

1366423

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</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	Whitetail Crude, Inc
Well Name	MAX 1
Doc ID	1366423

All Electric Logs Run

Compensated Density Neutron
Borehole Compensated
Micro Resistivity
Dual Injection

Form	ACO1 - Well Completion
Operator	Whitetail Crude, Inc
Well Name	MAX 1
Doc ID	1366423

Tops

Name	Top	Datum
Anhy	1686	(+732)
Base Anhy.	1718	(+700)
Heebner	3743	(-1325)
Lansing	3783	(-1365)
BKC	4081	(-1663)
Marmaton	4132	(-1714)
Pawnee	4205	(-1787)
Ft. Scott	4285	(-1869)
Cherokee Sh.	4312	(-1894)
Miss. Dol.	4387	(-1969)
LTD	4550	(-2132)



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63180

Well Name & No. Max #1 Test No. 3 Date 4/18/19
 Company Palomino Petroleum, Inc Elevation 2418 KB 2410 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig ww #12
 Location: Sec. 21 Twp. 17 S. Rge. 24 Wco. Ness State KS

Interval Tested 4402 - 4410 Zone Tested Miss
 Anchor Length 8' Tail: 140' Drill Pipe Run 4280 Mud Wt. 9.5
 Top Packer Depth 4397 - 4402 Drill Collars Run 120 Vis 48
 Bottom Packer Depth 4410 Wt. Pipe Run WL 10.0
 Total Depth 4550 Chlorides 9200 ppm System LCM 1st

Blow Description IF-BOB 1min
ISI - No blow
FF-BOB 2min
ISI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>855</u>	<u>MW</u>			<u>85</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 855' BHT 126° Gravity API RW 20 @ 80 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic 2237 Test 1150 T-On Location 1105
 (B) First Initial Flow 103 Jars 250 T-Started 1147
 (C) First Final Flow 285 Safety Joint 75 T-Open 1438
 (D) Initial Shut-In 1281 Circ Sub T-Pulled 1558
 (E) Second Initial Flow 314 Hourly Standby T-Out 1908
 (F) Second Final Flow 422 Mileage 152 RT 79.50
 (G) Final Shut-In 1272 Sampler
 (H) Final Hydrostatic 2213 Straddle 600

Ruined Shale Packer
 Ruined Packer
 Extra Packer
 Extra Recorder
 Extra Copies
 Day Standby
 Accessibility
 Sub Total 2154.50
 Total 2154.50
 MP/DST Disc't

Approved By Our Representative Brennan Lonsdale

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. 63179

Well Name & No. Max #1 Test No. 2 Date 4/17/17
 Company Palomino Petroleum, Inc. Elevation 2418 KB 2410 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #12
 Location: Sec. 31 Twp. 17 S Rgs. 24 W Co. Ness State KS

Interval Tested 4325-4402 Zone Tested MJSS
 Anchor Length 77' Drill Pipe Run 4185 Mud Wt. 9.4
 Top Packer Depth 4320 Drill Collars Run 120 Vis 53
 Bottom Packer Depth 4325 Wt. Pipe Run --- WL 8.0
 Total Depth 4402 Chlorides 7,600 ppm System LCM 1^F

Blow Description IF BOB 10mins
FSI - Surface flow dried in 9mins
FF - BOB 10mins
FSI - Surface flow dried in 9mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GOCM</u>	<u>5</u>	<u>5</u>	<u>90</u>	<u>---</u>
<u>60</u>	<u>CGO</u>	<u>20</u>	<u>80</u>	<u>---</u>	<u>---</u>
<u>192</u>	<u>GOCM</u>	<u>10</u>	<u>10</u>	<u>80</u>	<u>---</u>
<u>208</u>	<u>CGO</u>	<u>15</u>	<u>85</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>240' CIP</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

Rec Total 520' BHT 116° Gravity 34 API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 2199 Test 1150 T-On Location 0915
 (B) First Initial Flow 42 Jars 250 T-Started 0920
 (C) First Final Flow 144 Safety Joint 75 T-Open 1341
 (D) Initial Shut-In 1209 Circ Sub --- T-Pulled 1541
 (E) Second Initial Flow 156 Hourly Standby --- T-Out 1844
 (F) Second Final Flow 217 Mileage 152 RT 79.50
 (G) Final Shut-In 1184 Sampler ---
 (H) Final Hydrostatic 2126 Straddle ---

Ruined Shale Packer ---
 Ruined Packer ---
 Extra Packer ---
 Extra Recorder ---
 Day Standby ---
 Accessibility ---
 Sub Total 1554.50
 Total 1554.50
 MP/DST Disc't ---

Approved By --- Our Representative Brannon Lousdale

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63178

Well Name & No. Max #1 Test No. 1 Date 4/16/17
 Company Palmino Petroleum, Inc. Elevation 2418 KB 2410 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #12
 Location: Sec. 31 Twp. 17 S Rge. 2Y W Co. Wess State KS

Interval Tested 2743-3830 Zone Tested Toronto-LKC "A"
 Anchor Length 87' Drill Pipe Run 3610 Mud Wt. 8.75
 Top Packer Depth 3738 Drill Collars Run 120 Vis 48
 Bottom Packer Depth 3743 Wt. Pipe Run — WL 8.8
 Total Depth 3830 Chlorides 2,400 ppm System LCM 1"

Blow Description IF- Weak blow built slowly to 2"
FSI- No blow
PF- Weak blow built slowly to 2"
FSI- No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>SOCMA</u>		<u>10</u>		<u>90</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 90' BHT 107° Gravity 29 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 1790 Test 1050 T-On Location 4/15 2245
 (B) First Initial Flow 20 Jars 250 T-Started 2259
 (C) First Final Flow 41 Safety Joint 75 T-Open 0523
 (D) Initial Shut-In 1212 Circ Sub — T-Pulled 0723
 (E) Second Initial Flow 45 Hourly Standby 1hr 80 T-Out 0905
 (F) Second Final Flow 61 Mileage 106 152 RT 79.50 Comments —
 (G) Final Shut-In 1192 Sampler —
 (H) Final Hydrostatic 1748 Straddle —
 Ruined Shale Packer
 Ruined Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 80
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 1534.50
 Total 1534.50
 MP/DST Disc't —

Approved By _____ Our Representative Brannan Lonsdale

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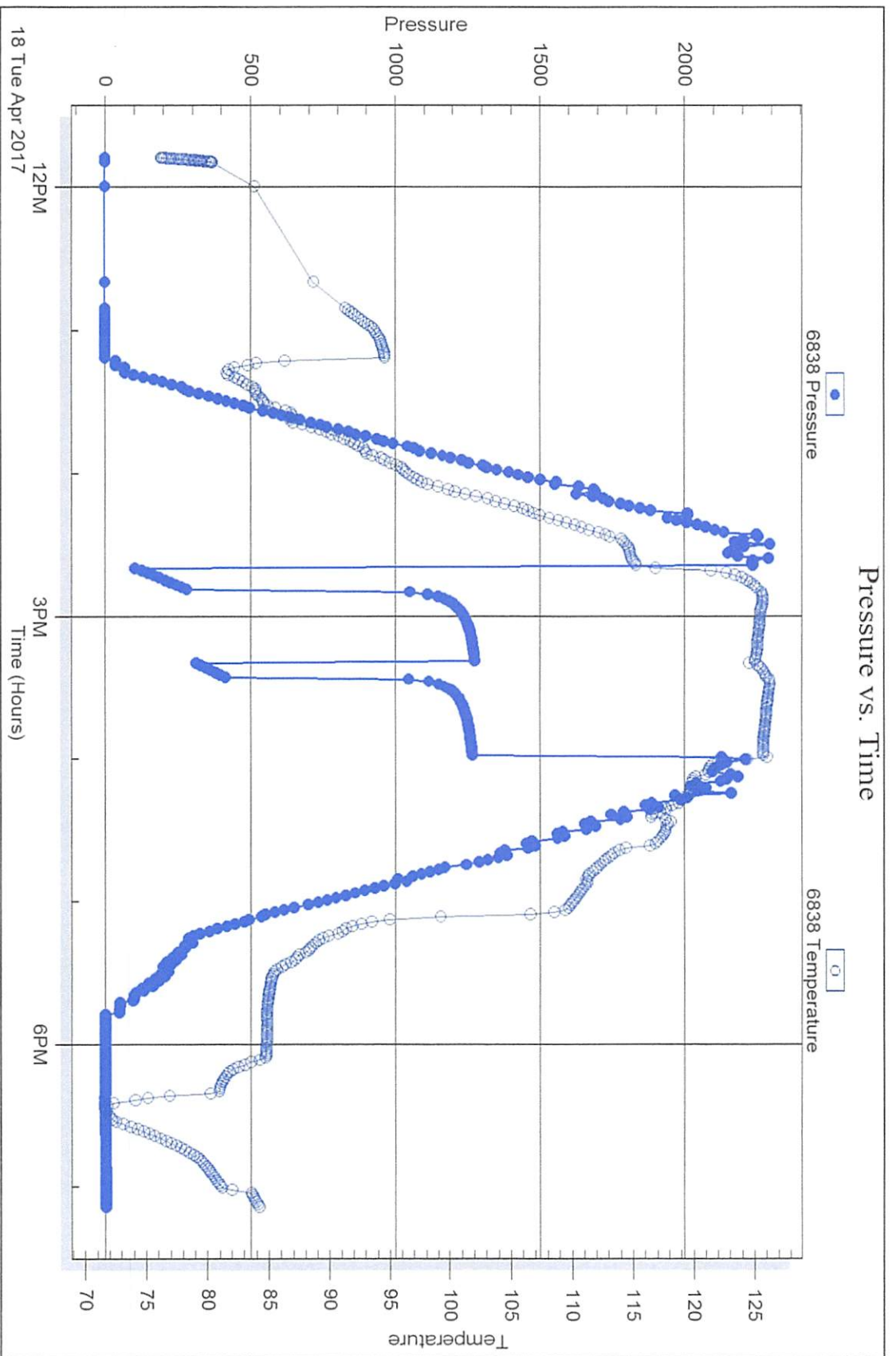
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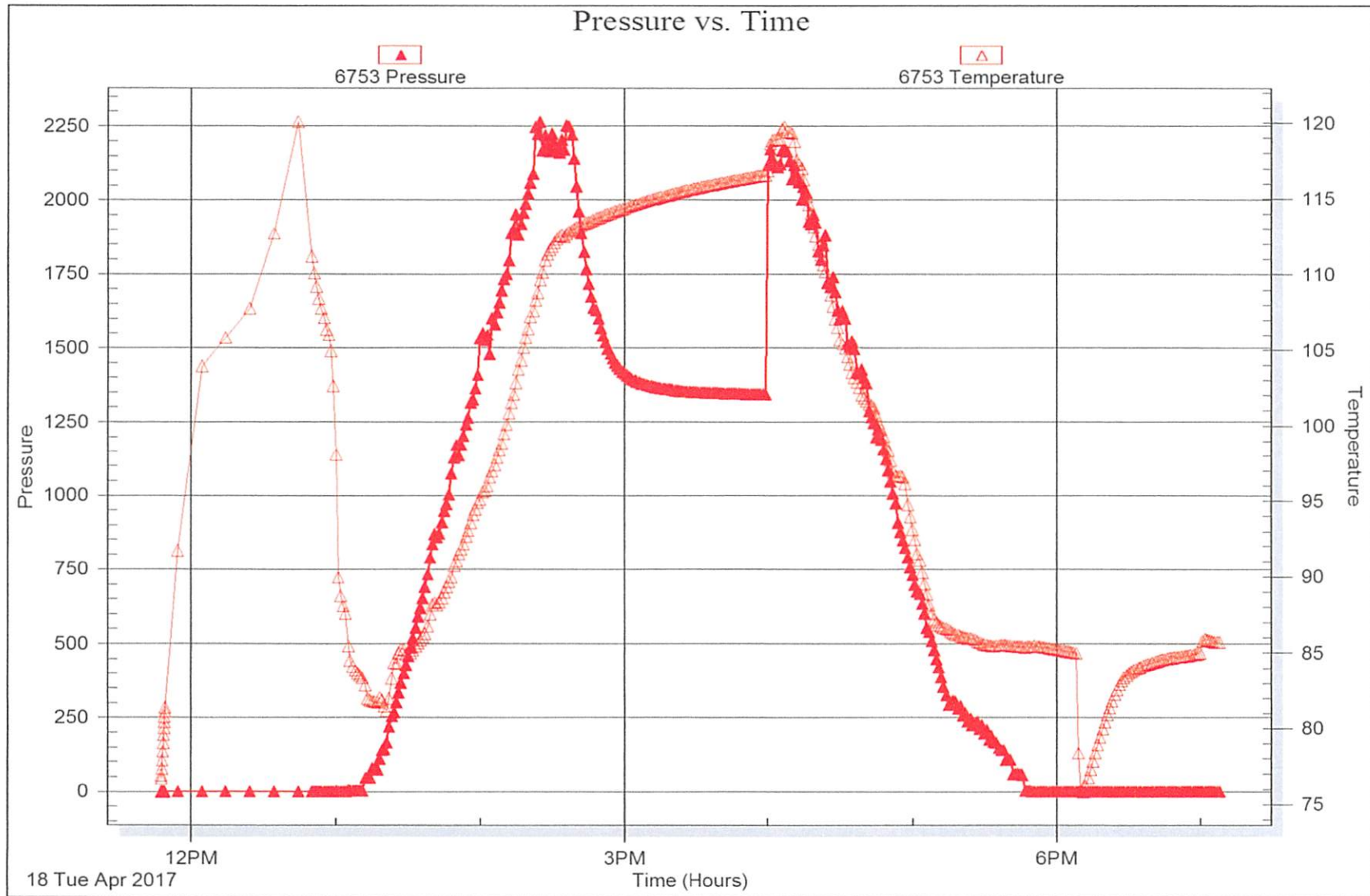
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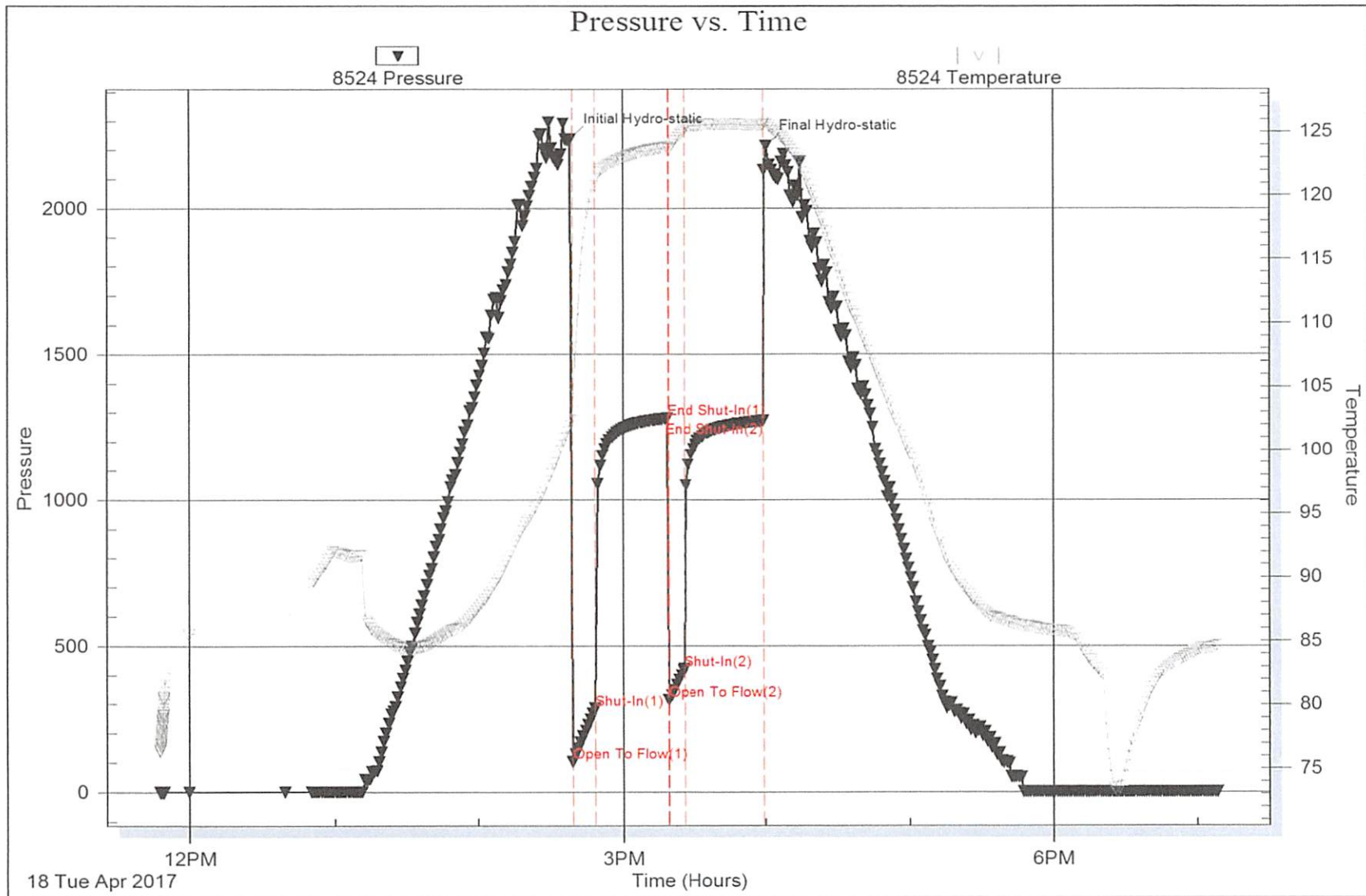
Palomino Petroleum, Inc.

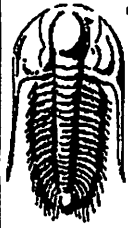
Max #1

DST Test Number: 3









**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

31-17S-24W Ness,KS

4924 SE 84th St.
New ton, KS 67114

Max #1

Job Ticket: 63180

DST#: 3

ATTN: Ryan Seib

Test Start: 2017.04.18 @ 11:47:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APT

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
855.00	MW, 15%M 85%W	11.009

Total Length: 855.00 ft Total Volume: 11.009 bbl

Num Fluid Samples: 0

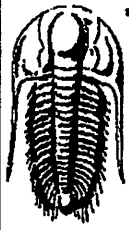
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .20@80deg



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

31-17S-24W Ness,KS

4924 SE 84th St.
Newton, KS 67114

Max #1

Job Ticket: 63180

DST#: 3

ATTN: Ryan Seib

Test Start: 2017.04.18 @ 11:47:28

Tool Information

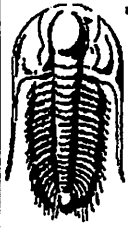
Drill Pipe:	Length: 4280.00 ft	Diameter: 3.82 inches	Volume: 60.67 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	4402.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	4410.00 ft			
Interval between Packers:	8.00 ft			
Tool Length:	175.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4376.00	
Shut In Tool	5.00			4381.00	
Hydraulic tool	5.00			4386.00	
Jars	5.00			4391.00	
Safety Joint	2.00			4393.00	
Packer	5.00			4398.00	27.00 Bottom Of Top Packer
Packer	4.00			4402.00	
Stubb	1.00			4403.00	
Recorder	0.00	6838	Inside	4403.00	
Recorder	0.00	8524	Outside	4403.00	
Perforations	3.00			4406.00	
Blank Off Sub	1.00			4407.00	
Blank Spacing	3.00			4410.00	8.00 Tool Interval
Packer	1.00			4411.00	
Stubb	1.00			4412.00	
Recorder	0.00	6753	Below	4412.00	
Perforations	5.00			4417.00	
Change Over Sub	1.00			4418.00	
Drill Pipe	128.00			4546.00	
Change Over Sub	1.00			4547.00	
Bullnose	3.00			4550.00	140.00 Bottom Packers & Anchor

Total Tool Length: 175.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

31-17S-24W Ness, KS

4924 SE 84th St.
Newton, KS 67114

Max #1

Job Ticket: 63180

DST#: 3

ATTN: Ryan Seib

Test Start: 2017.04.18 @ 11:47:28

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:39:04

Time Test Ended: 19:08:19

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4402.00 ft (KB) To 4410.00 ft (KB) (TVD)

Total Depth: 4550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2418.00 ft (KB)

2410.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8524

Outside

Press@RunDepth: 421.54 psig @ 4403.00 ft (KB)

Start Date: 2017.04.18

End Date: 2017.04.18

Start Time: 11:47:29

End Time: 19:08:19

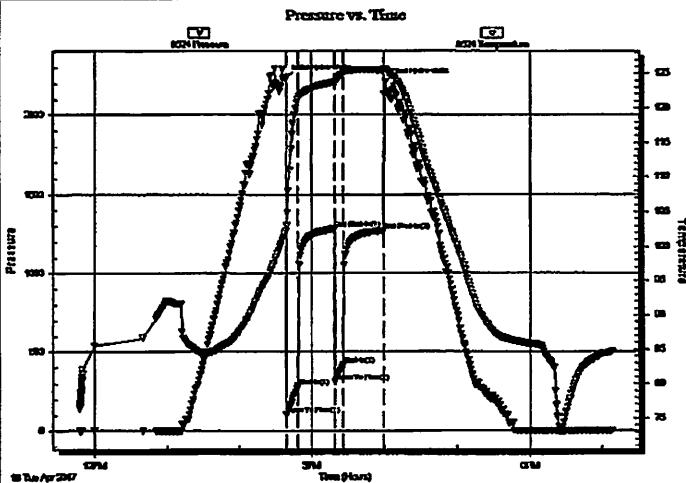
Capacity: 8000.00 psig

Last Calib.: 2017.04.18

Time On Blm: 2017.04.18 @ 14:38:19

Time Off Blm: 2017.04.18 @ 16:00:19

TEST COMMENT: 10- IF- BOB 1 min
30- IS- No blow
10- FF- BOB 2 mins
30- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.36	102.30	Initial Hydro-static
1	102.96	103.01	Open To Flow (1)
10	284.81	121.31	Shut-in(1)
41	1280.77	123.77	End Shut-in(1)
41	313.68	123.56	Open To Flow (2)
48	421.54	125.08	Shut-in(2)
81	1271.87	125.52	End Shut-in(2)
82	2213.30	125.67	Final Hydro-static

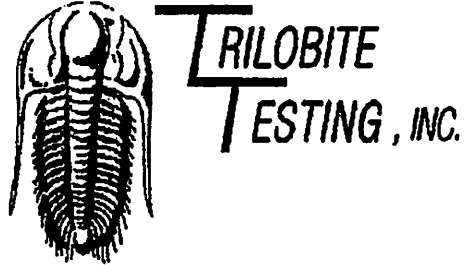
Recovery

Length (ft)	Description	Volume (bbl)
855.00	MW, 15%M 85%W	11.01

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Max #1

31-17S-24W Ness,KS

Start Date: 2017.04.18 @ 11:47:28

End Date: 2017.04.18 @ 19:08:19

Job Ticket #: 63180 DST #: 3

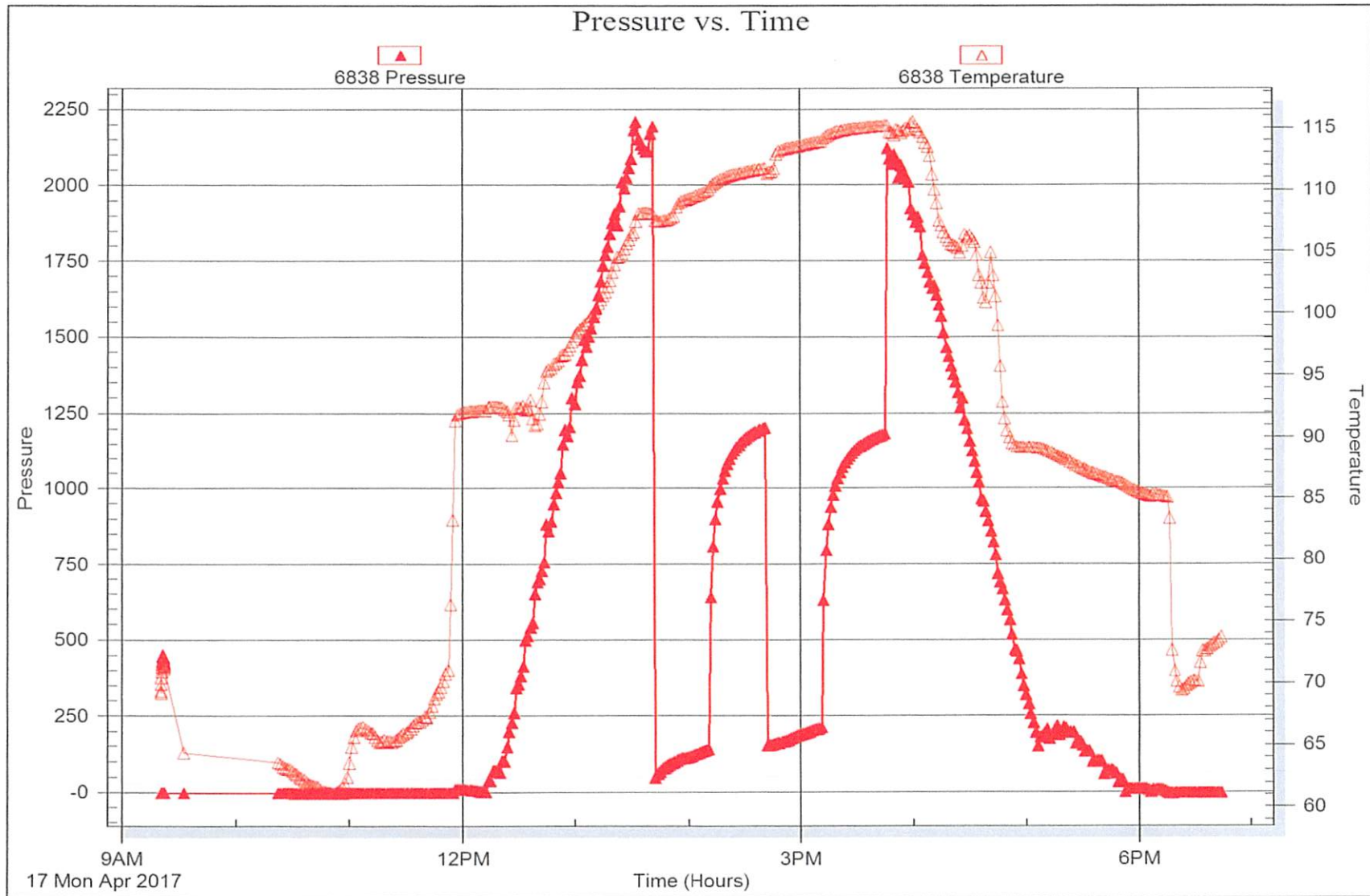
Trilobite Testing, Inc

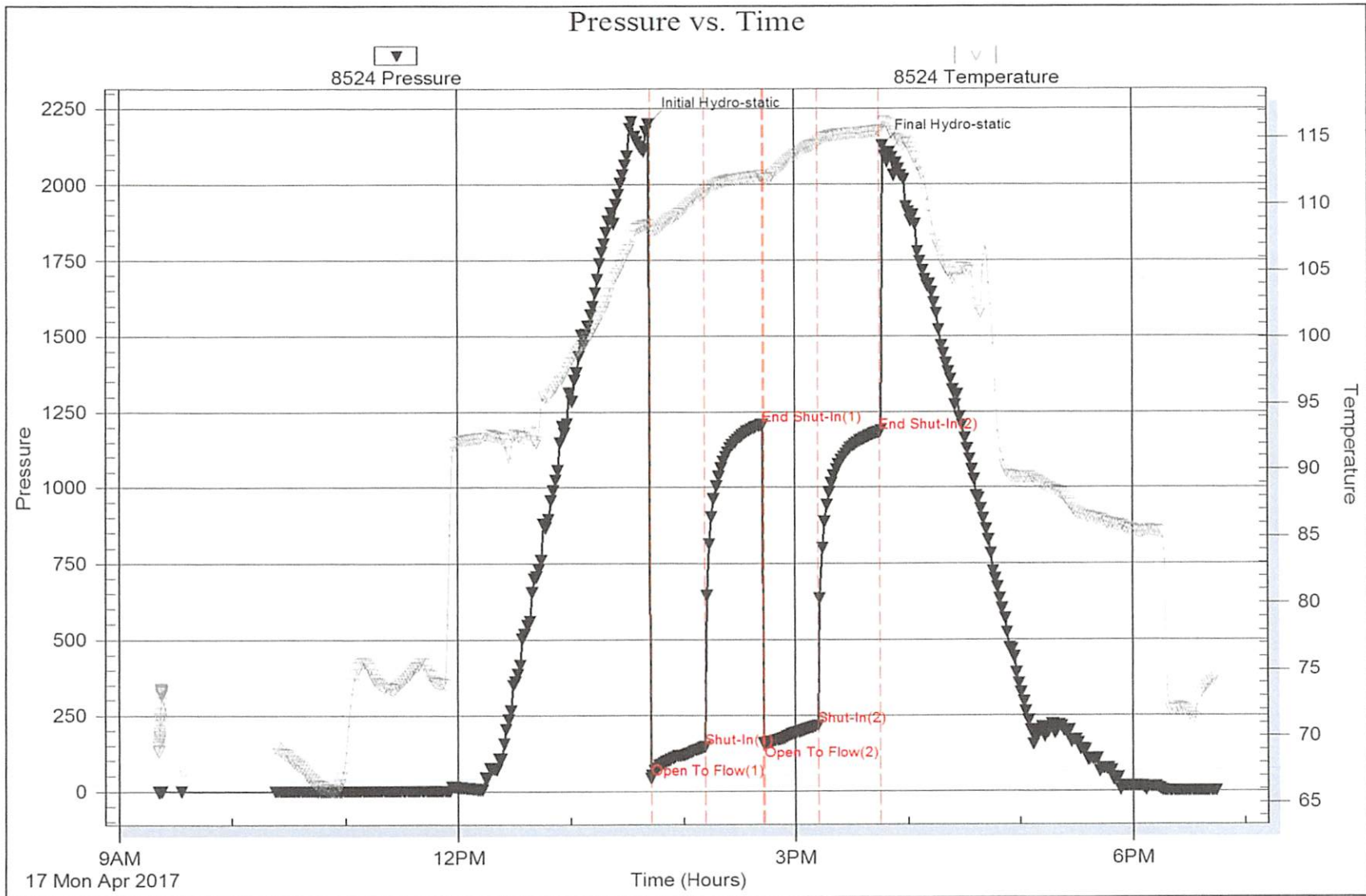
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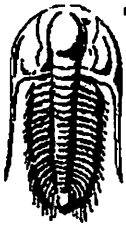
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.04.19 @ 09:29:55

Palomino Petroleum, Inc. 31-17S-24W Ness,KS Max #1 DST # 3 Miss 2017.04.18







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

31-17S-24W Ness,KS

4924 SE 84th St.
Newton, KS 67114

Max #1

Job Ticket: 63179

DST#: 2

ATTN: Ryan Seib

Test Start: 2017.04.17 @ 09:20:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM, 5%G 5%O 90%M	0.295
60.00	CGO, 20%G 80%O	0.295
192.00	GOCM, 10%G 10%O 80%M	2.722
208.00	CGO, 15%G 85%O	2.948
0.00	240' GIP	0.000

Total Length: 520.00 ft

Total Volume: 6.260 bbl

Num Fluid Samples: 0

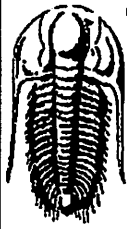
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

31-17S-24W Ness, KS

4924 SE 84th St.
Newton, KS 67114

Max #1

Job Ticket: 63179

DST#: 2

ATTN: Ryan Seib

Test Start: 2017.04.17 @ 09:20:54

Tool Information

Drill Pipe:	Length: 4185.00 ft	Diameter: 3.82 inches	Volume: 59.32 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 83000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4325.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	104.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4299.00	
Shut In Tool	5.00			4304.00	
Hydraulic tool	5.00			4309.00	
Jars	5.00			4314.00	
Safety Joint	2.00			4316.00	
Packer	5.00			4321.00	27.00 Bottom Of Top Packer
Packer	4.00			4325.00	
Stubb	1.00			4326.00	
Perforations	7.00			4333.00	
Change Over Sub	1.00			4334.00	
Recorder	0.00	6838	Inside	4334.00	
Recorder	0.00	8524	Outside	4334.00	
Drill Pipe	64.00			4398.00	
Change Over Sub	1.00			4399.00	
Bullnose	3.00			4402.00	77.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

31-17S-24W Ness, KS

4924 SE 84th St.
Newton, KS 67114

Max #1

Job Ticket: 63179

DST#: 2

ATTN: Ryan Seib

Test Start: 2017.04.17 @ 09:20:54

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:42:15

Time Test Ended: 18:44:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4325.00 ft (KB) To 4402.00 ft (KB) (TVD)

Total Depth: 4402.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2418.00 ft (KB)

2410.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8524

Outside

Press@RunDepth: 216.62 psig @ 4334.00 ft (KB)

Start Date: 2017.04.17

End Date:

2017.04.17

Start Time: 09:20:55

End Time:

18:44:59

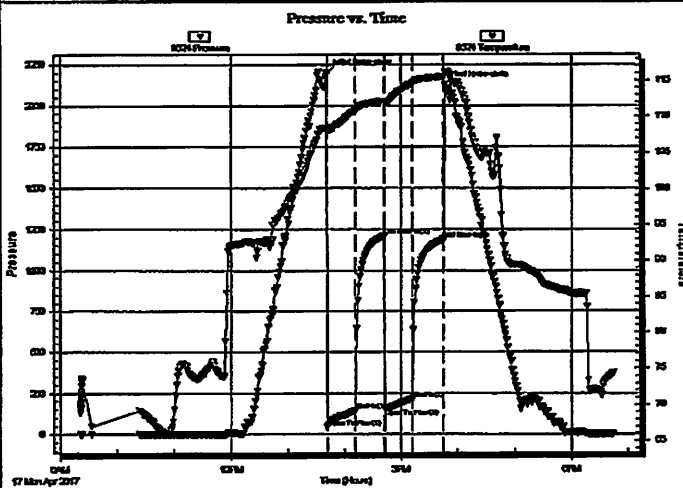
Capacity: 8000.00 psig

Last Calib.: 2017.04.17

Time On Blrm: 2017.04.17 @ 13:42:00

Time Off Blrm: 2017.04.17 @ 15:46:45

TEST COMMENT: 30- IF- BOB 10 mins
30- IS- Surface blow died in 9 mins
30- FF- BOB 10 mins
30- FS- Surface blow died in 9 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.86	108.47	Initial Hydro-static
1	42.41	107.92	Open To Flow (1)
30	144.23	110.79	Shut-In(1)
61	1208.70	112.10	End Shut-In(1)
62	155.84	111.87	Open To Flow (2)
90	216.62	114.54	Shut-In(2)
123	1183.70	115.46	End Shut-In(2)
125	2125.86	116.12	Final Hydro-static

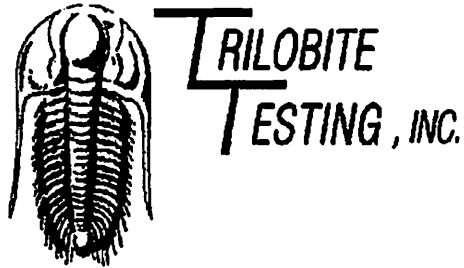
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM, 5%G 5%O 90%M	0.30
60.00	CGO, 20%G 80%O	0.30
192.00	GOCM, 10%G 10%O 80%M	2.72
208.00	CGO, 15%G 85%O	2.95
0.00	240' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Max #1

31-17S-24W Ness,KS

Start Date: 2017.04.17 @ 09:20:54

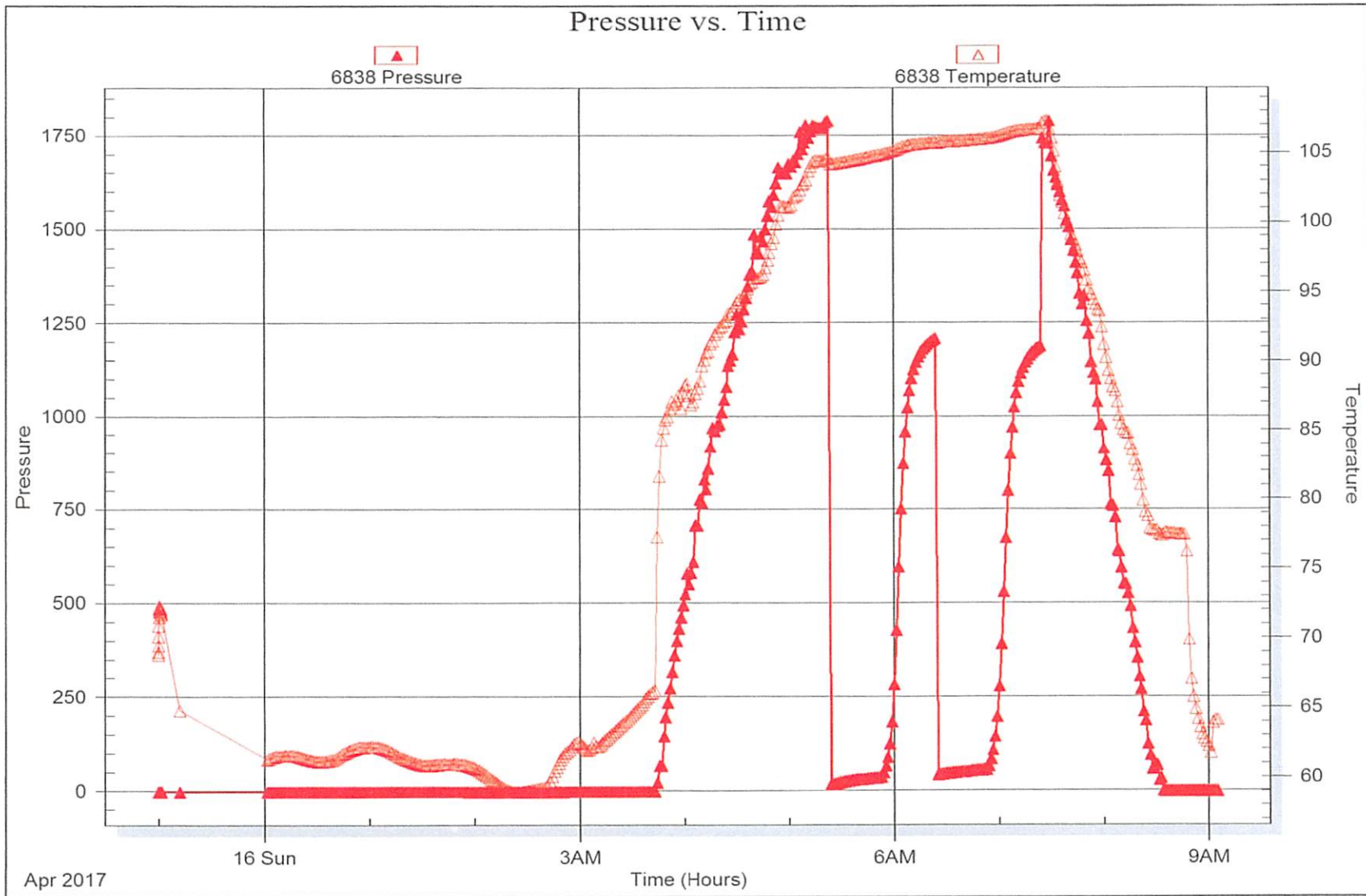
End Date: 2017.04.17 @ 18:44:59

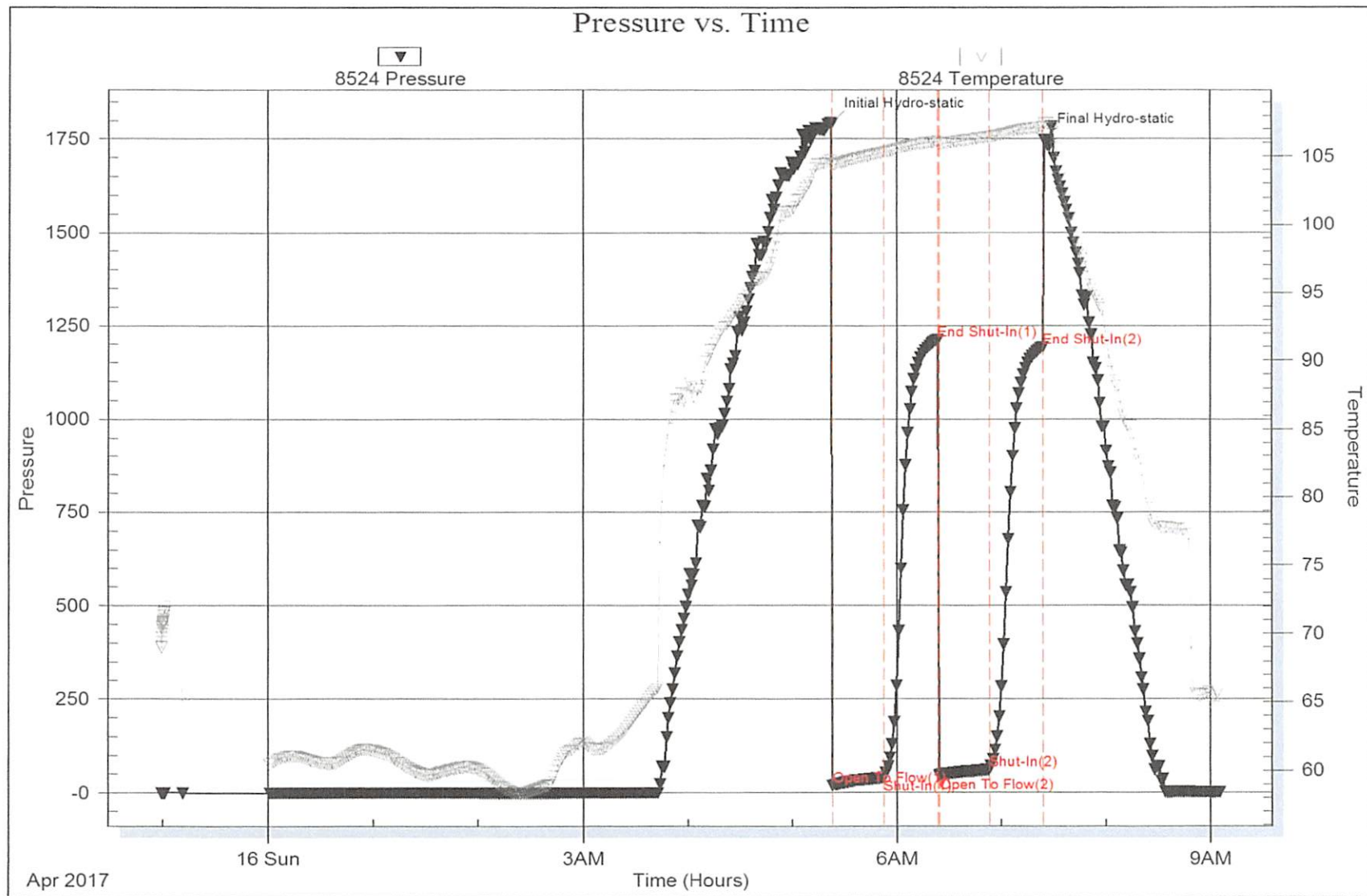
Job Ticket #: 63179 DST #: 2

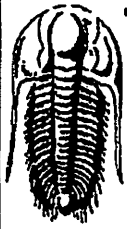
Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.04.19 @ 09:30:39

Palomino Petroleum, Inc.
31-17S-24W Ness,KS
Max #1
US 1 # 2
MISS
2017.04.17







**TRILLOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

31-17S-24W Ness, KS

4924 SE 84th St.
New ton, KS 67114

Max #1

Job Ticket: 63178

DST#: 1

ATTN: Ryan Seib

Test Start: 2017.04.15 @ 22:59:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	SOCM, 10%O 90%M	0.443

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

31-17S-24W Ness,KS

4924 SE 84th St.
Newton, KS 67114

Max #1

Job Ticket: 63178

DST#: 1

ATTN: Ryan Seib

Test Start: 2017.04.15 @ 22:59:06

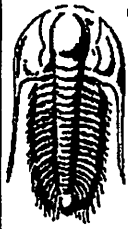
Tool Information

Drill Pipe:	Length: 3610.00 ft	Diameter: 3.82 inches	Volume: 51.17 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	3743.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	87.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3717.00	
Shut In Tool	5.00			3722.00	
Hydraulic tool	5.00			3727.00	
Jars	5.00			3732.00	
Safety Joint	2.00			3734.00	
Packer	5.00			3739.00	27.00 Bottom Of Top Packer
Packer	4.00			3743.00	
Stubb	1.00			3744.00	
Perforations	17.00			3761.00	
Change Over Sub	1.00			3762.00	
Recorder	0.00	6838	Inside	3762.00	
Recorder	0.00	8524	Outside	3762.00	
Drill Pipe	64.00			3826.00	
Change Over Sub	1.00			3827.00	
Bullnose	3.00			3830.00	87.00 Bottom Packers & Anchor
Total Tool Length:	114.00				



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

31-17S-24W Ness, KS

4924 SE 84th St.
Newton, KS 67114

Max #1

Job Ticket: 63178

DST#: 1

ATTN: Ryan Seib

Test Start: 2017.04.15 @ 22:59:06

GENERAL INFORMATION:

Formation: Toronto- LKC "A"

Deviated: No Whipstock ft (KB)

Time Tool Opened: 05:23:12

Time Test Ended: 09:05:11

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3743.00 ft (KB) To 3830.00 ft (KB) (TVD)

Total Depth: 3830.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2418.00 ft (KB)

2410.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8524

Outside

Press@RunDepth: 60.84 psig @ 3762.00 ft (KB)

Start Date: 2017.04.15

End Date:

2017.04.16

Capacity: 8000.00 psig

Last Calib.: 2017.04.16

Start Time: 22:59:07

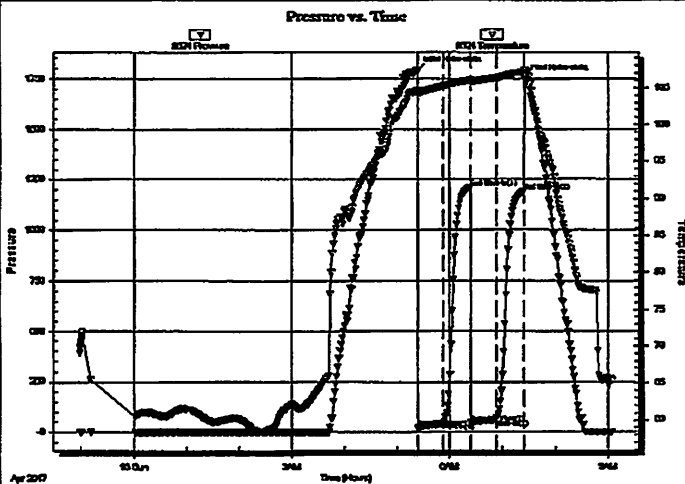
End Time:

09:05:11

Time On Btm: 2017.04.16 @ 05:22:42

Time Off Btm: 2017.04.16 @ 07:24:42

TEST COMMENT: 30- IF- Weak blow built slowly to 2"
30- IS- No blow
30- FF- Weak blow built slowly to 2"
30- FS- No blow



PRESSURE SUMMARY

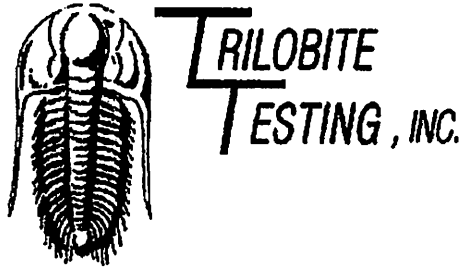
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1789.74	104.70	Initial Hydro-static
1	19.62	104.32	Open To Flow (1)
30	40.58	105.27	Shut-in(1)
61	1211.80	106.05	End Shut-in(1)
62	44.91	105.84	Open To Flow (2)
90	60.84	106.39	Shut-in(2)
121	1192.01	107.09	End Shut-in(2)
122	1747.87	107.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	SOCM, 10%O 90%M	0.44

Gas Rates

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



DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Max #1

31-17S-24W Ness,KS

Start Date: 2017.04.15 @ 22:59:06

End Date: 2017.04.16 @ 09:05:11

Job Ticket #: 63178 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.04.19 @ 09:31:04

GLOBAL OIL FIELD SERVICES, LLC

2919

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>4-12-17</u>	SEC. <u>34</u>	TWP. <u>17</u>	RANGE <u>24 W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Max</u>	WELL #. <u>1</u>	LOCATION <u>Russell, KS</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE) <u>NEW</u>							

CONTRACTOR WJW Rig 12

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 5/8 DEPTH 214 63

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20'

PERFS

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 150 sq com
3% cc 2% cc

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

EQUIPMENT

PUMP TRUCK CEMENTER Brain

417 HELPER Jason

BULK TRUCK

378 DRIVER Tom

BULK TRUCK

DRIVER

REMARKS:

Ran in 5 JTS. 8 5/8 casing, put on 10' LANSING
IT SURFACE, CIRCULATING MUD, MIX 150 SQ
CEMENT, DISPLACED 12 1/4 GAL H2O, CEMENT
CIRCULATING

CHARGE TO: Petroleum Petroleum INC

STREET

CITY STATE ZIP

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 Calvin Burdick

SIGNATURE [Signature]

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

Invoice

Date	Invoice #
4/23/2017	2919

RECEIVED

APR 26 2017

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

P.O. No.	Terms	Project
MAX#1	Due on receipt	

Quantity	Description	Rate	Amount
150	COMMON	16.00	2,400.00T
5	CALCIUM	59.00	295.00T
3	GEL	21.50	64.50T
158	HANDLING	1.90	300.20
	BULK MILEAGE	158.00	158.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	750.00	750.00
10	PUMP TRUCK MILEAGE	7.00	70.00
10	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	30.00
	25% DISCOUNT IF PAID WITHIN 15 DAYS FROM INVOICE BARTON CO	7.50%	206.96

Thank you for your business.

Total

\$4,274.66

JOB LOG

SWIFT Services, Inc.

DATE 4-19-17 PAGE NO. 1

CUSTOMER Palomares Petroleum WELL NO. #1 LEASE Max JOB TYPE Cement 5 1/2" Longstring TICKET NO. 30305

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0030							on location 5 1/2" 17"
								RTD- 4550' LTD- 4550' TP- 4550' SJ- #1 40.94 P.C. - #70 1661' out # # 111 # 113 # 114 Turbo - #1 #3 #4 #6 #8 #10 #12 #14 #16 #18 #69 Baskets - #70
	0245							Start 5 1/2" 17" casing in well
	0355							Drop Ball Circulate
	0600	6 1/2	12		✓	300		Pump 500 gal Mud Flush
		6 1/2	20		✓	300		Pump 20 bbl HCL Flush
			11					Plug RH 30 sks
	0615	4 1/2	36		✓	200		mix 95 sks SMD @ 12.5 ppg
		4 1/2	24		✓	100		mix 100 sks EA-2 @ 15.5 ppg
								Wash out Pump + Lines Release Latch Down Plug
	0640	6 1/2	∅		✓	100		Start Displacement
		6 1/2	76		✓	300		lift Pressure
		6 1/2	100		✓	900		Max Lift Pressure
	0655	6 1/2	105		✓	1800		Latched Latch Down Plug
								Release Pressure * Plug Hold *
								wash up truck
	0730							Job Complete

Thank You
Dave Preston Isaac Kirby



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

TICKET CONTINUATION

TICKET No. 30305

CUSTOMER Palomino Petroleum WELL Max #1 DATE 4-19-17 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		1				Standard Cement (RA-2)			100	sk	12.25	1225.00
284		1				Calsol	5	%	5	sk	30.00	150.00
283		1				Salt	10	%	500	lb	00.20	100.00
285		1				CFR-1	1/2	%	50	lb	4.50	225.00
276		1				Flocele	1/4	lb	50	lb	2.25	112.50
330		1				SMD Cement			125	sk	15.75	1968.75
290		1				D-Air			2	gal	42.00	84.00
221		1				Liquid KCL			4	gal	25.00	100.00
281		1				Mud Flush			500	gal	1.25	625.00
582		1				Minimum Drayage Charge			1	ica	250.00	250.00
581		1				SERVICE CHARGE			225	CUBIC FEET	1.50	337.50
						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			

CONTINUATION TOTAL 5177.75



CHARGE TO: Palomino Petroleum
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 30305

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Max</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Ness City</u>	DATE <u>4-19-17</u>	OWNER <u>Source</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>W & W Drilling</u>	RIG NAME/NO. <u>#12</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Longstring</u>	WELL PERMIT NO.	WELL LOCATION <u>Ness City - 6 W, 5 1/2 W, E into</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE FERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE <u>Trk #112</u>	20	mi	5	00	100 00
578		1			Pump Charge - Longstring	5 1/2	in	1	job	1250 00
403		1			Cement Basinet	5 1/2	in	1	ea	250 00
404		1			Port Collar	5 1/2	in	1	ea	2500 00
406		1			Latch Down Plug + Baffle	5 1/2	in	1	ea	225 00
407		1			Insert float Shoe w/ Auto Fill	5 1/2	in	1	ea	300 00
409		1			Turbolizer	5 1/2	in	11	ea	75 00
409		X			XXXXXXXXXXXX	5 1/2	in	X	X	XXXXX
										5450

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 4-19-17 TIME SIGNED 8 A.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	#1	5450
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL #2	5177 75
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Ness Co. TAX 6.5%	564 87
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	11192 62
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR David Kuehn APPROVAL _____

Thank You!



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

Invoice

DATE	INVOICE #
4/19/2017	30305

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

RECEIVED
APR 22 2017

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Max	Ness	WW Drilling Rig ...	Oil	Development	Cement 5 1/2 Lo...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	20	Miles	5.00	100.00
578D-L	Pump Charge - Long String	1	Job	1,250.00	1,250.00
403-5	5 1/2" Cement Basket	1	Each	250.00	250.00T
404-5	5 1/2" Port Collar	1	Each	2,500.00	2,500.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	300.00	300.00T
409-5	5 1/2" Turbolizer	11	Each	75.00	825.00T
325	Standard Cement	100	Sacks	12.25	1,225.00T
284	Calseal	5	Sack(s)	30.00	150.00T
283	Salt	500	Lb(s)	0.20	100.00T
285	CFR-1	50	Lb(s)	4.50	225.00T
276	Flocele	50	Lb(s)	2.25	112.50T
330	Swift Multi-Density Standard (MIDCON II)	125	Sacks	15.75	1,968.75T
290	D-Air	2	Gallon(s)	42.00	84.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
281	Mud Flush	500	Gallon(s)	1.25	625.00T
582D	Minimum Drayage Charge	1	Each	250.00	250.00
581D	Service Charge Cement	225	Sacks	1.50	337.50
	Subtotal				10,627.75
	Sales Tax Ness County			6.50%	564.87

We Appreciate Your Business!	Total	\$11,192.62
-------------------------------------	--------------	-------------

JOB LOG

SWIFT Services, Inc.

DATE 27 APR 17 PAGE NO. 1
TICKET NO. 35269

CUSTOMER Palomino Petroleum WELL NO. #1 LEASE MAX JOB TYPE Cement pit collar

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sk SMD cement w/ 1/4" flocc 2 3/8 x 5 1/2 port collar @ 1663'
	0830							on bc. TRK 114
	0852					1000	1000	pressure to 1000 psi - hold open port collar
	0900	3 1/2	2			200		inj rate 3 1/2 @ 200
	0905	3 1/2				200		mix SMD cement @ 11.2 spgr
		3 1/2	8			200		- circ to pit -
		3 1/2	81			350		→ Cement to pit ← 150 sk
		3 1/2	9			350		Displace w/ H ₂ O
								close port collar
	0942					1000	1000	test to 1000 psi - hold
	0947							Run 5 joints
	1000							Reverse hole clean - 2 cement flags -
	1015							Wash truck Reverse Rackup
	1035							job complete Thanks Shane, Shane, & PLANT

150 sk
mixed
15 to pit



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

TICKET 30269

PAGE 1 OF 1

SERVICE LOCATIONS 1. Ness City KS WELL/PROJECT NO. #1 LEASE MAX COUNTY/PARISH Ness STATE KS CITY Ness City DATE 27 APR 17 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR FRITZER RIG NAME/NO. SHIPPED VIA CT DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement port collar WELL PERMIT NO. WELL LOCATION 31-17-24
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE <u>TRX 114</u>	10	mi			5.00	50.00
576D		1			<u>Pump Charge</u>	1	rs			1250.00	1250.00
330		1			<u>SAND cement</u>	150	sk			15.75	2362.50
276		1			<u>flocalc</u>	50	lb			2.25	112.50
290		1			<u>D-AIR</u>	2	gal			42.00	84.00
581		1			<u>service charge</u>	200	sk			1.50	300.00
582		1			<u>Drainage (min)</u>	1	ea			250.00	250.00
104		1			<u>Port Collar Tool Rental</u>	5 1/2	in	1	ea	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 TIME SIGNED

[Signature]

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
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	4609.00
TOTAL	4788.34

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!



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



Invoice

DATE	INVOICE #
4/27/2017	30269

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

RECEIVED

MAY 01 2017

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Max	Ness	Fritzler Trucking	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				10	Miles	5.00	50.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)				150	Sacks	15.75	2,362.50T
276	Flocele				50	Lb(s)	2.25	112.50T
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				200	Sacks	1.50	300.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
104	Port Collar Tool Rental				1	Each	200.00	200.00T
	Subtotal							4,609.00
	Sales Tax Ness County						6.50%	179.34
We Appreciate Your Business!							Total	\$4,788.34



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

SIUW
7995

TICKET NUMBER **51780**
LOCATION Oakley, Ks
FOREMAN Miles Jerry
Miles 5 -
KS

FIELD TICKET & TREATMENT REPORT
CEMENT INVOICE # 810213

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-5-17	6285	Max #1	31	17S	24W	Ness
CUSTOMER <u>Palomino Petro.</u>			Ransom U to N S to 180 W 2 miles Note in b			
MAILING ADDRESS <u>4924 SE 84th Street</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY <u>Newton</u>			<u>753</u>	<u>Travis W</u>		
STATE <u>KS</u>			<u>566</u>	<u>Cory D</u>		
ZIP CODE <u>67114-8827</u>			<u>703</u>			
			<u>639</u>			

JOB TYPE Squeeze HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2 17'
CASING DEPTH _____ DRILL PIPE _____ TUBING 2 7/8 OTHER packer @ 4242
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/ek perfs @ 4388-95 CEMENT LEFT in CASING 13'
DISPLACEMENT 28661 DISPLACEMENT PSI _____ MIX PSI 4404-08 RATE _____

REMARKS: Safety meeting & rig up on Fri. taller load back side & press to 1000# take inj. rate
4661/gal @ 650# mix 100 sks com class A neat class pump lines and displac 10661 & press to
2700# released back dried up open by pass & reverse cut 35861 wash down to
4388 & reverse clean with 35661 salt water pull 2 jts & press to 1000#

Thank You
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>CE0451</u>	<u>1</u>	<u>PUMP CHARGE</u>	<u>1900.00</u>	<u>1900.00</u>
<u>CE0002</u>	<u>30</u>	<u>MILEAGE</u>	<u>7.15</u>	<u>214.50</u>
<u>CE0711</u>	<u>4.7</u>	<u>ton mileage delivery (min)</u>	<u>140.00</u>	<u>660.00</u>
<u>CE1163</u>	<u>1</u>	<u>Squeeze Maxi Pold</u>	<u>400.00</u>	<u>400.00</u>
<u>CE5800A</u>	<u>100 sks</u>	<u>com class A</u>	<u>20.00</u>	<u>2000.00</u>
			<u>Subtotal</u>	<u>5174.50</u>
			<u>-30% discount</u>	<u>1552.35</u>
			<u>Subtotal</u>	<u>3622.15</u>
			SALES TAX	<u>91.00</u>
			ESTIMATED TOTAL	<u>3713.15</u>

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



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

RECEIVED

MAY 11 2017

MAIN OFFICE

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

Invoice

Invoice#

810213

Invoice Date: 05/08/17

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET
 NEWTON KS 67114-8827
 USA

MAX 1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	30.000	1,330.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	30.000	150.15
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	30.000	462.00
CE1163	Squeeze Manifold	1.000	400.0000	30.000	280.00
CC5800A	Class A Cement - Sack	100.000	20.0000	30.000	1,400.00

Subtotal 5,174.50

Discounted Amount 1,552.35

SubTotal After Discount 3,622.15

Amount Due 5,304.50 If paid after 06/07/17

Tax: 91.00

Total: 3,713.15

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Pat Apple, Chairman
Shari Feist Albrecht, Commissioner
Jay Scott Emler, Commissioner

Sam Brownback, Governor

September 22, 2017

Mike J. Fritzler
Whitetail Crude, Inc
PO BOX 544
14216 N US HWY 283
NESS CITY, KS 67560-0544

Re: ACO-1
API 15-135-25948-00-00
MAX 1
NW/4 Sec.31-17S-24W
Ness County, Kansas

Dear Mike J. Fritzler:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

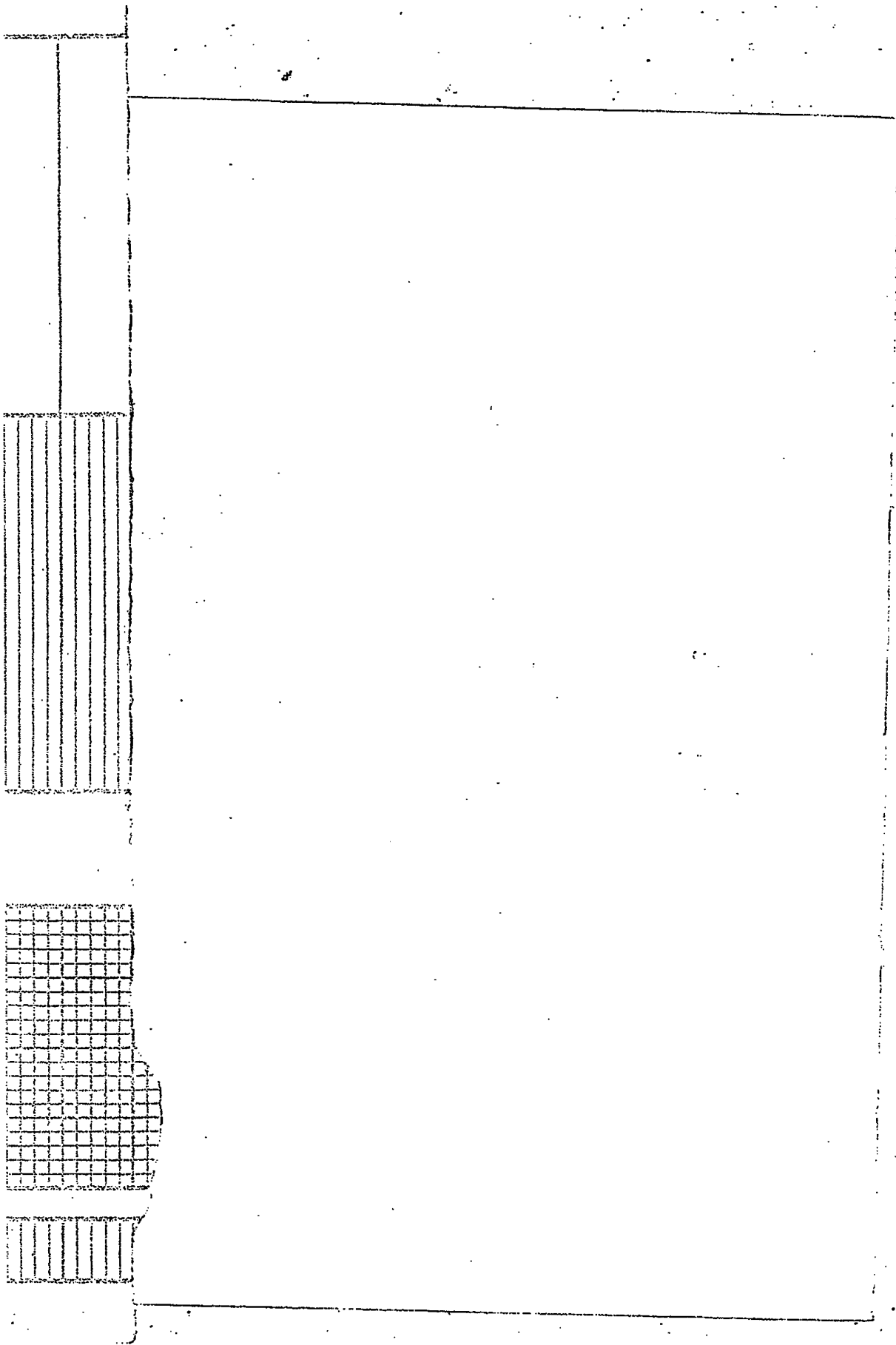
The above referenced well was spudded on 04/12/2017 and the ACO-1 was received on September 22, 2017 (not within the 120 days timely requirement).

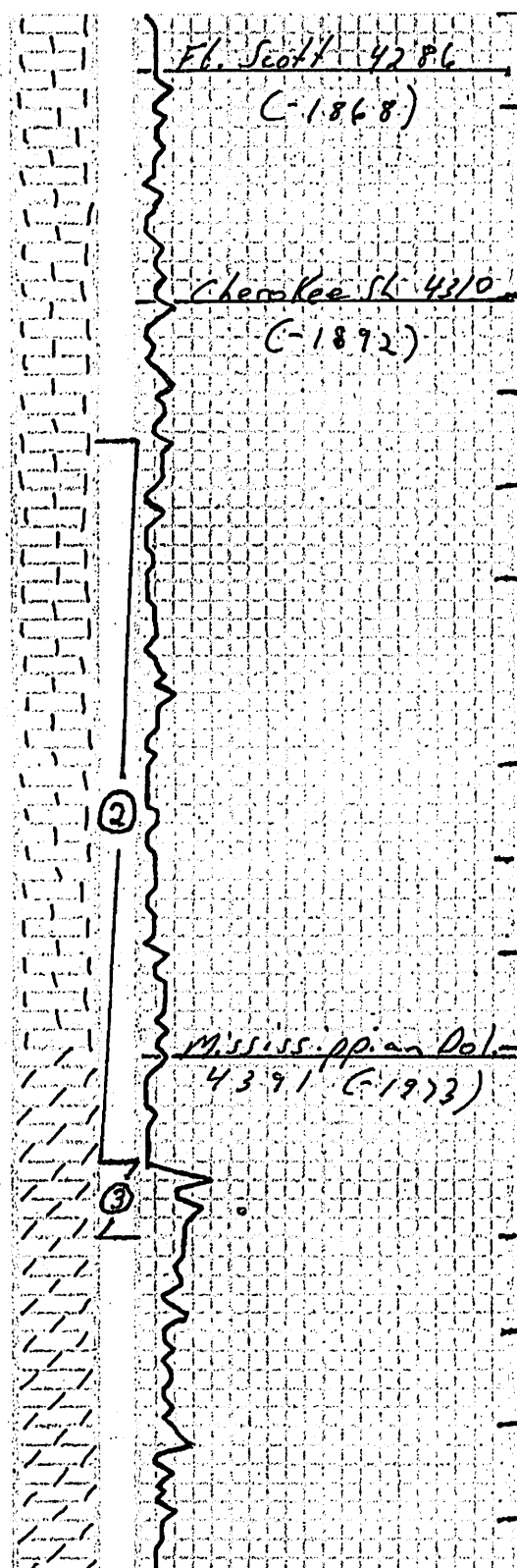
Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department





80 Sh., dk carb
ls. tan, v. fine, x. l. m. dense
hard, p. vis. sh., foss., p. f. o. d., 15570

90 ls. gray, lt. tan, fine, x. l. m. dense
hard, p. vis. sh., foss., p. f. o. d., 15570

4300 ls. gray - tan, fine, x. l. m. dense
hard, p. vis. sh., foss., p. f. o. d., 15570

10 Sh., dk carb

20 ls. gray - tan, fine, x. l. m. dense
hard, p. vis. sh., foss., p. f. o. d., 15570

30 Sh., gray - blk

40 ls. gray, lt. tan, fine, x. l. m. dense
hard, p. vis. sh., foss., p. f. o. d., 15570

50 Sh., var color

60 Sh., AA, silty

70 ls. gray - tan, fine, x. l. m. dense
hard, p. vis. sh., foss., p. f. o. d., 15570

80 Sh., AA, v. silty - w/lt. AA

90 Dol. tan - buff, fine, med. x. l. m.
dense, hard, p. vis. sh., foss., p. f. o. d., 15570
gassy odr., 95-50

4400 Dol. tan - buff, fine, med. x. l. m.
dense, hard, p. vis. sh., foss., p. f. o. d., 15570
gassy odr., 95-50

10 Dol. tan - buff, fine, med. x. l. m.
dense, hard, p. vis. sh., foss., p. f. o. d., 15570
gassy odr., 95-50

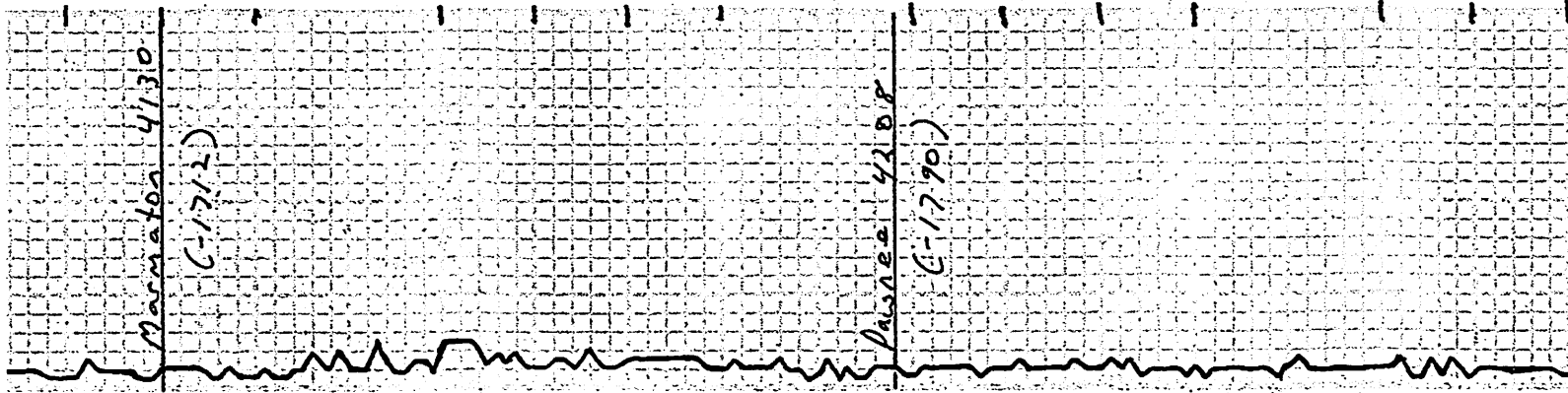
20 Dol. tan - buff, fine, med. x. l. m.
dense, hard, p. vis. sh., foss., p. f. o. d., 15570
gassy odr., 95-50

30 Dol. gray - tan, fine, x. l. m. dense
hard, p. vis. sh., foss., p. f. o. d., 15570
gassy odr., 95-50

40

DST # 2 4325'-4402'
70-30-30-30
Loc. 520' TF 210' GIP
IF-0.0.0.-10" FSI-1/4"
FF-0.0.0.-10" FSI-1/4"
60' gcm (570g, 580, 9070m)
60' cgo (2070g, 90700)
192' gcm (1070g, 10700, 8070m)
208' cgo (1570g, 85700)
HP-2199# 2126#
IFP-42# 144# FFP-156# 212#
ISIP-1209# FSIIP-1184#

DST # 3 4402'-4410'
70-30-30-30
Loc. 855' MW (1570m, 8570w)
IF-0.0.0.-1"
FF-0.0.0.-2" N. return
HP-2237#-2221#
IFP-124#-124#



20

30

40

50

60

70

80

90

4200

10

20

30

40

50

60

70

0.1 mV

Sch. 1914 - BK

Kingman - white, 20, female /
Nashville, 12/15, same for

LS, AA

Kingman - white, 20, female /
Nashville, 12/15, same for

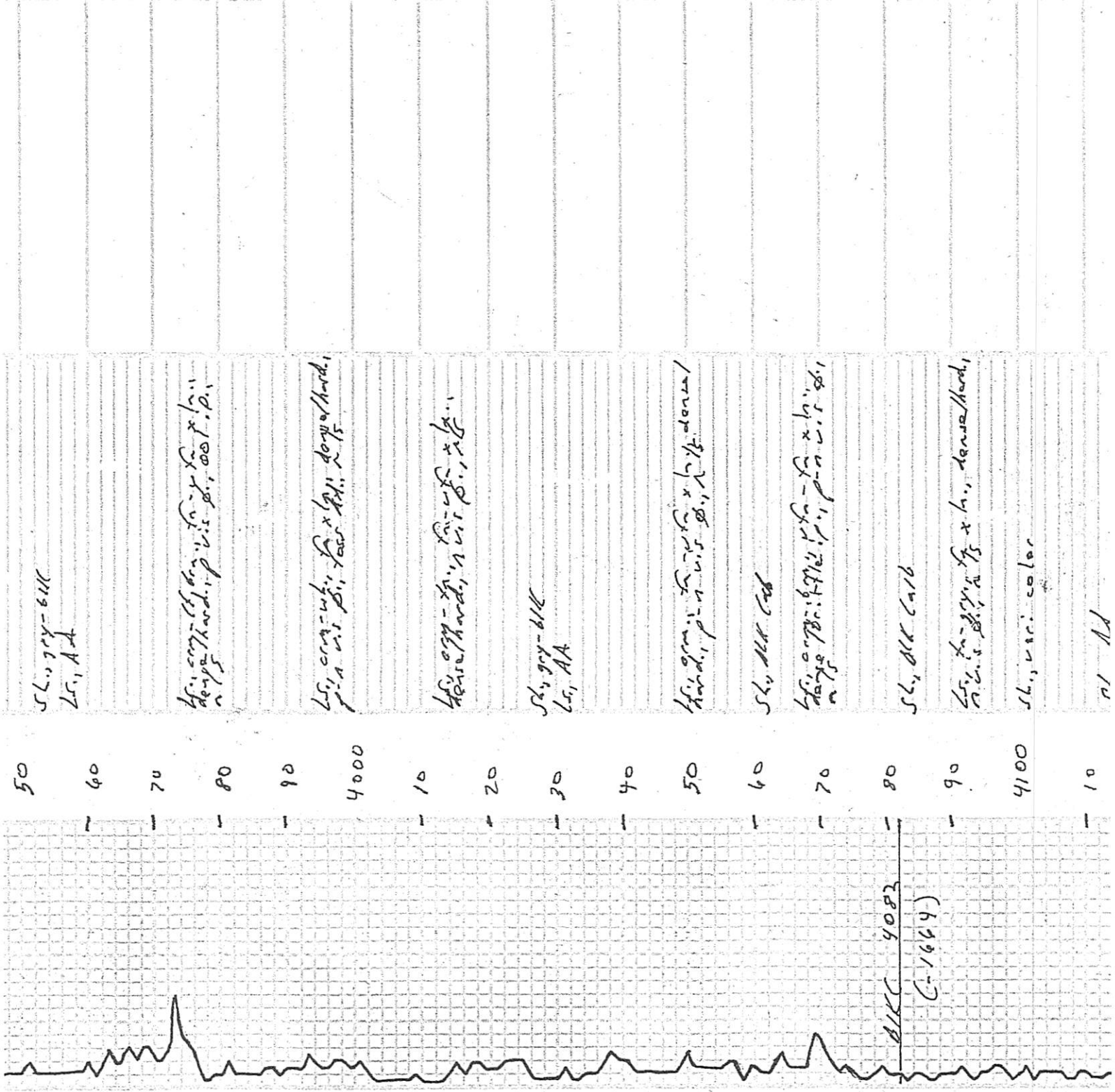
Kingman - white, 20, female /
Nashville, 12/15, same for

Kingman - white, 20, female /
Nashville, 12/15, same for

Kingman - white, 20, female /
Nashville, 12/15, same for

Kingman - white, 20, female /
Nashville, 12/15, same for

LS, AA



Sk., grey - blk
Lr., AA

Sk., grey - blk
Lr., AA
dense hard, p. vis. p., 001. p. 11
n. 5

Sk., grey - blk
Lr., AA
dense hard, p. vis. p., 001. p. 11
n. 5

Sk., grey - blk
Lr., AA
dense hard, p. vis. p., 001. p. 11
n. 5

Sk., grey - blk
Lr., AA

Sk., grey - blk
Lr., AA
dense hard, p. vis. p., 001. p. 11
n. 5

Sk., blk carb

Sk., blk carb
Lr., AA
dense hard, p. vis. p., 001. p. 11
n. 5

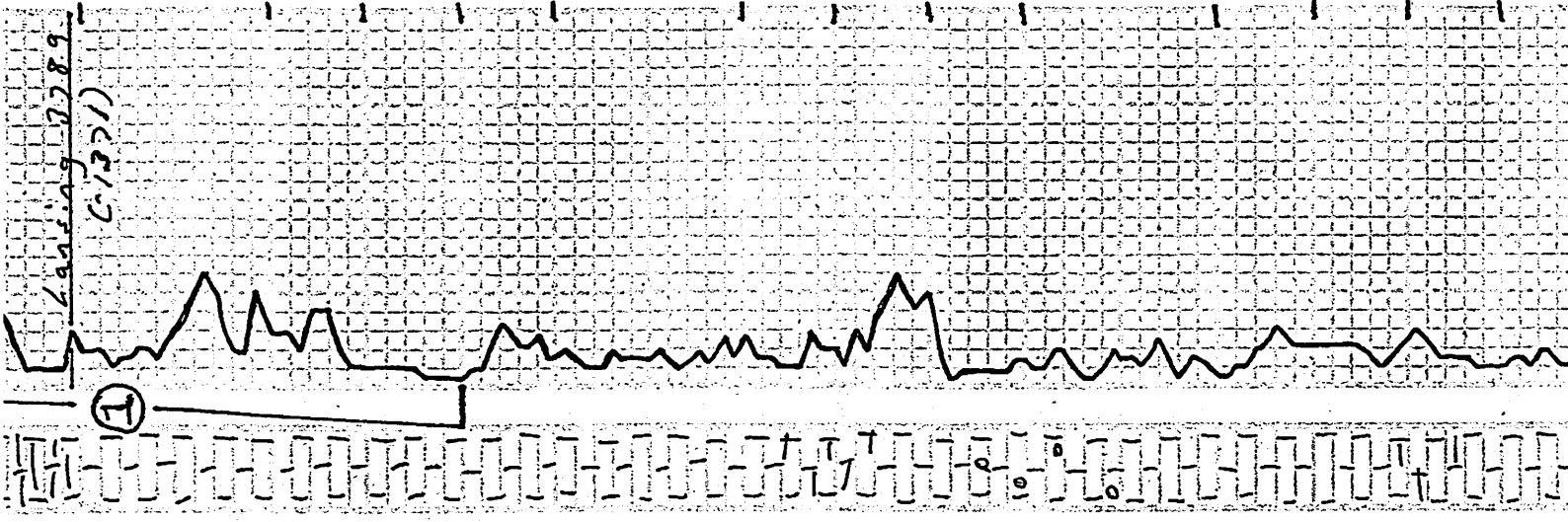
Sk., blk carb

Sk., blk carb
Lr., AA
dense hard, p. vis. p., 001. p. 11
n. 5

Sk., var. color

n. 1 Ad

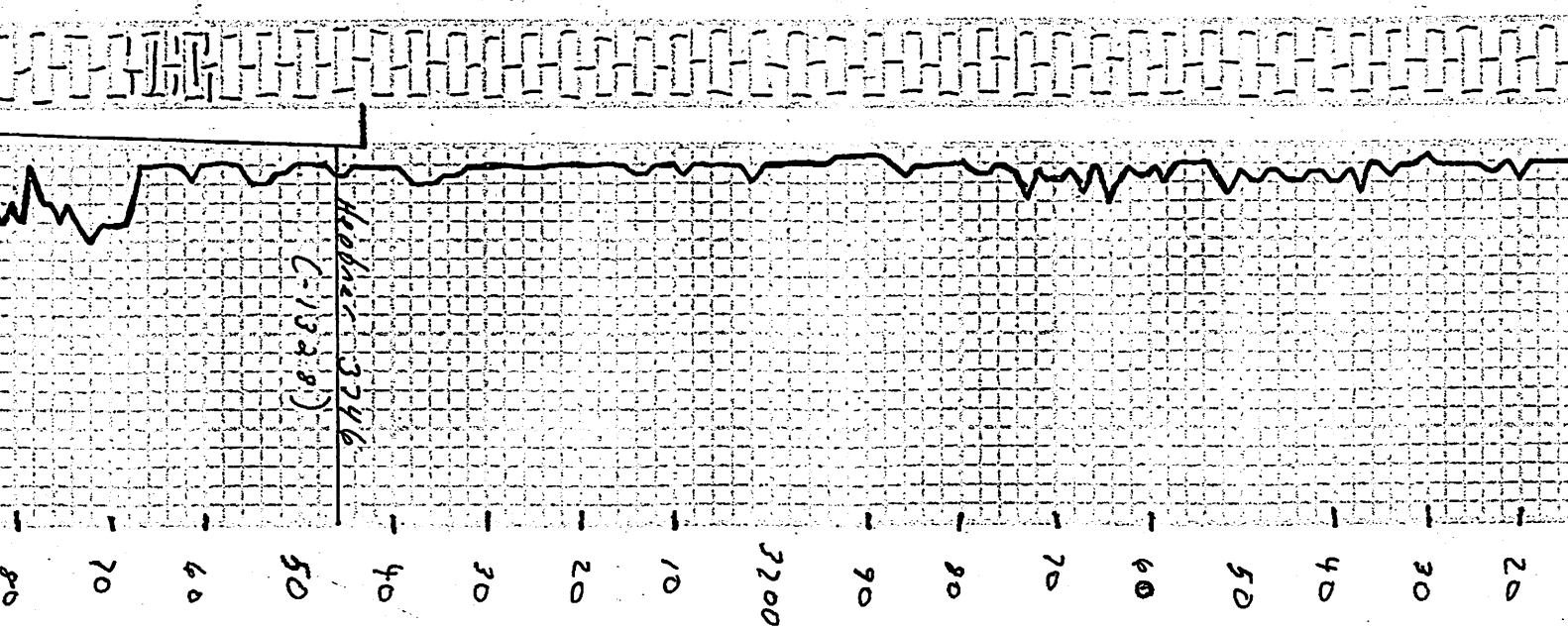
BKC 4083
(-1664)



56, 94 - red
 45, 50 - tan
 40, 45 - white
 35, 40 - black
 30, 35 - red
 25, 30 - white
 20, 25 - black
 15, 20 - white
 10, 15 - black
 5, 10 - white
 0, 5 - black

Mud ✓ @ 3830
 W6 - 7.0
 W5 - 8.4
 W4 - 5.700
 Lem - 2#

56, 94 - red
 45, 50 - tan
 40, 45 - white
 35, 40 - black
 30, 35 - red
 25, 30 - white
 20, 25 - black
 15, 20 - white
 10, 15 - black
 5, 10 - white
 0, 5 - black



15.0 cm. f. x 1.5 x 1.5 x 1.5

15.0 cm. f. x 1.5 x 1.5 x 1.5

15.0 cm. f. x 1.5 x 1.5 x 1.5

15.0 cm. f. x 1.5 x 1.5 x 1.5

15.0 cm. f. x 1.5 x 1.5 x 1.5

15.0 cm. f. x 1.5 x 1.5 x 1.5

15.0 cm. f. x 1.5 x 1.5 x 1.5

15.0 cm. f. x 1.5 x 1.5 x 1.5

15.0 cm. f. x 1.5 x 1.5 x 1.5

OST A 2 2743'-3830'
 30-30-30-30
 Rec. 90' JDCM (1080, 902m)
 SF-2"
 SF-2"
 N. Ref. 100
 HP-1790 # 1748 #
 IFA-20 # 41 # PFA-45 # 61 #
 IFA-1212 # PFA-1133 #

LEGEND

- 

Alluvial Soil
- 

Sand
- 

Cobble
- 

Marly Sandstone
- 

Collina
- 

Clay
- 

Basalts

SCALE 1" = 100'

Drilling Core Inclusion	Depth	Sample Description	Remarks, Soil Test Results, etc.
3400	10	[Grid]	
20	20	[Grid]	
70	70	[Grid]	
40	40	[Grid]	

Ryan Seib
Petroleum Geologist

815 S. Topoka

Wess City, KS 67509

(785) 788-5398

GEOLOGIST'S REPORT
DRILLING LOG AND SAMPLE LOG

OPERATION Palomino Petroleum
LEASE Max # 2
FIELD _____
LOCATION 1023' FNL + 905' FNL
SEC. 31 TWP. 17S RGE 24W
COUNTY Wess STATE Kansas

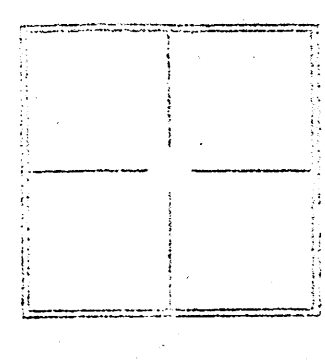
ELEVATION
TO 2418'
OF _____
AT 2410'
Measurements Are All
From KB

CONTRACTOR W.W. Drilling Rig #12
LOG NO. 4/12/17 DATE 4/18/17
LOG TO 4550' LOG TO 4550'
CABLES AWAY FROM 3500' TO ATD
CABLES TIME AWAY FROM 3450' TO RTD
CABLES STAYING FROM 3500' TO RTD
CABLES OFF FROM 3500' TO ATD
LOG NO. 2350' TYPE LOG Chemical
NO. 15-135-25748

CAGING RECORD
DEPTH 85/2" @
213'
DURATION 5 1/2"

WELL LOG SERVICES
CNO, DFL, Micro,
Sonic, PE

FORMATION	LOG NO.	DEPTH	LOG NO.	DEPTH
Anhydrite	1686 (+732)	1698 (+720)		
Heebner	3743 (-1325)	3748 (-1328)		
Lansing	3783 (-1365)	3789 (-1371)		
OKC	4081 (-1663)	4082 (-1664)		
Normaton	4132 (-1714)	4130 (-1712)		
Lawsee	4205 (-1787)	4208 (-1790)		
St. Scott	4285 (-1867)	4286 (-1868)		
Cherokee St.	4312 (-1894)	4310 (-1892)		
Mississippi	4382 (-1969)	4391 (-1973)		



REMARKS WELL FOR STRATIGRAPHIC CORRELATION