

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	RAIDERS OF THE LOST ARK 1
Doc ID	1656618

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	226	H-325	200	H-325



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: 6/23/2022
Invoice #: 0361522
Lease Name: Raiders Of The Lost Ark
Well #: 1 (New)
County: Kearny, Ks
Job Number: WP2982
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	21.600	4,320.00
Light Eq Mileage	105.000	2.000	210.00
Heavy Eq Mileage	210.000	4.000	840.00
Ton Mileage	987.000	1.500	1,480.50
Depth Charge 0'-500'	1.000	960.000	960.00
Cement Blending & Mixing	200.000	1.344	268.80
Service Supervisor	1.000	264.000	264.00

Total 8,343.30

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!



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 1/4% 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.

ftv: 15-2021/01/25
mplv: 264-2022/05/23

FRANKS Oilfield Service, LLC

815 Main Street
Victoria, KS 67671

Email: franksoilfield@yahoo.com

Office (785) 639-3949

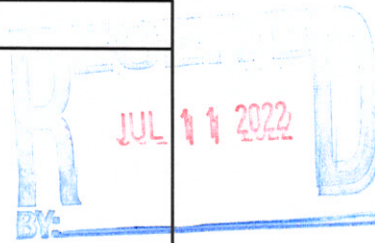
24 Hour Service Line (785) 639-7269

Invoice

Date	Invoice #
7/3/2022	0636

Please Pay from this Invoice.
Remit Payment to:
815 Main Street
Victoria, KS 67671
Billing Questions-Call Tianna at
(785) 639-3949

Bill To
Palomino Petroleum, Inc 4924 SE 84th St Newton, KS 67114-8827



County/State	Lease/Well#	Terms	Job Type
Kearny County, KS	Raiders of the Lost ...	Net 30	PTA

Description	Quantity	Rate	Amount
Pump Charge	1	1,500.00	1,500.00
Mileage	132	6.50	858.00
11.13 tons at 132 miles	1,469.16	1.50	2,203.74
60/40 4% gel 1/4# floseal	250	16.75	4,187.50T
Discount		-874.92	-874.92
<i>Thank-you!</i> <i>current for plugging for #1</i>			

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.

We appreciate your business and look forward to serving you again!

Subtotal	\$7,874.32
Sales Tax (6.5%)	\$244.97
Balance Due	\$8,119.29

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

FIELD TICKET & TREATMENT REPORT CEMENT

JOB TYPE <u>PTA</u>	HOLE SIZE _____	HOLE DEPTH _____	CASING SIZE & WEIGHT _____
CASING DEPTH _____	DRILL PIPE <u>4 1/2"</u>	TUBING _____	OTHER _____
SLURRY WEIGHT <u>11.5</u>	SLURRY VOL <u>2.45</u>	WATER gal/sk _____	CEMENT LEFT in CASING _____
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____

1	2110'	5054
2	1020'	8054
3	260'	5054
4	60'	2054
5	RH	3054
6	MH	2054
	25054	total
Thanks Tom & Post on		

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



Andrew Stenzel Geologist

Ness City, Kansas



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

Well Name: Raiders of the Lost Ark #1
API: 15-093-22001-00-00
Location: NW/4 Sec. 25-22S-36W (Kearny County)
License Number: 30742
Spud Date: 6/23/22
Surface Coordinates: 335' FNL & 1754' FWL
Region: KANSAS
Drilling Completed: 7/3/22

Bottom Hole
Coordinates:
Ground Elevation (ft): 3130
Logged Interval (ft): 3700 To: TD
Formation: MISSISSIPPIAN
Type of Drilling Fluid: Mud-Co Chemical
K.B. Elevation (ft): 3141
Total Depth (ft): 5070

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:

6/22/22 MIRU Murfin Drilling, Rig 21
6/23/22 Spudded at 10 am, ran surface casing
6/24/22 Drilling @ 940'
6/25/22 Drilling @ 2290'
6/26/22 Drilling @ 3520'
6/27/22 Drilling @ 4023'
6/28/22 Drilling @ 4440', DST #1
6/29/22 Drilling @ 4543'
6/30/22 Tripping out with DST #2
7/1/22 DST #3
7/2/22 Preparing to log @ 5070', ran logs, DST #4
7/3/22 Plugged & Abandoned

Services

RIG: Murfin Drilling, rig #21

MUD: MUDCO

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

Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing set at 226'

PRODUCTION Casing: None

Formation Tops

Sample Tops

Anhy.	2082 (+1059)
Base Anhy.	2104 (+1037)
Heebner	3830 (-689)
Lansing	3882 (-741)
BKC	4366 (-1225)
Marmaton	4390 (-1249)
Pawnee	4482 (-1341)
Myrick St.	4516 (-1375)
Morrow Sh	4758 (-1617)
St. Gen	4890 (-1749)
RTD	5070 (-1929)

LogTops

Anhy.	2084 (+1057)
Base Anhy.	2096 (+1045)
Heebner	3838 (-697)
Lansing	3872 (-731)
BKC	4370 (-1229)
Marmaton	4395 (-1254)
Pawnee	4485 (-1344)
Myrick St.	4508 (-1367)
Morrow Sh	4754 (-1621)
St. Gen	4887 (-1746)
LTD	5070 (-1929)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4524 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22a-36w Kearny, KS

Job Ticket: 67945

DST#: 1

Test Start: 2022.06.28 @ 19:50:00

GENERAL INFORMATION:

Formation: Pawnee - Myriak

Deviated: No Whipstock ft (KB)

Time Tool Opened: 22:18:40

Time Test Ended: 02:42:09

Interval: 4481.00 ft (KB) To 4528.00 ft (KB) (TVD)

Total Depth: 4529.00 ft (KB) (TVD)

Hole Diameter: 7.68 inches-Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 81

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (OF)

KB to GR/OF: 12.00 ft

Serial #: 8734

Outside

Press@RunDepth: 30.59 psig @ 4462.00 ft (KB)

Start Date: 2022.06.28

End Date:

2022.06.29

Start Time: 19:50:01

End Time:

02:42:10

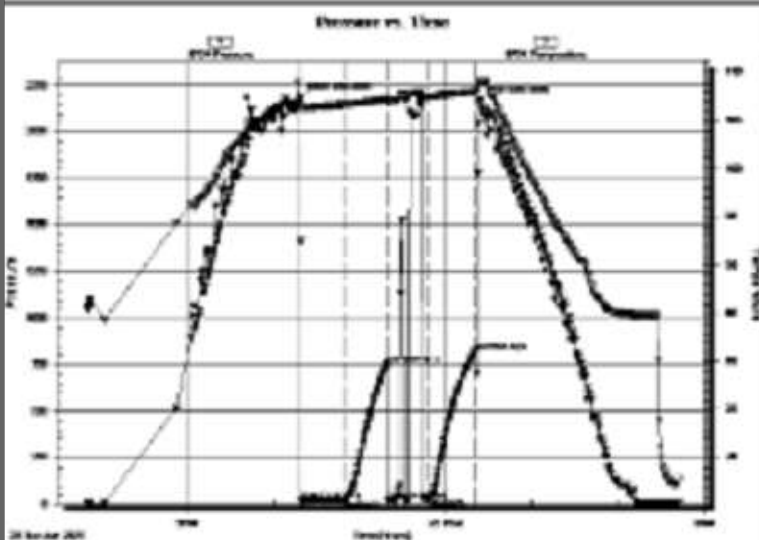
Capacity: 8000.00 psig

Last Calib.: 2022.06.29

Time On Btm: 2022.06.28 @ 22:18:20

Time Off Btm: 2022.06.29 @ 00:23:20

TEST COMMENT: 30-IF-Weak surface blow dead @ 5 mins
30-IS-No return
30-FF-No blow @ 5 mins, flushed tool, No blow
30-FBI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.98	106.87	Initial Hydro-static
1	24.64	106.15	Open To Flow (1)
31	26.93	106.64	Shut-In (1)
61	755.37	107.21	End Shut-In (1)
62	26.95	106.81	Open To Flow (2)
91	30.59	107.53	Shut-In (2)
123	825.57	108.04	End Shut-In (2)
126	2166.95	109.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22a-36w Kearny, KS

Job Ticket: 67946

DST#: 2

Test Start: 2022.06.30 @ 05:24:00

GENERAL INFORMATION:

Formation: "Johnson - Atoka"

Deviated: No Whipstock ft (KB)

Time Tool Opened: 08:13:30

Time Test Ended: 12:38:39

Interval: 4678.00 ft (KB) To 4780.00 ft (KB) (TVD)

Total Depth: 4760.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (OF)

KB to GR/OF: 12.00 ft

Serial #: 8734

Outside

Press @ Run Depth: 40.06 psig @ 4679.00 ft (KB)

Start Date: 2022.06.30

End Date:

2022.06.30

Start Time: 05:24:01

End Time:

12:38:40

Capacity: 3000.00 psig

Last Calib.: 2022.06.30

Time On Btmt: 2022.06.30 @ 08:13:10

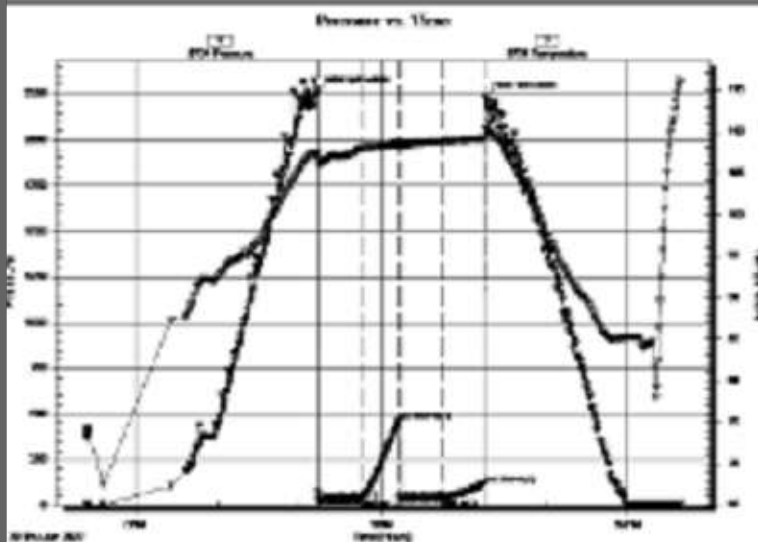
Time Off Btmt: 2022.06.30 @ 10:16:00

TEST COMMENT: 30-IF-1/2" blow dead @ 30 mins

30-IS-No return

30-FF-No blow

30-FBI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.16	107.17	Initial Hydro-static
1	32.28	105.56	Open To Flow (1)
31	36.40	107.50	Shut-In (1)
50	465.45	108.43	End Shut-In (1)
60	38.22	109.17	Open To Flow (2)
91	40.06	108.81	Shut-In (2)
122	121.00	109.14	End Shut-In (2)
123	2233.41	110.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 10%O, 90%M	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pelantno Petroleum Inc

4524 SE 84th St
Newton, KB 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22a-36w Kearny, KS

Job Ticket: 67949

DST#: 8

Test Start: 2022.07.01 @ 02:54:00

GENERAL INFORMATION:

Formation: Morrow

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:40

Time Test Ended: 11:03:20

Interval: 4745.00 ft (KB) To 4875.00 ft (KB) (TVD)

Total Depth: 4875.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Reference Elevations: 3141.00 ft (KB)

3125.00 ft (CF)

KB to GRVP: 12.00 ft

Serial #: 8734

Outside

Press@RunDepth: 49.82 psig @ 4745.00 ft (KB)

Start Date: 2022.07.01

End Date:

2022.07.01

Start Time: 02:54:01

End Time:

11:03:20

Capacity: 8000.00 psig

Last Calib.:

2022.07.01

Time On Btm: 2022.07.01 @ 06:35:20

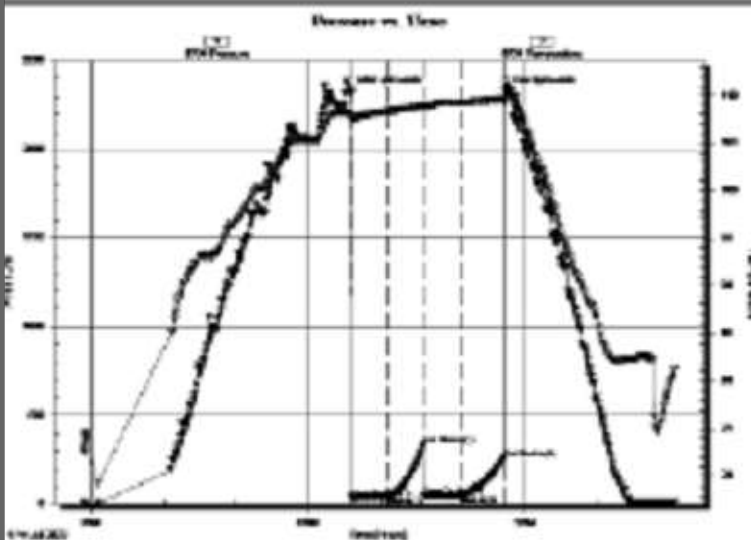
Time Off Btm: 2022.07.01 @ 08:43:30

TEST COMMENT: 30-IF-Blow built to 3/4"

30-IS-NO return

30-FF-NO blow

30-FB-NO return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2323.57	108.24	Initial Hydro-static
1	35.26	107.49	Open To Flow (1)
30	43.64	108.29	Shut-in(1)
61	333.90	108.87	End Shut-in(1)
61	46.43	108.79	Open To Flow (2)
91	49.82	109.26	Shut-in(2)
127	260.19	109.63	End Shut-in(2)
129	2319.39	111.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% Mud w/Oil spots	0.07

Gas Rates

	Choke (inch)	Pressure (psig)	Gas Rate (Mscf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palamino Petroleum Inc.

4524 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67949

DST#: 4

Test Start: 2022.07.02 @ 13:42:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 16:16:00

Time Test Ended: 21:33:00

Interval: 4965.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 6070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 81

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8734

Outside

Press @ Run Depth: 230.53 psig @ 4462.00 ft (KB)

Start Date: 2022.07.02

End Date:

2022.07.02

Start Time: 13:42:01

End Time:

21:33:00

Capacity: 8000.00 psig

Last Calib.: 2022.07.02

Time On Btm: 2022.07.02 @ 16:14:50

Time Off Btm: 2022.07.02 @ 18:22:39

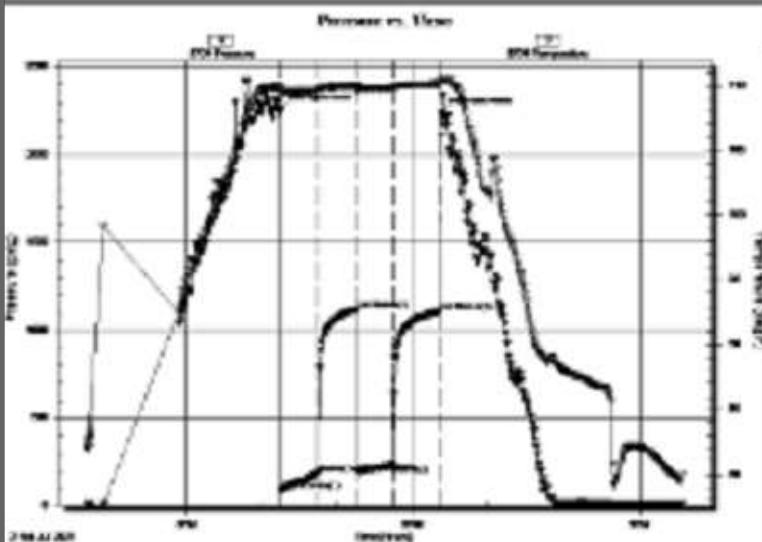
TEST COMMENT:

30-IF-Blow built to 8"

30-ISI-No return

30-FF-Blow built to 6 1/2"

30-FBI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.36	109.87	Initial Hydro-static
1	85.53	109.05	Open To Flow (1)
31	186.31	109.61	Shut-in(1)
61	1119.48	109.97	End Shut-in(1)
61	196.40	109.52	Open To Flow (2)
90	230.53	109.79	Shut-in(2)
127	1108.14	110.14	End Shut-in(2)
128	2238.39	110.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	WCM 25%W, 75%M	2.43

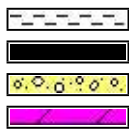
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (bl/d)
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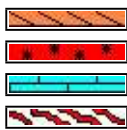
ROCK TYPES



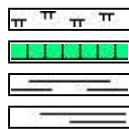
Anhy
Bent
Brec
Cht



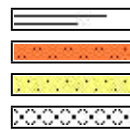
Cyst
Carb shale
Congl
Dol



Gyp
Igne
Lmst
Meta



Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till

ROP

ROP (min/ft)

Misc

% Lithology

Geological Descriptions

DST

MD
OI Shows

34

3450

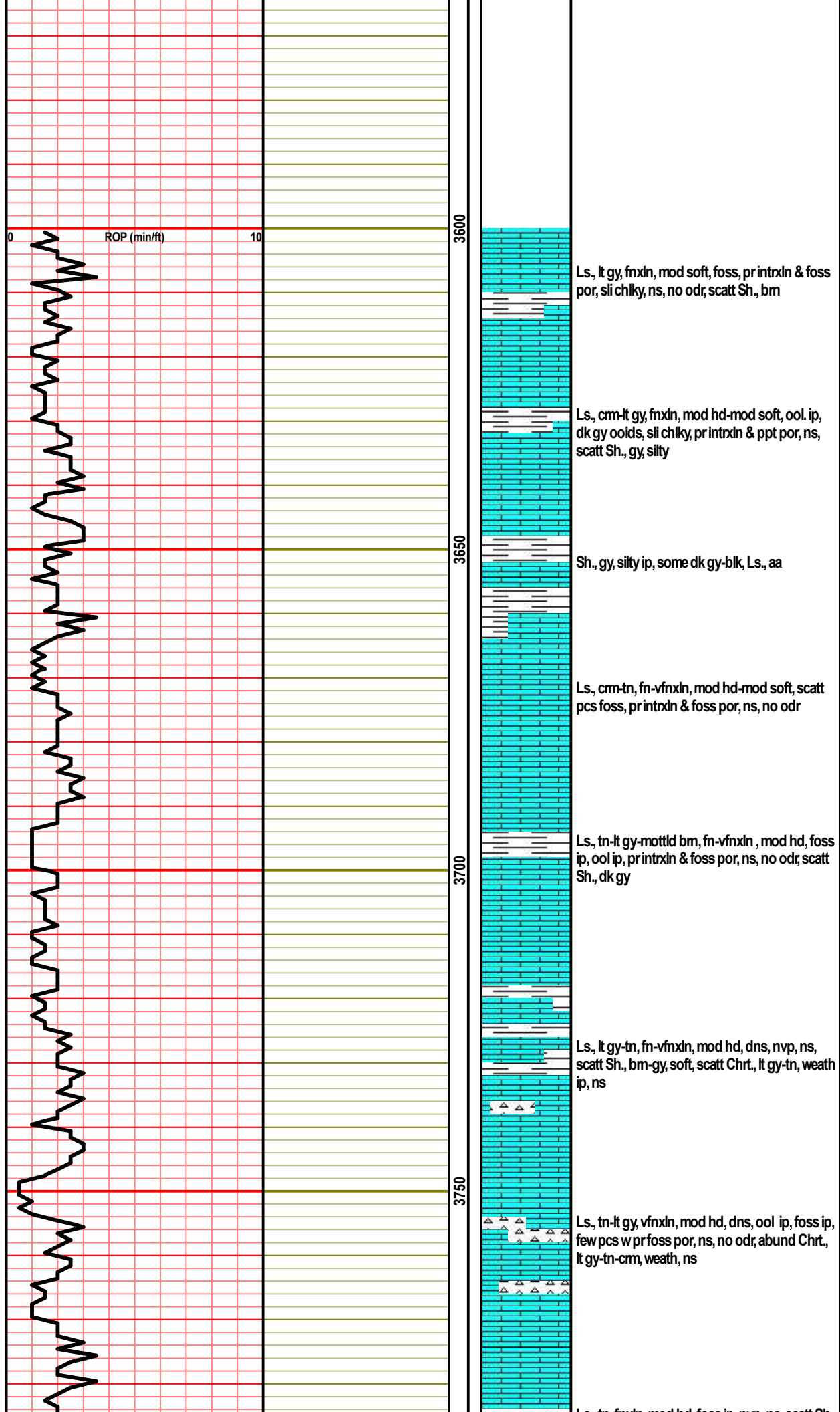
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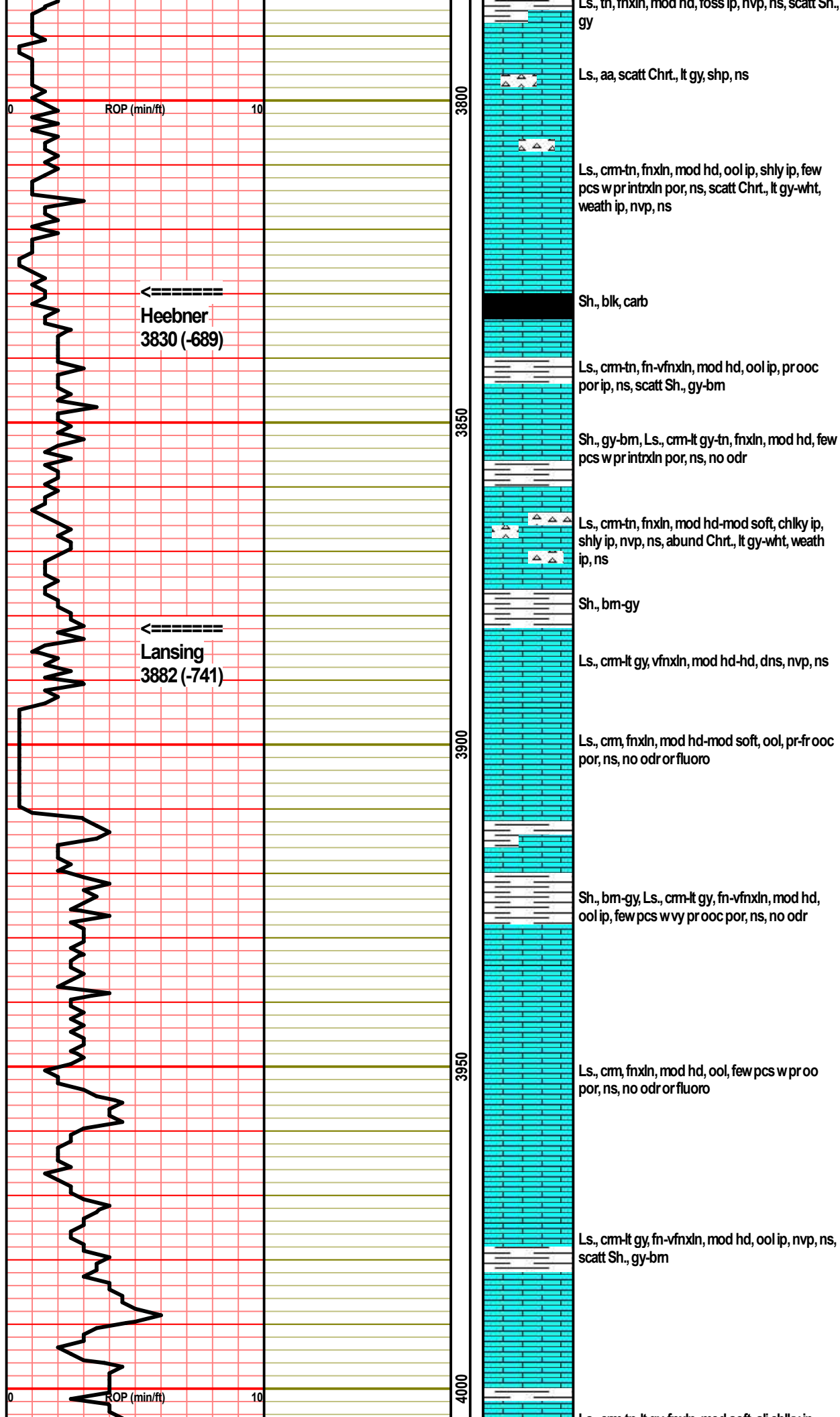
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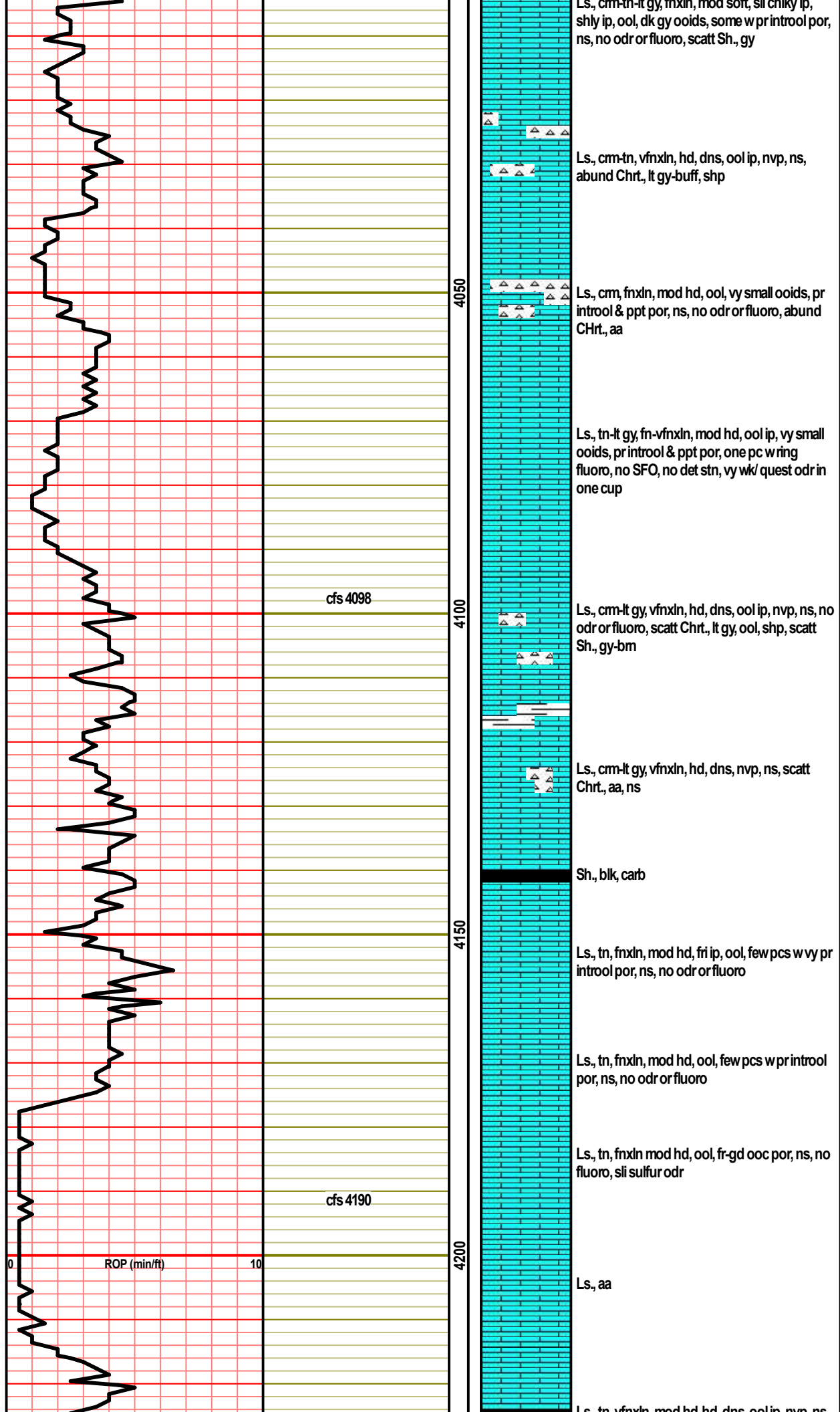
ROP (min/ft)

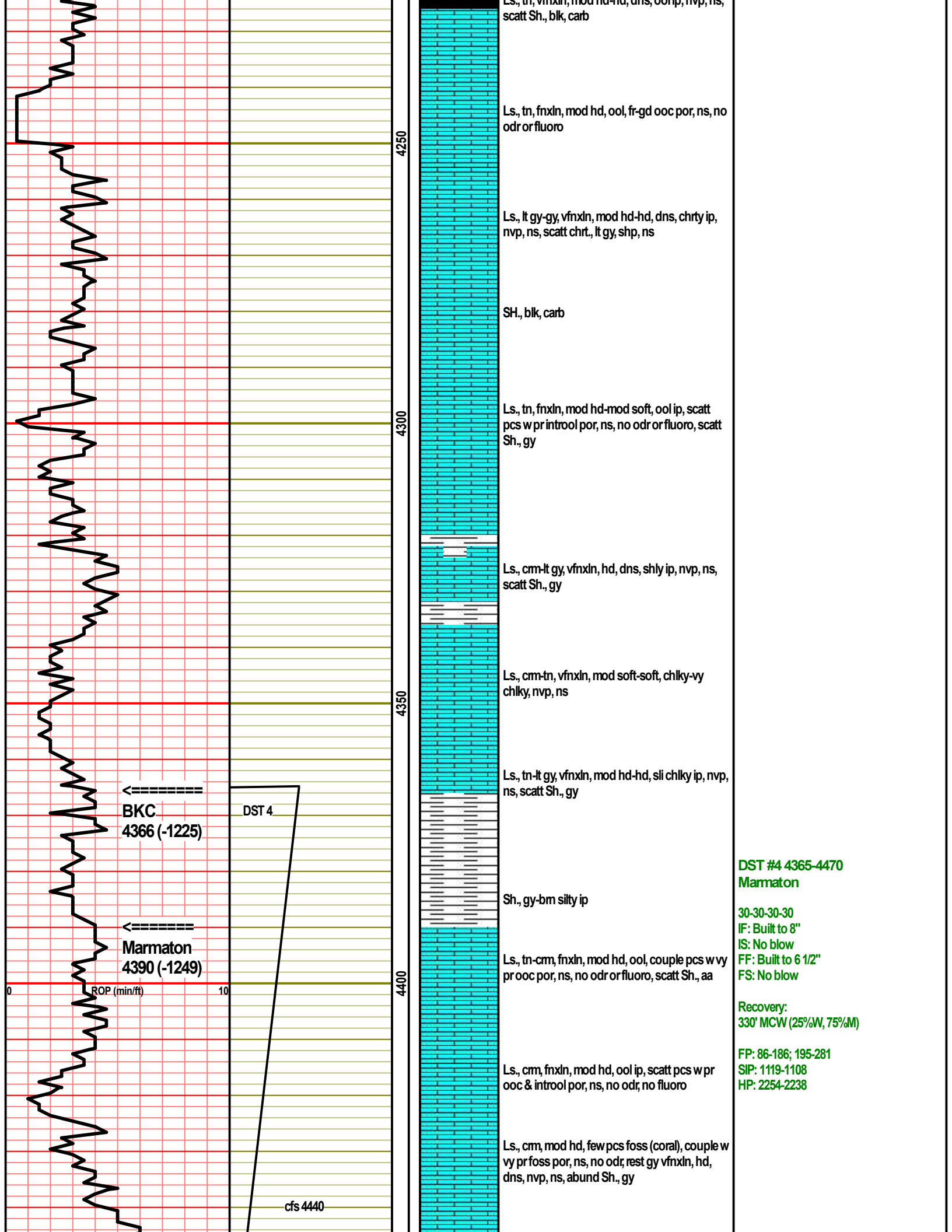
←=====
Anhy.
2082 (+1059)

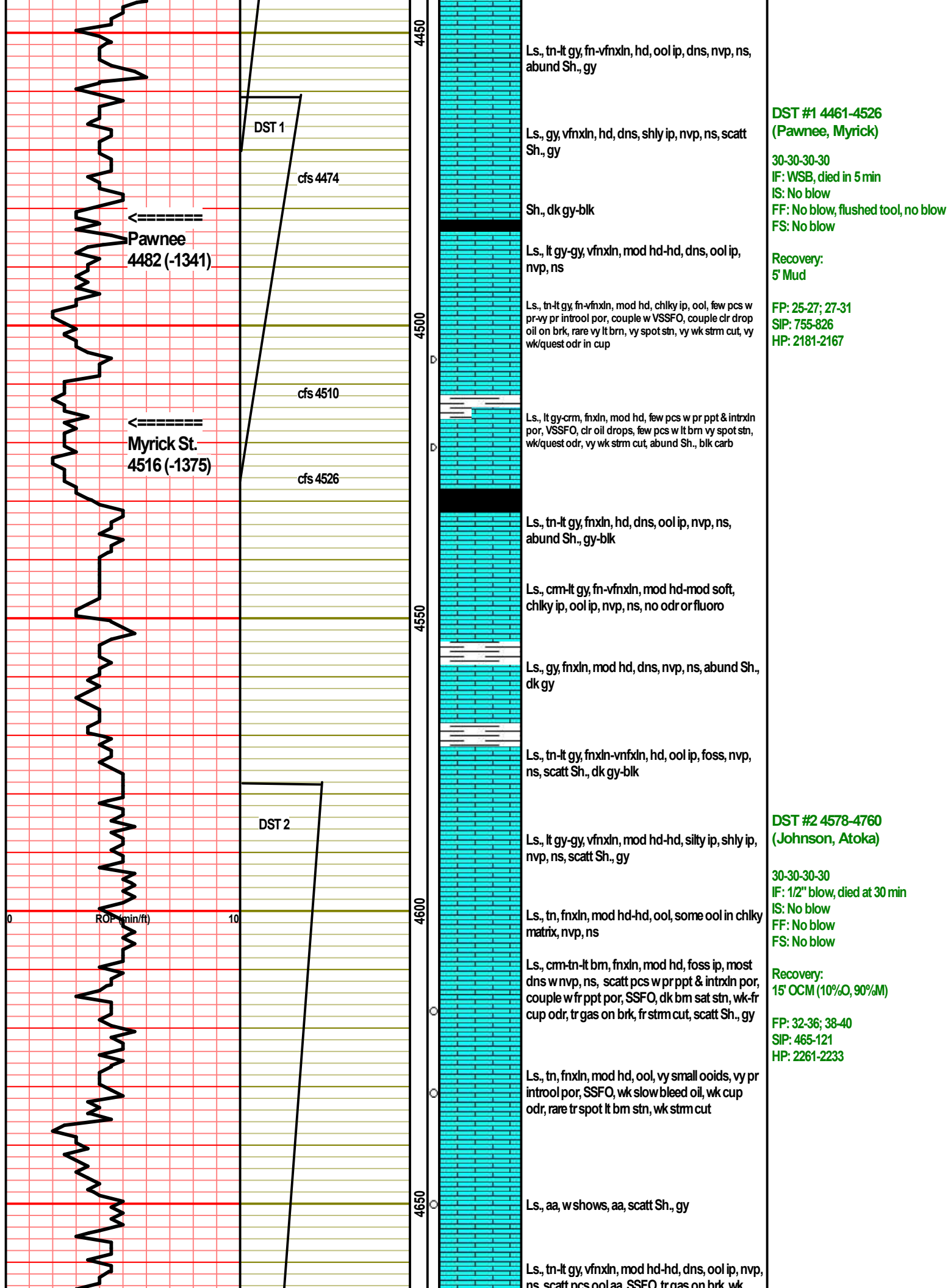
←=====
Base Anhy.
2104 (+1037)

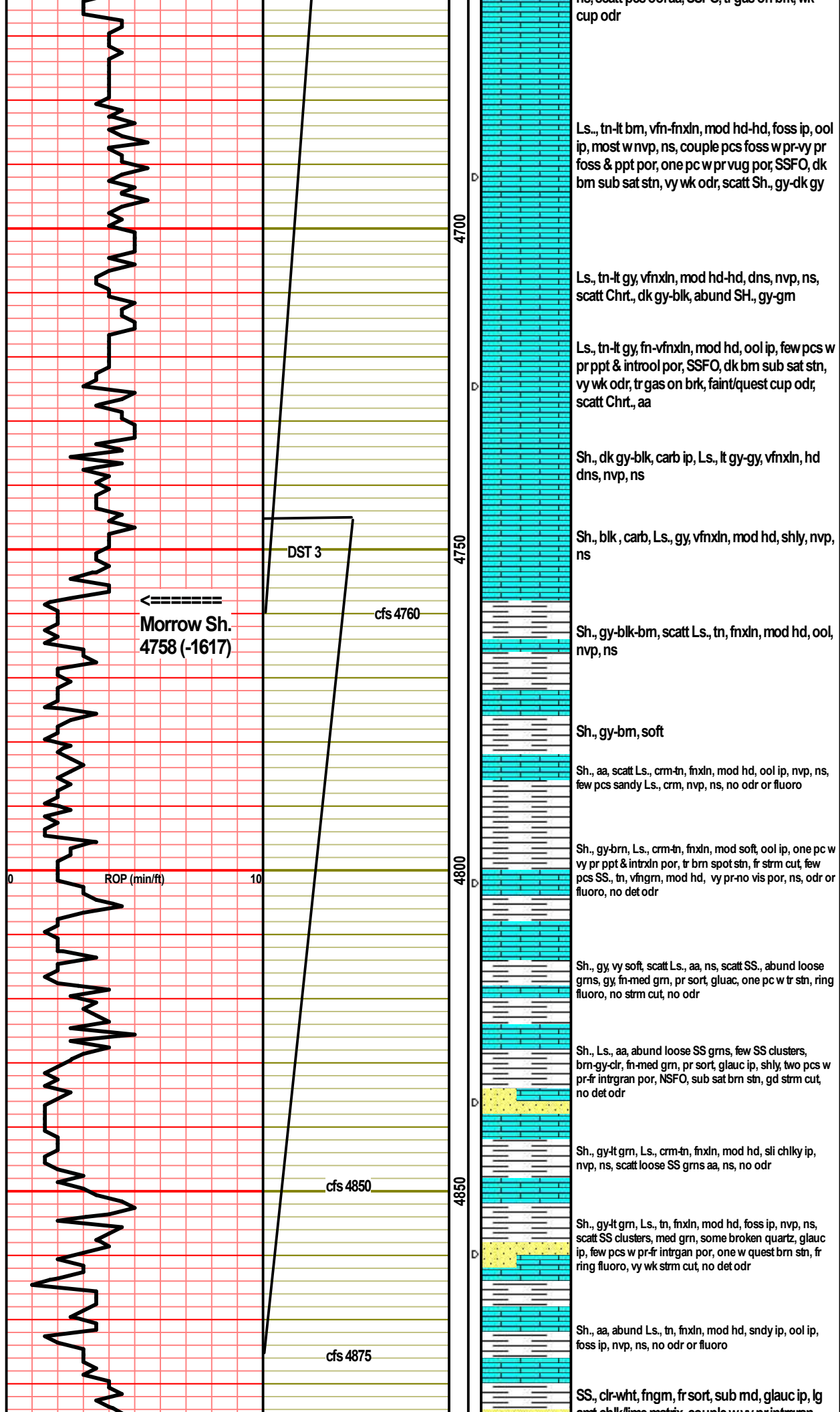










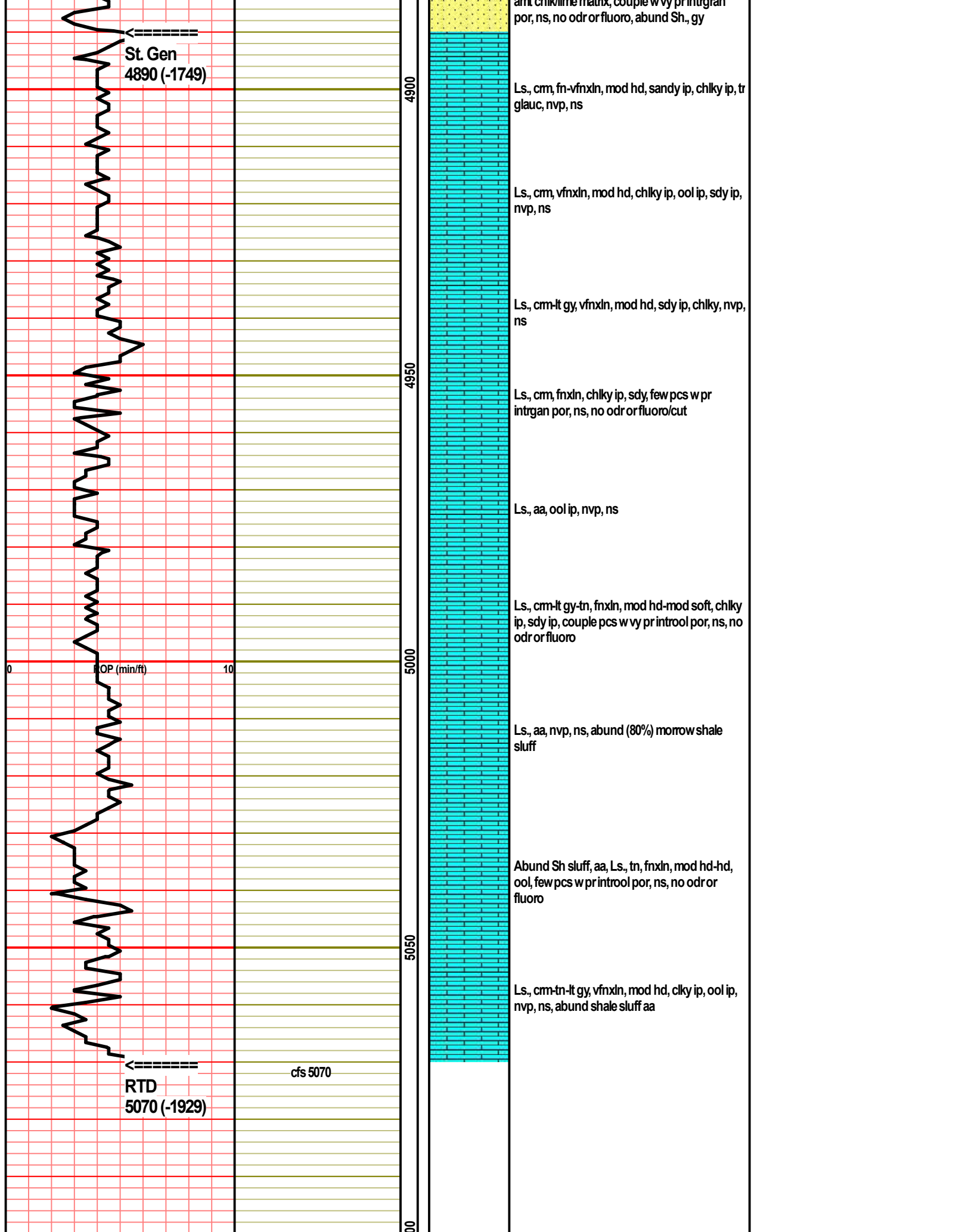


DST #3 4745-4875 Morrow

30-30-30-30
IF: Built to 3/4"
IS: No blow
FF: No blow
FS: No blow

Recovery:
15' Mud w oil spots

FP: 35-44; 46-50
SIP: 334-260
HP: 2324-2319





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84thST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67945

DST#: 1

Test Start: 2022.06.28 @ 19:50:00

GENERAL INFORMATION:

Formation: **Pawnee/Myrick**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:18:40

Time Test Ended: 02:42:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 81

Interval: 4461.00 ft (KB) To 4529.00 ft (KB) (TVD)

Total Depth: 4529.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 30.59 psig @ 4462.00 ft (KB)

Start Date: 2022.06.28

End Date:

2022.06.29

Start Time: 19:50:01

End Time:

02:42:10

Capacity: 8000.00 psig

Last Calib.: 2022.06.29

Time On Btm: 2022.06.28 @ 22:18:20

Time Off Btm: 2022.06.29 @ 00:23:20

TEST COMMENT: 30-IF-Weak surface blow dead @ 5 mins
30-ISI-No return
30-FF-No blow @ 5 mins, flushed tool, No blow
30-FSI-No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.98	106.87	Initial Hydro-static
1	24.64	106.15	Open To Flow (1)
31	26.93	106.64	Shut-In(1)
61	755.37	107.21	End Shut-In(1)
62	26.95	106.81	Open To Flow (2)
91	30.59	107.53	Shut-In(2)
123	825.97	108.04	End Shut-In(2)
126	2166.95	109.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84thST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67945

DST#: 1

Test Start: 2022.06.28 @ 19:50:00

GENERAL INFORMATION:

Formation: **Pawnee/Myrick**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:18:40

Time Test Ended: 02:42:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 81

Interval: 4461.00 ft (KB) To 4529.00 ft (KB) (TVD)

Total Depth: 4529.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4462.00 ft (KB)

Start Date: 2022.06.28

End Date:

2022.06.29

Start Time: 19:50:01

End Time:

02:42:10

Capacity: 8000.00 psig

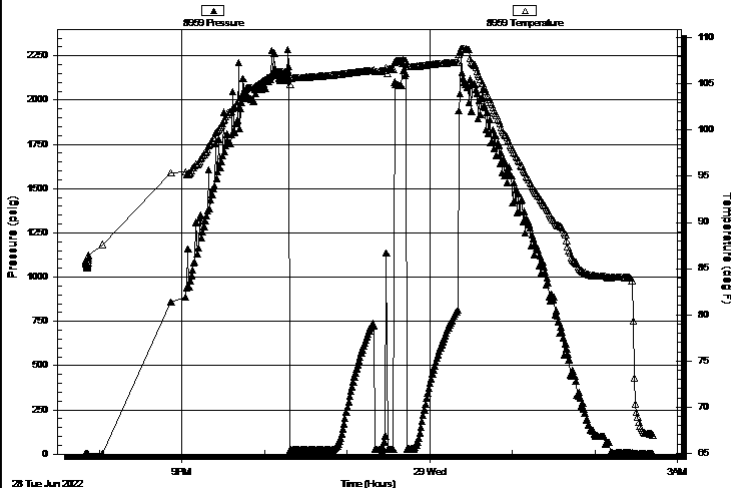
Last Calib.: 2022.06.29

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Weak surface blow dead @ 5 mins
30-ISI-No return
30-FF-No blow @ 5 mins, flushed tool, No blow
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum INC

25-22-36 Kearny, KS

4924 SE 84thST
New ton, KS 67114

RaidersOfTheLost Ark

Job Ticket: 67945

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2022.06.28 @ 19:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 8.39 in³

Resistivity: ohm.m

Salinity: 2950.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8734

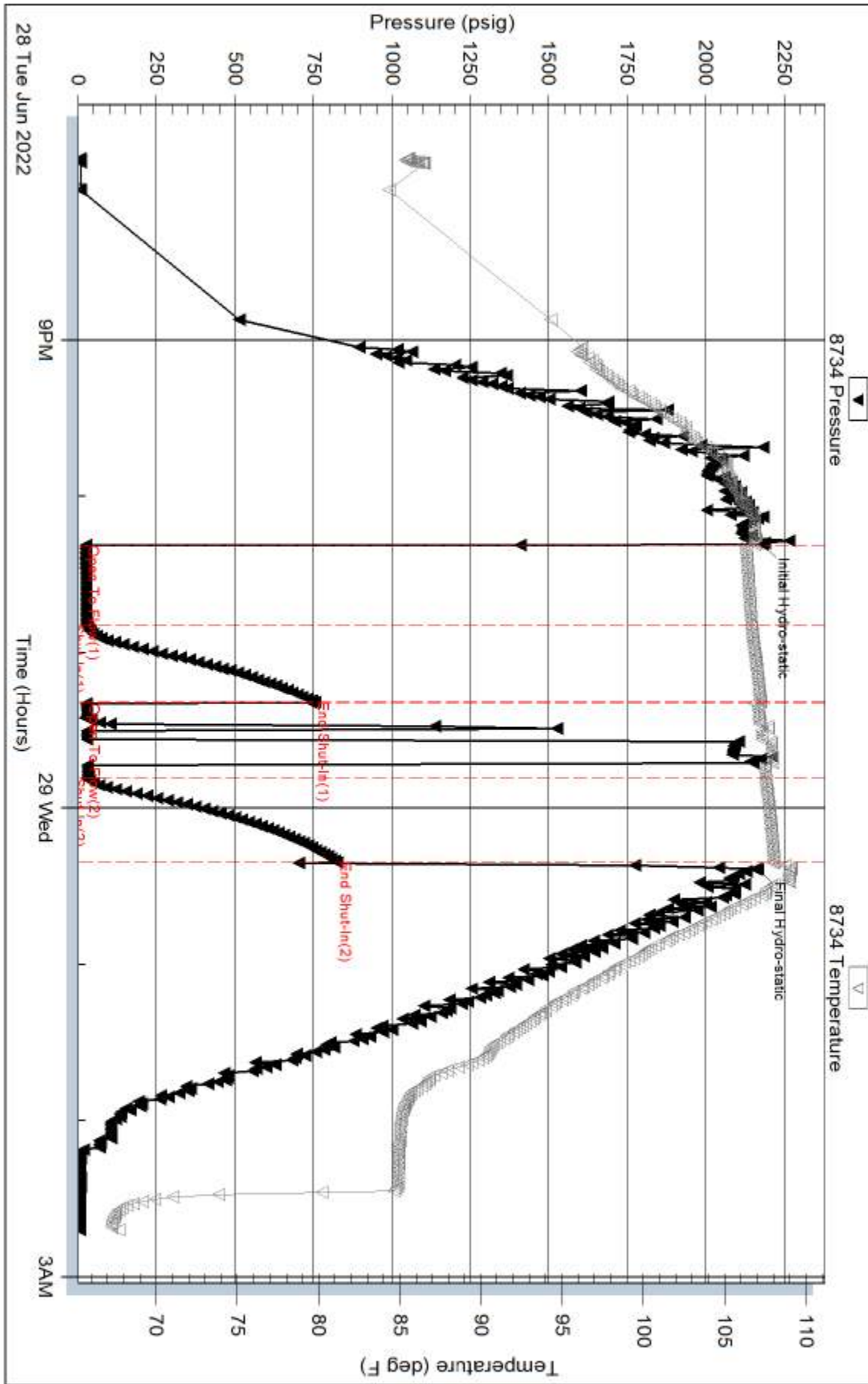
Outside

Palomino Petroleum INC

RaidersOfTheLost Ark

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 67945

Printed: 2022.06.29 @ 06:07:12

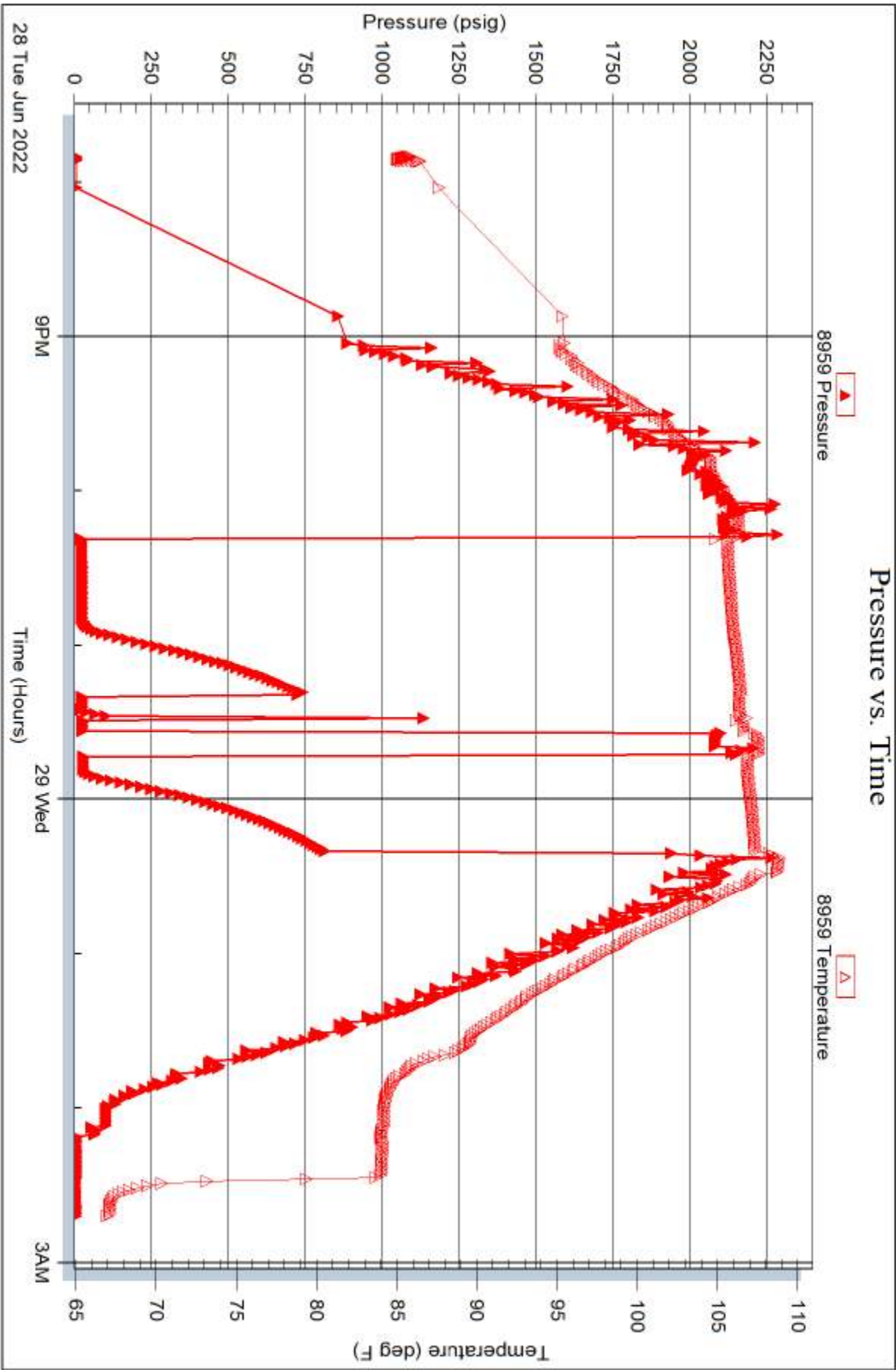
Serial #: 8959

Inside

Palomino Petroleum INC

RaidersOfTheLost Ark

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

25-22s-36w Kearny,KS

Raiders of the Lost Ark #1

Start Date: 2022.06.28 @ 19:50:00

End Date: 2022.06.29 @ 02:42:09

Job Ticket #: 67945 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.07.06 @ 14:01:29

Palomino Petroleum Inc

Raiders of the Lost Ark #1

25-22s-36w Kearny,KS

DST # 1

Pawnee - Myrick

2022.06.28



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67945

DST#: 1

Test Start: 2022.06.28 @ 19:50:00

GENERAL INFORMATION:

Formation: **Pawnee - Myrick**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:18:40

Time Test Ended: 02:42:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 81

Interval: 4461.00 ft (KB) To 4529.00 ft (KB) (TVD)

Reference Elevations: 3141.00 ft (KB)

Total Depth: 4529.00 ft (KB) (TVD)

3129.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 30.59 psig @ 4462.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.28

End Date:

2022.06.29

Last Calib.: 2022.06.29

Start Time: 19:50:01

End Time:

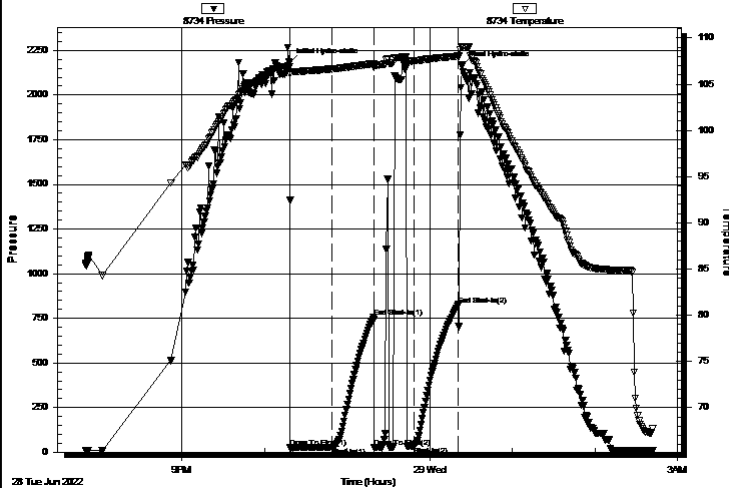
02:42:10

Time On Btm: 2022.06.28 @ 22:18:20

Time Off Btm: 2022.06.29 @ 00:23:20

TEST COMMENT: 30-IF-Weak surface blow dead @ 5 mins
30-ISI-No return
30-FF-No blow @ 5 mins, flushed tool, No blow
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.98	106.87	Initial Hydro-static
1	24.64	106.15	Open To Flow (1)
31	26.93	106.64	Shut-In(1)
61	755.37	107.21	End Shut-In(1)
62	26.95	106.81	Open To Flow (2)
91	30.59	107.53	Shut-In(2)
123	825.97	108.04	End Shut-In(2)
126	2166.95	109.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67945

DST#: 1

Test Start: 2022.06.28 @ 19:50:00

GENERAL INFORMATION:

Formation: **Pawnee - Myrick**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:18:40

Time Test Ended: 02:42:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 81

Interval: 4461.00 ft (KB) To 4529.00 ft (KB) (TVD)

Total Depth: 4529.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4462.00 ft (KB)

Start Date: 2022.06.28

End Date:

2022.06.29

Start Time: 19:50:01

End Time:

02:42:10

Capacity: 8000.00 psig

Last Calib.:

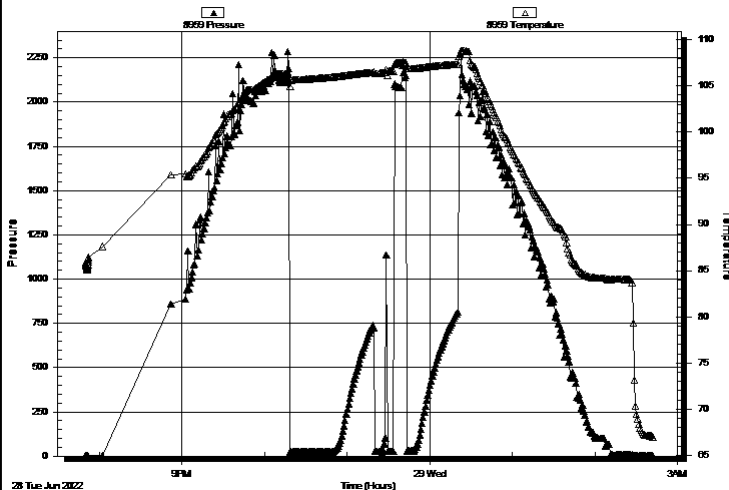
2022.06.29

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Weak surface blow dead @ 5 mins
30-ISI-No return
30-FF-No blow @ 5 mins, flushed tool, No blow
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny,KS

Job Ticket: 67945

DST#: 1

Test Start: 2022.06.28 @ 19:50:00

Tool Information

Drill Pipe:	Length:	4223.00 ft	Diameter:	3.80 inches	Volume:	59.24 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	241.00 ft	Diameter:	2.25 inches	Volume:	1.19 bbl	Weight to Pull Loose:	85000.00 lb
					Total Volume:	60.43 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft							
Depth to Top Packer:	4461.00 ft							
Depth to Bottom Packer:	ft							
Interval between Packers:	68.00 ft							
Tool Length:	96.00 ft							
Number of Packers:	2		Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		4434.00	
Shut In Tool	5.00		4439.00	
Hydraulic tool	5.00	1113	4444.00	
Jars	5.00	01-07	4449.00	
Safety Joint	3.00	-001	4452.00	
Packer	5.00		4457.00	28.00 Bottom Of Top Packer
Packer	4.00		4461.00	
Stubb	1.00		4462.00	
Recorder	0.00	8959 Inside	4462.00	
Recorder	0.00	8734 Outside	4462.00	
Perforations	28.00		4490.00	
Change Over Sub	1.00		4491.00	
Drill Pipe	32.00		4523.00	
Change Over Sub	1.00		4524.00	
Bullnose	5.00		4529.00	68.00 Bottom Packers & Anchor

Total Tool Length: 96.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

Raiders of the Lost Ark #1

4924 SE 84th St
New ton, KS 67114

25-22s-36w Kearny, KS

Job Ticket: 67945

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2022.06.28 @ 19:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2950.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8734

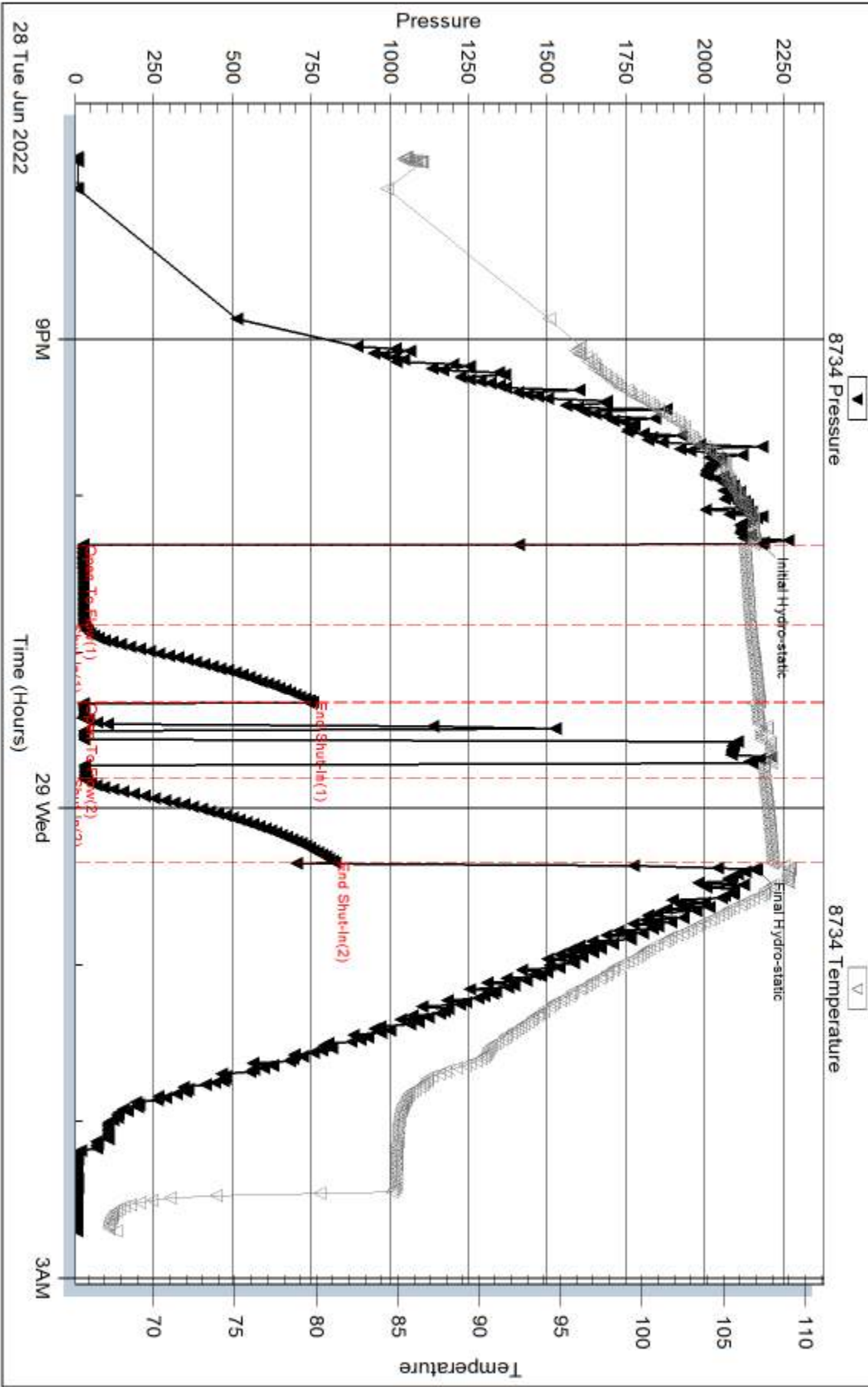
Outside

Palomino Petroleum Inc

25-22s-36w Kearny,KS

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 67945

Printed: 2022.07.06 @ 14:01:32

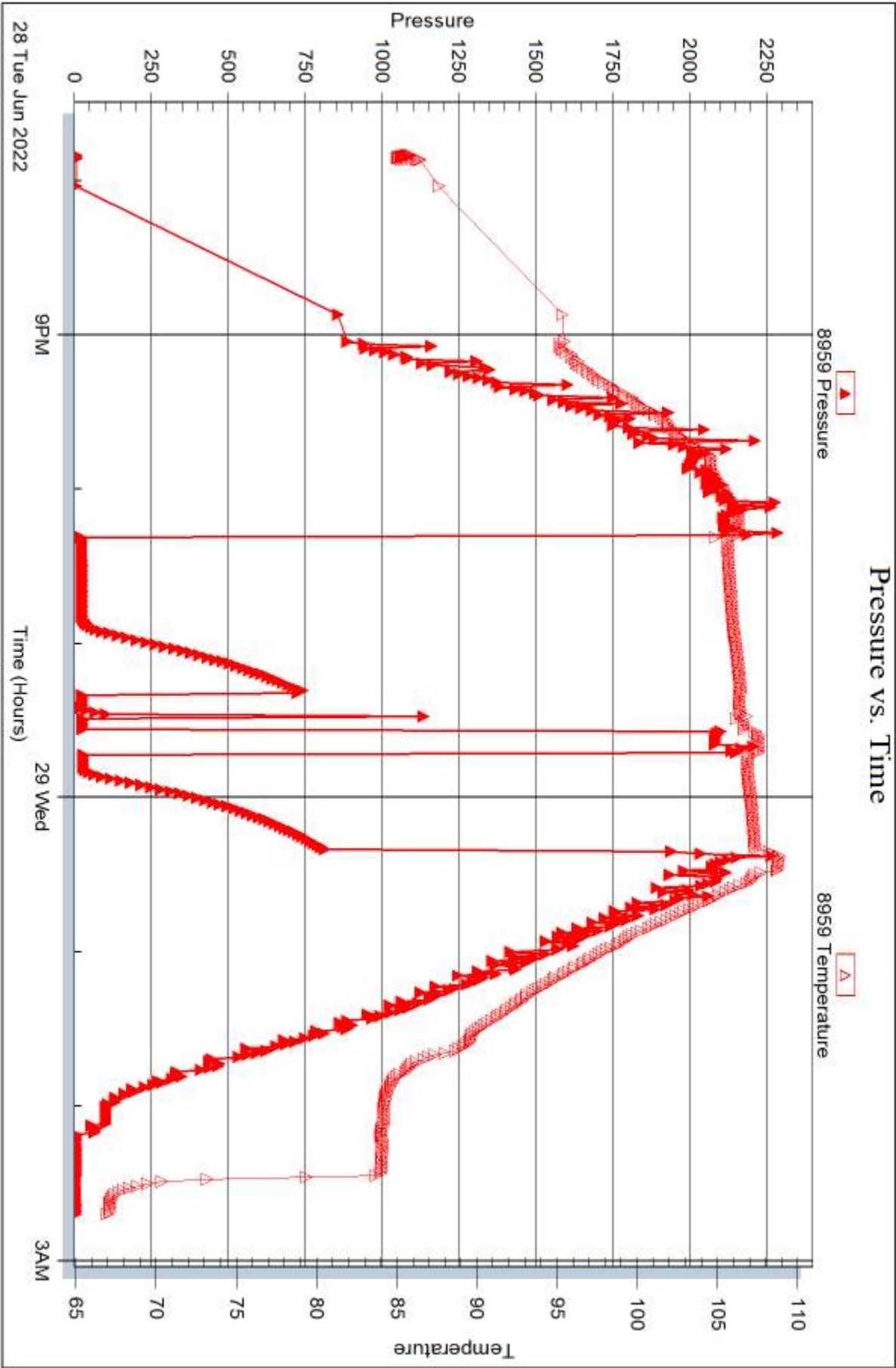
Serial #: 8959

Inside

Palomino Petroleum Inc

25-22s-36w Kearny,KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

25-22s-36w Kearny,KS

Raiders of the Lost Ark #1

Start Date: 2022.06.30 @ 05:24:00

End Date: 2022.06.30 @ 12:38:39

Job Ticket #: 67946 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.07.06 @ 13:49:55

Palomino Petroleum Inc

Raiders of the Lost Ark #1

25-22s-36w Kearny,KS

DST # 2

"Johnson - Atoka"

2022.06.30



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67946

DST#: 2

Test Start: 2022.06.30 @ 05:24:00

GENERAL INFORMATION:

Formation: **" Johnson - Atoka"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:30

Time Test Ended: 12:38:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4578.00 ft (KB) To 4760.00 ft (KB) (TVD)

Total Depth: 4760.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 40.06 psig @ 4579.00 ft (KB)

Start Date: 2022.06.30

End Date:

2022.06.30

Start Time: 05:24:01

End Time:

12:38:40

Capacity: 8000.00 psig

Last Calib.: 2022.06.30

Time On Btm: 2022.06.30 @ 08:13:10

Time Off Btm: 2022.06.30 @ 10:16:00

TEST COMMENT: 30-IF-1/2" blow dead @ 30 mins

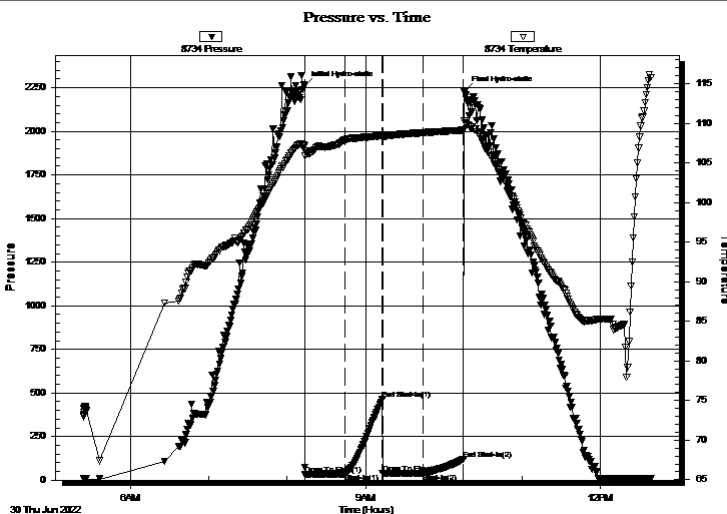
30-ISI-No return

30-FF-No blow

30-FSI-No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.16	107.17	Initial Hydro-static
1	32.28	106.56	Open To Flow (1)
31	36.40	107.90	Shut-In(1)
60	465.45	108.43	End Shut-In(1)
60	38.22	108.17	Open To Flow (2)
91	40.06	108.81	Shut-In(2)
122	121.00	109.14	End Shut-In(2)
123	2233.41	110.09	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 10%O, 90%M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67946

DST#: 2

Test Start: 2022.06.30 @ 05:24:00

GENERAL INFORMATION:

Formation: **" Johnson - Atoka"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:30

Time Test Ended: 12:38:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4578.00 ft (KB) To 4760.00 ft (KB) (TVD)

Total Depth: 4760.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4579.00 ft (KB)

Start Date: 2022.06.30

End Date:

2022.06.30

Start Time: 05:24:01

End Time:

12:38:30

Capacity: 8000.00 psig

Last Calib.: 2022.06.30

Time On Btm:

Time Off Btm:

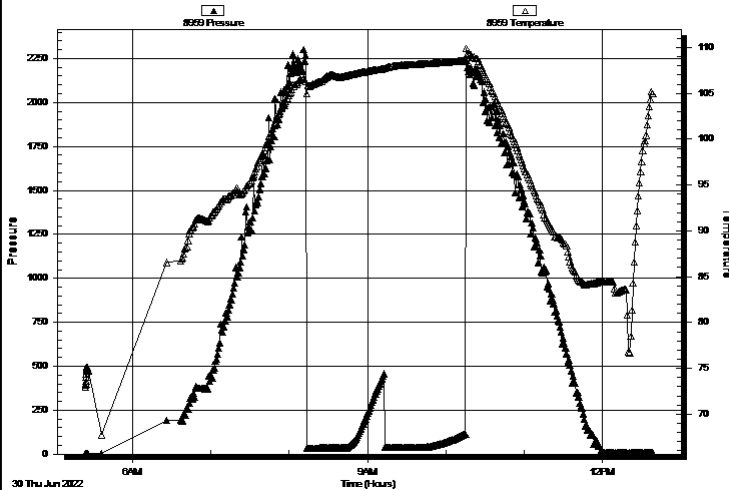
TEST COMMENT: 30-IF-1/2" blow dead @ 30 mins

30-ISI-No return

30-FF-No blow

30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
15.00	OCM 10%O, 90%M	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny,KS

Job Ticket: 67946

DST#: 2

Test Start: 2022.06.30 @ 05:24:00

Tool Information

Drill Pipe:	Length:	4318.00 ft	Diameter:	3.80 inches	Volume:	60.57 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	241.00 ft	Diameter:	2.25 inches	Volume:	1.19 bbl	Weight to Pull Loose:	85000.00 lb
					Total Volume:	61.76 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft					String Weight: Initial	70000.00 lb	
Depth to Top Packer:	4578.00 ft					Final	70000.00 lb	
Depth to Bottom Packer:	ft							
Interval between Packers:	182.00 ft							
Tool Length:	215.00 ft							
Number of Packers:	2	Diameter:	6.75 inches					
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		4546.00	
Shut In Tool	5.00		4551.00	
Hydraulic tool	5.00	1113	4556.00	
Jars	5.00	01-07	4561.00	
EM Tool	5.00		4566.00	
Safety Joint	3.00	-001	4569.00	
Packer	5.00		4574.00	33.00 Bottom Of Top Packer
Packer	4.00		4578.00	
Packer - Shale	0.00		4578.00	
Stubb	1.00		4579.00	
Recorder	0.00	8959 Inside	4579.00	
Recorder	0.00	8734 Outside	4579.00	
Perforations	15.00		4594.00	
Change Over Sub	1.00		4595.00	
Drill Pipe	159.00		4754.00	
Change Over Sub	1.00		4755.00	
Bullnose	5.00		4760.00	182.00 Bottom Packers & Anchor
Total Tool Length:	215.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

Raiders of the Lost Ark #1

4924 SE 84th St
New ton, KS 67114

25-22s-36w Kearny, KS

Job Ticket: 67946

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2022.06.30 @ 05:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 10%O, 90%M	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:

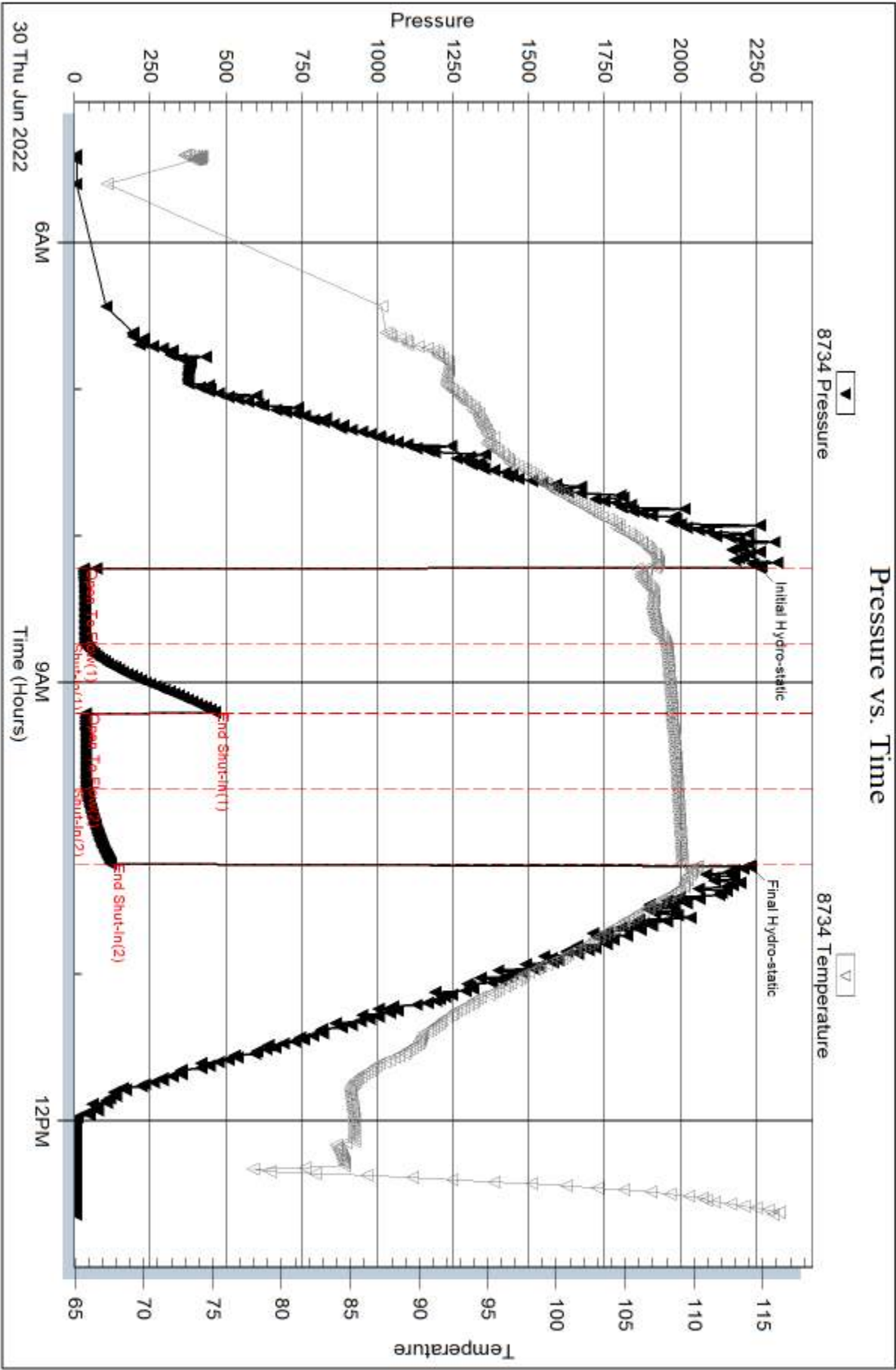
Recovery Comments:

Serial #: 8734

Outside Palomino Petroleum Inc

25-22s-36w Kearny, KS

DST Test Number: 2



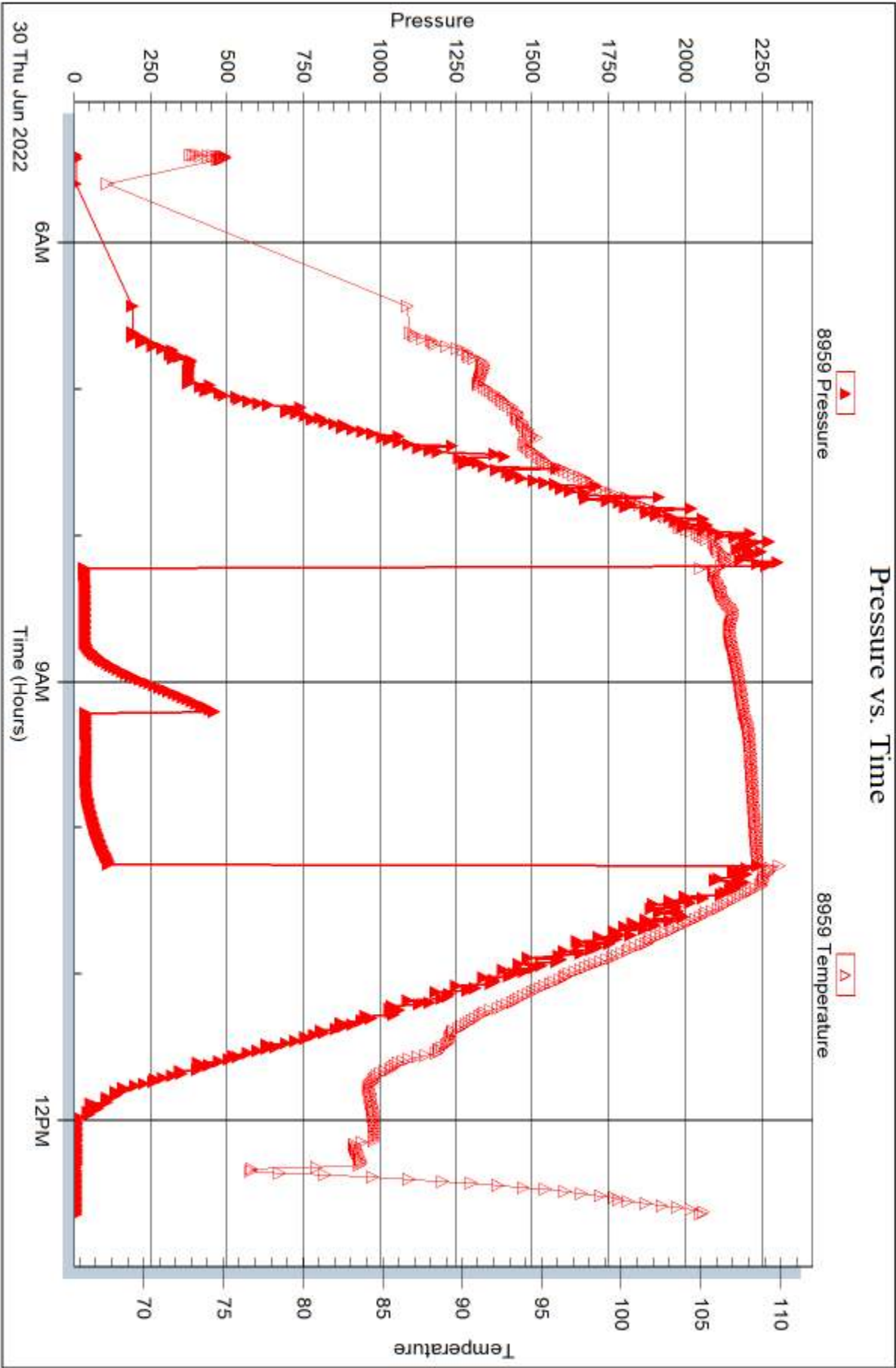
Serial #: 8959

Inside

Palomino Petroleum Inc

25-22s-36w Kearny, KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

25-22s-36w Kearny,KS

Raiders of the Lost Ark #1

Start Date: 2022.07.01 @ 02:54:00

End Date: 2022.07.01 @ 11:03:20

Job Ticket #: 67949 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.07.06 @ 13:49:06

Palomino Petroleum Inc

Raiders of the Lost Ark #1

25-22s-36w Kearny,KS

DST # 3

Morrow

2022.07.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny,KS

Job Ticket: 67949

DST#: 3

Test Start: 2022.07.01 @ 02:54:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:40

Time Test Ended: 11:03:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4745.00 ft (KB) To 4875.00 ft (KB) (TVD)

Total Depth: 4875.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 49.82 psig @ 4746.00 ft (KB)

Start Date: 2022.07.01

End Date:

2022.07.01

Start Time: 02:54:01

End Time:

11:03:20

Capacity: 8000.00 psig

Last Calib.: 2022.07.01

Time On Btm: 2022.07.01 @ 06:35:20

Time Off Btm: 2022.07.01 @ 08:43:30

TEST COMMENT: 30-IF-Blow built to 3/4"

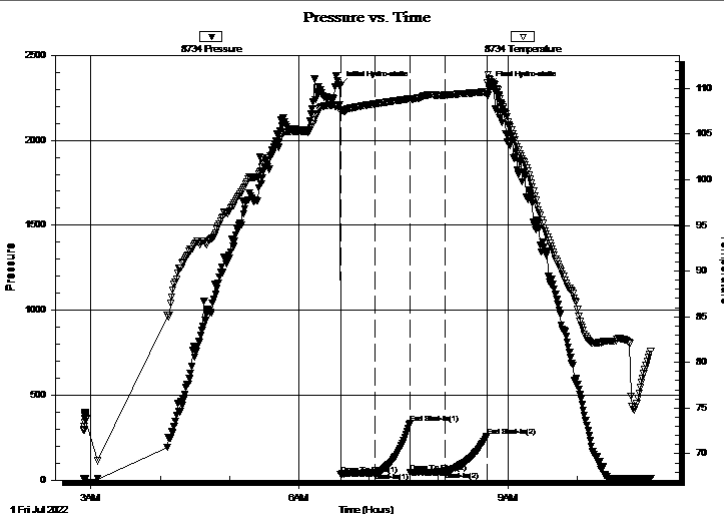
30-ISI-No return

30-FF-No blow

30-FSI-No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2323.57	108.24	Initial Hydro-static
1	35.26	107.49	Open To Flow (1)
30	43.64	108.29	Shut-In(1)
61	333.50	108.87	End Shut-In(1)
61	46.43	108.79	Open To Flow (2)
91	49.82	109.26	Shut-In(2)
127	260.19	109.63	End Shut-In(2)
129	2319.39	111.10	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% Mud w /Oil spots	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67949

DST#: 3

Test Start: 2022.07.01 @ 02:54:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:40

Time Test Ended: 11:03:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4745.00 ft (KB) To 4875.00 ft (KB) (TVD)

Total Depth: 4875.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4746.00 ft (KB)

Start Date: 2022.07.01 End Date: 2022.07.01

Start Time: 02:54:01 End Time: 11:03:20

Capacity: 8000.00 psig

Last Calib.: 2022.07.01

Time On Btm:

Time Off Btm:

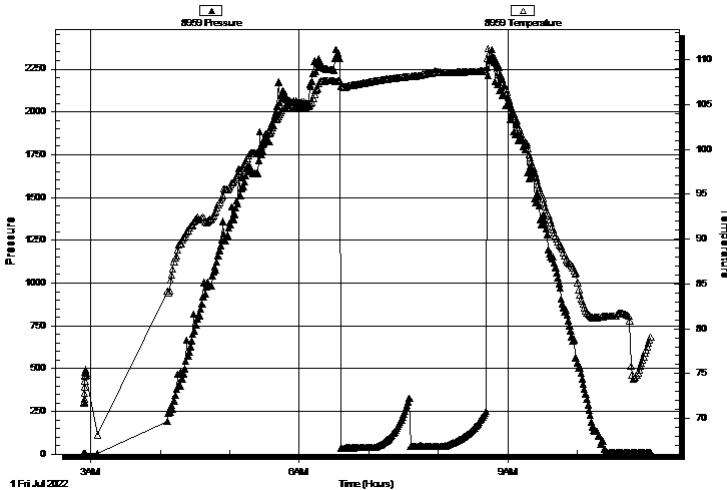
TEST COMMENT: 30-IF-Blow built to 3/4"

30-ISI-No return

30-FF-No blow

30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
15.00	100% Mud w /Oil spots	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

Raiders of the Lost Ark #1

4924 SE 84th St
New ton, KS 67114

25-22s-36w Kearny,KS

Job Ticket: 67949

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2022.07.01 @ 02:54:00

Tool Information

Drill Pipe:	Length:	4507.00 ft	Diameter:	3.80 inches	Volume:	63.22 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	241.00 ft	Diameter:	2.25 inches	Volume:	1.19 bbl	Weight to Pull Loose:	90000.00 lb
					Total Volume:	64.41 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	36.00 ft							
Depth to Top Packer:	4745.00 ft							
Depth to Bottom Packer:	ft							
Interval between Packers:	130.00 ft							
Tool Length:	163.00 ft							
Number of Packers:	2		Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------	------------	----------	------------	----------------

Change Over Sub	1.00		4713.00	
Shut In Tool	5.00		4718.00	
Hydraulic tool	5.00	1113	4723.00	
Jars	5.00	01-07	4728.00	
EM Tool	5.00		4733.00	
Safety Joint	3.00	-001	4736.00	
Packer	5.00		4741.00	33.00 Bottom Of Top Packer
Packer	4.00		4745.00	
Packer - Shale	0.00		4745.00	
Stubb	1.00		4746.00	
Recorder	0.00	8959	Inside	4746.00
Recorder	0.00	8734	Outside	4746.00
Perforations	26.00		4772.00	
Change Over Sub	1.00		4773.00	
Drill Pipe	96.00		4869.00	
Change Over Sub	1.00		4870.00	
Bullnose	5.00		4875.00	130.00 Bottom Packers & Anchor
Total Tool Length:	163.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

Raiders of the Lost Ark #1

4924 SE 84th St
New ton, KS 67114

25-22s-36w Kearny,KS

Job Ticket: 67949

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2022.07.01 @ 02:54:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100% Mud w /Oil spots	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:

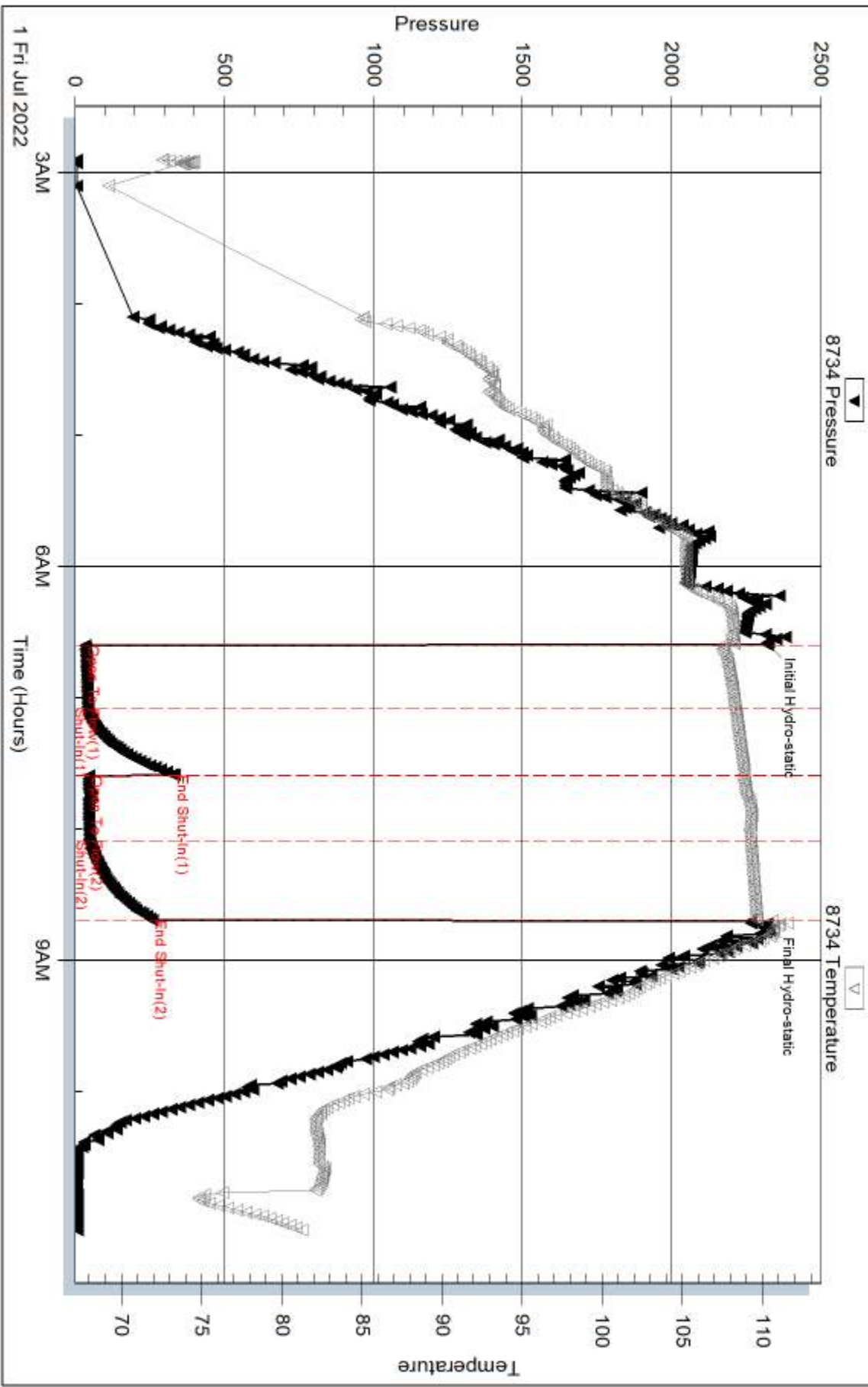
Serial #: 8734

Outside Palomino Petroleum Inc

25-22s-36w Kearny,KS

DST Test Number: 3

Pressure vs. Time



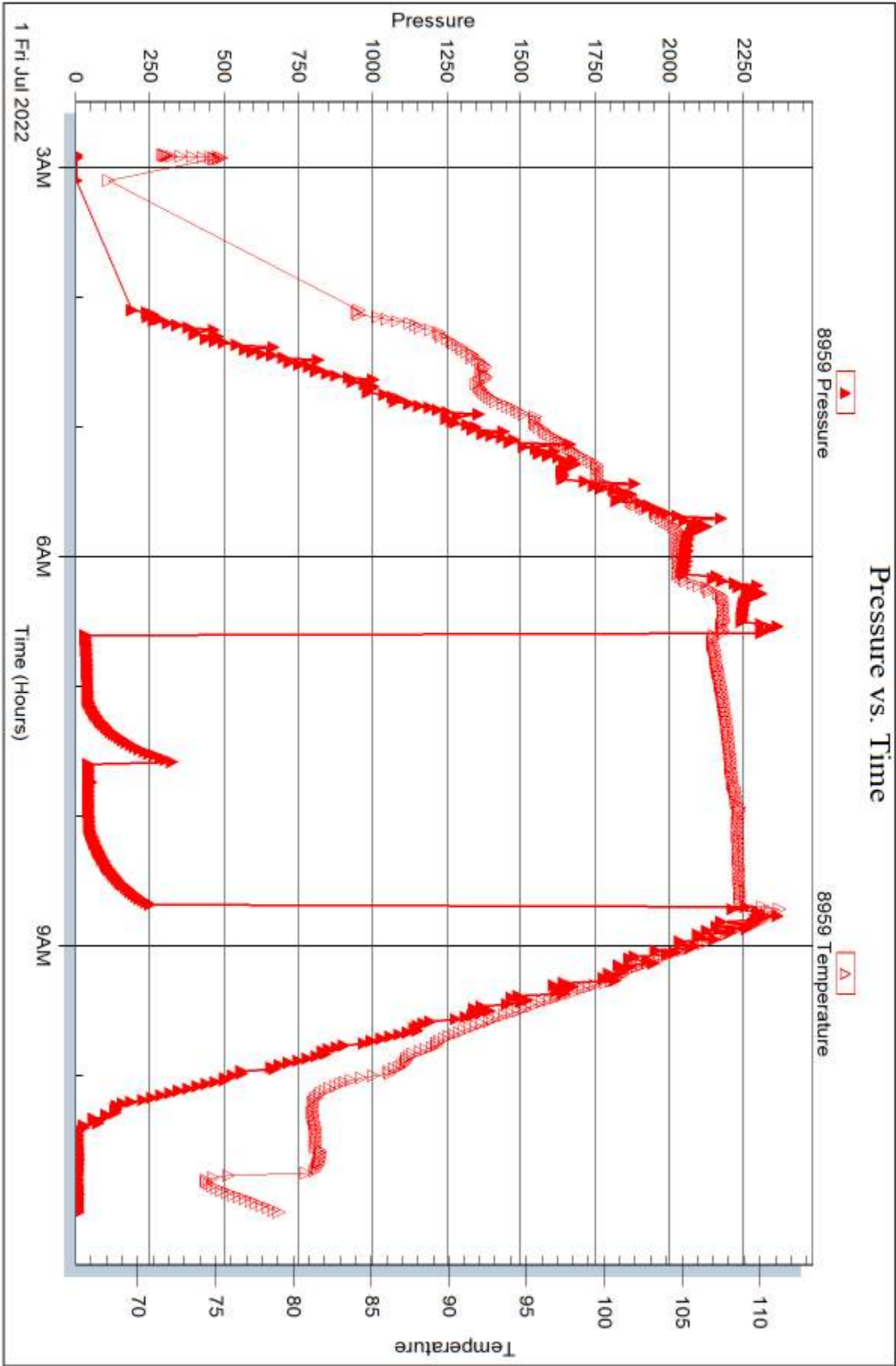
Serial #: 8959

Inside

Palomino Petroleum Inc

25-22s-36w Kearny, KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

25-22s-36w Kearny,KS

Raiders of the Lost Ark #1

Start Date: 2022.07.02 @ 13:42:00

End Date: 2022.07.02 @ 21:33:00

Job Ticket #: 67949 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.07.06 @ 13:44:11

Palomino Petroleum Inc

Raiders of the Lost Ark #1

25-22s-36w Kearny,KS

DST # 4

Marmaton

2022.07.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67949

DST#: 4

Test Start: 2022.07.02 @ 13:42:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:15:00

Time Test Ended: 21:33:00

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4365.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 5070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 230.53 psig @ 4462.00 ft (KB)

Start Date: 2022.07.02

End Date:

2022.07.02

Start Time: 13:42:01

End Time:

21:33:00

Capacity: 8000.00 psig

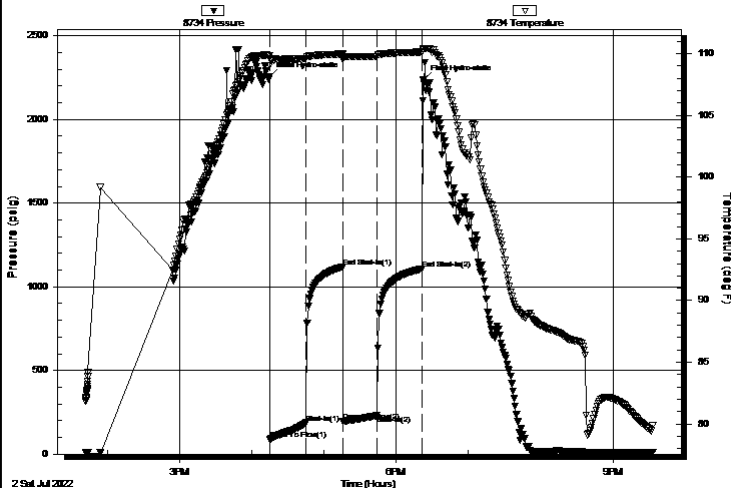
Last Calib.: 2022.07.02

Time On Btm: 2022.07.02 @ 16:14:50

Time Off Btm: 2022.07.02 @ 18:22:39

TEST COMMENT: 30-IF-Blow built to 8"
30-ISI-No return
30-FF-Blow built to 6 1/2"
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.36	109.87	Initial Hydro-static
1	85.53	109.05	Open To Flow (1)
31	186.31	109.61	Shut-In(1)
61	1119.48	109.97	End Shut-In(1)
61	195.40	109.52	Open To Flow (2)
90	230.53	109.79	Shut-In(2)
127	1108.14	110.14	End Shut-In(2)
128	2238.39	110.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	WCM 25%W, 75%M	2.43

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67949

DST#: 4

Test Start: 2022.07.02 @ 13:42:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:15:00

Time Test Ended: 21:33:00

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4365.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 5070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4462.00 ft (KB)

Start Date: 2022.07.02

End Date:

2022.07.02

Start Time: 13:42:01

End Time:

21:33:00

Capacity: 8000.00 psig

Last Calib.:

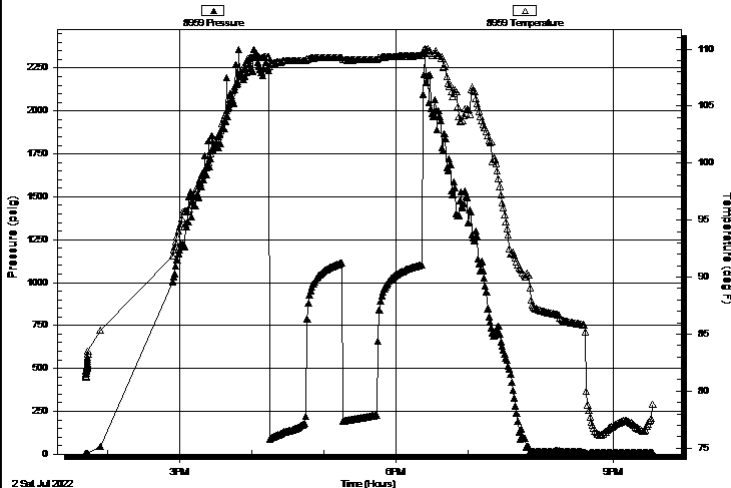
2022.07.02

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Blow built to 8"
30-ISI-No return
30-FF-Blow built to 6 1/2"
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
330.00	WCM 25%W, 75%M	2.43

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny, KS

Job Ticket: 67949

DST#: 4

Test Start: 2022.07.02 @ 13:42:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:15:00

Time Test Ended: 21:33:00

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4365.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 5070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8520 Below (Straddle)

Press@RunDepth: psig @ 4473.00 ft (KB)

Start Date: 2022.07.02

End Date:

2022.07.02

Start Time: 13:42:01

End Time:

21:33:00

Capacity: 8000.00 psig

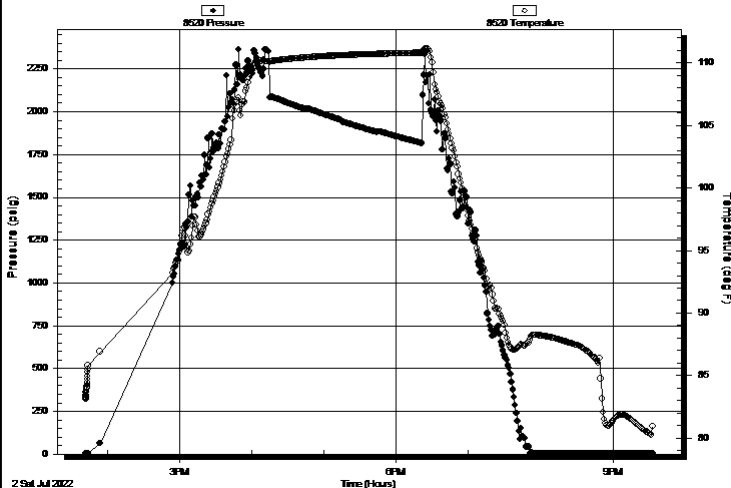
Last Calib.: 2022.07.02

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Blow built to 8"
30-ISI-No return
30-FF-Blow built to 6 1/2"
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
330.00	WCM 25%W, 75%M	2.43

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

Raiders of the Lost Ark #1

25-22s-36w Kearny,KS

Job Ticket: 67949

DST#: 4

Test Start: 2022.07.02 @ 13:42:00

Tool Information

Drill Pipe:	Length: 4128.00 ft	Diameter: 3.80 inches	Volume: 57.90 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	86000.00 lb
		Total Volume:	59.09 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	79000.00 lb
Depth to Top Packer:	4365.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	5070.00 ft				
Interval between Packers:	705.00 ft				
Tool Length:	733.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4338.00	
Shut In Tool	5.00			4343.00	
Hydraulic tool	5.00	1113		4348.00	
Jars	5.00	01-07		4353.00	
Safety Joint	3.00	-001		4356.00	
Packer	5.00			4361.00	28.00 Bottom Of Top Packer
Packer	4.00			4365.00	
Stubb	1.00			4366.00	
Perforations	1.00			4367.00	
Change Over Sub	1.00			4368.00	
Drill Pipe	93.00			4461.00	
Change Over Sub	1.00			4462.00	
Recorder	0.00	8959	Inside	4462.00	
Recorder	0.00	8734	Outside	4462.00	
Perforations	5.00			4467.00	
Blank Off Sub	1.00			4468.00	
Packer - Shale	4.00			4472.00	
Stubb	1.00			4473.00	
Recorder	0.00	8520	Below	4473.00	
Perforations	17.00			4490.00	
Change Over Sub	1.00			4491.00	
Drill Pipe	573.00			5064.00	
Change Over Sub	1.00			5065.00	
Bullnose	5.00			5070.00	705.00 Bottom Packers & Anchor
Total Tool Length:	733.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

Raiders of the Lost Ark #1

4924 SE 84th St
New ton, KS 67114

25-22s-36w Kearny, KS

Job Ticket: 67949

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2022.07.02 @ 13:42:00

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:

16500 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
330.00	WCM 25%W, 75%M	2.434

Total Length: 330.00 ft Total Volume: 2.434 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .342 @84.5 degs = 16,500 PPM

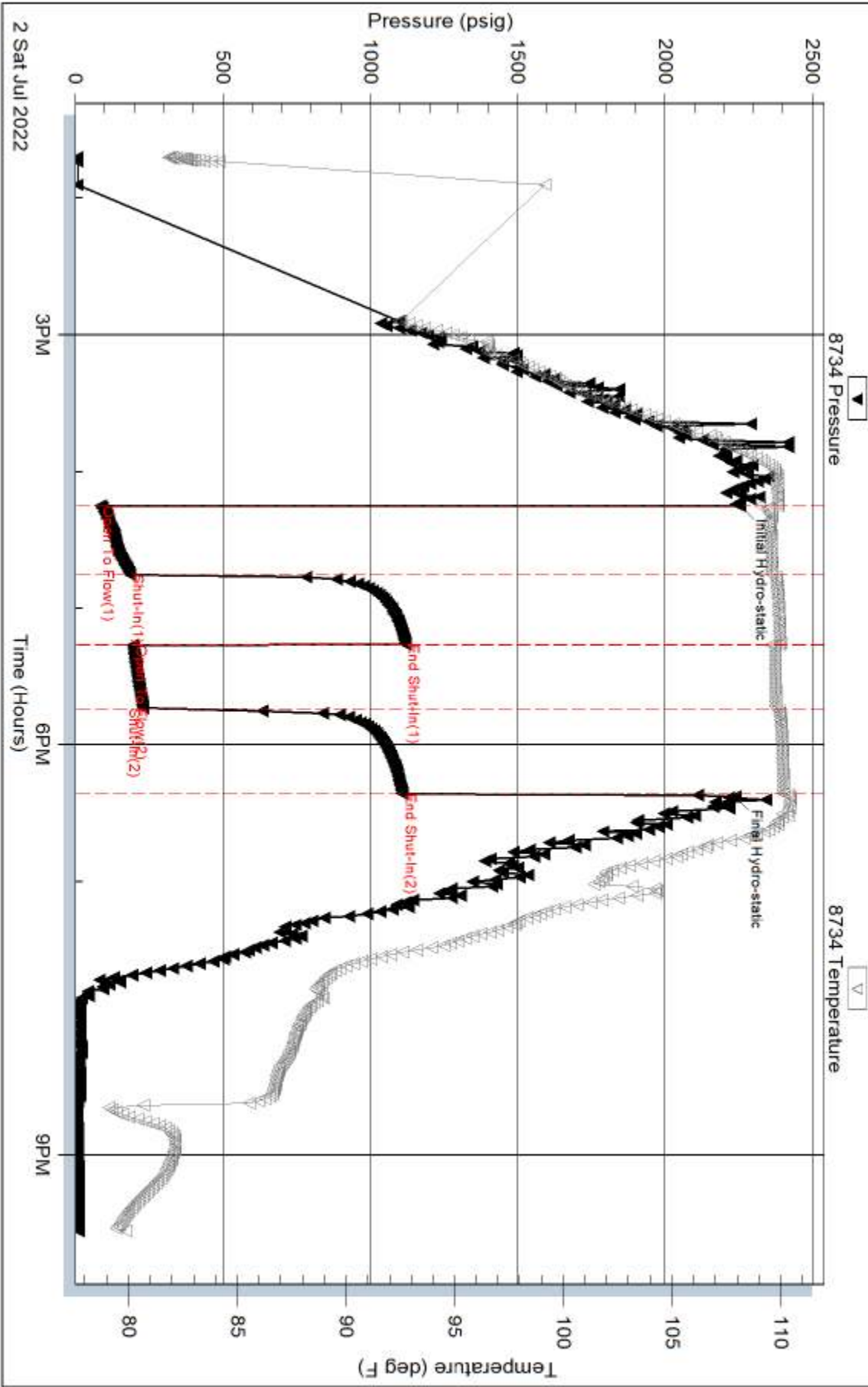
Serial #: 8734

Outside Palomino Petroleum Inc

25-22s-36w Kearny,KS

DST Test Number: 4

Pressure vs. Time



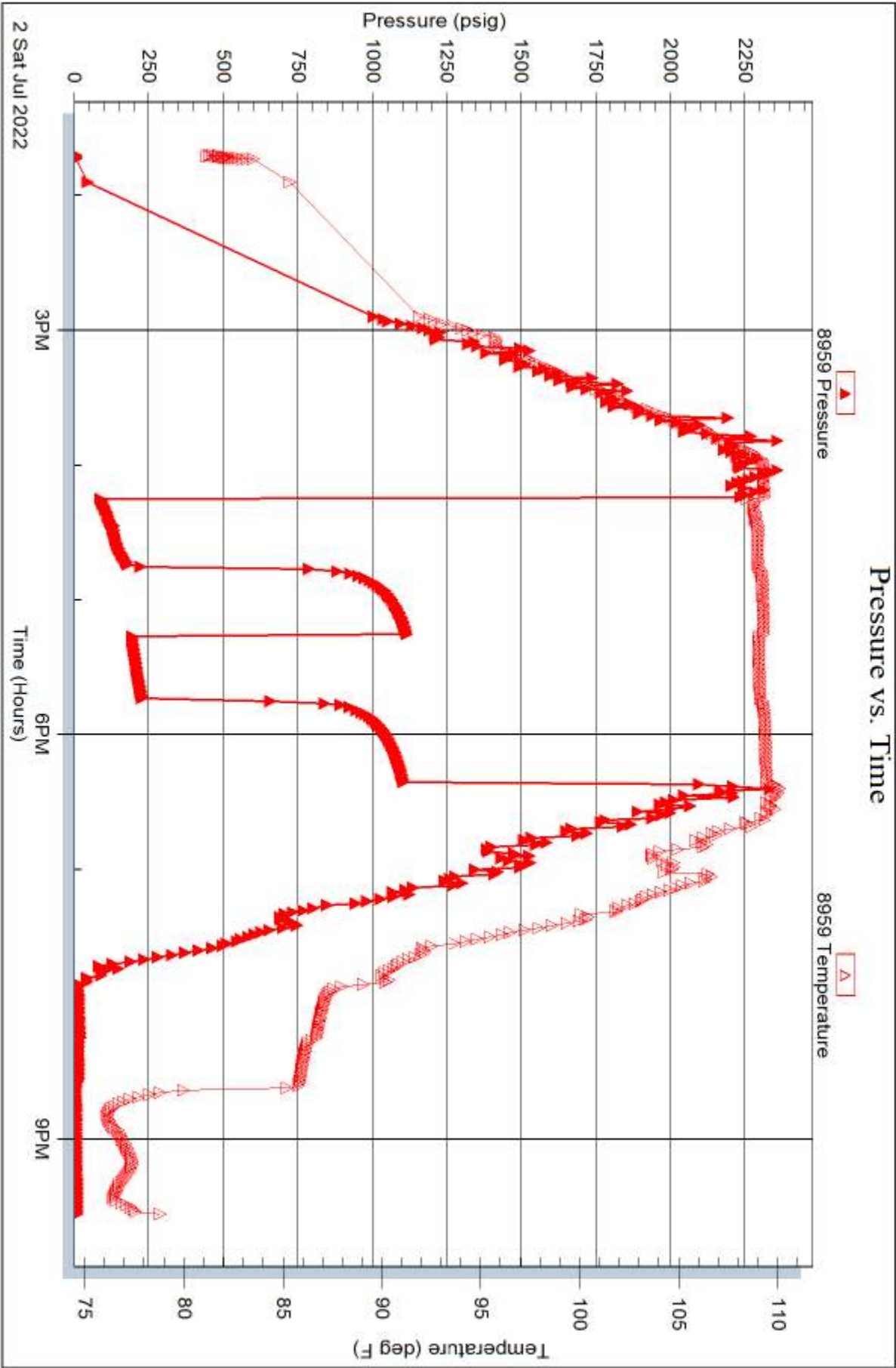
Serial #: 8959

Inside

Palomino Petroleum Inc

25-22s-36w Kearny, KS

DST Test Number: 4

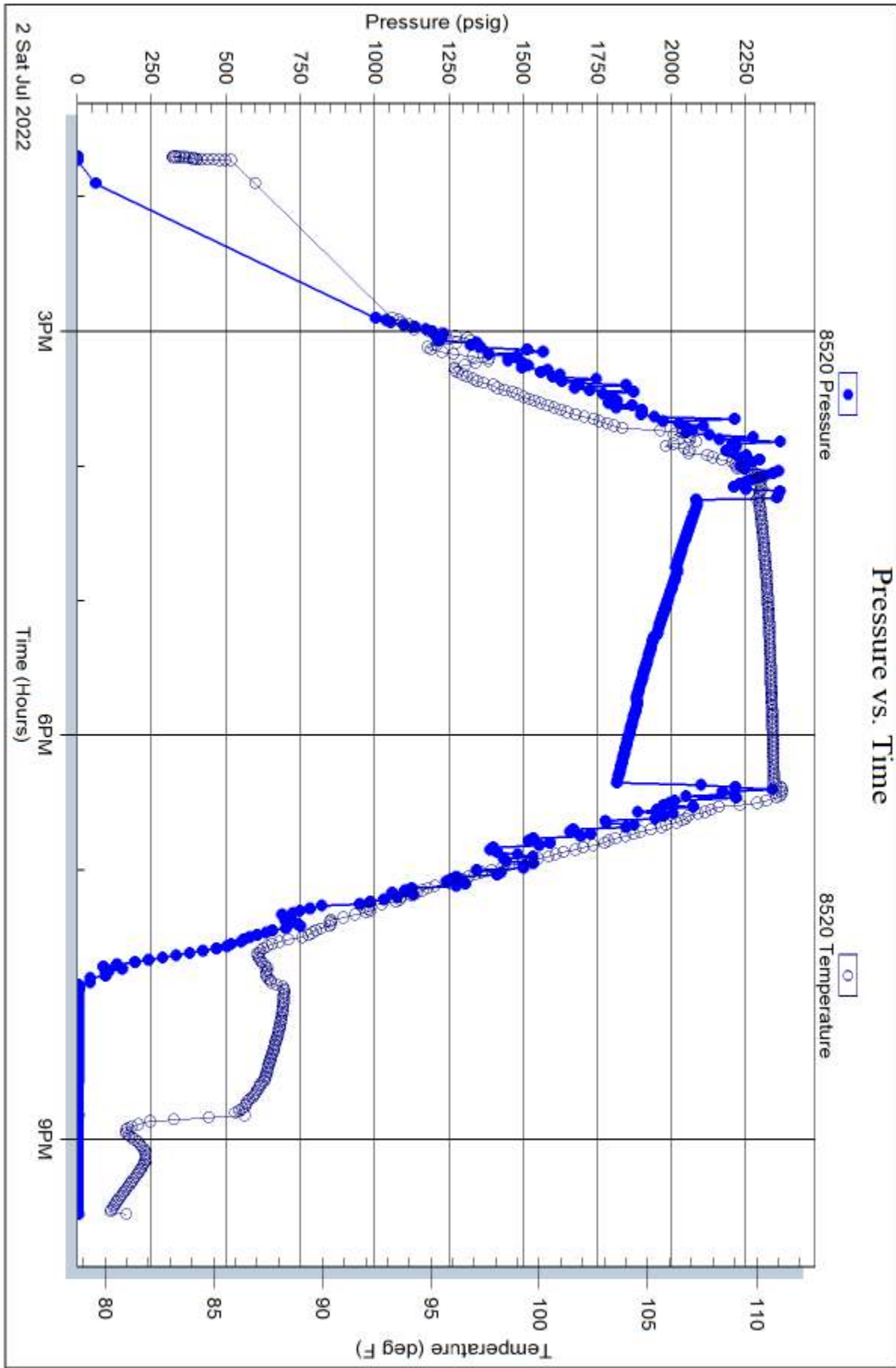


Serial #: 8520

Below (Stratton) Petroleum Inc

25-22s-36w Kearny, KS

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67945**

Well Name & No. Raiders of the Lost Ark #1 Test No. 1 Date 6-28-22
Company Palomino Petroleum Inc. Elevation 3141 KB 3129 GL
Address 4924 SE 84th ST Newton, KS 67114
Co. Rep / Geo. Andrew Stenzel Rig Murfin #21
Location: Sec. 25 Twp 22 Rge. 36 Co. Kearney State KS

Interval Tested 4461 - 4529 Zone Tested Pawnee/Myrick
Anchor Length 68' Drill Pipe Run 4223 Mud Wt. 9.2
Top Packer Depth 4456 Drill Collars Run 241 Vis 64
Bottom Packer Depth 4461 Wt. Pipe Run — WL 8.4
Total Depth 4529 Chlorides 2950 ppm System LCM 4#

Blow Description IF - Weak surface blow dead @ 5 min.

ISI - No return.

FF - No blow @ 5 min, flushed tool, No blow

FSS - No return.

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

Rec Total 5 BHT 109 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2181

(B) First Initial Flow 25

(C) First Final Flow 27

(D) Initial Shut-In 755

(E) Second Initial Flow 27

(F) Second Final Flow 31

(G) Final Shut-In 826

(H) Final Hydrostatic 2167

Initial Open 30

Initial Shut-In 30

Final Flow 30

Final Shut-In 30

☒ Test 1950

☒ Jars 300

☒ Safety Joint —

☐ Circ Sub —

☐ Hourly Standby —

☒ Mileage 78RT 147

☐ Sampler —

☐ Straddle —

☐ Shale Packer —

☐ Extra Packer —

☐ Extra Recorder —

☐ Day Standby —

☐ Accessibility —

Sub Total 2397

T-On Location 19:00

T-Started 19:50

T-Open 22:18

T-Pulled 00:18

T-Out 02:42

Comments —

—

☐ EM Tool —

☐ Ruined Shale Packer —

☐ Ruined Packer —

☐ Extra Copies —

Sub Total —

Total 2397

MP/DST Disc't —

Approved By —

Our Representative —

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67946**

Well Name & No. Raiders of the Lost Ark #1 Test No. 2 Date 6-30-82
 Company Palomino Petroleum Inc. Elevation 3141 KB 3129 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig Murfin #21
 Location: Sec. 25 Twp 22 Rge. 36 Co. Kearny State KS

Interval Tested 4573 - 4760 Zone Tested "Johnson, Atoka"
 Anchor Length 182' Drill Pipe Run 4313 Mud Wt. 9.4
 Top Packer Depth 4573 Drill Collars Run 241 Vis 64
 Bottom Packer Depth 4573 (Shale) Wt. Pipe Run — WL 8.8
 Total Depth 4760 Chlorides 5200 ppm System LCM 4#

Blow Description IF 1/2" blow dead @ 30 mins
ISI - No return.
FF - No blow
FSI - No return.

Rec <u>15</u>	Feet of <u>OCM</u>	%gas <u>10</u>	%oil	%water <u>90</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 110 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2261 ☒ Test 1950 T-On Location 04:30
 (B) First Initial Flow 32 ☒ Jars 300 T-Started 05:24
 (C) First Final Flow 36 ☒ Safety Joint — T-Open 08:13
 (D) Initial Shut-In 465 ☐ Circ Sub — T-Pulled 10:13
 (E) Second Initial Flow 38 ☐ Hourly Standby — T-Out 12:38
 (F) Second Final Flow 40 ☒ Mileage 98 RT 147 Comments —
 (G) Final Shut-In 121 ☐ Sampler —
 (H) Final Hydrostatic 2333 ☐ Straddle — ☒ EM Tool —

Initial Open 30 ☐ Shale Packer 250 ☐ Ruined Shale Packer —
 Initial Shut-In 30 ☐ Extra Packer — ☐ Ruined Packer —
 Final Flow 30 ☐ Extra Recorder — ☐ Extra Copies —
 Final Shut-In 30 ☒ Day Standby 1d 1.75h Sub Total 58.33
☐ Accessibility — Total 2705.33
 Sub Total 2647 MP/DST Disc't —

Approved By — Our Representative —

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.



**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67947**

Well Name & No. Raiders of the Lost Ark #1 Test No. 3 Date 7-1-02
Company Palomino Petroleum, Inc. Elevation 3141 KB 3129 GL
Address 4924 SE 84th St Newton, KS 67114
Co. Rep / Geo. Andrew Stenzel Rig Murfin #21
Location: Sec. 25 Twp 28 Rge. 36 Co. Kearny State KS

Interval Tested 4745 - 4875 Zone Tested Morrow
Anchor Length 130' Drill Pipe Run 4507 Mud Wt. 9.2
Top Packer Depth 4740 Drill Collars Run 241 Vls 50
Bottom Packer Depth 4745 (Shale) Wt. Pipe Run — WL 10.4
Total Depth 4875 Chlorides 7400 ppm System LCM 4#

Blow Description IF - Blow built to 3/4"

FSI - No return

FF - No blow

FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud w/oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 111 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2324
(B) First Initial Flow 35
(C) First Final Flow 44
(D) Initial Shut-In 334
(E) Second Initial Flow 46
(F) Second Final Flow 50
(G) Final Shut-In 260
(H) Final Hydrostatic 2319

☒ Test 1950
☒ Jars 300
☒ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 98RT 147
☐ Sampler
☐ Straddle
☒ Shale Packer 250
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total 2647

T-On Location 01:45
T-Started 02:54
T-Open 06:35
T-Pulled 08:35
T-Out 11:03
Comments
☒ EM Tool
☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
Sub Total 0
Total 2647
MP/DST Disc't

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

Approved By _____

Our Representative Mark Palmer

Triobite 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67949

Well Name & No. Raiders of the Lost Ark #1 Test No. 4 Date 7-2-22
 Company Palomine Petroleum, Inc. Elevation 3141 KB 3129 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig Murfin #21
 Location: Sec. 25 Twp 22 Rge. 36 Co. Kearny State KS

Interval Tested 4365 - 4470 Zone Tested Marmaton
 Anchor Length 105' 600' T. pipe Drill Pipe Run 4128 Mud Wt. 9.2
 Top Packer Depth 4360 - 4365 Drill Collars Run 241 Vis 52
 Bottom Packer Depth 4470 Wt. Pipe Run — WL 9.6
 Total Depth 5070 Chlorides 6500 ppm System LCM 27#

Blow Description IF - Blow built to 8"
ISF - No return
FF - Blow built to 6 1/2"
FSS - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>330</u>	<u>WCM</u>			<u>25</u>	<u>75</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 330 BHT 110 Gravity — API RW 342 @ 84.5 °F Chlorides 16500 ppm

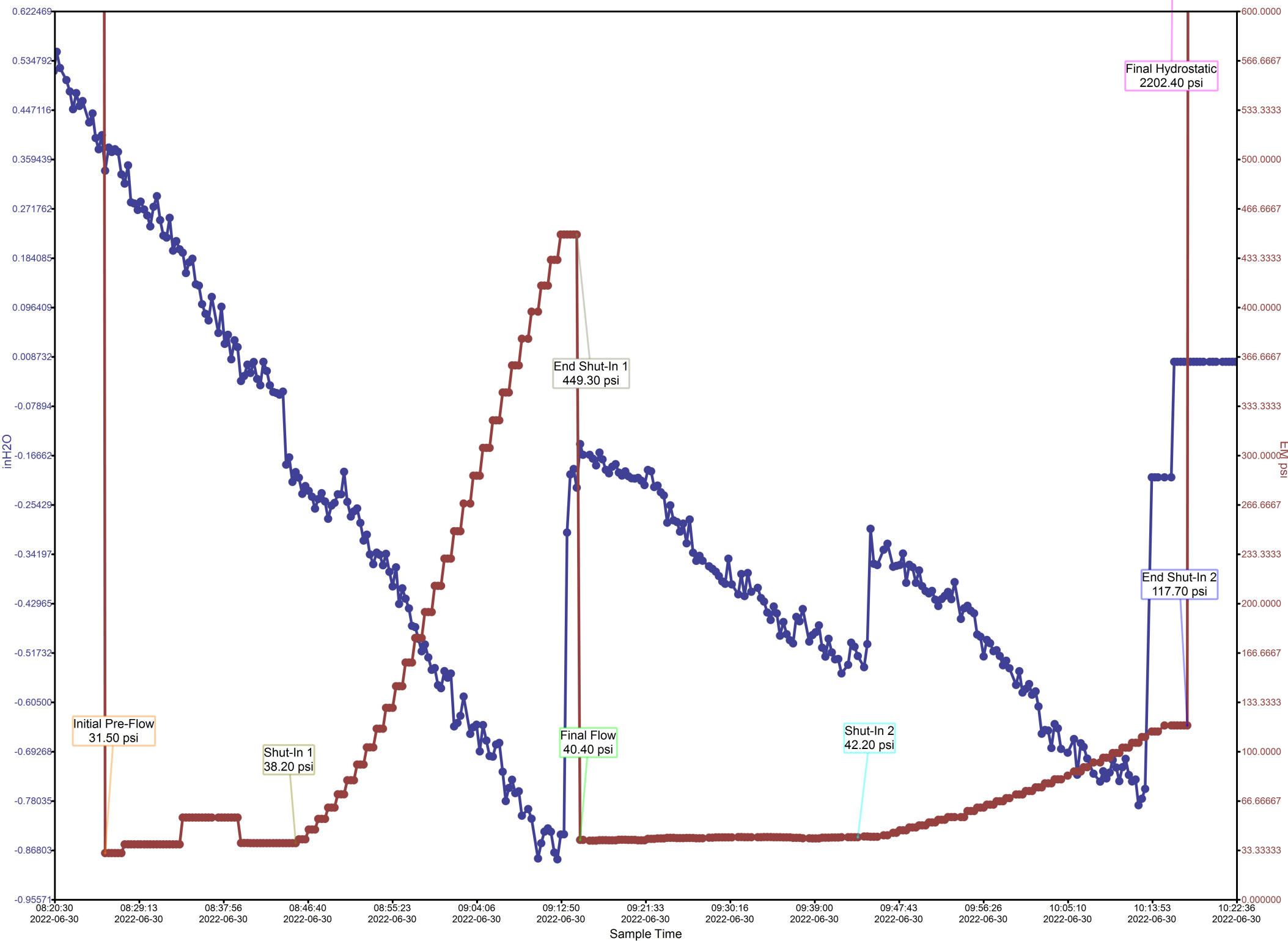
(A) Initial Hydrostatic <u>2254</u>	☒ Test <u>1950</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>86</u>	☒ Jars <u>300</u>	T-Started <u>13:42</u>
(C) First Final Flow <u>186</u>	☒ Safety Joint	T-Open <u>16:15</u>
(D) Initial Shut-In <u>1119</u>	☐ Circ Sub	T-Pulled <u>18:15</u>
(E) Second Initial Flow <u>195</u>	☐ Hourly Standby	T-Out <u>21:40</u>
(F) Second Final Flow <u>231</u>	☒ Mileage <u>98RT</u> <u>147</u>	Comments <u>Tools loaded @</u>
(G) Final Shut-In <u>1108</u>	☐ Sampler	<u>22:15</u>
(H) Final Hydrostatic <u>2238</u>	☒ Straddle <u>600</u>	

Initial Open <u>30</u>	☒ Shale Packer <u>250</u>	☒ EM Tool
Initial Shut-In <u>30</u>	☐ Extra Packer	☒ Ruined Shale Packer <u>365</u>
Final Flow <u>30</u>	☐ Extra Recorder	☒ Ruined Packer <u>335</u>
Final Shut-In <u>30</u>	☒ Day Standby <u>1d 1h</u>	☐ Extra Copies
	☐ Accessibility	Sub Total <u>733.33</u>
	Sub Total <u>3247</u>	Total <u>3980.33</u>
		MP/DST Disc't

Approved By _____ Our Representative [Signature]

Triobite 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.

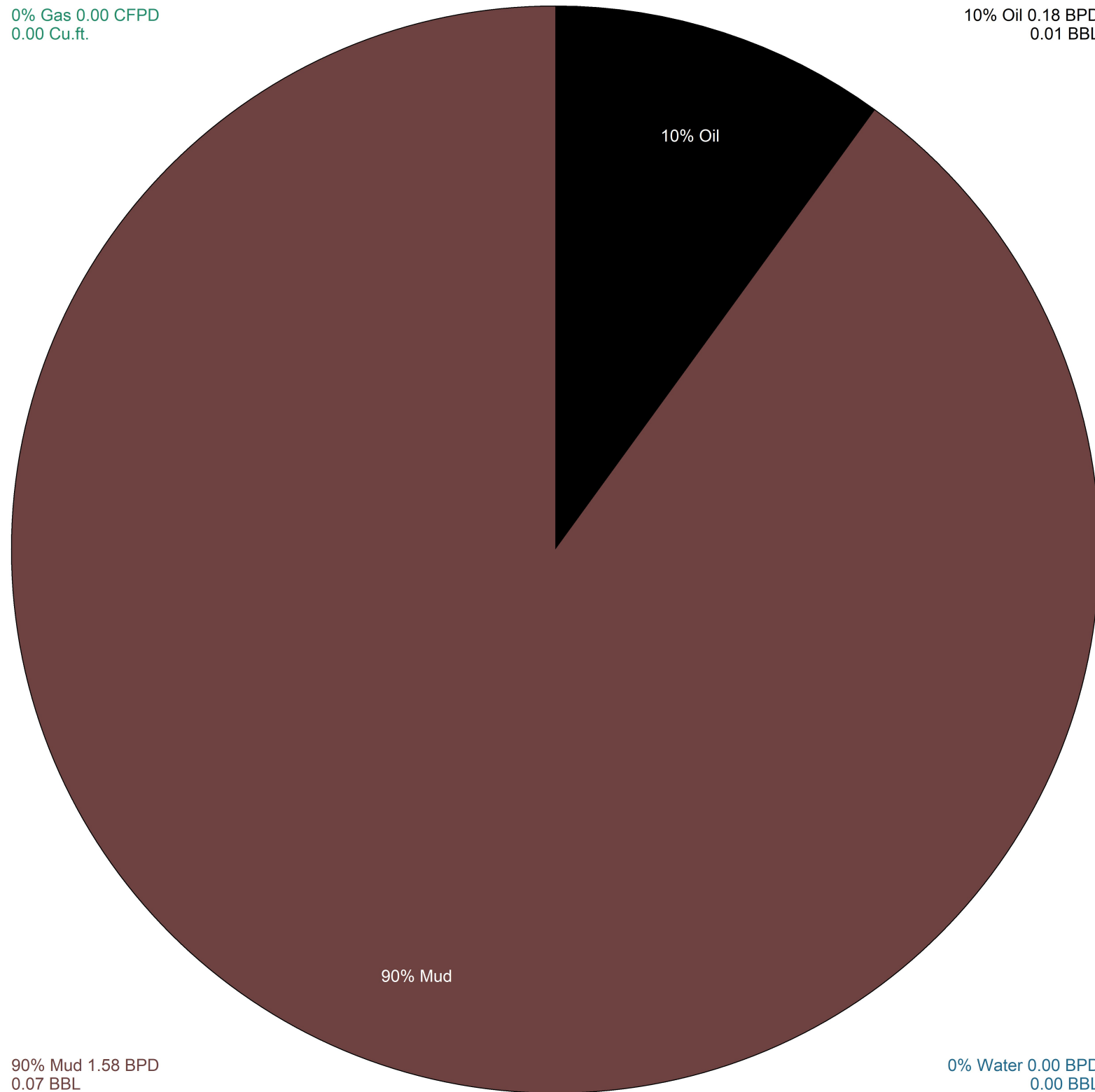
Palomino Petroleum - Raiders of the Lost Ark 1 - DST #2



Calculated Recovery Analysis - Palomino Petroleum - Raiders of the Lost Ark 1 - DST #2

0% Gas 0.00 CFPD
0.00 Cu.ft.

10% Oil 0.18 BPD
0.01 BBL



90% Mud 1.58 BPD
0.07 BBL

0% Water 0.00 BPD
0.00 BBL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84thST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67946

DST#: 2

Test Start: 2022.06.30 @ 05:24:00

GENERAL INFORMATION:

Formation: **" Johnson, Atoka"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:30

Time Test Ended: 12:38:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4578.00 ft (KB) To 4760.00 ft (KB) (TVD)

Total Depth: 4760.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 40.06 psig @ 4579.00 ft (KB)

Start Date: 2022.06.30

End Date:

2022.06.30

Start Time: 05:24:01

End Time:

12:38:40

Capacity: 8000.00 psig

Last Calib.: 2022.06.30

Time On Btm: 2022.06.30 @ 08:13:10

Time Off Btm: 2022.06.30 @ 10:16:00

TEST COMMENT: 30-IF-1/2" blow dead @ 30 mins

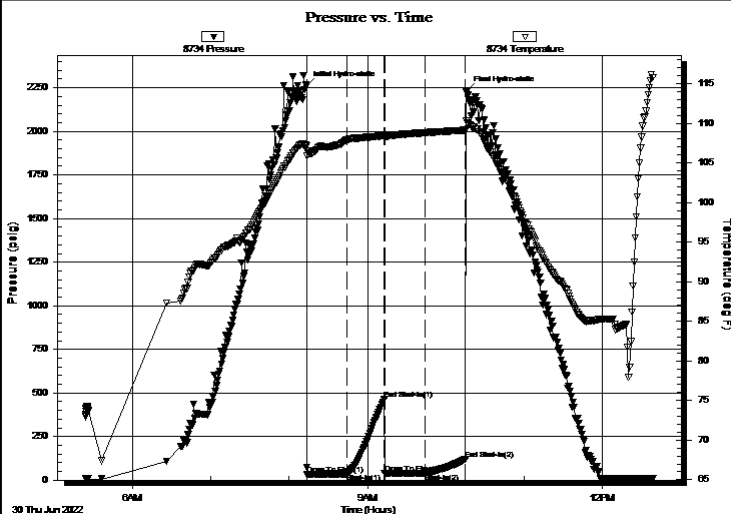
30-ISI-No return

30-FF-No blow

30-FSI-No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.16	107.17	Initial Hydro-static
1	32.28	106.56	Open To Flow (1)
31	36.40	107.90	Shut-In(1)
60	465.45	108.43	End Shut-In(1)
60	38.22	108.17	Open To Flow (2)
91	40.06	108.81	Shut-In(2)
122	121.00	109.14	End Shut-In(2)
123	2233.41	110.09	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 10%O, 90%M	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84thST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67946

DST#: 2

Test Start: 2022.06.30 @ 05:24:00

GENERAL INFORMATION:

Formation: **" Johnson, Atoka"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:30

Time Test Ended: 12:38:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4578.00 ft (KB) To 4760.00 ft (KB) (TVD)

Total Depth: 4760.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4579.00 ft (KB)

Start Date: 2022.06.30

End Date:

2022.06.30

Start Time: 05:24:01

End Time:

12:38:30

Capacity: 8000.00 psig

Last Calib.: 2022.06.30

Time On Btm:

Time Off Btm:

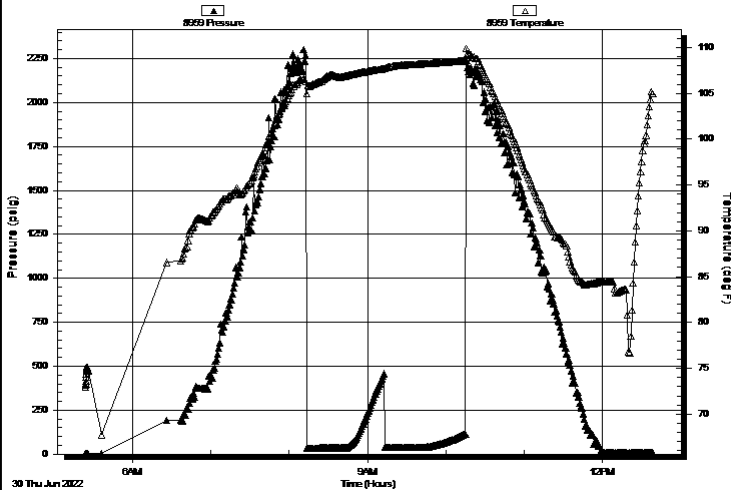
TEST COMMENT: 30-IF-1/2" blow dead @ 30 mins

30-ISI-No return

30-FF-No blow

30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
15.00	OCM 10%O, 90%M	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum INC

25-22-36 Kearny, KS

4924 SE 84thST
New ton, KS 67114

RaidersOfTheLost Ark

Job Ticket: 67946

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2022.06.30 @ 05:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 10%O, 90%M	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 #: 8734

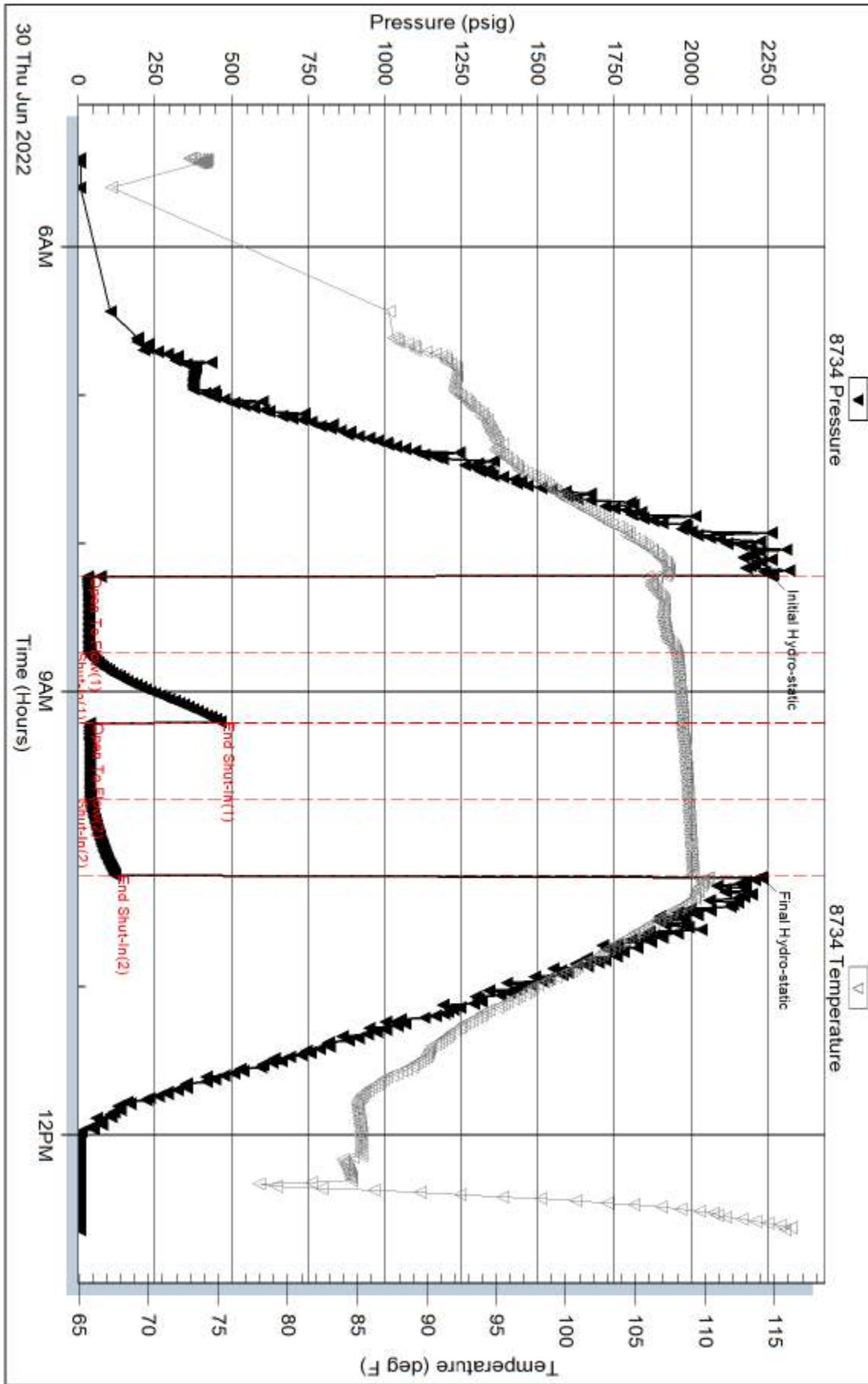
Outside

Palomino Petroleum INC

RaidersOfTheLost Ark

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 67946

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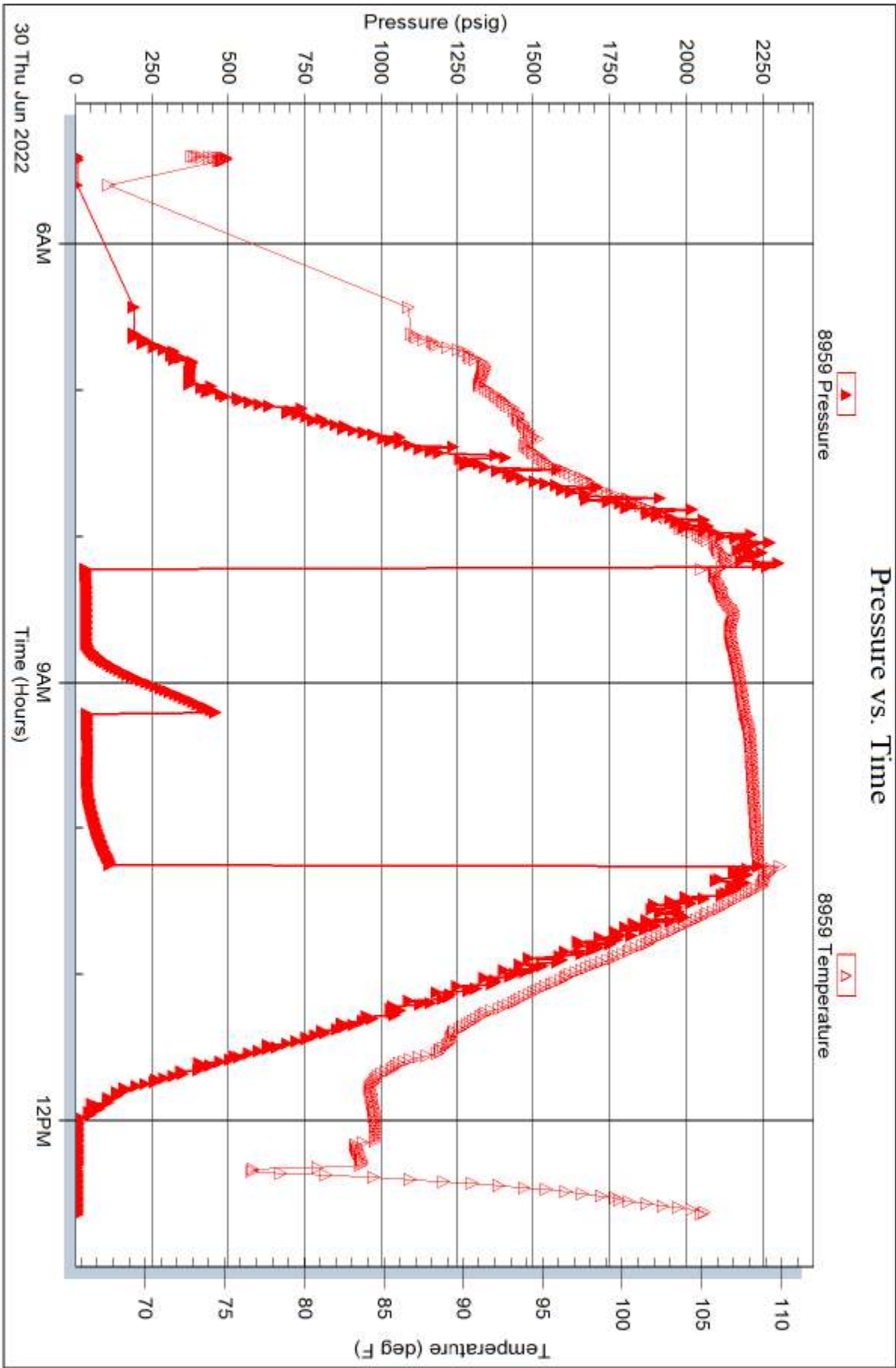
Serial #: 8959

Inside

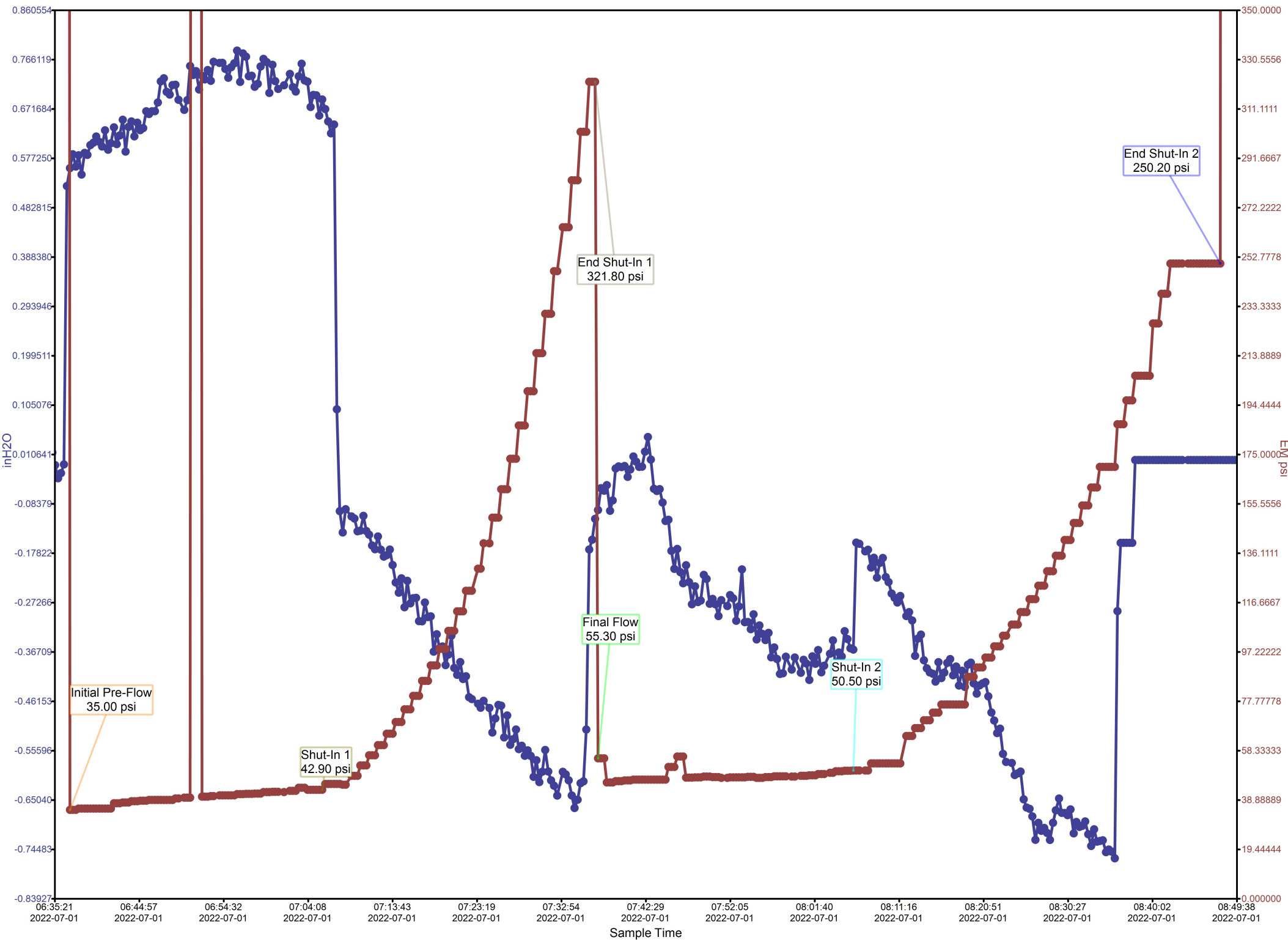
Palomino Petroleum INC

RaidersOfTheLost Ark

DST Test Number: 2



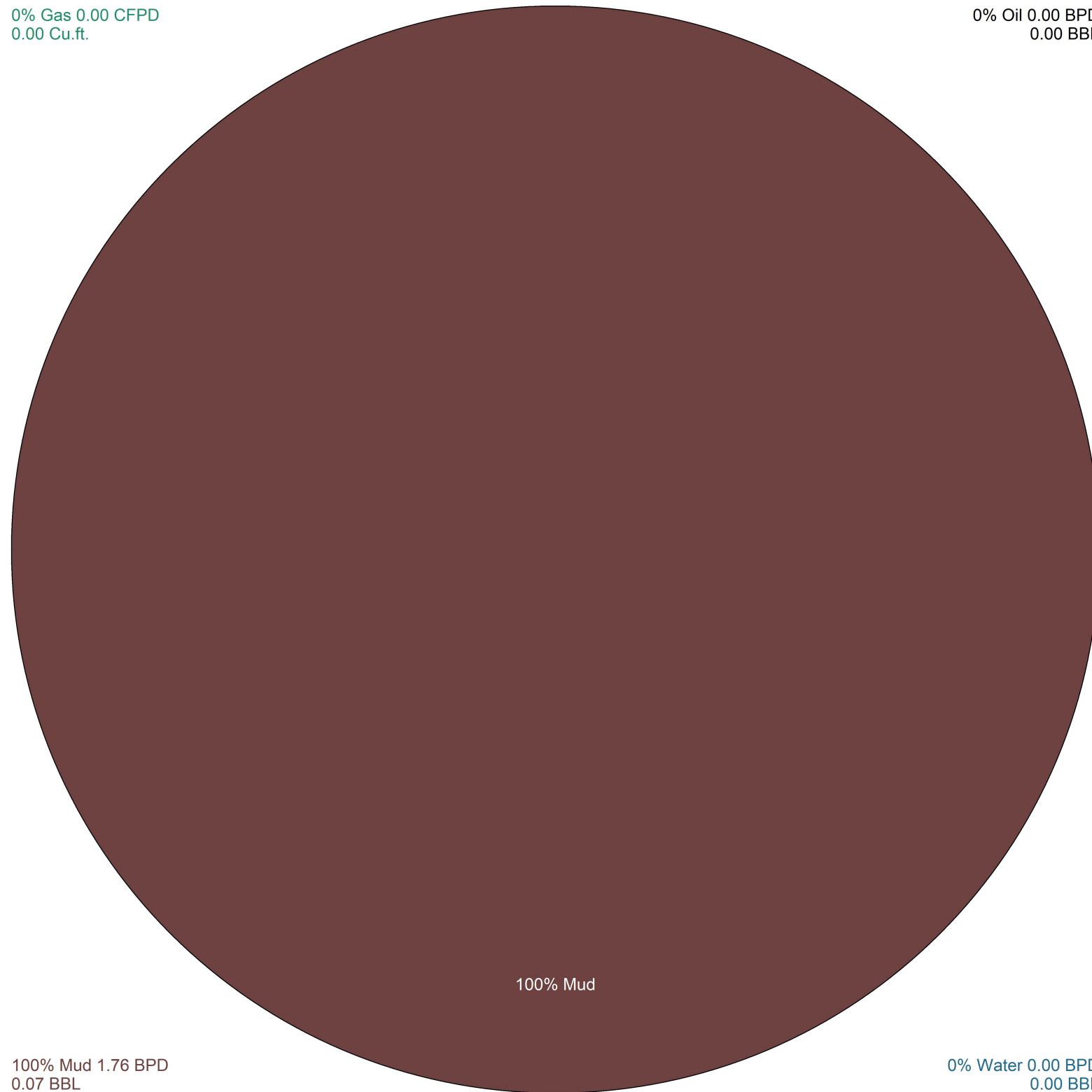
Palomino Petroleum - Raiders of the Lost Ark 1 - DST #3



Calculated Recovery Analysis - Palomino Petroleum - Raiders of the Lost Ark 1 - DST #3

0% Gas 0.00 CFPD
0.00 Cu.ft.

0% Oil 0.00 BPD
0.00 BBL



100% Mud 1.76 BPD
0.07 BBL

0% Water 0.00 BPD
0.00 BBL



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84thST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67949

DST#: 3

Test Start: 2022.07.01 @ 02:54:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:40

Time Test Ended: 11:03:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4745.00 ft (KB) To 4875.00 ft (KB) (TVD)

Total Depth: 4875.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 49.82 psig @ 4746.00 ft (KB)

Start Date: 2022.07.01

End Date:

2022.07.01

Start Time: 02:54:01

End Time:

11:03:20

Capacity: 8000.00 psig

Last Calib.: 2022.07.01

Time On Btm: 2022.07.01 @ 06:35:20

Time Off Btm: 2022.07.01 @ 08:43:30

TEST COMMENT: 30-IF-Blow built to 3/4"

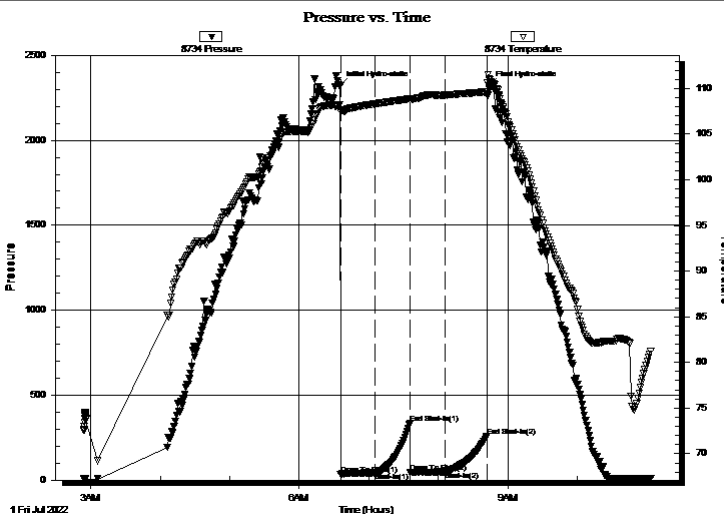
30-ISI-No return

30-FF-No blow

30-FSI-No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2323.57	108.24	Initial Hydro-static
1	35.26	107.49	Open To Flow (1)
30	43.64	108.29	Shut-In(1)
61	333.50	108.87	End Shut-In(1)
61	46.43	108.79	Open To Flow (2)
91	49.82	109.26	Shut-In(2)
127	260.19	109.63	End Shut-In(2)
129	2319.39	111.10	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% Mud w /Oil spots	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84th ST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67949

DST#: 3

Test Start: 2022.07.01 @ 02:54:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:40

Time Test Ended: 11:03:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4745.00 ft (KB) To 4875.00 ft (KB) (TVD)

Total Depth: 4875.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4746.00 ft (KB)

Start Date: 2022.07.01

End Date:

2022.07.01

Start Time: 02:54:01

End Time:

11:03:20

Capacity: 8000.00 psig

Last Calib.: 2022.07.01

Time On Btm:

Time Off Btm:

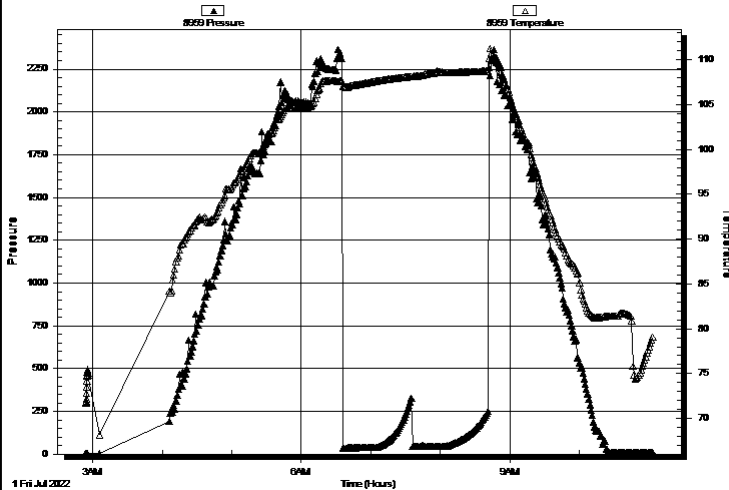
TEST COMMENT: 30-IF-Blow built to 3/4"

30-ISI-No return

30-FF-No blow

30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
15.00	100% Mud w /Oil spots	0.07

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum INC

25-22-36 Kearny, KS

4924 SE 84thST
New ton, KS 67114

RaidersOfTheLost Ark

Job Ticket: 67949

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2022.07.01 @ 02:54:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 10.39 in³

Resistivity: ohm.m

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100% Mud w /Oil spots	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:

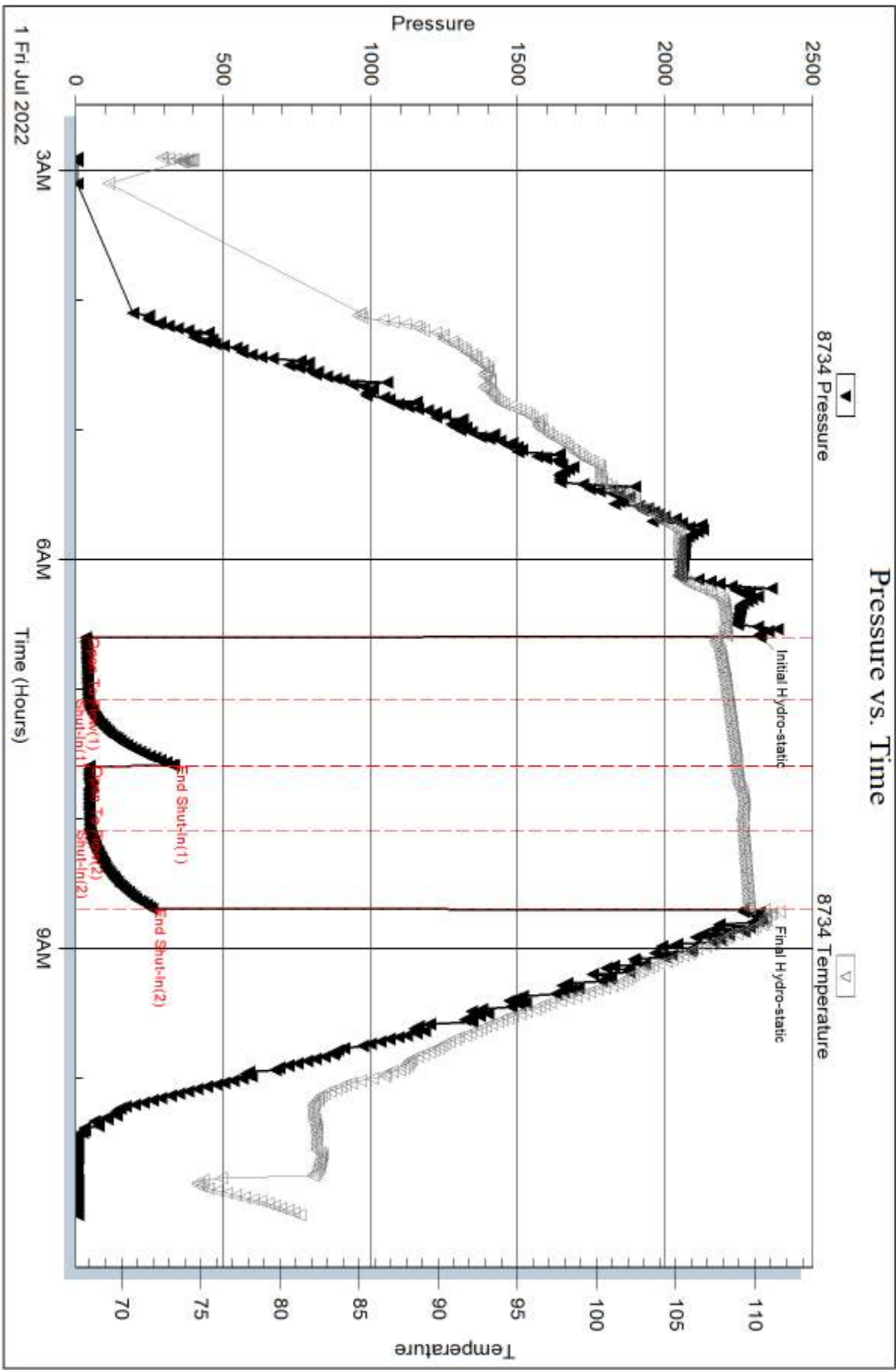
Recovery Comments:

Serial #: 8734

Outside Palomino Petroleum INC

RaidersOfTheLost Ark

DST Test Number: 3



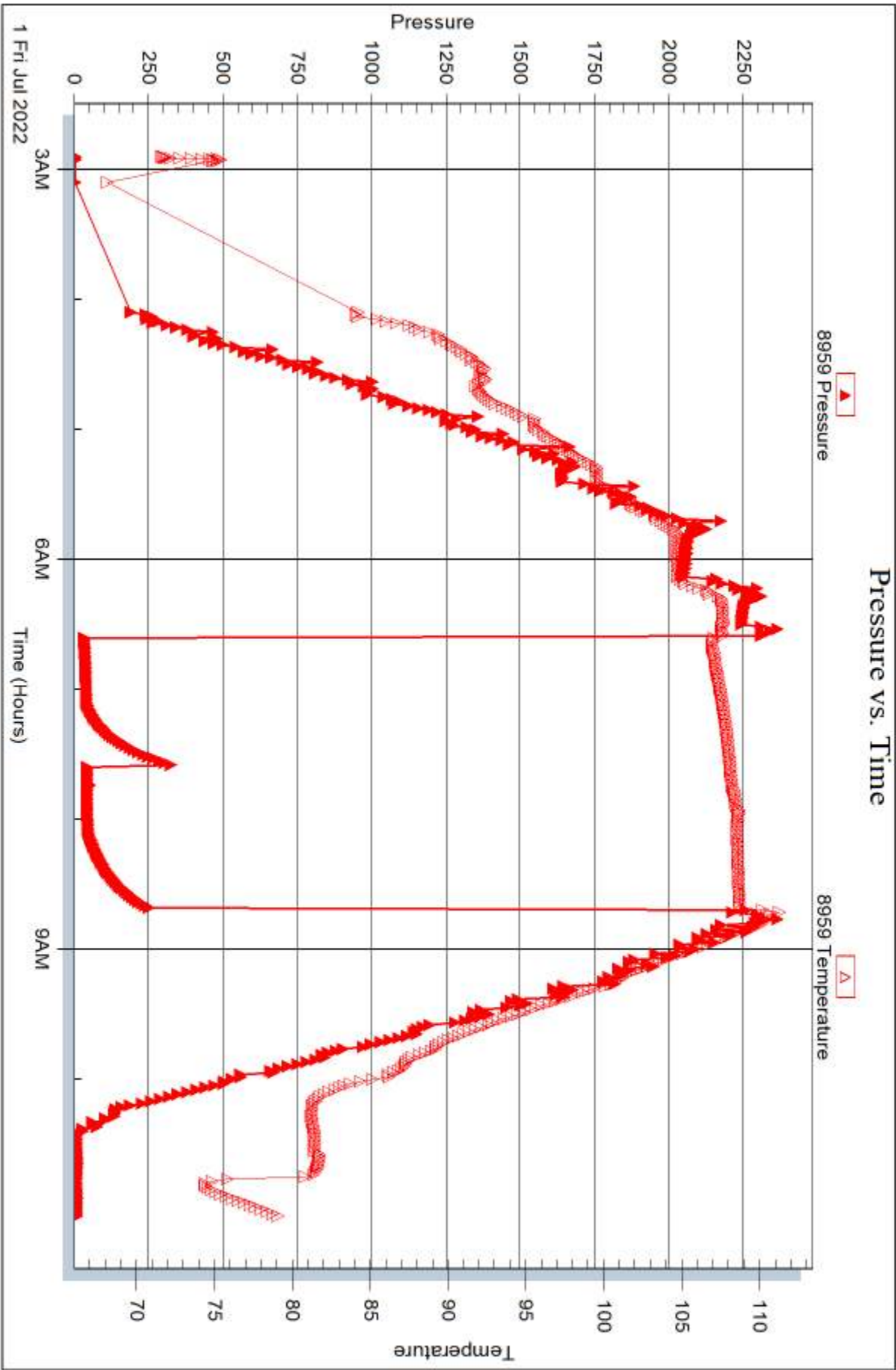
Serial #: 8959

Inside

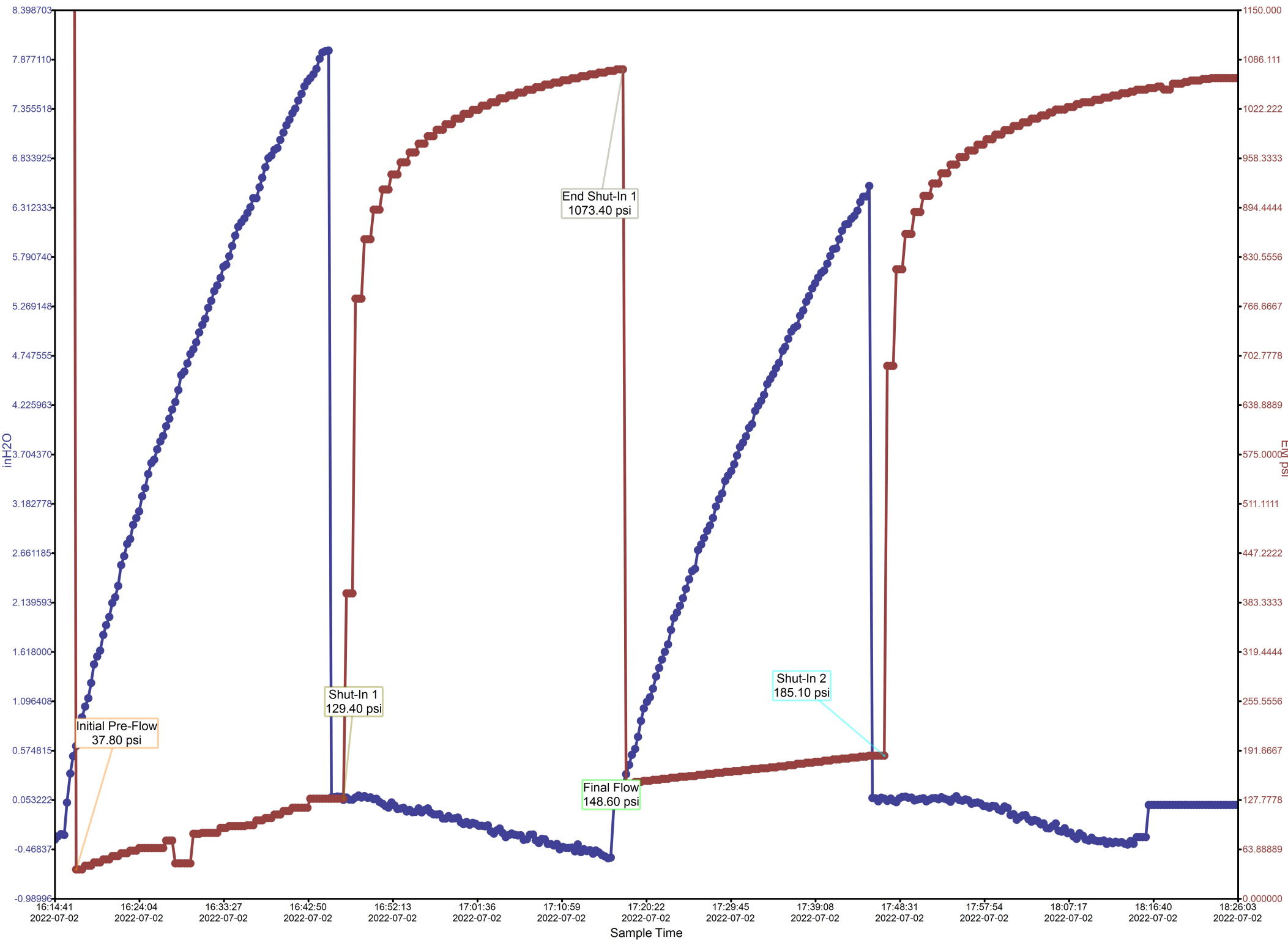
Palomino Petroleum INC

RaidersOfTheLost Ark

DST Test Number: 3



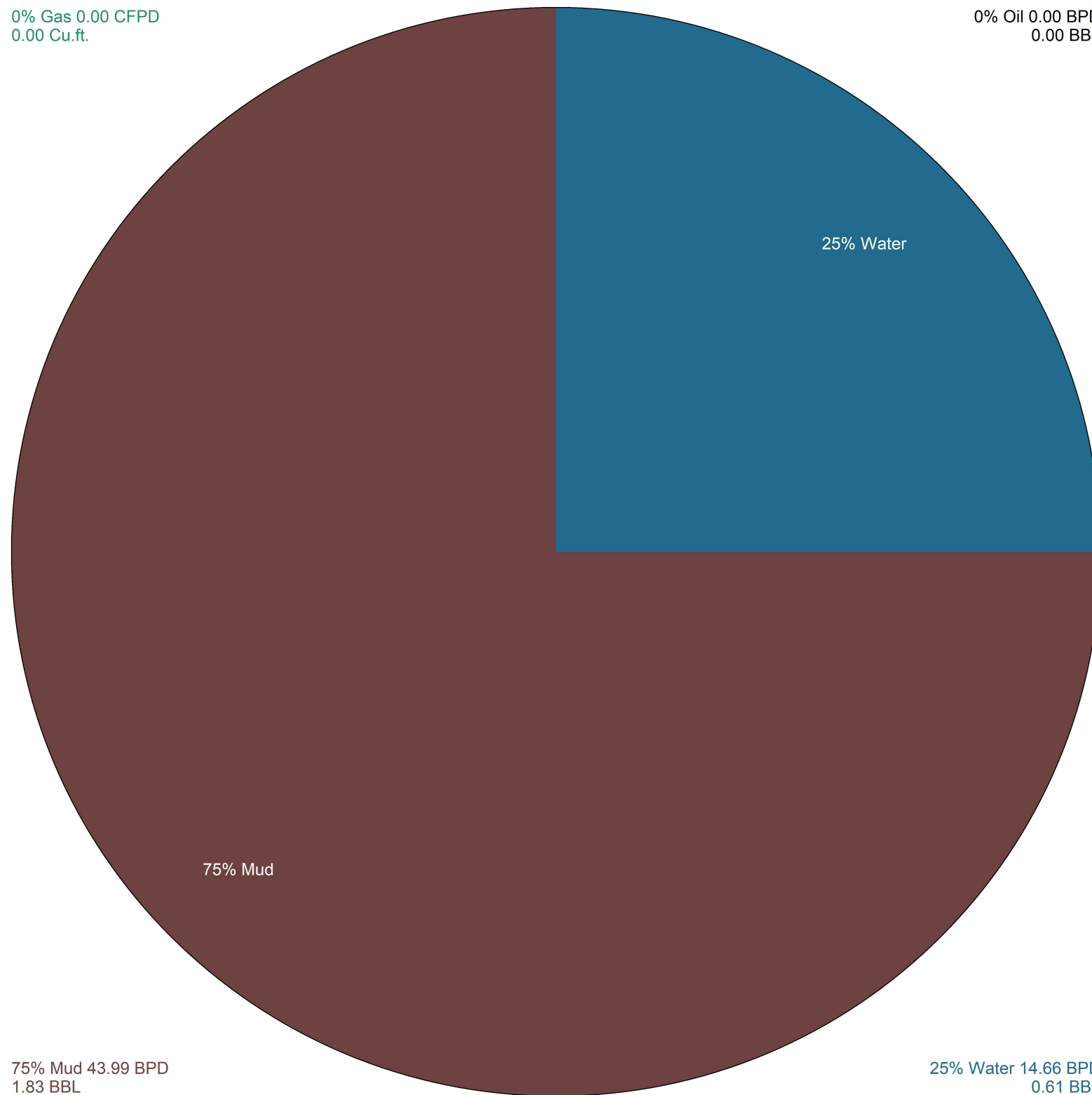
Palomino Petroleum - Raiders of the Lost Ark 1 - DST #4



Calculated Recovery Analysis - Palomino Petroleum - Raiders of the Lost Ark 1 - DST #4

0% Gas 0.00 CFPD
0.00 Cu.ft.

0% Oil 0.00 BPD
0.00 BBL



25% Water

75% Mud

75% Mud 43.99 BPD
1.83 BBL

25% Water 14.66 BPD
0.61 BBL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84thST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67949

DST#: 4

Test Start: 2022.07.02 @ 13:42:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:15:00

Time Test Ended: 21:33:00

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4365.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 5070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 230.53 psig @ 4462.00 ft (KB)

Start Date: 2022.07.02

End Date:

2022.07.02

Start Time: 13:42:01

End Time:

21:33:00

Capacity: 8000.00 psig

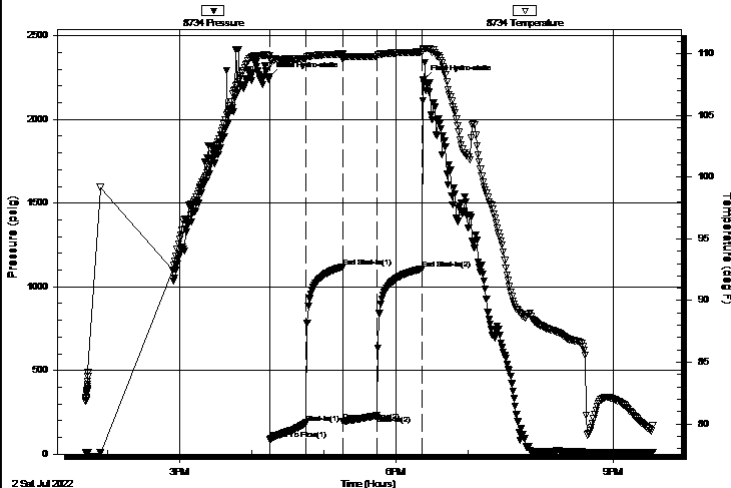
Last Calib.: 2022.07.02

Time On Btm: 2022.07.02 @ 16:14:50

Time Off Btm: 2022.07.02 @ 18:22:39

TEST COMMENT: 30-IF-Blow built to 8"
30-ISI-No return
30-FF-Blow built to 6 1/2"
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.36	109.87	Initial Hydro-static
1	85.53	109.05	Open To Flow (1)
31	186.31	109.61	Shut-In(1)
61	1119.48	109.97	End Shut-In(1)
61	195.40	109.52	Open To Flow (2)
90	230.53	109.79	Shut-In(2)
127	1108.14	110.14	End Shut-In(2)
128	2238.39	110.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	WCM 25%W, 75%M	2.43

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84thST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67949

DST#: 4

Test Start: 2022.07.02 @ 13:42:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:15:00

Time Test Ended: 21:33:00

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4365.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 5070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4462.00 ft (KB)

Start Date: 2022.07.02

End Date:

2022.07.02

Start Time: 13:42:01

End Time:

21:33:00

Capacity: 8000.00 psig

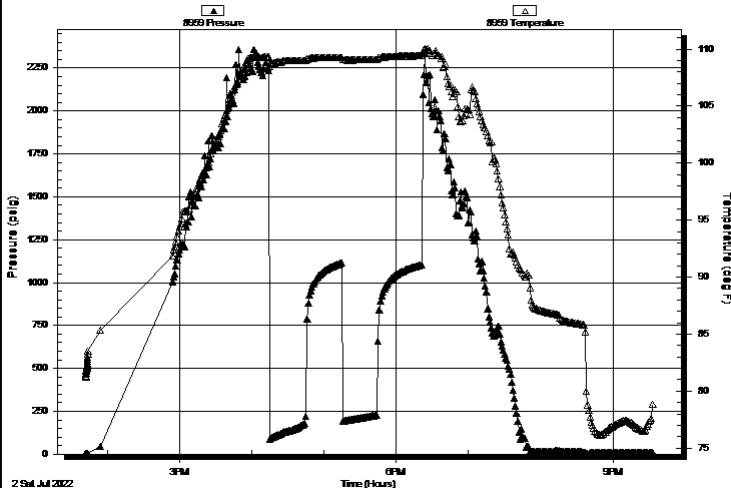
Last Calib.: 2022.07.02

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Blow built to 8"
30-ISI-No return
30-FF-Blow built to 6 1/2"
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
330.00	WCM 25%W, 75%M	2.43

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum INC

4924 SE 84thST
New ton, KS 67114

ATTN: Andrew Stenzel

25-22-36 Kearny, KS

RaidersOfTheLost Ark

Job Ticket: 67949

DST#: 4

Test Start: 2022.07.02 @ 13:42:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:15:00

Time Test Ended: 21:33:00

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4365.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 5070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3141.00 ft (KB)

3129.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8520 Below (Straddle)

Press@RunDepth: psig @ 4473.00 ft (KB)

Start Date: 2022.07.02

End Date:

2022.07.02

Start Time: 13:42:01

End Time:

21:33:00

Capacity: 8000.00 psig

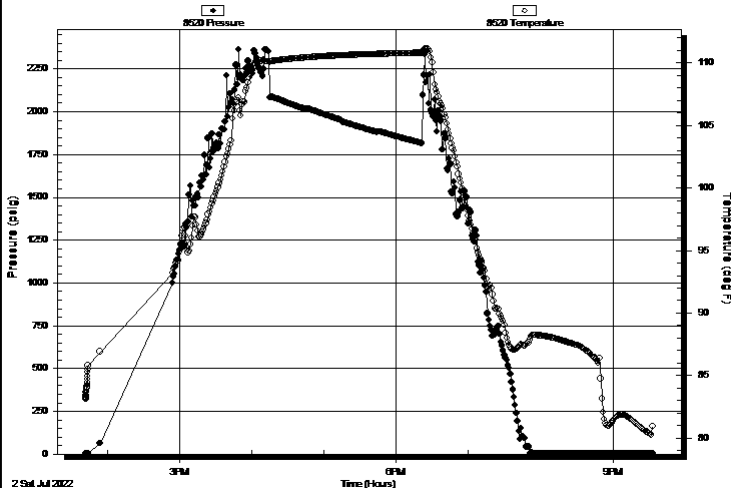
Last Calib.: 2022.07.02

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Blow built to 8"
30-ISI-No return
30-FF-Blow built to 6 1/2"
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
330.00	WCM 25%W, 75%M	2.43

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum INC

25-22-36 Kearny, KS

4924 SE 84thST
New ton, KS 67114

RaidersOfTheLost Ark

Job Ticket: 67949

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2022.07.02 @ 13:42:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.59 in³

Resistivity: ohm.m

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity: 16500 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
330.00	WCM 25%W, 75%M	2.434

Total Length: 330.00 ft Total Volume: 2.434 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

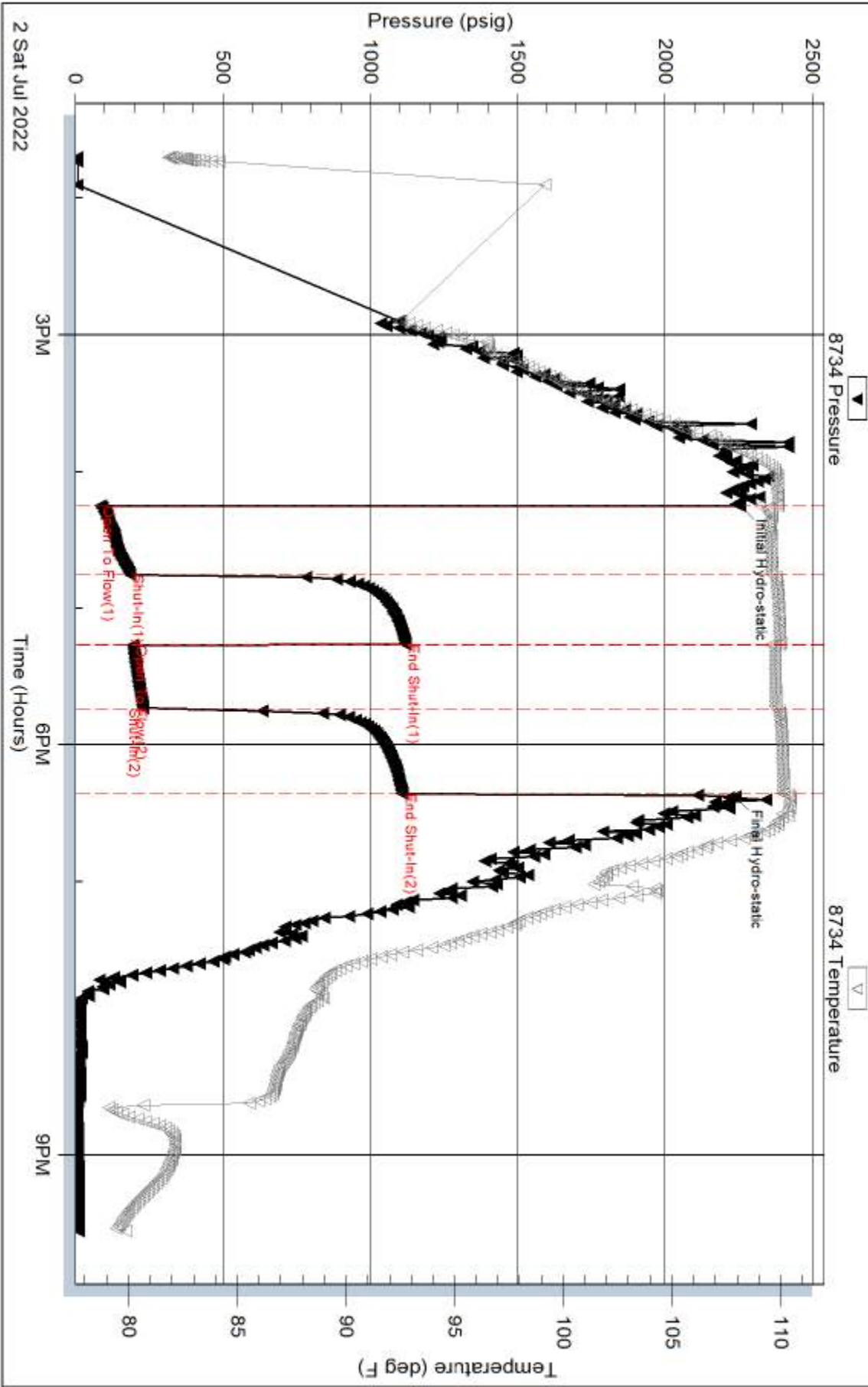
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .342 @84.5 degs = 16,500 PPM

Pressure vs. Time



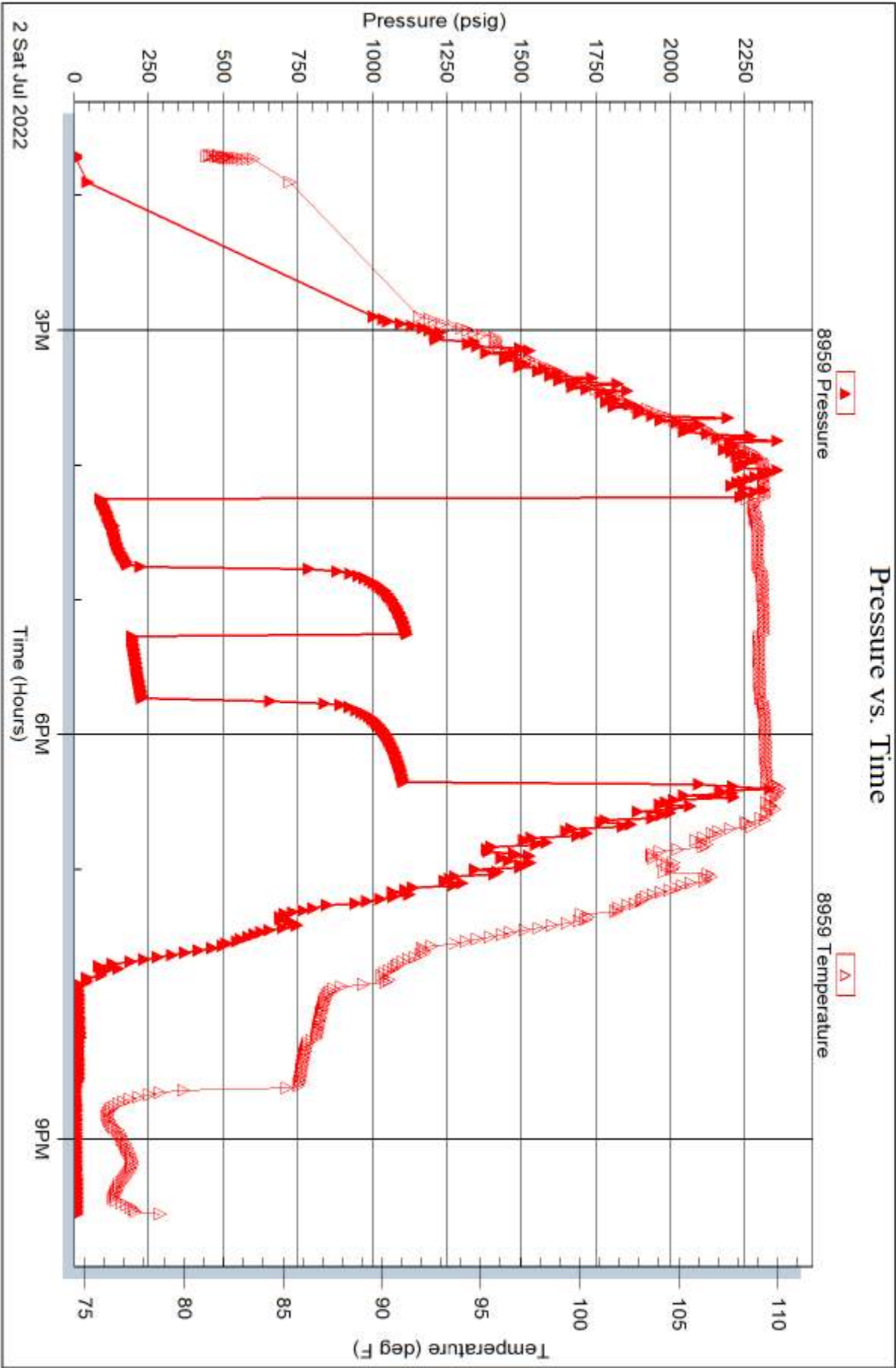
Serial #: 8959

Inside

Palomino Petroleum INC

RaidersOfTheLost Ark

DST Test Number: 4



Serial #: 8520

Below (Straterra) Petroleum INC

RaidersOfTheLost Ark

DST Test Number: 4

