

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)</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:	
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	GROOM-ALBIN 1
Doc ID	1364736

All Electric Logs Run

Dual Induction
Micro
Litho Density Neutron
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	GROOM-ALBIN 1
Doc ID	1364736

Tops

Name	Top	Datum
Anhy.	1910	(+ 535)
Base Anhy.	1948	(+ 497)
Heebner	3677	(-1232)
Lansing	3714	(-1269)
Muncie Creek	3869	(-1424)
Stark Sh.	3952	(-1507)
BKC	4003	(-1558)
Marmaton	4019	(-1574)
Pawnee	4147	(-1702)
Ft. Scott	4210	(-1765)
Cherokee Sh.	4237	(-1792)
Miss.	4320	(-1875)
LTD	4503	(-2058)



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

Date: 6/20/2017
 Invoice # 1884

P.O.#:
 Due Date: 7/20/2017
 Division: Russell

RECEIVED
 JUN 22 2017

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference: DIETZ-3 Groom-Albin #1

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 601.97	Yes				
Common-Class A	144	\$ 1,612.80	Yes				
POZ Mix-Standard	96	\$ 453.40	Yes				
Premium Gel (Bentonite)	9	\$ 176.10	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 168.00	Yes				
Pump Truck Mileage-Job to Nearest Camp	49	\$ 148.77	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	49	\$ 115.71	Yes				
Flo Seal	60	\$ 80.96	Yes				
Dry Hole Plug	1	\$ 37.78	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,395.49
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (84.89)

SubTotal for Taxable Items:	\$ 3,310.60
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 3,310.60
Tax:	\$ 281.40

8.50% Gove County Sales Tax

Thank You For Your Business!

Amount Due: \$ 3,592.00
Applied Payments:
Balance Due: \$ 3,592.00

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 1884

Date	6-20-17	Sec.	25	Twp.	14	Range	27	County	Gove	State	KS	On Location		Finish	11:30 AM
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Location Quinter 16 S to Rd J 1 1/2 W

Lease	<u>Groom Albin</u>	Well No.	<u>#1</u>	Owner	
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Contractor	<u>WW 4</u>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
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Type Job	<u>Plug</u>		Charge To <u>Palomino Petroleum</u>
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Hole Size	<u>7 7/8</u>	T.D.	
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Csg.	<u>Drill Pipe</u>	Depth	Street
------	-------------------	-------	--------

Tbg. Size		Depth	City	State
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Tool		Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
------	--	-------	--	--

Cement Left in Csg.		Shoe Joint	Cement Amount Ordered	<u>240</u> ^{60/40} <u>40</u> ^{6el} <u>1/4</u> ^{6/6}
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Meas Line		Displace	
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EQUIPMENT

Pumptrk	<u>5</u>	No.	Cementer		Common	<u>144</u>
			Helper	<u>Brett</u>	Poz. Mix	<u>96</u>
Bulktrk	<u>15</u>	No.	Driver		Gel.	<u>9</u>
			Driver	<u>Jordan</u>	Calcium	
Bulktrk		No.	Driver			
			Driver			

JOB SERVICES & REMARKS

Remarks:		Hulls	
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Rat Hole	<u>- 30 sx</u>	Salt	
----------	----------------	------	--

Mouse Hole		Flowseal	<u>60#</u>
------------	--	----------	------------

Centralizers		Kol-Seal	
--------------	--	----------	--

Baskets		Mud CLR 48	
---------	--	------------	--

DV or Port Collar		CFL-117 or CD110 CAF 38	
-------------------	--	-------------------------	--

<u>1st 1930 w/ 50 sx</u>		Sand	
--------------------------	--	------	--

<u>2nd 930 w/ 100 sx</u>		Handling	<u>249</u>
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<u>3rd 280 w/ 50 sx</u>		Mileage	<u>8 5/9</u> FLOAT EQUIPMENT
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<u>4th 40 w/ 10 sx</u>		Guide Shoe	
------------------------	--	------------	--

		Centralizer	
--	--	-------------	--

		Baskets	
--	--	---------	--

		AFU Inserts	
--	--	-------------	--

		Float Shoe	
--	--	------------	--

		Latch Down	
--	--	------------	--

		Wood Plug = 1	
--	--	---------------	--

		Pumptrk Charge	<u>plug</u>
--	--	----------------	-------------

		Mileage	<u>49</u>
--	--	---------	-----------

		Tax	
		Discount	
		Total Charge	

X Signature

[Handwritten Signature]



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

RECEIVED
 JUN 19 2017

Date: 6/13/2017
 Invoice # 1564
 P.O.#:
 Due Date: 7/13/2017
 Division: Russell

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 GROOM ALBIN 1 SEC 25-14-27

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 601.97	No				
Common-Class A	120	\$ 1,344.00	Yes				
Calcium Chloride	6	\$ 226.70	Yes				
POZ Mix-Standard	30	\$ 141.69	Yes				
Pump Truck Mileage-Job to Nearest Camp	49	\$ 148.77	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	49	\$ 115.71	No				
Bulk Truck Matl-Material Service Charge	159	\$ 107.28	No				
Premium Gel (Bentonite)	3	\$ 58.70	Yes				
Sugar	25	\$ 10.12	Yes				

Invoice Terms:

Net 30

	<i>SubTotal:</i>	\$ 2,754.93
	<i>Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:</i>	\$ (68.87)
<hr/>		
	SubTotal for Taxable Items:	\$ 1,736.67
	SubTotal for Non-Taxable Items:	\$ 949.38
<hr/>		
	Total:	\$ 2,686.06
	Tax:	\$ 147.62
<hr/>		
	Amount Due:	\$ 2,833.68

8.50% Gove County Sales Tax

Thank You For Your Business!

Applied Payments:
Balance Due: \$ 2,833.68

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

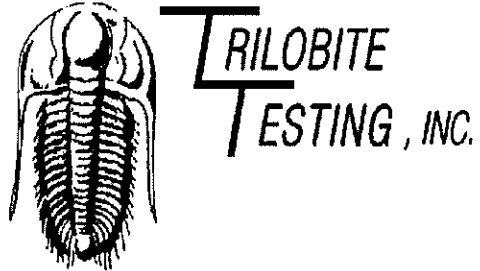
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 1564

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-13-17	25	14	27	Cove	KS		12:30 AM
Lease <i>Cove</i>				Well No. <i>1</i>		Owner	
Contractor <i>WW #8</i>				Type Job <i>Surface</i>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size <i>12 1/4</i>				T.D. <i>219</i>		Charge To <i>Pelomino Petroleum</i>	
Csg. <i>8 5/8</i>				Depth <i>218</i>		Street	
Tbg. Size				Depth		City State	
Tool				Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg. <i>10'</i>				Shoe Joint		Cement Amount Ordered <i>150 80/20 3 1/4 2 CLR</i>	
Meas Line				Displace <i>1336</i>		<i>25# Sugar</i>	
EQUIPMENT				Common <i>120</i>			
Pumptrk	No. <i>5</i>	Cementer <i>Back</i>	Helper	Poz. Mix <i>30</i>			
Bulktrk	No.	Driver <i>Back</i>	Driver	Gel. <i>3</i>			
Bulktrk	No. <i>15</i>	Driver <i>Back</i>	Driver <i>Back</i>	Calcium <i>6</i>			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt <i>Sugar 25#</i>			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<i>Cement Circulated!</i>				Handling <i>139</i>			
				Mileage			
				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <i>Surface</i>			
				Mileage <i>49</i>			
				Tax			
				Discount			
				Total Charge			
X Signature							



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th ST
Newton KS 67114+8827

ATTN: Andrew Stenzel

Groom-Albin #1

S25-14S-27W Gove,KS

Start Date: 2017.06.17 @ 09:39:00

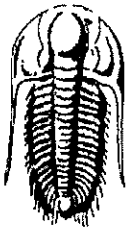
End Date: 2017.06.17 @ 15:28:30

Job Ticket #: 63223 DST #: 1

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

Printed: 2017.06.21 @ 09:19:04

Palomino Petroleum, Inc. S25-14S-27W Gove,KS Groom-Albin #1 DST # 1 LKC "K" 2017.06.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

S25-14S-27W Gove,KS

4924 SE 84th ST
New ton KS 67114+8827

Groom-Albin #1

Job Ticket: 63223

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2017.06.17 @ 09:39:00

GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: **11:49:15**

Time Test Ended: **15:28:30**

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Spencer J. Staab**

Unit No: **84**

Interval: **3945.00 ft (KB) To 4006.00 ft (KB) (TVD)**

Total Depth: **4006.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2445.00 ft (KB)**

2440.00 ft (CF)

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

Serial #: 8934

Inside

Press@RunDepth: **22.35 psig @ 3949.00 ft (KB)**

Start Date: **2017.06.17**

End Date: **2017.06.17**

Start Time: **09:39:15**

End Time: **15:28:30**

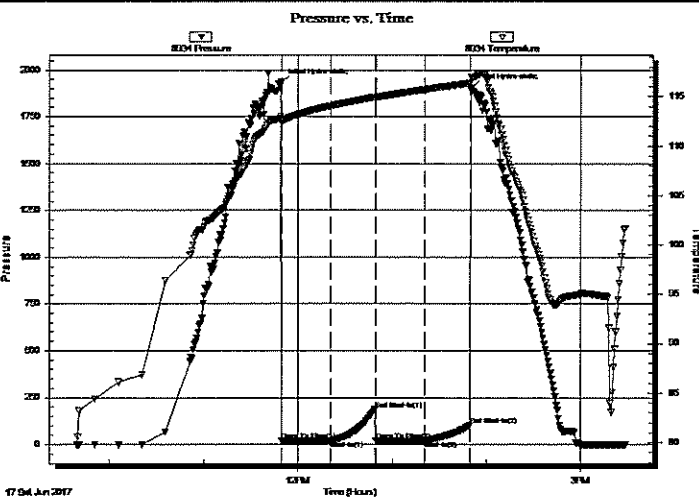
Capacity: **8000.00 psig**

Last Calib.: **2017.06.17**

Time On Btm: **2017.06.17 @ 11:49:00**

Time Off Btm: **2017.06.17 @ 13:51:00**

TEST COMMENT: 30-IF-Weak Blow ; Started 1/4" died in 25 mins
30-ISI-No Blow Back
30-FF-Very Weak Blow ; Surface Blow died in 5 mins
30-FSI-No Blow Back



PRESSURE SUMMARY

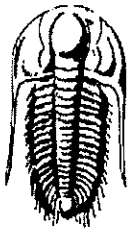
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1932.51	113.01	Initial Hydro-static
1	18.91	112.31	Open To Flow (1)
32	20.78	114.06	Shut-In(1)
60	187.59	114.96	End Shut-In(1)
61	20.71	114.91	Open To Flow (2)
92	22.35	115.71	Shut-In(2)
121	103.60	116.38	End Shut-In(2)
122	1903.00	116.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
5.00	Mud 100%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

S25-14S-27W Gove,KS

4924 SE 84th ST
New ton KS 67114+8827

Groom-Albin #1

Job Ticket: 63223

DST#: 1

ATTN: Andrew Stenzel

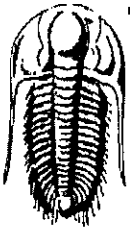
Test Start: 2017.06.17 @ 09:39:00

Tool Information

Drill Pipe:	Length: 3810.00 ft	Diameter: 3.80 inches	Volume: 53.44 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 116.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 54.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3945.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	89.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3918.00	
Shut In Tool	5.00			3923.00	
Hydraulic tool	5.00			3928.00	
Jars	5.00			3933.00	
Safety Joint	3.00			3936.00	
Packer	5.00			3941.00	28.00 Bottom Of Top Packer
Packer	4.00			3945.00	
Stubb	1.00			3946.00	
Perforations	2.00			3948.00	
Change Over Sub	1.00			3949.00	
Recorder	0.00	9120	Inside	3949.00	
Recorder	0.00	8934	Inside	3949.00	
Drill Pipe	32.00			3981.00	
Change Over Sub	1.00			3982.00	
Perforations	20.00			4002.00	
Bullnose	4.00			4006.00	61.00 Bottom Packers & Anchor
Total Tool Length:	89.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

S25-14S-27W Gove,KS

4924 SE 84th ST
New ton KS 67114+8827

Groom-Albin #1

Job Ticket: 63223

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2017.06.17 @ 09:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	Mud 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

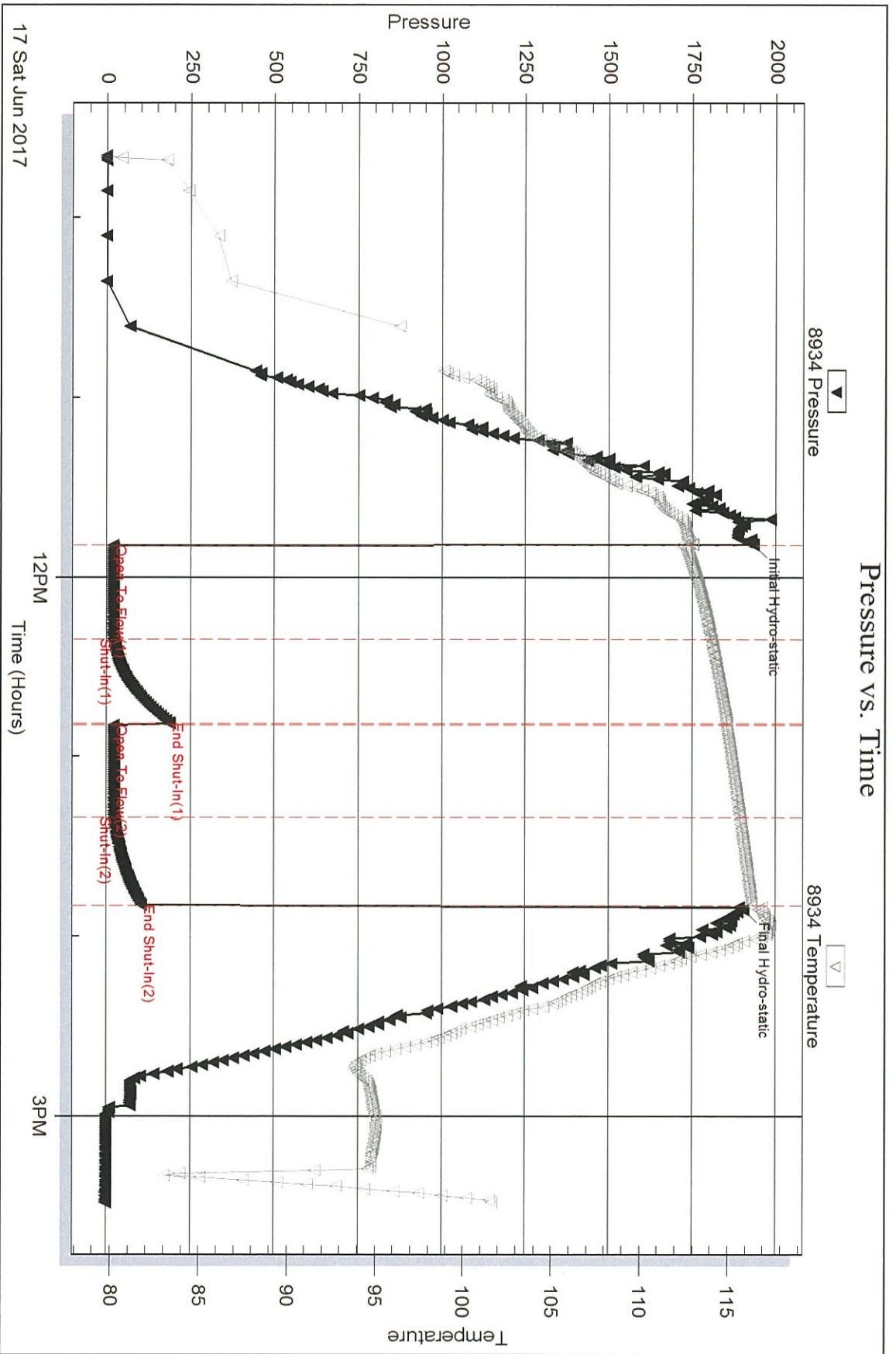
Serial #: 8934

Inside

Palorino Petroleum, Inc.

Groom-Albin #1

DST Test Number: 1



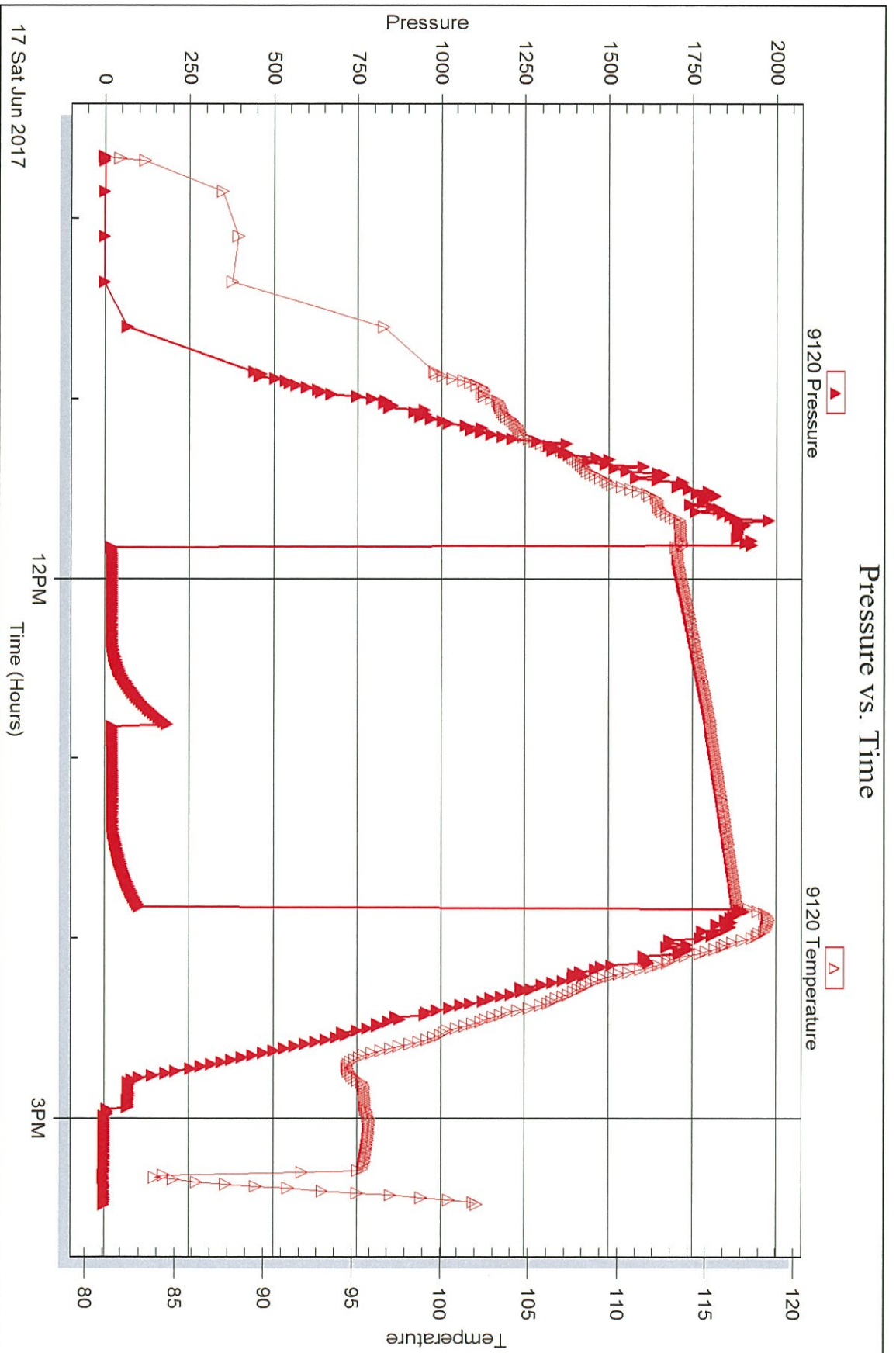
Serial #: 9120

Inside

Palomino Petroleum, Inc.

Groom-Albin #1

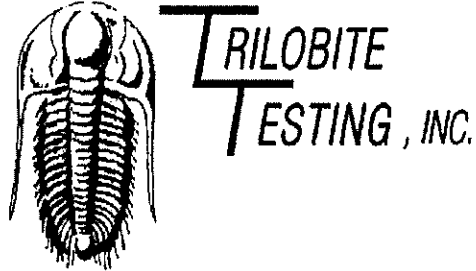
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63223

Printed: 2017.06.21 @ 09:19:05



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th ST
Newton KS 67114+8827

ATTN: Andrew Stenzel

Groom-Albin #1

S25-14S-27W Gove,KS

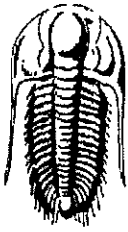
Start Date: 2017.06.19 @ 03:40:00

End Date: 2017.06.19 @ 11:31:00

Job Ticket #: 63224 DST #: 2

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

Printed: 2017.06.21 @ 09:11:07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th ST
New ton KS 67114+8827

ATTN: Andrew Stenzel

S25-14S-27W Gove,KS

Groom-Albin #1

Job Ticket: 63224

DST#: 2

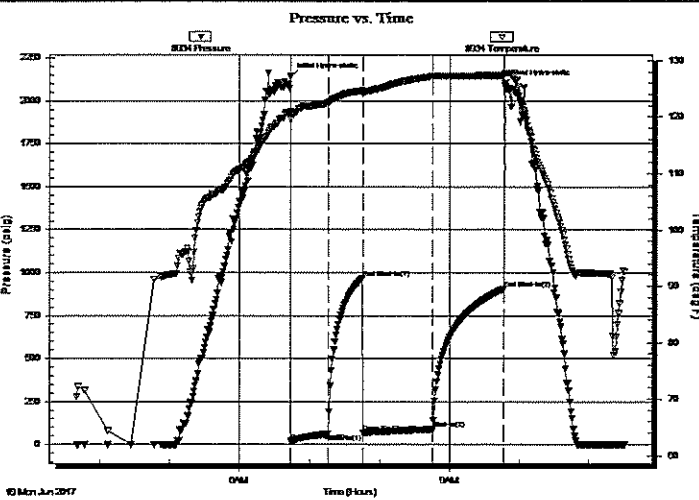
Test Start: 2017.06.19 @ 03:40:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:44:15
 Tester: Spencer J. Staab
 Time Test Ended: 11:31:00
 Unit No: 84
 Interval: **4308.00 ft (KB) To 4333.00 ft (KB) (TVD)**
 Reference Elevations: 2445.00 ft (KB)
 Total Depth: 4333.00 ft (KB) (TVD)
 2440.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8934 Outside
 Press@RunDepth: 88.47 psig @ 4309.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.06.19 End Date: 2017.06.19 Last Calib.: 2017.06.19
 Start Time: 03:40:15 End Time: 11:31:00 Time On Btm: 2017.06.19 @ 06:44:00
 Time Off Btm: 2017.06.19 @ 09:47:30

TEST COMMENT: 30-IF-Weak Blow ; Built from surface to 3 1/4"
 30-IS-No Return
 60-FF-Weak Blow ; Built from surface to 1 1/4"
 60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.54	120.93	Initial Hydro-static
1	18.45	119.62	Open To Flow (1)
32	63.80	122.46	Shut-In(1)
61	968.56	124.62	End Shut-In(1)
62	67.09	124.09	Open To Flow (2)
122	88.47	127.25	Shut-In(2)
183	905.66	127.40	End Shut-In(2)
184	2101.66	127.79	Final Hydro-static

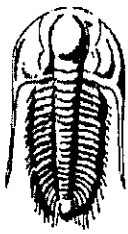
Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW 40%M 60%W	0.31
62.00	WCM 30%W 70%M	0.39
45.00	Mud 100%M	0.63

* 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.

S25-14S-27W Gove,KS

4924 SE 84th ST
New ton KS 67114+8827

Groom-Albin #1

Job Ticket: 63224

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2017.06.19 @ 03:40:00

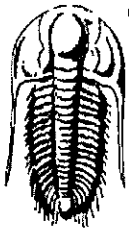
Tool Information

Drill Pipe:	Length: 4191.00 ft	Diameter: 3.80 inches	Volume: 58.79 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 116.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 59.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4308.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4281.00	
Shut In Tool	5.00			4286.00	
Hydraulic tool	5.00			4291.00	
Jars	5.00			4296.00	
Safety Joint	3.00			4299.00	
Packer	5.00			4304.00	28.00 Bottom Of Top Packer
Packer	4.00			4308.00	
Stubb	1.00			4309.00	
Recorder	0.00	9120	Inside	4309.00	
Recorder	0.00	8934	Outside	4309.00	
Perforations	20.00			4329.00	
Bullnose	4.00			4333.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

S25-14S-27W Gove,KS

4924 SE 84th ST
New ton KS 67114+8827

Groom-Albin #1

Job Ticket: 63224

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2017.06.19 @ 03:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
63.00	MW 40%M 60%W	0.310
62.00	WCM 30%W 70%M	0.387
45.00	Mud 100%M	0.631

Total Length: 170.00 ft Total Volume: 1.328 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

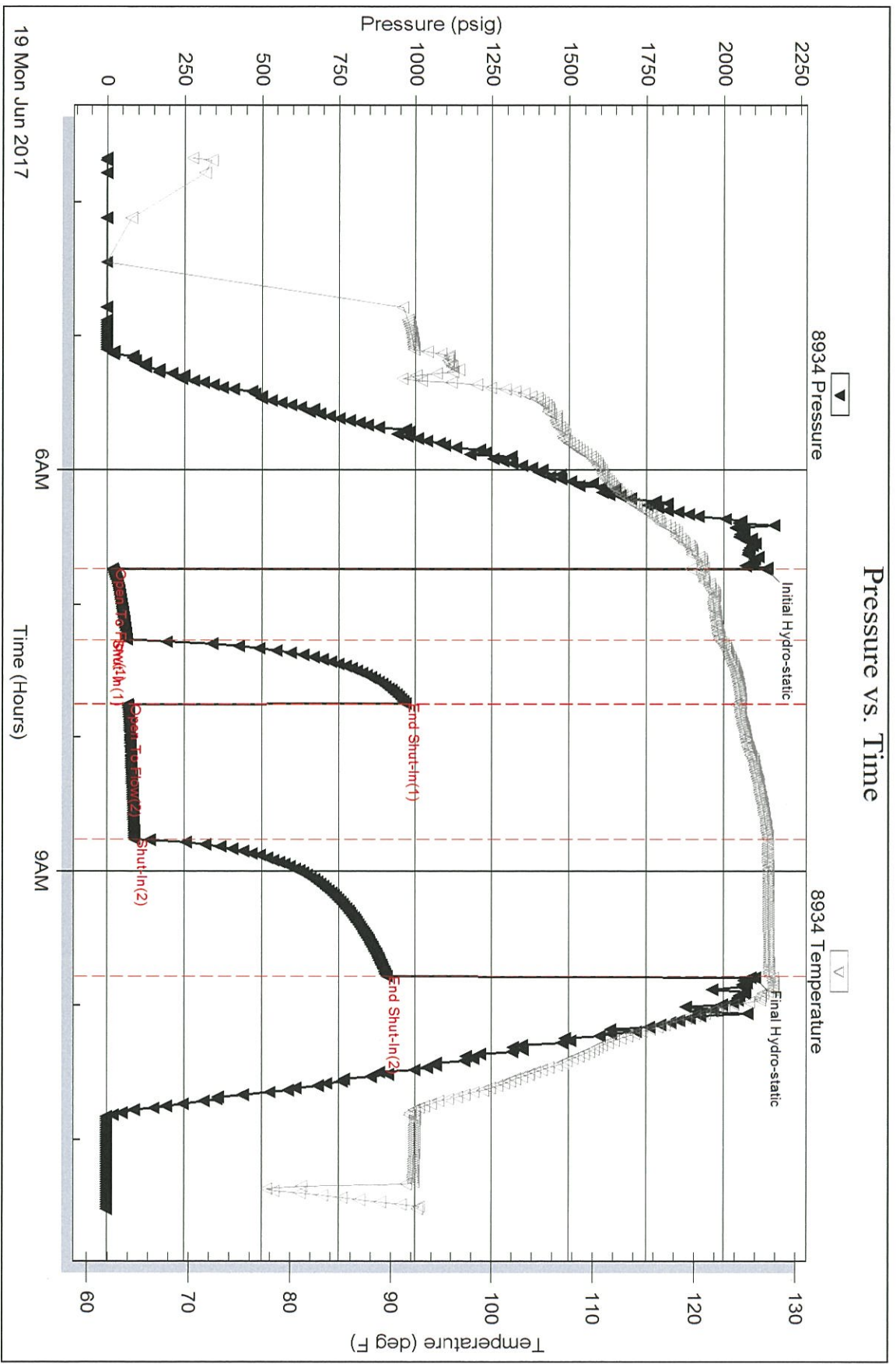
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Serial #: 8934

Outside Palomino Petroleum, Inc.

Groom-Albin #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63224

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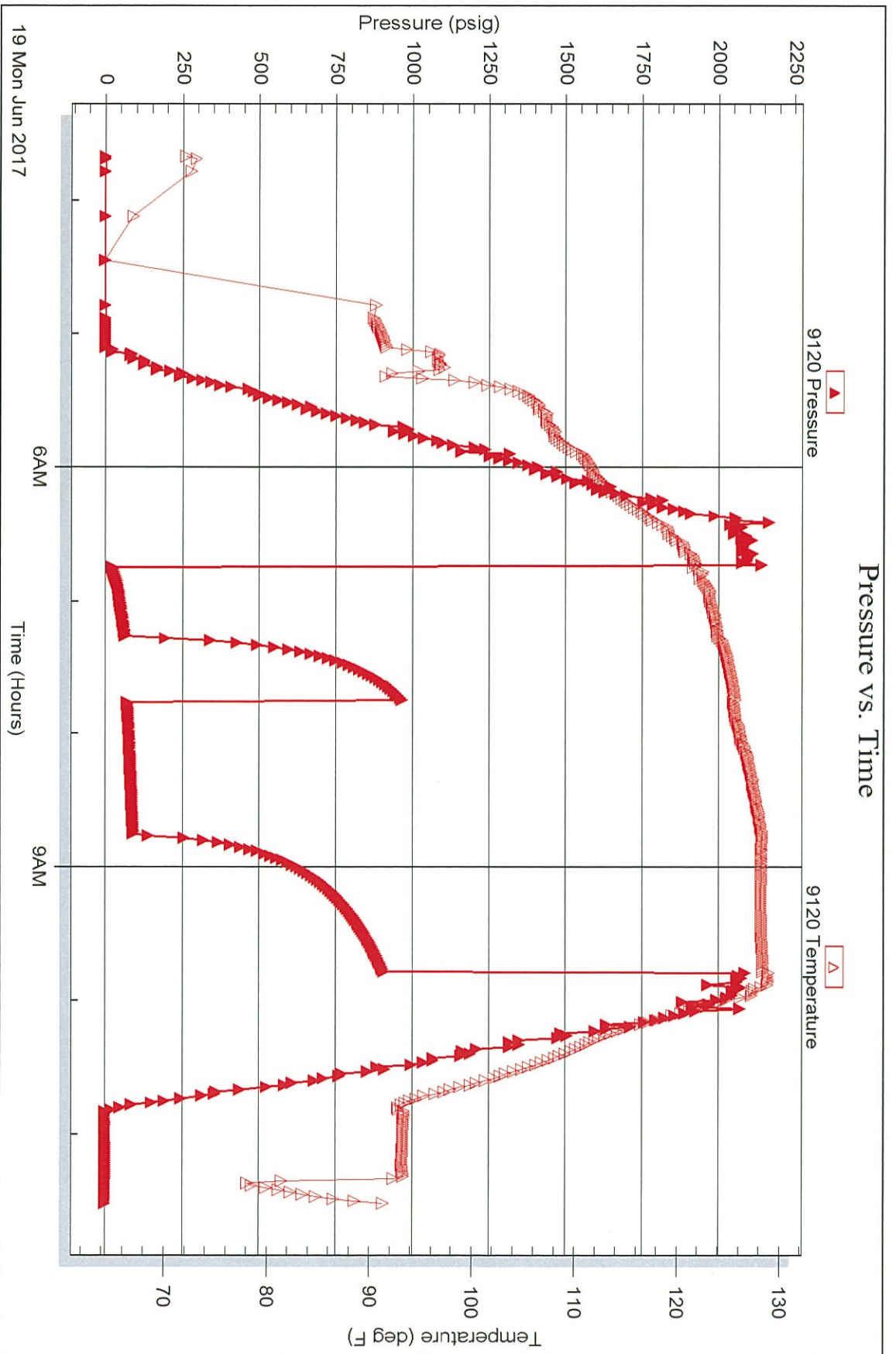
Serial #: 9120

Inside

Palomino Petroleum, Inc.

Groom-Albin #1

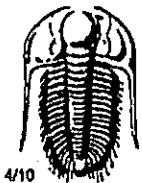
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63224

Printed: 2017.06.21 @ 09:11:08



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63223

Well Name & No. Droom - Albin # 1 Test No. 1 Date 06/17/2017
 Company Palominos Petroleum, Inc. Elevation 2445 KB 2440 GL
 Address 4924 SE 84th St Newton KS 67114 + 8827
 Co. Rep / Geo. Andrew Stenzel Rig WW # 8
 Location: Sec. 25 Twp. 14s Rge. 27w Co. Law State Ks

Interval Tested 3945' - 4006' Zone Tested LAC "H"
 Anchor Length 61' Drill Pipe Run 3810' Mud Wt. 9.1
 Top Packer Depth 3940' Drill Collars Run 116' Vis 57
 Bottom Packer Depth 3945' Wt. Pipe Run - WL 7.2
 Total Depth 4006' Chlorides 3000 ppm System LCM 2#

Blow Description 77 - Weak Blow; Started 1/4" die in 25 mins
78 - No Blow Back
79 - Very Weak Blow; Surface Blow; die in 5 mins
80 - No Blow Back

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

Rec Total 5' BHT 117° Gravity - API RW - @ - °F Chlorides - ppm

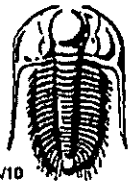
(A) Initial Hydrostatic <u>1932</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>08:40</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>09:39</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>11:48</u>
(D) Initial Shut-In <u>187</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>01:48</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:26</u>
(F) Second Final Flow <u>22</u>	<input checked="" type="checkbox"/> Mileage <u>150 RT</u> 112.50	Comments
(G) Final Shut-In <u>103</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1903</u>	<input type="checkbox"/> Straddle	

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

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1587.50
 MP/DST Disc't

Sub Total 1587.50

Approved By _____ Our Representative Spencer J. Jacobs Thanks
 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.
 785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63224

Well Name & No. Groom - Albin #1 Test No. 2 Date 06/19/2017
 Company Palomino Petroleum, Inc. Elevation 2445 KB 2440 GL
 Address 4924 SE 84th ST Newton KS 67114 + 8827
 Co. Rep / Geo. Andrew Stengel Rig 2W2W#8
 Location: Sec. 25 Twp. 14A Rge. 27W Co. Inde State Ks

Interval Tested 4308' - 4333' Zone Tested Mississippi
 Anchor Length 25' Drill Pipe Run 4191' Mud Wt. 9.3
 Top Packer Depth 4303' Drill Collars Run 116' Vis 45
 Bottom Packer Depth 4308' Wt. Pipe Run - WL 7.2
 Total Depth 4333' Chlorides 4,800 ppm System LCM 2#

Blow Description: 77- Weak Blow; Built from surface to 3 1/4"
1st - No Return
77- Very Weak Blow; Built from surface to 1 1/4"
78 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>63'</u>	<u>MW</u>		<u>60</u>	<u>40</u>	
<u>62'</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
<u>45'</u>	<u>Mud</u>			<u>100</u>	

Rec Total 170' BHT 128° Gravity - API RW 230 @ 80° F Chlorides 26,000 ppm

(A) Initial Hydrostatic 2137 Test 1150 T-On Location 03:05
 (B) First Initial Flow 18 Jars 250 T-Started 03:40
 (C) First Final Flow 63 Safety Joint 75 T-Open 06:44
 (D) Initial Shut-In 968 Circ Sub _____ T-Pulled 09:45
 (E) Second Initial Flow 67 Hourly Standby _____ T-Out 11:29
 (F) Second Final Flow 88 Mileage 150 R 7 225 Comments Loaded tools @
 (G) Final Shut-In 905 Sampler _____ 3:30 6/20/2017
 (H) Final Hydrostatic 2101 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 60 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1950

Approved By _____ Our Representative James J. Stahl Thanks!

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785-259-0056