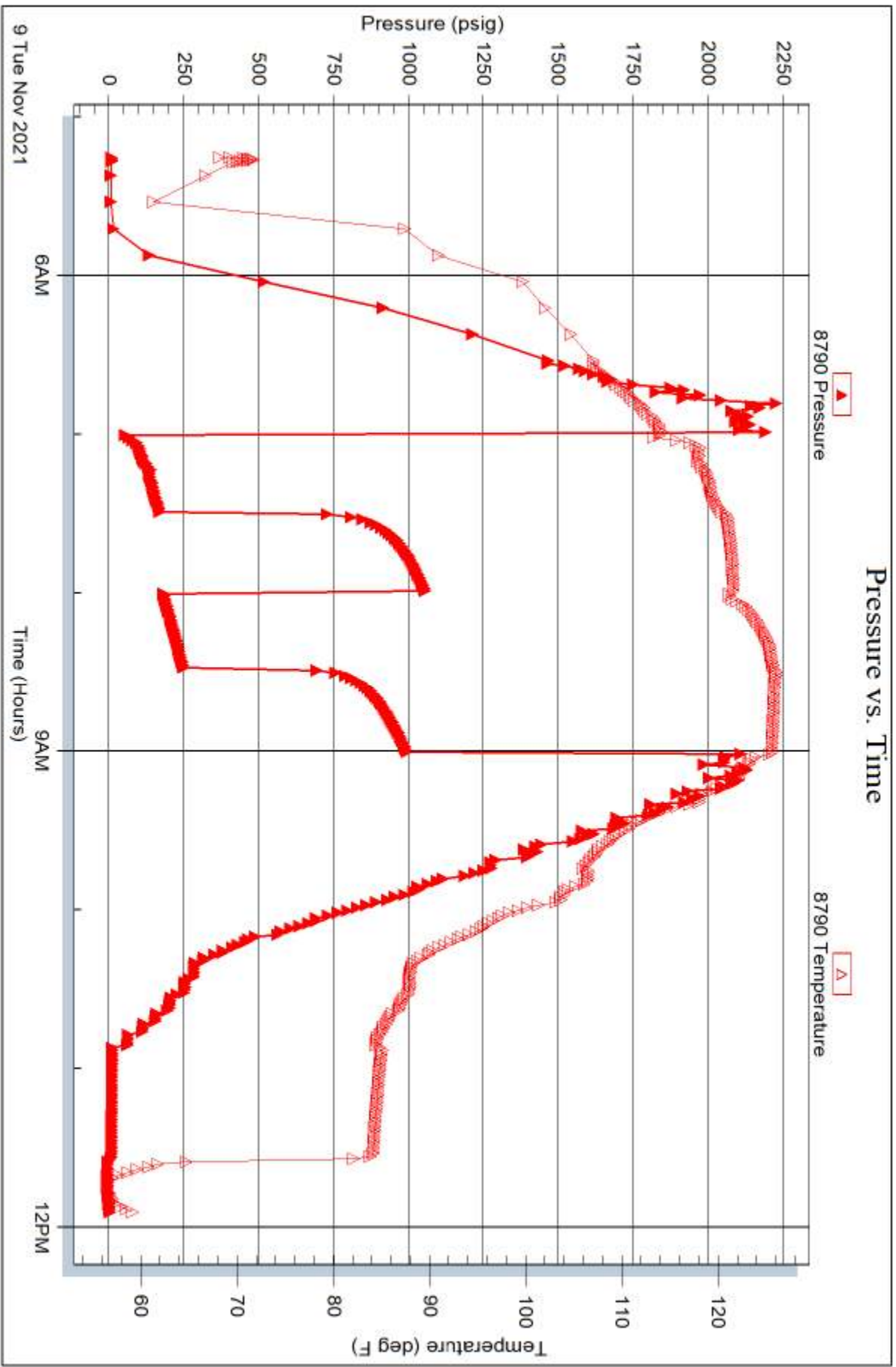
Serial #: 8790

Inside

Palomino Petroleum

Warpath #1

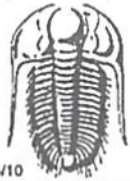
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67683

Printed: 2021.11.11 @ 10:51:11



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67682

Well Name & No. W9994th #1 Test No. 1 Date 11-7-21  
 Company Palomino Petroleum Elevation 2447 KB 2440 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Ryan Sieb Rig 5TP  
 Location: Sec. 20 Twp 15S Rge. 25W Co. T1090 State KS

Interval Tested 4000 4080 Zone Tested Lansing J-L  
 Anchor Length 80 Drill Pipe Run 3886 Mud Wt. 9.0  
 Top Packer Depth 3995 Drill Collars Run 120 Vls 56  
 Bottom Packer Depth 4000 Wt. Pipe Run --- WL 5.6  
 Total Depth 4080 Chlorides 1000 ppm System LCM 2

Blow Description IF: 3/4 blow built to 1.  
IS: No return,  
FP: surface blow,  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</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 20 BHT 115 Gravity --- API RW --- @ --- ° F Chlorides --- ppm

(A) Initial Hydrostatic <u>1983</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>14:30</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:20</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:41</u>
(D) Initial Shut-In <u>1043</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>20:41</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>22:40</u>
(F) Second Final Flow <u>35</u>	<input checked="" type="checkbox"/> Mileage <u>160</u> - 140rt 175	Comments
(G) Final Shut-In <u>788</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1962</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool

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

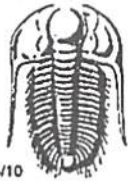
Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 1950

Sub Total 0  
 Total 1950  
 MP/DST Disc't

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

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67683

Well Name & No. Warpeth #1 Test No. 2 Date 11-9-21  
 Company Palomino #1 Elevation 2447 KB 2440 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Ayam Sieb Rig STP  
 Location: Sec. 20 Twp 15S Rge. 25W Co. Trego State KS

Interval Tested 4295 4385 Zone Tested M:55  
 Anchor Length \_\_\_\_\_ 90 Drill Pipe Run 4168 Mud Wt. 9.0  
 Top Packer Depth \_\_\_\_\_ 4290 Drill Collars Run 120 Vis 60  
 Bottom Packer Depth \_\_\_\_\_ 4295 Wt. Pipe Run \_\_\_\_\_ WL 6.0  
 Total Depth \_\_\_\_\_ 4385 Chlorides 3200 ppm System LCM 1

Blow Description ± F! BoB in 8 mins. 35"  
IS! surface blow built to 1.  
FF! BoB in 7 mins. 36'  
FS! surface blow built to 1 1/4.

Rec	Feet of	%gas	%oil	%water	%mud
<u>220</u>	<u>90</u>	<u>10</u>	<u>90</u>		
<u>189</u>	<u>90cm</u>	<u>10</u>	<u>10</u>		<u>80</u>
<u>189</u>	<u>90cm</u>	<u>30</u>	<u>10</u>		<u>60</u>
Rec _____	Feet of <u>410 GFP</u>	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec Total <u>598</u>	BHT <u>125</u>	Gravity <u>39</u>	API RW _____ @ _____ °F	Chlorides _____ ppm	

(A) Initial Hydrostatic 2186  Test 1450  
 (B) First Initial Flow 46  Jars 250  
 (C) First Final Flow 166  Safety Joint 75  
 (D) Initial Shut-In 1051  Circ Sub NIC  
 (E) Second Initial Flow 173  Hourly Standby \_\_\_\_\_  
 (F) Second Final Flow 242  Mileage 160-x2 350  
 (G) Final Shut-In 989  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2106  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 2125

T-On Location 4:30  
 T-Started 5:15  
 T-Open 7:00  
 T-Pulled 9:00  
 T-Out 11:55  
 Comments loaded tools 11/10 7:23  
 EM Tool \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 2125  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_

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