

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

1272290

Form ACO-1

August 2013

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

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

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

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

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

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

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

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

Spud Date or  
Recompletion Date

Date Reached TD

Completion Date or  
Recompletion Date

API No. 15 - \_\_\_\_\_

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

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

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

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

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

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

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

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

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

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

☐ Confidentiality Requested

Date: \_\_\_\_\_

☐ Confidential Release Date: \_\_\_\_\_

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1272290

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 (Attach Additional Sheets)	<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
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ 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 (Amount and Kind of Material Used)		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 (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	---	--

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	C Thornburg 2
Doc ID	1272290

#### Tops

Name	Top	Datum
Anhy.	1800	(+545)
Base Anhy.	1834	(+511)
Heebner	3620	(-1275)
Lansing	3660	(-1315)
BKC	3957	(-1612)
Marmaton	3970	(-1625)
Pawnee	4095	(-1750)
Ft. Scott	4162	(-1817)
Cherokee Sh.	4189	(-1844)
Miss.	4257	(-1912)
LTD	4389	(-2044)

RECEIVED

Date: 10/29/2015 NOV 04 2015  
 Invoice # 1854

P.O.#:

Due Date: 11/28/2015

Division: Russell

**QUALITY OILWELL CEMENTING, INC.**

PO Box 32 - 740 West Wichita Ave, Russell KS 67665

Phone: 785-324-1041 fax: 785-483-1087

Email: cementing@ruraltel.net

# Invoice

**Contact:**

Palomino Petroleum Inc

**Address/Job Location:**

Palomino Petroleum Inc

4924 SE 84th

Newton Ks 67114

**Reference:**

C THORNBURG 2

**Description of Work:**

SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 606.13	No				
Common-Class A	120	\$ 1,652.19	Yes				
Calcium Chloride	6	\$ 276.99	Yes				
POZ Mix-Standard	30	\$ 174.18	Yes				
Pump Truck Mileage-Job to Nearest Camp	40	\$ 182.47	No				
Bulk Truck Matl-Material Service Charge	159	\$ 131.88	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	40	\$ 116.12	No				
Premium Gel (Bentonite)	3	\$ 40.51	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 3,180.46

Discount Available ONLY if Invoice is Paid & Received  
 within listed terms of invoice: \$ (79.51)

SubTotal for Taxable Items: \$ 2,090.27

SubTotal for Non-Taxable Items: \$ 1,010.68

Total: \$ 3,100.95

Tax: \$ 167.22

8.00% Trego County Sales Tax

Amount Due: \$ 3,268.17

Applied Payments:

Balance Due: \$ 3,268.17

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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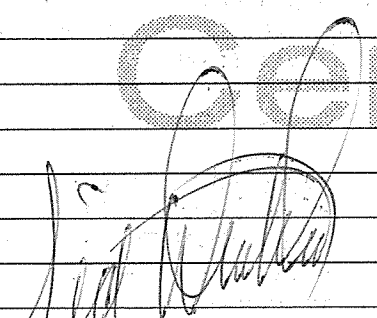
# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 1854

Date	10-29-15	Sec.	8	Twp.	15	Range	25	County	Trego	State	KS	On Location		Finish	7:30 PM
Location								Collyer 5 to Y Rd 2W 3/4 S							
Lease								C Thornburg		Well No.		2		Owner	
Contractor								WW2		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Type Job								Surface		Charge To					
Hole Size								12 1/4		T.D.		210			
Csg.								8 5/8		Depth		210			
Tbg. Size										Depth					
Tool										Depth					
Cement Left in Csg.								20'		Shoe Joint		Cement Amount Ordered			
												150 8% 20 3% cc 2% bel			
Meas Line								Displace		12 bbl					
<b>EQUIPMENT</b>															
Pumptrk								20		No.		Cementer		Common	
												Helper		120	
Bulktrk								21		No.		Driver		Poz. Mix	
												Driver		30	
Bulktrk								PU		No.		Driver		Gel.	
												Driver		6	
												Driver		Calcium	
												Driver		3	
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:								Hulls							
Rat Hole								Salt							
Mouse Hole								Flowseal							
Centralizers								Kol-Seal							
Baskets								Mud CLR 48							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
								Sand							
								Handling							
								159							
								Mileage							
<b>FLOAT EQUIPMENT</b>															
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Surface							
								Mileage							
								40							
								Tax							
								Discount							
								Total Charge							
X Signature															



## QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665

Phone: 785-324-1041 fax: 785-483-1087

Email: cementing@ruraltel.net

RECEIVED

Date: 11/5/2015  
Invoice # 1178

NOV 09 2015

P.O.#:

Due Date: 12/5/2015

Division: Russell

# Invoice

**Contact:**

Palomino Petroleum Inc

**Address/Job Location:**

Palomino Petroleum Inc

4924 SE 84th

Newton Ks 67114

**Reference:**

C THORNBURG 2

**Description of Work:**

PLUG JOB

**Services / Items Included:**

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 606.13	Yes				
Common-Class A	144	\$ 1,982.63	Yes				
POZ Mix-Standard	96	\$ 557.36	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 206.52	Yes				
Pump Truck Mileage-Job to Nearest Camp	40	\$ 182.47	Yes				
Premium Gel (Bentonite)	9	\$ 121.53	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	40	\$ 116.12	Yes				
Flo Seal	60	\$ 99.53	Yes				
Dry Hole Plug	1	\$ 46.45	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 3,918.74

Discount Available ONLY if Invoice is Paid & Received  
within listed terms of invoice: \$ (97.97)

SubTotal for Taxable Items: \$ 3,820.77

SubTotal for Non-Taxable Items: \$ -

Total: \$ 3,820.77

Tax: \$ 305.66

8.00% Trego County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 4,126.43**

**Applied Payments:**

**Balance Due: \$ 4,126.43**

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 1178

Date	11-5-15	Sec.	8	Twp.	15	Range	25	County	Trego	State	KS	On Location		Finish	1145
Lease								C thornburg		Well No.		2			
Contractor								W W Dalling		Owner		To Quality Oilwell Cementing, Inc.			
Type Job								Plug		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size								7 1/8		Charge To		Palomino Petroleum inc			
Csg.								7 1/8		Street					
Tbg. Size								DP 4 1/2		City		State			
Tool										The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.										Cement Amount Ordered		240 sts 6 9/40 4 1/2 gels 1 1/4 hrs			
Meas Line								Displace mud / 1120							
EQUIPMENT		Common		144											
Pumptrk								20 No.		Cementer		Brett			
Bulktrk								14 No.		Helper		96			
Bulktrk								14 No.		Driver		9			
Bulktrk								14 No.		Driver		Calcium			
Bulktrk								14 No.		Driver		Hulls			
JOB SERVICES & REMARKS		Salt													
Remarks:										Flowseal		60#			
Rat Hole										Kol-Seal					
Mouse Hole										Mud CLR 48					
Centralizers										CFL-117 or CD110 CAF 38					
Baskets										Sand					
D/V or Port Collar										Handling		249			
1st 1525' 50 sts										Mileage					
2nd 765' 100 sts										FLOAT EQUIPMENT					
3rd 260' 50 sts										Guide Shoe					
4th 40' 10 sts										Centralizer					
Rat 30 sts.										Baskets					
										AFU Inserts					
										Float Shoe					
										Latch Down					
										wood plug					
										Pumptrk Charge		plug			
										Mileage		40			
Signature				Tax											
				Discount											
				Total Charge											

# DIAMOND TESTING

## General Information Report

### General Information

Company Name PALOMINO PETROLEUM, INC.  
Contact KLEE WATCHOUS  
Well Name C THORNBURG #2  
Unique Well ID DST #1, LANSING, 3810-3956  
Surface Location SEC 8-15S-25W, TREGO CO. KS.  
Field WILDCAT  
Well Type Vertical  
Test Type CONVENTIONAL  
Formation DST #1, LANSING, 3810-3956  
Well Fluid Type 01 Oil

Start Test Date 2015/11/03  
Final Test Date 2015/11/03

Representative TIM VENTERS  
Well Operator PALOMINO PETROLEUM, INC.  
Report Date 2015/11/03  
Prepared By TIM VENTERS  
Qualified By ANDREW STENZEL

Start Test Time 06:25:00  
Final Test Time 12:03:00

### Test Recovery:

RECOVERED: 65' M W/TR. O, TRACE OIL, 100% MUD

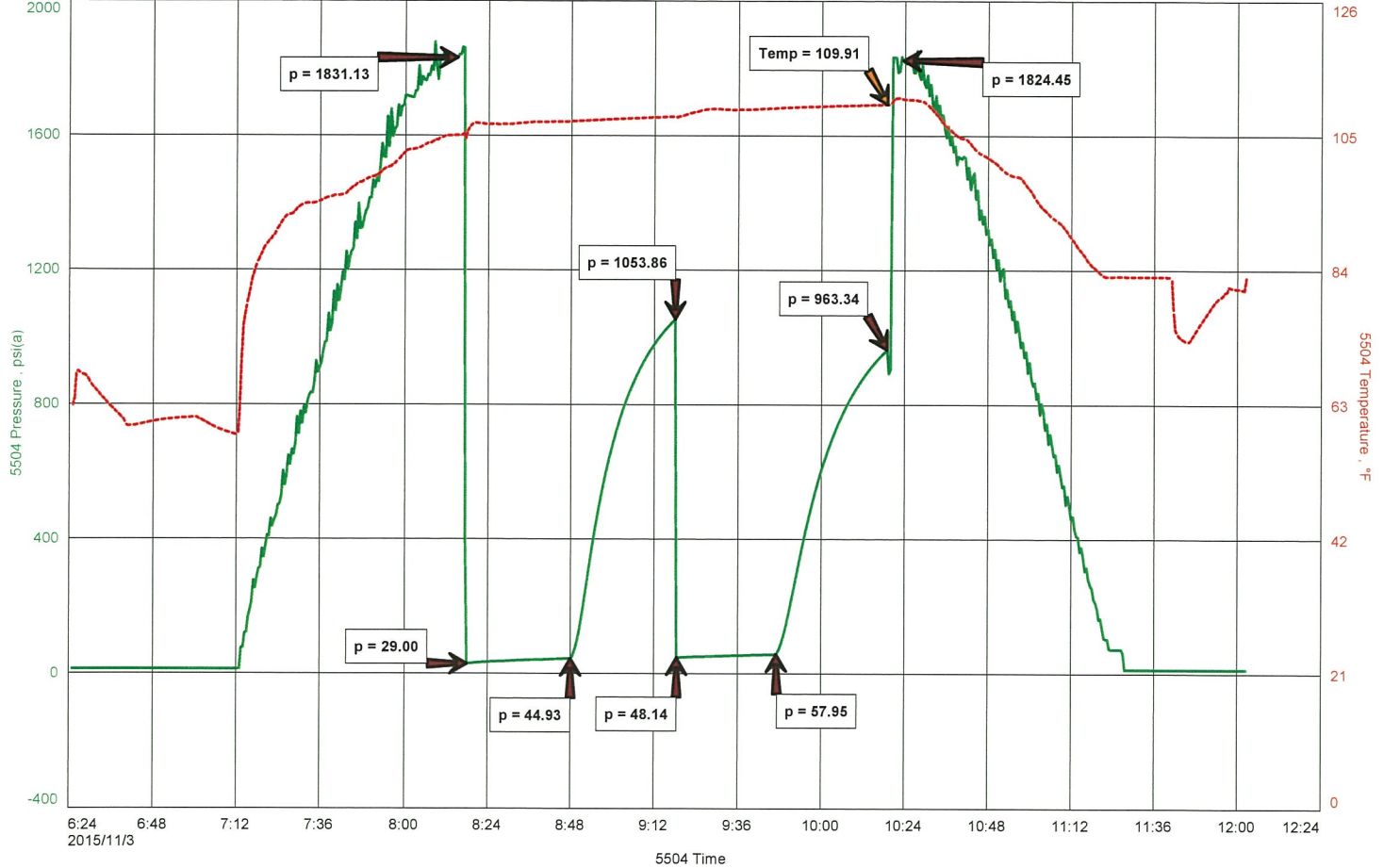
TOOL SAMPLE: 1% OIL, 99% MUD

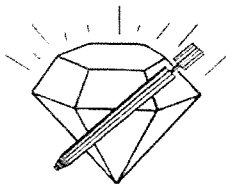


PALOMINO PETROLEUM, INC.  
DST #1, LANSING, 3810-3956  
Start Test Date: 2015/11/03  
Final Test Date: 2015/11/03

C THORNBURG #2  
Formation: DST #1, LANSING, 3810-3956  
Pool: WILDCAT  
Job Number: T510

C THORNBURG #2





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: CTHORNBURG2DST1

TIME ON: 06:25  
TIME OFF: 12:03

Company PALOMINO PETROLEUM, INC. Lease & Well No. C THORNBURG #2  
Contractor VW DRILLING, LLC RIG #8 Charge to PALOMINO PETROLEUM, INC.  
Elevation 2345 KB Formation LANSING Effective Pay \_\_\_\_\_ Ft. Ticket No. T510  
Date 11-3-15 Sec. 8 Twp. 15 S Range 25 W County TREGO State KANSAS  
Test Approved By ANDREW STENZEL Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 3810 ft. to 3956 ft. Total Depth 3956 ft.  
Packer Depth 3805 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3810 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3791 ft. Recorder Number 5504 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3953 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type CHEMICAL Viscosity 53 Drill Collar Length 117 ft. I.D. 2 1/4 in.  
Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 1,600 P.P.M. Drill Pipe Length 3660 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 1 1/4 INCH. (NO BB)  
2nd Open: WEAK SURFACE BLOW, BUILDING TO 1/4 INCH. (NO BB)

Recovered 65 ft. of M W/TR. O, TRACE OIL, 100% MUD

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Price Job

Other Charges

Insurance

TOOL SAMPLE: 1% OIL, 99% MUD

Total

Time Set Packer(s) 8:17 AM A.M. P.M. Time Started Off Bottom 10:17 AM A.M. P.M. Maximum Temperature 110 deg.

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 1831 P.S.I.  
Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 29 P.S.I. to (C) 45 P.S.I.  
Initial Closed In Period \_\_\_\_\_ Minutes 30 (D) 1054 P.S.I.  
Final Flow Period \_\_\_\_\_ Minutes 30 (E) 48 P.S.I. to (F) 58 P.S.I.  
Final Closed In Period \_\_\_\_\_ Minutes 30 (G) 963 P.S.I.  
Final Hydrostatic Pressure \_\_\_\_\_ (H) 1824 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# DIAMOND TESTING

## General Information Report

### General Information

Company Name PALOMINO PETROLEUM, INC.  
Contact KLEE WATCHOUS  
Well Name C THORNBURG #2  
Unique Well ID  
Surface Location SEC 8-15S-25W, TREGO CO. KS.  
Field WILDCAT  
Well Type Vertical  
Test Type CONVENTIONAL  
Formation DST #2, MISSISSIPPIAN, 4185-4302  
Well Fluid Type 01 Oil

Start Test Date 2015/11/04  
Final Test Date 2015/11/04

Representative TIM VENTERS  
Well Operator PALOMINO PETROLEUM, INC.  
Report Date 2015/11/04  
Prepared By TIM VENTERS  
Qualified By ANDREW STENZEL

Start Test Time 12:42:00  
Final Test Time 19:26:00

### Test Recovery:

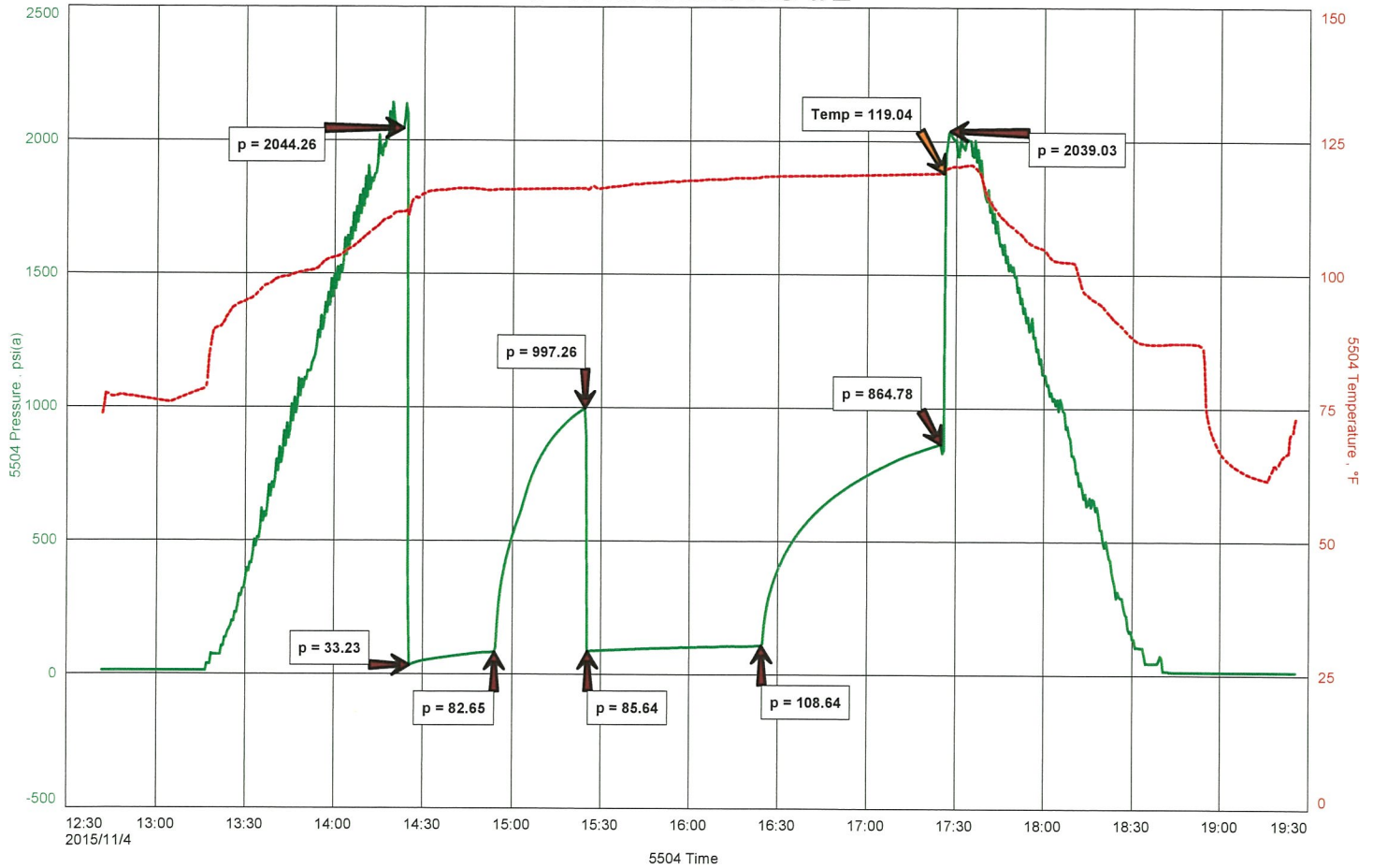
RECOVERED: 5' CLEAN OIL, GRAVITY: 39  
180' SOCM, 16% OIL, 84% MUD  
185' TOTAL FLUID

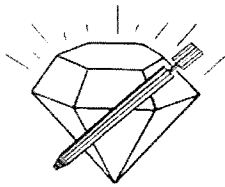
TOOL SAMPLE: 13% OIL, 87% MUD

PALOMINO PETROLEUM, INC.  
Start Test Date: 2015/11/04  
Final Test Date: 2015/11/04

C THORNBURG #2  
Formation: DST #2, MISSISSIPPIAN, 4185-4302  
Pool: WILDCAT  
Job Number: T511

C THORNBURG #2





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: CTHORNBURG2DST2

TIME ON: 12:42  
TIME OFF: 19:26

Company PALOMINO PETROLEUM, INC. Lease & Well No. C THORNBURG #2  
Contractor VW DRILLING, LLC RIG #8 Charge to PALOMINO PETROLEUM, INC.  
Elevation 2345 KB Formation MISSISSIPPIAN Effective Pay \_\_\_\_\_ Ft. Ticket No. T511  
Date 11-4-15 Sec. 8 Twp. 15 S Range 25 W County TREGO State KANSAS  
Test Approved By ANDREW STENZEL Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4185 ft. to 4302 ft. Total Depth 4302 ft.  
Packer Depth 4180 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4185 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4166 ft. Recorder Number 5504 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4299 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type CHEMICAL Viscosity 53 Drill Collar Length 117 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2,400 P.P.M. Drill Pipe Length 4035 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 24 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 4 1/2 INCHES. (NO BB)  
2nd Open: WEAK SURFACE BLOW, BUILDING TO 3 3/4 INCHES. (NO BB)

Recovered 5 ft. of CLEAN OIL, 100% OIL, GRAVITY: 39  
Recovered 180 ft. of SOCM, 16% OIL, 84% MUD  
Recovered 185 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance

Remarks: \_\_\_\_\_  
TOOL SAMPLE: 13% OIL, 87% MUD  
Total

Time Set Packer(s) 2:25 PM A.M. P.M. Time Started Off Bottom 5:25 PM A.M. P.M. Maximum Temperature 119 deg.  
Initial Hydrostatic Pressure..... (A) 2044 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 33 P.S.I. to (C) 83 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 997 P.S.I.  
Final Flow Period..... Minutes 60 (E) 86 P.S.I. to (F) 109 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 865 P.S.I.  
Final Hydrostatic Pressure..... (H) 2039 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# DIAMOND TESTING

## General Information Report

### General Information

Company Name PALOMINO PETROLEUM, INC.  
Contact KLEE WATCHOUS  
Well Name C THORNBURG #2  
Unique Well ID DST #3, MISSISSIPPIAN, 4283-4324  
Surface Location SEC 8-15S-25W, TREGO CO. KS.  
Field WILDCAT  
Well Type Vertical  
Test Type STRADDLE  
Formation DST #3, MISSISSIPPIAN, 4283-4324  
Well Fluid Type 01 Oil

Start Test Date 2015/11/05  
Final Test Date 2015/11/05

Representative TIM VENTERS  
Well Operator PALOMINO PETROLEUM, INC.  
Report Date 2015/11/05  
Prepared By TIM VENTERS  
Qualified By ANDREW STENZEL

Start Test Time 09:58:00  
Final Test Time 16:29:00

### Test Recovery:

RECOVERED: 155' SO&MCW, 1% OIL, 79% WATER, 20% MUD

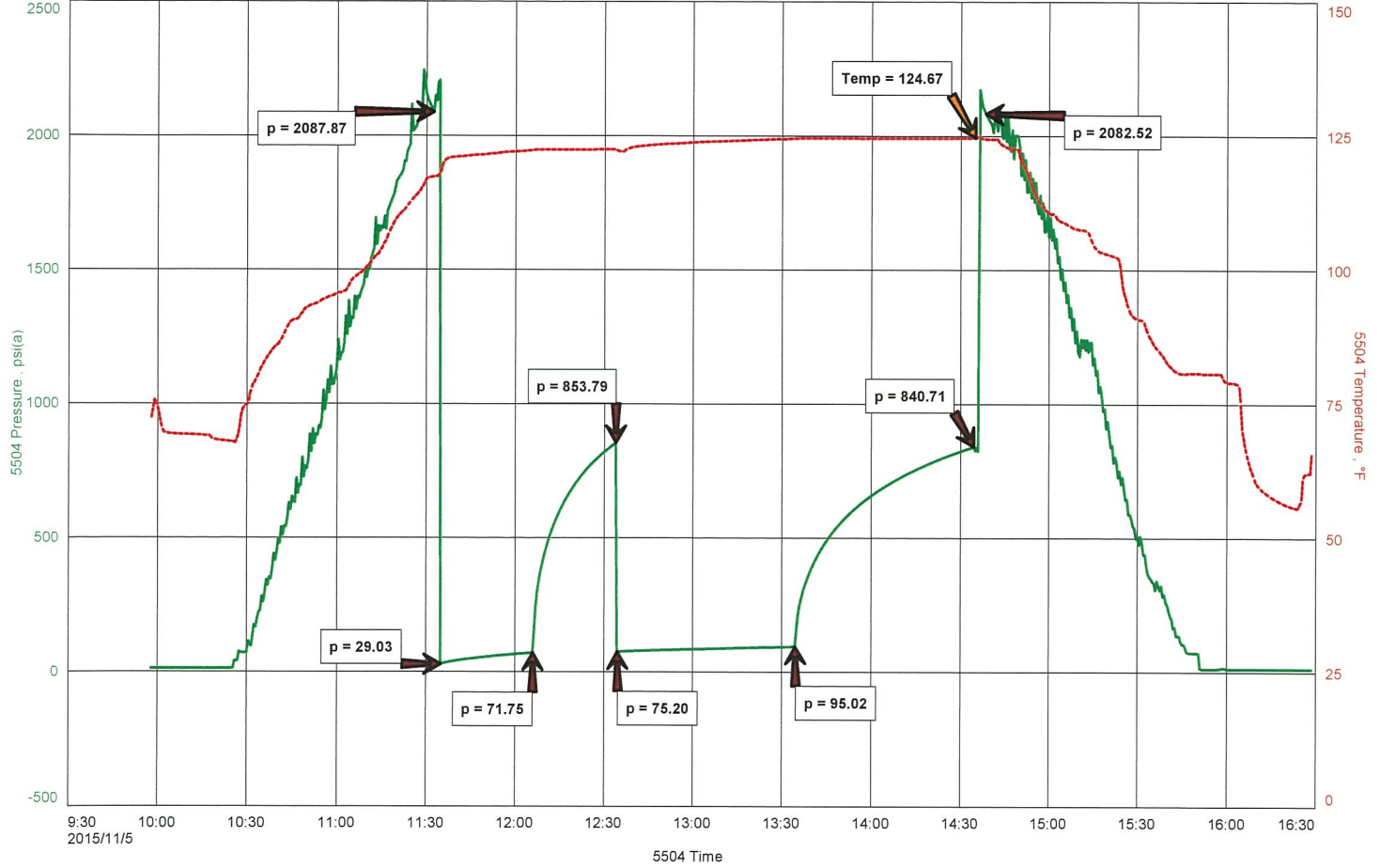
TOOL SAMPLE: 1% OIL, 65% WATER, 34% MUD

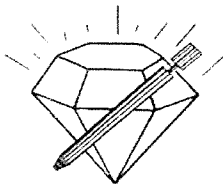
CHLORIDES: 43,000 ppm  
PH: 7.0  
RW. .13 @ 68 deg.

PALOMINO PETROLEUM, INC.  
DST #3, MISSISSIPPIAN, 4283-4324  
Start Test Date: 2015/11/05  
Final Test Date: 2015/11/05

C THORNBURG #2  
Formation: DST #3, MISSISSIPPIAN, 4283-4324  
Pool: WILDCAT  
Job Number: T512

C THORNBURG #2





**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: CTHORNBURG2DST3

TIME ON: 09:58  
TIME OFF: 16:29

Company PALOMINO PETROLEUM, INC. Lease & Well No. C THORNBURG #2  
Contractor WW DRILLING, LLC RIG #8 Charge to PALOMINO PETROLEUM, INC.  
Elevation 2345 KB Formation MISSISSIPPIAN Effective Pay \_\_\_\_\_ Ft. Ticket No. T512  
Date 11-5-15 Sec. 8 Twp. 15 S Range 25 W County TREGO State KANSAS  
Test Approved By ANDREW STENZEL Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4283 ft. to 4324 ft. Total Depth 4324 ft.  
Packer Depth 4278 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4283 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside)	<u>4264</u> ft.	Recorder Number	<u>5504</u>	Cap.	<u>5,000</u> P.S.I.
Bottom Recorder Depth (Outside)	<u>4321</u> ft.	Recorder Number	<u>13819</u>	Cap.	<u>5,025</u> P.S.I.
Below Straddle Recorder Depth	<u>4386</u> ft.	Recorder Number	<u>11029</u>	Cap.	<u>5,025</u> P.S.I.
Mud Type <u>CHEMICAL</u>	Viscosity <u>54</u>	Drill Collar Length	<u>117</u> ft.	I.D.	<u>2 1/4</u> in.
Weight <u>9.2</u>	Water Loss <u>7.8</u> cc.	Weight Pipe Length	<u>0</u> ft.	I.D.	<u>2 7/8</u> in.
Chlorides <u>2,600</u> P.P.M.		Drill Pipe Length	<u>4198</u> ft.	I.D.	<u>3 1/2</u> in.
Jars: Make <u>STERLING</u>	Serial Number <u>2</u>	Test Tool Length	<u>33</u> ft.	Tool Size	<u>3 1/2-IF</u> in.
Did Well Flow? <u>NO</u>	Reversed Out <u>NO</u>	Anchor Length	<u>11</u> ft.	Size	<u>4 1/2-FH</u> in.
Main Hole Size <u>7 7/8</u>	Tool Joint Size <u>4 1/2 XH</u> in.	Surface Choke Size	<u>1</u> in.	Bottom Choke Size	<u>5/8</u> in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 3 1/2 INCHES. (NO BB)  
2nd Open: WEAK SURFACE BLOW, BUILDING TO 2 1/2 INCHES. (NO BB)

Recovered 155 ft. of SO&MCW, 1% OIL, 79% WATER, 20% MUD

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of CHLORIDES: 43,000 ppm

Recovered \_\_\_\_\_ ft. of PH: 7.0

Price Job

Recovered \_\_\_\_\_ ft. of RW: .13 @ 68 deg.

Other Charges

Remarks: \_\_\_\_\_

Insurance

TOOL SAMPLE: 13% OIL, 87% MUD

Total

Time Set Packer(s) 11:34 AM A.M. P.M. Time Started Off Bottom 2:34 PM A.M. P.M. Maximum Temperature 125 deg.

Initial Hydrostatic Pressure	(A)	<u>2088</u> P.S.I.
Initial Flow Period	Minutes <u>30</u> (B)	<u>29</u> P.S.I. to (C) <u>72</u> P.S.I.
Initial Closed In Period	Minutes <u>30</u> (D)	<u>854</u> P.S.I.
Final Flow Period	Minutes <u>60</u> (E)	<u>75</u> P.S.I. to (F) <u>95</u> P.S.I.
Final Closed In Period	Minutes <u>60</u> (G)	<u>841</u> P.S.I.
Final Hydrostatic Pressure	(H)	<u>2083</u> P.S.I.

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