



RECEIVED

OCT 20 2014

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 146274

Invoice Date: Oct 7, 2014

Page: 1

Voice: (817) 546-7282

Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Palo	63996	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Oct 7, 2014	11/6/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dyer Tammen #1		
150.00	CEMENT MATERIALS	Class A Common	17.90	2,685.00
282.00	CEMENT MATERIALS	Gel	0.50	141.00
1,467.00	CEMENT MATERIALS	Chloride	1.10	1,613.70
400.00	CEMENT MATERIALS	65/35/6% Gel Blend	19.88	7,952.00
615.51	CEMENT SERVICE	Cubic Feet Charge	2.48	1,526.46
448.29	CEMENT SERVICE	Ton Mileage Charge	2.75	1,232.80
1.00	CEMENT SERVICE	Surface	2,213.75	2,213.75
17.00	CEMENT SERVICE	Pump Truck Mileage	7.70	130.90
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
17.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	74.80
1.00	EQUIPMENT SALES	8-5/8 Rubber Plug	131.00	131.00
1.00	EQUIPMENT SALES	8-5/8 AFU Insert	447.00	447.00
1.00	EQUIPMENT SALES	8-5/8 Saw Tooth Shoe	496.00	496.00
1.00	CEMENT SUPERVISOR	Charles Kinyon		
1.00	CEMENT SUPERVISOR	Kevin Eddy		
1.00	OPERATOR ASSISTANT	Marlyn Spangenberg		
1.00	EQUIPMENT OPERATOR	Daniel Casper		

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

\$ 3,783.88

ONLY IF PAID ON OR BEFORE
Nov 6, 2014

Subtotal	18,919.41
Sales Tax	828.14
Total Invoice Amount	19,747.55
Payment/Credit Applied	
TOTAL	19,747.55

ALLIED OIL & GAS SERVICES, LLC

063996

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend KS

DATE <u>10-07-14</u> <u>Dyer</u>	SEC. <u>12</u>	TWP. <u>19</u>	RANGE <u>16</u>	CALLED OUT	ON LOCATION <u>1:30 PM</u>	JOB START <u>8:00 PM</u>	JOB FINISH <u>9:00 PM</u>
LEASE <u>TAMMCO</u>	WELL # <u>1</u>	LOCATION <u>Albert 2 1/2 South 1 1/2 West</u>			COUNTY <u>Kush</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>into</u>							

CONTRACTOR Pickrell Drilling
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 1092.44
CASING SIZE 8 5/8 DEPTH 1035.00
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 42.04
PERFS.
DISPLACEMENT 63.25 Fresh H2O

OWNER
CEMENT
AMOUNT ORDERED 400 Sx 65/35 + 1% + 3% CC
150 Sx 5 CLASS A + 3% CC + 2% Gel
COMMON 150 @ 17.90 2,685.00
POZMIX @
GEL 282 @ .50 141.00
CHLORIDE 1.1467 @ 1.10 1,261.37
ASC @
400 Sx 65/35 + 6% + 3% @ 19.88 7,952.00
+ 3% Material Total 12,391.70
Disc 20% 2,478.34
HANDLING 615.51 @ 2.48 1,526.46
MILEAGE 26.87 x 17.4 2.75 1,232.80

EQUIPMENT

Charles Kinn Kevin Brunyard
PUMP TRUCK CEMENTER Kevin Eddy
517/597 HELPER WAYNE DAVIS / MAYLON SPANBERG
BULK TRUCK
870/844 DRIVER DAN CASPER
BULK TRUCK
603 DRIVER Tony Alejandro

REMARKS:

on location, held safety meeting, Rig up -
Rig Run 8 5/8 @ 1035.00ft casing, Hook To Head
and broke circ w/ Rig mud. Drop Ball, Pump
5 Ahead - mix 400 Sx 65/35 + 1% + 3% CC - mix
150 Sx 5 CLASS A 3% CC 2% Gel. Shut Down Release
Plug, Displace 63.25 Bbk Fresh H2O - Land
Plug Cement Did Circ - Rig Down

DEPTH OF JOB
PUMP TRUCK CHARGE 2213.75
EXTRA FOOTAGE @
MILEAGE Hum 17 @ 7.70 130.90
MANIFOLD @ 275.00 275.00
Hum 17 @ 4.40 74.80
@

CHARGE TO: Palomino Petroleum
STREET
CITY STATE ZIP

TOTAL 5,453.71
Disc 20% 1,090.74

PLUG & FLOAT EQUIPMENT

1 Rubber Plug @ 131.00 131.00
1 Aftu insert @ 447.00 447.00
1 SAW Tooth Shoe @ 496.00 496.00
@
Head + manifold @

TOTAL 1,074.00
Disc 20% 214.80

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 18,919.41
DISCOUNT 20% 3,783.88 (20/20/20) IF PAID IN 30 DAYS
15,135.53

PRINTED NAME Mike Kern
SIGNATURE Mike Kern

RECEIVED

NOV 10 2014



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 146754

Invoice Date: Oct 29, 2014

Page: 1

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Palo	63943	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-09	Great Bend	Oct 29, 2014	11/28/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dyer Tammes #1		
1.00	CEMENT SERVICE	Gas Kill	2,600.47	2,600.47
17.00	CEMENT SERVICE	Pump Truck Mileage	7.70	130.90
17.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	74.80
1.00	CEMENT SUPERVISOR	Charles Kinyon		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

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

\$ 280.62

ONLY IF PAID ON OR BEFORE
Nov 28, 2014

Subtotal	2,806.17
Sales Tax	172.58
Total Invoice Amount	2,978.75
Payment/Credit Applied	
TOTAL	2,978.75

ALLIED OIL & GAS SERVICES, LLC 063943

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
great Bend

DATE 10-29-14	SEC. 12	TWP. 19	RANGE 16	CALLED OUT	ON LOCATION 10:30 am	JOB START 12:30 pm	JOB FINISH 1:00 pm	
LEASE <i>Dyer Lammers &</i>			WELL # <u>1</u>		LOCATION <u>Huger 21 on SE 40 Rd to DE</u>		COUNTY <u>Rock</u>	STATE <u>Ka</u>
<input type="radio"/> OLD OR NEW (Circle one)			<u>1w 5 chite</u>					

CONTRACTOR cupcon well service
 TYPE OF JOB gas well
 HOLE SIZE _____ T.D. _____
 CASING SIZE _____ DEPTH _____
 TUBING SIZE 2 3/4 DEPTH 3573
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Suml
 CEMENT AMOUNT ORDERED _____

 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ Disc 0%
 _____ @ Service
 HANDLING _____ @ _____
 MILEAGE _____

EQUIPMENT

PUMP TRUCK CEMENTER Charles King
 # 398 HELPER Kevin weighhouse
 BULK TRUCK
 # _____ DRIVER
 BULK TRUCK
 # _____ DRIVER

REMARKS:
Boop to Tubing open valve pump 14.5
BB1 H2O started to gain pressure
shut down + Release well was dead
Release pump & come out of hole w/
tubing

DEPTH OF JOB 3573
 PUMP TRUCK CHARGE 2600. 41
 EXTRA FOOTAGE _____ @ _____
 MILEAGE Hum 17 @ 7.70 130.90
 MANIFOLD _____ @ _____
Hum 17 @ 4.40 74.80
 _____ @ _____

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

TOTAL 2,806.17
 Disc 10% 280.62

PLUG & FLOAT EQUIPMENT

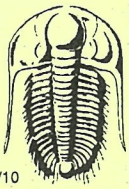
_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

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.

TOTAL 0
 Disc 0%

PRINTED NAME Glenn Siekkel
 SIGNATURE Glenn Siekkel

SALES TAX (If Any) _____
 TOTAL CHARGES 2806.17
10% 280.62
 DISCOUNT _____ IF PAID IN 30 DAYS
0/10/0
2,525.55



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60602

4/10

Well Name & No. Dyer-Tammen #1 Test No. 4 Date 10-13-14
 Company Palomino Petroleum Inc. Elevation 2005 KB 1998 GL
 Address 4924 SE 84th St. Newton KS 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig Pickrell #10
 Location: Sec. 12 Twp. 19S Rge. 16W Co. Rush State KS

Interval Tested 3609-3621 Zone Tested Reagan Sand
 Anchor Length 12 Drill Pipe Run 3595 Mud Wt. 9.25
 Top Packer Depth 3604 Drill Collars Run Ø Vis 62
 Bottom Packer Depth 3609 Wt. Pipe Run Ø WL 10.4
 Total Depth 3621 Chlorides 5800 ppm System LCM 0

Blow Description IFP- BOB in 10 sec.
ISIP- Surface Blow Building to 4 1/2 in.
FFP- BOB in 1 min.
FSIP- BOB in 3 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>248</u>	<u>mcw</u>		<u>95</u>	<u>5</u>	
<u>124</u>	<u>QWmco</u>	<u>30</u>	<u>40</u>	<u>10</u>	<u>20</u>
<u>45</u>	<u>Qmco</u>	<u>20</u>	<u>40</u>		<u>40</u>
	<u>QTS 7 min.</u>				

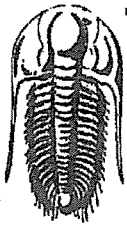
Rec Total 417 BHT 121 Gravity _____ API RW .350 @ 50 ° F Chlorides 27000 ppm

(A) Initial Hydrostatic 1778 Test _____ T-On Location 18:30
 (B) First Initial Flow 78 Jars _____ T-Started 18:34
 (C) First Final Flow 95 Safety Joint _____ T-Open 20:57
 (D) Initial Shut-In 1080 Circ Sub _____ T-Pulled 23:27
 (E) Second Initial Flow 115 Hourly Standby _____ T-Out 01:47
 (F) Second Final Flow 197 Mileage _____ Comments _____
 (G) Final Shut-In 1120 Sampler _____
 (H) Final Hydrostatic 1762 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total _____
 Final Flow 30 Day Standby _____ Total _____
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc

12 19s 16w Rush

4924 SE 84th St
New ton KS 67114-8827

Dyer-Tammen # 1

Job Ticket: 60602

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2014.10.13 @ 18:34:00

GENERAL INFORMATION:

Formation: Reagan Sand

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:57:45

Time Test Ended: 01:47:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3609.00 ft (KB) To 3621.00 ft (KB) (TVD)

Reference Elevations: 2005.00 ft (KB)

Total Depth: 3621.00 ft (KB) (TVD)

1998.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press@RunDepth: 197.77 psig @ 3615.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.13

End Date:

2014.10.14

Last Calib.: 2014.10.14

Start Time: 18:34:00

End Time:

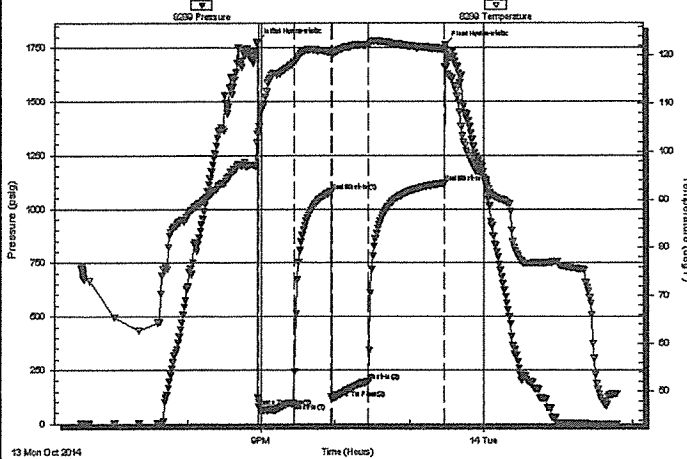
01:47:00

Time On Btm: 2014.10.13 @ 20:56:45

Time Off Btm: 2014.10.13 @ 23:28:30

TEST COMMENT: 30-IFP- BOB in 10sec.
30-ISIP- Surface Blow Building to 4 1/2in.
30-FFP- BOB in 1min.
60-FSIP- BOB in 3min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1778.51	103.70	Initial Hydro-static
1	78.70	104.16	Open To Flow (1)
30	95.26	118.60	Shut-In(1)
60	1080.97	120.64	End Shut-In(1)
61	115.92	120.26	Open To Flow (2)
90	197.77	122.17	Shut-In(2)
151	1120.03	121.33	End Shut-In(2)
152	1762.00	121.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	MCW 5%g 95%w	3.48
124.00	GMCO 30%g 10%w 20%m 40%o	1.74
45.00	GMCO 20%g 40%m 40%o	0.63

Gas Rates

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

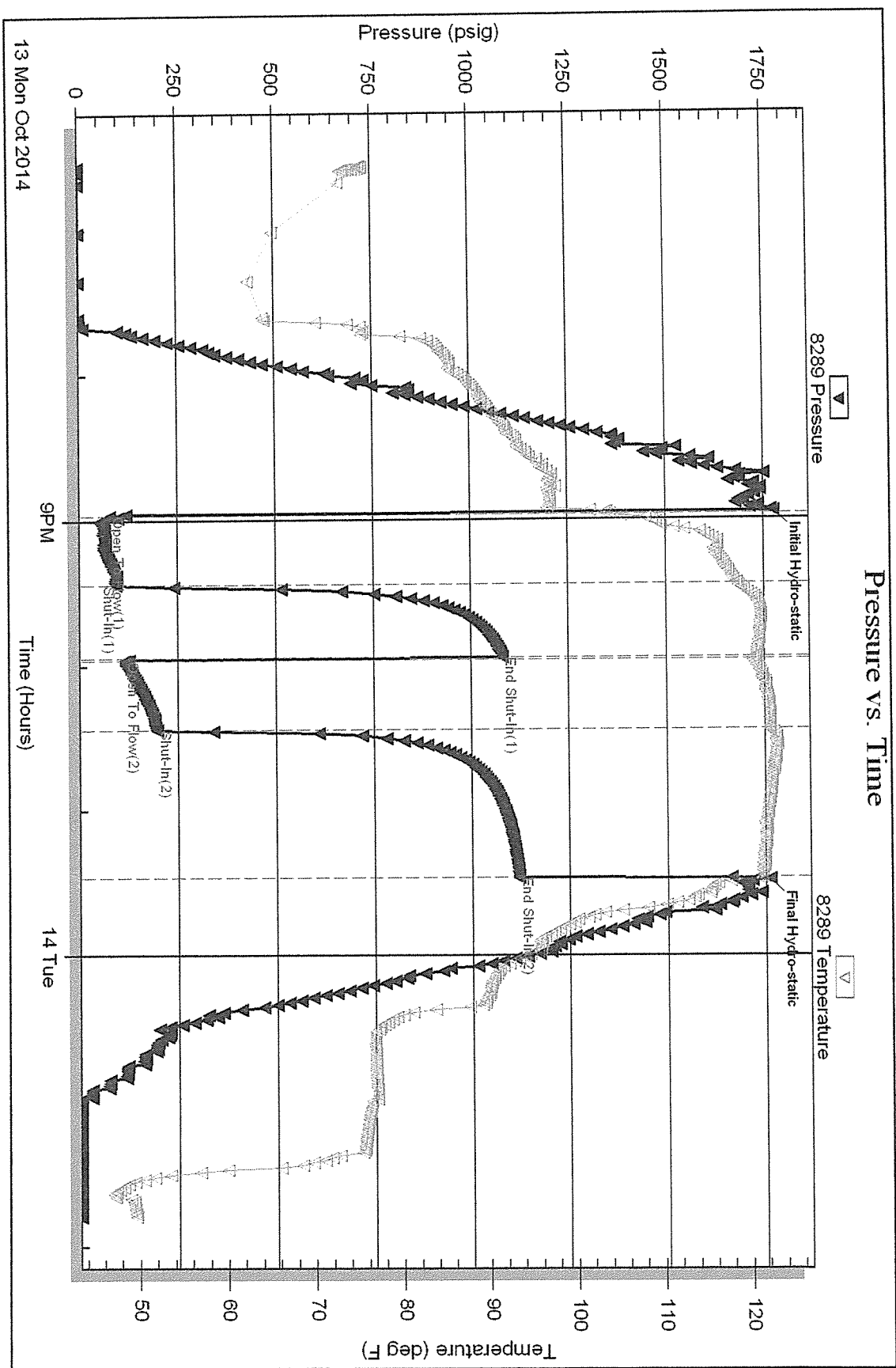
* Recovery from multiple tests

Serial #: 8289

Outside Palomiro Petroleum Inc

Dyer-Tammen # 1

DST Test Number: 4



Mud-Co / Service Mud. Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **9**

Daily Drilling Mud Report

Date: **10/14/14** Depth: **3681**

Operator Palomino Petroleum		Contractor Pickrell Drilling		Rig No. 10	
Address Rig		Address Rig		Spud Date 10/02/14	
Report for Mr. Nick Gerstner		Report for Mr. Mike Kern		Section 12 Twp 19S Range 16W	
Well Name & No. Dyer Tammen #1		County Rush		State Kansas	

Operation drilling		Casing 8 5/8 in. at 1020		Mud Volume (BBL) Hole 313 Pits 400		Circulation Data				
Present Activity		Intermediate in. at		Total Circulating Vol. 713		Liner Size 6	Stroke 14	Opposite Drill Pipe 203	Pump Pressure 700	
Bit Size (in.) 7 7/8	No 2	Production / Liner in. at		Volume in Storage 0		Est. Hole/DS capacities 8.5	2.4747	Opposite Drill Collars 369	Pump Make Emasco	
Drill pipe sz 4 1/2	Type XH	Drilling mud type chemical		BBL/ Strk 0.137		Strk / Min. 60	Bottoms Up (Min.) 32	Pump Model D-375		
Drill Collar size 6 1/4	503			BBL/Min. 8.2		GAL/Min. 345	System Total (Min) 87	Critical GPM DC/DP 260	337	

Sample from Flowline _x_ or Pit _		Daily Mud Cost 590.65		Cumulative Mud Cost 11,892.35	
Flowline Temperature		Mud Properties			

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.) 9.0-9.4	Viscosity 46-50	Filtrate 8-10.0cc	LCM as needed

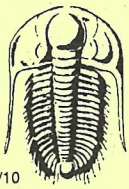
Time Sample Taken	8:25 AM
Depth (Ft.)	3,681
Weight (lb/gal.)	9.0
Mud Gradient (psi/ft.)	0.468
Funnel Viscosity (Sec/qt. API)	68
Plastic Viscosity cp	16
Yield Point (lb/100 sq.ft.)	13
Gel Strength 10 sec/10 min.	10/59
pH	10.0
Filtrate API (ml/30 min.)	10.8
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	-
Alkalinity, Filtrate (Pf/Mf)	.44/-
Chloride Content, ppm	6,500
Calcium, ppm	20
Sand Content (% by Vol)	Tr
Solids Content (% by Vol.)	4.7
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	95.3
LCM, lbs/bbl.	Tr
Reynold's #DP	2,067
Reynold's # DC	2,946
ECD lb/gal	9.54

Suggest...
Run small stream of water at flowline while drilling to control mud wt. 9.0-9.4 #/gal.
Maintain 46-50 sec/qt. viscosity with the following premix
100 bbls fresh water
1 Soda Ash
2 Caustic *Add premix after DST #2, then as needed for vis or to control mud wt.
1 1/2 sx Lignite
1/2 sx Pac
Gel f/ 50 vis Jet and add over 1 1/2 hours
LCM as needed with c/s hulls
Tourly while drilling: 1 sx Caustic
1/2 sx Lignite
*Add tourly at chemical bbl, add to system over 2 hours every tour that no premix is added

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	115		95	20	368.00
Lime	6		6		
Soda Ash	14		13	1	25.85
Caustic Soda	5		3	2	132.30
Lignite	5		4	1	28.60
C/S Hulls	58		56	2	35.90
Drill Pak	2		2		
Desco	3		3		
Poly Plus	2		2		
Florigel					
Xoide					
Sapp	2		2		
Barite					
MilGuard					

Trip slowly and don't shake pipe, break circulation on all TIH w/ bit
Circulate hole clean prior to all trips and keep hole full
Divert all DST recovery to reserve pit
If viscosity begins to climb, do not run an excessive amount of water to thin back, jet volume and clean a pit and add above premix with Gel f/ 45-50 sec/qt. viscosity
Please keep all material covered as needed... Thanks!

Mud-Co / Service Mud Representative Jason Whiting	Home Address Great Bend, Kansas	Telephone Number 620-792-4544
Cell: 620-282-0556	Warehouse Location Hays, Kansas	Telephone Number 785-621-4232



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60601

4/10

Well Name & No. Dyer - Tammen #1 Test No. 3 Date 10-13-14
 Company PALOMINO Petroleum, Inc. Elevation 2005 KB 1998 GL
 Address 4924 SE 84th St. Newton KS. 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig Pickrell #10
 Location: Sec. 12 Twp. 19S Rge. 16W Co. Rush State KS

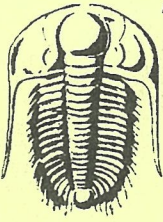
Interval Tested 3531-3607 Zone Tested Conglomerate Sand.
 Anchor Length 76 Drill Pipe Run _____ Mud Wt. 9.25
 Top Packer Depth 3526 Drill Collars Run 0 Vis 62
 Bottom Packer Depth 3531 Wt. Pipe Run 0 WL 10.4
 Total Depth 3607 Chlorides 5800 ppm System LCM 0
 Blow Description FSIP - Bled off in 17min Weak Surface Blow
IFP BOB in 40sec
ISIP - Bled off in 14min. Weak Surface Blow
FFP - BOB in 3sec.

Rec	Feet of	%gas	%oil	%water	%mud
<u>112</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 112 BHT 111 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1764</u>	<input checked="" type="checkbox"/> Test _____	T-On Location <u>03:35</u>
(B) First Initial Flow <u>474</u>	<input checked="" type="checkbox"/> Jars _____	T-Started <u>04:55</u>
(C) First Final Flow <u>433</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>07:10</u>
(D) Initial Shut-In <u>1082</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>10:10</u>
(E) Second Initial Flow <u>466</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:16</u>
(F) Second Final Flow <u>414</u>	<input checked="" type="checkbox"/> Mileage _____	Comments _____
(G) Final Shut-In <u>1049</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1679</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total _____
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____	

Approved By _____ Our Representative [Signature]
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

Palomira Petroleum

Dyer-Tammen #1

3

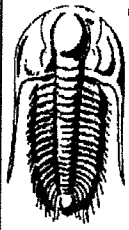
OPERATOR

WELL NAME AND NO.

DST NO.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
10	70	1	2426.400				
	<i>2nd Open.</i>						
10	80	1	2713.888				
10	75	1	2570.144				
10	73	1	2512.646				
10	73	1	2512.646				
10	46	1	<i>Gauge's Plugged</i>				

Remarks:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Palomino Petroleum Inc

12 19s 16w Rush

4924 SE 84th St
New ton KS 67114-8827

Dyer-Tammen # 1

Job Ticket: 60601

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2014.10.13 @ 04:55:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	1.00	70.00	2426.40
2	10	1.00	80.00	2713.89
3	10	1.00	75.00	2570.14
4	10	1.00	73.00	2512.65
5	10	1.00	73.00	2512.65



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton KS 67114-8827
 ATTN: Andrew Stenzel

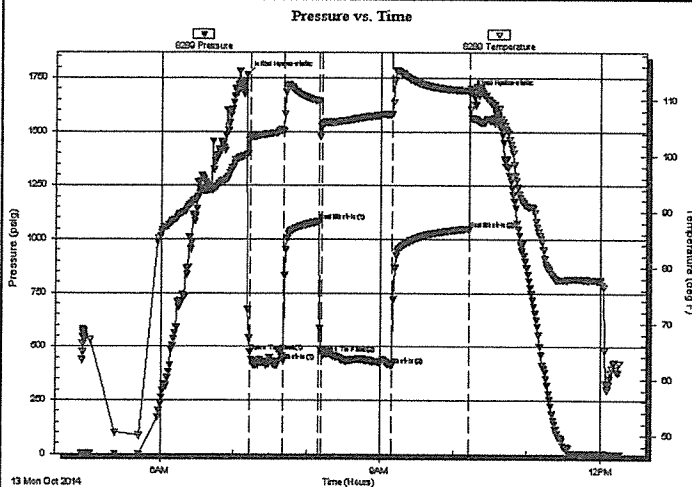
12 19s 16w Rush
Dyer-Tammen # 1
 Job Ticket: 60601 **DST#: 3**
 Test Start: 2014.10.13 @ 04:55:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:13:00
 Time Test Ended: 12:16:00
 Interval: **3531.00 ft (KB) To 3607.00 ft (KB) (TVD)**
 Total Depth: **3607.00 ft (KB) (TVD)**
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 2005.00 ft (KB)
 1998.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8289 Outside
 Press@RunDepth: 414.03 psig @ 3541.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.13 End Date: 2014.10.13 Last Calib.: 2014.10.13
 Start Time: 04:55:00 End Time: 12:16:00 Time On Btm: 2014.10.13 @ 07:10:15
 Time Off Btm: 2014.10.13 @ 10:12:30

TEST COMMENT: 30-IFP- BOB in 40sec.
 30-ISIP- Bled off in 14min. Weak Surface Blow
 60-FFP- BOB in 3sec.
 60-FSIP- Bled off in 17min. Weak Surface Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1764.88	100.15	Initial Hydro-static
3	474.69	103.34	Open To Flow (1)
31	433.21	104.48	Shut-In(1)
59	1082.46	109.82	End Shut-In(1)
62	466.74	105.42	Open To Flow (2)
120	414.03	107.50	Shut-In(2)
182	1049.98	111.72	End Shut-In(2)
183	1679.28	111.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
112.00	Mud 100%	1.57

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	70.00	2426.40
Last Gas Rate	1.00	73.00	2512.65
Max. Gas Rate	1.00	80.00	2713.89

* Recovery from multiple tests

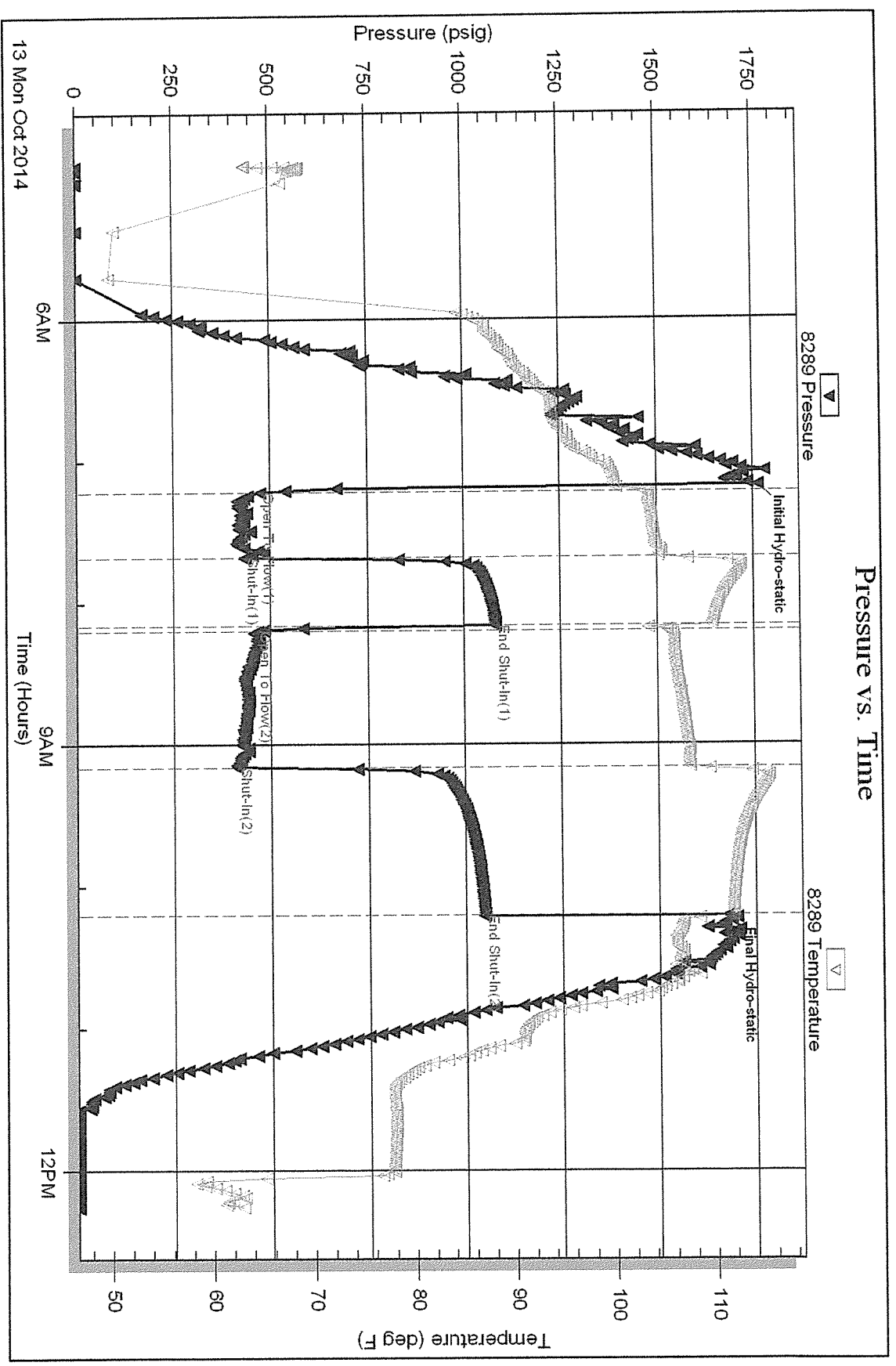
Serial #: 8289

Outside Palomino Petroleum Inc

Dyer-Tammen # 1

DST Test Number: 3

Pressure vs. Time



Tribolite Testing, Inc

Ref. No: 60601

Printed: 2014.10.13 @ 12:23:59

Mud-Co / Service Mud. Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **8**

Daily Drilling Mud Report

Date: **10/13/14** Depth: **3607**

Operator Palomino Petroleum	Contractor Pickrell Drilling	Rig No. 10
Address Rig	Address Rig	Spud Date 10/02/14
Report for Mr. Nick Gerstner	Report for Mr. Mike Kern	Section 12 Twp 19S Range 16W
Well Name & No. Dyer Tammen #1	County Rush	State Kansas

Operation Present Activity DST 3	Casing 8 5/8 in. at 1020	Mud Volume (BBL) Hole 307 Pits 400	Circulation Data	
Bit Size (in.) 7 7/8	No 2	Total Circulating Vol. 707	Liner Size 6	Stroke 14
Drill pipe sz 4 1/2	Type XH	Volume in Storage 0	Opposite Drill Pipe 203	Pump Pressure -
Drill Collar size 6 1/4	Drilling mud type chemical	Est. Hole/DS capacities 8.5 2.4747	Opposite Drill Collars 369	Pump Make Emsco
		BB/ Strk 0.137	Strk / Min. 60	Bottoms Up (Min.) 32
		BBL./Min. 8.2	GAL/Min. 345	System Total (Min) 86
				Critical GPM DC/DP 261 334

Sample from Flowline ___ or Pit _x_	Daily Mud Cost 880.05	Cumulative Mud Cost 11,301.70
Flowline Temperature _____	MUD PROPERTIES SPECIFICATIONS	
Mud Properties	Mud Wt. (lbs/gal.) 9.0-9.4	Viscosity 46-50
	Filtrate 8-10.0cc	LCM as needed

Time Sample Taken	8:10 AM
Depth (Ft.)	3,607
Weight (lb/gal.)	9.25
Mud Gradient (psi/ft.)	0.481
Funnel Viscosity (Sec/qt. API)	62
Plastic Viscosity cp	17
Yield Point (lb/100 sq.ft.)	13
Gel Strength 10 sec/10 min.	11/65
pH	10.5
Filtrate API (ml/30 min.)	10.4
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	-
Alkalinity, Filtrate (Pf/Mf)	.55/-
Chloride Content, ppm	5,800
Calcium, ppm	20
Sand Content (% by Vol)	Tr
Solids Content (% by Vol.)	6.8
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	93.2
LCM, lbs/bbl.	0
Reynold's #DP	2,090
Reynold's # DC	2,924
ECD lb/gal	9.81

Suggest...

Run small stream of water at flowline while drilling to control mud wt. 9.0-9.4 #/gal.

Maintain 46-50 sec/qt. viscosity with the following premix
100 bbls fresh water

1 Soda Ash
2 Caustic
1 1/2 sx Lignite
1/2 sx Pac

*Add premix after DST #2, then as needed for vis or to control mud wt.
Gel f/ 50 vis Jet and add over 1 1/2 hours
Gel only as needed, no need for extremely high viscosity

LCM as needed with c/s hulls

Tourly while drilling: 1 sx Caustic
1/2 sx Lignite

*Add tourly at chemical bbl, add to system over 2 hours every tour that no premix is added

Trip slowly and don't shake pipe, break circulation on all TIH w/ bit

Circulate hole clean prior to all trips and keep hole full

Divert all DST recovery to reserve pit

If viscosity begins to climb, do not run an excessive amount of water to thin back, jet volume and clean a pit and add above premix with Gel f/ 45-50 sec/qt. viscosity

Please keep all material covered as needed... Thanks!

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	145		115	30	552.00
Lime	6		6		
Soda Ash	15		14	1	25.85
Caustic Soda	8		5	3	198.45
Lignite	8		5	3	85.80
C/S Hulls	59		58	1	17.95
Drill Pak	2		2		
Desco	3		3		
Poly Plus	2		2		
Florigel					
Xcide					
Sapp	2		2		
Barite					
MilGuard					

Mud-Co / Service Mud Representative
Jason Whiting

Home Address
Great Bend, Kansas

Telephone Number
620-792-4544

Cell: **620-282-0556**

Warehouse Location
Hays, Kansas

Telephone Number
785-621-4232



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56150

4/10

Well Name & No. Duc-Tammen #1 Test No. 2 Date 10-12-14
 Company Palomino Petroleum, Inc. Elevation 2005 KB 1998 GL
 Address 4924 SE 84th St, Newton KS 67114-8827
 Co. Rep / Geo. Andrew Stepezel Rig Pickrell #10
 Location: Sec. 12 Twp. 19^s Rge. 16^w Co. Rush State KS

Interval Tested 3448-3501 Zone Tested LKC "I+J"
 Anchor Length 53 Drill Pipe Run 3440 Mud Wt. 9.4
 Top Packer Depth 3443 Drill Collars Run 0 Vis 72
 Bottom Packer Depth 3448 Wt. Pipe Run 0 WL 10.8
 Total Depth 3501 Chlorides 7200 ppm System LCM 0

Blow Description IFF - BOB in 6min.
ISIP - Surface Blow in 3min.
FFP - BOB in 10min.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>110</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
<u>560</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	

Rec Total 670 BHT 116 Gravity _____ API RW .195 @ 63 °F Chlorides 42000 ppm

(A) Initial Hydrostatic 1724 Test _____ T-On Location 06:35
 (B) First Initial Flow 32 Jars _____ T-Started 07:02
 (C) First Final Flow 179 Safety Joint _____ T-Open 08:57
 (D) Initial Shut-In 1072 Circ Sub _____ T-Pulled 10:57
 (E) Second Initial Flow 184 Hourly Standby _____ T-Out 13:12
 (F) Second Final Flow 307 Mileage _____ Comments _____
 (G) Final Shut-In 1046 Sampler _____
 (H) Final Hydrostatic 1644 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total _____
 Day Standby _____ Total _____
 Accessibility _____ MP/DST Disc't _____
 Sub Total _____

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

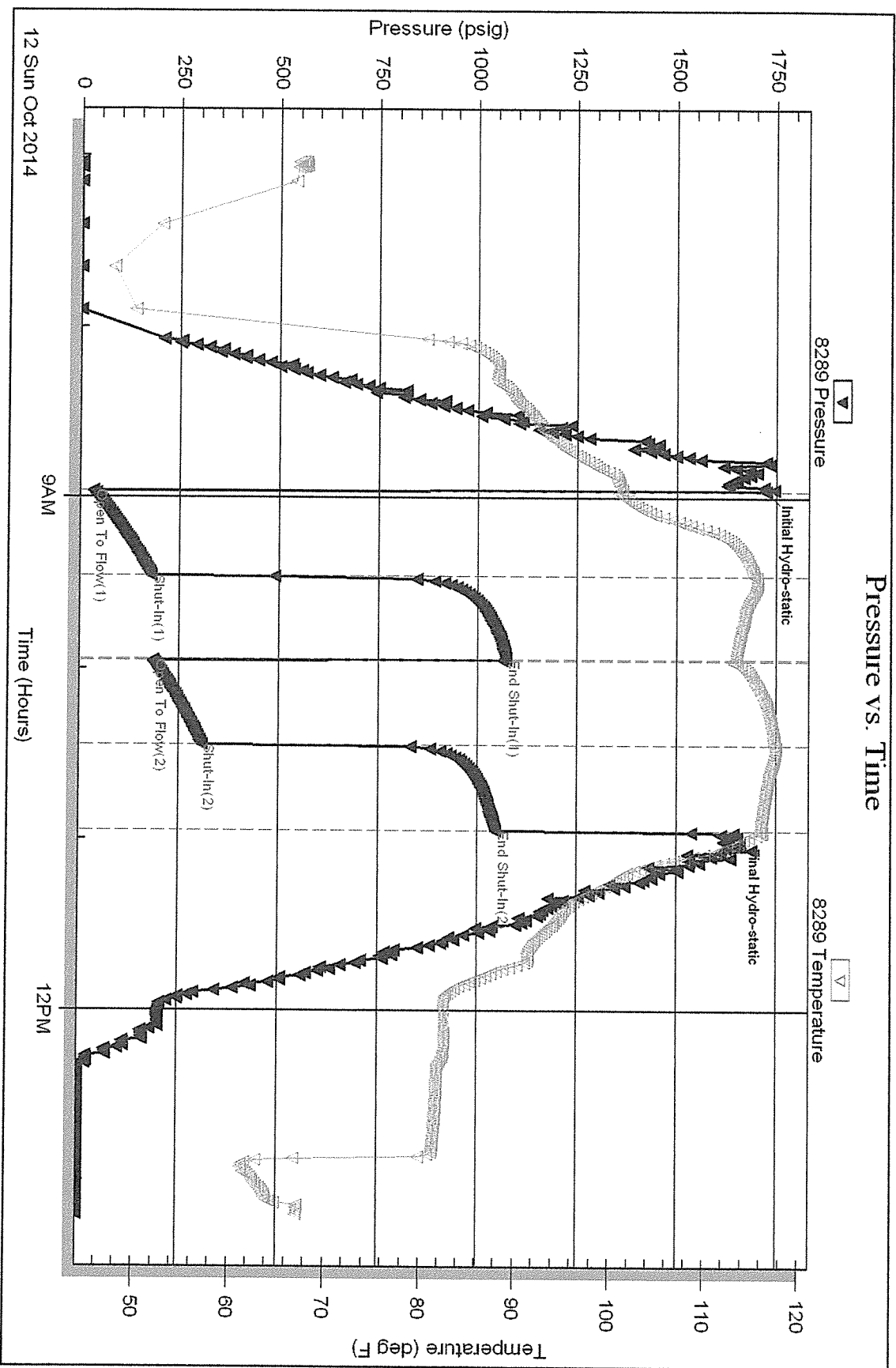
Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion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

Serial #: 8289

Outside Palomino Petroleum Inc

Dyer-Tanner # 1

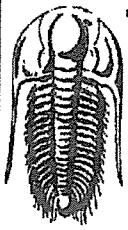
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56150

Printed: 2014.10.12 @ 13:20:50



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton KS 67114-8827
 ATTN: Andrew Stenzel

12 19s 16w Rush
Dyer-Tammen # 1
 Job Ticket: 56150 **DST#: 2**
 Test Start: 2014.10.12 @ 07:02:00

GENERAL INFORMATION:

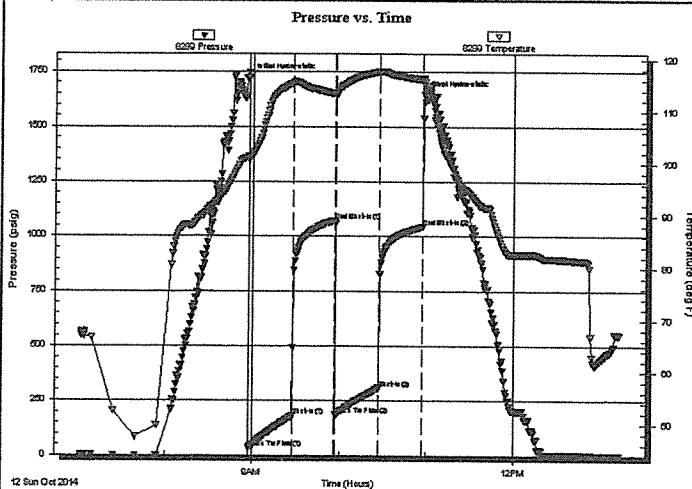
Formation: **LKC "I & J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:57:30
 Time Test Ended: 13:12:00
 Interval: **3448.00 ft (KB) To 3501.00 ft (KB) (TVD)**
 Total Depth: **3501.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 2005.00 ft (KB)
 1998.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8289

Outside

Press@RunDepth: 307.56 psig @ 3450.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.12 End Date: 2014.10.12 Last Calib.: 2014.10.12
 Start Time: 07:02:00 End Time: 13:12:00 Time On Btm: 2014.10.12 @ 08:57:15
 Time Off Btm: 2014.10.12 @ 10:57:45

TEST COMMENT: 30-IFP- BOB in 6min.
 30-ISIP- Surface Blow in 3min.
 30-FFP- BOB in 10min.
 30-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1724.85	101.45	Initial Hydro-static
1	32.68	100.79	Open To Flow (1)
30	179.77	115.42	Shut-In(1)
60	1072.11	113.43	End Shut-In(1)
60	184.60	113.09	Open To Flow (2)
90	307.56	117.55	Shut-In(2)
120	1046.00	116.09	End Shut-In(2)
121	1644.32	116.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	WCM 30%w 70%m	1.54
560.00	MCW 5%m 95%w	7.86

* Recovery from multiple tests

Gas Rates

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

Mud-Co / Service Mud, Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **5**

Daily Drilling Mud Report

Date: **10/10/14** Depth: **2925**

Operator Palomino Petroleum		Contractor Pickrell Drilling		Rig No. 10	
Address Rig		Address Rig		Spud Date 10/02/14	
Report for Mr. Nick Gerstner		Report for Mr. Mike Kern		Section 12	
Well Name & No. Dyer Tammen #1		County Rush		Twp 19S	
		State Kansas		Range 16W	

Operation drilling		Casing 8 5/8 in. at 1020		Mud Volume (BBL) Hole 252 Pits 400		Circulation Data	
Present Activity		Intermediate in. at		Total Circulating Vol. 652		Opposite Drill Pipe 203	
Bit Size (in.) 7 7/8		Production / Liner in. at		Volume in Storage 0		Opposite Drill Collars 369	
No 2		Drill pipe sz 4 1/2		BB/ Strk 0.137		Pump Pressure 700	
Type XH		Drill Collar size 6 1/4		Strk / Min. 60		Pump Make Emsco	
Drilling mud type chemical		BBL/Min. 8.2		GAL/Min. 345		Bottoms Up (Min.) 26	
		System Total (Min.) 79		Critical GPM DC/DP 169		Pump Model D-375	

Sample from Flowline _x_ or Pit _		Daily Mud Cost 751.85		Cumulative Mud Cost 6,008.15	
Flowline Temperature		Mud Properties		MUD PROPERTIES SPECIFICATIONS	

Time Sample Taken 8:20 AM		Mud Wt. (lbs/gal.) 9.0-9.4		Viscosity 46-50		Filtrate 8-10.0cc		LCM as needed	
------------------------------	--	--------------------------------------	--	---------------------------	--	-----------------------------	--	-------------------------	--

Weight (lb/gal.)	8.5
Mud Gradient (psi/ft.)	0.442
Funnel Viscosity (Sec/qt. API)	37
Plastic Viscosity cp	8
Yield Point (lb/100 sq.ft.)	7
Gel Strength 10 sec/10 min.	5/20
pH	10.5
Filtrate API (ml/30 min.)	12.0
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	-
Alkalinity, Filtrate (Pf/Mf)	1.07/-
Chloride Content, ppm	3,300
Calcium, ppm	20
Sand Content (% by Vol)	Tr
Solids Content (% by Vol.)	2.0
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	98.0
LCM, lbs/bbl.	0
Reynold's #DP	3,693
Reynold's # DC	5,385
ECD lb/gal	9.07

Suggest...

Run small stream of water at flowline while drilling to control mud wt. 9.0-9.4 #/gal.

Mix the following premix, add to system over 1 1/2 hours today on daylites for vis and volume

- 120 bbls fresh water
- 2 Soda Ash
- 1 Caustic
- 1 Lignite
- 1 sx Pac
- Gel as needed

After above premix is added, maintain 46-50 sec/qt. viscosity with the following premix

- 50 bbls fresh water/ 50 bbls pit mud
- 2 Soda Ash
- 2 Caustic
- 1 Lignite
- 1/2 sx Pac
- Gel as needed

*Add premix as needed for vis, add as needed over 1 1/2 hours

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	270		260	10	184.00
Lime	6		6		
Soda Ash	25		23	2	51.70
Caustic Soda	19		17	2	132.30
Lignite	15		15		
C/S Hulls	79		76	3	53.85
Drill Pak	6		5	1	330.00
Desco	3		3		
Poly Plus	2		2		
Florigel					
Xcide					
Sapp	2		2		
Barite					
MilGuard					

LCM as needed with c/s hulls

Tourly while drilling: 1 sx Caustic
1/2 sx Lignite

*Add tourly at chemical bbl, add to system over 2 hours every tour that no premix is added

Suggest short trip prior to DST #1, trip slowly and don't shake pipe, break circulation on all TIH w/ bit

Circulate hole clean prior to all trips and keep hole full

Please keep all material covered as needed... Thanks!

Mud-Co / Service Mud Representative
Jason Whiting

Home Address
Great Bend, Kansas

Telephone Number
620-792-4544

Cell: **620-282-0556**

Warehouse Location
Hays, Kansas

Telephone Number
785-621-4232

Mud-Co / Service Mud, Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **6**

Daily Drilling Mud Report

Date: **10/11/14** Depth: **3402**

Operator Palomino Petroleum	Contractor Pickrell Drilling	Rig No. 10
Address Rig	Address Rig	Spud Date 10/02/14
Report for Mr. Nick Gerstner	Report for Mr. Mike Kern	Section 12 Twp 19S Range 16W
Well Name & No. Dyer Tammen #1	County Rush	State Kansas

Operation	Casing	Mud Volume (BBL)	Circulation Data			
Present Activity CTCH	8 5/8 in. at 1020	Hole 289 Pits 400	Liner Size 6 Stroke 14	Opposite Drill Pipe 203	Pump Pressure 900	
Bit Size (in.) 7 7/8 No 2	Intermediate in. at	Total Circulating Vol. 689	Est.Hole/DS capacities 8.5 2.4747	Opposite Drill Collars 369	Pump Make Emsco	
Drill pipe sz 4 1/2 Type XH	Production / Liner in. at	Volume in Storage 0	BB/ Strk 0.137 Strk / Min. 60	Bottoms Up (Min.) 30	Pump Model D-375	
Drill Collar size 6 1/4 503	Drilling mud type chemical		BBL./Min. 8.2 GAL/Min. 345	System Total (Min) 84	Critical GPM DC/DP 261 343	

Sample from Flowline x__ or Pit __	Daily Mud Cost 3,955.75	Cumulative Mud Cost 9,963.90
Flowline Temperature _____	Mud Properties	

MUD PROPERTIES SPECIFICATIONS			
Time Sample Taken 8:35 AM	Mud Wt. (lbs/gal.) 9.0-9.4	Viscosity 46-50	Filtrate 8-10.0cc LCM as needed

Weight (lb/gal.)	9.3
Mud Gradient (psi/ft.)	0.484
Funnel Viscosity (Sec/qt. API)	62
Plastic Viscosity cp	16
Yield Point (lb/100 sq.ft.)	14
Gel Strength 10 sec/10 min.	13/65
pH	9.5
Filtrate API (ml/30 min.)	10.8
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	-
Alkalinity, Filtrate (Pf/Mf)	.26/-
Chloride Content, ppm	5,600
Calcium, ppm	30
Sand Content (% by Vol)	Tr
Solids Content (% by Vol.)	6.8
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	93.2
LCM, lbs/bbl.	0
Reynold's #DP	2,020
Reynold's # DC	2,946
ECD lb/gal	9.88

Suggest...

Run small stream of water at flowline while drilling to control mud wt. 9.0-9.4 #/gal.

Maintain 46-50 sec/qt. viscosity with the following premix
100 bbls fresh water
1 SODa Ash
1 Caustic *Add premix as needed for vis or to control mud wt.

1 1/2 sx Lignite
1/2 sx Pac
Gel f/ 50 vis Add as needed over 1 1/2 hours
Gel only as needed, no need for extremely high viscosity

LCM as needed with c/s hulls

Tourly while drilling: 1 sx Caustic
1/2 sx Lignite
*Add tourly at chemical bbl, add to system over 2 hours every tour that no premix is added

Trip slowly and don't shake pipe, break circulation on all TIH w/ bit

Circulate hole clean prior to all trips and keep hole full

Divert all DST recovery to reserve pit

If viscosity begins to climb, do not run a big amount of water to thin back, jet volume and clean a pit and add above premix with Gel f/ 45-50 sec/qt. viscosity

Please keep all material covered as needed... Thanks!

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	260		165	95	1,748.00
Lime	6		6		
Soda Ash	23		15	8	206.80
Caustic Soda	17		8	9	595.35
Lignite	15		8	7	200.20
C/S Hulls	76		64	12	215.40
Drill Pak	5		2	3	990.00
Desco	3		3		
Poly Plus	2		2		
Florigel					
Xcide					
Sapp	2		2		
Barite					
MiiGuard					

Mud-Co / Service Mud Representative
Jason Whiting

Home Address
Great Bend, Kansas

Telephone Number
620-792-4544

Cell: **620-282-0556**

Warehouse Location
Hays, Kansas

Telephone Number
785-621-4232

Mud-Co / Service Mud. Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: 7

Daily Drilling Mud Report

Date: **10/12/14** Depth: **3501**

Operator Palomino Petroleum	Contractor Pickrell Drilling	Rig No. 10
Address Rig	Address Rig	Spud Date 10/02/14
Report for Mr. Nick Gerstner	Report for Mr. Mike Kern	Section 12 Twp 19S Range 16W
Well Name & No. Dyer Tammen #1	County Rush	State Kansas

Operation		Casing		Mud Volume (BBL)		Circulation Data			
Present Activity				Hole	Pits	Liner Size	Stroke	Opposite Drill Pipe	Pump Pressure
TIH w/ DST 1		8 5/8	in. at 1020	298	400	6	14	203	-
Bit Size (in.) 7 7/8	No 2	Intermediate in. at		Total Circulating Vol. 698		Est.Hole/DS capacities 8.5 2.4747		Opposite Drill Collars 369	Pump Make EmSCO
Drill pipe sz 4 1/2	Type XH	Production / Liner in. at		Volume in Storage 40 bbls		BBI/ Strk 0.137	Strk / Min. 60	Bottoms Up (Min.) 31	Pump Model D-375
Drill Collar size 6 1/4	503	Drilling mud type chemical		BBL/Min. 8.2	GAL/Min. 345	System Total (Min) 85		Critical GPM DC/DP 258 330	

Sample from Flowline ___ or Pit _x_	Daily Mud Cost 457.75	Cumulative Mud Cost 10,421.65
Flowline Temperature _____	Mud Properties	

MUD PROPERTIES SPECIFICATIONS			
Mud Wt.(lbs/gal.)	Viscosity	Filtrate	LCM
9.0-9.4	46-50	8-10.0cc	as needed

Time Sample Taken	8:25 AM
Depth (Ft.)	3,501
Weight (lb/gal.)	9.4
Mud Gradient (psi/ft.)	0.489
Funnel Viscosity (Sec/qt. API)	72
Plastic Viscosity cp	17
Yield Point (lb/100 sq.ft.)	13
Gel Strength 10 sec/10 min.	12/65
pH	9.5
Filtrate API (ml/30 min.)	10.8
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	-
Alkalinity, Filtrate (Pf/Mf)	.31/-
Chloride Content, ppm	7,200
Calcium, ppm	40
Sand Content (% by Vol)	Tr
Solids Content (% by Vol.)	7.4
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	92.6
LCM, lbs/bbl.	0
Reynold's #DP	2,123
Reynold's # DC	2,972
ECD lb/gal	9.98

Suggest...

Run small stream of water at flowline while drilling to control mud wt. 9.0-9.4 #/gal.

Maintain 46-50 sec/qt. viscosity with the following premix
 100 bbls fresh water
 1 Soda Ash
 2 Caustic
 1 1/2 sx Lignite
 1/2 sx Pac
 Gel f/ 50 vis
 *Add premix after DST #2, then as needed for vis or to control mud wt.
 Jet and add over 1 1/2 hours
 Gel only as needed, no need for extremely high viscosity

LCM as needed with c/s hulls

Tourly while drilling: 1 sx Caustic
 1/2 sx Lignite
 *Add tourly at chemical bbl, add to system over 2 hours every tour that no premix is added

Trip slowly and don't shake pipe, break circulation on all TIH w/ bit

Circulate hole clean prior to all trips and keep hole full

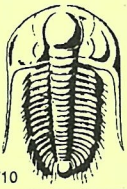
Divert all DST recovery to reserve pit

If viscosity begins to climb, do not run an excessive amount of water to thin back, jet volume and clean a pit and add above premix with Gel f/ 45-50 sec/qt. viscosity

Please keep all material covered as needed... Thanks!

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	165		145	20	368.00
Lime	6		6		
Soda Ash	15		15		
Caustic Soda	8		8		
Lignite	8		8		
C/S Hulls	64		59	5	89.75
Drill Pak	2		2		
Desco	3		3		
Poly Plus	2		2		
Florigel					
Xoide					
Sapp	2		2		
Barite					
MilGuard					

Mud-Co / Service Mud Representative Jason Whiting	Home Address Great Bend, Kansas	Telephone Number 620-792-4544
Cell: 620-282-0556	Warehouse Location Hays, Kansas	Telephone Number 785-621-4232



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56149

4/10

Well Name & No. Dyer-Jammen #1 Test No. 1 Date 10-11-14
 Company Palomino Petroleum, Inc. Elevation 2005 KB 1998 GL
 Address 4924 SE 84th St, Newton KS 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig Pickrell #10
 Location: Sec. 12 Twp. 19S Rge. 16W Co. Rush State KS

Interval Tested 3372 - 3402 Zone Tested LKC
 Anchor Length 30 Drill Pipe Run 3376 Mud Wt. 9.3
 Top Packer Depth 3367 Drill Collars Run 0 Vis 62
 Bottom Packer Depth 3372 Wt. Pipe Run 0 WL 10.8
 Total Depth 3402 Chlorides 5600 ppm System LCM 0

Blow Description IFP - Surface Blow Building to 2 3/4 in.
ISIP - No Blow
FFP - Surface Blow Building to 3 3/4 in.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>MCW</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	Feet of	%gas	%oil	%water	%mud

Rec Total 80 BHT 111 Gravity _____ API RW .305 @ 65 ° F Chlorides 24500 ppm

(A) Initial Hydrostatic 1700 Test _____ T-On Location 09:10
 (B) First Initial Flow 20 Jars _____ T-Started 12:43
 (C) First Final Flow 30 Safety Joint _____ T-Open 14:30
 (D) Initial Shut-In 988 Circ Sub _____ T-Pulled 17:30
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 19:35
 (F) Second Final Flow 53 Mileage 102 RT Comments _____
 (G) Final Shut-In 956 Sampler _____
 (H) Final Hydrostatic 1598 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total _____
 Final Flow 60 Day Standby _____ Total _____
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc

12 19s 16w Rush

4924 SE 84th St
New ton KS 67114-8827

Dyer-Tammen # 1

ATTN: Andrew Stenzel

Job Ticket: 56149

DST#: 1

Test Start: 2014.10.11 @ 12:43:00

GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 14:30:45

Time Test Ended: 19:35:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: **3372.00 ft (KB) To 3402.00 ft (KB) (TVD)**

Reference Elevations: 2005.00 ft (KB)

Total Depth: 3402.00 ft (KB) (TVD)

1998.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press@RunDepth: 53.25 psig @ 3374.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.11

End Date:

2014.10.11

Last Calib.: 2014.10.11

Start Time: 12:43:00

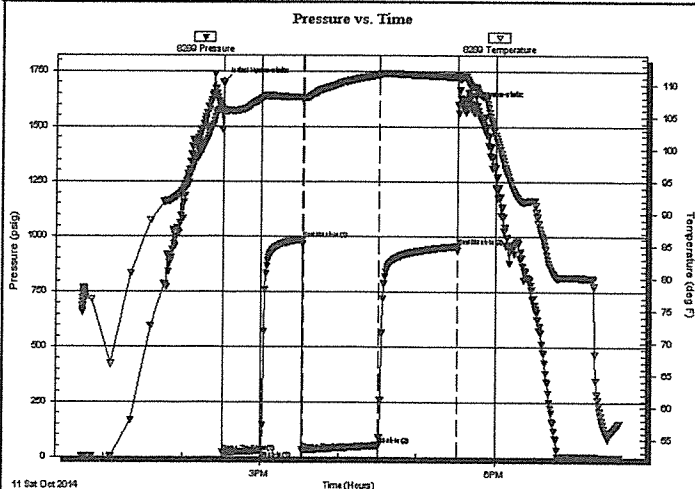
End Time:

19:35:00

Time On Btmr 2014.10.11 @ 14:30:30

Time Off Btmr 2014.10.11 @ 17:31:15

TEST COMMENT: 30-IFP- Surface Blow Building to 2 3/4in.
30-ISIP- No Blow
60-FFP- Surface Blow Building to 3 3/4in.
60-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.36	106.22	Initial Hydro-static
1	20.02	105.72	Open To Flow (1)
30	30.23	107.87	Shut-In(1)
61	988.19	108.10	End Shut-In(1)
62	31.02	107.48	Open To Flow (2)
120	53.25	111.56	Shut-In(2)
181	956.28	111.22	End Shut-In(2)
181	1598.75	111.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MCW 15% m 85% w	1.12

Gas Rates

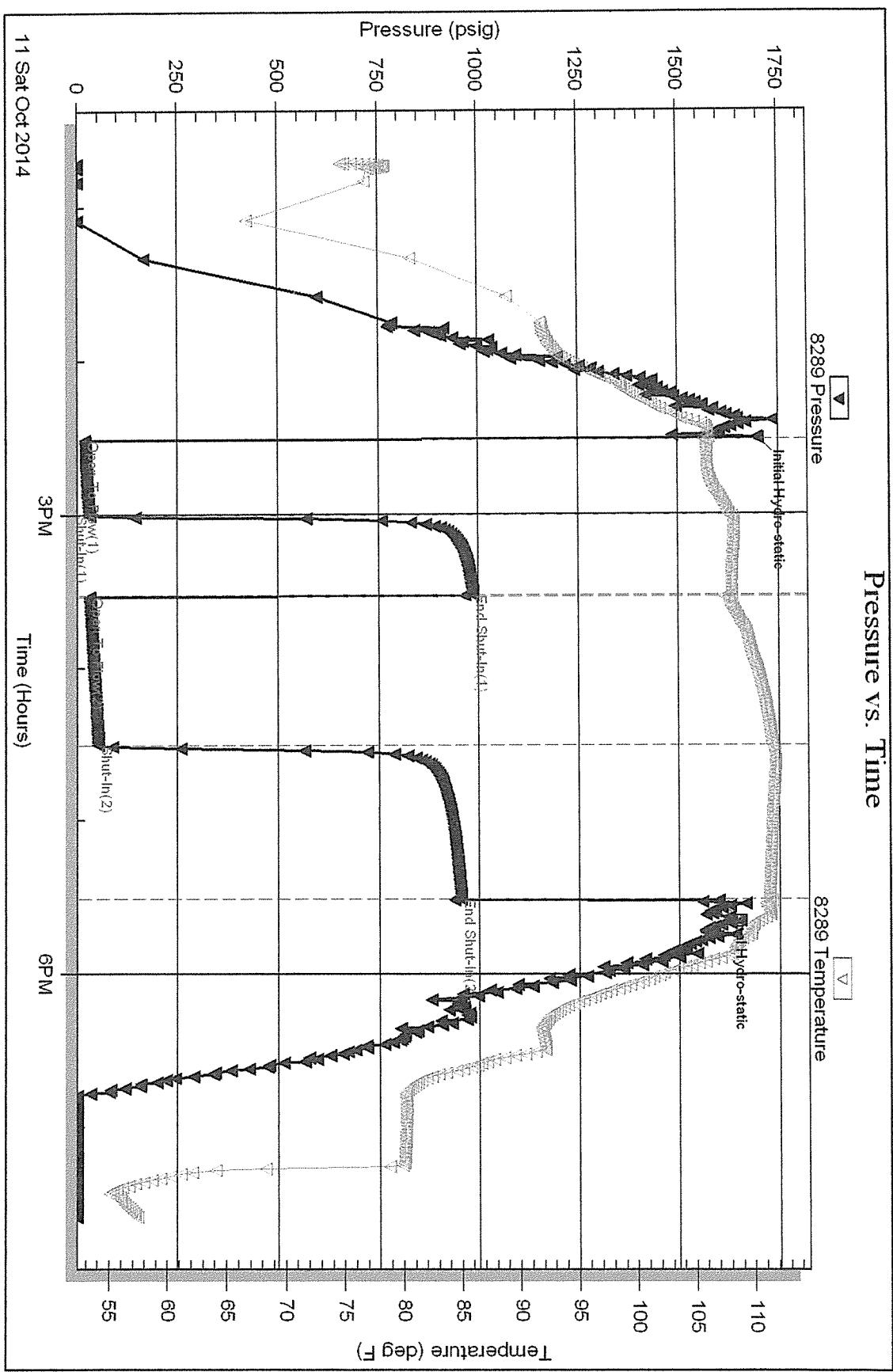
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8289

Outside Palomino Petroleum Inc

Dye-Tamman # 1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56149

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2009
629 m
Egibell
Baker 1-2

Orcutt
Harsh
1982/1982
Holt-Harkin

633 m
Dunn
1975
Ioffe Addis
1975
Dunn

Woodman Dunn 1
1971/1966/1975
1977

Tested Larsen
2007-11 Reagan
Cary
Dyer 1
1975
Addis
Curtis
Dyer 1
1985

U. Goff
1983
Miller

Ioffe Addis
1976
Miller

Tipton
Miller
1973
E. Miller

Bradshaw
Peterson
1983

Tipton
Miller
1973
0.19 m

Schroeder
1968
0.03 m

S. Miller
1973

C. H. Newell
Schroeder 2

1982

1945
Ioffe Addis
1975
Dyer B 1

626 m

1984

1947

1983

1983

1982

1977

626 m
1983
7.7-19S-R15W

11-T19S-R15W

1945

11-T19S-R15W

622 m
1985
7.7-19S-R15W

619 m
1985
5.12-19S-R15W

11-T19S-R15W

622 m
1985
7.7-19S-R15W

11-T19S-R15W

8.19-19S-R15W