

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
--	---

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	CASS 1
Doc ID	1426855

Tops

Name	Top	Datum
Anhy.	2248	(+568)
Base Anhy.	2305	(+511)
Heebner	3868	(-1052)
Toronto	3890	(-1074)
Lansing	3908	(-1092)
Muncie Creek	4055	(-1239)
Stark	4149	(-1333)
BKC	4222	(-1406)
Marmaton	4351	(-1437)
Pawnee	4351	(-1535)
Ft. Scott	4409	(-1593)
Cherokee Sh.	4436	(-1620)
Miss.	4560	(-1744)
LTD	4745	(-1929)



REMIT TO

QES Pressure Pumping LLC
Dept:970
P.O.Box 4346
Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

813979

Invoice Date: 08/29/18

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
USA

RECEIVED
SEP 01 2018

CASS #1

Tax: 249.01

Total: 5,120.66



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

11448
 11336

TICKET NUMBER 55283
 LOCATION Oakley Ks
 FOREMAN Jerry Y

FIELD TICKET & TREATMENT REPORT
 CEMENT

Invoice # 813979 Ks

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-17-18	6285	Cass #7	6	H/S	30W	Gove
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Palomino			731	Neil W		
Mailing Address			1530-7129	Steve C		
4924 SE 84th Street			335	Jerry Y		
City			679	W141		
Newton						
STATE						
KS						
ZIP CODE						
67114-8827						

JOB TYPE	Plug	HOLE SIZE	7 7/8	HOLE DEPTH	4744	CASING SIZE & WEIGHT	
CASING DEPTH		DRILL PIPE	4 1/2	TUBING		OTHER	
SLURRY WEIGHT	13.8	SLURRY VOL	1.47	WATER gal/sk		CEMENT LEFT in CASING	
DISPLACEMENT		DISPLACEMENT PSI		MIX PSI		RATE	

REMARKS: Safety meeting & rig up on well 10 plug as ordered with 240 sks
 60/40 48 gal 1/2 # 11
 50 sks @ 2990'
 100 sks @ 1336'
 50 sks @ 268'
 10 sks @ 40' w/ 8 7/8 wiper plug
 30 sks Reithole

Thank you
 Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900.00	1900.00
CE0002	30	MILEAGE	7.15	214.50
CE0711	10.32	km mileage delivery (min)	660.00	660.00
CC5829	240 sks	Liteblend II	16.00	3840.00
CC6075	60 #	Flt 500	3.00	180.00
CP8228	1	8 7/8 wooden plug	165.00	165.00
			Subtotal	6959.50
			-308	2087.85
			Subtotal	4871.65

SCANNED

SALES TAX 249.01
 ESTIMATED TOTAL 5,120.66

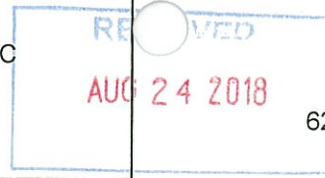
AUTHORIZATION *[Signature]* TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's received time, Aug. 24. 2018 9:20AM No. 2873 on the back of this form are in effect for services identified on this form



REMIT TO

QES Pressure Pumping LLC
Dept:970
P.O.Box 4346
Houston, TX 77210-4346



MAIN OFFICE

P.O.Box884
Chanute, KS 66720
620/431-9210, 1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

813918

Invoice Date: 08/22/18

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
USA

CASS #1

Tax: 235.62

Total: 4,424.77



PRESSURE PUMPING LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

SM-11294
PO-17595
FT-11279

TICKET NUMBER 55247

LOCATION Oakley

FOREMAN Walt Dinkel

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #81318

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-10-18	6285	Cass #1	6	143	30W	Boone
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Palomino Petroleum Inc			753	Cory Wilson		
MAILING ADDRESS			523-T127	Miles Shaw		
4924 SE 8th Street			17	Walt Dinkel		
CITY	STATE	ZIP CODE				
Newton	KS	67114-8821				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 218' CASING SIZE & WEIGHT 858-24"
 CASING DEPTH 218' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 12.6 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPI

REMARKS: Safety Meeting, rig up equipment, circ casing on bottom
Mix 165 sks com, 3% cc - 2% bel, Displace 12.6 BBL H₂O, Skirtia

Cement Did Circ

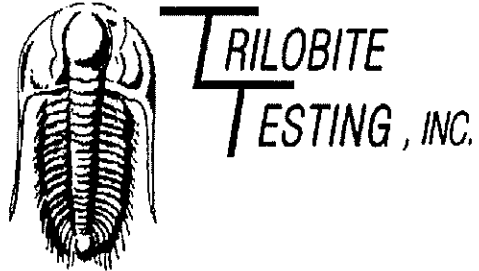
Thank You
Walt & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Ceo471	1	PUMP CHARGE	1,150.00	1,150.00
Ce0002	30	MILEAGE	7.15	214.50
Ce0711	2.76	Ton Mileage Delivery	195	660.00
205871	165 sks	Surface Blend II	24.00	3960.00
				5,984.50
		Less 30% Disc		1,795.35
				4,189.15
		8.5 %	SALES TAX	336.62
			ESTIMATED TOTAL	4525.77

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

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.



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Cass #1

6-14s-36w Gove,KS

Start Date: 2018.08.15 @ 00:25:04

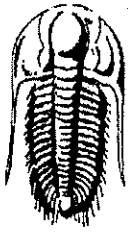
End Date: 2018.08.15 @ 05:40:04

Job Ticket #: 63908 DST #: 1

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

Printed: 2018.08.21 @ 11:37:58

Palomino Petroleum Inc 6-14s-36w Gove,KS Cass #1 DST # 1 LKC H-1 2018.08.15



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

6-14s-36w Gove,KS

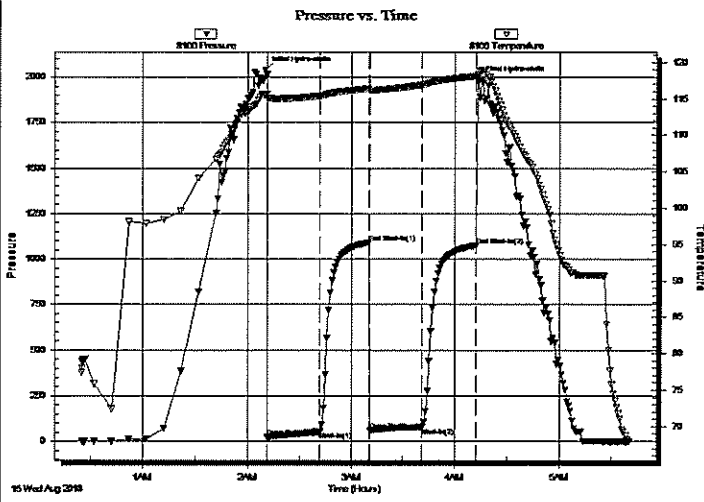
Cass #1
Job Ticket: 63908 **DST#: 1**
Test Start: 2018.08.15 @ 00:25:04

GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **02:11:34**
Time Test Ended: **05:40:04**
Interval: **4050.00 ft (KB) To 4152.00 ft (KB) (TVD)**
Total Depth: **4152.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Brandon Turley**
Unit No: **79**
Reference Elevations: **2816.00 ft (KB)**
2811.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8166 **Outside**
Press@RunDepth: **77.04 psig @ 4051.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2018.08.15** End Date: **2018.08.15** Last Calib.: **2018.08.15**
Start Time: **00:25:09** End Time: **05:40:03** Time On Btm: **2018.08.15 @ 02:10:04**
Time Off Btm: **2018.08.15 @ 04:13:34**

TEST COMMENT: IF: 3/4" blow built to 3 1/4"
IS: No return.
FF: Surface blow built to 2 1/4"
FS: No return.



PRESSURE SUMMARY

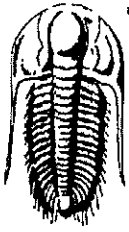
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.12	115.51	Initial Hydro-static
2	22.68	115.10	Open To Flow (1)
32	52.69	115.36	Shut-In(1)
60	1090.44	116.37	End Shut-In(1)
61	60.02	116.12	Open To Flow (2)
91	77.04	116.88	Shut-In(2)
122	1075.39	118.09	End Shut-In(2)
124	1982.16	118.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
132.00	ocm 5%o 95%m	0.74
1.00	free oil 100%o	0.01

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63908

DST#: 1

ATTN: Ryan Seib

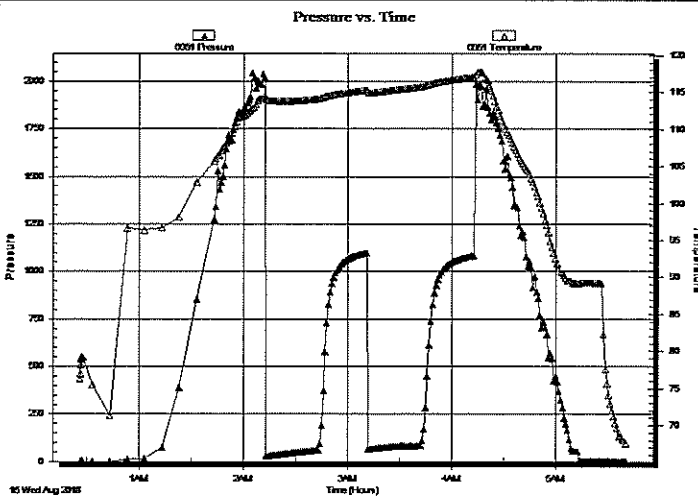
Test Start: 2018.08.15 @ 00:25:04

GENERAL INFORMATION:

Formation: LKC H-I
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:11:34
 Time Test Ended: 05:40:04
 Interval: 4050.00 ft (KB) To 4152.00 ft (KB) (TVD)
 Total Depth: 4152.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2816.00 ft (KB)
 2811.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6651 Inside
 Press@RunDepth: psig @ 4051.00 ft (KB)
 Start Date: 2018.08.15 End Date: 2018.08.15
 Start Time: 00:26:01 End Time: 05:40:55
 Capacity: 8000.00 psig
 Last Calib.: 2018.08.15
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 3/4" blow built to 3 1/4"
 IS: No return.
 FF: Surface blow built to 2 1/4"
 FS: No return.



PRESSURE SUMMARY

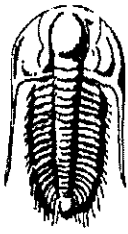
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bb)
132.00	ocm 5%o 95%m	0.74
1.00	free oil 100%o	0.01

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: Ryan Seib

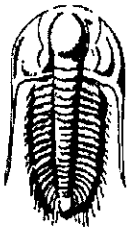
6-14s-36w Gove,KS
Cass #1
Job Ticket: 63908 **DST#: 1**
Test Start: 2018.08.15 @ 00:25:04

Tool Information

Drill Pipe:	Length: 3905.00 ft	Diameter: 3.80 inches	Volume: 54.78 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: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 55.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4050.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4024.00	
Shut In Tool	5.00			4029.00	
Hydraulic tool	5.00			4034.00	
Jars	5.00			4039.00	
Safety Joint	2.00			4041.00	
Packer	5.00			4046.00	27.00 Bottom Of Top Packer
Packer	4.00			4050.00	
Stubb	1.00			4051.00	
Recorder	0.00	6651	Inside	4051.00	
Recorder	0.00	8166	Outside	4051.00	
Perforations	1.00			4052.00	
Change Over Sub	1.00			4053.00	
Drill Pipe	93.00			4146.00	
Change Over Sub	1.00			4147.00	
Bullnose	5.00			4152.00	102.00 Bottom Packers & Anchor
Total Tool Length:	129.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63908

DST#: 1

ATTN: Ryan Seib

Test Start: 2018.08.15 @ 00:25:04

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
132.00	ocm 5%o 95%m	0.740
1.00	free oil 100%o	0.014

Total Length: 133.00 ft Total Volume: 0.754 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

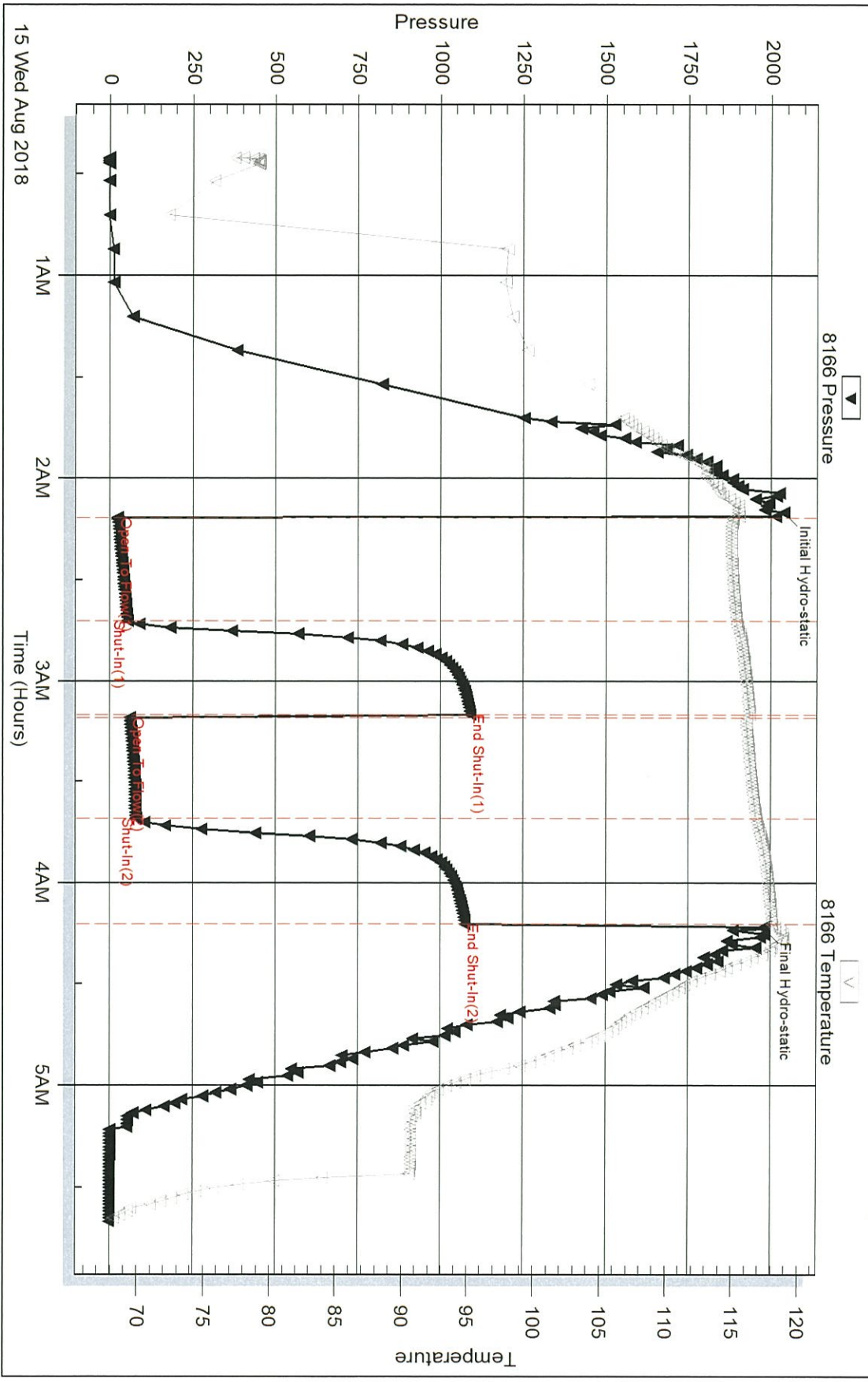
Serial #: 8166

Outside Palomino Petroleum Inc

Cass #1

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63908

Printed: 2018.08.21 @ 11:37:59

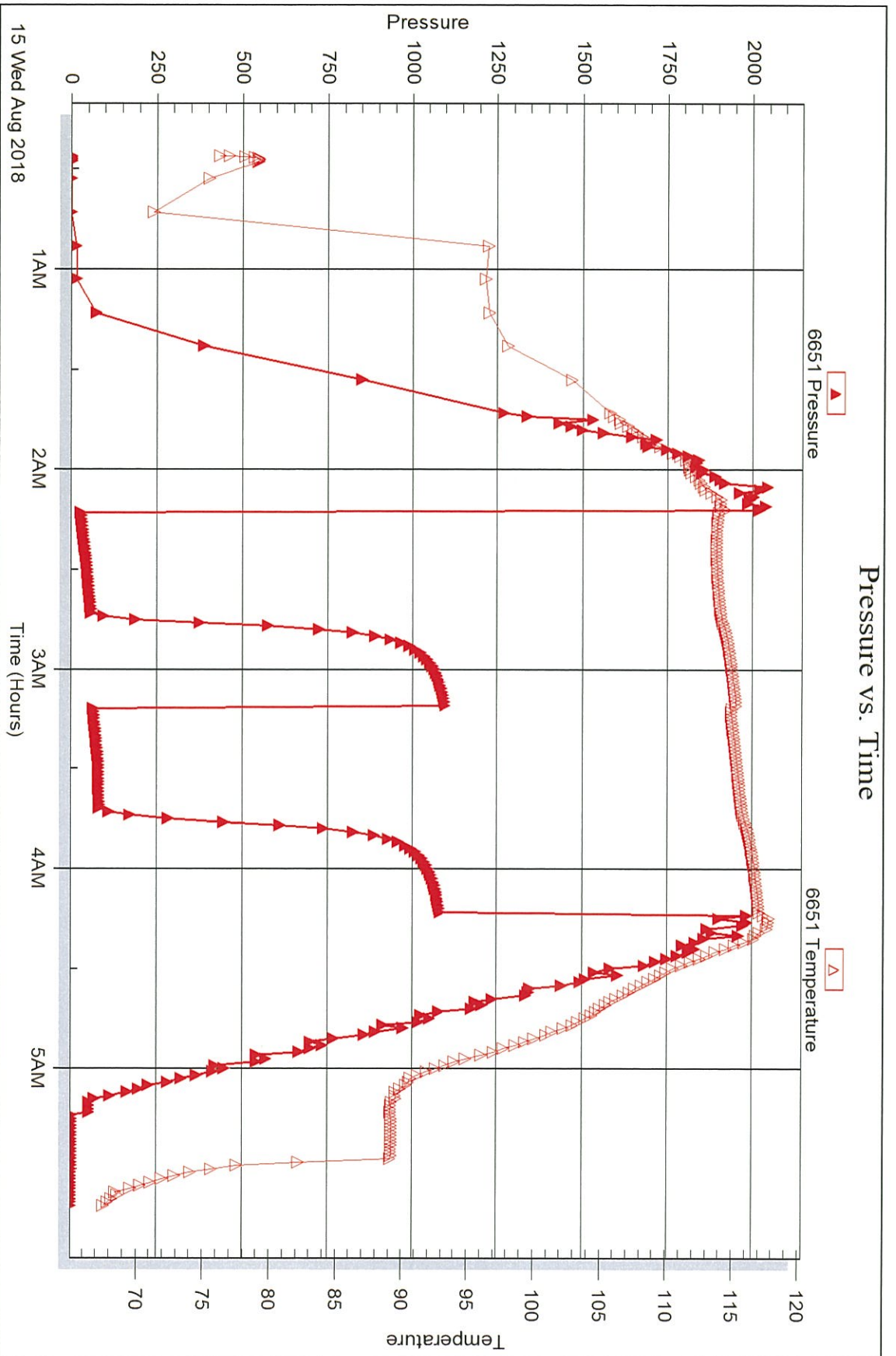
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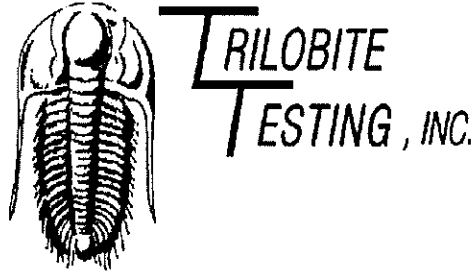
Inside

Palomino Petroleum Inc

Cass #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Cass #1

6-14s-36w Gove,KS

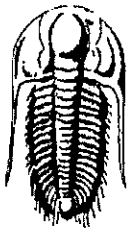
Start Date: 2018.08.17 @ 09:32:25

End Date: 2018.08.17 @ 15:19:55

Job Ticket #: 63909 DST #: 2

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

Printed: 2018.08.21 @ 11:37:28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
Newton, KS 67114

Cass #1

Job Ticket: 63909

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 09:32:25

GENERAL INFORMATION:

Formation: LKC K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:12:25

Time Test Ended: 15:19:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4144.00 ft (KB) To 4260.00 ft (KB) (TVD)

Total Depth: 4745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2816.00 ft (KB)

2811.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166

Outside

Press@RunDepth: 185.38 psig @ 4145.00 ft (KB)

Start Date: 2018.08.17

End Date:

2018.08.17

Start Time: 09:32:30

End Time:

15:19:54

Capacity: 8000.00 psig

Last Calib.: 2018.08.17

Time On Btm: 2018.08.17 @ 11:10:55

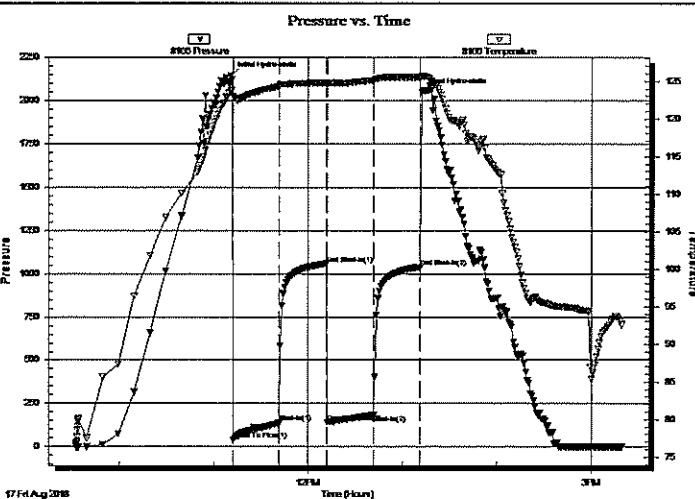
Time Off Btm: 2018.08.17 @ 13:12:25

TEST COMMENT: IF: 1/2" blow built to 9 1/2"

IS: No return.

FF: Surface blow built to 7 1/2"

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2146.42	123.74	Initial Hydro-static
2	41.25	123.05	Open To Flow (1)
31	138.62	124.35	Shut-In(1)
61	1056.37	124.80	End Shut-In(1)
62	141.63	124.55	Open To Flow (2)
91	185.38	125.12	Shut-In(2)
121	1038.19	125.53	End Shut-In(2)
122	2051.02	125.77	Final Hydro-static

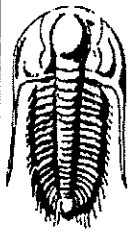
Recovery

Length (ft)	Description	Volume (bbl)
189.00	mcw 60%w 40%m	1.54
166.00	mud 100%m	2.33

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63909

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 09:32:25

GENERAL INFORMATION:

Formation: LKC K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:12:25

Time Test Ended: 15:19:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4144.00 ft (KB) To 4260.00 ft (KB) (TVD)

Total Depth: 4745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2816.00 ft (KB)

2811.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8650 Below (Straddle)

Press@RunDepth: psig @ 4738.00 ft (KB)

Start Date: 2018.08.17

End Date: 2018.08.17

Start Time: 09:32:35

End Time: 15:21:29

Capacity: 8000.00 psig

Last Calib.: 2018.08.17

Time On Btm:

Time Off Btm:

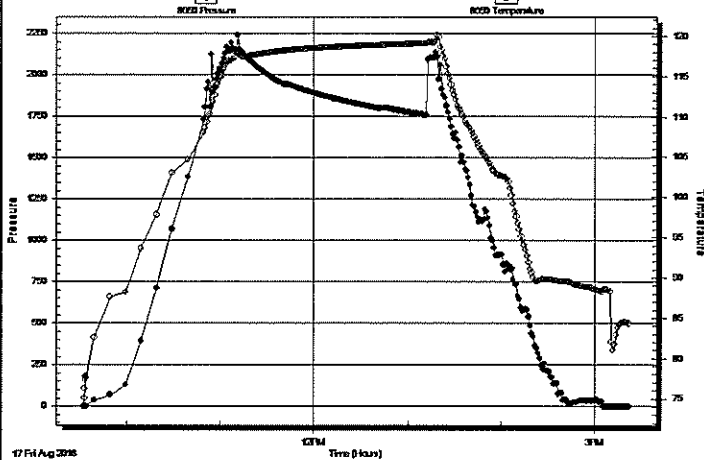
TEST COMMENT: IF: 1/2" blow built to 9 1/2"

IS: No return.

FF: Surface blow built to 7 1/2"

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

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

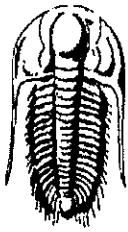
Recovery

Length (ft)	Description	Volume (bbt)
189.00	mcw 60%w 40%m	1.54
166.00	mud 100%m	2.33

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63909

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 09:32:25

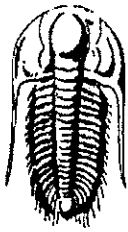
Tool Information

Drill Pipe:	Length: 4010.00 ft	Diameter: 3.80 inches	Volume: 56.25 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: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 56.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4144.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	600.00 ft			
Tool Length:	622.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			4123.00	
Shut In Tool	5.00			4128.00	
Hydraulic tool	5.00			4133.00	
Safety Joint	2.00			4135.00	
Packer	5.00			4140.00	22.00 Bottom Of Top Packer
Packer	4.00			4144.00	
Stubb	1.00			4145.00	
Recorder	0.00	6651	Inside	4145.00	
Recorder	0.00	8166	Outside	4145.00	
Perforations	2.00			4147.00	
Change Over Sub	1.00			4148.00	
Drill Pipe	95.00			4243.00	
Change Over Sub	1.00			4244.00	
Perforations	5.00			4249.00	
Blank Off Sub	1.00			4250.00	
Packer - Shale	5.00			4255.00	
Packer - Shale	4.00			4259.00	
Stubb	1.00			4260.00	
Perforations	1.00			4261.00	
Change Over Sub	1.00			4262.00	
Drill Pipe	476.00			4738.00	
Recorder	0.00	8650	Below	4738.00	
Change Over Sub	1.00			4739.00	
Bullnose	5.00			4744.00	600.00 Bottom Packers & Anchor
Total Tool Length:	622.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63909

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 09:32:25

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 19500 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1900.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	mcw 60%w 40%m	1,540
166.00	mud 100%m	2,329

Total Length: 355.00 ft Total Volume: 3,869 bbl

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

Laboratory Name: Laboratory Location:

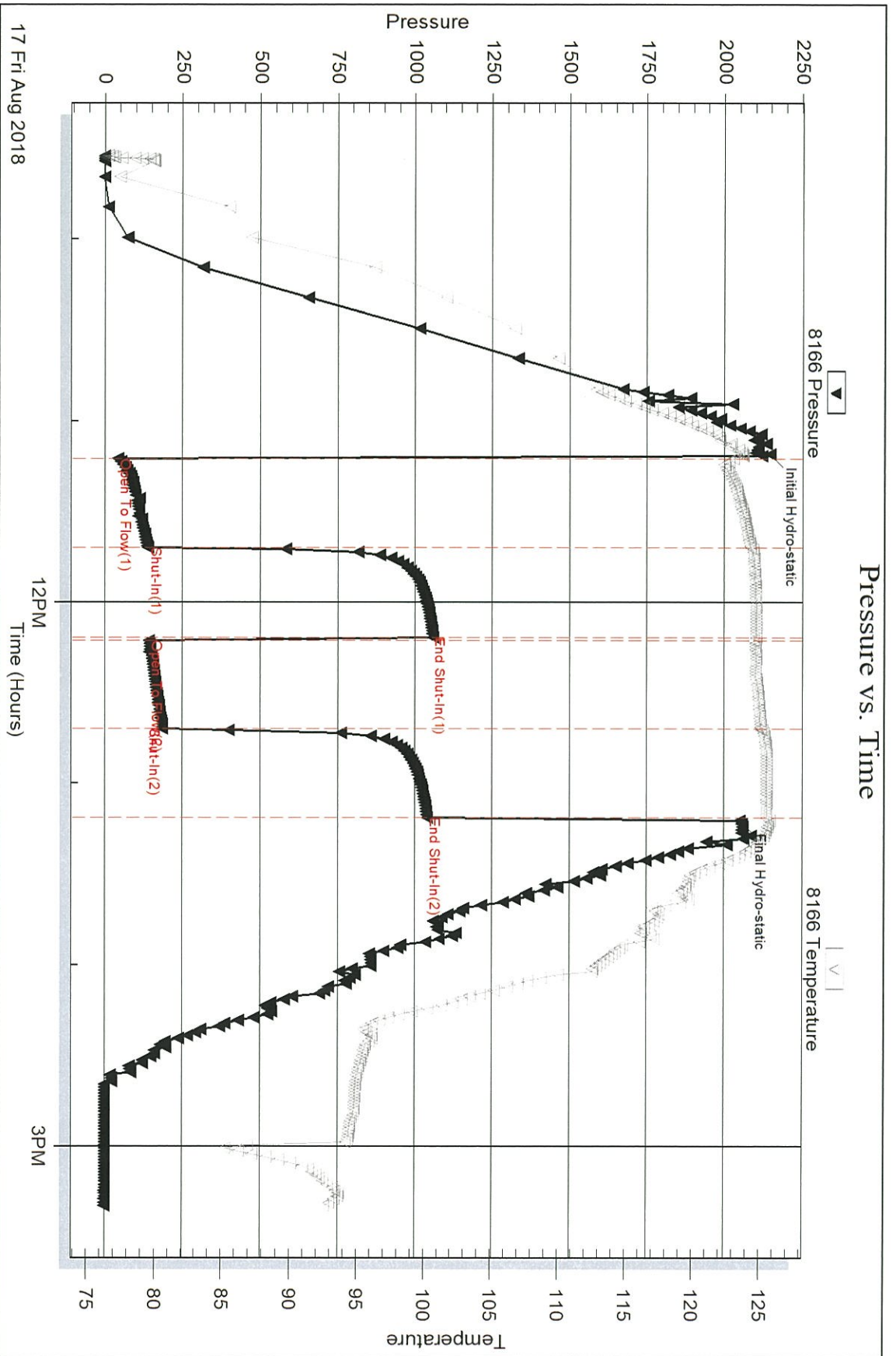
Recovery Comments: .26@91=19500

Serial #: 8166

Outside Palomino Petroleum Inc

Cass #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63909

Printed: 2018.08.21 @ 11:37:30

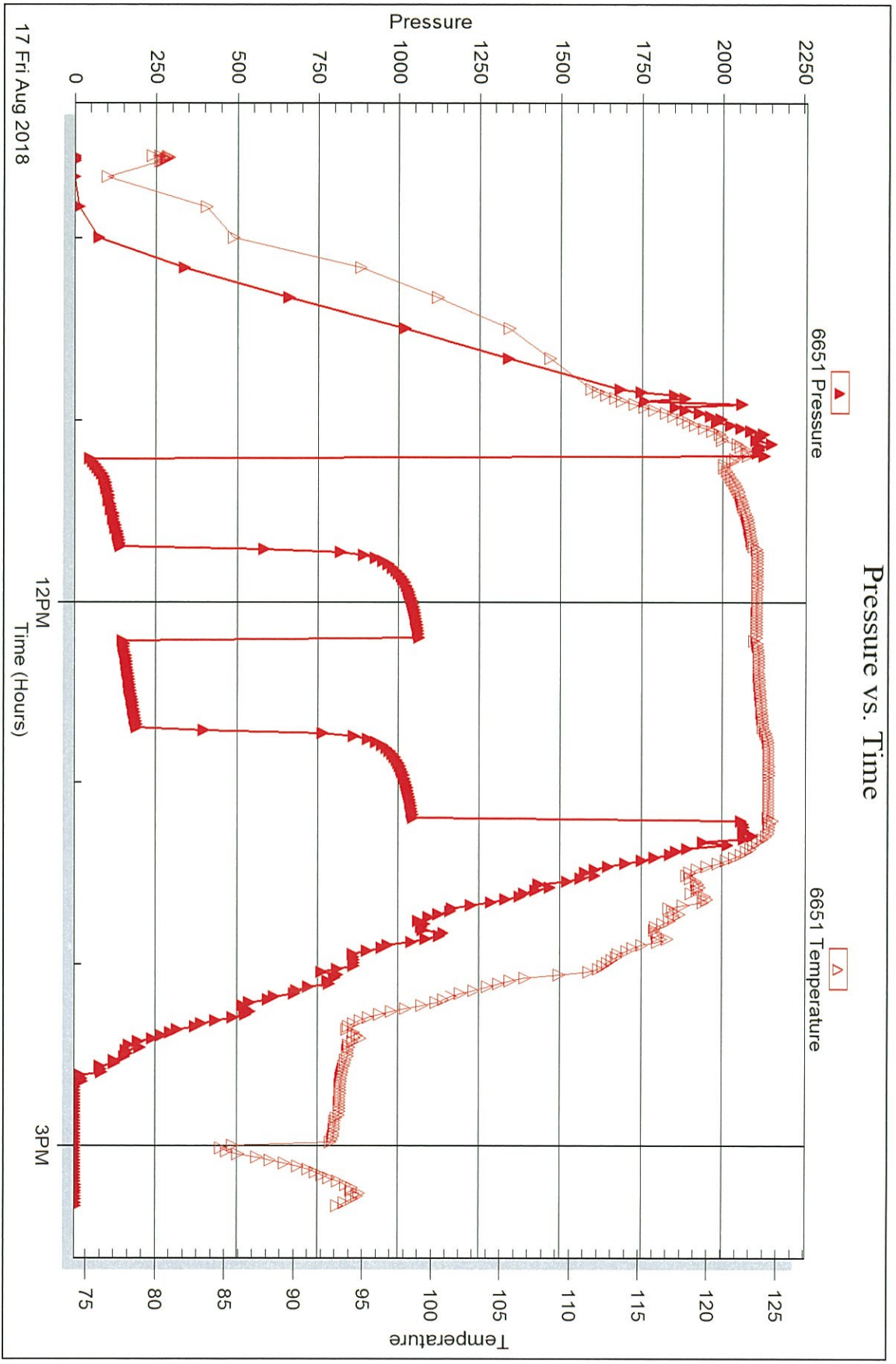
Serial #: 6651

Inside

Palomino Petroleum Inc

Cass #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63909

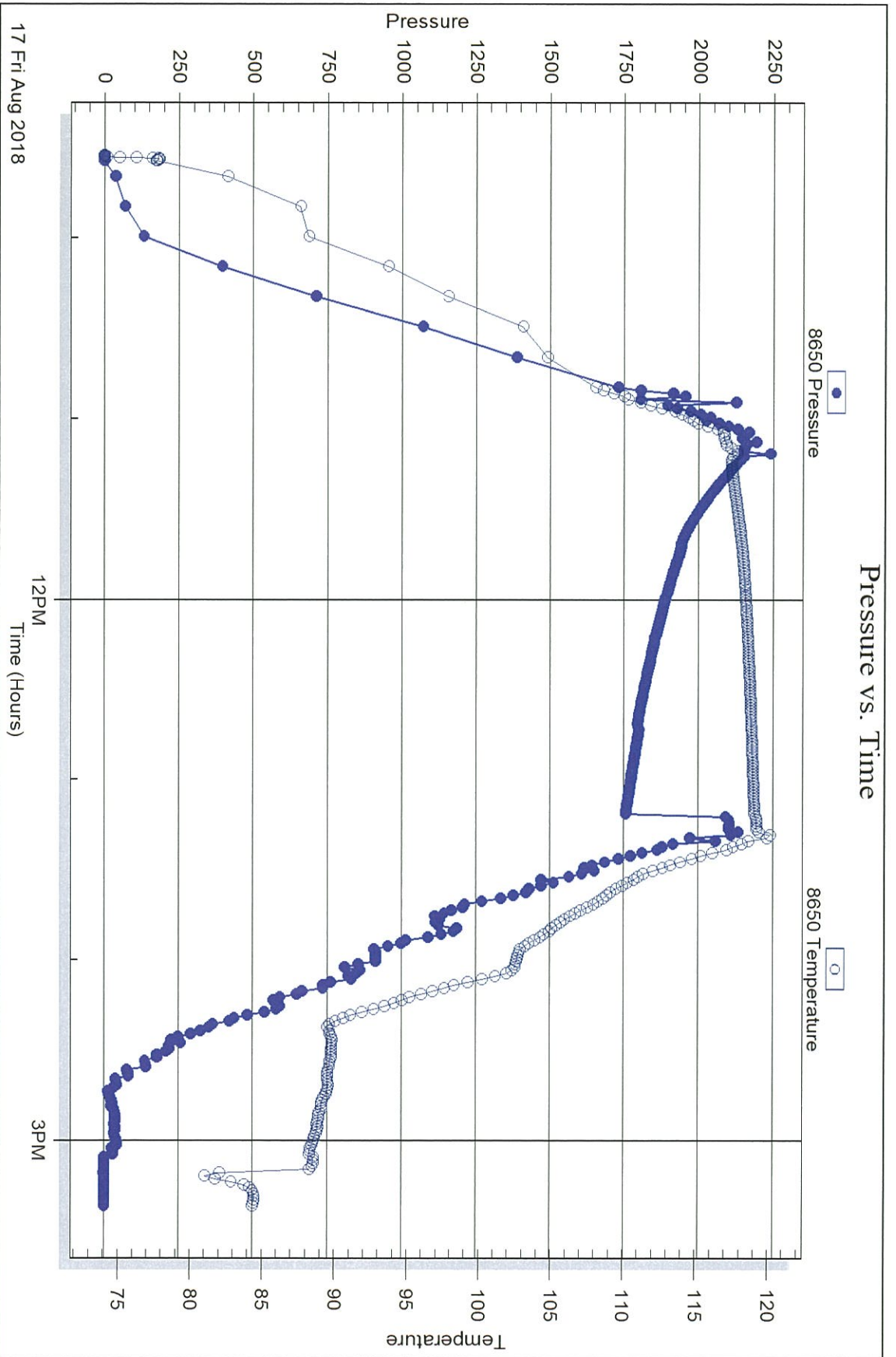
Printed: 2018.08.21 @ 11:37:30

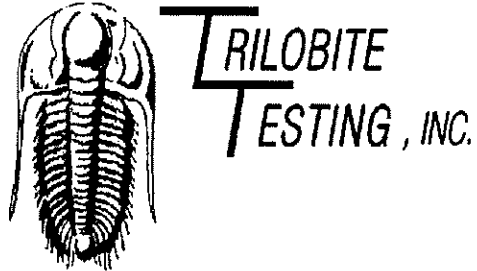
Serial #: 8650

Below (Stratton) Petroleum Inc

Class #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Cass #1

6-14s-36w Gove,KS

Start Date: 2018.08.17 @ 15:55:30

End Date: 2018.08.17 @ 21:56:00

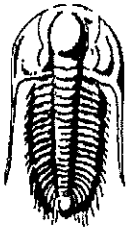
Job Ticket #: 63910 DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.08.21 @ 11:36:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 15:55:30

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:00

Time Test Ended: 21:56:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4225.00 ft (KB) To 4610.00 ft (KB) (TVD)**

Reference Elevations: 2816.00 ft (KB)

Total Depth: 4745.00 ft (KB) (TVD)

2811.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 203.71 psig @ 4226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.08.17

End Date:

2018.08.17

Last Calib.: 2018.08.17

Start Time: 15:55:35

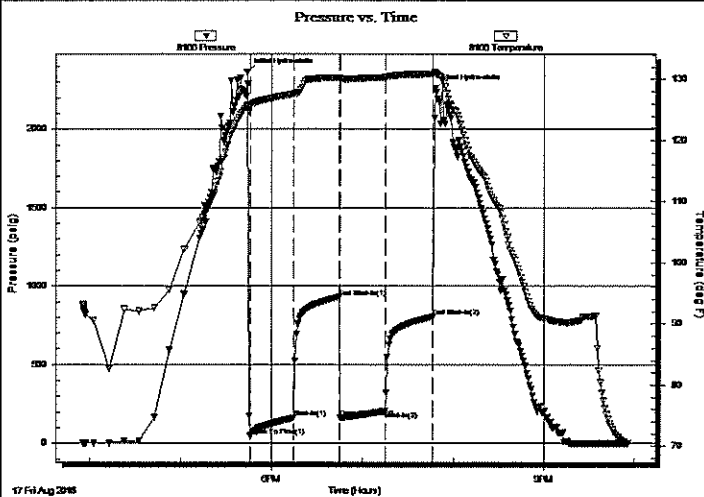
End Time:

21:55:59

Time On Btm: 2018.08.17 @ 17:44:00

Time Off Btm: 2018.08.17 @ 19:48:00

TEST COMMENT: IF: 3/4" blow BOB in 20 mins. 12 1/4"
IS: No return.
FF: Surface blow built to 7 3/4"
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2364.67	125.63	Initial Hydro-static
2	44.65	125.67	Open To Flow (1)
31	159.66	127.57	Shut-In(1)
61	930.82	130.26	End Shut-In(1)
62	162.14	130.03	Open To Flow (2)
91	203.71	130.29	Shut-In(2)
123	804.46	130.85	End Shut-In(2)
124	2258.86	130.97	Final Hydro-static

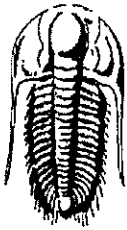
Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 80%w 20%m	0.66
126.00	w cm 20%w 80%m	1.77
136.00	mud 100%m	1.91

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 15:55:30

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:00

Time Test Ended: 21:56:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4225.00 ft (KB) To 4610.00 ft (KB) (TVD)**

Reference Elevations: **2816.00 ft (KB)**

Total Depth: **4745.00 ft (KB) (TVD)**

2811.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: Good

KB to GR/CF: **5.00 ft**

Serial #: 6651

Inside

Press@RunDepth: psig @ 4226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.08.17

End Date:

2018.08.17

Last Calib.: 2018.08.17

Start Time: 15:55:40

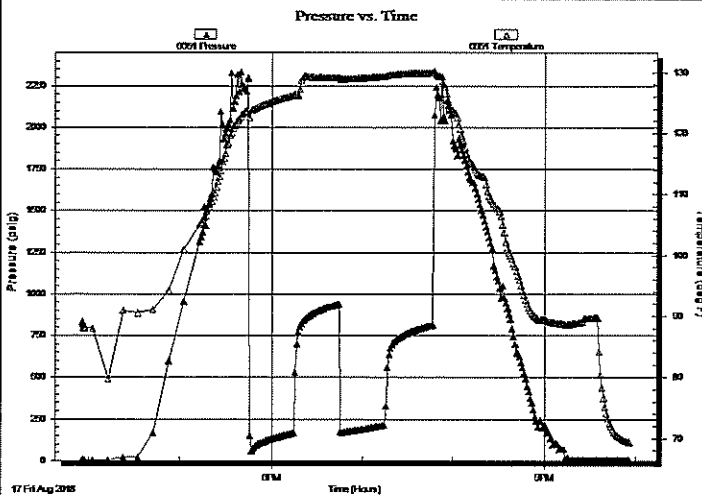
End Time:

21:56:04

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 3/4" blow BOB in 20 mins. 12 1/4"
IS: No return.
FF: Surface blow built to 7 3/4"
FS: No return.



PRESSURE SUMMARY

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

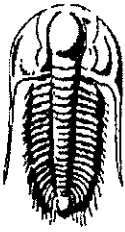
Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 80%w 20%m	0.66
126.00	w cm 20%w 80%m	1.77
136.00	mud 100%m	1.91

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 15:55:30

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:00

Time Test Ended: 21:56:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4225.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 2816.00 ft (KB)

Total Depth: 4745.00 ft (KB) (TVD)

2811.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8650 Below (Straddle)

Press@RunDepth: psig @ 4540.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.08.17

End Date:

2018.08.17

Last Calib.:

2018.08.17

Start Time: 15:55:24

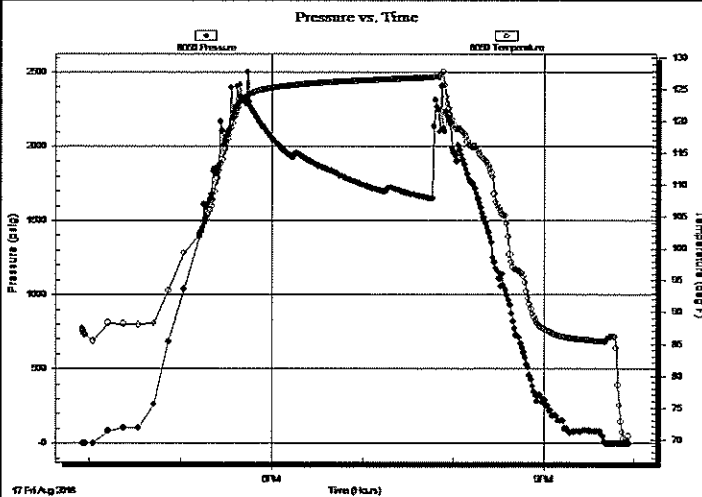
End Time:

21:56:18

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 3/4" blow BOB in 20 mins. 12 1/4"
IS: No return.
FF: Surface blow built to 7 3/4"
FS: No return.



PRESSURE SUMMARY

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

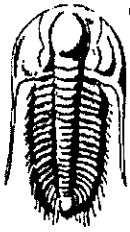
Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 80%w 20%m	0.66
126.00	w cm 20%w 80%m	1.77
136.00	mud 100%m	1.91

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

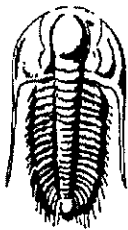
Test Start: 2018.08.17 @ 15:55:30

Tool Information

Drill Pipe:	Length: 4080.00 ft	Diameter: 3.80 inches	Volume: 57.37 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: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 57.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4225.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	321.00 ft			
Tool Length:	343.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4204.00	
Shut In Tool	5.00			4209.00	
Hydraulic tool	5.00			4214.00	
Safety Joint	2.00			4216.00	
Packer	5.00			4221.00	22.00 Bottom Of Top Packer
Packer	4.00			4225.00	
Stubb	1.00			4226.00	
Recorder	0.00	6651	Inside	4226.00	
Recorder	0.00	8166	Outside	4226.00	
Perforations	5.00			4231.00	
Change Over Sub	1.00			4232.00	
Drill Pipe	158.00			4390.00	
Change Over Sub	1.00			4391.00	
Perforations	10.00			4401.00	
Blank Off Sub	1.00			4402.00	
Packer - Shale	5.00			4407.00	
Packer - Shale	4.00			4411.00	
Stubb	1.00			4412.00	
Perforations	1.00			4413.00	
Change Over Sub	1.00			4414.00	
Drill Pipe	126.00			4540.00	
Recorder	0.00	8650	Below	4540.00	
Change Over Sub	1.00			4541.00	
Bullnose	5.00			4546.00	321.00 Bottom Packers & Anchor
Total Tool Length:	343.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

6-14s-36w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 15:55:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 80%w 20%m	0.656
126.00	w cm 20%w 80%m	1.767
136.00	mud 100%m	1.908

Total Length: 388.00 ft Total Volume: 4.331 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .39@77=15000

Serial #: 8166

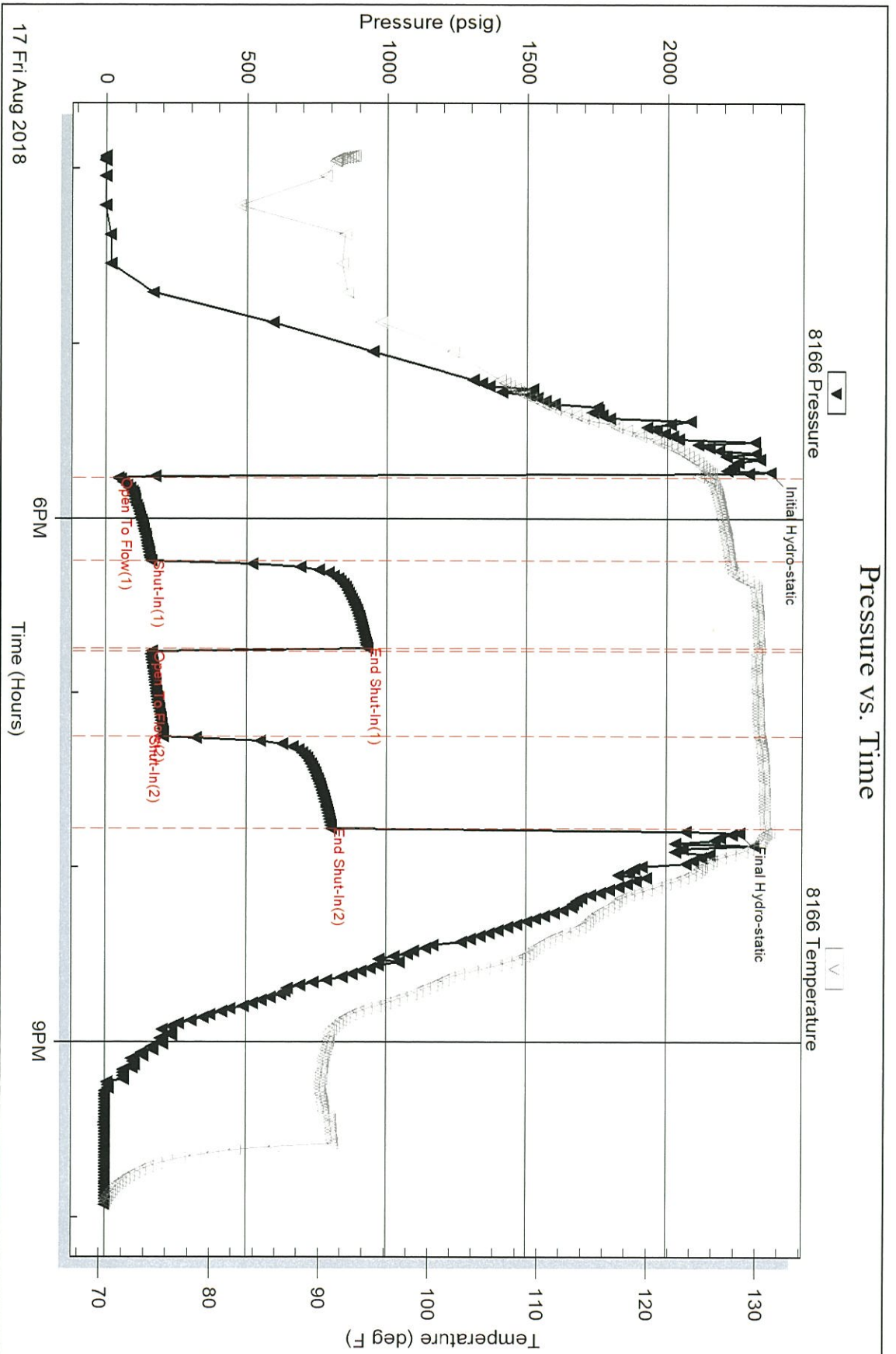
Outside

Palomino Petroleum Inc

Cass #1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63910

Printed: 2018.08.21 @ 11:36:39

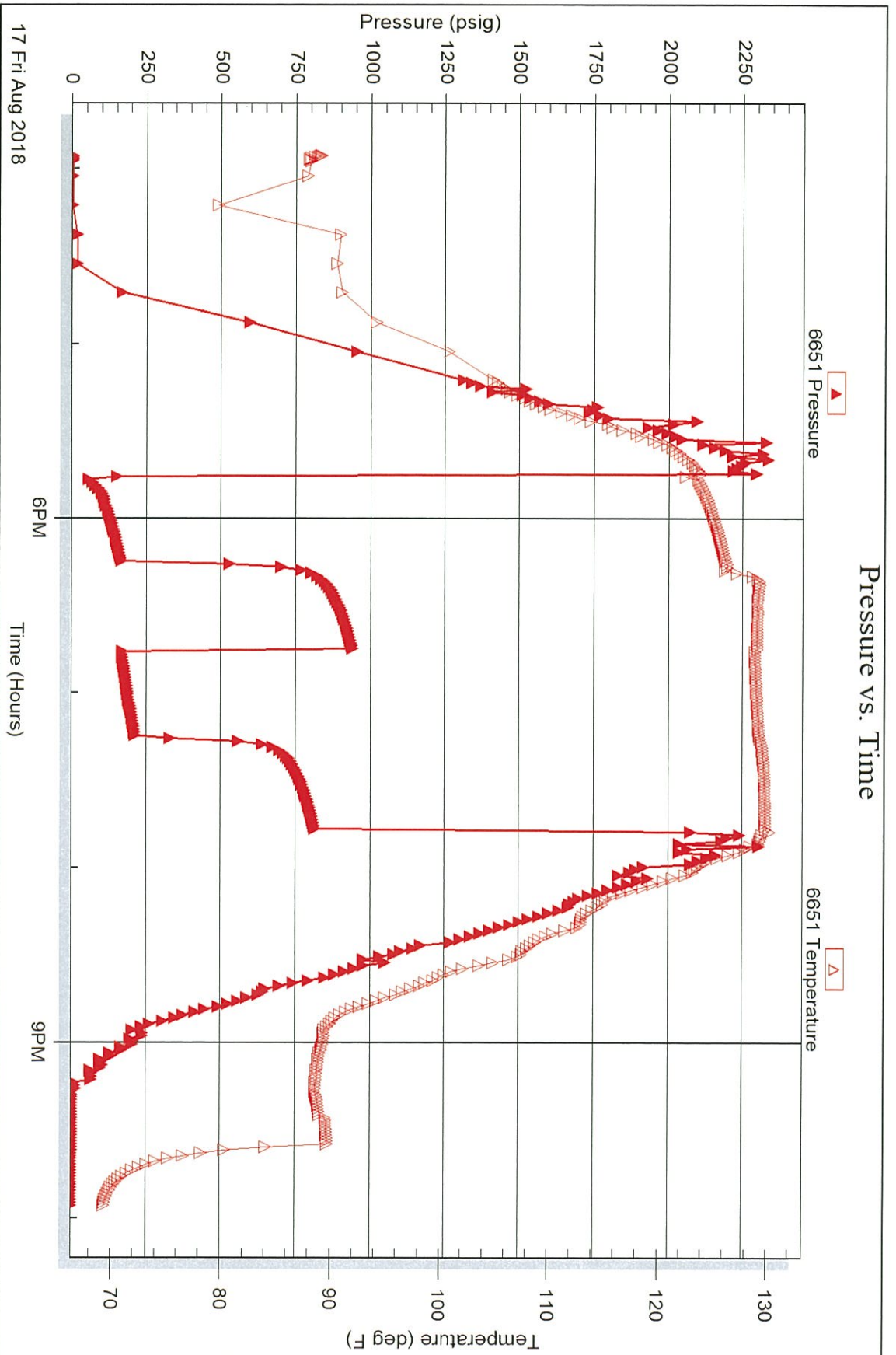
Serial #: 6651

Inside

Palomino Petroleum Inc

Cass #1

DST Test Number: 3



17 Fri Aug 2018

Trilobite Testing, Inc

Ref. No: 63910

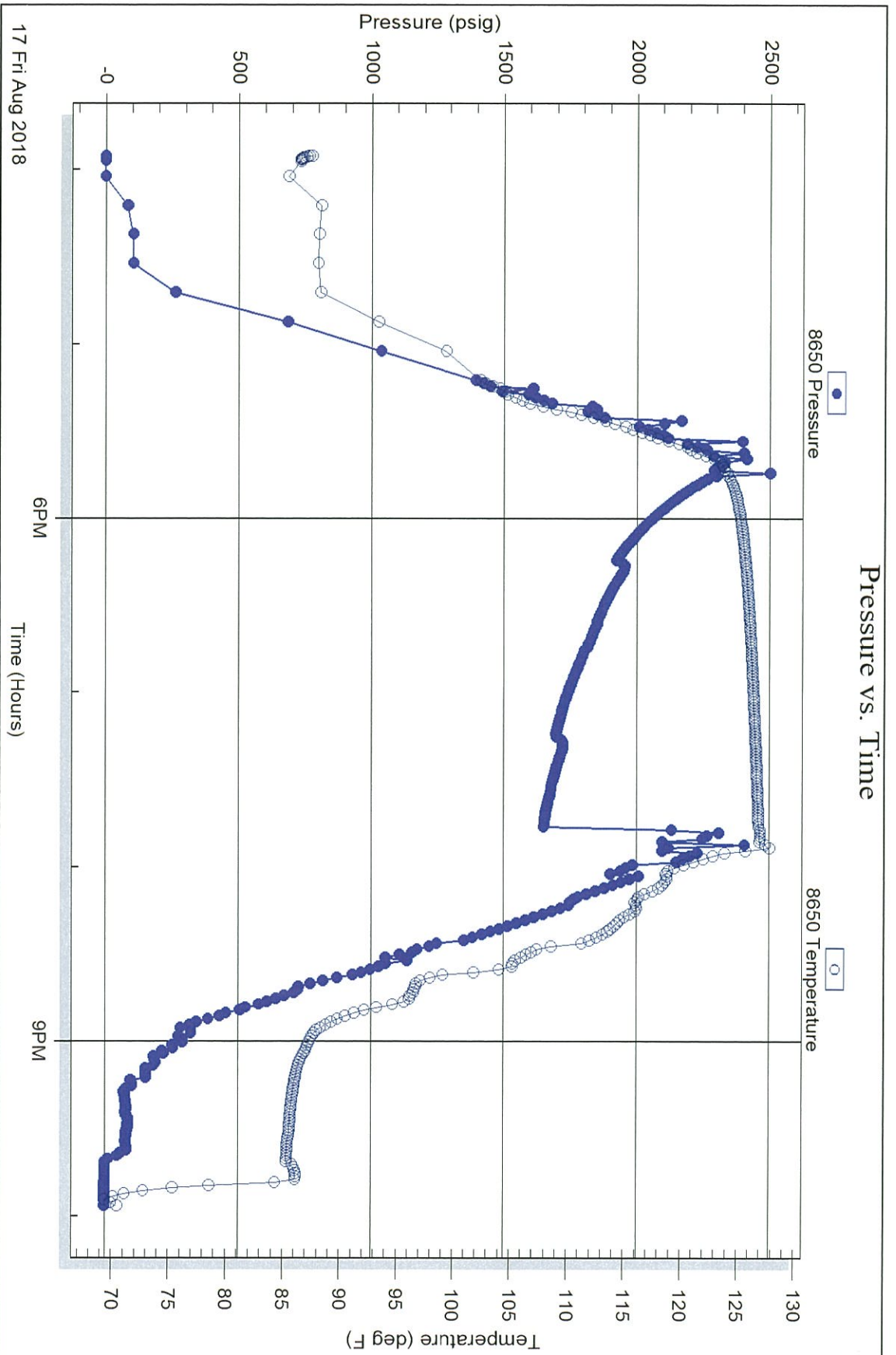
Printed: 2018:08:21 @ 11:36:39

Serial #: 8650

Below (Str ~~attery~~) Petroleum Inc

Case #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63908**

Well Name & No. C955 #1 Test No. 1 Date 8-14-18
 Company Palomino Petroleum Inc Elevation 2816 KB 2811 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 6 Twp. 14S Rge. 36W Co. Gove State KS

Interval Tested 4050 4152 Zone Tested H-I
 Anchor Length 102 Drill Pipe Run 3905 Mud Wt. 9.2
 Top Packer Depth 4045 Drill Collars Run 122 Vis 61
 Bottom Packer Depth 4050 Wt. Pipe Run --- WL 7.2
 Total Depth 4152 Chlorides 2300 ppm System LCM 1

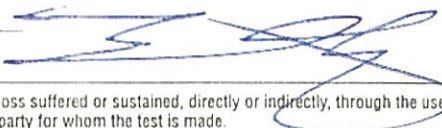
Blow Description IF: 3/4 blow built to 3/4.
IS: No return.
FF: Surface blow built to 2/4.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>		<u>100</u>		
<u>132</u>	<u>OCM</u>	<u>5</u>		<u>95</u>	

Rec Total 133 BHT 118 Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 2038 Test 1150 T-On Location 23:15
 (B) First Initial Flow 22 Jars 250 T-Started 00:25
 (C) First Final Flow 52 Safety Joint 75 T-Open 2:11
 (D) Initial Shut-In 1090 Circ Sub N/C T-Pulled 4:11
 (E) Second Initial Flow 60 Hourly Standby _____ T-Out 5:40
 (F) Second Final Flow 77 Mileage 84 84 Comments _____
 (G) Final Shut-In 1075 Sampler _____
 (H) Final Hydrostatic 1982 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Shale Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 30 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1559 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. **63909**

Well Name & No. C955 #1 Test No. 2 Date 8-17-18
 Company Pyromino Petroleum Elevation 2816 KB 2811 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 6 Twp. 14S Rge. 36W Co. Gove State KS


Interval Tested 4144 4260 Zone Tested Lensing - K
 Anchor Length _____ 116 Drill Pipe Run 4010 Mud Wt. 9.4
 Top Packer Depth _____ 4144 Drill Collars Run 122 Vis 57
 Bottom Packer Depth _____ 4260 Wt. Pipe Run _____ WL 6.4
 Total Depth _____ 4745 Chlorides 1900 ppm System LCM 1

Blow Description IF: 1/2 blow built to 9 1/2,
IS: NO return.
FF: Surface blow built to 7 1/2,
FS: NO return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>166</u>	<u>mud</u>			<u>100</u>	
<u>189</u>	<u>MCW</u>		<u>60</u>	<u>40</u>	
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 355 BHT 125 Gravity _____ API RW .26 @ 91 °F Chlorides 19,500 ppm

(A) Initial Hydrostatic 2146 Test 1150 T-On Location 8:45
 (B) First Initial Flow 41 Jars 250 T-Started 9:32
 (C) First Final Flow 138 Safety Joint 75 T-Open 11:11
 (D) Initial Shut-In 1056 Circ Sub N/L T-Pulled 13:11
 (E) Second Initial Flow 141 Hourly Standby _____ T-Out 15:20
 (F) Second Final Flow 185 Mileage 84 - 84 Comments _____
 (G) Final Shut-In 1038 Sampler _____
 (H) Final Hydrostatic 2051 Straddle 600 Ruined Shale Packer _____
 Shale Packer X2 500 Ruined Packer _____
 Extra Packer 200 Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 2859
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 2859

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. **63910**

Well Name & No. C955 #1 Test No. 3 Date 8-17-18
 Company Palomino Petroleum Elevation 2816 KB 2811 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW#10
 Location: Sec. 6 Twp. 14S Rge. 36W Co. Gove State KS

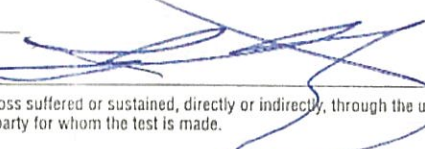
Interval Tested 4225 4610 Zone Tested Morrow Sand
 Anchor Length _____ 185 Drill Pipe Run 4090 Mud Wt. 9.4
 Top Packer Depth _____ 4225 Drill Collars Run 122 Vis 57
 Bottom Packer Depth _____ 4610 Wt. Pipe Run _____ WL 6.4
 Total Depth _____ 4745 Chlorides 1900 ppm System LCM 1

Blow Description IF: 3/4 blow BoB in 20 min. 12 1/4.
IS: No return.
FF: surface blow built to 7 3/4.
FS: NO return.

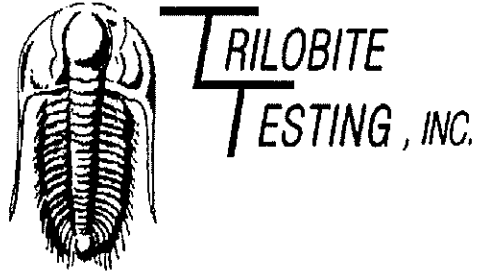
Rec	Feet of	%gas	%oil	%water	%mud
<u>136</u>	<u>mud</u>			<u>100</u>	
<u>126</u>	<u>WLM</u>		<u>20</u>	<u>80</u>	
<u>126</u>	<u>MCLW</u>		<u>80</u>	<u>20</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 388 BHT 130 Gravity _____ API RW .39 @ 77 °F Chlorides 15,000 ppm

(A) Initial Hydrostatic <u>2364</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>8:45</u>
(B) First Initial Flow <u>44</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:55</u>
(C) First Final Flow <u>159</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>17:44</u>
(D) Initial Shut-In <u>930</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>19:44</u>
(E) Second Initial Flow <u>162</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:00</u>
(F) Second Final Flow <u>203</u>	<input type="checkbox"/> Mileage _____	Comments _____
(G) Final Shut-In <u>804</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2258</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>K2</u> <u>500</u>	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Extra Packer <u>200</u>	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>2775</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>2775</u>	

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.



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Cass #1

6-14s-36w Gove,KS

Start Date: 2018.08.15 @ 00:25:04

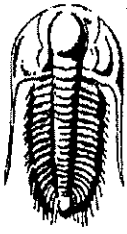
End Date: 2018.08.15 @ 05:40:04

Job Ticket #: 63908 DST #: 1

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

Printed: 2018.08.21 @ 11:37:58

Palomino Petroleum Inc
6-14s-36w Gove,KS
Cass #1
DST # 1
LKC H-1
2018.08.15



TRILLOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St.
 Newton, KS 67114
 ATTN: Ryan Seib

6-14s-36w Gove, KS

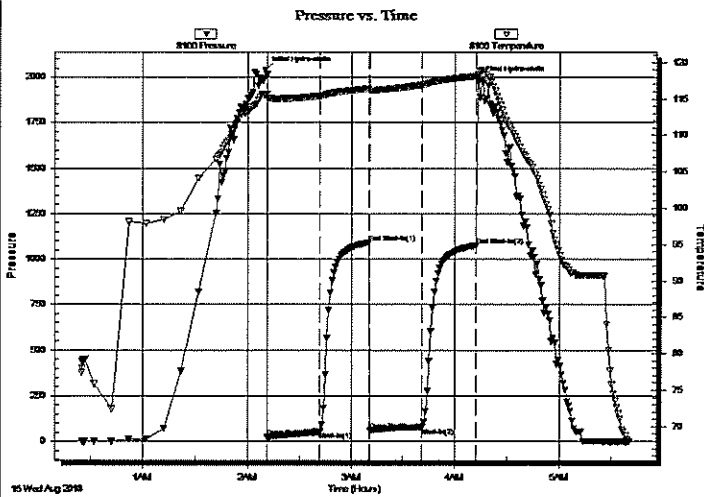
Cass #1
 Job Ticket: 63908 **DST#: 1**
 Test Start: 2018.08.15 @ 00:25:04

GENERAL INFORMATION:

Formation: LKC H-I
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:11:34
 Time Test Ended: 05:40:04
 Interval: 4050.00 ft (KB) To 4152.00 ft (KB) (TVD)
 Total Depth: 4152.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2816.00 ft (KB)
 2811.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 77.04 psig @ 4051.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.08.15 End Date: 2018.08.15 Last Calib.: 2018.08.15
 Start Time: 00:25:09 End Time: 05:40:03 Time On Btm: 2018.08.15 @ 02:10:04
 Time Off Btm: 2018.08.15 @ 04:13:34

TEST COMMENT: IF: 3/4" blow built to 3 1/4"
 IS: No return.
 FF: Surface blow built to 2 1/4"
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.12	115.51	Initial Hydro-static
2	22.68	115.10	Open To Flow (1)
32	52.69	115.36	Shut-In(1)
60	1090.44	116.37	End Shut-In(1)
61	60.02	116.12	Open To Flow (2)
91	77.04	116.88	Shut-In(2)
122	1075.39	118.09	End Shut-In(2)
124	1982.16	118.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
132.00	ocm 5%o 95% m	0.74
1.00	free oil 100%o	0.01

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St.
 Newton, KS 67114
 ATTN: Ryan Seib

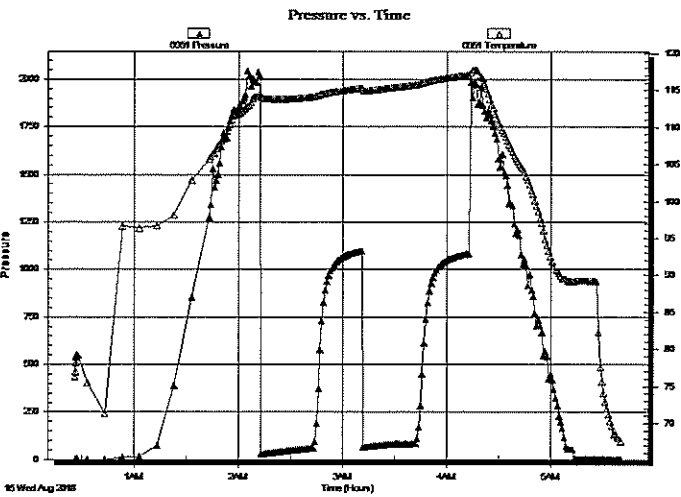
6-14s-36w Gove, KS
Cass #1
 Job Ticket: 63908 **DST#: 1**
 Test Start: 2018.08.15 @ 00:25:04

GENERAL INFORMATION:

Formation: LKC H-I
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:11:34
 Time Test Ended: 05:40:04
 Interval: 4050.00 ft (KB) To 4152.00 ft (KB) (TVD)
 Total Depth: 4152.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2816.00 ft (KB)
 2811.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6651 Inside
 Press@RunDepth: psig @ 4051.00 ft (KB)
 Start Date: 2018.08.15 End Date: 2018.08.15 Capacity: 8000.00 psig
 Start Time: 00:26:01 End Time: 05:40:55 Last Calib.: 2018.08.15
 Time On Btm:
 Time Off Btm:

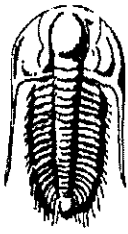
TEST COMMENT: IF: 3/4" blow built to 3 1/4"
 IS: No return.
 FF: Surface blow built to 2 1/4"
 FS: No return.



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

Recovery		
Length (ft)	Description	Volume (bb)
132.00	ocm 5%o 95% m	0.74
1.00	free oil 100%o	0.01

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63908

DST#: 1

ATTN: Ryan Seib

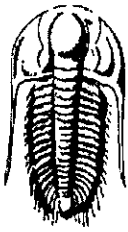
Test Start: 2018.08.15 @ 00:25:04

Tool Information

Drill Pipe:	Length: 3905.00 ft	Diameter: 3.80 inches	Volume: 54.78 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: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 55.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4050.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4024.00	
Shut In Tool	5.00			4029.00	
Hydraulic tool	5.00			4034.00	
Jars	5.00			4039.00	
Safety Joint	2.00			4041.00	
Packer	5.00			4046.00	27.00 Bottom Of Top Packer
Packer	4.00			4050.00	
Stubb	1.00			4051.00	
Recorder	0.00	6651	Inside	4051.00	
Recorder	0.00	8166	Outside	4051.00	
Perforations	1.00			4052.00	
Change Over Sub	1.00			4053.00	
Drill Pipe	93.00			4146.00	
Change Over Sub	1.00			4147.00	
Bullnose	5.00			4152.00	102.00 Bottom Packers & Anchor
Total Tool Length:	129.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63908

DST#: 1

ATTN: Ryan Seib

Test Start: 2018.08.15 @ 00:25:04

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
132.00	ocm 5%o 95%m	0.740
1.00	free oil 100%o	0.014

Total Length: 133.00 ft Total Volume: 0.754 bbl

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

Laboratory Name: Laboratory Location:

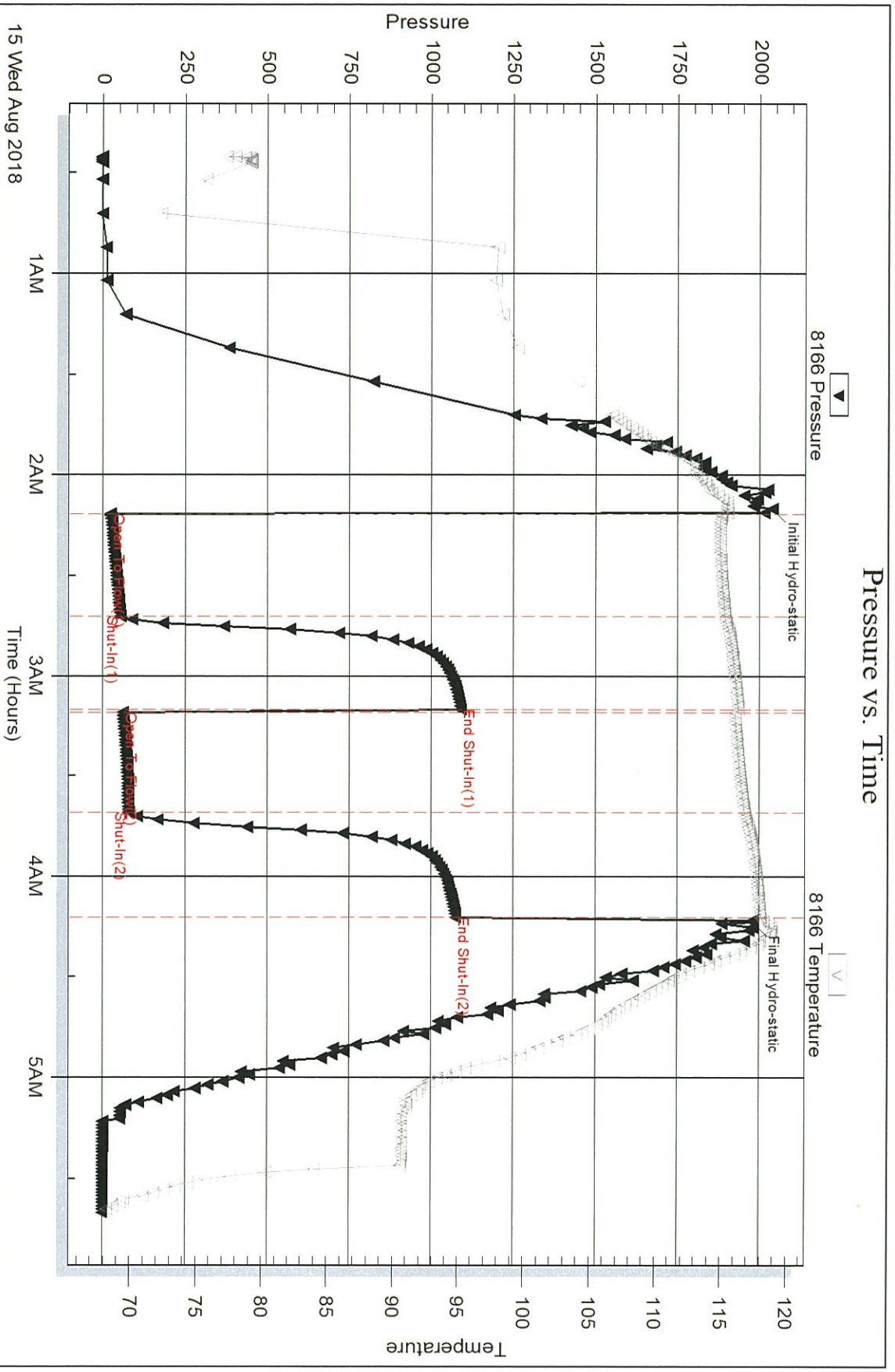
Recovery Comments:

Serial #: 8166

Outside Palomino Petroleum Inc

Cass #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63908

Printed: 2018.08.21 @ 11:37:59

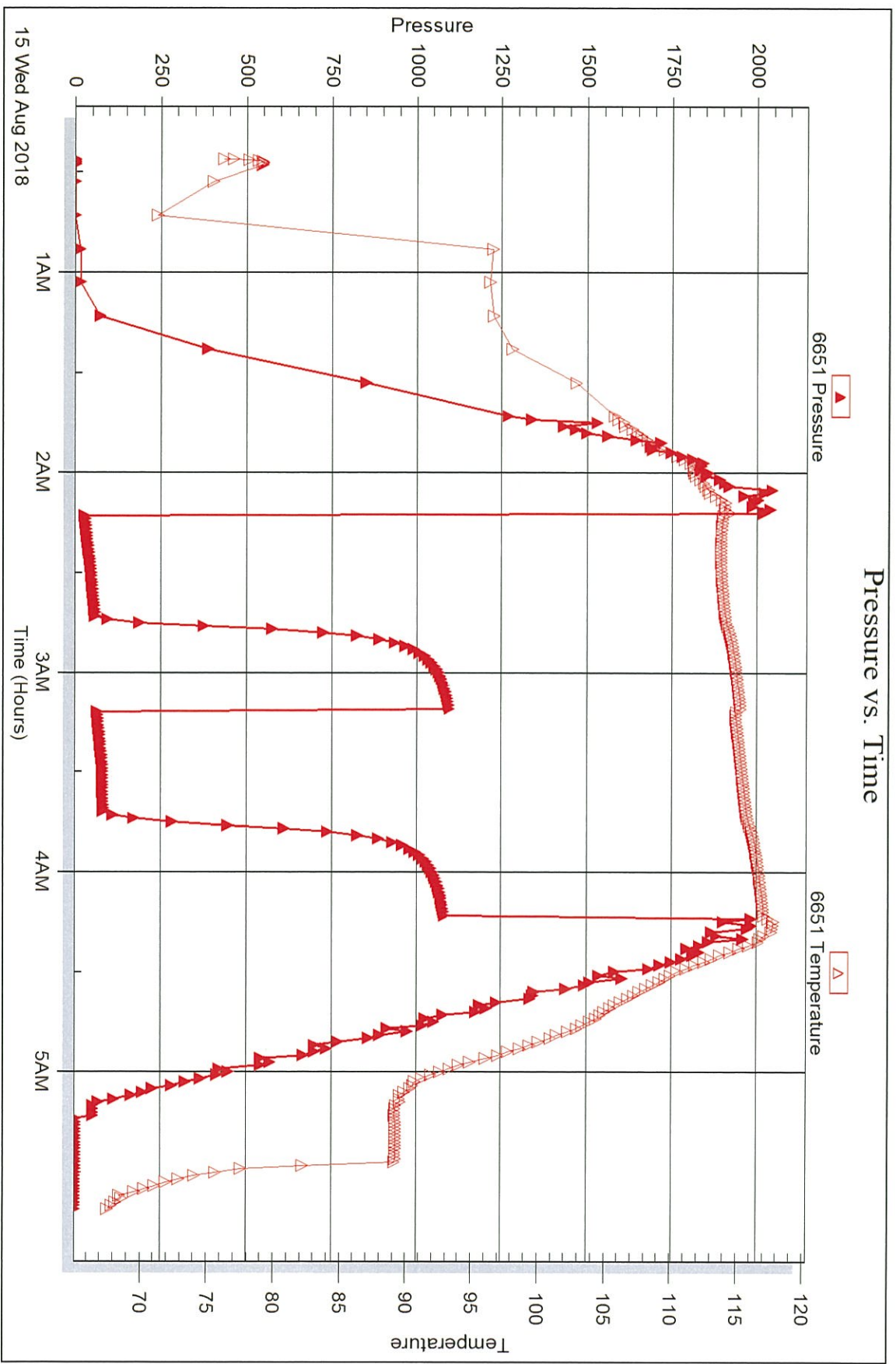
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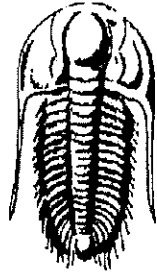
Inside

Palomino Petroleum Inc

Cass #1

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Cass #1

6-14s-36w Gove,KS

Start Date: 2018.08.17 @ 09:32:25

End Date: 2018.08.17 @ 15:19:55

Job Ticket #: 63909 DST #: 2

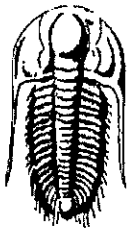
Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.08.21 @ 11:37:28

Palomino Petroleum Inc
6-14s-36w Gove,KS
Cass #1
DST # 2
LKC K
2018.08.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63909

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 09:32:25

GENERAL INFORMATION:

Formation: LKC K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:12:25

Time Test Ended: 15:19:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4144.00 ft (KB) To 4260.00 ft (KB) (TVD)

Total Depth: 4745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2816.00 ft (KB)

2811.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166

Outside

Press@RunDepth: 185.38 psig @ 4145.00 ft (KB)

Start Date: 2018.08.17

End Date:

2018.08.17

Start Time: 09:32:30

End Time:

15:19:54

Capacity: 8000.00 psig

Last Calib.: 2018.08.17

Time On Btm: 2018.08.17 @ 11:10:55

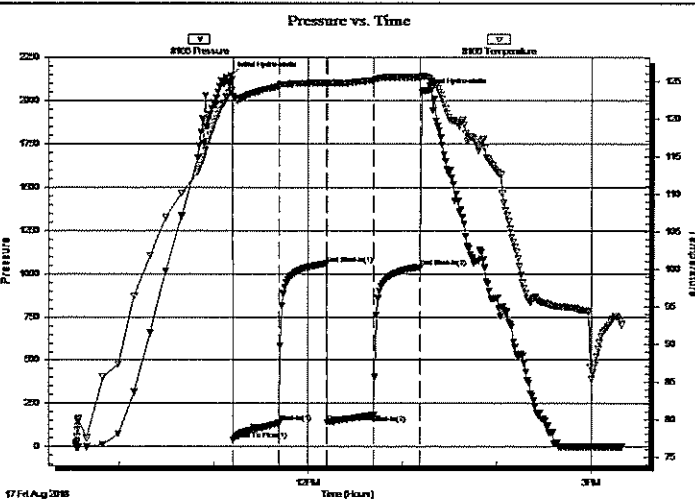
Time Off Btm: 2018.08.17 @ 13:12:25

TEST COMMENT: IF: 1/2" blow built to 9 1/2"

IS: No return.

FF: Surface blow built to 7 1/2"

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2146.42	123.74	Initial Hydro-static
2	41.25	123.05	Open To Flow (1)
31	138.62	124.35	Shut-In(1)
61	1056.37	124.80	End Shut-In(1)
62	141.63	124.55	Open To Flow (2)
91	185.38	125.12	Shut-In(2)
121	1038.19	125.53	End Shut-In(2)
122	2051.02	125.77	Final Hydro-static

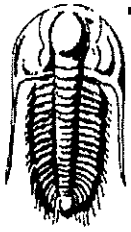
Recovery

Length (ft)	Description	Volume (bbl)
189.00	mcw 60%w 40%m	1.54
166.00	mud 100%m	2.33

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St.
 Newton, KS 67114
 ATTN: Ryan Seib

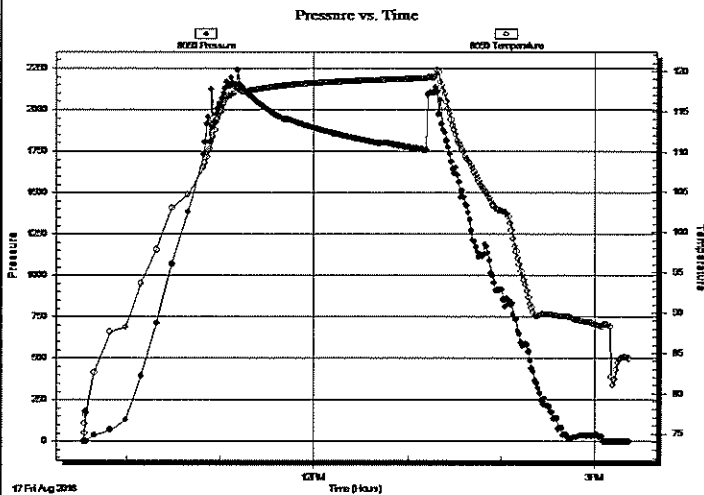
6-14s-36w Gove, KS
Cass #1
 Job Ticket: 63909 **DST#: 2**
 Test Start: 2018.08.17 @ 09:32:25

GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **11:12:25**
 Time Test Ended: **15:19:55**
 Interval: **4144.00 ft (KB) To 4260.00 ft (KB) (TVD)**
 Total Depth: **4745.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Brandon Turley**
 Unit No: **79**
 Reference Elevations: **2816.00 ft (KB)**
2811.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8650 Below (Straddle)
 Press@RunDepth: **psig @ 4738.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2018.08.17** End Date: **2018.08.17** Last Calib.: **2018.08.17**
 Start Time: **09:32:35** End Time: **15:21:29** Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/2" blow built to 9 1/2"
 IS: No return.
 FF: Surface blow built to 7 1/2"
 FS: No return.



PRESSURE SUMMARY

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

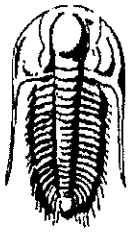
Recovery

Length (ft)	Description	Volume (bbl)
189.00	mcw 60%w 40%m	1.54
166.00	mud 100%m	2.33

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63909

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 09:32:25

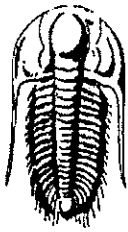
Tool Information

Drill Pipe:	Length: 4010.00 ft	Diameter: 3.80 inches	Volume: 56.25 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: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 56.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4144.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	600.00 ft			
Tool Length:	622.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			4123.00	
Shut In Tool	5.00			4128.00	
Hydraulic tool	5.00			4133.00	
Safety Joint	2.00			4135.00	
Packer	5.00			4140.00	22.00 Bottom Of Top Packer
Packer	4.00			4144.00	
Stubb	1.00			4145.00	
Recorder	0.00	6651	Inside	4145.00	
Recorder	0.00	8166	Outside	4145.00	
Perforations	2.00			4147.00	
Change Over Sub	1.00			4148.00	
Drill Pipe	95.00			4243.00	
Change Over Sub	1.00			4244.00	
Perforations	5.00			4249.00	
Blank Off Sub	1.00			4250.00	
Packer - Shale	5.00			4255.00	
Packer - Shale	4.00			4259.00	
Stubb	1.00			4260.00	
Perforations	1.00			4261.00	
Change Over Sub	1.00			4262.00	
Drill Pipe	476.00			4738.00	
Recorder	0.00	8650	Below	4738.00	
Change Over Sub	1.00			4739.00	
Bullnose	5.00			4744.00	600.00 Bottom Packers & Anchor
Total Tool Length:	622.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63909

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 09:32:25

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 19500 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1900.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	mcw 60%w 40%m	1,540
166.00	mud 100%m	2,329

Total Length: 355.00 ft Total Volume: 3,869 bbl

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

Laboratory Name: Laboratory Location:

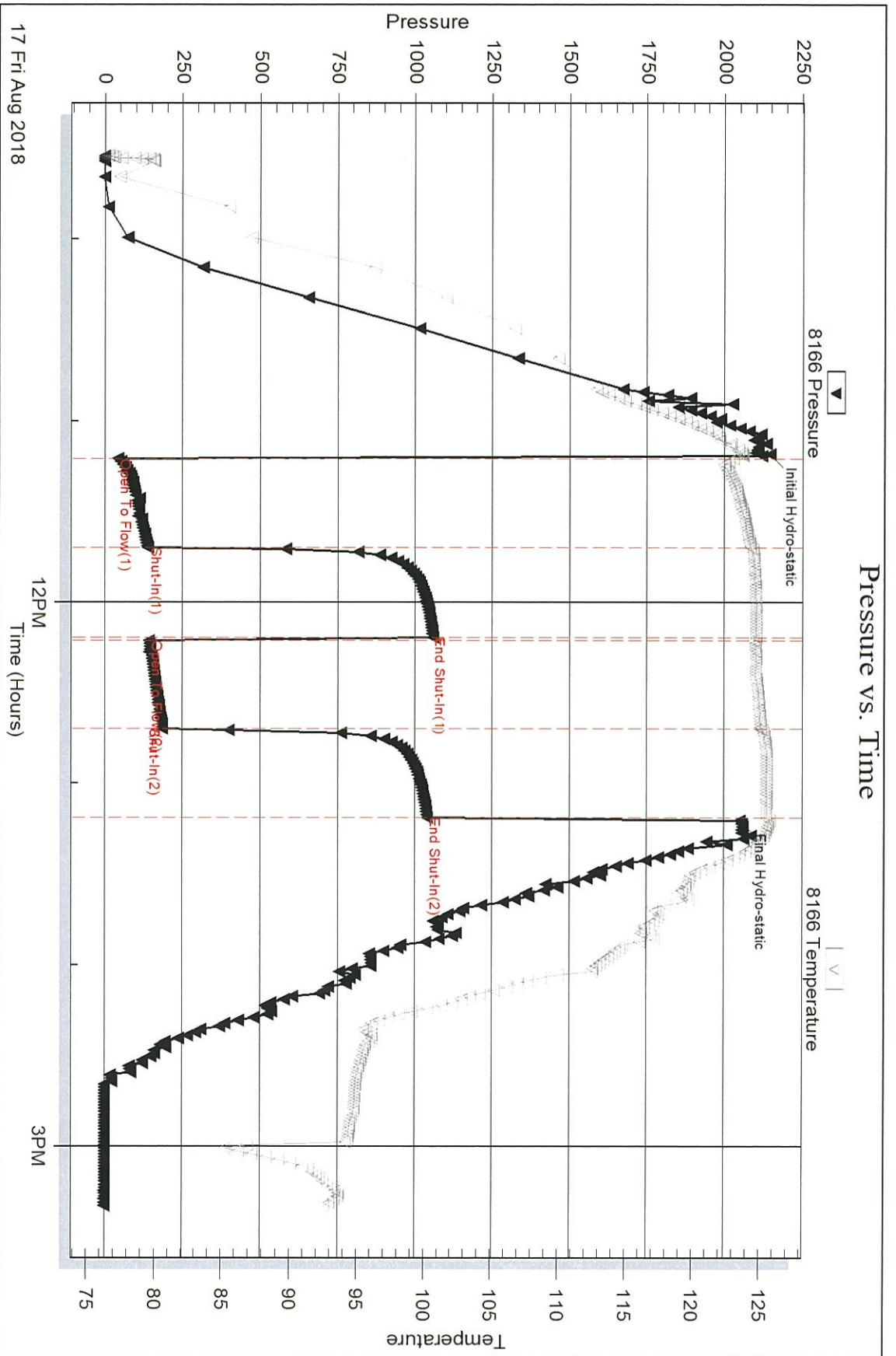
Recovery Comments: .26@91=19500

Serial #: 8166

Outside Palomino Petroleum Inc

Cass #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63909

Printed: 2018.08.21 @ 11:37:30

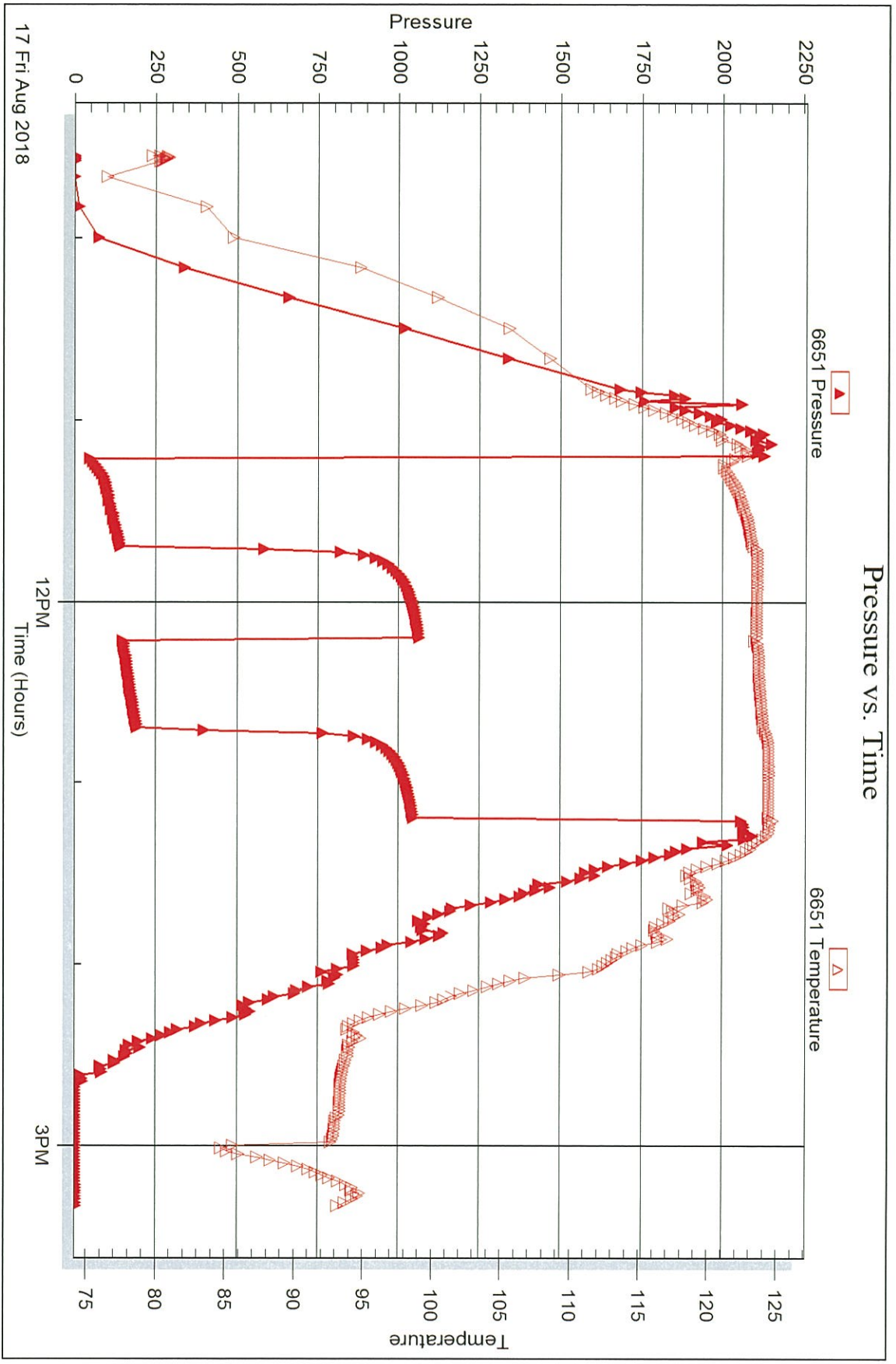
Serial #: 6651

Inside

Palomino Petroleum Inc

Cass #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63909

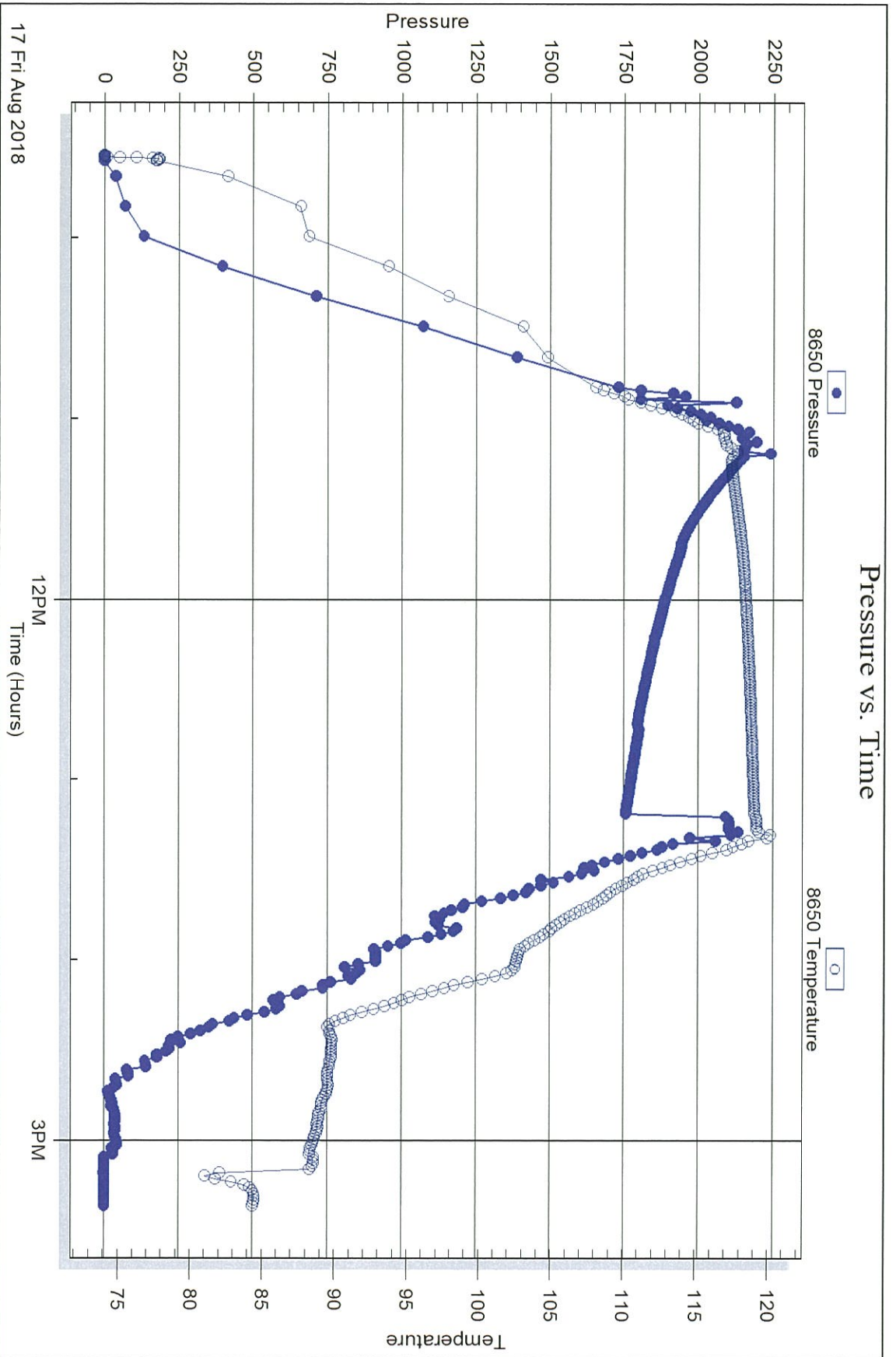
Printed: 2018.08.21 @ 11:37:30

Serial #: 8650

Below (Stratton) Petroleum Inc

Class #1

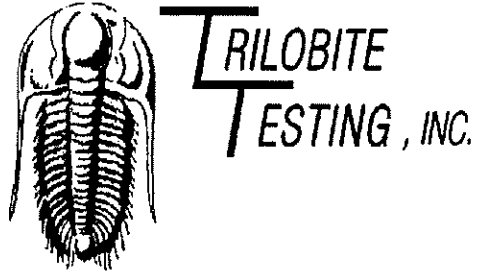
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63909

Printed: 2018.08.21 @ 11:37:30



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Cass #1

6-14s-36w Gove,KS

Start Date: 2018.08.17 @ 15:55:30

End Date: 2018.08.17 @ 21:56:00

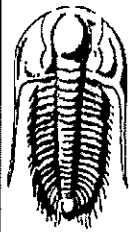
Job Ticket #: 63910 DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.08.21 @ 11:36:38



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 15:55:30

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:00

Time Test Ended: 21:56:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4225.00 ft (KB) To 4610.00 ft (KB) (TVD)

Total Depth: 4745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2816.00 ft (KB)

2811.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 203.71 psig @ 4226.00 ft (KB)

Start Date: 2018.08.17

End Date:

2018.08.17

Start Time: 15:55:35

End Time:

21:55:59

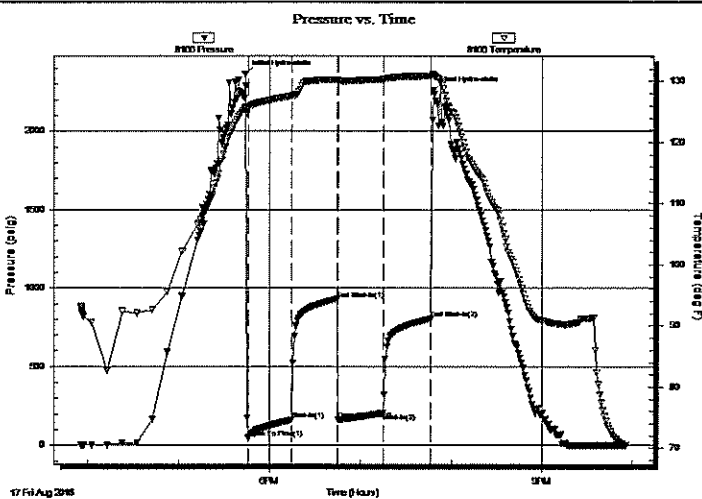
Capacity: 8000.00 psig

Last Calib.: 2018.08.17

Time On Btm: 2018.08.17 @ 17:44:00

Time Off Btm: 2018.08.17 @ 19:48:00

TEST COMMENT: IF: 3/4" blow BOB in 20 mins. 12 1/4"
IS: No return.
FF: Surface blow built to 7 3/4"
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2364.67	125.63	Initial Hydro-static
2	44.65	125.67	Open To Flow (1)
31	159.66	127.57	Shut-In(1)
61	930.82	130.26	End Shut-In(1)
62	162.14	130.03	Open To Flow (2)
91	203.71	130.29	Shut-In(2)
123	804.46	130.85	End Shut-In(2)
124	2258.86	130.97	Final Hydro-static

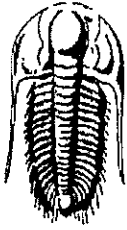
Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 80%w 20%m	0.66
126.00	w cm 20%w 80%m	1.77
136.00	mud 100%m	1.91

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 15:55:30

GENERAL INFORMATION:

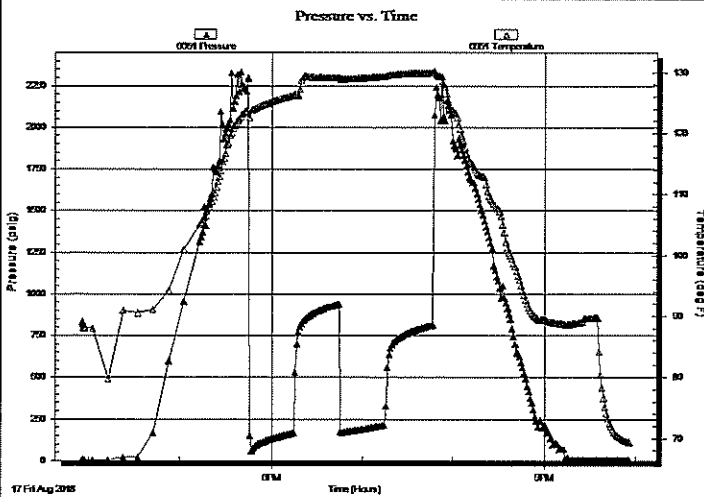
Formation: **Morrow Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:46:00
 Time Test Ended: 21:56:00
 Interval: **4225.00 ft (KB) To 4610.00 ft (KB) (TVD)**
 Total Depth: 4745.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2816.00 ft (KB)
 2811.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6651

Inside

Press@RunDepth: psig @ 4226.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.08.17 End Date: 2018.08.17 Last Calib.: 2018.08.17
 Start Time: 15:55:40 End Time: 21:56:04 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 3/4" blow BOB in 20 mins. 12 1/4"
 IS: No return.
 FF: Surface blow built to 7 3/4"
 FS: No return.



PRESSURE SUMMARY

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

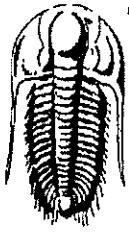
Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 80%w 20%m	0.66
126.00	w cm 20%w 80%m	1.77
136.00	mud 100%m	1.91

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 15:55:30

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:00

Time Test Ended: 21:56:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4225.00 ft (KB) To 4610.00 ft (KB) (TVD)**

Reference Elevations: 2816.00 ft (KB)

Total Depth: 4745.00 ft (KB) (TVD)

2811.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8650 Below (Straddle)

Press@RunDepth: psig @ 4540.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.08.17

End Date: 2018.08.17

Last Calib.: 2018.08.17

Start Time: 15:55:24

End Time: 21:56:18

Time On Btm:

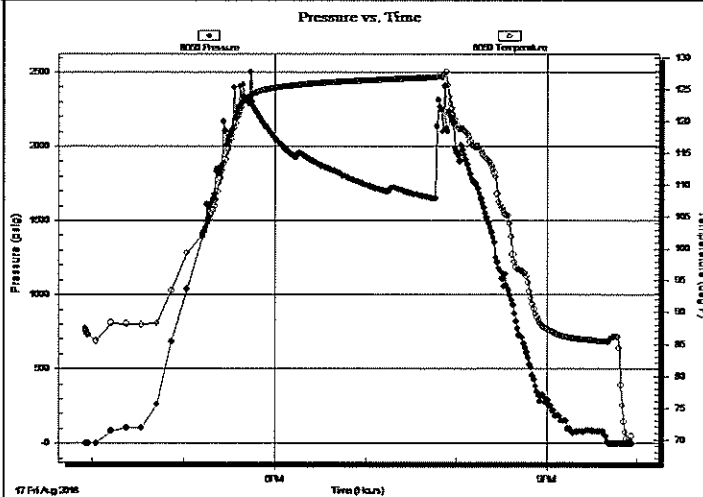
Time Off Btm:

TEST COMMENT: IF: 3/4" blow BOB in 20 mins. 12 1/4"

IS: No return.

FF: Surface blow built to 7 3/4"

FS: No return.



PRESSURE SUMMARY

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

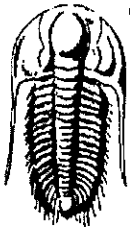
Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 80%w 20%m	0.66
126.00	w cm 20%w 80%m	1.77
136.00	mud 100%m	1.91

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

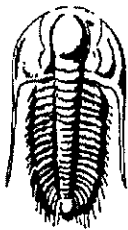
Test Start: 2018.08.17 @ 15:55:30

Tool Information

Drill Pipe:	Length: 4080.00 ft	Diameter: 3.80 inches	Volume: 57.37 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: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 57.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4225.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	321.00 ft			
Tool Length:	343.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4204.00	
Shut In Tool	5.00			4209.00	
Hydraulic tool	5.00			4214.00	
Safety Joint	2.00			4216.00	
Packer	5.00			4221.00	22.00 Bottom Of Top Packer
Packer	4.00			4225.00	
Stubb	1.00			4226.00	
Recorder	0.00	6651	Inside	4226.00	
Recorder	0.00	8166	Outside	4226.00	
Perforations	5.00			4231.00	
Change Over Sub	1.00			4232.00	
Drill Pipe	158.00			4390.00	
Change Over Sub	1.00			4391.00	
Perforations	10.00			4401.00	
Blank Off Sub	1.00			4402.00	
Packer - Shale	5.00			4407.00	
Packer - Shale	4.00			4411.00	
Stubb	1.00			4412.00	
Perforations	1.00			4413.00	
Change Over Sub	1.00			4414.00	
Drill Pipe	126.00			4540.00	
Recorder	0.00	8650	Below	4540.00	
Change Over Sub	1.00			4541.00	
Bullnose	5.00			4546.00	321.00 Bottom Packers & Anchor
Total Tool Length:	343.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

6-14s-36w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Cass #1

Job Ticket: 63910

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.08.17 @ 15:55:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 80%w 20%m	0.656
126.00	w cm 20%w 80%m	1.767
136.00	mud 100%m	1.908

Total Length: 388.00 ft Total Volume: 4.331 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .39@77=15000

Serial #: 8166

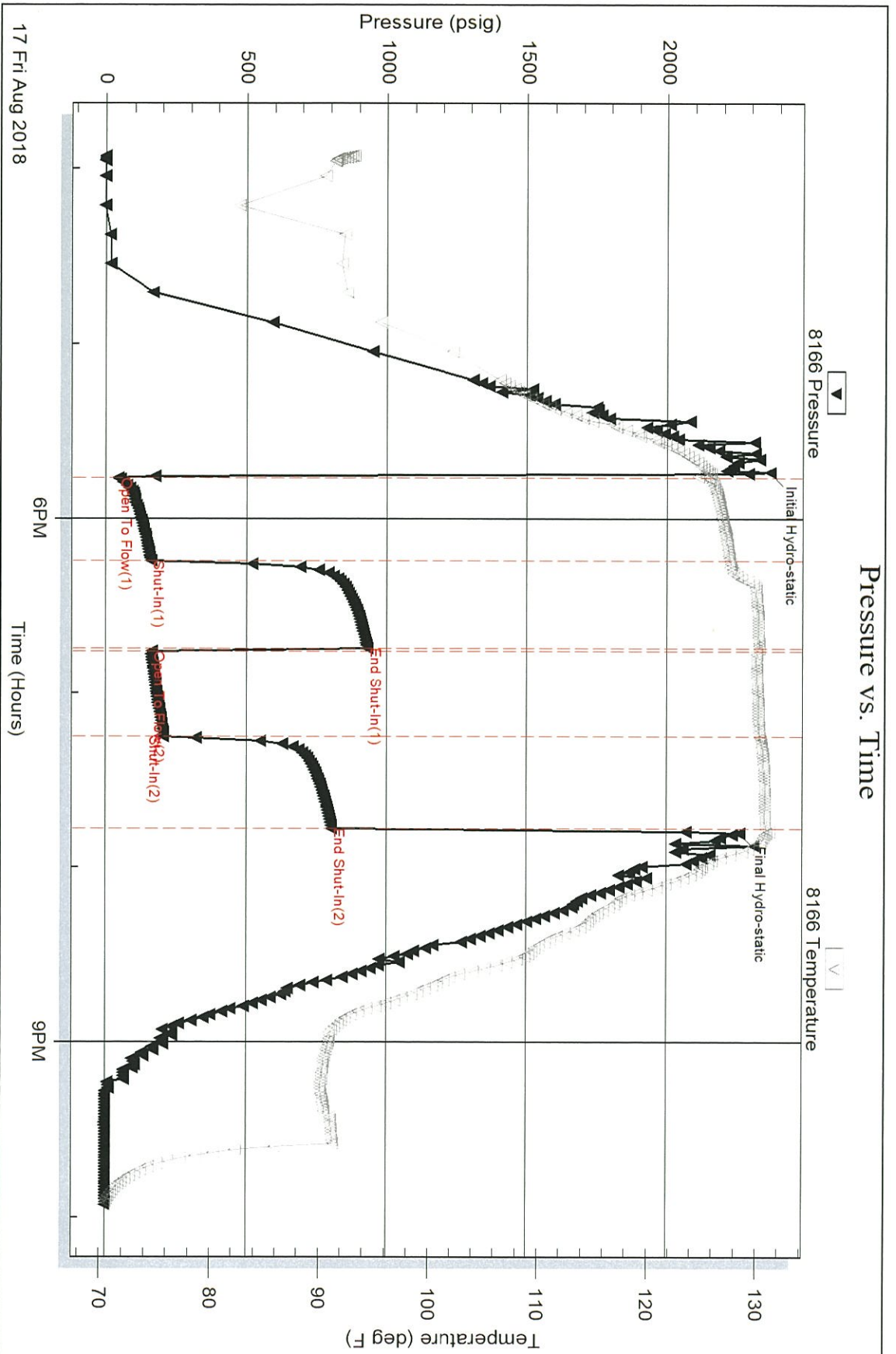
Outside

Palomino Petroleum Inc

Cass #1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63910

Printed: 2018.08.21 @ 11:36:39

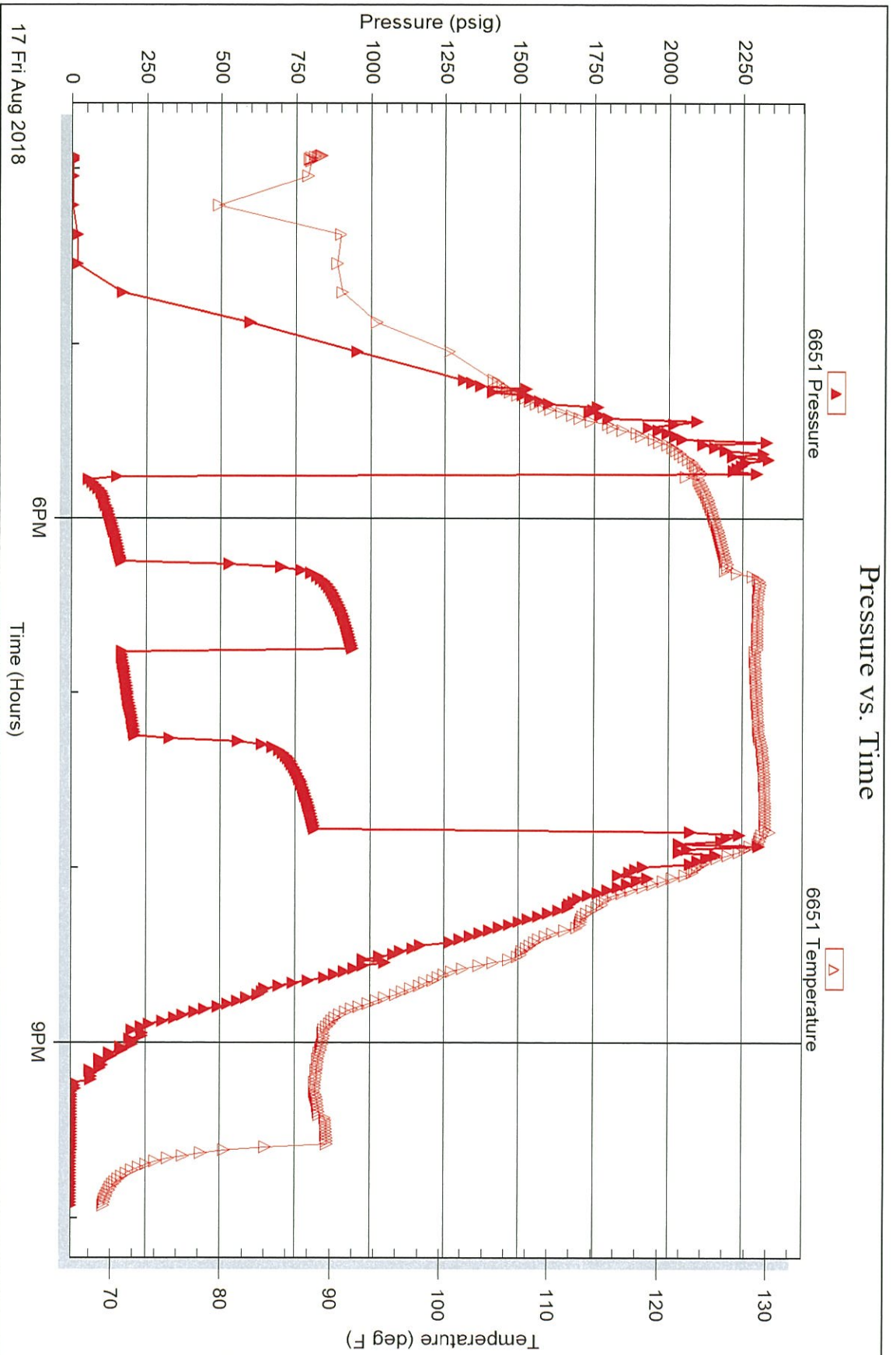
Serial #: 6651

Inside

Palomino Petroleum Inc

Cass #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63910

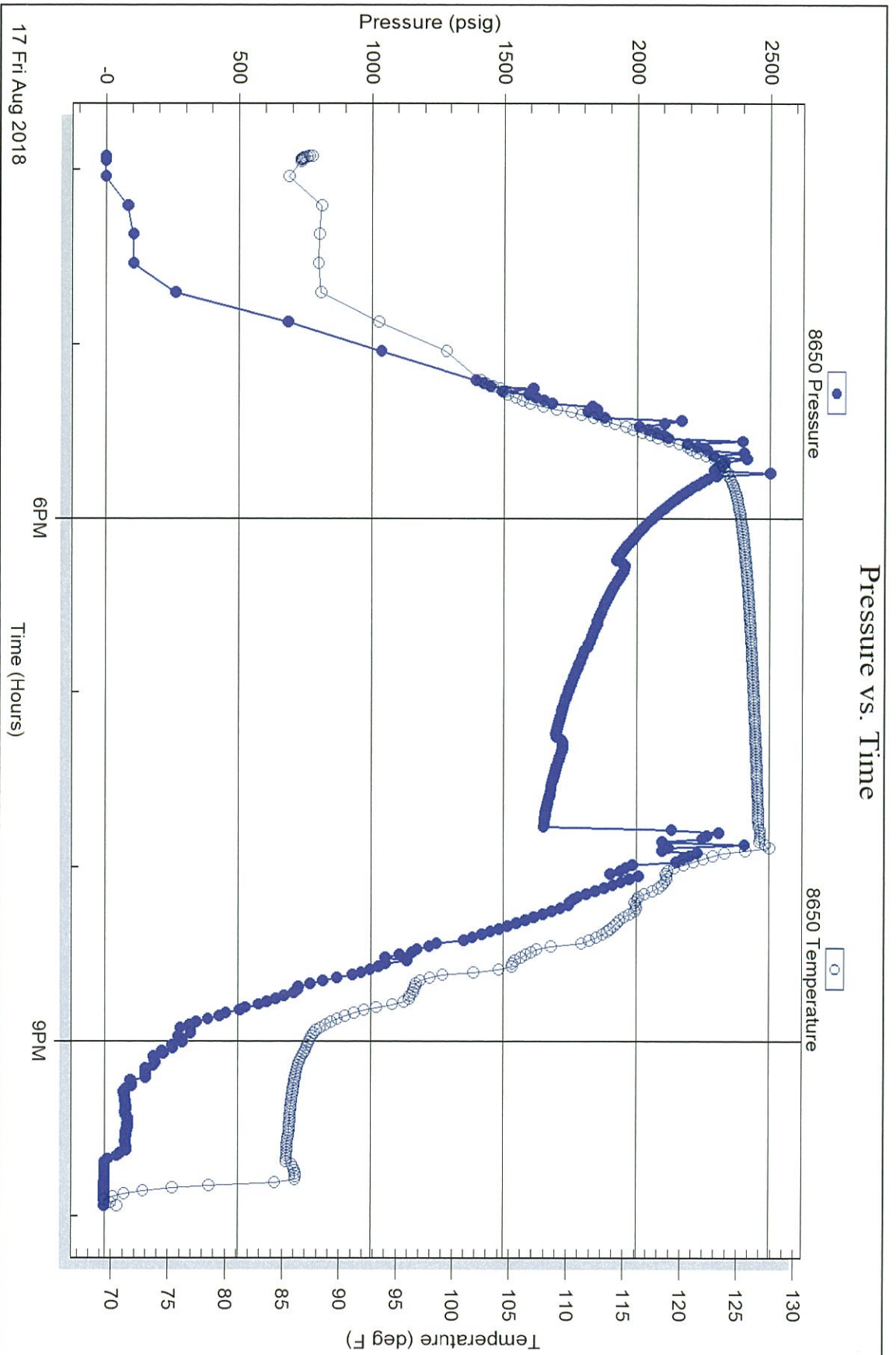
Printed: 2018:08:21 @ 11:36:39

Serial #: 8650

Below (Str ~~attery~~) Petroleum Inc

Cass #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63908**

Well Name & No. C955 #1 Test No. 1 Date 8-14-18
 Company Palomino Petroleum Inc Elevation 2816 KB 2811 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 6 Twp. 14S Rge. 36W Co. Gove State KS

Interval Tested 4050 4152 Zone Tested H-I
 Anchor Length 102 Drill Pipe Run 3905 Mud Wt. 9.2
 Top Packer Depth 4045 Drill Collars Run 122 Vis 61
 Bottom Packer Depth 4050 Wt. Pipe Run — WL 7.2
 Total Depth 4152 Chlorides 2300 ppm System LCM 1

Blow Description IF: 3/4 blow built to 3/4.
IS: No return.
FF: Surface blow built to 2/4.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>132</u>	<u>OCM</u>	<u>5</u>	<u>0</u>	<u>95</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 133 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2038 Test 1150 T-On Location 23:15
 (B) First Initial Flow 22 Jars 250 T-Started 00:25
 (C) First Final Flow 52 Safety Joint 75 T-Open 2:11
 (D) Initial Shut-In 1090 Circ Sub N/C T-Pulled 4:11
 (E) Second Initial Flow 60 Hourly Standby — T-Out 5:40
 (F) Second Final Flow 77 Mileage 84 84 Comments —
 (G) Final Shut-In 1075 Sampler —
 (H) Final Hydrostatic 1982 Straddle —
 Shale Packer —
 Shale Packer —
 Extra Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1559
 MP/DST Disc't —
 Sub Total 1559

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63909**

Well Name & No. C955 #1 Test No. 2 Date 8-17-18
 Company Pyromino Petroleum Elevation 2816 KB 2811 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 6 Twp. 14S Rge. 36W Co. Gove State KS

Interval Tested 4144 4260 Zone Tested Lensing - K5
 Anchor Length _____ 116 Drill Pipe Run 4010 Mud Wt. 9.4
 Top Packer Depth _____ 4144 Drill Collars Run 122 Vis 57
 Bottom Packer Depth _____ 4260 Wt. Pipe Run _____ WL 6.4
 Total Depth _____ 4745 Chlorides 1900 ppm System LCM 1

Blow Description IF: 1/2 blow built to 9 1/2,
IS: NO return.
FF: Surface blow built to 7 1/2,
FS: NO return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>166</u>	<u>mud</u>			<u>100</u>	
<u>189</u>	<u>MCW</u>		<u>60</u>	<u>40</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 355 BHT 125 Gravity _____ API RW .26 @ 91 °F Chlorides 19,500 ppm

(A) Initial Hydrostatic <u>2146</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>8:45</u>
(B) First Initial Flow <u>41</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>9:32</u>
(C) First Final Flow <u>138</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>11:11</u>
(D) Initial Shut-In <u>1056</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/L</u>	T-Pulled <u>13:11</u>
(E) Second Initial Flow <u>141</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>15:20</u>
(F) Second Final Flow <u>185</u>	<input checked="" type="checkbox"/> Mileage <u>84</u> - 84	Comments _____
(G) Final Shut-In <u>1038</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2051</u>	<input checked="" type="checkbox"/> Straddle 600	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>X2</u> 500	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Extra Packer 200	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>2859</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2859</u>	

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. **63910**

Well Name & No. C955 #1 Test No. 3 Date 8-17-18
 Company Palomino Petroleum Elevation 2816 KB 2811 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW#10
 Location: Sec. 6 Twp. 14S Rge. 36W Co. Gove State KS

Interval Tested 4225 4610 Zone Tested Morrow Sand
 Anchor Length _____ Drill Pipe Run 4090 Mud Wt. 9.4
 Top Packer Depth _____ Drill Collars Run 122 Vis 57
 Bottom Packer Depth _____ Wt. Pipe Run _____ WL 6.4
 Total Depth 4745 Chlorides 1900 ppm System LCM 1
 Blow Description IF: 3/4 blow BoB in 20 min. 12 1/4.
IS: No return.
FF: surface blow built to 7 3/4.
FS: NO return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>136</u>	<u>mud</u>			<u>100</u>	
<u>126</u>	<u>WLM</u>		<u>20</u>	<u>80</u>	
<u>126</u>	<u>MCLW</u>		<u>80</u>	<u>20</u>	
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 388 BHT 130 Gravity _____ API RW .39 @ 77 °F Chlorides 15,000 ppm

(A) Initial Hydrostatic <u>2364</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>8:45</u>
(B) First Initial Flow <u>44</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:55</u>
(C) First Final Flow <u>159</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>17:44</u>
(D) Initial Shut-In <u>930</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>19:44</u>
(E) Second Initial Flow <u>162</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:00</u>
(F) Second Final Flow <u>203</u>	<input type="checkbox"/> Mileage _____	Comments _____
(G) Final Shut-In <u>804</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2258</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>K2</u> <u>500</u>	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Extra Packer <u>200</u>	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>2775</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2775</u>	

Approved By _____ Our Representative [Signature]

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