



KANSAS CORPORATION COMMISSION 1154149  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

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

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

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

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

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



1154149

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Pete 1
Doc ID	1154149

Tops

Name	Top	Datum
Anhy.	1704	(+ 763)
Base Anhy.	1746	(+ 721)
Heebner	3815	(-1348)
LKC	3858	(-1391)
BKC	4216	(-1749)
Marmaton	4255	(-1788)
Ft. Scott	4381	(-1914)
Cherokee Sh.	4404	(-1937)
Miss.	4473	(-2006)
LTD	4589	(-2122)

# SWIFT



*Services, Inc.*

P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



## Invoice

DATE	INVOICE #
7/18/2013	24511

RECEIVED

JUL 24 2013

- Acidizing
- Cement
- Tool Rental

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Pete	Ness	WW Drilling	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
400-5	5 1/2" Guide Shoe				1	Each	200.00	200.00T
401-5	5 1/2" Insert Float With Auto Fill				1	Each	160.00	160.00T
402-5	5 1/2" Centralizer				1	Each	70.00	70.00T
403-5	5 1/2" Cement Basket				2	Each	285.00	570.00T
404-5	5 1/2" Port Collar				1	Each	2,650.00	2,650.00T
409-5	5 1/2" Turbolizer				9	Each	90.00	810.00T
410-5	5 1/2" Top Plug				1	Each	100.00	100.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	17.00	2,125.00T
325	Standard Cement				100	Sacks	14.00	1,400.00T
284	Calseal				5	Sack(s)	35.00	175.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				50	Lb(s)	4.00	200.00T
276	Flocele				50	Lb(s)	2.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							11,831.00
	Sales Tax Ness County						6.15%	584.93

**We Appreciate Your Business!**

**Total**

\$12,415.93





Services, Inc.

TICKET  
No. 24511

PAGE 1 OF 2

CHARGE TO: Palawino  
ADDRESS  
CITY, STATE, ZIP CODE

1. SERVICE LOCATIONS <u>Amw chg KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Pete</u>	COUNTY/PARISH <u>Lea</u>	STATE <u>KS</u>	CITY <u>Garrod</u>	DATE <u>10/21/13</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	DELIVERED TO <u>location</u>	ORDER NO.	WELL LOCATION	
3. WELL TYPE <u>OS1</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement log string</u>	WELL PERMIT NO.				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	20	mi			6.00	120.00
578		1			Pump Charge	1	ea			1500.00	1500.00
400		1			Guide shoe	5 1/2	in	1	ea	200.00	200.00
401		1			Insert float w/ AUTO FILL	5 1/2	in	1	ea	160.00	160.00
402		1			Centralizer	5 1/2	in	1	ea	70.00	70.00
403		1			Cement Basket	5 1/2	in	2	ea	285.00	570.00
404		1			Port collar	5 1/2	in	1	ea	265.00	265.00
409		1			Turbolizer	5 1/2	in	9	ea	90.00	810.00
410		1			Tap plug	5 1/2	in	1	ea	100.00	100.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.  
P.O. BOX 466  
NESS CITY, KS 67560  
785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
WE UNDERSTOOD AND MET YOUR NEEDS?  
OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
ARE YOU SATISFIED WITH OUR SERVICE?

AGREE UN-DECIDED DIS-AGREE

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1  
6180.00  
5651.00  
1183.15  
584.93  
TOTAL 12,415.93

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR \_\_\_\_\_ APPROVA \_\_\_\_\_

Thank You!



**JOB LOG**

**SWIFT Services, Inc.**

DATE 10/21/13 PAGE NO. 1

CUSTOMER Palomero Petroleum WELL NO. #1 LEASE Pete JOB TYPE connect long string TICKET NO. 24511

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk SMD w/ 7/8" floacle 100 sk EA-2 w/ 7/8" floacle 5 1/2" x 14" casing @ 4385' <span style="float:right">1684'</span> shoe jt 33.15' port collar "69 #695' Centralizer 1, 2, 3, 4, 5, 6, 7, 8, 9, 68 Basket 2, 69 5 1/2" plug container
	0640							on loc TRK 114
	0750							start 5 1/2" x 14" casing in well
	1000							Drop ball - circulate
	1100	4 3/4 4 3/4	12 20				200 200	Pump 500 gal mud flush Pump 20 bbl KCl flush
	1120		7					Plug RH 30 sk
	1125	4 3/4 4 3/4	28 24				200 200	<del>Plug</del> mix 95 sk SMD cement @ 14 ppg mix 100 sk EA-2 cement @ 15.3 ppg
	1143							Release top plug  wash out pump & line
	1153	6 3/4 6 3/4	95				200 200	Displace plug
	1210		104				1500	Land plug  Release pressure to truck - dried up
	1215							wash truck  Rack up
	1255							job complete Thank Rob. Plout & Blake





**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

INVOICE

Invoice # 260504

=====  
Invoice Date: 07/15/2013      Terms: 10/10/30,n/30      Page 1

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

PETE #1  
37969  
8-20-25  
07-12-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	350.00	18.5500	6492.50
1102	CALCIUM CHLORIDE (50#)	987.00	.9400	927.78
1118B	PREMIUM GEL / BENTONITE	658.00	.2700	177.66
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-769.87
9995-130	CEMENT EQUIPMENT DISCOUNT	-183.26

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	20.00	5.25	105.00
528 TON MILEAGE DELIVERY	1.00	577.60	577.60

Amount Due 10004.77 if paid after 08/14/2013

Parts:	7698.69	Freight:	.00	Tax:	426.13	AR	9004.29
Labor:	.00	Misc:	.00	Total:	9004.29		
Sublt:	-953.13	Supplies:	.00	Change:	.00		

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





**CONSOLIDATED**  
On Well Services, LLC

260504

TICKET NUMBER 37969

LOCATION Oakley KS

FOREMAN Fuzz

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-12-13	6285	#1 Pete	8	20S	25W	Ness
CUSTOMER Palemone Petroleum		Hatched Red J South to Rd 50 3W 5:2	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			463	Cory D		
CITY			528	JACK S		
STATE						
ZIP CODE						

JOB TYPE surface HOLE SIZE 12 1/4 HOLE DEPTH 515' CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 515 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 31.5 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on w-w #10. Ris up and circulate. mix 350 SKS class 'A' 390cc 290gal. Drop plug and displace 31 1/2 BBL and shut in. Cement did circulate approx 6 BBLs to pit.

Thanks Fuzz & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	20	MILEAGE	5.25	105.00
5407A	16.5 ton	Tow Mileage Delivery	1.25	577.50
11045	350 SKS	Class 'A'	18.55	6492.50
1102	987#	Calcium chloride	.94	927.78
1185	658#	Bentonite	.27	177.66
4432	1	8 5/8 plug	100.25	100.25
		subtotal		9531.29
		less 1090		953.13
		subtotal		8578.16

**completed**

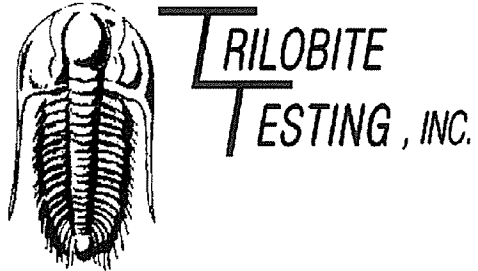
Ravin 3737

AUTHORIZATION

TITLE T.P.

SALES TAX 426.13  
ESTIMATED TOTAL 9004.29  
DATE 7-12-13

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**

4924 SE 84th St  
Newton, KS 67114

ATTN: Nick Gerstner

**Pete #1**

**8-20s-25w Ness KS**

Start Date: 2013.07.17 @ 06:45:38

End Date: 2013.07.17 @ 12:33:38

Job Ticket #: 53179                      DST #: 1

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

Printed: 2013.07.17 @ 14:49:19



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 Newton, KS 67114  
 ATTN: Nick Gerstner

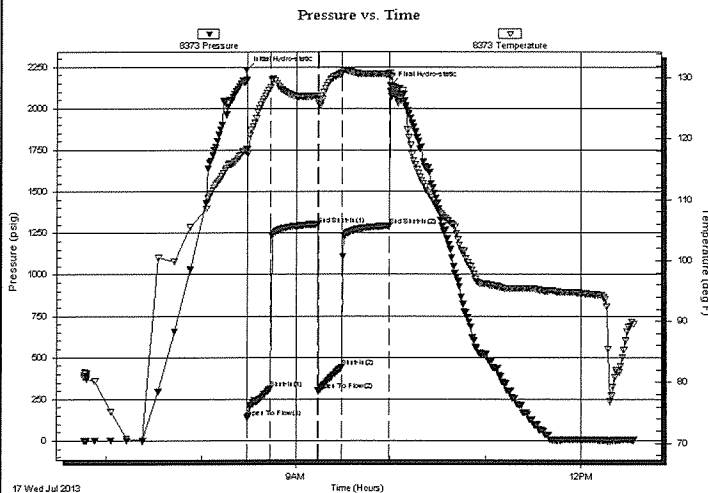
**8-20s-25w Ness KS**  
**Pete #1**  
 Job Ticket: 53179      **DST#: 1**  
 Test Start: 2013.07.17 @ 06:45:38

**GENERAL INFORMATION:**

Formation: **Miss**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 08:29:08  
 Time Test Ended: 12:33:38  
 Interval: **4427.00 ft (KB) To 4489.00 ft (KB) (TVD)**  
 Total Depth: 4489.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brandon Turley  
 Unit No: 60  
 Reference Elevations: 2467.00 ft (KB)  
 2462.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8373      Inside**  
 Press@RunDepth: 440.77 psig @ 4428.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.07.17      End Date: 2013.07.17      Last Calib.: 2013.07.17  
 Start Time: 06:45:43      End Time: 12:33:37      Time On Btm: 2013.07.17 @ 08:28:08  
 Time Off Btm: 2013.07.17 @ 10:00:08

**TEST COMMENT:** IF: BOB in 3 min.  
 IS: Surface blow BOB in 24 min.  
 FF: BOB in 2 min.  
 FS: Surface blow BOB in 28 min.



**PRESSURE SUMMARY**

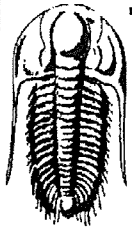
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.79	118.14	Initial Hydro-static
1	137.30	117.71	Open To Flow (1)
16	313.63	128.38	Shut-In(1)
46	1301.24	127.00	End Shut-In(1)
46	298.74	126.22	Open To Flow (2)
61	440.77	130.78	Shut-In(2)
91	1292.89	130.57	End Shut-In(2)
92	2137.29	130.34	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
186.00	gocm 30%g 20%o 50%m	1.48
310.00	mcgo 10%g 80%o 10%m	4.35
248.00	mcgo 30%g 60%o 10%m	3.48
341.00	go 10%g 90%o	4.78
0.00	465 GIP	0.00

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum  
4924 SE 84th St  
New ton, KS 67114  
ATTN: Nick Gerstner

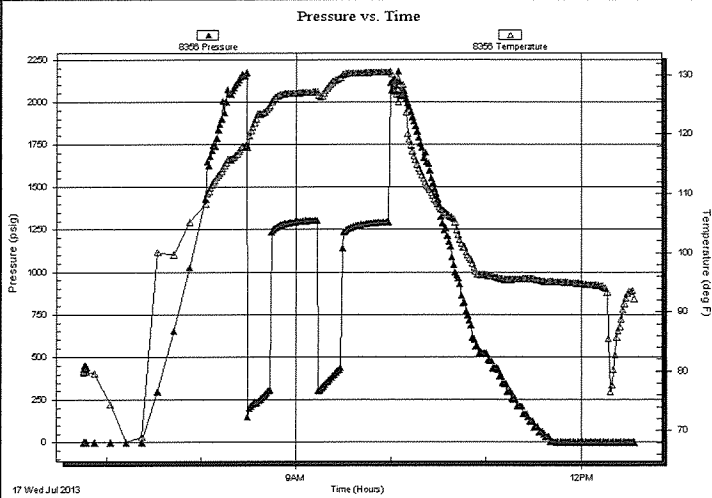
**8-20s-25w Ness KS**  
**Pete #1**  
Job Ticket: 53179      **DST#: 1**  
Test Start: 2013.07.17 @ 06:45:38

**GENERAL INFORMATION:**

Formation: <b>Miss</b>			
Deviated: No	Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 08:29:08			Tester: Brandon Turley
Time Test Ended: 12:33:38			Unit No: 60
Interval: <b>4427.00 ft (KB) To 4489.00 ft (KB) (TVD)</b>			Reference Elevations: 2467.00 ft (KB)
Total Depth: 4489.00 ft (KB) (TVD)			2462.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good		KB to GR/CF: 5.00 ft

<b>Serial #: 8356</b>	<b>Outside</b>				
Press@RunDepth:	psig @	4428.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2013.07.17	End Date:	2013.07.17	Last Calib.:	2013.07.17
Start Time:	06:45:25	End Time:	12:33:19	Time On Btm:	
				Time Off Btm:	

**TEST COMMENT:** IF: BOB in 3 min.  
IS: Surface blow BOB in 24 min.  
FF: BOB in 2 min.  
FS: Surface blow BOB in 28 min.



**PRESSURE SUMMARY**

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

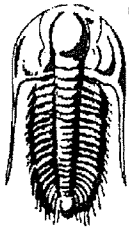
**Recovery**

Length (ft)	Description	Volume (bbl)
186.00	gocm 30%g 20%o 50%m	1.48
310.00	mcgo 10%g 80%o 10%m	4.35
248.00	mcgo 30%g 60%o 10%m	3.48
341.00	go 10%g 90%o	4.78
0.00	465 GIP	0.00

**Gas Rates**

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**8-20s-25w Ness KS**

4924 SE 84th St  
New ton, KS 67114

**Pete #1**

Job Ticket: 53179

**DST#: 1**

ATTN: Nick Gerstner

Test Start: 2013.07.17 @ 06:45:38

### Tool Information

Drill Pipe:	Length: 4294.00 ft	Diameter: 3.80 inches	Volume: 60.23 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4427.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4400.00	
Shut In Tool	5.00			4405.00	
Hydraulic tool	5.00			4410.00	
Jars	5.00			4415.00	
Safety Joint	3.00			4418.00	
Packer	5.00			4423.00	28.00 Bottom Of Top Packer
Packer	4.00			4427.00	
Stubb	1.00			4428.00	
Recorder	0.00	8373	Inside	4428.00	
Recorder	0.00	8356	Outside	4428.00	
Perforations	22.00			4450.00	
Change Over Sub	1.00			4451.00	
Drill Pipe	32.00			4483.00	
Change Over Sub	1.00			4484.00	
Bullnose	5.00			4489.00	62.00 Bottom Packers & Anchor

**Total Tool Length: 90.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**8-20s-25w Ness KS**

4924 SE 84th St  
New ton, KS 67114

**Pete #1**

Job Ticket: 53179

**DST#: 1**

ATTN: Nick Gerstner

Test Start: 2013.07.17 @ 06:45:38

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	gocm 30%g 20%o 50%m	1.480
310.00	mcgo 10%g 80%o 10%m	4.348
248.00	mcgo 30%g 60%o 10%m	3.479
341.00	go 10%g 90%o	4.783
0.00	465 GIP	0.000

Total Length: 1085.00 ft      Total Volume: 14.090 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 39@90=36

Serial #: 8373

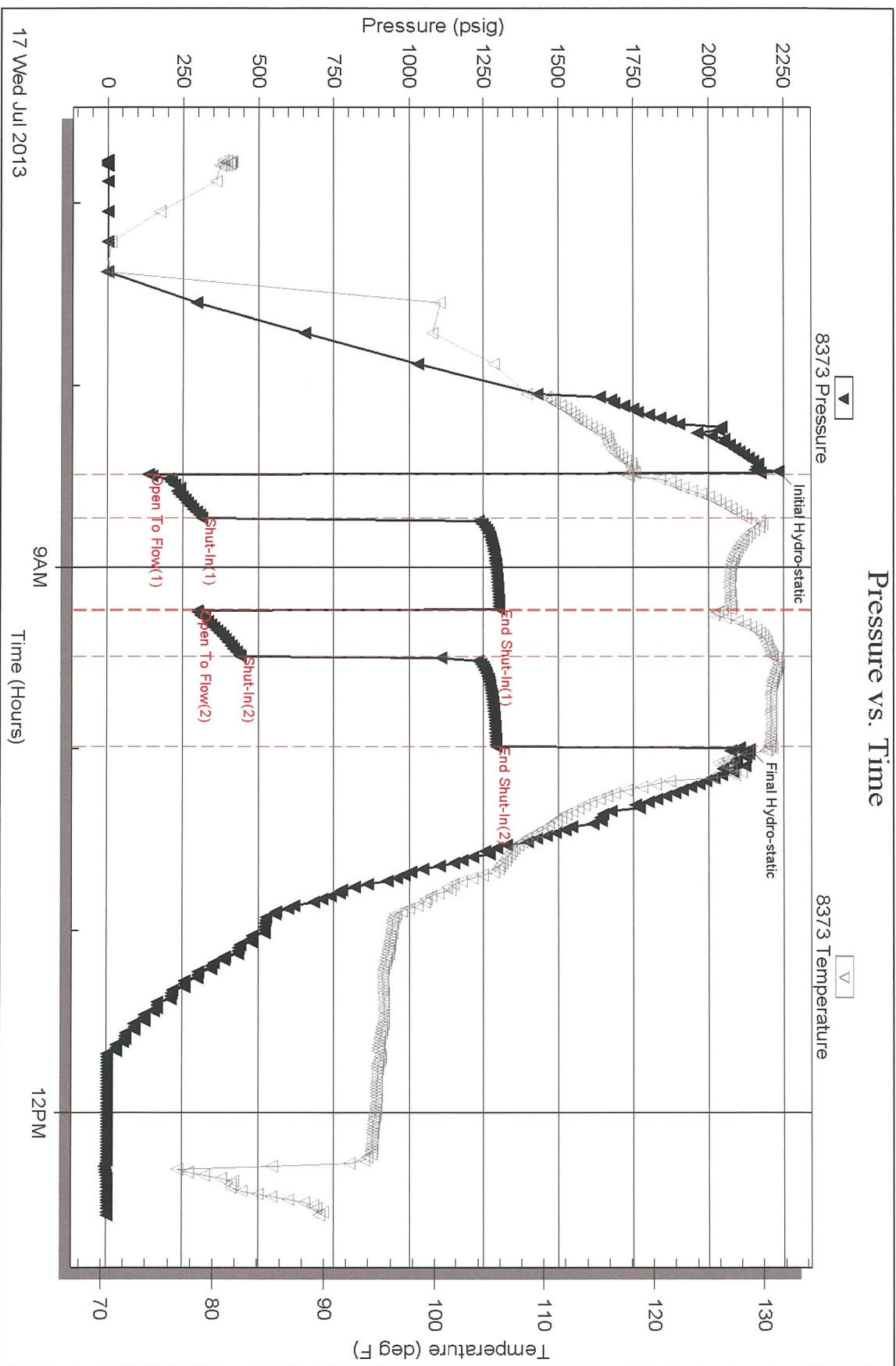
Inside

Palomino Petroleum

Pete #1

DST Test Number: 1

### Pressure vs. Time

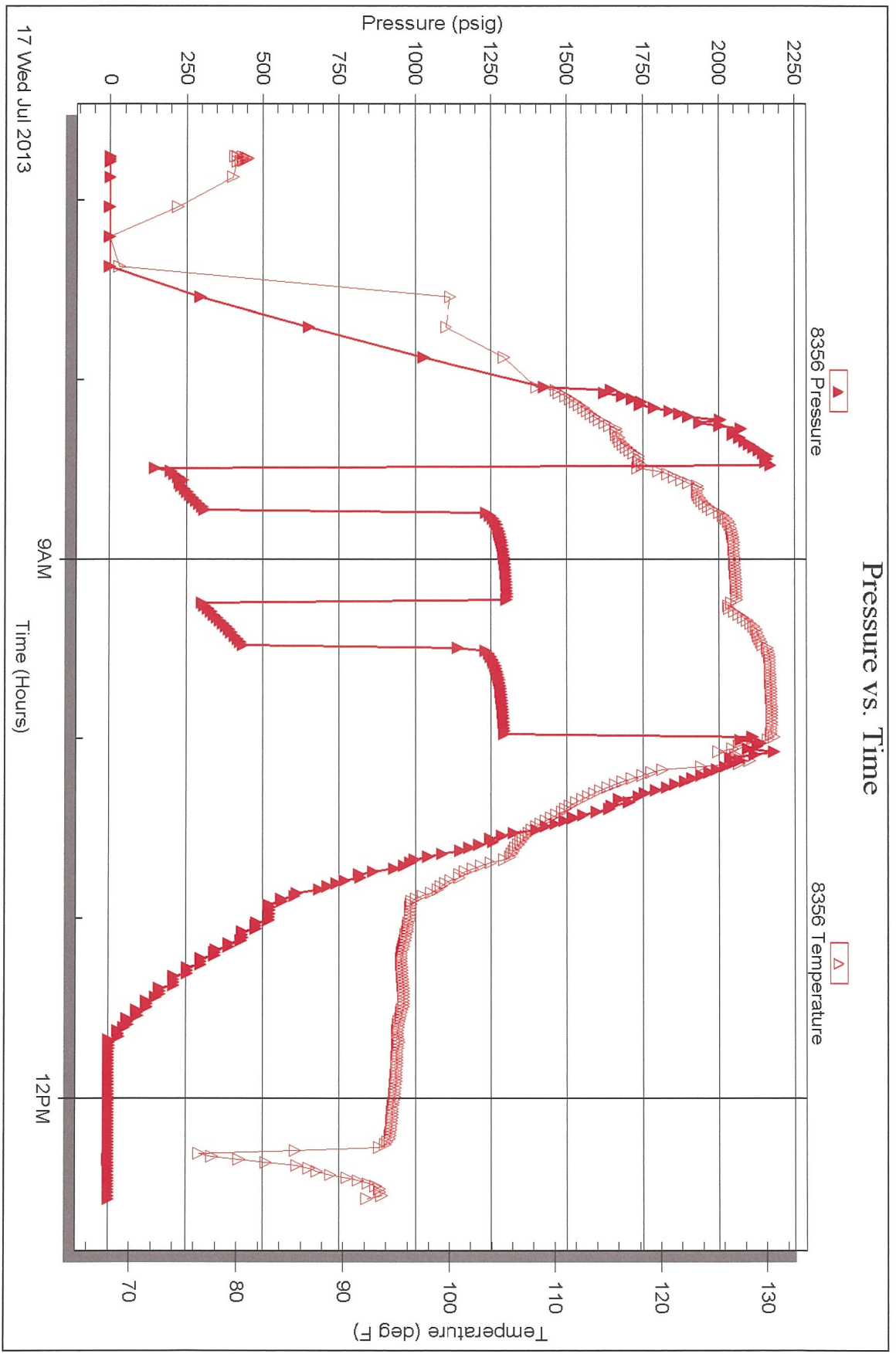


Serial #: 8356

Outside Palomino Petroleum

Pete #1

DST Test Number: 1

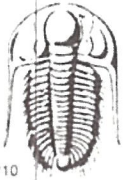


Triobite Testing, Inc

Ref. No: 53179

Printed: 2013.07.17 @ 14:49:23





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53179

Well Name & No. Pete #1 Test No. 1 Date 7-17-13  
 Company Palomino Petroleum Inc Elevation 2467 KB 2462 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Nick Gerstner Rig WW #10  
 Location: Sec. 8 Twp. 20 Rge. 25 Co. Ness State KS

Interval Tested 4427 4489 Zone Tested M:55  
 Anchor Length 62 Drill Pipe Run 4294 Mud Wt. 9.4  
 Top Packer Depth 4422 Drill Collars Run 124 Vis 50  
 Bottom Packer Depth 4427 Wt. Pipe Run --- WL 8.8  
 Total Depth 4489 Chlorides 3800 ppm System LCM 1/2

Blow Description IF: BoB in 3 min.  
FS: surface blow ~~BoB~~ BoB in 24 min.  
FF: BoB in 2 min.  
FS: surface blow BoB in 28 min.

Rec	Feet of	%gas	%oil	%water	%mud
341	90	10	90		
248	MC90	30	60		10
310	MC90	10	80		10
186	90CM	30	20		50
Rec	Feet of <u>465 GFD</u>	%gas	%oil	%water	%mud
Rec Total	<u>1085</u> BHT <u>130</u> Gravity <u>36</u> API RW <u>---</u> @ <u>---</u> ° F Chlorides <u>---</u> ppm				

(A) Initial Hydrostatic 2232  Test 1250 T-On Location 5:10  
 (B) First Initial Flow 137  Jars 250 T-Started 6:45  
 (C) First Final Flow 313  Safety Joint 75 T-Open 8:28  
 (D) Initial Shut-In 1301  Circ Sub NIL T-Pulled 9:58  
 (E) Second Initial Flow 298  Hourly Standby --- T-Out 12:35  
 (F) Second Final Flow 440  Mileage 115 - 178.25 Comments ---  
 (G) Final Shut-In 1292  Sampler ---  
 (H) Final Hydrostatic 2137  Straddle ---  Ruined Shale Packer ---  
 Shale Packer ---  Ruined Packer ---  
 Extra Packer ---  Extra Copies ---  
 Extra Recorder --- Sub Total 0  
 Day Standby --- Total 1753.25  
 Accessibility --- MP/DST Disc't ---

Initial Open 15  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In 30  
 Sub Total 1753.25

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

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