

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



Invoice

DATE	INVOICE #
6/16/2022	34648

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

RECEIVED
JUN 21 2022
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Casablanca	Scott	Murfin Drilling	Oil	Development	5 1/2 Longstring	Preston
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				75	Miles	7.00	525.00
578D-L	Pump Charge - Long String				1	Job	1,600.00	1,600.00
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
403-5	5 1/2" Cement Basket				2	Each	300.00	600.00T
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	350.00	350.00T
409-5	5 1/2" Turbolizer				12	Each	100.00	1,200.00T
325	Standard Cement				100	Sacks	15.00	1,500.00T
284	Calseal				5	Sack(s)	50.00	250.00T
283	Salt				500	Lb(s)	0.25	125.00T
285	CFR-1				50	Lb(s)	6.00	300.00T
276	Flocele				75	Lb(s)	3.00	225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	19.50	2,437.50T
281	Mud Flush				500	Gallon(s)	2.00	1,000.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				863	Ton Miles	1.00	863.00
	Subtotal							14,401.50
	Sales Tax Scott County						8.50%	931.90
We Appreciate Your Business!							Total	\$15,333.40



CHARGE TO: *Palomino Petroleum*

ADDRESS

CITY, STATE, ZIP CODE

TICKET **34648**

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>Ness City</i>	WELL/PROJECT NO. <i>#2</i>	LEASE <i>Cassablanca</i>	COUNTY/PARISH <i>Scott</i>	STATE <i>Ks</i>	CITY	DATE <i>6-16-22</i>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Muffin</i>		RIG NAME/NO.	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>location</i>	ORDER NO.	
3. WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Long String 5 1/2"</i>		WELL PERMIT NO.	WELL LOCATION <i>Scott City 12-5 7-w, 5-into</i>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>		<i>1</i>			MILEAGE <i>Truck 112</i>	<i>75</i>	<i>mi</i>			<i>7.00</i>	<i>525.00</i>
<i>578</i>		<i>1</i>			<i>Pump Charge</i>	<i>1</i>	<i>Job</i>			<i>1600.00</i>	<i>1600.00</i>
<i>404</i>		<i>1</i>			<i>Part Collar</i>	<i>1</i>	<i>ea</i>	<i>5 1/2"</i>		<i>2500.00</i>	<i>2500.00</i>
<i>403</i>		<i>1</i>			<i>CMT Baskets</i>	<i>2</i>	<i>ea</i>	<i>5 1/2"</i>		<i>300.00</i>	<i>600.00</i>
<i>406</i>		<i>1</i>			<i>Latch down plug + Baffle</i>	<i>1</i>	<i>ea</i>	<i>5 1/2"</i>		<i>250.00</i>	<i>250.00</i>
<i>407</i>		<i>1</i>			<i>Insect Float Shoe w/Auto fill</i>	<i>1</i>	<i>ea</i>	<i>5 1/2"</i>		<i>350.00</i>	<i>350.00</i>
<i>409</i>		<i>1</i>			<i>Turbo Hoses</i>	<i>12</i>	<i>ea</i>	<i>5 1/2"</i>		<i>100.00</i>	<i>1200.00</i>

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 *[Signature]*

DATE SIGNED *6-16-22* TIME SIGNED *06:30* 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

#1	<i>7025.00</i>
PAGE TOTAL	
#2	<i>7376.50</i>
	<i>14,401.50</i>
<i>Scott</i>	<i>931.90</i>
TOTAL	<i>15333.40</i>

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

SWIFT OPERATOR *[Signature]* APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 34648

CUSTOMER *Palomino Petroleum* WELL *Cosablanca #2* DATE *6-16-22* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			U/M	U/M				
325		1				STD CMT	100	SK			15.00	1500.00
284		1				Cal Seal	5	SK			50.00	250.00
283		1				Salt	500	lbs			0.25	125.00
285		1				CFR-1	50	lb			6.00	300.00
276		1				Flocele	75	lb			3.00	225.00
330		1				SMD CMT	125	SK			19.50	2437.50
281		1				Mud Flush	500	gal			2.00	1000.00
221		1				Liquid KCL	4	gal			25.00	100.00
290		1				D-Air	3	gal			42.00	126.00
581		1				SERVICE CHARGE CMT					2.00	450.00
583		1				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		1.00	863.00
							23,000	75	863			

CONTINUATION TOTAL 7376.50

JOB LOG

SWIFT Services, Inc.

DATE 6-16-22	PAGE NO. 1
TICKET NO. 34648	

CUSTOMER Palamino Petroleum		WELL NO. #2		LEASE Cassablanca		JOB TYPE Long string 5 1/2"		DESCRIPTION OF OPERATION AND MATERIALS	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TUBING	CASING
				T	C	TUBING	CASING		
	29:00								ON location 5 1/2" 15.5 # set at 4891' shoe 42,08' PC 2223' #62 Baskets #62, 63 Turbo's 1, 2, 3, 4, 10, 11, 12, 13, 117, 14, 15, 61
	01:30								start 5 1/2" casing
	04:00								Drop ball & circulate
	05:00	3.5	12				150		Mud Flush
	05:05	3.5	20				150		KCL water spacer
	05:15	2	11.5						RH (30SK) MH
		2	7.5						MH (20SK)
	05:20	4	10.5				300		mix SMD at 12.5
	5:30	3.5	24				300		mix Ea at 15.36
	5:45								wash out pump lines & drop plug
	5:50	6	-0-				200		start displacement
			81				300		lift pressure
			114				800		max lift
	06:10		115.5				1800		land plug & Release hold *
	06:20								Wash Truck
	06:45								Job Complete Thanks! Preston, Kirby, John.
									125 SKS SMD used (30, RH) (20, MH), 75 down hole 100 SKS Ea 2 used



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: 6/8/2022
 Invoice #: 0361177
 Lease Name: Casablanca
 Well #: 2 (New)
 County: Scott, Ks
 Job Number: WP2909
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	170.000	21.150	3,595.50
Light Eq Mileage	70.000	2.000	140.00
Heavy Eq Mileage	140.000	4.000	560.00
Ton Mileage	601.000	1.500	901.50
Cement Blending & Mixing	170.000	1.316	223.72
Service Supervisor	1.000	258.500	258.50
Liquid Defoamer	1.000	68.620	68.62
Depth Charge 0'-500'	1.000	940.000	940.00

Total 6,687.84

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 #	Casablanca # 2	Date	6/8/2022
Service District	Oakley KS	County & State	Scott KS	Legals S/T/R	14-20S-34W
Job Type	Surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	Job #
				New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #	Driver	Ticket #			

Equipment #		Driver		Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
78	Jesse	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging		
230	Michael	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection		
242	Spencer	<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 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	170.00	\$3,595.50
M015	Light Equipment Mileage	mi	70.00	\$140.00
M010	Heavy Equipment Mileage	mi	140.00	\$560.00
M020	Ton Mileage	tm	601.00	\$901.50
C060	Cement Blending & Mixing Service	sack	170.00	\$223.72
R061	Service Supervisor	day	1.00	\$258.50
CP137	Liquid Defoamer	gal	1.00	\$68.62
D010	Depth Charge: 0'-500'	job	1.00	\$940.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

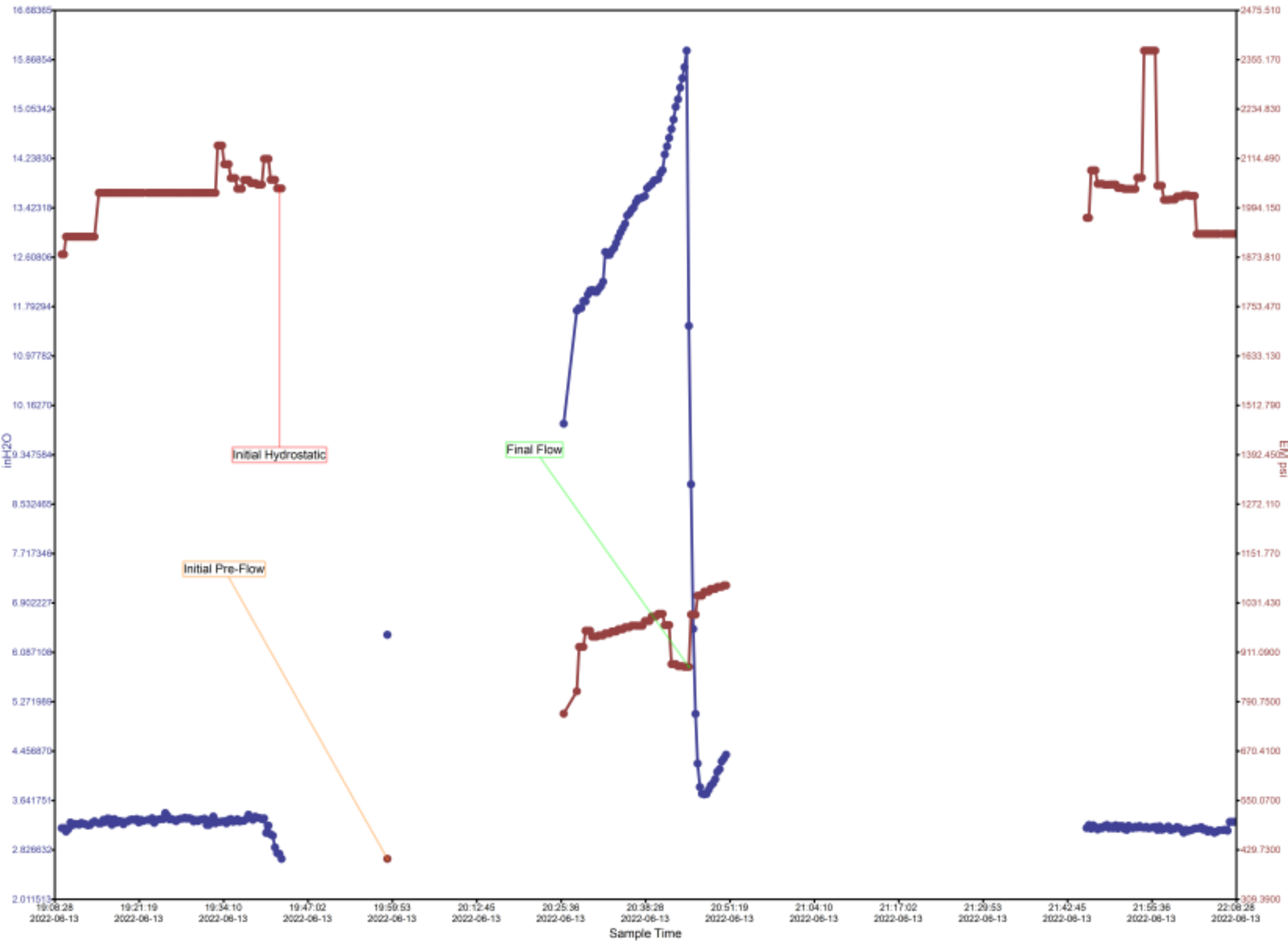
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -	Tax Rate:		Net:	\$6,687.84
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>						Sale Tax:	\$ -
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely						Total:	\$ 6,687.84

HSI Representative: *Jesse Jones*

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**

Palomino Petroleum - Casablanca 2 - DST 1



Calculated Recovery Analysis - Palomino Petroleum - Casablanca 2 - DST 1

0% Gas 0.00 CFPD
0.00 Cu.ft.

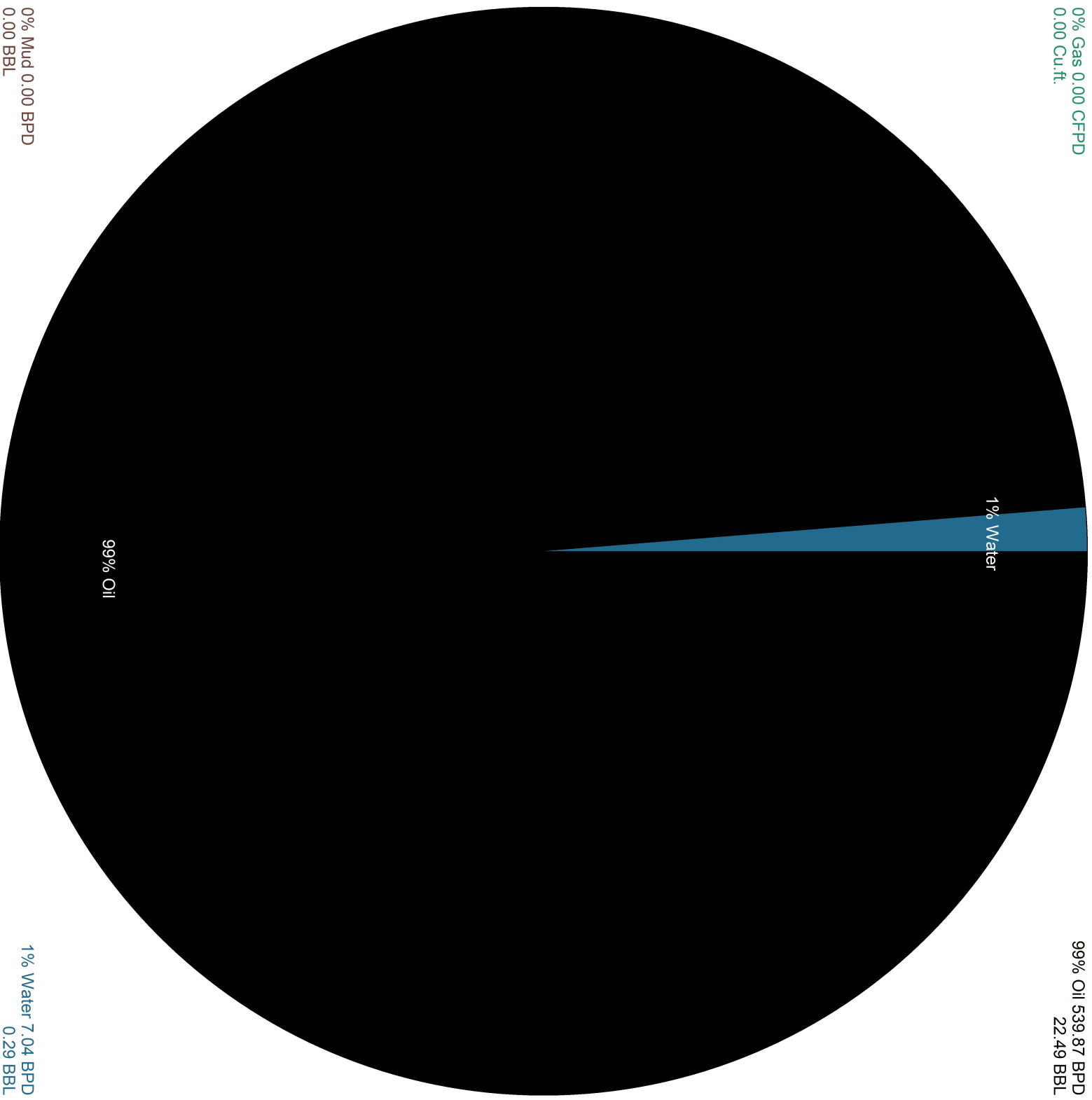
99% Oil 539.87 BPD
22.49 BBL

1% Water

99% Oil

0% Mud 0.00 BPD
0.00 BBL

1% Water 7.04 BPD
0.29 BBL





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum LLC
 4929 se 84 st
 New ton , KS 67114-8827
 ATTN: Ryan Sieb

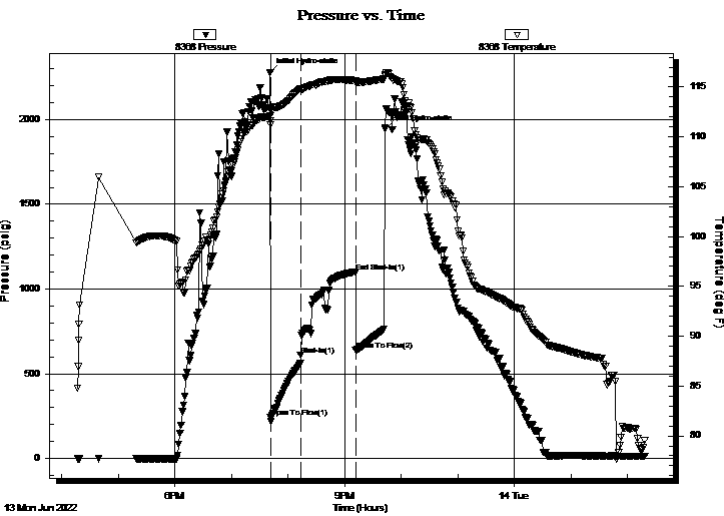
14-20s-34w
Casa Blanca #2
 Job Ticket: 59508 **DST#: 1**
 Test Start: 2022.06.13 @ 16:17:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:41:15
 Time Test Ended: 02:19:00
 Interval: **4370.00 ft (KB) To 4488.00 ft (KB) (TVD)**
 Total Depth: 4488.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Terrance
 Unit No: 75
 Reference Elevations: 3013.00 ft (KB)
 ft (CF)
 KB to GR/CF: ft

Serial #: 8368 **Inside**
 Press@RunDepth: 608.21 psig @ 4380.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.13 End Date: 2022.06.14 Last Calib.: 1899.12.30
 Start Time: 16:17:05 End Time: 02:19:00 Time On Btm: 2022.06.13 @ 19:41:00
 Time Off Btm: 2022.06.13 @ 21:42:45

TEST COMMENT: IF30BOB
 IS160BOB
 FF30BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2278.35	112.10	Initial Hydro-static
1	244.14	111.23	Open To Flow (1)
33	608.21	114.86	Shut-In(1)
91	1101.14	115.66	End Shut-In(1)
91	639.43	115.48	Open To Flow (2)
122	1942.43	116.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% WATER	0.30
1704.00	100% OIL	23.13

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum LLC
4929 se 84 st
New ton , KS 67114-8827
ATTN: Ryan Sieb

14-20s-34w
Casa Blanca #2
Job Ticket: 59508 **DST#: 1**
Test Start: 2022.06.13 @ 16:17:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 21 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.00 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

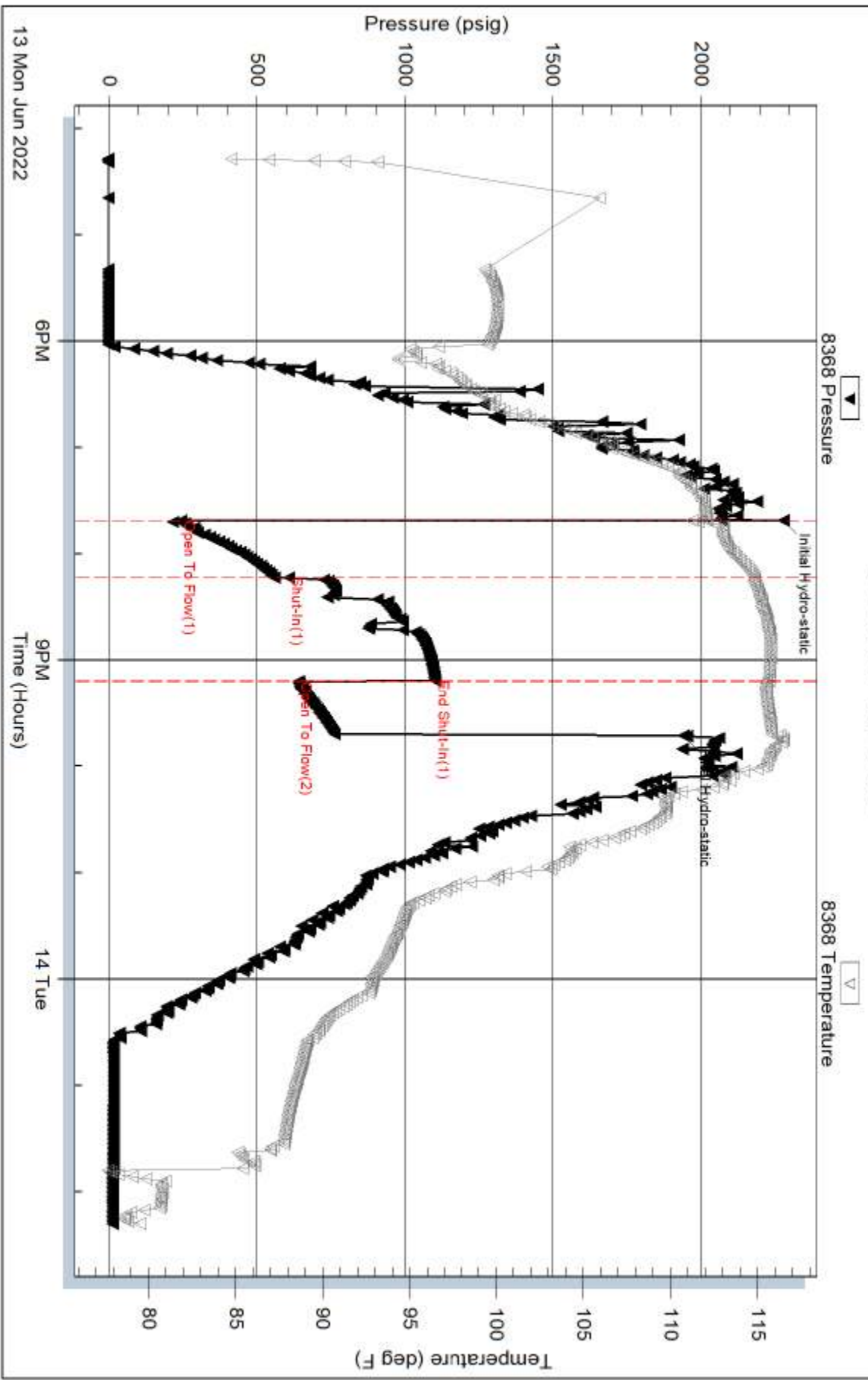
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100%WATER	0.295
1704.00	100% OIL	23.134

Total Length: 1764.00 ft Total Volume: 23.429 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

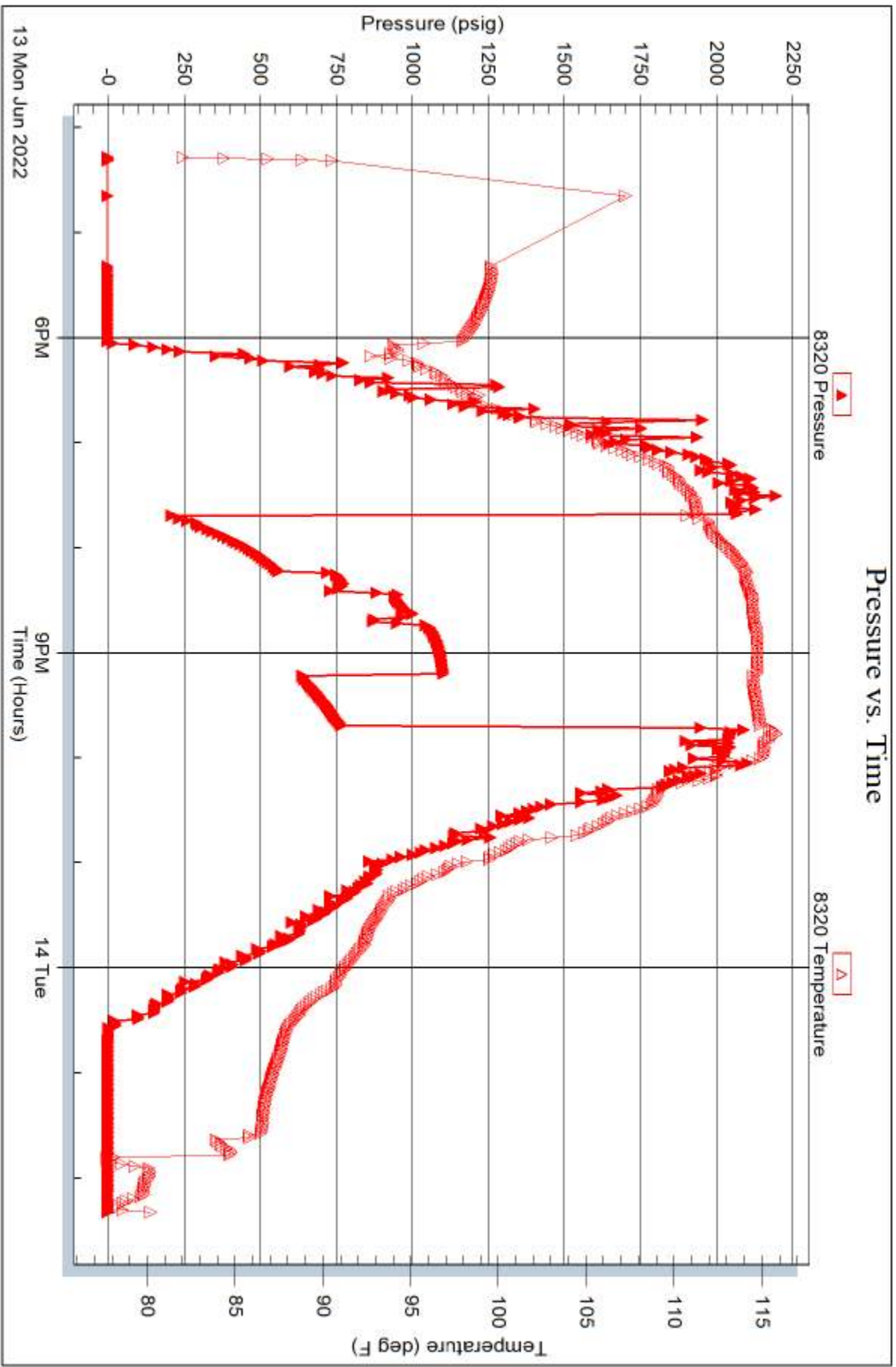


Serial #: 8320

Outside Palomino Petroleum LLC

Casa Blanca #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59508

Printed: 2022.06.14 @ 05:48:49



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum LLC**

4929 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Sieb

Casablanca #2

14-20s-34w Scott,KS

Start Date: 2022.06.13 @ 16:17:00

End Date: 2022.06.14 @ 02:19:00

Job Ticket #: 59508 DST #: 1

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

Printed: 2022.06.16 @ 16:42:14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum LLC
 4929 SE 84th St
 New ton, KS 67114-8827
 ATTN: Ryan Sieb

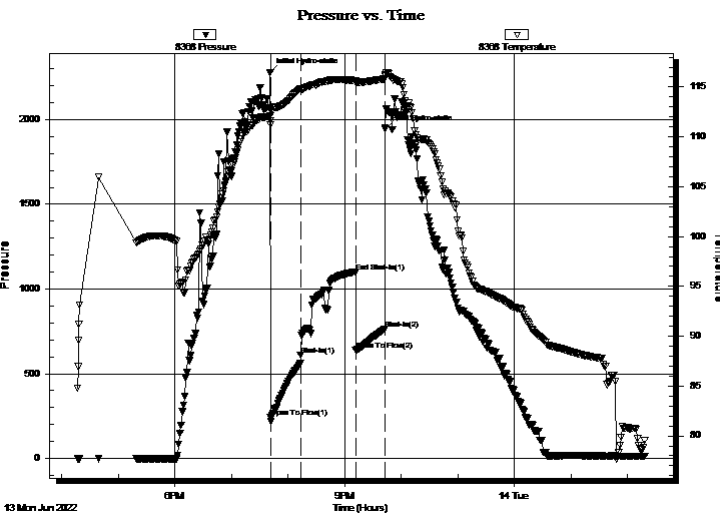
14-20s-34w Scott,KS
Casablanca #2
 Job Ticket: 59508 **DST#: 1**
 Test Start: 2022.06.13 @ 16:17:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:41:15
 Time Test Ended: 02:19:00
 Interval: **4370.00 ft (KB) To 4488.00 ft (KB) (TVD)**
 Total Depth: 4488.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Terrance
 Unit No: 75
 Reference Elevations: 3013.00 ft (KB)
 3003.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8368 **Inside**
 Press@RunDepth: 608.21 psig @ 4380.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.13 End Date: 2022.06.14 Last Calib.: 2022.06.13
 Start Time: 16:17:05 End Time: 02:19:00 Time On Btm: 2022.06.13 @ 19:41:00
 Time Off Btm: 2022.06.13 @ 21:42:45

TEST COMMENT: IF30BOB
 IS160BOB
 FF30BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2278.35	112.10	Initial Hydro-static
1	244.14	111.23	Open To Flow (1)
33	608.21	114.86	Shut-In(1)
91	1101.14	115.66	End Shut-In(1)
91	639.43	115.48	Open To Flow (2)
122	764.09	115.82	Shut-In(2)
122	1942.43	116.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% WATER	0.30
1704.00	100% OIL	23.13

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum LLC
4929 SE 84th St
New ton, KS 67114-8827
ATTN: Ryan Sieb

14-20s-34w Scott,KS
Casablanca #2
Job Ticket: 59508 **DST#: 1**
Test Start: 2022.06.13 @ 16:17:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:41:15

Time Test Ended: 02:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Terrance

Unit No: 75

Interval: **4370.00 ft (KB) To 4488.00 ft (KB) (TVD)**

Reference Elevations: 3013.00 ft (KB)

Total Depth: 4488.00 ft (KB) (TVD)

3003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 10.00 ft

Serial #: 8320 Outside

Press@RunDepth: psig @ 4380.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.13 End Date: 2022.06.14

Last Calib.: 1899.12.30

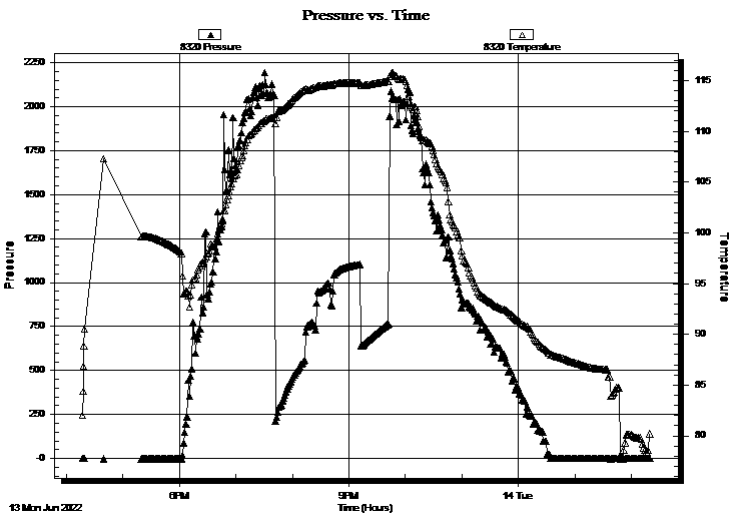
Start Time: 16:17:05 End Time: 02:19:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF30BOB
IS160BOB
FF30BOB

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% WATER	0.30
1704.00	100% OIL	23.13

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum LLC
4929 SE 84th St
New ton, KS 67114-8827
ATTN: Ryan Sieb

14-20s-34w Scott,KS
Casablanca #2
Job Ticket: 59508 **DST#: 1**
Test Start: 2022.06.13 @ 16:17:00

Tool Information

Drill Pipe:	Length: 4288.00 ft	Diameter: 3.87 inches	Volume: 62.39 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 63.56 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	187.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4370.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	118.00 ft				
Tool Length:	149.00 ft				
Number of Packers:	2	Diameter: 6.88 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4340.00	
Shut In Tool	5.00			4345.00	
Hydraulic tool	5.00			4350.00	
Jars	5.00			4355.00	
EM Tool	3.00			4358.00	
Safety Joint	3.00			4361.00	
Packer	5.00			4366.00	31.00 Bottom Of Top Packer
Packer	4.00			4370.00	
Stubb	1.00			4371.00	
Perforations	9.00			4380.00	
Recorder	0.00	8368	Inside	4380.00	
Recorder	0.00	8320	Outside	4380.00	
Change Over Sub	1.00			4381.00	
Drill Pipe	95.00			4476.00	
Change Over Sub	1.00			4477.00	
Perforations	8.00			4485.00	
Bullnose	3.00			4488.00	118.00 Bottom Packers & Anchor
Total Tool Length:	149.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum LLC
4929 SE 84th St
New ton, KS 67114-8827
ATTN: Ryan Sieb

14-20s-34w Scott,KS
Casablanca #2
Job Ticket: 59508 **DST#: 1**
Test Start: 2022.06.13 @ 16:17:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 21 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100%WATER	0.295
1704.00	100% OIL	23.134

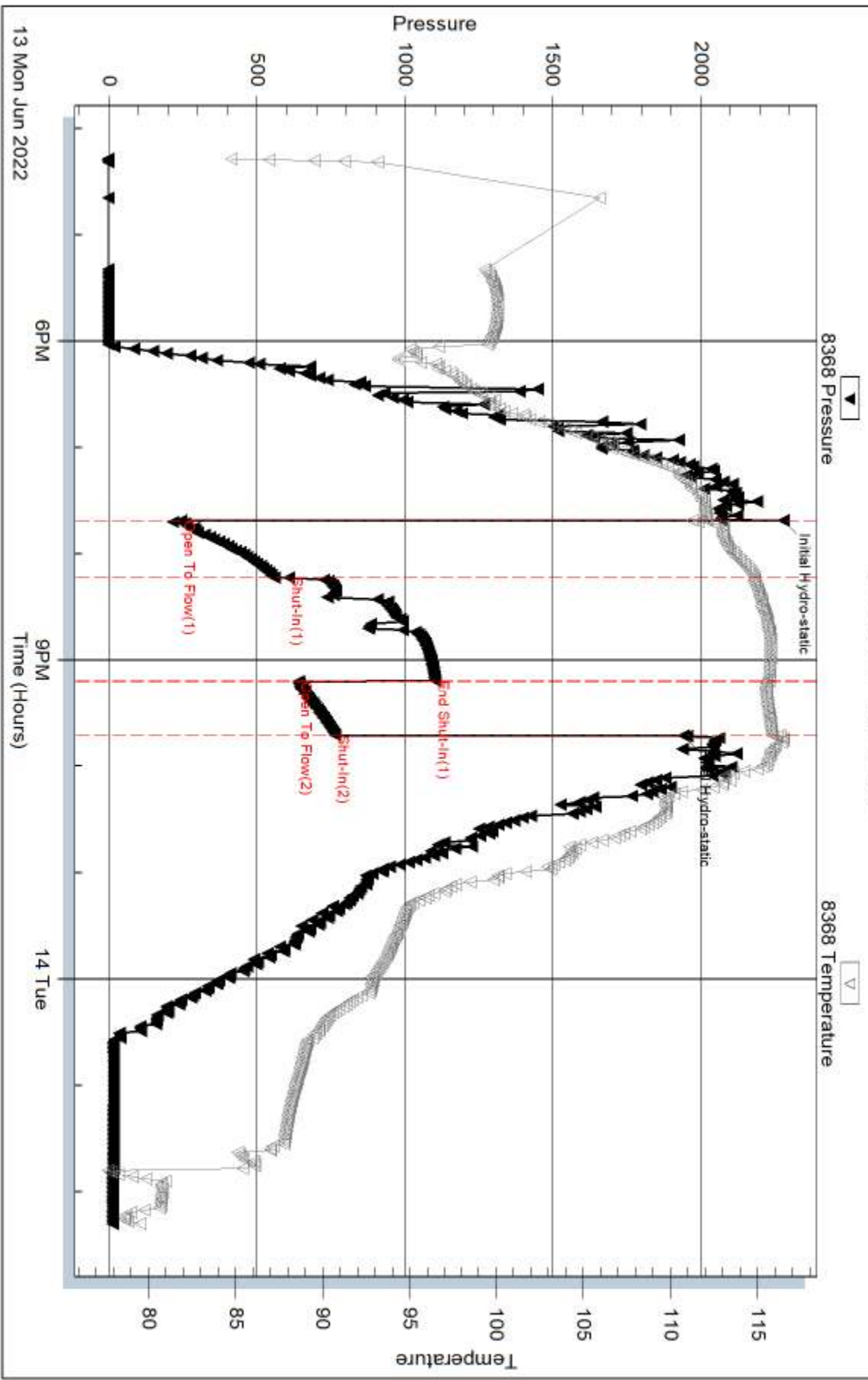
Total Length: 1764.00 ft Total Volume: 23.429 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

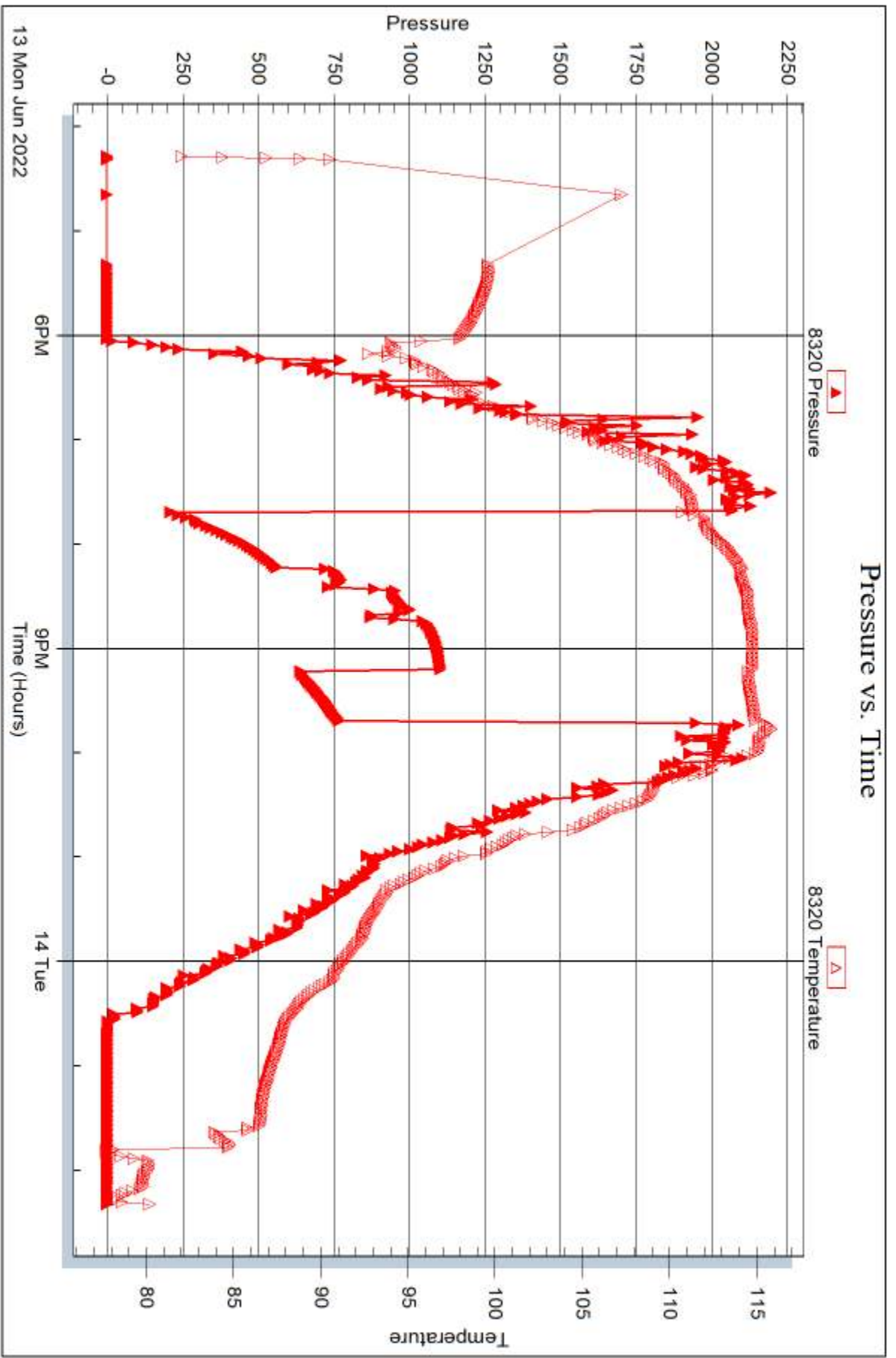


Serial #: 8320

Outside Palomino Petroleum LLC

Casablanca #2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 59508

Printed: 2022.06.16 @ 16:42:15



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum LLC**

4929 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Sieb

Casablanca #2

14-20s-34w Scott,KS

Start Date: 2022.06.14 @ 11:32:00

End Date: 2022.06.14 @ 19:49:45

Job Ticket #: 68112 DST #: 2

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

Printed: 2022.06.16 @ 16:41:44



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum LLC
 4929 SE 84th St
 New ton, KS 67114-8827
 ATTN: Ryan Sieb

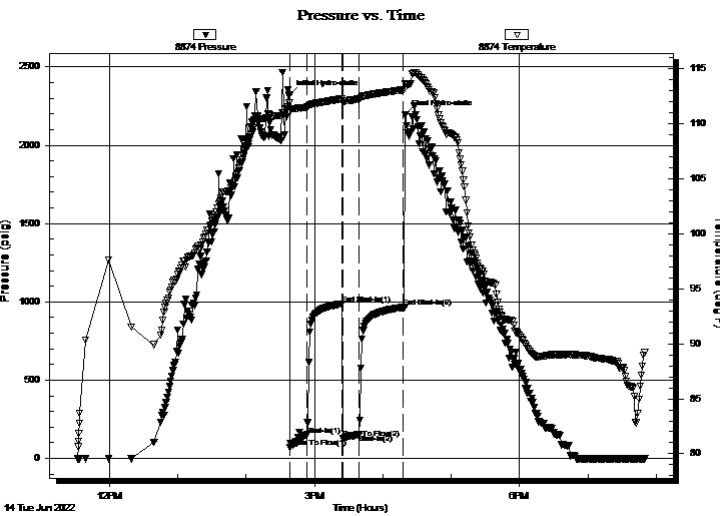
14-20s-34w Scott,KS
Casablanca #2
 Job Ticket: 68112 **DST#: 2**
 Test Start: 2022.06.14 @ 11:32:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:38:30
 Time Test Ended: 19:49:45
 Interval: **4484.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Walt
 Unit No: 75
 Reference Elevations: 3013.00 ft (KB)
 3003.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8874 Outside
 Press@RunDepth: 154.35 psig @ 4485.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.14 End Date: 2022.06.14 Last Calib.: 2022.06.14
 Start Time: 11:32:05 End Time: 19:49:44 Time On Btm: 2022.06.14 @ 14:38:00
 Time Off Btm: 2022.06.14 @ 16:19:45

TEST COMMENT: IF: BOB @ 2 1/2 min, built to 58.5"
 IS: 2.9" return.
 FF: BOB @ 2 1/2 min, built to 57'
 FS: 21.5" return 15-30-15-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2324.07	111.91	Initial Hydro-static
1	68.28	111.03	Open To Flow (1)
16	150.00	111.51	Shut-In(1)
46	986.99	112.28	End Shut-In(1)
47	127.95	112.06	Open To Flow (2)
62	154.35	112.26	Shut-In(2)
100	964.94	113.10	End Shut-In(2)
102	2195.28	113.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
238.00	gmw co 25g 20m 15w 40o	1.17
80.00	gmco 30g 10m 60o	1.16
40.00	go 20g 80o	0.58
0.00	1200' 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 LLC
4929 SE 84th St
New ton, KS 67114-8827
ATTN: Ryan Sieb

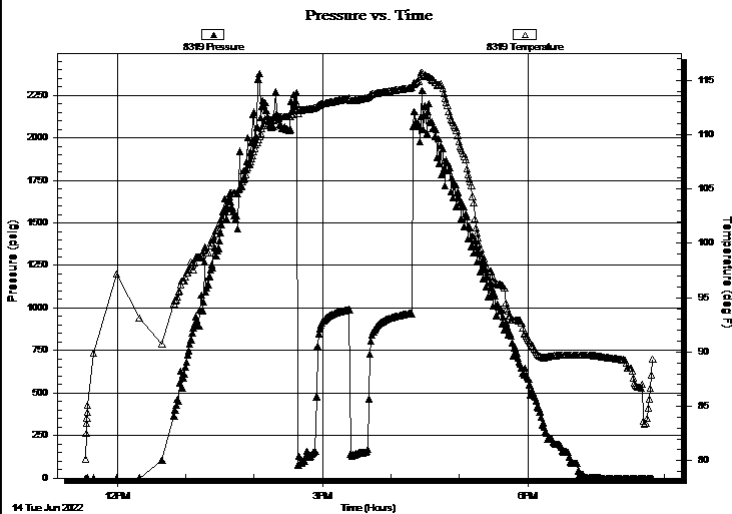
14-20s-34w Scott,KS
Casablanca #2
Job Ticket: 68112 **DST#: 2**
Test Start: 2022.06.14 @ 11:32:00

GENERAL INFORMATION:

Formation: Pawnee			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 14:38:30		Tester: Walt	
Time Test Ended: 19:49:45		Unit No: 75	
Interval: 4484.00 ft (KB) To 4540.00 ft (KB) (TVD)		Reference Elevations: 3013.00 ft (KB)	
Total Depth: 4540.00 ft (KB) (TVD)		3003.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 10.00 ft	

Serial #: 8319	Inside				
Press@RunDepth: psig @	4485.00 ft (KB)	Capacity: 8000.00 psig			
Start Date: 2022.06.14	End Date: 2022.06.14	Last Calib.: 2022.06.14			
Start Time: 11:32:05	End Time: 19:49:59	Time On Btm:			
		Time Off Btm:			

TEST COMMENT: IF: BOB @ 2 1/2 min, built to 58.5"
IS: 2.9" return.
FF: BOB @ 2 1/2 min, built to 57'
FS: 21.5" return 15-30-15-30



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
238.00	gmw co 25g 20m 15w 40o	1.17
80.00	gmco 30g 10m 60o	1.16
40.00	go 20g 80o	0.58
0.00	1200' GIP	0.00

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 LLC
4929 SE 84th St
New ton, KS 67114-8827
ATTN: Ryan Sieb

14-20s-34w Scott,KS
Casablanca #2
Job Ticket: 68112 **DST#: 2**
Test Start: 2022.06.14 @ 11:32:00

Tool Information

Drill Pipe:	Length: 4220.00 ft	Diameter: 3.87 inches	Volume: 61.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4484.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.88 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4455.00	
Shut In Tool	5.00			4460.00	
Hydraulic tool	5.00			4465.00	
Jars	5.00			4470.00	
EM Tool	3.00			4473.00	
Safety Joint	2.00			4475.00	
Packer	5.00			4480.00	30.00 Bottom Of Top Packer
Packer	4.00			4484.00	
Stubb	1.00			4485.00	
Recorder	0.00	8319	Inside	4485.00	
Recorder	0.00	8874	Outside	4485.00	
Perforations	19.00			4504.00	
Change Over Sub	1.00			4505.00	
Drill Pipe	31.00			4536.00	
Change Over Sub	1.00			4537.00	
Bullnose	3.00			4540.00	56.00 Bottom Packers & Anchor
Total Tool Length:	86.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum LLC
4929 SE 84th St
New ton, KS 67114-8827
ATTN: Ryan Sieb

14-20s-34w Scott,KS
Casablanca #2
Job Ticket: 68112 **DST#: 2**
Test Start: 2022.06.14 @ 11:32:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 93.00 lb/gal	Cushion Length: ft	Water Salinity: 35000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
238.00	gmw co 25g 20m 15w 40o	1.170
80.00	gmco 30g 10m 60o	1.164
40.00	go 20g 80o	0.582
0.00	1200' GIP	0.000

Total Length: 358.00 ft Total Volume: 2.916 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

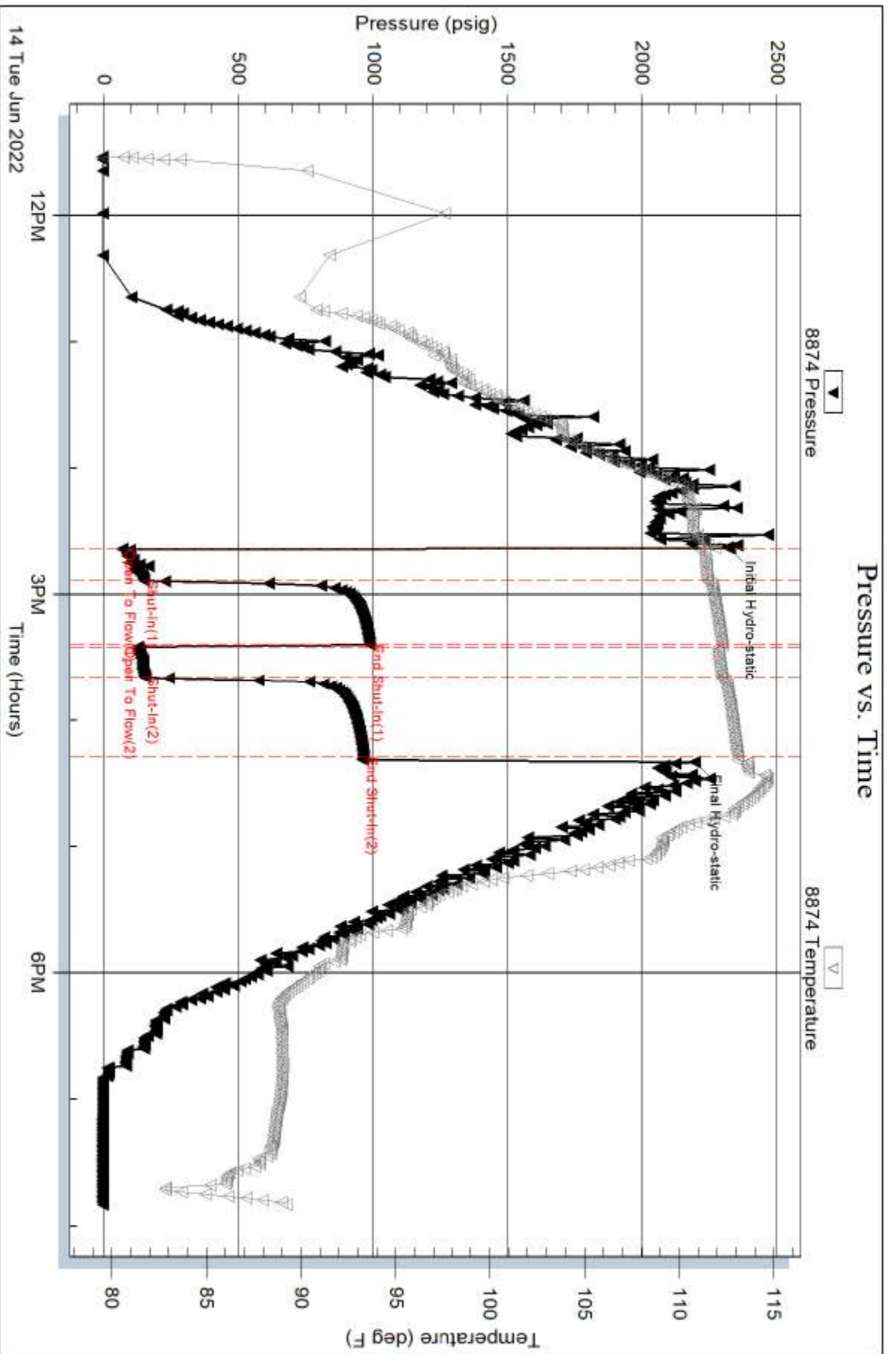
Recovery Comments: rw is ,155 @ 86f = 35000ppm

Serial #: 8874

Outside Palomino Petroleum LLC

Casablanca #2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 68112

Printed: 2022.06.16 @ 16:41:45

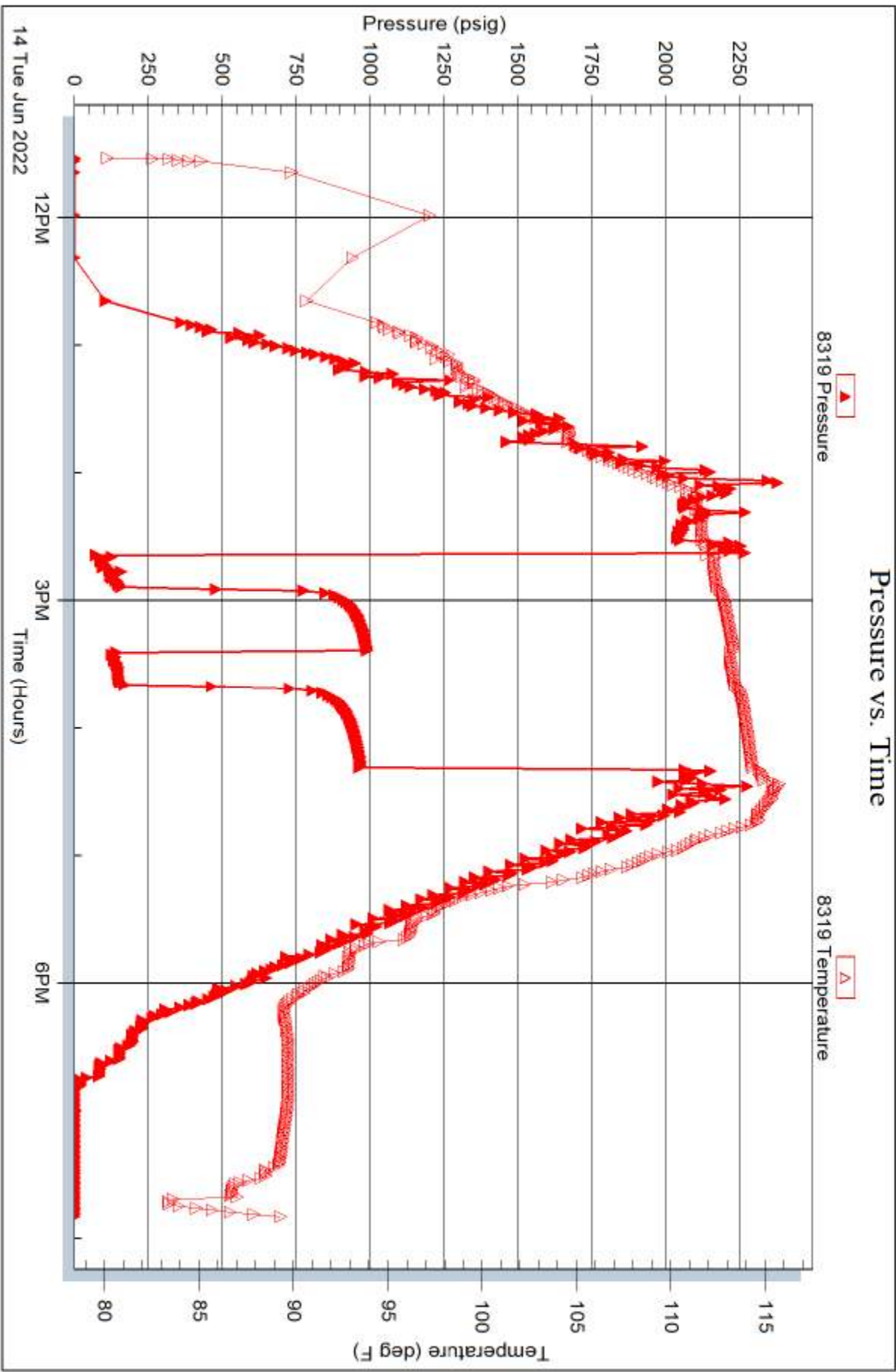
Serial #: 8319

Inside

Palomino Petroleum LLC

Casablanca #2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68112

Printed: 2022.06.16 @ 16:41:45



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59508

Well Name & No. Casa Blanca #2 Test No. 1 Date 6-13-22
 Company Galomino Petroleum Elevation 3013 KB _____ GL _____
 Address 4929 SE 84th St Newton, KS 67114 - 8827
 Co. Rep / Geo. Ryan Rig Murkin 21
 Location: Sec. 14 Twp. 20S Rge. 39W Co. Scott State KS

Interval Tested 4360-4480 Zone Tested Marmaton
 Anchor Length 118 Drill Pipe Run 4288 Mud Wt. 9.5
 Top Packer Depth 4365 Drill Collars Run 238 Vis 65
 Bottom Packer Depth 4360 Wt. Pipe Run _____ WL 3.0
 Total Depth 4480 Chlorides 4,000 ppm System LCM 4H
 Blow Description IF-30 Bob
ISI-60 Bob
FSI-30 Bob

Rec	Feet of	%gas	%oil	%water	%mud
<u>1704</u>			<u>100</u>		
<u>60</u>				<u>100</u>	

Rec Total 1764 BHT 116 Gravity 21 API RW 124 @ 77 °F Chlorides 27,000 ppm

(A) Initial Hydrostatic 2278 Test 1950 T-On Location 11.00
 (B) First Initial Flow 244 Jars 300 T-Started 16:17
 (C) First Final Flow 608 Safety Joint _____ T-Open 19:43
 (D) Initial Shut-In 1.101 Circ Sub _____ T-Pulled 21:43
 (E) Second Initial Flow 639 Hourly Standby _____ T-Out 2:20
 (F) Second Final Flow _____ Mileage 18x2 54 Comments _____
 (G) Final Shut-In _____ Sampler _____ Em Tool -350
 (H) Final Hydrostatic 1942 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total -350
 Initial Shut-In 60 Day Standby _____ Total 1954
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 2304

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68113

Well Name & No. Casablanca #2 Test No. 2 Date 6/14/2022
 Company Palomino Petroleum Elevation 3013 KB 3003 GL
 Address Newton Ks
 Co. Rep / Geo. Ryan Scib Rig Martin 21
 Location: Sec. 14 Twp 20S Rge. 34W Co. Scott State Ks

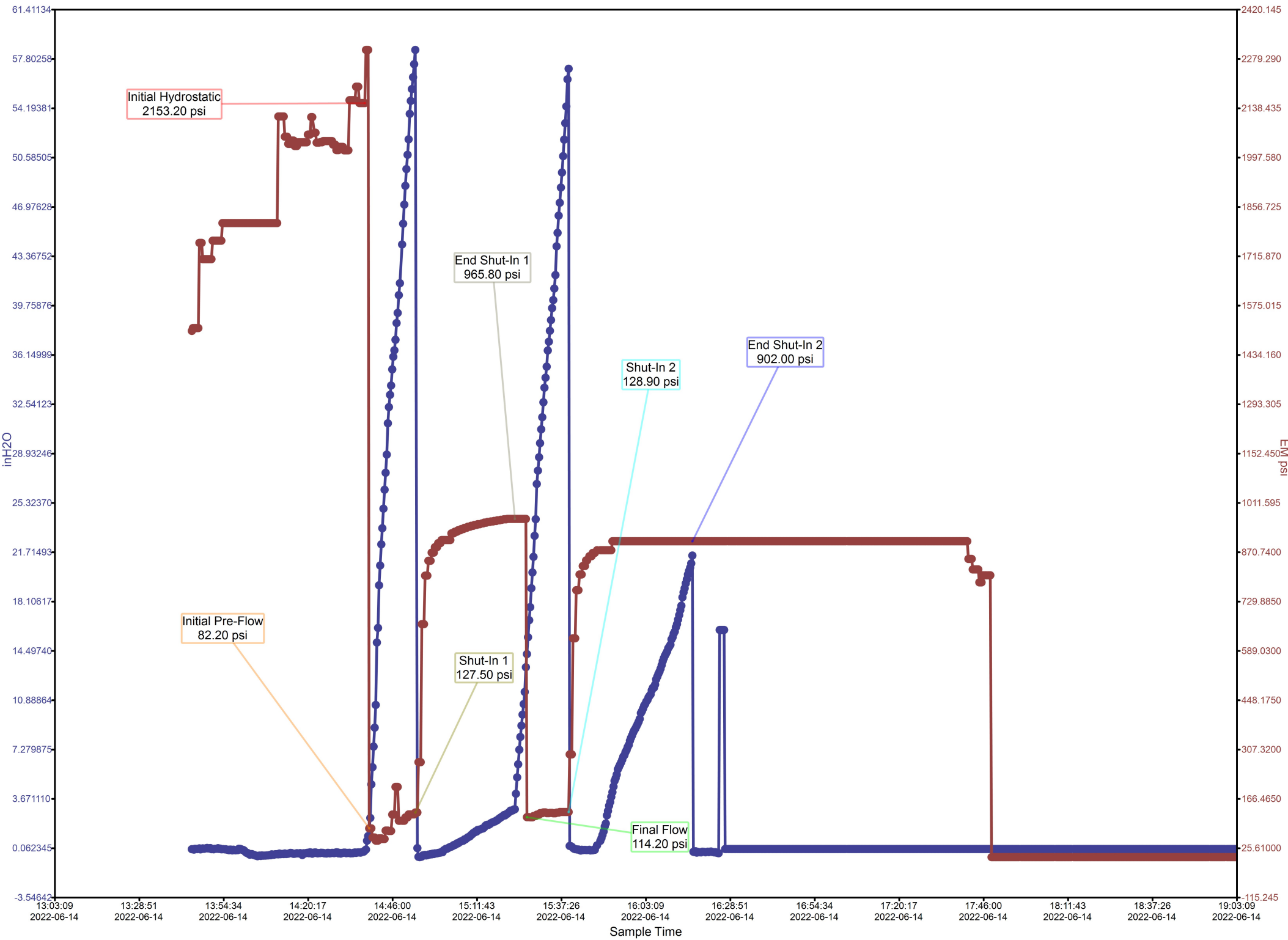
Interval Tested 4484 4540 Zone Tested Pardee
 Anchor Length 56 Drill Pipe Run 4220 Mud Wt. 9.3
 Top Packer Depth 4479 Drill Collars Run 238 Vis 65
 Bottom Packer Depth 4484 Wt. Pipe Run — WL 8.8
 Total Depth 4540 Chlorides 5000 ppm System LCM 4#
 Blow Description IF BOB @ 2 1/2 min 58.5"
FSI 2.9" return.
FF BOB @ 2 1/2 min 57"
FSI 21.5" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>GO</u>	<u>20</u>	<u>80</u>		
<u>80</u>	<u>GMC0</u>	<u>30</u>	<u>60</u>	<u>10</u>	
<u>238</u>	<u>CMWCO</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>20</u>
	<u>1200 GIP</u>				

Rec Total 358 BHT 114 Gravity 34 API RW 155 @ 86 ° F Chlorides 35,000 ppm
 (A) Initial Hydrostatic 2324 Test 1950 T-On Location 0845
 (B) First Initial Flow 68 Jars 300 T-Started 1132
 (C) First Final Flow 150 Safety Joint _____ T-Open 1437
 (D) Initial Shut-In 986 Circ Sub _____ T-Pulled 1617
 (E) Second Initial Flow 127 Hourly Standby _____ T-Out 1950
 (F) Second Final Flow 154 Mileage 46KT x2 54+54 Comments h/v Tool @ 1500
 (G) Final Shut-In 964 Sampler _____ 6/15
 (H) Final Hydrostatic 2195 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2358
 Sub Total 2358 MP/DST Disc _____

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.

Palomino Petroleum - Casablanca 2 - DST #2



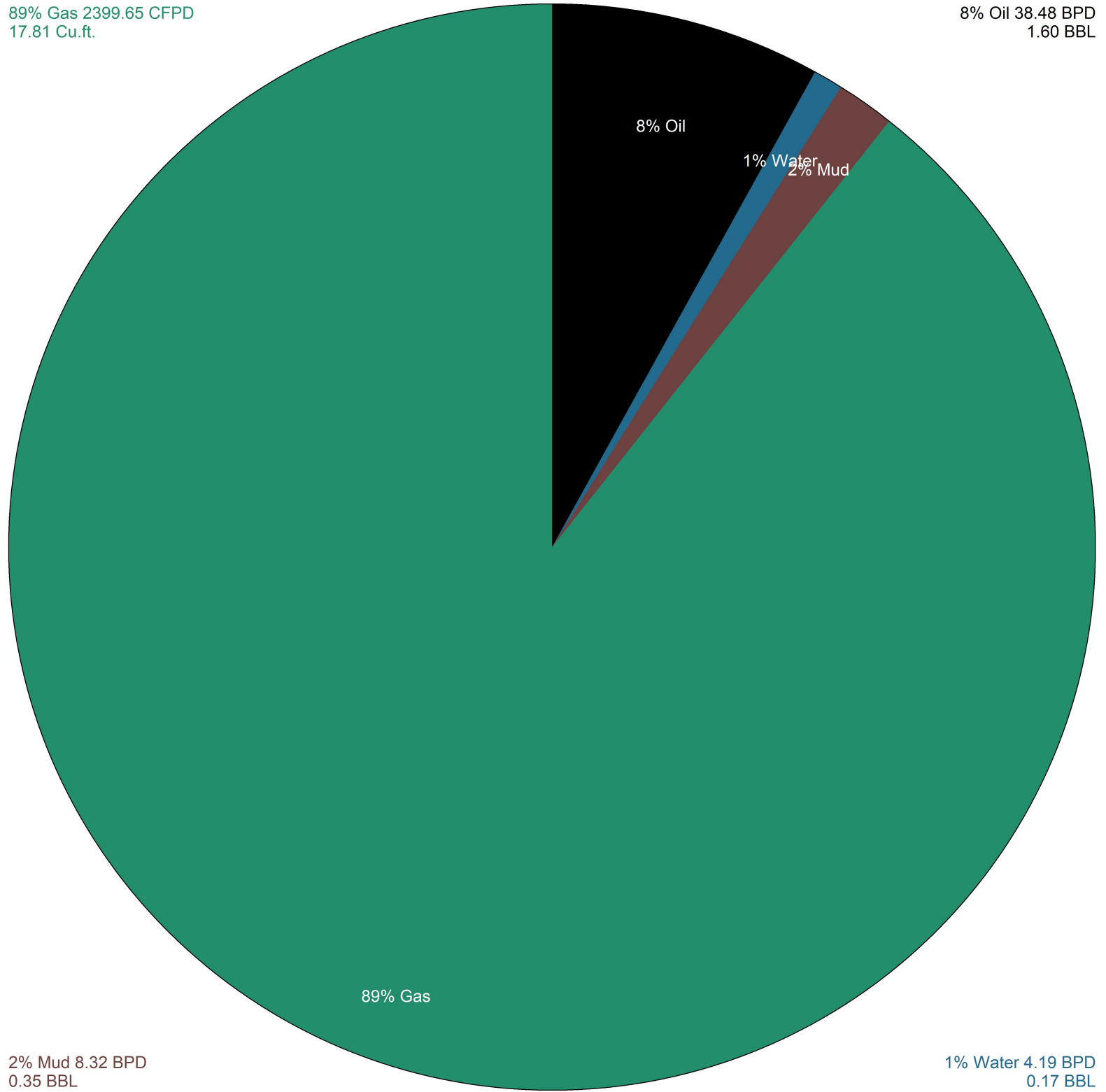
Calculated Recovery Analysis - Palomino Petroleum - Casablanca 2 - DST #2

89% Gas 2399.65 CFPD
17.81 Cu.ft.

8% Oil 38.48 BPD
1.60 BBL

2% Mud 8.32 BPD
0.35 BBL

1% Water 4.19 BPD
0.17 BBL





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum LLC
 4929 SE 84th St
 New ton , KS 67114-8827
 ATTN: Ryan Sieb

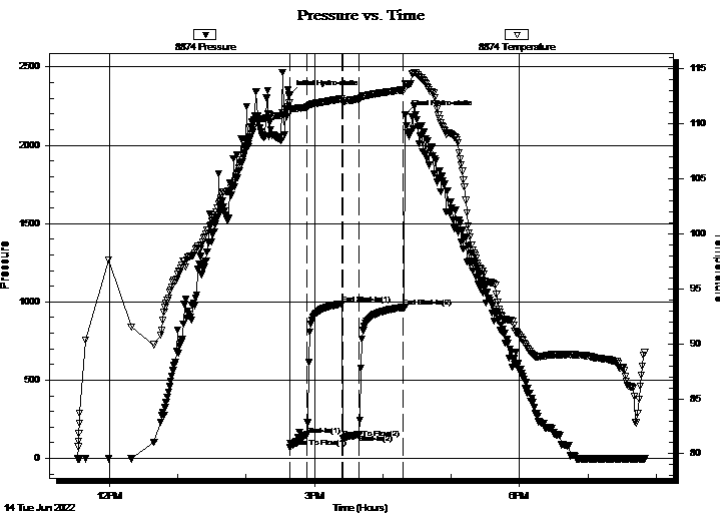
14-20s-34w Scott,KS
Casablanca #2
 Job Ticket: 68112 **DST#: 2**
 Test Start: 2022.06.14 @ 11:32:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:38:30
 Time Test Ended: 19:49:45
 Interval: **4484.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Walt
 Unit No: 75
 Reference Elevations: 3013.00 ft (KB)
 3003.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8874 Outside
 Press@RunDepth: 154.35 psig @ 4485.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.14 End Date: 2022.06.14 Last Calib.: 2022.06.14
 Start Time: 11:32:05 End Time: 19:49:44 Time On Btm: 2022.06.14 @ 14:38:00
 Time Off Btm: 2022.06.14 @ 16:19:45

TEST COMMENT: IF: BOB @ 2 1/2 min, built to 58.5"
 IS: 2.9" return.
 FF: BOB @ 2 1/2 min, built to 57'
 FS: 21.5" return 15-30-15-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2324.07	111.91	Initial Hydro-static
1	68.28	111.03	Open To Flow (1)
16	150.00	111.51	Shut-In(1)
46	986.99	112.28	End Shut-In(1)
47	127.95	112.06	Open To Flow (2)
62	154.35	112.26	Shut-In(2)
100	964.94	113.10	End Shut-In(2)
102	2195.28	113.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
238.00	gmw co 25g 20m 15w 40o	1.17
80.00	gmco 30g 10m 60o	1.16
40.00	go 20g 80o	0.58
0.00	1200' 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 LLC
 4929 SE 84th St
 New ton , KS 67114-8827
 ATTN: Ryan Sieb

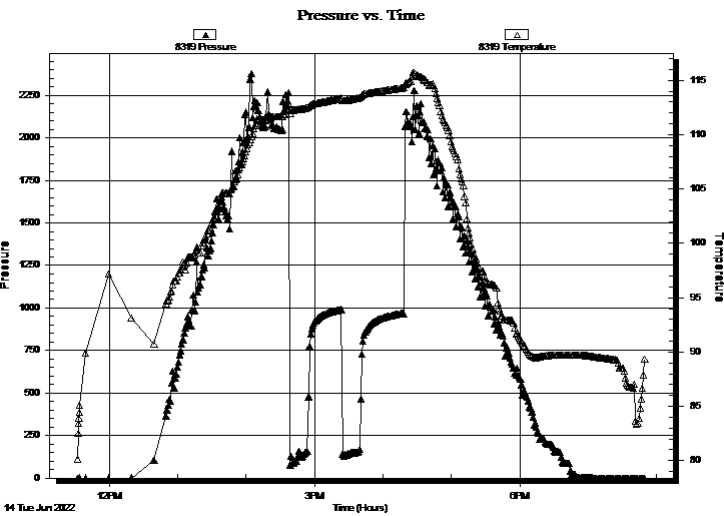
14-20s-34w Scott,KS
Casablanca #2
 Job Ticket: 68112 **DST#: 2**
 Test Start: 2022.06.14 @ 11:32:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:38:30
 Time Test Ended: 19:49:45
 Interval: **4484.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Walt
 Unit No: 75
 Reference Elevations: 3013.00 ft (KB)
 3003.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8319 Inside
 Press@RunDepth: psig @ 4485.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.14 End Date: 2022.06.14 Last Calib.: 2022.06.14
 Start Time: 11:32:05 End Time: 19:49:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB @ 2 1/2 min, built to 58.5"
 IS: 2.9" return.
 FF: BOB @ 2 1/2 min, built to 57'
 FS: 21.5" return 15-30-15-30



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
238.00	gmw co 25g 20m 15w 40o	1.17
80.00	gmco 30g 10m 60o	1.16
40.00	go 20g 80o	0.58
0.00	1200' 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 LLC
4929 SE 84th St
New ton , KS 67114-8827
ATTN: Ryan Sieb

14-20s-34w Scott,KS
Casablanca #2
Job Ticket: 68112 **DST#: 2**
Test Start: 2022.06.14 @ 11:32:00

Mud and Cushion Information

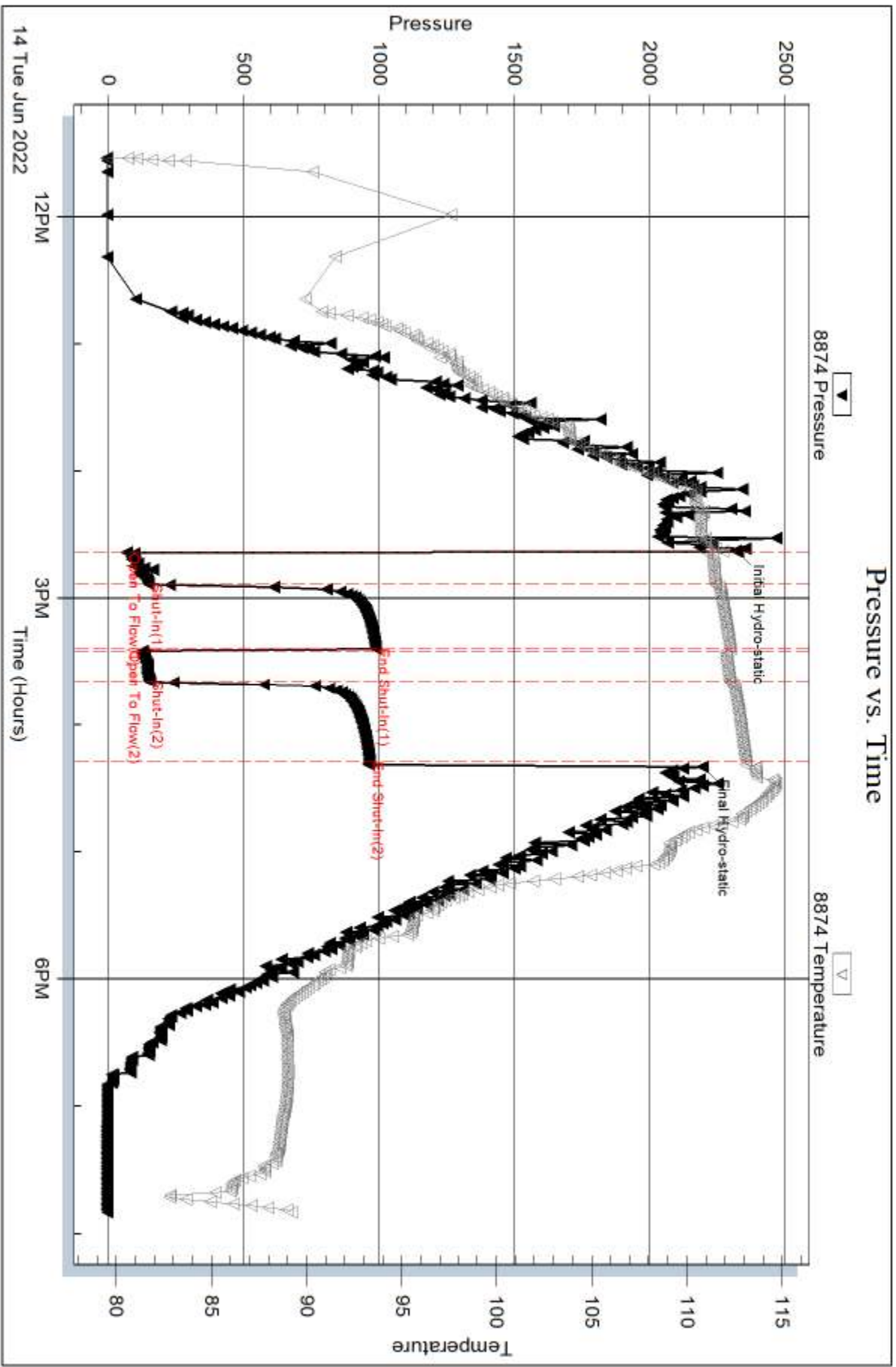
Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 93.00 lb/gal	Cushion Length: ft	Water Salinity: 35000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
238.00	gmw co 25g 20m 15w 40o	1.170
80.00	gmco 30g 10m 60o	1.164
40.00	go 20g 80o	0.582
0.00	1200' GIP	0.000

Total Length: 358.00 ft Total Volume: 2.916 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: rw is ,155 @ 86f = 35000ppm



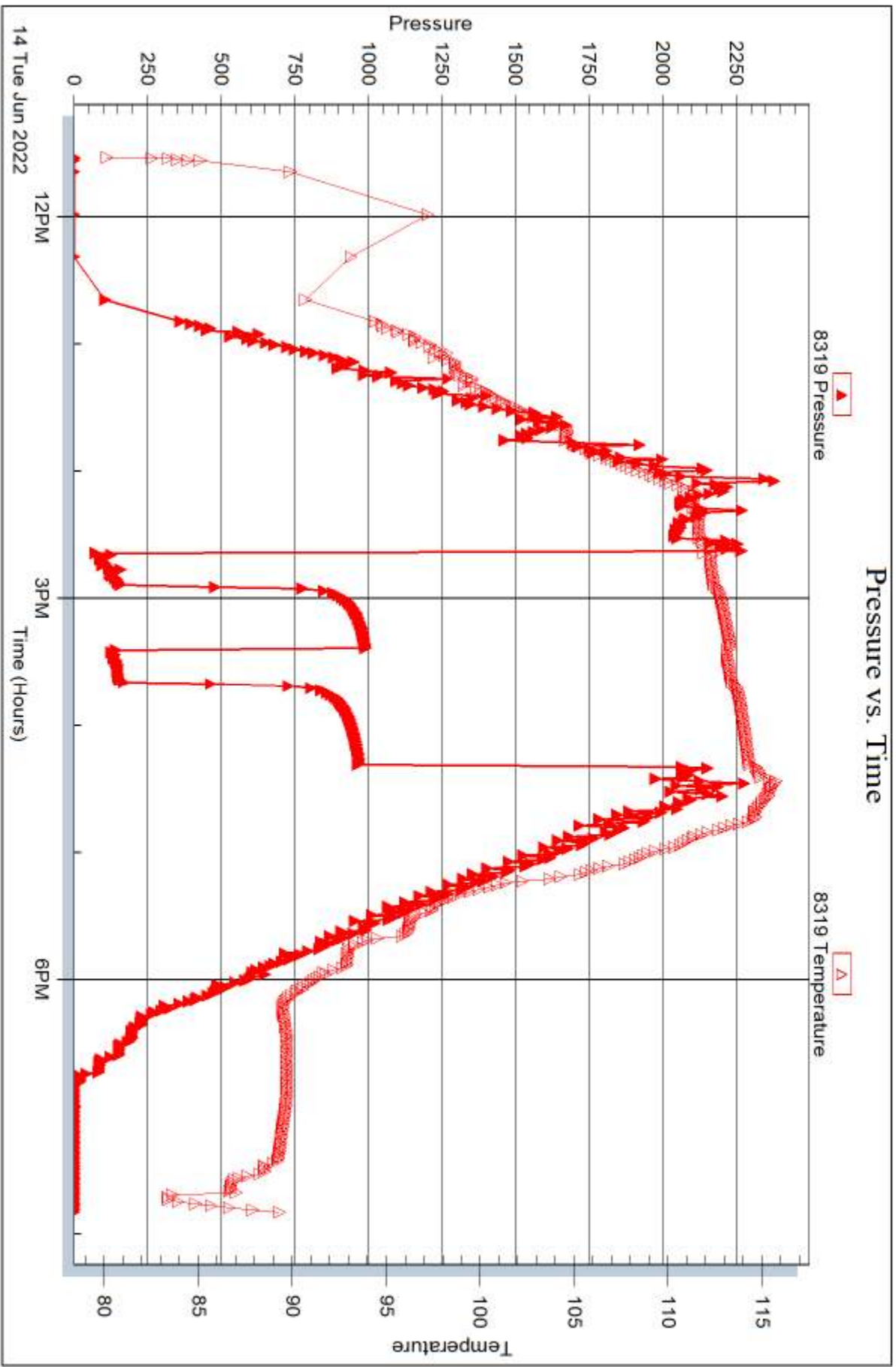
Serial #: 8319

Inside

Palomino Petroleum LLC

Casablanca #2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68112

Printed: 2022.06.14 @ 20:51:57