



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1271778  
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: \_\_\_\_\_



1271778

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

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

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

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing     Pumping     Gas Lift     Other *(Explain)* \_\_\_\_\_

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Wallace-Rebarchek 1
Doc ID	1271778

All Electric Logs Run

Dual Receiver Cement Bond
Compensated Density Neutron
Dual Induction
Micro Resistivity

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Wallace-Rebarchek 1
Doc ID	1271778

Tops

Name	Top	Datum
Anhy.	2260	(+572)
Base Anhy.	2319	(+513)
Heebner	3874	(-1042)
Toronto	3895	(-1063)
Lansing	3912	(-1080)
Muncie Creek	4076	(-1244)
Stark Sh.	4163	(-1331)
Hushpuckney	4198	(-1366)
BKC	4236	(-1404)
Marmaton	4274	(-1442)
Pawnee	4359	(-1527)
Myrick Station	4389	(-1557)
Ft. Scott	4417	(-1585)
Cherokee Sh.	4442	(-1610)
Miss.	4538	(-1706)
LTD	4749	(-1917)



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



RECEIVED

OCT 30 2015

# Invoice

DATE	INVOICE #
10/23/2015	29037

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Wallace-Reb...	Gove	WW Drilling	Oil	Development	Cement 5-1/2" L...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	60	Miles	5.00	300.00
578D-L	Pump Charge - Long String	1	Job	1,250.00	1,250.00
403-5	5 1/2" Cement Basket	1	Each	250.00	250.00T
409-5	5 1/2" Turbolizer	13	Each	75.00	975.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	300.00	300.00T
404-5	5 1/2" Port Collar	1	Each	2,500.00	2,500.00T
325	Standard Cement	100	Sacks	12.25	1,225.00T
284	Calseal	5	Sack(s)	30.00	150.00T
283	Salt	500	Lb(s)	0.20	100.00T
285	CFR-1	50	Lb(s)	4.50	225.00T
276	Flocele	50	Lb(s)	2.25	112.50T
330	Swift Multi-Density Standard (MIDCON II)	125	Sacks	15.75	1,968.75T
290	D-Air	2	Gallon(s)	42.00	84.00T
281	Mud Flush	500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
581D	Service Charge Cement	225	Sacks	1.50	337.50
583D	Drayage	687	Ton Miles	0.75	515.25
	Subtotal				11,243.00
	Sales Tax Gove County			8.50%	751.42

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$11,994.42
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Services, Inc.

CHARGE TO: **Permiano Petroleum**

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29037

PAGE 1 OF 2

1. <b>Ness City KS</b>	WELL/PROJECT NO. <b>#1</b>	LEASE <b>Wallace-Reberchek</b>	COUNTY/PARISH <b>Greene</b>	STATE <b>KS</b>	CITY <b>Greene</b>	DATE <b>10-23-15</b>	OWNER <b>Same</b>
2. <b>W&amp;W Drilling Inc.</b>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>W&amp;W Drilling Inc.</b>	RIG NAME/NO. <b>#2</b>	SHIPPED <input checked="" type="checkbox"/> VENDOR	DELIVERED TO <b>Location</b>	ORDER NO.	
3. <b>Development</b>	WELL TYPE <b>O-1</b>	WELL CATEGORY <b>Development</b>	JOB PURPOSE <b>Cement 5 1/2" Longstring</b>	WELL PERMIT NO.		WELL LOCATION <b>Greene 15-105, 10 day 1/2 y E imb</b>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					TRK #112				60	mi	5.00	3000.00
578					Pump Change - Longstring						1250.00	1250.00
403					Cement Basket				1	ea	250.00	250.00
409					Turbolizer				13	ea	75.00	975.00
406					Launch Down Plug + Baffle				1	ea	225.00	225.00
407					Insert Flat Shoe w/ Auto Fill				1	ea	300.00	300.00
404					Part Collar				1	ea	2500.00	2500.00

**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

X *Blaine [Signature]*  
 DATE SIGNED **10-23-15** TIME SIGNED **0430**  A.M.  P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL #1	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input type="checkbox"/>			2	5443.00
WE UNDERSTOOD AND MET YOUR NEEDS?	<input type="checkbox"/>				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input type="checkbox"/>				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input type="checkbox"/>				
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/>				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					
TOTAL					11,994.42

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR

*David Kushn*

APPROVAL

Thank You!



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 29037

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOG ACCT DF	TIME	CUSTOMER DESCRIPTION	WELL NAME	DATE	PAGE	OF
325				Standard Cement (EA-2)	Well - Redbank #1	10-23-15	2	2
284				Calseed				
283				Self				
285				CFR-1				
276				Flocel				
330				SMD Cement				
290				D-Air				
281				Mud Flush				
221				Liquid HCL				

QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
100	sls	12	35		1225.00
5	sls	30	00		150.00
10	%	0	30		100.00
1/2	96	50	165		225.00
1/4	16	50	165		112.50
125	sls	15	75		1968.75
2	gal	42	00		84.00
500	gal	1	35		625.00
4	gal	25	00		100.00

SERVICE CHARGE  
MILEAGE TOTAL WEIGHT  
CHARGE 22400

LOADED MILES 60  
CUBIC FEET 225  
TON MILES 687  
UNIT PRICE 1.80  
AMOUNT 337.50

CONTINUATION TOTAL 5443.00

JOB LOG

SWIFT Services, Inc.

DATE 10-23-15 PAGE NO.

CUSTOMER		WELL NO. #		LEASE		JOB TYPE		TICKET NO.	
Palomino Petroleum		1		Walker-Retearchek		Cement 5 1/2" Longstring		29037	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0330							on Location	5 1/2 14"
								RTD- 4749'	LTD- N/A
								TP- 4751'	Set- 4748'
								SJ- #1 42.10'	PC - ↑ #59 2270'
								Turbos- 1"3"5"7"9"11"13"15"17"18"19"20"58	
								Basket- #59	Jts out- #114"115"116"117
	0450							Start 5 1/2 14" casing in well	
	0655							Drop Ball Circulate	* Rotate *
	0759	6 1/2	12		✓		300	Pump 500 gal Mud Flush	
		6 1/2	20		✓		300	Pump 20 gal KCL Flush	
			11-7					Plug RH-MH	(30 sks)(20 sks)
	0817	4 1/2	36		✓		300	Mix <del>95</del> 75 sks SMD w/ 1/4" Flo @ 12.5 ppg	
		4 1/2	24		✓		200	Mix 100 sks EA-2 w/ 1/4" Flo @ 15.5 ppg	
								Wash out Pump & Lines	
								Release Latch Down Plug	
	0840	6 1/2	0		✓		100	Start Displacement	
		6 1/2	72		✓		300	Lift Pressure	
		6 1/2	113		✓		800	Max Lift Pressure	
	0858	6 1/2	114.8		✓		1700	Land Latch Down Plug	
								Release Pressure	* Plug Hold *
								Wash up Trucks	
	0930							Job Complete	
								Thanks You	
								Dave John Issac	





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



# Invoice

DATE	INVOICE #
10/30/2015	29041

RECEIVED

NOV 04 2015

- 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	Wallace-Reb...	Gove	Express Well Serv...	Oil	Development	Cement 5-1/2" P...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	5.00	350.00
576D-D	Pump Charge - Port Collar	1	Job	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)	155	Sacks	15.75	2,441.25T
276	Flocele	40	Lb(s)	2.25	90.00T
290	D-Air	2	Gallon(s)	42.00	84.00T
105	5 1/2" Port Collar Tool Rental With Man	1	Each	275.00	275.00T
581D	Service Charge Cement	275	Sacks	1.50	412.50
583D	Drayage	956.38	Ton Miles	0.75	717.29
	Subtotal				5,620.04
	Sales Tax Gove County			8.50%	245.67

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$5,865.71
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Services, Inc.

CHARGE TO: Palomino Petroleum  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 29041

WELL/PROJECT NO. A  
 LEASE Willace - Research  
 COUNTY/PARISH Grege  
 STATE KS CITY Grege DATE 10-30-15  
 RIG NAME/NO. Grege  
 SHIPPED VIA ET DELIVERED TO location ORDER NO. Same

PAGE 1 OF 1

1. Ness City KS WELL/PROJECT NO. A LEASE Willace - Research COUNTY/PARISH Grege STATE KS CITY Grege DATE 10-30-15 OWNER Same

2. TICKET TYPE  SERVICE CONTRACTOR Express Well Service RIG NAME/NO. Grege SHIPPED VIA ET DELIVERED TO location ORDER NO. Same

3.  SALES WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement 5 1/2" Port Collar WELL PERMIT NO. Grege - 10g, 10 day Day Entry

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1			Trk # 112			70	mi		5.00	350.00
576 D		1			Pump Charge - Port Collar			1	job		1250.00	1250.00
330		1			SMD Cement			155	shs		15.75	2441.25
276		1			Block			1/4	lb		2.25	90.00
290		1			D-Air			2	gcl		42.00	84.00
105		1			Port Collar Tool Rental			5	lb in		27.50	275.00
581		1			Service Charge Cement			275	shs		1.50	412.50
583		1			Draysage			27325	lbs	956.38	1.74	717.29

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.

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?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 5620.04

TOTAL 5865.71

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

DATE SIGNED 10-30-15 TIME SIGNED 1130 3 A.M.

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

DATE SIGNED 10-30-15 TIME SIGNED 1130 3 A.M.

TOTAL 5865.71

SWIFT OPERATOR David Kuehn APPROVAL

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10-30-15 PAGE NO. 7

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomina Petroleum		#1		Wallace - Rebarcheck		Cement 5 1/2" Port Collar		29041	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0945								on Location
									P.L. = 2270 2 3/8 x 5 1/2 275 sks SMD w/ 1/4" Flo
	1020	Ø	Ø		✓		1000		Pressure Test * Hold *
									open Port Collar
	1030	3 1/2	5		✓		400		Injection Rate
	1040	4	86		✓		300		mix 155 sks @ 11.2 fpg circulate * 20 sks to pit *
	1105	4	8		✓		400		Displace Cement
	1110	Ø	Ø		✓		1000		Close Port Collar * Hold *
									Run S.its * 155 sks total * * 20 to pit *
	1120	4	25		✓		350		Reverse Clean
									wash up Trucks
	1200								Job Complete

Thank You  
Dave John Preston



RECEIVED

OCT 26 2015

# INVOICE

P.O. Box 205803  
Dallas, TX 75320-5803

Invoice Number: 151007

Invoice Date: Oct 12, 2015

Page: 1

Voice: (832) 482-3742  
Fax: (832) 482-3738

Federal Tax I.D.#: 20-8651475

<b>Bill To:</b>
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	55808	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Oct 12, 2015	11/11/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Wallace Rebarcek #1		
165.00	CEMENT MATERIALS	Class A Common	17.90	2,953.50
310.00	CEMENT MATERIALS	Gel	0.50	155.00
465.00	CEMENT MATERIALS	Chloride	1.10	511.50
178.42	CEMENT SERVICE	Cubic Feet Charge	2.48	442.48
244.20	CEMENT SERVICE	Ton Mileage Charge	2.75	671.55
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
30.00	CEMENT SERVICE	Pump Truck Mileage	7.70	231.00
30.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	132.00
1.00	JOB DISCOUNT	Job Discount if paid within terms -- Material	2,172.00	-2,172.00
1.00	JOB DISCOUNT	Job Discount if paid within terms -- Cement Service	1,793.57	-1,793.57
1.00	CEMENT SUPERVISOR	Robert Yakubovich		
1.00	EQUIPMENT OPERATOR	Brian Lang		
1.00	OPERATOR ASSISTANT	Tracy Jordan		

<p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. ONLY IF PAID ON OR BEFORE</p> <p><b>Nov 11, 2015</b></p> <p>1 1/2% CHARGED THEREAFTER.</p>	Subtotal	2,643.71
	Sales Tax	123.08
	Total Invoice Amount	2,766.79
	Payment/Credit Applied	
	<b>TOTAL</b>	<b>2,766.79</b>

# ALLIED OIL & GAS SERVICES, LLC 055808

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend KS

DATE <u>10-12-15</u>	SEC. <u>19</u>	TWP. <u>19</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00 PM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>Rebarchek</u>		WELL # <u>1</u>		LOCATION <u>Dighton KS 29 N 11W</u>		COUNTY <u>Gove</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)			<u>1/4 N E into</u>				

CONTRACTOR WW #2

TYPE OF JOB surface

HOLE SIZE 12 1/4 T.D. 209

CASING SIZE 8 5/8 23# DEPTH 207

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 15

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT 12 bbl

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 165 cam 39acc 27gel

EQUIPMENT

PUMP TRUCK # 366 CEMENTER Robert Yakubovich

BULK TRUCK # 871-112 DRIVER Tracy Jordan

HELPER Brian Long

DRIVER \_\_\_\_\_

COMMON	<u>165</u>	@ <u>17.90</u>	<u>2,953.50</u>
POZMIX		@	
GEL	<u>310</u>	@ <u>.50</u>	<u>155.00</u>
CHLORIDE	<u>465</u>	@ <u>1.10</u>	<u>511.50</u>
ASC		@	
<del>ASC</del>		@	<u>3,620.00</u>
		@ <u>60%</u>	<u>2,172.00</u>
		@	<u>1478.00</u>
		@	
		@	
		@	
HANDLING	<u>178.72</u>	@ <u>2.48</u>	<u>442.48</u>
MILEAGE	<u>8.14 x 30 x</u>	<u>2.75</u>	<u>671.55</u>
TOTAL			

REMARKS:

see log

cement did circulate 20 sks to pit

Thank you!!!

CHARGE TO: Palomino Petroleum Inc

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB _____		
PUMP TRUCK CHARGE _____		<u>1512.25</u>
EXTRA FOOTAGE _____	@	
MILEAGE <u>Num 30</u>	@ <u>7.70</u>	<u>231.00</u>
MANIFOLD _____	@	
<u>lum 30</u>	@ <u>4.40</u>	<u>132.00</u>
	@	

TOTAL 2,989.28

60% 1,793.57

PLUG & FLOAT EQUIPMENT 1195.71

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

_____	@	
_____	@	
_____	@	
_____	@	
_____	@	
TOTAL _____		

SALES TAX (If Any) \_\_\_\_\_

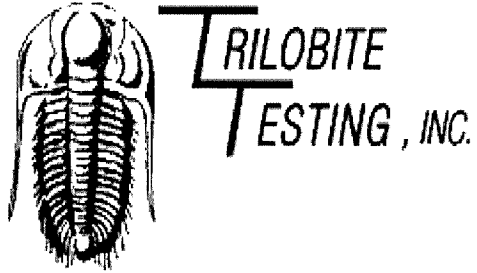
TOTAL CHARGES 6,609.28

DISCOUNT 3,965.57 IF PAID IN 30 DAYS

2,643.71

PRINTED NAME \_\_\_\_\_

SIGNATURE [Signature]



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

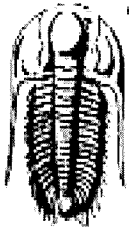
Start Date: 2015.10.16 @ 06:13:00

End Date: 2015.10.16 @ 11:39:09

Job Ticket #: 61719                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.23 @ 09:44:10



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove, KS**

**Wallace-Rebarchek #1**

Job Ticket: 61719

DST#: 1

Test Start: 2015.10.16 @ 06:13:00

## GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:10

Time Test Ended: 11:39:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Interval: **3836.00 ft (KB) To 3877.00 ft (KB) (TVD)**

Total Depth: 3877.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 150.95 psig @ 3837.00 ft (KB)

Start Date: 2015.10.16

End Date:

2015.10.16

Start Time: 06:13:02

End Time:

11:39:10

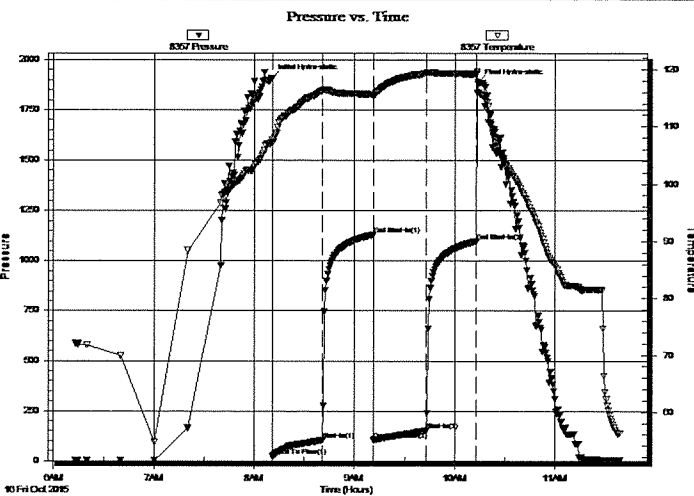
Capacity: 8000.00 psig

Last Calib.: 2015.10.16

Time On Btm: 2015.10.16 @ 08:10:00

Time Off Btm: 2015.10.16 @ 10:14:00

TEST COMMENT: 30- B.O.B. @ 25 min.  
30- No return.  
32- 10" Blow.  
30- No return.



## PRESSURE SUMMARY

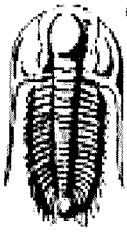
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1907.44	107.14	Initial Hydro-static
2	23.41	107.23	Open To Flow (1)
31	104.26	116.33	Shut-In(1)
61	1130.71	115.67	End Shut-In(1)
62	105.48	115.25	Open To Flow (2)
93	150.95	119.39	Shut-In(2)
123	1098.51	119.23	End Shut-In(2)
124	1886.49	117.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
275.00	OSMW 30m 70w	2.76

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove,KS**

**Wallace-Rebarchek #1**

Job Ticket: 61719

DST#: 1

Test Start: 2015.10.16 @ 06:13:00

### GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:10

Time Test Ended: 11:39:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Interval: **3836.00 ft (KB) To 3877.00 ft (KB) (TVD)**

Total Depth: 3877.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6751 Outside**

Press@RunDepth: psig @ 3837.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.16

End Date:

2015.10.16

Last Calib.:

2015.10.16

Start Time:

06:12:52

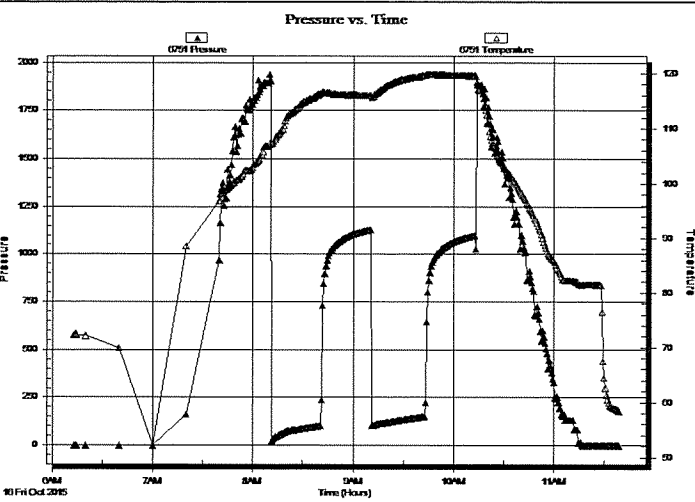
End Time:

11:39:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- B.O.B. @ 25 min.  
30- No return.  
32- 10" Blow .  
30- No return.



### PRESSURE SUMMARY

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

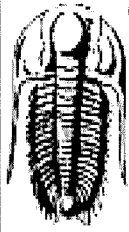
### Recovery

Length (ft)	Description	Volume (bbl)
275.00	OSMW 30m 70w	2.76

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61719

**DST#: 1**

ATTN: Andrew Stenzel

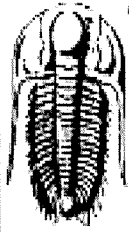
Test Start: 2015.10.16 @ 06:13:00

## Tool Information

Drill Pipe:	Length: 3700.00 ft	Diameter: 3.80 inches	Volume: 51.90 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<b>Total Volume: 52.49 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.50 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3836.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	68.50 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			3809.50	
Shut In Tool	5.00			3814.50	
Hydraulic tool	5.00			3819.50	
Jars	5.00			3824.50	
Safety Joint	2.50			3827.00	
Packer	5.00			3832.00	27.50 Bottom Of Top Packer
Packer	4.00			3836.00	
Stubb	1.00			3837.00	
Perforations	0.00			3837.00	
Recorder	0.00	8357	Inside	3837.00	
Recorder	0.00	6751	Outside	3837.00	
Perforations	5.00			3842.00	
Change Over Sub	1.00			3843.00	
Drill Pipe	30.00			3873.00	
Change Over Sub	1.00			3874.00	
Bullnose	3.00			3877.00	41.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>68.50</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61719

**DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2015.10.16 @ 06:13:00

### 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:	82000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
275.00	OSMW 30m 70w	2.764

Total Length: 275.00 ft      Total Volume: 2.764 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .135 @ 49 Degrees F

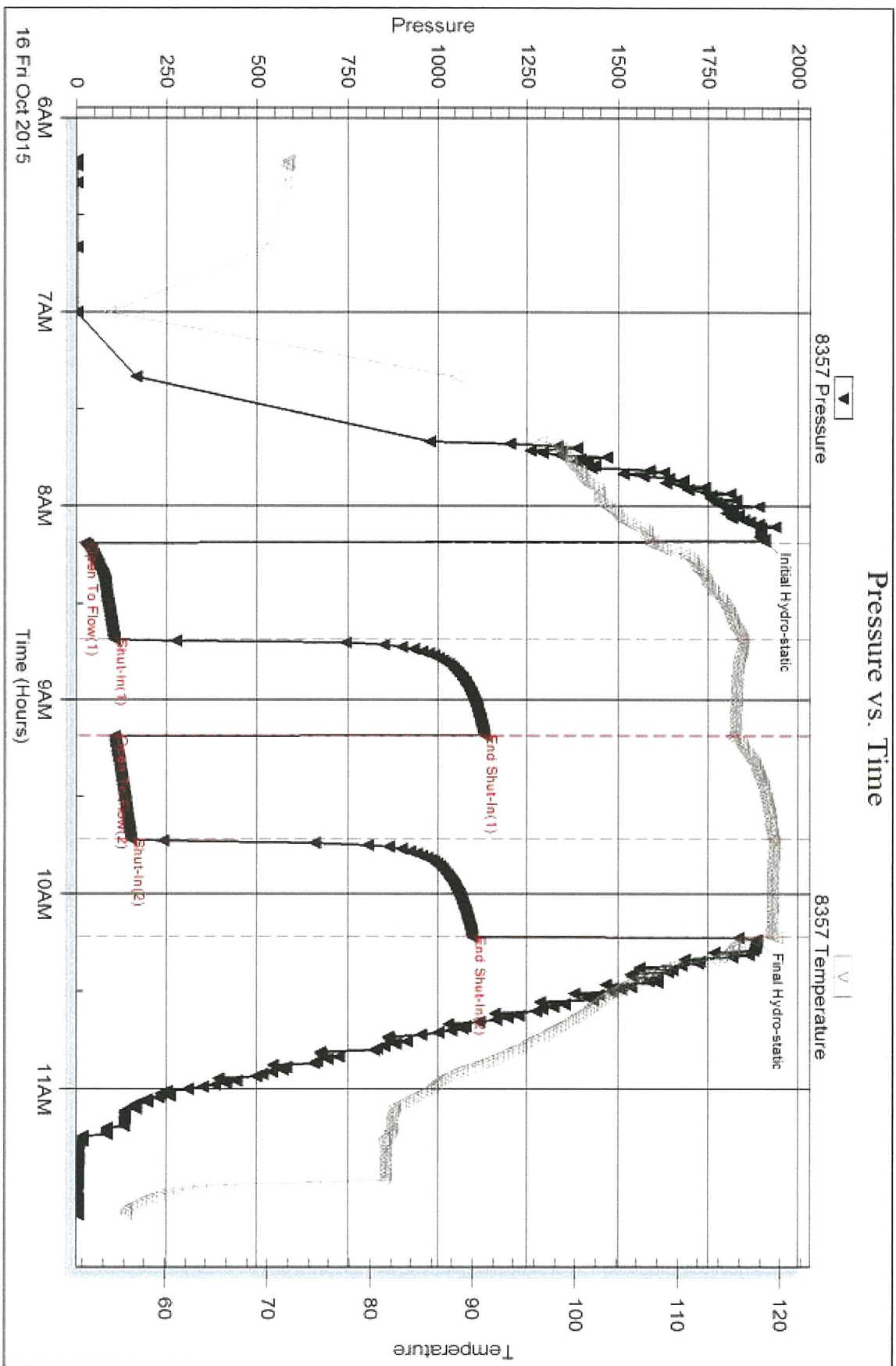
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

DST Test Number: 1



Tricobite Testing, Inc

Ref. No: 61719

Printed 2015 10 23 @ 09:44 11

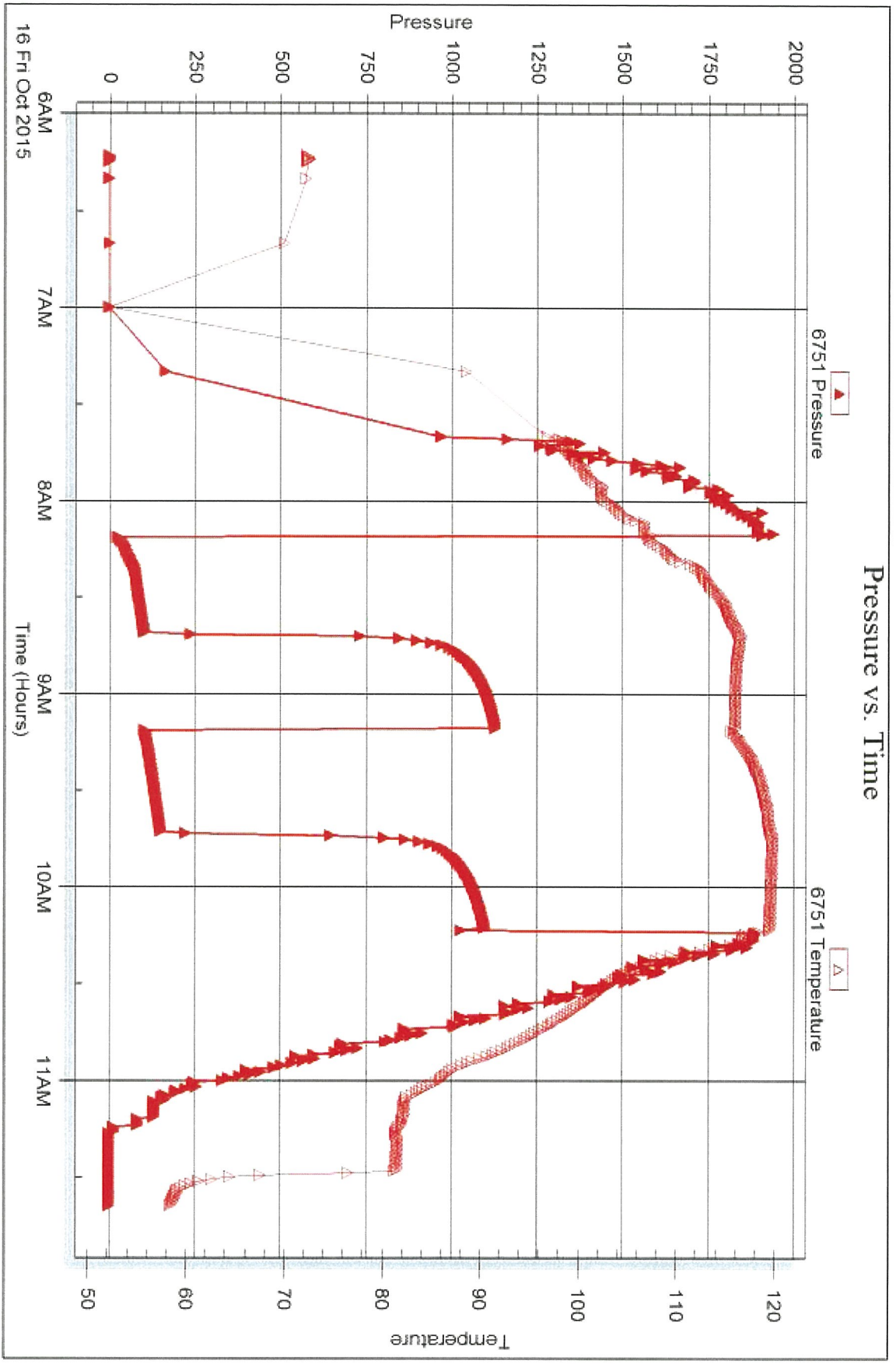
Serial #: 6751

Outside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

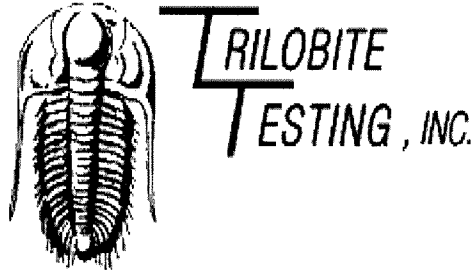
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 61719

Printed 2015 10 23 @ 09:44:11



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

Start Date: 2015.10.16 @ 20:20:00

End Date: 2015.10.17 @ 01:58:09

Job Ticket #: 61720                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.23 @ 09:43:48

Palomino Petroleum, Inc.

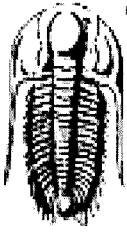
S19-14s-30w Gove,KS

Wallace-Rebarchek #1

DST # 2

LKC 'A'

2015.10.16



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove,KS**

**Wallace-Rebarchek #1**

Job Ticket: 61720

**DST#: 2**

Test Start: 2015.10.16 @ 20:20:00

## GENERAL INFORMATION:

Formation: **LKC 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:29:00

Time Test Ended: 01:58:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

**Interval: 3905.00 ft (KB) To 3934.00 ft (KB) (TVD)**

Total Depth: 3934.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 192.06 psig @ 3906.00 ft (KB)

Start Date: 2015.10.16

End Date:

2015.10.17

Start Time: 20:20:02

End Time:

01:58:10

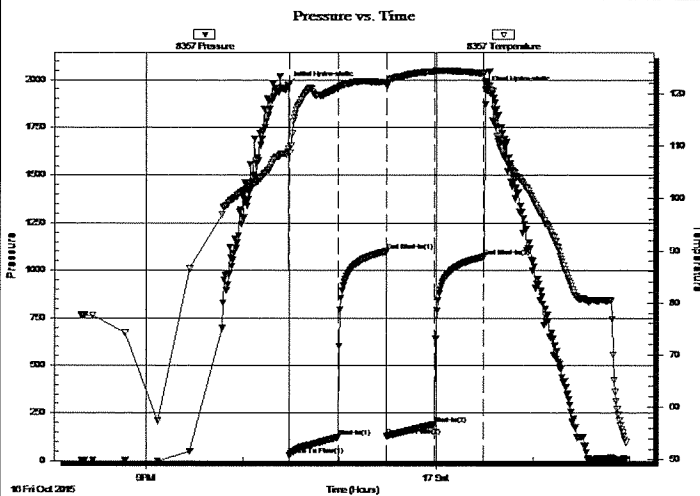
Capacity: 8000.00 psig

Last Calib.: 2015.10.17

Time On Btm: 2015.10.16 @ 22:27:40

Time Off Btm: 2015.10.17 @ 00:30:40

TEST COMMENT: 30- B.O.B. @ 18 min.  
30- No return.  
30- B.O.B. @ 27 min.  
30- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1970.00	108.88	Initial Hydro-static
2	30.70	108.72	Open To Flow (1)
32	124.62	121.06	Shut-In(1)
62	1100.29	122.11	End Shut-In(1)
62	130.46	121.71	Open To Flow (2)
92	192.06	124.21	Shut-In(2)
122	1071.46	123.89	End Shut-In(2)
123	1946.29	121.99	Final Hydro-static

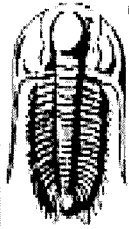
## Recovery

Length (ft)	Description	Volume (bbl)
430.00	MW 10m 90w	4.94
15.00	VSOCMW 1o 15m 84w	0.21

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove, KS**

**Wallace-Rebarchek #1**

Job Ticket: 61720

**DST#: 2**

Test Start: 2015.10.16 @ 20:20:00

## GENERAL INFORMATION:

Formation: **LKC 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:29:00

Time Test Ended: 01:58:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

**Interval: 3905.00 ft (KB) To 3934.00 ft (KB) (TVD)**

Total Depth: 3934.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6751 Outside**

Press@RunDepth: psig @ 3906.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.16

End Date:

2015.10.17

Last Calib.:

2015.10.17

Start Time: 20:20:02

End Time:

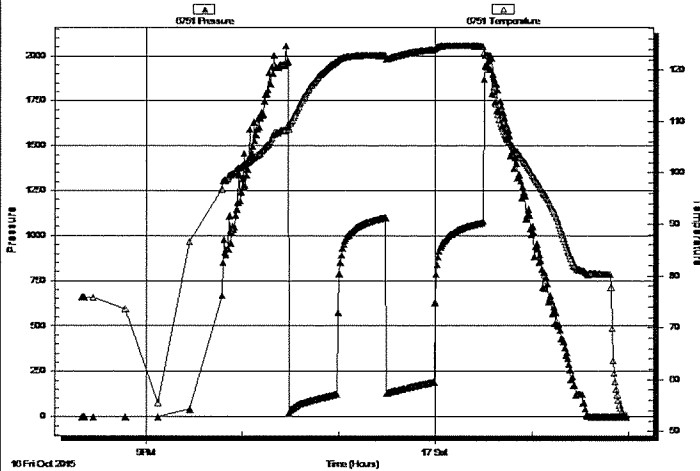
01:58:19

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- B.O.B. @ 18 min.  
30- No return.  
30- B.O.B. @ 27 min.  
30- No return.

Pressure vs. Time



## PRESSURE SUMMARY

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

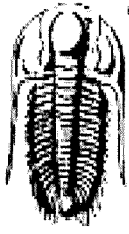
## Recovery

Length (ft)	Description	Volume (bbl)
430.00	MW 10m 90w	4.94
15.00	VSOCMW 1o 15m 84w	0.21

\* 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.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61720

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2015.10.16 @ 20:20:00

**Tool Information**

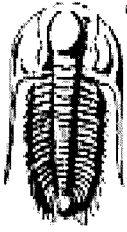
Drill Pipe:	Length: 3763.00 ft	Diameter: 3.80 inches	Volume: 52.78 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<b>Total Volume: 53.37 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.50 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3905.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	29.00 ft			
Tool Length:	56.50 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			3878.50	
Shut In Tool	5.00			3883.50	
Hydraulic tool	5.00			3888.50	
Jars	5.00			3893.50	
Safety Joint	2.50			3896.00	
Packer	5.00			3901.00	27.50 Bottom Of Top Packer
Packer	4.00			3905.00	
Stubb	1.00			3906.00	
Perforations	0.00			3906.00	
Recorder	0.00	8357	Inside	3906.00	
Recorder	0.00	6751	Outside	3906.00	
Perforations	25.00			3931.00	
Bullnose	3.00			3934.00	29.00 Bottom Packers & Anchor

**Total Tool Length: 56.50**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61720

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2015.10.16 @ 20:20:00

## 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:	91000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	MW 10m 90w	4.939
15.00	VSOCMW 1o 15m 84w	0.210

Total Length: 445.00 ft      Total Volume: 5.149 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .135 @ 45 Degrees F

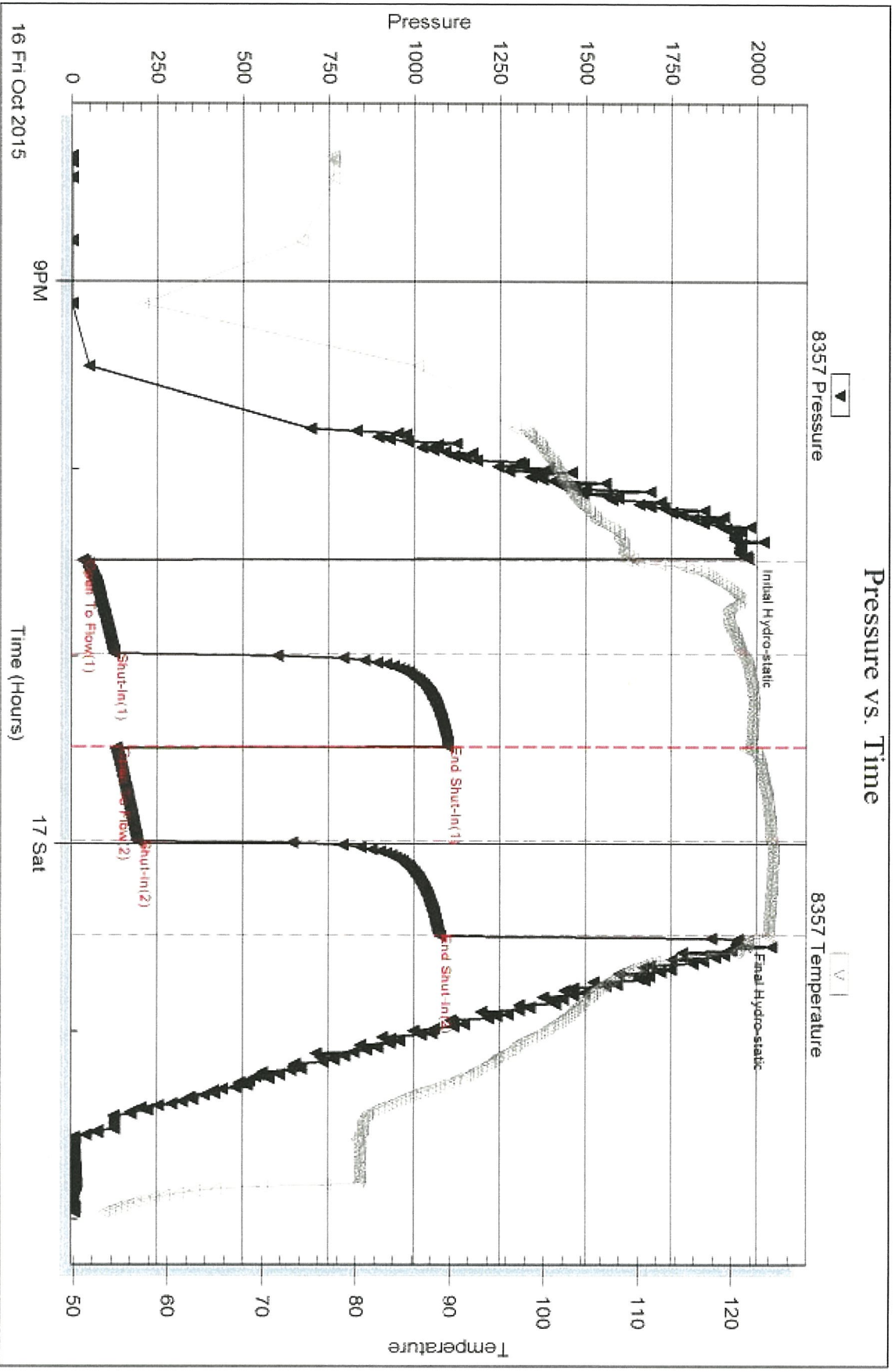
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 61720

Printed 2015 10 23 @ 09:43:49

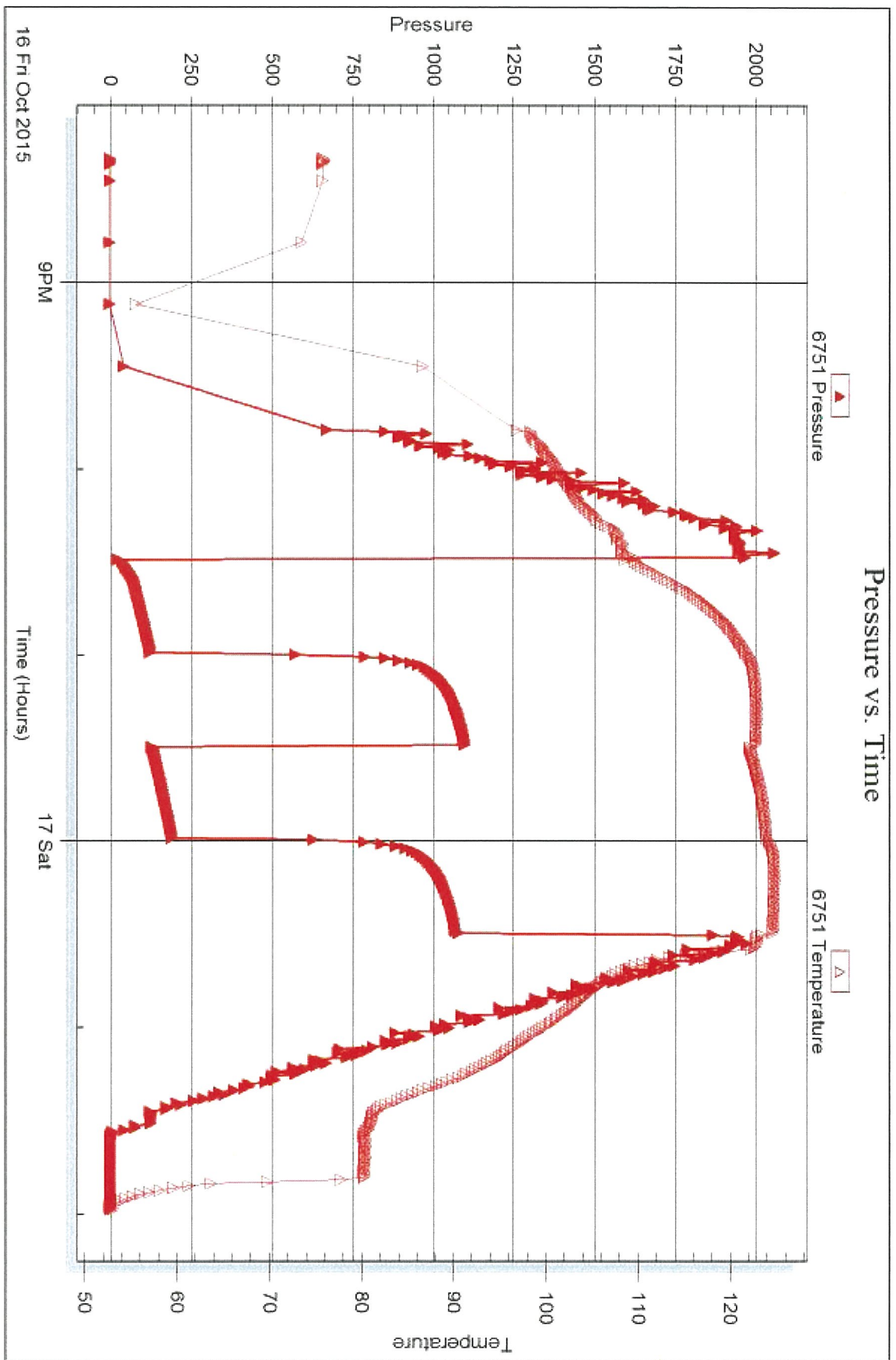
Serial #: 6751

Outside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

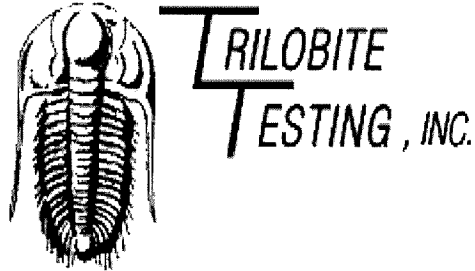
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 61720

Printed 2015 10 23 @ 09:43:49



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

Start Date: 2015.10.17 @ 09:58:00

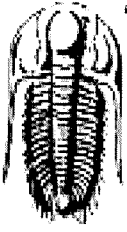
End Date: 2015.10.17 @ 14:43:00

Job Ticket #: 61721                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.23 @ 09:43:24

Palomino Petroleum, Inc. S19-14s-30w Gove,KS Wallace-Rebarchek #1 DST # 3 LKC'B' 2015.10.17



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**S19-14s-30w Gove, KS**

4924 SE 84th St.  
Newton, KS 67114

**Wallace-Rebarchek #1**

ATTN: Andrew Stenzel

Job Ticket: 61721

**DST#: 3**

Test Start: 2015.10.17 @ 09:58:00

## GENERAL INFORMATION:

Formation: **LKC 'B'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:25:10

Time Test Ended: 14:43:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **3931.00 ft (KB) To 3967.00 ft (KB) (TVD)**

Total Depth: 3967.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

## Serial #: 8357

Inside

Press@RunDepth: 81.59 psig @ 3932.00 ft (KB)

Start Date: 2015.10.17

End Date:

2015.10.17

Start Time: 09:58:02

End Time:

14:43:00

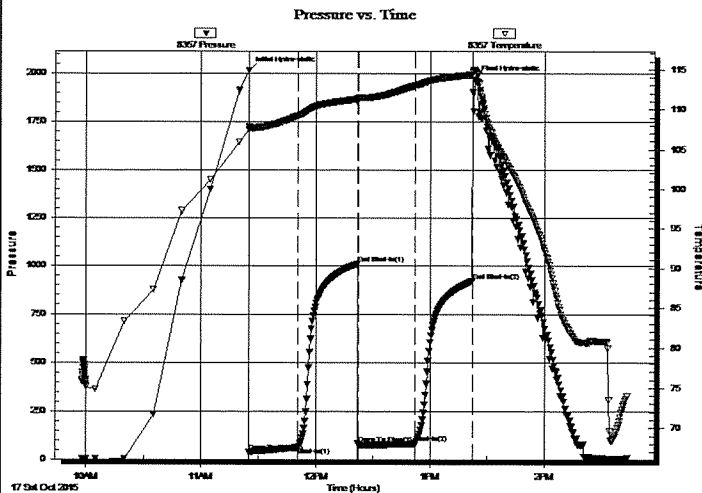
Capacity: 8000.00 psig

Last Calib.: 2015.10.17

Time On Btm: 2015.10.17 @ 11:25:00

Time Off Btm: 2015.10.17 @ 13:23:10

TEST COMMENT: 30- 9" Blow .  
30- No return.  
30- 8" Blow .  
30- 1/2" Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2017.06	107.44	Initial Hydro-static
1	38.73	107.81	Open To Flow (1)
26	61.88	109.17	Shut-In(1)
57	1011.82	111.29	End Shut-In(1)
58	76.87	111.35	Open To Flow (2)
88	81.59	112.98	Shut-In(2)
117	921.94	114.34	End Shut-In(2)
119	1970.55	114.98	Final Hydro-static

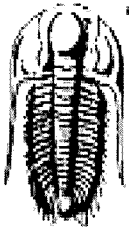
## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCWM 3o 47w 50m	0.30
80.00	OCM 20o 80m	0.58
10.00	GO 10g 90o	0.14

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
New ton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove, KS**

**Wallace-Rebarchek #1**

Job Ticket: 61721

DST#: 3

Test Start: 2015.10.17 @ 09:58:00

### GENERAL INFORMATION:

Formation: **LKC 'B'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:25:10

Time Test Ended: 14:43:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **3931.00 ft (KB) To 3967.00 ft (KB) (TVD)**

Total Depth: 3967.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6751**

**Outside**

Press@RunDepth: psig @ 3932.00 ft (KB)

Start Date: 2015.10.17

End Date:

2015.10.17

Capacity:

8000.00 psig

Start Time: 09:58:02

End Time:

14:43:10

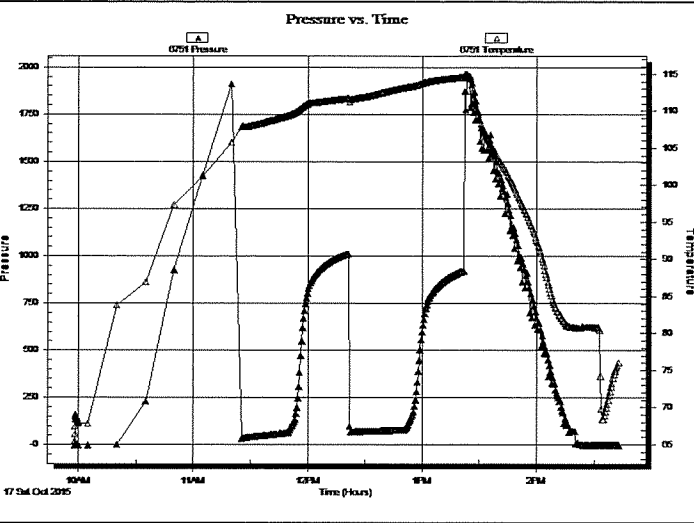
Last Calib.:

2015.10.17

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- 9" Blow.  
30- No return.  
30- 8" Blow.  
30- 1/2" Return.

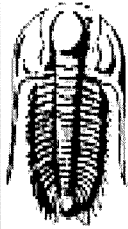


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	OCWM 3o 47w 50m	0.30
80.00	OCM 20o 80m	0.58
10.00	GO 10g 90o	0.14

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61721

**DST#: 3**

ATTN: Andrew Stenzel

Test Start: 2015.10.17 @ 09:58:00

### Tool Information

Drill Pipe:	Length: 3795.00 ft	Diameter: 3.80 inches	Volume: 53.23 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.50 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3931.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	36.00 ft			
Tool Length:	63.50 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			3904.50	
Shut In Tool	5.00			3909.50	
Hydraulic tool	5.00			3914.50	
Jars	5.00			3919.50	
Safety Joint	2.50			3922.00	
Packer	5.00			3927.00	27.50 Bottom Of Top Packer
Packer	4.00			3931.00	
Stubb	1.00			3932.00	
Perforations	0.00			3932.00	
Recorder	0.00	8357	Inside	3932.00	
Recorder	0.00	6751	Outside	3932.00	
Perforations	5.00			3937.00	
Change Over Sub	1.00			3938.00	
Drill Pipe	25.00			3963.00	
Change Over Sub	1.00			3964.00	
Bullnose	3.00			3967.00	36.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>63.50</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61721

**DST#: 3**

ATTN: Andrew Stenzel

Test Start: 2015.10.17 @ 09:58:00

## 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: 37000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.17 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCWM 3o 47w 50m	0.295
80.00	OCM 20o 80m	0.576
10.00	GO 10g 90o	0.140

Total Length: 150.00 ft      Total Volume: 1.011 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW: .220 @ 64 Degrees F    API: 38 @ 80 Degrees F = 36



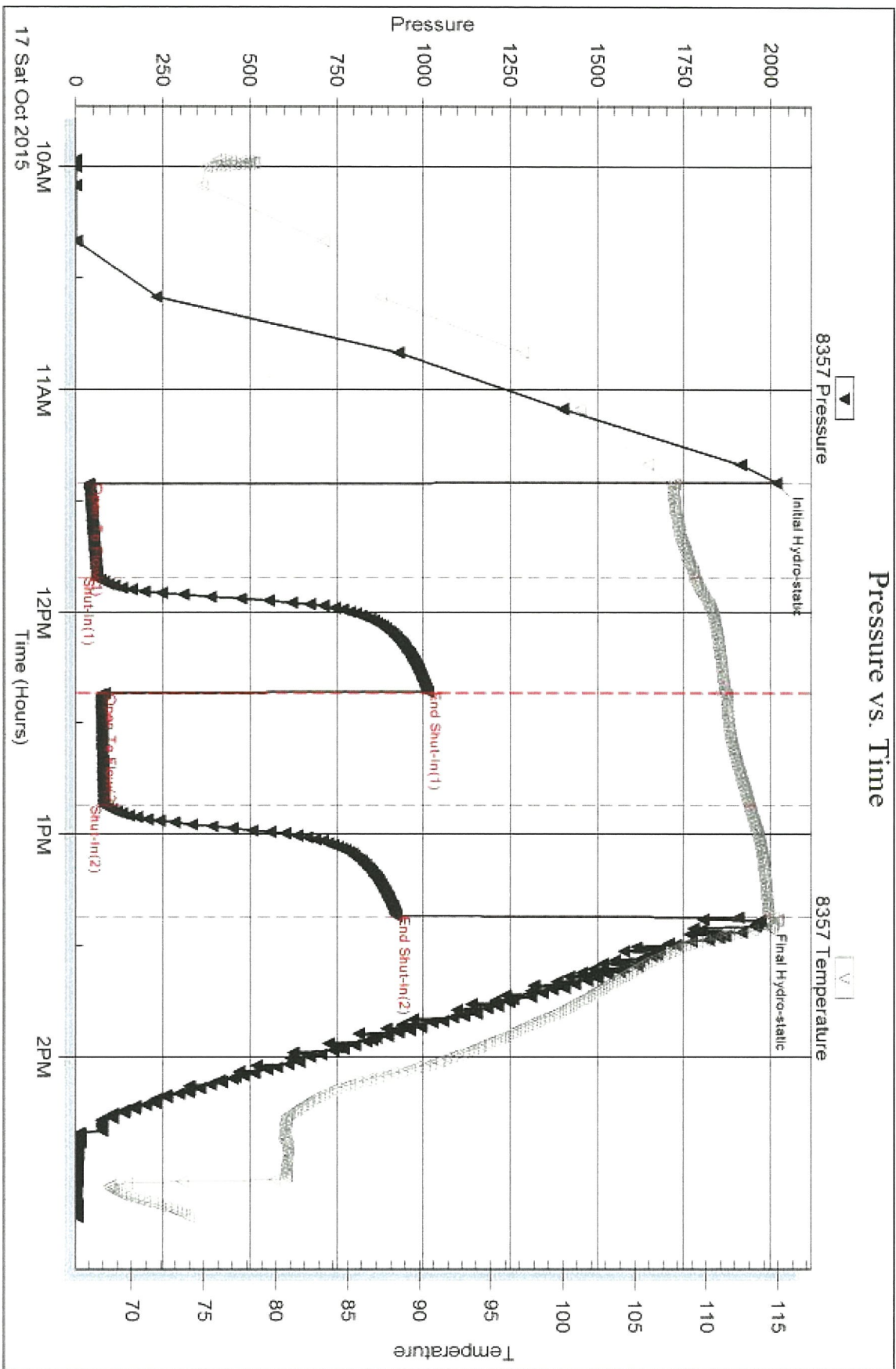
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 61721

Printed: 2015-10-23 @ 09:43:25

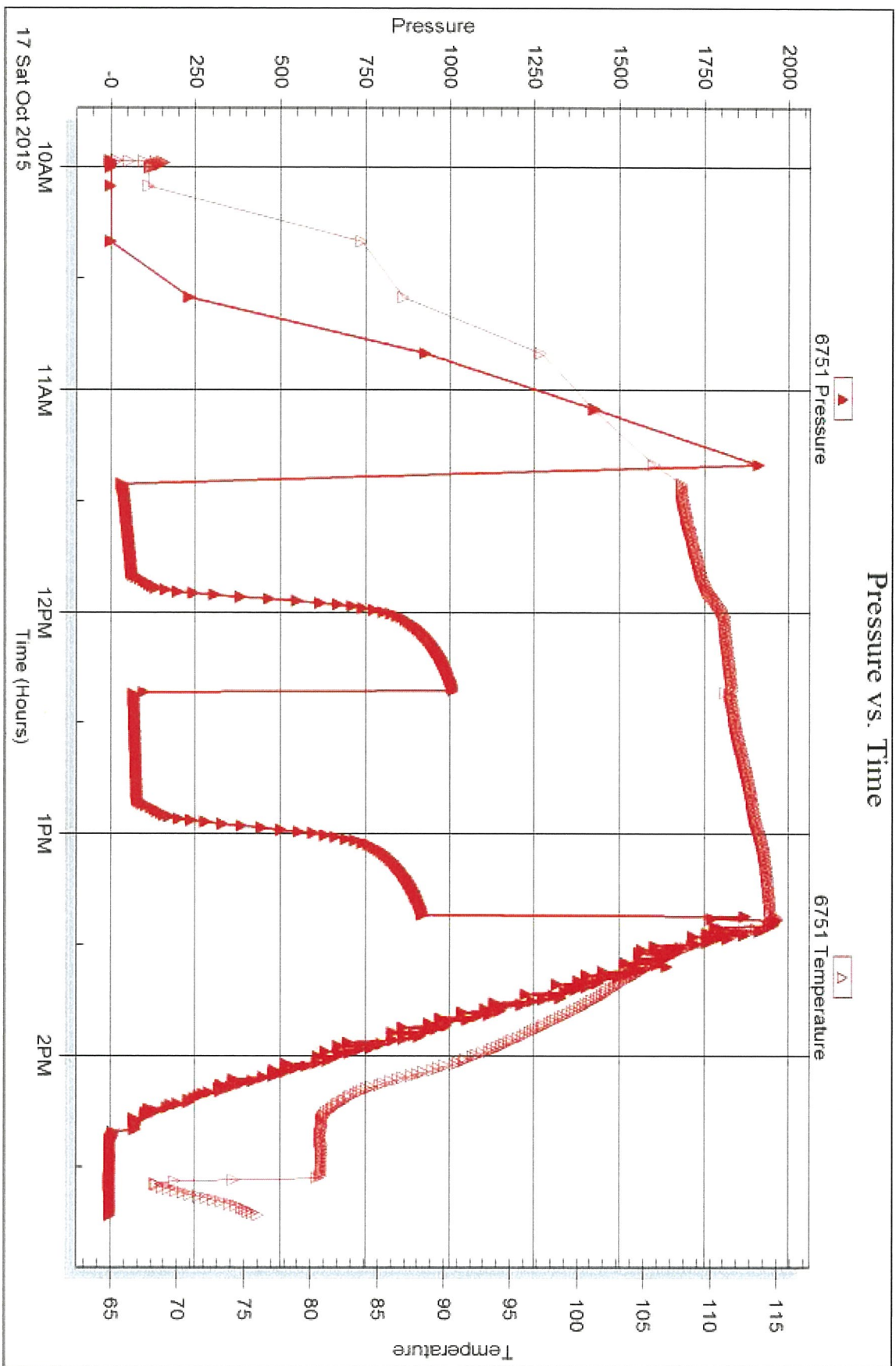
Serial #: 6751

Outside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

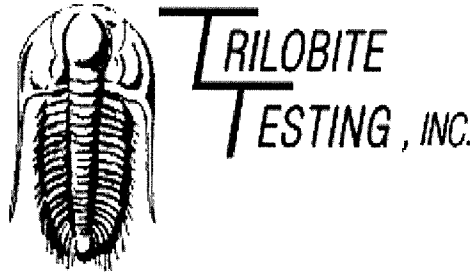
DST Test Number: 3



Tricobite Testing, Inc

Ref. No: 61721

Printed 2015 10 23 @ 09 43 25



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

Start Date: 2015.10.17 @ 22:35:00

End Date: 2015.10.18 @ 03:55:00

Job Ticket #: 61722                      DST #: 4

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.23 @ 09:42:56

Palomino Petroleum, Inc.

S19-14s-30w Gove,KS

Wallace-Rebarchek #1

DST # 4

LKC 'D-E'

2015.10.17



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove, KS**

**Wallace-Rebarchek #1**

Job Ticket: 61722

**DST#: 4**

Test Start: 2015.10.17 @ 22:35:00

## GENERAL INFORMATION:

Formation: **LKC 'D-E'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:13:00

Time Test Ended: 03:55:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **3960.00 ft (KB) To 4005.00 ft (KB) (TVD)**

Reference Elevations: 2832.00 ft (KB)

Total Depth: 4005.00 ft (KB) (TVD)

2827.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8357**

Inside

Press@RunDepth: 59.38 psig @ 3964.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.17

End Date: 2015.10.18

Last Calib.: 2015.10.18

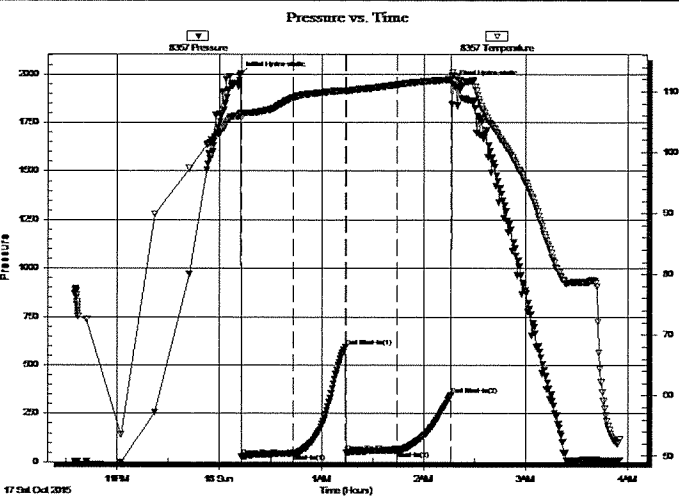
Start Time: 22:35:02

End Time: 03:55:00

Time On Btm: 2015.10.18 @ 00:11:30

Time Off Btm: 2015.10.18 @ 02:17:00

TEST COMMENT: 30- 3" Blow .  
30- No return.  
30- 3" Blow .  
30- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.06	106.12	Initial Hydro-static
2	26.46	105.84	Open To Flow (1)
32	45.51	109.00	Shut-In(1)
63	595.12	110.21	End Shut-In(1)
63	47.12	110.11	Open To Flow (2)
93	59.38	111.15	Shut-In(2)
125	344.79	112.00	End Shut-In(2)
126	1947.74	113.20	Final Hydro-static

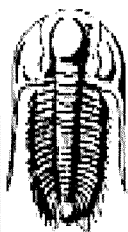
## Recovery

Length (ft)	Description	Volume (bbl)
100.00	OCM 15o 85m	0.49

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove,KS**

**Wallace-Rebarchek #1**

Job Ticket: 61722

**DST#: 4**

Test Start: 2015.10.17 @ 22:35:00

### GENERAL INFORMATION:

Formation: **LKC 'D-E'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:13:00

Time Test Ended: 03:55:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **3960.00 ft (KB) To 4005.00 ft (KB) (TVD)**

Reference Elevations: 2832.00 ft (KB)

Total Depth: 4005.00 ft (KB) (TVD)

2827.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 6751**

**Outside**

Press@RunDepth: psig @ 3964.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.17

End Date:

2015.10.18

Last Calib.: 2015.10.18

Start Time: 22:34:52

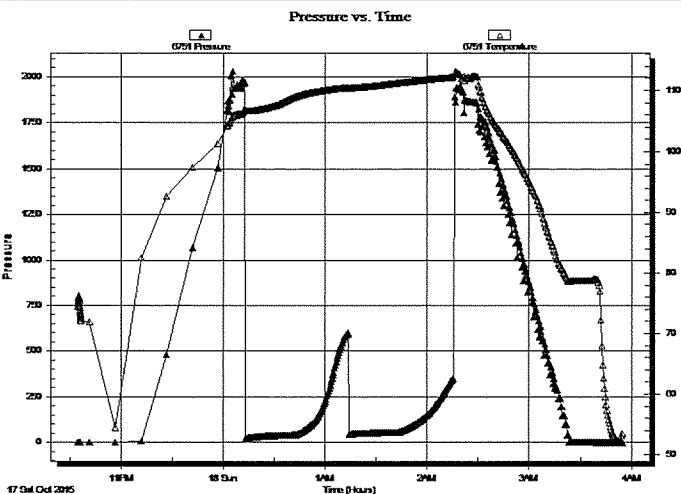
End Time:

03:54:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- 3" Blow .  
30- No return.  
30- 3" Blow .  
30- No return.



### PRESSURE SUMMARY

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

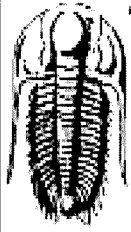
### Recovery

Length (ft)	Description	Volume (bbl)
100.00	OCM 15o 85m	0.49

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61722

**DST#: 4**

ATTN: Andrew Stenzel

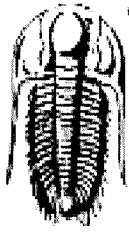
Test Start: 2015.10.17 @ 22:35:00

### Tool Information

Drill Pipe:	Length: 3825.00 ft	Diameter: 3.80 inches	Volume: 53.65 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.50 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3960.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	45.00 ft			
Tool Length:	72.50 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			3933.50	
Shut In Tool	5.00			3938.50	
Hydraulic tool	5.00			3943.50	
Jars	5.00			3948.50	
Safety Joint	2.50			3951.00	
Packer	5.00			3956.00	27.50 Bottom Of Top Packer
Packer	4.00			3960.00	
Stubb	1.00			3961.00	
Perforations	3.00			3964.00	
Recorder	0.00	8357	Inside	3964.00	
Recorder	0.00	6751	Outside	3964.00	
Perforations	5.00			3969.00	
Change Over Sub	1.00			3970.00	
Drill Pipe	31.00			4001.00	
Change Over Sub	1.00			4002.00	
Bullnose	3.00			4005.00	45.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>72.50</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove, KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61722

**DST#: 4**

ATTN: Andrew Stenzel

Test Start: 2015.10.17 @ 22:35:00

## 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	OCM 15o 85m	0.492

Total Length: 100.00 ft      Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

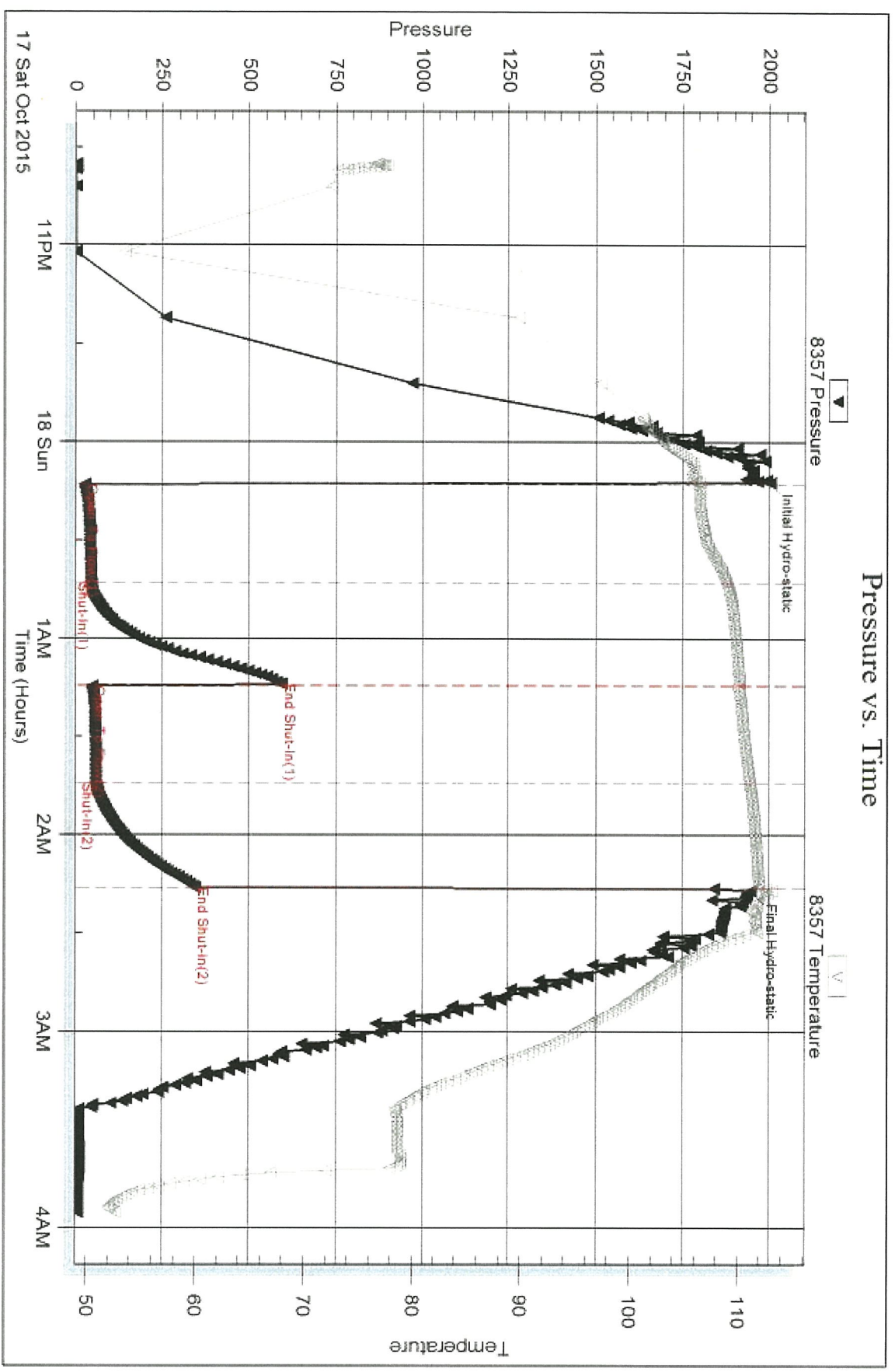
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 61722

Printed 2015 10 23 @ 09:42:58

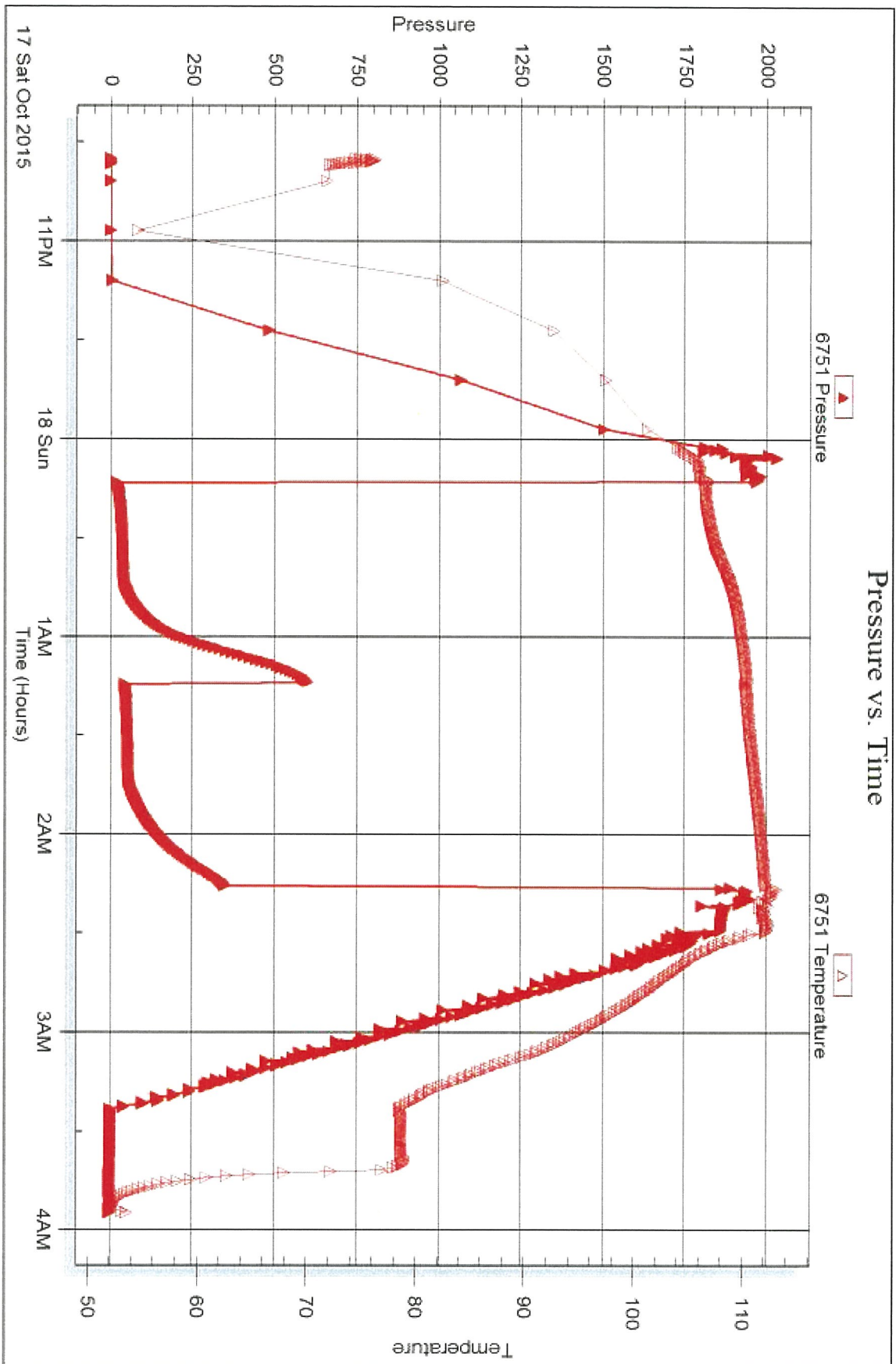


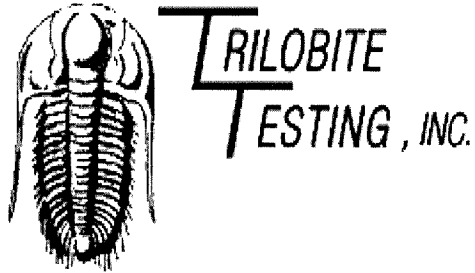
Serial #: 6751

Outside Palomino Petroleum, Inc.

Wallace-Rebarchek #1

DST Test Number: 4





## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

Start Date: 2015.10.18 @ 10:48:00

End Date: 2015.10.18 @ 16:08:50

Job Ticket #: 61723                      DST #: 5

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.23 @ 09:42:32

Palomino Petroleum, Inc.

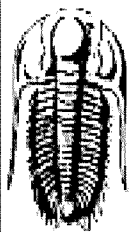
S19-14s-30w Gove,KS

Wallace-Rebarchek #1

DST # 5

LKC 'F,G'

2015.10.18



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove, KS**

**Wallace-Rebarchek #1**

Job Ticket: 61723

**DST#: 5**

Test Start: 2015.10.18 @ 10:48:00

## GENERAL INFORMATION:

Formation: **LKC 'F,G'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:19:40

Time Test Ended: 16:08:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4002.00 ft (KB) To 4030.00 ft (KB) (TVD)**

Total Depth: 4030.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 78.36 psig @ 4003.00 ft (KB)

Start Date: 2015.10.18

End Date:

2015.10.18

Start Time: 10:48:02

End Time:

16:08:49

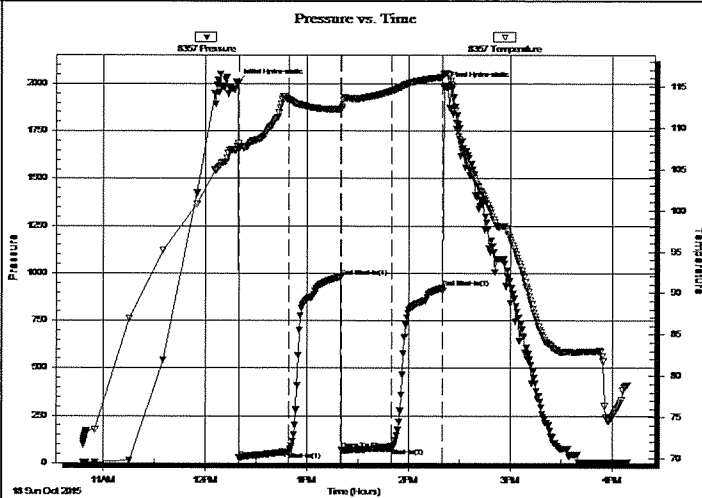
Capacity: 8000.00 psig

Last Calib.: 2015.10.18

Time On Btm: 2015.10.18 @ 12:18:40

Time Off Btm: 2015.10.18 @ 14:21:00

TEST COMMENT: 30- 9" Blow .  
30- No return.  
30- 7" Blow .  
30- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.60	107.71	Initial Hydro-static
1	26.40	107.42	Open To Flow (1)
31	60.08	113.40	Shut-In(1)
62	981.18	112.24	End Shut-In(1)
62	70.45	112.32	Open To Flow (2)
92	78.36	114.45	Shut-In(2)
122	922.41	116.11	End Shut-In(2)
123	1990.38	116.54	Final Hydro-static

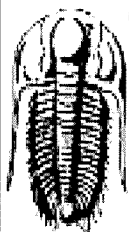
## Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM 5o 95m	0.59
20.00	CGO 5g 95o	0.28

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

### DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
New ton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove,KS**

**Wallace-Rebarchek #1**

Job Ticket: 61723

**DST#: 5**

Test Start: 2015.10.18 @ 10:48:00

**GENERAL INFORMATION:**

Formation: **LKC 'F,G'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:19:40

Time Test Ended: 16:08:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

**Interval: 4002.00 ft (KB) To 4030.00 ft (KB) (TVD)**

Total Depth: 4030.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6751 Outside**

Press@RunDepth: psig @ 4003.00 ft (KB)

Start Date: 2015.10.18

End Date:

2015.10.18

Capacity: 8000.00 psig

Last Calib.:

2015.10.18

Start Time: 10:48:02

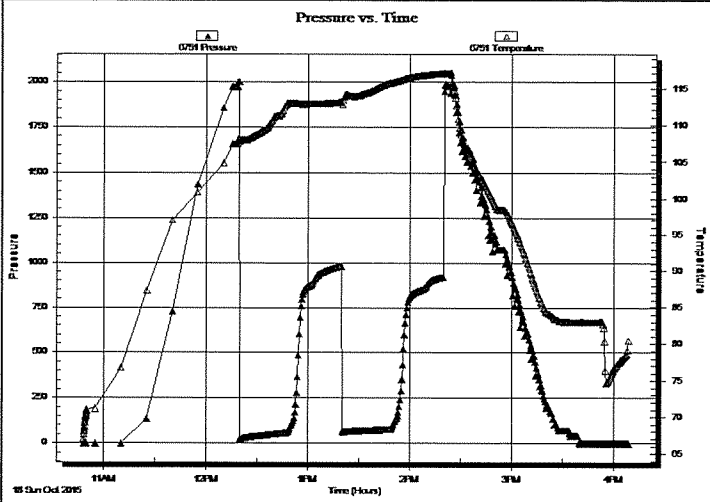
End Time:

16:08:49

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30- 9" Blow .  
30- No return.  
30- 7" Blow .  
30- No return.



**PRESSURE SUMMARY**

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

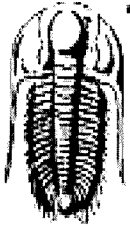
**Recovery**

Length (ft)	Description	Volume (bbl)
120.00	OCM 5o 95m	0.59
20.00	CGO 5g 95o	0.28

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61723

**DST#: 5**

ATTN: Andrew Stenzel

Test Start: 2015.10.18 @ 10:48:00

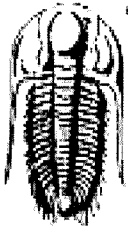
### Tool Information

Drill Pipe:	Length: 3887.00 ft	Diameter: 3.80 inches	Volume: 54.52 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<b>Total Volume: 55.11 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.50 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4002.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	55.50 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			3975.50	
Shut In Tool	5.00			3980.50	
Hydraulic tool	5.00			3985.50	
Jars	5.00			3990.50	
Safety Joint	2.50			3993.00	
Packer	5.00			3998.00	27.50 Bottom Of Top Packer
Packer	4.00			4002.00	
Stubb	1.00			4003.00	
Perforations	0.00			4003.00	
Recorder	0.00	8357	Inside	4003.00	
Recorder	0.00	6751	Outside	4003.00	
Perforations	24.00			4027.00	
Bullnose	3.00			4030.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 55.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61723

**DST#: 5**

ATTN: Andrew Stenzel

Test Start: 2015.10.18 @ 10:48:00

## 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: ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.16 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4400.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCM 5o 95m	0.590
20.00	CGO 5g 95o	0.281

Total Length: 140.00 ft      Total Volume: 0.871 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 38 @ 80 Degrees F = 36.

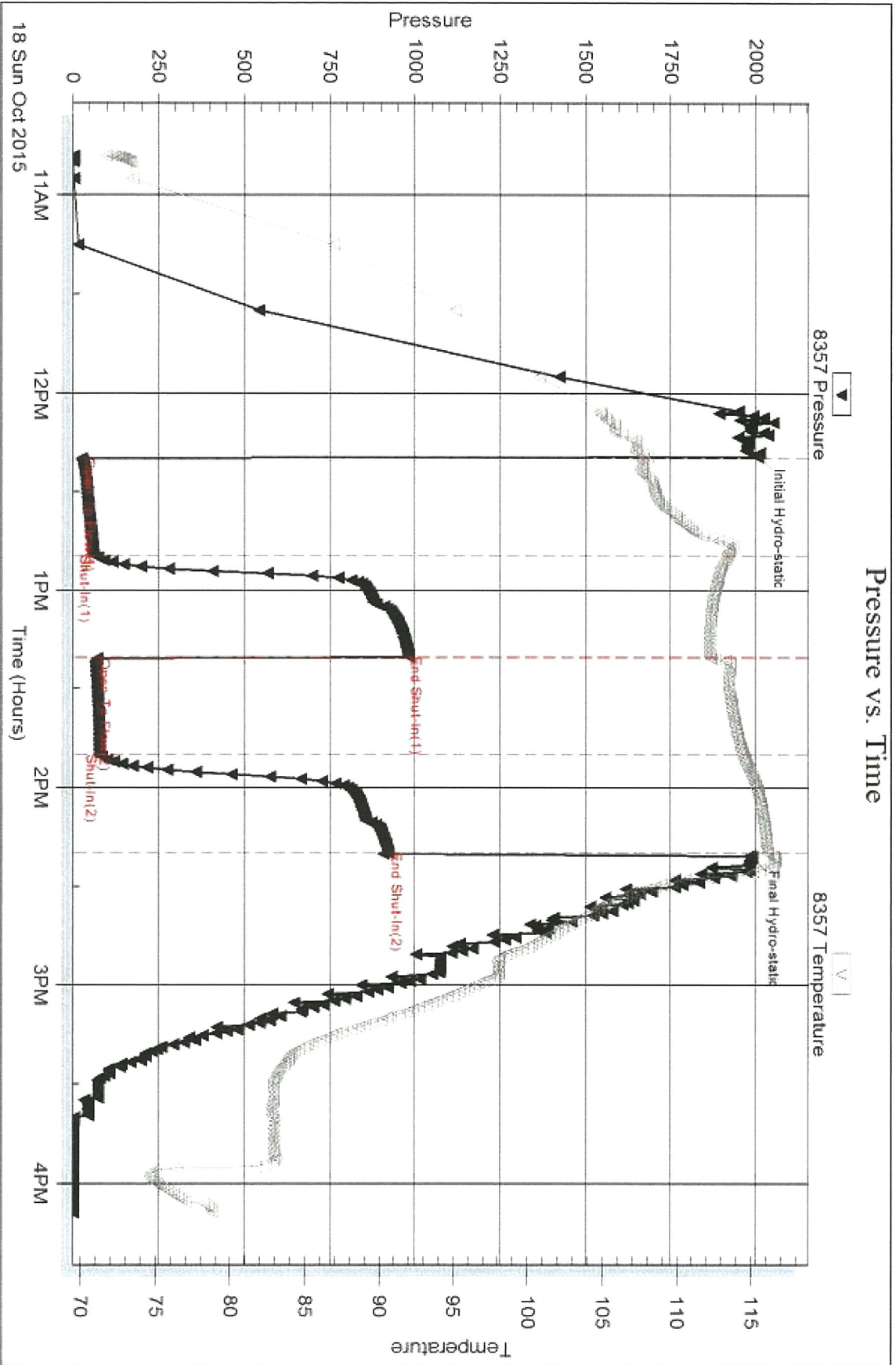
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Wallace-Rebarck #1

DST Test Number: 5



Tribble Testing, Inc

Ref. No: 61723

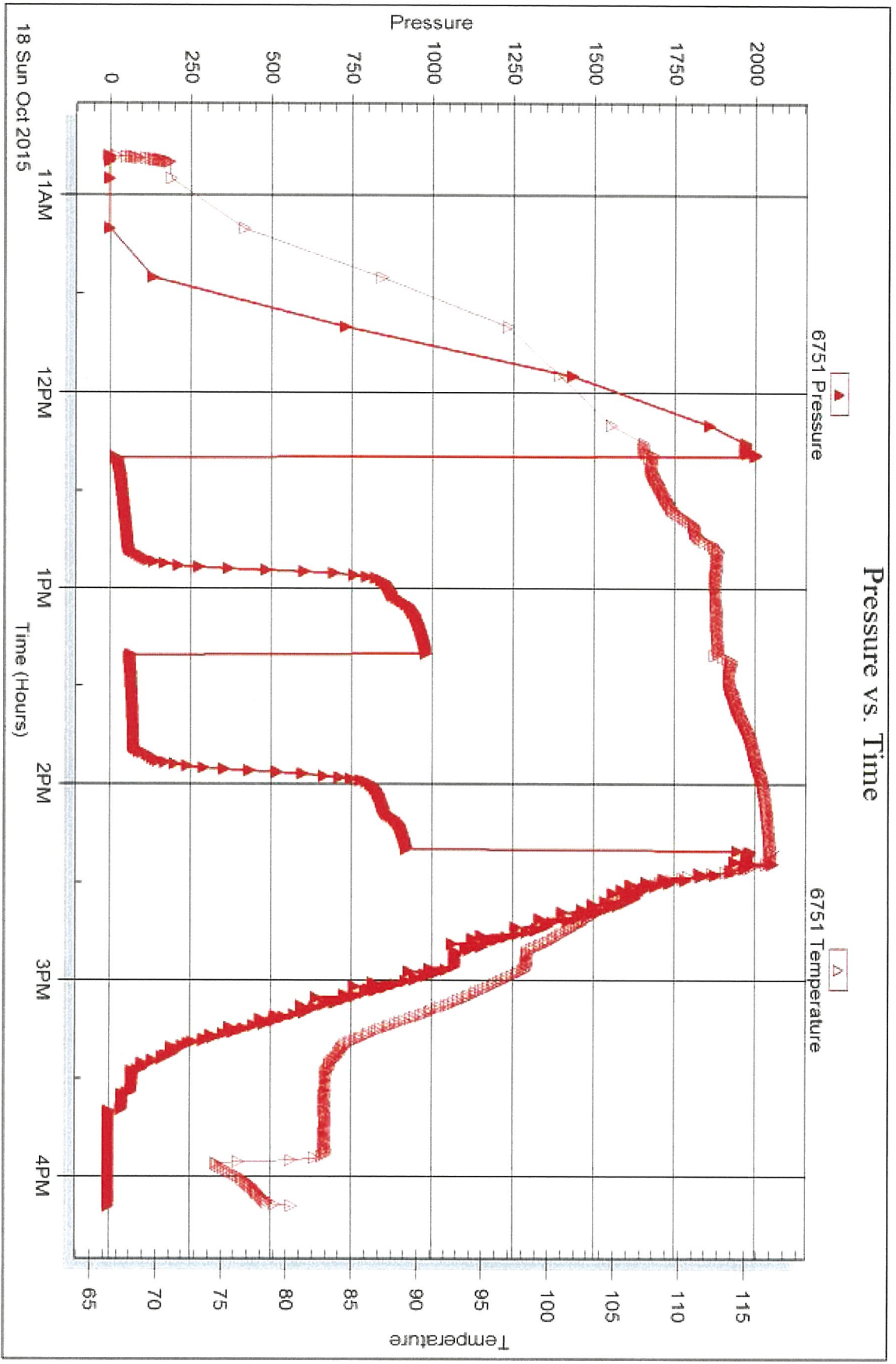
Printed 2015 10 23 @ 09:42:33

Serial #: 6751

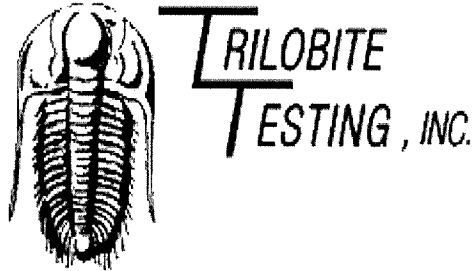
Outside Palomino Petroleum, Inc.

Wallace-Rebarchek #1

DST Test Number: 5







## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

Start Date: 2015.10.19 @ 04:55:00

End Date: 2015.10.19 @ 09:50:30

Job Ticket #: 61724                      DST #: 6

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2015.10.23 @ 09:42:06

Palomino Petroleum, Inc.

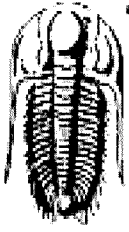
S19-14s-30w Gove,KS

Wallace-Rebarchek #1

DST # 6

LKC 'H.I'

2015.10.19



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove,KS**

**Wallace-Rebarchek #1**

Job Ticket: 61724

**DST#: 6**

Test Start: 2015.10.19 @ 04:55:00

## GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:22:10

Time Test Ended: 09:50:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4071.00 ft (KB) To 4138.00 ft (KB) (TVD)**

Total Depth: 4138.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 80.51 psig @ 4072.00 ft (KB)

Start Date: 2015.10.19

End Date:

2015.10.19

Start Time: 04:55:02

End Time:

09:50:30

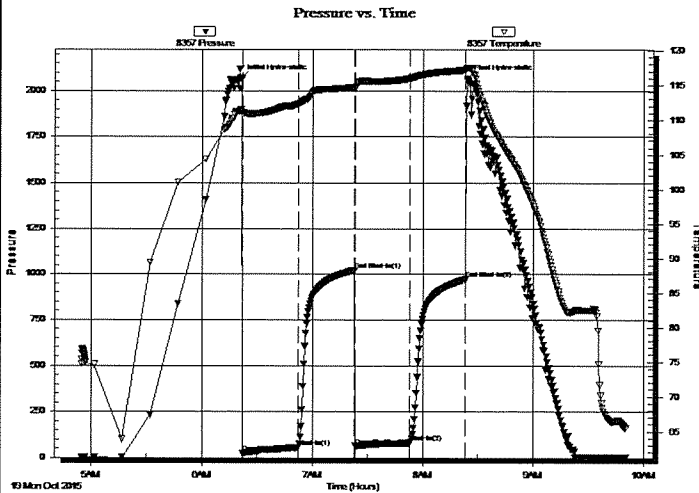
Capacity: 8000.00 psig

Last Calib.: 2015.10.19

Time On Btm: 2015.10.19 @ 06:20:50

Time Off Btm: 2015.10.19 @ 08:23:50

TEST COMMENT: 30- 3" Blow .  
30- No return.  
30- 2" Blow .  
30- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2068.30	111.34	Initial Hydro-static
2	24.38	110.80	Open To Flow (1)
32	57.57	112.30	Shut-In(1)
62	1023.12	114.70	End Shut-In(1)
63	64.75	114.52	Open To Flow (2)
92	80.51	115.99	Shut-In(2)
123	972.84	117.18	End Shut-In(2)
123	2064.93	117.52	Final Hydro-static

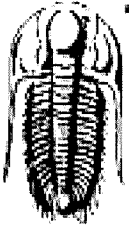
## Recovery

Length (ft)	Description	Volume (bbl)
135.00	40m 60w	0.80

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Palomino Petroleum, Inc.  
 4924 SE 84th St.  
 Newton, KS 67114  
 ATTN: Andrew Stenzel

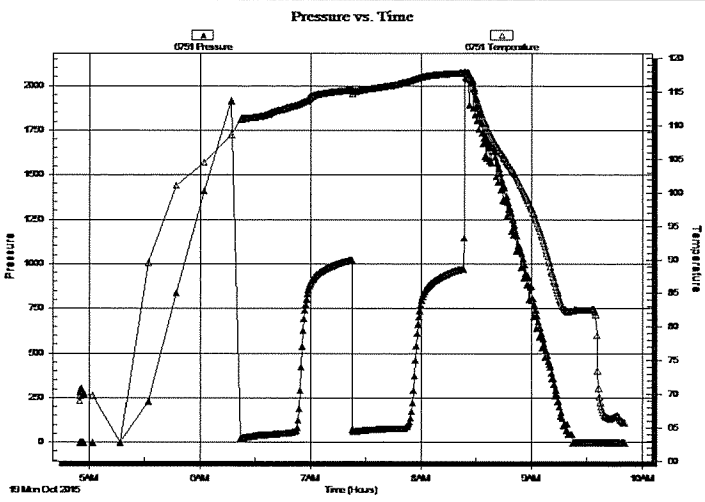
**S19-14s-30w Gove,KS**  
**Wallace-Rebarchek #1**  
 Job Ticket: 61724      DST#: 6  
 Test Start: 2015.10.19 @ 04:55:00

**GENERAL INFORMATION:**

Formation: **LKC 'H-I'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:22:10  
 Time Test Ended: 09:50:30  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Smith  
 Unit No: 61  
 Interval: **4071.00 ft (KB) To 4138.00 ft (KB) (TVD)**  
 Reference Elevations: 2832.00 ft (KB)  
 Total Depth: 4138.00 ft (KB) (TVD)      2827.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 6751**      **Outside**  
 Press@RunDepth: psig @ 4072.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.10.19      End Date: 2015.10.19      Last Calib.: 2015.10.19  
 Start Time: 04:55:02      End Time: 09:50:30      Time On Btm:  
    Time Off Btm:

TEST COMMENT: 30- 3" Blow .  
 30- No return.  
 30- 2" Blow .  
 30- No return.



**PRESSURE SUMMARY**

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

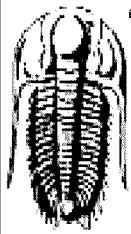
**Recovery**

Length (ft)	Description	Volume (bbl)
135.00	40m 60w	0.80

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61724

**DST#: 6**

ATTN: Andrew Stenzel

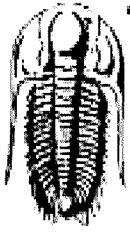
Test Start: 2015.10.19 @ 04:55:00

### Tool Information

Drill Pipe:	Length: 3951.00 ft	Diameter: 3.80 inches	Volume: 55.42 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<b>Total Volume: 56.01 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.50 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4071.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	67.00 ft			
Tool Length:	94.50 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			4044.50	
Shut In Tool	5.00			4049.50	
Hydraulic tool	5.00			4054.50	
Jars	5.00			4059.50	
Safety Joint	2.50			4062.00	
Packer	5.00			4067.00	27.50 Bottom Of Top Packer
Packer	4.00			4071.00	
Stubb	1.00			4072.00	
Perforations	0.00			4072.00	
Recorder	0.00	8357	Inside	4072.00	
Recorder	0.00	6751	Outside	4072.00	
Perforations	30.00			4102.00	
Change Over Sub	1.00			4103.00	
Drill Pipe	31.00			4134.00	
Change Over Sub	1.00			4135.00	
Bullnose	3.00			4138.00	67.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>94.50</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61724

**DST#: 6**

ATTN: Andrew Stenzel

Test Start: 2015.10.19 @ 04:55:00

### 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:	47000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	40m 60w	0.801

Total Length: 135.00 ft      Total Volume: 0.801 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: . 210 @ 57 Degrees F

Serial #: 8357

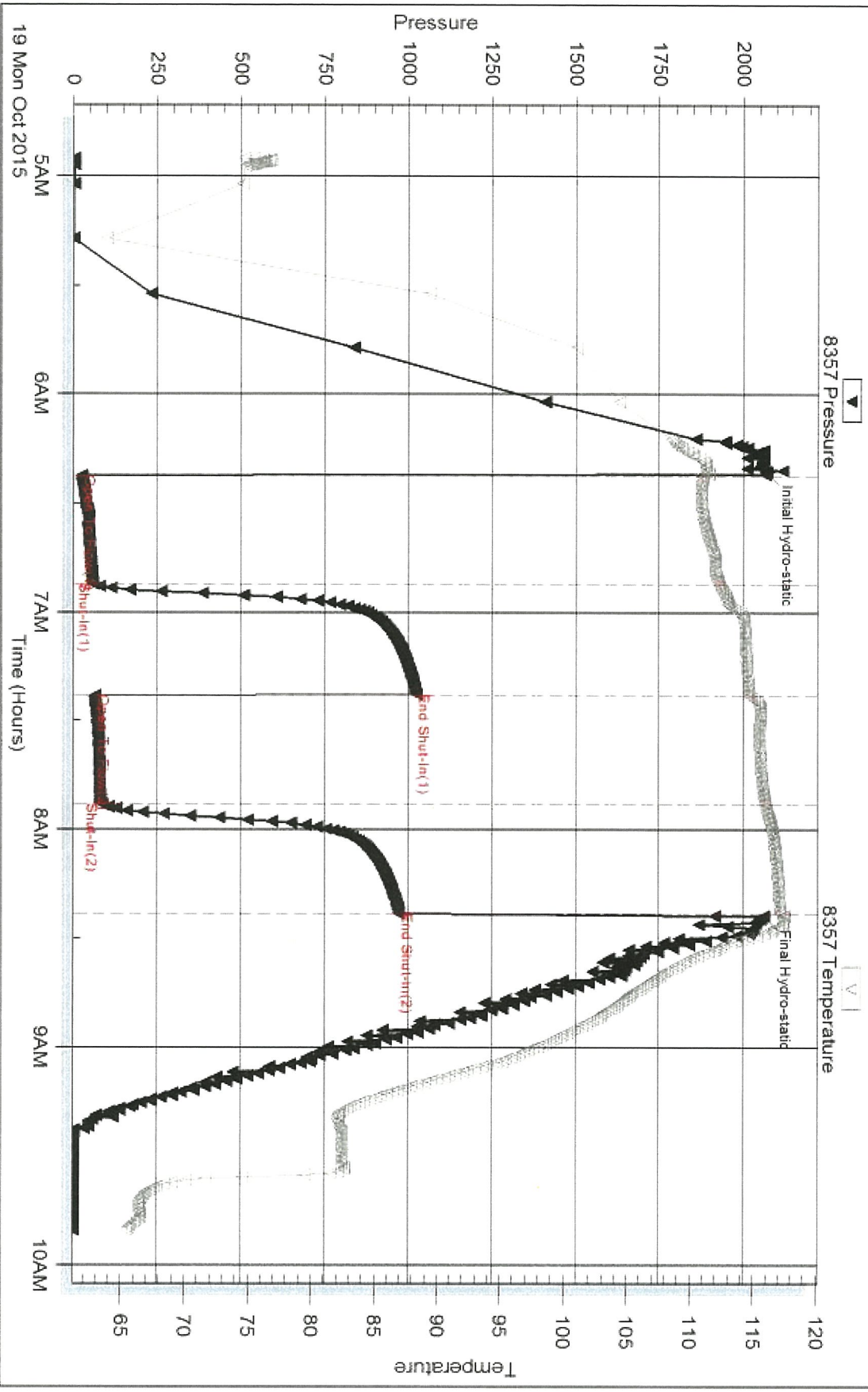
Inside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

DST Test Number: 6

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 61724

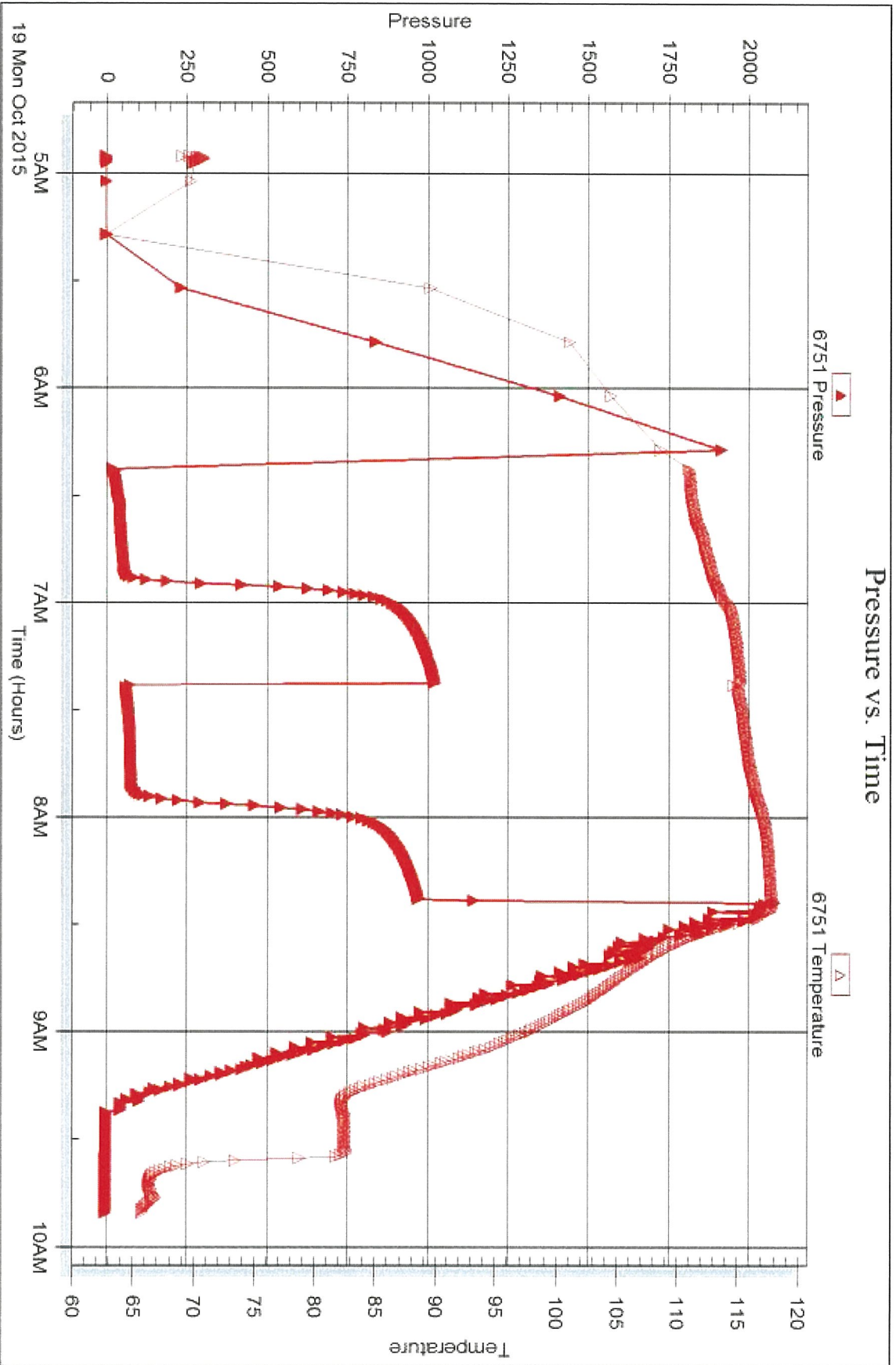
Printed 2015 10 23 @ 09:42:08

Serial #: 6751

Outside Palomino Petroleum, Inc.

Wallace-Rebarchek #1

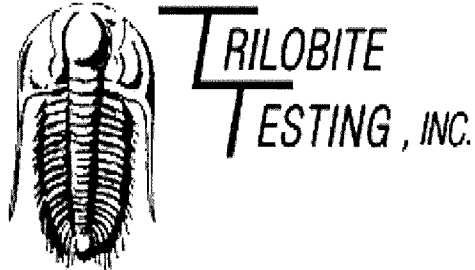
DST Test Number: 6



Tribble Testing, Inc

Ref. No: 61724

Printed 2015 10 23 @ 09:42:08



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

Start Date: 2015.10.19 @ 21:58:00

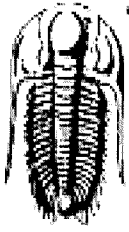
End Date: 2015.10.20 @ 03:41:20

Job Ticket #: 61725                      DST #: 7

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.23 @ 09:41:30





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove,KS**

**Wallace-Rebarchek #1**

Job Ticket: 61725

**DST#: 7**

Test Start: 2015.10.19 @ 21:58:00

## GENERAL INFORMATION:

Formation: **LKC 'J - L'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:05:50

Time Test Ended: 03:41:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4142.00 ft (KB) To 4236.00 ft (KB) (TVD)**

Total Depth: 4236.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

## Serial #: 8357

Inside

Press@RunDepth: 76.33 psig @ 4143.00 ft (KB)

Start Date: 2015.10.19

End Date:

2015.10.20

Start Time: 21:58:02

End Time:

03:41:19

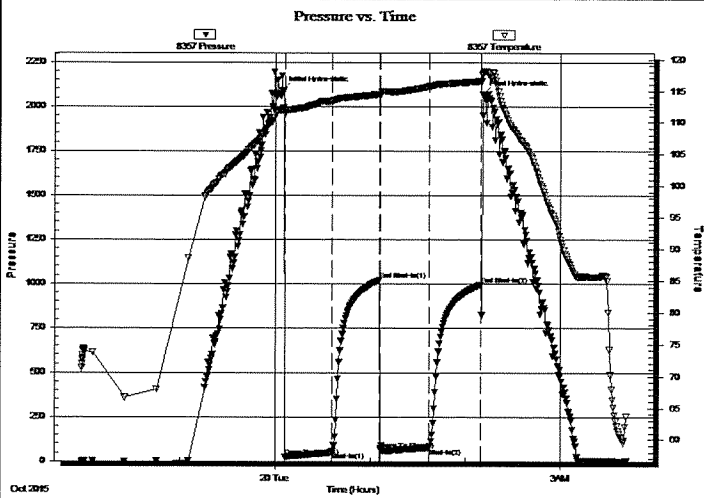
Capacity: 8000.00 psig

Last Calib.: 2015.10.20

Time On Btm: 2015.10.20 @ 00:04:20

Time Off Btm: 2015.10.20 @ 02:11:00

TEST COMMENT: 30- 3 1/2" Blow .  
30- No return.  
30- 1 1/2" Blow .  
30- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.97	112.12	Initial Hydro-static
2	23.29	111.36	Open To Flow (1)
32	51.30	113.42	Shut-In(1)
62	1020.08	114.48	End Shut-In(1)
62	66.80	114.17	Open To Flow (2)
93	76.33	115.75	Shut-In(2)
126	994.21	116.54	End Shut-In(2)
127	2067.28	117.82	Final Hydro-static

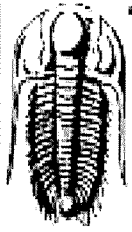
## Recovery

Length (ft)	Description	Volume (bbl)
125.00	OSWM 20w 80m	0.66

\* 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.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61725

**DST#: 7**

ATTN: Andrew Stenzel

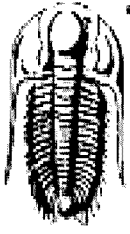
Test Start: 2015.10.19 @ 21:58:00

### Tool Information

Drill Pipe:	Length: 4012.00 ft	Diameter: 3.80 inches	Volume: 56.28 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4142.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	94.00 ft			
Tool Length:	121.50 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			4115.50	
Shut In Tool	5.00			4120.50	
Hydraulic tool	5.00			4125.50	
Jars	5.00			4130.50	
Safety Joint	2.50			4133.00	
Packer	5.00			4138.00	27.50 Bottom Of Top Packer
Packer	4.00			4142.00	
Stubb	1.00			4143.00	
Perforations	0.00			4143.00	
Recorder	0.00	8357	Inside	4143.00	
Recorder	0.00	6751	Outside	4143.00	
Perforations	25.00			4168.00	
Change Over Sub	1.00			4169.00	
Drill Pipe	63.00			4232.00	
Change Over Sub	1.00			4233.00	
Bullnose	3.00			4236.00	94.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>121.50</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 61725

**DST#: 7**

ATTN: Andrew Stenzel

Test Start: 2015.10.19 @ 21:58:00

## 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:	49000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	OSWM 20w 80m	0.660

Total Length: 125.00 ft      Total Volume: 0.660 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .170 @ 65 Degrees F

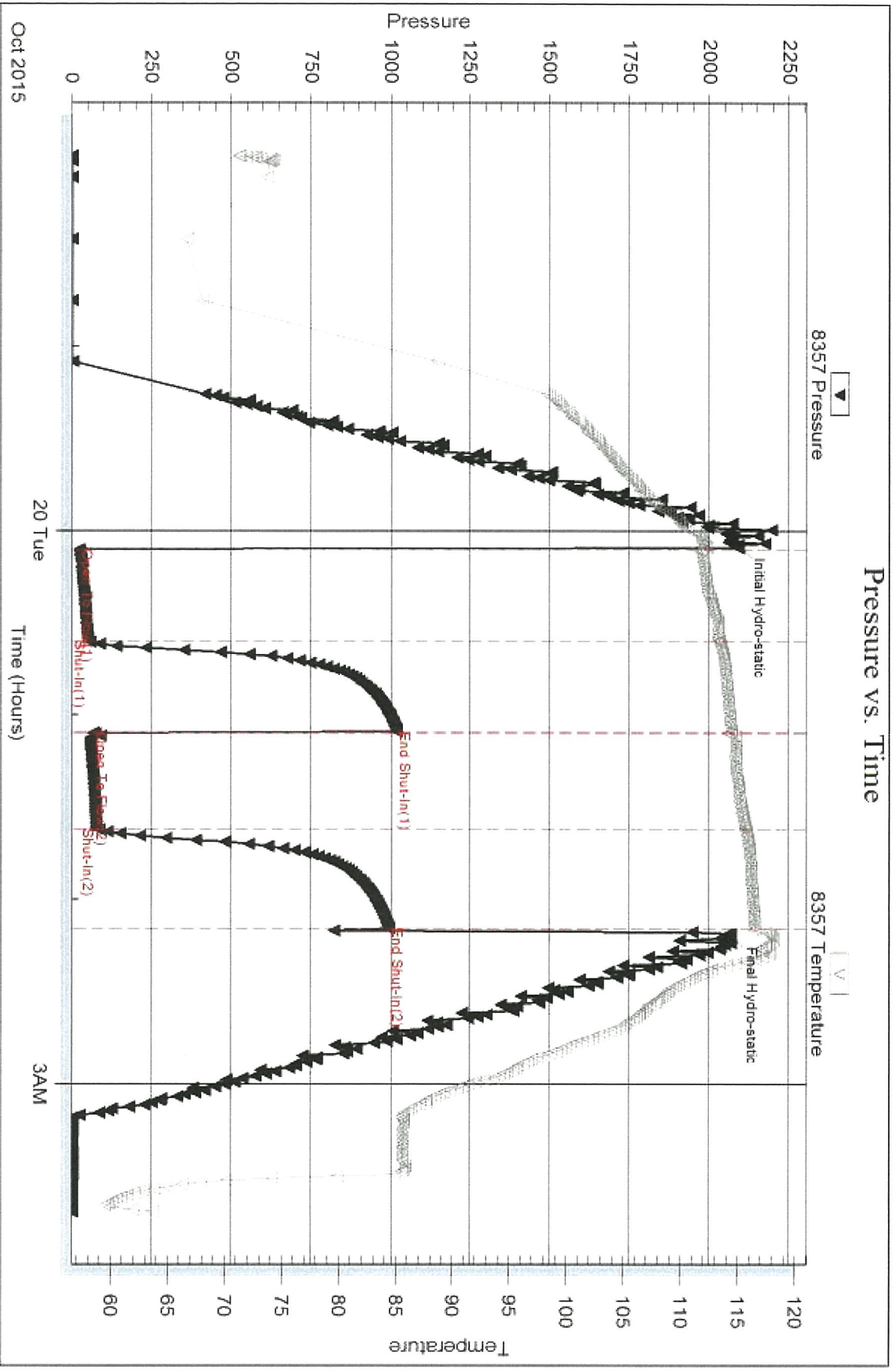
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Wallace-Rebarcheck #1

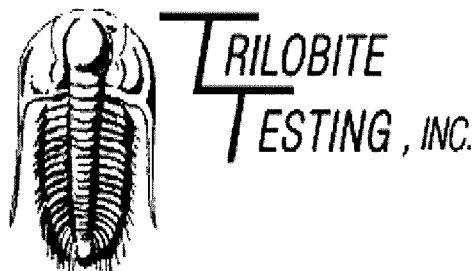
OST Test Number: 7



Triobite Testing, Inc

Ref. No: 61725

Printed 2015 10 23 @ 09:41:31



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

Start Date: 2015.10.20 @ 20:50:00

End Date: 2015.10.21 @ 02:32:39

Job Ticket #: 64601                      DST #: 8

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.23 @ 09:40:58

Palomino Petroleum, Inc.

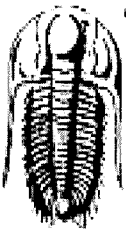
S19-14s-30w Gove,KS

Wallace-Rebarchek #1

DST # 8

Myrick Station

2015.10.20



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
New ton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove,KS**

**Wallace-Rebarchek #1**

Job Ticket: 64601

**DST#: 8**

Test Start: 2015.10.20 @ 20:50:00

## GENERAL INFORMATION:

Formation: **Myrick Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:56:40

Time Test Ended: 02:32:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4378.00 ft (KB) To 4414.00 ft (KB) (TVD)**

Total Depth: 4414.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8357** Inside

Press@RunDepth: 23.92 psig @ 4382.00 ft (KB)

Start Date: 2015.10.20

End Date:

2015.10.21

Start Time: 20:50:02

End Time:

02:32:40

Capacity: 8000.00 psig

Last Calib.: 2015.10.21

Time On Btm: 2015.10.20 @ 22:55:10

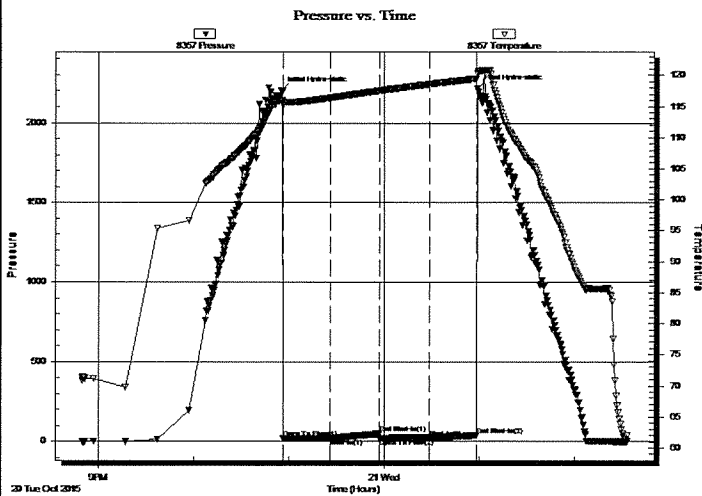
Time Off Btm: 2015.10.21 @ 00:58:40

TEST COMMENT: 30- 1/4" Blow died @ 25 min.

30- No return.

30- No blow .

30- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.85	115.95	Initial Hydro-static
2	22.67	115.24	Open To Flow (1)
32	23.53	116.39	Shut-In(1)
62	48.98	117.52	End Shut-In(1)
62	22.47	117.53	Open To Flow(2)
94	23.92	118.57	Shut-In(2)
123	37.80	119.45	End Shut-In(2)
124	2216.72	120.28	Final Hydro-static

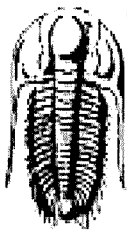
## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m With a spot of oil	0.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**S19-14s-30w Gove,KS**  
**Wallace-Rebarchek #1**  
Job Ticket: 64601                      **DST#: 8**  
Test Start: 2015.10.20 @ 20:50:00

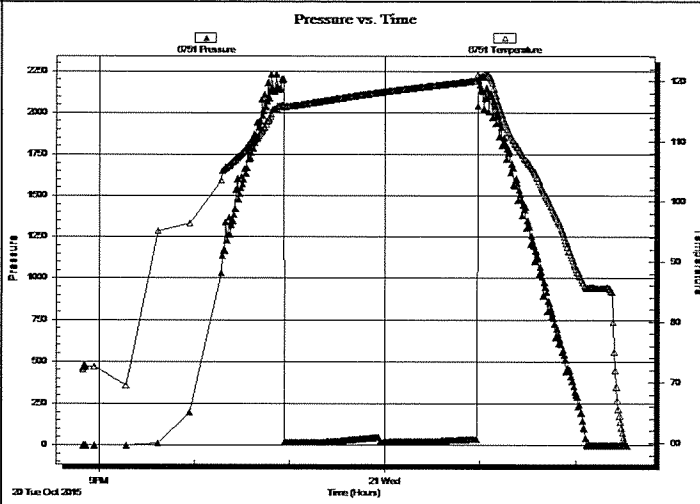
**GENERAL INFORMATION:**

Formation: **Myrick Station**  
Deviated: No Whipstock:                      ft (KB)                      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 22:56:40                      Tester: Chuck Smith  
Time Test Ended: 02:32:39                      Unit No: 61

Interval: **4378.00 ft (KB) To 4414.00 ft (KB) (TVD)**                      Reference Elevations: 2832.00 ft (KB)  
Total Depth: 4414.00 ft (KB) (TVD)                      2827.00 ft (CF)  
Hole Diameter: 7.88 inchesHole Condition: Good                      KB to GR/CF: 5.00 ft

**Serial #: 6751      Outside**  
Press@RunDepth:                      psig @ 4382.00 ft (KB)                      Capacity: 8000.00 psig  
Start Date: 2015.10.20                      End Date: 2015.10.21                      Last Calib.: 2015.10.21  
Start Time: 20:50:02                      End Time: 02:32:40                      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** 30- 1/4" Blow died @ 25 min.  
30- No return.  
30- No blow .  
30- No return.



**PRESSURE SUMMARY**

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

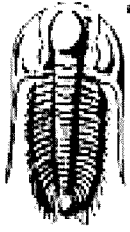
**Recovery**

Length (ft)	Description	Volume (bbt)
5.00	Mud 100m With a spot of oil	0.02

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 64601

**DST#: 8**

ATTN: Andrew Stenzel

Test Start: 2015.10.20 @ 20:50:00

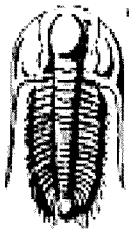
**Tool Information**

Drill Pipe:	Length: 4264.00 ft	Diameter: 3.80 inches	Volume: 59.81 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<b>Total Volume: 60.40 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4378.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	36.00 ft			
Tool Length:	63.50 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			4351.50	
Shut In Tool	5.00			4356.50	
Hydraulic tool	5.00			4361.50	
Jars	5.00			4366.50	
Safety Joint	2.50			4369.00	
Packer	5.00			4374.00	27.50 Bottom Of Top Packer
Packer	4.00			4378.00	
Stubb	1.00			4379.00	
Perforations	3.00			4382.00	
Recorder	0.00	8357	Inside	4382.00	
Recorder	0.00	6751	Outside	4382.00	
Perforations	29.00			4411.00	
Bullnose	3.00			4414.00	36.00 Bottom Packers & Anchor

**Total Tool Length: 63.50**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 64601

**DST#: 8**

ATTN: Andrew Stenzel

Test Start: 2015.10.20 @ 20:50:00

## 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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m With a spot of oil	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8357

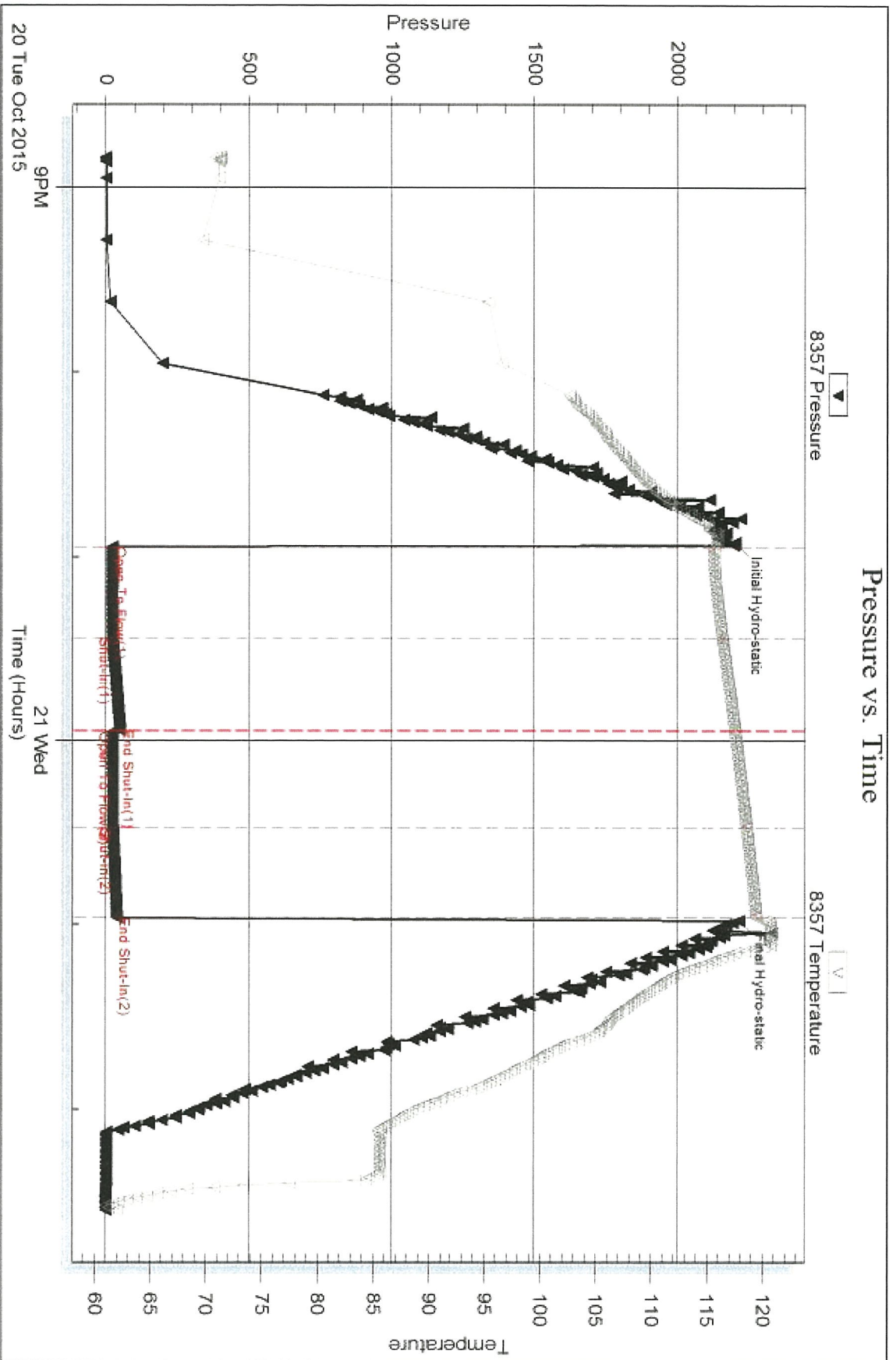
Inside

Palomino Petroleum, Inc.

Wallace-Rebarck #1

DST Test Number: 8

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 64601

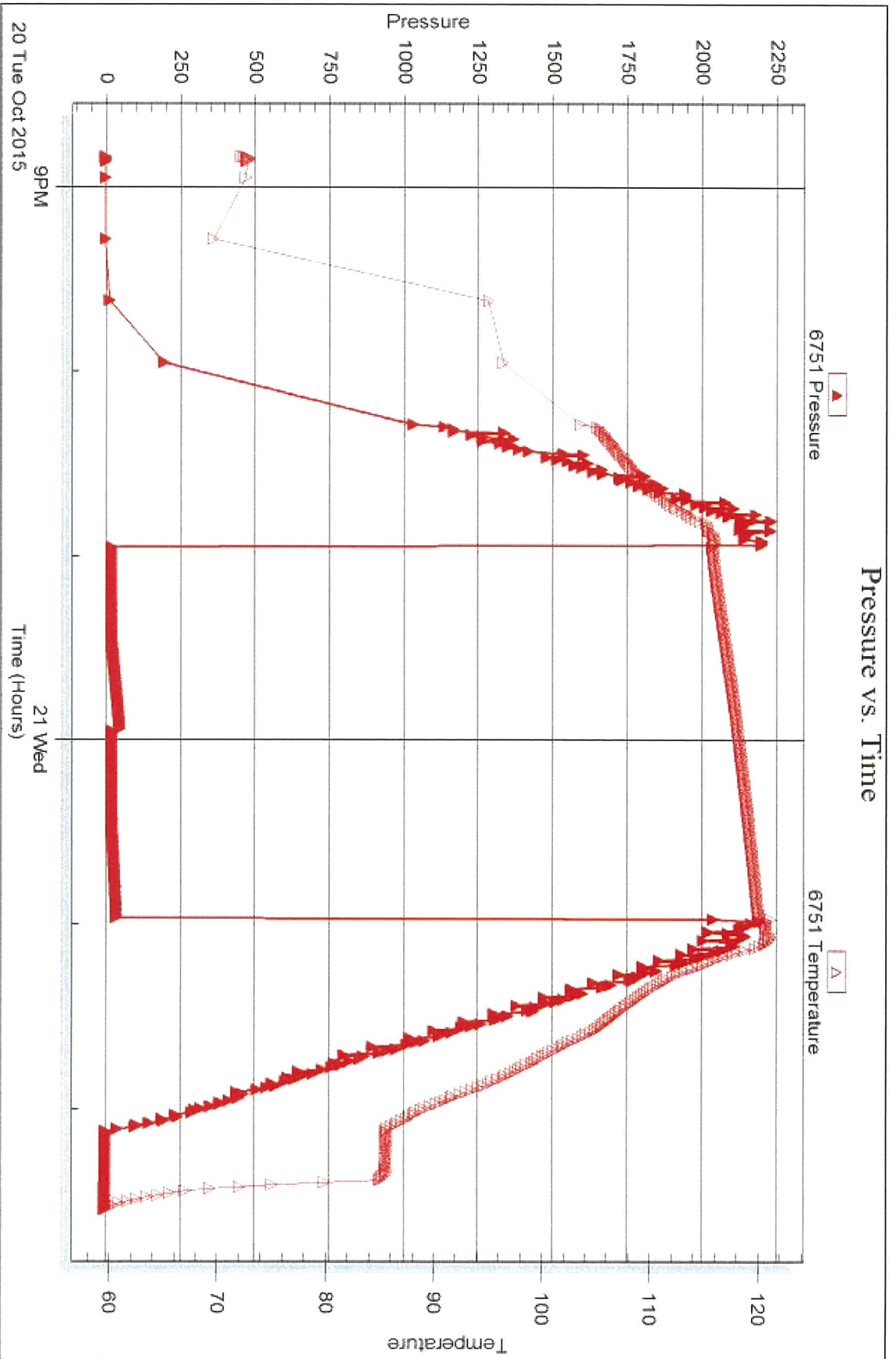
Printed 2015 10 23 @ 09:40:59

Serial #: 6751

Outside Palomino Petroleum, Inc.

Wallace-Rebarck #1

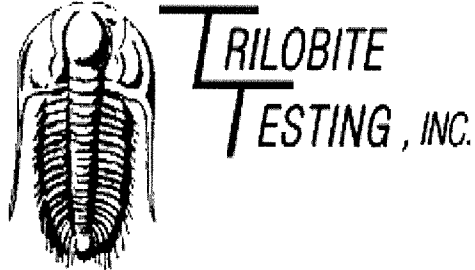
DST Test Number: 8



Tribble Testing, Inc

Ref. No: 64601

Printed 2015 10 23 @ 09:41:00



## DRILL STEM TEST REPORT

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

4924 SE 84th St.  
Newton, KS 67114

ATTN: Andrew Stenzel

### **Wallace-Rebarchek #1**

### **S19-14s-30w Gove,KS**

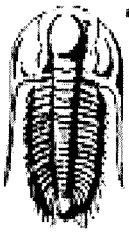
Start Date: 2015.10.21 @ 14:02:00

End Date: 2015.10.21 @ 21:07:30

Job Ticket #: 64602                      DST #: 9

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.10.23 @ 09:40:04



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

ATTN: Andrew Stenzel

Job Ticket: 64602

**DST#: 9**

Test Start: 2015.10.21 @ 14:02:00

## GENERAL INFORMATION:

Formation: **Ft. Scott - Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:50:10

Time Test Ended: 21:07:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4404.00 ft (KB) To 4505.00 ft (KB) (TVD)**

Total Depth: 4505.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8357** Inside

Press@RunDepth: 212.28 psig @ 4405.00 ft (KB)

Start Date: 2015.10.21

End Date:

2015.10.21

Start Time: 14:02:02

End Time:

21:07:30

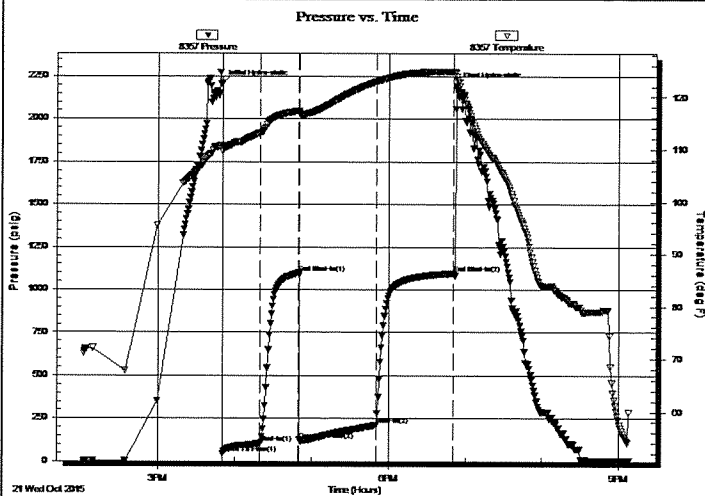
Capacity: 8000.00 psig

Last Calib.: 2015.10.21

Time On Btm: 2015.10.21 @ 15:49:00

Time Off Btm: 2015.10.21 @ 18:53:00

TEST COMMENT: 30- B.O.B. @ 6 min.  
30- B.O.B. @ 15 min.  
60- B.O.B. @ 7 1/2 min.  
60- B.O.B. @ 13 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.72	110.58	Initial Hydro-static
2	43.53	109.69	Open To Flow (1)
31	107.06	113.15	Shut-In(1)
61	1098.44	117.38	End Shut-In(1)
62	125.14	116.91	Open To Flow (2)
121	212.28	122.91	Shut-In(2)
182	1095.55	124.89	End Shut-In(2)
184	2193.09	123.86	Final Hydro-static

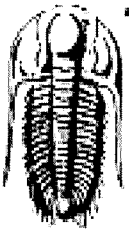
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2615 Feet GIP	0.00
150.00	GOCM 15g 2o 83m	1.01
442.00	GO 25g 75o	6.20

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.  
New ton, KS 67114

ATTN: Andrew Stenzel

**S19-14s-30w Gove,KS**

**Wallace-Rebarchek #1**

Job Ticket: 64602

DST#: 9

Test Start: 2015.10.21 @ 14:02:00

## GENERAL INFORMATION:

Formation: **Ft. Scott - Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:50:10

Time Test Ended: 21:07:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4404.00 ft (KB) To 4505.00 ft (KB) (TVD)**

Total Depth: 4505.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2832.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6751** Outside

Press@RunDepth: psig @ 4405.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.10.21

End Date:

2015.10.21

Last Calib.:

2015.10.21

Start Time: 14:02:02

End Time:

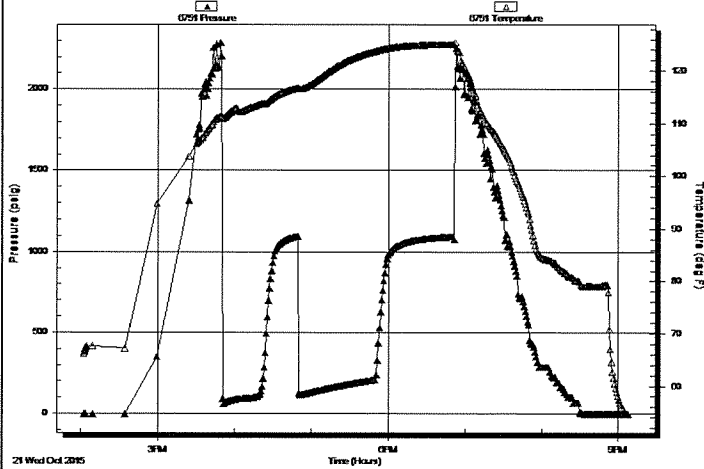
21:07:40

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- B.O.B. @ 6 min.  
30- B.O.B. @ 15 min.  
60- B.O.B. @ 7 1/2 min.  
60- B.O.B. @ 13 min.

Pressure vs. Time



## PRESSURE SUMMARY

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

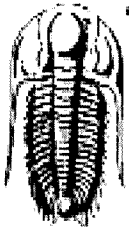
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2615 Feet GIP	0.00
150.00	GOCM 15g 2o 83m	1.01
442.00	GO 25g 75o	6.20

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
Newton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 64602

**DST#: 9**

ATTN: Andrew Stenzel

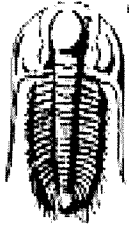
Test Start: 2015.10.21 @ 14:02:00

### Tool Information

Drill Pipe:	Length: 4265.00 ft	Diameter: 3.80 inches	Volume: 59.83 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 60.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4404.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	101.00 ft			
Tool Length:	128.50 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			4377.50	
Shut In Tool	5.00			4382.50	
Hydraulic tool	5.00			4387.50	
Jars	5.00			4392.50	
Safety Joint	2.50			4395.00	
Packer	5.00			4400.00	27.50 Bottom Of Top Packer
Packer	4.00			4404.00	
Stubb	1.00			4405.00	
Perforations	0.00			4405.00	
Recorder	0.00	8357	Inside	4405.00	
Recorder	0.00	6751	Outside	4405.00	
Perforations	2.00			4407.00	
Change Over Sub	1.00			4408.00	
Drill Pipe	93.00			4501.00	
Change Over Sub	1.00			4502.00	
Bullnose	3.00			4505.00	101.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>128.50</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**S19-14s-30w Gove,KS**

4924 SE 84th St.  
New ton, KS 67114

**Wallace-Rebarchek #1**

Job Ticket: 64602

**DST#: 9**

ATTN: Andrew Stenzel

Test Start: 2015.10.21 @ 14:02:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 28 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2615 Feet GIP	0.000
150.00	GOCM 15g 2o 83m	1.011
442.00	GO 25g 75o	6.200

Total Length: 592.00 ft      Total Volume: 7.211 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 28 @ 60 Degrees F =28.



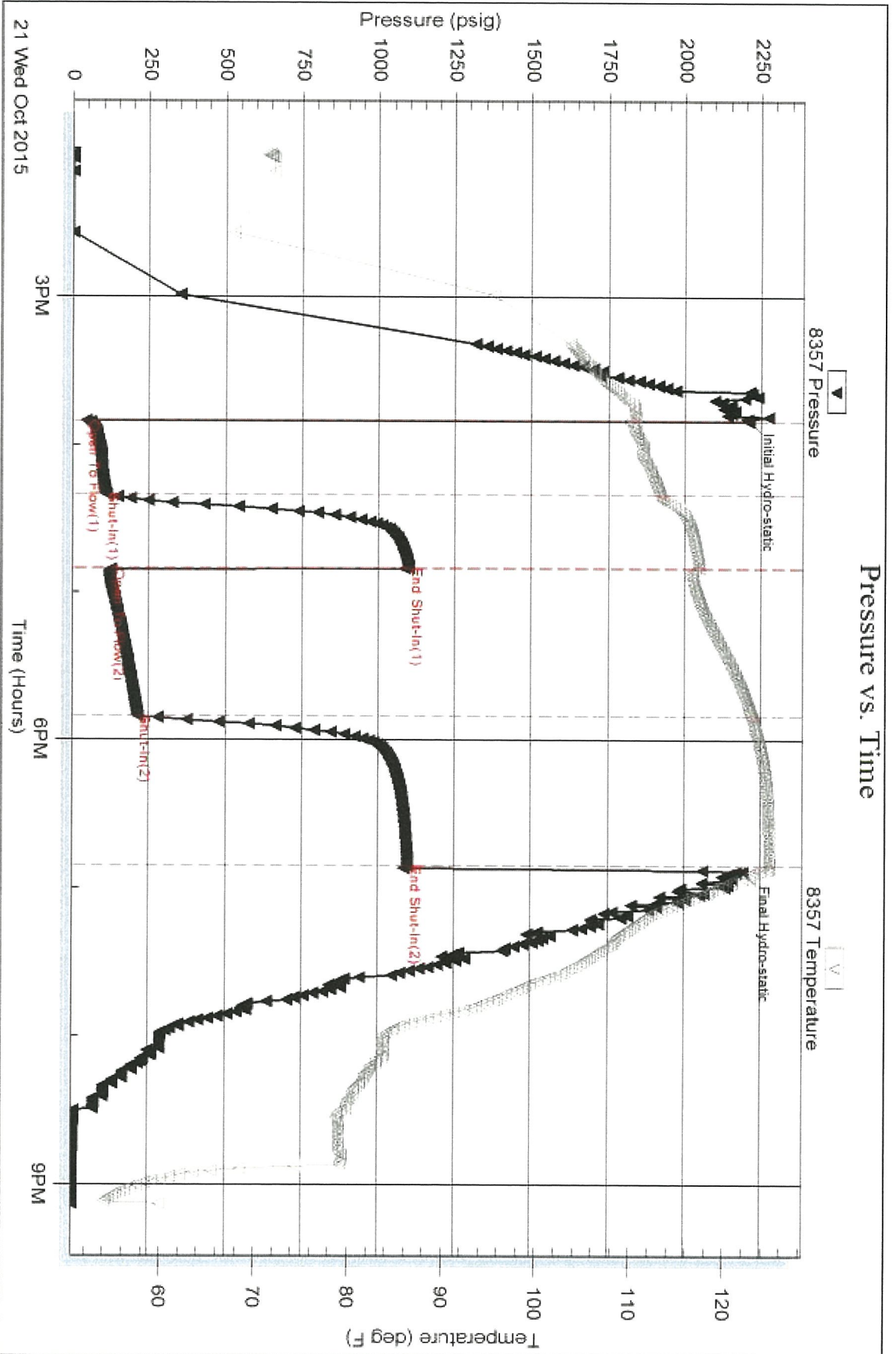
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

DST Test Number: 9



Triobite Testing, Inc

Ref. No: 64602

Printed: 2015 10 23 @ 09:40:06

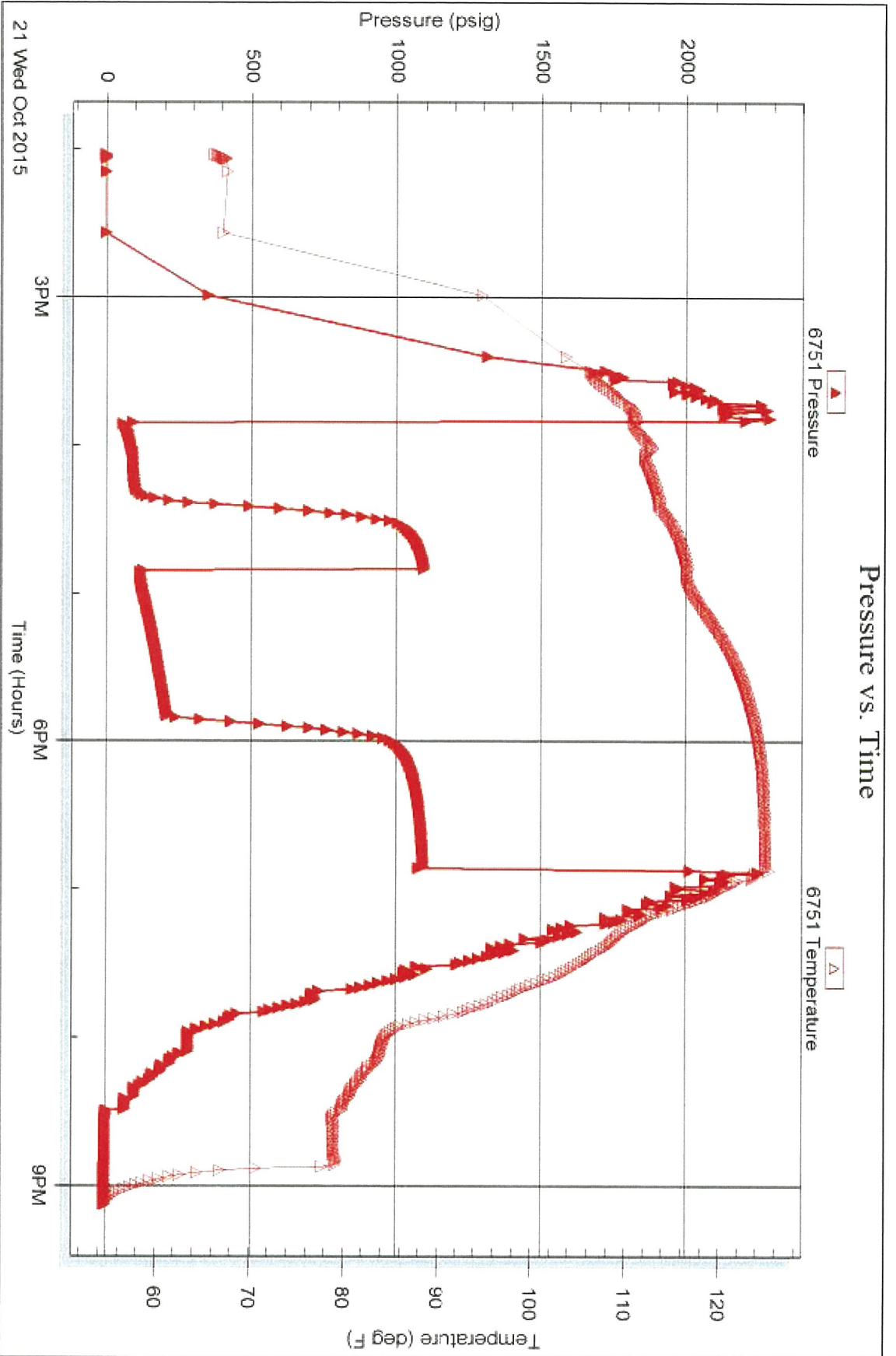
Serial #: 6751

Outside

Palomino Petroleum, Inc.

Wallace-Rebarchek #1

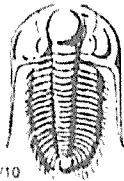
DST Test Number: 9



Triobite Testing, Inc

Ref. No: 64602

Printed 2015 10 23 @ 09:40:07



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61719

Well Name & No. Red Wallace - Rebarcek Test No. 1 Date 10-16-15  
 Company Palomine Petroleum Elevation 3832 KB 3827 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Andrew Stanzel Rig LUW #2  
 Location: Sec. 19 Twp. 14s Rge. 30w Co. Greve State KS

Interval Tested 3836 - 3877 Zone Tested Topeka  
 Anchor Length 41 Drill Pipe Run 3700 Mud Wt. 9.0  
 Top Packer Depth 3832 Drill Collars Run 120 Vis 59  
 Bottom Packer Depth 3836 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3877 Chlorides 1500 ppm System LCM 1"

Blow Description B.O.B. @ 25min  
No return  
10" Blow  
No return

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>275</u>	Feet of <u>0.5 MW</u>			<u>70</u>	<u>30</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 275 BHT 119 Gravity — API RW 135 @ 49 °F Chlorides 82000 ppm

(A) Initial Hydrostatic <u>1907</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>6:00</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>6:13</u>
(C) First Final Flow <u>104</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>8:11</u>
(D) Initial Shut-In <u>1131</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>10:13</u>
(E) Second Initial Flow <u>10.5</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:39</u>
(F) Second Final Flow <u>151</u>	<input checked="" type="checkbox"/> Mileage <u>79RT</u>	Comments
(G) Final Shut-In <u>1099</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1886</u>	<input type="checkbox"/> Straddle	

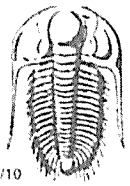
Initial Open 30  
 Initial Shut-In 30  
 Final Flow 32  
 Final Shut-In 30

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1454  
 MP/DST Disc't

Sub Total 1454

Approved By Andrew Stanzel Our Representative Chris 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. 61700

Well Name & No. #1 Wallace - Rebarckek Test No. 2 Date 10-16-15  
 Company Palomino Petroleum Elevation 2832 KB 2827 GL  
 Address 4924 SE 87th St. Newton, KS 67114  
 Co. Rep / Geo. Andrew Stanzel Rig WW#2  
 Location: Sec. 19 Twp. 14s Rge. 30w Co. Cove State KS

Interval Tested .3905 - 3934 Zone Tested LKC 'A'  
 Anchor Length 29 Drill Pipe Run .3763 Mud Wt. 9.3  
 Top Packer Depth 3901 Drill Collars Run 120 Vis .54  
 Bottom Packer Depth .3905 Wt. Pipe Run 0 WL 7.2  
 Total Depth .3934 Chlorides 2000 ppm System LCM 1"  
 Blow Description 3.0.B. @ 18 min.  
No return.  
3.0.B. @ 27 min.  
No return.

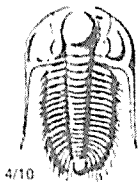
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>1.5</u>	Feet of <u>USOC MW</u>	%gas	<u>1</u> %oil	<u>87</u> %water	<u>15</u> %mud
Rec <u>4.30</u>	Feet of <u>MW</u>	%gas	%oil	<u>90</u> %water	<u>10</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 445 BHT 124 Gravity — API RW .135 @ 45 °F Chlorides 91000 ppm

(A) Initial Hydrostatic <u>1970</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>20:15</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:20</u>
(C) First Final Flow <u>12.5</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:29</u>
(D) Initial Shut-In <u>1100</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>00:29</u>
(E) Second Initial Flow <u>130</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:58</u>
(F) Second Final Flow <u>192</u>	<input checked="" type="checkbox"/> Mileage <u>79RT</u>	Comments
(G) Final Shut-In <u>1071</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1946</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1454</u>
	Sub Total <u>1454</u>	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. 61721

Well Name & No. #1 Wallace - Rebarcek Test No. 3 Date 10-17-15  
 Company Palomino Petroleum Elevation 2832 KB 2827 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Andrew Stenzel Rig WW#2  
 Location: Sec. 19 Twp. 14s Rge. 30w Co. Gove State KS

Interval Tested .3931 - .3967 Zone Tested LKC 'B'  
 Anchor Length .36 Drill Pipe Run 3795 Mud Wt. 9.3  
 Top Packer Depth 3927 Drill Collars Run 120 Vis 60  
 Bottom Packer Depth .3931 Wt. Pipe Run 0 WL 2.2  
 Total Depth 3967 Chlorides 2000 ppm System LCM 2"  
 Blow Description 9" Blow.  
No return.  
8" Blow.  
1/2" Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>60</u>	<u>10</u>	<u>90</u>		
<u>880</u>	<u>CCM</u>		<u>20</u>	<u>80</u>	
<u>60</u>	<u>CCWM</u>		<u>3</u>	<u>47</u>	<u>50</u>

Rec Total 150 BHT 114 Gravity 36 API RW 220 @ 64 °F Chlorides 37000 ppm

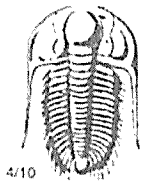
(A) Initial Hydrostatic 2017  Test 1050 T-On Location 9:58  
 (B) First Initial Flow .39  Jars 250 T-Started 9:58  
 (C) First Final Flow 62  Safety Joint 75 T-Open 11:25  
 (D) Initial Shut-In 1012  Circ Sub Nic T-Pulled 13:22  
 (E) Second Initial Flow 77  Hourly Standby \_\_\_\_\_ T-Out 14:43  
 (F) Second Final Flow 82  Mileage 79RT Comments \_\_\_\_\_  
 (G) Final Shut-In 922  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1971  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1454

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

Sub Total 0  
 Total 1454  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Chuck Amich

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61722

Well Name & No. #1 Wallace Rebarchek Test No. 4 Date 10-17-15  
 Company Palomino Petroleum Elevation 2832 KB 2827 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Andrew Stenzel Rig LW#2  
 Location: Sec. 19 Twp. 14s Rge. 30w Co. Cove State KS

Interval Tested 3960-4005 Zone Tested LKC 'D-E'  
 Anchor Length 4.5 Drill Pipe Run 3825 Mud Wt. 9.1  
 Top Packer Depth 3956 Drill Collars Run 120 Vis .54  
 Bottom Packer Depth 3960 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4005 Chlorides 4000 ppm System LCM 16"  
 Blow Description 3" Blow  
No return  
3" Blow  
No return

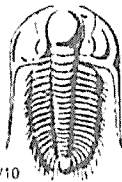
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>100</u>	Feet of <u>OCM</u>	%gas <u>1.5</u>	%oil <u>8.5</u>	%water <u>8.5</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1993  Test 1150 T-On Location 22:33  
 (B) First Initial Flow 26  Jars 250 T-Started 22:35  
 (C) First Final Flow 46  Safety Joint 75 T-Open 00:13  
 (D) Initial Shut-In 59.5  Circ Sub NIC T-Pulled 2:16  
 (E) Second Initial Flow 47  Hourly Standby — T-Out 3:55  
 (F) Second Final Flow 59  Mileage 79RT Comments —  
 (G) Final Shut-In 34.5  Sampler —  
 (H) Final Hydrostatic 1948  Straddle —  
 Ruined Shale Packer —  
 Ruined Packer —  
 Extra Copies 0  
 Initial Open 30  Extra Packer —  
 Initial Shut-In 30  Extra Recorder —  
 Final Flow 30  Day Standby —  
 Final Shut-In 30  Accessibility —  
 Sub Total 1554 MP/DST Disc't —

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61723

Well Name & No. #1 Wallace - Rebarchet Test No. 5 Date 10-18-15  
 Company Palomino Petroleum Elevation 2832 KB 2827 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Andrew Strazel Rig WW#2  
 Location: Sec. 19 Twp. 14s Rge. 30w Co. Gove State KS

Interval Tested 4002-4030 Zone Tested LKC 'F-G'  
 Anchor Length 28 Drill Pipe Run 3887 Mud Wt. 9.3  
 Top Packer Depth 3998 Drill Collars Run 120 Vis 57  
 Bottom Packer Depth 4002 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4030 Chlorides 4400 ppm System LCM 1<sup>F</sup>  
 Blow Description 9" Blow  
No return  
7" Blow  
No return

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>20</u>	Feet of <u>CGC</u>	<u>5</u> %gas	<u>95</u> %oil	%water	%mud
Rec <u>120</u>	Feet of <u>OCM</u>	%gas	<u>5</u> %oil	%water	<u>95</u> %mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

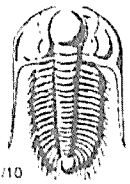
Rec Total 140 BHT 116 Gravity 36 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2006  Test 1150 T-On Location 10:45  
 (B) First Initial Flow 26  Jars 250 T-Started 10:48  
 (C) First Final Flow 60  Safety Joint 75 T-Open 12:20  
 (D) Initial Shut-In 981  Circ Sub Nic T-Pulled 14:20  
 (E) Second Initial Flow 70  Hourly Standby \_\_\_\_\_ T-Out 16:09  
 (F) Second Final Flow 78  Mileage 79 Comments \_\_\_\_\_  
 (G) Final Shut-In 923  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1996  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer 320  
 Extra Recorder \_\_\_\_\_ Sub Total 320  
 Day Standby \_\_\_\_\_ Total 1874  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1554

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

Our Representative Chuck Amick

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61724

Well Name & No. #1 Wallace - Rebarchek Test No. 6 Date 10-19-15  
 Company Palomino Petroleum Elevation 2832 KB 2827 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Andrew Stenzel Rig WW#2  
 Location: Sec. 19 Twp. 14s Rge. 30w Co. Cove State KS

Interval Tested 4071 - 4138 Zone Tested LKC H-I  
 Anchor Length 67 Drill Pipe Run 3951 Mud Wt. 9.3  
 Top Packer Depth 4067 Drill Collars Run 120 Vis 57  
 Bottom Packer Depth 4071 Wt. Pipe Run 0 WL 7.2  
 Total Depth 7138 Chlorides 4400 ppm System LCM 1"  
 Blow Description 3" Blow  
No return.  
2" Blow  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>135</u>	Feet of <u>40m 60w</u>			<u>60</u> %water	<u>40</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

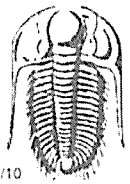
Rec Total 135 BHT 117 Gravity — API RW 210 @ 57 °F Chlorides 47000 ppm

(A) Initial Hydrostatic <u>2068</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>7:53</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>4:55</u>
(C) First Final Flow <u>58</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>6:22</u>
(D) Initial Shut-In <u>10:33</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>8:23</u>
(E) Second Initial Flow <u>65</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>9:51</u>
(F) Second Final Flow <u>81</u>	<input checked="" type="checkbox"/> Mileage <u>79RT</u>	Comments
(G) Final Shut-In <u>973</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2065</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1554</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1554</u>	

Approved By John Smith Our Representative Chuck Smith

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61725

Well Name & No. #1 Wallace - Rebarck Test No. 7 Date 10-19-15  
 Company Palomino Petroleum Elevation 2832 KB 2827 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Andrew Stenzel Rig W-W#2  
 Location: Sec. 19 Twp. 14s Rge. 30w Co. Cove State KS

Interval Tested 4142-4236 Zone Tested LKC 'J-L'  
 Anchor Length 94 Drill Pipe Run 4012 Mud Wt. 9.3  
 Top Packer Depth 4138 Drill Collars Run 120 Vis 57  
 Bottom Packer Depth 4142 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4236 Chlorides 4000 ppm System LCM 1 1/2"  
 Blow Description 3 1/2" Blow  
No return  
1 1/2" Blow  
No return

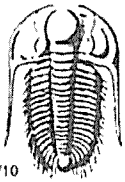
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>125</u>	Feet of <u>0.51m</u>			<u>20</u>	<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 125 BHT 117 Gravity — API RW. 170 @ 65 °F Chlorides 49000 ppm  
 (A) Initial Hydrostatic 2092  Test 1150 T-On Location 21:55  
 (B) First Initial Flow 23  Jars 250 T-Started 21:58  
 (C) First Final Flow .51  Safety Joint 75 T-Open 0:06  
 (D) Initial Shut-In 1020  Circ Sub N/C T-Pulled 2:10  
 (E) Second Initial Flow 67  Hourly Standby — T-Out 3:41  
 (F) Second Final Flow 76  Mileage 79RT Comments No second recorder  
 (G) Final Shut-In 994  Sampler — file.  
 (H) Final Hydrostatic 2067  Straddle —

Initial Open 30  Ruined Shale Packer —  
 Initial Shut-In 30  Ruined Packer —  
 Final Flow 30  Extra Packer —  
 Final Shut-In 30  Extra Recorder — Sub Total 0  
 Day Standby — Total 1554  
 Accessibility — MP/DST Disc't —  
 Sub Total 1554

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

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 64601

Well Name & No. #1 Wallace - Reberchek Test No. 8 Date 10-20-15  
 Company Palomino Petroleum Elevation 2832 KB 2827 GL  
 Address 4924 SE 84th St. Newton, KS 67117  
 Co. Rep / Geo. Andrew Strazel Rig WW#2  
 Location: Sec. 19 Twp. 14s Rge. 30w Co. Cove State KS

Interval Tested 4.378-4414 Zone Tested Myrick Station  
 Anchor Length .36 Drill Pipe Run 4264 Mud Wt. 9.2  
 Top Packer Depth 4374 Drill Collars Run 120 Vis .56  
 Bottom Packer Depth 4378 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4414 Chlorides 3000 ppm System LCM 1"  
 Blow Description 1/4" Blow died @ 2.5 min.  
No return  
No blow  
No return

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>M with an oil spot</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 120 Gravity - API RW @ °F Chlorides - ppm

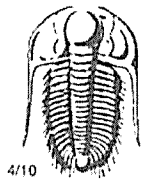
(A) Initial Hydrostatic <u>2204</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>8:48 pm</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:50</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:57</u>
(D) Initial Shut-In <u>49</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>00:58</u>
(E) Second Initial Flow <u>23</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2:33</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>79RT</u>	Comments
(G) Final Shut-In <u>.38</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2217</u>	<input type="checkbox"/> Straddle	

initial Open 30  Shale Packer  
 initial Shut-In 30  Shale Packer  
 Final Flow 30  Extra Packer  
 Final Shut-In 30  Extra Recorder  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Sub Total 1554

Sub Total 1554 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. 64602

Well Name & No. #1 Wallace-Rebacchek Test No. 9 Date 10-21-15  
 Company Palomine Petroleum Elevation 2832 KB 2827 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Andrew Stenzel Rig WW#2  
 Location: Sec. 19 Twp. 17s Rge. 30W Co. Gove State KS

Interval Tested 4404-4505 Zone Tested Ft Scott - Johnson  
 Anchor Length 101 Drill Pipe Run 4265 Mud Wt. 9.3  
 Top Packer Depth 4406 4404 Drill Collars Run 120 Vis 6.3  
 Bottom Packer Depth 7702 7400 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4505 Chlorides 3000 ppm System LCM 2"  
 Blow Description B.O.B. @ 6 min.  
B.O.B. @ 15 min.  
B.O.B. @ 75 min.  
B.O.B. @ 13 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>✓</u>	<u>2615' GIP</u>				
<u>442</u>	<u>60</u>	<u>25</u>	<u>75</u>		
<u>150</u>	<u>GOCM</u>	<u>15</u>	<u>2</u>	<u>83</u>	

Rec Total 592 BHT 125 Gravity 28 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2204  Test 1150 T-On Location 13:56  
 (B) First Initial Flow 44  Jars 250 T-Started 14:02  
 (C) First Final Flow 107  Safety Joint 75 T-Open 15:50  
 (D) Initial Shut-In 1098  Circ Sub N/C T-Pulled 18:51  
 (E) Second Initial Flow 125  Hourly Standby \_\_\_\_\_ T-Out 21:08  
 (F) Second Final Flow 212  Mileage 79RT 12 +79 Comments Picked up tools after logs.  
 (G) Final Shut-In 1096  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2193  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1633

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 60  Extra Copies \_\_\_\_\_  
 Final Shut-In 60 Sub Total 0  
 Total 1633  
 MP/DST Disc't \_\_\_\_\_

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