

## Kansas Corporation Commission Oil & Gas Conservation Division

#### 1082128

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

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

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd.  CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:   Deepening Re-perf. Conv. to ENHR Conv. to SWD   Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR         Permit #:           ☐ GSW         Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

#### **AFFIDAVIT**

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

**Submitted Electronically** 

KCC Office Use ONLY			
Letter of Confidentiality Received			
Date:			
Confidential Release Date:			
Wireline Log Received			
Geologist Report Received			
UIC Distribution			
ALT I II III Approved by: Date:			

Side Two



Operator Name:				_ Lease N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No							
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually (		nmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Atwell 'TJ' 1
Doc ID	1082128

## Tops

Name	Тор	Datum
Anhy.	1990	(+ 603)
Base Anhy.	2020	(+ 573)
Topeka	3602	(-1009)
Heebner	3859	(-1266)
LKC	3900	(-1307)
Stark	4159	(-1566)
ВКС	4236	(-1643)
Marmaton	4262	(-1669)
Ft. Scott	4421	(-1828)
Cherokee Sh.	4445	(-1852)
Miss.	4516	(-1923)
LTD	4549	(-1956)



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

(817) 246-3361

Bill To:

Palomino Petroleum, Inc.

4924 SE 84th St.

Newton, KS 67114-8827

INVOICE

Invoice Number: 130440

Invoice Date: Mar 10, 2012

Page: 1

Federal Tax I.D.#: 20-8651475

Customer ID	Well Name/# or Customer P.O.	Payment	Terms
Palo	Atwell #1	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Mar 10, 2012	4/9/12

RECEIVED

MAR 1 7 2012

180.00 MA 120.00 MA 10.00 MA	AT P	Class A Common	16.25	2,925.00
		ozmix	0.50	
10 00 140	AT G		8.50	1,020.00
10.00 1012		Gel	21.25	212.50
75.00 MA	AT FI	loSeal	2.70	202.50
313.00 SE	ER H	andling	2.25	704.25
30.00 SE	ER M	lileage	34.43	1,032.90
1.00 SE	ER R	otary Plug	1,250.00	1,250.00
60.00 SE	ER He	eavy Vehicle Mileage	7.00	420.00
60.00 SE	ER Li	ight Vehicle Mileage	4.00	240.00
1.00 EQ	QUIP OPER G	reg Redetzke		
1.00 EQ	QUIP OPER D	ustin Chambers		
1.00 OP	PER ASSIST   Ke	evin Weighous		
1.00 OP	PER ASSIST K	erry Rose		
	1			

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$2447.88

ONLY IF PAID ON OR BEFORE
Apr 4, 2012

Subtotal	8,007.15
Sales Tax	504.45
Total Invoice Amount	8,511.60
Payment/Credit Applied	
TOTAL	8,511.60

-2,447.88 6,063.72

## ALLIED CEMENTING CO., LLC. 042418

SERVICE POINT;

Federal Tax I.D.# 20-5975804

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

DATE OF The SECOL TWO SHARES CALLED OUT ON LOCATION OF FRINSE CALLED OUT OUT OF FRINSE CALLED OUT	RUSSELL, KANSAS 6/003	Direct Devel, 65
LEASE AT WELL # LOCATION Nicolation & 9 cont   Near   Near	DATE 0-10-12 SEC. TWP. RANGE	
OLD OR SEW (Circle one)  CONTRACTOR TYPE OF 10B  Set 1	AL IT	COUNTY STATE
CONTRACTOR PORTAL  TYPE OF JOB  ROLESTE TO		
CONTRACTOR FIGHT TYPE OF 101B Repair Mana HOLE SIZE 77/7 TD. 45/7 CASING SIZE DEPTH TUBING SIZE DEPTH TUBING SIZE DEPTH TOOL DEPTH T	The same of the sa	761 (0-10
HOLE SIZE 7 7 1/2 T.D. 4/3-4/7 CASING SIZE DEPTH TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DEPTH TOOL DEPTH PRES MAX MINIMUM MEAS LINE SHOE JOINT POZMIX 126 9 5.50 1230.00 CEMENT LEFT IN CSG. PERPS DISPLACEMENT  FUMPTRUCK CEMENTER: TOTAL FULL TRUCK FULL T	CONTRACTOR TICKEL!	OWNER 19/2mino
CASING SIZE  DEPTH TUBING SIZE  DEPTH TUBING SIZE  DEPTH TUBING SIZE  DEPTH TOOL  MEAS LINE  SHOE JOINT  CEMENT LEFT IN CSG.  GEL  JO  21.25  212.50  CHLORIDE  ASC  CHLORIDE  ASC  STREET  CITY  STATE  PLUG & FLOAT EQUIPMENT  AMOUNT ORDERED  JULIS 2 292.50  ALES 2 294.70  ALES 2 292.50  ALES 2 292.50  ALES 2 294.70  ALES 2 292.50  ALES 2		
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MEAS. LINE  CHEMENT LEFT IN CSG.  PERFS.  DISPLACEMENT  EQUIPMENT  PUMP TRUCK  BULK TRUCK		COMMON / 80 @ 16.25 2925.00
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PUMPTRUCK CEMENTER: Or of HELPER Partial C   0		CHLORIDE @
PUMPTRUCK CEMENTER: Or of HELPER Purplic C G G G G G G G G G G G G G G G G G G		ASC @ 27A 2A2 59
PUMPTRUCK # JOS HELPER Justic C   @   # BULK TRUCK # JUK	EQUIPMENT	
BULK TRUCK # 244-17c DRIVER Kevii (C) BULK TRUCK # DRIVER Kevii (C)  REMARKS:  Plue SC SKS & 20/6 ff.  Sith firm Sc SKS (C) Go Ff.  STATE ZIP  PLUG & FLOAT EQUIPMENT  TOTAL 1976. 60  MANIFOLD G  White 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.  PRINTED NAME  BULK TRUCK  # HANDLING 313 @ 2.25 76 7.28 8  HANDLING 313 @ 2.25 76 7.28 8  MILEAGE 313 x 26 x 1.11 1/256.09  EXTRA FOOTAGE  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE HUM (C) @ 7.06 2/26.09  EXTRA FOOTAGE (C)  WHILEAGE JI X 26 x 1.11  EXAMPLE A CONTROL OF THE ABOVE WAS ASSETTED TO TOTAL TOT		
BULK TRUCK # 3HH-17c DRIVER Kerry C. # DRIVER Kerry C. # HANDLING 313 @ 2.25 76 7.25  REMARKS:	-Krac-	
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BULK TRUCK  REMARKS:  REMARKS:  Plug SC 245 P 266 P 362 P 36		
REMARKS:  TOTAL 4097. SERVICE  DEPTH OF JOB.  PLMP TRUCK CHARGE 1250. SSERVICE  EXTRA FOOTAGE 6  MILEAGE HUM 60 7.00 4920. SSERVICE  TOTAL 1970. SSERVICE  TOTAL 1970. SERVICE  T	RILKTRICK	
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SERVICE  STAGO 3.69  FUMP TRUCK CHARGE  STAGO 7.69  FUMP TRUCK CHARGE  FUMP T	, ot , , , , , , , , , , , , , , , , , ,	IVIAL GOTT.
DEPTH OF JOB  JOSEPH JO		SERVICE
PUMPTRUCK CHARGE 1256.00    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.    Pumptruck Charge   Extra Footage   Extra Footage   Mile Age   Float Equipment		DERVICE .
PUMPTRUCK CHARGE /256.00  Retition   Power lane   Pumptruck Charge   P		DEPTH OF JOB
CHARGE TO: 9/6 MILEAGE HUM GO 97.00 420.00  CHARGE TO: 9/6 MILEAGE HUM GO 97.00 246.00  TOTAL 19/6.00		PUMPTRUCK CHARGE /250.00
CHARGE TO: 9/6 M Inc  STREET		EXTRA FOOTAGE @
CHARGE TO: STATE ZIP PLUG & FLOAT EQUIPMENT  TO Allied Cementing Co., 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.  PRINTED NAME  PRINTED NAME  TOTAL 940.00  TOTAL 940.00  TOTAL 940.00  TOTAL 1940.00  TOTAL 940.00  TOTAL 1940.00  TOTAL 1	XC 182 11100 X 1601	
CHARGE TO: STREET		
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STREET	CHARGE TO. TO LO 2011 14C	<u> </u>
To Allied Cementing Co., 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.  PRINTED NAME  PR	CHARGE 10: 17/6 78/26	TOTAL 19/1.00
To Allied Cementing Co., 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.  PRINTED NAME  P	STREET	TOTAL
To Allied Cementing Co., 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.  PRINTED NAME  P	CITY STATE ZIP	
To Allied Cementing Co., 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.  PRINTED NAME  TOTAL  SALES TAX (If Any)  TOTAL CHARGES \$60.7. 5  DISCOUNT  IF PAID IN 30 DAYS		
To Allied Cementing Co., 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.  PRINTED NAME  TOTAL  SALES TAX (If Any)  TOTAL CHARGES \$60.7. 5  DISCOUNT  IF PAID IN 30 DAYS		
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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.  PRINTED NAME  TOTAL CHARGES SOO7.		1330121
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.  PRINTED NAME  TOTAL		
Contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  SALES TAX (If Any)  TOTAL CHARGES 8007. 15  DISCOUNT 15 PAID IN 30 DAYS  5.559.27		
PRINTED NAME  PRINTED NAME  SALES TAX (If Any)  TOTAL CHARGES SOO 7. 15  DISCOUNT  TOTAL CHARGES SOO 7. 15  IF PAID IN 30 DAYS		
PRINTED NAME X A / KC / DISCOUNT TOTAL CHARGES SOO 7. 15  DISCOUNT ST IF PAID IN 30 DAYS  5.559.27		
PRINTED NAME DISCOUNT 2477. 52 IF PAID IN 30 DAYS  5.559.27	TEAMS AND CONDITIONS listed on the reverse	Citate.
DISCOUNT IF PAID IN 30 DAYS  S. 559. 27	X Anila A	TOTAL CHARGES XOO /· T
5.559.27	PRINTED NAME ATTACK	DISCOUNT 4777. IF PAID IN 30 DAYS
SIGNATURE / / / / / / / / / / / / / / / / / / /	X Mary Mary Mary Mary Mary Mary Mary Mary	5.559 27
	SIGNATURE	J. J
Thyak Llow	Thruk Hon!	



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282 (817) 246-3361

Fax:

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827 INVOICE

Invoice Number: 130353

Invoice Date: Feb 28, 2012

Page: 1

Federal Tax I.D.#: 20-8651475

Customer ID	Well Name# or Customer P.O.	Payment	Terms
Palo	Atwell TJ #1	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Feb 28, 2012	3/29/12

RECEIVED

MAR U 5 2012

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	16.25	2,437.50
3.00	MAT	Gei	21.25	63.75
5.00	MAT	Chloride	58.20	291.00
158.00	SER	Handling	2.25	355.50
30.00	SER	Mileage 158 sx @.11 per sk per mi	17.38	521.40
1.00	SER	Surface	1,125.00	1,125.00
60.00	SER	Pump Truck Mileage	7.00	420.00
60.00	SER	Light Vehicle Mileage	4.00	240.00
1.00	EQUIP OPER	Dustin Chambers		240.00
1.00	OPER ASSIST	Jonathon Ploutz		
1.00	OPER ASSIST	Kevin Weighous		
		0.11.1		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

ONLY IF PAID ON OR BEFORE Mar 24, 2012

Subtotal	5,454.15
Sales Tax	175.91
Total Invoice Amount	5,630.06
Payment/Credit Applied	
TOTAL	5,630.06

## ALLI D CEMENTING CO., LLC. 042440

Federal Tax I.D.# 20-5975804

REMIT TO: P.O. BOX 31 SERVICE POINT: RUSSELL, KANSAS 67665 Great Band, #5 JOB\_FINISH TWP. RANGE CALLED OUT ON LOCATION JOB START 175 4100 490 STATE COUNTY LOCATION 3 West of New-Love county line LEASE AT WELL # Lane Fansas OLD OR NEW (Circle one) CONTRACTOR PICKIEL POlling OWNER Palomino Petroleum TYPE OF JOB Sur Force 1244 HÒLE SIZE T.D. CEMENT CASING SIZE 4 9/4 AMOUNT ORDERED 156 DEPTH 203 **TUBING SIZE DEPTH** 34.66 24.gel DRILL PIPE DEPTH TOOL **DEPTH** PRES. MAX MINIMUM COMMON MEAS. LINE SHOE JOINT POZMIX (a) CEMENT LEFT IN CSG GEL @ PERFS. **CHLORIDE** @ 5<del>8.20</del> DISPLACEMENT 11,846615 Freshword ASC @ **EQUIPMENT** @ @ @ CEMENTER Dustic & PUMP TRUCK (a) 398 HELPER Jon (a) **BULK TRUCK** @ 341 DRIVER @ **BULK TRUCK** (a) DRIVER HANDLING 158 355. @2.25 MILEAGE 1583 36 4.11 521 REMARKS: TOTAL 3.449. Bottom break Lixculation in Mix 150 5Ks Class A 34.08 97/1901 SERVICE Pisplace with 11.546615 freelwayer or Shut 1 DEPTH OF JOB 218 circulore Cement 1125.00 PUMP TRUCK CHARGE 0(49 122m EXTRA FOOTAGE (a) @ 7.00 MO. 95 MILEAGE HUM MANIFOLD \_ (a) @ 4.00 @ CHARGE TO: Paloning Percoleum INC TOTAL 1785.00 STREET\_ STATE\_ ZIP PLUG & FLOAT EQUIPMENT @ @ (a) To Allied Cementing Co., 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 TOTAL \_ contractor. I have read and understand the "GENERAL SALES TAX (If Any) -TERMS AND CONDITIONS" listed on the reverse side. 5454.15 TOTAL CHARGES \_ るるる。 DISCOUNT \_\_\_\_\_ \_ IF PAID IN 30 DAYS 772.62

Thank You!

**SIGNATURE** 



Prepared For:

Palomino Petroleum, Inc.

4924 SE 84th St. Newton, KS 67114

ATTN: Pat Balthazor

#### Atwell TJ #1

## S26-17s-27w Lane, KS

Start Date: 2012.03.06 @ 18:55:00

End Date: 2012.03.07 @ 01:52:50

Job Ticket #: 45086 DST #: 1

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

Printed: 2012.03.12 @ 15:50:35



Palomino Petroleum, Inc.

4924 SE 84th St. New ton, KS 67114

ATTN: Pat Balthazor

S26-17s-27w Lane, KS

Atwell TJ #1

Job Ticket: 45086

DST#: 1

Test Start: 2012.03.06 @ 18:55:00

#### GENERAL INFORMATION:

Formation:

LKC "I-J"

Deviated: No

Whipstock:

ft (KB)

Time Tool Opened: 21:27:00 Time Test Ended: 01:52:50

Interval:

Start Date:

Start Time:

4088.00 ft (KB) To 4155.00 ft (KB) (TVD)

Total Depth: 4155.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester:

Chuck Smith

Unit No: 37

Reference Elevations:

2593.00 ft (KB)

KB to GR/CF:

2583.00 ft (CF) 10.00 ft

Serial #: 8018

Inside

2012.03.06

18:55:02

Press@RunDepth: 65.13 psig @

4092.00 ft (KB)

End Time:

End Date:

2012.03.07 01:52:49 Capacity: Last Calib.: 8000.00 psig

2012.03.07 Time On Btm: 2012.03.06 @ 21:25:10

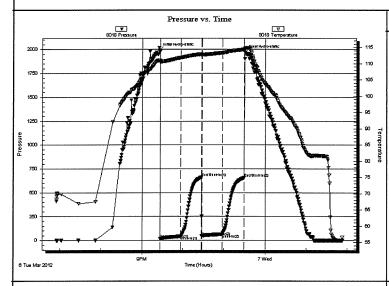
Time Off Btm:

2012.03.06 @ 23:30:30

TEST COMMENT: 5" Blow.

Weak surface return died @ 5 min.

3" Blow. No return.



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation			
(Min.)	(psig)	(deg F)				
0	1990.92	110.99	Initial Hydro-static			
2	16.15	110.25	Open To Flow (1)			
33	43.16	111.86	Shut-In(1)			
63	662.19	112.90	End Shut-In(1)			
63	44.65	112.63	Open To Flow (2)			
93	65.13	113.36	Shut-ln(2)			
125	656.45	114.38	End Shut-In(2)			
126	1971.27	114.67	Final Hydro-static			

#### Recovery

Length (ft)	Description	Volume (bbl)
100.00	OCM 2o 98m	0.49

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 45086 Printed: 2012.03.12 @ 15:50:35



Palomino Petroleum, Inc.

Atwell TJ #1

4924 SE 84th St. New ton, KS 67114

Job Ticket: 45086

S26-17s-27w Lane, KS

Test Start: 2012.03.06 @ 18:55:00

DST#: 1

ATTN: Pat Balthazor

**GENERAL INFORMATION:** 

Formation: LKC "I-J"

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 21:27:00 Tester: Chuck Smith

Time Test Ended: 01:52:50 Unit No: 37

Interval: 4088.00 ft (KB) To 4155.00 ft (KB) (TVD) Reference Elevations: 2593.00 ft (KB)

Total Depth: 4155.00 ft (KB) (TVD) 2583.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4092.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2012.03.06 End Date: 2012.03.07 Last Calib.: 2012.03.07

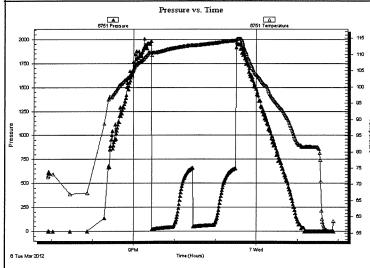
Start Time: 18:55:02 End Time: 01:52:49 Time On Btm:

Time Off Btm:

TEST COMMENT: 5" Blow.

Weak surface return died @ 5 min.

3" Blow . No return.



#### PRESSURE SUMMARY

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

#### Recovery

Description	Volume (bbl)
OCM 2o 98m	0.49

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 45086 Printed: 2012.03.12 @ 15:50:35



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

Atwell TJ #1

4924 SE 84th St. New ton, KS 67114

Job Ticket: 45086

S26-17s-27w Lane, KS

DST#: 1

ATTN: Pat Balthazor

Test Start: 2012.03.06 @ 18:55:00

Tool Information

Drill Pipe: Length: 3943.00 ft Diameter: 3.80 inches Volume: 55.31 bbl Tool Weight: 2500.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb Drill Collar: Length: 124.00 ft Diameter: 2.25 inches Volume: 0.61 bbl Weight to Pull Loose: 90000.00 lb Total Volume: Tool Chased 55.92 bbl 0.00 ft

Drill Pipe Above KB: 6.50 ft
Depth to Top Packer: 4088.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 67.00 ft

String Weight: Initial 80000.00 lb Final 80000.00 lb

Tool Length: 67.00 ft 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			4061.50		
Shut In Tool	5.00			4066.50		
Hydraulic tool	5.00			4071.50		
Jars	5.00			4076.50		
Safety Joint	2.50			4079.00		
Packer	5.00			4084.00	27.50	Bottom Of Top Packer
Packer	4.00			4088.00		
Stubb	1.00			4089.00		
Perforations	3.00			4092.00		
Recorder	0.00	8018	Inside	4092.00		
Recorder	0.00	6751	Outside	4092.00		
Perforations	27.00			4119.00		
Change Over Sub	1.00			4120.00		
Drill Pipe	31.00			4151.00		
Change Over Sub	1.00			4152.00		
Bullnose	3.00			4155.00	67.00	Bottom Packers & Anchor
Total Tool Langth	. 0450					

Total Tool Length: 94.50

Trilobite Testing, Inc Ref. No: 45086 Printed: 2012.03.12 @ 15:50:36



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

S26-17s-27w Lane, KS

4924 SE 84th St. New ton, KS 67114 Atwell TJ #1
Job Ticket: 45086

DST#: 1

ATTN: Pat Balthazor

Test Start: 2012.03.06 @ 18:55:00

**Mud and Cushion Information** 

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal

Cushion Type: Cushion Length: Oil API:

deg API

Viscosity:

50.00 sec/qt

1.00 inches

Cushion Volume:

Water Salinity:

ppm

Water Loss:

Filter Cake:

7.58 in<sup>3</sup>

Gas Cushion Type: Gas Cushion Pressure:

psig

ft

bbl

Resistivity: ohm.m Salinity: 2800.00 ppm

**Recovery Information** 

Recovery Table

 Length ft
 Description
 Volume bbl

 100.00
 OCM 2o 98m
 0.492

Total Length:

100.00 ft

Total Volume:

0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: (

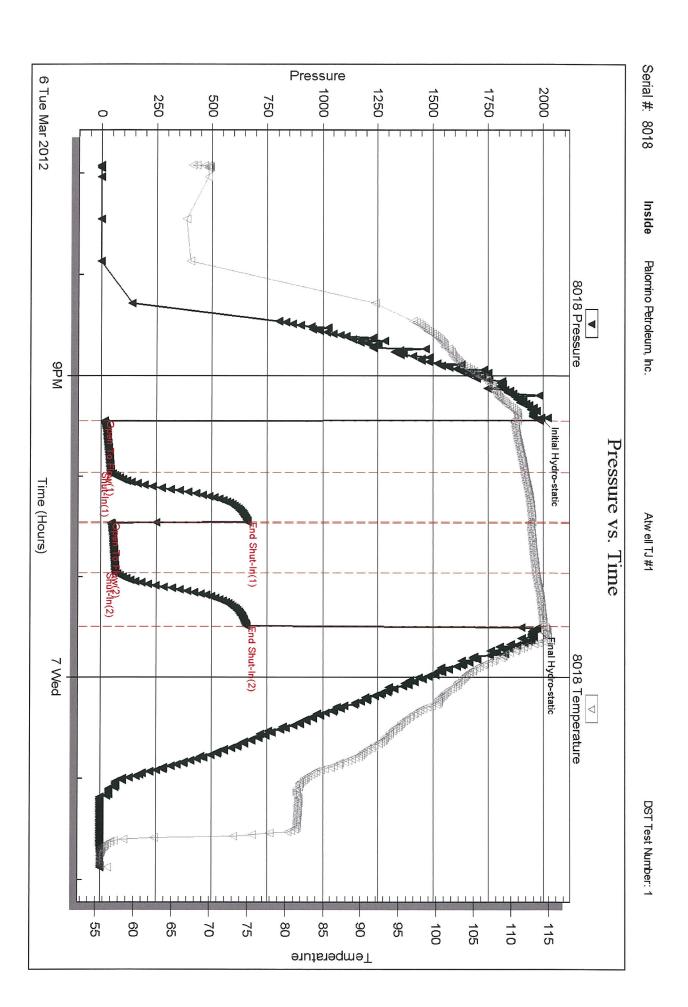
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

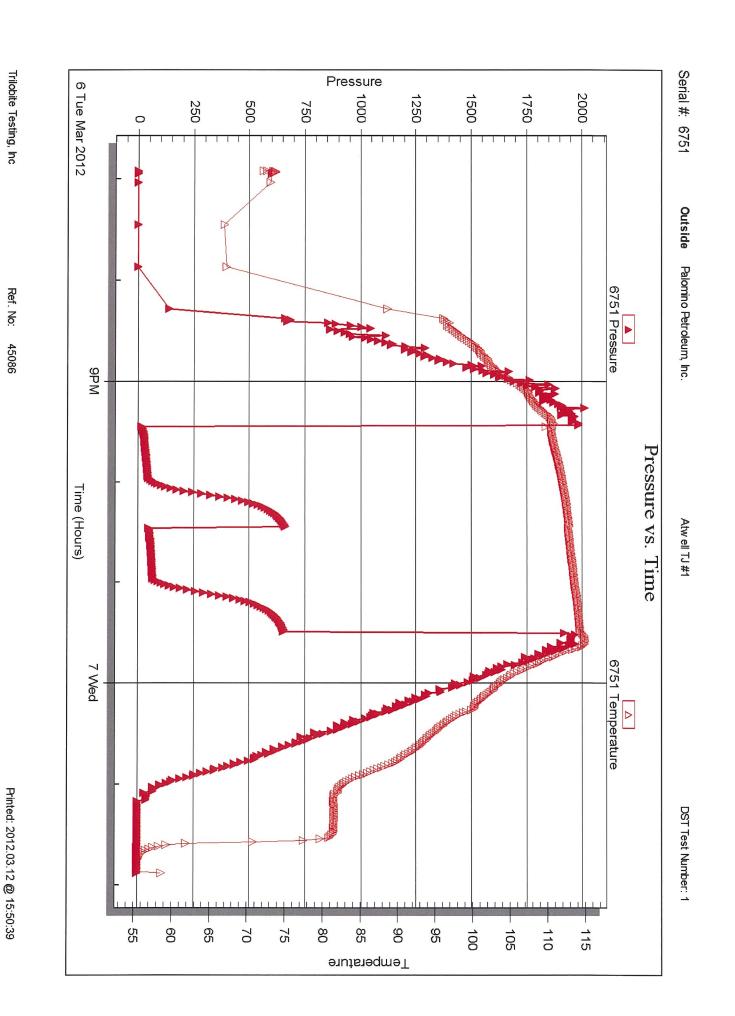
Trilobite Testing, Inc Ref. No: 45086 Printed: 2012.03.12 @ 15:50:37



Trilobite Testing, Inc

Ref. No: 45086

Printed: 2012.03.12 @ 15:50:37





Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St. Newton, KS 67114

ATTN: Pat Balthazor

#### Atwell TJ #1

## S26-17s-27w Lane, KS

Start Date: 2012.03.07 @ 15:10:00

End Date: 2012.03.07 @ 21:30:39

Job Ticket #: 45087 DST#: 2

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

Printed: 2012.03.12 @ 15:49:51



Palomino Petroleum, Inc.

4924 SE 84th St. New ton, KS 67114

ATTN: Pat Balthazor

S26-17s-27w Lane, KS

Atwell TJ #1

Job Ticket: 45087

DST#: 2

Test Start: 2012.03.07 @ 15:10:00

#### GENERAL INFORMATION:

Formation:

Interval:

LKC "K"-Pleasanton

Whipstock: Deviated: No

ft (KB)

Time Tool Opened: 17:15:30

Time Test Ended: 21:30:39

4156.00 ft (KB) To 4260.00 ft (KB) (TVD)

4260.00 ft (KB) (TVD) Total Depth:

7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset) Tester:

Chuck Smith

37

Reference Elevations:

Unit No:

2593.00 ft (KB)

2583.00 ft (CF)

KB to GR/CF:

10.00 ft

Serial #: 6751 Outside

Press@RunDepth:

Hole Diameter:

psig @

4160.00 ft (KB)

2012.03.07

Capacity:

8000.00 psig

Start Date:

2012.03.07

End Date:

Last Calib.: Time On Btm: 2012.03.07

Start Time:

15:10:03

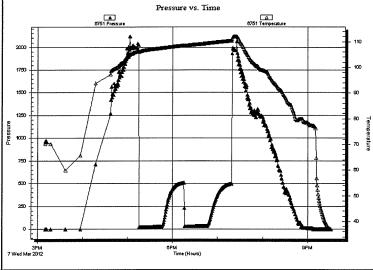
End Time:

21:30:31

Time Off Btm:

TEST COMMENT: 3/4" Blow.

No return. No blow. No return.



## PRESSURE SUMMARY

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

#### Recovery

Length (ft)	Description	Volume (bbl)			
30.00	OSM 100m	0.15			
* Recovery from multiple tests					

#### Gas Rates

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

Ref. No: 45087 Trilobite Testing, Inc Printed: 2012.03.12 @ 15:49:52



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

S26-17s-27w Lane, KS

4924 SE 84th St. New ton, KS 67114 Atwell TJ #1 Job Ticket: 45087

DST#: 2

81000.00 lb

ATTN: Pat Balthazor

Test Start: 2012.03.07 @ 15:10:00

Tool Information

Drill Pipe: Length: 4037.00 ft Diameter: 3.80 inches Volume: 56.63 bbl Tool Weight: 2500.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb 124.00 ft Diameter: Drill Collar: Length: 2.25 inches Volume: 0.61 bbl Weight to Pull Loose: 90000.00 lb Tool Chased Total Volume: 57.24 bbl 0.00 ft

Drill Pipe Above KB: 32.50 ft Depth to Top Packer: 4156.00 ft String Weight: Initial 81000.00 lb Final

Depth to Bottom Packer: ft Interval between Packers: 104.00 ft

131.50 ft Tool Length:

Number of Packers: 2 6.75 inches Diameter:

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4129.50		
Shut In Tool	5.00			4134.50		
Hydraulic tool	5.00			4139.50		
Jars	5.00			4144.50		
Safety Joint	2.50			4147.00		
Packer	5.00			4152.00	27.50	Bottom Of Top Packer
Packer	4.00			4156.00		
Stubb	1.00			4157.00		
Perforations	3.00			4160.00		
Recorder	0.00	8018	Inside	4160.00		
Recorder	0.00	6751	Outside	4160.00		
Perforations	2.00			4162.00		
Change Over Sub	1.00			4163.00		
Drill Pipe	93.00			4256.00		
Change Over Sub	1.00			4257.00		
Bullnose	3.00			4260.00	104.00	Bottom Packers & Anchor
Total Tool Longth	. 424 50					

Total Tool Length: 131.50

Printed: 2012.03.12 @ 15:49:53 Trilobite Testing, Inc Ref. No: 45087



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

S26-17s-27w Lane, KS

4924 SE 84th St. New ton, KS 67114 Atwell TJ #1

Job Ticket: 45087

DST#: 2

ATTN: Pat Balthazor

Test Start: 2012.03.07 @ 15:10:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume:

Gas Cushion Pressure:

Water Salinity:

ppm

Viscosity: Water Loss: 48.00 sec/qt

Gas Cushion Type:

bbl psig

ft

Water Loss: 7.18 in<sup>3</sup>
Resistivity: ohm.m

Salinity: 4100.00 ppm Filter Cake: 1.00 inches

**Recovery Information** 

Recovery Table

 Length ft
 Description
 Volume bbl

 30.00
 OSM 100m
 0.148

Total Length:

30.00 ft

Total Volume:

0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

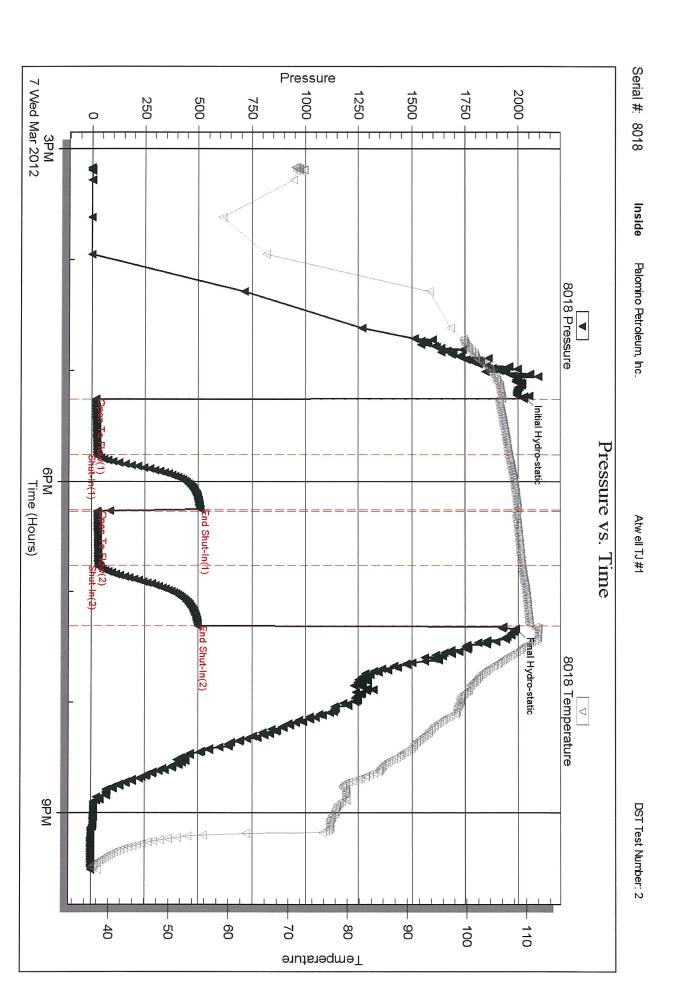
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

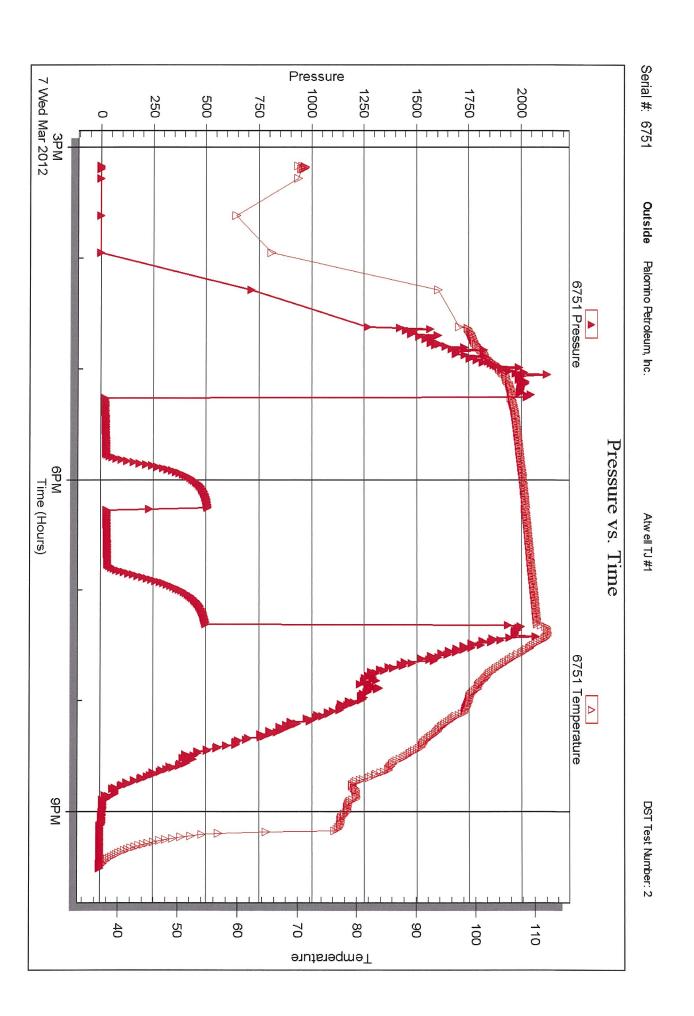
Trilobite Testing, Inc Ref. No: 45087 Printed: 2012.03.12 @ 15:49:53



Trilobite Testing, Inc

Ref. No: 45087

Printed: 2012.03.12 @ 15:49:54



Trilobite Testing, Inc

Ref. No: 45087

Printed: 2012.03.12 @ 15:49:54



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St. Newton, KS 67114

ATTN: Pat Balthazor

#### Atwell TJ #1

## S26-17s-27w Lane, KS

Start Date: 2012.03.08 @ 11:37:00 End Date: 2012.03.08 @ 17:38:20 Job Ticket #: 45088 DST #: 3

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

Printed: 2012.03.12 @ 15:48:50



Palomino Petroleum, Inc.

4924 SE 84th St. New ton, KS 67114

ATTN: Pat Balthazor

S26-17s-27w Lane, KS

Atwell TJ #1

Job Ticket: 45088

DST#: 3

Test Start: 2012.03.08 @ 11:37:00

## GENERAL INFORMATION:

Formation:

Marmaton

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:51:40 Time Test Ended: 17:38:20

Interval:

4194.00 ft (KB) To 4354.00 ft (KB) (TVD)

Total Depth: 4354.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations:

Test Type: Conventional Bottom Hole (Reset)

KB to GR/CF:

Chuck Smith

2583.00 ft (CF) 10.00 ft

2593.00 ft (KB)

Serial #: 6751 Outside

Press@RunDepth:

30.92 psig @

4199.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2012.03.08 11:37:02 End Date: End Time: 2012.03.08 17:38:19 Last Calib.:

Tester:

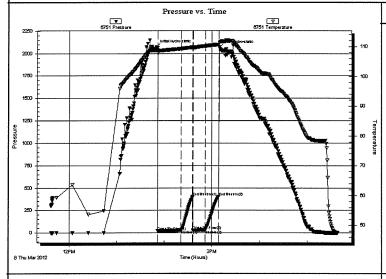
Unit No:

2012.03.08

Time On Btm: Time Off Btm: 2012.03.08 @ 13:49:40 2012.03.08 @ 15:09:20

TEST COMMENT: 3/4 " Blow.

No return. No blow. No return.



## PRESSURE SUMMARY

THEOGOTE GOMMIZACT						
Time	Pressure	Temp	Annotation			
(Min.)	(psig)	(deg F)				
0	2071.27	108.75	Initial Hydro-static			
2	20.57	107.78	Open To Flow (1)			
31	27.53	109.35	Shut-In(1)			
46	400.89	109.81	End Shut-In(1)			
47	28.28	109.60	Open To Flow (2)			
62	30.92	110.24	Shut-ln(2)			
79	403.48	110.73	End Shut-In(2)			
80	2067.55	111.22	Final Hydro-static			
			i i			

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100m	0.15
* Recovery from n	nultiple tests	

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 45088 Printed: 2012.03.12 @ 15:48:51



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

4924 SE 84th St. New ton, KS 67114 S26-17s-27w Lane, KS

Atwell TJ #1

Job Ticket: 45088

DST#: 3

82000.00 lb

ATTN: Pat Balthazor

Test Start: 2012.03.08 @ 11:37:00

String Weight: Initial 82000.00 lb

Final

Tool Information

Drill Pipe: Length: 4071.00 ft Diameter: 3.80 inches Volume: 57.11 bbl Tool Weight: 2500.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: inches Volume: 0.00 bbl Weight set on Packer: 24000.00 lb Drill Collar: Length: 124.00 ft Diameter: 2.25 inches Volume: 0.61 bbl Weight to Pull Loose: 90000.00 lb Tool Chased Total Volume: 57.72 bbl 0.00 ft Drill Pipe Above KB: 28.50 ft

4194.00 ft Depth to Top Packer:

Depth to Bottom Packer: ft 160.00 ft Interval between Packers:

Tool Length: 187.50 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			4167.50		
Shut In Tool	5.00			4172.50		
Hydraulic tool	5.00			4177.50		
Jars	5.00			4182.50		
Safety Joint	2.50			4185.00		
Packer	5.00			4190.00	27.50	Bottom Of Top Packer
Packer	4.00			4194.00		
Stubb	1.00			4195.00		
Perforations	4.00			4199.00		
Recorder	0.00	8018	Inside	4199.00		
Recorder	0.00	6751	Outside	4199.00		
Perforations	25.00			4224.00		
Change Over Sub	1.00			4225.00		
Drill Pipe	125.00			4350.00		
Change Over Sub	1.00			4351.00		
Bullnose	3.00			4354.00	160.00	Bottom Packers & Anchor

**Total Tool Length:** 187.50

Trilobite Testing, Inc Ref. No: 45088 Printed: 2012.03.12 @ 15:48:52



**FLUID SUMMARY** 

Palomino Petroleum, Inc.

S26-17s-27w Lane, KS

4924 SE 84th St. New ton, KS 67114 Atwell TJ #1 Job Ticket: 45088

DST#: 3

ATTN: Pat Balthazor

Test Start: 2012.03.08 @ 11:37:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

Salinity:

Filter Cake:

9.00 lb/gal

Cushion Length:

Water Salinity:

ppm

Viscosity:

51.00 sec/qt 7.19 in<sup>3</sup>

Cushion Volume: Gas Cushion Type: bbl

ft

Water Loss: Resistivity: ohm.m

4100.00 ppm

1.00 inches

Gas Cushion Pressure:

psig

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
30.00	M 100m	0.148

Total Length:

30.00 ft

Total Volume:

0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 45088 Printed: 2012.03.12 @ 15:48:52

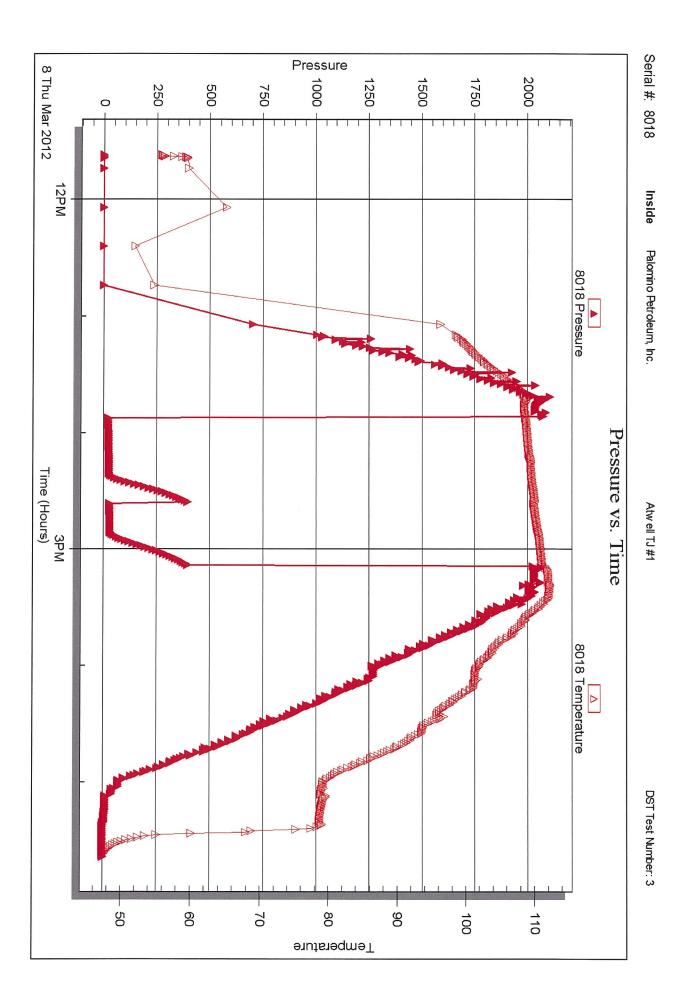
Temperature

Trilobite Testing, Inc

Ref. No:

45088

Printed: 2012.03.12 @ 15:48:52



Trilobite Testing, Inc

Ref. No: 45088

Printed: 2012.03.12 @ 15:48:54



Prepared For: Palomino Petroleum, Inc.

4924 SE 84th St. Newton, KS 67114

ATTN: Pat Balthazor

#### Atwell TJ #1

## S26-17s-27w Lane, KS

Start Date: 2012.03.10 @ 01:14:00 End Date: 2012.03.10 @ 09:19:09 Job Ticket #: 45089 DST #: 4

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

Printed: 2012.03.12 @ 15:47:57



Palomino Petroleum, Inc.

4924 SE 84th St. New ton, KS 67114

ATTN: Pat Balthazor

S26-17s-27w Lane, KS

Atwell TJ #1

Job Ticket: 45089

DST#: 4

Test Start: 2012.03.10 @ 01:14:00

#### GENERAL INFORMATION:

Formation:

Total Depth:

LKC 'A'

Deviated: No

Whipstock: ft (KB)

Time Tool Opened: 04:33:20

Time Test Ended: 09:19:09

Interval: 3890.00 ft (KB) To 3924.00 ft (KB) (TVD)

4545.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Tester:

Conventional Straddle (Reset)

Chuck Smith

Unit No:

Reference Elevations:

2593.00 ft (KB)

2583.00 ft (CF)

KB to GR/CF:

10.00 ft

Serial #: 8018 Inside

Press@RunDepth:

Start Date:

Start Time:

38.50 psig @ 2012.03.10

01:14:02

3904.00 ft (KB)

End Time:

2012.03.10 End Date:

Last Calib.:

Capacity:

8000.00 psig

2012.03.10

Time On Btm:

2012.03.10 @ 04:30:30

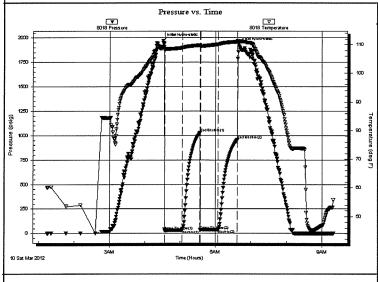
Time Off Btm:

09:19:10

2012.03.10 @ 06:39:00

TEST COMMENT: 1 3/4" Blow.

No return. Surface blow. No return.



## PRESSURE SUMMARY

The obstacle obtains and			
Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1972.63	109.11	Initial Hydro-static
3	27.27	108.54	Open To Flow (1)
34	33.77	108.91	Shut-In(1)
64	1030.53	109.84	End Shut-In(1)
64	35.03	109.24	Open To Flow (2)
94	38.50	110.16	Shut-In(2)
127	959.62	111.06	End Shut-In(2)
129	1932.75	111.07	Final Hydro-static

#### Recovery

Description	Volume (bbl)
M 100 m Oil spots in tool.	0.10
	•

#### Gas Rates

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

Ref. No: 45089 Printed: 2012.03.12 @ 15:47:58 Trilobite Testing, Inc



Palomino Petroleum, Inc.

4924 SE 84th St. Atwell TJ #1

New ton, KS 67114 Job Ticket: 45089

Test Start: 2012.03.10 @ 01:14:00 ATTN: Pat Balthazor

### GENERAL INFORMATION:

Formation:

LKC 'A'

Deviated: Whipstock: No

ft (KB)

Time Tool Opened: 04:33:20

Time Test Ended: 09:19:09

Interval: 3890.00 ft (KB) To 3924.00 ft (KB) (TVD)

4545.00 ft (KB) (TVD) Total Depth:

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Straddle (Reset)

Chuck Smith

S26-17s-27w Lane, KS

Unit No:

Tester:

Reference Elevations:

2593.00 ft (KB)

2583.00 ft (CF)

KB to GR/CF:

10.00 ft

DST#: 4

Serial #: 8357 Below (Straddle)

Press@RunDepth:

psig @

4542.00 ft (KB)

2012.03.10

Capacity: Last Calib.: 8000.00 psig

Start Date:

2012.03.10

End Date:

Time On Btm:

2012.03.10

Start Time:

01:14:02

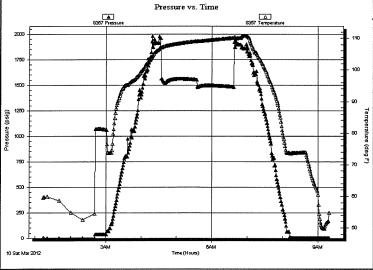
End Time:

09:19:30

Time Off Btm:

TEST COMMENT: 1 3/4" Blow.

No return. Surface blow. No return.



		Pl	RESSUR	E SUMMARY
Temperature (deg F)	Time (Min.)	Pressure (psig)	RESSUR Temp (deg F)	RE SUMMARY Annotation

Gas Rates

#### Recovery

Length (ft)	Description	Volume (bbl)		
20.00	M 100 m Oil spots in tool.	0.10		
* Recovery from m	* Recovery from multiple tests			

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

Ref. No: 45089 Printed: 2012.03.12 @ 15:47:58 Trilobite Testing, Inc.



Palomino Petroleum, Inc.

4924 SE 84th St. Atwell TJ #1

New ton, KS 67114

Job Ticket: 45089

S26-17s-27w Lane, KS

DST#: 4

ATTN: Pat Balthazor

Test Start: 2012.03.10 @ 01:14:00

#### **GENERAL INFORMATION:**

Formation:

LKC 'A'

Deviated:

Time Tool Opened: 04:33:20

Time Test Ended: 09:19:09

Whipstock: No

ft (KB)

Test Type: Conventional Straddle (Reset)

Tester:

Chuck Smith

Unit No: 37

2593.00 ft (KB)

3890.00 ft (KB) To 3924.00 ft (KB) (TVD) Interval:

Total Depth:

Reference Elevations:

2583.00 ft (CF)

Hole Diameter:

4545.00 ft (KB) (TVD) 7.88 inches Hole Condition: Good

KB to GR/CF:

10.00 ft

Serial #: 6751 Press@RunDepth: Outside

psig @

3904.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2012.03.10

End Date:

2012.03.10

Last Calib.:

2012.03.10

Start Time:

01:14:02

End Time:

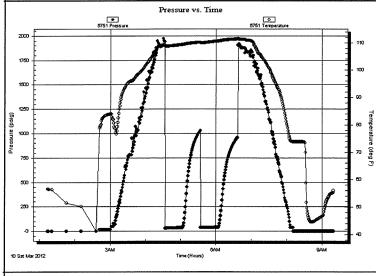
09:19:10

Time

Time On Btm: Time Off Btm:

TEST COMMENT: 1 3/4" Blow.

No return. Surface blow. No return.



## PRESSURE SUMMARY

Pressure Temp Annotation

(Min.)	(psig)	(deg F)	Amotation
	:		

#### Recovery

Description	Volume (bbl)
M 100 m Oil spots in tool.	0.10

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 45089 Printed: 2012.03.12 @ 15:47:58



**TOOL DIAGRAM** 

Palomino Petroleum, Inc.

S26-17s-27w Lane, KS Atwell TJ #1

4924 SE 84th St. New ton, KS 67114

Job Ticket: 45089

DST#:4

ATTN: Pat Balthazor

Test Start: 2012.03.10 @ 01:14:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar: Length:

Length: 3754.00 ft Diameter: 0.00 ft Diameter: 124.00 ft Diameter:

15.50 ft

3.80 inches Volume: inches Volume: 2.25 inches Volume:

Total Volume:

52.66 bbl 0.00 bbl 0.61 bbl

53.27 bbl

Tool Weight: Weight set on Packer: 32000.00 lb

5500.00 lb

Tool Chased

Weight to Pull Loose: 95000.00 lb

String Weight: Initial 86000.00 lb

0.00 ft

86000.00 lb Final

Depth to Top Packer: Depth to Bottom Packer: Interval between Packers:

Drill Pipe Above KB:

3890.00 ft 3924.00 ft 34.00 ft

682.50 ft

2

Diameter:

6.75 inches

Number of Packers:

Tool Comments:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3863.50		
Shut In Tool	5.00			3868.50		
Hydraulic tool	5.00			3873.50		
Jars	5.00			3878.50		
Safety Joint	2.50			3881.00		
Packer	5.00			3886.00	27.50	Bottom Of Top Packer
Packer	4.00			3890.00		
Stubb	1.00			3891.00		
Perforations	13.00			3904.00		
Recorder	0.00	8018	Inside	3904.00		
Recorder	0.00	6751	Outside	3904.00		
Perforations	16.00			3920.00		
Blank Off Sub	1.00			3921.00		
top of s pack	3.00			3924.00	34.00	Tool Interval
Packer	0.00			3924.00		
Stubb	1.00			3925.00		
Perforations	16.00			3941.00		
Change Over Sub	1.00			3942.00		
Drill Pipe	599.00			4541.00		
Change Over Sub	1.00			4542.00		
Recorder	0.00	8357	Below	4542.00		
Bullnose	3.00			4545.00	621.00	Bottom Packers & Anchor

**Total Tool Length:** 

682.50

Trilobite Testing, Inc Ref. No: 45089 Printed: 2012.03.12 @ 15:47:59



**FLUID SUMMARY** 

Palomino Petroleum. Inc.

\$26-17s-27w Lane, KS

4924 SE 84th St. New ton, KS 67114 Atwell TJ #1 Job Ticket: 45089

ft

bbl

psig

DST#: 4

ATTN: Pat Balthazor

Test Start: 2012.03.10 @ 01:14:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Mud Weight:

Viscosity:

9.00 lb/gal

50.00 sec/qt 7.98 in<sup>3</sup>

Water Loss: Resistivity: ohm.m

Salinity: 5500.00 ppm Filter Cake: 1.00 inches Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Oil API: Water Salinity: deg API ppm

**Recovery Information** 

Recovery Table

Volume Length Description bbl 20.00 M 100 m Oil spots in tool. 0.098

Total Length:

20.00 ft

Total Volume:

0.098 bbl

Num Fluid Samples: 0

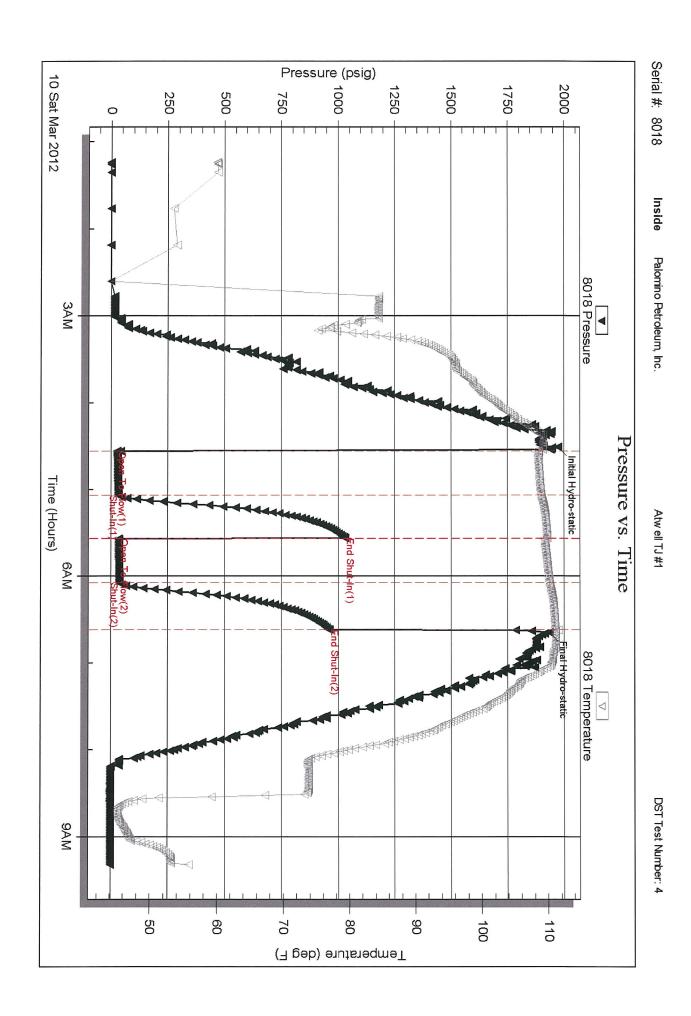
Num Gas Bombs: 0 Laboratory Location:

Serial #:

Laboratory Name:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 45089 Printed: 2012.03.12 @ 15:47:59

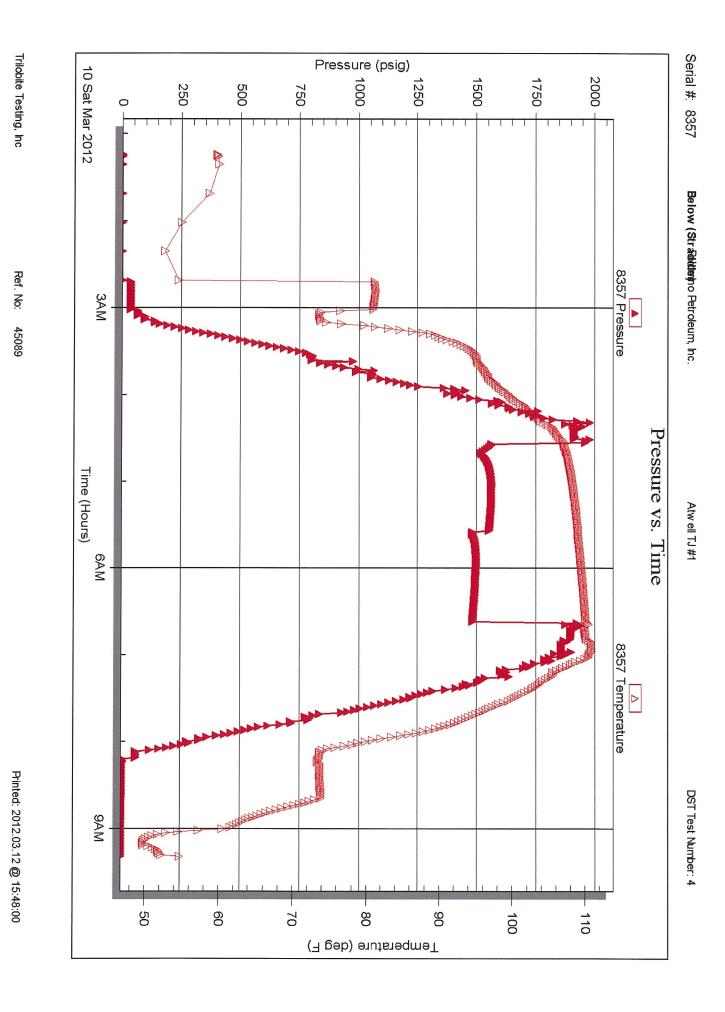


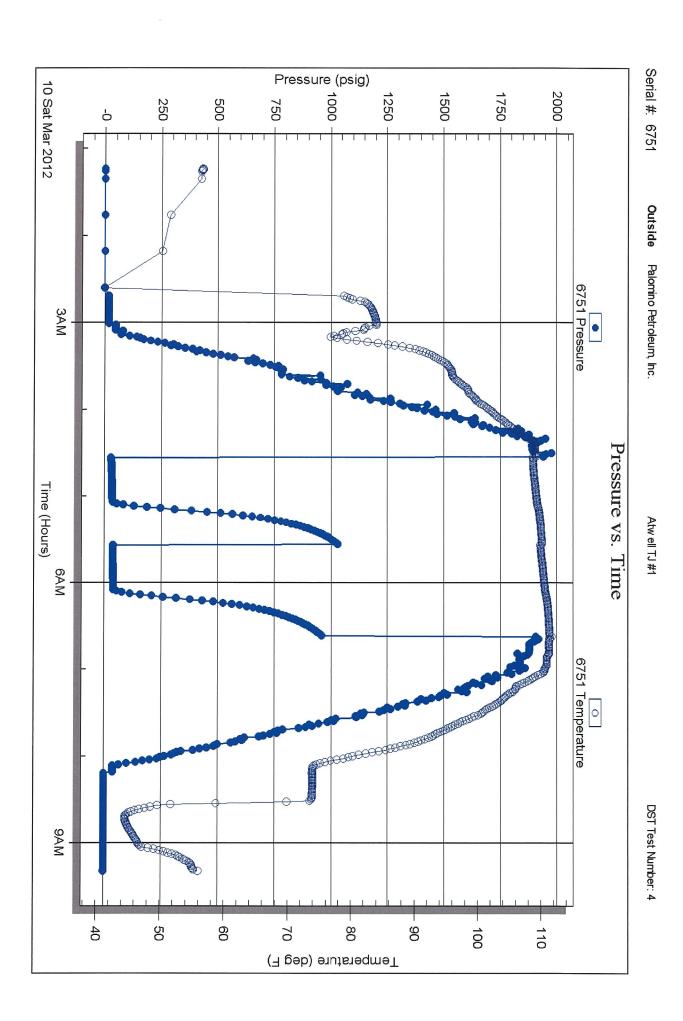
Trilobite Testing, Inc

Ref. No:

45089

Printed: 2012.03.12 @ 15:48:00





Trilobite Testing, Inc

Ref. No: 45089

Printed: 2012.03.12 @ 15:48:01



# RILOBITE ESTING INC. P.O. Box 1733 • Hays, Kansas 67601 MAR 1 0 2012 Test Ticket NO. 45086

4/10		1(				
Well Name & No.	Aiwell TJ#1	8Y:	Test No.	/ Da	ate 3-6-	12
Company Par	lomino Petroleum, In	c	Elevation _2	593	кв <i>_ 2583</i>	GL
Address 492	4 SE 84th St. Newto	n, KS 67114				
Co. Rep / Geo	at Balzalaer		Rig <u>Pickre</u>	11 =1		
Location: Sec	26 Twp	Rge. 27v C	o. Lane		State	5
	4088 - 41.55	Zone Tested				
Anchor Length	•	Drill Pipe Run	3943	Muc	d Wt	0
Top Packer Depth	4084	Drill Collars Run	124		50	
Bottom Packer Depth		Wt. Pipe Run	0	WL	7,6	•
Total Depth	111 ~ ~	Chlorides	800 ppm 9	System LCN	м/_	-
Blow Description _<						
L	Veak surface return	died @ 5 min				
	3" Blow.					
$\Lambda$	o return.					
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of OCM	*	%gas c	√ %oil	%water	98 %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec Total	О ВНТ //4			F Ch	nlorides	
(A) Initial Hydrostatic_	/99/	X Test 1225			ion $\frac{8}{190}$	
	/6	M Jars <u>250</u>			21	4 - 4
(C) First Final Flow _	43	✓ Safety Joint 75		T-Open	231	
(D) Initial Shut-In	662	Circ Sub NC			1;	
(E) Second Initial Flow	N45	☐ Hourly Standby				
(F) Second Final Flow	v65	Mileage 86RT	120.40			
(G) Final Shut-In	656	☐ Sampler				
(H) Final Hydrostatic	1971	☐ Straddle		☐ Ruined	I Shale Packer_	
	<b>~</b>	☐ Shale Packer		☐ Ruined	l Packer	
Initial Open	30	☐ Extra Packer		☐ Extra (	Copies	
Initial Shut-In	30	☐ Extra Recorder		Sub Total	Ø	
Final Flow	30	☐ Day Standby		Total	£70.40	
Final Shut-In		☐ Accessibility		MP/DST	Disc't	
	10	Sub Total 1670.4	10	(i) 1	1.,	

Approved By Los actions and 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 and the property of 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 and the property of personnel of the property or personnel in the hole shall be paid for at cost by the party for whom the test is made.



# RILOBITE ESTING INC. P.O. Box 1733 • Hays, Kansas 67601

MAR 1 0 2012 No. 45087

## **Test Ticket**

4/10	P.O. Box 1733 • Hays	s, Kansas 67601				
Mall Nama & No.	twell TT#	010	Test No.	2 D	ate <u>3-7-</u>	12
Company Palami	16 Petroleum, In	C.	Elevation _ 🖔	593	кв <u>2583</u>	GL_GL
Address 4974	SE 84th St. No	EWTON KS 671	114			
De Berisses Pa	+ Bolzolaes		Rig Pic	Krell #/8		
Location: Sec. 20	6 Twp	Rge. 27w	co Lan	E	State	15
	156 - 4260		LKC "K-			
Anchor Length			4037		d Wt	3
	152		124		48	
	156		0			)
			4/00 ppm		м/	
	260 1" Blow	Onionaes		,	•	
Blow Description 3/4	seturn.					
	blow.					
	return.					
	et of		%gas	%oil	%water	%mud
	et of		%gas	%oil	%water	%mud
	et of <i>OSM</i>		%gas	%oil	%water	100 %mud
	et of		%gas	%oil	%water	%mud
	et of		%gas	%oil	%water	%mud
30	внт _///	Gravity	API RW@	°F C	hlorides	ppm
	2028	A Test 122			tion	
(B) First Initial Flow	19	A Jars 25	-	T-Started	15	
(C) First Final Flow	21	Safety Joint		T-Open	101	216
(D) Initial Shut-In	Min	△ Circ Sub	N/C	T-Pulled _		
(E) Second Initial Flow		☐ Hourly Standby			21:3	
(F) Second Final Flow	f 100.	-	1RT 120.40		S	
(G) Final Shut-In	498					
(H) Final Hydrostatic		•		-	d Shale Packer_	
					d Packer	
Initial Open	30				Copies	
Initial Shut-In			r		<u>(</u> 5	
Final Flow					(p.10.11)	
	30	•			Disc't	
<u></u>	7	-	70.40		Λ	
1 - 0 (	< -			000	11 .1	

Our Representative\_ 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 seven to be shall be paid for at cost by the party for whom the test is made.



# RILOBITE ESTING INC.

MAR 1 0 2012

## **Test Ticket**

NO. 45088

P.O. Box 1733 • Hays, Kansas 67601

1			0	<i>-</i>	
Well Name & No. Atwell TJ zd/					12
Company Palomino Petroleum,	,		2593	кв_ <i>258</i>	3GL
Address 4924 SE 84th St.	Newton, KS 6	7114		1	
Co. Rep/Geo. Pat Balzalaer	7	Rig <i>P</i>	ickrell #1	/	17:
Location: Sec. <u>26</u> Twp. <u>17s</u>	Rge	. Co	ne	State/	KS
Interval Tested 4/94-4354	Zone Tested	Mar	maton		
Anchor Length	Drill Pipe Run	4071	/	Mud Wt.	7.1
Top Packer Depth	Drill Collars Run	,	<i>i i</i>	Vis5/	,
Bottom Packer Depth	Wt. Pipe Run	Ô	)	WL	2
Total Depth 4354	Chlorides	4100 F	pm System	LCMTro	ice
Blow Description 3/4 "Blow.					
No seturn					
No blow.					
No setusa					
Rec Feet of		%gas	%oil	%water	%mud
RecSO Feet of		%gas	%oil	%water	100 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total BHT _///_				F Chlorides	1
(A) Initial Hydrostatic 2071	X Test 1225			ocation//	
(B) First Initial Flow 2/		-		ted	
(C) First Final Flow 28	Safety Joint 75	/		n <i> 3;</i> ed <i> 5;</i>	
(D) Initial Shut-In	🖄 Circ Sub	,		17%	
(E) Second Initial Flow	☐ Hourly Standby		Comm	nents	
(F) Second Final Flow 3/	🛭 Mileage <u>84R</u> 7	12040			
(G) Final Shut-In	☐ Sampler				
(H) Final Hydrostatic	☐ Straddle		— □ Rı	ined Shale Packer_	
20	☐ Shale Packer		— · □ Rı	uined Packer	
Initial Open 30	☐ Extra Packer		— □ Ex	tra Copies	
Initial Shut-In	☐ Extra Recorder			otal Ø	
Final Flow	☐ Day Standby		Total_	1670,40	
Final Shut-In	☐ Accessibility		MP/D	ST Disc't	
Dar an	Sub Total 1670	40	- Orn	1 1 -1	
Approved By  Trilobite Testing Inc. shall not be liable for damaged of any kind of the proper		Representative st is made, or for any		ained, directly or indirectly, th	nrough the use of its



# RILOBITE ESTING INC.

MAR 1 2 2012

## **Test Ticket**

NO. 45089

P.O. Box 1733 • Hays, Kansas 67601

4/10	BY			- 0	
			4	Date	
Company Palomino Perroleum, Inc	٤,	_ Elevation _	2593	кв_ <i>2583</i>	GL
Address 4924 SE 84Th St. A	lewton KS 67114	/			
Co. Rep/Geo. Pat Balthazor		_Rig <i>Pic</i>	ckrell#/		
Location: Sec	Rge. 27w (	Co	ne	State	(5
Interval Tested 3890 - 3924			'A'		
			4	Mud Wt.	4
Alichor Length	Drill Collars Run		-	Vis50.	
Top Packer Depth 3896	Wt. Pipe Run	^		wL 8,0	
Bottom Packer Depth 3924	Chlorides		ppm System	LCM Trace	
Total Depth 4545	Chlorides		,		
Blow Description 13/4" Blow					
No return,					
Surface blow.					
No seturn,		%gas	%oil	%water	%mud
Rec         Feet of           Rec         20           Feet of         0 i/	spots in tool.	%gas	%oil	%water	/00 %mud
	/	%gas	%oil	%water	%mud
Rec         Feet of		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
Rec Feet of	Gravity AF		@	°F Chlorides	ppm
nec iotai	☐ Test 1225	_		Location 23	00
(A) Initial Hydrostatic	Jars 250			rted/;/	14
(B) First Initial Flow 27 (C) First Final Flow 34	Safety Joint	E-ser	T-Op	en	
(C) Flist I flat flow	Circ Sub	/		lled 6:3	-
(b) militar oriot	(		T-Ou	t9:/	9
(E) Second Initial Flow 39	☐ Hourly Standby Mileage <u>SOC</u>		Com	ments	
(r) Second final flow	,				
(G) Final Shut-In	Sampler				
(H) Final Hydrostatic/133	Straddle Looo			Ruined Shale Packer	
20	☐ Shale Packer			Ruined Packer	
Initial Open30	☐ Extra Packer			Extra Copies Total	
Initial Shut-In30	Extra Recorder			0/110 10	
Final Flow30	Day Standby 4/4	rs. Hady	,		
Final Shut-In30	Accessibility		MP	/DST Disc't	
	Sub Total 2270	,40		1 1	