



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1244649
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
-----------------------------------	-----------------	---

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: _____



1244649

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Twella BG 1
Doc ID	1244649

Tops

Name	Top	Datum
Anhy.	1973	(+612)
Base Anhy.	2004	(+581)
Topeka	3590	(-1005)
Heebner	3855	(-1270)
Lansing	3895	(-1310)
Stark	4150	(-1565)
Hushpuckney	4187	(-1602)
BKC	4229	(-1644)
Marmaton	4250	(-1665)
Pawnee	4364	(-1779)
Ft. Scott	4414	(-1829)
Cherokee Sh.	4443	(-1858)
Miss.	4525	(-1940)
LTD	4632	(-2047)



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone:785-324-1041 fax:785-483-1087
 Email: cementing@ruraltel.net

RECEIVED
 JAN 30 2015

Date: 1/23/2015
 Invoice # 1080
 P.O.#:
 Due Date: 2/22/2015
 Division: Russell

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:
 Palomino Petroleum Inc
 4924 SE 84th
 Newton Ks 67114

Reference:
 TWELLA BG 1

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No				
Common-Class A	150	\$ 2,612.50	Yes				
Pump Truck Mileage-Job to Nearest Camp	43	\$ 452.98	No				
Bulk Truck Matl-Material Service Charge	158	\$ 333.56	No				
Calcium Chloride	5	\$ 293.76	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	43	\$ 265.07	No				
Premium Gel (Bentonite)	3	\$ 51.55	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,973.27
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (745.99)

SubTotal for Taxable Items: \$ 2,514.14
 SubTotal for Non-Taxable Items: \$ 1,713.14

7.15% Lane County Sales Tax

Total: \$ 4,227.28
 Tax: \$ 179.76
Amount Due: \$ 4,407.04
Applied Payments:
Balance Due: \$ 4,407.04

Thank You For Your Business!

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

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 1080

Cell 785-324-1041

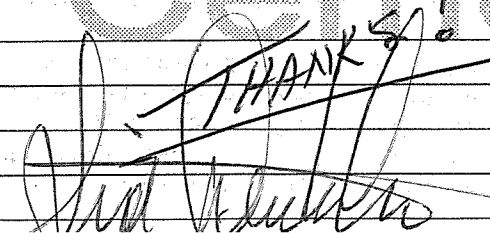
Date	1-23-15	Sec.	25	Twp.	17	Range	27	County	Lane	State	Kansas	On Location		Finish	8:30 PM
Location								Pendennis KS. 1E 6S 4E & S INTO							

Lease	Twella RG		Well No. #1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor	W-W DRIG. Rig # 8		Type Job	Cement Surface		
Hole Size	12 1/4	T.D.	217	Charge To	Palomino Petroleum Inc.	
Csg.	8 5/8	Depth	216	Street		
Tbg. Size		Depth		City	State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
Cement Left in Csg.	15'	Shoe Joint		Cement Amount Ordered	150 sx Com 3% CC 2% GEL	
Meas Line		Displace	13 BBL	Common	150	

EQUIPMENT					
Pumptrk	18	No.	Cementer	Gilenn G.	
			Helper	Cody B.	
Bulktrk	15	No.	Driver	Derek H.	
			Driver		
Bulktrk		No.	Driver		
			Driver		
				Poz. Mix	
				Gel.	3
				Calcium	5

JOB SERVICES & REMARKS			
Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	158
		Mileage	

FLOAT EQUIPMENT			
		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
		Pumptrk Charge	Surface
		Mileage	43

X Signature		Tax	
		Discount	
		Total Charge	



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 2/2/2015
 Invoice # 6323

RECEIVED

FEB 05 2015

P.O.#:
 Due Date: 3/4/2015
 Division: Russell

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:
 Palomino Petroleum Inc
 4924 SE 84th
 Newton Ks 67114

Reference:
 TWELLA BG 1

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	Yes				
Common-Class A	162	\$ 2,821.50	Yes				
POZ Mix-Standard	108	\$ 718.20	Yes				
Bulk Truck Matl-Material Service Charge	280	\$ 591.11	Yes				
Pump Truck Mileage-Job to Nearest Camp	43	\$ 452.98	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	43	\$ 265.07	Yes				
Premium Gel (Bentonite)	10	\$ 171.84	Yes				
Flo Seal	67	\$ 141.44	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 6,126.00
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (918.90)

SubTotal for Taxable Items:	\$ 5,207.10
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 5,207.10
Tax:	\$ 372.31

7.15% Lane County Sales Tax

Thank You For Your Business!

Amount Due: \$ 5,579.41
Applied Payments:
Balance Due: \$ 5,579.41

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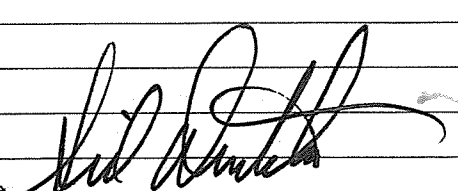
QUALITY OILWELL CEMENTING, INC.

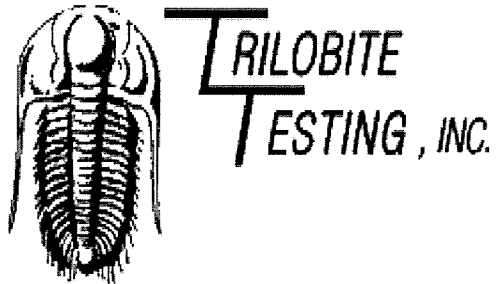
Federal Tax I.D.# 20-2886107

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

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

No. 6323

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-1-15	25	17	27	Lane	KS		7:00 AM
Lease Twella BG BG				Well No. 1	Location Pender's IE to scout Rd 65 to 2000 IE to cut the ground into 3 EDS		
Contractor WW		8		Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job Plug				Charge To Palamino			
Hole Size 7 7/8		T.D. 46321		Street			
Csg.		Depth		City State			
Tbg. Size D.P. 4 1/2		Depth 2000		The above was done to satisfaction and supervision of owner agent or contractor.			
Tool		Depth		Cement Amount Ordered 270 sk 60/40 470 gal 1/4# F/L			
Cement Left in Csg.		Shoe Joint		Meas Line Displace water			
EQUIPMENT				Common 162			
Pumptrk 17	No.	Cementer Helper	Lennie	Poz. Mix 108			
Bulktrk 9	No.	Driver	Dary	Gel. 10			
Bulktrk PN	No.	Driver	Billy	Calcium			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal 67#			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
1 st 2000' 50 sk				Handling 280			
2 nd 1200' 50 sk				FLOAT EQUIPMENT			
3 rd 600' 50 sk				Guide Shoe			
4 th 245' 40 sk				Centralizer			
5 th 60 20 sk				Baskets			
Rat 30 sk				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge Plug			
				Mileage 43			
X Signature 				Tax			
				Discount			
				Total Charge			



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th ST
Newton KS, 67114-8827

ATTN: Ryan Seib

Twella BG #1

25-17s-27w Lane,KS

Start Date: 2015.01.28 @ 03:00:00

End Date: 2015.01.28 @ 08:44:15

Job Ticket #: 58525 DST #: 1

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
 4924 SE 84th ST
 Newton KS, 67114-8827
 ATTN: Ryan Seib

25-17s-27w Lane, KS
Twella BG #1
 Job Ticket: 58525 **DST#: 1**
 Test Start: 2015.01.28 @ 03:00:00

GENERAL INFORMATION:

Formation: **KC 'H - I'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:04:30
 Time Test Ended: 08:44:15
 Interval: **4050.00 ft (KB) To 4115.00 ft (KB) (TVD)**
 Total Depth: 4115.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor

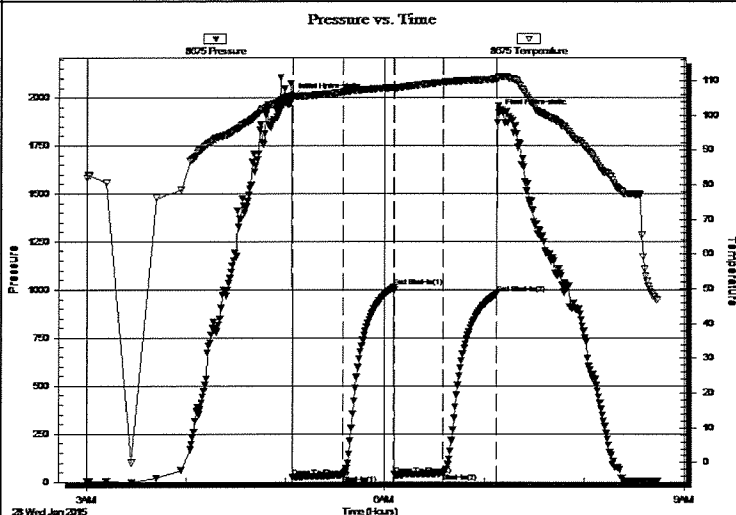
Test Type: Conventional Bottom Hole (Initial)
 Tester: Jace McKinney
 Unit No: 75
 Reference Elevations: 2580.00 ft (KB)
 2574.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8675

Inside

Press@RunDepth: 45.02 psig @ 4070.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.28 End Date: 2015.01.28 Last Calib.: 2015.01.28
 Start Time: 03:00:15 End Time: 08:44:15 Time On Btm: 2015.01.28 @ 05:03:45
 Time Off Btm: 2015.01.28 @ 07:08:15

TEST COMMENT: Built to 1 1/2" blow
 Bled off for 3 min, No return blow
 Built to 1/4", died in 30 min.
 Bled off for 3 min, No return blow



PRESSURE SUMMARY

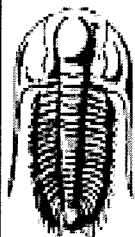
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.49	105.60	Initial Hydro-static
1	24.11	104.67	Open To Flow (1)
32	35.21	106.62	Shut-In(1)
62	1014.16	107.91	End Shut-In(1)
62	37.31	107.50	Open To Flow (2)
92	45.02	109.47	Shut-In(2)
124	978.96	110.37	End Shut-In(2)
125	1919.01	110.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

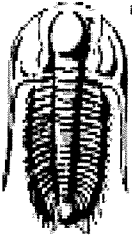
25-17s-27w Lane, KS
Twella BG #1
Job Ticket: 58525 **DST#: 1**
Test Start: 2015.01.28 @ 03:00:00

Tool Information

Drill Pipe:	Length: 3916.26 ft	Diameter: 3.80 inches	Volume: 54.93 bbl	Tool Weight: 2500.00 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: 120.15 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.91 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4050.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	92.50 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			4023.50	
Shut In Tool	5.00			4028.50	
Hydraulic tool	5.00			4033.50	
Jars	5.00			4038.50	
Safety Joint	2.50			4041.00	
Packer	5.00			4046.00	27.50 Bottom Of Top Packer
Packer	4.00			4050.00	
Stubb	1.00			4051.00	
Perforations	18.00			4069.00	
Change Over Sub	1.00			4070.00	
Recorder	0.00	8675	Inside	4070.00	
Recorder	0.00	8650	Outside	4070.00	
Drill Pipe	31.00			4101.00	
Change Over Sub	1.00			4102.00	
Perforations	10.00			4112.00	
Bullnose	3.00			4115.00	65.00 Bottom Packers & Anchor
Total Tool Length:	92.50				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58525 **DST#: 1**
Test Start: 2015.01.28 @ 03:00:00

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: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

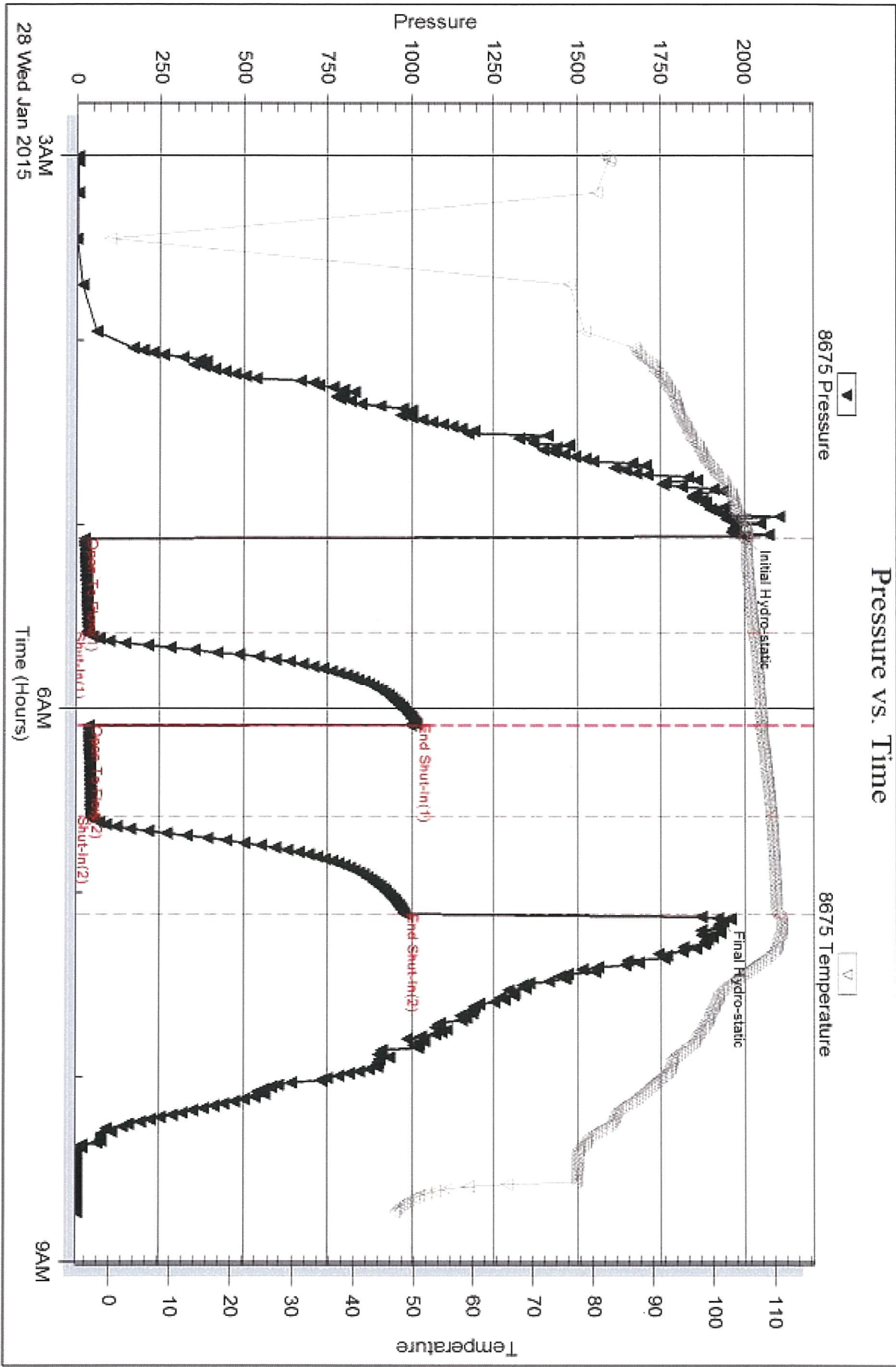
Serial #: 8675

Inside

Palomino Petroleum, Inc

Twella BG #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58525

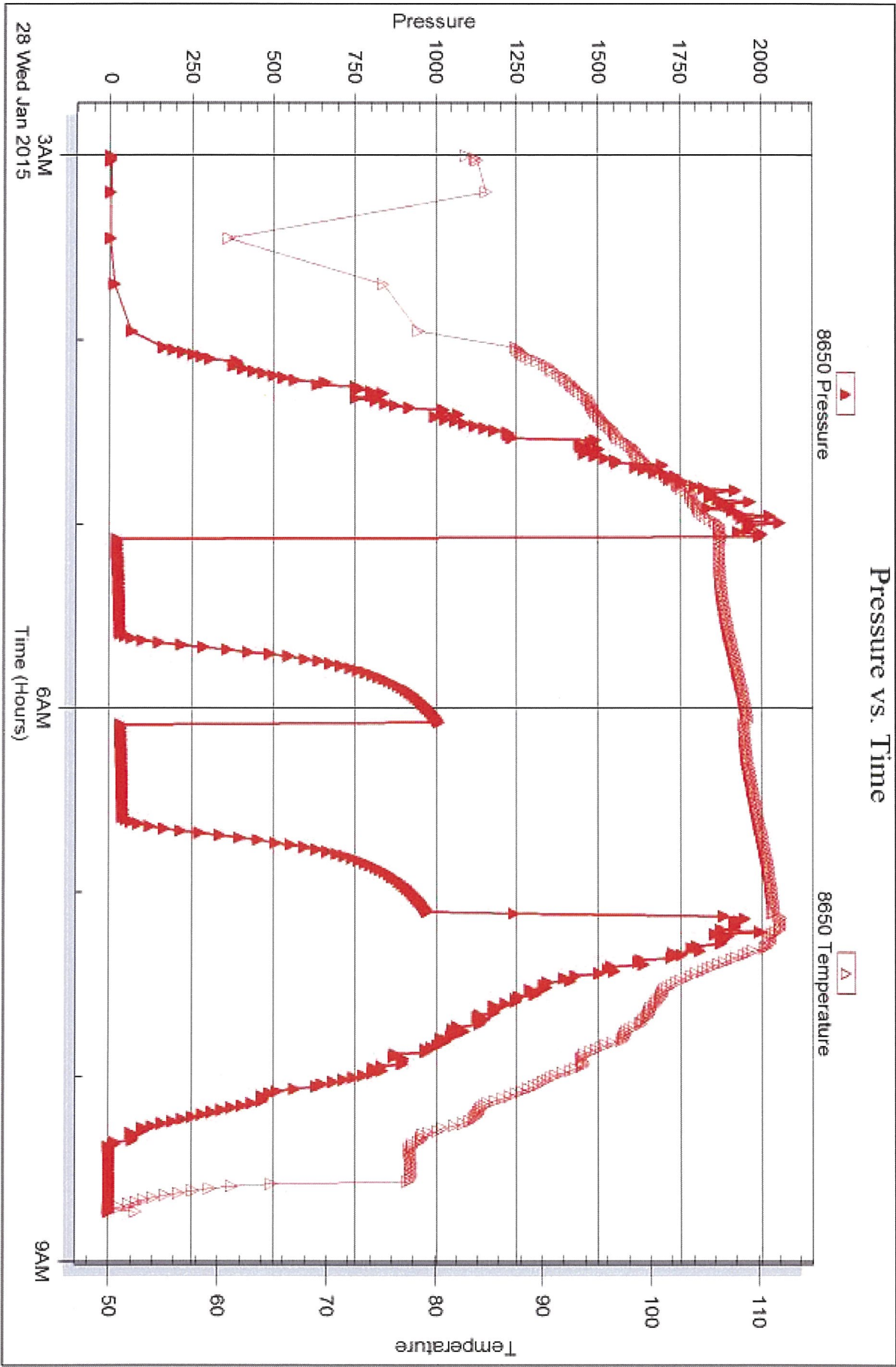
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Serial #: 8650

Outside Palomino Petroleum, Inc

Twella BG #1

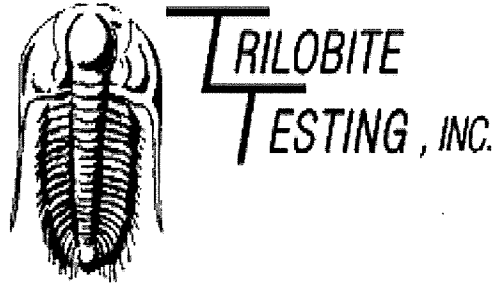
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 58525

Printed: 2015.02.02 @ 17:01:46



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th ST
Newton KS, 67114-8827

ATTN: Ryan Seib

Twella BG #1

25-17s-27w Lane,KS

Start Date: 2015.01.28 @ 18:35:00

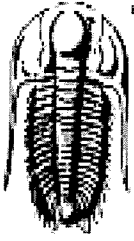
End Date: 2015.01.29 @ 00:10:00

Job Ticket #: 58526 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

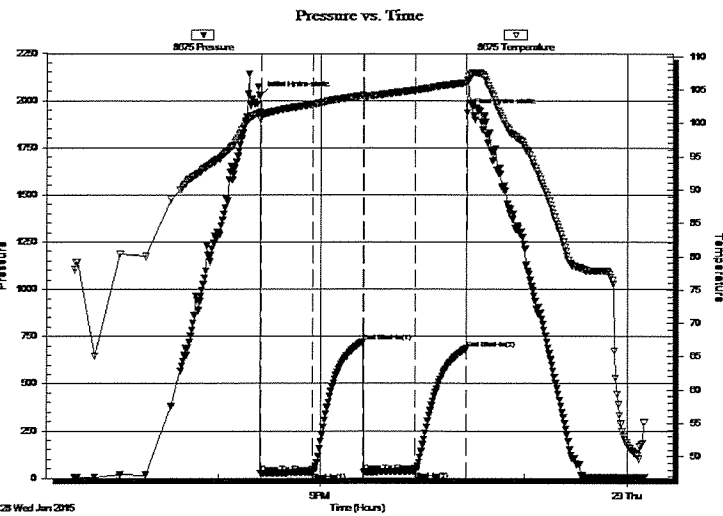
25-17s-27w Lane, KS
Twella BG #1
Job Ticket: 58526 **DST#: 2**
Test Start: 2015.01.28 @ 18:35:00

GENERAL INFORMATION:

Formation: **KC 'J - K'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:24:45
Time Test Ended: 00:10:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 75
Interval: **4106.00 ft (KB) To 4195.00 ft (KB) (TVD)**
Reference Elevations: 2580.00 ft (KB)
Total Depth: 4195.00 ft (KB) (TVD) 2574.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 6.00 ft

Serial #: 8675 Inside
Press@RunDepth: 36.86 psig @ 4119.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.01.28 End Date: 2015.01.29 Last Calib.: 2015.01.29
Start Time: 18:35:15 End Time: 00:10:00 Time On Btm: 2015.01.28 @ 20:24:30
Time Off Btm: 2015.01.28 @ 22:26:15

TEST COMMENT: Built to 1" blow
No return blow
No blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.52	101.63	Initial Hydro-static
1	23.86	100.59	Open To Flow (1)
31	31.33	102.85	Shut-In(1)
61	722.50	104.20	End Shut-In(1)
61	32.02	103.95	Open To Flow (2)
91	36.86	104.96	Shut-In(2)
121	684.89	106.09	End Shut-In(2)
122	1935.48	106.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud	0.15

* 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
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

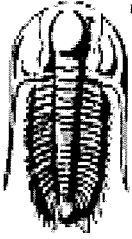
25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58526 **DST#: 2**
Test Start: 2015.01.28 @ 18:35:00

Tool Information

Drill Pipe:	Length: 3979.29 ft	Diameter: 3.80 inches	Volume: 55.82 bbl	Tool Weight: 2500.00 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: 120.15 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 86000.00 lb
		Total Volume: 56.41 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.94 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4106.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	116.50 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			4079.50	
Shut In Tool	5.00			4084.50	
Hydraulic tool	5.00			4089.50	
Jars	5.00			4094.50	
Safety Joint	2.50			4097.00	
Packer	5.00			4102.00	27.50 Bottom Of Top Packer
Packer	4.00			4106.00	
Stubb	1.00			4107.00	
Perforations	11.00			4118.00	
Change Over Sub	1.00			4119.00	
Recorder	0.00	8675	Inside	4119.00	
Recorder	0.00	8650	Outside	4119.00	
Drill Pipe	62.00			4181.00	
Change Over Sub	1.00			4182.00	
Perforations	10.00			4192.00	
Bullnose	3.00			4195.00	89.00 Bottom Packers & Anchor
Total Tool Length:	116.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58526 **DST#: 2**
Test Start: 2015.01.28 @ 18:35:00

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: 67.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

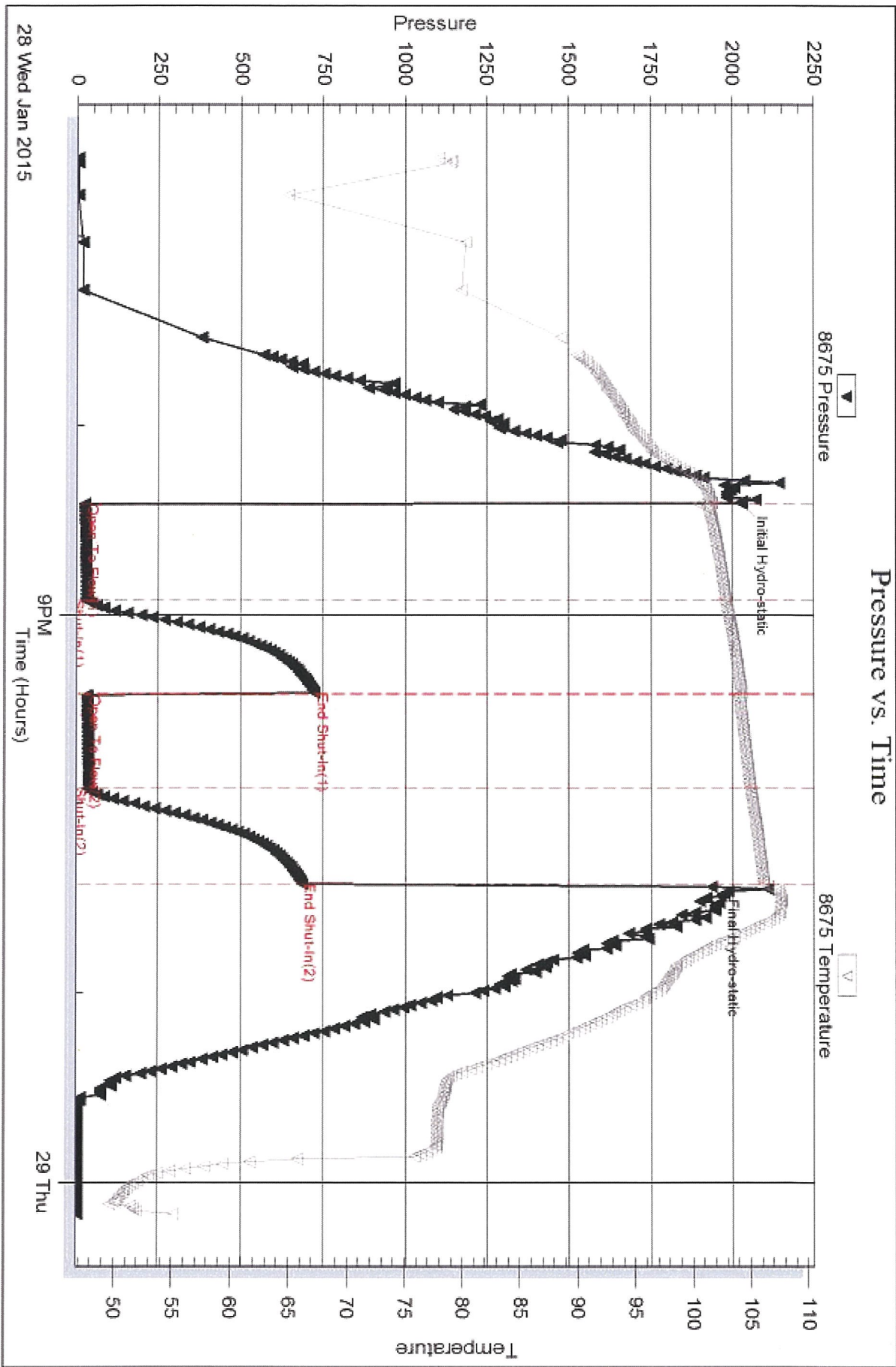
Serial #: 8675

Inside

Palomino Petroleum, Inc

Twella BG #1

DST Test Number: 2



Trickle Testing, Inc

Ref. No: 58526

Printed 2015.02.02 @ 17:01:20

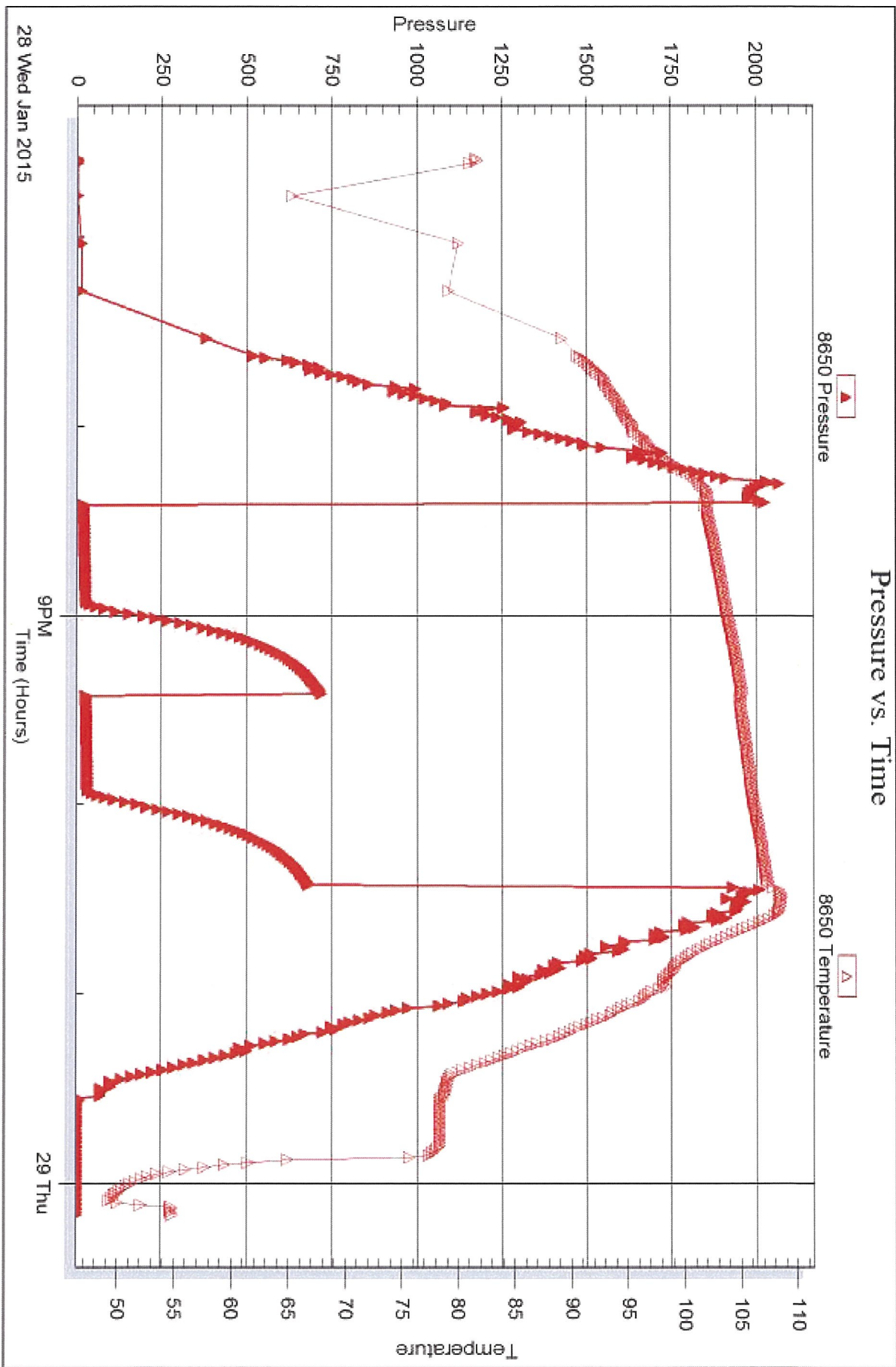
Serial #: 8650

Outside

Falomo Petroleum, Inc

Twella BG #1

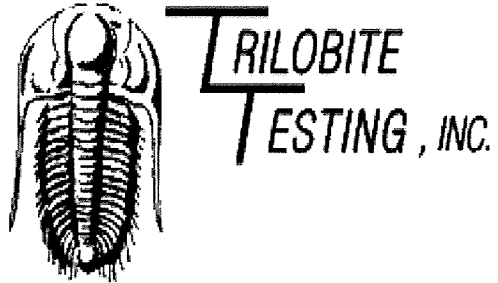
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 58526

Printed: 2015 02 02 @ 17:01:20



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th ST
Newton KS, 67114-8827

ATTN: Ryan Seib

Twella BG #1

25-17s-27w Lane,KS

Start Date: 2015.01.29 @ 08:50:00

End Date: 2015.01.29 @ 14:23:45

Job Ticket #: 58527 DST #: 3

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

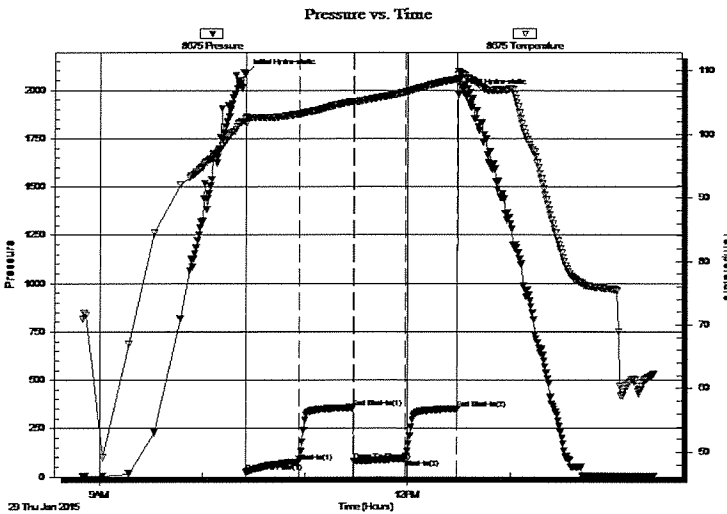
25-17s-27w Lane, KS
Twella BG #1
Job Ticket: 58527 **DST#: 3**
Test Start: 2015.01.29 @ 08:50:00

GENERAL INFORMATION:

Formation: **KC 'L - Pleasanton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:25:45
Time Test Ended: 14:23:45
Interval: **4182.00 ft (KB) To 4250.00 ft (KB) (TVD)**
Total Depth: 4250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 75
Reference Elevations: 2580.00 ft (KB)
2574.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8675 **Inside**
Press@RunDepth: 94.11 psig @ 4203.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.01.29 End Date: 2015.01.29 Last Calib.: 2015.01.29
Start Time: 08:50:15 End Time: 14:23:45 Time On Btm: 2015.01.29 @ 10:25:30
Time Off Btm: 2015.01.29 @ 12:29:30

TEST COMMENT: Built to 8 1/4" blow
No return blow
Built to 5 1/4" blow
Weak surface return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2086.81	102.77	Initial Hydro-static
1	24.56	101.77	Open To Flow (1)
31	78.05	103.18	Shut-In(1)
63	358.91	105.21	End Shut-In(1)
64	82.51	105.09	Open To Flow (2)
94	94.11	106.63	Shut-In(2)
124	352.76	108.71	End Shut-In(2)
124	1980.89	109.46	Final Hydro-static

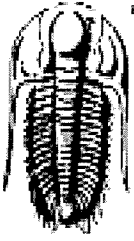
Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 50%W 50%M w ith oil scum	0.30
60.00	w cm 10%W 90%M w ith oil scum	0.30
35.00	ocm 2%O 98%M	0.49
5.00	Clean Oil	0.07

* 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
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58527 **DST#: 3**
Test Start: 2015.01.29 @ 08:50:00

Tool Information

Drill Pipe:	Length: 4039.65 ft	Diameter: 3.80 inches	Volume: 56.67 bbl	Tool Weight: 2500.00 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: 120.15 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 84000.00 lb
		Total Volume: 57.26 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.30 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4182.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	95.50 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			4155.50	
Shut In Tool	5.00			4160.50	
Hydraulic tool	5.00			4165.50	
Jars	5.00			4170.50	
Safety Joint	2.50			4173.00	
Packer	5.00			4178.00	27.50 Bottom Of Top Packer
Packer	4.00			4182.00	
Stubb	1.00			4183.00	
Perforations	19.00			4202.00	
Change Over Sub	1.00			4203.00	
Recorder	0.00	8675	Inside	4203.00	
Recorder	0.00	8650	Outside	4203.00	
Drill Pipe	31.00			4234.00	
Change Over Sub	1.00			4235.00	
Perforations	12.00			4247.00	
Bullnose	3.00			4250.00	68.00 Bottom Packers & Anchor
Total Tool Length:		95.50			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58527 **DST#: 3**
Test Start: 2015.01.29 @ 08:50:00

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:	30000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	w cm 50%W 50%M w ith oil scum	0.295
60.00	w cm 10%W 90%M w ith oil scum	0.295
35.00	ocm 2%O 98%M	0.490
5.00	Clean Oil	0.070

Total Length: 160.00 ft Total Volume: 1.150 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .32 @ 50 F = 30,000

Serial #: 8675

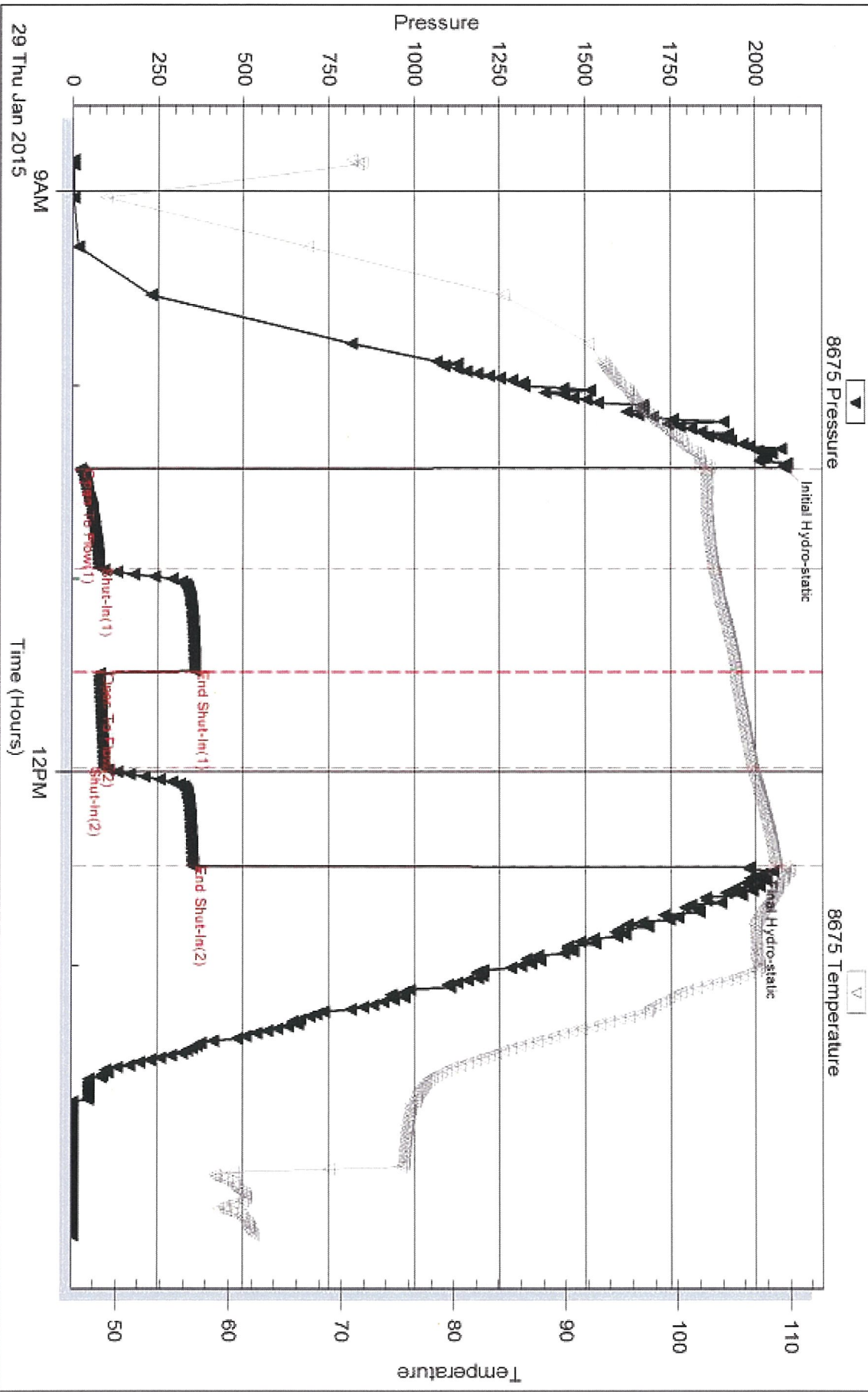
Inside

Palomino Petroleum, Inc

Twella BG #1

DST Test Number: 3

Pressure vs. Time



Trickle Testing, Inc

Ref. No: 58527

Printed 2015.02.02 @ 17:00:51

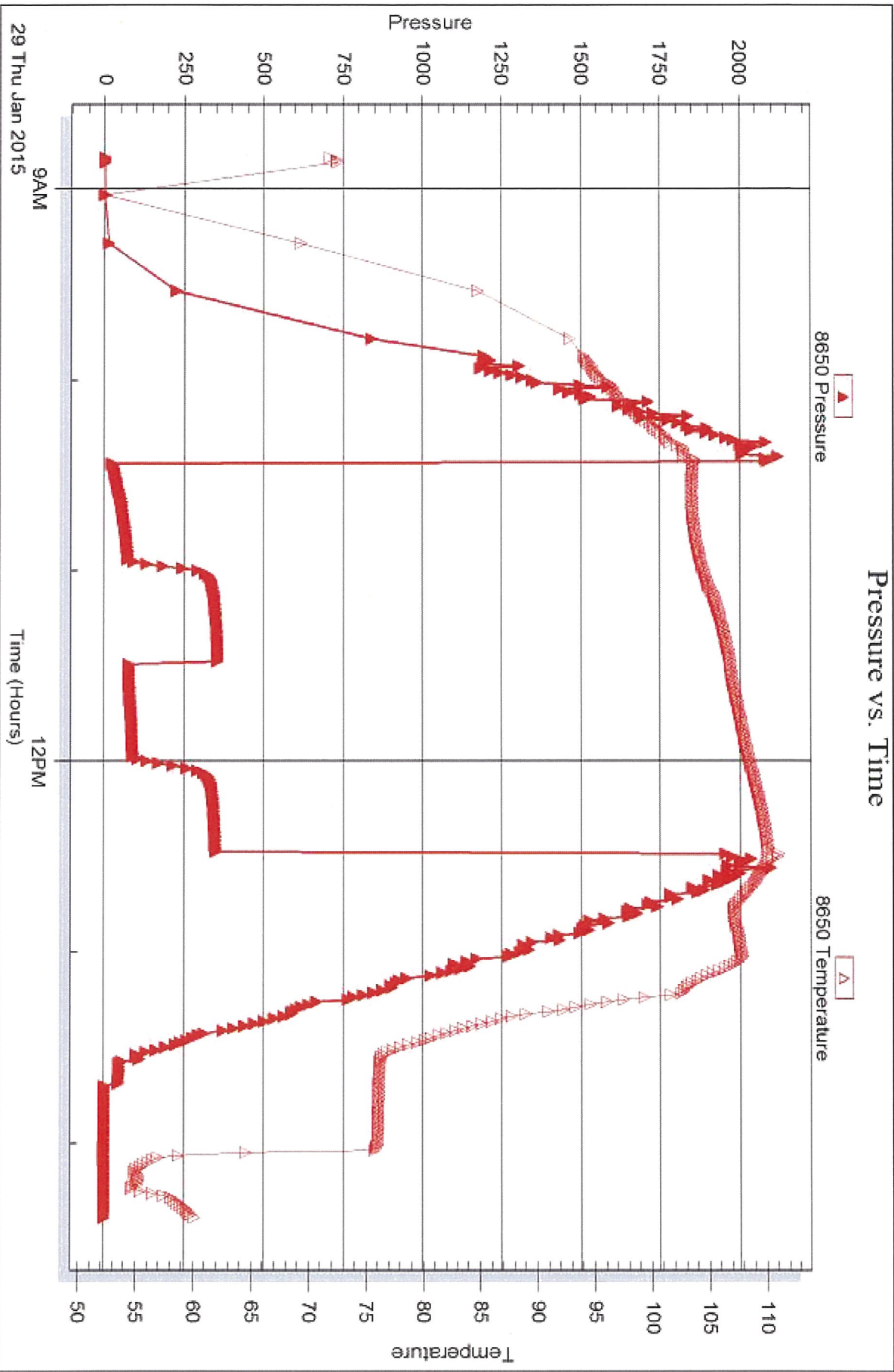
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Outside

Palomino Petroleum, Inc

Twella BG #1

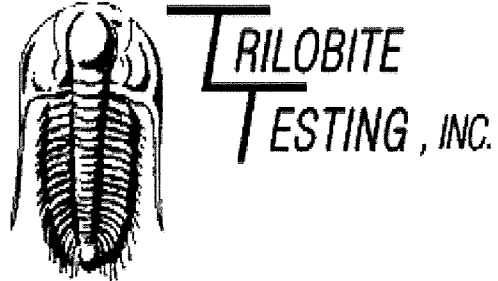
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58527

Printed 2015.02.02 @ 17:00:51



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th ST
Newton KS, 67114-8827

ATTN: Ryan Seib

Twella BG #1

25-17s-27w Lane,KS

Start Date: 2015.01.30 @ 13:30:00

End Date: 2015.01.30 @ 18:56:45

Job Ticket #: 58528 DST #: 4

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

25-17s-27w Lane, KS
Twella BG #1
Job Ticket: 58528 **DST#: 4**
Test Start: 2015.01.30 @ 13:30:00

GENERAL INFORMATION:

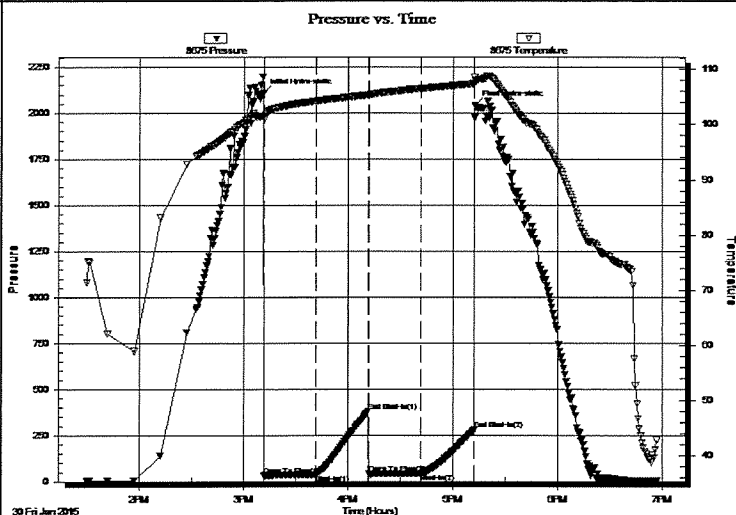
Formation: **Marmaton - Ft Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:11:30
Time Test Ended: 18:56:45
Interval: **4217.00 ft (KB) To 4445.00 ft (KB) (TVD)**
Total Depth: 4445.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 75
Reference Elevations: 2580.00 ft (KB)
2574.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8675

Inside

Press@RunDepth: 43.45 psig @ 4237.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.01.30 End Date: 2015.01.30 Last Calib.: 2015.01.30
Start Time: 13:30:15 End Time: 18:56:45 Time On Btm: 2015.01.30 @ 15:11:15
Time Off Btm: 2015.01.30 @ 17:12:30

TEST COMMENT: Built to 1 1/2" blow
No return blow
Weak surface, died in 20 min.
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.00	101.56	Initial Hydro-static
1	31.93	100.90	Open To Flow (1)
30	38.29	104.24	Shut-In(1)
61	378.53	105.33	End Shut-In(1)
61	39.96	105.23	Open To Flow (2)
91	43.45	106.50	Shut-In(2)
121	279.29	107.43	End Shut-In(2)
122	2042.78	107.99	Final Hydro-static

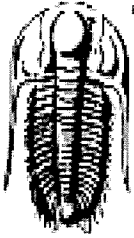
Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%Mud	0.15

* 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
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

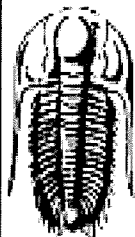
25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58528 **DST#: 4**
Test Start: 2015.01.30 @ 13:30:00

Tool Information

Drill Pipe:	Length: 4102.67 ft	Diameter: 3.80 inches	Volume: 57.55 bbl	Tool Weight: 2500.00 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: 120.15 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 97000.00 lb
		Total Volume: 58.14 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	33.32 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	4217.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	228.00 ft			
Tool Length:	255.50 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			4190.50	
Shut In Tool	5.00			4195.50	
Hydraulic tool	5.00			4200.50	
Jars	5.00			4205.50	
Safety Joint	2.50			4208.00	
Packer	5.00			4213.00	27.50 Bottom Of Top Packer
Packer	4.00			4217.00	
Stubb	1.00			4218.00	
Perforations	18.00			4236.00	
Change Over Sub	1.00			4237.00	
Recorder	0.00	8675	Inside	4237.00	
Recorder	0.00	8650	Outside	4237.00	
Drill Pipe	187.00			4424.00	
Change Over Sub	1.00			4425.00	
Perforations	17.00			4442.00	
Bullnose	3.00			4445.00	228.00 Bottom Packers & Anchor
Total Tool Length:		255.50			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58528 **DST#: 4**
Test Start: 2015.01.30 @ 13:30:00

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

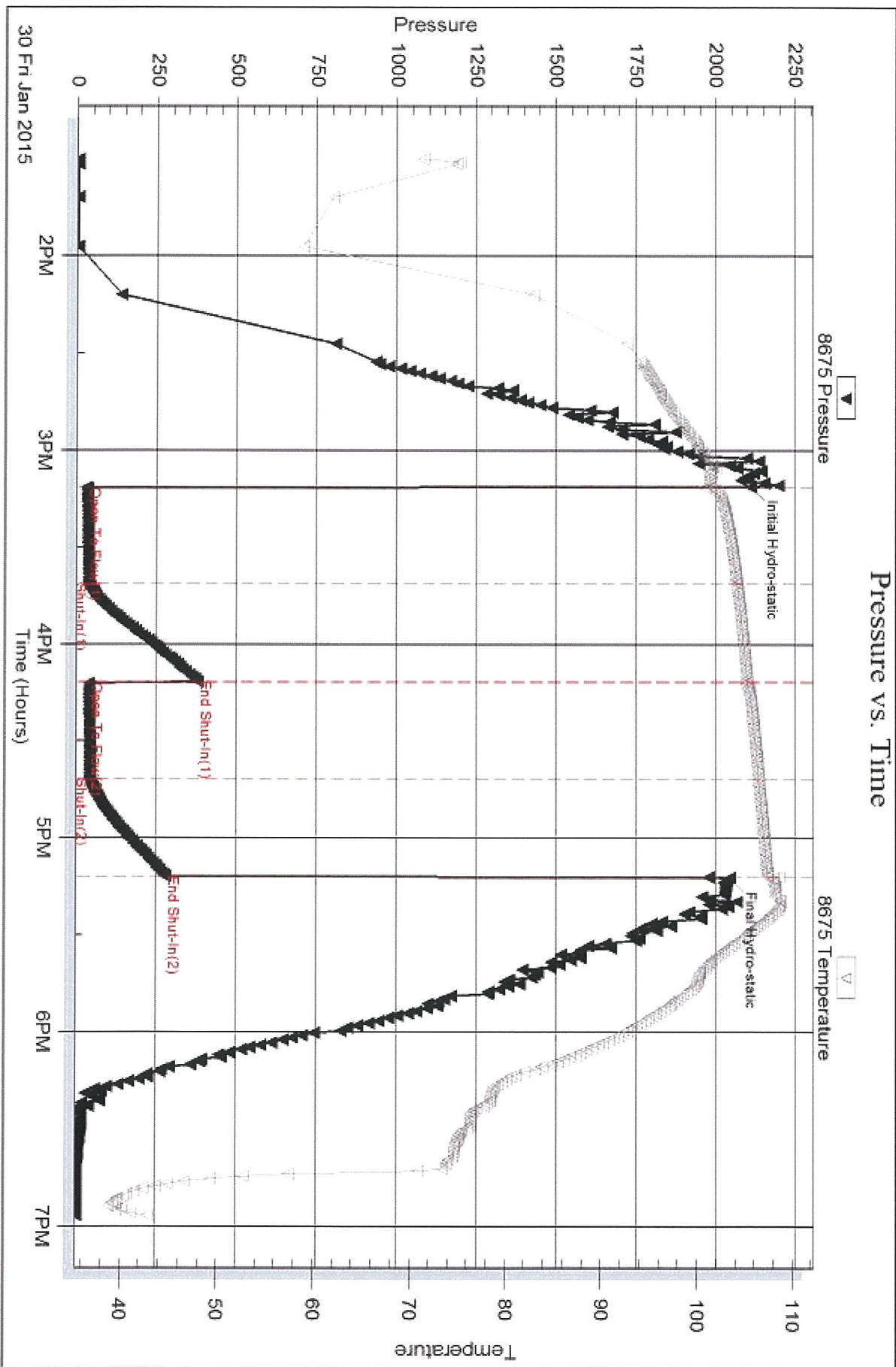
Serial #: 9675

Inside

Palomino Petroleum, Inc

Twella BG #1

DST Test Number: 4



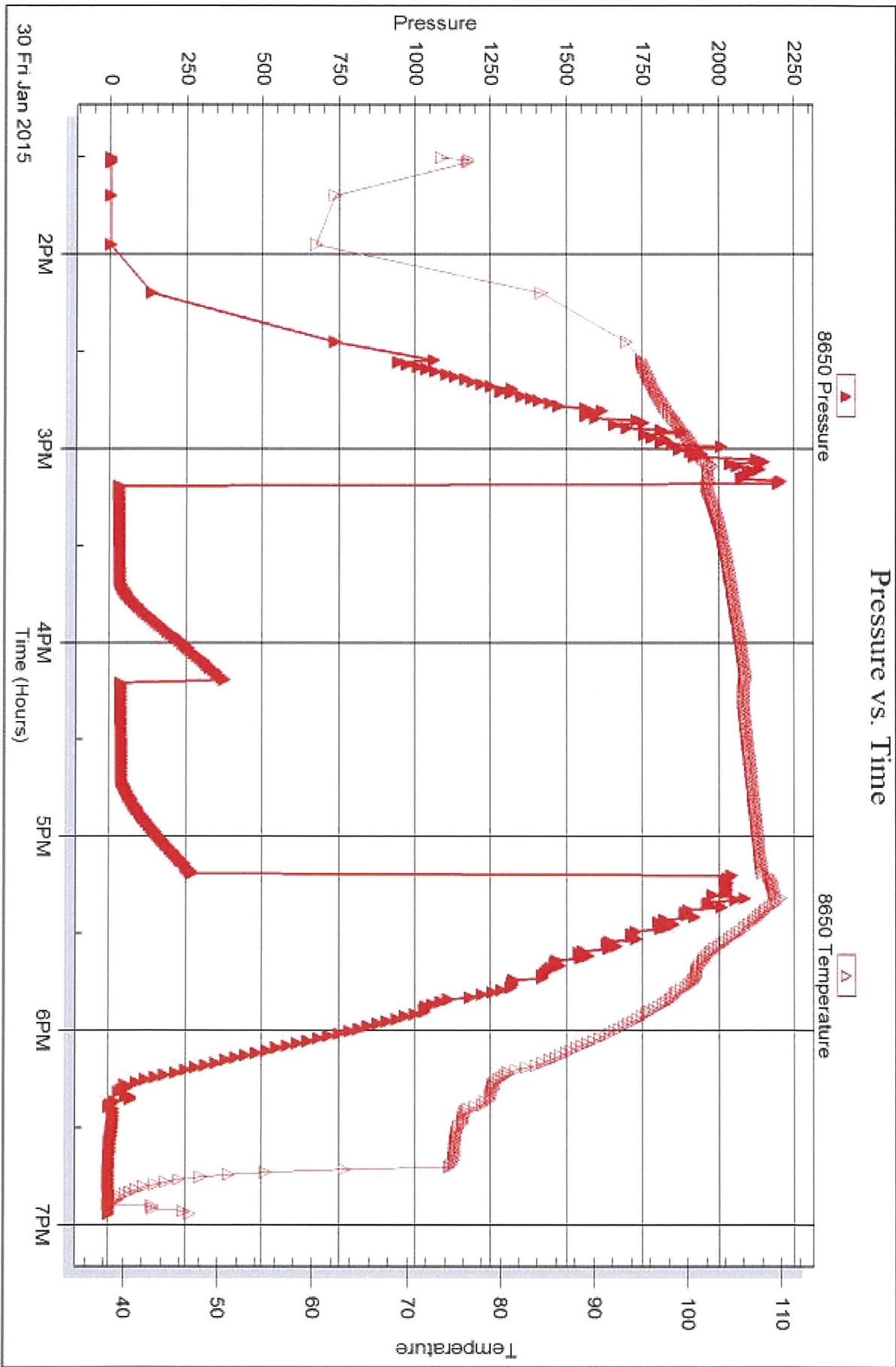
Serial #: 8650

Outside

Palomino Petroleum, Inc

Twella BG #1

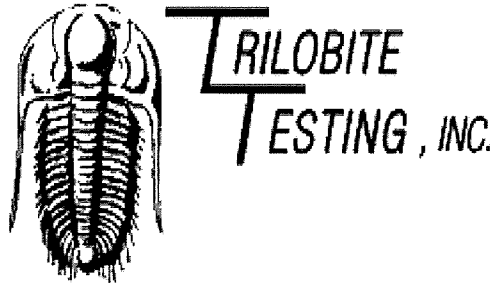
DST Test Number: 4



Trickle Testing, Inc

Ref. No: 58528

Printed 2015.02.02 @ 17:00:04



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th ST
Newton KS, 67114-8827

ATTN: Ryan Seib

Twella BG #1

25-17s-27w Lane,KS

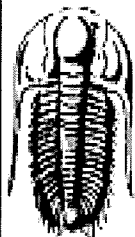
Start Date: 2015.01.31 @ 15:12:00

End Date: 2015.01.31 @ 21:23:15

Job Ticket #: 58529 DST #: 5

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

Printed: 2015.02.02 @ 16:51:25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

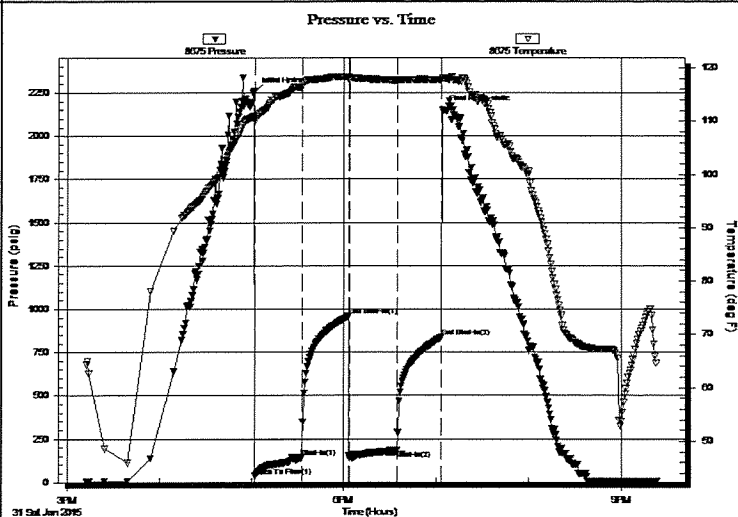
25-17s-27w Lane, KS
Twella BG #1
Job Ticket: 58529 **DST#: 5**
Test Start: 2015.01.31 @ 15:12:00

GENERAL INFORMATION:

Formation: **4632**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:02:15
Time Test Ended: 21:23:15
Interval: **4439.00 ft (KB) To 4560.00 ft (KB) (TVD)**
Total Depth: 4115.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Straddle (Reset)
Tester: Jace McKinney
Unit No: 75
Reference Elevations: 2580.00 ft (KB)
2574.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8675 Inside
Press@RunDepth: 184.92 psig @ 4451.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.01.31 End Date: 2015.01.31 Last Calib.: 2015.01.31
Start Time: 15:12:15 End Time: 21:23:15 Time On Btm: 2015.01.31 @ 17:02:00
Time Off Btm: 2015.01.31 @ 19:04:00

TEST COMMENT: B.O.B. in 24 1/2" min.
Bled off for 5 min, No return blow
Built to 7" blow
Bled off for 5 min, No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.78	110.90	Initial Hydro-static
1	35.57	109.96	Open To Flow (1)
31	140.92	116.38	Shut-In(1)
61	958.63	118.34	End Shut-In(1)
62	138.96	118.10	Open To Flow (2)
93	184.92	117.66	Shut-In(2)
122	838.33	117.71	End Shut-In(2)
122	2152.13	118.11	Final Hydro-static

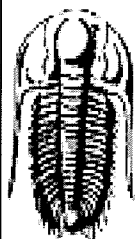
Recovery

Length (ft)	Description	Volume (bbl)
326.00	100% Mud w ith oil spots	3.48

* 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
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

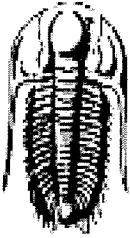
25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58529 **DST#: 5**
Test Start: 2015.01.31 @ 15:12:00

Tool Information

Drill Pipe:	Length: 4320.98 ft	Diameter: 3.80 inches	Volume: 60.61 bbl	Tool Weight: 2500.00 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: 120.15 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 100000.0 lb
		Total Volume: 61.20 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.63 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4439.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	4560.00 ft			
Interval between Packers:	121.00 ft			
Tool Length:	221.50 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			4412.50		
Shut In Tool	5.00			4417.50		
Hydraulic tool	5.00			4422.50		
Jars	5.00			4427.50		
Safety Joint	2.50			4430.00		
Packer	5.00			4435.00	27.50	Bottom Of Top Packer
Packer	4.00			4439.00		
Stubb	1.00			4440.00		
Perforations	11.00			4451.00		
Recorder	0.00	8675	Inside	4451.00		
Recorder	0.00	8650	Outside	4451.00		
Change Over Sub	1.00			4452.00		
Drill Pipe	93.00			4545.00		
Change Over Sub	1.00			4546.00		
Perforations	10.00			4556.00		
Blank Off Sub	1.00			4557.00		
Top of Straddle Packer	3.00			4560.00	121.00	Tool Interval
Packer	1.00			4561.00		
Stubb	1.00			4562.00		
Perforations	4.00			4566.00		
Change Over Sub	1.00			4567.00		
Drill Pipe	62.00			4629.00		
Change Over Sub	1.00			4630.00		
Recorder	0.00	6672	Below	4630.00		
Bullnose	3.00			4633.00	73.00	Bottom Packers & Anchor
Total Tool Length:		221.50				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc
4924 SE 84th ST
New ton KS, 67114-8827
ATTN: Ryan Seib

25-17s-27w Lane,KS
Twella BG #1
Job Ticket: 58529 **DST#: 5**
Test Start: 2015.01.31 @ 15:12:00

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
326.00	100%Mud w ith oil spots	3.478

Total Length: 326.00 ft Total Volume: 3.478 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8675

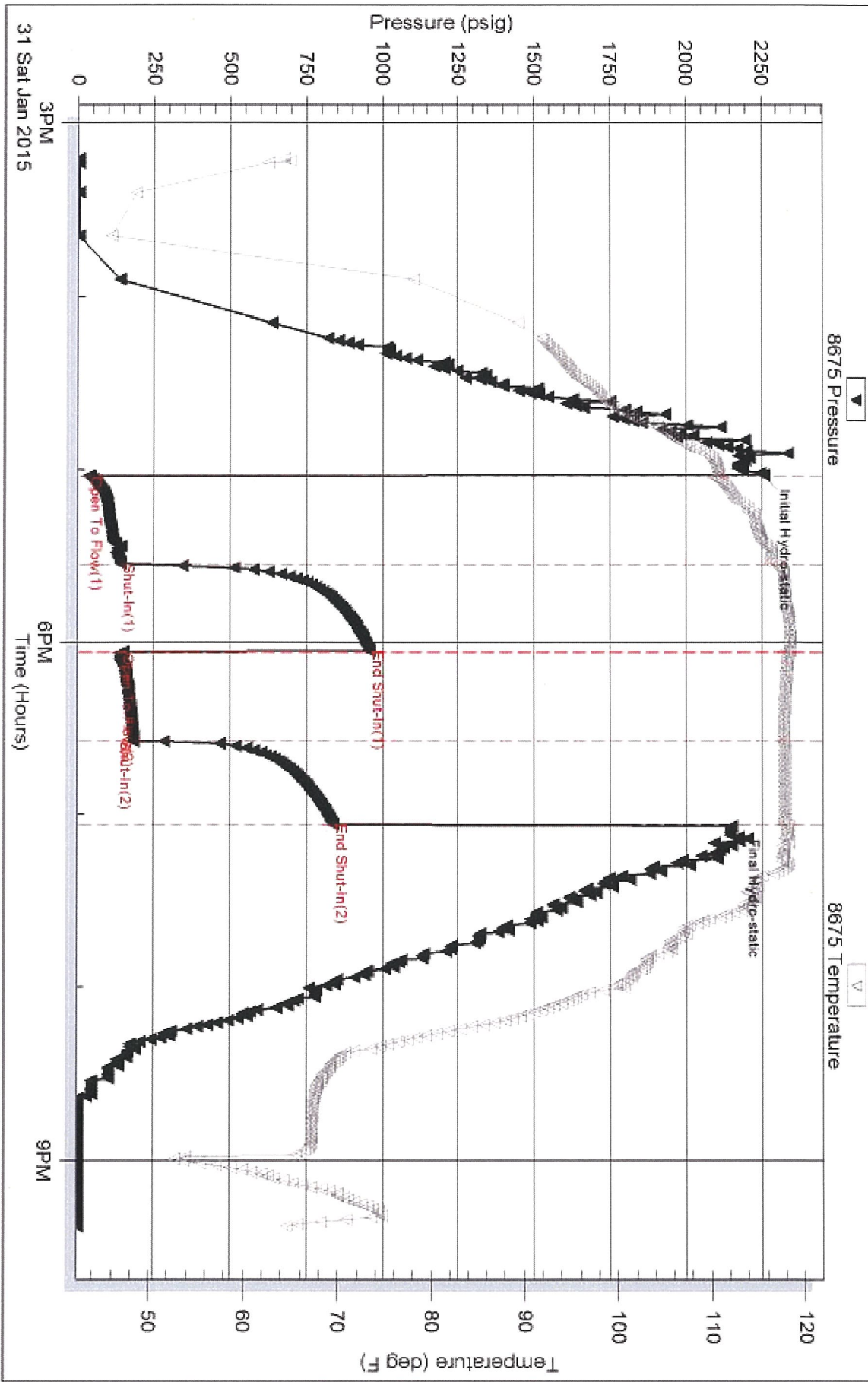
Inside

Palomino Petroleum, Inc

Twella BG #1

DST Test Number: 5

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 58529

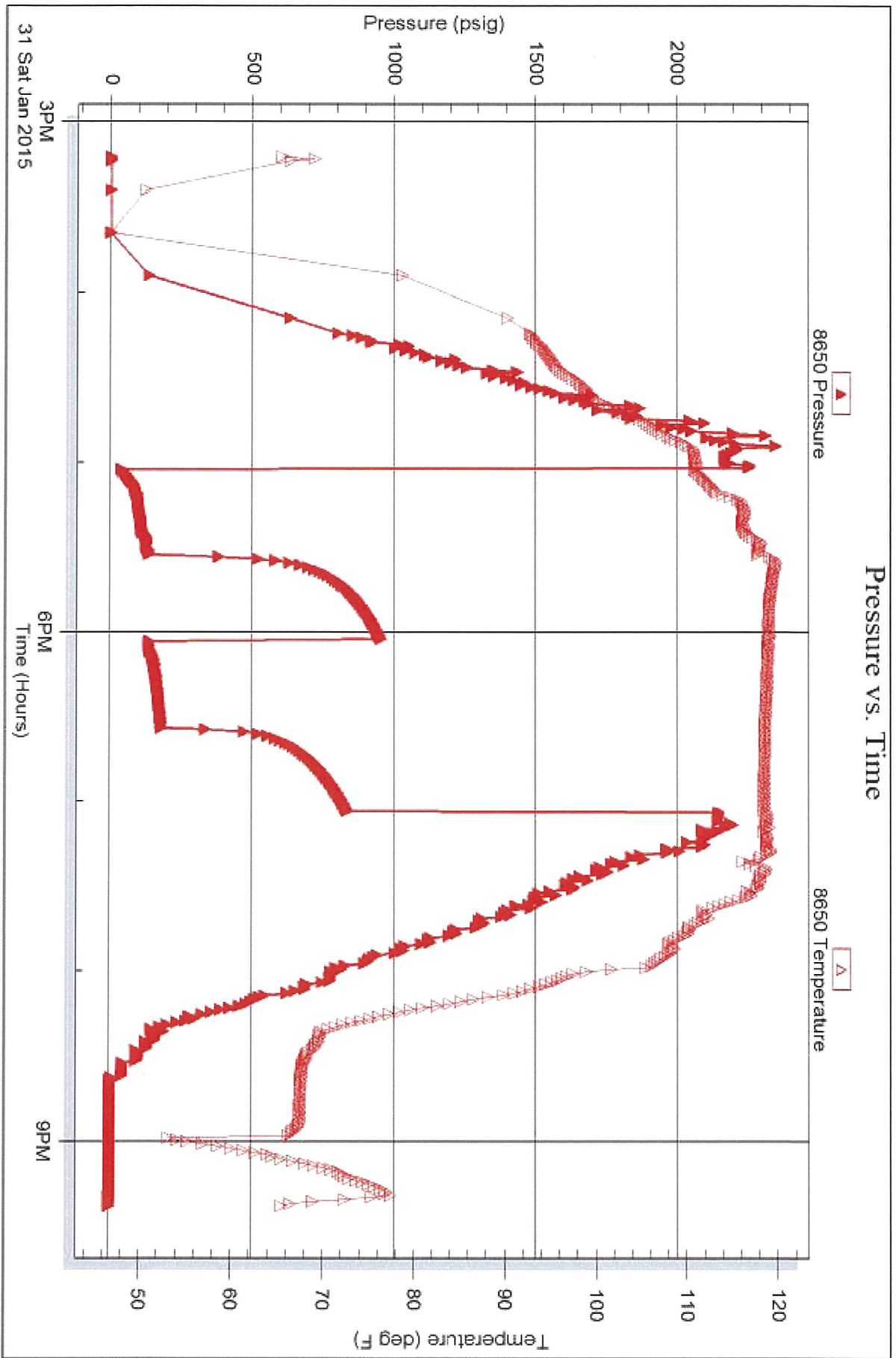
Printed 2015.02.02 @ 16:51:26

Serial #: 8650

Outside Palomino Petroleum, Inc

Twella BG #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 58529

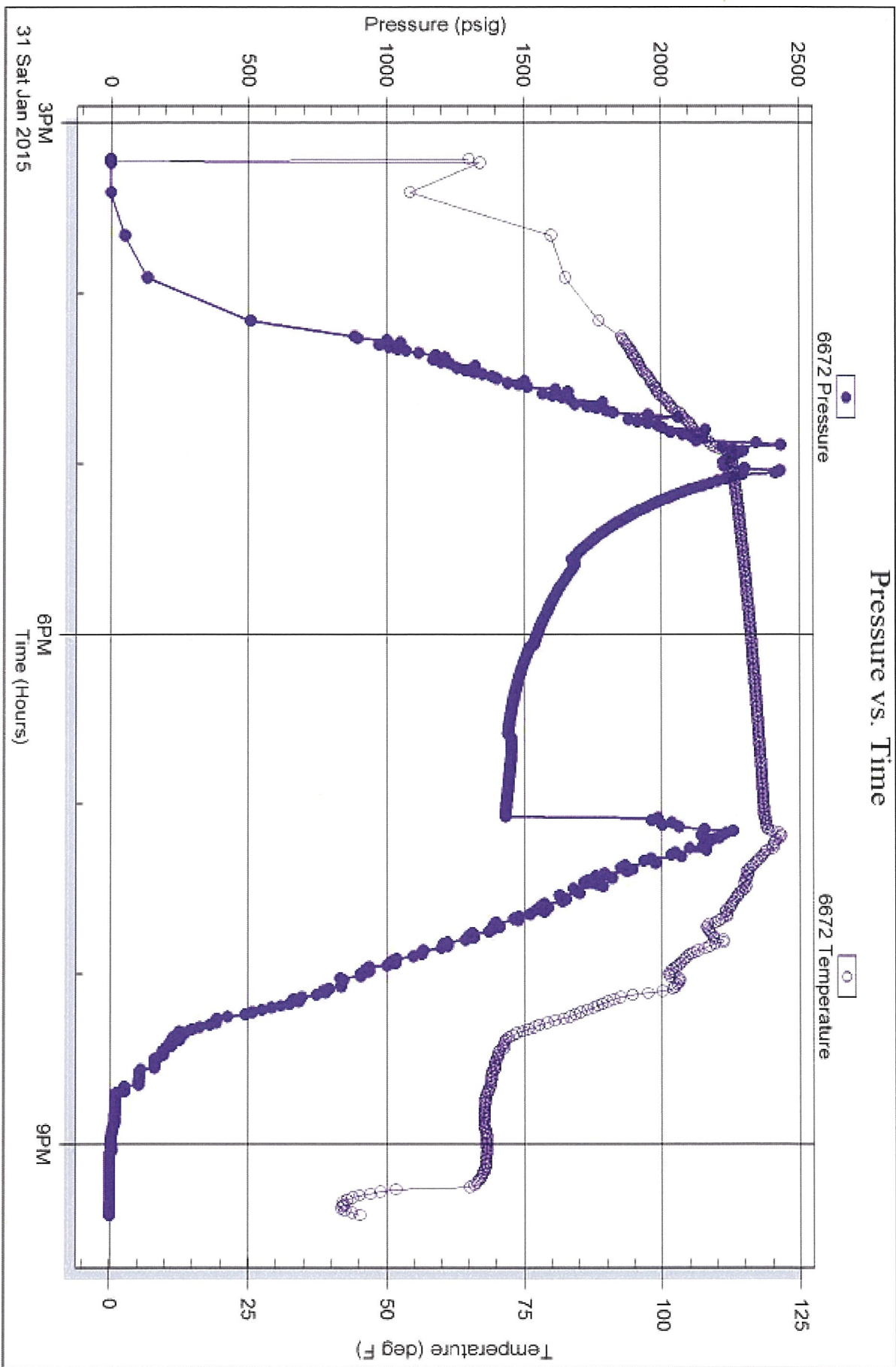
Printed 2015.02.02 @ 16:51:26

Serial #: 6672

Below (Strathairn) Petroleum, Inc

Twella BG#1

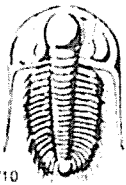
DST Test Number: 5



Triobite Testing, Inc

Ref. No: 58529

Printed: 2015 02 02 @ 16:51:27



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58525

Well Name & No. Twella BG # 1 Test No. 1 Date 1/28/15
 Company Palomino Petroleum, Inc. Elevation 2580 KB 2574 GL
 Address 4924 SE 84th ST Newton KS, 67114-8824
 Co. Rep / Geo. Ryan Seib Rig WW Rig 8
 Location: Sec. 25 Twp. 17s Rge. 27w Co. Lane County State KS

Interval Tested 4050-4115 Zone Tested Kansas City "H-I"
 Anchor Length 65 Drill Pipe Run 3916.26 Mud Wt. 8.8
 Top Packer Depth 4046 Drill Collars Run 120.15 Vis 6.1
 Bottom Packer Depth 4050 Wt. Pipe Run WL 6.0
 Total Depth 4115 Chlorides 2,400 ppm System LCM 2 #

Blow Description Built to 1 1/2" below
Bled off for 3 min. No return below
Built to 1/4" died in 30 min.
Bled off for 3 min. No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud</u>			<u>100</u>	

Rec Total 30 BHT 110 Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic <u>1,999</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>00:30</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>03:00</u>
(C) First Final Flow <u>35</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>06:05</u>
(D) Initial Shut-In <u>1,014</u>	<input checked="" type="checkbox"/> Circ Sub <u>n/c</u>	T-Pulled <u>07:05</u>
(E) Second Initial Flow <u>37</u>	<input type="checkbox"/> Hourly Standby <u> </u>	T-Out <u>08:44</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>80</u>	Comments <u> </u>
(G) Final Shut-In <u>979</u>	<input type="checkbox"/> Sampler <u> </u>	
(H) Final Hydrostatic <u>1,919</u>	<input type="checkbox"/> Straddle <u> </u>	<input type="checkbox"/> Ruined Shale Packer <u> </u>
	<input type="checkbox"/> Shale Packer <u> </u>	<input type="checkbox"/> Ruined Packer <u> </u>
	<input type="checkbox"/> Extra Packer <u> </u>	<input type="checkbox"/> Extra Copies <u> </u>

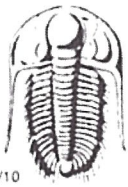
Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 0
 Total 1555
 MP/DST Disc't

Sub Total 1555

Approved By Our Representative

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. 58526

Well Name & No. Twella BB #1 Test No. 2 Date 1/28/15
 Company Palomino Petroleum, Inc. Elevation 2580 KB 2574 GL
 Address 4924 SE 84th St, Newton KS, 67114-8824
 Co. Rep / Geo. Ryan Seile Rig WW Rig 8
 Location: Sec. 25 Twp. 17s Rge. 27w Co. Lane County State KS

Interval Tested 4106-4195 Zone Tested Kansas City 'JHK'
 Anchor Length 89 Drill Pipe Run 3979.29 Mud Wt. 9.0
 Top Packer Depth 4102 Drill Collars Run 120.15 Vis 67
 Bottom Packer Depth 4106 Wt. Pipe Run _____ WL 600
 Total Depth 4195 Chlorides 3,200 ppm System LCM 2#

Blow Description Built to 1" below
Bled off for 3 min. no return below

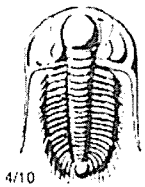
No below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</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 30 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2,027</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>18:00</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:35</u>
(C) First Final Flow <u>31</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:26</u>
(D) Initial Shut-In <u>723</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>22:26</u>
(E) Second Initial Flow <u>32</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>00:10</u>
(F) Second Final Flow <u>37</u>	<input checked="" type="checkbox"/> Mileage <u>80 RT</u> <u>80</u>	Comments _____
(G) Final Shut-In <u>685</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1,935</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1555</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1555</u>	

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58527

Well Name & No. Twella BG # 1 Test No. 3 Date 1/29/15
 Company Palomino Petroleum, Inc Elevation 2580 KB 2574 GL
 Address 4924 SE 84th ST, Newton KS, 67114-8824
 Co. Rep / Geo. Ryan Seile Rig WW Rig 8
 Location: Sec. 25 Twp. M3 Rge. 27w Co. Lane County State KS

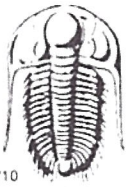
Interval Tested 4182-4250 Zone Tested Kansas City & Pleasanton
 Anchor Length 68 Drill Pipe Run 4039.65 Mud Wt. 9.2
 Top Packer Depth 4178 Drill Collars Run 120.15 Vis 53
 Bottom Packer Depth 4182 Wt. Pipe Run WL 6.4
 Total Depth 4250 Chlorides 3,200 ppm System LCM 2 #

Blow Description Built to 8 1/4" below
No return below
Built to 5 1/4" below
Weak surface return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Clean Oil</u>	<u>100</u>			
<u>35</u>	<u>OCM</u>	<u>2</u>		<u>98</u>	
<u>60</u>	<u>wcm with oil skum</u>		<u>10</u>	<u>90</u>	
<u>60</u>	<u>wcm with oil skum</u>		<u>50</u>	<u>50</u>	

Rec Total 140 BHT 109 Gravity API RW 32 @ 50 °F Chlorides 30,000 ppm
 (A) Initial Hydrostatic 2,081 Test 1150 T-On Location 07:40
 (B) First Initial Flow 25 Jars 250 T-Started 08:50
 (C) First Final Flow 78 Safety Joint 75 T-Open 10:27
 (D) Initial Shut-In 359 Circ Sub w/c T-Pulled 12:27
 (E) Second Initial Flow 83 Hourly Standby T-Out 14:23
 (F) Second Final Flow 94 Mileage 80 RT 80 Comments
 (G) Final Shut-In 353 Sampler
 (H) Final Hydrostatic 1,981 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 1555
 Final Flow 30 Accessibility MP/DST Disc't
 Final Shut-In 30 Sub Total 1555

Approved By Our Representative
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58528

4/10

Well Name & No. Twella BG # 1 Test No. 4 Date 1/30/15
 Company Palomino Petroleum, Inc. Elevation 2580 KB 2574 GL
 Address 4924 SE 84th St Newton KS 67114-8827
 Co. Rep / Geo. Ryan Seilo Rig WW Rig B
 Location: Sec. 25 Twp. 17s Rge. 27w Co. Lane County State KS

Interval Tested 4217-4445 Zone Tested Marmaton, Pawnee, Fort Scott
 Anchor Length 228 Drill Pipe Run 4102.67 Mud Wt. 9.4
 Top Packer Depth 4213 Drill Collars Run 120.15 Vis 5.3
 Bottom Packer Depth 4217 Wt. Pipe Run _____ WL 8.4
 Total Depth 4445 Chlorides 2,600 ppm System LCM 2#

Blow Description Built to 1 1/2" below
No return below
Weak surface, died in 20 mins
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</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 30 BHT 107 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2,110 Test 1150 T-On Location 10:00
 (B) First Initial Flow 32 Jars 250 T-Started 13:30
 (C) First Final Flow 38 Safety Joint 75 T-Open 15:13
 (D) Initial Shut-In 379 Circ Sub N/C T-Pulled 17:13
 (E) Second Initial Flow 40 Hourly Standby 2 hours T-Out 18:56
 (F) Second Final Flow 43 Mileage 80 RT 80 Comments Had to short trip
 (G) Final Shut-In 279 Sampler _____ and didn't say anything
 (H) Final Hydrostatic 2,043 Straddle _____ until I was on location

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 30 Extra Recorder _____
 Sub Total 0
 Total 1555
 MP/DST Disc't _____
 Sub Total 1555

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58529

Well Name & No. Twella BG # 1 Test No. 5 Date 1/31/15
 Company Palomino Petroleum, Inc. Elevation 2580 KB 2574 GL
 Address 4924 SE 84th St Newton KS, 67114-8827
 Co. Rep / Geo. Ryan Seib Rig WW Rig 8
 Location: Sec. 25 Twp. 17s Rge. 27w Co. Lane County State KS

Interval Tested 4439-4560 Tail Pipe Zone Tested Johnson Zone & Mississippian
 Anchor Length 121' 72' Drill Pipe Run 4330.98 Mud Wt. 9.4
 Top Packer Depth 4435 Drill Collars Run 120.15 Vis 55
 Bottom Packer Depth 4439 Wt. Pipe Run _____ WL 8.0
 Total Depth 4560 4632 Chlorides 2,800 ppm System LCM 2#

Blow Description B.O.B. in 24 1/2 min.
Bled off for 5 min. No return below
Built to 7" below

Bled off for 5 min. No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>326</u>	<u>Mud with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 326 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2,258</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>15:00</u>
(B) First Initial Flow <u>36</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:12</u>
(C) First Final Flow <u>141</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>17:04</u>
(D) Initial Shut-In <u>959</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>19:04</u>
(E) Second Initial Flow <u>139</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:23</u>
(F) Second Final Flow <u>185</u>	<input checked="" type="checkbox"/> Mileage <u>80 RT</u> 80	Comments _____
(G) Final Shut-In <u>838</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2,152</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>2405</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>2405</u>	

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.