

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(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	FROELICH TRUST 1
Doc ID	1463686

All Electric Logs Run

Dual Induction
Dual Receiver Cement Bond
Micro Resistivity
Litho Density Neutron

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	FROELICH TRUST 1
Doc ID	1463686

Tops

Name	Top	Datum
Anhy.	1981	(+ 596)
Base Anhy.	2017	(+ 560)
Heebner	3805	(-1228)
Lansing	3846	(-1269)
Muncie Creek	3985	(-1408)
Stark	4082	(-1505)
BKC	4144	(-1567)
Marmaton	4175	(-1598)
Pawnee	4278	(-1701)
Ft. Scott	4337	(-1760)
Cherokee Sh.	4361	(-1784)
Miss. Porosity	4445	(-1868)
LTD	4554	(-1977)

SWIFT



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



Invoice

DATE	INVOICE #
4/12/2019	32187

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

RECEIVED
 APR 18 2019

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Froelich Trust	Lane	Express Well	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				45	Miles	5.00	225.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,300.00	1,300.00
330	Swift Multi-Density Standard (MIDCON II)				150	Sacks	16.25	2,437.50T
276	Flocele				50	Lb(s)	2.50	125.00T
290	D-Air				1	Gallon(s)	42.00	42.00T
104	Port Collar Tool Rental				1	Each	200.00	200.00T
581D	Service Charge Cement				200	Sacks	1.75	350.00
583D	Drayage				447.8	Ton Miles	0.85	380.63
	Subtotal							5,060.13
	Sales Tax Lane County						7.50%	210.34
We Appreciate Your Business!							Total	\$5,270.47



TICKET 032187

CHARGE TO: Richard Petroleum
 ADDRESS
 CITY, STATE, ZIP CODE

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>Frederick Trout</u>	COUNTY/PARISH <u>Lawe</u>	STATE <u>KS</u>	CITY <u>Pendennis</u>	DATE <u>12 APR 09</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED <u>via</u>	DELIVERED TO <u>location</u>	ORDER NO.	WELL LOCATION	
3. WELL TYPE <u>0.1</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>concrete post collar</u>	WELL PERMIT NO.				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
5715					TRK 114	46	mi			5.00	225.00
576D					Post Collar Pump Charge	1	ea			1300.00	1300.00
330					SMD comment	150	sk			16.75	2437.50
216					Flare	50	lb			2.50	125.00
89D					D/Air	1	psi			42.00	42.00
104					Post collar opening tool rental	52	in		1 ea	200.00	200.00
581					Service Charge	200	sk			1.75	350.00
583					Drayage	4402	lb		4178 TM	0.85	380.63

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

DATE SIGNED Alan Danball TIME SIGNED A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL

5060.13

TOTAL

5270.47

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR

APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 12 APR 19

PAGE NO. 1

CUSTOMER *Palomares Petroleum* WELL NO. *#1* LEASE *Froelich Trust* JOB TYPE
 TICKET NO. *32187*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200sk SMD cement w/ 1/4" f locale 2 3/8 x 5 1/2 port collar - 1970'
	1030							on loc TRX 11/4
	1047					1000	1000	test to 1000 psi - held open port collar
	1052	3 1/2	3			400		inj rate 3 1/2 bpm @ 400 psi
		3 1/2				400		mix SMD cement @ 1 1/2 ppb
		3 1/2	7			300		- circ fluid to surface -
		3 1/2	80			450		→ cement to surface ←
			10.5					Displace 10 1/2 bbl close port collar
						1000	1000	test to 1000 psi - held Run 4 joints
	1200		20					Reverse hole clean - 2 cement plugs pull tool wash truck Pack up
	1215							job complete thanks Blaine, Flint & spratch

SWIFT



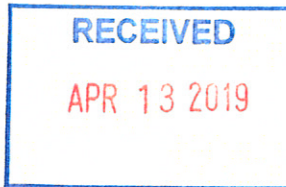
P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
4/8/2019	32149

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



- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Froelich Trust	Lane	WW Drlg Rig #24	Oil	Development	5 1/2 Longstring	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
578D-L	Pump Charge - Long String				1	Job	1,300.00	1,300.00
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				10	Each	85.00	850.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				100	Sacks	13.00	1,300.00T
284	Calseal				5	Sack(s)	35.00	175.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.50	125.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	16.25	2,031.25T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	1.75	393.75
583D	Drayage				460	Ton Miles	0.85	391.00
	Subtotal							11,617.00
	Sales Tax Lane County						7.50%	699.92

We Appreciate Your Business!

Total

\$12,316.92



CHARGE TO:

Palomino Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET 032149

PAGE 1 OF 2

OWNER #2

SERVICE LOCATIONS
1. Ness City, KS

WELL/PROJECT NO. #1

LEASE Emerald Trust

COUNTY/PARISH Lane

STATE KS

CITY Pendermis

DATE 4-8-19

ORDER NO.

2. Ticket Type: SERVICE SALES

CONTRACTOR WW

RIG NAME/NO. 24

SHIPPED VIA CT

DELIVERED TO Location

WELL PERMIT NO.

WELL LOCATION Pendermis, 2 1/2 W.E.N

3. Well Type: Oil

WELL CATEGORY Developed

JOB PURPOSE Long String

5 1/2"

WELL PERMIT NO.

WELL LOCATION Pendermis, 2 1/2 W.E.N

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

DATE 4-8-19

OWNER #2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE			40	mi	5.00	200.00
578					Pump Charge - Long String			1	job	1300.00	1300.00
404					Port Collar			1	ea	2500.00	2500.00
403					CMT Baskets			1	ea	275.00	275.00
406					Latch Down Plug + Baffle			1	ea	250.00	250.00
407					Insert float shoe w/ Aub fill			1	ea	325.00	325.00
409					Turbolizer			10	ea	85.00	850.00
419					Rotating Head Rental			1	job	200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X *[Signature]*

DATE SIGNED 4-8-2019 TIME SIGNED 7:00 AM/ P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?

CUSTOMER DID NOT WISH TO RESPOND

YES NO

PAGE TOTAL 2

TOTAL 12316.92

11617.00

699.92

95.10

12316.92

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR

[Signature]

APPROVAL

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 032149

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE	UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
325						Standard CMT								
284						Calseal								
283						Salt								
286						CFR-1								
276						Floceek								
330						SMD Cement								
281						Liquid RCL								
281						Mud Flush								
296						D-Air								
581														
583														

CUSTOMER *Palomino Petroleum*

WELL *Friedrich Trust #1*

DATE *4-8-2019*

PAGE *2* OF *2*

SERVICE CHARGE		MILEAGE CHARGE		CUBIC FEET		TON MILES	
TOTAL WEIGHT	LOADED MILES	TOTAL WEIGHT	LOADED MILES	TOTAL WEIGHT	LOADED MILES	TOTAL WEIGHT	LOADED MILES
23200	40	225	460	225	460	0	85

CONTINUATION TOTAL *5717.00*

JOB LOG

SWIFT Services, Inc.

DATE 4-8-2019 PAGE NO. 1

CUSTOMER Palomino Petroleum WELL NO. #1 LEASE Froelich Trust JOB TYPE Long String 5 1/2" TICKET NO. 032149

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0430							On Location 5 1/2" 14# RTD: 4549' LTD: 4554' TP: 4549' SJ: 43' PC: #61 1970'
								Turbo: 1, 3, 5, 7, 9, 11, 13, 15, 17, 60 Basket: 61
	0745							Start 5 1/2" 14 1/2 lb/ft Casing in well
	1000							Drop Ball - Circulate Down
	1025							Break Circulation * Rotate *
	11:15	6 1/2	12			250		Pump 500 gal Mud Flush
		6 1/2	20			250		Pump 20 bbl KCL Flush
	1120	1/2	10.7			0		Plug RH + MH [30, 20]
	1130	4 1/2	48			200		Mix ⁷⁵ 100 sks SMD 1/4" Fl @ 12.5ppg
		4 1/2	24			200		Mix 100 sks EA-2 1/4" Fl @ 15.5ppg
	1150							Wash out Pump + Lines Release Latch down Plug
	1155	6 1/2	0			200		Start Displacement
		6 1/2	800			300		lift Pressure
		6 1/2	109			800		Max lift
	1215	5 1/2	110			1600		Land Latch Down Plug
	1215							Release Pressure * Plug Hold *
	1215							
	1220							Wash-up Trk 125 SMD 1/4" Fl + 100 EA-2 1/4" Fl Used
	1245							Job Complete Thank You Cudeon, Preston, Kirby

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
 RUSSELL, KS 67665

RECEIVED
 APR 05 2019

Invoice

Date	Invoice #
4/2/2019	0013403

Bill To
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

P.O. No.	Terms	Project
FROLISH TRUST#1	Due on receipt	

Quantity	Description	Rate	Amount
160	COMMON CEMENT	16.50	2,640.00
5	CALCIUM-CHLORIDE	80.00	400.00
3	BENTONITE GEL	30.00	90.00
168	HANDLING	1.90	319.20
	BULK MILEAGE	650.00	650.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	850.00	850.00
45	HEAVY EQUIPMENT. ONE WAY	6.50	292.50
45	LMV- ONE WAY	2.75	123.75
	15% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		0.00
	NESS CO SALES TAX	7.50%	0.00

Thank you for your business.

Phone #	Fax #
785-445-3525	785-445-3526

Total	\$5,365.45
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GLOBAL OIL FIELD SERVICES, LLC 0013403

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>3-28-19</u>	SEC. <u>11</u>	TWP. <u>R5</u>	RANGE <u>27W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>7:00 am</u>
LEASE <u>Froelish</u>	WELL #. <u>1</u>	LOCATION <u>Pendennis^{KS} Red Chief RD</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE) <u>NEW</u>			<u>2N to 28th East + Minta Rig</u>				

CONTRACTOR <u>WW Drilling Rig # 24</u>	OWNER <u>Palomino Petroleum</u>
TYPE OF JOB <u>Surface</u>	CEMENT AMOUNT ORDERED <u>160SKS^{CON} 3%LC 2%GAL</u>
HOLE SIZE <u>12 1/4</u>	T.D.
CASING SIZE <u>4 5/8</u>	DEPTH <u>217'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>25'</u>	
PERFS	
DISPLACEMENT	
EQUIPMENT	
PUMP TRUCK # <u>417</u>	CEMENTER <u>Cody</u>
	HELPER <u>Jason</u>
BULK TRUCK # <u>44</u>	DRIVER <u>Tom</u>
BULK TRUCK #	DRIVER

REMARKS:
Run 5ft of 4 5/8 casing + Ljt Hooked to Rig. Broke circulation + Hooked to Truck + Pumped 160SKS of Cement + Displaced 12 1/4 bbls of H2O + shut IN.

Cement Did Circulate to Surface

CHARGE TO: Palomino Petroleum
STREET _____
CITY _____ STATE _____ ZIP _____

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	@	
MILEAGE	@	
		TOTAL _____

SERVICE		
DEPTH OF JOB		
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
	@	
	@	
		TOTAL _____

PLUG & FLOAT EQUIPMENT		
	@	
	@	
	@	
	@	
	@	
		TOTAL _____

Global Oil Field Services, LLC
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Mylo Solings
SIGNATURE Mylo Solings

SALES TAX (if Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Froelich Trust #1

11-16s-27w Lane,KS

Start Date: 2019.04.01 @ 23:25:46

End Date: 2019.04.02 @ 11:35:46

Job Ticket #: 65164 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2019.04.09 @ 16:34:10

Palomino Petroleum

11-16s-27w Lane,KS

Froelich Trust #1

DST # 1

LKC E

2019.04.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

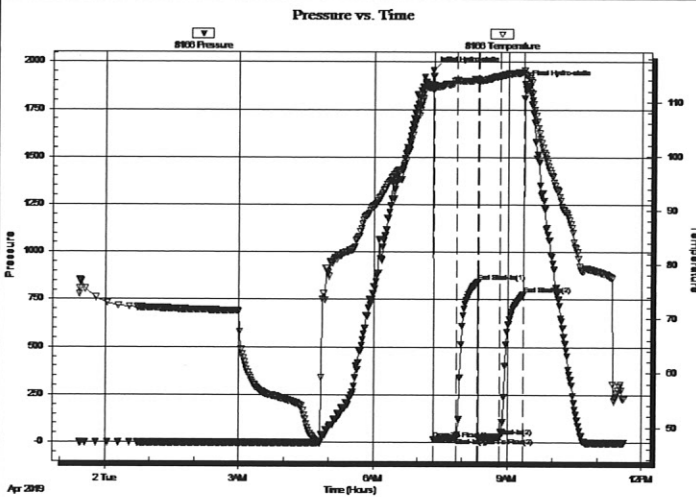
11-16s-27w Lane, KS
Froelich Trust #1
Job Ticket: 65164 **DST#: 1**
Test Start: 2019.04.01 @ 23:25:46

GENERAL INFORMATION:

Formation: **LKC E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:21:46
Time Test Ended: 11:35:46
Interval: **3910.00 ft (KB) To 3940.00 ft (KB) (TVD)**
Total Depth: 3940.00 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: 2577.00 ft (KB)
2567.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8166 **Outside**
Press@RunDepth: 30.65 psig @ 3911.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.04.01 End Date: 2019.04.02 Last Calib.: 2019.04.02
Start Time: 23:25:51 End Time: 11:35:46 Time On Btm: 2019.04.02 @ 07:20:16
Time Off Btm: 2019.04.02 @ 09:22:46

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.80	112.66	Initial Hydro-static
2	14.32	112.50	Open To Flow (1)
33	23.60	114.02	Shut-In(1)
61	845.43	114.15	End Shut-In(1)
62	25.21	113.77	Open To Flow (2)
91	30.65	114.80	Shut-In(2)
121	778.40	115.49	End Shut-In(2)
123	1884.59	115.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100% m	0.10

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE 84th St
New ton, KS 67114

ATTN: Ryan Seib

11-16s-27w Lane, KS

Froelich Trust #1

Job Ticket: 65164

DST#: 1

Test Start: 2019.04.01 @ 23:25:46

GENERAL INFORMATION:

Formation: **LKC E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:21:46

Time Test Ended: 11:35:46

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: **3910.00 ft (KB) To 3940.00 ft (KB) (TVD)**

Total Depth: 3940.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2577.00 ft (KB)

2567.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6651

Inside

Press@RunDepth: psig @ 3911.00 ft (KB)

Start Date: 2019.04.01

End Date:

2019.04.02

Start Time: 23:25:46

End Time:

11:35:41

Capacity: 8000.00 psig

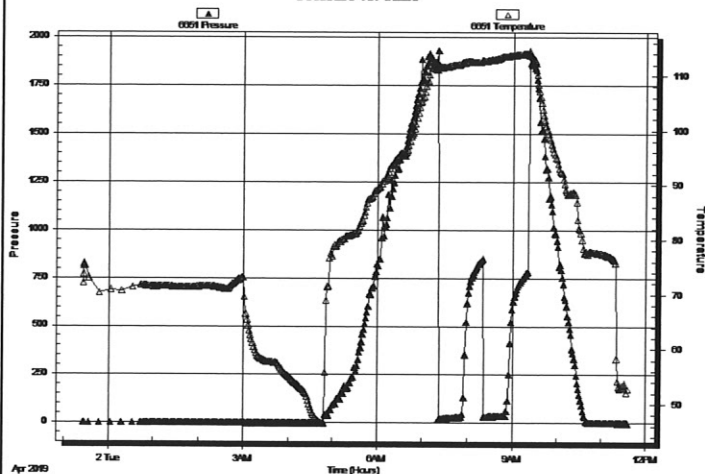
Last Calib.: 2019.04.02

Time On Btm:

Time Off Btm:

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

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100%m	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

11-16s-27w Lane,KS
Froelich Trust #1
Job Ticket: 65164 **DST#: 1**
Test Start: 2019.04.01 @ 23:25:46

Tool Information

Drill Pipe:	Length: 3424.00 ft	Diameter: 3.80 inches	Volume: 48.03 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: 25000.00 lb
Drill Collar:	Length: 465.00 ft	Diameter: 2.25 inches	Volume: 2.29 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 50.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	3910.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 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			3884.00	
Shut In Tool	5.00			3889.00	
Hydraulic tool	5.00			3894.00	
Jars	5.00			3899.00	
Safety Joint	2.00			3901.00	
Packer	5.00			3906.00	27.00 Bottom Of Top Packer
Packer	4.00			3910.00	
Stubb	1.00			3911.00	
Recorder	0.00	6651	Inside	3911.00	
Recorder	0.00	8166	Outside	3911.00	
Perforations	24.00			3935.00	
Bullnose	5.00			3940.00	30.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

11-16s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Froelich Trust #1

Job Ticket: 65164

DST#: 1

ATTN: Ryan Seib

Test Start: 2019.04.01 @ 23:25:46

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud oil spots 100%m	0.098

Total Length:

20.00 ft

Total Volume:

0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

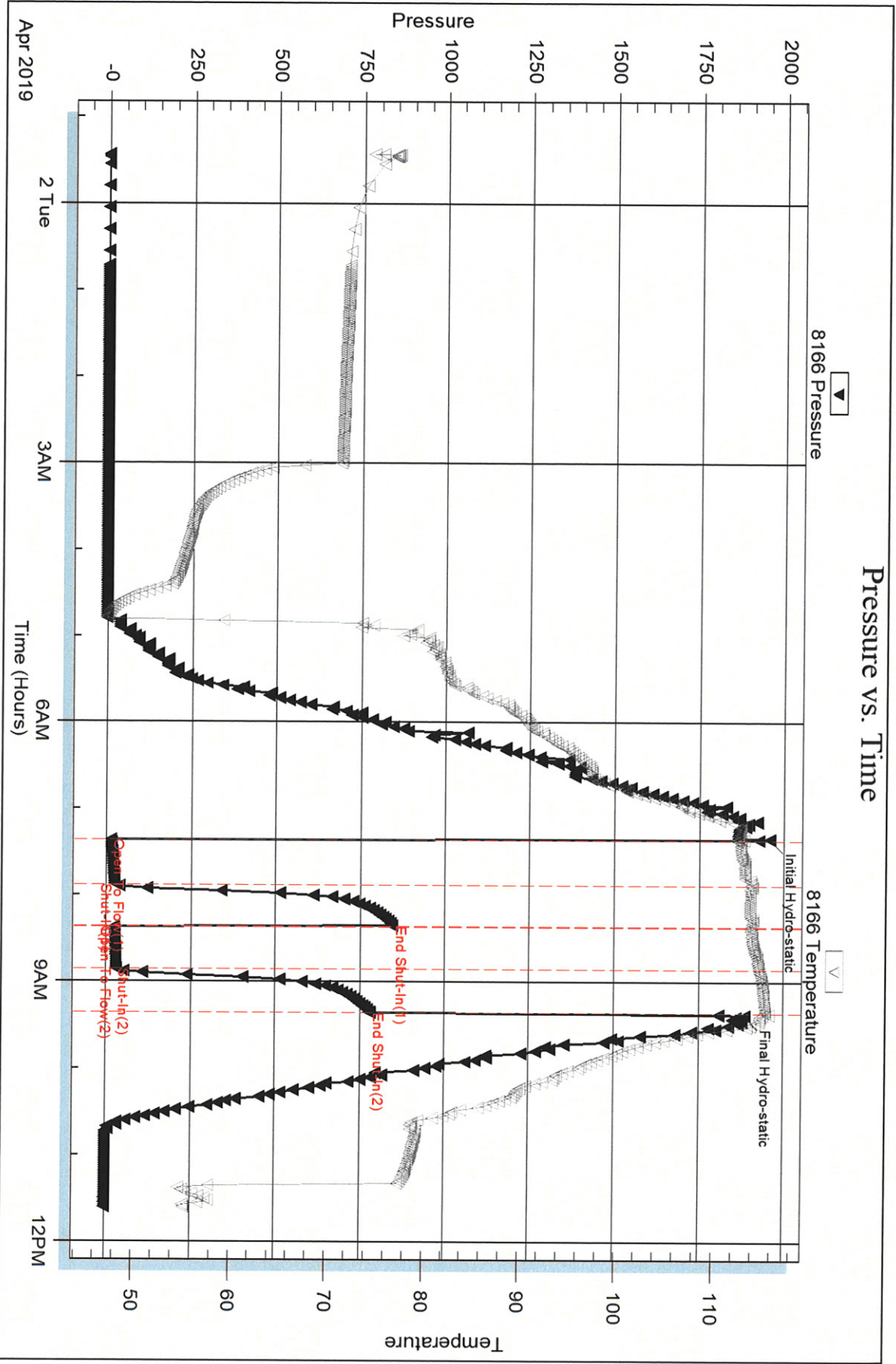
Recovery Comments:

Serial #: 8166

Outside Palomino Petroleum

Froelich Trust #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65164

Printed: 2019.04.09 @ 16:34:11

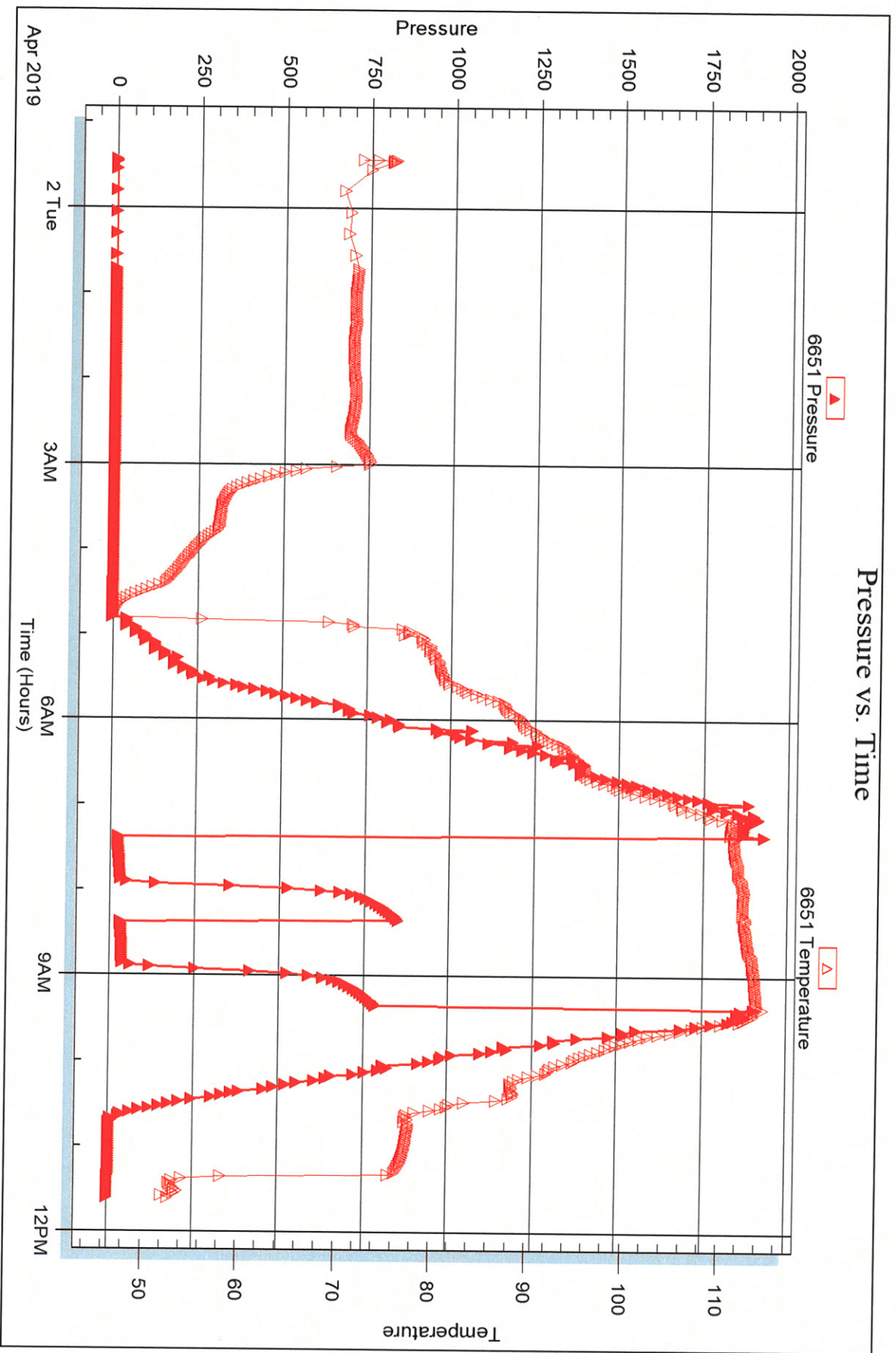
Serial #: 6651

Inside

Palomino Petroleum

Froelich Trust #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65164

Printed: 2019.04.09 @ 16:34:11



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Froelich Trust #1

11-16s-27w Lane,KS

Start Date: 2019.04.03 @ 11:11:26

End Date: 2019.04.03 @ 18:40:50

Job Ticket #: 65165 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2019.04.09 @ 16:33:45

Palomino Petroleum

11-16s-27w Lane,KS

Froelich Trust #1

DST # 2

Lansing H-1

2019.04.03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

11-16s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Froelich Trust #1

ATTN: Ryan Seib

Job Ticket: 65165 **DST#: 2**

Test Start: 2019.04.03 @ 11:11:26

GENERAL INFORMATION:

Formation: **Lansing H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:34:51

Time Test Ended: 18:40:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **3983.00 ft (KB) To 4050.00 ft (KB) (TVD)**

Reference Elevations: 2577.00 ft (KB)

Total Depth: 4050.00 ft (KB) (TVD)

2567.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 318.35 psig @ 3984.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.04.03

End Date: 2019.04.03

Last Calib.: 2019.04.03

Start Time: 11:11:26

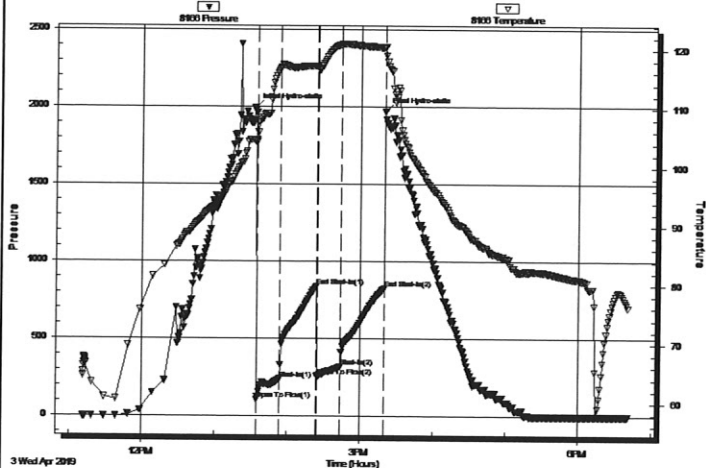
End Time: 18:40:50

Time On Btm: 2019.04.03 @ 13:32:51

Time Off Btm: 2019.04.03 @ 15:19:51

TEST COMMENT: IF: BOB in 2 min. 160"
IS: 1/4 blow built to 20"
FF: BOB in 2 min. 110"
FS: 43 "

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1991.80	104.58	Initial Hydro-static
2	106.36	104.46	Open To Flow (1)
21	241.99	116.88	Shut-In(1)
51	839.21	117.25	End Shut-In(1)
52	259.07	116.88	Open To Flow (2)
71	318.35	120.90	Shut-In(2)
107	827.26	120.32	End Shut-In(2)
107	1972.32	120.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
434.00	mcgo 30%g 60%o 10%m	2.13
310.00	gocm 10%g 20%o 70%m	4.07
155.00	gocm 5%g 10%o 85%m	2.17
0.00	3007 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

11-16s-27w Lane, KS
Froelich Trust #1
 Job Ticket: 65165 **DST#: 2**
 Test Start: 2019.04.03 @ 11:11:26

GENERAL INFORMATION:

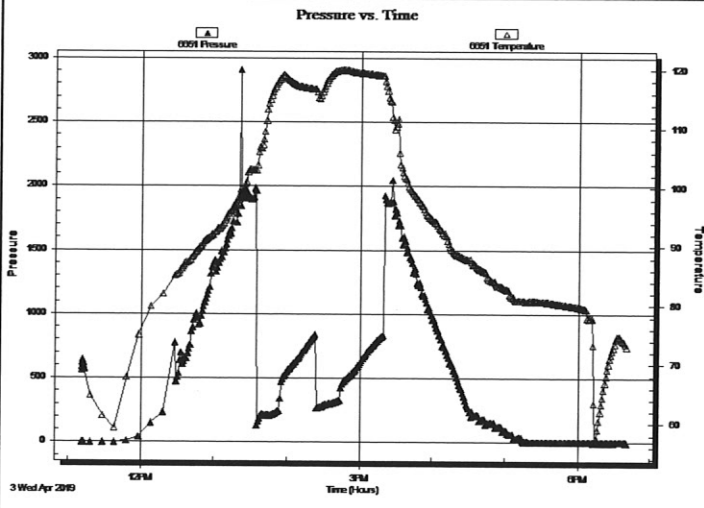
Formation: **Lansing H-I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:34:51
 Time Test Ended: 18:40:50
 Interval: **3983.00 ft (KB) To 4050.00 ft (KB) (TVD)**
 Total Depth: 4050.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2577.00 ft (KB)
 2567.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6651

Inside

Press@RunDepth: psig @ 3984.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.03 End Date: 2019.04.03 Last Calib.: 2019.04.03
 Start Time: 11:11:12 End Time: 18:40:36 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB in 2 min. 160"
 IS: 1/4 blow built to 20"
 FF: BOB in 2 min. 110"
 FS: 43 "



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
434.00	mcgo 30%g 60%o 10%m	2.13
310.00	gocm 10%g 20%o 70%m	4.07
155.00	gocm 5%g 10%o 85%m	2.17
0.00	3007 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

11-16s-27w Lane,KS
Froelich Trust #1
Job Ticket: 65165 **DST#: 2**
Test Start: 2019.04.03 @ 11:11:26

Tool Information

Drill Pipe:	Length: 3518.00 ft	Diameter: 3.80 inches	Volume: 49.35 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: 25000.00 lb
Drill Collar:	Length: 465.00 ft	Diameter: 2.25 inches	Volume: 2.29 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 51.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	3983.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	94.00 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			3957.00	
Shut In Tool	5.00			3962.00	
Hydraulic tool	5.00			3967.00	
Jars	5.00			3972.00	
Safety Joint	2.00			3974.00	
Packer	5.00			3979.00	27.00 Bottom Of Top Packer
Packer	4.00			3983.00	
Stubb	1.00			3984.00	
Recorder	0.00	6651	Inside	3984.00	
Recorder	0.00	8166	Outside	3984.00	
Perforations	28.00			4012.00	
Change Over Sub	1.00			4013.00	
Drill Pipe	31.00			4044.00	
Change Over Sub	1.00			4045.00	
Bullnose	5.00			4050.00	67.00 Bottom Packers & Anchor
Total Tool Length:	94.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

11-16s-27w Lane,KS

4924 SE 84th St
New ton, KS 67114

Froelich Trust #1

Job Ticket: 65165

DST#: 2

ATTN: Ryan Seib

Test Start: 2019.04.03 @ 11:11:26

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
434.00	mcgo 30%g 60%o 10%m	2.134
310.00	gocm 10%g 20%o 70%m	4.066
155.00	gocm 5%g 10%o 85%m	2.174
0.00	3007 GIP	0.000

Total Length: 899.00 ft

Total Volume: 8.374 bbl

Num Fluid Samples: 0

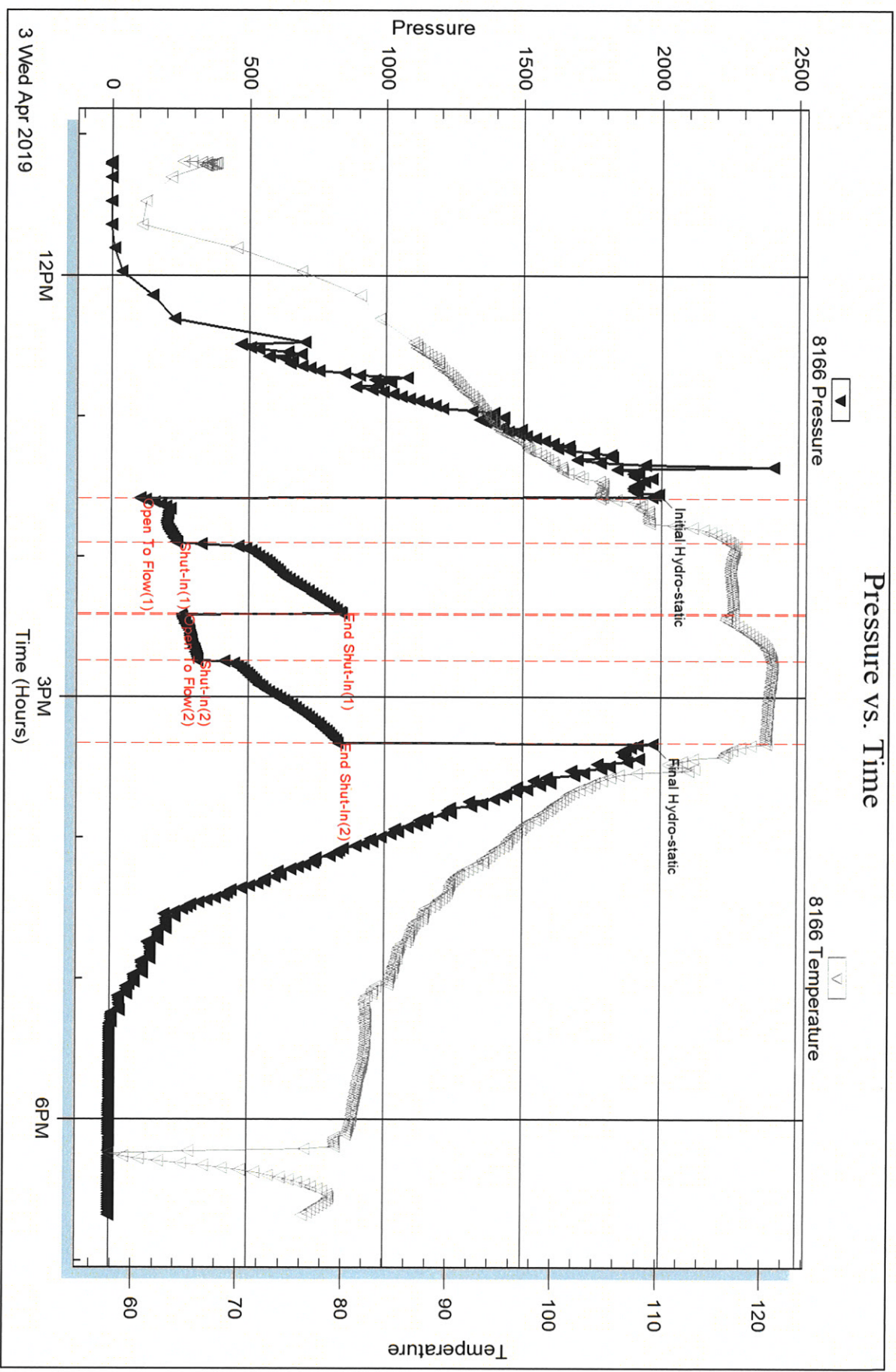
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 41@80=39



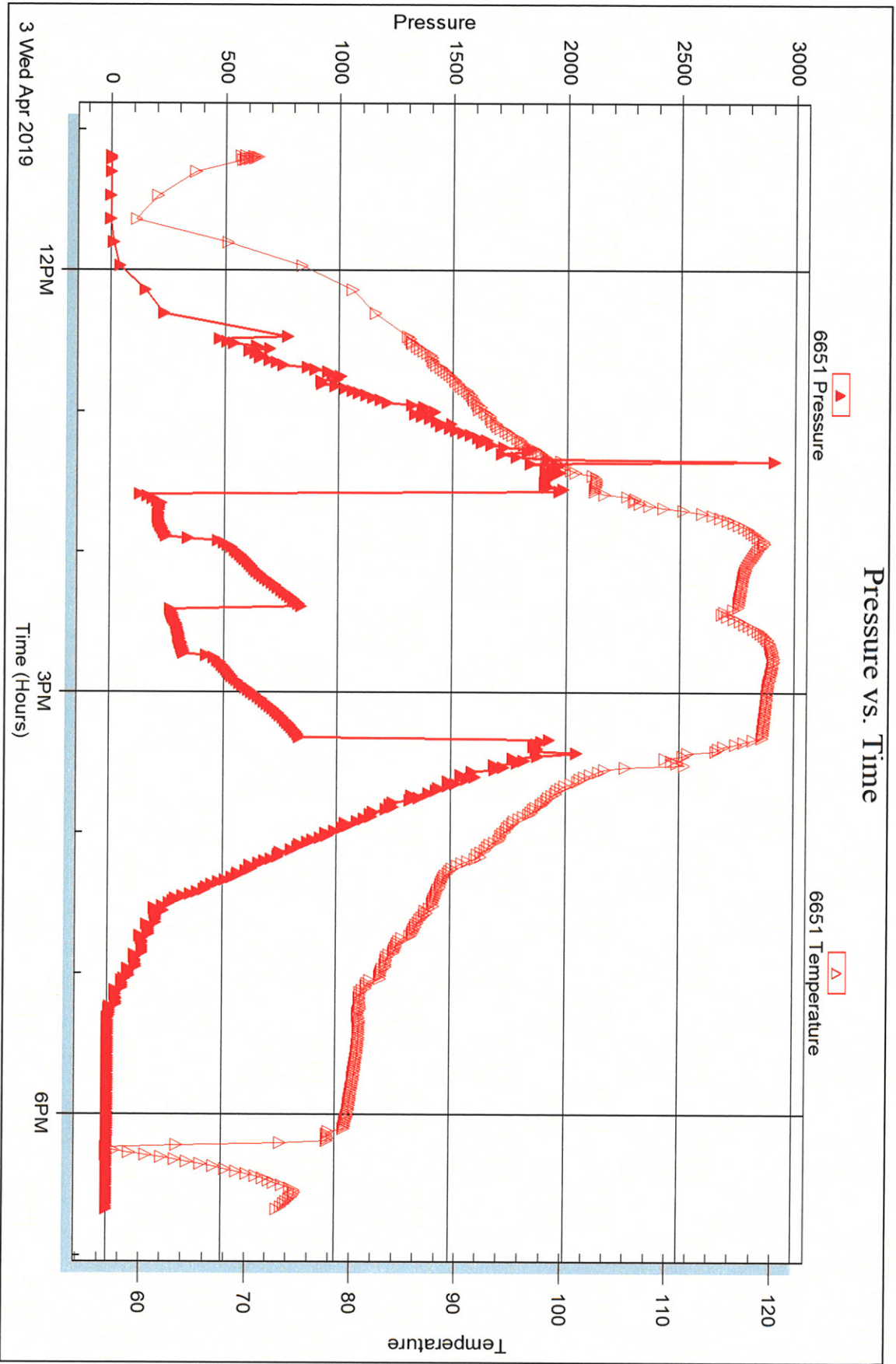
Serial #: 6651

Inside

Palomino Petroleum

Froelich Trust #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65165

Printed: 2019.04.09 @ 16:33:46



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Froelich Trust #1

11-16s-27w Lane,KS

Start Date: 2019.04.04 @ 06:19:05

End Date: 2019.04.04 @ 14:13:05

Job Ticket #: 65166 DST #: 3

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

Printed: 2019.04.09 @ 16:33:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

11-16s-27w Lane, KS
Froelich Trust #1
 Job Ticket: 65166 **DST#: 3**
 Test Start: 2019.04.04 @ 06:19:05

GENERAL INFORMATION:

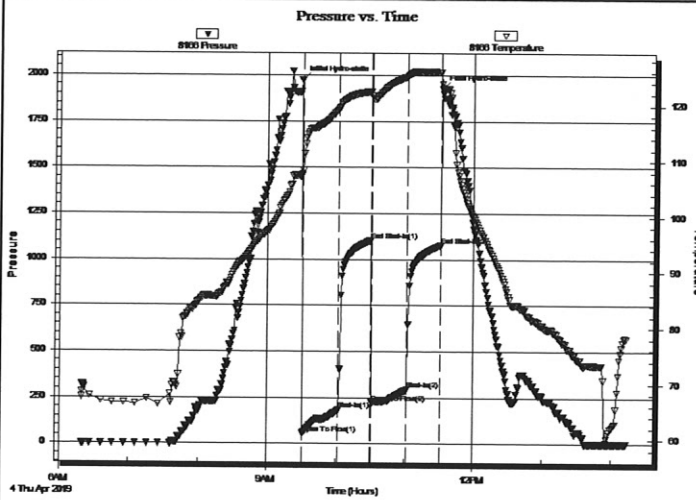
Formation: **LKC J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:31:05
 Time Test Ended: 14:13:05
 Interval: **4047.00 ft (KB) To 4081.00 ft (KB) (TVD)**
 Total Depth: 4081.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2577.00 ft (KB)
 2567.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 292.12 psig @ 4048.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.04 End Date: 2019.04.04 Last Calib.: 2019.04.04
 Start Time: 06:19:10 End Time: 14:13:04 Time On Btm: 2019.04.04 @ 09:29:35
 Time Off Btm: 2019.04.04 @ 11:32:05

TEST COMMENT: IF: BOB in 2 min. 276"
 IS: 38 inches return. Gas to surface
 FF: BOB in 5 min. 130"
 FS: 40 inches return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.28	107.51	Initial Hydro-static
2	55.20	108.50	Open To Flow (1)
33	182.37	119.47	Shut-In(1)
61	1101.28	122.46	End Shut-In(1)
62	223.69	121.77	Open To Flow (2)
93	292.12	125.24	Shut-In(2)
122	1074.61	125.93	End Shut-In(2)
123	1925.29	123.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcgo 10%g 60%o 30%m	0.91
248.00	mcgo 20%g 70%o 10%m	1.22
186.00	mcgo 60%g 30%o 10%m	2.33
258.00	go 60%g 40%o	3.62

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

11-16s-27w Lane, KS

Froelich Trust #1

Job Ticket: 65166

DST#: 3

Test Start: 2019.04.04 @ 06:19:05

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:31:05

Time Test Ended: 14:13:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4047.00 ft (KB) To 4081.00 ft (KB) (TVD)**

Total Depth: 4081.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2577.00 ft (KB)

2567.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6651 Inside

Press@RunDepth: psig @ 4048.00 ft (KB)

Start Date: 2019.04.04 End Date: 2019.04.04

Start Time: 06:19:36 End Time: 14:13:30

Capacity: 8000.00 psig

Last Calib.: 2019.04.04

Time On Btm:

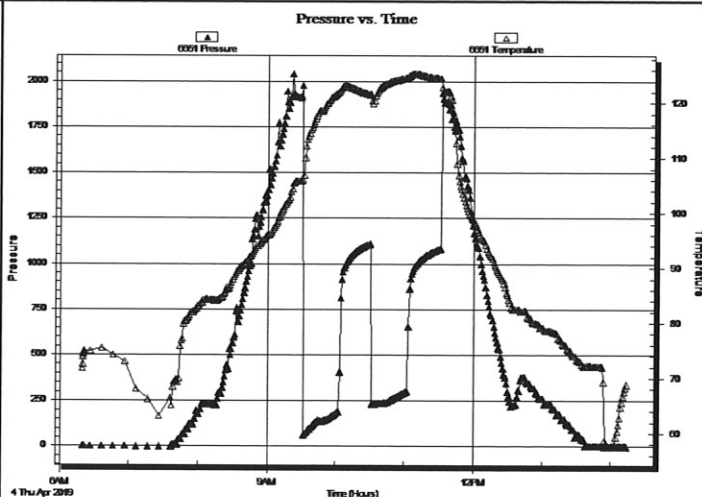
Time Off Btm:

TEST COMMENT: IF: BOB in 2 min. 276"

IS: 38 inches return. Gas to surface

FF: BOB in 5 min. 130"

FS: 40 inches return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcgo 10%g 60%o 30%m	0.91
248.00	mcgo 20%g 70%o 10%m	1.22
186.00	mcgo 60%g 30%o 10%m	2.33
258.00	go 60%g 40%o	3.62

* 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

11-16s-27w Lane,KS

4924 SE 84th St
New ton, KS 67114

Froelich Trust #1

Job Ticket: 65166

DST#: 3

ATTN: Ryan Seib

Test Start: 2019.04.04 @ 06:19:05

Tool Information

Drill Pipe:	Length: 3580.00 ft	Diameter: 3.80 inches	Volume: 50.22 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: 25000.00 lb
Drill Collar:	Length: 465.00 ft	Diameter: 2.25 inches	Volume: 2.29 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 52.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4047.00 ft			Final 87000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	61.00 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			4021.00	
Shut In Tool	5.00			4026.00	
Hydraulic tool	5.00			4031.00	
Jars	5.00			4036.00	
Safety Joint	2.00			4038.00	
Packer	5.00			4043.00	27.00 Bottom Of Top Packer
Packer	4.00			4047.00	
Stubb	1.00			4048.00	
Recorder	0.00	6651	Inside	4048.00	
Recorder	0.00	8166	Outside	4048.00	
Perforations	28.00			4076.00	
Bullnose	5.00			4081.00	34.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

11-16s-27w Lane,KS
Froelich Trust #1
Job Ticket: 65166 **DST#: 3**
Test Start: 2019.04.04 @ 06:19:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	mcgo 10%g 60%o 30%m	0.915
248.00	mcgo 20%g 70%o 10%m	1.220
186.00	mcgo 60%g 30%o 10%m	2.327
258.00	go 60%g 40%o	3.619

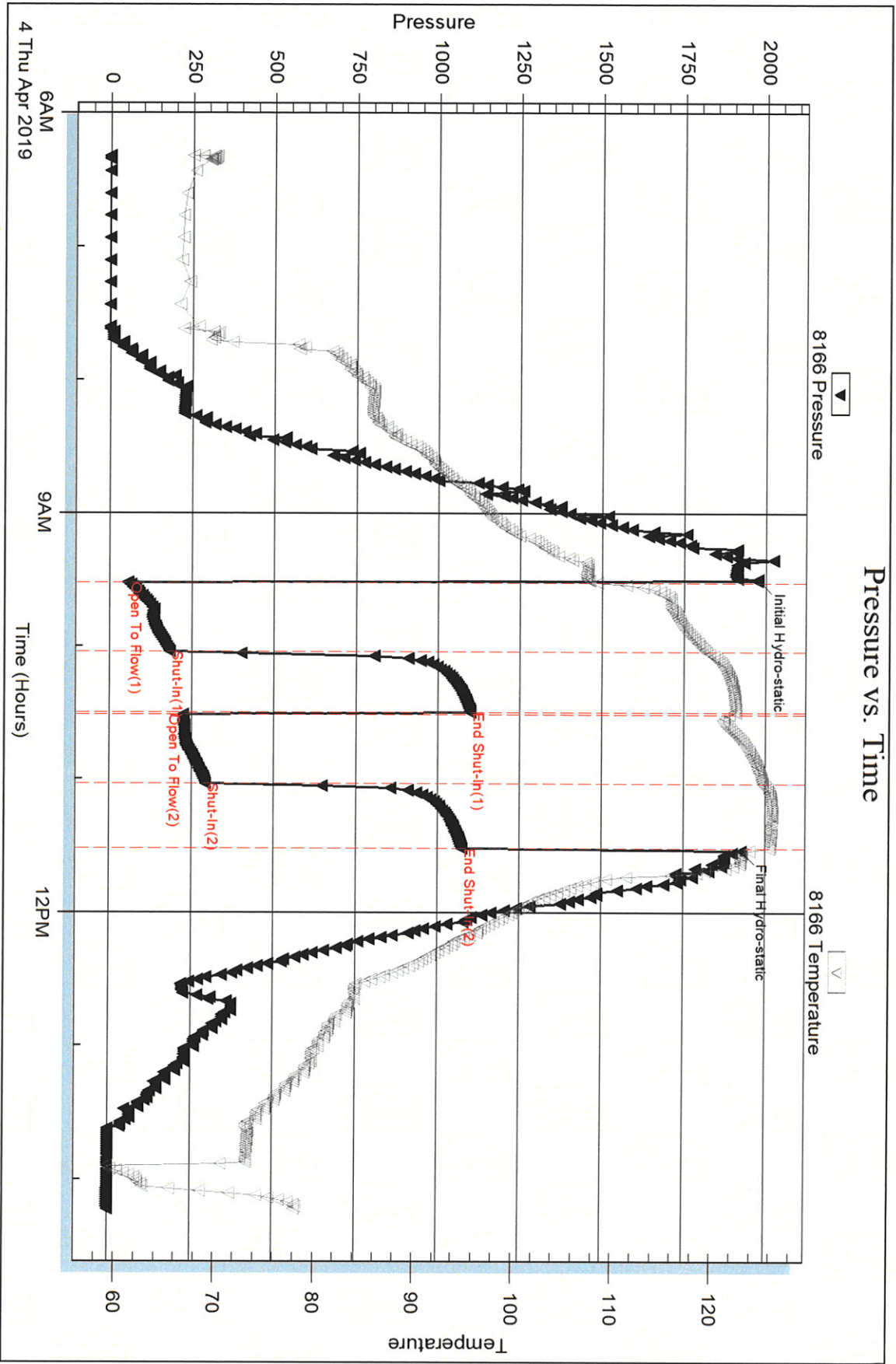
Total Length: 878.00 ft Total Volume: 8.081 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 39@70=38

Serial #: 8166

Outside Palomino Petroleum

Froelich Trust #1

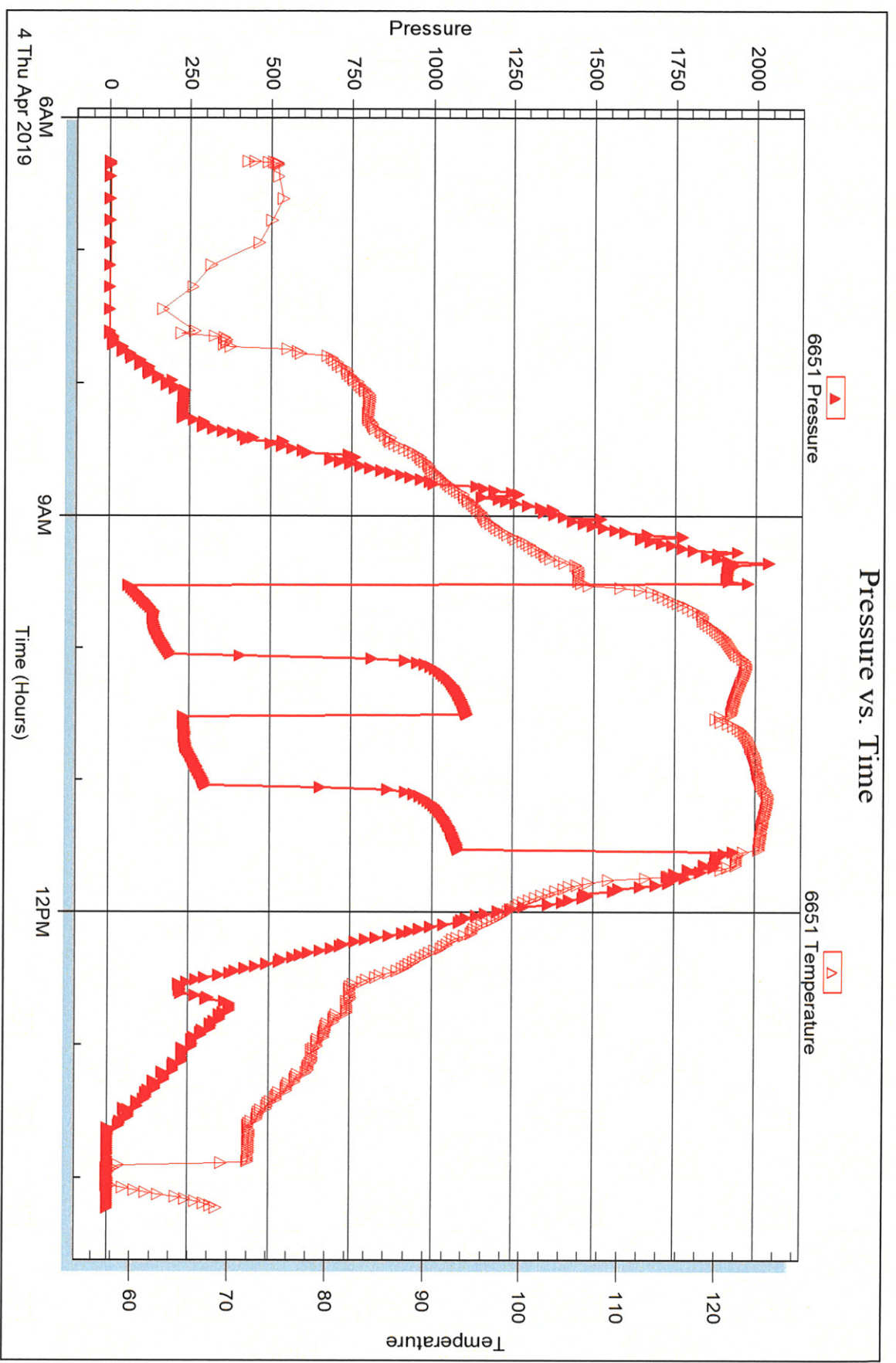
DST Test Number: 3

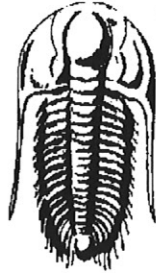


Trilobite Testing, Inc

Ref. No: 65166

Printed: 2019.04.09 @ 16:33:22





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Froelich Trust #1

11-16s-27w Lane,KS

Start Date: 2019.04.05 @ 03:19:45

End Date: 2019.04.05 @ 15:37:15

Job Ticket #: 65167 DST #: 4

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2019.04.09 @ 16:32:58

Palomino Petroleum

11-16s-27w Lane,KS

Froelich Trust #1

DST # 4

Lansing K-L

2019.04.05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

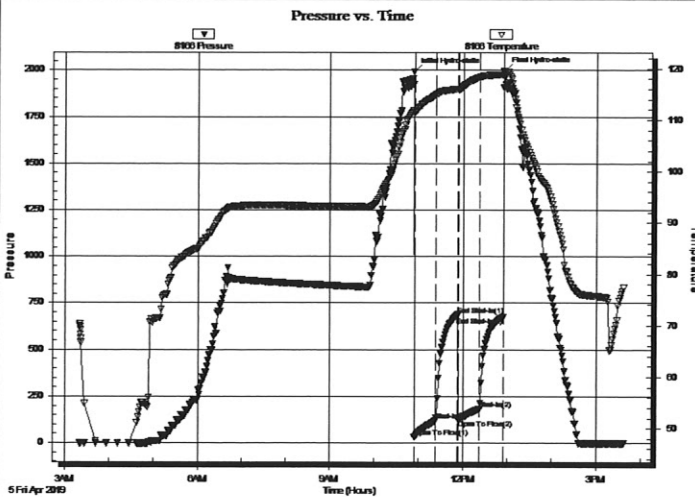
11-16s-27w Lane,KS
Froelich Trust #1
Job Ticket: 65167 DST#: 4
Test Start: 2019.04.05 @ 03:19:45

GENERAL INFORMATION:

Formation: **Lansing K-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:53:45
Time Test Ended: 15:37:15
Interval: **4073.00 ft (KB) To 4149.00 ft (KB) (TVD)**
Total Depth: 4149.00 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: 2577.00 ft (KB)
2567.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: **8166** Outside
Press@RunDepth: 182.50 psig @ 4074.00 ft (KB)
Start Date: 2019.04.05 End Date: 2019.04.05 Capacity: 8000.00 psig
Start Time: 03:19:50 End Time: 15:37:15 Last Calib.: 2019.04.05
Time On Btm: 2019.04.05 @ 10:53:15
Time Off Btm: 2019.04.05 @ 12:56:15

TEST COMMENT: IF: BOB in 9 mins. 25"
IS: Surface blow built to 3/4.
FF: BOB in 9 mins. 22"
FS: Surface blow built to 6 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1990.78	111.93	Initial Hydro-static
1	31.09	111.47	Open To Flow (1)
30	119.08	114.98	Shut-In(1)
60	686.88	116.08	End Shut-In(1)
61	124.96	115.88	Open To Flow (2)
90	182.50	118.37	Shut-In(2)
122	675.89	118.87	End Shut-In(2)
123	1997.08	119.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	ocw m 5%o 25%w 70%m	0.30
124.00	gocw m 20%g 30%o 10%w 40%m	0.61
216.00	gocm 10%g 30%o 60%m	1.06
0.00	280 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

11-16s-27w Lane,KS
Froelich Trust #1
Job Ticket: 65167 DST#: 4
Test Start: 2019.04.05 @ 03:19:45

GENERAL INFORMATION:

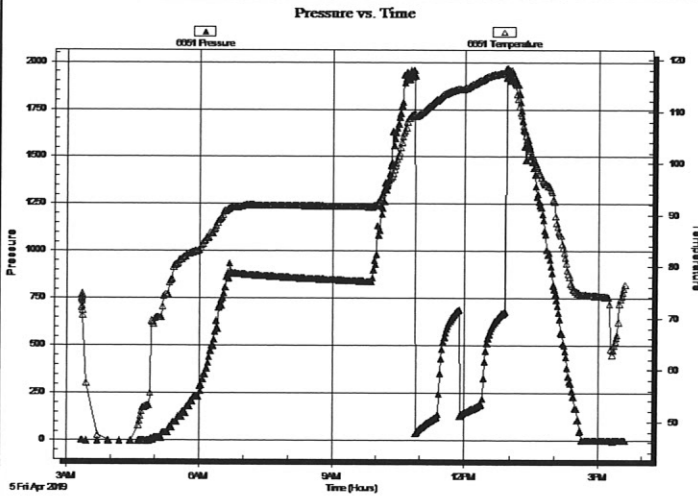
Formation:	Lansing K-L		Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No	Whipstock:		ft (KB)
Time Tool Opened:	10:53:45		Tester:	Brandon Turley
Time Test Ended:	15:37:15		Unit No:	79
Interval:	4073.00 ft (KB) To 4149.00 ft (KB) (TVD)		Reference Elevations:	2577.00 ft (KB)
Total Depth:	4149.00 ft (KB) (TVD)			2567.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Good	KB to GR/CF: 10.00 ft

Serial #: 6651

Inside

Press@RunDepth:	psig @	4074.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2019.04.05	End Date:	2019.04.05	Last Calib.: 2019.04.05
Start Time:	03:19:51	End Time:	15:37:16	Time On Btm:
				Time Off Btm:

TEST COMMENT: IF: BOB in 9 mins. 25"
IS: Surface blow built to 3/4.
FF: BOB in 9 mins. 22"
FS: Surface blow built to 6 "



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	ocw m 5%o 25%w 70%m	0.30
124.00	gocw m 20%g 30%o 10%w 40%m	0.61
216.00	gocm 10%g 30%o 60%m	1.06
0.00	280 GIP	0.00

* 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

11-16s-27w Lane,KS

4924 SE 84th St
New ton, KS 67114

Froelich Trust #1

Job Ticket: 65167

DST#: 4

ATTN: Ryan Seib

Test Start: 2019.04.05 @ 03:19:45

Tool Information

Drill Pipe:	Length: 3604.00 ft	Diameter: 3.80 inches	Volume: 50.55 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: 465.00 ft	Diameter: 2.25 inches	Volume: 2.29 bbl	Weight to Pull Loose: 95000.00 lb
		Total Volume: 52.84 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4073.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4047.00	
Shut In Tool	5.00			4052.00	
Hydraulic tool	5.00			4057.00	
Jars	5.00			4062.00	
Safety Joint	2.00			4064.00	
Packer	5.00			4069.00	27.00 Bottom Of Top Packer
Packer	4.00			4073.00	
Stubb	1.00			4074.00	
Recorder	0.00	6651	Inside	4074.00	
Recorder	0.00	8166	Outside	4074.00	
Perforations	6.00			4080.00	
Change Over Sub	1.00			4081.00	
Drill Pipe	62.00			4143.00	
Change Over Sub	1.00			4144.00	
Bullnose	5.00			4149.00	76.00 Bottom Packers & Anchor

Total Tool Length: 103.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

11-16s-27w Lane,KS

4924 SE 84th St
New ton, KS 67114

Froelich Trust #1

Job Ticket: 65167

DST#: 4

ATTN: Ryan Seib

Test Start: 2019.04.05 @ 03:19:45

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:

47000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	ocw m 5%o 25%w 70%m	0.305
124.00	gocw m 20%g 30%o 10%w 40%m	0.610
216.00	gocm 10%g 30%o 60%m	1.062
0.00	280 GIP	0.000

Total Length: 402.00 ft Total Volume: 1.977 bbl

Num Fluid Samples: 0

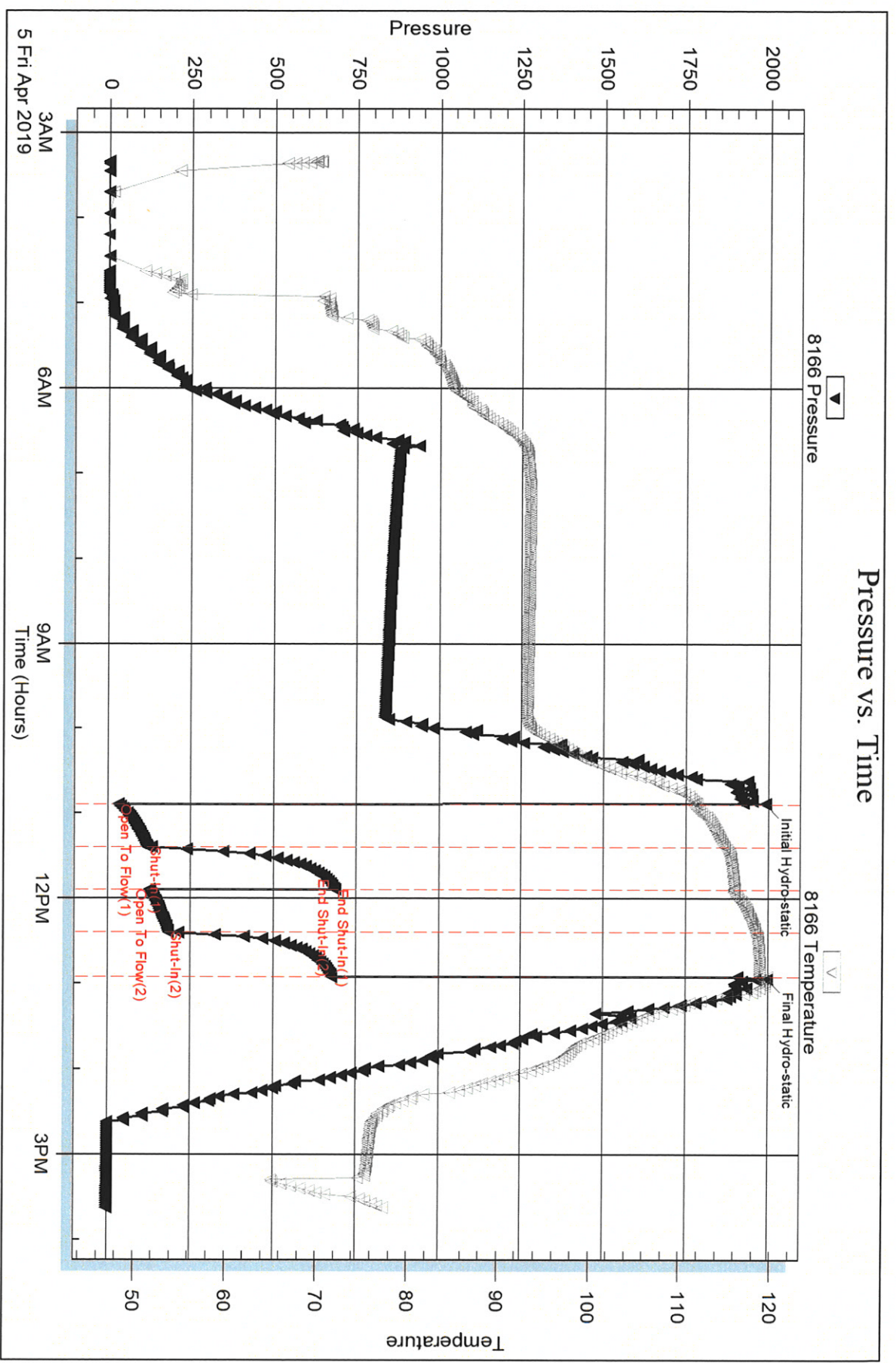
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .14@82=47000



Serial #: 6651

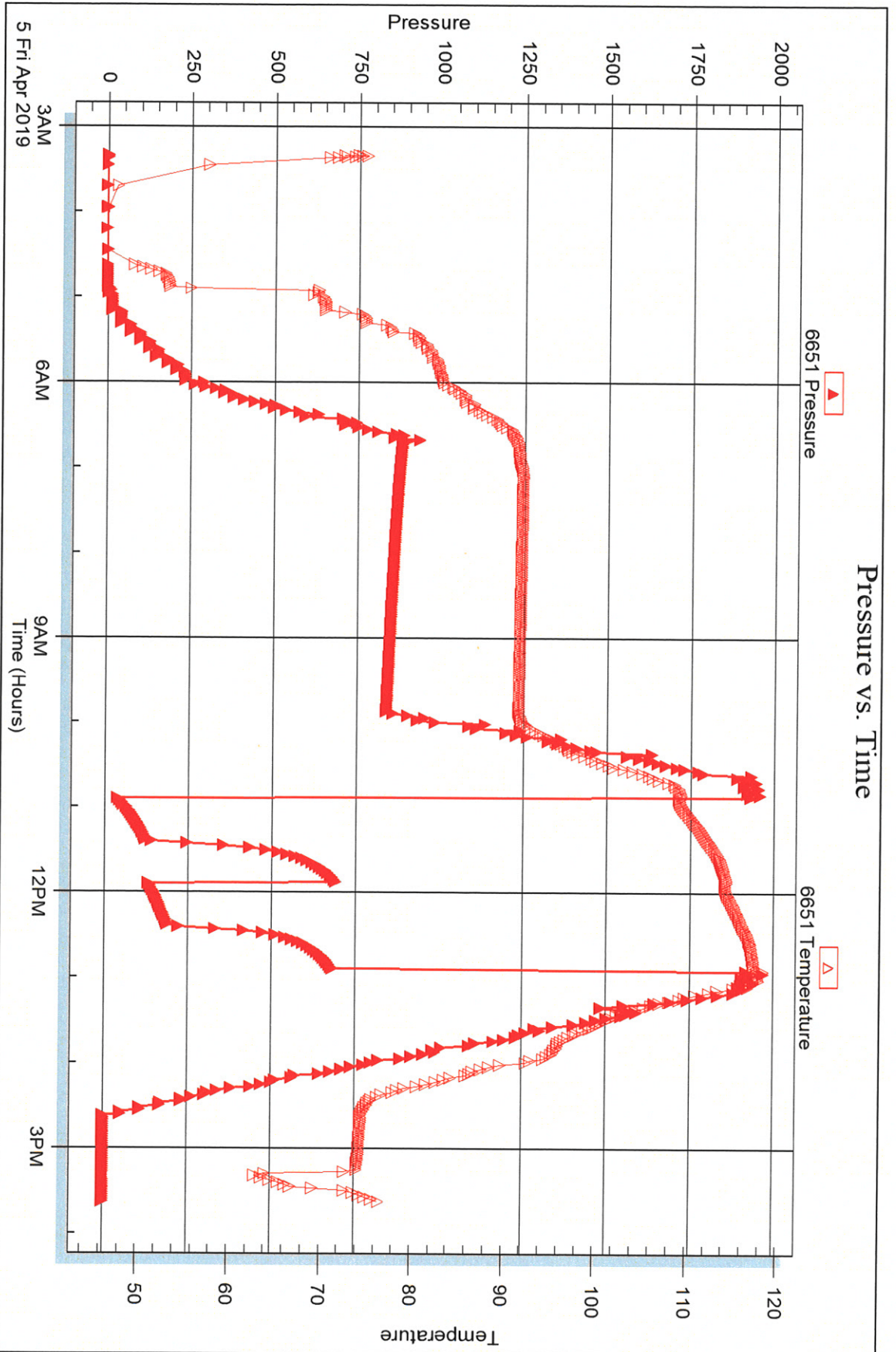
Inside

Palomino Petroleum

Froelich Trust #1

DST Test Number: 4

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Froelich Trust #1

11-16s-27w Lane,KS

Start Date: 2019.04.06 @ 21:30:22

End Date: 2019.04.07 @ 05:17:22

Job Ticket #: 65168 DST #: 5

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

Printed: 2019.04.09 @ 16:29:40



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

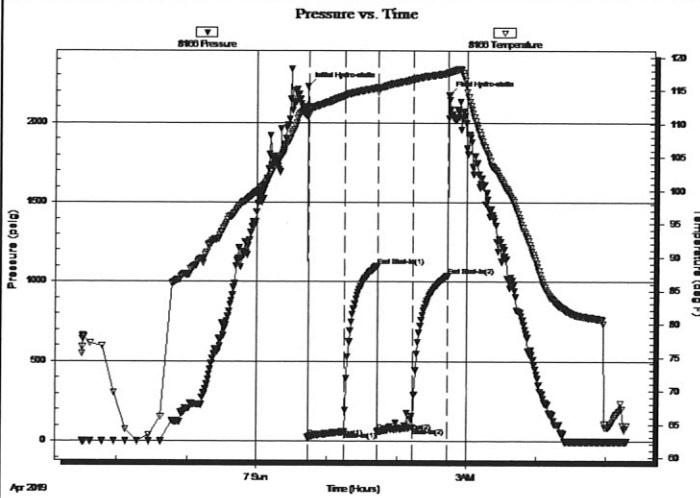
11-16s-27w Lane, KS
Froelich Trust #1
 Job Ticket: 65168 **DST#: 5**
 Test Start: 2019.04.06 @ 21:30:22

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:43:52
 Time Test Ended: 05:17:22
 Interval: **4354.00 ft (KB) To 4459.00 ft (KB) (TVD)**
 Total Depth: 4459.00 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: 2577.00 ft (KB)
 2567.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 86.64 psig @ 4355.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.06 End Date: 2019.04.07 Last Calib.: 2019.04.07
 Start Time: 21:30:27 End Time: 05:17:21 Time On Btm: 2019.04.07 @ 00:43:22
 Time Off Btm: 2019.04.07 @ 02:44:52

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.43	112.58	Initial Hydro-static
1	23.36	111.34	Open To Flow (1)
31	59.69	114.19	Shut-In(1)
59	1101.57	115.41	End Shut-In(1)
60	60.91	114.84	Open To Flow (2)
90	86.64	116.62	Shut-In(2)
120	1036.52	117.58	End Shut-In(2)
122	2173.80	117.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	ocm 2%o 98%m	0.30
82.00	mud 100%m	0.40

* 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

11-16s-27w Lane,KS

4924 SE 84th St
New ton, KS 67114

Froelich Trust #1

Job Ticket: 65168

DST#: 5

ATTN: Ryan Seib

Test Start: 2019.04.06 @ 21:30:22

Tool Information

Drill Pipe:	Length: 3892.00 ft	Diameter: 3.80 inches	Volume: 54.59 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: 25000.00 lb
Drill Collar:	Length: 465.00 ft	Diameter: 2.25 inches	Volume: 2.29 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 56.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4354.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	132.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4328.00	
Shut In Tool	5.00			4333.00	
Hydraulic tool	5.00			4338.00	
Jars	5.00			4343.00	
Safety Joint	2.00			4345.00	
Packer	5.00			4350.00	27.00 Bottom Of Top Packer
Packer	4.00			4354.00	
Stubb	1.00			4355.00	
Recorder	0.00	6651	Inside	4355.00	
Recorder	0.00	8166	Outside	4355.00	
Perforations	4.00			4359.00	
Change Over Sub	1.00			4360.00	
Drill Pipe	93.00			4453.00	
Change Over Sub	1.00			4454.00	
Bullnose	5.00			4459.00	105.00 Bottom Packers & Anchor

Total Tool Length: 132.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

11-16s-27w Lane,KS

4924 SE 84th St
New ton, KS 67114

Froelich Trust #1

Job Ticket: 65168

DST#: 5

ATTN: Ryan Seib

Test Start: 2019.04.06 @ 21:30:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	ocm 2%o 98%m	0.305
82.00	mud 100%m	0.403

Total Length: 144.00 ft Total Volume: 0.708 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

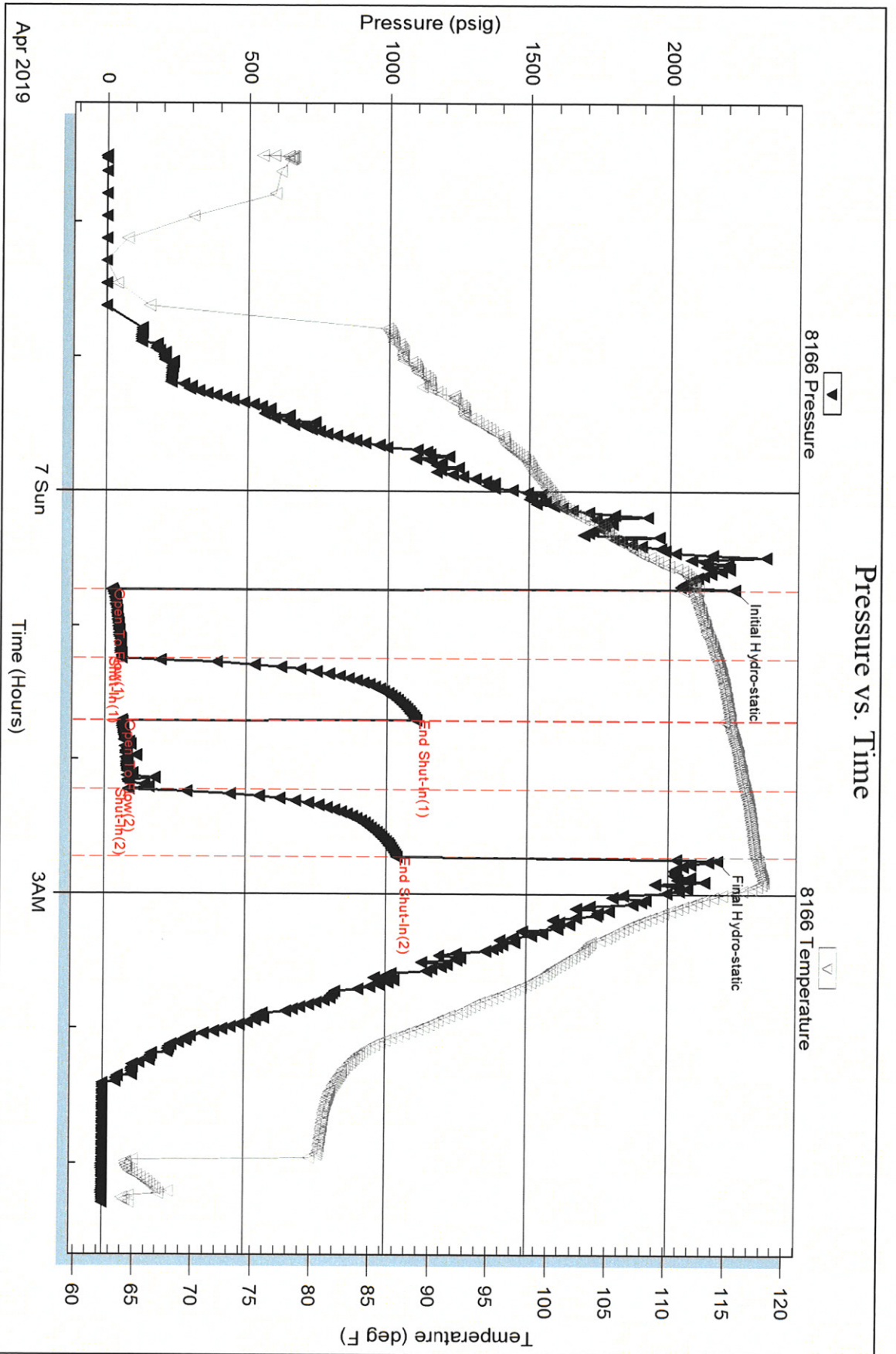
Recovery Comments:

Serial #: 8166

Outside Palomino Petroleum

Froelich Trust #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 65168

Printed: 2019.04.09 @ 16:29:41

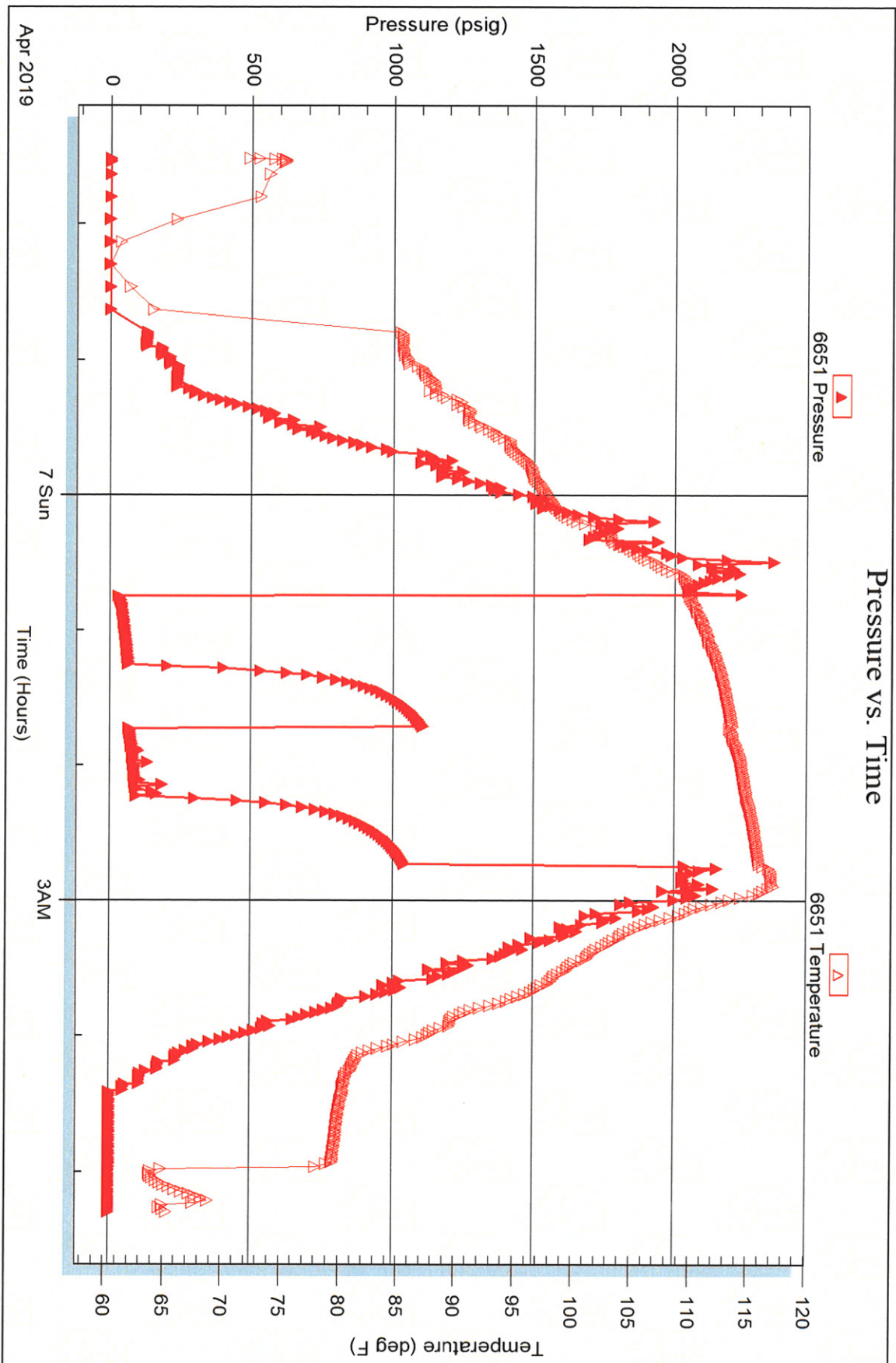
Serial #: 6651

Inside

Palomino Petroleum

Froelich Trust #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 65168

Printed: 2019.04.09 @ 16:29:41



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65164

Well Name & No. Froelich Trust #1 Test No. 1 Date 4-1-19
 Company Palomino Petroleum Elevation 2577 KB 2567 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW#24
 Location: Sec. 11 Twp 16S Rge. 27W Co. Lyne State KS

Interval Tested 3910 3940 Zone Tested Lensing E
 Anchor Length 30 Drill Pipe Run 3424 Mud Wt. 9.0
 Top Packer Depth 3905 Drill Collars Run 465 Vis 59
 Bottom Packer Depth 3910 Wt. Pipe Run — WL 6.4
 Total Depth 3940 Chlorides 4600 ppm System LCM 2

Blow Description IF: 1/4 blow built to 1.
IS: No return.
FF: Surface blow built to 1/4.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>mud oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 1956 Test 1200 T-On Location 21:45
 (B) First Initial Flow 14 Jars 250 T-Started 23:25
 (C) First Final Flow 23 Safety Joint 75 T-Open 7:20
 (D) Initial Shut-In 845 Circ Sub NIC T-Pulled 9:20
 (E) Second Initial Flow 25 Hourly Standby 5-500.00 2.5 250 T-Out 11:35
 (F) Second Final Flow 30 Mileage 106-106 Comments on the bank
 (G) Final Shut-In 778 Sampler — at 23:00
 (H) Final Hydrostatic 1884 Straddle —

Initial Open 30 Shale Packer — EM Tool —
 Initial Shut-In 30 Extra Packer — Ruined Shale Packer —
 Final Flow 30 Extra Recorder — Ruined Packer —
 Final Shut-In 30 Day Standby — Extra Copies —
 Sub Total 0 Accessibility —
 Sub Total 1881 MP/DST Disc't —

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. 65165

Well Name & No. Froelich Trust #1 Test No. 2 Date 4-3-19
 Company Palomino Petroleum Elevation 2577 KB 2567 GL
 Address _____
 Co. Rep / Geo. Ryan Scib Rig WW#24
 Location: Sec. 11 Twp 16S Rge. 27W Co. Lyne State KS

Interval Tested 3983 4050 Zone Tested Lansing H-F
 Anchor Length 67 Drill Pipe Run 3518 Mud Wt. 9.0
 Top Packer Depth 3978 Drill Collars Run 465 Vis 57
 Bottom Packer Depth 3983 Wt. Pipe Run — WL 7.2
 Total Depth 4050 Chlorides 6000 ppm System LCM 2

Blow Description IF: BOB in 2 min. 160"
FS: 1/4 blow built to 20"
FF: BOB in 2 min. 110"
FS: 43"

Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>90cm</u>	<u>5</u>	<u>10</u>	<u>85</u>	<u>—</u>
<u>310</u>	<u>90cm</u>	<u>10</u>	<u>20</u>	<u>70</u>	<u>—</u>
<u>434</u>	<u>mcgo</u>	<u>30</u>	<u>60</u>	<u>10</u>	<u>—</u>
Rec _____	Feet of <u>3007 GIP</u>	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 899 BHT 120 Gravity 39 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 1991 Test 1300 T-On Location 10:50
 (B) First Initial Flow 106 Jars 250 T-Started 11:11
 (C) First Final Flow 241 Safety Joint 75 T-Open 13:34
 (D) Initial Shut-In 839 Circ Sub N/C T-Pulled 15:14
 (E) Second Initial Flow 259 Hourly Standby _____ T-Out 18:40
 (F) Second Final Flow 318 Mileage 106-x2 106+106 Comments Rig broke down
 (G) Final Shut-In 827 Sampler _____ had to drive back
 (H) Final Hydrostatic 1972 Straddle _____ Home

Initial Open 20 Shale Packer _____ EM Tool _____
 Initial Shut-In 30 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 20 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 30 Day Standby _____ Extra Copies _____
 Sub Total 1837 Accessibility _____ Sub Total 0
 Total 1837 MP/DST Disc't _____

Approved By [Signature] 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.



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65166

Well Name & No. Froelich Trust #1 Test No. 3 Date 4-4-19
 Company Palomino Petroleum Elevation 2577 KB 2567 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW #24
 Location: Sec. 11 Twp 16S Rge. 27W Co. Lane State KS

Interval Tested 4047 4081 Zone Tested Lmsing J
 Anchor Length 34 Drill Pipe Run 3580 Mud Wt. 9.0
 Top Packer Depth 4042 Drill Collars Run 465 Vis 57
 Bottom Packer Depth 4047 Wt. Pipe Run — WL 7.2
 Total Depth 4081 Chlorides 6000 ppm System LCM 2

Blow Description IF: BoB in 2 min. 276
IS: 38 inches on return, 675 to surface
FF: BoB in 5 min. 130"
FS: 40 inches return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>258</u>	<u>90</u>	<u>60</u>	<u>40</u>		
<u>186</u>	<u>ML90</u>	<u>60</u>	<u>30</u>		<u>10</u>
<u>248</u>	<u>ML90</u>	<u>20</u>	<u>70</u>		<u>10</u>
<u>186</u>		<u>10</u>	<u>60</u>		<u>30</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 878 BHT 125 Gravity 38 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 1975 Test 1300 T-On Location 6:05
 (B) First Initial Flow 55 Jars 250 T-Started 6:19
 (C) First Final Flow 182 Safety Joint 75 T-Open 9:31
 (D) Initial Shut-In 1101 Circ Sub NIC T-Pulled 11:31
 (E) Second Initial Flow 223 Hourly Standby _____ T-Out 14:17
 (F) Second Final Flow 292 Mileage 106 - 106 Comments _____
 (G) Final Shut-In 1074 Sampler _____
 (H) Final Hydrostatic 1925 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Sub Total 1731 Accessibility _____
 Total 1731 EM Tool _____
 MP/DST Disc't _____ Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1731

Approved By [Signature] Our Representative [Signature]

Tribolite 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. 65167

Well Name & No. Froelich Trust #1 Test No. 4 Date 4-5-19
 Company Pyromino Petroleum Elevation 2577 KB 2567 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW #24
 Location: Sec. 11 Twp 16S Rge. 27W Co. Lane State KS

Interval Tested 4073 4149 Zone Tested Lensing K & L
 Anchor Length 76 Drill Pipe Run 3604 Mud Wt. 9.3
 Top Packer Depth 4068 Drill Collars Run 465 Vis 60
 Bottom Packer Depth 4073 Wt. Pipe Run — WL 6.4
 Total Depth 4149 Chlorides 3600 ppm System LCM 2

Blow Description IF! BoB in 9 mins, 25"
IS! surface blow built to 3/4.
FF! BoB in 9 mins, 22"
FS! surface blow built to 6."

Rec	Feet of	%gas	%oil	%water	%mud
<u>216</u>	<u>90cm</u>	<u>10</u>	<u>30</u>	<u>60</u>	<u>—</u>
<u>124</u>	<u>90cm</u>	<u>20</u>	<u>30</u>	<u>10</u>	<u>40</u>
<u>62</u>	<u>0cm</u>	<u>5</u>	<u>25</u>	<u>70</u>	<u>—</u>
Rec	Feet of <u>280 GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 402 BHT 116 Gravity — API RW .14 @ 82° F Chlorides 47,000 ppm
 (A) Initial Hydrostatic 1990 Test 1300 T-On Location 3:05
 (B) First Initial Flow 31 Jars 250 T-Started 3:19
 (C) First Final Flow 119 Safety Joint 75 T-Open 10:53
 (D) Initial Shut-In 686 Circ Sub NIL T-Pulled 12:53
 (E) Second Initial Flow 124 Hourly Standby 2 1/2 - 250.00 T-Out 15:35
 (F) Second Final Flow 182 Mileage 106 - 106 Comments _____
 (G) Final Shut-In 675 Sampler _____
 (H) Final Hydrostatic 1997 Straddle _____

Initial Open 30 Shale Packer _____ EM Tool _____
 Initial Shut-In 30 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 30 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 30 Day Standby _____ Extra Copies _____
 Sub Total 0 Total 1981 MP/DST Disc't _____
 Sub Total 1981

Approved By ASA 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. 65168

Well Name & No. Kroelich Trust #1 Test No. 5 Date 4-6-19
 Company Palomino Petroleum Elevation 2577 KB 2567 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW #24
 Location: Sec. 11 Twp 16S Rge. 27W Co. Lyme State KS

Interval Tested 4354 4459 Zone Tested M:55
 Anchor Length 105 Drill Pipe Run 3892 Mud Wt. 9.2
 Top Packer Depth 4349 Drill Collars Run 465 Vls 60
 Bottom Packer Depth 4354 Wt. Pipe Run — WL 6.8
 Total Depth 4459 Chlorides 3500 ppm System LCM 1

Blow Description IF: 1/2 blow built to 2 1/2.
IS: No return.
FF: Surface blow built to 1 1/2.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>82</u>	<u>mud</u>			<u>100</u>	
<u>62</u>	<u>ocm</u>		<u>2</u>	<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 144 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2229 Test 1300 T-On Location 20:50
 (B) First Initial Flow 23 Jars 250 T-Started 21:30
 (C) First Final Flow 59 Safety Joint 75 T-Open 00:43
 (D) Initial Shut-In 1101 Circ Sub NC T-Pulled 2:43
 (E) Second Initial Flow 60 Hourly Standby _____ T-Out 5:20
 (F) Second Final Flow 86 Mileage 106-X2 106+106 Comments _____
 (G) Final Shut-In 1036 Sampler _____ loaded tools 4/7 18:45
 (H) Final Hydrostatic 2173 Straddle _____
 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 1837
 Total 1837
 MP/DSF Disc't _____

Approved By _____ Our Representative [Signature]

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