

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
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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



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
OCT 28 2021
BY: _____

Invoice Date: 10/11/2021
Invoice #: 0356199
Lease Name: Kelly Crist
Well #: 2 (New)
County: Scott, Ks
Job Number: WP1973
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	634.550	1.350	856.64
H-325	185.000	18.000	3,330.00

*Cement for surface for #2
10/11*

Total 5,464.64 ✓

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% 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!

SWIFT



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



Invoice

DATE	INVOICE #
10/25/2021	33952

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

RECEIVED
OCT 28 2021
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Kelly Crist	Scott	Murfin Drlg	Oil	Development	5 1/2; 2 stage lon...	Wayne

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	6.00	480.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString	1	Job	2,050.00	2,050.00
221	Liquid KCL (Clayfix)	6	Gallon(s)	25.00	150.00T
281	Mud Flush	500	Gallon(s)	1.50	750.00T
403-5	5 1/2" Cement Basket	1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	325.00	325.00T
408-5	5 1/2" D.V. Tool & Plug Set	1	Each	3,375.00	3,375.00T
409-5	5 1/2" Turbolizer	12	Each	90.00	1,080.00T
417-5	5 1/2" D.V. Latch Down Plug & Baffle	1	Each	200.00	200.00T
325	Standard Cement	100	Sacks	14.50	1,450.00T
330	Swift Multi-Density Standard (MIDCON II)	375	Sacks	18.00	6,750.00T
276	Flocele	125	Lb(s)	3.00	375.00T
283	Salt	500	Lb(s)	0.25	125.00T
284	Calseal	5	Sack(s)	40.00	200.00T
285	CFR-1	50	Lb(s)	5.00	250.00T
290	D-Air	10	Gallon(s)	42.00	420.00T
581D	Service Charge Cement	475	Sacks	2.00	950.00
583D	Drayage	1,911	Ton Miles	1.00	1,911.00
	Subtotal				21,116.00
	Sales Tax Scott County			8.50%	1,336.63

*cement for long string for #2
10/25*

We Appreciate Your Business!	Total	\$22,452.63
-------------------------------------	--------------	-------------



CHARGE TO: **PALOMINO PETROLEUM INC**

ADDRESS

CITY, STATE, ZIP CODE

TICKET 33952

PAGE 1 OF 2

1. SERVICE LOCATIONS NESS CITY, KS	WELL/PROJECT NO. #2	LEASE KELLY CRIST	COUNTY/PARISH SCOTT	STATE Ks	CITY	DATE 10-25-2021	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR MURFEN DRILL	RIG NAME/NO.	SHIPPED VIA ET	DELIVERED TO LOCATED	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" 2-STAGE LONGSTRING	WELL PERMIT NO.	WELL LOCATION SW/SIMMONS WATER, KS		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 114	80		ME		6.00	480.00
579		1			PUMP CHARGE 2-STAGE	1		JOB	4952 FT	2050.00	2050.00
221		1			LIQUID KCL	6		GAL		25.00	150.00
281		1			MUD FLUSH	500		GAL		1.50	750.00
403		1			CEMENT BASKET	1		EA	5 1/2"	275.00	275.00
407		1			INSERT FLOAT SHOE W/AUTO FILL	1		EA	5 1/2"	325.00	325.00
408		1			D.V. TOOL - PLUG SET	1		EA	2358 FT	3375.00	3375.00
409		1			TURBOIZERS	12		EA	5 1/2"	90.00	1080.00
417		1			D.V. LATCH DOWN PLUG - BAFFLE	1		EA		200.00	200.00

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 *[Signature]*

DATE SIGNED **10-25-2021** TIME SIGNED **0700** 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	8685.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2 <i>[Signature]</i> TAX SCOTT	12431.00
WE UNDERSTOOD AND MET YOUR NEEDS?					21,116.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					1336.63
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	22,452.63
<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 **Wayne Wilson** APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10-25-21 PAGE NO. 1

CUSTOMER PALEMZAC Petroleum Inc WELL NO. #2 LEASE KELLY CRIST JOB TYPE 2-STAGE LOWSTRIKE TICKET NO. 33952

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0645							ON LOCATED
								TD - 4952 SET @ 4954 4936 TP - 4952 4938 5 1/2 # 17 ST - 42 TURBOLIZERS - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 65 CMT BSKT - 64 DV TOOL @ 2358 2344 TOP JT # 64
	0930							START 5 1/2" CASING IN WELL
	1330							DROP BALL - CIRCULATE
	1440	6	12		✓		500	PUMP 500 GAL MUD FLUSH
	1442	6	20		✓		500	PUMP 20 BBS KCL - FLUSH
	1455	4 1/2	48		✓		350	MAX CEMENT - 125 SWS SMD @ 12.5 PPG
		4	24		✓		150	100 SWS EA-2 @ 15.4 PPG
	1515							WASH OUT PUMP - LINES
	1515							RELEASE 1 ST STAGE L.D. PLUG
	1520	7	0		✓			DISPLACE PLUG (1 ST TANK KCL)
	1540	5 1/2	114				1500	PLUG DOWN - PSZ UP - LATCH PLUG
	1545						OK	RELEASE PSZ - HELD
	1550							DROP D.V. OPENING PLUG
	1605				✓			OPEN D.V. TOOL - CIRCULATE
	1610	6	20				300	PUMP 20 BBS KCL - FLUSH
	1450		7					PLUG RH (30 SWS) 1 ST STAGE SMD
	1620	6	139		✓		200	MAX CEMENT - 250 SWS SMD @ 11.2 PPG
	1645							WASH OUT PUMP - LINES
	1645							RELEASE D.V. CLOSING PLUG
	1650	6	0		✓			DISPLACE PLUG
	1700	3	54.7				1750	PLUG DOWN - PSZ UP CLOSE D.V. TOOL
	1705						OK	RELEASE PSZ - HELD
								CIRCULATED 35 SWS CEMENT TO POT
								WASH TRUCK
	1800							JOB COMPLETE

THANK YOU
WAYNE, PRESTON, JOHN, MARK



Home
(785) 798-2400

Andrew Stenzel Geologist

Ness City, Kansas



Cell
(785) 798-5977

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Kelly Crist #2	
API: 15-171-21279-00-00	
Location: Sec. 28-20S-34W (Scott County)	
License Number: 30742	Region: KANSAS
Spud Date: 10/11/21	Drilling Completed: 10/25/21
Surface Coordinates: 2082' FNL & 890' FEL	

Bottom Hole Coordinates:	
Ground Elevation (ft): 3064	K.B. Elevation (ft): 3072
Logged Interval (ft): 3700 To: TD	Total Depth (ft): 4950
Formation: MISSISSIPPIAN	
Type of Drilling Fluid: Mud-Co Chemical	

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Palomino Petroleum, Inc.
Address: 4924 SE 84th St.
 Newton, KS 67114

GEOLOGIST

Name: Andrew Stenzel
Company: Petroleum Geologist
Address: 501 S. Franklin
 Ness City, KS 67560

Drilling Report

DAILY DRILLING REPORT:

10/11/21 MIRU, ran surface casing
10/12/21 Drilling @ 669'
10/13/21 Drilling @ 2020'
10/14/21 Drilling @ 3200'
10/15/21 Drilling @ 3846'
10/16/21 Drilling @ 4362'
10/17/21 Making up test tool for DST #1, DST #1
10/18/21 Tripping out with DST #2, DST #2
10/19/21 Tripping in hole with bit @ 4550', DST #3, DST #4
10/20/21 Tripping in hole with bit @ 4580', DST #5
10/21/21 Drilling @ 4684'
10/22/21 Broke down @ 4770', preparing to change out draw works
10/23/21 Tripping out of hole for DST #6, DST #6
10/24/21 Circulating to condition hole @ 4952', ran electric logs
10/25/21 Ran production casing

Services

RIG: Murfin Drilling, Rig # 112

MUD: MUDCO

LOGS: Gemini Wireline; DIL, ML, CNDL, PE

Casing Record

SURFACE Casing: Ran 5 jts 8 5/8", 23# casing set at 215'

PRODUCTION Casing: Ran 121 jts used White Band 5 1/2", 17# casing set 16' off bottom at 4936. DV tool @ 2344'

Formation Tops

Sample Tops		LogTops	
Anhy.	2223 (+849)	Anhy.	2215 (+857)
Base Anhy.	2235 (+837)	Base Anhy.	2229 (+843)
Heebner	3931 (-859)	Heebner	3926 (-854)
Lansing	3978 (-906)	Lansing	3976 (-904)
Stark Sh	4312 (-1240)	Stark Sh	4306 (-1234)
BKC	4438 (-1366)	BKC	4438 (-1366)
Marmaton	4461 (-1389)	Marmaton	4472 (-1400)
Pawnee	4552 (-1480)	Pawnee	4547 (-1475)
Myrick St.	4584 (-1512)	Myrick St.	4574 (-1502)
Ft. Scott	4602 (-1530)	Ft. Scott	4592 (-1520)
Cher. Sh.	4632 (-1560)	Cher. Sh.	4620 (-1548)
Morrow Sh.	4791 (-1719)	Morrow Sh.	4770 (-1698)
Miss.	4858 (-1786)	Miss.	4852 (-1780)
RTD	4952 (-1880)	LTD	4952 (-1880)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66972

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.10.17 @ 07:27:00

GENERAL INFORMATION:

Formation: **Altamont A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:29:45

Time Test Ended: 14:55:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: **4432.00 ft (KB) To 4489.00 ft (KB) (TVD)**

Total Depth: 4489.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3072.00 ft (KB)

3064.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8874 Inside

Press@RunDepth: 18.38 psig @ 4433.00 ft (KB)

Start Date: 2021.10.17

End Date: 2021.10.17

Start Time: 07:27:05

End Time: 14:55:29

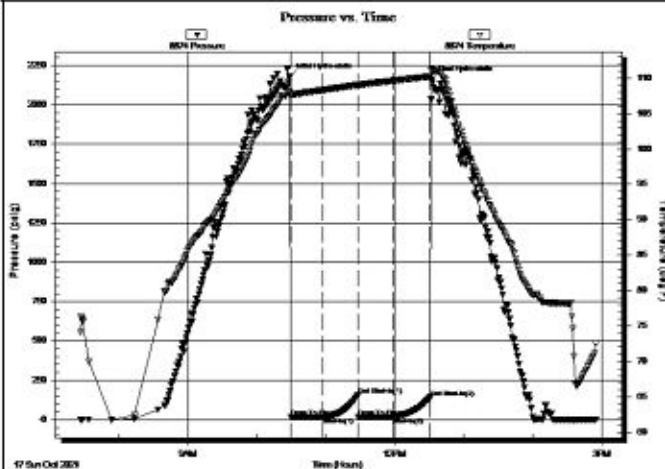
Capacity: 8000.00 psig

Last Calib.: 2021.10.17

Time On Btm: 2021.10.17 @ 10:28:30

Time Off Btm: 2021.10.17 @ 12:32:15

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.03	108.04	Initial Hydro-static
2	16.27	107.43	Open To Flow (1)
29	17.65	108.32	Shut-In(1)
60	154.46	109.04	End Shut-In(1)
60	16.79	108.97	Open To Flow (2)
90	18.38	109.63	Shut-In(2)
122	140.39	110.24	End Shut-In(2)
124	2161.16	111.28	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66974

DST#:2

ATTN: Andrew Stenzel

Test Start: 2021.10.17 @ 23:57:00

GENERAL INFORMATION:

Formation: **Altamont B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:58:15

Time Test Ended: 08:48:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4481.00 ft (KB) To 4506.00 ft (KB) (TVD)**

Total Depth: 4506.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3072.00 ft (KB)

3064.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8874 Inside

Press@RunDepth: 17.02 psig @ 4483.00 ft (KB)

Start Date: 2021.10.17

End Date: 2021.10.18

Start Time: 23:57:05

End Time: 08:48:45

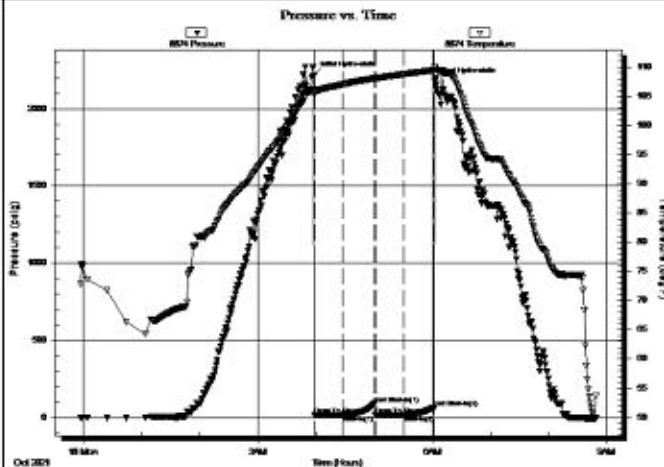
Capacity: 8000.00 psig

Last Calib.: 2021.10.18

Time On Btmr: 2021.10.18 @ 03:58:00

Time Off Btmr: 2021.10.18 @ 06:02:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.62	106.24	Initial Hydro-static
1	15.48	105.08	Open To Flow (1)
30	16.97	107.01	Shut-In(1)
63	89.94	108.06	End Shut-In(1)
63	15.31	108.03	Open To Flow (2)
93	17.02	108.78	Shut-In(2)
124	61.58	109.46	End Shut-In(2)
125	2180.14	109.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100m (oil spots in tool)	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, Inc.
 4924 SE 84th St.
 Newton, Ks 67114
 ATTN: Andrew Stenzel

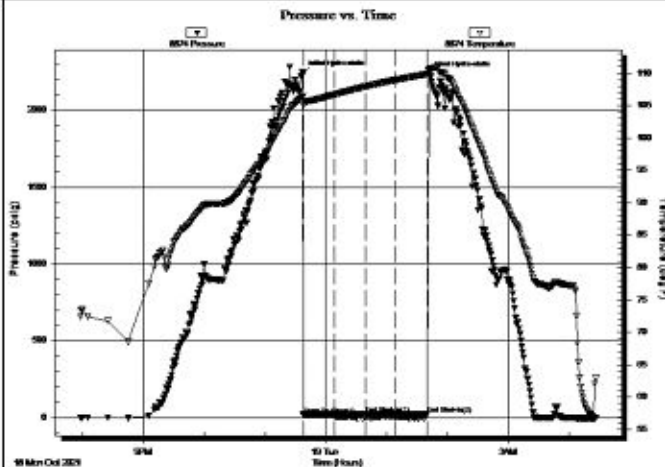
28 20s 34w Scott, Ks
Kelly Crist #2
 Job Ticket: 66975 **DST#:3**
 Test Start: 2021.10.18 @ 19:58:00

GENERAL INFORMATION:

Formation: **Altamont C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:37:45
 Time Test Ended: 04:27:30
 Interval: **4505.00 ft (KB) To 4550.00 ft (KB) (TVD)**
 Total Depth: 4550.00 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: 3072.00 ft (KB)
 3064.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8874 Inside
 Press@RunDepth: 20.65 psig @ 4506.00 ft (KB)
 Start Date: 2021.10.18 End Date: 2021.10.19
 Start Time: 19:58:05 End Time: 04:27:29
 Capacity: 8000.00 psig
 Last Calib.: 2021.10.19
 Time On Btmr: 2021.10.18 @ 23:37:30
 Time Off Btmr: 2021.10.19 @ 01:42:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.16	106.39	Initial Hydro-static
1	18.18	105.04	Open To Flow (1)
31	20.85	106.68	Shut-In(1)
62	22.13	107.92	End Shut-In(1)
62	20.19	107.93	Open To Flow (2)
92	20.65	108.94	Shut-In(2)
123	21.17	109.86	End Shut-In(2)
125	2231.34	110.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100m	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 67726

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2021.10.19 @ 17:02:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:23:15

Time Test Ended: 00:45:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4545.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Total Depth: 4580.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3072.00 ft (KB)

3064.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8319 Outside

Press@RunDepth: 209.40 psig @ 4546.00 ft (KB)

Start Date: 2021.10.19

End Date: 2021.10.20

Capacity: 8000.00 psig

Last Calib.: 2021.10.20

Start Time: 17:02:05

End Time: 00:45:29

Time On Btm: 2021.10.19 @ 19:22:45

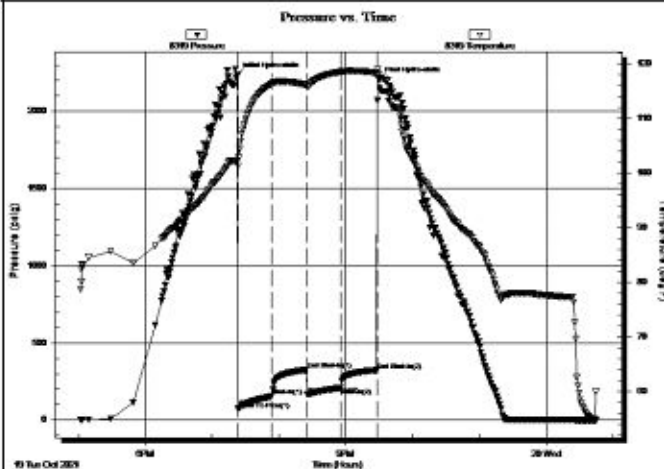
Time Off Btm: 2021.10.19 @ 21:29:45

TEST COMMENT: IF: BOB @ 5.5 min. 32.4"

IS: 4.6" return.

FF: BOB @ 14 min. 19.4"

FS: 2.2" return. 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.25	102.34	Initial Hydro-static
1	69.69	101.25	Open To Flow (1)
32	154.91	116.38	Shut-In(1)
63	325.13	116.15	End Shut-In(1)
63	166.54	115.74	Open To Flow (2)
93	209.40	118.56	Shut-In(2)
126	323.91	118.29	End Shut-In(2)
127	2205.58	118.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mcw 5m 95w (oil spots)	2.57
110.00	gsomcw 10g 10o 20m 60w	1.54
50.00	go 15g 85o	0.70
0.00	100' 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, Inc.
 4924 SE 84th St.
 Newton, Ks 67114
 ATTN: Andrew Stenzel

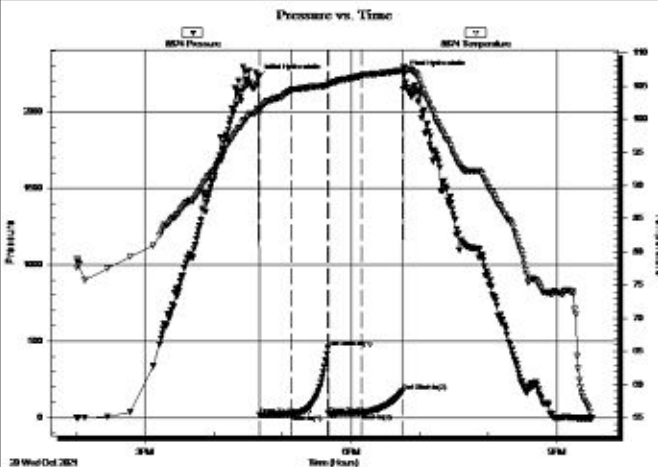
28 20s 34w Scott, Ks
Kelly Crist #2
 Job Ticket: 67727 **DST#: 5**
 Test Start: 2021.10.20 @ 14:00:00

GENERAL INFORMATION:

Formation: **Myric Station**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:39:45
 Time Test Ended: 21:31:30
 Interval: **4578.00 ft (KB) To 4610.00 ft (KB) (TVD)**
 Total Depth: 4610.00 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: 3072.00 ft (KB)
 3064.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8874 Inside
 Press@RunDepth: 30.85 psig @ 4579.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.20 End Date: 2021.10.20 Last Calib.: 2021.10.20
 Start Time: 14:00:05 End Time: 21:31:29 Time On Btmr: 2021.10.20 @ 16:39:30
 Time Off Btmr: 2021.10.20 @ 18:46:15

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2226.85	101.70	Initial Hydro-static
1	16.95	100.82	Open To Flow (1)
29	22.49	104.38	Shut-In(1)
61	454.54	105.13	End Shut-In(1)
61	25.34	105.08	Open To Flow (2)
90	30.85	106.55	Shut-In(2)
126	171.52	107.33	End Shut-In(2)
127	2247.53	107.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots in tool)	0.10

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.
 4924 SE 84th St.
 Newton, KS 67114
 ATTN: Andrew Stenzel

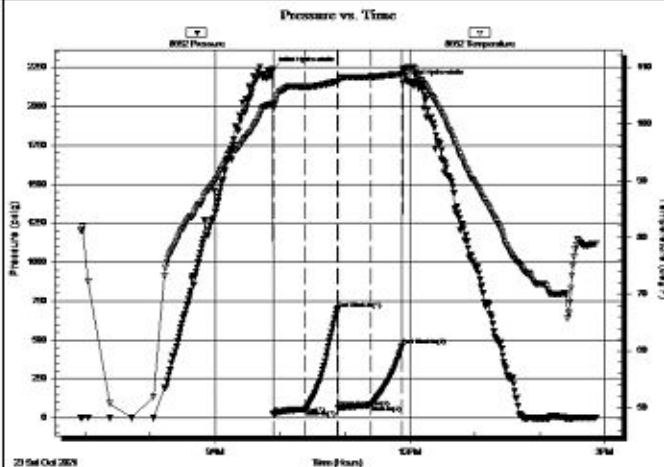
28 20s 34w Scott, KS
Kelly Crist #2
 Job Ticket: 68259 **DST#: 6**
 Test Start: 2021.10.23 @ 06:56:00

GENERAL INFORMATION:

Formation: **Ft Scott- Atoka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:53:45
 Time Test Ended: 14:52:15
 Interval: **4598.00 ft (KB) To 4770.00 ft (KB) (TVD)**
 Total Depth: 4489.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 3072.00 ft (KB)
 3064.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 82.41 psig @ 4599.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.23 End Date: 2021.10.23 Last Calib.: 2021.10.23
 Start Time: 06:56:05 End Time: 14:52:14 Time On Btm: 2021.10.23 @ 09:53:30
 Time Off Btm: 2021.10.23 @ 11:53:15

TEST COMMENT: IF-30- Built to 4"
 SI1-30- No return
 FF-30- Built to 7 1/4"
 SI2-30- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.60	103.53	Initial Hydro-static
1	25.07	102.61	Open To Flow (1)
30	55.90	106.54	Shut-In(1)
60	699.44	107.48	End Shut-In(1)
60	66.09	107.44	Open To Flow (2)
91	82.41	108.28	Shut-In(2)
120	461.54	108.79	End Shut-In(2)
120	2150.74	109.81	Final Hydro-static

Recovery


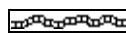
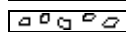
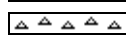
Length (ft)	Description	Volume (bbl)
60.00	GMCO 10% gas 10% mud 80% oil	0.30
75.00	HOCM 70% mud 30% oil	0.37

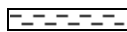



* Recovery from multiple tests





Gas Rates

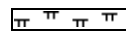

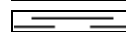
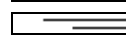
Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

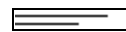



ROCK TYPES

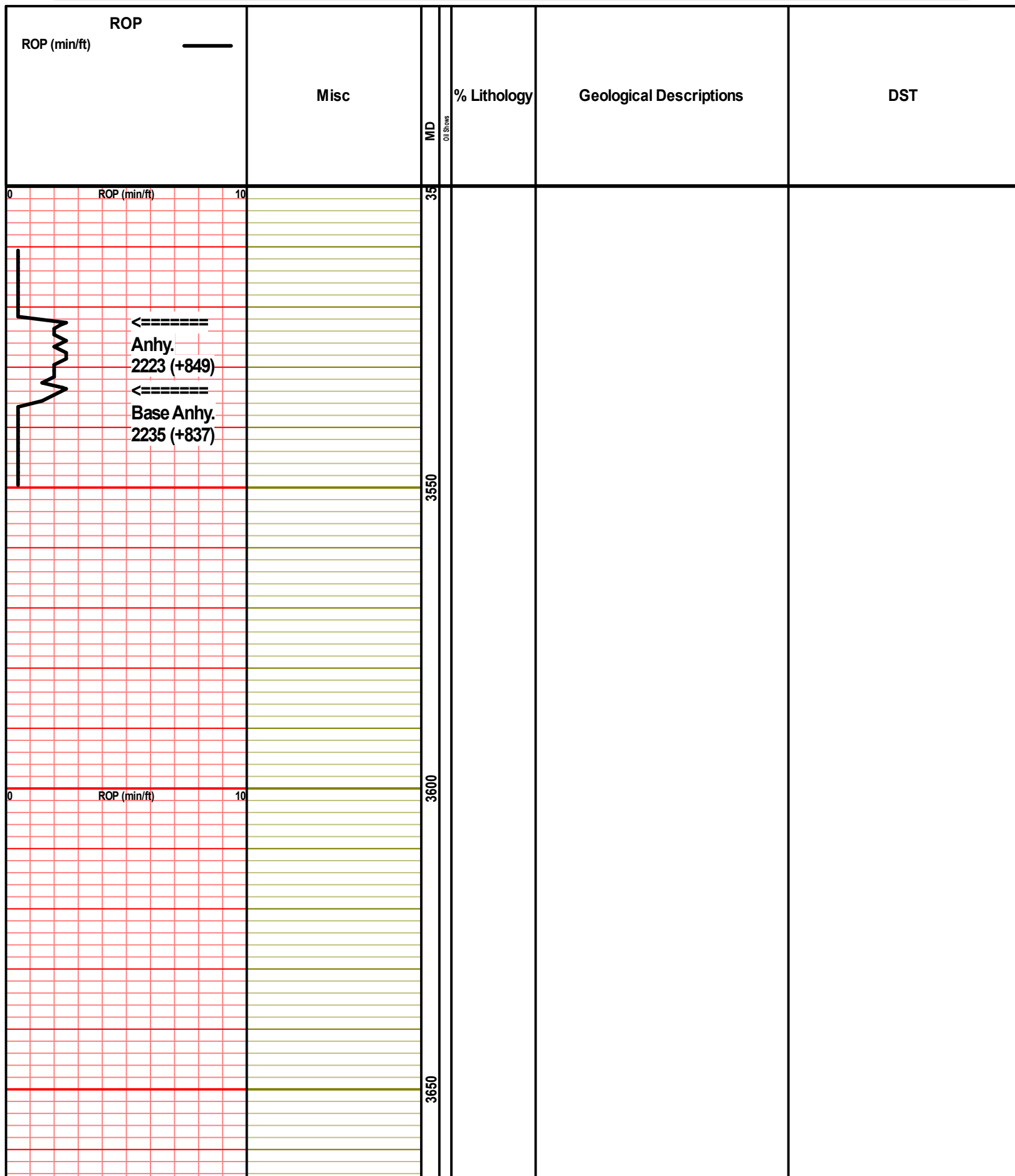
-  Anhy
-  Bent
-  Brec
-  Cht

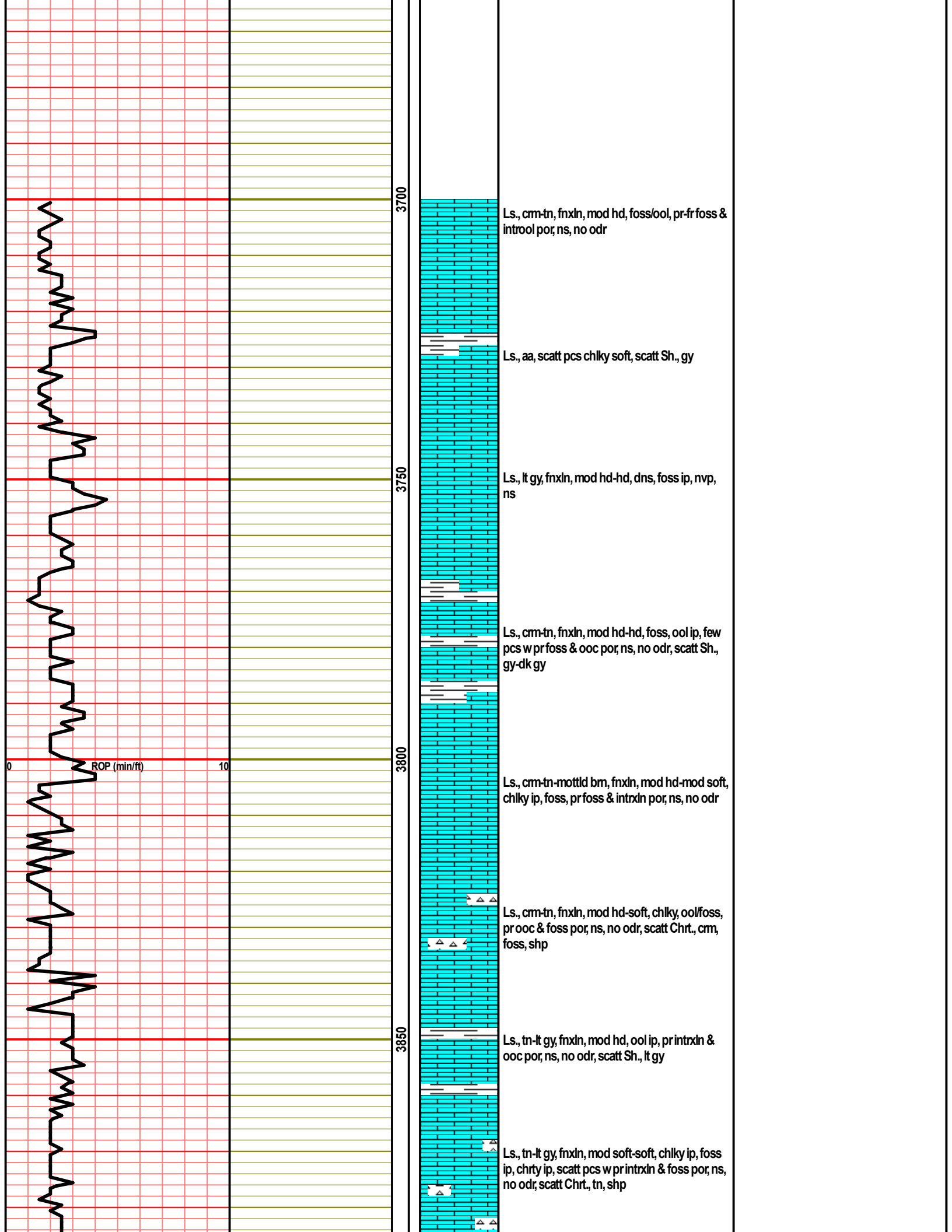
-  Clyst
-  Carb shale
-  Congl
-  Dol

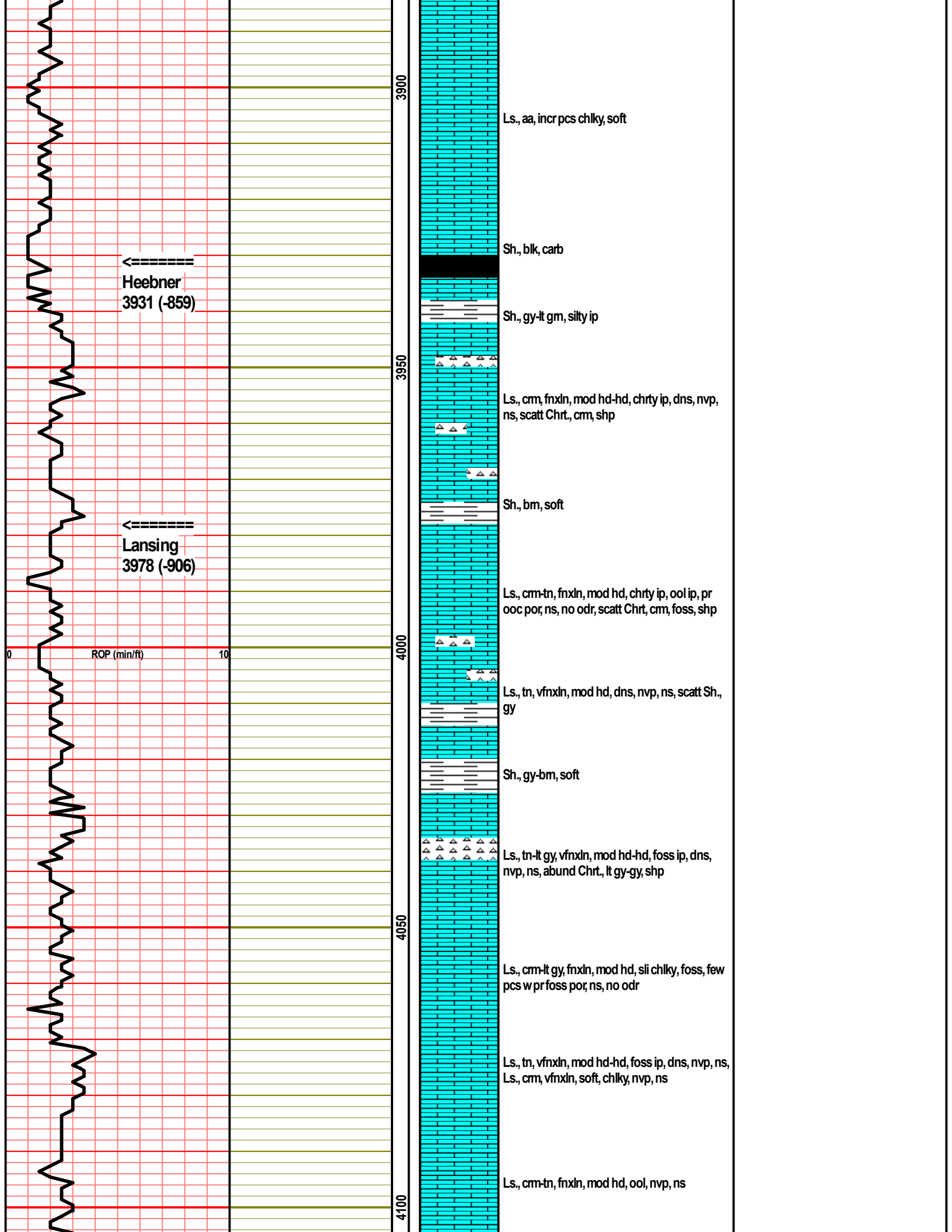
-  Gyp
-  Igne
-  Lmst
-  Meta

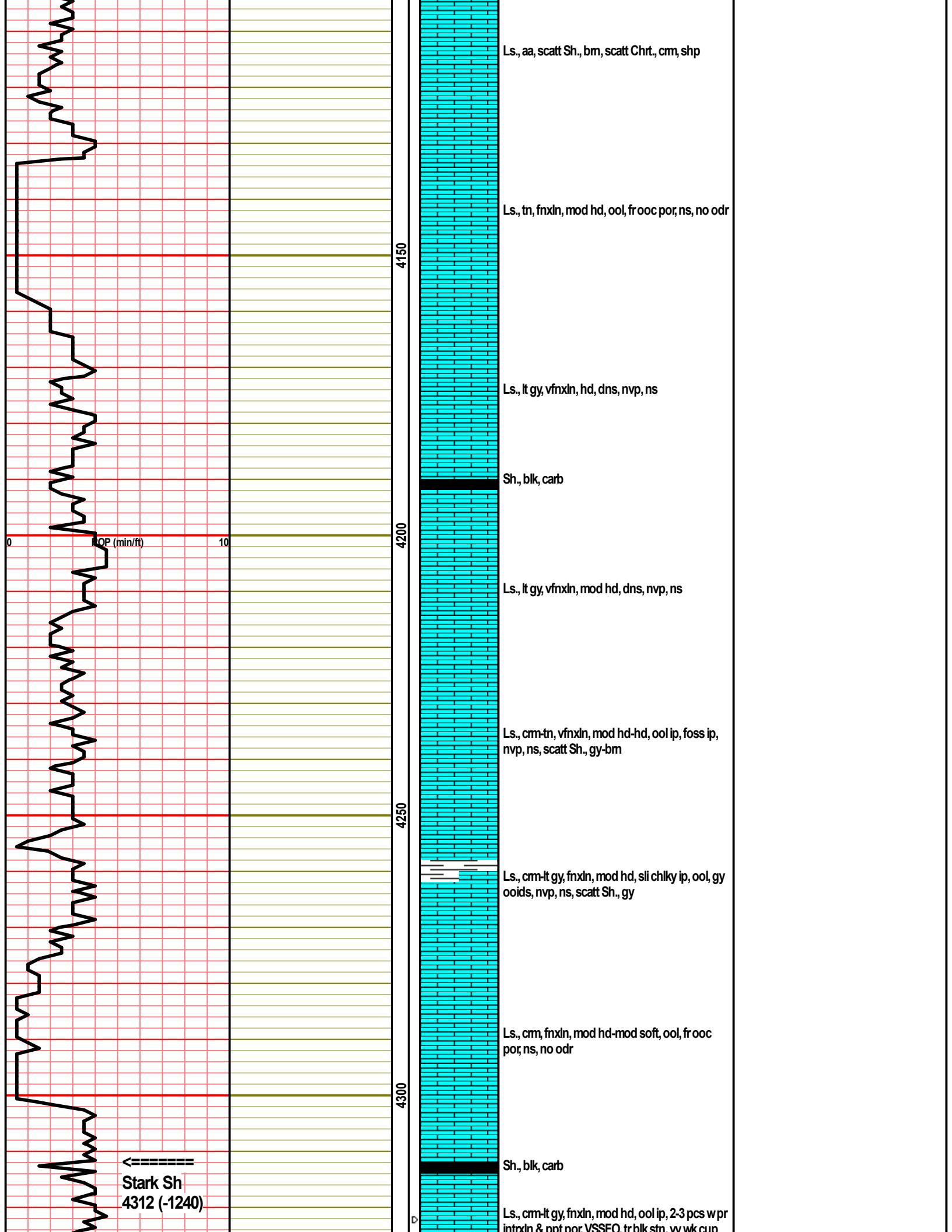
-  Mrlst
-  Salt
-  Shale
-  Shcol

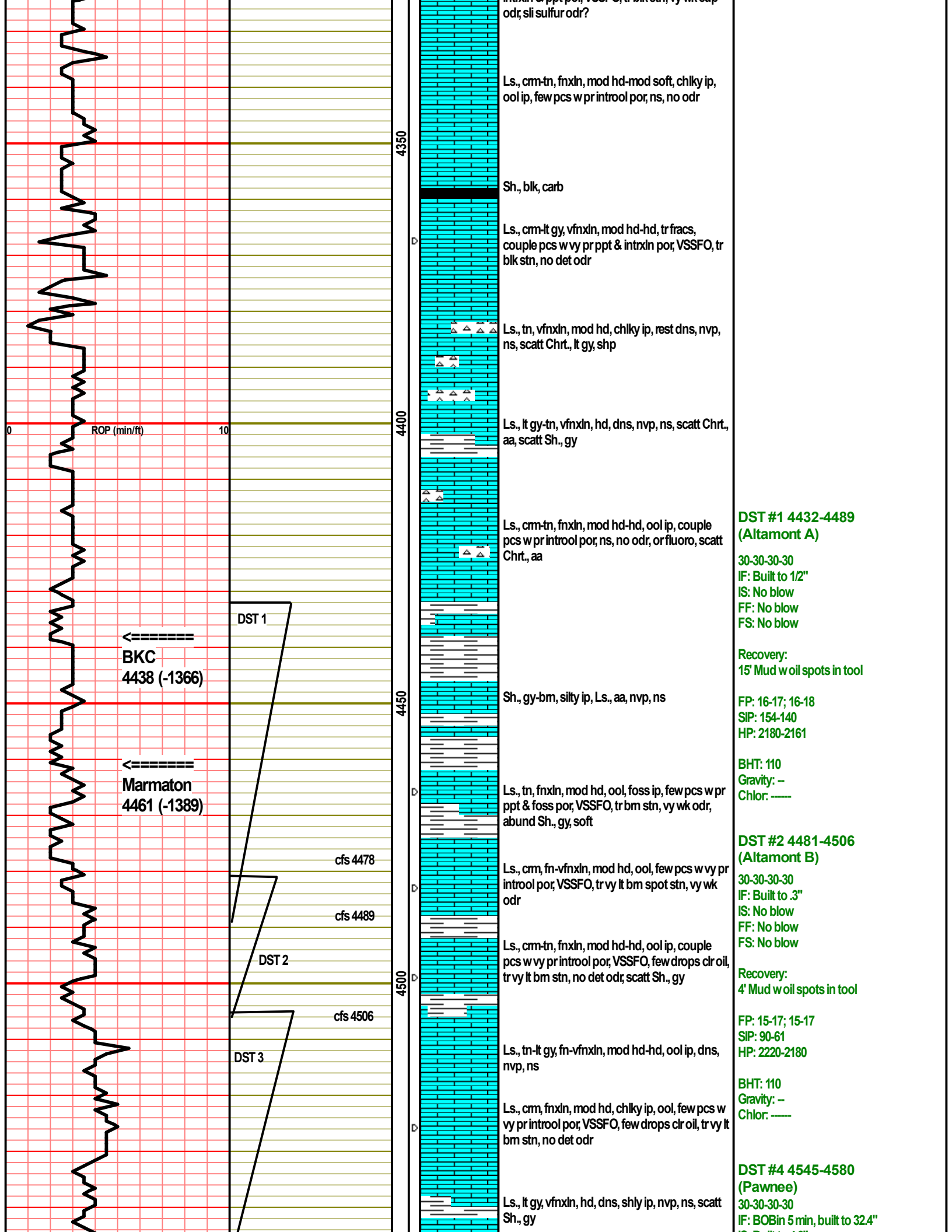
-  Shgy
-  Sltst
-  Ss
-  Till

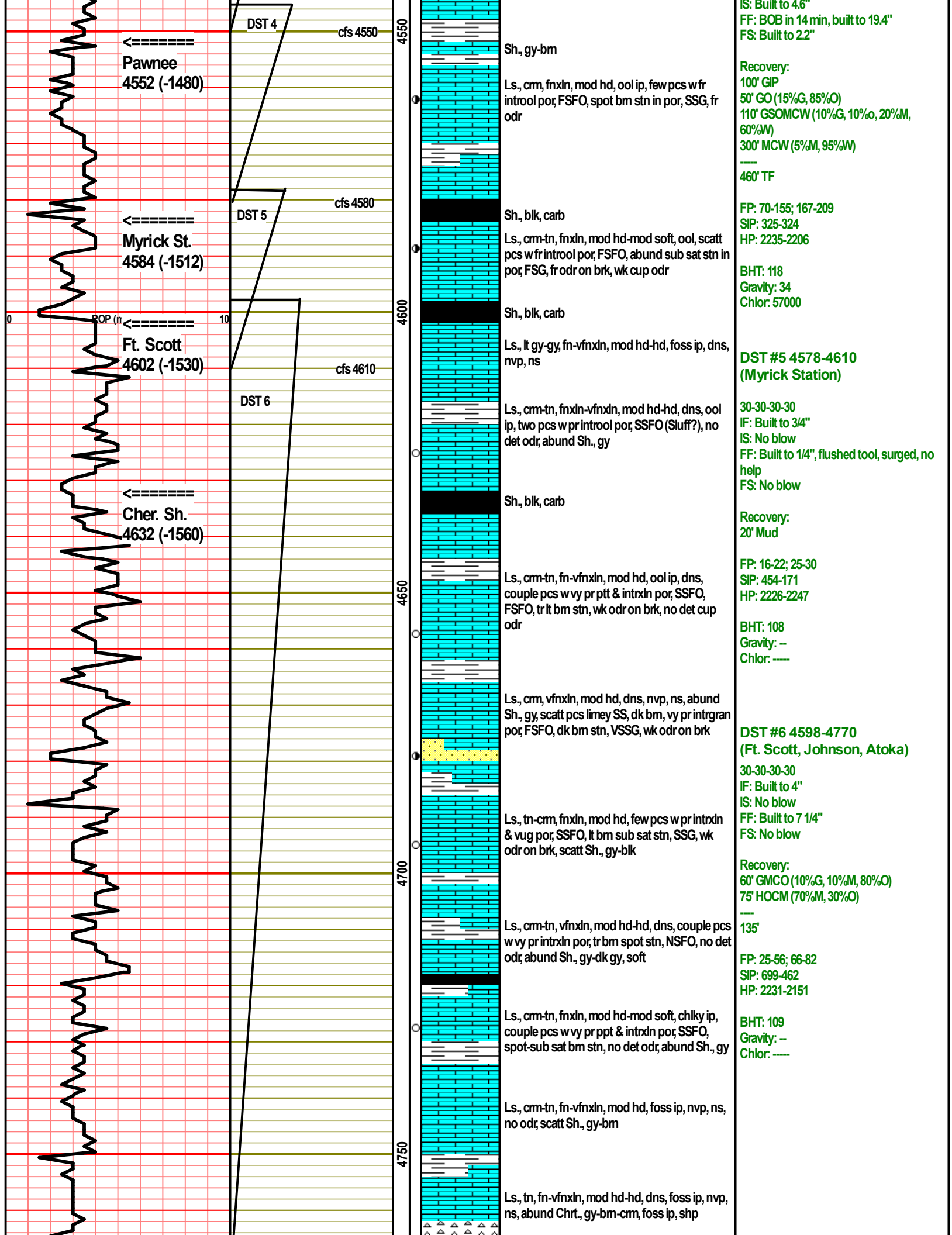












cfs 4770

Morrow Sh.
4791 (-1719)

ROP (min/ft)

4800

Ls., tn, fn-vfnxn, mod hd-hd, dns, ool ip, nvp, ns, abund Sh., dk gy-blk

Sh., gy-ft gm-bm

Sh., aa, scatt Ls., tn-crm, vfnxn, mod hd, ool ip, tr glauc, nvp, ns

Sh., aa, silty ip, nvp, ns, no odr or fluoro, scatt SS, wht, fngm, mod hd, abund calc, glauc ip, most w nvp, few vy pr intrgran por, ns, no odr, fluoro, cut

4850

Miss.
4858 (-1786)

Sh., aa, abund SS, aa, incr amt glauc, ns, no odr, fluoro, cut, scatt Ls., cm, vfnxn, mod hd, silty/sandy, shly ip, nvp, ns

Ls., cm, fn-vfnxn, mod hd, sandy, shly ip, few pcs w vy pr intrgran por, ns, no odr, or cut

4900

Ls., aa

Ls., cm, fnxn, mod soft, fri, sandy, chky ip, tr pyr, pr intrgran por, ns, no odr, or cut, scatt Sh., gm-lt gy

Ls., aa, nvp, ns, no odr

4950

RTD
4952 (-1880)

cfs 4952

		00			
-------------------------------------------------------------------------------	---------------------------------------------------------------------------------	----	--	--	--



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66972

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.10.17 @ 07:27:00

GENERAL INFORMATION:

Formation: **Altamont A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:29:45

Time Test Ended: 14:55:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4432.00 ft (KB) To 4489.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4489.00 ft (KB) (TVD)

3064.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8874 Inside

Press@RunDepth: 18.38 psig @ 4433.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.17 End Date: 2021.10.17

Last Calib.: 2021.10.17

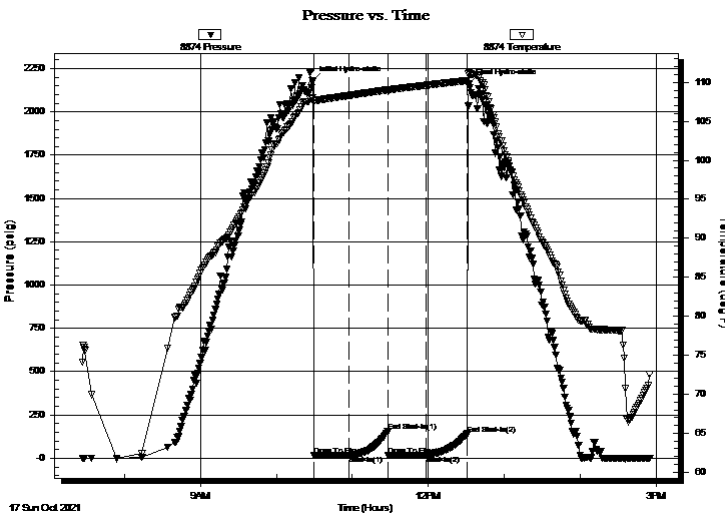
Start Time: 07:27:05 End Time: 14:55:29

Time On Btm: 2021.10.17 @ 10:28:30

Time Off Btm: 2021.10.17 @ 12:32:15

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.03	108.04	Initial Hydro-static
2	16.27	107.43	Open To Flow (1)
29	17.65	108.32	Shut-In(1)
60	154.46	109.04	End Shut-In(1)
60	16.79	108.97	Open To Flow (2)
90	18.38	109.63	Shut-In(2)
122	140.39	110.24	End Shut-In(2)
124	2161.16	111.28	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66972

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.10.17 @ 07:27:00

GENERAL INFORMATION:

Formation: **Altamont A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:29:45

Time Test Ended: 14:55:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4432.00 ft (KB) To 4489.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4489.00 ft (KB) (TVD)

3064.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 4433.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.17

End Date: 2021.10.17

Last Calib.: 2021.10.17

Start Time: 07:27:05

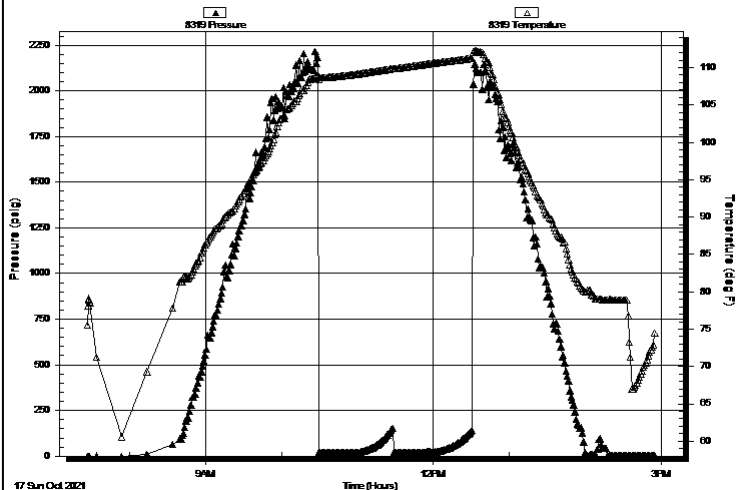
End Time: 14:55:29

Time On Btm:

Time Off Btm:

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

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66972

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.10.17 @ 07:27:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

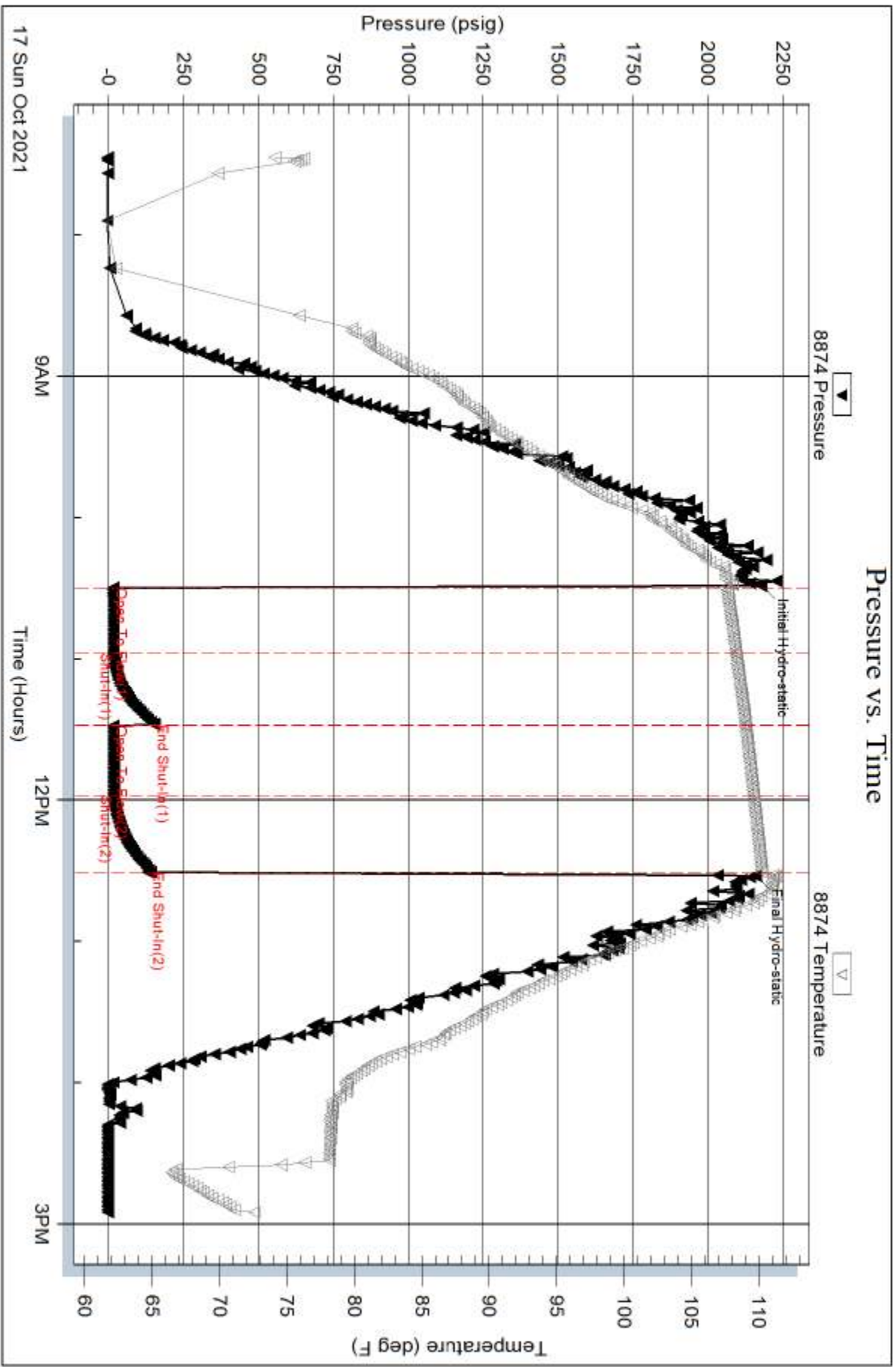
Serial #: 8874

Inside

Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66972

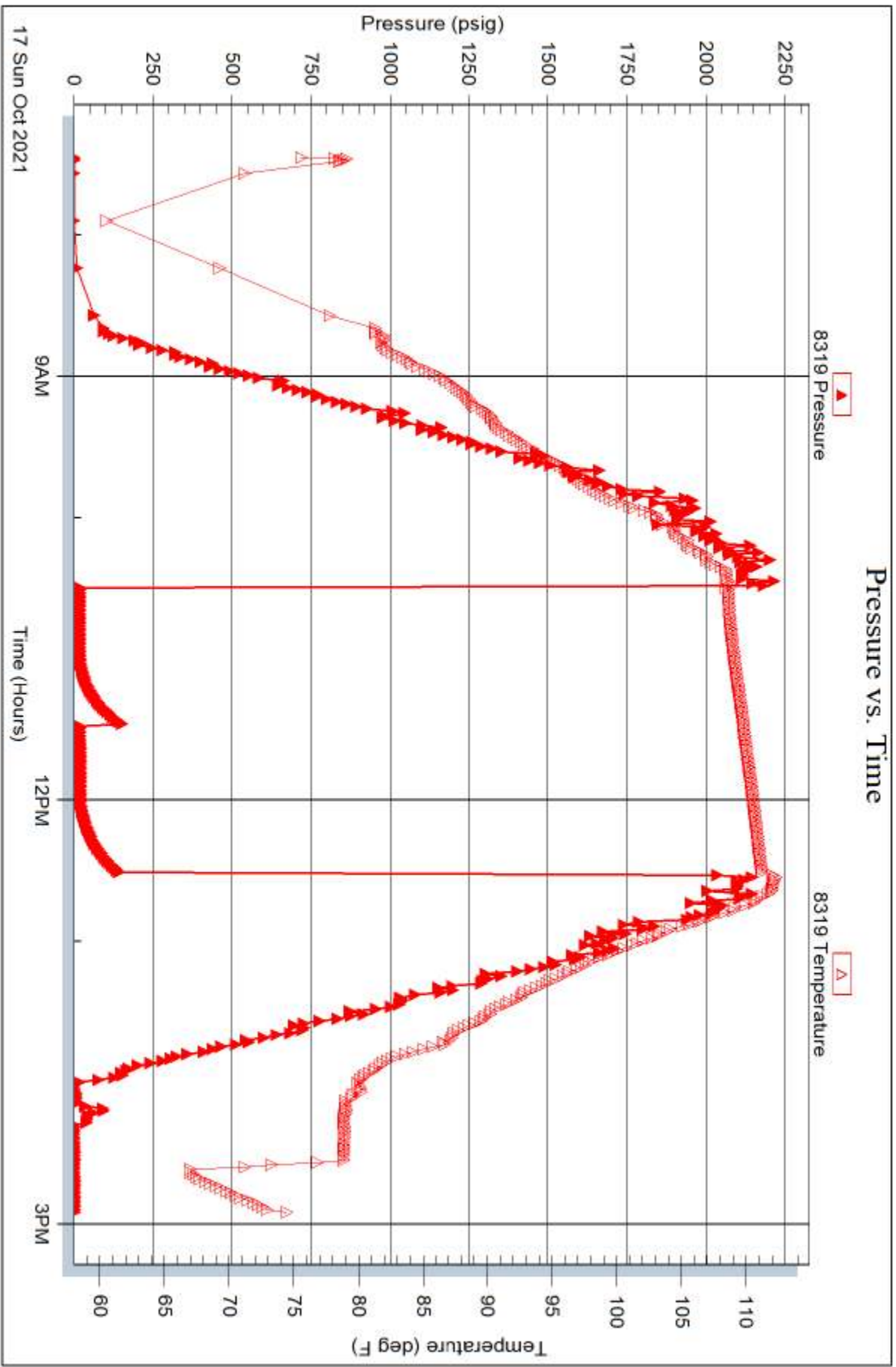
Printed: 2021.10.17 @ 18:55:41

Serial #: 8319

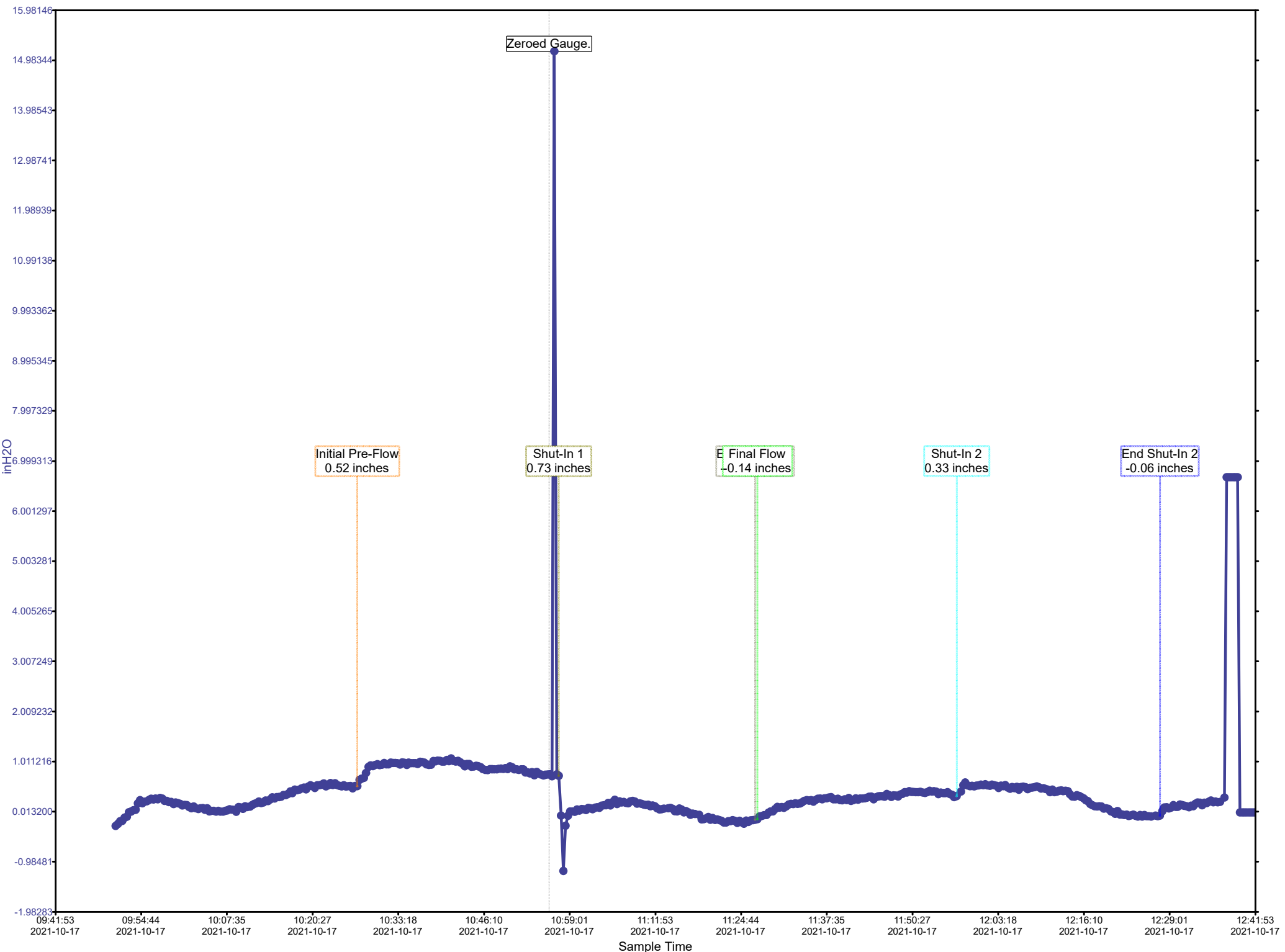
Outside Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 1



Palomino Petroleum - Kelly Crist 2 - DST #1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66974

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.10.17 @ 23:57:00

GENERAL INFORMATION:

Formation: **Altamont B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:58:15

Time Test Ended: 08:48:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4481.00 ft (KB) To 4506.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4506.00 ft (KB) (TVD)

3064.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8874 Inside

Press@RunDepth: 17.02 psig @ 4483.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.17

End Date:

2021.10.18

Last Calib.: 2021.10.18

Start Time: 23:57:05

End Time:

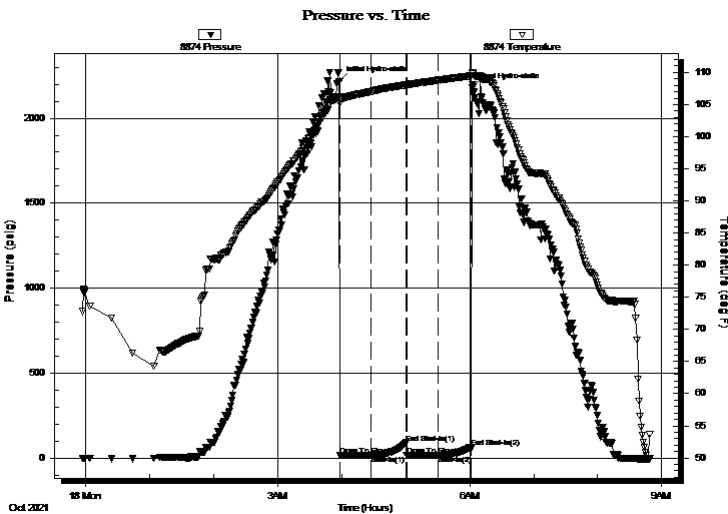
08:48:45

Time On Btm: 2021.10.18 @ 03:58:00

Time Off Btm: 2021.10.18 @ 06:02:30

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.62	106.24	Initial Hydro-static
1	15.48	105.08	Open To Flow (1)
30	16.97	107.01	Shut-In(1)
63	89.94	108.06	End Shut-In(1)
63	15.31	108.03	Open To Flow (2)
93	17.02	108.78	Shut-In(2)
124	61.58	109.46	End Shut-In(2)
125	2180.14	109.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100m (oil spots in tool)	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66974

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.10.17 @ 23:57:00

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud 100m (oil spots in tool)	0.020

Total Length: 4.00 ft Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

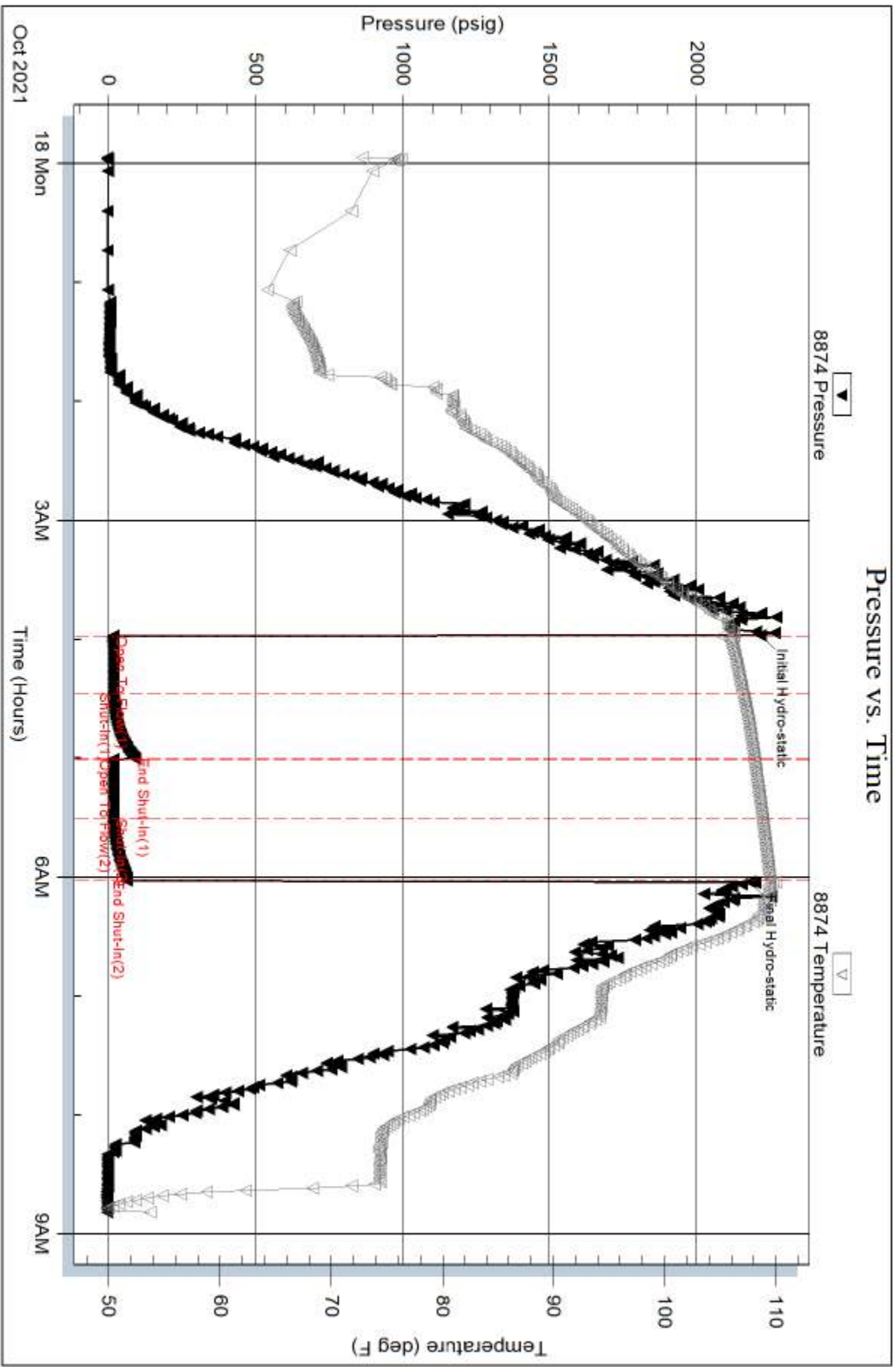
Serial #: 8874

Inside

Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 2

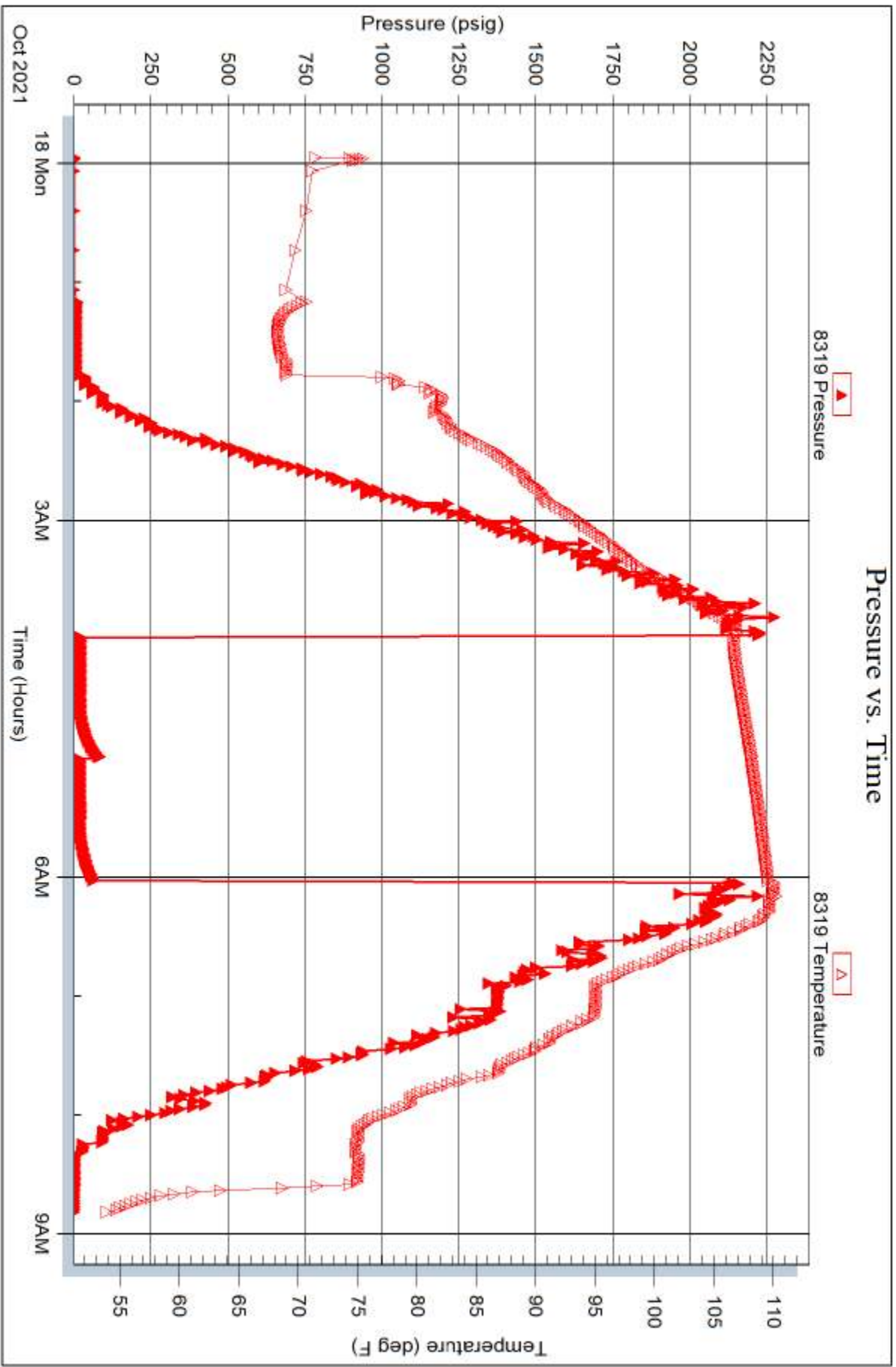


Serial #: 8319

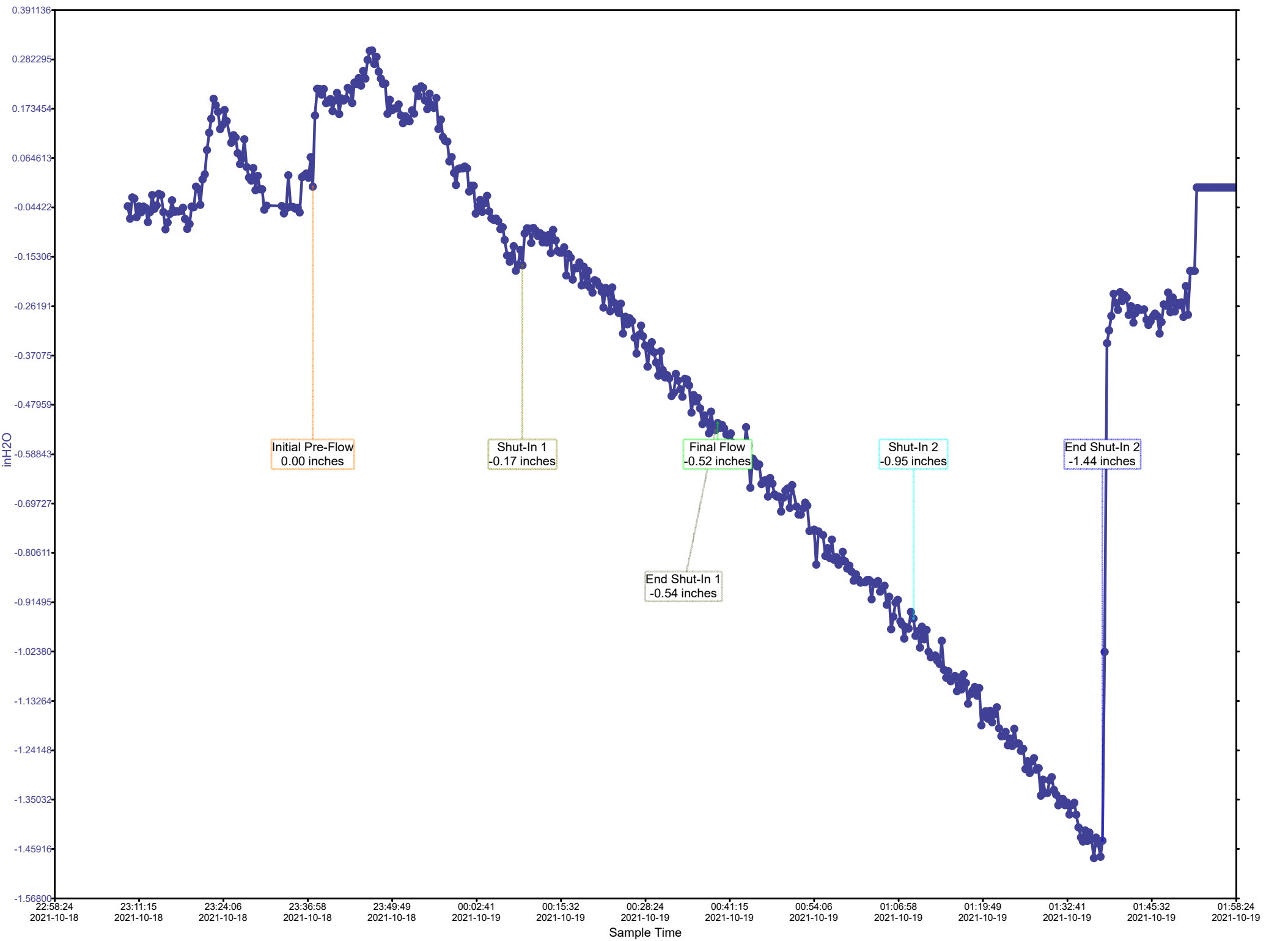
Outside Palomino Petroleum, Inc.

Kelly Crist #2

DST Test Number: 2



Palomino Petroleum - Kelly Crist 2 - DST #3





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66975

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2021.10.18 @ 19:58:00

GENERAL INFORMATION:

Formation: **Altamont C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:37:45

Time Test Ended: 04:27:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4505.00 ft (KB) To 4550.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4550.00 ft (KB) (TVD)

3064.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8874 Inside

Press@RunDepth: 20.65 psig @ 4506.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.18

End Date: 2021.10.19

Last Calib.: 2021.10.19

Start Time: 19:58:05

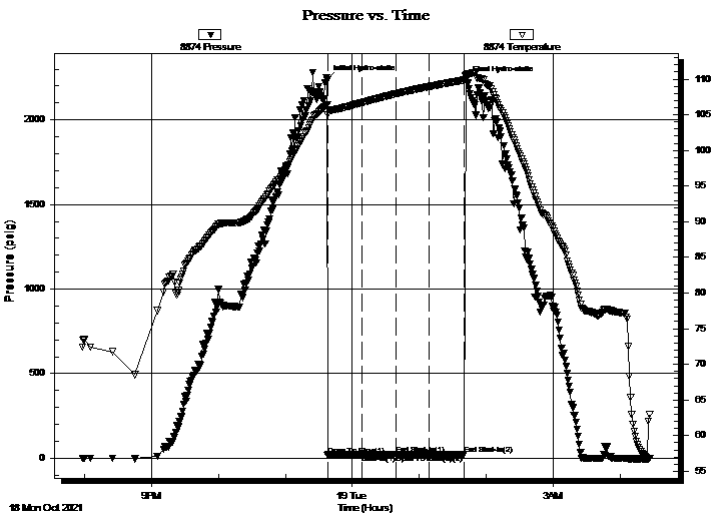
End Time: 04:27:29

Time On Btm: 2021.10.18 @ 23:37:30

Time Off Btm: 2021.10.19 @ 01:42:00

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.16	106.39	Initial Hydro-static
1	18.18	105.04	Open To Flow (1)
31	20.85	106.68	Shut-In(1)
62	22.13	107.92	End Shut-In(1)
62	20.19	107.93	Open To Flow (2)
92	20.65	108.94	Shut-In(2)
123	21.17	109.86	End Shut-In(2)
125	2231.34	110.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100m	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66975

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2021.10.18 @ 19:58:00

GENERAL INFORMATION:

Formation: **Altamont C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:37:45

Time Test Ended: 04:27:30

Interval: 4505.00 ft (KB) To 4550.00 ft (KB) (TVD)

Total Depth: 4550.00 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: 3072.00 ft (KB)

3064.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 4506.00 ft (KB)

Start Date: 2021.10.18

End Date: 2021.10.19

Capacity: 8000.00 psig

Last Calib.: 2021.10.19

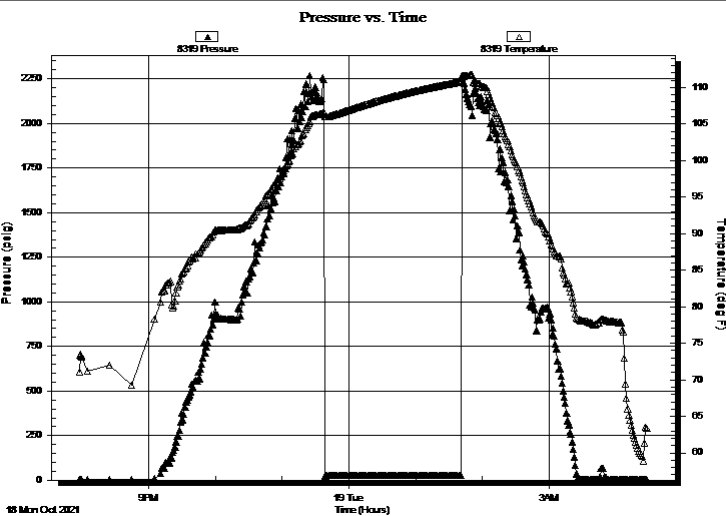
Start Time: 19:58:05

End Time: 04:27:44

Time On Btm:

Time Off Btm:

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



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100m	0.01

* 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, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 66975

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2021.10.18 @ 19:58:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

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
2.00	Mud 100m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

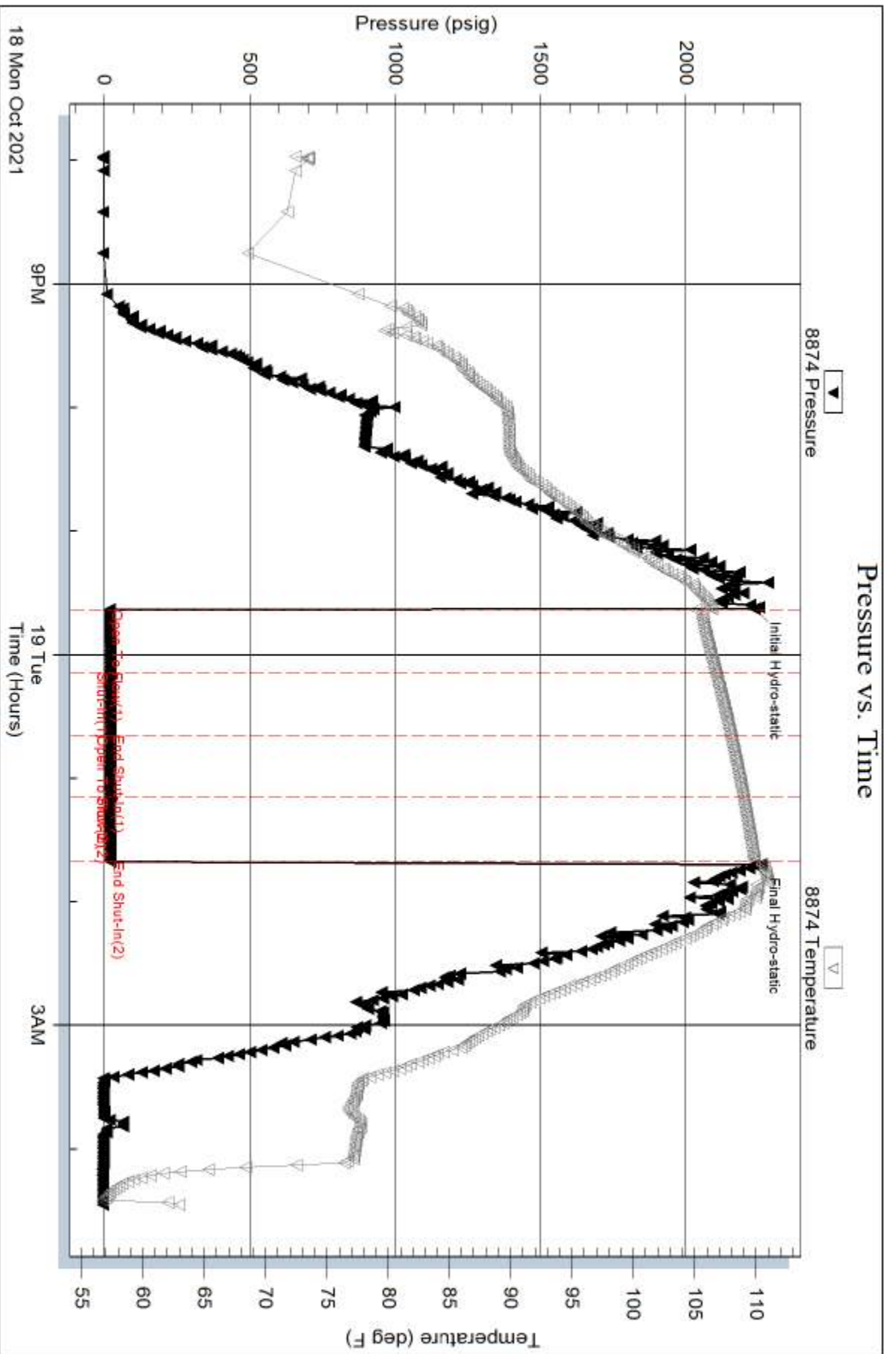
Serial #: 8874

Inside

Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 66975

Printed: 2021.10.19 @ 07:36:30

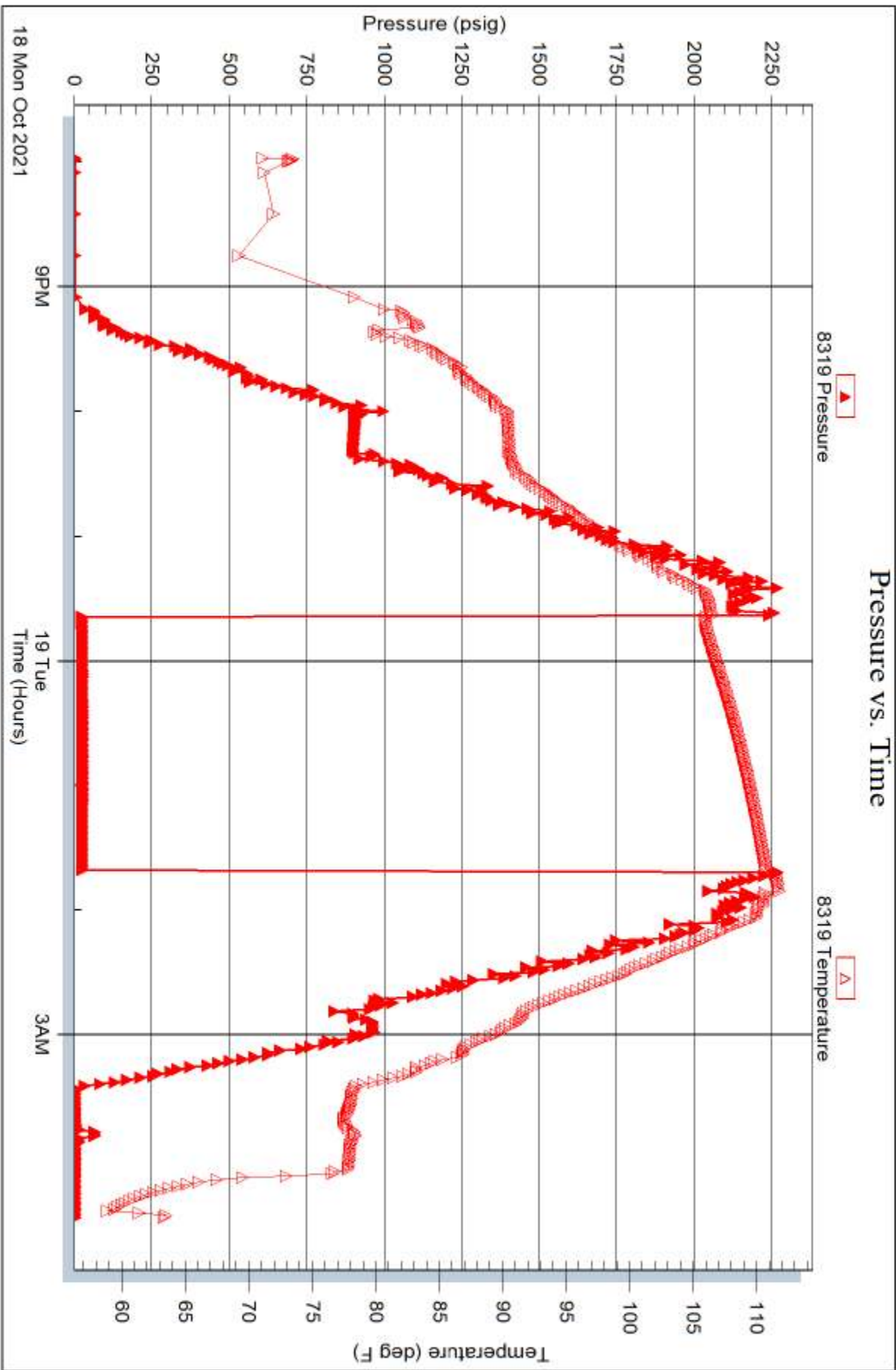
Serial #: 8319

Outside

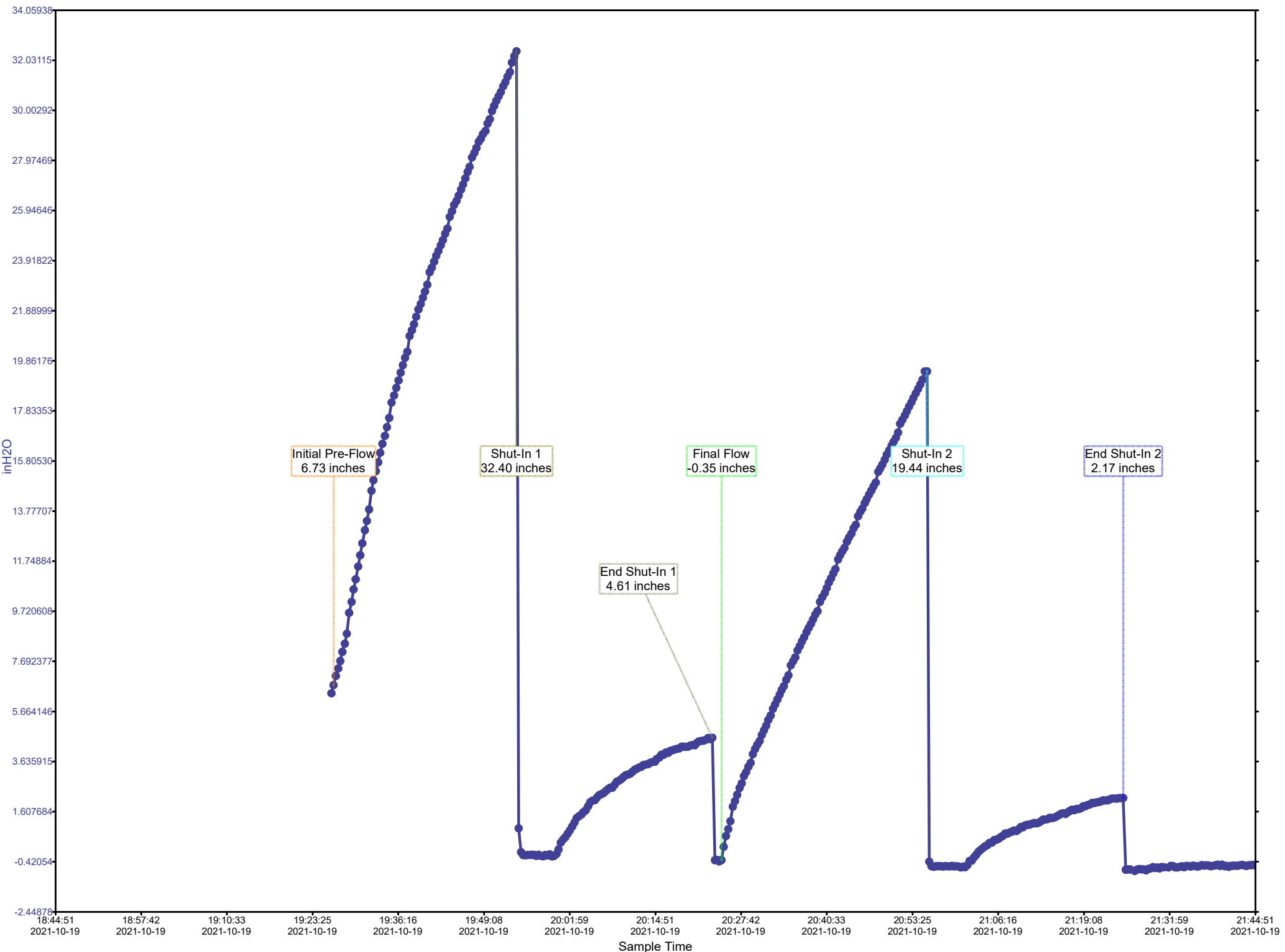
Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 3



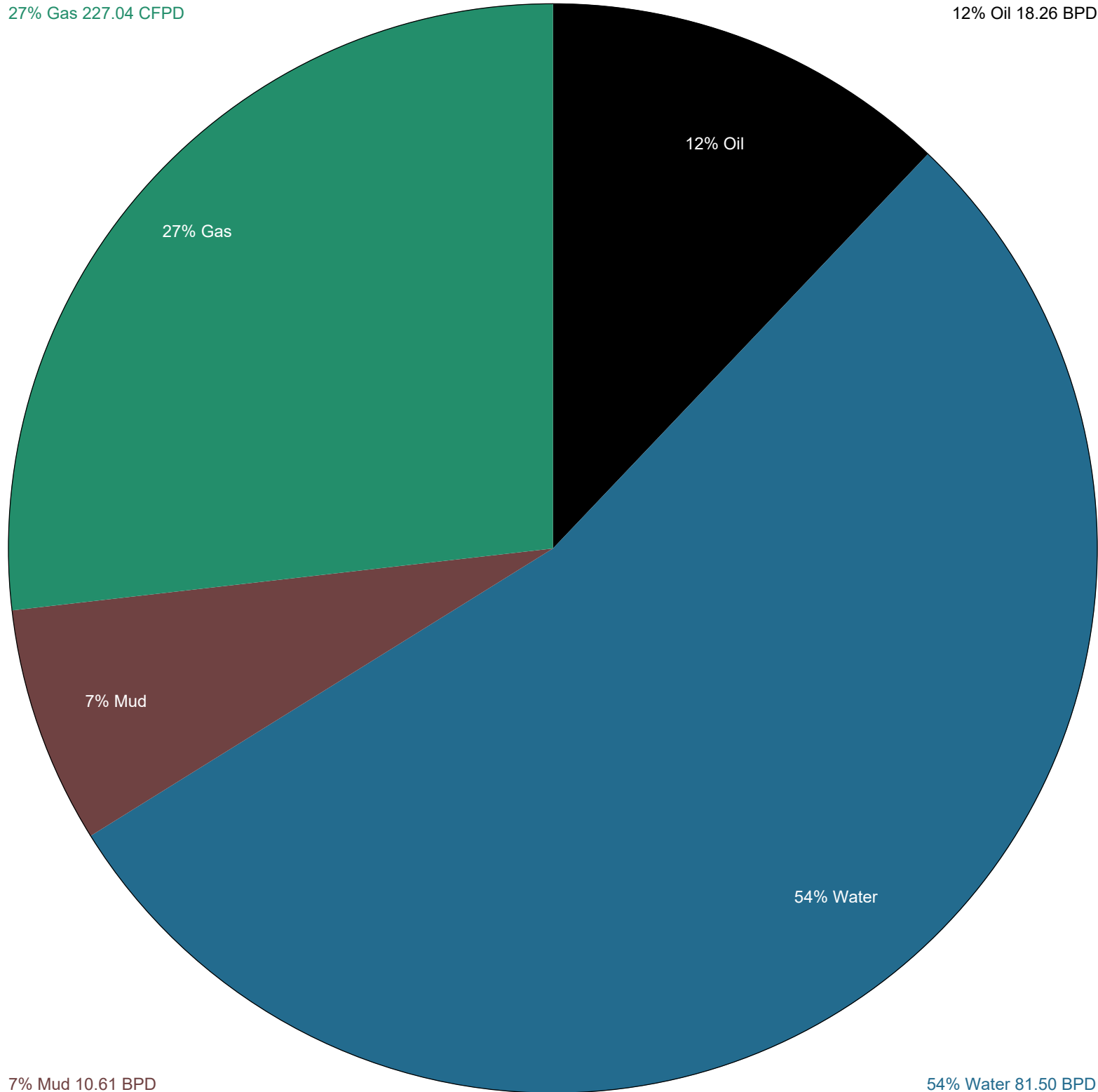
Palomino Petroleum - Kelly Crist 2 - DST #4



Calculated Recovery Analysis - Palomino Petroleum - Kelly Crist 2 - DST #4

27% Gas 227.04 CFPD

12% Oil 18.26 BPD



12% Oil

27% Gas

7% Mud

54% Water

7% Mud 10.61 BPD

54% Water 81.50 BPD



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 67726

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2021.10.19 @ 17:02:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:23:15

Time Test Ended: 00:45:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4545.00 ft (KB) To 4580.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

3064.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8319 Outside

Press@RunDepth: 209.40 psig @ 4546.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.19

End Date:

2021.10.20

Last Calib.: 2021.10.20

Start Time: 17:02:05

End Time:

00:45:29

Time On Btm: 2021.10.19 @ 19:22:45

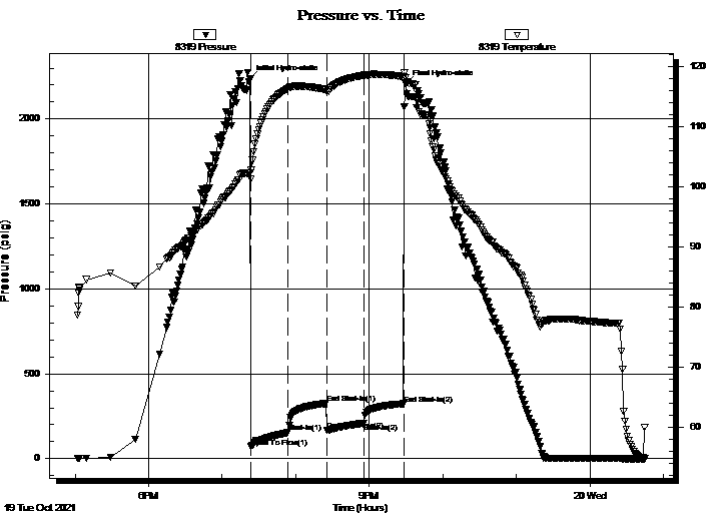
Time Off Btm: 2021.10.19 @ 21:29:45

TEST COMMENT: IF: BOB @ 5.5 min. 32.4"

IS: 4.6" return.

FF: BOB @ 14 min. 19.4"

FS: 2.2" return. 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.25	102.34	Initial Hydro-static
1	69.69	101.25	Open To Flow (1)
32	154.91	116.38	Shut-In(1)
63	325.13	116.15	End Shut-In(1)
63	166.54	115.74	Open To Flow (2)
93	209.40	118.56	Shut-In(2)
126	323.91	118.29	End Shut-In(2)
127	2205.58	118.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mcw 5m 95w (oil spots)	2.57
110.00	gsomcw 10g 10o 20m 60w	1.54
50.00	go 15g 85o	0.70
0.00	100' 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, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 67726

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2021.10.19 @ 17:02:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:23:15

Time Test Ended: 00:45:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4545.00 ft (KB) To 4580.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

3064.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8874 Inside

Press@RunDepth: psig @ 4546.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.19

End Date: 2021.10.20

Last Calib.: 2021.10.20

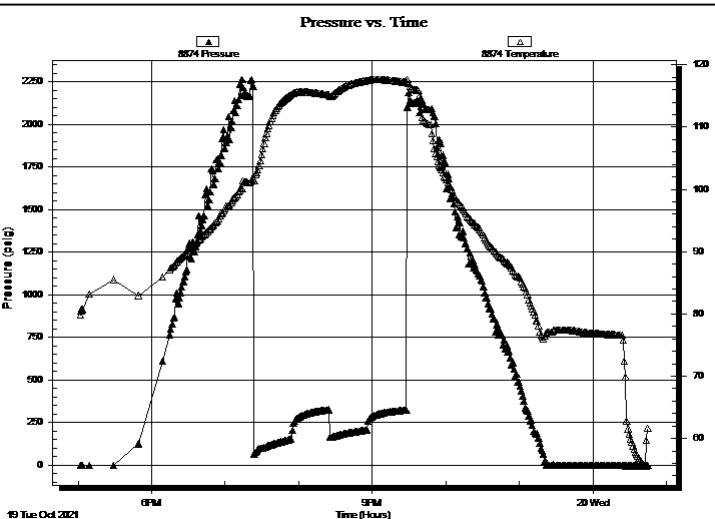
Start Time: 17:02:05

End Time: 00:45:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 5.5 min. 32.4"
IS: 4.6" return.
FF: BOB @ 14 min. 19.4"
FS: 2.2" return. 30-30-30-30



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mcw 5m 95w (oil spots)	2.57
110.00	gsomcw 10g 10o 20m 60w	1.54
50.00	go 15g 85o	0.70
0.00	100' 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 Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 67726

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2021.10.19 @ 17:02:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 9.59 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34 deg API
Water Salinity: 57000 ppm

Recovery Information

Recovery Table

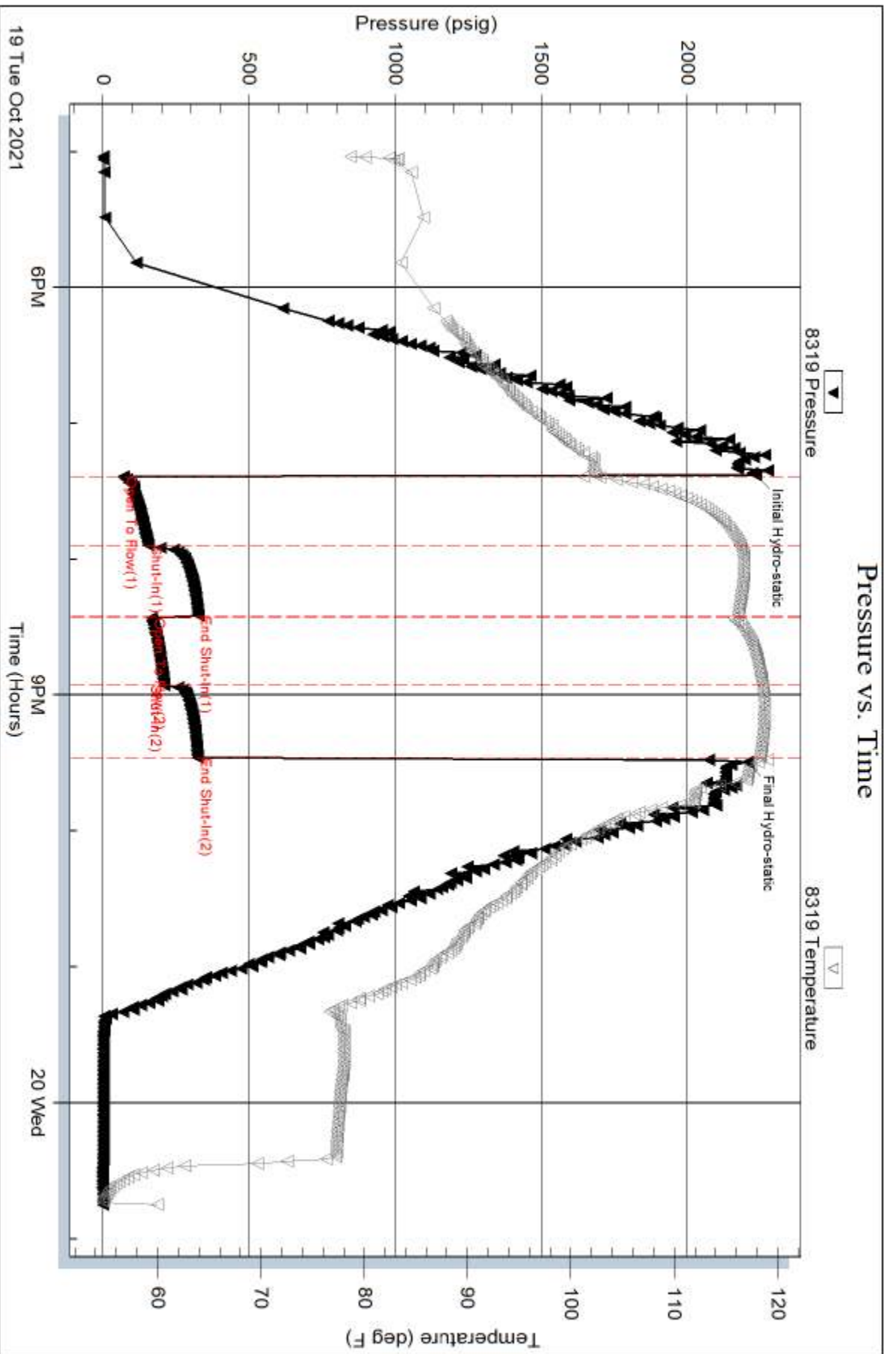
Length ft	Description	Volume bbl
300.00	mcw 5m 95w (oil spots)	2.568
110.00	gsomcw 10g 10o 20m 60w	1.543
50.00	go 15g 85o	0.701
0.00	100' GIP	0.000

Total Length: 460.00 ft Total Volume: 4.812 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw is .159 @ 56f = 57000ppm



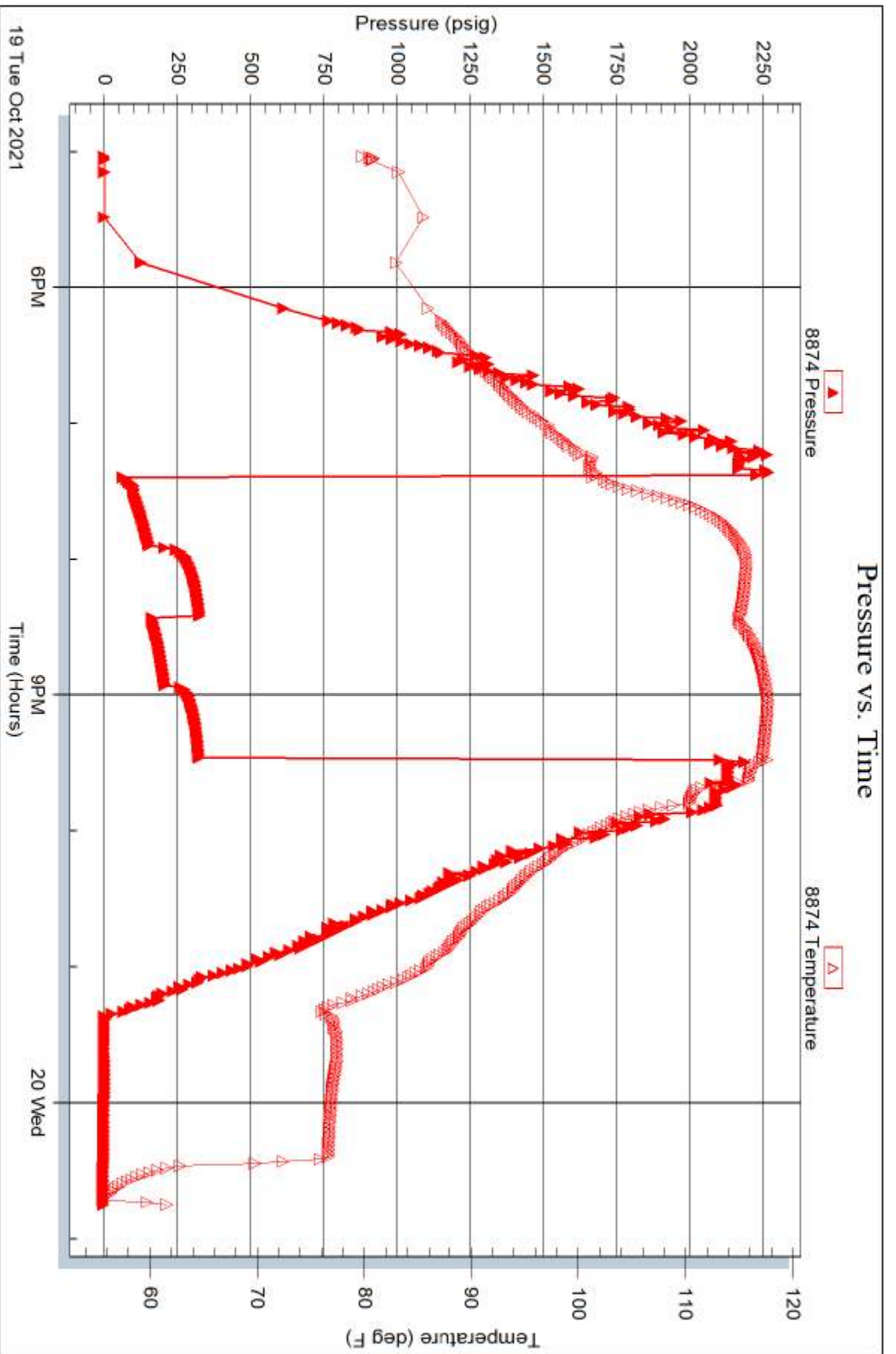
Serial #: 8874

Inside

Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 4

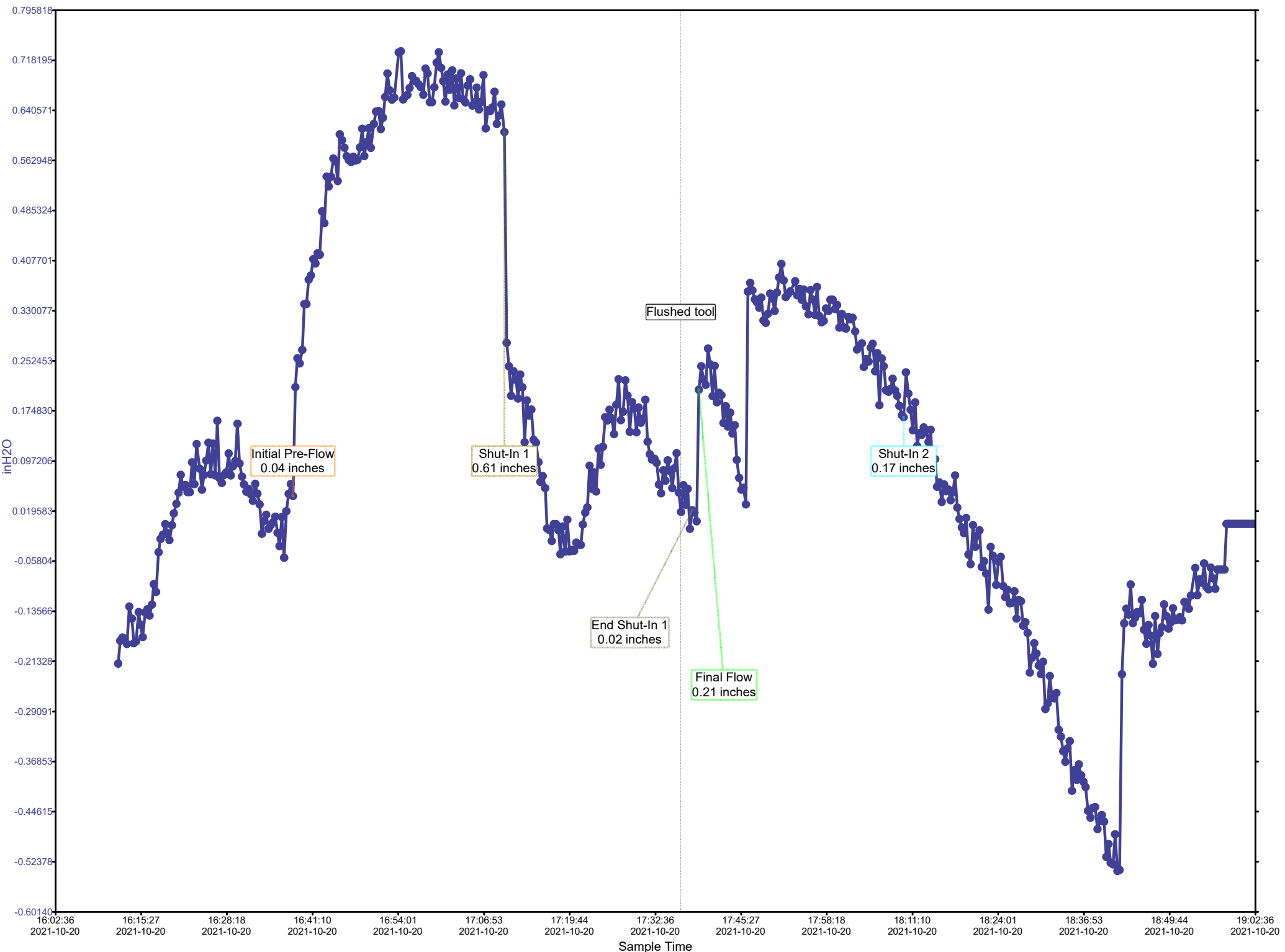


Tribble Testing, Inc

Ref. No: 67726

Printed: 2021.10.20 @ 07:58:30

Palomino Petroleum - Kelly Crist 2 - DST #5





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 67727

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2021.10.20 @ 14:00:00

GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:39:45

Time Test Ended: 21:31:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4578.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

3064.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8874 Inside

Press@RunDepth: 30.85 psig @ 4579.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.20 End Date: 2021.10.20

Last Calib.: 2021.10.20

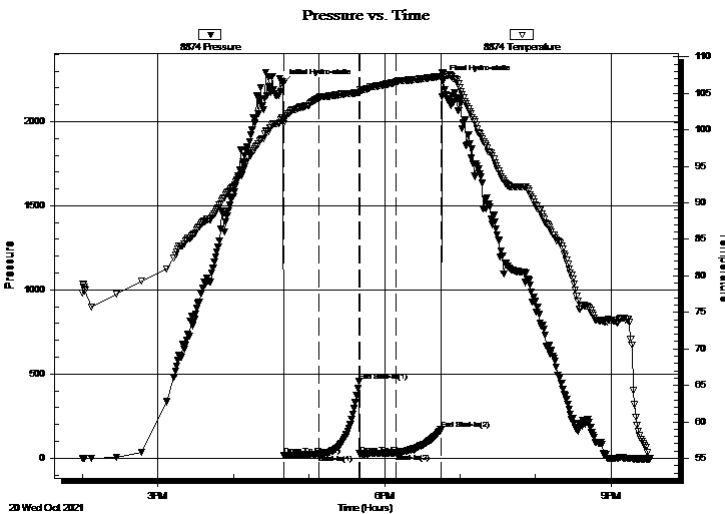
Start Time: 14:00:05 End Time: 21:31:29

Time On Btm: 2021.10.20 @ 16:39:30

Time Off Btm: 2021.10.20 @ 18:46:15

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2226.85	101.70	Initial Hydro-static
1	16.95	100.82	Open To Flow (1)
29	22.49	104.38	Shut-In(1)
61	454.54	105.13	End Shut-In(1)
61	25.34	105.08	Open To Flow (2)
90	30.85	106.55	Shut-In(2)
126	171.52	107.33	End Shut-In(2)
127	2247.53	107.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots in tool)	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 67727

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2021.10.20 @ 14:00:00

GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:39:45

Time Test Ended: 21:31:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4578.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

3064.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 4579.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.20 End Date: 2021.10.20

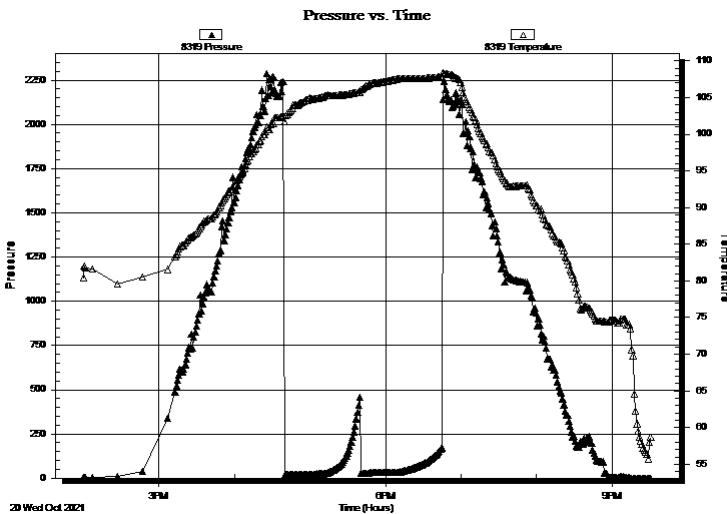
Last Calib.: 2021.10.20

Start Time: 14:00:05 End Time: 21:31:29

Time On Btm:

Time Off Btm:

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



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots in tool)	0.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

28 20s 34w Scott, Ks

4924 SE 84th St.
New ton, Ks 67114

Kelly Crist #2

Job Ticket: 67727

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2021.10.20 @ 14:00:00

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: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	Mud 100m (oil spots in tool)	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8874

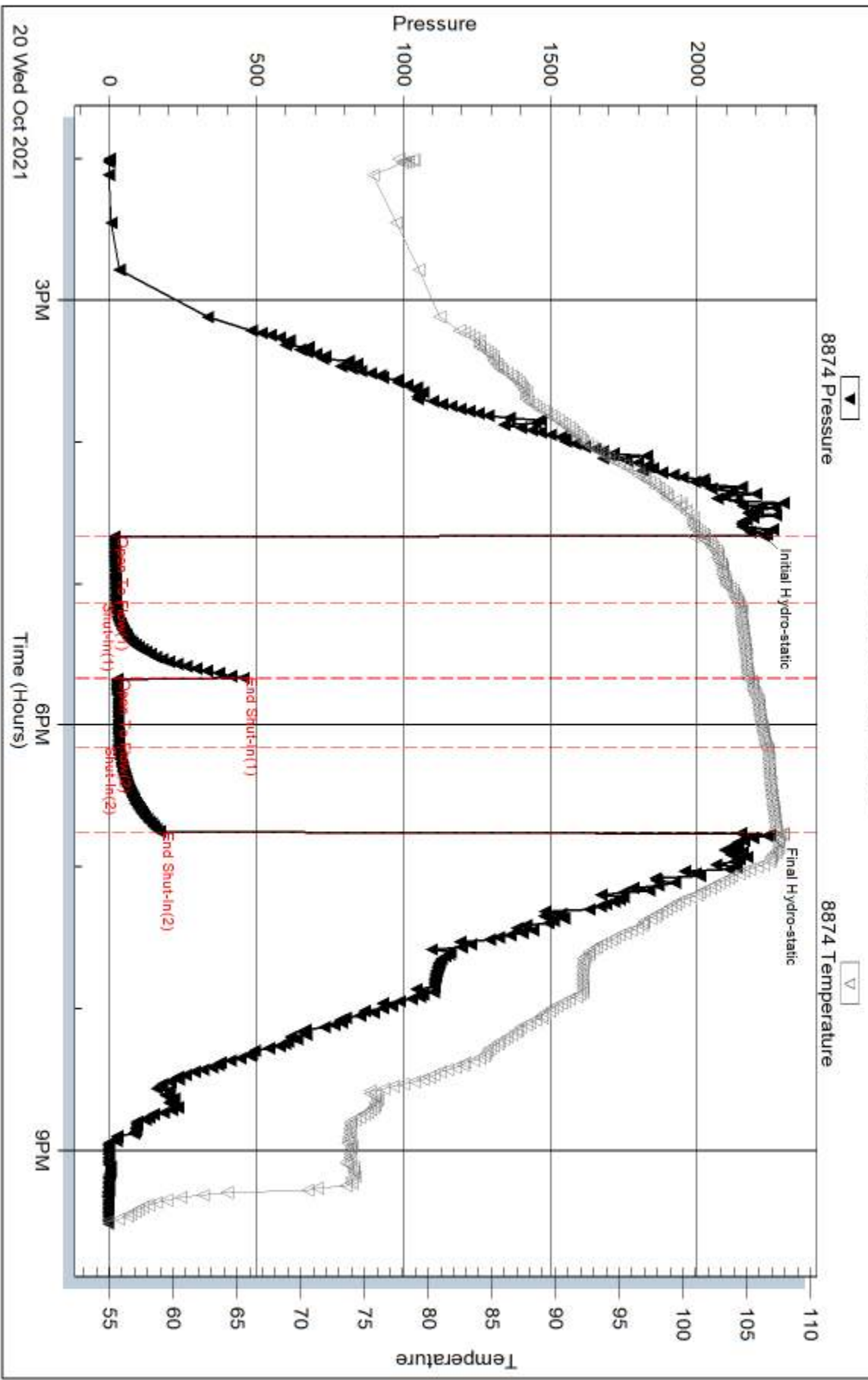
Inside

Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 5

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 67727

Printed: 2021.10.20 @ 21:55:38

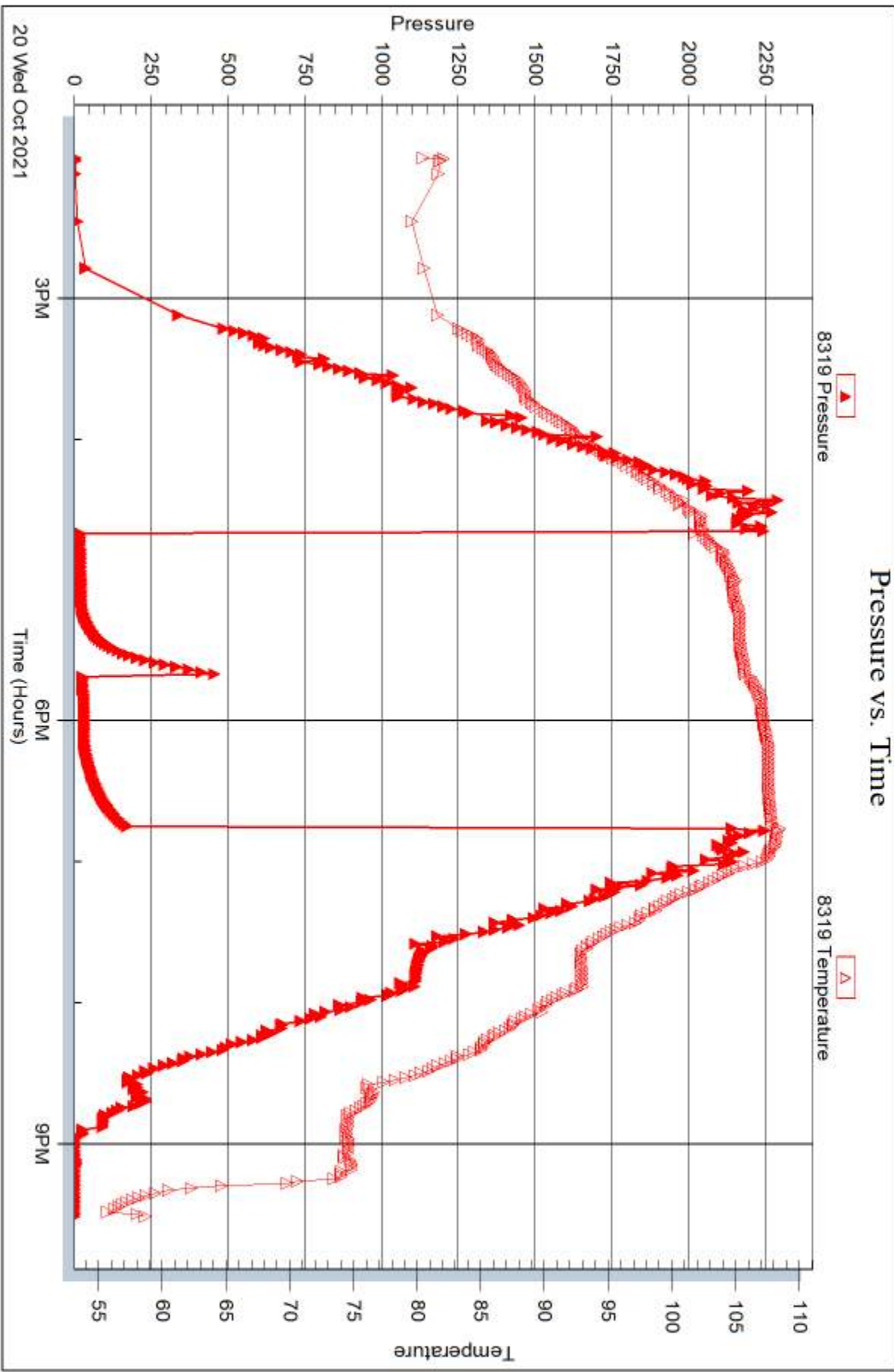
Serial #: 8319

Outside

Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 5

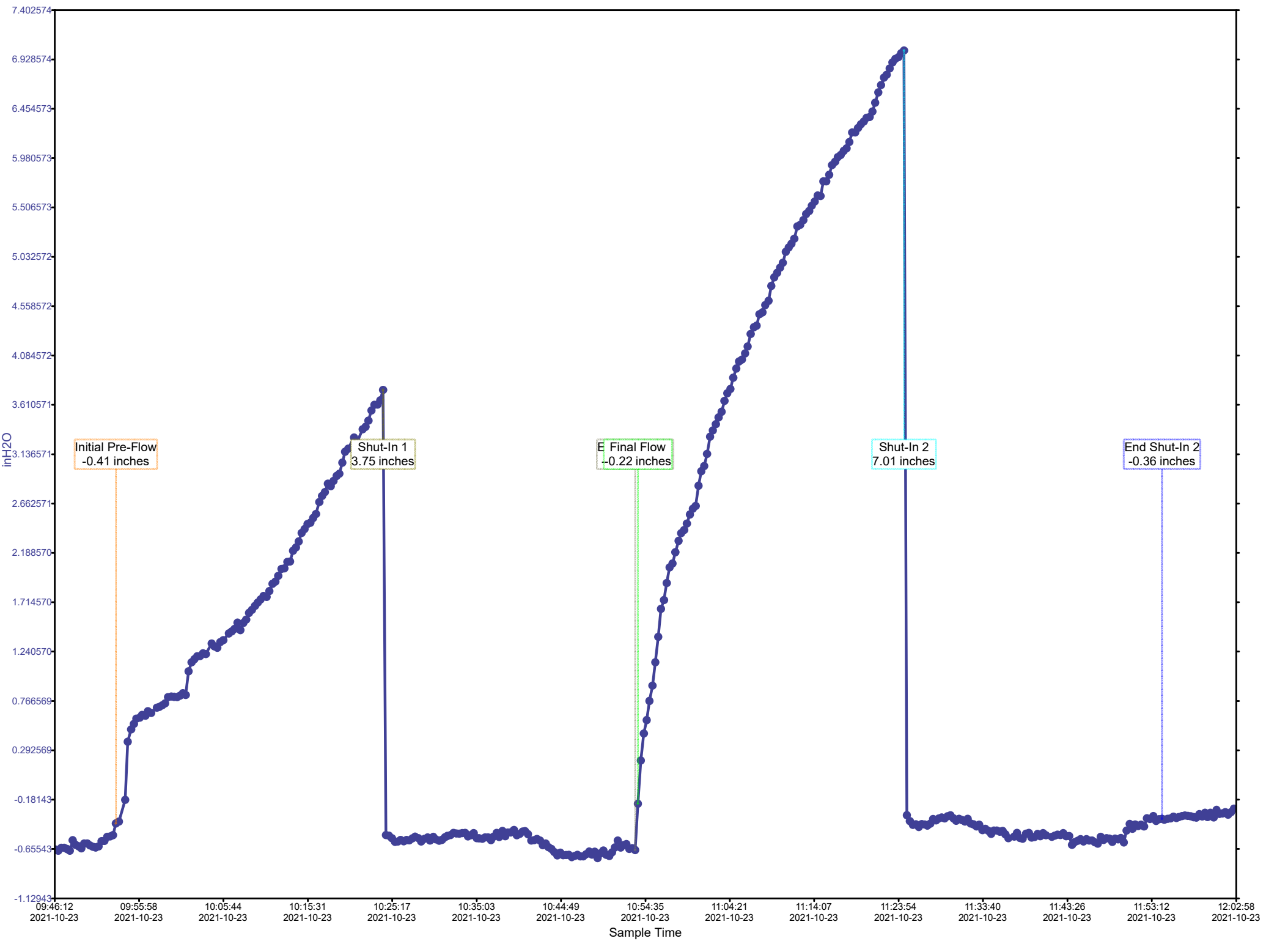


Trilobite Testing, Inc

Ref. No: 67727

Printed: 2021.10.20 @ 21:55:38

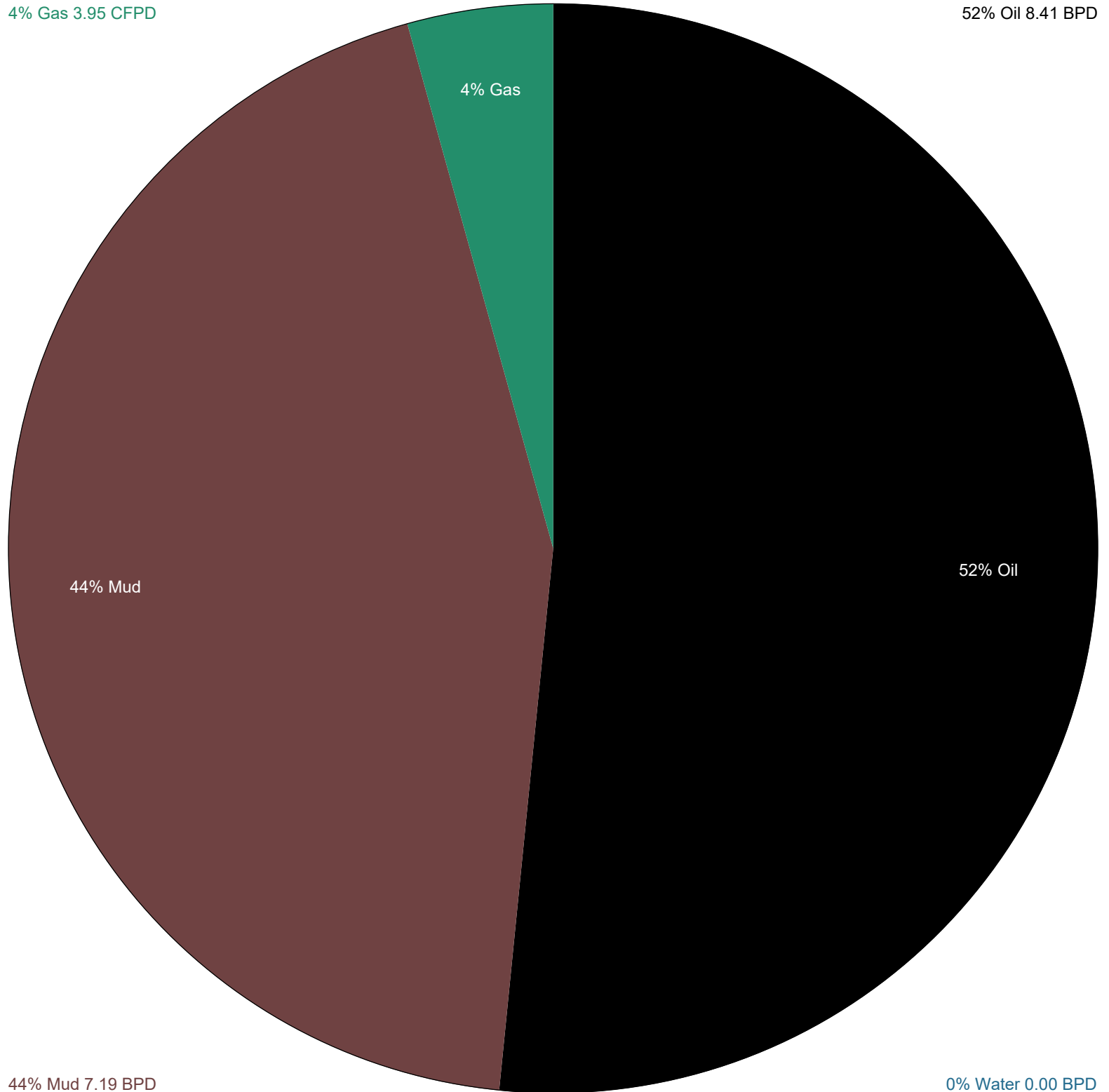
Palomino Petroleum - Kelly Crist 2 - DST #6



Calculated Recovery Analysis - Palomino Petroleum - Kelly Crist 2 - DST #6

4% Gas 3.95 CFPD

52% Oil 8.41 BPD



4% Gas

44% Mud

52% Oil

44% Mud 7.19 BPD

0% Water 0.00 BPD



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.
 4924 SE 84th St.
 New ton, KS 67114
 ATTN: Andrew Stenzel

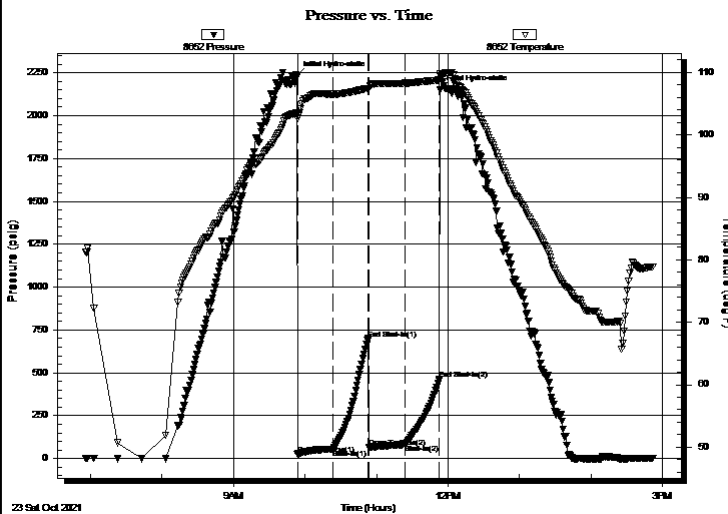
28 20s 34w Scott,KS
Kelly Crist #2
 Job Ticket: 68259 **DST#: 6**
 Test Start: 2021.10.23 @ 06:56:00

GENERAL INFORMATION:

Formation: **Ft Scott- Atoka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:53:45
 Time Test Ended: 14:52:15
 Interval: **4598.00 ft (KB) To 4770.00 ft (KB) (TVD)**
 Total Depth: 4489.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 3072.00 ft (KB)
 3064.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 82.41 psig @ 4599.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.23 End Date: 2021.10.23 Last Calib.: 2021.10.23
 Start Time: 06:56:05 End Time: 14:52:14 Time On Btm: 2021.10.23 @ 09:53:30
 Time Off Btm: 2021.10.23 @ 11:53:15

TEST COMMENT: IF-30- Built to 4"
 SI1-30- No return
 FF-30- Built to 7 1/4"
 SI2-30- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.60	103.53	Initial Hydro-static
1	25.07	102.61	Open To Flow (1)
30	55.90	106.54	Shut-In(1)
60	699.44	107.48	End Shut-In(1)
60	66.09	107.44	Open To Flow (2)
91	82.41	108.28	Shut-In(2)
120	461.54	108.79	End Shut-In(2)
120	2150.74	109.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 10% gas 10% mud 80% oil	0.30
75.00	HOCM 70% mud 30% oil	0.37

* 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, Inc.

28 20s 34w Scott, KS

4924 SE 84th St.
New ton, KS 67114

Kelly Crist #2

Job Ticket: 68259

DST#: 6

ATTN: Andrew Stenzel

Test Start: 2021.10.23 @ 06:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GMCO 10% gas 10% mud 80% oil	0.295
75.00	HOCM 70% mud 30% oil	0.369

Total Length: 135.00 ft Total Volume: 0.664 bbl

Num Fluid Samples: 0

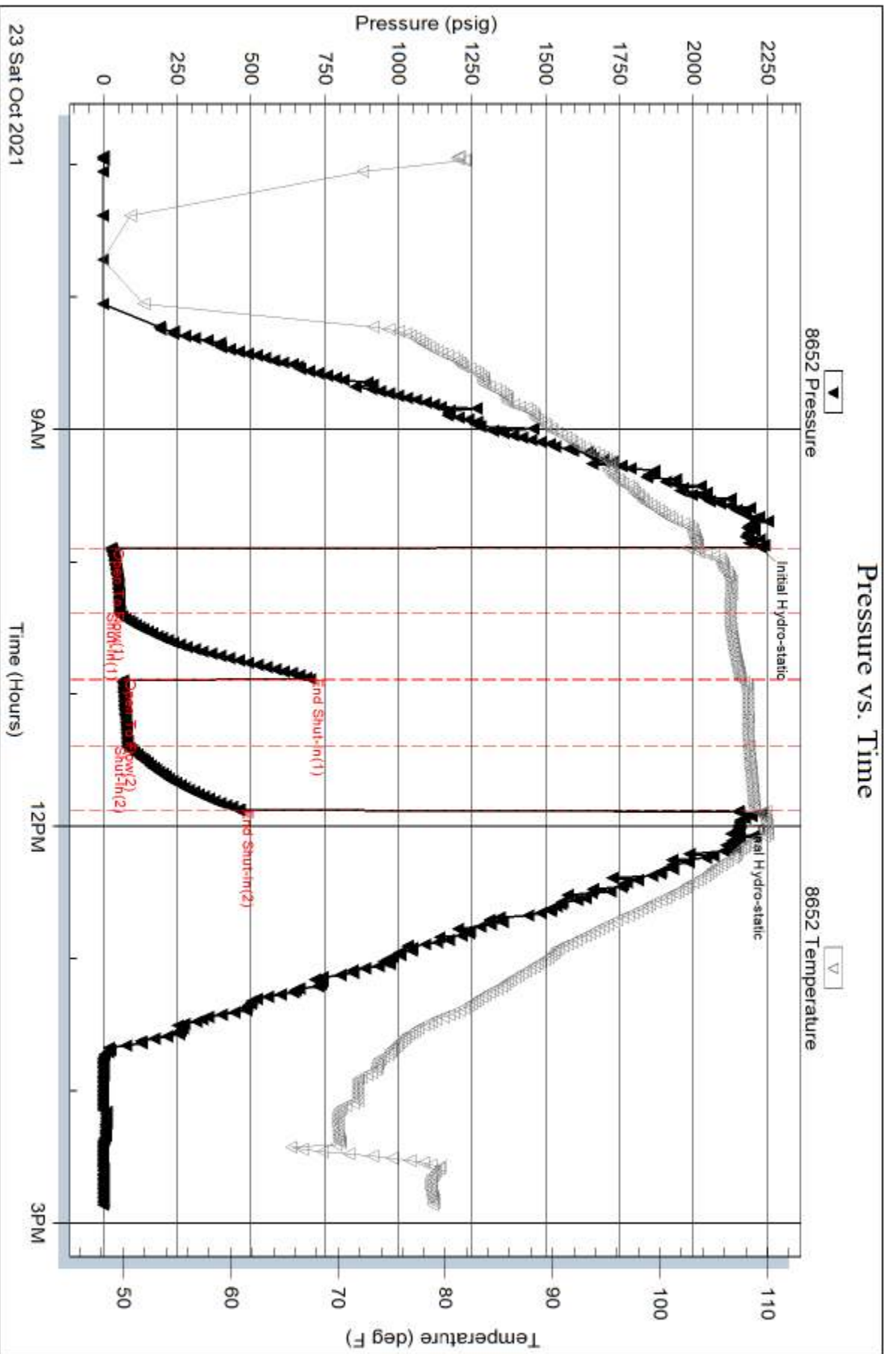
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM



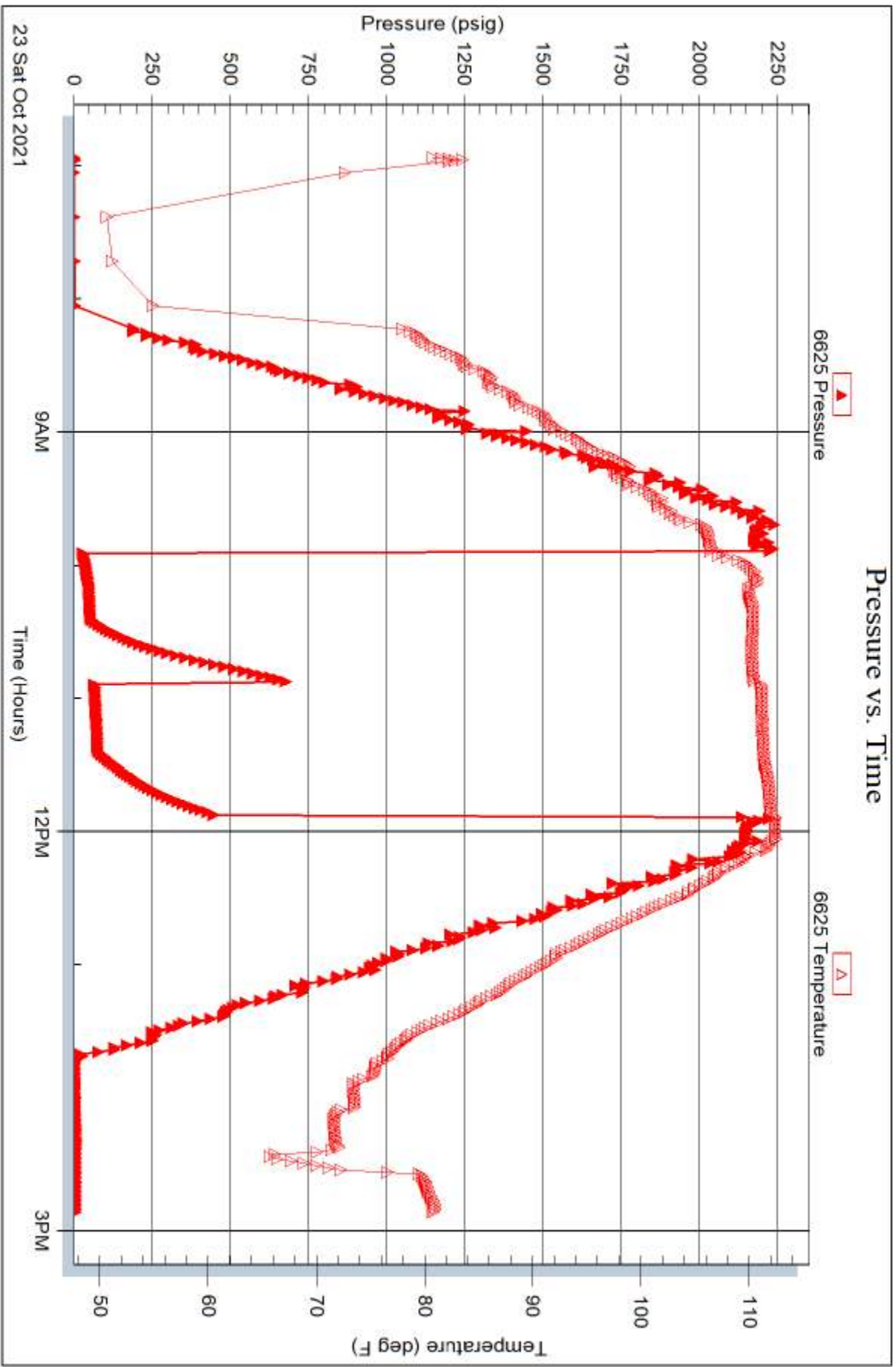
Serial #: 6625

Inside

Palomino Petroleum, Inc.

Kelly Crst #2

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 66259

Printed: 2021.10.23 @ 16:27:02