

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 PALOMINO PETROLEUM INC
 4924 SE 84TH ST
 NEWTON, KS 67114-8827

Invoice Date: 2/21/2022
 Invoice #: 0358939
 Lease Name: Stairway to Heaven
 Well #: 1 (New)
 County: Hodgeman, Ks
 Job Number: WP2444
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	18.400	3,680.00
Light Eq Mileage	105.000	1.840	193.20
Heavy Eq Mileage	105.000	3.680	386.40
Ton Mileage	987.000	1.380	1,362.06
Depth Charge 0'-500'	1.000	920.000	920.00
Cement Blending & Mixing	200.000	1.288	257.60

Total 6,799.26

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!

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT

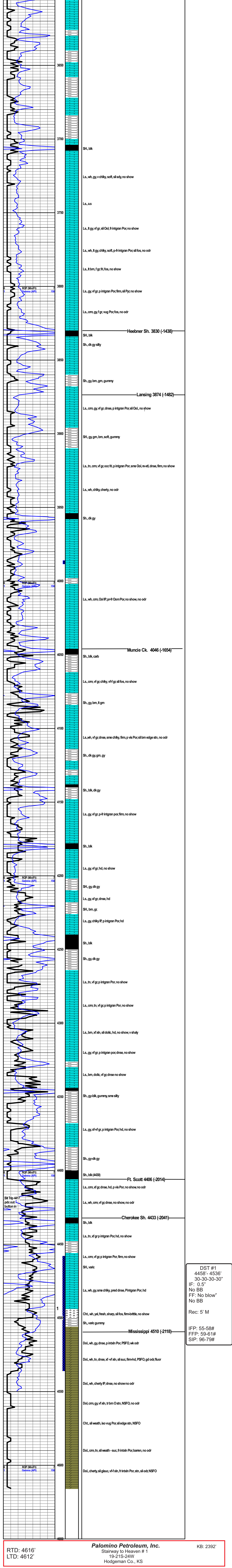
DRILLING TIME AND SAMPLE LOG

COMPANY Palomino Petroleum, Inc.		ELEVATIONS	
LEASE <u>Stairway to Heaven #1</u>	FIELD <u>Wildcat</u>	KB <u>2392'</u>	DF _____
LOCATION <u>1787' FSL & 2717' FEL</u>	SEC <u>19 TWPSP 21S RGE 24W</u>	GL <u>2381'</u>	CONTRACTOR <u>Murfin Drilling Rig #21</u>
COUNTY <u>Hodgeman STATE Kansas</u>	SPUD <u>2/21/22 COMP 3/2/22</u>	RTD <u>4616' LTD 4612'</u>	MUD UP <u>3500' TYPE MUD Chemical</u>
SAMPLES SAVED FROM <u>3600'</u> TO <u>RTD</u>		DRILLING TIME KEPT FROM <u>3600'</u> TO <u>RTD</u>	
SAMPLES EXAMINED FROM <u>3600'</u> TO <u>RTD</u>		GEOLOGICAL SUPERVISION FROM <u>3600'</u>	
REFERENCE WELL _____		ELECTRICAL SURVEYS <u>Gemini</u>	
FORMATION		CND/DIL: <u>MJC</u>	
Antydrite	Sample Tops	E-log Tops	Struct Foss.
Heabner Sh.		1616 (-776)	
Lansing		3830 (-1438)	
Muncie Ck.		4046 (-1654)	
Ft. Scott		4406 (-2042)	
Cherokee		4434 (-2042)	
Mississippi		4510 (-2118)	

REMARKS The Stairway to Heaven #1 had poor reservoir qualities and was plugged and abandoned.

Respectfully Submitted,

Sean P. Deenihan



DST #1
4458' - 4536'
30-30-30-30"
IF: 0.5"
No BB
FF: No blow"
No BB
Rec: 5' M
IFP: 55-58#
FFP: 59-61#
SIP: 96-79#



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST
Newton, KS 67114

ATTN: Sean Deenihan

Stairway to Heaven 1

7-20-25w, Hodgeman, KS

Start Date: 2022.02.28 @ 23:20:00

End Date: 2022.03.01 @ 08:10:02

Job Ticket #: 68473 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.03.03 @ 22:31:09

Palomino Petroleum

7-20-25w, Hodgeman, KS

Stairway to Heaven 1

DST # 1

Miss.

2022.02.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

7-20-25w, Hodgeman, KS

4924 SE 84th ST
New ton, KS 67114

Stairway to Heaven 1

ATTN: Sean Deenihan

Job Ticket: 68473

DST#: 1

Test Start: 2022.02.28 @ 23:20:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:32:17

Time Test Ended: 08:10:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Webster

Unit No: 72

Interval: 4458.00 ft (KB) To 4536.00 ft (KB) (TVD)

Reference Elevations: ft (KB)

Total Depth: 4536.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: ft

Serial #: 8365 Outside

Press@RunDepth: 61.02 psig @ 4533.00 ft (KB)

Capacity: psig

Start Date: 2022.02.28

End Date:

2022.03.01

Last Calib.:

2022.03.01

Start Time: 23:20:01

End Time:

08:10:02

Time On Btm:

2022.03.01 @ 03:31:32

Time Off Btm:

2022.03.01 @ 05:34:32

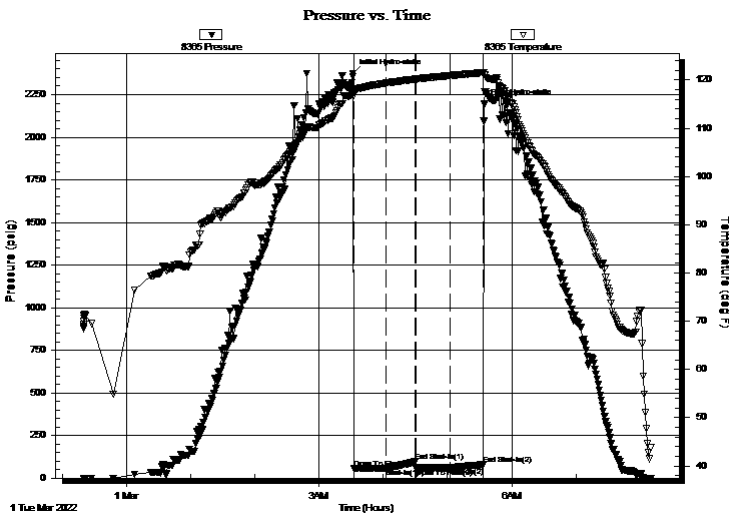
TEST COMMENT: 30 min IF- WSB built to 1/2"

30 min ISI- No returns

30 min FF- No blow

30 min FSI- No returns

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2374.74	117.88	Initial Hydro-static
1	54.83	116.86	Open To Flow (1)
31	58.36	119.35	Shut-In(1)
59	95.97	120.17	End Shut-In(1)
59	59.32	120.19	Open To Flow (2)
91	61.02	120.92	Shut-In(2)
122	78.86	121.53	End Shut-In(2)
123	2194.86	121.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 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

7-20-25w, Hodgeman, KS

4924 SE 84th ST
New ton, KS 67114

Stairway to Heaven 1

Job Ticket: 68473

DST#: 1

ATTN: Sean Deenihan

Test Start: 2022.02.28 @ 23:20:00

Tool Information

Drill Pipe:	Length: 4192.00 ft	Diameter: 3.80 inches	Volume: 58.80 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 59.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4458.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.00 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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Shut In Tool	5.00			4436.00	
Hydraulic tool	5.00			4441.00	
Jars	5.00			4446.00	
Safety Joint	3.00			4449.00	
Packer	5.00			4454.00	27.00 Bottom Of Top Packer
Packer	4.00			4458.00	
Stubb	1.00			4459.00	
Perforations	10.00			4469.00	
Change Over Sub	1.00			4470.00	
Drill Pipe	62.00			4532.00	
Change Over Sub	1.00			4533.00	
Recorder	0.00	8365	Outside	4533.00	
Recorder	0.00	6752	Outside	4533.00	
Bullnose	3.00			4536.00	78.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

7-20-25w, Hodgeman, KS

4924 SE 84th ST
New ton, KS 67114

Stairway to Heaven 1

Job Ticket: 68473

DST#: 1

ATTN: Sean Deenihan

Test Start: 2022.02.28 @ 23:20:00

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: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	Mud 100% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

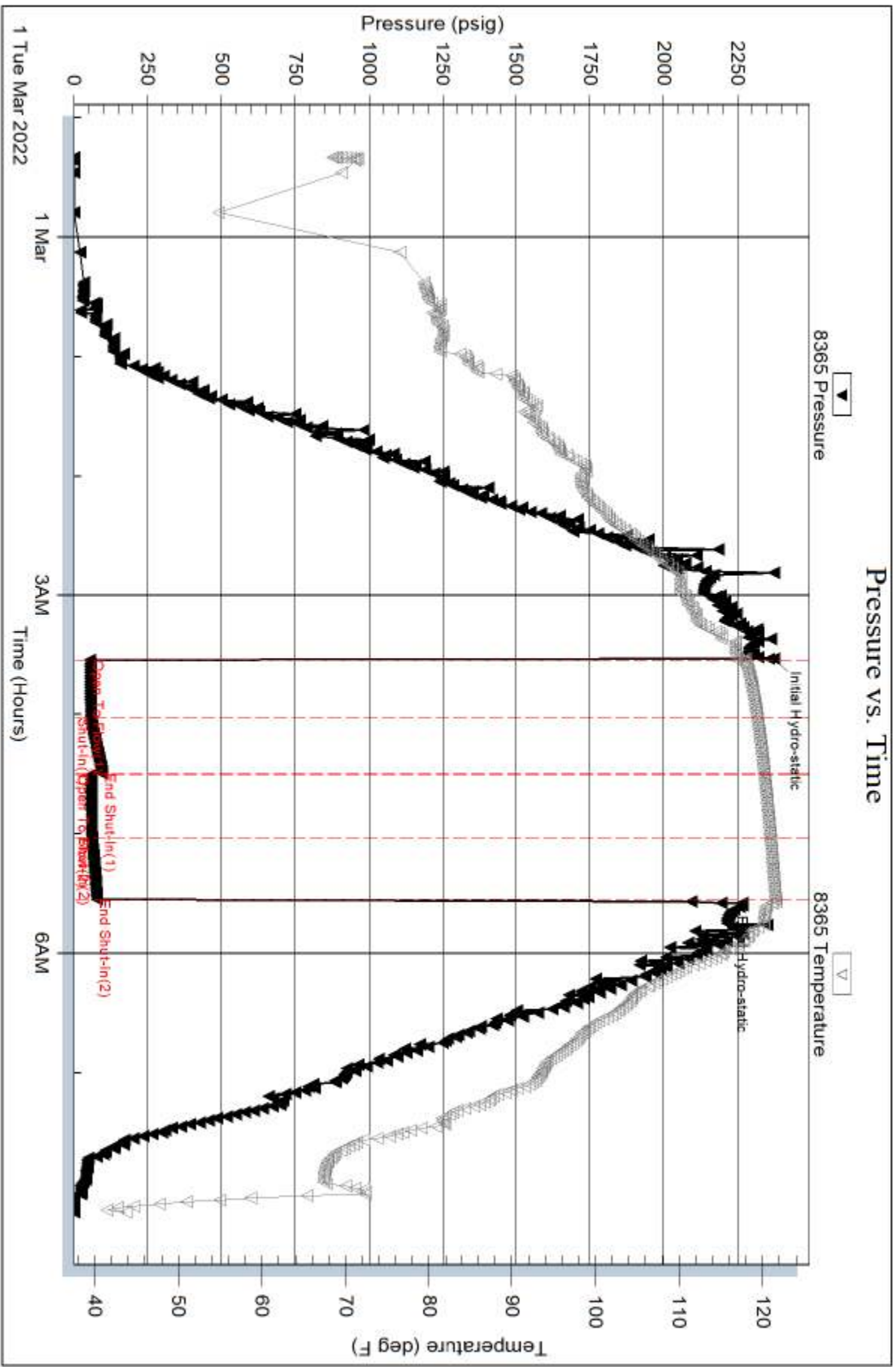
Recovery Comments: 1# LCM

Serial #: 8365

Outside Palomino Petroleum

Stairway to Heaven 1

DST Test Number: 1



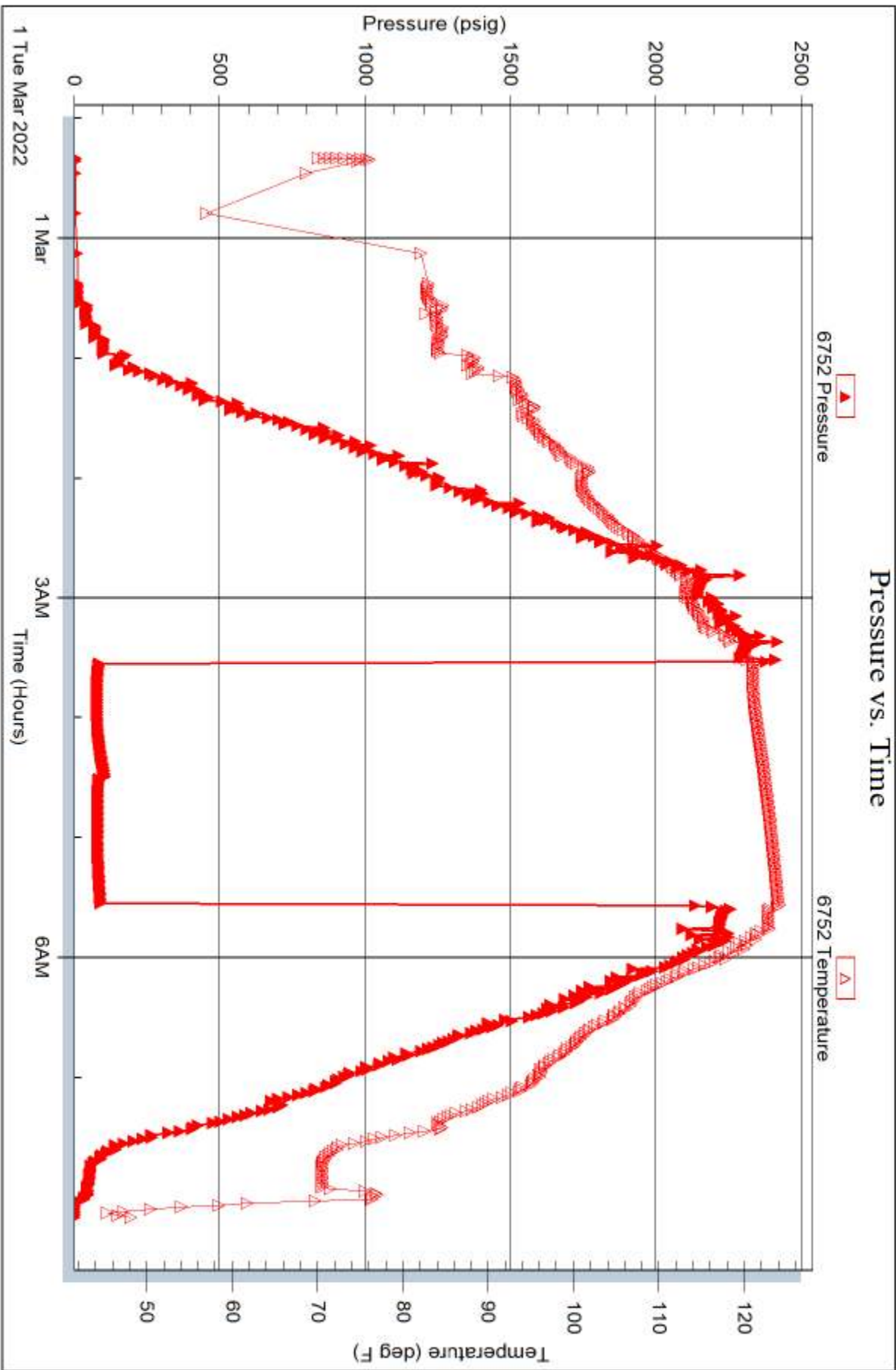
Serial #: 6752

Outside

Palomino Petroleum

Stairway to Heaven 1

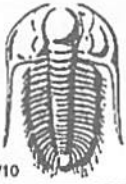
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68473

Printed: 2022.03.03 @ 22:31:10



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68473

Well Name & No. Stairway to heaven #1 Test No. 1 Date 2/28/22
 Company Palomina Petroleum Elevation _____ KB _____ GL _____
 Address 4924 SE 84th St Newton KS 67114
 Co. Rep / Geo. Sean Deenihan Rig Murkin 21
 Location: Sec. 7 Twp 20 Rge. 25w Co. Hodgeman State KY

Interval Tested 4458 - 4536 Zone Tested MISS.
 Anchor Length 78' Drill Pipe Run 4192 Mud Wt. 9.45
 Top Packer Depth 4453 Drill Collars Run 242 Vis 54
 Bottom Packer Depth 4458 Wt. Pipe Run _____ WL 8.0
 Total Depth 4536 Chlorides 3000 ppm System LCM 1#

Blow Description IF - WSP built to 1/2"
ISI - No returns
FF - No blow
FST - All returns

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

Rec Total 5 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2374 Test 1450 T-On Location 2015
 (B) First Initial Flow 54 Jars 250 T-Started 23:26
 (C) First Final Flow 58 Safety Joint 75 T-Open 09:00 - 09:32
 (D) Initial Shut-In 95 Circ Sub _____ T-Pulled 9:32
 (E) Second Initial Flow 59 Hourly Standby _____ T-Out 08:15
 (F) Second Final Flow 61 Mileage 168 Rt 420 Comments _____
 (G) Final Shut-In 78 Sampler _____ loaded tools 3/1 20:00
 (H) Final Hydrostatic 2194 Straddle _____

Initial Open 30 Shale Packer _____ EM Tool _____
 Initial Shut-In 30 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 30 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Sub Total 2195 Total 2195 MP/DST Disc't _____

Approved By _____ Our Representative 16

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.