



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1173997  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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

1173997

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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)* \_\_\_\_\_

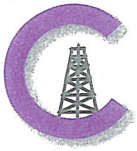
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Golden Grain 1
Doc ID	1173997

Tops

Name	Top	Datum
Anhy.	2246	(+ 860)
Base Anhy.	2260	(+ 846)
Heebner	3953	(- 847)
Lansing	4006	(- 900)
BKC	4457	(-1351)
Marmaton	4485	(-1379)
Pawnee	4569	(-1463)
Ft. Scott	4601	(-1495)
Cherokee Sh.	4613	(-1507)
Miss.	4902	(-1796)
LTD	5085	(-1979)



**CONSOLIDATED**  
Oil Well Services, LLC

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

**RECEIVED**

**OCT 17 2013** MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

**INVOICE**

Invoice # 263177

Invoice Date: 10/15/2013 Terms: 10/10/30,n/30

Page 1

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

GOLDEN GRAIN #1  
44277  
29-20S-34W  
10-10-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	270.00	15.8600	4282.20
1118B	PREMIUM GEL / BENTONITE	929.00	.2700	250.83
1107	FLO-SEAL (25#)	68.00	2.9700	201.96
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-483.57
9995-130	CEMENT EQUIPMENT DISCOUNT	-267.25

Description	Hours	Unit Price	Total
399 P & A NEW WELL	1.00	1395.00	1395.00
399 EQUIPMENT MILEAGE (ONE WAY)	50.00	5.25	262.50
566 TON MILEAGE DELIVERY	1.00	1015.00	1015.00

Amount Due 7902.35 if paid after 11/14/2013

Parts:	4835.74	Freight:	.00	Tax:	354.70	AR	7112.12
Labor:	.00	Misc:	.00	Total:	7112.12		
Sublt:	-750.82	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, OK 918/225-2650



**CONSOLIDATED**  
Oil Well Services, LLC

263177

TICKET NUMBER 44277

LOCATION Oakley, KS

FOREMAN Jerry Y

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

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
10-10-13	6285	Golden Grain #1	29	205	34w	Scott	
CUSTOMER		Mailing Address		TRUCK #	DRIVER	TRUCK #	DRIVER
Palamino		50th, 45th Rd, 40, 10w, 15 34w, 51n		399	Keith C.		
CITY		STATE	ZIP CODE	566	Steven O		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.8 SLURRY VOL 6.42 WATER gal/sk 6.9 CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting & rig upon well plugs ordered 60/40 puz 4% gel 1/4# fbseal  
50 sks @ 2280'  
80 sks @ 1250'  
40 sks @ 600'  
50 sks @ 240'  
20 sks @ 60'  
30 sks Rh rig down & done

*Thank you  
Jerry & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
3405N	1	PUMP CHARGE	1395 <sup>00</sup>	1395 <sup>00</sup> ✓
5406	50	MILEAGE	5 <sup>25</sup>	262 <sup>50</sup> ✓
5407A	11.6	ten mileage delivery	175	1015 <sup>00</sup> ✓
1131	270 sks	60/40 puz	15 <sup>86</sup>	4282 <sup>30</sup> ✓
1186	929#	bentonite	.27	250 <sup>83</sup> ✓
1107	68#	fbseal	297	201 <sup>96</sup> ✓
4432	1	8 7/8 wooden plug	100 <sup>75</sup>	100 <sup>75</sup> ✓
			Subtotal	7508 <sup>34</sup>
			less 10% disc.	750 <sup>83</sup> ✓
			Subtotal	6,757 <sup>42</sup>

**completed**

8.15% SALES TAX 354.70 ✓  
 ESTIMATED TOTAL 7112.12 ✓  
 DATE 10-10-13

AUTHORIZATION

TITLE T.P.C.

acknowledges 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



**CONSOLIDATED**  
Oil Well Services, LLC

**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

RECEIVED

OCT 10 2013

**INVOICE**

Invoice # 262849

Invoice Date: 10/08/2013 Terms: 10/10/30,n/30

Page 1

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

GOLDEN GRAIN #1  
44367  
29-20-34  
10-01-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	18.5500	3060.75
1102	CALCIUM CHLORIDE (50#)	465.00	.9400	437.10
1118B	PREMIUM GEL / BENTONITE	310.00	.2700	83.70

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-358.16
9995-130	CEMENT EQUIPMENT DISCOUNT	-199.73

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	45.00	5.25	236.25
693 TON MILEAGE DELIVERY	1.00	611.10	611.10

Amount Due 5870.79 if paid after 11/07/2013

Parts:	3581.55	Freight:	.00	Tax:	262.70	AR	5283.71
Labor:	.00	Misc:	.00	Total:	5283.71		
Sublt:	-557.89	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, OK 918/225-2650



**CONSOLIDATED**  
Oil Well Services, LLC

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

262849

TICKET NUMBER 44367  
LOCATION Oakley, Ks.  
FOREMAN Daunen

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/1/13	6285	Golden Grain #1	29	20	34	Scott

CUSTOMER	Mailing Address			CITY	STATE	ZIP CODE
Palomina Petroleum	Scott City 5 To Rd 40 Nw 25 1/2 W			Sinto		

TRUCK #	DRIVER	TRUCK #	DRIVER
463	Cory		
693	Merl		

JOB TYPE Surface    HOLE SIZE 12 1/4    HOLE DEPTH 216    CASING SIZE & WEIGHT 8 5/8, 23"  
CASING DEPTH 222.13    DRILL PIPE \_\_\_\_\_    TUBING \_\_\_\_\_    OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.8    SLURRY VOL 1.36    WATER gal/sk \_\_\_\_\_    CEMENT LEFT IN CASING 20'  
DISPLACEMENT 12.93    DISPLACEMENT PSI \_\_\_\_\_    MIX PSI \_\_\_\_\_    RATE \_\_\_\_\_

REMARKS: Safety Meeting Rig up on W-10 Run Casing, Break Circulation With Rig Pump Hook up to Pump Truck mix 165 sks Class "A" Cement 3% CC 2% Gel Displace With 12.93 bbl Water Shut in Wash up pump & lines Rig Down

Cement Did Circulate

Approx 2 bbl To Pit

Thanks Daunen + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE	\$ 1150.00	\$ 1150.00 ✓
5406	45	MILEAGE	\$ 5.25	\$ 236.25 ✓
5407 A	7.76	Ton Mileage Delivery	\$ 72.50	\$ 611.12 ✓
1104 S	165 SKS	Class "A" Cement	\$ 18.55	\$ 3060.25 ✓
1102	465*	Calcium Chloride	\$ .94	\$ 437.10 ✓
1118 B	310*	Bentonite	\$ .27	\$ 83.70 ✓
				Subtotal \$ 5578.90
				Less 10% \$ 557.89 ✓
				Subtotal \$ 5021.01
				SALES TAX 8.15% \$ 262.70 ✓
				ESTIMATED TOTAL \$ 5283.71 ✓

**completed**

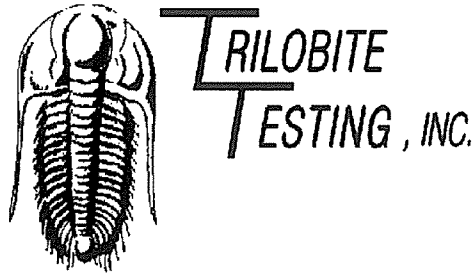
Ravin 3737

AUTHORIZATION

TITLE T.P.

DATE 10-1-13

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 St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Golden Grain #1**

#### **29 20s 34w Scott,KS**

Start Date: 2013.10.05 @ 22:54:00

End Date: 2013.10.06 @ 04:49:30

Job Ticket #: 55511                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.14 @ 14:51:38

Palomino Petroleum, Inc  
29 20s 34w Scott,KS  
Golden Grain #1  
DST # 1  
LKC- H&I  
2013.10.05





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc

29 20s 34w Scott, KS

4924 SE 84th St.  
New ton, KS 67114

**Golden Grain #1**

Job Ticket: 55511

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.10.05 @ 22:54:00

### GENERAL INFORMATION:

Formation: **LKC- H& I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:56:10

Time Test Ended: 04:49:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: **4205.00 ft (KB) To 4277.00 ft (KB) (TVD)**

Total Depth: 4277.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6741** Inside

Press@RunDepth: 91.28 psig @ 4209.00 ft (KB)

Start Date: 2013.10.05

End Date:

2013.10.06

Start Time: 22:54:01

End Time:

04:49:30

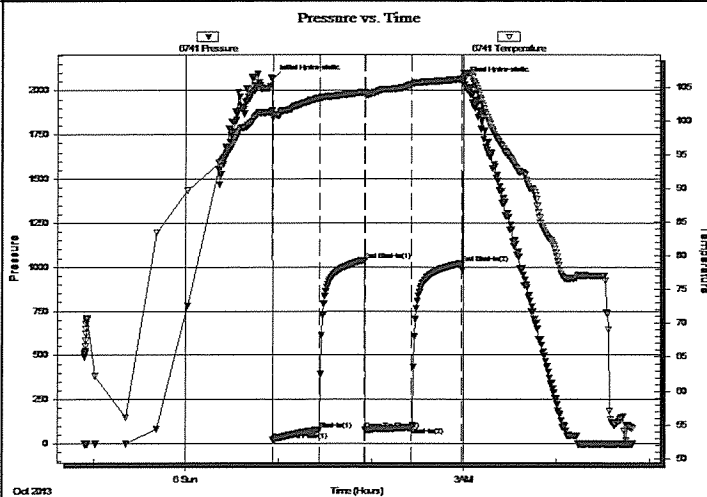
Capacity: 8000.00 psig

Last Calib.: 2013.10.06

Time On Btm: 2013.10.06 @ 00:56:00

Time Off Btm: 2013.10.06 @ 02:59:50

TEST COMMENT: IF: 4 1/2" blow .  
IS: No return.  
FF: 2" blow .  
FSI: No return.



### PRESSURE SUMMARY

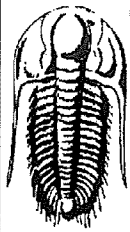
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2070.42	101.45	Initial Hydro-static
1	19.30	100.38	Open To Flow (1)
31	77.98	103.17	Shut-In(1)
60	1038.39	104.21	End Shut-In(1)
60	78.73	103.72	Open To Flow (2)
91	91.28	105.37	Shut-In(2)
123	1019.55	106.14	End Shut-In(2)
124	2055.41	106.49	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
150.00	mud 100m (oil spots)	0.98

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, KS 67114  
ATTN: Ryan Seib

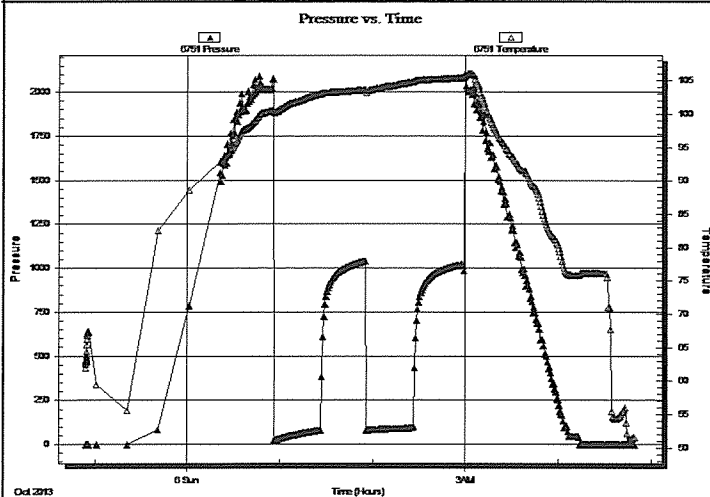
**29 20s 34w Scott,KS**  
**Golden Grain #1**  
Job Ticket: 55511      DST#: 1  
Test Start: 2013.10.05 @ 22:54:00

### GENERAL INFORMATION:

Formation: **LKC- H& I**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:56:10  
 Time Test Ended: 04:49:30  
 Interval: **4205.00 ft (KB) To 4277.00 ft (KB) (TVD)**  
 Total Depth: 4277.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 3106.00 ft (KB)  
 3101.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6751**      **Outside**  
 Press@RunDepth: psig @ 4209.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.10.05      End Date: 2013.10.06      Last Calib.: 1899.12.30  
 Start Time: 22:54:01      End Time: 04:49:30      Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: 4 1/2" blow .  
 IS: No return.  
 FF: 2" blow .  
 FS: No return.



### PRESSURE SUMMARY

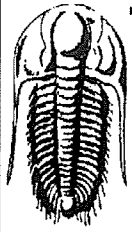
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
150.00	mud 100m (oil spots)	0.98

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc

**29 20s 34w Scott,KS**

4924 SE 84th St.  
New ton, KS 67114

**Golden Grain #1**

Job Ticket: 55511

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2013.10.05 @ 22:54:00

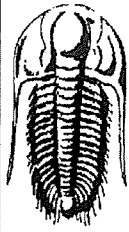
### Tool Information

Drill Pipe:	Length: 4079.00 ft	Diameter: 3.80 inches	Volume: 57.22 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: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 57.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.50 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4205.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	99.50 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			4178.50	
Shut In Tool	5.00			4183.50	
Hydraulic tool	5.00			4188.50	
Jars	5.00			4193.50	
Safety Joint	2.50			4196.00	
Packer	5.00			4201.00	27.50 Bottom Of Top Packer
Packer	4.00			4205.00	
Stubb	1.00			4206.00	
Perforations	3.00			4209.00	
Recorder	0.00	6741	Inside	4209.00	
Recorder	0.00	6751	Outside	4209.00	
Change Over Sub	1.00			4210.00	
Drill Pipe	63.00			4273.00	
Change Over Sub	1.00			4274.00	
Bullnose	3.00			4277.00	72.00 Bottom Packers & Anchor

**Total Tool Length: 99.50**



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

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**29 20s 34w Scott,KS**

4924 SE 84th St.  
New ton, KS 67114

**Golden Grain #1**

Job Ticket: 55511

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2013.10.05 @ 22:54:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.35 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	mud 100m (oil spots)	0.984

Total Length: 150.00 ft

Total Volume: 0.984 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

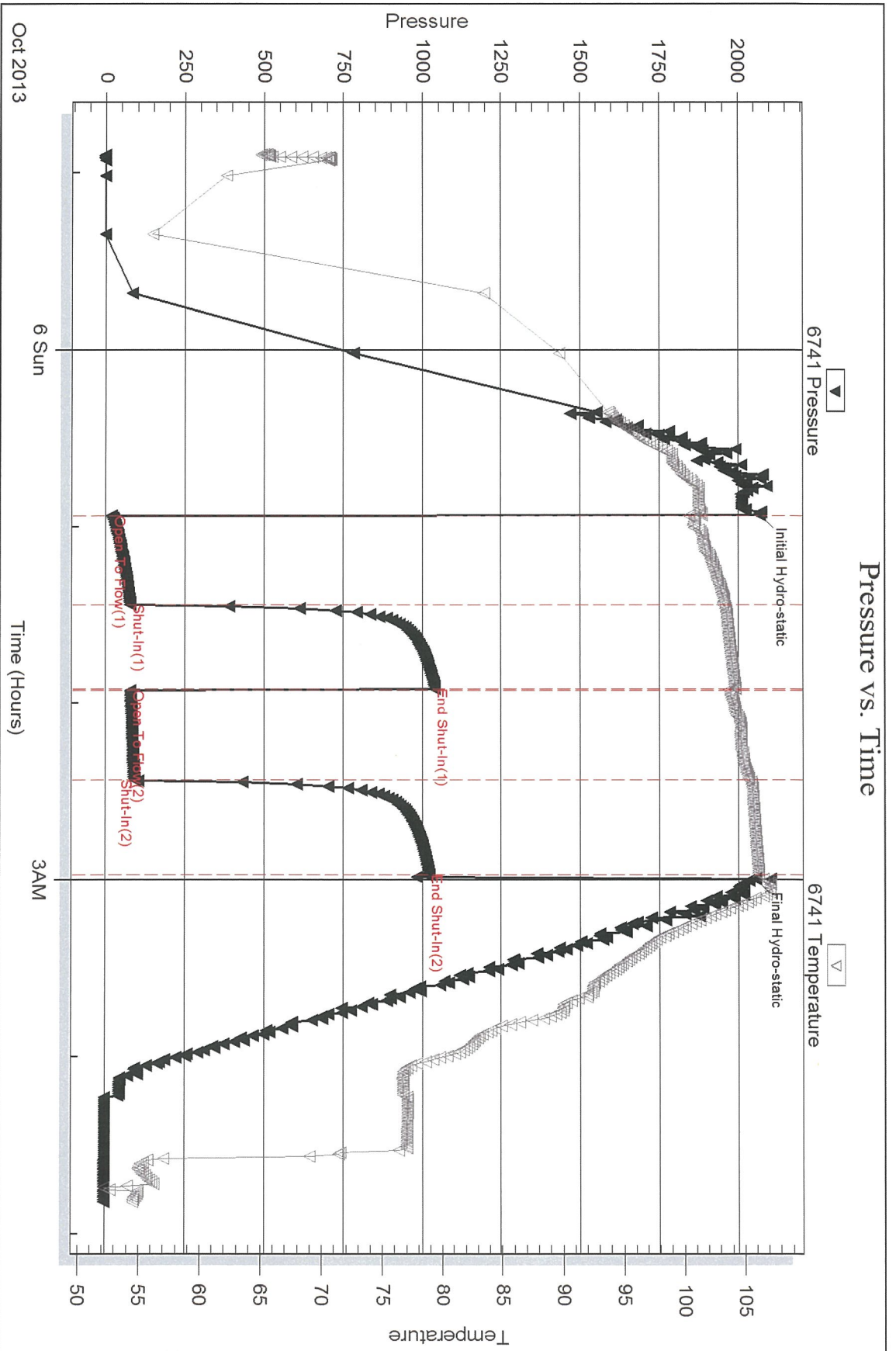
Serial #: 6741

Inside

Palorino Petroleum, Inc

Golden Grain #1

DST Test Number: 1

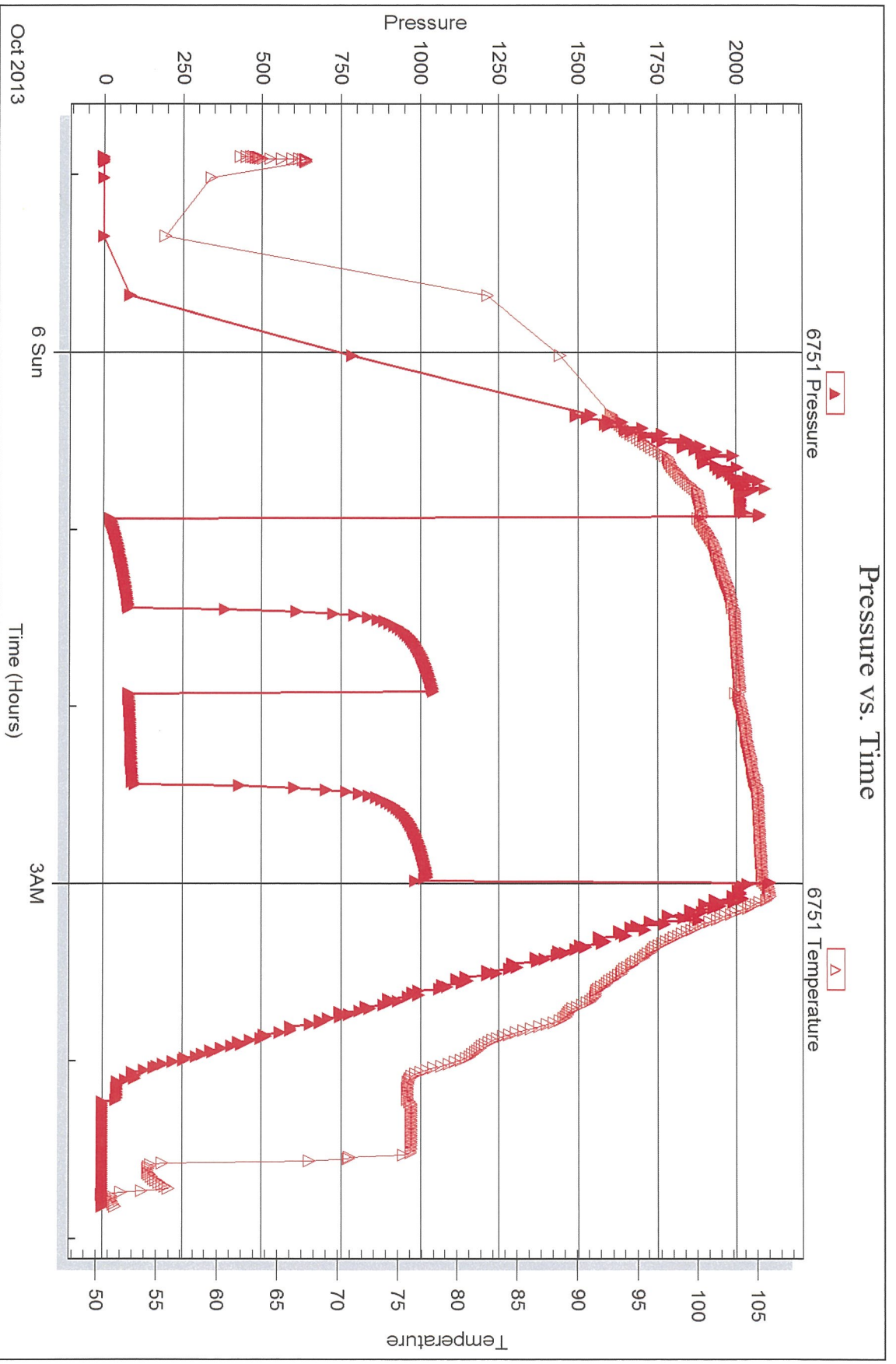


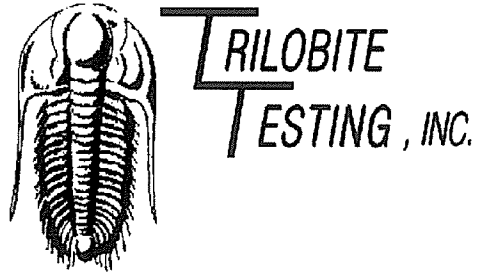
Serial #: 6751

Outside Palomino Petroleum, Inc

Golden Grain #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Golden Grain #1**

### **29 20s 34w Scott,KS**

Start Date: 2013.10.07 @ 02:27:00

End Date: 2013.10.07 @ 08:25:30

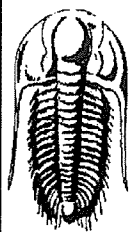
Job Ticket #: 55512                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.14 @ 14:49:35



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc

**29 20s 34w Scott,KS**

4924 SE 84th St.  
New ton, KS 67114

**Golden Grain #1**

Job Ticket: 55512

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2013.10.07 @ 02:27:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:20:30

Time Test Ended: 08:25:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4494.00 ft (KB) To 4573.00 ft (KB) (TVD)**

Reference Elevations: 3106.00 ft (KB)

Total Depth: 4573.00 ft (KB) (TVD)

3101.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 6741 Inside**

Press@RunDepth: 50.09 psig @ 4505.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.07

End Date: 2013.10.07

Last Calib.: 2013.10.07

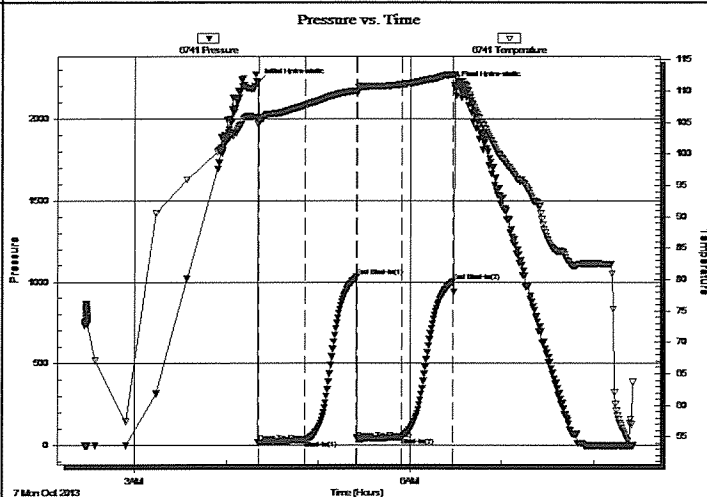
Start Time: 02:27:01

End Time: 08:25:30

Time On Btm: 2013.10.07 @ 04:20:20

Time Off Btm: 2013.10.07 @ 06:29:10

TEST COMMENT: IF: 2" blow.  
ISI: No return.  
FF: 1 1/2' blow.  
FSI: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.97	105.81	Initial Hydro-static
1	16.35	104.71	Open To Flow (1)
31	31.82	107.77	Shut-In(1)
65	1030.67	110.05	End Shut-In(1)
66	38.61	109.96	Open To Flow (2)
95	50.09	111.06	Shut-In(2)
128	1003.15	112.64	End Shut-In(2)
129	2203.54	112.59	Final Hydro-static

## Recovery

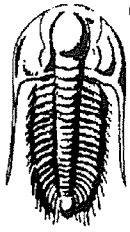
Length (ft)	Description	Volume (bbl)
50.00	ocm 20o 80m	0.25
40.00	mco 20m 80o	0.20

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, KS 67114  
ATTN: Ryan Seib

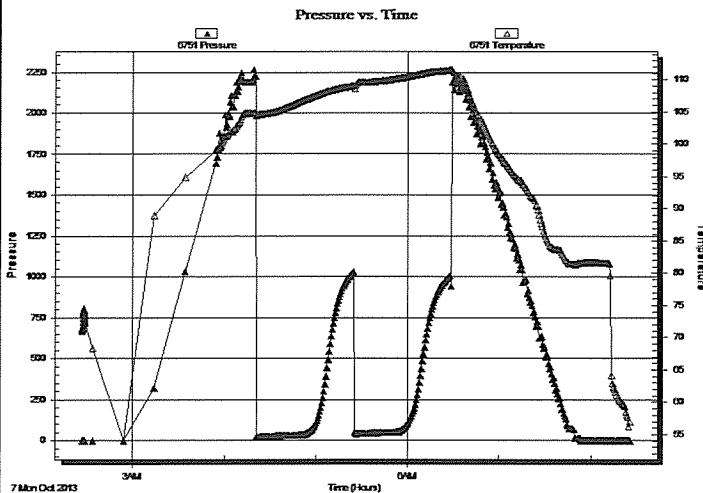
**29 20s 34w Scott,KS**  
**Golden Grain #1**  
Job Ticket: 55512      DST#: 2  
Test Start: 2013.10.07 @ 02:27:00

**GENERAL INFORMATION:**

Formation: <b>Marmaton</b>		
Deviated: No      Whipstock:                      ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 04:20:30	Tester: Bradley Walter	
Time Test Ended: 08:25:30	Unit No: 69	
Interval: <b>4494.00 ft (KB) To 4573.00 ft (KB) (TVD)</b>	Reference Elevations: 3106.00 ft (KB)	
Total Depth: 4573.00 ft (KB) (TVD)	3101.00 ft (CF)	
Hole Diameter: 7.88 inches      Hole Condition: Good	KB to GR/CF: 5.00 ft	

**Serial #: 6751      Outside**  
Press@RunDepth:                      psig @      4505.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.10.07      End Date: 2013.10.07      Last Calib.: 1899.12.30  
Start Time: 02:27:01      End Time: 08:25:30      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: 2" blow .  
IS: No return.  
FF: 1 1/2' blow .  
FSI: No return.



**PRESSURE SUMMARY**

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

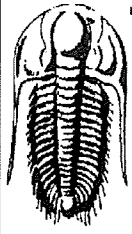
**Recovery**

Length (ft)	Description	Volume (bbl)
50.00	ocm 20o 80m	0.25
40.00	mco 20m 80o	0.20

\* 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  
ATTN: Ryan Seib

**29 20s 34w Scott,KS**  
**Golden Grain #1**  
Job Ticket: 55512      **DST#: 2**  
Test Start: 2013.10.07 @ 02:27:00

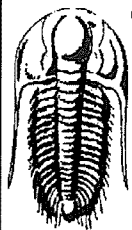
**Tool Information**

Drill Pipe:	Length: 4363.00 ft	Diameter: 3.80 inches	Volume: 61.20 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: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4494.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	106.50 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			4467.50	
Shut In Tool	5.00			4472.50	
Hydraulic tool	5.00			4477.50	
Jars	5.00			4482.50	
Safety Joint	2.50			4485.00	
Packer	5.00			4490.00	27.50      Bottom Of Top Packer
Packer	4.00			4494.00	
Stubb	1.00			4495.00	
Perforations	10.00			4505.00	
Recorder	0.00	6741	Inside	4505.00	
Recorder	0.00	6751	Outside	4505.00	
Change Over Sub	1.00			4506.00	
Drill Pipe	63.00			4569.00	
Change Over Sub	1.00			4570.00	
Bullnose	3.00			4573.00	79.00      Bottom Packers & Anchor

**Total Tool Length: 106.50**



**TRIOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**29 20s 34w Scott,KS**

4924 SE 84th St.  
New ton, KS 67114

**Golden Grain #1**

Job Ticket: 55512

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2013.10.07 @ 02:27:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	ocm 20o 80m	0.246
40.00	mco 20m 80o	0.197

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

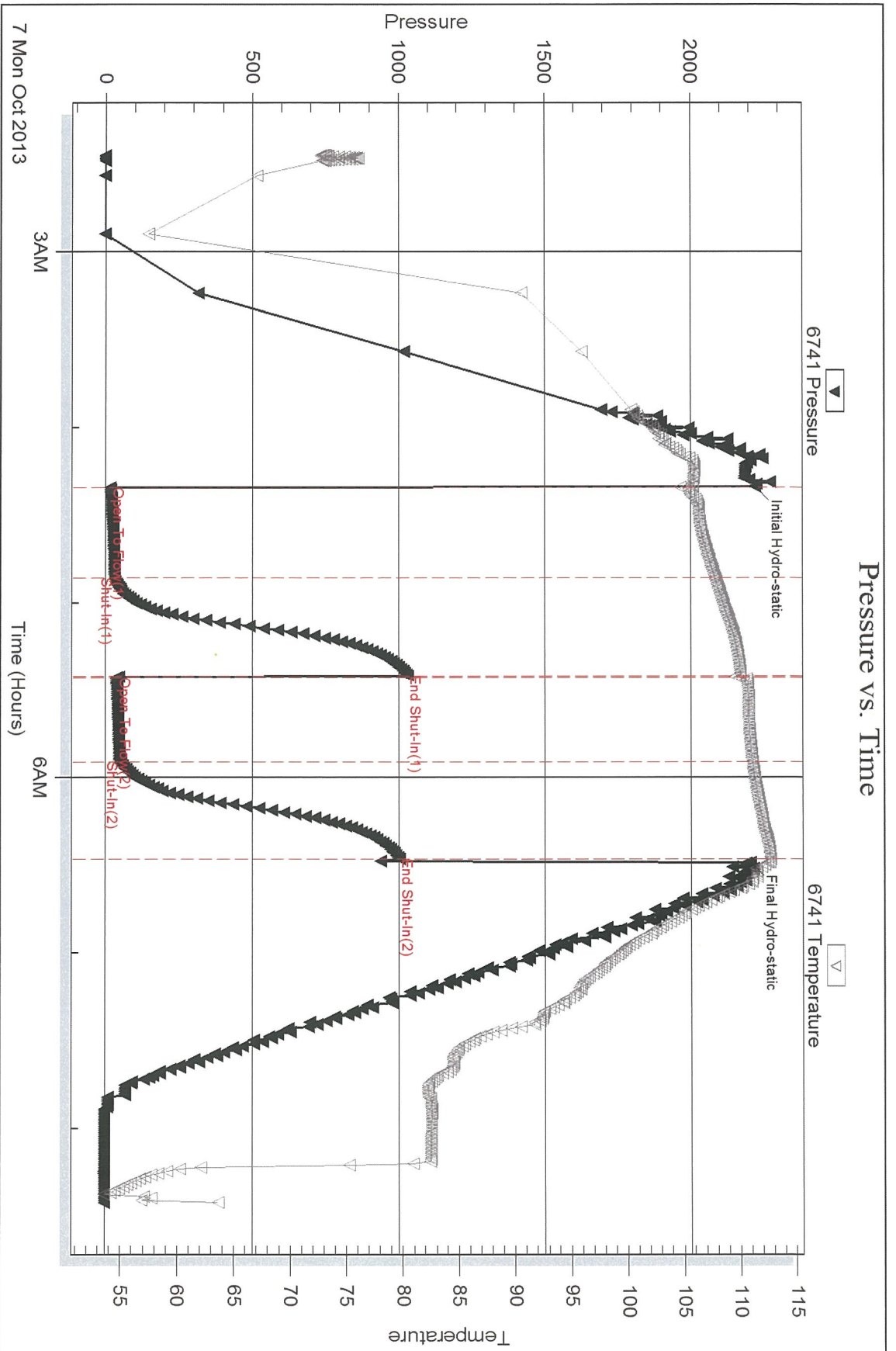
Serial #: 6741

Inside

Palomino Petroleum, Inc

Golden Grain #1

DST Test Number: 2

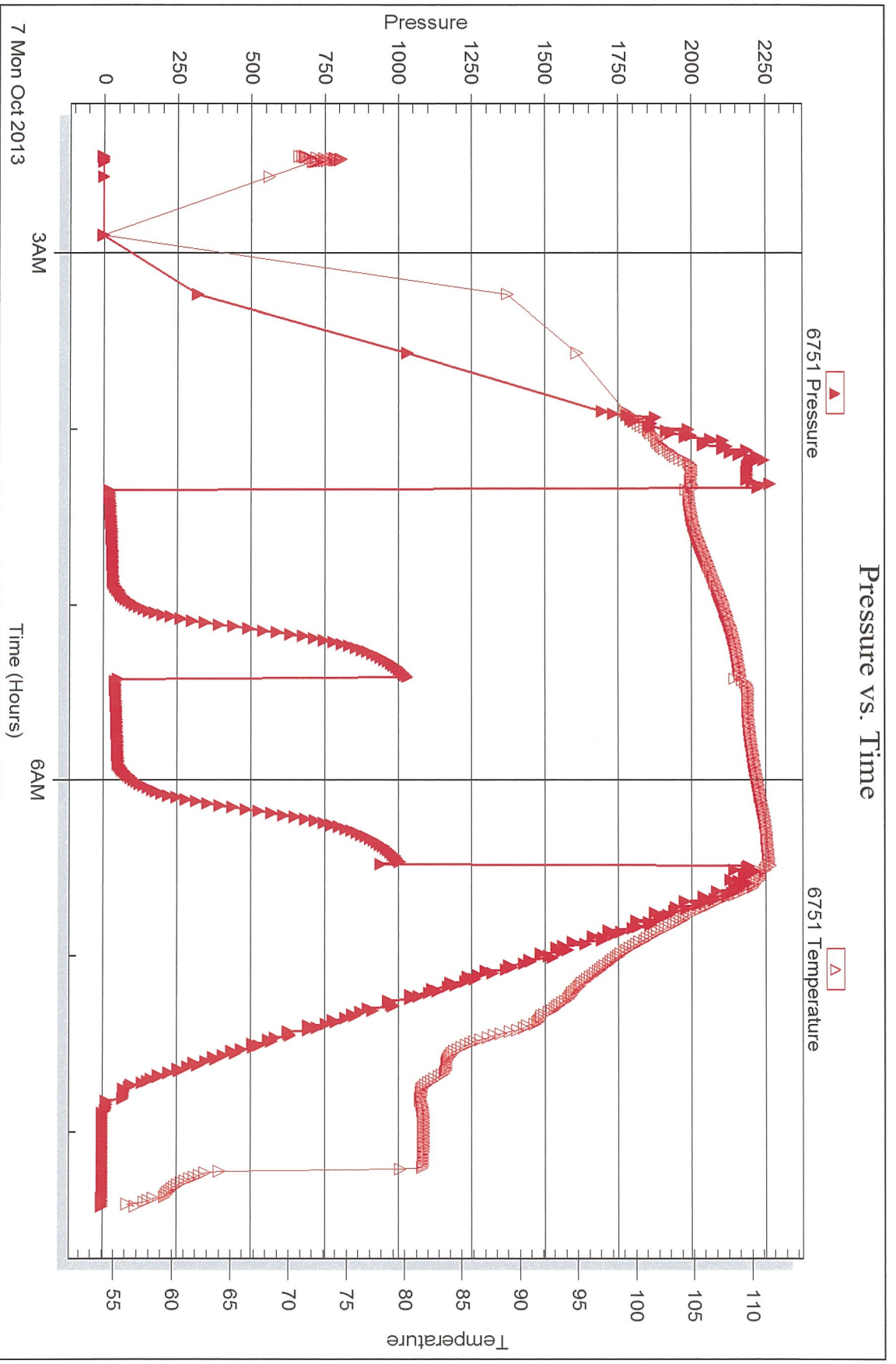


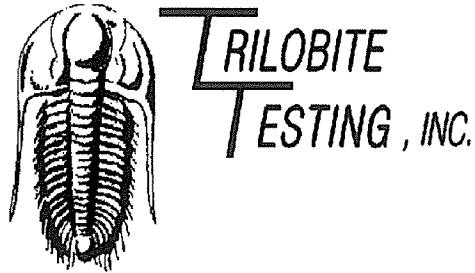
Serial #: 6751

Outside Palomino Petroleum, Inc

Golden Grain #1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Golden Grain #1**

#### **29 20s 34w Scott,KS**

Start Date: 2013.10.08 @ 07:34:00

End Date: 2013.10.08 @ 13:46:09

Job Ticket #: 55513                      DST #: 3

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

Printed: 2013.10.14 @ 14:48:44

Palomino Petroleum, Inc  
29 20s 34w Scott,KS  
Golden Grain #1  
DST # 3  
Pawnee - Ft. Scott  
2013.10.08



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc

**29 20s 34w Scott,KS**

4924 SE 84th St.  
New ton, KS 67114

**Golden Grain #1**

Job Ticket: 55513

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.10.08 @ 07:34:00

### GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:39:20

Time Test Ended: 13:46:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4565.00 ft (KB) To 4810.00 ft (KB) (TVD)**

Reference Elevations: 3106.00 ft (KB)

Total Depth: 4810.00 ft (KB) (TVD)

3101.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 6751**

**Outside**

Press@RunDepth: 48.04 psig @ 4585.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.08

End Date: 2013.10.08

Last Calib.: 2013.10.08

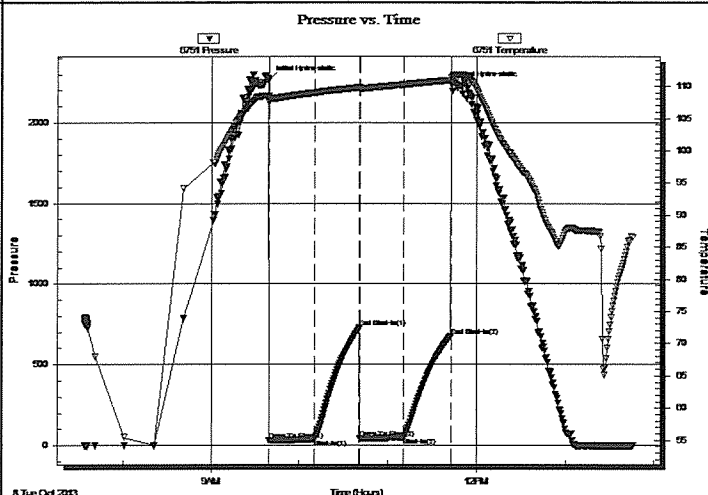
Start Time: 07:34:01

End Time: 13:46:10

Time On Btm: 2013.10.08 @ 09:39:10

Time Off Btm: 2013.10.08 @ 11:43:00

TEST COMMENT: IF: 1" blow.  
ISI: No return.  
FF: Surface blow.  
FSI: No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.54	108.46	Initial Hydro-static
1	28.69	107.52	Open To Flow (1)
31	37.92	108.97	Shut-In(1)
62	725.46	109.80	End Shut-In(1)
62	41.03	109.50	Open To Flow (2)
92	48.04	110.24	Shut-In(2)
124	677.56	110.95	End Shut-In(2)
124	2233.80	111.34	Final Hydro-static

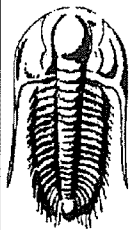
### Recovery

Length (ft)	Description	Volume (bbl)
55.00	mud 100m (oil spots)	0.27

\* Recovery from multiple tests

### Gas Rates

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



TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc

29 20s 34w Scott, KS

4924 SE 84th St.  
Newton, KS 67114

**Golden Grain #1**

Job Ticket: 55513                      DST#: 3

ATTN: Ryan Seib

Test Start: 2013.10.08 @ 07:34:00

### GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock:                      ft (KB)

Time Tool Opened: 09:39:20

Time Test Ended: 13:46:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4565.00 ft (KB) To 4810.00 ft (KB) (TVD)**

Total Depth: **4810.00 ft (KB) (TVD)**

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6741      Inside**

Press@RunDepth:                      psig @ 4585.00 ft (KB)

Start Date: 2013.10.08

End Date:

2013.10.08

Capacity: 8000.00 psig

Last Calib.: 2013.10.08

Start Time: 07:34:01

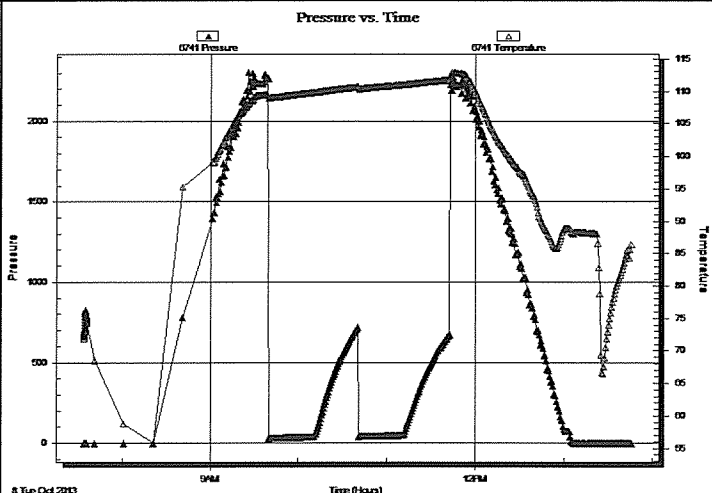
End Time:

13:46:10

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: 1" blow .  
IS: No return.  
FF: Surface blow .  
FSI: No return.



### PRESSURE SUMMARY

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

### Recovery

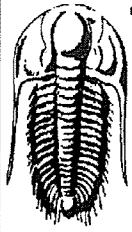
Length (ft)	Description	Volume (bbl)
55.00	mud 100m (oil spots)	0.27

\* 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

**29 20s 34w Scott,KS**

4924 SE 84th St.  
New ton, KS 67114

**Golden Grain #1**

Job Ticket: 55513

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2013.10.08 @ 07:34:00

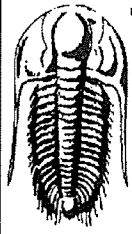
### Tool Information

Drill Pipe:	Length: 4426.00 ft	Diameter: 3.80 inches	Volume: 62.09 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: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 62.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4565.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	245.00 ft			
Tool Length:	272.50 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			4538.50	
Shut In Tool	5.00			4543.50	
Hydraulic tool	5.00			4548.50	
Jars	5.00			4553.50	
Safety Joint	2.50			4556.00	
Packer	5.00			4561.00	27.50 Bottom Of Top Packer
Packer	4.00			4565.00	
Stubb	1.00			4566.00	
Perforations	19.00			4585.00	
Recorder	0.00	6741	Inside	4585.00	
Recorder	0.00	6751	Outside	4585.00	
Change Over Sub	1.00			4586.00	
Drill Pipe	220.00			4806.00	
Change Over Sub	1.00			4807.00	
Bullnose	3.00			4810.00	245.00 Bottom Packers & Anchor

**Total Tool Length: 272.50**



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, KS 67114  
ATTN: Ryan Seib

**29 20s 34w Scott,KS**  
**Golden Grain #1**  
Job Ticket: 55513      **DST#: 3**  
Test Start: 2013.10.08 @ 07:34:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	mud 100m (oil spots)	0.270

Total Length: 55.00 ft      Total Volume: 0.270 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

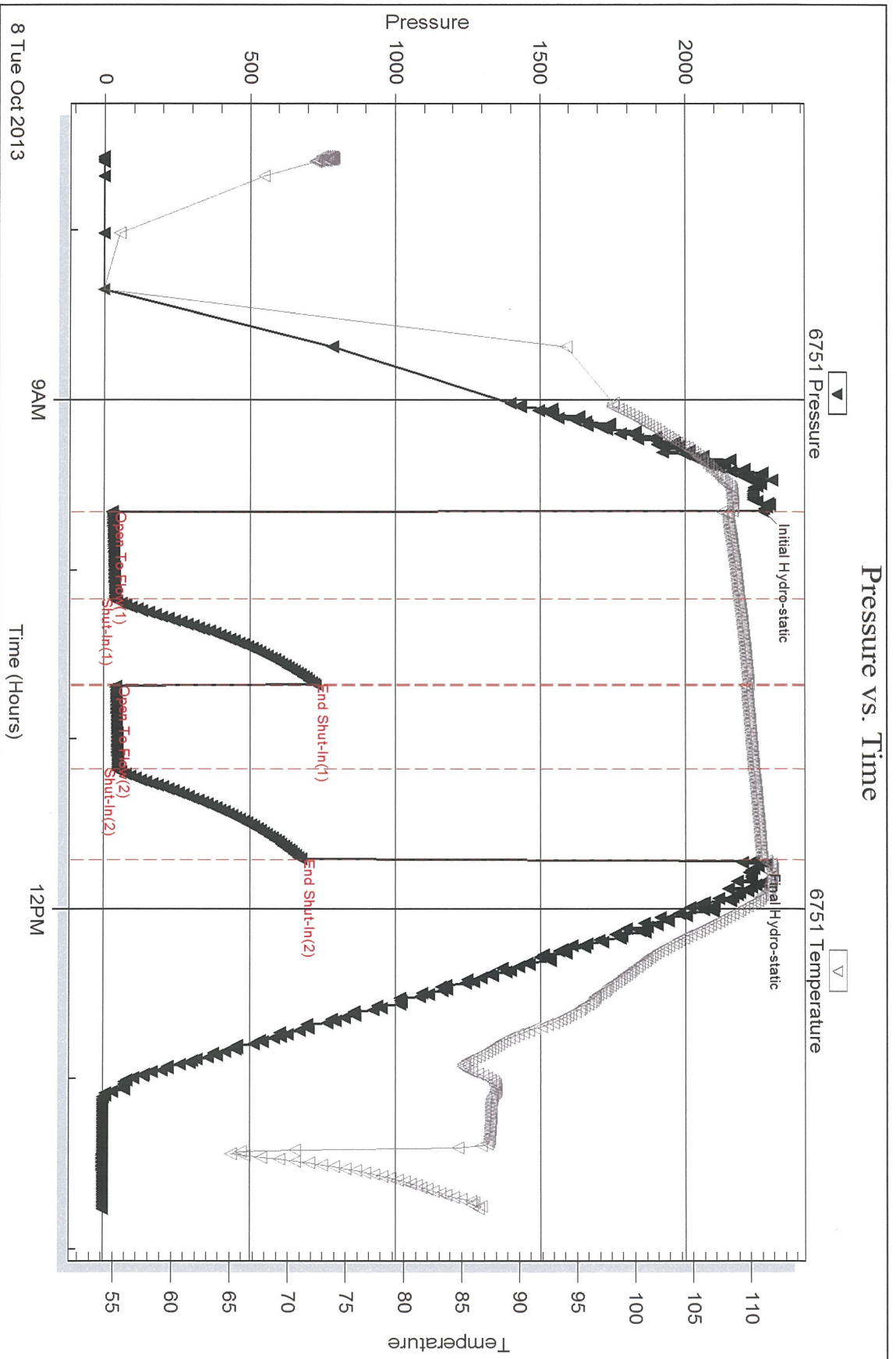
Serial #: 6751

Outside Palominio Petroleum, Inc

Golden Grain #1

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 55513

Printed: 2013.10.14 @ 14:48:46

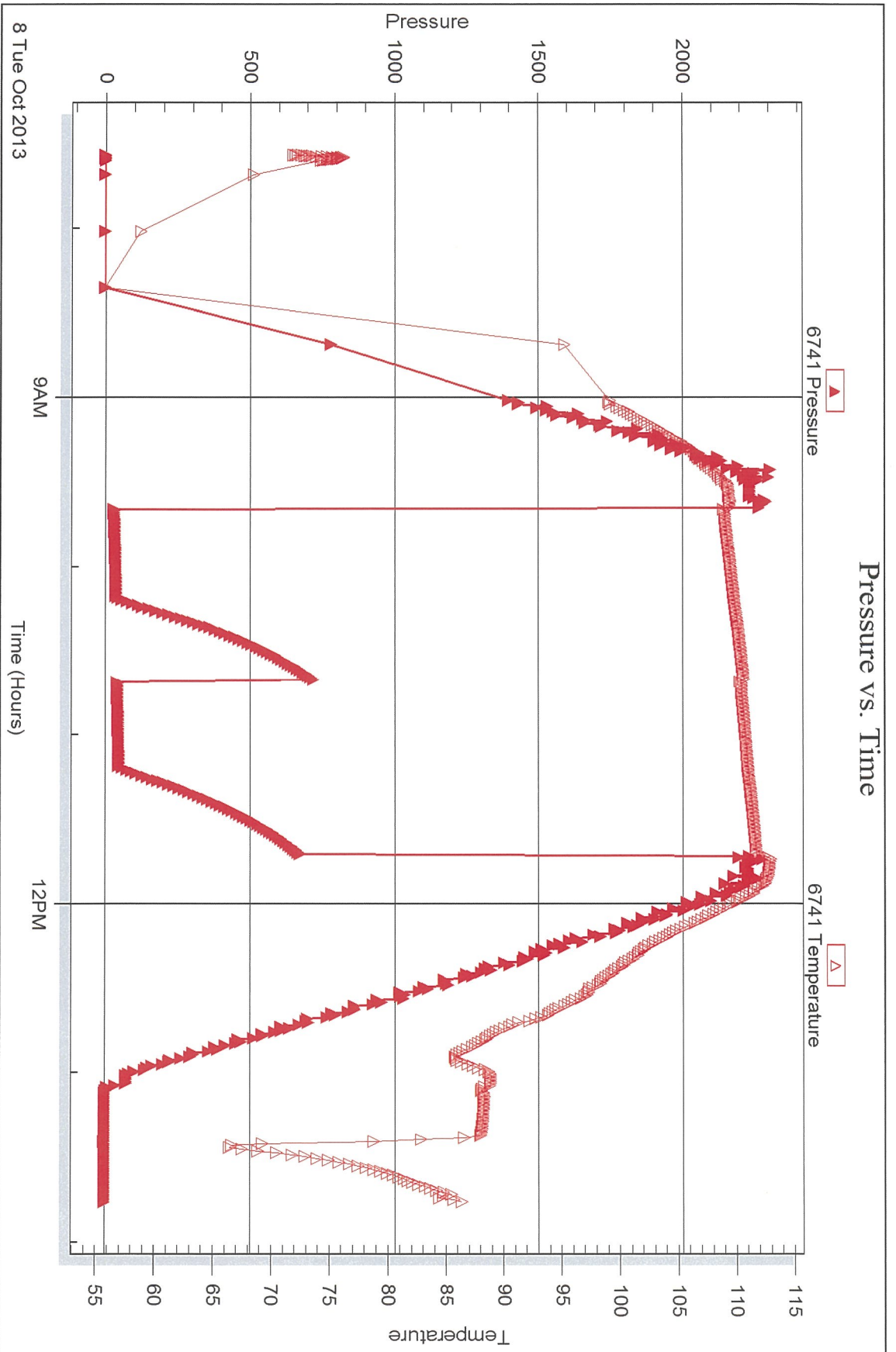
Serial #: 6741

Inside

Palomino Petroleum, Inc

Golden Grain #1

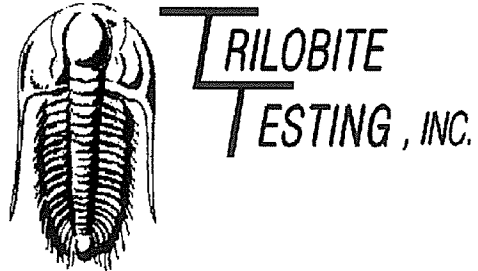
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 55513

Printed: 2013.10.14 @ 14:48:46



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Golden Grain #1**

### **29 20s 34w Scott,KS**

Start Date: 2013.10.08 @ 22:11:00

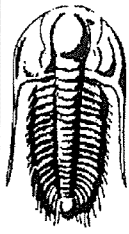
End Date: 2013.10.09 @ 04:31:20

Job Ticket #: 54517                      DST #: 4

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

Printed: 2013.10.14 @ 14:48:19

Palomino Petroleum, Inc  
29 20s 34w Scott,KS  
Golden Grain #1  
DST # 4  
2013.10.08



**TRIOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, KS 67114  
ATTN: Ryan Seib

**29 20s 34w Scott,KS**  
**Golden Grain #1**  
Job Ticket: 54517      **DST#: 4**  
Test Start: 2013.10.08 @ 22:11:00

## GENERAL INFORMATION:

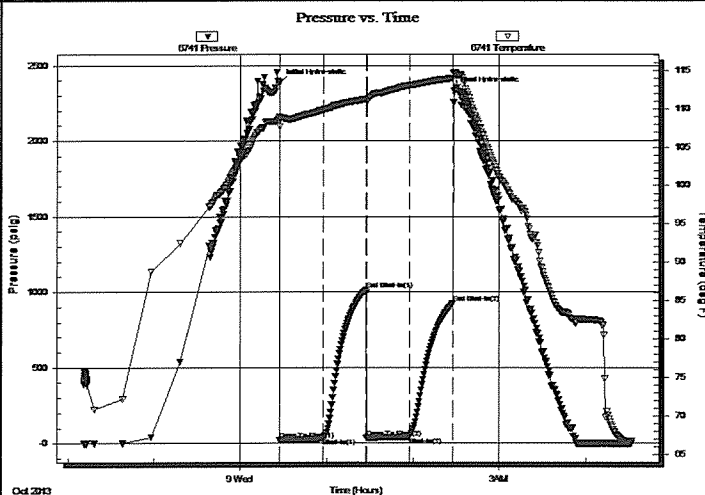
Formation:  
Deviated: No      Whipstock:                      ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 00:27:20      Tester: Cornelio Landa III (  
Time Test Ended: 04:31:20      Unit No: 62  
  
Interval: **4780.00 ft (KB) To 4868.00 ft (KB) (TVD)**      Reference Elevations: 3106.00 ft (KB)  
Total Depth: 4868.00 ft (KB) (TVD)      3101.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Good      KB to GR/CF: 5.00 ft

## Serial #: 6741

Inside

Press@RunDepth: 42.70 psig @ 4785.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.10.08      End Date: 2013.10.09      Last Calib.: 2013.10.09  
Start Time: 22:11:01      End Time: 04:31:20      Time On Btm: 2013.10.09 @ 00:27:10  
Time Off Btm: 2013.10.09 @ 02:28:30

TEST COMMENT: IF: 1" blow  
ISI: No return blow back  
FF: No blow  
FSI: No return blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2384.63	108.92	Initial Hydro-static
1	19.72	107.64	Open To Flow (1)
31	32.33	109.88	Shut-In(1)
60	1013.63	111.25	End Shut-In(1)
61	34.42	110.81	Open To Flow (2)
91	42.70	113.05	Shut-In(2)
121	923.16	114.02	End Shut-In(2)
122	2330.12	114.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m w/oil specs	0.15

\* Recovery from multiple tests

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc

29 20s 34w Scott,KS

4924 SE 84th St.  
Newton, KS 67114

Golden Grain #1

Job Ticket: 54517

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.10.08 @ 22:11:00

### GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:27:20

Time Test Ended: 04:31:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 62

Interval: 4780.00 ft (KB) To 4868.00 ft (KB) (TVD)

Reference Elevations: 3106.00 ft (KB)

Total Depth: 4868.00 ft (KB) (TVD)

3101.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4785.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.08

End Date: 2013.10.09

Last Calib.: 2013.10.09

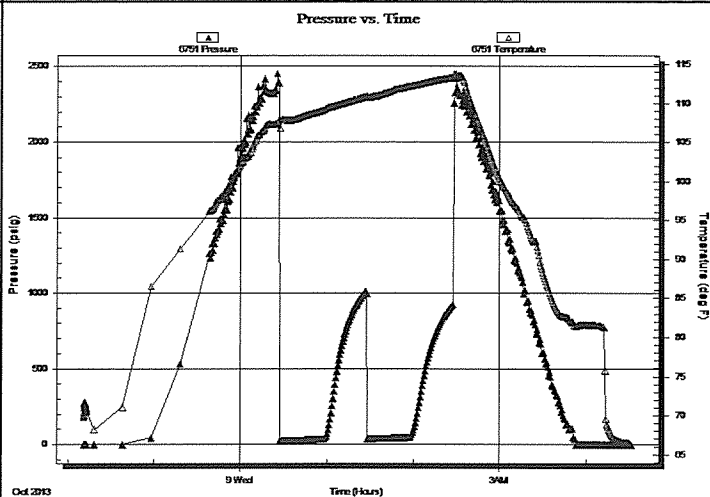
Start Time: 22:11:01

End Time: 04:31:20

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1" blow  
ISI: No return blow back  
FF: No blow  
FSI: No return blow back



### PRESSURE SUMMARY

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

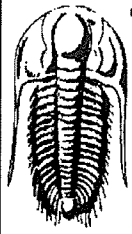
### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m w /oil specs	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  
ATTN: Ryan Seib

**29 20s 34w Scott,KS**  
**Golden Grain #1**  
Job Ticket: 54517      **DST#: 4**  
Test Start: 2013.10.08 @ 22:11:00

**Tool Information**

Drill Pipe:	Length: 4584.00 ft	Diameter: 3.80 inches	Volume: 64.30 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: 22000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 65.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4780.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	115.00 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			4754.00	
Shut In Tool	5.00			4759.00	
Hydraulic tool	5.00			4764.00	
Jars	5.00			4769.00	
Safety Joint	2.00			4771.00	
Packer	5.00			4776.00	27.00      Bottom Of Top Packer
Packer	4.00			4780.00	
Stubb	1.00			4781.00	
Perforations	4.00			4785.00	
Recorder	0.00	6741	Inside	4785.00	
Recorder	0.00	6751	Outside	4785.00	
Perforations	15.00			4800.00	
Change Over Sub	1.00			4801.00	
Drill Pipe	63.00			4864.00	
Change Over Sub	1.00			4865.00	
Bullnose	3.00			4868.00	88.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>115.00</b>				





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

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**29 20s 34w Scott,KS**

4924 SE 84th St.  
New ton, KS 67114

**Golden Grain #1**

Job Ticket: 54517

**DST#: 4**

ATTN: Ryan Seib

Test Start: 2013.10.08 @ 22:11:00

## 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: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100m w/oil specs	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:

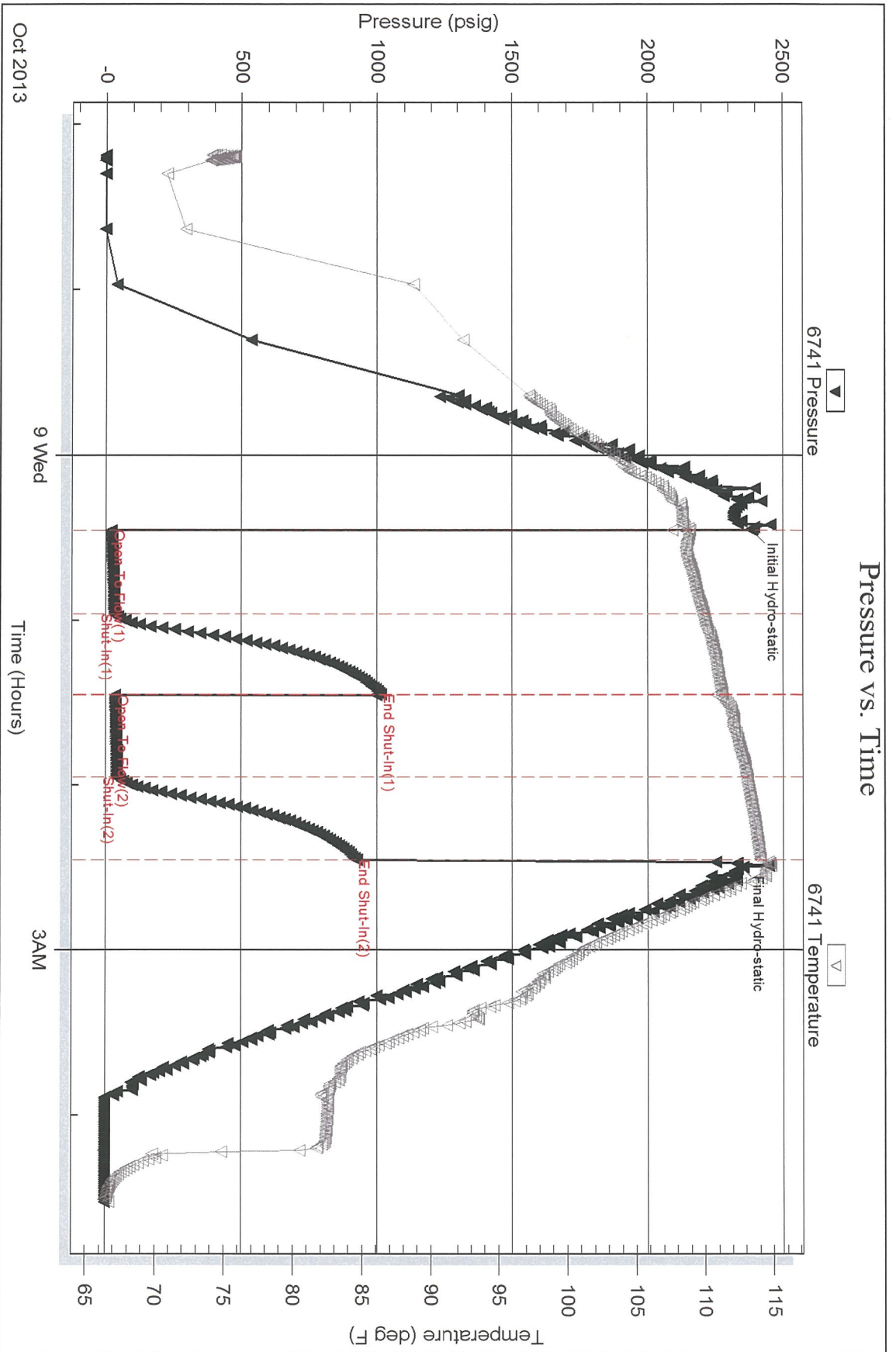
Serial #: 6741

Inside

Palomino Petroleum, Inc

Golden Grain #1

DST Test Number: 4



Triblotech Testing, Inc

Ref. No: 54517

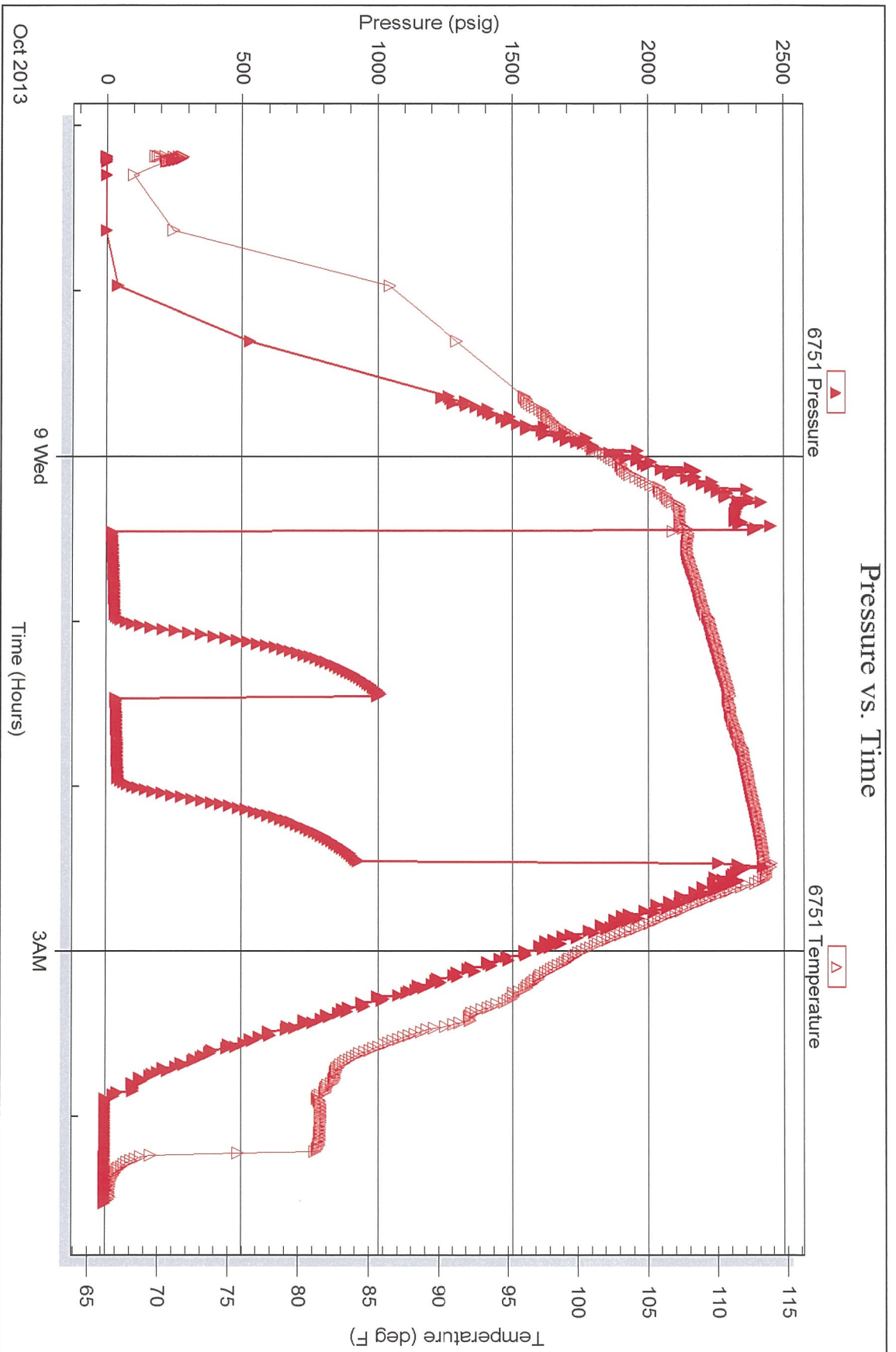
Printed: 2013.10.14 @ 14:48:20

Serial #: 6751

Outside Palomino Petroleum, Inc

Golden Grain #1

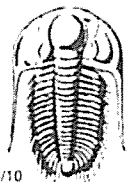
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 54517

Printed: 2013.10.14 @ 14:48:20



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55511

Well Name & No. Golden Grain #1 Test No. 1 Date 10/06/13  
 Company Palmind Petroleum, Inc Elevation 3106 KB 3101 GL  
 Address 4924 SE 84th St, Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW #10  
 Location: Sec. 29 Twp. 209 Rge. 34W Co. Scott State ks

Interval Tested 4205-4277 Zone Tested LKC H-T  
 Anchor Length 72' Drill Pipe Run 4079 Mud Wt. 9.2  
 Top Packer Depth 4200 Drill Collars Run 123 Vis 60  
 Bottom Packer Depth 4205 Wt. Pipe Run 0 WL 5.4  
 Total Depth 4277 Chlorides 6800 ppm System LCM 1#

Blow Description IF: 4 1/2" blow  
IST: No return.  
FF: 2" blow  
FST: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>Mud (Oil Spots)</u>			<u>100</u>	

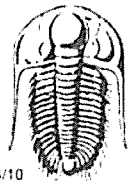
Rec Total 150 BHT 106 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2070  Test 1250 T-On Location 2200  
 (B) First Initial Flow 19  Jars 250 T-Started 2354  
 (C) First Final Flow 78  Safety Joint 75 T-Open 0855  
 (D) Initial Shut-In 1038  Circ Sub \_\_\_\_\_ T-Pulled 0255  
 (E) Second Initial Flow 79  Hourly Standby \_\_\_\_\_ T-Out 0450  
 (F) Second Final Flow 91  Mileage 47.4 72.85 Comments \_\_\_\_\_  
 (G) Final Shut-In 1020  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2055  Straddle \_\_\_\_\_

Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Accessibility \_\_\_\_\_ Total 1897.85  
 Final Flow 30 Sub Total 1897.85 MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55512

Well Name & No. Golden Grain #1 Test No. 2 Date 10/07/13  
 Company Palomino Petroleum, Inc Elevation 3106 KB 3101 GL  
 Address 4924 SE 84<sup>th</sup> St Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW #10  
 Location: Sec. 24 Twp. 20s Rge. 34w Co. Scott State KS

Interval Tested 4494 - 4573 Zone Tested Marathon  
 Anchor Length 79 Drill Pipe Run 4363 Mud Wt. 9.4  
 Top Packer Depth 4789 Drill Collars Run 123 Vis 52  
 Bottom Packer Depth 4794 Wt. Pipe Run 0 WL 88  
 Total Depth 4573 Chlorides 7500 ppm System LCM 2<sup>nd</sup>

Blow Description IF: 2" blow  
ISJ: No return  
FF: 1 1/2' blow  
FSJ: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>MCO</u>	<u>80</u>		<u>20</u>	
<u>50</u>	<u>OCM</u>	<u>20</u>		<u>80</u>	

Rec Total 90 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2222  Test 1250 T-On Location 0200  
 (B) First Initial Flow 16  Jars 250 T-Started 0227  
 (C) First Final Flow 32  Safety Joint 75 T-Open 0425  
 (D) Initial Shut-In 1031  Circ Sub H/c T-Pulled 0625  
 (E) Second Initial Flow 39  Hourly Standby \_\_\_\_\_ T-Out 0826  
 (F) Second Final Flow 50  Mileage 4747 72.85 Comments \_\_\_\_\_  
 (G) Final Shut-In 1003  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2204  Straddle \_\_\_\_\_  Ruined Shale Packer 350

Initial Open 30  Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Total 2247.85  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1897.85

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55513

Well Name & No. Golden Grain # 1 Test No. 3 Date 10/08/13  
 Company Palomino Petroleum, Inc Elevation 3106 KB 301 GL  
 Address 4924 SE 84th St, Newton, ks 67114  
 Co. Rep / Geo. Ryan Sab Rig WW#10  
 Location: Sec. 29 Twp. 20S Rge. 34W Co. Scott State Ks

Interval Tested 4565 - 4810 Zone Tested Lawrence - Ft Scott  
 Anchor Length 245' Drill Pipe Run 4426 Mud Wt. 9.5  
 Top Packer Depth 4560 Drill Collars Run 123 Vis 50  
 Bottom Packer Depth 4565 Wt. Pipe Run 18 WL 9.2  
 Total Depth 4810 Chlorides 7500 ppm System LCM 1.5<sup>20</sup>  
 Blow Description IF: 1" blow  
ISJ: No return  
FP: Surface blow  
FSJ: No return

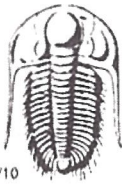
Rec	Feet of	%gas	%oil	%water	%mud
<u>55</u>	<u>MUD</u>			<u>100</u>	
	<u>(OTL Spots)</u>				

Rec Total 55 BHT 111 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2268</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>0530</u>
(B) First Initial Flow <u>29</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>0754</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>0938</u>
(D) Initial Shut-In <u>725</u>	<input checked="" type="checkbox"/> Circ Sub <u>w/c</u>	T-Pulled <u>1138</u>
(E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>073-1346</u>
(F) Second Final Flow <u>48</u>	<input checked="" type="checkbox"/> Mileage <u>47</u> 72.85	Comments _____
(G) Final Shut-In <u>678</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2234</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer 250	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>20</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1897.85</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1897.85</u>	

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54517

Well Name & No. Golden Gram #1 Test No. 4 Date 10-8-13  
 Company Palomino Petroleum Inc Elevation 3106 KB 3101 GL  
 Address 4924 SE 84th St. NEWTON, KS 67114  
 Co. Rep / Geo. Ryan Scib Rig NW #10  
 Location: Sec. 29 Twp. 20S Rge. 34W Co. Scott State KS

Interval Tested 4780-4868 Zone Tested ~~4780-4868~~  
 Anchor Length 88' Drill Pipe Run 4584' Mud Wt. 9.4  
 Top Packer Depth 4776 Drill Collars Run 185' Vis 53  
 Bottom Packer Depth 4780 Wt. Pipe Run 8 WL 9.2  
 Total Depth 4868 Chlorides 6,000 ppm System LCM #1

Blow Description FF: lin of Blow  
FSI: No Return blow back  
FF: No blow  
FSI: No Return blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>mud w/ oil specs</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 Total 30 BHT 114 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2384</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>21:55/10:07</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:11</u> ↑
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:27</u> ↑
(D) Initial Shut-In <u>1013</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>02:27</u> 10/10/13
(E) Second Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Hourly Standby <u>last test 10/8/13 @ 4:30 am</u>	T-Out <u>04:31</u> 40:30
(F) Second Final Flow <u>42</u>	<input checked="" type="checkbox"/> Mileage <u>145.70</u>	Comments <u>Picked up tools @ 10:30 am on 10/10/13</u>
(G) Final Shut-In <u>923</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2330</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

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

Shale Packer 250  
 Extra Packer  
 Extra Recorder  
 Day Standby 1d 6h  
 Accessibility

Sub Total 1970.70

Sub Total 800  
 Total 2770.70  
 MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative [Signature] CLM

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