



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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				

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

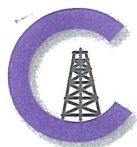
TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Wolf 1
Doc ID	1146502

Tops

Name	Top	Datum
Kansas City	2333	(- 983)
BKC	2496	(-1146)
Marmaton	2564	(-1214)
Ft. Scott	2730	(-1380)
Miss.	2792	(-1442)
Kinderhookian	3063	(-1713)
Misener Sand	3116	(-1766)
Hunton Dolo.	3126	(-1776)
St. Peter Sand	3210	(-1860)
Arbuckle	3220	(-1870)
LTD	3290	(-1940)



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

RECEIVED

MAY 24 2013

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 259031

Invoice Date: 05/22/2013 Terms: 0/0/30,n/30

Page 1

PALOMINO PETROLEUM, INC.  
4924 SE 84TH STREET  
NEWTON KS 67114-8827  
( ) -

WOLF #1  
41712  
33-26S-3E  
05-20-13  
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	140.00	13.1800	1845.20
1118B	PREMIUM GEL / BENTONITE	480.00	.2200	105.60

Description	Hours	Unit Price	Total
445 P & A NEW WELL	1.00	1085.00	1085.00
445 EQUIPMENT MILEAGE (ONE WAY)	35.00	4.20	147.00
667 MIN. BULK DELIVERY	1.00	368.00	368.00

Parts:	1950.80	Freight:	.00	Tax:	127.78	AR	3678.58
Labor:	.00	Misc:	.00	Total:	3678.58		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OI 918/225-2650



**CONSOLIDATED**  
Oil Well Services, LLC

*Jh by*

API# 15-015-23981

TICKET NUMBER 41712

LOCATION Eureka

FOREMAN Rick Ledford

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-20-13	6285	Wolf # 1	33	26s	3E	Butler
CUSTOMER Palomino Petroleum Inc.			C&G Orla			
MAILING ADDRESS 4924 SE 84th St.			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Newton			445	John		
STATE KS			467	Chris B.		
ZIP CODE 67114						

JOB TYPE P.T.A 0 HOLE SIZE 7 7/8" HOLE DEPTH 3290' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14# SLURRY VOL \_\_\_\_\_ WATER gal/sk 7.0 CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting - Rig up to drill pipe. Plugging orders as follows:

35 sks @ 3/25'

35 sks @ 260'

25 sks @ 60'

25 sks @ ratbale

20 sks @ mousehole

140 sks Total

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
540511	1	PUMP CHARGE	1085.00	1085.00
5406	35	MILEAGE	4.20	147.00
1131	140 sks	60/40 Pozmix cement	13.18	1845.20
1118B	480#	470a gel	.22	105.60
5407	6.02	607 mileage back truck	m/l	368.00
<b>ENTERED</b>				
			subtotal	3550.80
			SALES TAX <u>6.55%</u>	127.78
			ESTIMATED TOTAL	3678.58

Ravin 3737

AUTHORIZATION \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

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

RECEIVED



**CONSOLIDATED**  
Oil Well Services, LLC

MAY 22 2013

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 258882

Invoice Date: 05/20/2013 Terms: 0/0/30,n/30

Page 1

PALOMINO PETROLEUM, INC.  
4924 SE 84TH STREET  
NEWTON KS 67114-8827  
( ) -

WOLF #1  
41580  
33-26S-3E  
05-13-13  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	140.00	15.7000	2198.00
1102	CALCIUM CHLORIDE (50#)	395.00	.7800	308.10
1118B	PREMIUM GEL / BENTONITE	265.00	.2200	58.30
1107	FLO-SEAL (25#)	35.00	2.4700	86.45

Description	Hours	Unit Price	Total
445 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
445 EQUIPMENT MILEAGE (ONE WAY)	35.00	4.20	147.00
667 MIN. BULK DELIVERY	1.00	368.00	368.00

=====  
Parts: 2650.85 Freight: .00 Tax: 173.63 AR 4209.48  
Labor: .00 Misc: .00 Total: 4209.48  
Sublt: .00 Supplies: .00 Change: .00  
=====

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 41580

LOCATION Eureka KS

FOREMAN Shannon Feck

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

**FIELD TICKET & TREATMENT REPORT**

**CEMENT API # 15-015-23981**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-13-13	6285	Wolf #1	33	26 S	3 E	Butler KS
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Palomino Petroleum, Inc			445	Dave G		
MAILING ADDRESS			667	Chris B		
4924 SE 84th St						
CITY	STATE	ZIP CODE				
Newton	KS	67114				

JOB TYPE S/P HOLE SIZE 12 1/4" HOLE DEPTH 220' CASING SIZE & WEIGHT 8 5/8" 23#  
 CASING DEPTH 210.00" 6L DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5-15# SLURRY VOL \_\_\_\_\_ WATER gal/sk 6.40 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12.9 Bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE Displace @ 5BPM

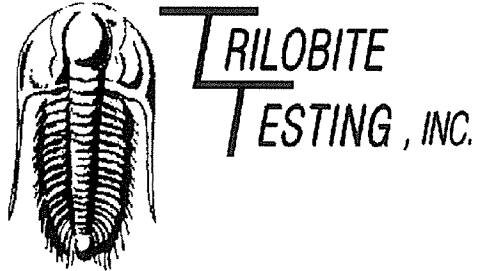
REMARKS: Safety Meeting, Rig up to 8 5/8" casing, Break circulation w/ 5 Bbl H2O, mixed 140 SKS Class "A" cement w/ 3% calcium, 2% gel & 1/4 # floe/sk @ 14.5-15 #/gal. Displace w/ 12.9 Bbl H2O + shut casing in. Good circulation @ all times 8 Bbl slurry to pit Job complete.

"Thanks Shannon & crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	870.00	870.00
5406	35	MILEAGE	4.20	147.00
11045	140 SKS	Class "A" cement	15.70	2198.00
1102	395 #	Calcium @ 3%	.78	308.10
1118B	265 #	Gel @ 2%	.22	58.30
1107	35 #	Floer @ 1/4 #/sk	2.47	86.45
5407	6.58 Tons	Ton mileage bulk Truck	m/c	368.00
			Sub Total	4035.85
			SALES TAX 6.55%	173.63
			ESTIMATED TOTAL	4209.48

AUTHORIZATION Dale Coulter TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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



## DRILL STEM TEST REPORT

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

4924 SE 84th Street  
Newton, KS 67114-8827

ATTN: Klee Watchous

**Wolf #1**

**33-26S-3E Butler,KS**

Start Date: 2013.05.16 @ 10:54:00

End Date: 2013.05.16 @ 16:32:45

Job Ticket #: 52315                      DST #: 1

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

Printed: 2013.05.24 @ 11:23:22





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
4924 SE 84th Street  
Newton, KS 67114-8827  
ATTN: Klee Watchous

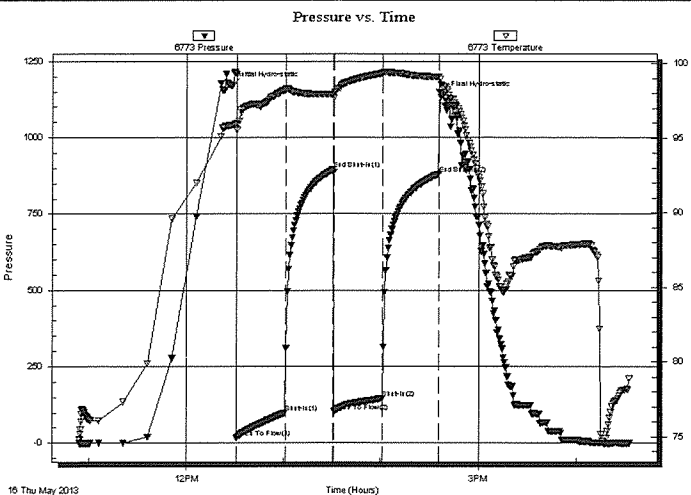
**33-26S-3E Butler, KS**  
**Wolf #1**  
Job Ticket: 52315      **DST#: 1**  
Test Start: 2013.05.16 @ 10:54:00

### GENERAL INFORMATION:

Formation: **Hertha**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 12:31:00  
Time Test Ended: 16:32:45  
Interval: **2466.00 ft (KB) To 2511.00 ft (KB) (TVD)**  
Total Depth: 2511.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 47  
Reference Elevations: 1350.00 ft (KB)  
1341.00 ft (CF)  
KB to GR/CF: 9.00 ft

**Serial #: 6773      Outside**  
Press@RunDepth: 146.58 psig @ 2467.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.05.16      End Date: 2013.05.16      Last Calib.: 2013.05.16  
Start Time: 10:54:05      End Time: 16:32:44      Time On Btm: 2013.05.16 @ 12:27:45  
Time Off Btm: 2013.05.16 @ 14:38:30

**TEST COMMENT:** Weak blow building to strong blow 29 minutes into initial flow period.  
Weak blow building to 9" final flow period.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1172.03	95.88	Initial Hydro-static
4	17.18	95.57	Open To Flow (1)
34	99.44	98.25	Shut-In(1)
63	896.03	97.95	End Shut-In(1)
64	103.19	97.69	Open To Flow (2)
94	146.58	99.37	Shut-In(2)
128	881.45	99.13	End Shut-In(2)
131	1138.70	98.49	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
295.00	Heavy mud cut w water 73%w 27%m	1.94

### Gas Rates

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



DRILL STEM TEST REPORT

Palomino Petroleum, Inc.
4924 SE 84th Street
New ton, KS 67114-8827
ATTN: Klee Watchous

33-26S-3E Butler,KS
Wolf #1
Job Ticket: 52315 DST#: 1
Test Start: 2013.05.16 @ 10:54:00

GENERAL INFORMATION:

Formation: Hertha
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:31:00
Time Test Ended: 16:32:45
Interval: 2466.00 ft (KB) To 2511.00 ft (KB) (TVD)
Total Depth: 2511.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 47
Reference Elevations: 1350.00 ft (KB)
1341.00 ft (CF)
KB to GR/CF: 9.00 ft

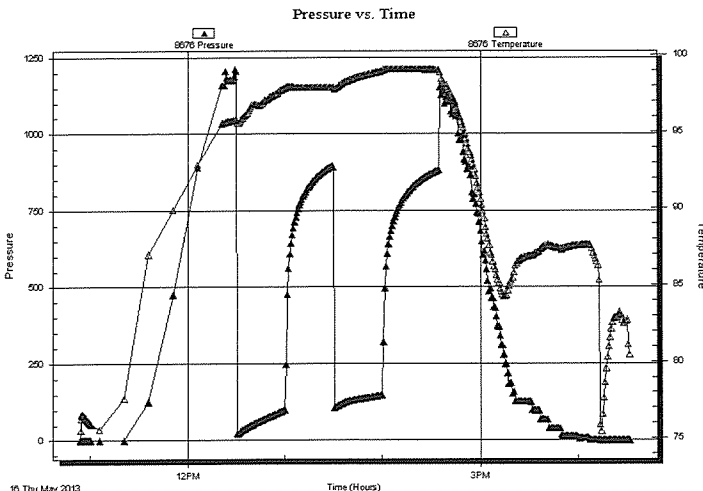
Serial #: 8676

Inside

Press@RunDepth: psig @ 2467.00 ft (KB)
Start Date: 2013.05.16 End Date: 2013.05.16
Start Time: 10:54:05 End Time: 16:31:29

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: Weak blow building to strong blow 29 minutes into initial flow period.
Weak blow building to 9" final flow period.



PRESSURE SUMMARY

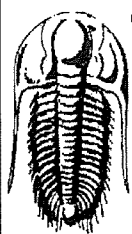
Table with 4 columns: Time (Min.), Pressure (psig), Temp (deg F), Annotation

Recovery

Table with 3 columns: Length (ft), Description, Volume (bbl). Row 1: 295.00, Heavy mud cut w ater 73%w 27%m, 1.94

Gas Rates

Table with 4 columns: Choke (inches), Pressure (psig), Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Palomino Petroleum, Inc.  
4924 SE 84th Street  
Newton, KS 67114-8827  
ATTN: Klee Watchous

**33-26S-3E Butler,KS**  
**Wolf #1**  
Job Ticket: 52315      **DST#: 1**  
Test Start: 2013.05.16 @ 10:54:00

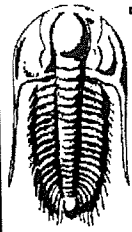
**Tool Information**

Drill Pipe:	Length: 2203.00 ft	Diameter: 3.80 inches	Volume: 30.90 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 21000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 41000.00 lb
			<u>Total Volume: 32.09 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2466.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2441.00	
Shut In Tool	5.00			2446.00	
Hydraulic tool	5.00			2451.00	
Jars	4.00			2455.00	
Safety Joint	2.00			2457.00	
Packer	5.00			2462.00	26.00      Bottom Of Top Packer
Packer	4.00			2466.00	
Stubb	1.00			2467.00	
Recorder	0.00	6773	Outside	2467.00	
Recorder	0.00	8676	Inside	2467.00	
Perforations	9.00			2476.00	
Change Over Sub	0.50			2476.50	
Blank Spacing	31.00			2507.50	
Change Over Sub	0.50			2508.00	
Bullnose	3.00			2511.00	45.00      Bottom Packers & Anchor

**Total Tool Length: 71.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.  
4924 SE 84th Street  
New ton, KS 67114-8827  
  
ATTN: Klee Watchous

**33-26S-3E Butler,KS**  
  
**Wolf #1**  
Job Ticket: 52315      **DST#: 1**  
  
Test Start: 2013.05.16 @ 10:54:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 8.78 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 1500.00 ppm  
Filter Cake: inches

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

Oil API: deg API  
Water Salinity: 70000 ppm

## Recovery Information

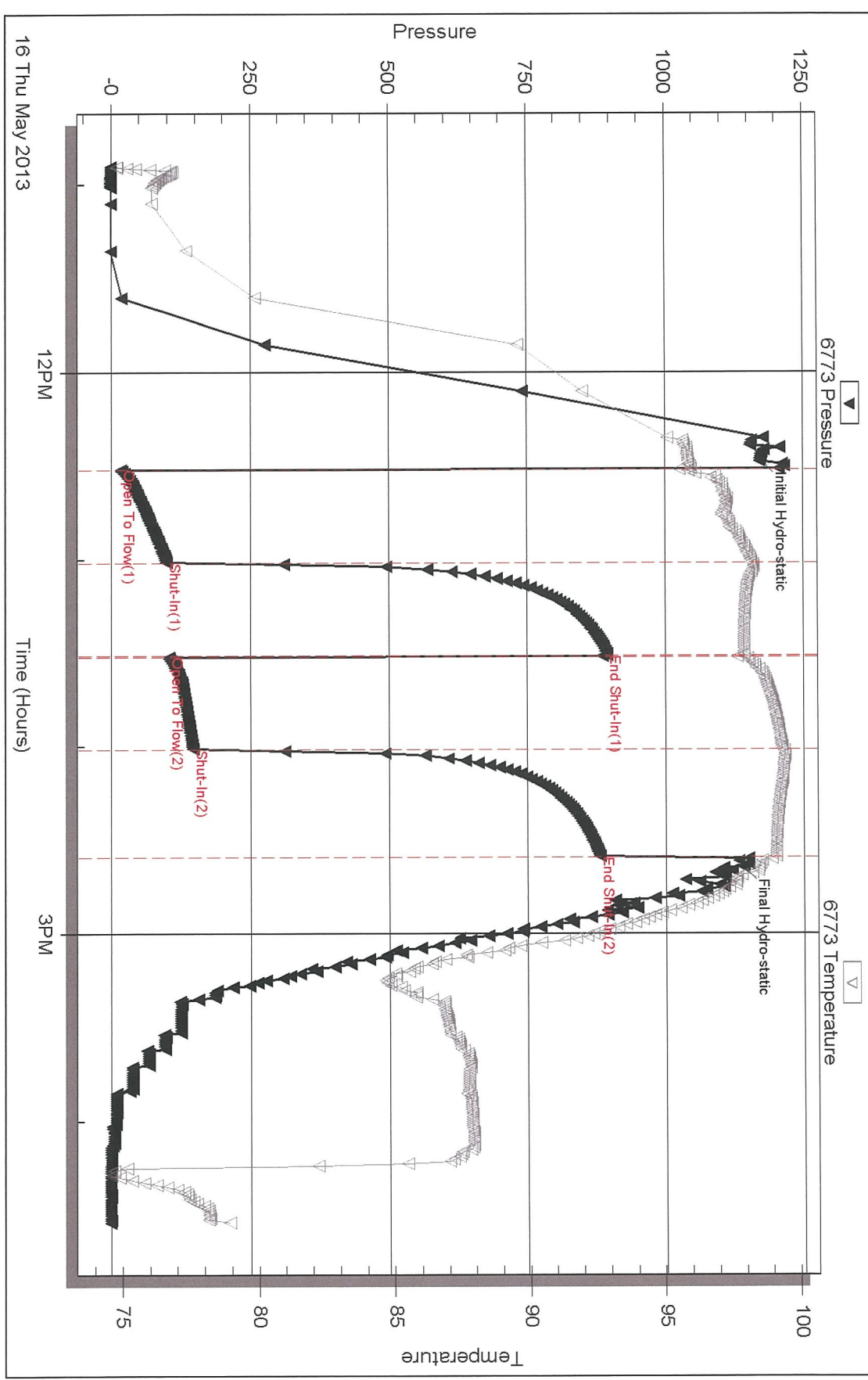
Recovery Table

Length ft	Description	Volume bbl
295.00	Heavy mud cut w ater 73%w 27%m	1.943

Total Length: 295.00 ft      Total Volume: 1.943 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

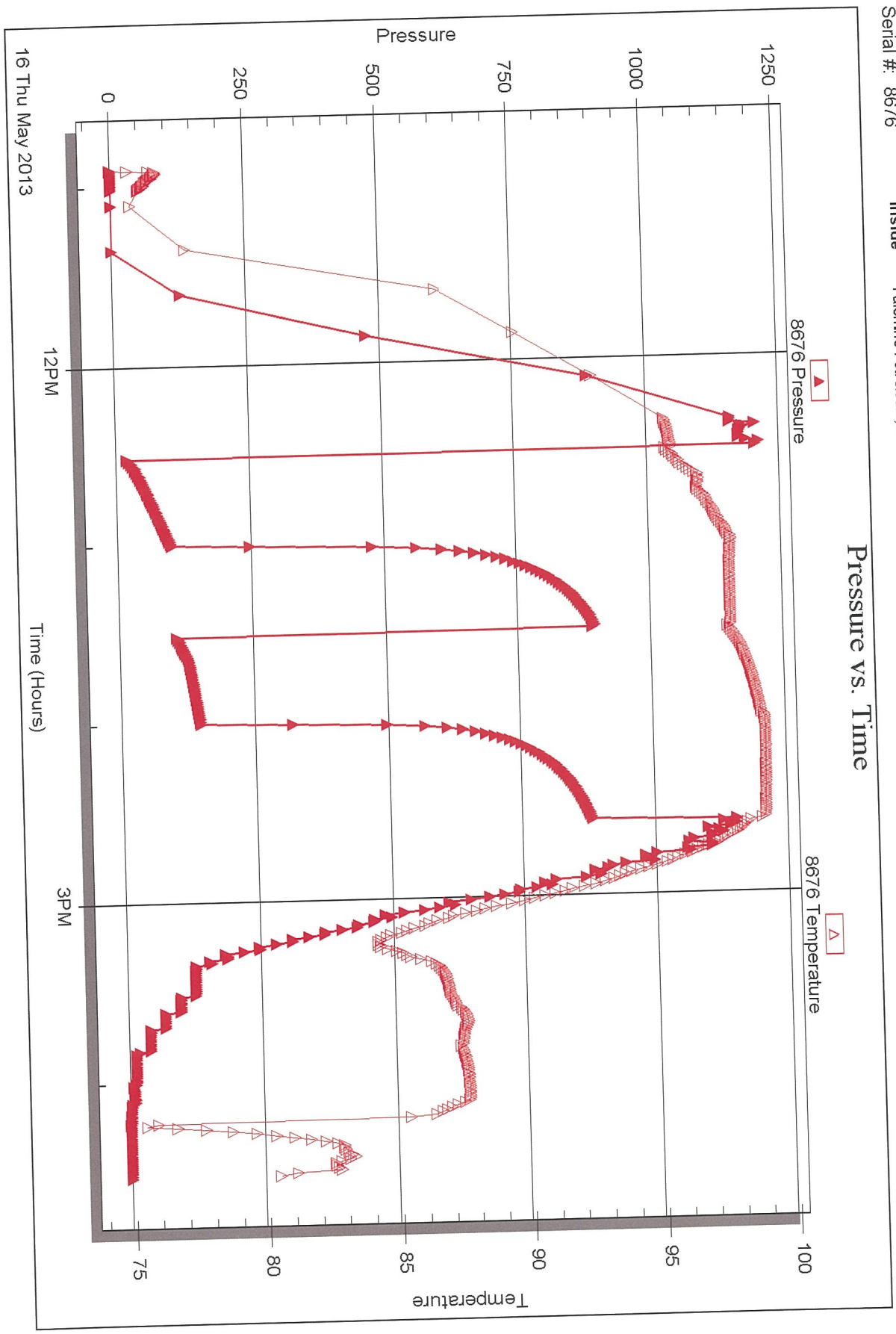
### Pressure vs. Time



Serial #: 8676 Inside Palomino Petroleum, Inc.

Wolf #1

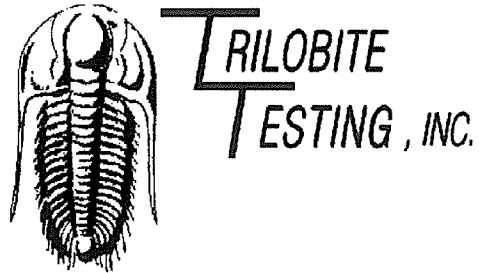
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52315

Printed: 2013.05.24 @ 11:23:25



## DRILL STEM TEST REPORT

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

4924 SE 84th Street  
Newton, KS 67114-8827

ATTN: Klee Watchous

**Wolf #1**

**33-26S-3E Butler,KS**

Start Date: 2013.05.17 @ 11:22:00

End Date: 2013.05.17 @ 16:57:00

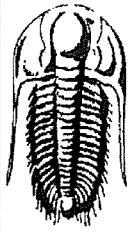
Job Ticket #: 52316                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.24 @ 11:22:05



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
4924 SE 84th Street  
Newton, KS 67114-8827  
ATTN: Klee Watchous

**33-26S-3E Butler, KS**  
**Wolf #1**  
Job Ticket: 52316      **DST#: 2**  
Test Start: 2013.05.17 @ 11:22:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 12:50:00  
Time Test Ended: 16:57:00  
Interval: **2796.00 ft (KB) To 2810.00 ft (KB) (TVD)**  
Total Depth: 2810.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 47  
Reference Elevations: 1350.00 ft (KB)  
1341.00 ft (CF)  
KB to GR/CF: 9.00 ft

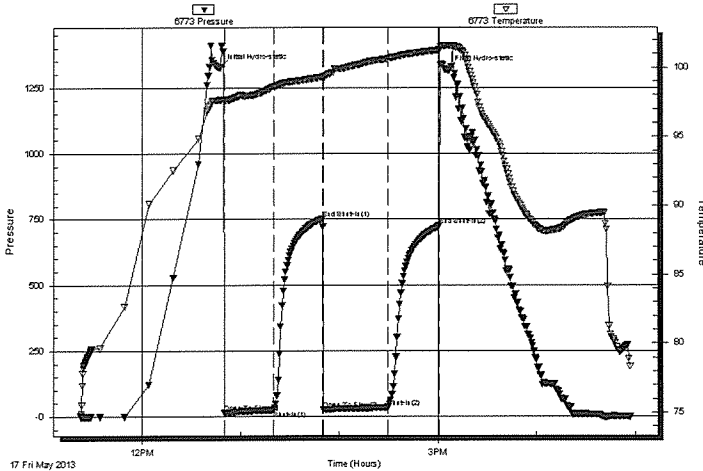
## Serial #: 6773

Outside

Press@RunDepth: 34.90 psig @ 2797.00 ft (KB)  
Start Date: 2013.05.17      End Date: 2013.05.17  
Start Time: 11:22:05      End Time: 16:56:59  
Capacity: 8000.00 psig  
Last Calib.: 2013.05.17  
Time On Btm: 2013.05.17 @ 12:47:45  
Time Off Btm: 2013.05.17 @ 15:06:00

TEST COMMENT: Weak blow building to 1" initial flow period.  
No blow building to 1/2" final flow period.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1327.72	97.63	Initial Hydro-static
3	15.51	97.51	Open To Flow (1)
33	24.54	98.60	Shut-In(1)
62	751.78	99.30	End Shut-In(1)
63	25.86	99.21	Open To Flow (2)
102	34.90	100.64	Shut-In(2)
133	724.46	101.27	End Shut-In(2)
139	1317.02	101.56	Final Hydro-static

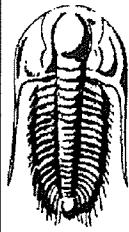
## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Slight oil cut mud 1%o 99% m	0.15

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
4924 SE 84th Street  
Newton, KS 67114-8827  
ATTN: Klee Watchous

**33-26S-3E Butler,KS**  
**Wolf #1**  
Job Ticket: 52316      **DST#: 2**  
Test Start: 2013.05.17 @ 11:22:00

### GENERAL INFORMATION:

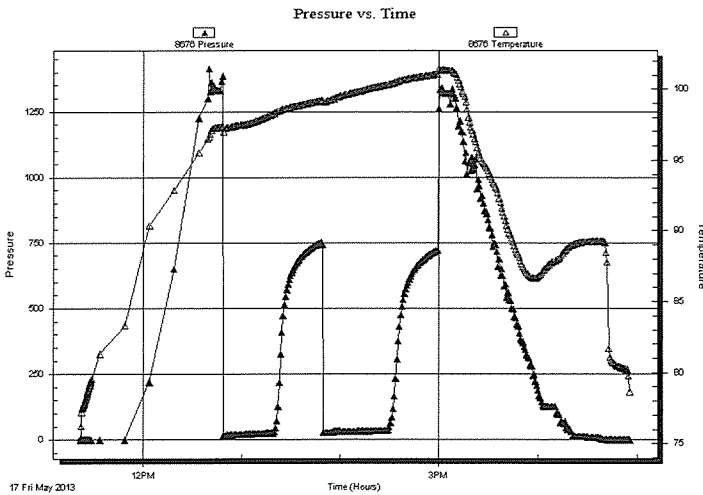
Formation: **Mississippian**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 12:50:00  
Time Test Ended: 16:57:00  
Interval: **2796.00 ft (KB) To 2810.00 ft (KB) (TVD)**  
Total Depth: 2810.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Reference Elevations: 1350.00 ft (KB)  
1341.00 ft (CF)  
KB to GR/CF: 9.00 ft

### Serial #: 8676

Inside

Press@RunDepth:      psig @ 2797.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.05.17      End Date: 2013.05.17      Last Calib.: 1899.12.30  
Start Time: 11:22:05      End Time: 16:55:44      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** Weak blow building to 1" initial flow period.  
No blow building to 1/2" final flow period.



### PRESSURE SUMMARY

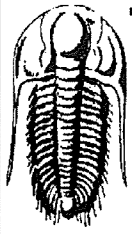
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Slight oil cut mud 1% o 99% m	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 Street  
New ton, KS 67114-8827  
ATTN: Klee Watchous

**33-26S-3E Butler,KS**  
**Wolf #1**  
Job Ticket: 52316      **DST#: 2**  
Test Start: 2013.05.17 @ 11:22:00

### Tool Information

Drill Pipe:	Length: 2549.00 ft	Diameter: 3.80 inches	Volume: 35.76 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 36.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	2796.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2771.00	
Shut In Tool	5.00			2776.00	
Hydraulic tool	5.00			2781.00	
Jars	4.00			2785.00	
Safety Joint	2.00			2787.00	
Packer	5.00			2792.00	26.00      Bottom Of Top Packer
Packer	4.00			2796.00	
Stubb	1.00			2797.00	
Recorder	0.00	6773	Outside	2797.00	
Recorder	0.00	8676	Inside	2797.00	
Perforations	10.00			2807.00	
Bullnose	3.00			2810.00	14.00      Bottom Packers & Anchor

**Total Tool Length: 40.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**33-26S-3E Butler,KS**

4924 SE 84th Street  
New ton, KS 67114-8827

**Wolf #1**

Job Ticket: 52316

**DST#: 2**

ATTN: Klee Watchous

Test Start: 2013.05.17 @ 11:22:00

### 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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Slight oil cut mud 1%o 99%m	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:

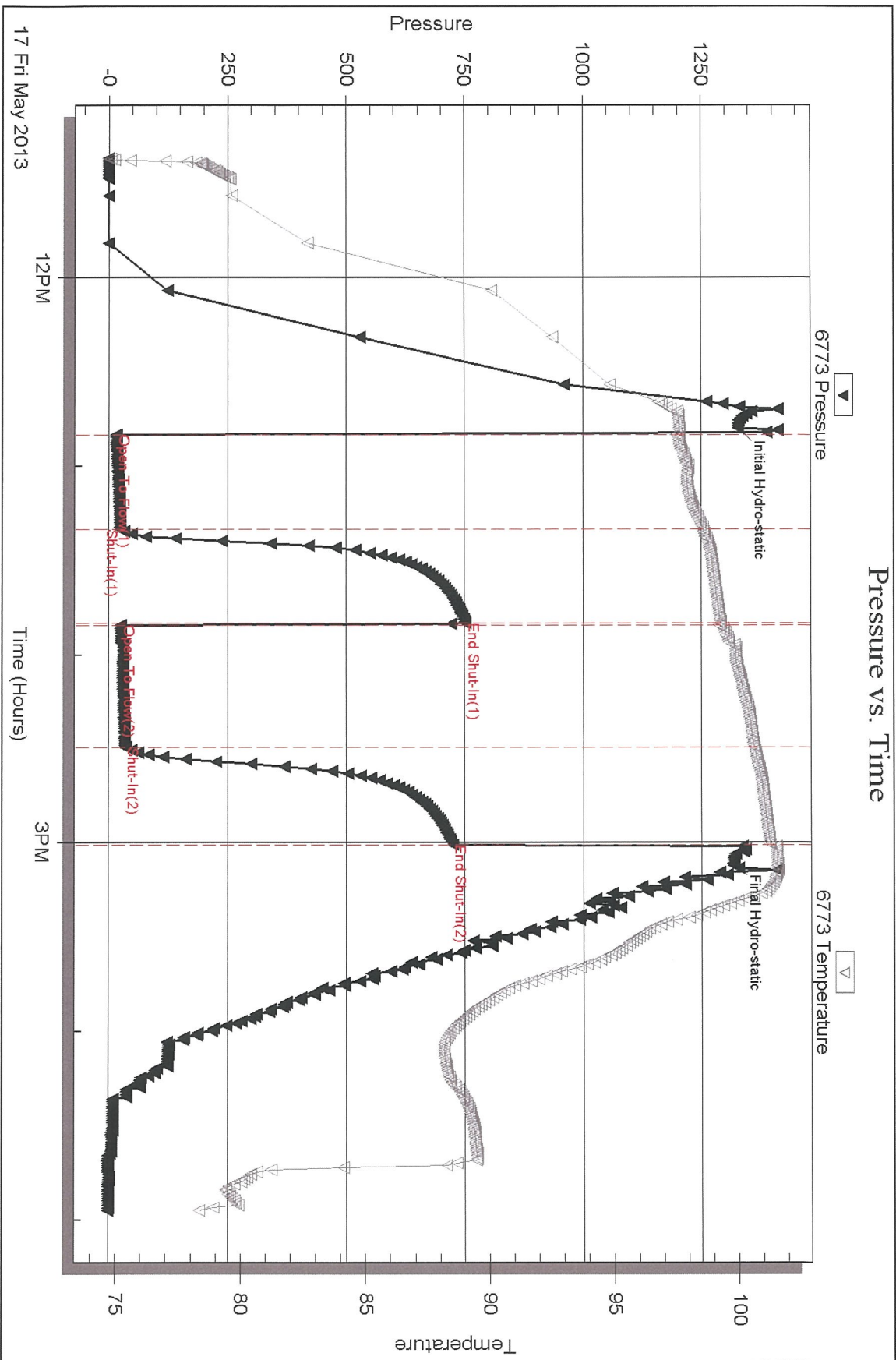
Recovery Comments:

Serial #: 6773

Outside Palomino Petroleum, Inc.

Wolf #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 52316

Printed: 2013.05.24 @ 11:22:08

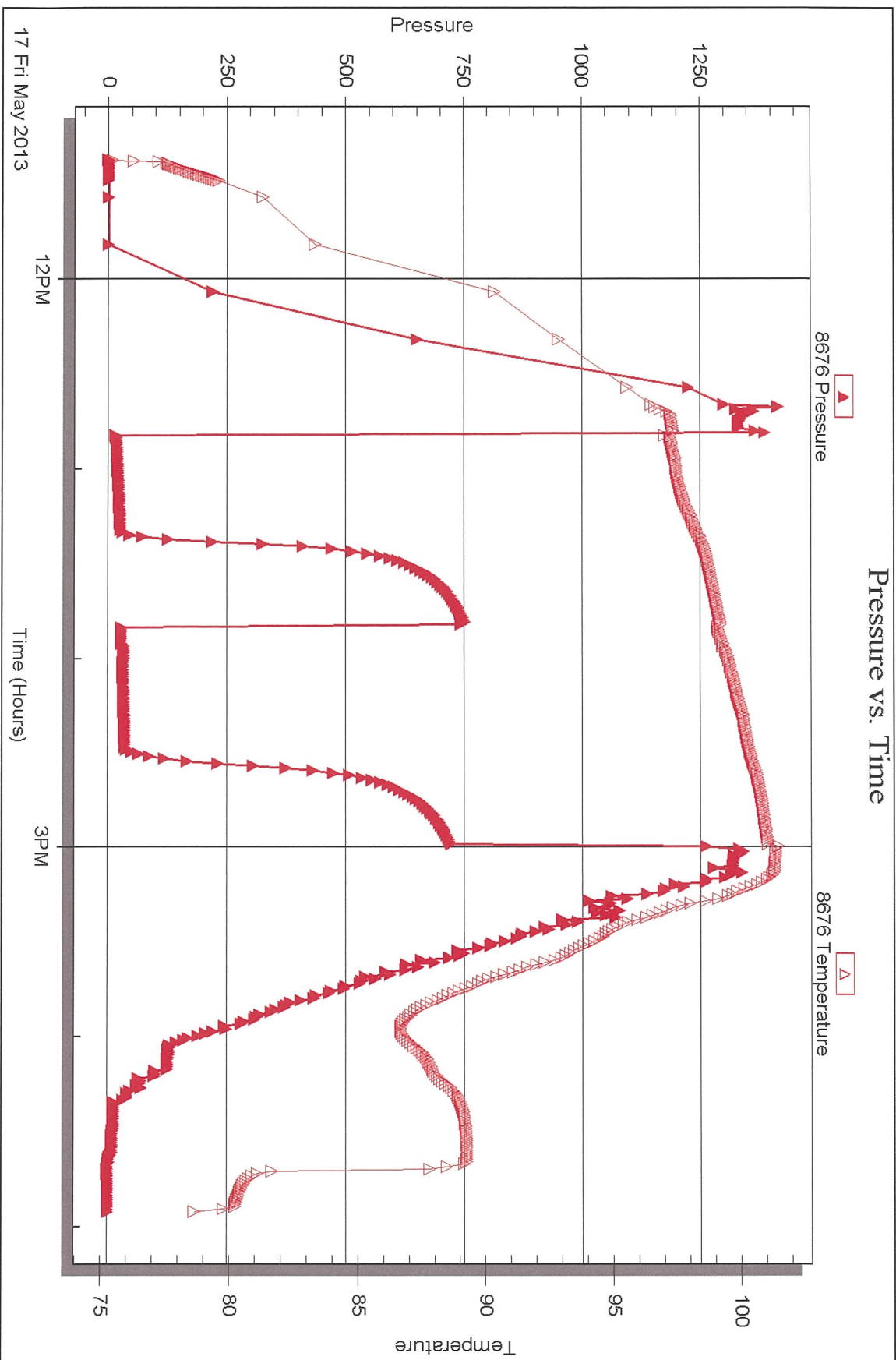
Serial #: 8676

Inside

Palomino Petroleum, Inc.

Wolf #1

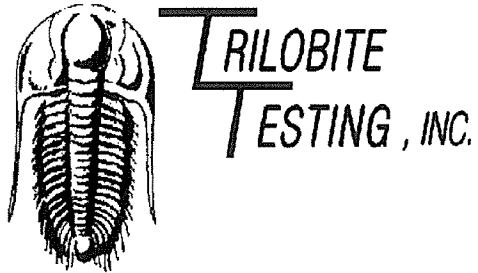
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 52316

Printed: 2013.05.24 @ 11:22:09



## DRILL STEM TEST REPORT

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

4924 SE 84th Street  
Newton, KS 67114-8827

ATTN: Klee Watchous

**Wolf #1**

**33-26S-3E Butler,KS**

Start Date: 2013.05.17 @ 22:25:00

End Date: 2013.05.18 @ 04:26:45

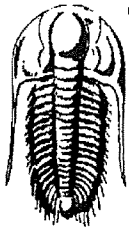
Job Ticket #: 52317                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.24 @ 11:21:21



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
 4924 SE 84th Street  
 Newton, KS 67114-8827  
 ATTN: Klee Watchous

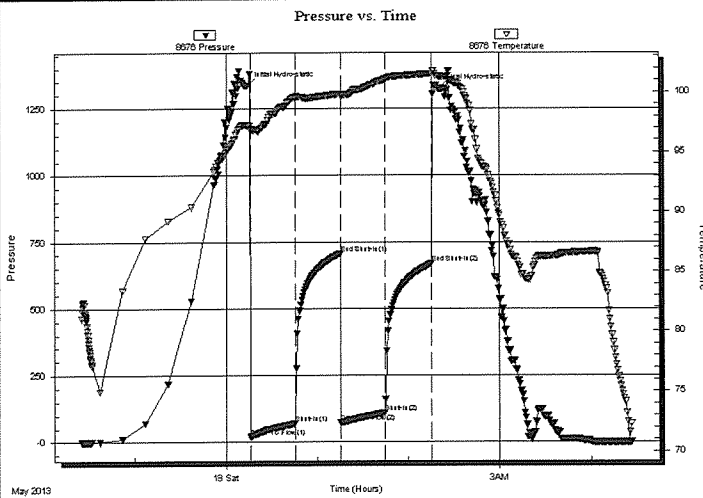
**33-26S-3E Butler, KS**  
**Wolf #1**  
 Job Ticket: 52317      **DST#: 3**  
 Test Start: 2013.05.17 @ 22:25:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 00:16:00  
 Time Test Ended: 04:26:45  
 Interval: **2796.00 ft (KB) To 2823.00 ft (KB) (TVD)**  
 Total Depth: **2823.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches**      Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 47  
 Reference Elevations: 1350.00 ft (KB)  
 1341.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8676      Outside**  
 Press@RunDepth: 109.91 psig @ 2797.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.05.17      End Date: 2013.05.18      Last Calib.: 2013.05.17  
 Start Time: 22:25:05      End Time: 04:26:44      Time On Btm: 2013.05.18 @ 00:14:15  
 Time Off Btm: 2013.05.18 @ 02:20:15

**TEST COMMENT:** Weak blow building to 7" initial flow period.  
 Weak blow building to 5" final flow period.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1337.16	97.19	Initial Hydro-static
2	18.43	96.77	Open To Flow (1)
31	68.94	99.55	Shut-In(1)
61	706.25	99.82	End Shut-In(1)
62	72.00	99.61	Open To Flow (2)
91	109.91	101.08	Shut-In(2)
121	667.95	101.52	End Shut-In(2)
126	1324.71	101.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	Drilling mud	0.37
120.00	Heavy mud cut w ater 76% water & 24% 0.59	

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
4924 SE 84th Street  
Newton, KS 67114-8827  
ATTN: Klee Watchous

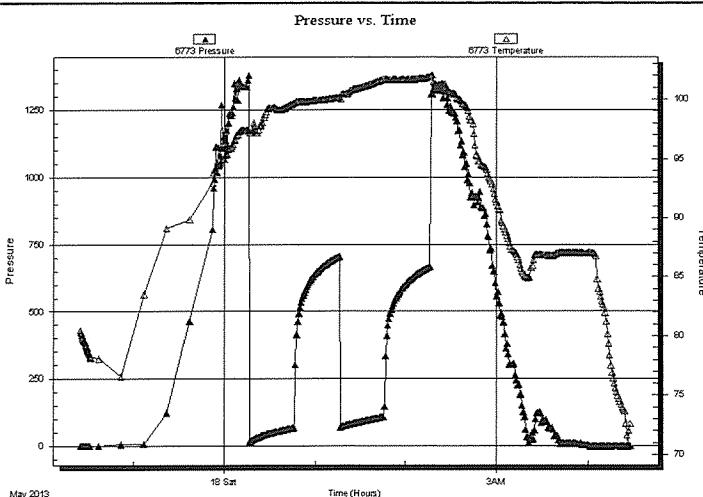
**33-26S-3E Butler, KS**  
**Wolf #1**  
Job Ticket: 52317      **DST#: 3**  
Test Start: 2013.05.17 @ 22:25:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No      Whipstock:                              ft (KB)  
Time Tool Opened: 00:16:00  
Time Test Ended: 04:26:45  
Interval: **2796.00 ft (KB) To 2823.00 ft (KB) (TVD)**  
Total Depth: 2823.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 47  
Reference Elevations: 1350.00 ft (KB)  
1341.00 ft (CF)  
KB to GR/CF: 9.00 ft

**Serial #: 6773      Inside**  
Press@RunDepth:                              psig @      2797.00 ft (KB)  
Start Date: 2013.05.17      End Date: 2013.05.18  
Start Time: 22:25:05      End Time: 04:27:59  
Capacity: 8000.00 psig  
Last Calib.: 1899.12.30  
Time On Btm:  
Time Off Btm:

TEST COMMENT: Weak blow building to 7" initial flow period.  
Weak blow building to 5" final flow period.



## PRESSURE SUMMARY

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

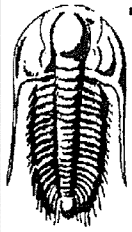
## Recovery

Length (ft)	Description	Volume (bbl)
75.00	Drilling mud	0.37
120.00	Heavy mud cut w ater 76% water & 24% 0.59	

## 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 Street  
New ton, KS 67114-8827  
ATTN: Klee Watchous

**33-26S-3E Butler,KS**  
**Wolf #1**  
Job Ticket: 52317      **DST#: 3**  
Test Start: 2013.05.17 @ 22:25:00

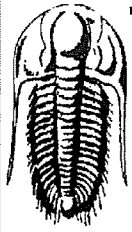
### Tool Information

Drill Pipe:	Length: 2549.00 ft	Diameter: 3.80 inches	Volume: 35.76 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 36.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	2796.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2771.00	
Shut In Tool	5.00			2776.00	
Hydraulic tool	5.00			2781.00	
Jars	4.00			2785.00	
Safety Joint	2.00			2787.00	
Packer	5.00			2792.00	26.00      Bottom Of Top Packer
Packer	4.00			2796.00	
Stubb	1.00			2797.00	
Recorder	0.00	8676	Outside	2797.00	
Recorder	0.00	6773	Inside	2797.00	
Perforations	23.00			2820.00	
Bullnose	3.00			2823.00	27.00      Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.  
4924 SE 84th Street  
New ton, KS 67114-8827  
ATTN: Klee Watchous

**33-26S-3E Butler,KS**  
**Wolf #1**  
Job Ticket: 52317      **DST#: 3**  
Test Start: 2013.05.17 @ 22:25:00

## 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:	28000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

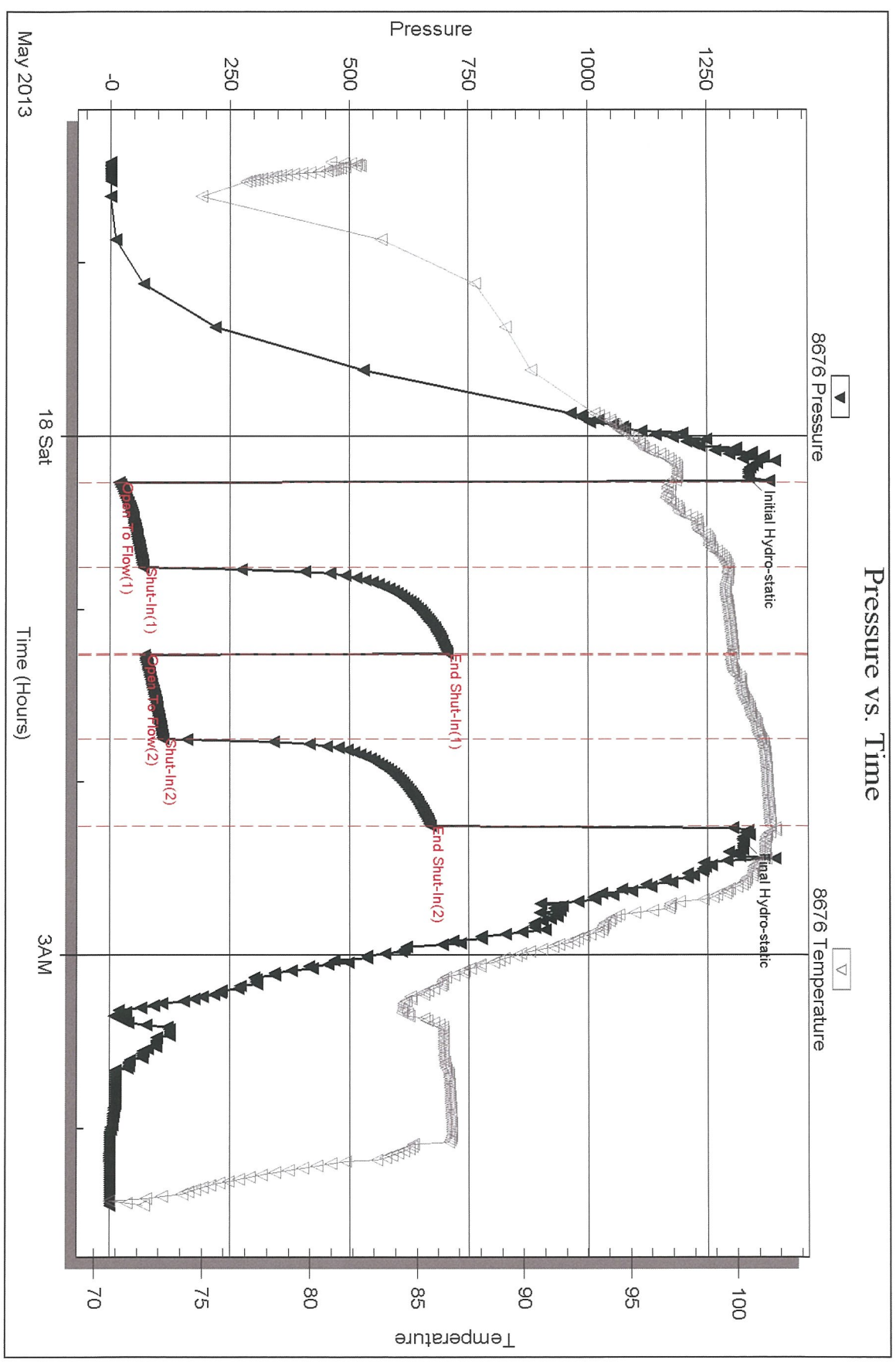
Length ft	Description	Volume bbl
75.00	Drilling mud	0.369
120.00	Heavy mud cut w ater 76% w ater & 24% mud	0.590

Total Length: 195.00 ft      Total Volume: 0.959 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



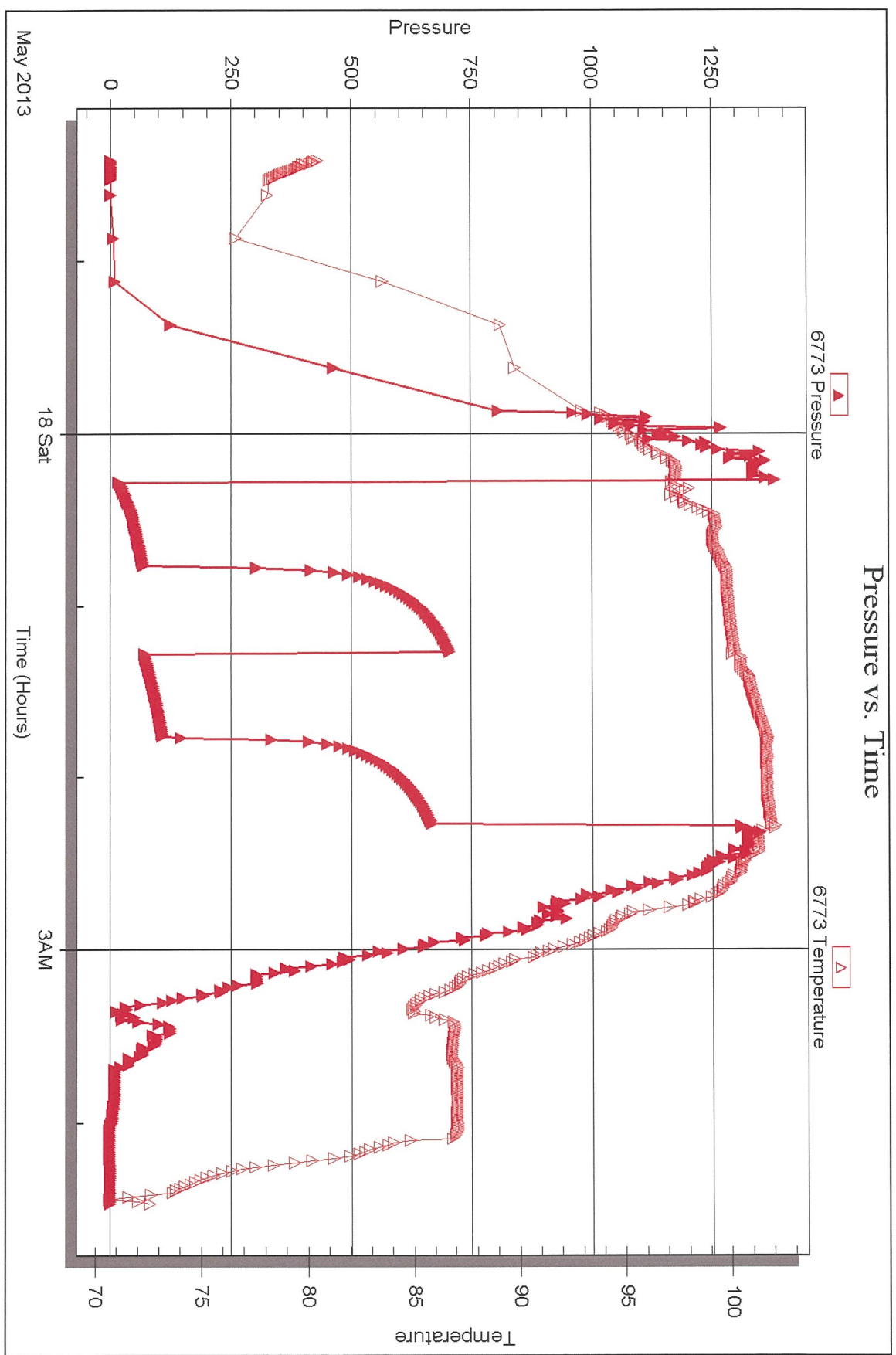
Serial #: 6773

Inside

Palomno Petroleum, Inc.

Wofl #1

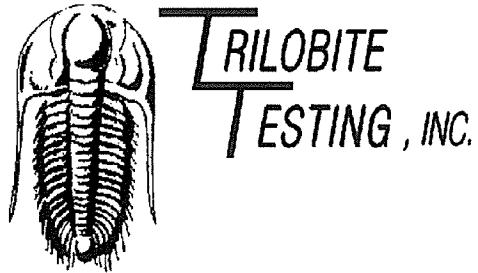
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 52317

Printed: 2013.05.24 @ 11:21:24



## DRILL STEM TEST REPORT

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

4924 SE 84th Street  
Newton, KS 67114-8827

ATTN: Klee Watchous

**Wolf #1**

**33-26S-3E Butler,KS**

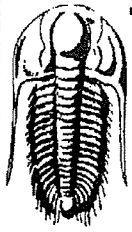
Start Date: 2013.05.19 @ 15:40:00

End Date: 2013.05.19 @ 23:14:00

Job Ticket #: 52318                      DST #: 4

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

Printed: 2013.05.24 @ 11:20:15



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
4924 SE 84th Street  
New ton, KS 67114-8827  
ATTN: Klee Watchous

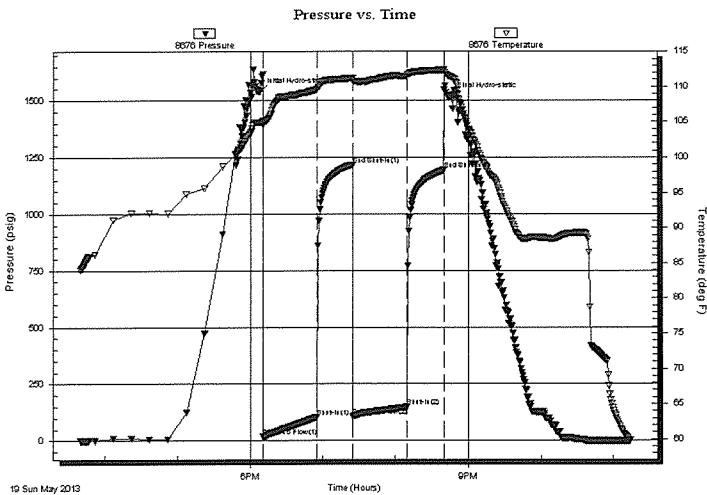
**33-26S-3E Butler,KS**  
**Wolf #1**  
Job Ticket: 52318      **DST#: 4**  
Test Start: 2013.05.19 @ 15:40:00

## GENERAL INFORMATION:

Formation: **Simpson**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 18:10:45  
Time Test Ended: 23:14:00  
Interval: **3209.00 ft (KB) To 3225.00 ft (KB) (TVD)**  
Total Depth: 3225.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches    Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 47  
Reference Elevations: 1350.00 ft (KB)  
1341.00 ft (CF)  
KB to GR/CF: 9.00 ft

**Serial #: 8676      Outside**  
Press@RunDepth: 148.46 psig @ 3210.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.05.19      End Date: 2013.05.19      Last Calib.: 2013.05.20  
Start Time: 15:40:05      End Time: 23:13:59      Time On Btm: 2013.05.19 @ 18:08:00  
Time Off Btm: 2013.05.19 @ 20:45:45

**TEST COMMENT:** Weak blow building to 10" initial flow period.  
Weak blow building to 8" final flow period.



## PRESSURE SUMMARY

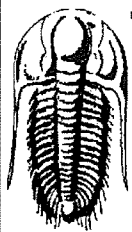
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1539.27	104.90	Initial Hydro-static
3	18.01	104.67	Open To Flow (1)
48	104.07	109.63	Shut-In(1)
77	1217.08	111.19	End Shut-In(1)
78	106.11	110.73	Open To Flow (2)
122	148.46	111.45	Shut-In(2)
152	1192.86	112.37	End Shut-In(2)
158	1517.13	111.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
290.00	MCW w ith trace O 83% w 17%m	1.88

## Gas Rates

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



**TRILOBITE TESTING, INC.**

### DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
 4924 SE 84th Street  
 Newton, KS 67114-8827  
 ATTN: Klee Watchous

**33-26S-3E Butler,KS**  
**Wolf #1**  
 Job Ticket: 52318      **DST#: 4**  
 Test Start: 2013.05.19 @ 15:40:00

**GENERAL INFORMATION:**

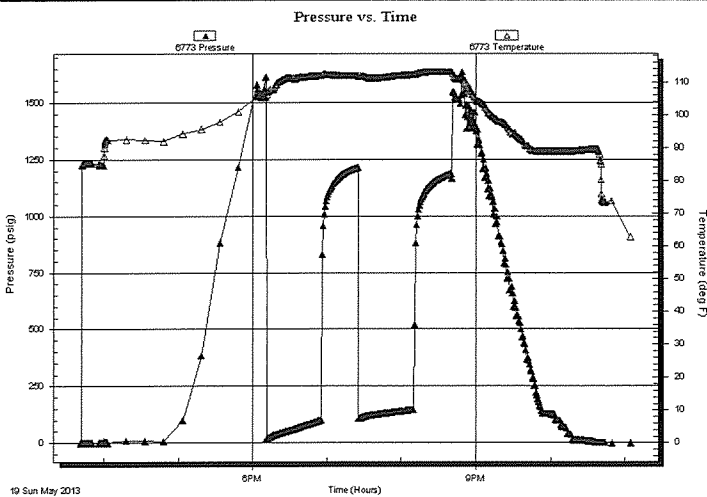
Formation: **Simpson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:10:45  
 Time Test Ended: 23:14:00  
 Interval: **3209.00 ft (KB) To 3225.00 ft (KB) (TVD)**  
 Total Depth: 3225.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 47  
 Reference Elevations: 1350.00 ft (KB)  
 1341.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 6773**

**Inside**

Press@RunDepth: psig @ 3210.00 ft (KB)  
 Capacity: 8000.00 psig  
 Start Date: 2013.05.19 End Date: 2013.05.19 Last Calib.: 1899.12.30  
 Start Time: 15:41:20 End Time: 23:09:39 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** Weak blow building to 10" initial flow period.  
 Weak blow building to 8" final flow period.



**PRESSURE SUMMARY**

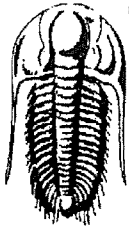
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
290.00	MCW with trace O 83% w 17%m	1.88

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**33-26S-3E Butler, KS**

4924 SE 84th Street  
New ton, KS 67114-8827

**Wolf #1**

Job Ticket: 52318

**DST#: 4**

ATTN: Klee Watchous

Test Start: 2013.05.19 @ 15:40:00

### Tool Information

Drill Pipe:	Length: 2957.00 ft	Diameter: 3.80 inches	Volume: 41.48 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 59000.00 lb
			<u>Total Volume: 42.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3209.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3184.00	
Shut In Tool	5.00			3189.00	
Hydraulic tool	5.00			3194.00	
Jars	4.00			3198.00	
Safety Joint	2.00			3200.00	
Packer	5.00			3205.00	26.00 Bottom Of Top Packer
Packer	4.00			3209.00	
Stubb	1.00			3210.00	
Recorder	0.00	8676	Outside	3210.00	
Recorder	0.00	6773	Inside	3210.00	
Perforations	12.00			3222.00	
Bullnose	3.00			3225.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.  
4924 SE 84th Street  
New ton, KS 67114-8827  
ATTN: Klee Watchous

**33-26S-3E Butler,KS**  
**Wolf #1**  
Job Ticket: 52318      **DST#: 4**  
Test Start: 2013.05.19 @ 15:40:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	1500 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

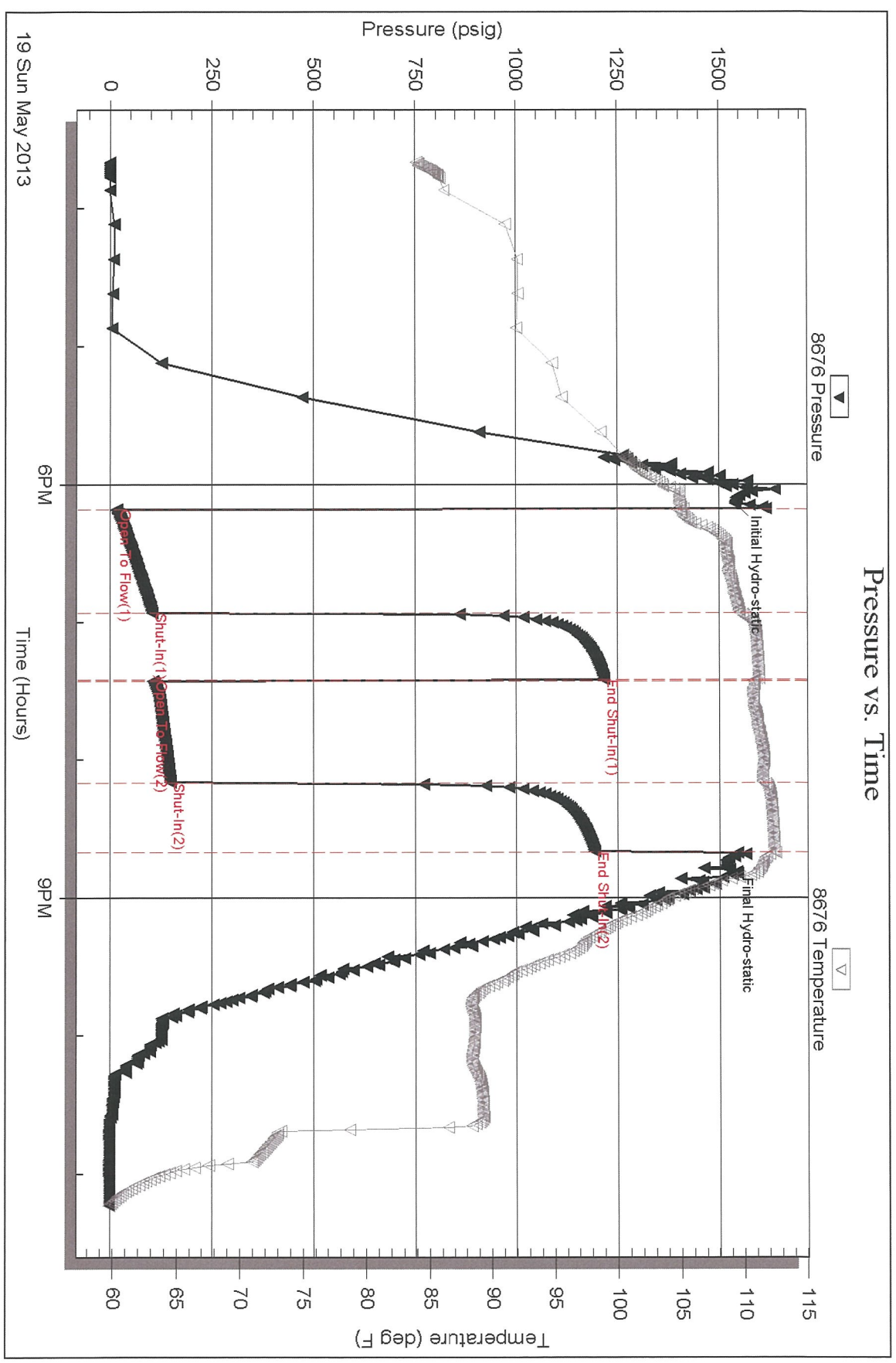
Length ft	Description	Volume bbl
290.00	MCW with trace O 83% w 17%m	1.882

Total Length: 290.00 ft      Total Volume: 1.882 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



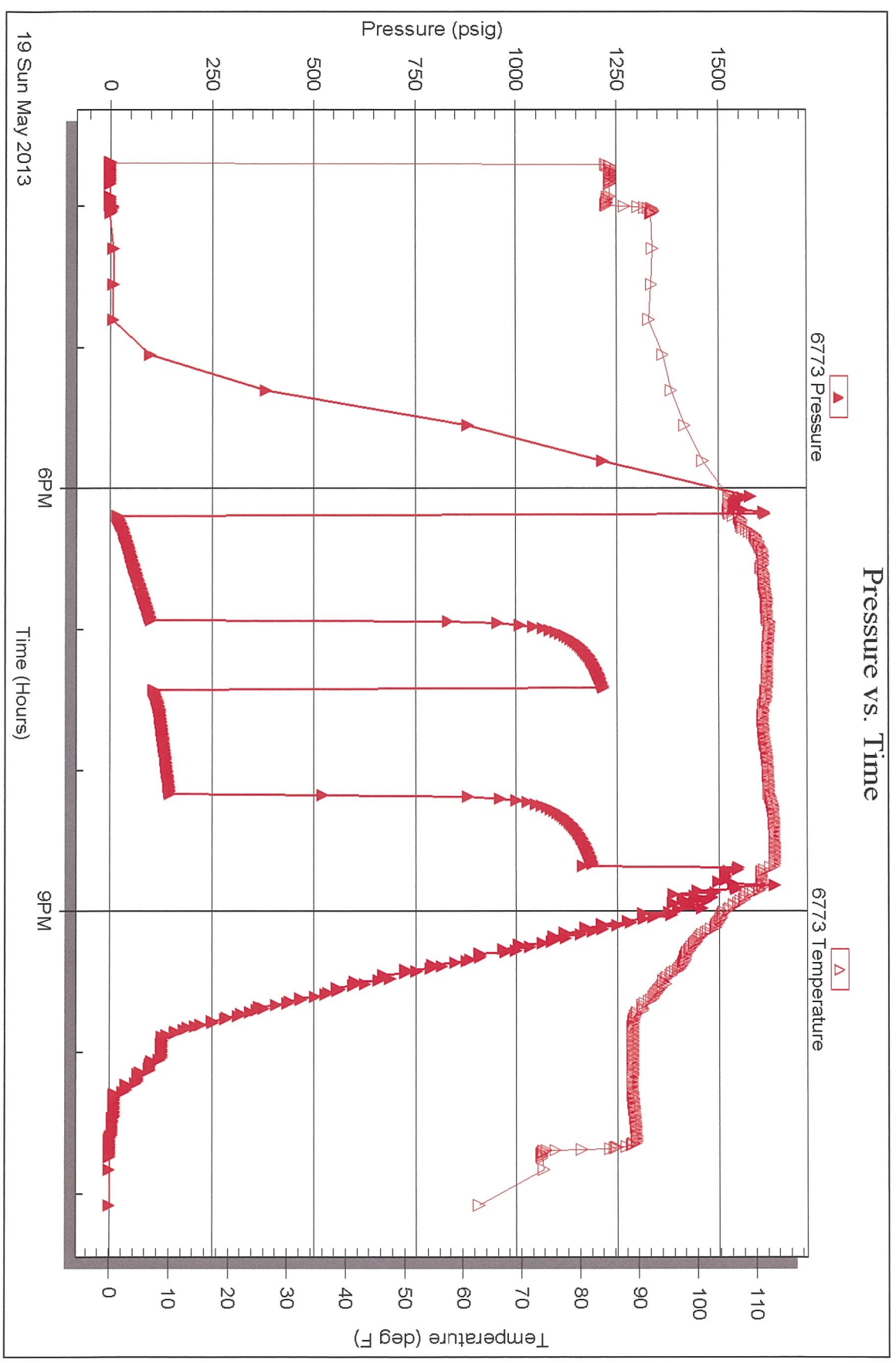
Serial #: 6773

Inside

Palomino Petroleum, Inc.

Wolf #1

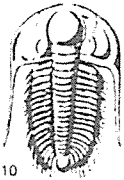
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 52318

Printed: 2013.05.24 @ 11:20:19



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52315

Well Name & No. Wolf #1 Test No. 1 Date 5-16-13  
 Company Palomino Petroleum, Inc. Elevation 1350 KB 1341 GL  
 Address 4924 SE 84th Street, Newton, KS 67114-8827  
 Co. Rep / Geo. Klee Watchous / Nick Gersther Rig C+G #2  
 Location: Sec. 33 Twp. 26S Rge. 3 E Co. Butler State KS

Interval Tested 2466-2511 Zone Tested Hertha  
 Anchor Length 45' Drill Pipe Run 2203 Mud Wt. 9.3  
 Top Packer Depth 2461 Drill Collars Run 240 Vis 50  
 Bottom Packer Depth 2466 Wt. Pipe Run 0 WL 8.8  
 Total Depth 2511 Chlorides 1500 ppm System LCM  
 Blow Description WBBT 29 min into IFP  
WBBT 9" FFP

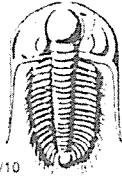
Rec	Feet of	%gas	%oil	%water	%mud
<u>295</u>	<u>HMCW</u>		<u>73</u>	<u>27</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 295 BHT 99 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides 20,000 ppm

(A) Initial Hydrostatic 1172  Test 1150 T-On Location 0940  
 (B) First Initial Flow 17  Jars 250 T-Started 1120  
 (C) First Final Flow 99  Safety Joint 75 T-Open 1231  
 (D) Initial Shut-In 896  Circ Sub \_\_\_\_\_ T-Pulled 1436  
 (E) Second Initial Flow 103  Hourly Standby \_\_\_\_\_ T-Out 1600  
 (F) Second Final Flow 147  Mileage RT 210 325.50 Comments RT 1054  
 (G) Final Shut-In 881  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1139  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1800.50  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1800.50

Approved By \_\_\_\_\_ Our Representative Jimmy Ricketts

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. 52316

Well Name & No. Wolf #1 Test No. 2 Date 5-17-13  
 Company Palomino Petroleum Inc. Elevation 1350 KB 1341 GL  
 Address 4924 SE 84th Street, Newton, Ks. 67114-8827  
 Co. Rep / Geo. Klee Watchous / Nick Gerstner Rig C + G #2  
 Location: Sec. 33 Twp. 26S Rge. 3E Co. Butler State KS.

Interval Tested 2796-2810 Zone Tested Mississippian  
 Anchor Length 14 Drill Pipe Run 2549 Mud Wt. 9.3  
 Top Packer Depth 2791 Drill Collars Run 240 Vis 4S  
 Bottom Packer Depth 2796 Wt. Pipe Run 0 WL 8.8  
 Total Depth 2810 Chlorides 1400 ppm System LCM  
 Blow Description Weak Blow Building to 1" IFF  
No BBT 1/2" FFP

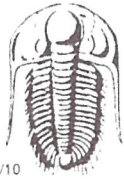
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Slight OCM</u>		<u>1</u>		<u>99</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 102 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1328  Test 1150 T-On Location 1100  
 (B) First Initial Flow 16  Jars 250 T-Started 1130  
 (C) First Final Flow 25  Safety Joint 75 T-Open 1250  
 (D) Initial Shut-In 752  Circ Sub \_\_\_\_\_ T-Pulled 1500  
 (E) Second Initial Flow 26  Hourly Standby \_\_\_\_\_ T-Out 1700  
 (F) Second Final Flow 35  Mileage 44-RT 68.20 Comments RT 1122  
 (G) Final Shut-In 724  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1317  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1543.20 Total 1543.20 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Jimmy Picketts

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

09

## Test Ticket

NO. 52317

Well Name & No. Wolf #1 Test No. 3 Date 8-18-13  
 Company Palomino Petroleum, Inc. Elevation 1350 KB 1341 GL  
 Address 4924 SE 84th Street, Newton, KS. 67114-8827  
 Co. Rep / Geo. Klee Watchous / Nick Gerstner Rig CAG #2  
 Location: Sec. 33 Twp. 26S Rge. 3E Co. Butler State KS

Interval Tested 2796-2823 Zone Tested Mississippian  
 Anchor Length 27 Drill Pipe Run 2549 Mud Wt. 9.3  
 Top Packer Depth 2791 Drill Collars Run 240 Vis 45  
 Bottom Packer Depth 2796 Wt. Pipe Run 0 WL 8.8  
 Total Depth 2823 Chlorides 1400 ppm System LCM  
 Blow Description WBBT 7 inches IFP  
WBBT 5 inches FFA

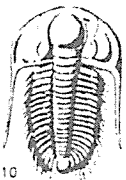
Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>Drilling Mud</u>			<u>100</u>	
<u>120</u>	<u>HMCW</u>		<u>76</u>	<u>24</u>	

Rec Total 195 BHT 102 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides 28000 ppm

(A) Initial Hydrostatic 1337  Test 1150 T-On Location 2200  
 (B) First Initial Flow 18  Jars 250 T-Started 22:35  
 (C) First Final Flow 69  Safety Joint 75 T-Open 0016  
 (D) Initial Shut-In 706  Circ Sub \_\_\_\_\_ T-Pulled 0216  
 (E) Second Initial Flow 72  Hourly Standby \_\_\_\_\_ T-Out 0400  
 (F) Second Final Flow 110  Mileage 48 68.20 Comments RT-2225  
 (G) Final Shut-In 668  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1325  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1543.20  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1543.20

Approved By \_\_\_\_\_ Our Representative Jimmy Ricketts

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52318

Well Name & No. Wolf #1 Test No. 4 Date 5-19-13  
 Company Palomino Petroleum, Inc. Elevation 1350 KB 1341 GL  
 Address 4924 SE 84th Street, Newton, KS 67114-8827  
 Co. Rep / Geo. Nick Gerstner Rig C + G #2  
 Location: Sec. 33 Twp. 26S Rge. 3E Co. Butler State KS

Interval Tested 3209 - 3225 Zone Tested Simpson  
 Anchor Length 16 Drill Pipe Run 2957 Mud Wt. 9.4  
 Top Packer Depth 3204 Drill Collars Run 240 Vis 48  
 Bottom Packer Depth 3209 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3225 Chlorides 1200 ppm System LCM  
 Blow Description WBBT 10 inches IFF  
WBBT 8 inches FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>290</u>	<u>MCW with Trace Oil</u>	<u>TR</u>	<u>83</u>	<u>17</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 290 BHT 112 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides 1500 ppm

(A) Initial Hydrostatic <u>1539</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1600</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1700</u>
(C) First Final Flow <u>104</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1811</u>
(D) Initial Shut-In <u>1217</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2041'</u>
(E) Second Initial Flow <u>106</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2230</u>
(F) Second Final Flow <u>148</u>	<input checked="" type="checkbox"/> Mileage <u>RT-44</u> x2 136.40	Comments <u>RT-1640</u>
(G) Final Shut-In <u>1193</u>	<input type="checkbox"/> Sampler _____	<u>loaded tools 16:00 on 5/20</u>
(H) Final Hydrostatic <u>1517</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</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>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1611.40</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1611.40</u>	

Approved By \_\_\_\_\_

Our Representative Jimmy Pinkert

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