



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1194784  
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: \_\_\_\_\_

1194784

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

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

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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> _____
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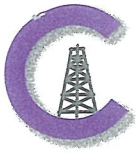
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<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> <input type="checkbox"/> Other <i>(Specify)</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	Prosper 1
Doc ID	1194784

Tops

Name	Top	Datum
Anhy.	2220	(+ 841)
Base Anhy.	2244	(+ 817)
Heebner	3916	(- 855)
Lansing	3958	(- 897)
BKC	4421	(-1360)
Marmaton	4451	(-1391)
Pawnee	4534	(-1473)
Ft. Scott	4459	(-1408)
Cherokee Sh.	4573	(-1512)
Miss.	4838	(-1777)
LTD	4968	(-1907)



**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

DEC 13 2012 MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 264625

Invoice Date: 12/11/2013 Terms: 10/10/30,n/30

Page 1

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

PROSPER #1  
44471  
15-20-34W  
12-07-2013  
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
1111	SODIUM CHLORIDE (GRANULA)	100.00	.0000	.00

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

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

Amount Due 5870.79 if paid after 01/10/2014

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





264625

TICKET NUMBER 44471  
 LOCATION DAKLEY KS.  
 FOREMAN DAMON M.

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
12-1-13	6285	PROSPER #1	15	20	34W	scott
CUSTOMER PALAMINO PETROLEUM			Scott city 5 to 2040			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			8 1/2 W	399		TIM W.
STATE			to farmers	460		MIKE R.
ZIP CODE			W GATE			
			5 into			

JOB TYPE SURFACE HOLE SIZE 12 1/4 HOLE DEPTH 212 CASING SIZE & WEIGHT 8 5/8 24#  
 CASING DEPTH 217.68 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 20'  
 DISPLACEMENT 12.59 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting rig up on WW #10 RUN CASING CIRCULATE ON BOTTOM  
MIX 165 SKS CLASS A CEMENT 3% CC 2% GEL DISPLACED WITH 1259 BBL OP H2O  
SHOT IN WASHED UP AND RIGGED DOWN.

CEMENT DID CIRCULATE  
APPROX 4 BBL TO THE PIT.

THANK YOU DAMON & CREW

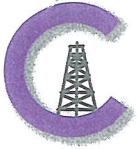
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00 ✓
5406	45	MILEAGE	5.25	236.25 ✓
5407A	7.76	LOW MILEAGE DELIVERY	1.75	611.10 ✓
11045	165 SKS	CLASS A CEMENT	18.55	3060.75 ✓
1102	465#	CALCIUM CHLORIDE	.94	437.10 ✓
1118B	310#	BETONITE	.27	83.70 ✓
1111	100#	SALT	N/C	N/C ✓
			SUBTOTAL	5578.90 ✓
			LESS 10% DISC	557.89 ✓
			SUBTOTAL	5021.01 ✓
			8.15	SALES TAX
				ESTIMATED TOTAL
				5283.71 ✓

SCANNED

Revin 3737

AUTHORIZATION [Signature] TITLE J P DATE 12-7-13

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.



**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**

**DEC 20 2012**

**INVOICE**

Invoice # 264848

Invoice Date: 12/18/2013 Terms: 10/10/30,n/30 Page 1

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

PROSPER #1  
44604  
15-20-34  
12-17-2013  
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
1111	SODIUM CHLORIDE (GRANULA	100.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-473.50
9995-130	CEMENT EQUIPMENT DISCOUNT	-254.56

Description	Hours	Unit Price	Total
463 SINGLE PUMP	1.00	1395.00	1395.00
463 EQUIPMENT MILEAGE (ONE WAY)	45.00	5.25	236.25
566 TON MILEAGE DELIVERY	1.00	914.40	914.40

Amount Due 7666.54 if paid after 01/17/2014

Parts:	4734.99	Freight:	.00	Tax:	347.31	AR	6899.89
Labor:	.00	Misc:	.00	Total:	6899.89		
Sublt:	-728.06	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

264848

TICKET NUMBER: 44604

LOCATION: Oakley Co.

FOREMAN: Dauen

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

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

Co.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
12/17/13	6285	Prosper #1	15	20	34	Scott	
CUSTOMER Palomino Petroleum			500th City				
MAILING ADDRESS			5 to 40				
CITY			8 1/2 W				
STATE			to farmery				
ZIP CODE			W Gate				
			Sinto				
TRUCK #		DRIVER		TRUCK #		DRIVER	
463		Cory					
566		Steven					
Helper		Stan					

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4968 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 2250 4/6 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 125 to 13 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting Rig up on WW-10 Plug as ordered

- 2250 - 505 KS
- 1250 - 80 SKS
- 630 - 505KS
- 242 - 40 SKS      270 SKS 60/40 4% Gel 1/4" Floseal
- 60 - 20 SKS
- Plug Rathole 30SKS

*Thanks Dauen & Crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	\$1395.00	\$1395.00
5406	45	MILEAGE	\$5.25	\$236.25
5407A	11.61	Ton Mileage Delivery	\$7.75	\$914.40
1131	270 SKs	60/40 Poz mix	\$15.86	\$4282.20
1118 B	929*	Bentonite	\$0.27	\$250.83
1107	68*	Floseal	\$2.92	\$201.96
1111	100*	Salt	NC	NC
			SubTotal	\$7280.64
			Less 10%	\$728.06
			SubTotal	\$6552.58
			SALES TAX 8.15	347.31
			ESTIMATED TOTAL	6899.89

**completed**

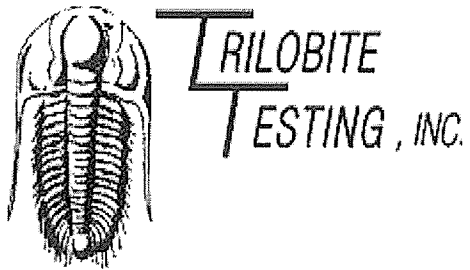
Revin 8737

AUTHORIZATION:

TITLE: T.P.

DATE: 12-18-13

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

### **Prosper #1**

#### **15-20s-34w Scott, KS**

Start Date: 2013.12.12 @ 09:17:00

End Date: 2013.12.12 @ 15:04:20

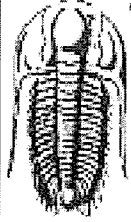
Job Ticket #: 55560                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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





**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

15-20s-34w Scott, KS

4924 SE 84th St.  
New ton, KS 67114

Prosper #1

Job Ticket: 55560

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.12.12 @ 09:17:00

### GENERAL INFORMATION:

Formation: **LKC 'G'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:25:20

Time Test Ended: 15:04:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: **4110.00 ft (KB) To 4154.00 ft (KB) (TVD)**

Reference Elevations: 3061.00 ft (KB)

Total Depth: 4154.00 ft (KB) (TVD)

3056.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: **6751**

Outside

Press@RunDepth: 314.46 psig @ 4113.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.12

End Date:

2013.12.12

Last Calib.: 2013.12.12

Start Time: 09:17:02

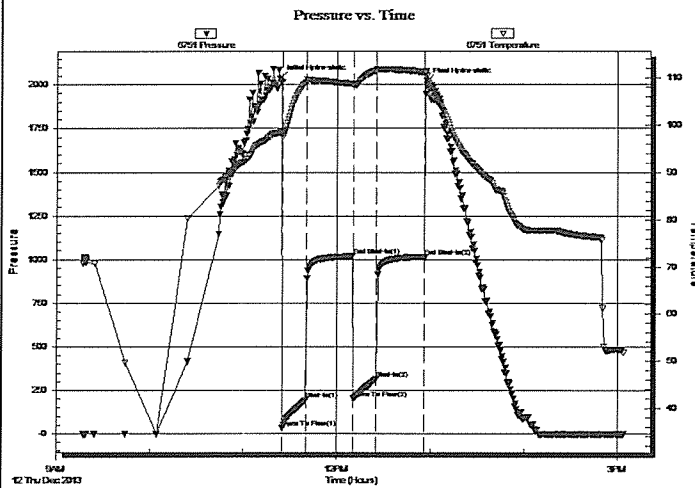
End Time:

15:04:19

Time On Btm: 2013.12.12 @ 11:23:20

Time Off Btm: 2013.12.12 @ 12:57:00

TEST COMMENT: B.O.B. @ 6 min.  
No return.  
B.O.B. @ 6 1/2 min.  
Weak return died @ 10 min.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2034.45	98.49	Initial Hydro-static
2	33.07	97.59	Open To Flow (1)
17	193.41	109.15	Shut-In(1)
47	1018.52	108.83	End Shut-In(1)
48	198.90	108.50	Open To Flow (2)
62	314.46	111.64	Shut-In(2)
93	1015.94	111.22	End Shut-In(2)
94	2020.07	111.11	Final Hydro-static

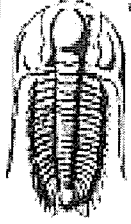
### Recovery

Length (ft)	Description	Volume (bbl)
496.00	MW 10m 90w Popping gas	5.84
124.00	MW 50m 50w	1.74
90.00	WM 15w 85m	1.26

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
Newton, KS 67114

**Prosper #1**

Job Ticket: 55560

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2013.12.12 @ 09:17:00

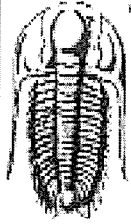
**Tool Information**

Drill Pipe:	Length: 3982.00 ft	Diameter: 3.80 inches	Volume: 55.86 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.50 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4110.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	71.50 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			4083.50	
Shut In Tool	5.00			4088.50	
Hydraulic tool	5.00			4093.50	
Jars	5.00			4098.50	
Safety Joint	2.50			4101.00	
Packer	5.00			4106.00	27.50 Bottom Of Top Packer
Packer	4.00			4110.00	
Stubb	1.00			4111.00	
Perforations	2.00			4113.00	
Recorder	0.00	8357	Inside	4113.00	
Recorder	0.00	6751	Outside	4113.00	
Perforations	5.00			4118.00	
Change Over Sub	1.00			4119.00	
Drill Pipe	31.00			4150.00	
Change Over Sub	1.00			4151.00	
Bullnose	3.00			4154.00	44.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>71.50</b>				





**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55560

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2013.12.12 @ 09:17:00

### 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:

52000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 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
496.00	MW 10m 90w Popping gas	5.837
124.00	MW 50m 50w	1.739
90.00	WM 15w 85m	1.262

Total Length: 710.00 ft

Total Volume: 8.838 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

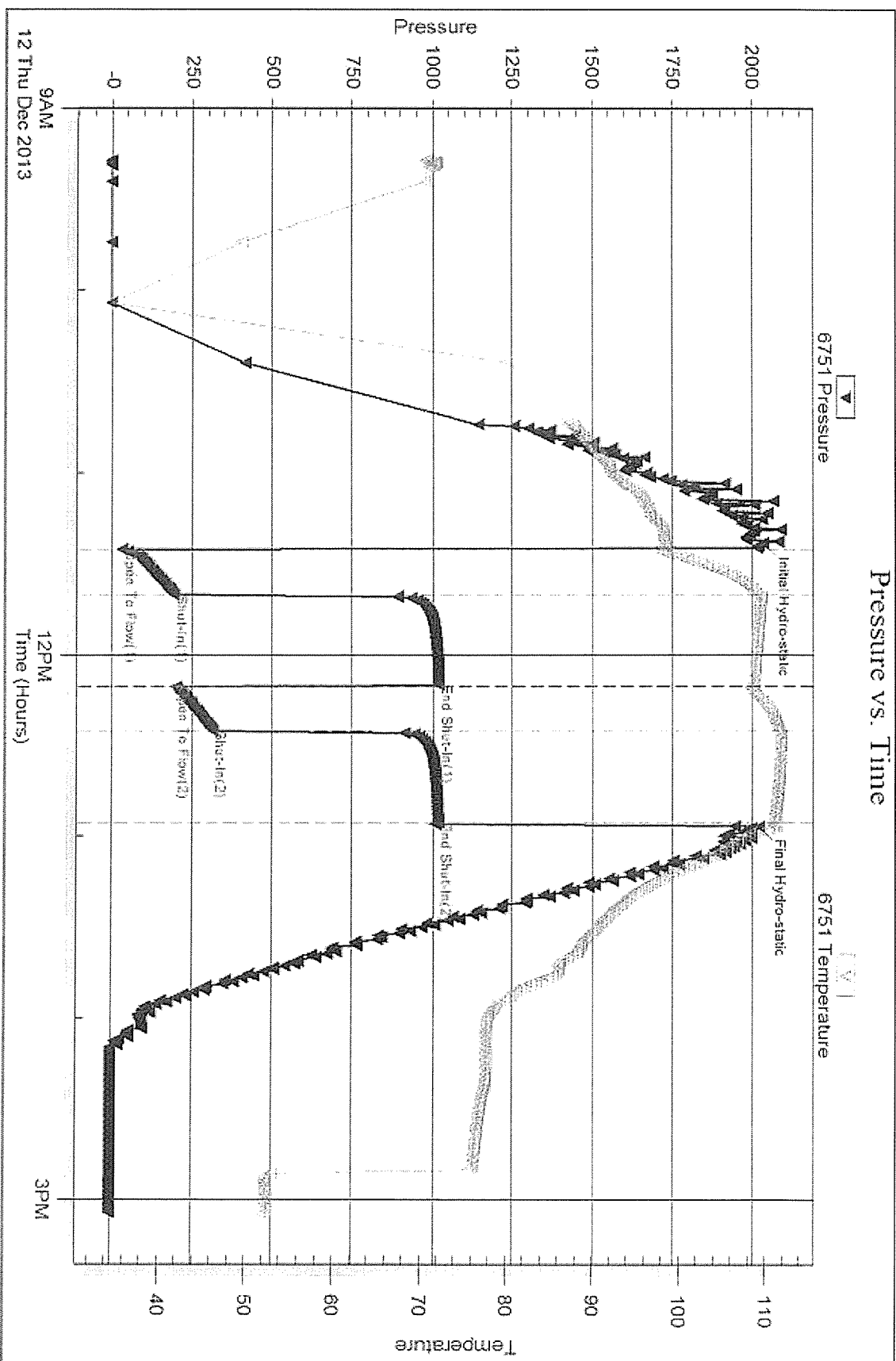
Recovery Comments: RW: .220 @ 47 Degrees F = 52000 PPM

Serial #: 6751

Outside Falconno Petroleum, Inc.

Proser #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 55560

Printed 2013 12:17 @ 14:05:52

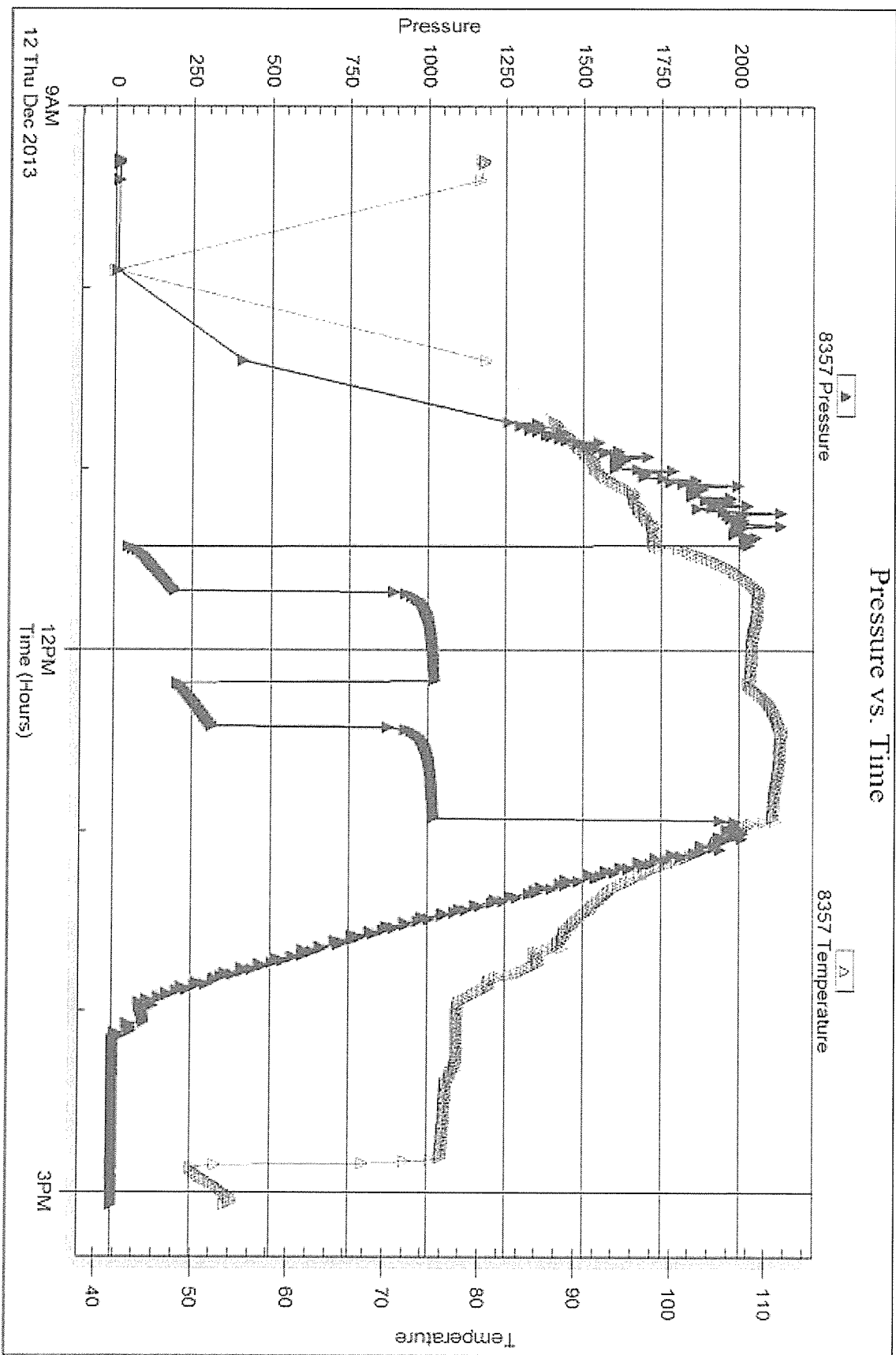
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Prosper #1

DST Test Number: 1

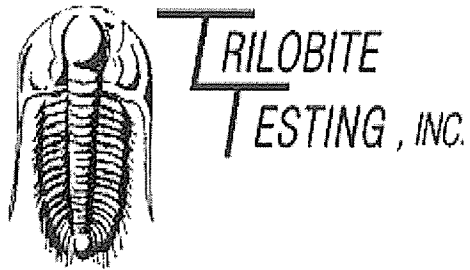


Tribble Testing, Inc

Ref. No: 55560

Printed: 2013 12 17 @ 14:05:52





## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Prosper #1**

#### **15-20s-34w Scott, KS**

Start Date: 2013.12.13 @ 02:00:00

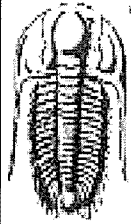
End Date: 2013.12.13 @ 09:13:42

Job Ticket #: 55561                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
New ton, KS 67114

ATTN: Ryan Seib

**15-20s-34w Scott, KS**

**Prosper #1**

Job Ticket: 55561

**DST#: 2**

Test Start: 2013.12.13 @ 02:00:00

### GENERAL INFORMATION:

Formation: **LKC 'H-I'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:47:18

Time Test Ended: 09:13:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **4161.00 ft (KB) To 4225.00 ft (KB) (TVD)**

Total Depth: 4225.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3061.00 ft (KB)

3056.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 295.72 psig @ 4164.00 ft (KB)

Start Date: 2013.12.13

End Date:

2013.12.13

Start Time: 02:00:05

End Time:

09:13:42

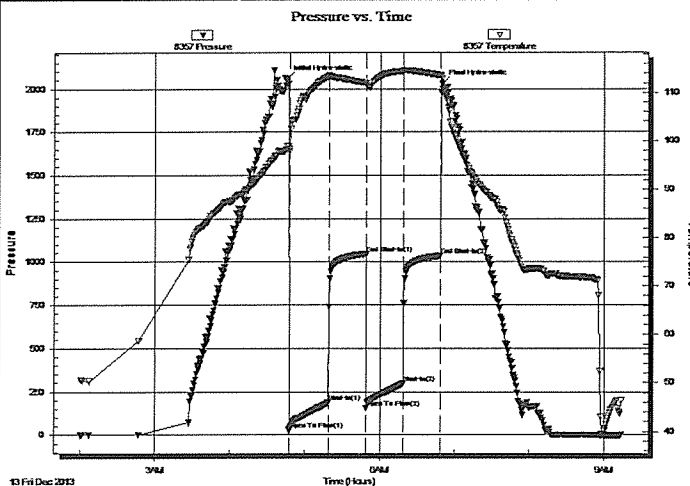
Capacity: 8000.00 psig

Last Calib.: 2013.12.13

Time On Btm: 2013.12.13 @ 04:45:00

Time Off Btm: 2013.12.13 @ 06:49:54

TEST COMMENT: B.O.B. @ 13 min.  
No return.  
B.O.B. @ 14 min.  
No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2059.81	98.25	Initial Hydro-static
3	27.40	97.78	Open To Flow (1)
34	186.07	113.38	Shut-In(1)
64	1045.64	111.95	End Shut-In(1)
64	154.42	111.44	Open To Flow (2)
94	295.72	114.44	Shut-In(2)
124	1035.23	113.63	End Shut-In(2)
125	2031.40	112.85	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
434.00	MV 5m 95 w Oil spots in tool.	4.97
176.00	WM 40w 60m	2.47

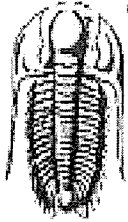
\* Recovery from multiple tests

### Gas Rates

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







**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55561

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2013.12.13 @ 02:00:00

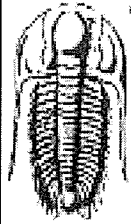
### Tool Information

Drill Pipe:	Length: 4013.00 ft	Diameter: 3.80 inches	Volume: 56.29 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.50 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4161.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	91.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4134.50	
Shut In Tool	5.00			4139.50	
Hydraulic tool	5.00			4144.50	
Jars	5.00			4149.50	
Safety Joint	2.50			4152.00	
Packer	5.00			4157.00	27.50 Bottom Of Top Packer
Packer	4.00			4161.00	
Stubb	1.00			4162.00	
Perforations	2.00			4164.00	
Recorder	0.00	8357	Inside	4164.00	
Recorder	0.00	6751	Outside	4164.00	
Perforations	25.00			4189.00	
Change Over Sub	1.00			4190.00	
Drill Pipe	31.00			4221.00	
Change Over Sub	1.00			4222.00	
Bullnose	3.00			4225.00	64.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>91.50</b>				



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

15-20s-34w Scott, KS

4924 SE 84th St.  
New ton, KS 67114

Prosper #1

Job Ticket: 55561

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.12.13 @ 02:00:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	55000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 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
434.00	MW 5m 95 w Oil spots in tool.	4.967
176.00	WM 40w 60m	2.469

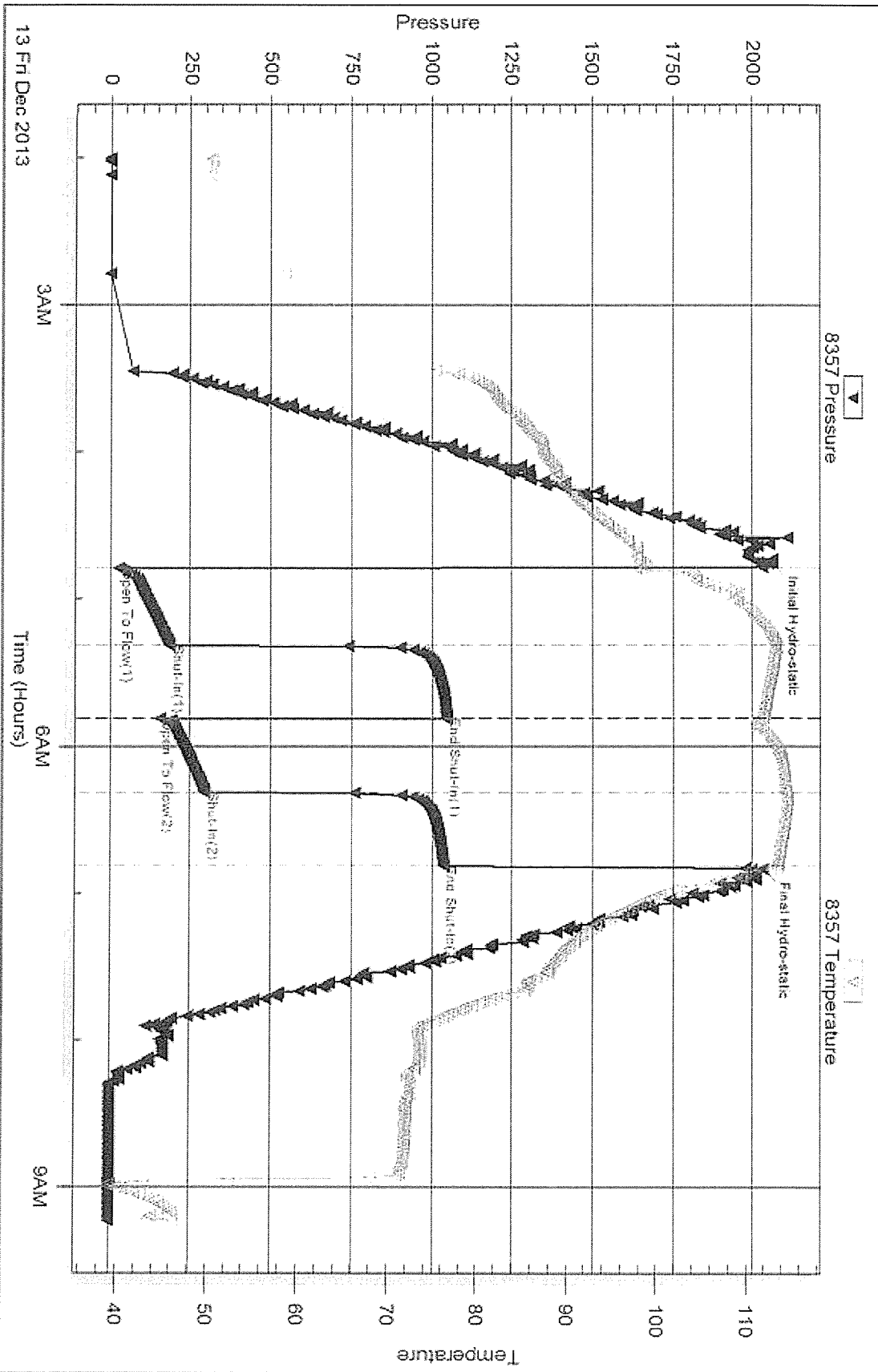
Total Length: 610.00 ft      Total Volume: 7.436 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW: .235 @ 42 Degrees F = 55000 PPM

### Pressure vs. Time



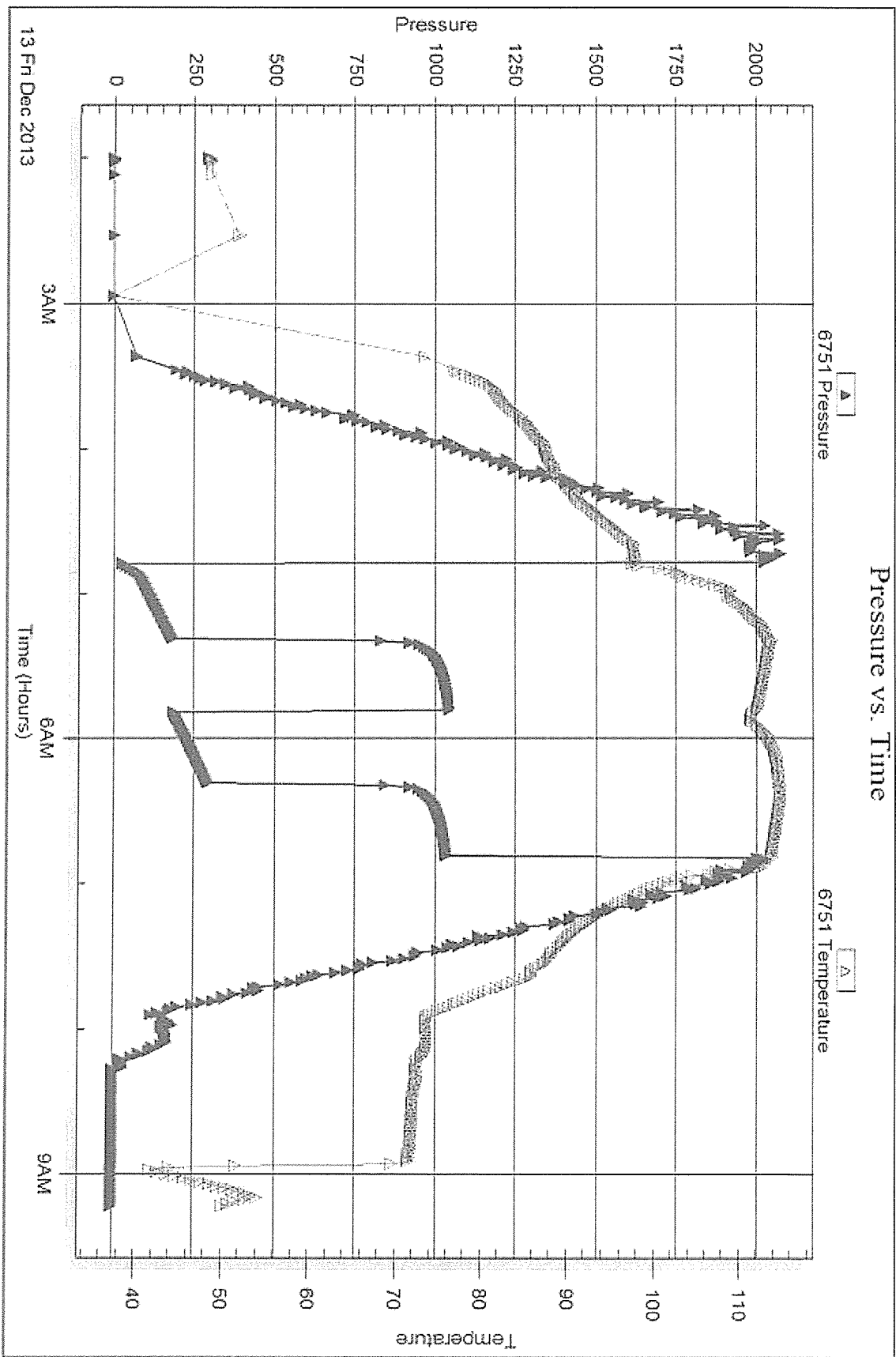


Serial #: 6751

Outside Palomino Petroleum, Inc.

Prosper #1

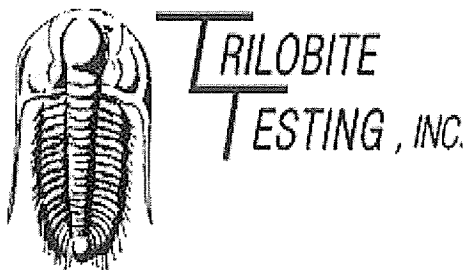
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 55551

Printed: 2013.12.17 @ 14:04:01



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Prosper #1**

### **15-20s-34w Scott, KS**

Start Date: 2013.12.14 @ 03:00:00

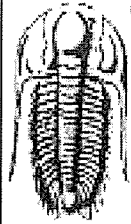
End Date: 2013.12.14 @ 09:19:36

Job Ticket #: 55562                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
New ton, KS 67114

ATTN: Ryan Seib

**15-20s-34w Scott, KS**

**Prosper #1**

Job Ticket: 55562

**DST#: 3**

Test Start: 2013.12.14 @ 03:00:00

## GENERAL INFORMATION:

Formation: **LKC 'K - Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:02:36

Time Test Ended: 09:19:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **4326.00 ft (KB) To 4433.00 ft (KB) (TVD)**

Total Depth: 4433.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3061.00 ft (KB)

3056.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 246.87 psig @ 4329.00 ft (KB)

Start Date: 2013.12.14

End Date:

2013.12.14

Start Time: 03:00:05

End Time:

09:19:36

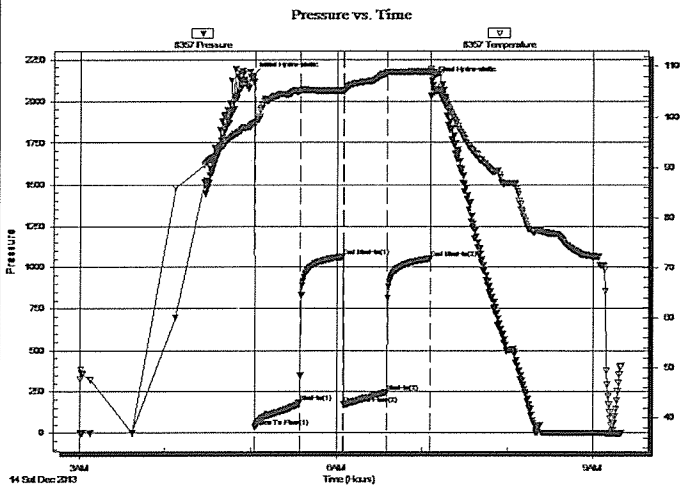
Capacity: 8000.00 psig

Last Calib.: 2013.12.14

Time On Btm: 2013.12.14 @ 05:00:30

Time Off Btm: 2013.12.14 @ 07:06:48

TEST COMMENT: B.O.B. @ 18 min.  
No return.  
B.O.B. @ 20 min.  
No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2150.19	98.67	Initial Hydro-static
3	38.29	98.62	Open To Flow (1)
34	183.27	105.26	Shut-In(1)
64	1065.66	105.29	End Shut-In(1)
65	170.24	105.10	Open To Flow (2)
95	246.87	108.66	Shut-In(2)
126	1053.93	109.02	End Shut-In(2)
127	2121.01	108.76	Final Hydro-static

## Recovery

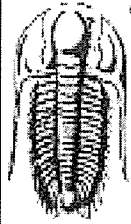
Length (ft)	Description	Volume (bbl)
124.00	OSMW 20m 80w	0.62
186.00	OSWM 45w 55m	2.61
170.00	OSWM 10w 90m	2.38

\* 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.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55562

**DST#: 3**

ATTN: Ryan Seib

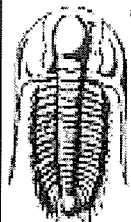
Test Start: 2013.12.14 @ 03:00:00

### Tool Information

Drill Pipe:	Length: 4206.00 ft	Diameter: 3.80 inches	Volume: 59.00 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4326.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	107.00 ft			
Tool Length:	134.50 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			4299.50	
Shut In Tool	5.00			4304.50	
Hydraulic tool	5.00			4309.50	
Jars	5.00			4314.50	
Safety Joint	2.50			4317.00	
Packer	5.00			4322.00	27.50 Bottom Of Top Packer
Packer	4.00			4326.00	
Stubb	1.00			4327.00	
Perforations	2.00			4329.00	
Recorder	0.00	8357	Inside	4329.00	
Recorder	0.00	6751	Outside	4329.00	
Perforations	5.00			4334.00	
Change Over Sub	1.00			4335.00	
Drill Pipe	94.00			4429.00	
Change Over Sub	1.00			4430.00	
Bullnose	3.00			4433.00	107.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>134.50</b>				



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55562

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2013.12.14 @ 03:00:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OSMW 20m 80w	0.619
186.00	OSWM 45w 55m	2.609
170.00	OSWM 10w 90m	2.385

Total Length: 480.00 ft

Total Volume: 5.613 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .232 @ 58 Degrees F = 37000 PPM



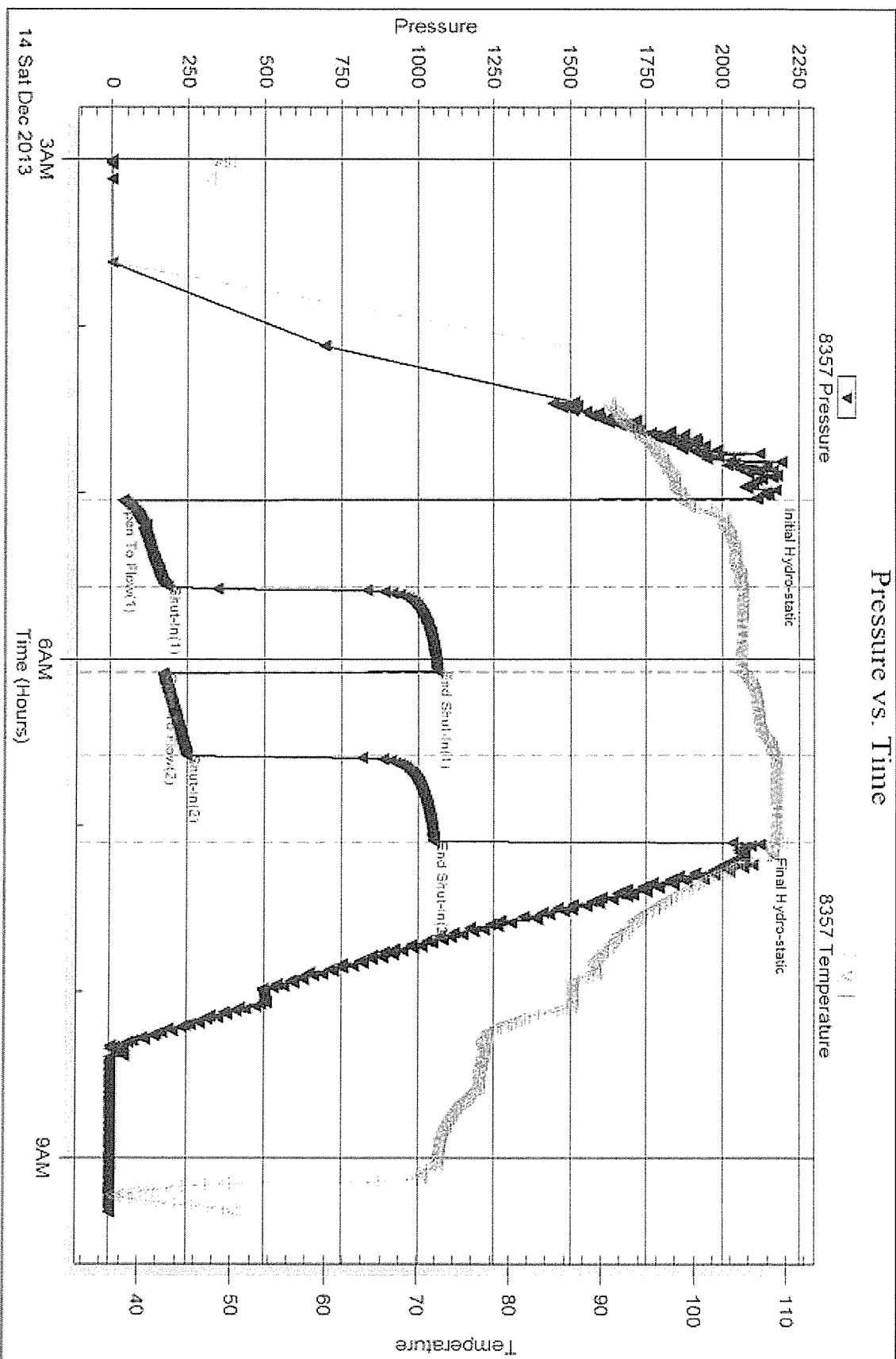
Serial #: 8357

Inside

Falconio Petroleum, Inc.

Prosper #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 55562

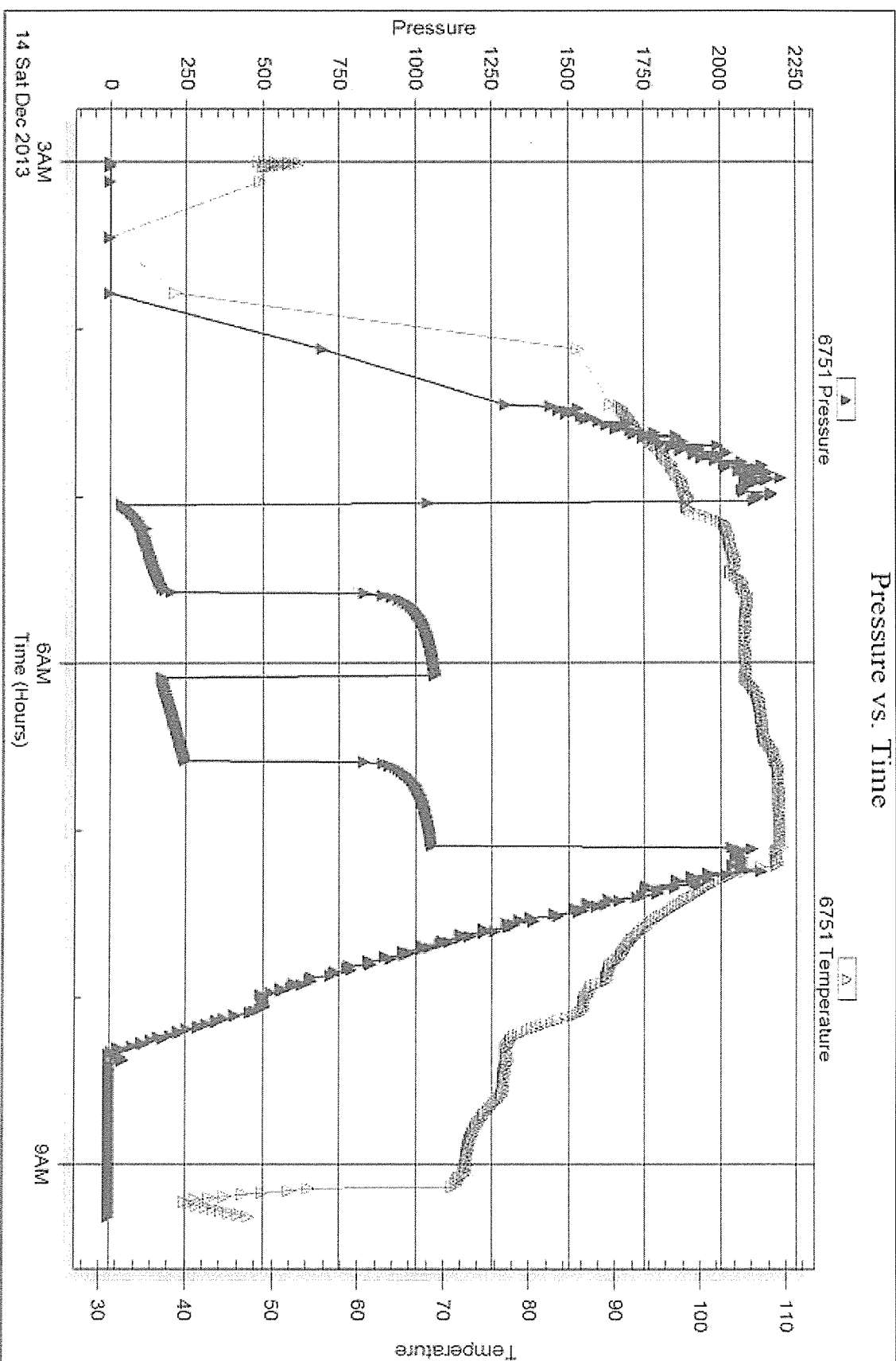
Printed 2013 12 17 @ 14:02:56

Serial #: 6751

Outside Palomino Petroleum, Inc.

Prosper #1

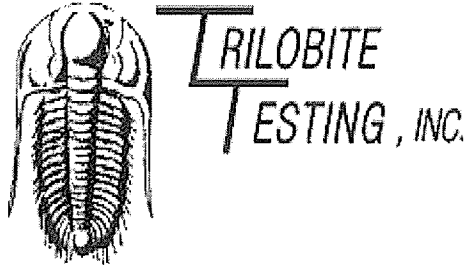
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 55562

Printed: 2013 12:17 @ 14:02:56



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Prosper #1**

#### **15-20s-34w Scott, KS**

Start Date: 2013.12.14 @ 22:30:00

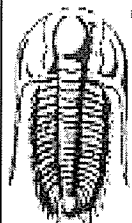
End Date: 2013.12.15 @ 06:45:09

Job Ticket #: 55563                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
New ton, KS 67114

ATTN: Ryan Seib

**15-20s-34w Scott, KS**

**Prosper #1**

Job Ticket: 55563

**DST#: 4**

Test Start: 2013.12.14 @ 22:30:00

### GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:10:50

Time Test Ended: 06:45:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **4456.00 ft (KB) To 4530.00 ft (KB) (TVD)**

Total Depth: 4530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3061.00 ft (KB)

3056.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6751**

**Outside**

Press@RunDepth: 73.13 psig @ 4459.00 ft (KB)

Start Date: 2013.12.14

End Date:

2013.12.15

Start Time: 22:30:02

End Time:

06:45:10

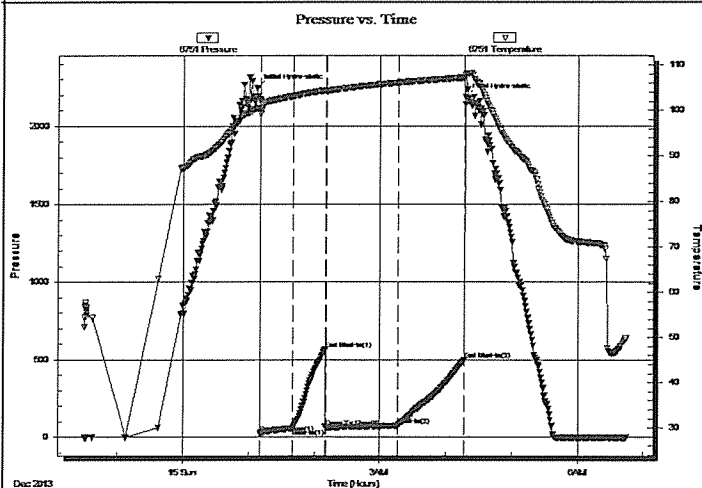
Capacity: 8000.00 psig

Last Calib.: 2013.12.15

Time On Btm: 2013.12.15 @ 01:06:50

Time Off Btm: 2013.12.15 @ 04:17:39

TEST COMMENT: 9" Blow.  
Surface return.  
9" Blow.  
No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.61	100.62	Initial Hydro-static
4	22.87	99.30	Open To Flow (1)
34	56.63	103.19	Shut-In(1)
63	566.35	104.40	End Shut-In(1)
64	59.26	104.30	Open To Flow (2)
130	73.13	106.17	Shut-In(2)
190	496.89	107.31	End Shut-In(2)
191	2184.15	107.77	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
61.00	GMCO 20g 20m 60o	0.30
62.00	GMCO 25g 25m 50o	0.30
20.00	GOCM 10g 30o 60m	0.28
0.00	104 Weak GIP	0.00

\* 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.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55563

**DST#: 4**

ATTN: Ryan Seib

Test Start: 2013.12.14 @ 22:30:00

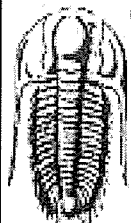
### Tool Information

Drill Pipe:	Length: 4330.00 ft	Diameter: 3.80 inches	Volume: 60.74 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 61.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4456.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	101.50 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			4429.50	
Shut In Tool	5.00			4434.50	
Hydraulic tool	5.00			4439.50	
Jars	5.00			4444.50	
Safety Joint	2.50			4447.00	
Packer	5.00			4452.00	27.50 Bottom Of Top Packer
Packer	4.00			4456.00	
Stubb	1.00			4457.00	
Perforations	2.00			4459.00	
Recorder	0.00	8357	Inside	4459.00	
Recorder	0.00	6751	Outside	4459.00	
Perforations	5.00			4464.00	
Change Over Sub	1.00			4465.00	
Drill Pipe	61.00			4526.00	
Change Over Sub	1.00			4527.00	
Bullnose	3.00			4530.00	74.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>101.50</b>				





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55563

**DST#: 4**

ATTN: Ryan Seib

Test Start: 2013.12.14 @ 22:30:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	GMCO 20g 20m 60o	0.300
62.00	GMCO 25g 25m 50o	0.305
20.00	GOCM 10g 30o 60m	0.281
0.00	104 Weak GIP	0.000

Total Length: 143.00 ft      Total Volume: 0.886 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

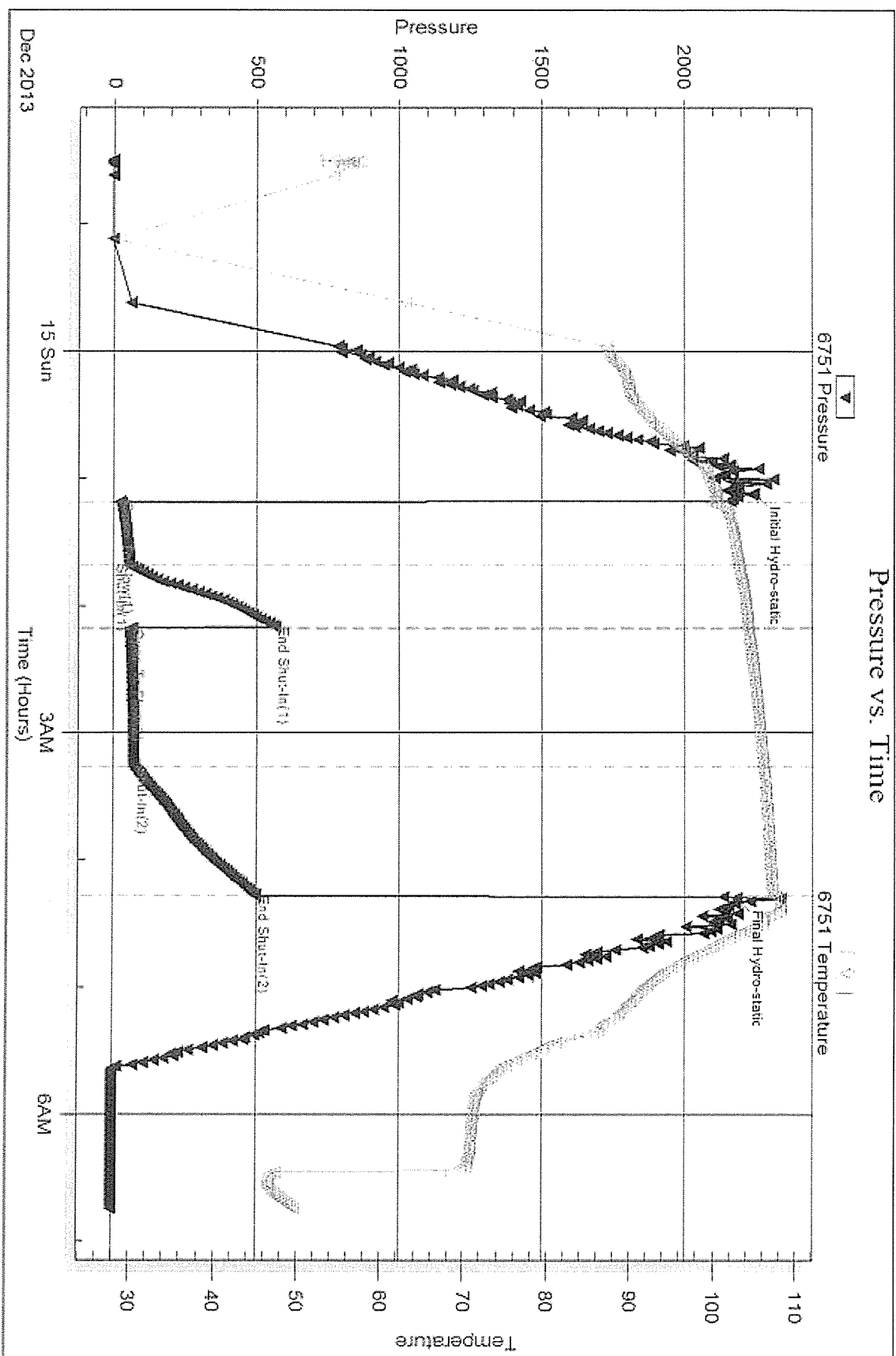
Recovery Comments: API: @ Degrees F =

Serial #: 6751

Outside Palomino Petroleum, Inc.

Prosper #1

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 55563

Printed: 2013.12.17 @ 14:01:45

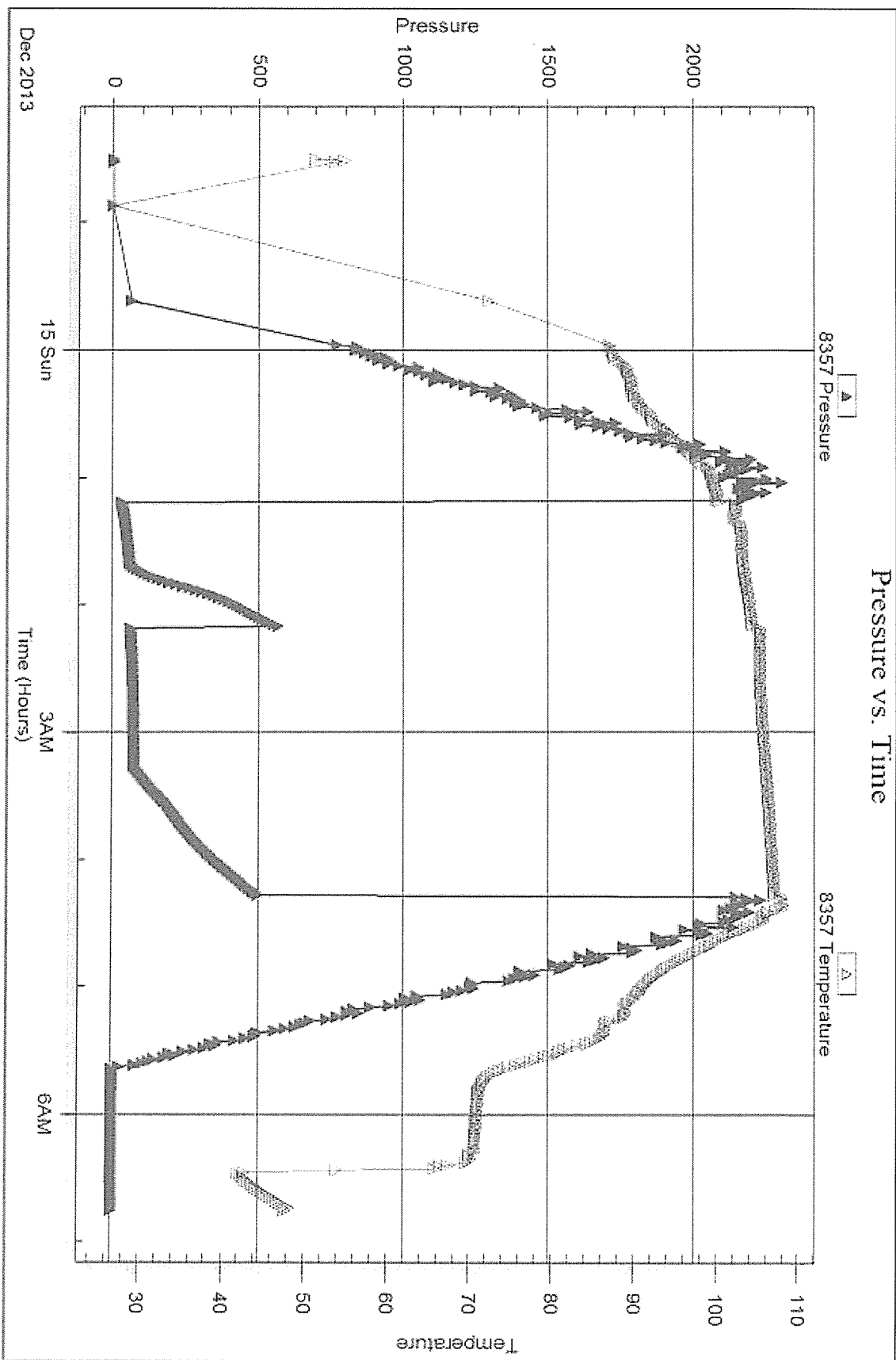
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Prosper #1

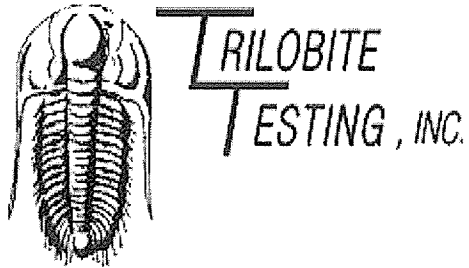
DST Test Number: 4



Tribble Testing, Inc

Ref. No: 59563

Printed 2013 12:17 @ 14:01:45



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Prosper #1**

#### **15-20s-34w Scott, KS**

Start Date: 2013.12.16 @ 06:55:00

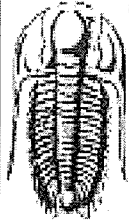
End Date: 2013.12.16 @ 13:10:12

Job Ticket #: 55564                      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55564

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2013.12.16 @ 06:55:00

### GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:05:48

Time Test Ended: 13:10:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **4526.00 ft (KB) To 4750.00 ft (KB) (TVD)**

Reference Elevations: 3061.00 ft (KB)

Total Depth: 4750.00 ft (KB) (TVD)

3056.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 52.21 psig @ 4529.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.16

End Date: 2013.12.16

Last Calib.: 2013.12.16

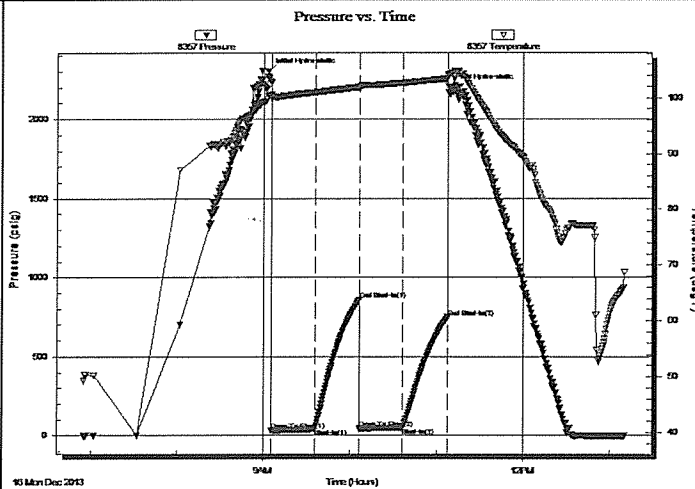
Start Time: 06:55:05

End Time: 13:10:12

Time On Btm: 2013.12.16 @ 09:03:18

Time Off Btm: 2013.12.16 @ 11:07:54

TEST COMMENT: 1" Blow.  
No return.  
Surface blow.  
No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2300.38	100.27	Initial Hydro-static
3	32.38	99.87	Open To Flow (1)
33	42.93	101.02	Shut-In(1)
64	858.26	101.92	End Shut-In(1)
64	46.34	101.57	Open To Flow (2)
94	52.21	102.70	Shut-In(2)
124	746.85	103.48	End Shut-In(2)
125	2201.07	104.11	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
62.00	M 100m	0.30

\* 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.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55564

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2013.12.16 @ 06:55:00

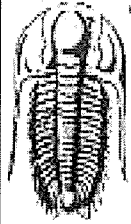
### Tool Information

Drill Pipe:	Length: 4391.00 ft	Diameter: 3.80 inches	Volume: 61.59 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 62.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.50 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4526.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	101.50 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			4499.50	
Shut In Tool	5.00			4504.50	
Hydraulic tool	5.00			4509.50	
Jars	5.00			4514.50	
Safety Joint	2.50			4517.00	
Packer	5.00			4522.00	27.50 Bottom Of Top Packer
Packer	4.00			4526.00	
Stubb	1.00			4527.00	
Perforations	2.00			4529.00	
Recorder	0.00	8357	Inside	4529.00	
Recorder	0.00	6751	Outside	4529.00	
Perforations	27.00			4556.00	
Change Over Sub	1.00			4557.00	
Drill Pipe	39.00			4596.00	
Change Over Sub	1.00			4597.00	
Bullnose	3.00			4600.00	74.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>101.50</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**15-20s-34w Scott, KS**

4924 SE 84th St.  
New ton, KS 67114

**Prosper #1**

Job Ticket: 55564                      **DST#: 5**

ATTN: Ryan Seib

Test Start: 2013.12.16 @ 06:55:00

**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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
62.00	M 100m	0.305

Total Length: 62.00 ft                      Total Volume: 0.305 bbl

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

Laboratory Name:                      Laboratory Location:

Recovery Comments:

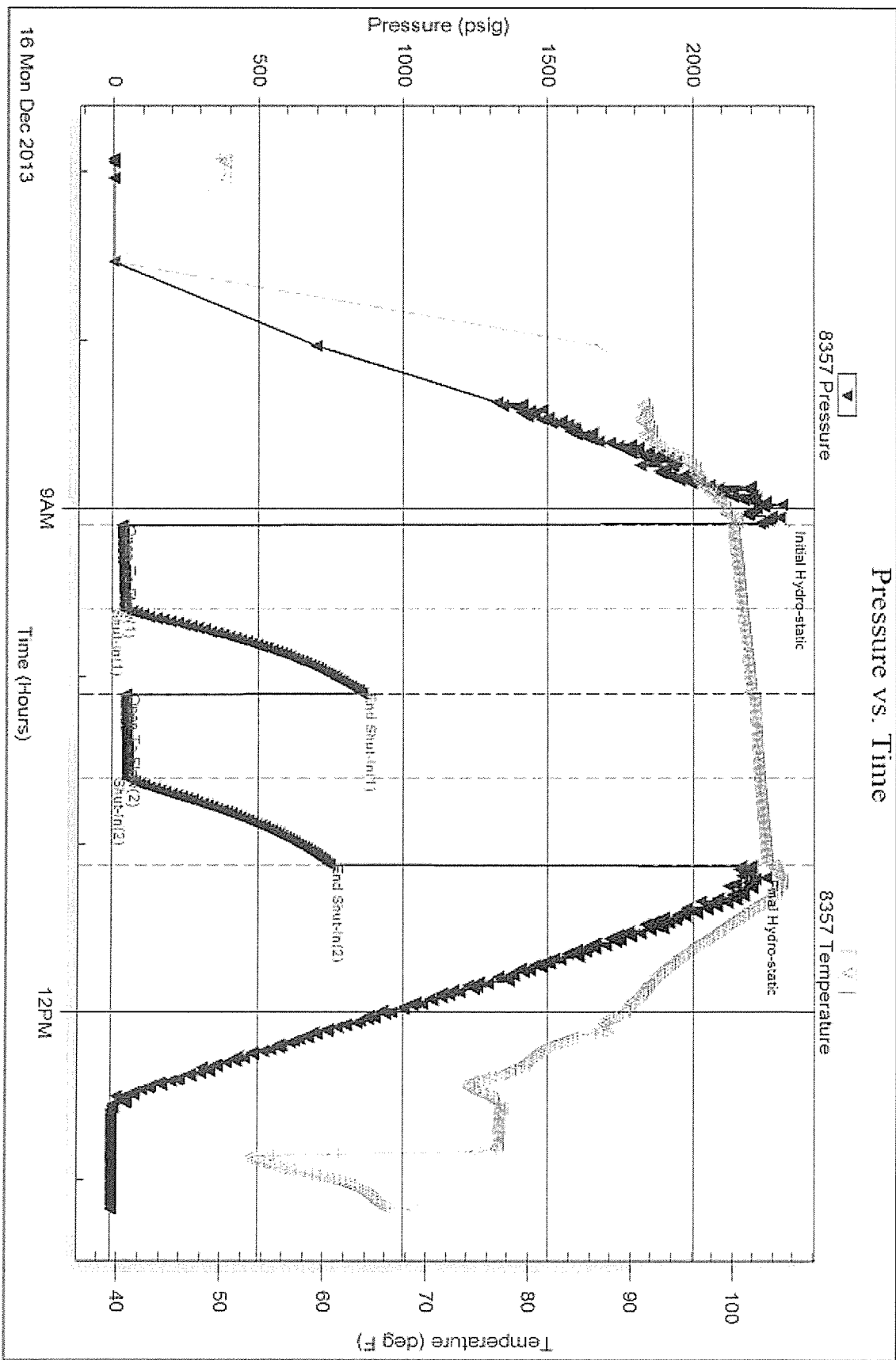
Serial #: 8357

Inside

Falomo Petroalum, Inc.

Posper #1

DST Test Number: 5



Tribble Testing, Inc

Ref. No: 55554

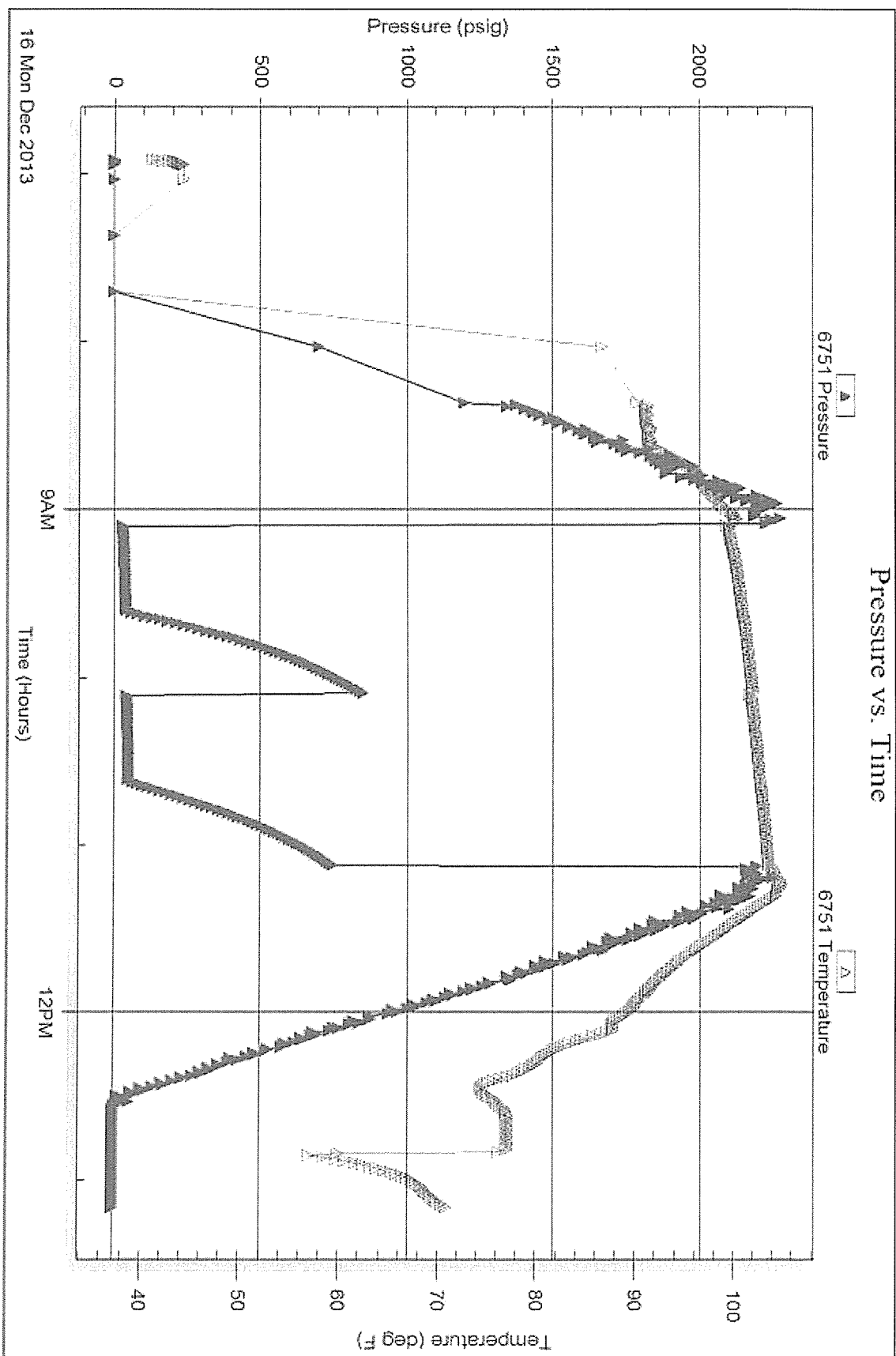
Printed: 2013.12.17 @ 14:00:57

Serial #: 6751

Outside Palomino Petroleum, Inc.

Prosper #1

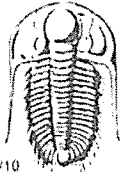
DST Test Number: 5



Tribble Testing, Inc

Ref. No: 55564

Printed 2013 12:17 @ 14:00:57



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55560

Well Name & No. Prospect #1 Test No. 1 Date 12-12-13  
 Company Palomino Petroleum Elevation 3061 KB .3056 GL  
 Address 4934 SE 84<sup>th</sup> St. Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW #10  
 Location: Sec. 15 Twp. 20s Rge. 34w Co. Scott State KS

Interval Tested 4110-4154 Zone Tested LKC 'G'  
 Anchor Length 44 Drill Pipe Run 3982 Mud Wt. 9.1  
 Top Packer Depth 4106 Drill Collars Run 123 Vis 57  
 Bottom Packer Depth 4110 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4154 Chlorides 6000 ppm System LCM 4"  
 Blow Description B.O.B. @ 6 min.  
No return.  
B.O.B. @ 6 1/2 min.  
Weak return died @ 10 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>WM</u>		<u>15</u>	<u>85</u>	
<u>124</u>	<u>MW</u>		<u>50</u>	<u>50</u>	
<u>496</u>	<u>MW Popping Gas</u>		<u>90</u>	<u>10</u>	

Rec Total 710 BHT 111 Gravity — API RW 220 @ 47 °F Chlorides 52,000 ppm

(A) Initial Hydrostatic 2034  Test 1250 T-On Location 7:00  
 (B) First Initial Flow 33  Jars 250 T-Started 9:17  
 (C) First Final Flow 193  Safety Joint 75 T-Open 11:25  
 (D) Initial Shut-In 1019  Circ Sub M/C T-Pulled 12:56  
 (E) Second Initial Flow 199  Hourly Standby \_\_\_\_\_ T-Out 15:04  
 (F) Second Final Flow 314  Mileage 42RT 65.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 1016  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2030  Straddle \_\_\_\_\_

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1890.10  
 Initial Open 15  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In 30  
 Sub Total 1890.10

Approved By [Signature] Our Representative Chuck Smith

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. 55561

Well Name & No. Prospect #1 Test No. 2 Date 12-13-13  
 Company Palomine Petroleum, Inc. Elevation 3061 KB 3056 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW#10  
 Location: Sec. 15 Twp. 20s Rge. 34w Co. Scott State KS

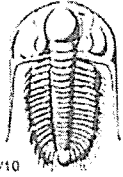
Interval Tested 4161-4225 Zone Tested LKC'H-I'  
 Anchor Length 67 Drill Pipe Run 4013 Mud Wt. 9.1  
 Top Packer Depth 4157 Drill Collars Run 123 Vis 47  
 Bottom Packer Depth 4161 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4225 Chlorides 6000 ppm System LCM 3"  
 Blow Description B.O.B @ 13 min.  
No return  
B.O.B @ 14 min.  
No return

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>176</u>	Feet of <u>LWM</u>			<u>40</u>	<u>60</u>
Rec <u>434</u>	Feet of <u>MW Oil spots in tool</u>			<u>95</u>	<u>5</u>
Rec _____	Feet of _____				
Rec _____	Feet of _____				

Rec Total 610 BHT 114 Gravity — API RW 235 @ 42 °F Chlorides 5500 ppm  
 (A) Initial Hydrostatic 2060  Test 1250 T-On Location 1:45  
 (B) First Initial Flow 28  Jars 250 T-Started 2:00  
 (C) First Final Flow 186  Safety Joint 75 T-Open 4:47  
 (D) Initial Shut-In 1046  Circ Sub NIC T-Pulled 6:49  
 (E) Second Initial Flow 154  Hourly Standby \_\_\_\_\_ T-Out 9:14  
 (F) Second Final Flow 296  Mileage 42RT 65.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 1035  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2031  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1890.10 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative Chuck Smith

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55562

Well Name & No. Prosper #1 Test No. 3 Date 12-14-13  
 Company Palomino Petroleum, Inc Elevation 3061 KB 3056 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Ryan Scrib Rig LUW#10  
 Location: Sec. 15 Twp. 20s Rge. 37w Co. Scott State KS

Interval Tested 4326-4433 Zone Tested LKC 'K, L, Pleasanton  
 Anchor Length 107 Drill Pipe Run 4206 Mud Wt. 9.2  
 Top Packer Depth 4322 Drill Collars Run 123 Vis 53  
 Bottom Packer Depth 4326 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4433 Chlorides 7000 ppm System LCM 3"  
 Blow Description B.O.B. @ 18 min.

No return.  
B.O.B. @ 20 min.  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>170</u>	<u>OSW</u>		<u>10</u>	<u>90</u>	
<u>186</u>	<u>OSW</u>		<u>45</u>	<u>55</u>	
<u>124</u>	<u>OSW</u>		<u>80</u>	<u>20</u>	

Rec Total 480 BHT 107 Gravity — API RW .232 @ 58 °F Chlorides 37000 ppm

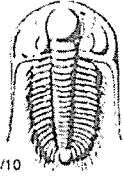
(A) Initial Hydrostatic 2150  Test 1250 T-On Location 2:15  
 (B) First Initial Flow 30  Jars 250 T-Started 3:00  
 (C) First Final Flow 183  Safety Joint 75 T-Open 5:03  
 (D) Initial Shut-In 1066  Circ Sub N/C T-Pulled 7:06  
 (E) Second Initial Flow 170  Hourly Standby \_\_\_\_\_ T-Out 9:20  
 (F) Second Final Flow 247  Mileage 42RT 65.10  
 (G) Final Shut-In 1054  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2121  Straddle \_\_\_\_\_

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 32  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1890.10  
 Total 1890.10  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Chuck Smith

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55563

Well Name & No. Prosper #1 Test No. 4 Date 12-14-13  
 Company Palomina Petroleum, Inc. Elevation 3061 KB 3056 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig LVW#10  
 Location: Sec. 15 Twp. 20s Rge. 37w Co. Scott State KS

Interval Tested 4456-4530 Zone Tested Macmaton  
 Anchor Length 74 Drill Pipe Run 4330 Mud Wt. 9.2  
 Top Packer Depth 4452 Drill Collars Run 123 Vis 55  
 Bottom Packer Depth 4456 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4530 Chlorides 6500 ppm System LCM 3#  
 Blow Description 9" Blow

Surface return.  
9" Blow  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>60CM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>62</u>	<u>GMCO</u>	<u>25</u>	<u>50</u>	<u>25</u>	
<u>61</u>	<u>GMCO</u>	<u>20</u>	<u>60</u>	<u>20</u>	
<u>    </u>	<u>104' Weak GIP</u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>

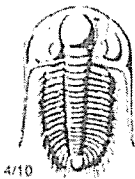
Rec Total 143 BHT 107 Gravity - API RW @      °F Chlorides - ppm

(A) Initial Hydrostatic 2249  Test 1250 T-On Location 22:15  
 (B) First Initial Flow 23  Jars 250 T-Started 22:30  
 (C) First Final Flow 57  Safety Joint 75 T-Open 1:11  
 (D) Initial Shut-In 566  Circ Sub NIC T-Pulled 4:17  
 (E) Second Initial Flow 59  Hourly Standby      T-Out 6:45  
 (F) Second Final Flow 73  Mileage 42RT 65.10 Comments       
 (G) Final Shut-In 497  Sampler       
 (H) Final Hydrostatic 2184  Straddle     

Ruined Shale Packer       
 Ruined Packer       
 Extra Packer       
 Extra Recorder       
 Day Standby       
 Accessibility       
 Sub Total 1890.10  
 Total 1890.10  
 MP/DST Disc't     

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 60  
 Final Shut-In 60  
 Approved By [Signature] Our Representative Chuck Smith

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55564

Well Name & No. Prosper #1 Test No. 5 Date 12-16-13  
 Company Palomino Petroleum, Inc. Elevation 3061 KB 3086 GL  
 Address 4924 SE 84th St, Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW#10  
 Location: Sec. 15 Twp. 20s Rge. 34w Co. Scott State KS

Interval Tested 4526-4750 Zone Tested Pawnee - Fr. Scot  
 Anchor Length 224 Drill Pipe Run 4391 Mud Wt. 9.3  
 Top Packer Depth 4522 Drill Collars Run 123 Vis 50  
 Bottom Packer Depth 4526 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4750 Chlorides 2000 ppm System LCM 4"  
 Blow Description 1" Blow  
No return  
Surface blow.  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>62</u>	Feet of <u>M</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 62 BHT 104 Gravity - API RW @ °F Chlorides - ppm

(A) Initial Hydrostatic 2300  Test 1250 T-On Location 6:55  
 (B) First Initial Flow 32  Jars 250 T-Started 6:55  
 (C) First Final Flow 43  Safety Joint 75 T-Open 9:06  
 (D) Initial Shut-In 8:58  Circ Sub NIC T-Pulled 11:07  
 (E) Second Initial Flow 46  Hourly Standby \_\_\_\_\_ T-Out 13:10  
 (F) Second Final Flow 52  Mileage 42RT x2 130.20 Comments Pick up tool 9:00 am  
 (G) Final Shut-In 747  Sampler \_\_\_\_\_ 12-17  
 (H) Final Hydrostatic 2221  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1955.20  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1955.20

Approved By \_\_\_\_\_ Our Representative Chuck Smith

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.