

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

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc. </div>							
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 (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	ELZA 2
Doc ID	1462497

Tops

Name	Top	Datum
Anhy.	1826	(+ 543)
Base Anhy.	1859	(+ 510)
Heebner	3651	(-1282)
Lansing	3689	(-1320)
BKC	3975	(-1606)
Pawnee	4111	(-1742)
Ft. Scott	4179	(-1810)
Cherokee Sh.	4205	(-1836)
Miss.	4291	(-1922)
LTD	4403	(-2034)

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	ELZA 2
Doc ID	1462497

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	2.625	23	208	Common	150	2% gel, 3% c.c.



MAR 18 2019

QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
PHONE: 785-324-1041 FAX: 785-483-1087
EMAIL: cementing@ruraltel.net

Date: 3/14/2019
Invoice # 1239

P.O.#:

Due Date: 4/13/2019

Division: Russell

Invoice

Contact:
Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
Newton Ks 67114

Reference:
ELZA 2 SEC 12-15-26

Description of Work:
PLUG JOB

Services / Items Included:							
	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 675.02	Yes				
Common-Class A	144	\$ 2,244.32	Yes				
POZ Mix-Standard	96	\$ 508.42	Yes				
Premium Gel (Bentonite)	9	\$ 197.47	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 188.39	Yes				
Pump Truck Mileage-Job to Nearest Camp	36	\$ 122.57	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	36	\$ 95.33	Yes				
Flo Seal	60	\$ 90.79	Yes				
Dry Hole Plug	1	\$ 63.55	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,185.85

Discount Available ONLY if Invoice is Paid & Received
within listed terms of invoice: \$ (104.65)

SubTotal for Taxable Items: \$ 4,081.20

SubTotal for Non-Taxable Items: \$ -

Total: \$ 4,081.20

Tax: \$ 346.90

8.50% Gove County Sales Tax

Amount Due: \$ 4,428.10

Applied Payments:

Balance Due: \$ 4,428.10

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 1239

Cell 785-324-1041

Date	3-14-19	Sec.	12	Twp.	15	Range	26	County	Greene	State	KS	On Location		Finish	11:00p.m
Location								Village ER 8'ku 1/2w into							
Lease	E12a							Well No.	2						
Contractor	W.W.#10							Owner							
Type Job								To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	7 7/8							T.D.	4398						
Csg.								Charge To	Palomino Petroleum						
Tbg. Size								Depth	Street						
Tool								Depth	City						
Cement Left in Csg.								Shoe Joint	State						
Meas Line								Displace	The above was done to satisfaction and supervision of owner agent or contractor.						
EQUIPMENT								Cement Amount Ordered							
Pumptrk	20							No.	240 60/40 4-1/2 1/4" 1/2"						
Bulktrk								No.	Common 144						
Bulktrk	9							No.	Poz. Mix 96						
								No.	Gel. 9						
								No.	Calcium						
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal 60#							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
1st 1840 50SK								Handling 249							
2nd 790 100SK								Mileage							
3rd 260 50SK								FLOAT EQUIPMENT 8 5/8 Dry Hole Plug							
4th 40' 10SK								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge plug							
								Mileage 36							
								Tax							
								Discount							
								Total Charge							
X Signature															

Thanks



RECEIVED

MAR 13 2019

QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
PHONE: 785-324-1041 FAX: 785-483-1087
EMAIL: cementing@ruraltel.net

Date: 3/8/2019
Invoice # 1233

P.O.#:

Due Date: 4/7/2019

Division: Russell

Invoice

Contact:

Palomino Petroleum Inc

Address/Job Location:

4924 SE 84th
Newton Ks 67114

Reference:

ELZA 2 SEC

Description of Work:

SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 675.02	No				
Common-Class A	120	\$ 1,870.26	Yes				
Calcium Chloride	7	\$ 296.58	Yes				
POZ Mix-Standard	30	\$ 158.88	Yes				
Pump Truck Mileage-Job to Nearest Camp	36	\$ 122.57	No				
Bulk Truck Matl-Material Service Charge	160	\$ 121.05	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	36	\$ 95.33	No				
Premium Gel (Bentonite)	3	\$ 65.82	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,405.51

Discount Available ONLY if Invoice is Paid & Received
within listed terms of invoice: \$ (85.14)

SubTotal for Taxable Items: \$ 2,331.76

SubTotal for Non-Taxable Items: \$ 988.62

Total: \$ 3,320.37

Tax: \$ 198.20

8.50% Gove County Sales Tax

Amount Due: \$ 3,518.57

Applied Payments:

Balance Due: \$ 3,518.57

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 1233

Cell 785-324-1041

Date <u>3-8-19</u>	Sec.	Twp.	Range	County <u>Gove</u>	State <u>KS</u>	On Location	Finish <u>6:45 PM</u>
				Location <u>Utica East side 8 1/2 N 1/2 W into</u>			
Lease <u>Eliza</u>	Well No. <u>2</u>			Owner			
Contractor <u>WW #10</u>				To Quality Oilwell Cementing, Inc.			
Type Job <u>Surface</u>				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <u>12 1/4</u>	T.D. <u>208</u>			Charge To <u>Palomino Petroleum</u>			
Csg. <u>8 5/8</u>	Depth <u>207</u>			Street			
Tbg. Size	Depth			City State			
Tool	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <u>10'</u>	Shoe Joint			Cement Amount Ordered <u>150 8/20 3 1/4 2 1/4 402</u>			
Meas Line	Displace <u>12 1/2 BCL</u>						
EQUIPMENT				Common <u>120</u>			
Pumptrk <u>20</u>	No.	Cement	Helper <u>Tony</u>	Poz. Mix <u>30</u>			
Bulktrk	No.	Driver	Driver <u>Michael</u>	Gel. <u>3</u>			
Bulktrk <u>9</u>	No.	Driver	Driver <u>David</u>	Calcium <u>7</u>			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<u>8 5/8 on bottom. Est. Circulation.</u>				Handling <u>160</u>			
<u>Mix 150 SK 9 Displace.</u>				Mileage			
<u>Cement Circulated.</u>				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>36</u>			
				Tax			
				Discount			
				Total Charge			
X Signature							

Thanks



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114+8827

ATTN: Ryan Seib

Elza #2

12-15S-26W Gove,KS

Start Date: 2019.03.13 @ 12:17:00

End Date: 2019.03.13 @ 18:09:02

Job Ticket #: 65653 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.03.15 @ 14:23:16



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Ryan Seib

12-15S-26W Gove,KS

Elza #2

Job Ticket: 65653

DST#: 1

Test Start: 2019.03.13 @ 12:17:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:14:02

Time Test Ended: 18:09:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: **4198.00 ft (KB) To 4303.00 ft (KB) (TVD)**

Total Depth: 4303.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2369.00 ft (KB)

2364.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 62.98 psig @ 4199.00 ft (KB)

Start Date: 2019.03.13

End Date:

2019.03.13

Capacity:

psig

Start Time: 12:17:01

End Time:

18:09:02

Last Calib.:

2019.03.13

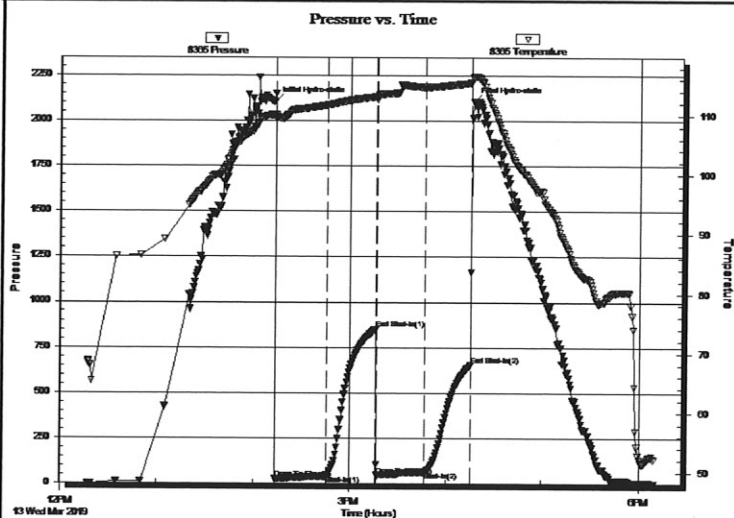
Time On Btm:

2019.03.13 @ 14:13:02

Time Off Btm:

2019.03.13 @ 16:17:02

TEST COMMENT: IF 30 Minutes Blow to 3"
IS 30 Minutes No blow back
FF 30 Minutes Surface blow dead in 2 minutes/ Flush tool/ Surface blow 1 minute
FSI 30 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.48	110.10	Initial Hydro-static
1	24.20	109.56	Open To Flow (1)
33	40.53	111.77	Shut-In(1)
63	850.30	113.13	End Shut-In(1)
64	46.38	113.18	Open To Flow (2)
94	62.98	114.81	Shut-In(2)
123	653.01	115.50	End Shut-In(2)
124	2103.69	116.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	VSLOCM 5%O 95%M	0.32

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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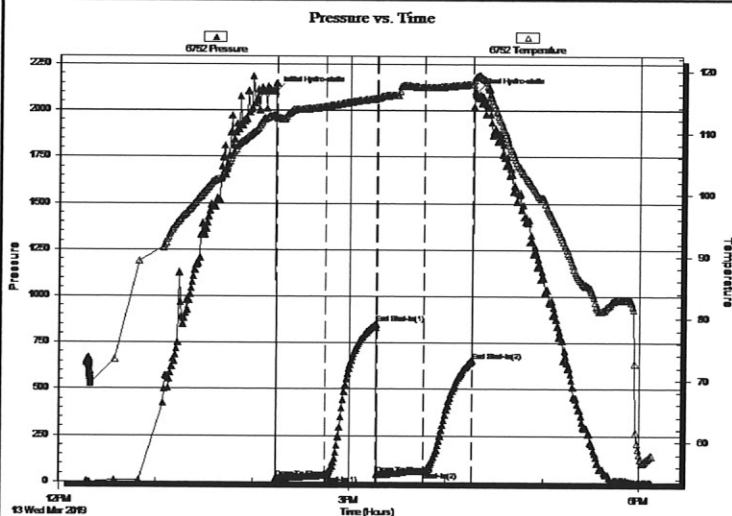
Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Ryan Seib

Elza #2
Job Ticket: 65653 **DST#: 1**
Test Start: 2019.03.13 @ 12:17:00

Formation:	Mississippi			Test Type:	Conventional Bottom Hole (Initial)
Deviated:	No	Whipstock:	ft (KB)	Tester:	Ken Sw inney
Time Tool Opened:	14:14:02			Unit No:	72
Time Test Ended:	18:09:02				
Interval:	4198.00 ft (KB) To	4303.00 ft (KB) (TVD)		Reference Elevations:	2369.00 ft (KB)
Total Depth:	4303.00 ft (KB) (TVD)				2364.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Fair	KB to GR/CF:	5.00 ft

Serial #: 6752						
Outside						
Press@RunDepth:	656.32 psig @	4200.00 ft (KB)		Capacity:		psig
Start Date:	2019.03.13	End Date:	2019.03.13	Last Calib.:	2019.03.13	
Start Time:	12:17:01	End Time:	18:08:02	Time On Btm:	2019.03.13 @ 14:13:02	
				Time Off Btm:	2019.03.13 @ 16:17:32	

TEST COMMENT: IF 30 Minutes Blow to 3"
IS 30 Minutes No blow back
FF 30 Minutes Surface blow dead in 2 minutes/ Flush tool/ Surface blow 1 minute
FSI 30 Minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.60	112.84	Initial Hydro-static
1	19.25	112.44	Open To Flow (1)
32	37.13	114.32	Shut-In(1)
64	852.31	115.63	End Shut-In(1)
64	42.83	115.61	Open To Flow (2)
94	57.84	117.45	Shut-In(2)
123	656.32	118.00	End Shut-In(2)
125	2096.71	119.14	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
65.00	VSLOCM 5%O 95%M	0.32

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

12-15S-26W Gove,KS

4924 SE 84th St
New ton, KS 67114+8827

Elza #2

Job Ticket: 65653

DST#: 1

ATTN: Ryan Seib

Test Start: 2019.03.13 @ 12:17:00

Tool Information

Drill Pipe:	Length: 4058.00 ft	Diameter: 3.80 inches	Volume: 56.92 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	57.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4198.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	105.35 ft				
Tool Length:	133.35 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

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

Shut-In Tool	5.00			4175.00	
Hydraulic tool	5.00			4180.00	
Jars	6.00			4186.00	
Safety Joint	2.00			4188.00	
Top Packer	5.00			4193.00	
Packer	5.00			4198.00	28.00 Bottom Of Top Packer
Recorder	1.00	8365	Inside	4199.00	
Recorder	1.00	6752	Outside	4200.00	
Anchor	35.00			4235.00	
Change Over Sub	1.00			4236.00	
Drill Pipe	63.35			4299.35	
Change Over Sub	1.00			4300.35	
Bullnose	3.00			4303.35	105.35 Anchor Tool

Total Tool Length: 133.35



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

12-15S-26W Gove,KS

4924 SE 84th St
New ton, KS 67114+8827

Elza #2

Job Ticket: 65653

DST#: 1

ATTN: Ryan Seib

Test Start: 2019.03.13 @ 12:17:00

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.69 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	VSLOCM 5%O 95%M	0.320

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8365

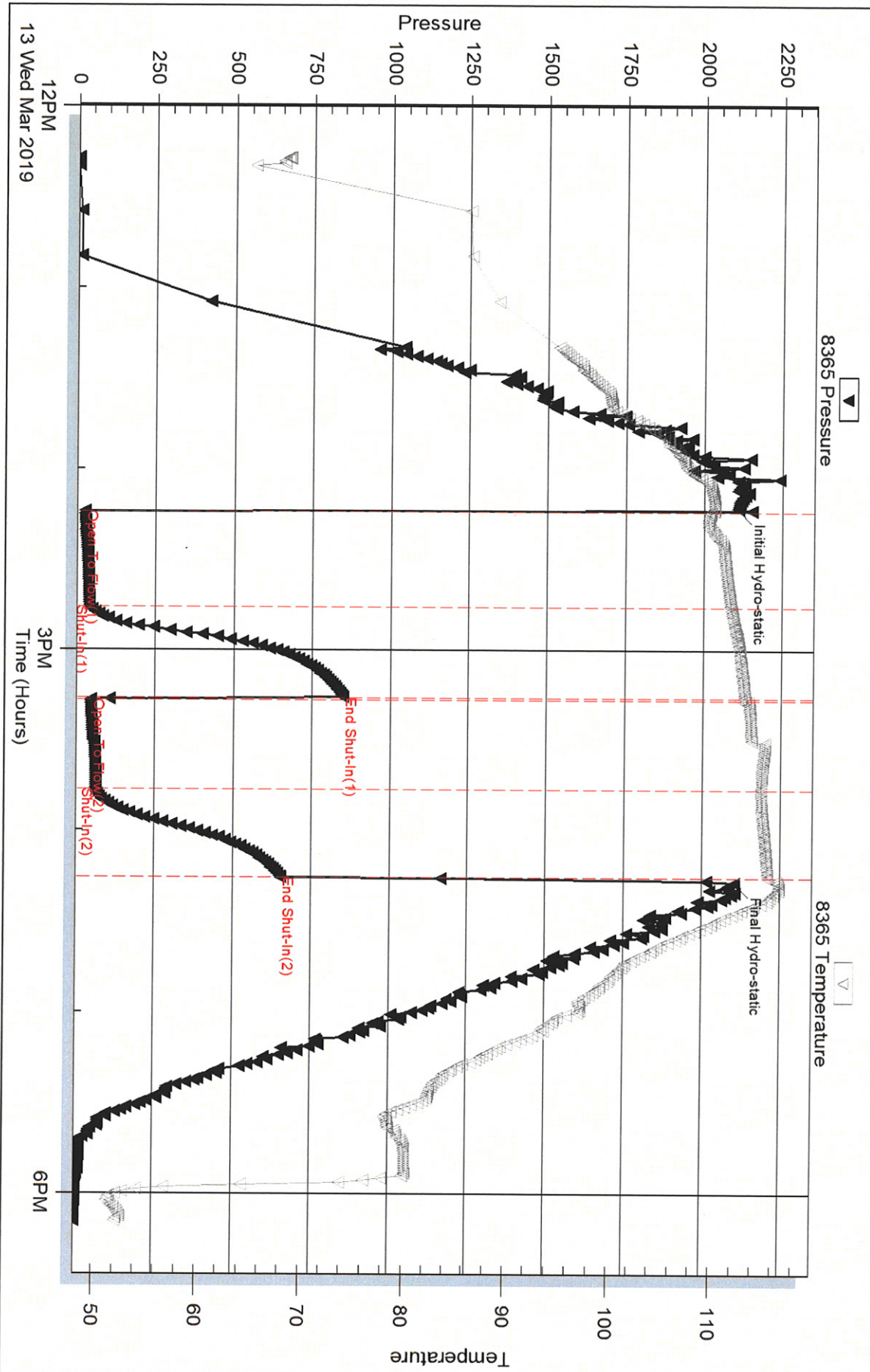
Inside

Palomino Petroleum Inc

Bza #2

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 65653

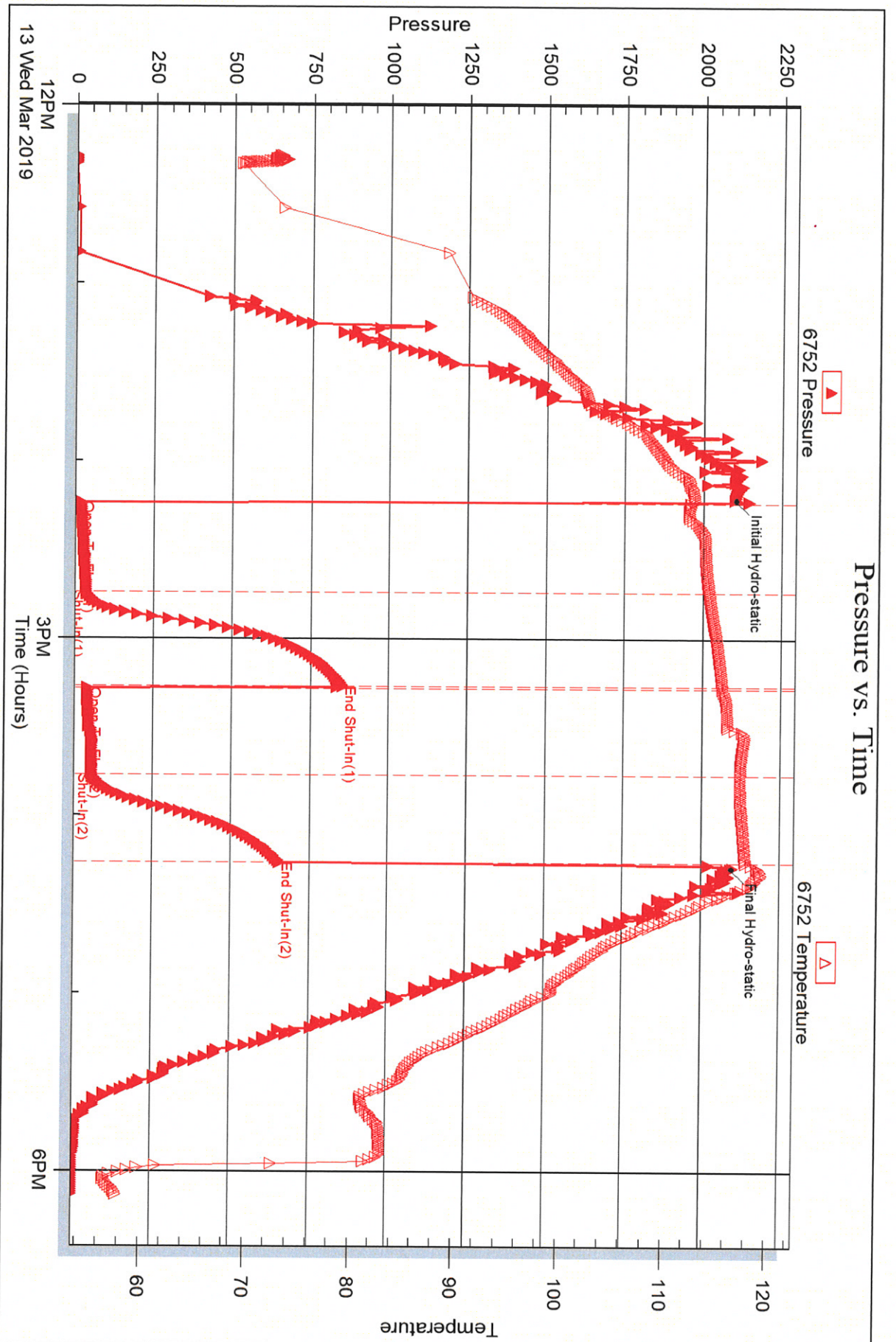
Printed: 2019.03.15 @ 14:23:17

Serial #: 6752

Outside Palomino Petroleum Inc

Bza #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114+8827

ATTN: Ryan Seib

Elza #2

12-15S-26W Gove,KS

Start Date: 2019.03.14 @ 08:25:00

End Date: 2019.03.14 @ 15:39:02

Job Ticket #: 65654 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.03.15 @ 14:22:53



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Ryan Seib

12-15S-26W Gove,KS

Elza #2

Job Ticket: 65654

DST#: 2

Test Start: 2019.03.14 @ 08:25:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:51:32

Time Test Ended: 15:39:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: **4300.00 ft (KB) To 4343.00 ft (KB) (TVD)**

Total Depth: 4403.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2369.00 ft (KB)

2364.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 97.00 psig @ 4300.00 ft (KB)

Start Date: 2019.03.14

End Date:

2019.03.14

Capacity:

psig

Start Time: 08:25:01

End Time:

15:39:02

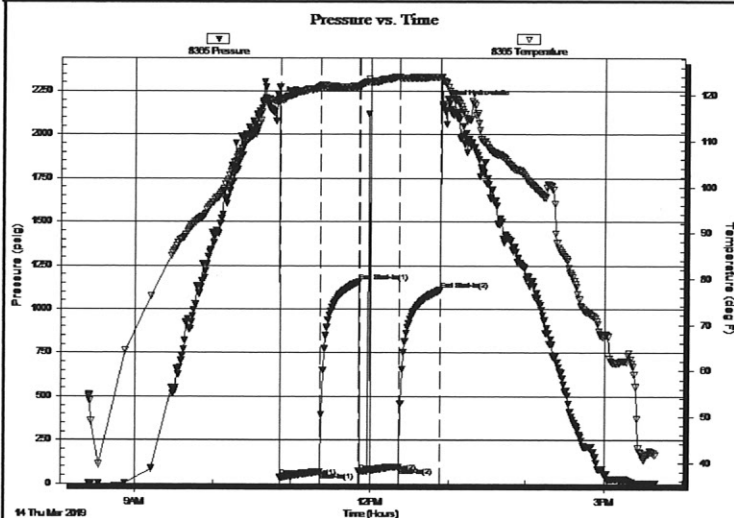
Last Calib.:

2019.03.14

Time On Btm: 2019.03.14 @ 10:50:17

Time Off Btm: 2019.03.14 @ 12:54:32

TEST COMMENT: IF 30 Minutes Blow to 3"
ISI 30 Minutes No blow back
FF 30 Minutes Few bubbles at open - Flush - Blow to 3/4"
FSI 30 Mintues No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.53	118.88	Initial Hydro-static
2	36.74	118.89	Open To Flow (1)
32	68.76	122.04	Shut-In(1)
61	1155.88	121.92	End Shut-In(1)
62	70.89	121.66	Open To Flow (2)
92	97.00	123.86	Shut-In(2)
123	1108.61	123.96	End Shut-In(2)
125	2173.92	123.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud w /skim of oil/ M 100%	0.59

Gas Rates

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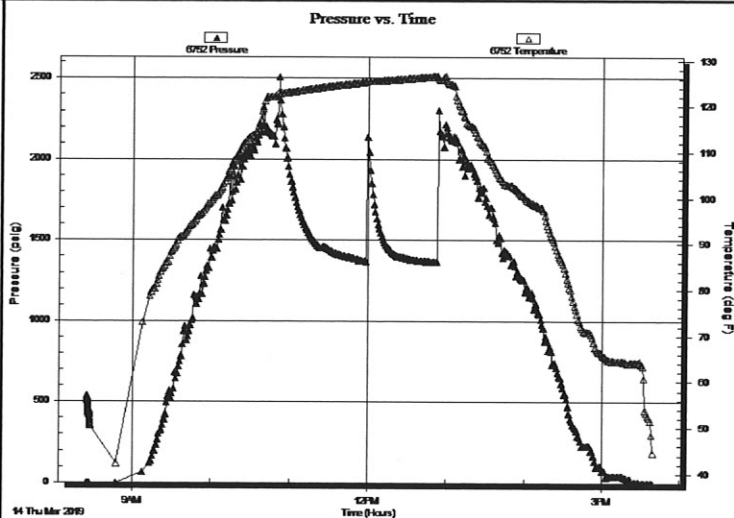


Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Ryan Seib

Elza #2
Job Ticket: 65654 **DST#: 2**
Test Start: 2019.03.14 @ 08:25:00

Formation:	Mississippi			Test Type:	Conventional Straddle (Initial)
Deviated:	No	Whipstock:	ft (KB)	Tester:	Ken Swinney
Time Tool Opened:	10:51:32			Unit No:	72
Time Test Ended:	15:39:02				
Interval:	4300.00 ft (KB) To	4343.00 ft (KB) (TVD)		Reference Elevations:	2369.00 ft (KB)
Total Depth:	4403.00 ft (KB) (TVD)				2364.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Fair	KB to GR/CF:	5.00 ft

TEST COMMENT: IF 30 Minutes Blow to 3"
ISI 30 Minutes No blow back
FF 30 Minutes Few bubbles at open - Flush - Blow to 3/4"
FSI 30 Minutes No blow back

[illegible][illegible]

	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+8827
ATTN: Ryan Seib

12-15S-26W Gove,KS

Elza #2

Job Ticket: 65654

DST#: 2

Test Start: 2019.03.14 @ 08:25:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:51:32

Time Test Ended: 15:39:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: **4300.00 ft (KB) To 4343.00 ft (KB) (TVD)**

Total Depth: 4403.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2369.00 ft (KB)

2364.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Outside

Press@RunDepth: 1103.68 psig @ 4300.00 ft (KB)

Start Date: 2019.03.14

End Date:

2019.03.14

Capacity:

psig

Last Calib.:

2019.03.14

Start Time: 08:25:01

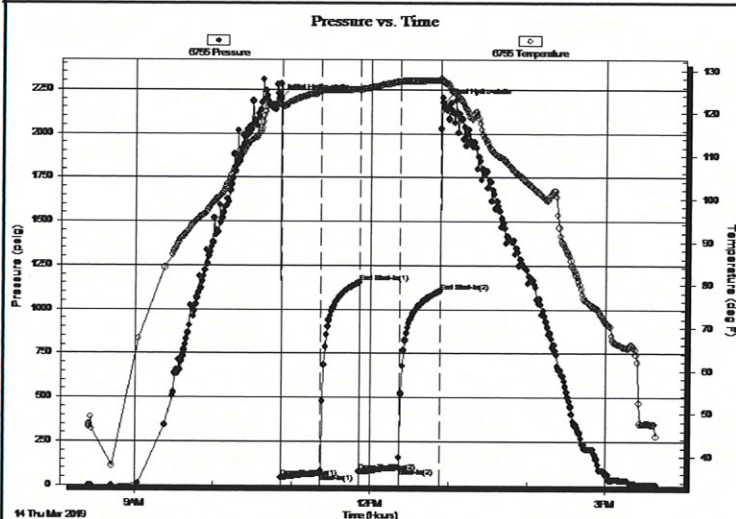
End Time:

15:39:02

Time On Btm: 2019.03.14 @ 10:50:32

Time Off Btm: 2019.03.14 @ 12:54:47

TEST COMMENT: IF 30 Minutes Blow to 3"
ISI 30 Minutes No blow back
FF 30 Minutes Few bubbles at open - Flush - Blow to 3/4"
FSI 30 Mintues No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.38	122.13	Initial Hydro-static
2	44.44	121.77	Open To Flow (1)
32	68.99	125.08	Shut-In(1)
61	1151.53	125.45	End Shut-In(1)
62	77.64	125.26	Open To Flow (2)
92	101.26	127.35	Shut-In(2)
123	1103.68	127.63	End Shut-In(2)
125	2174.63	127.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud w /skim of oil/ M 100%	0.59

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

12-15S-26W Gove,KS

4924 SE 84th St
New ton, KS 67114+8827

Elza #2

Job Ticket: 65654

DST#: 2

ATTN: Ryan Seib

Test Start: 2019.03.14 @ 08:25:00

Tool Information

Drill Pipe:	Length: 4187.00 ft	Diameter: 3.80 inches	Volume: 58.73 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume: 59.32 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.70 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4300.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	4400.62 ft			
Interval between Packers:	100.62 ft			
Tool Length:	124.32 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

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

Shut-In Tool	5.00			4281.30	
Hydraulic tool	5.00			4286.30	
Jars	5.00			4291.30	
Safety Joint	2.00			4293.30	
Top Packer	5.00			4298.30	
Packer	1.70			4300.00	23.70 Bottom Of Top Packer
Recorder	0.00	8365	Inside	4300.00	
Recorder	0.00	6755	Outside	4300.00	
Anchor	5.00			4305.00	
Change Over Sub	0.85			4305.85	
Drill Pipe	31.17			4337.02	
Change Over Sub	1.15			4338.17	
Packer (Interval Side)	2.80			4340.97	
Packer (Tail Side)	1.75			4342.72	
Blank Off Sub	1.00			4343.72	
Recorder	0.00	6752	Below	4343.72	
Perforations	20.00			4363.72	
Change Over Sub	1.05			4364.77	
Drill Pipe	31.75			4396.52	
Change Over Sub	1.10			4397.62	
Bullnose	3.00			4400.62	100.62 Anchor Tool

Total Tool Length: 124.32



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

12-15S-26W Gove,KS

4924 SE 84th St
New ton, KS 67114+8827

Elza #2

Job Ticket: 65654

DST#: 2

ATTN: Ryan Seib

Test Start: 2019.03.14 @ 08:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 7.69 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud w/skim of oil/ M 100%	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

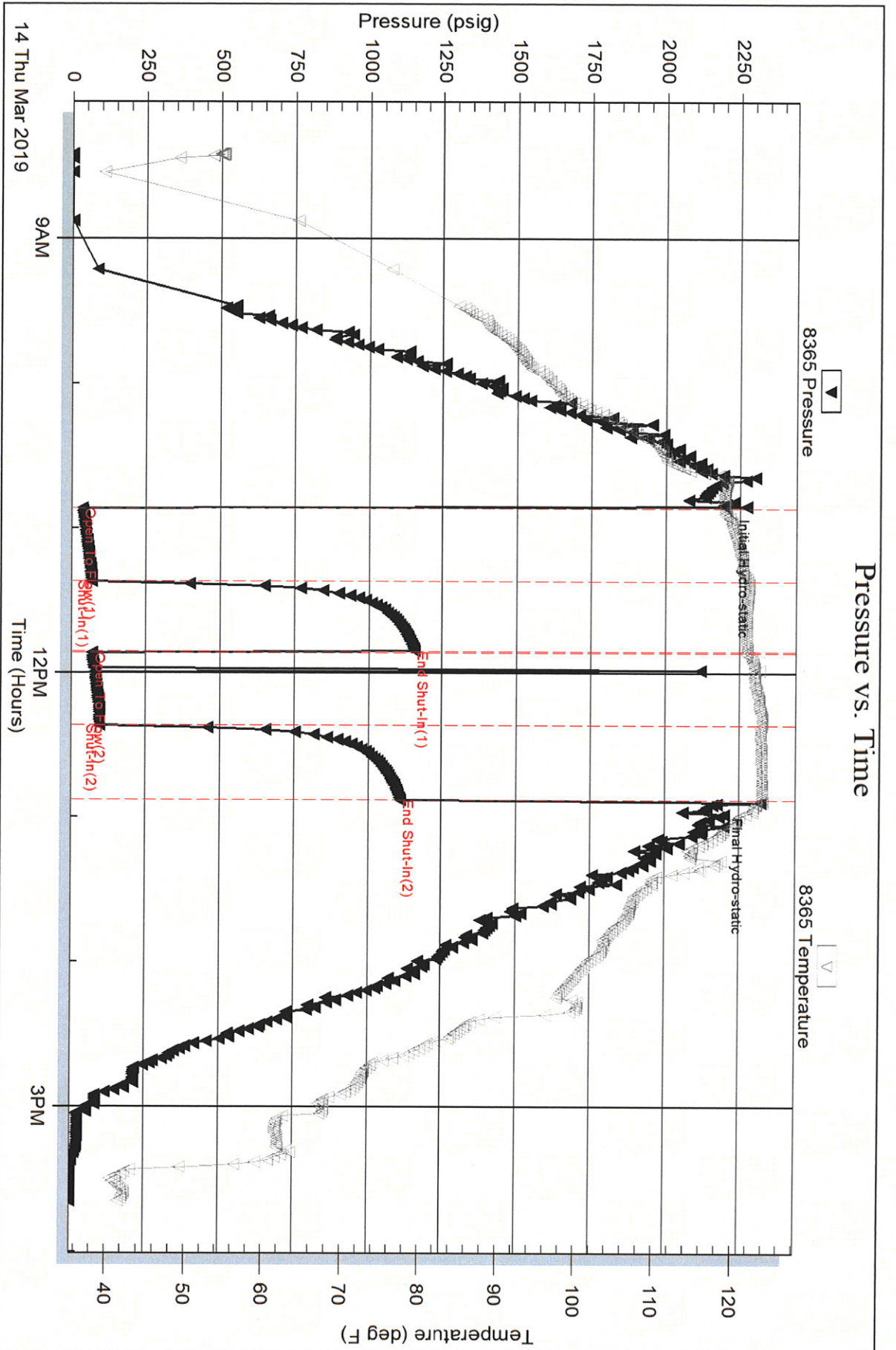
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Inside

Palomino Petroleum Inc

Elza #2

DST Test Number: 2

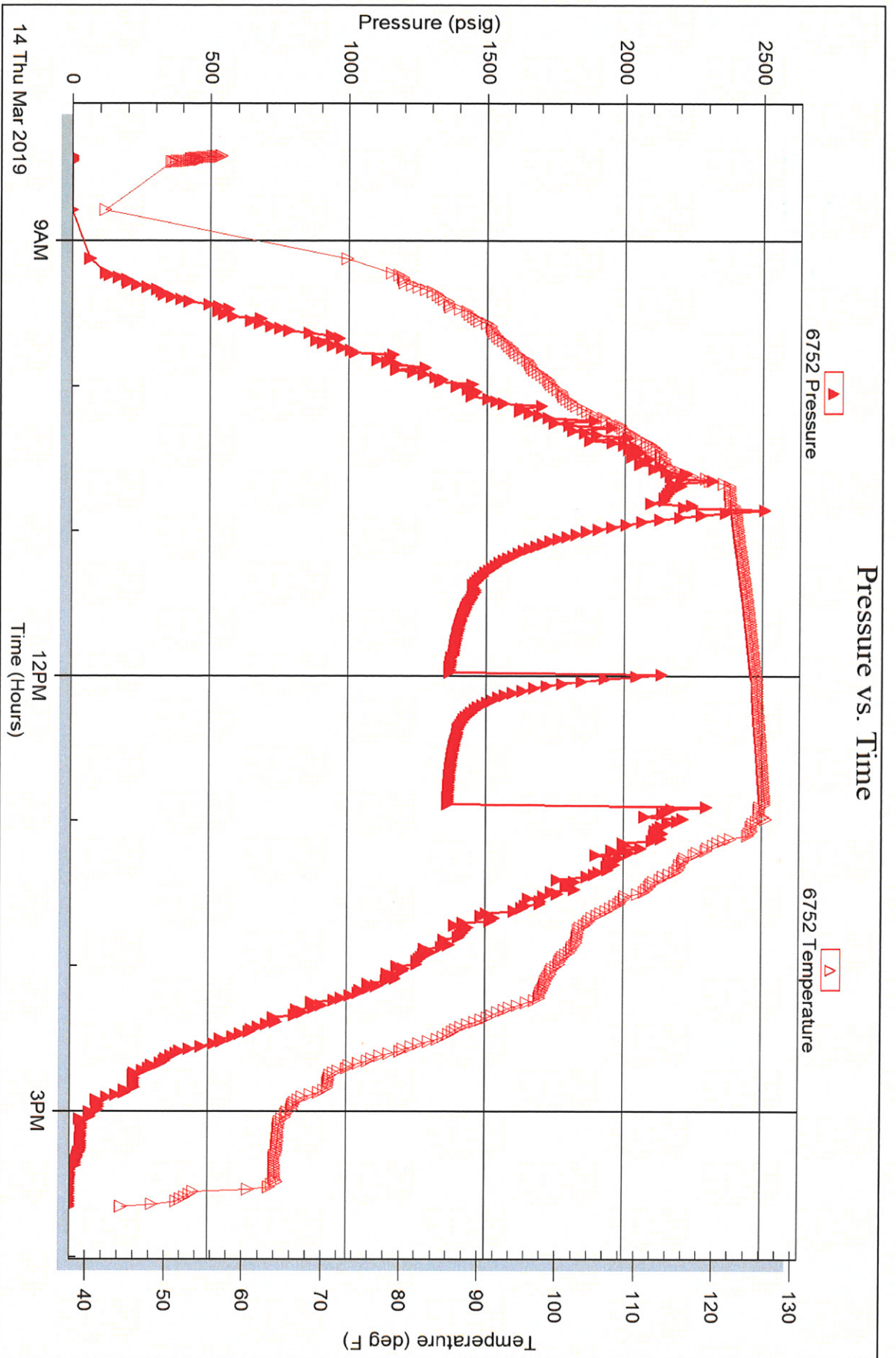


Serial #: 6752

Below (Stratton) Petroleum Inc

Elza #2

DST Test Number: 2



Tribble Testing, Inc

Ref. No.: 65654

Printed: 2019.03.15 @ 14:22:54

Serial #: 6755

Outside

Palomino Petroleum Inc

Elza #2

DST Test Number: 2

