



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1200335
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1200335

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	JD 1
Doc ID	1200335

Tops

Name	Top	Datum
Anhy.	1676	(+ 706)
Base Anhy.	1708	(+ 674)
Topeka	3472	(-1090)
Heebner	3762	(-1330)
Lansing	3799	(-1417)
BKC	4079	(-1697)
Marmaton	4122	(-1740)
Pawnee	4194	(-1812)
Ft. Scott	4287	(-1905)
Cherokee Sh.	4305	(-1923)
Cherokee Sd.	4368	(-1986)
Miss.	4408	(-2026)
LTD	4529	(-2147)



RECEIVED

MAR 22 2014

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 141861

Invoice Date: Mar 11, 2014

Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	54206	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Russell	Mar 11, 2014	4/10/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	J D #1		
230.00	CEMENT MATERIALS	60/40 Blend	15.30	3,519.00
60.00	CEMENT MATERIALS	Flo Seal	2.97	178.20
230.00	CEMENT SERVICE	Cubic Feet Charge	2.48	570.40
247.50	CEMENT SERVICE	Ton Mileage Charge	2.60	643.50
1.00	CEMENT SERVICE	Rotary Plug	2,213.75	2,213.75
50.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	385.00
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
1.00	CEMENT SUPERVISOR	Glenn Ginther		
1.00	OPERATOR ASSISTANT	Danny Sinner		
1.00	OPERATOR ASSISTANT	Jesse Cozart		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,523.97

ONLY IF PAID ON OR BEFORE
Apr 5, 2014

Subtotal	7,619.85
Sales Tax	468.62
Total Invoice Amount	8,088.47
Payment/Credit Applied	
TOTAL	8,088.47

ALLIED OIL & GAS SERVICES, LLC 054206

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell Ks

DATE <u>3-11-14</u>	SEC. <u>20</u>	TWR. <u>17</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 PM</u>	JOB FINISH <u>10:00 PM</u>
LEASE <u>J.D.</u>	WELL# <u>1</u>	LOCATION <u>Ransom Ks 1E 5S 1/2 E</u>			COUNTY <u>Ness</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR W.D. DRLG. Rig #10

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4530

CASING SIZE 8 5/8 DEPTH 513

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 x-H DEPTH 1740'

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 230 SX 40 48 GEL

1/4# FO-Seal

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

230 SX 40 Blend @ 15.30 3519.00

1/4# FO-Seal 60 LBS @ 2.97 178.20

EQUIPMENT

PUMP TRUCK CEMENTER Glenn G.

417 HELPER Danny S.

BULK TRUCK

378 DRIVER Jessy G.

BULK TRUCK

DRIVER

HANDLING 230 @ 2.45 570.40

MILEAGE 247.50 @ 2.60 643.50

TOTAL 4911.10

REMARKS:

50 SX @ 1740'

80 SX @ 960'

50 SX @ 540'

20 SX @ 60'

30 SX @ Rat Hole

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 2213.75

EXTRA FOOTAGE @

MILEAGE Hu Int 50 @ 7.70 385.00

MANIFOLD @

LUMF 25 @ 4.40 110.00

CHARGE TO: Palomino Petroleum

STREET

CITY STATE ZIP

TOTAL 2708.75

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

To: Allied Oil & Gas 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.

SALES TAX (if Any)

TOTAL CHARGES 7619.85

DISCOUNT 1523.97 IF PAID IN 30 DAYS

\$6095.88
Net

PRINTED NAME J.D. Haflinger

SIGNATURE [Signature]



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

RECEIVED

MAR 15 2014

INVOICE

Invoice Number: 141732

Invoice Date: Mar 3, 2014

Page: 1

Bill To:

Palomino Petroleum, Inc.
4924 SE 84th St.
Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	55151	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Russell	Mar 3, 2014	4/2/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	JD #1		
300.00	CEMENT MATERIALS	Class A Common	17.90	5,370.00
564.00	CEMENT MATERIALS	Gel	0.24	135.36
846.00	CEMENT MATERIALS	Chloride	0.80	676.80
300.00	CEMENT SERVICE	Cubic Feet Charge	2.48	744.00
352.50	CEMENT SERVICE	Ton Mileage Charge	2.60	916.50
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	385.00
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	EQUIPMENT OPERATOR	Kevin Rupp		

Subtotal	9,849.91
Sales Tax	380.20
Total Invoice Amount	10,230.11
Payment/Credit Applied	
TOTAL	10,230.11

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,969.98

ONLY IF PAID ON OR BEFORE
Mar 28, 2014

ALLIED OIL & GAS SERVICES, LLC 055151

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russ

DATE <u>3.3.14</u>	SEC. <u>20</u>	TWP. <u>17</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00 PM</u>	JOB FINISH <u>2:30 AM</u>
LEASE <u>JD</u>	WELL # <u>1</u>	LOCATION <u>Benson, Kc</u>	COUNTY <u>Ness</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)		<u>5 1/2 south East into.</u>					

CONTRACTOR W2W #10 OWNER _____

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. _____

CASING SIZE 9 5/8 DEPTH 513'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 15'

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 31.72 W2W

EQUIPMENT

PUMP TRUCK CEMENTER Gary P.

409 HELPER Nathan D.

BULK TRUCK

473 DRIVER Kevin R.

BULK TRUCK

_____ DRIVER _____

CEMENT AMOUNT ORDERED 300SK Wm
+ 31. cc + 21. gel

COMMON <u>300SK</u>	@ <u>17.90</u>	\$ <u>5,370.00</u>
POZMIX	@	
GEL <u>564lb</u>	@ <u>.24</u>	\$ <u>135.36</u>
CHLORIDE <u>846lb</u>	@ <u>1.80</u>	\$ <u>1,522.80</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>300</u> <u>713</u>	@ <u>2.48</u>	\$ <u>744.00</u>
MILEAGE <u>352.5</u> <u>71m</u>	@ <u>2.60</u>	\$ <u>916.50</u>
		TOTAL \$ <u>7,842.66</u>

REMARKS:

See Cementing Job Log.

Cement to Surface

CHARGE TO: Petroleum Petroleum

STREET _____

CITY _____ STATE _____ ZIP Franklin

SERVICE

DEPTH OF JOB	<u>513'</u>	
PUMP TRUCK CHARGE		\$ <u>1,512.25</u>
EXTRA FOOTAGE	@	
MILEAGE <u>Heavy 60m</u>	@ <u>7.70</u>	\$ <u>385.00</u>
MANIFOLD <u>Light 25m</u>	@ <u>4.40</u>	\$ <u>110.00</u>
	@	
	@	
		TOTAL \$ <u>2,007.25</u>

To: Allied Oil & Gas 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 JD Hagen

SIGNATURE [Signature]

PLUG & FLOAT EQUIPMENT

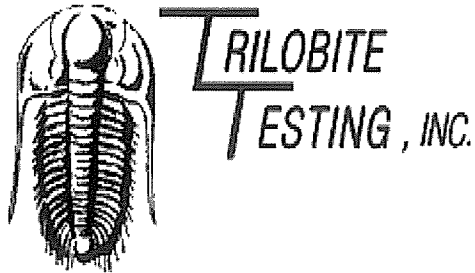
	@	
	@	
	@	
	@	
	@	
	@	
		TOTAL <u>0</u>

SALES TAX (if Any) _____

TOTAL CHARGES \$ 9,849.91

DISCOUNT \$ 1,969.90 IF PAID IN 30 DAYS

Net 7,879.93



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

JD #1

20-17s-23w Ness,KS

Start Date: 2014.03.08 @ 22:24:00

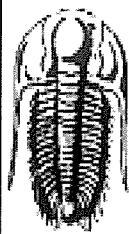
End Date: 2014.03.09 @ 04:50:24

Job Ticket #: 56313 DST #: 1

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

Printed: 2014.03.16 @ 12:26:06

Palomino Petroleum Inc 20-17s-23w Ness,KS JD #1 DST # 1 Cherokee 2014.03.08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St.
 Newton KS 67114
 ATTN: Andrew Stenzel

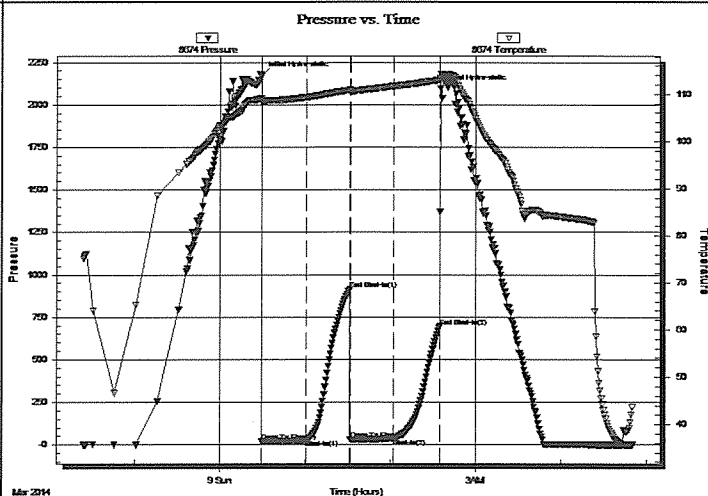
20-17s-23w Ness,KS
JD #1
 Job Ticket: 56313 **DST#: 1**
 Test Start: 2014.03.08 @ 22:24:00

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:29:25
 Time Test Ended: 04:50:24
 Interval: **4328.00 ft (KB) To 4383.00 ft (KB) (TVD)**
 Total Depth: 4383.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 72
 Reference Elevations: 2382.00 ft (KB)
 2377.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8674 Inside
 Press@RunDepth: 35.49 psig @ 4330.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.08 End Date: 2014.03.09 Last Calib.: 2014.03.09
 Start Time: 22:24:00 End Time: 04:50:24 Time On Btm: 2014.03.09 @ 00:29:10
 Time Off Btm: 2014.03.09 @ 02:35:10

TEST COMMENT: IF- Weak Surface Blow Built to 1/2" Test was over at 5 :50 w ith daylight savings time
 IS- No Blow
 FF- Built to Weak Surface Blow
 FS- No Blow



PRESSURE SUMMARY

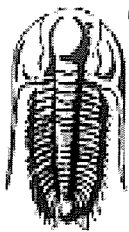
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2171.43	109.14	Initial Hydro-static
1	19.82	108.26	Open To Flow (1)
32	27.40	109.34	Shut-In(1)
62	911.89	110.85	End Shut-In(1)
63	30.45	110.49	Open To Flow (2)
93	35.49	111.69	Shut-In(2)
126	694.44	113.01	End Shut-In(2)
126	2096.64	113.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	GOCM 3%g 9%oil 88%m	0.07
5.00	GMCO 3%g 32%m 65%oil	0.02
5.00	100%oil	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

20-17s-23w Ness, KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56313

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2014.03.08 @ 22:24:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:29:25

Time Test Ended: 04:50:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 72

Interval: 4328.00 ft (KB) To 4383.00 ft (KB) (TVD)

Reference Elevations: 2382.00 ft (KB)

Total Depth: 4383.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4330.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.08

End Date:

2014.03.09

Last Calib.:

2014.03.09

Start Time: 22:24:05

End Time:

04:51:59

Time On Btm:

Time Off Btm:

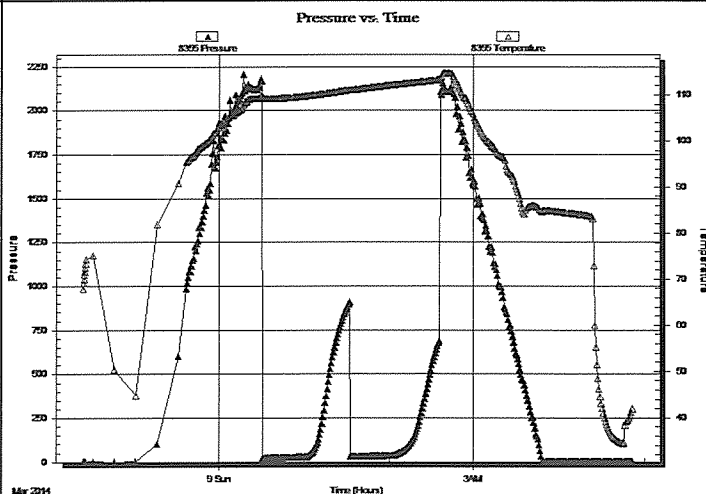
TEST COMMENT: IF- Weak Surface Blow Built to 1/2"

Test was over at 5 :50 w ith daylight savings time

IS- No Blow

FF- Built to Weak Surface Blow

FS- No Blow



PRESSURE SUMMARY

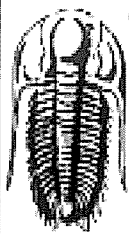
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
15.00	GOCM 3%g 9%oil 88%m	0.07
5.00	GMCO 3%g 32%m 65%oil	0.02
5.00	100%oil	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56313

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2014.03.08 @ 22:24:00

Tool Information

Drill Pipe:	Length: 4203.00 ft	Diameter: 3.80 inches	Volume: 58.96 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: 28000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 24000.00 lb
			<u>Total Volume: 59.56 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4328.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	82.00 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			4302.00	
Shut In Tool	5.00			4307.00	
Hydraulic tool	5.00			4312.00	
Jars	5.00			4317.00	
Safety Joint	2.00			4319.00	
Packer	5.00			4324.00	27.00 Bottom Of Top Packer
Packer	4.00			4328.00	
Stubb	1.00			4329.00	
Perforations	1.00			4330.00	
Recorder	0.00	8355	Outside	4330.00	
Recorder	0.00	8674	Inside	4330.00	
Perforations	15.00			4345.00	
Change Over Sub	1.00			4346.00	
Drill Pipe	31.00			4377.00	
Change Over Sub	1.00			4378.00	
Bullnose	5.00			4383.00	55.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56313

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2014.03.08 @ 22:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	GOCM 3%g 9%oil 88%m	0.074
5.00	GMCO 3%g 32%m 65%oil	0.025
5.00	100%oil	0.025

Total Length: 25.00 ft Total Volume: 0.124 bbl

Num Fluid Samples: 0

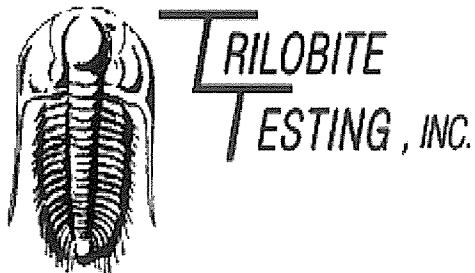
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 34 @ 40f = 36



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

JD #1

20-17s-23w Ness,KS

Start Date: 2014.03.09 @ 13:16:00

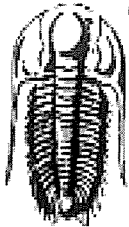
End Date: 2014.03.09 @ 19:37:24

Job Ticket #: 56314 DST #: 2

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

Printed: 2014.03.16 @ 12:25:39

Palomino Petroleum Inc 20-17s-23w Ness,KS JD #1 DST # 2 Cherokee 2014.03.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56314

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2014.03.09 @ 13:16:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:12:55

Time Test Ended: 19:37:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: **4328.00 ft (KB) To 4405.00 ft (KB) (TVD)**

Reference Elevations: 2382.00 ft (KB)

Total Depth: 4405.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8674

Inside

Press@RunDepth: 84.40 psig @ 4329.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.09

End Date:

2014.03.09

Last Calib.: 2014.03.09

Start Time: 13:16:00

End Time:

19:37:24

Time On Btm: 2014.03.09 @ 15:12:25

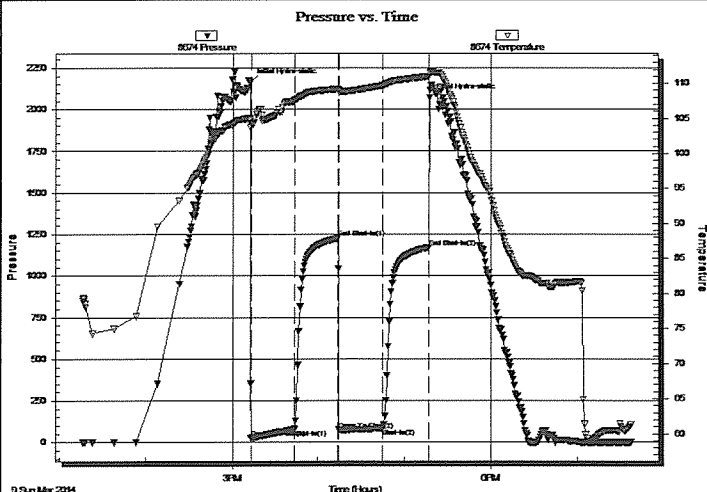
Time Off Btm: 2014.03.09 @ 17:17:40

TEST COMMENT: IF- Weak Surface Blow Built to 3 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 3"

FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2162.17	104.75	Initial Hydro-static
1	23.66	104.07	Open To Flow (1)
31	74.71	107.53	Shut-In(1)
62	1225.10	109.17	End Shut-In(1)
63	74.33	108.72	Open To Flow (2)
93	84.40	109.69	Shut-In(2)
125	1171.26	111.00	End Shut-In(2)
126	2070.77	111.45	Final Hydro-static

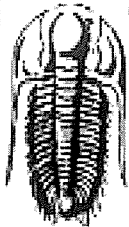
Recovery

Length (ft)	Description	Volume (bbl)
62.00	WGOCM 3%w 5%g 10%oil 82%m	0.30
62.00	GOCM 2%g 16%oil 82%m	0.32
10.00	GOCM 4%g 35%oil 61%m	0.14
30.00	GMCO 2%g 3%m 95%oil	0.42
0.00	22' of 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 Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56314

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2014.03.09 @ 13:16:00

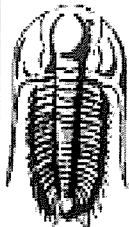
Tool Information

Drill Pipe:	Length: 4203.00 ft	Diameter: 3.80 inches	Volume: 58.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 18000.00 lb
			<u>Total Volume: 59.56 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4328.00 ft			Final 58000.00 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			4302.00	
Shut In Tool	5.00			4307.00	
Hydraulic tool	5.00			4312.00	
Jars	5.00			4317.00	
Safety Joint	2.00			4319.00	
Packer	5.00			4324.00	27.00 Bottom Of Top Packer
Packer	4.00			4328.00	
Stubb	1.00			4329.00	
Recorder	0.00	8355	Outside	4329.00	
Recorder	0.00	8674	Inside	4329.00	
Perforations	7.00			4336.00	
Change Over Sub	1.00			4337.00	
Drill Pipe	62.00			4399.00	
Change Over Sub	1.00			4400.00	
Bullnose	5.00			4405.00	77.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56314

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2014.03.09 @ 13:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	WGOCM 3%w 5%g 10%oil 82%m	0.305
62.00	GOCM 2%g 16%oil 82%m	0.323
10.00	GOCM 4%g 35%oil 61%m	0.140
30.00	GMCO 2%g 3%m 95%oil	0.421
0.00	22' of GIP	0.000

Total Length: 164.00 ft

Total Volume: 1.189 bbl

Num-Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 36 @ 60f = 36

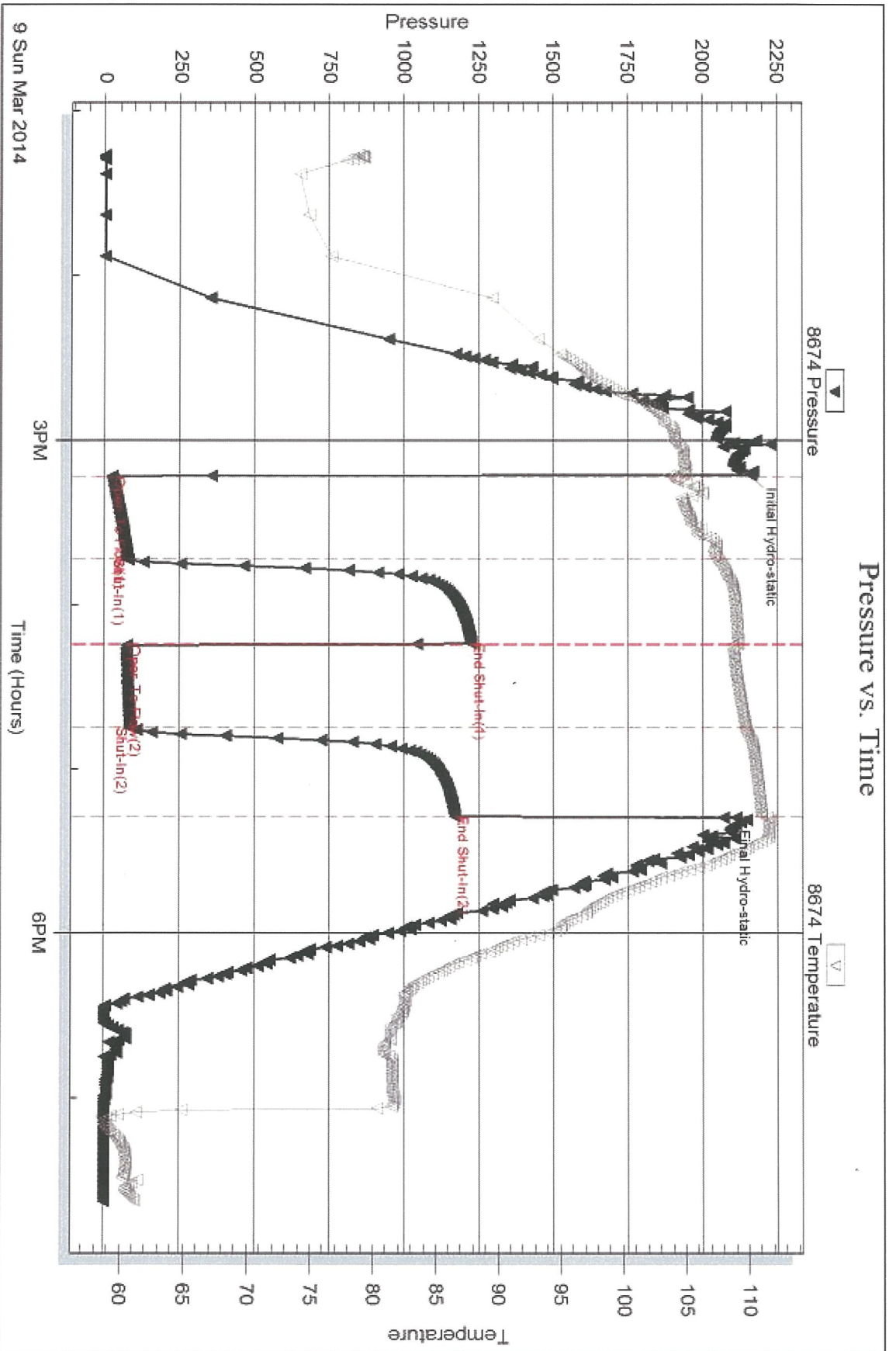
Serial #: 8674

Inside

Palomino Petroleum Inc

JD #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 56314

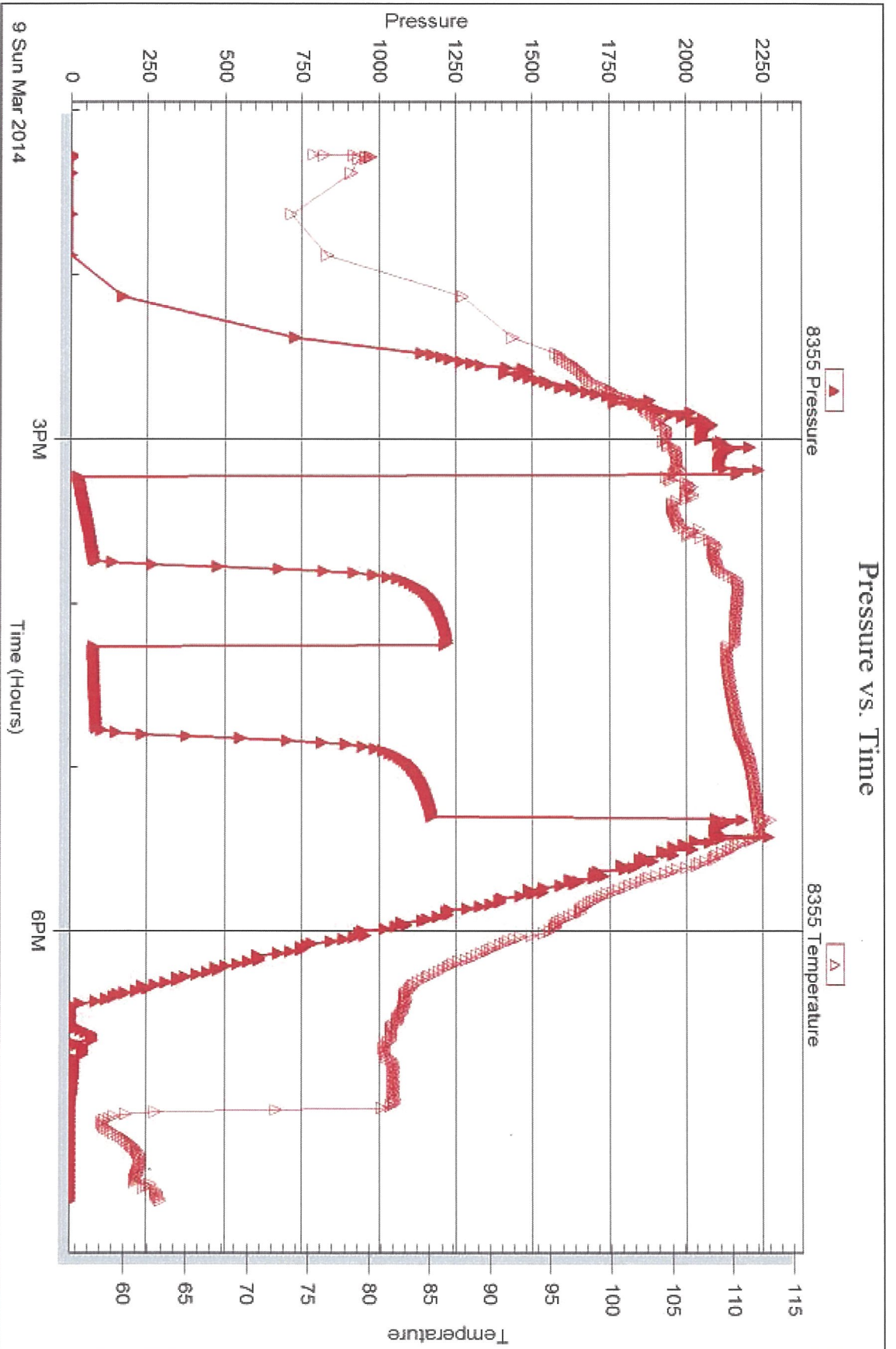
Printed: 2014.03.16 @ 12:25:42

Serial #: 8355

Outside Palomino Petroleum Inc

JD #1

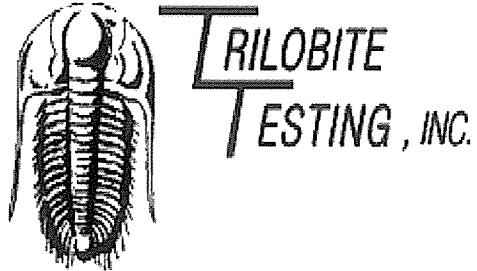
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 56314

Printed: 2014.03.16 @ 12:25:42



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

JD #1

20-17s-23w Ness,KS

Start Date: 2014.03.10 @ 02:48:00

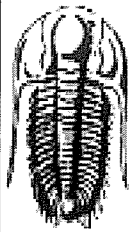
End Date: 2014.03.10 @ 09:30:39

Job Ticket #: 56315 DST #: 3

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

Printed: 2014.03.16 @ 12:25:12

Palomino Petroleum Inc
20-17s-23w Ness,KS
JD #1
DST # 3
Cherokee
2014.03.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
Newton KS 67114

JD #1

Job Ticket: 56315

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2014.03.10 @ 02:48:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:48:40

Time Test Ended: 09:30:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: **4328.00 ft (KB) To 4419.00 ft (KB) (TVD)**

Reference Elevations: 2382.00 ft (KB)

Total Depth: 4419.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8674

Inside

Press@RunDepth: 92.99 psig @ 4331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.10

End Date:

2014.03.10

Last Calib.:

2014.03.10

Start Time: 02:48:00

End Time:

09:30:39

Time On Btm:

2014.03.10 @ 04:48:25

Time Off Btm:

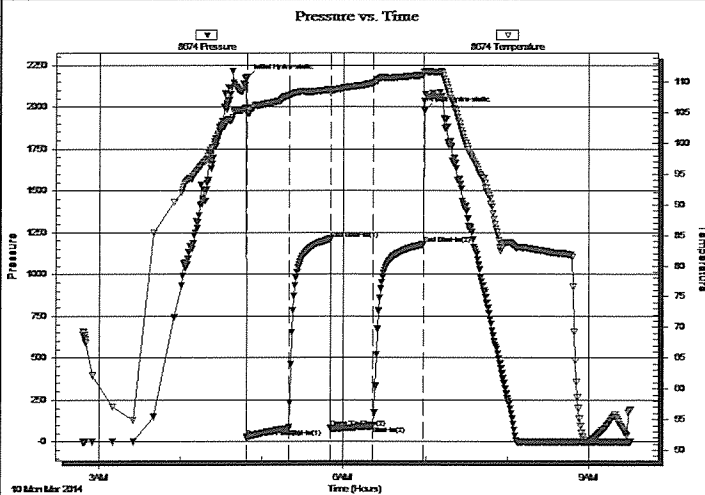
2014.03.10 @ 06:58:40

TEST COMMENT: IF- Weak Surface Blow Built to 3 3/4"

IS- No Blow

FF- Weak Surface Blow Built to 2"

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.15	105.79	Initial Hydro-static
1	25.29	104.84	Open To Flow (1)
32	76.31	107.72	Shut-In(1)
62	1210.62	108.73	End Shut-In(1)
63	80.56	108.14	Open To Flow (2)
93	92.99	109.79	Shut-In(2)
130	1178.84	111.12	End Shut-In(2)
131	1976.22	111.63	Final Hydro-static

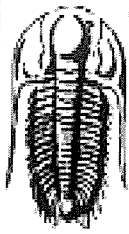
Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 2%g 5%oil 93%m	0.30
62.00	GOCM 4%g 7%oil 89%m	0.32
20.00	GOCM 3%g 22%oil 75%m	0.28
40.00	GMCO 6%g 14%m 80%oil	0.56
0.00	62' of Weak 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 Inc

20-17s-23w Ness, KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56315

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2014.03.10 @ 02:48:00

GENERAL INFORMATION:

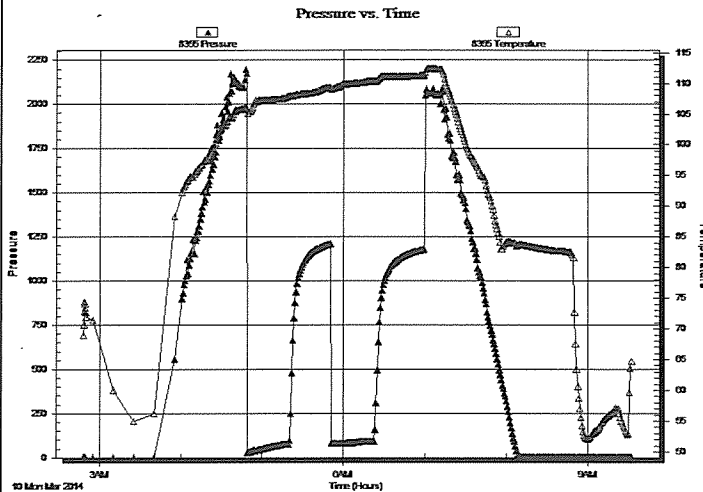
Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 04:48:40 Tester: Will MacLean
 Time Test Ended: 09:30:39 Unit No: 72
 Interval: 4328.00 ft (KB) To 4419.00 ft (KB) (TVD) Reference Elevations: 2382.00 ft (KB)
 Total Depth: 4419.00 ft (KB) (TVD) 2377.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8355

Outside

Press@RunDepth: psig @ 4331.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.10 End Date: 2014.03.10 Last Calib.: 2014.03.10
 Start Time: 02:48:05 End Time: 09:31:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to 3 3/4"
 IS- No Blow
 FF- Weak Surface Blow Built to 2"
 FS- No Blow



PRESSURE SUMMARY

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

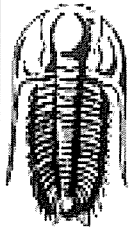
Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 2%g 5%oil 93%w	0.30
62.00	GOCM 4%g 7%oil 89%w	0.32
20.00	GOCM 3%g 22%oil 75%w	0.28
40.00	GMCO 6%g 14%w 80%oil	0.56
0.00	62' of Weak 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 Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56315

DST#: 3

ATTN: Andrew Stenzel

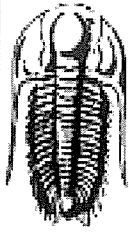
Test Start: 2014.03.10 @ 02:48:00

Tool Information

Drill Pipe:	Length: 4203.00 ft	Diameter: 3.80 inches	Volume: 58.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 14000.00 lb
			<u>Total Volume: 59.56 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4328.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	118.00 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			4302.00	
Shut In Tool	5.00			4307.00	
Hydraulic tool	5.00			4312.00	
Jars	5.00			4317.00	
Safety Joint	2.00			4319.00	
Packer	5.00			4324.00	27.00 Bottom Of Top Packer
Packer	4.00			4328.00	
Stubb	1.00			4329.00	
Perforations	2.00			4331.00	
Recorder	0.00	8355	Outside	4331.00	
Recorder	0.00	8674	Inside	4331.00	
Perforations	19.00			4350.00	
Change Over Sub	1.00			4351.00	
Drill Pipe	62.00			4413.00	
Change Over Sub	1.00			4414.00	
Bullnose	5.00			4419.00	91.00 Bottom Packers & Anchor
Total Tool Length:	118.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56315

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2014.03.10 @ 02:48:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.95 in³
Resistivity: ohm.m
Salinity: 6200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 35 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOCM 2%g 5%oil 93%m	0.305
62.00	GOCM 4%g 7%oil 89%m	0.323
20.00	GOCM 3%g 22%oil 75%m	0.281
40.00	GMCO 6%g 14%m 80%oil	0.561
0.00	62' of Weak GIP	0.000

Total Length: 184.00 ft Total Volume: 1.470 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 34 @ 50f = 35

Serial #: 8674

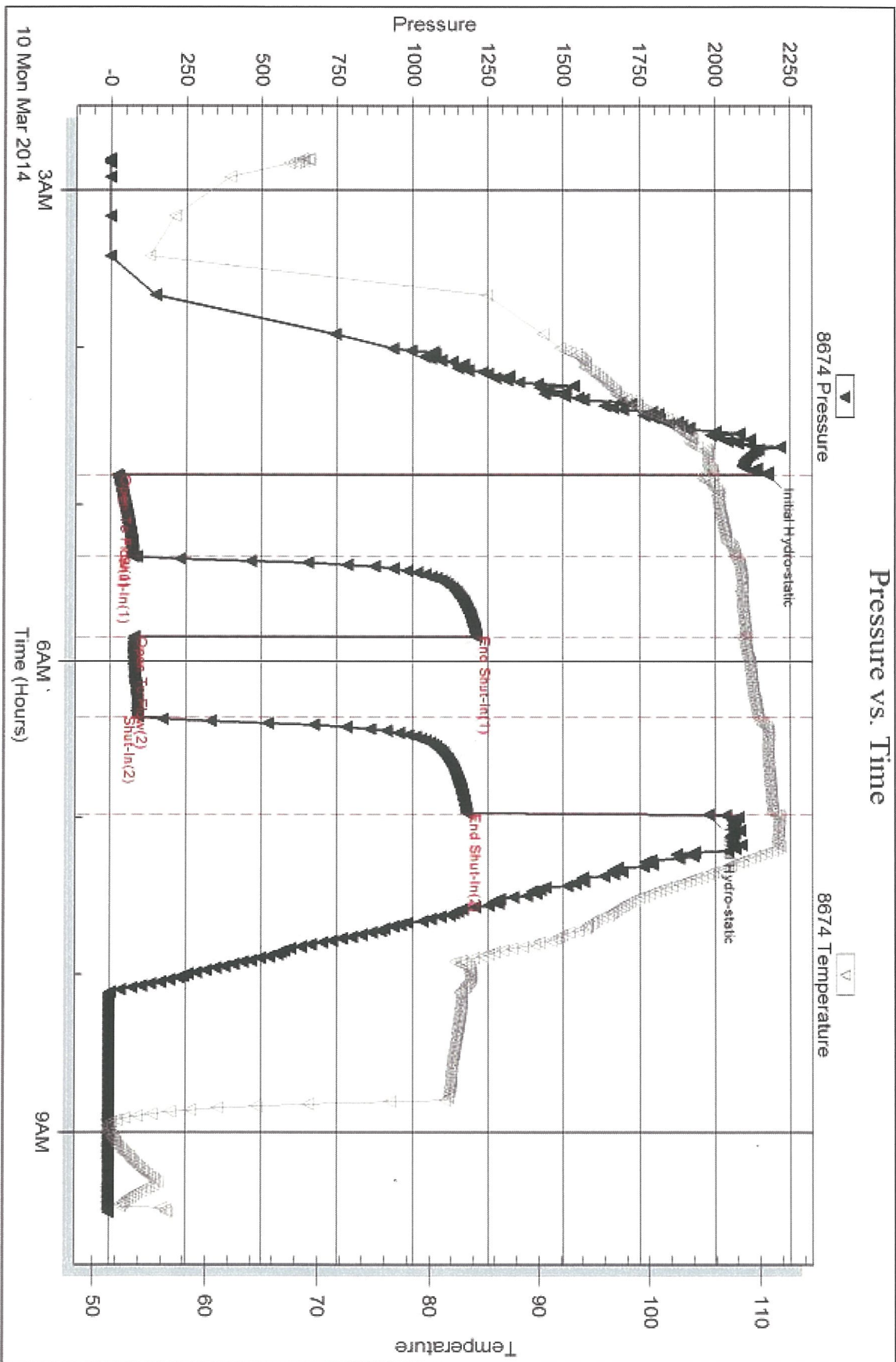
Inside

Palomino Petroleum Inc

JD#1

DST Test Number: 3

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 56315

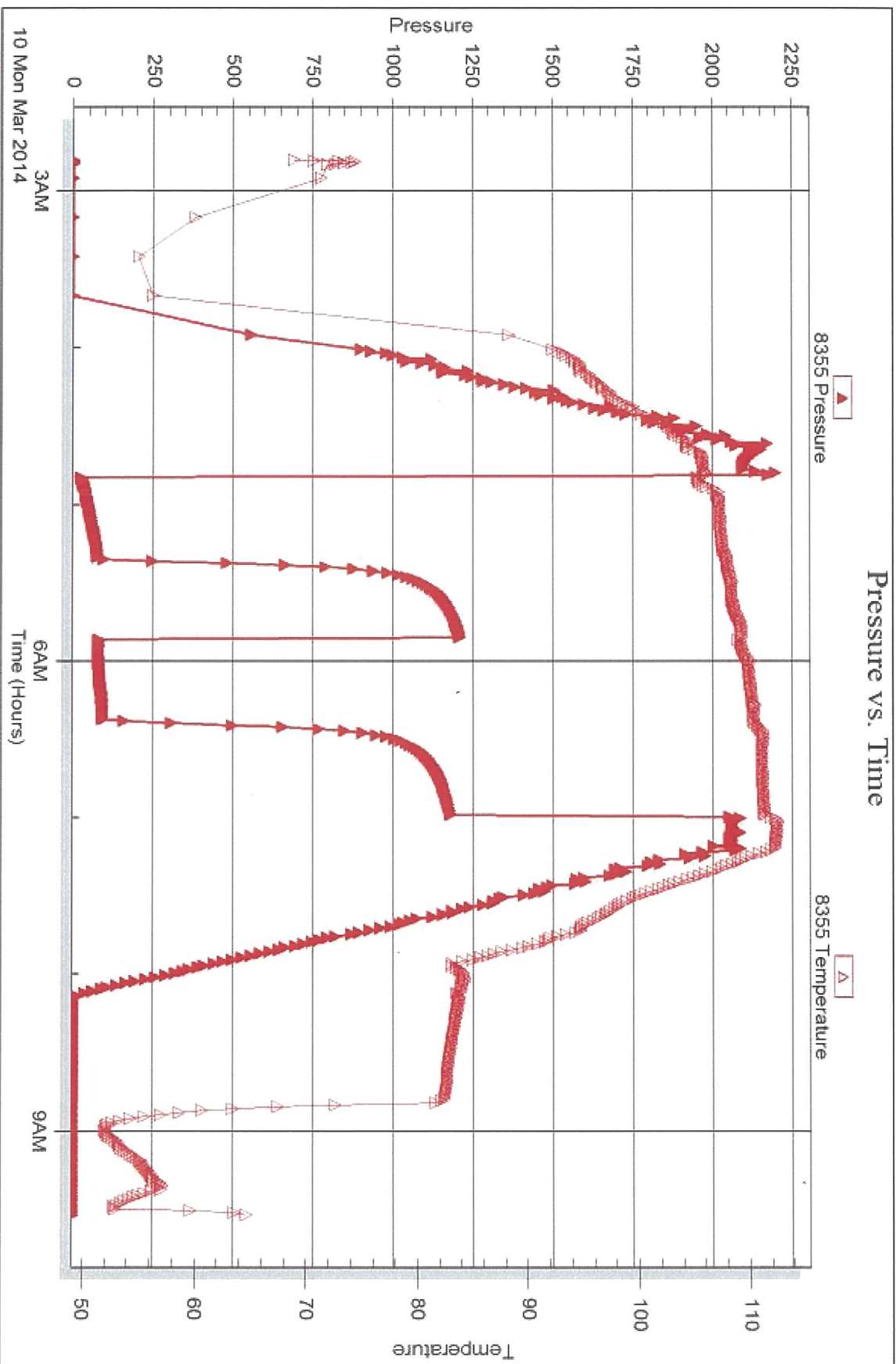
Printed: 2014.03.16 @ 12:25:14

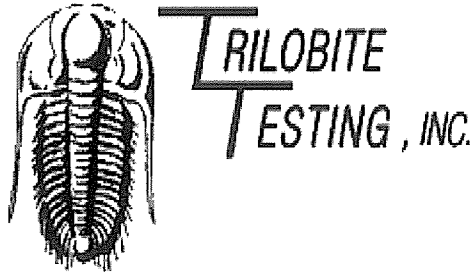
Serial #: 8355

Outside Palomino Petroleum Inc

JD #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

JD #1

20-17s-23w Ness,KS

Start Date: 2014.03.10 @ 22:44:00

End Date: 2014.03.11 @ 05:03:39

Job Ticket #: 56316 DST #: 4

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

Printed: 2014.03.16 @ 12:24:45



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56316

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2014.03.10 @ 22:44:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:44:25

Time Test Ended: 05:03:39

Test Type: Conventional Straddle (Reset)

Tester: Will MacLean

Unit No: 72

Interval: **4416.00 ft (KB) To 4432.00 ft (KB) (TVD)**

Reference Elevations: 2382.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8674

Inside

Press@RunDepth: 89.15 psig @ 4419.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.10

End Date:

2014.03.11

Last Calib.: 2014.03.11

Start Time: 22:44:00

End Time:

05:03:39

Time On Btm: 2014.03.11 @ 00:44:10

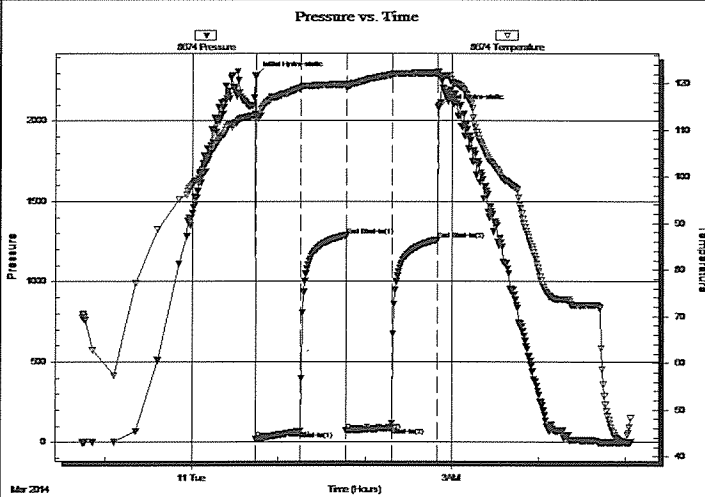
Time Off Btm: 2014.03.11 @ 02:50:10

TEST COMMENT: IF- Weak Surface Blow Built to 1"

IS- No Blow

FF- Weak Surface Blow Built to 2 3/4"

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2282.80	113.41	Initial Hydro-static
1	19.58	112.61	Open To Flow (1)
32	68.07	119.03	Shut-In(1)
63	1287.35	119.78	End Shut-In(1)
63	70.43	118.98	Open To Flow (2)
94	89.15	121.88	Shut-In(2)
126	1261.56	122.19	End Shut-In(2)
126	2083.59	122.57	Final Hydro-static

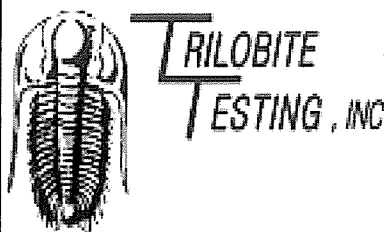
Recovery

Length (ft)	Description	Volume (bbl)
30.00	WCM 17%w 83%w with a Skim of Oil	0.15
62.00	MCW 14%w 86%w with a Few Oil Sp	0.30
62.00	MCW 22%w 78%w	0.60

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56316

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2014.03.10 @ 22:44:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:44:25

Time Test Ended: 05:03:39

Test Type: Conventional Straddle (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 4416.00 ft (KB) To 4432.00 ft (KB) (TVD)

Total Depth: 4530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2382.00 ft (KB)

2377.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4419.00 ft (KB)

Start Date: 2014.03.10

End Date:

2014.03.11

Capacity: 8000.00 psig

Last Calib.:

2014.03.11

Start Time: 22:44:05

End Time:

05:05:14

Time On Btm:

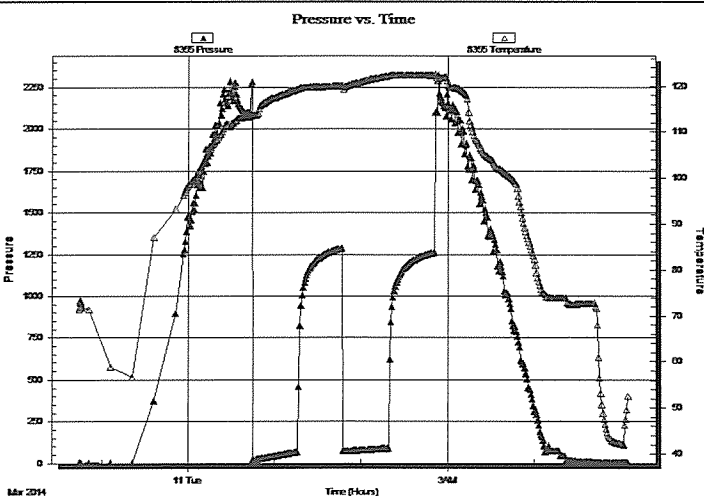
Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to 1"

IS- No Blow

FF- Weak Surface Blow Built to 2 3/4"

FS- No Blow



PRESSURE SUMMARY

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

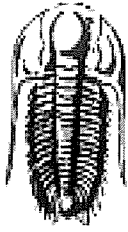
Recovery

Length (ft)	Description	Volume (bbl)
30.00	WCM 17%w 83%w with a Skim of Oil	0.15
62.00	MCW 14%w 86%w with a Few Oil Sp	0.30
62.00	MCW 22%w 78%w	0.60

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56316

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2014.03.10 @ 22:44:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Straddle (Reset)

Time Tool Opened: 00:44:25

Tester: Will MacLean

Time Test Ended: 05:03:39

Unit No: 72

Interval: **4416.00 ft (KB) To 4432.00 ft (KB) (TVD)**

Reference Elevations: 2382.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8672 Below (Straddle)

Press@RunDepth: psig @ 4433.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.10

End Date:

2014.03.11

Last Calib.:

2014.03.11

Start Time: 22:44:05

End Time:

05:04:59

Time On Btm:

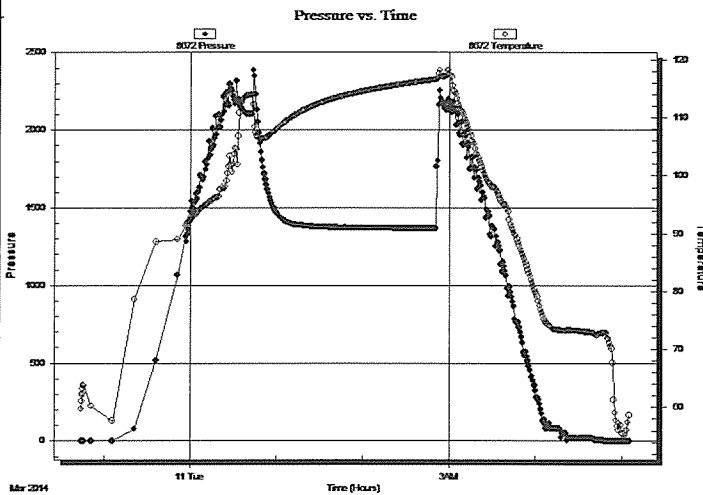
Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to 1"

IS- No Blow

FF- Weak Surface Blow Built to 2 3/4"

FS- No Blow



PRESSURE SUMMARY

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

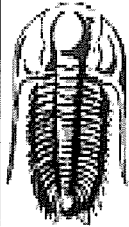
Recovery

Length (ft)	Description	Volume (bbl)
30.00	WCM 17%w 83%w with a Skim of Oil	0.15
62.00	MCW 14%w 86%w with a Few Oil Sp	0.30
62.00	MCW 22%w 78%w	0.60

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 Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56316

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2014.03.10 @ 22:44:00

Tool Information

Drill Pipe:	Length: 4294.00 ft	Diameter: 3.80 inches	Volume: 60.23 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: 32000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 18000.00 lb
			<u>Total Volume: 60.83 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4416.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	4432.00 ft			
Interval between Packers:	16.00 ft			
Tool Length:	141.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	3.00			4407.00	
Packer	5.00			4412.00	28.00 Bottom Of Top Packer
Packer	4.00			4416.00	
Stubb	1.00			4417.00	
Perforations	2.00			4419.00	
Recorder	0.00	8355	Outside	4419.00	
Recorder	0.00	8674	Inside	4419.00	
Perforations	9.00			4428.00	
Blank Off Sub	1.00			4429.00	
Top of S Packer	3.00			4432.00	16.00 Tool Interval
Packer	0.00			4432.00	
Stubb	1.00			4433.00	
Recorder	0.00	8672	Below	4433.00	
Perforations	1.00			4434.00	
Change Over Sub	1.00			4435.00	
Drill Pipe	94.00			4529.00	97.00 Bottom Packers & Anchor

Total Tool Length: 141.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56316

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2014.03.10 @ 22:44:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

19500 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WCM 17%w 83%m with a Skim of Oil on T	0.148
62.00	MCW 14%m 86%w with a Few Oil Spots	0.305
62.00	MCW 22%m 78%w	0.596

Total Length: 154.00 ft

Total Volume: 1.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .515 @ 46f = 19500

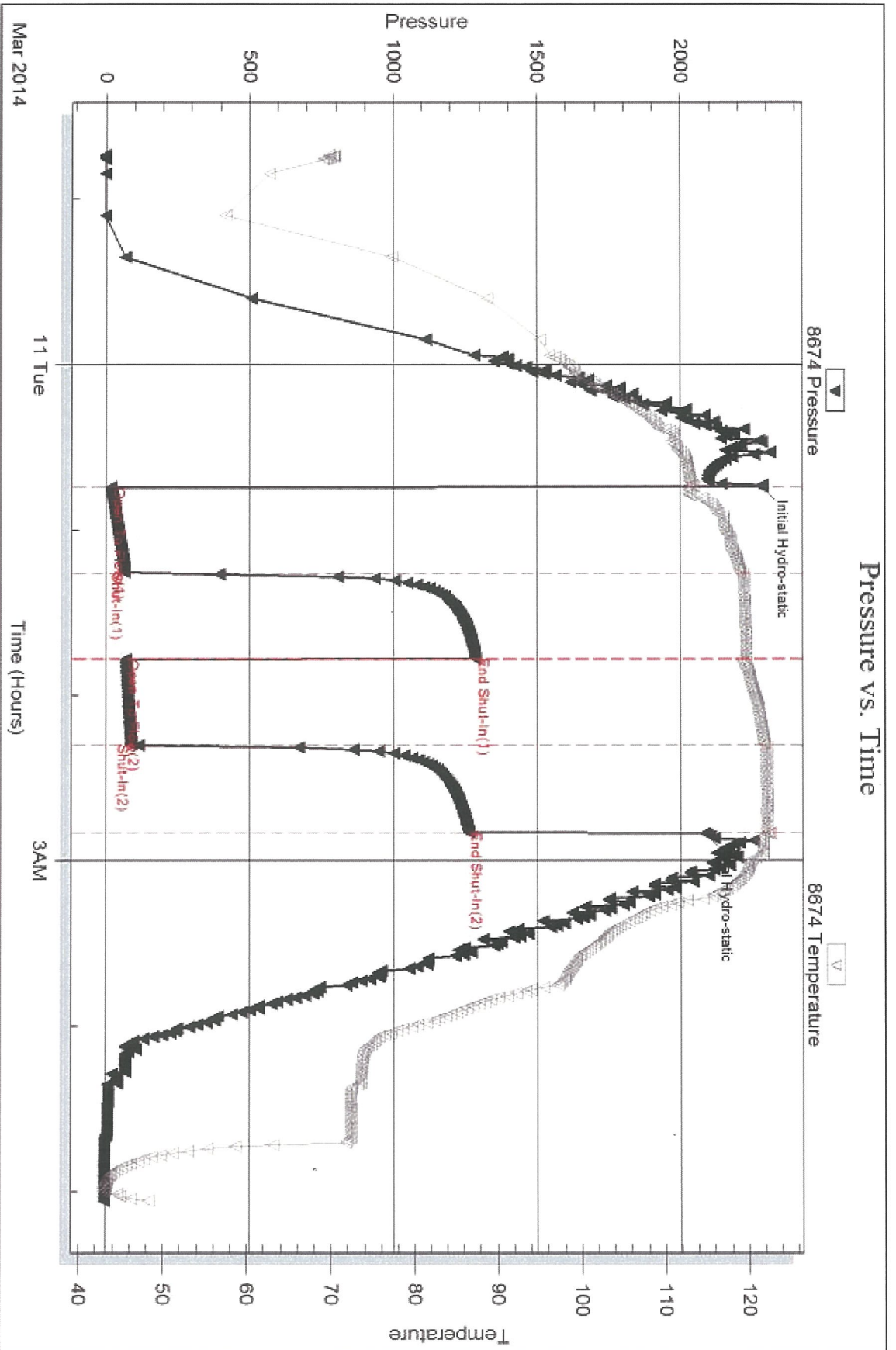
Serial #: 8674

Inside

Palomino Petroleum Inc

JD #1

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 56316

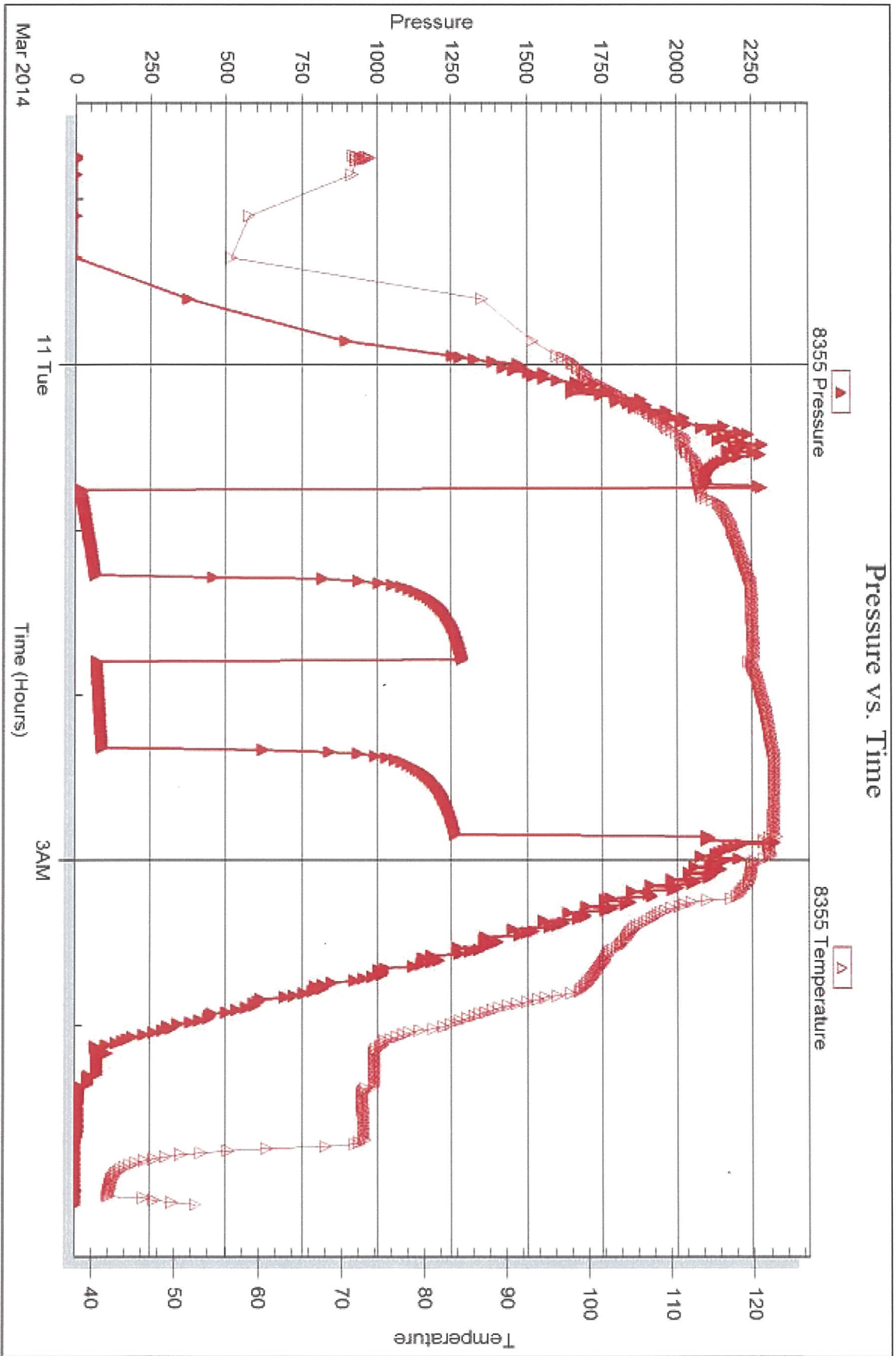
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Serial #: 8355

Outside Palomino Petroleum Inc

JD#1

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 56316

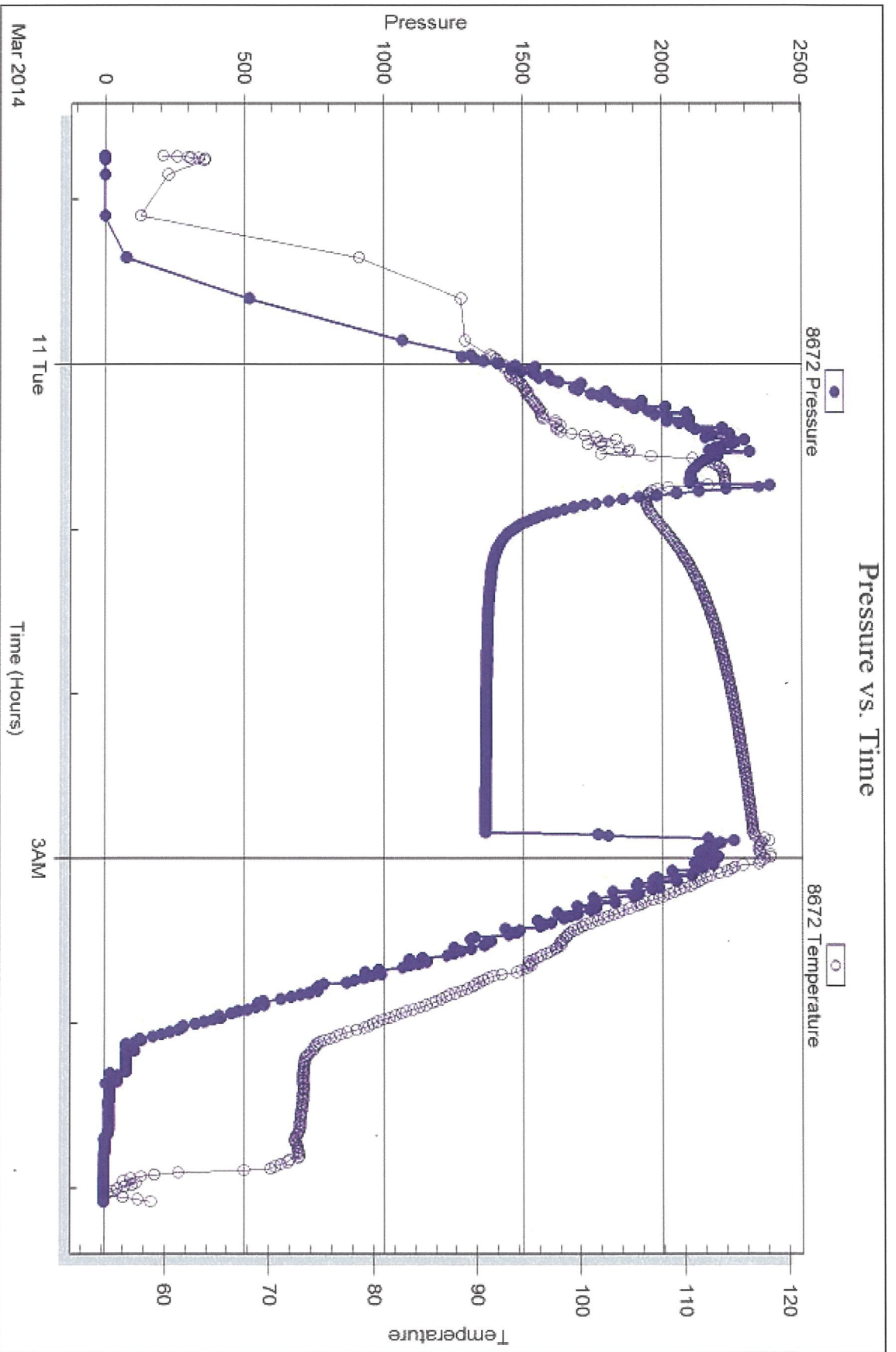
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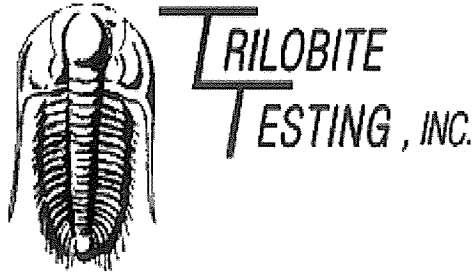
Serial #: 8672

Below (Stratton) Petroleum Inc

JD#1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St.
Newton KS 67114

ATTN: Andrew Stenzel

JD #1

20-17s-23w Ness,KS

Start Date: 2014.03.11 @ 06:34:00

End Date: 2014.03.11 @ 13:53:09

Job Ticket #: 56317 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.03.16 @ 12:24:08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56317

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2014.03.11 @ 06:34:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:40

Time Test Ended: 13:53:09

Test Type: Conventional Straddle (Reset)

Tester: Will MacLean

Unit No: 72

Interval: **4251.00 ft (KB) To 4328.00 ft (KB) (TVD)**

Total Depth: 4530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2382.00 ft (KB)

2377.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8674

Inside

Press@RunDepth: 40.77 psig @ 4252.00 ft (KB)

Start Date: 2014.03.11

End Date: 2014.03.11

Start Time: 06:34:00

End Time: 13:53:09

Capacity: 8000.00 psig

Last Calib.: 2014.03.11

Time On Btm: 2014.03.11 @ 08:52:25

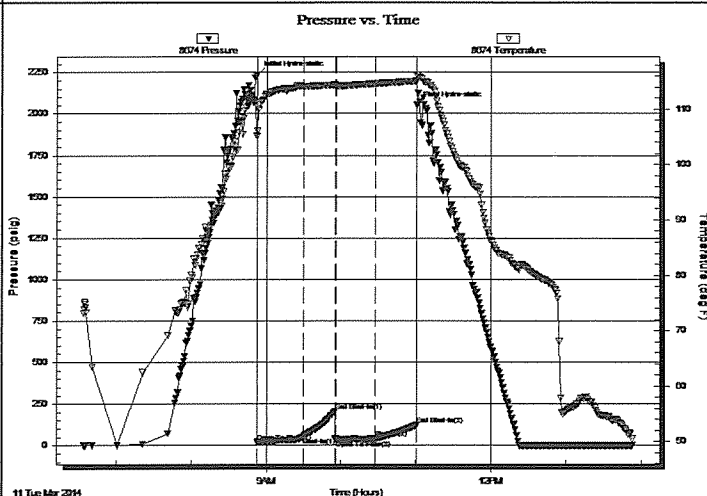
Time Off Btm: 2014.03.11 @ 11:00:39

TEST COMMENT: IF- Weak Surface Blow Built to 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 1/2"

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.53	105.08	Initial Hydro-static
1	20.62	106.02	Open To Flow (1)
38	47.54	114.15	Shut-In(1)
63	206.55	114.37	End Shut-In(1)
64	31.09	114.17	Open To Flow (2)
95	40.77	114.60	Shut-In(2)
128	121.29	115.04	End Shut-In(2)
129	2051.72	116.22	Final Hydro-static

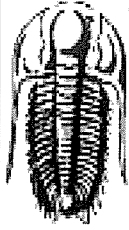
Recovery

Length (ft)	Description	Volume (bbl)
10.00	GM 3%g 97% m with a Skim of Oil	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St.
 Newton KS 67114
 ATTN: Andrew Stenzel

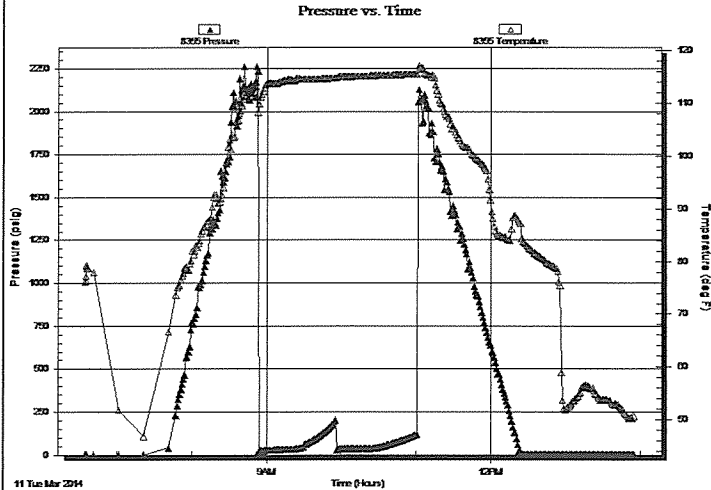
20-17s-23w Ness,KS
JD #1
 Job Ticket: 56317 **DST#: 5**
 Test Start: 2014.03.11 @ 06:34:00

GENERAL INFORMATION:

Formation: **Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 08:52:40 Tester: Will MacLean
 Time Test Ended: 13:53:09 Unit No: 72
 Interval: **4251.00 ft (KB) To 4328.00 ft (KB) (TVD)** Reference Elevations: 2382.00 ft (KB)
 Total Depth: 4530.00 ft (KB) (TVD) 2377.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8355 Outside
 Press@RunDepth: psig @ 4252.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.11 End Date: 2014.03.11 Last Calib.: 2014.03.11
 Start Time: 06:34:05 End Time: 13:54:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to 1/2"
 IS- No Blow
 FF- Weak Surface Blow Built to 1/2"
 FS- No Blow



PRESSURE SUMMARY

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

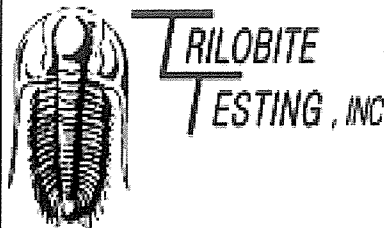
Recovery

Length (ft)	Description	Volume (bbl)
10.00	GM 3%g 97% m w ith a Skim of Oil	0.05

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

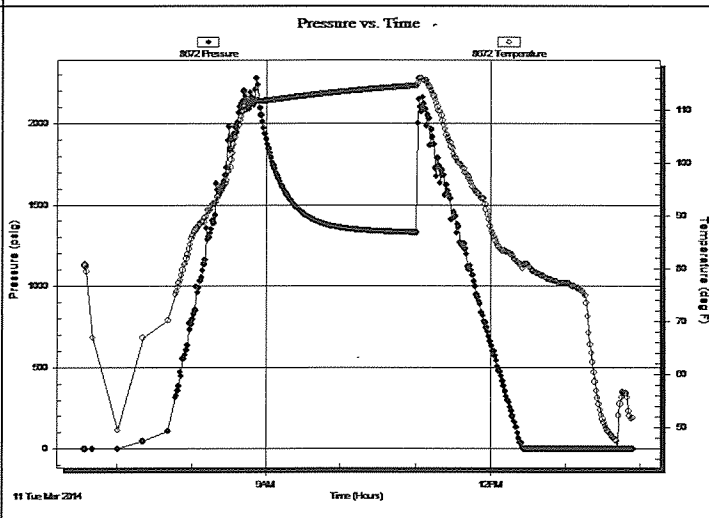
Palomino Petroleum Inc
4924 SE 84th St.
New ton KS 67114
ATTN: Andrew Stenzel

20-17s-23w Ness,KS
JD #1
Job Ticket: 56317 **DST#: 5**
Test Start: 2014.03.11 @ 06:34:00

GENERAL INFORMATION:
Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:52:40
Time Test Ended: 13:53:09
Interval: **4251.00 ft (KB) To 4328.00 ft (KB) (TVD)**
Total Depth: 4530.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 2382.00 ft (KB)
2377.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Straddle (Reset)
Tester: Will MacLean
Unit No: 72

Serial #: 8672 Below (Straddle)
Press@RunDepth: psig @ 4329.00 ft (KB)
Start Date: 2014.03.11 End Date: 2014.03.11
Start Time: 06:34:05 End Time: 13:54:29
Capacity: 8000.00 psig
Last Calib.: 2014.03.11
Time On Btm:
Time Off Btm:

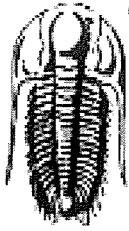
TEST COMMENT: IF- Weak Surface Blow Built to 1/2"
IS- No Blow
FF- Weak Surface Blow Built to 1/2"
FS- No Blow



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

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	GM 3%g 97%m with a Skim of Oil	0.05

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56317

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2014.03.11 @ 06:34:00

Tool Information

Drill Pipe:	Length: 4107.00 ft	Diameter: 3.80 inches	Volume: 57.61 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 12000.00 lb
			<u>Total Volume: 58.21 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4251.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	4328.00 ft			
Interval between Packers:	77.00 ft			
Tool Length:	307.00 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			4224.00	
Shut In Tool	5.00			4229.00	
Hydraulic tool	5.00			4234.00	
Jars	5.00			4239.00	
Safety Joint	3.00			4242.00	
Packer	5.00			4247.00	28.00 Bottom Of Top Packer
Packer	4.00			4251.00	
Stubb	1.00			4252.00	
Recorder	0.00	8355	Outside	4252.00	
Recorder	0.00	8674	Inside	4252.00	
Perforations	5.00			4257.00	
Change Over Sub	1.00			4258.00	
Drill Pipe	63.00			4321.00	
Change Over Sub	1.00			4322.00	
Perforations	2.00			4324.00	
Blank Off Sub	1.00			4325.00	
Top of S Packer	3.00			4328.00	77.00 Tool Interval
Packer	0.00			4328.00	
Stubb	1.00			4329.00	
Recorder	0.00	8672	Below	4329.00	
Perforations	5.00			4334.00	
Change Over Sub	1.00			4335.00	
Drill Pipe	189.00			4524.00	
Change Over Sub	1.00			4525.00	
Bullnose	5.00			4530.00	202.00 Bottom Packers & Anchor

Total Tool Length: 307.00



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

20-17s-23w Ness,KS

4924 SE 84th St.
New ton KS 67114

JD #1

Job Ticket: 56317

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2014.03.11 @ 06:34:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	GM 3%g 97%w with a Skim of Oil	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8674

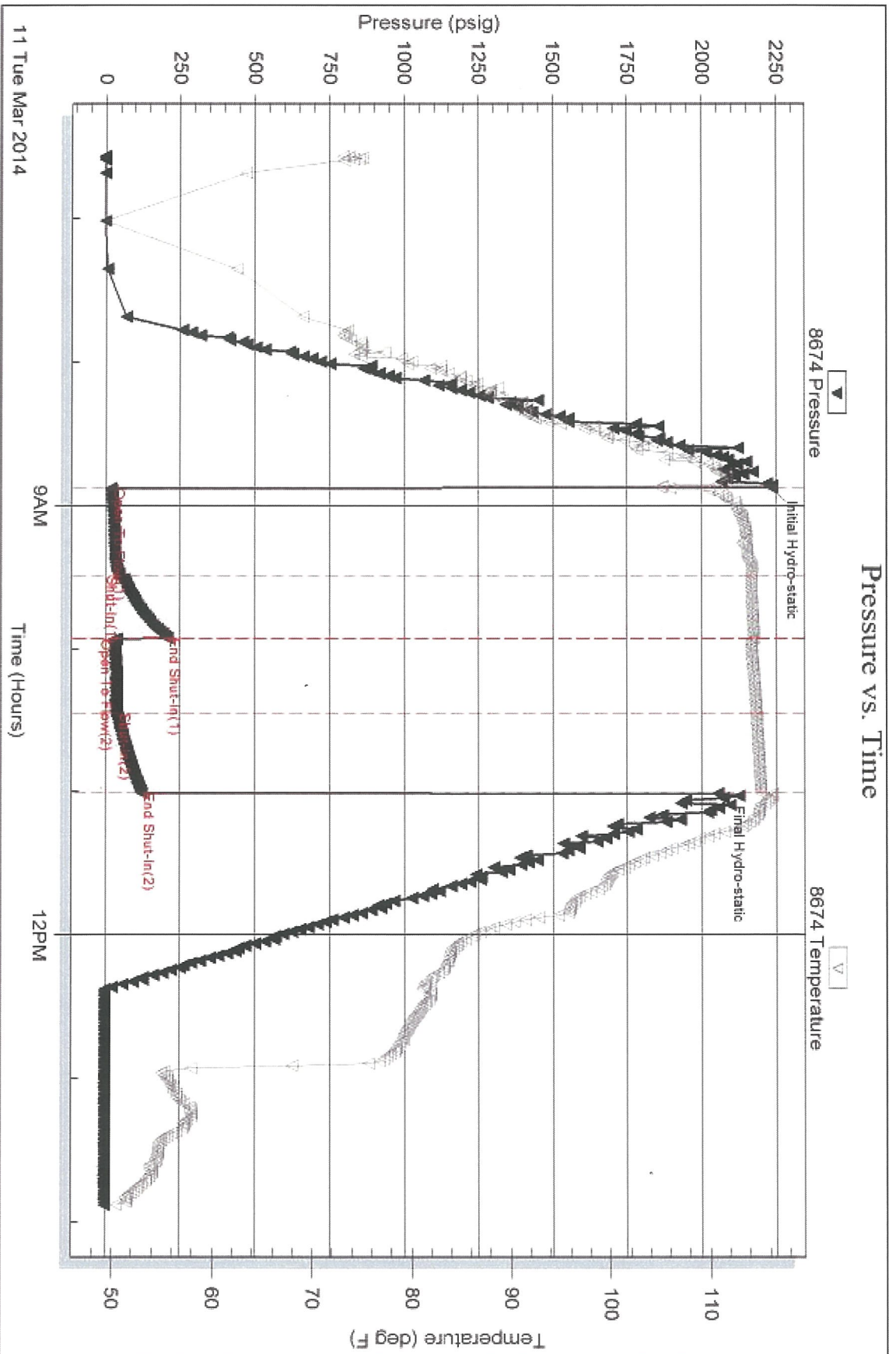
Inside

Palomino Petroleum Inc

JD #1

OST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 56317

Printed: 2014.03.16 @ 12:24:10

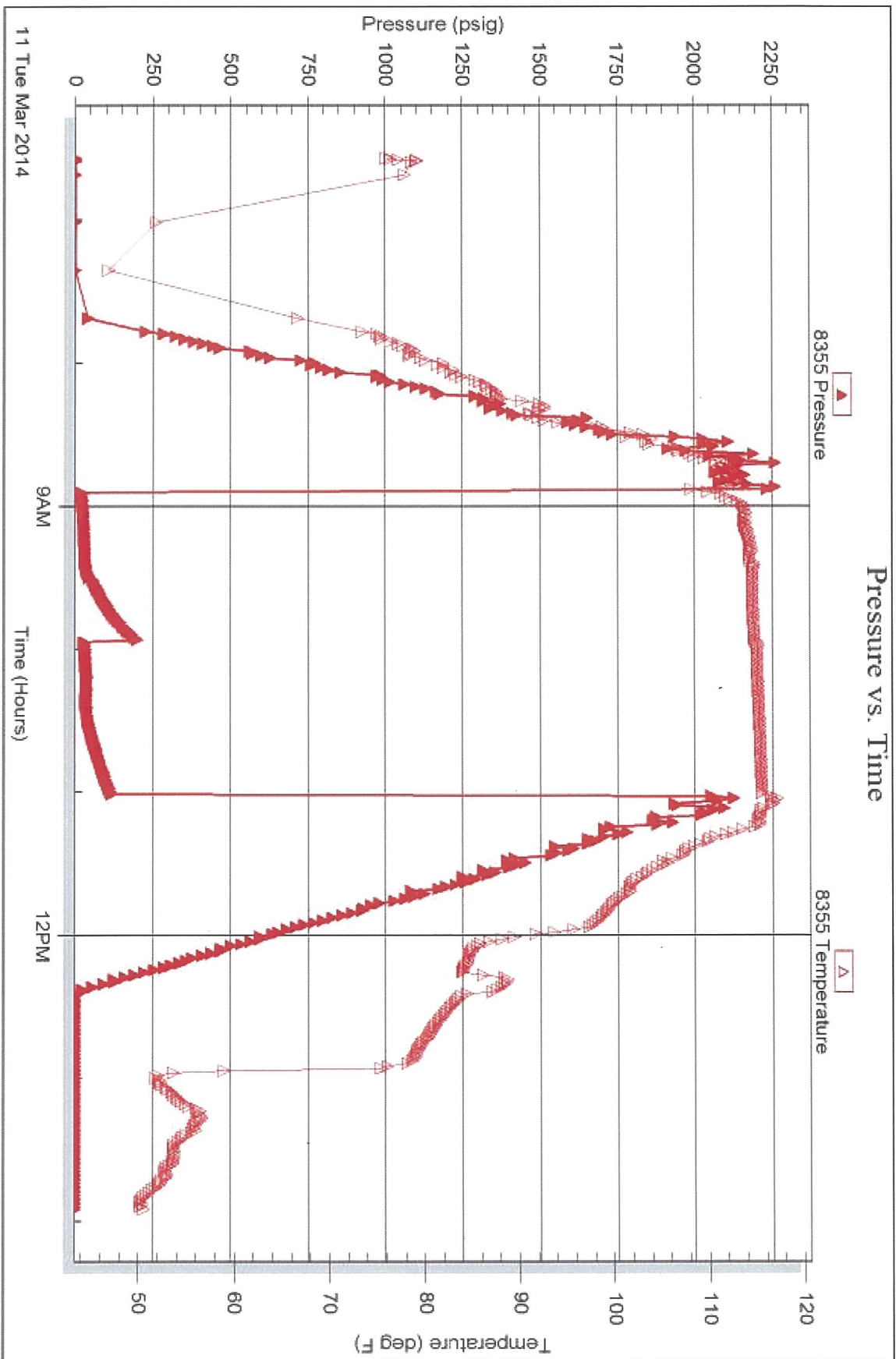
Serial #: 8355

Outside

Palomino Petroleum Inc

JD #1

DST Test Number: 5



Tribble Testing, Inc

Ref. No: 56317

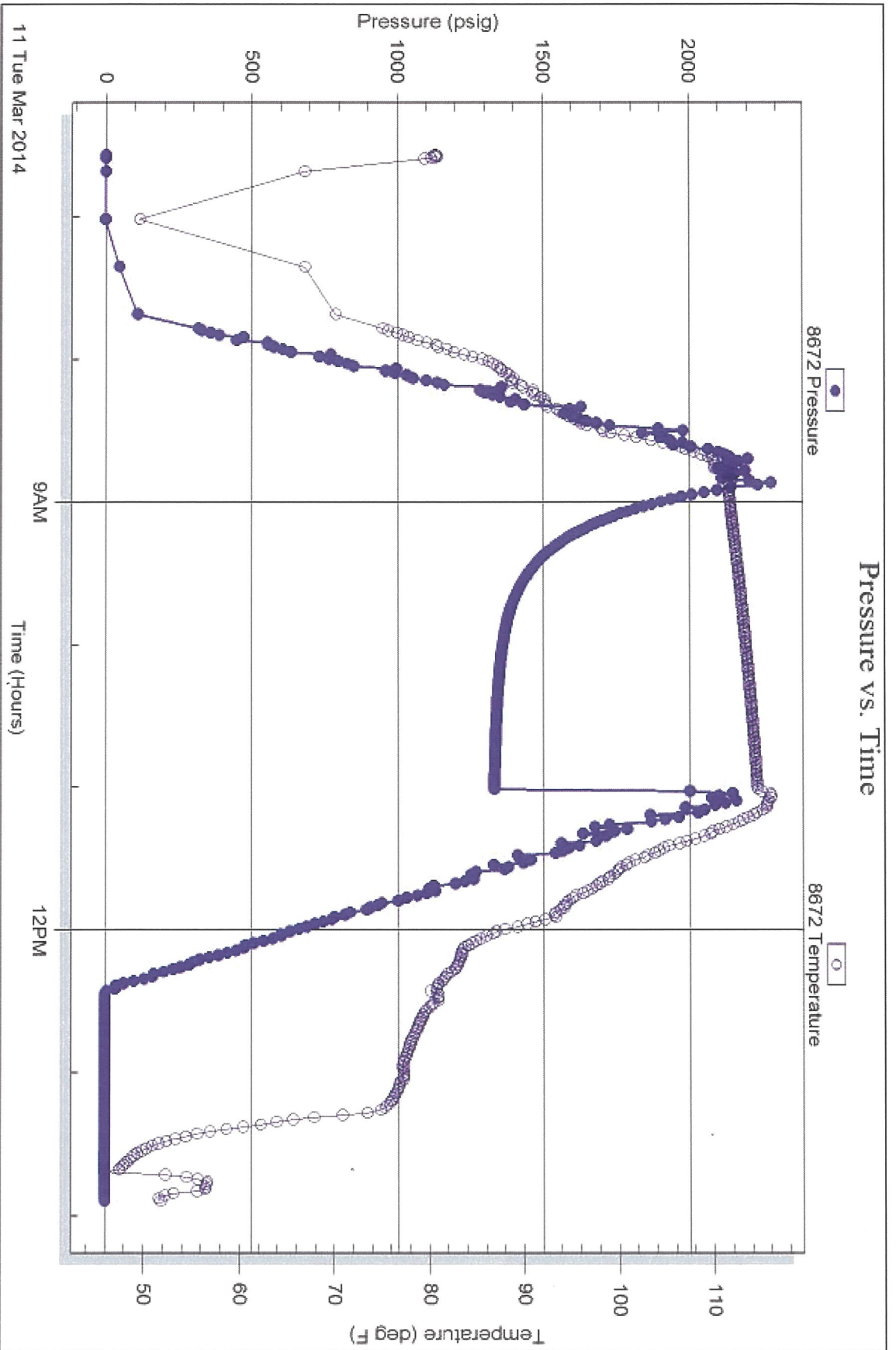
Printed: 2014.03.16 @ 12:24:10

Serial #: 8672

Below (Sir Rattana) Petroleum Inc

JD #1

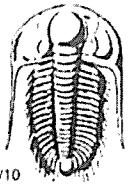
DST Test Number: 5



Trilobe Testing, Inc

Ref. No: 56317

Printed: 2014.03.16 @ 12:24:10



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56313

Well Name & No. JD #1 Test No. DST=1 Date 3-8-14
 Company Palomino Petroleum Inc Elevation 2382 KB 2377 GL
 Address 4924 SE 84th St, Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW Rig #10
 Location: Sec. 20 Twp. 17s Rge. 23w Co. Ness State KS

Interval Tested 4328-4383 Zone Tested Cherokee
 Anchor Length 55 Drill Pipe Run 4203 Mud Wt. 9.4
 Top Packer Depth 4324 Drill Collars Run 122 Vis 48
 Bottom Packer Depth 4328 Wt. Pipe Run 0 WL 6.4
 Total Depth 4383 Chlorides 5900 ppm System LCM Trace
 Blow Description IF - Weak Surface Blow Built to 1/2"
ISI - No Blow
FF - Built to Weak Surface Blow
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Oil</u>		<u>100</u>		
<u>5</u>	<u>G-MCO</u>	<u>3</u>	<u>65</u>		<u>32</u>
<u>15</u>	<u>G-OCM</u>	<u>3</u>	<u>9</u>		<u>88</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 25 BHT 113 Gravity 36 API RW @ _____ ° F Chlorides _____ ppm

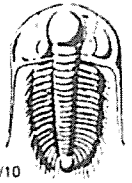
(A) Initial Hydrostatic 2171 Test 1250 T-On Location 21:04
 (B) First Initial Flow 19 Jars 250 T-Started 22:24
 (C) First Final Flow 27 Safety Joint 75 T-Open 00:29
 (D) Initial Shut-In 911 Circ Sub NIC T-Pulled 2:35
 (E) Second Initial Flow 30 Hourly Standby _____ T-Out 4:50 / Pay light 5:50
 (F) Second Final Flow 35 Mileage 126 R/T 195.30 Comments Test was over @ 5:50
 (G) Final Shut-In 694 Sampler _____ API is 34 @ 40' = 36
 (H) Final Hydrostatic 2096 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1770.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1770.30

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

Approved By _____

Our Representative Neil Man

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. 56314

Well Name & No. J-D #1 Test No. DST #2 Date 3-9-14
 Company Palomino Petroleum Inc Elevation 2382 KB 2377 GL
 Address 4924 SE 84th St Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW Rig #10
 Location: Sec. 20 Twp. 17s Rge. 23W Co. Ness State KS

Interval Tested 4328-4405 Zone Tested Cherokee
 Anchor Length 77 Drill Pipe Run 4203 Mud Wt. 9.3
 Top Packer Depth 4324 Drill Collars Run 122 Vis 55
 Bottom Packer Depth 4328 Wt. Pipe Run 0 WL 8.0
 Total Depth 4405 Chlorides 6200 ppm System LCM Trace
 Blow Description IF - Weak Surface Blow Built to 3 1/2"
ISI - No Blow
FF - Weak Surface Blow Built to 3"
FSI - No Blow

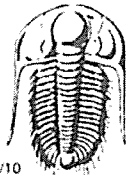
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>GMCO</u>	<u>2</u>	<u>95</u>	<u>3</u>	<u>0</u>
<u>10</u>	<u>GOCM</u>	<u>4</u>	<u>35</u>	<u>61</u>	<u>0</u>
<u>62</u>	<u>GOCM</u>	<u>2</u>	<u>16</u>	<u>82</u>	<u>0</u>
<u>62</u>	<u>WG-OCM</u>	<u>5</u>	<u>10</u>	<u>3</u>	<u>82</u>
<u> </u>	<u>22' of G-IP</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 164 BHT 112 Gravity 36 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2162 Test 1250 T-On Location 12:34
 (B) First Initial Flow 23 Jars 250 T-Started 13:16
 (C) First Final Flow 74 Safety Joint 75 T-Open 15:12
 (D) Initial Shut-In 1225 Circ Sub NIC T-Pulled 17:17
 (E) Second Initial Flow 74 Hourly Standby T-Out 19:37
 (F) Second Final Flow 84 Mileage 126 195.30 Comments
 (G) Final Shut-In 1171 Sampler API is 36 @ 60F = 36
 (H) Final Hydrostatic 2070 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1770.30
 Accessibility MP/DST Disc't
 Sub Total 1770.30

Approved By _____ Our Representative _____

Trilobite Testing Inc. shall not be liable for damaged or 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. 56315

Well Name & No. JD #1 Test No. DST #3 Date 3-10-14
 Company Palomino Petroleum Inc Elevation 2382 KB 2377 GL
 Address 4924 SE 84th St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW Rg #10
 Location: Sec. 20 Twp. 17S Rge. 23W Co. Ness State KS

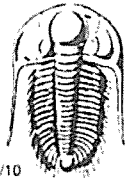
Interval Tested 4328-4419 Zone Tested Cherokee
 Anchor Length 91 Drill Pipe Run 4203 Mud Wt. 9.3
 Top Packer Depth 4324 Drill Collars Run 122 Vis 55
 Bottom Packer Depth 4328 Wt. Pipe Run 0 WL 8.0
 Total Depth 4419 Chlorides 6.200 ppm System LCM Trace
 Blow Description IF- Weak Surface Blow Built to 3 3/4"
ISJ- No Blow
FF- Weak Surface Blow Built to 2"
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>G-MCO</u>	<u>6</u>	<u>80</u>	<u>14</u>	
<u>20</u>	<u>G-OCM</u>	<u>3</u>	<u>22</u>	<u>75</u>	
<u>62</u>	<u>G-OCM</u>	<u>4</u>	<u>7</u>	<u>89</u>	
<u>62</u>	<u>G-OCM</u>	<u>2</u>	<u>5</u>	<u>93</u>	
Rec	Feet of <u>62' of Weak GIP</u>	%gas	%oil	%water	%mud

Rec Total 184 BHT 112 Gravity 35 API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2176 Test 1250 T-On Location 1:54
 (B) First Initial Flow 25 Jars 250 T-Started 2:48
 (C) First Final Flow 76 Safety Joint 75 T-Open 4:48
 (D) Initial Shut-In 1210 Circ Sub NIC T-Pulled 6:58
 (E) Second Initial Flow 80 Hourly Standby _____ T-Out 9:30
 (F) Second Final Flow 92 Mileage 126 R/T 195.30 Comments _____
 (G) Final Shut-In 1178 Sampler _____ API is 34 @ 501 = 35
 (H) Final Hydrostatic 1976 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1770.30
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1770.30

Approved By _____ Our Representative John M...
 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. 56316

Well Name & No. JD #1 Test No. DST# 4 Date 3-10-14
 Company Palomino Petroleum Inc Elevation 2382 KB 2377 GL
 Address 4924 SE 84th St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig W W Rig #10
 Location: Sec. 20 Twp. 17S Rge. 23W Co. Ness State KS

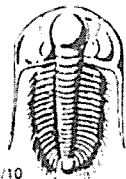
Interval Tested 4416 - 4432 Zone Tested Mississippi
 Anchor Length 16 Drill Pipe Run 4294 Mud Wt. 9.5
 Top Packer Depth 4416 Drill Collars Run 122 Vis 53
 Bottom Packer Depth 4432 Wt. Pipe Run 0 WL 8.4
 Total Depth 4530 Chlorides 7300 ppm System LCM Trace
 Blow Description IF - Weak Surface Blow Built to 1"
ISJ - No Blow
EF - Weak Surface Blow Built to 2 3/4"
FSJ - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>WCM with a skin of oil on top</u>		<u>17</u>	<u>83</u>	
<u>62</u>	<u>MCW with a few oil spots</u>		<u>86</u>	<u>14</u>	
<u>62</u>	<u>MCW</u>		<u>78</u>	<u>22</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 154 BHT 122 Gravity _____ API RW 515 @ 46 °F Chlorides 19500 ppm
 (A) Initial Hydrostatic 2282 Test 1250 T-On Location 21:54
 (B) First Initial Flow 19 Jars 250 T-Started 22:44
 (C) First Final Flow 68 Safety Joint 75 T-Open 00:44
 (D) Initial Shut-In 1287 Circ Sub _____ T-Pulled _____
 (E) Second Initial Flow 70 Hourly Standby _____ T-Out 5:03
 (F) Second Final Flow 89 Mileage 126 R/T 195.30 Comments _____
 (G) Final Shut-In 1261 Sampler _____
 (H) Final Hydrostatic 2083 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2570.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2570.30

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56317

Well Name & No. JD #1 Test No. DST #5 Date 3-11-14
 Company Palomina Petroleum Inc Elevation 2382 KB 2377 GL
 Address 4924 SE 84th St. Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW R.s #10
 Location: Sec. 20 Twp. 17s Rge. 23w Co. Ness State KS

Interval Tested 4251-4328 Zone Tested Ft. Scott
 Anchor Length 77 Drill Pipe Run 410.7 Mud Wt. 9.5
 Top Packer Depth 4251 Drill Collars Run 122 Vis 53
 Bottom Packer Depth 4328 Wt. Pipe Run 0 WL 8.4
 Total Depth 4530 Chlorides 7300 ppm System LCM Trace
 Blow Description IF- Weak Surface Blow Built to 1/2"
ISJ- No Blow
FF- Weak Surface Blow Built to 1/2"
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OTM with a skin of 0.1</u>	<u>3%</u>			<u>97%</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 10 BHT 115 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2233 Test 1250 T-On Location 21.54 wh 3-10
 (B) First Initial Flow 20 Jars 250 T-Started 6:34
 (C) First Final Flow 47 Safety Joint 75 T-Open 8:52
 (D) Initial Shut-In 206 Circ Sub N/C T-Pulled 11:00
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 13:53
 (F) Second Final Flow 40 Mileage Never left location Comments _____
 (G) Final Shut-In 121 Sampler _____
 (H) Final Hydrostatic 2051 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 2175
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 2175

Approved By _____

Our Representative Mark M...

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