



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1099675

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

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				

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

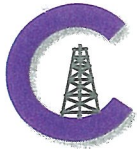
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Elza 1
Doc ID	1099675

Tops

Name	Top	Datum
Anhy.	1836	+543
Base Anhy.	1872	+507
Heebner	3650	-1271
Lansing	3690	-1311
Stark Shale	3919	-1540
BKC	3968	-1589
Pawnee	4112	-1733
Ft. Scott	4182	-1803
Cherokee	4208	-1829
Miss.	4270	-1891
LTD	4398	-2019



CONSOLIDATED
Oil Well Services, LLC

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

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

RECEIVED
OCT 15 2012

INVOICE

Invoice # 253579

Invoice Date: 10/12/2012 Terms: 10/10/30,n/30 Page 1

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

ELZA #1
37213
12-15-26
10-09-2012
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	17.6500	2912.25
1102	CALCIUM CHLORIDE (50#)	465.00	.8900	413.85
1118B	PREMIUM GEL / BENTONITE	310.00	.2500	77.50

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-340.36
9995-130	CEMENT EQUIPMENT DISCOUNT	-180.34

Description	Hours	Unit Price	Total
T-118 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
T-118 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.00	200.00
T-129 TON MILEAGE DELIVERY	1.00	518.40	518.40

Amount Due 5480.99 if paid after 11/11/2012

Parts:	3403.60	Freight:	.00	Tax:	246.59	AR	4932.89
Labor:	.00	Misc:	.00	Total:	4932.89		
Sublt:	-520.70	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 37213

LOCATION Oakley, KS

FOREMAN Walt Drake

Miles Shaw

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-9-12	6285	E12a #1	12	15 ^s	26 ^w	Boone
CUSTOMER <u>Palomina Petroleum, Inc</u>			Collier			
MAILING ADDRESS			165			
CITY			1W			
STATE			1S			
ZIP CODE			1W			
			1S			
			W.S.			
TRUCK #	DRIVER	TRUCK #	DRIVER			
456-T118	Jerry Yates					
530-T129	Tim Wareham					

JOB TYPE Sur Face HOLE SIZE 12 1/4 HOLE DEPTH 217' CASING SIZE & WEIGHT 8 5/8 - 23#
 CASING DEPTH 216' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Safety Meeting, rig up on W-W #10, circ casing on bottom
mixed 165 sls com, 3%cc - 2%cl, Displaco 12.5 H₂O, shut in
Cement Did Circ

Thanks You
Miles - Walt & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1085 ⁰⁰	1,085 ⁰⁰
5406	40	MILEAGE	5 ⁰⁰	200 ⁰⁰
1104S	165 sls	Class A Cement	17 ⁶⁵	2,912 ²⁵
1102	465 #	Calcium Chloride	189	413.85
1118B	310 #	Gel	25	77.50
5407A	7.76	Ton Mileage Delivery	167	518.40
				5,207 ⁰⁰
Less 10% Disc				- 520.70
				4,686 ³⁰
SALES TAX				246.59
ESTIMATED TOTAL				4932.89

Completed

Ravin 8737

AUTHORIZATION [Signature] TITLE Toolpusher DATE 10-9-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

752270

SWIFT



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



Invoice

DATE	INVOICE #
10/16/2012	23481

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

RECEIVED
OCT 20 2012

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Elza	Gove	WW Drilling #10	Oil	Development	5-1/2" LongString	Jason
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	6.00	240.00
578D-L	Pump Charge - Long String - 4400 Feet				1	Job	1,500.00	1,500.00
403-5	5 1/2" Cement Basket				2	Each	250.00	500.00T
404-5	5 1/2" Port Collar - 1810 Feet				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
409-5	5 1/2" Turbolizer				10	Each	90.00	900.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
276	Flocele				57	Lb(s)	2.00	114.00T
283	Salt				500	Lb(s)	0.20	100.00T
284	Calseal				5	Sack(s)	35.00	175.00T
285	CFR-1				50	Lb(s)	4.00	200.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
325	Standard Cement				100	Sacks	13.50	1,350.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	16.50	2,062.50T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				457.34	Ton Miles	1.00	457.34
	Subtotal							11,843.84
	Sales Tax Gove County						8.05%	740.32

We Appreciate Your Business!

Total

\$12,584.16



Services, Inc.

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

TICKET No 23481

PAGE 1 OF 2

SERVICE LOCATION # <u>1. Ness City, KS</u>	WELL/PROJECT NO.	LEASE <u>ELZA #1</u>	COUNTY/PARISH <u>GOVE.</u>	STATE <u>KS.</u>	CITY <u>WITICA, KS.</u>	DATE <u>16 Oct 12</u>	OWNER
	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>WWD DRILLING #10</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
	WELL TYPE <u>DLC</u>	WELL CATEGORY <u>DEV/WORKOVER</u>	JOB PURPOSE <u>56kore string-</u>	WELL PERMIT NO.	WELL LOCATION <u>40 to 60 line 4/4 west</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT								
575				MILEAGE #115		40	mi			6.00	240.00
578				PUMP CHANGE		1	CS	4400	FT.	1500.00	1500.00
4103				CEMENT BASKET		2	EA			250.00	500.00
4104				PORT COLLAR		1	EA.	1810	FT.	240.00	240.00
4106				LATCH DOWN PLUG & Baffle		1	EA.			250.00	250.00
4107				INSERT FLOAT BATH W/ AUTO FILL		1	EA.			350.00	350.00
4109				TURBIDIZERS		1	DEA			90.00	90.00
281				MUD FLUSH		5	gal			1.25	6.25
221				MUD RCL		4	gal			25.00	100.00

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

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

X
 DATE SIGNED 17 Oct 12 TIME SIGNED 0615 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	11,843.84
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4978	84	
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	12,584.16	

SWIFT OPERATOR [Signature] APPROVAL [Signature]
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 Thank You!



Swissman, Inc.

PO Box 466

Ness City, KS 67560

Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 23481

CUSTOMER PALMIND PETROLEUM

WELL ELZA B1

DATE 7/6 OCT 12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.				UNIT PRICE	AMOUNT		
		LOC	ACCT	DE			QTY.	UM	QTY.	UM				
276						ELOCCE	57	As			2.10	114.00		
283						SALT	500	lbs			1.20	100.00		
284						CAUSEAL	5	15X			35.00	175.00		
285						QFR-1	50	lbs			4.00	200.00		
290						B-AIR	2	gal			35.00	70.00		
325						STANDARD CEMENT EA2	100	15X			13.50	1350.00		
330						SWIFT MULN DENSITY	125	5X			16.50	2062.50		
581						SERVICE CHARGE					225.5x	4570.00		
583						MILEAGE CHARGE					2886.7	457.34		
							LOADED MILES	40						
							TOTAL WEIGHT	2886.7						
							TON MILES	457.34						
CONTINUATION TOTAL												4978.84		

JOB LOG

SWIFT Services, Inc.

DATE 17 OCT 12 PAGE NO.

CUSTOMER PALOMINO PETROLEUM WELL NO. LEASE ELZA # 1 JOB TYPE 32 LONGSTRING TICKET NO. 23481

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							ON LOCATION
	0205							START PIPE 5 1/2 - 14 # RTD @ 4400 SAFE JT. 3D. 97 CENTRALIZERS. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 BASKETS. 2, 62 PORT COLLAR TOP OF JT. # 62 @ 1810
	0400							DROP BALL - CIRCULATE
	0454	6 1/2	12				300	Pump 500 gal mud FLUSH
		6 1/2	20				300	Pump 20 Bbl KCL FLUSH
	0459		7					PLUG RA (30sx)
	0504	6 1/2	36					MIX 95 sx SMD
			24					MIX 100 sx EA2
	0518							WASH OUT Pump & LINES.
	0522	6 1/2						START DISPLACING PLUG.
	0540	8	106 1/2				1500	PLUG DOWN PSI up - LATCH PLUG IN
	0543							RELEASE PSI - DRY
	0545							WASH TRUCK
	0630							JOB COMPLETE
								TRANKS # 115
								JASON JEFF FLINT



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



Invoice

DATE	INVOICE #
10/25/2012	23452

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

RECEIVED

NOV 01 2012

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Elza	Trego	Cheyenne Well Se...	Oil	Development	Cement Port Collar	David
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	6.00	240.00
576D-D	Pump Charge - Port Collar				1	Job	1,250.00	1,250.00
104	Port Collar Tool Rental				1	Each	250.00	250.00T
107	Stripper Head Rental Per Day				1	Each	250.00	250.00T
330	Swift Multi-Density Standard (MIDCON II)				160	Sacks	16.50	2,640.00T
276	Flocele				50	Lb(s)	2.00	100.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
581D	Service Charge Cement				200	Sacks	2.00	400.00
583D	Drayage				398.04	Ton Miles	1.00	398.04
	Subtotal							5,598.04
	Sales Tax Trego County						6.80%	225.08
Total								\$5,823.12



Services, Inc.

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

TICKET NO 23452

PAGE 1 OF 1

1. SERVICE LOCATION: Ness City KS WELL/PROJECT NO: A1 LEASE: Eliza COUNTY/PARISH: Trego STATE: KS CITY: Atiwa DATE: 10-25-12 OWNER: Same

2. TICKET TYPE: SERVICE CONTRACTOR: Cheyenne Well Service RIG NAME/NO.: CT SHIPPED VIA: CT DELIVERED TO: Location ORDER NO.: Well Permit No.

3. WELL TYPE: OTL WELL CATEGORY: Development JOB PURPOSE: Cement Port Collar WELL LOCATION: Whelan KS, 94E, 8N, W10

4. REFERRAL LOCATION: Development INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
585											6.00	240.00
576 D					Trk #112						1250.00	1250.00
104					Pump Charge - Port Collar		1	job			250.00	250.00
107					Port Collar Tool Rental		1	job			250.00	250.00
330					Stripper Head Rental		1	day			250.00	250.00
276					SMD Cement		1/4	lbs		160	50	160.00
290					Floacle		2	gal		50	16	2.00
					D-Air					2	35.00	70.00
581					Service Charge Cement					200	2.00	400.00
583					Drayage		19	lbs		378.04	1.00	378.04

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

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

DATE SIGNED: 10-25-12 TIME SIGNED: 11:00
 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				5598.00
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		

TOTAL 5823.16

SWIFT OPERATOR: David Whelan APPROVAL: Thank You

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

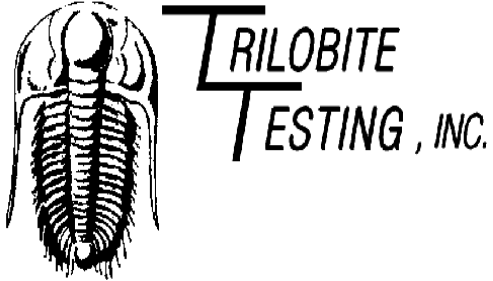
JOB LOG

SWIFT Services, Inc.

DATE 10-25-12 PAGE NO.

CUSTOMER Palomine WELL NO. #1 LEASE Eiza JOB TYPE Cement Port Collar TICKET NO. 23452

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								Port Collar @ 1800 2 3/8" x 5 1/2"
								200 sks SMD w 1/4" floccule
	0930							on location
	1030					1000		PSI Test well Hold
	1107							Open Port Collar
	1109	3			✓	400		Injection Rate
	1115	3 1/2	8		✓	300		mix 160 sks SMD w 1/4" Flo
		3 1/2	8		✓	300		Fluid to Surface
		3 1/2	88			200		→ Cement to Surface ← { 20 sks to pit } { 160 sks mixed }
		3 1/2	6					Displacement
	1147					1000		Close Port Collar → Hold
								Run 5jts
	1155		20					Reverse clean - 2 cement plugs -
								wash up truck
	1240							Job Complete
								Thank you Dave Blaine TJ Doug



DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Elza #1

12-15s-26w Gove,KS

Start Date: 2012.10.13 @ 13:49:15

End Date: 2012.10.13 @ 19:01:45

Job Ticket #: 47944 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.18 @ 11:49:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 47944

DST#: 1

ATTN: Nick Gerstner

Test Start: 2012.10.13 @ 13:49:15

GENERAL INFORMATION:

Formation: **Lansing "H-I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:05

Time Test Ended: 19:01:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3833.00 ft (KB) To 3895.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 3895.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8354

Inside

Press @ Run Depth: 31.11 psig @ 3872.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.13

End Date: 2012.10.13

Last Calib.: 2012.10.13

Start Time: 13:59:15

End Time: 19:01:45

Time On Btm: 2012.10.13 @ 15:31:45

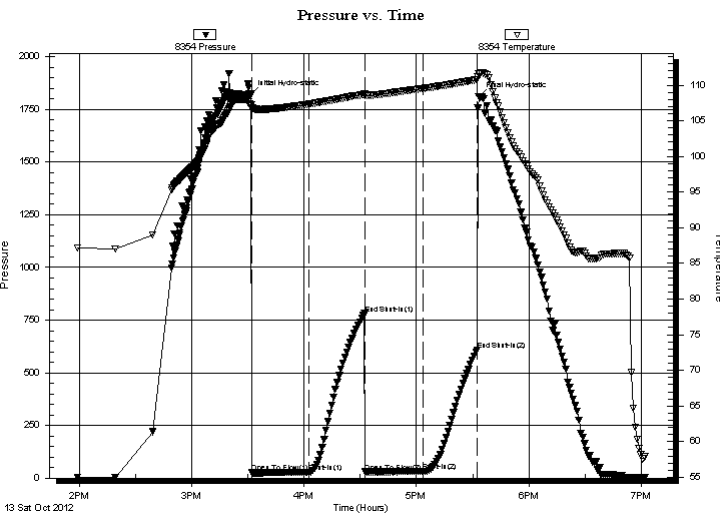
Time Off Btm: 2012.10.13 @ 17:33:15

TEST COMMENT: IF- Weak surface blow . Died @ 9 minutes.

ISI-No Return.

FF-No Blow .

FSI-No Return.



PRESSURE SUMMARY

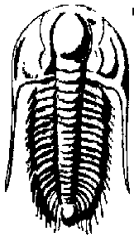
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.59	107.22	Initial Hydro-static
1	26.42	106.63	Open To Flow (1)
31	27.01	107.34	Shut-In(1)
61	780.58	108.72	End Shut-In(1)
61	29.11	108.57	Open To Flow (2)
92	31.11	109.53	Shut-In(2)
121	606.83	110.76	End Shut-In(2)
122	1811.02	111.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	100%Mud	0.04

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

ATTN: Nick Gerstner

Job Ticket: 47944

DST#: 1

Test Start: 2012.10.13 @ 13:49:15

GENERAL INFORMATION:

Formation: **Lansing "H-I"**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 15:32:05

Tester: Dustin Rash

Time Test Ended: 19:01:45

Unit No: 38

Interval: 3833.00 ft (KB) To 3895.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 3895.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: psig @ 3872.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.13

End Date:

2012.10.13

Last Calib.:

2012.10.13

Start Time: 13:59:55

End Time:

19:01:25

Time On Btm:

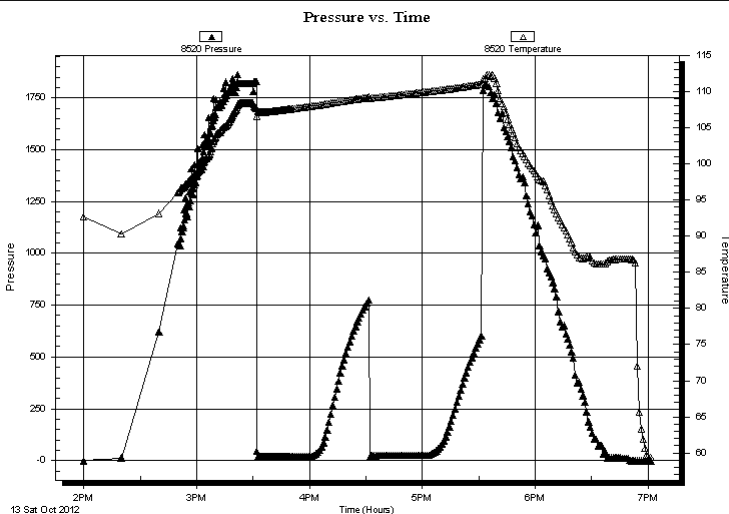
Time Off Btm:

TEST COMMENT: IF- Weak surface blow . Died @ 9 minutes.

ISI- No Return.

FF- No Blow .

FSI- No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
8.00	100%Mud	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 47944

DST#: 1

ATTN: Nick Gerstner

Test Start: 2012.10.13 @ 13:49:15

Tool Information

Drill Pipe:	Length: 3698.00 ft	Diameter: 3.80 inches	Volume: 51.87 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 5000.00 lb
			<u>Total Volume: 52.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3833.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3806.00	
Shut In Tool	5.00			3811.00	
Hydraulic tool	5.00			3816.00	
Jars	5.00			3821.00	
Safety Joint	3.00			3824.00	
Packer	5.00			3829.00	28.00 Bottom Of Top Packer
Packer	4.00			3833.00	
Stubb	1.00			3834.00	
Perforations	5.00			3839.00	
Change Over Sub	1.00			3840.00	
Drill Pipe	31.00			3871.00	
Change Over Sub	1.00			3872.00	
Recorder	0.00	8354	Inside	3872.00	
Recorder	0.00	8520	Outside	3872.00	
Perforations	20.00			3892.00	
Bullnose	3.00			3895.00	62.00 Bottom Packers & Anchor
Total Tool Length:	90.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 47944

DST#: 1

ATTN: Nick Gerstner

Test Start: 2012.10.13 @ 13:49:15

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	100%Mud	0.039

Total Length: 8.00 ft Total Volume: 0.039 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

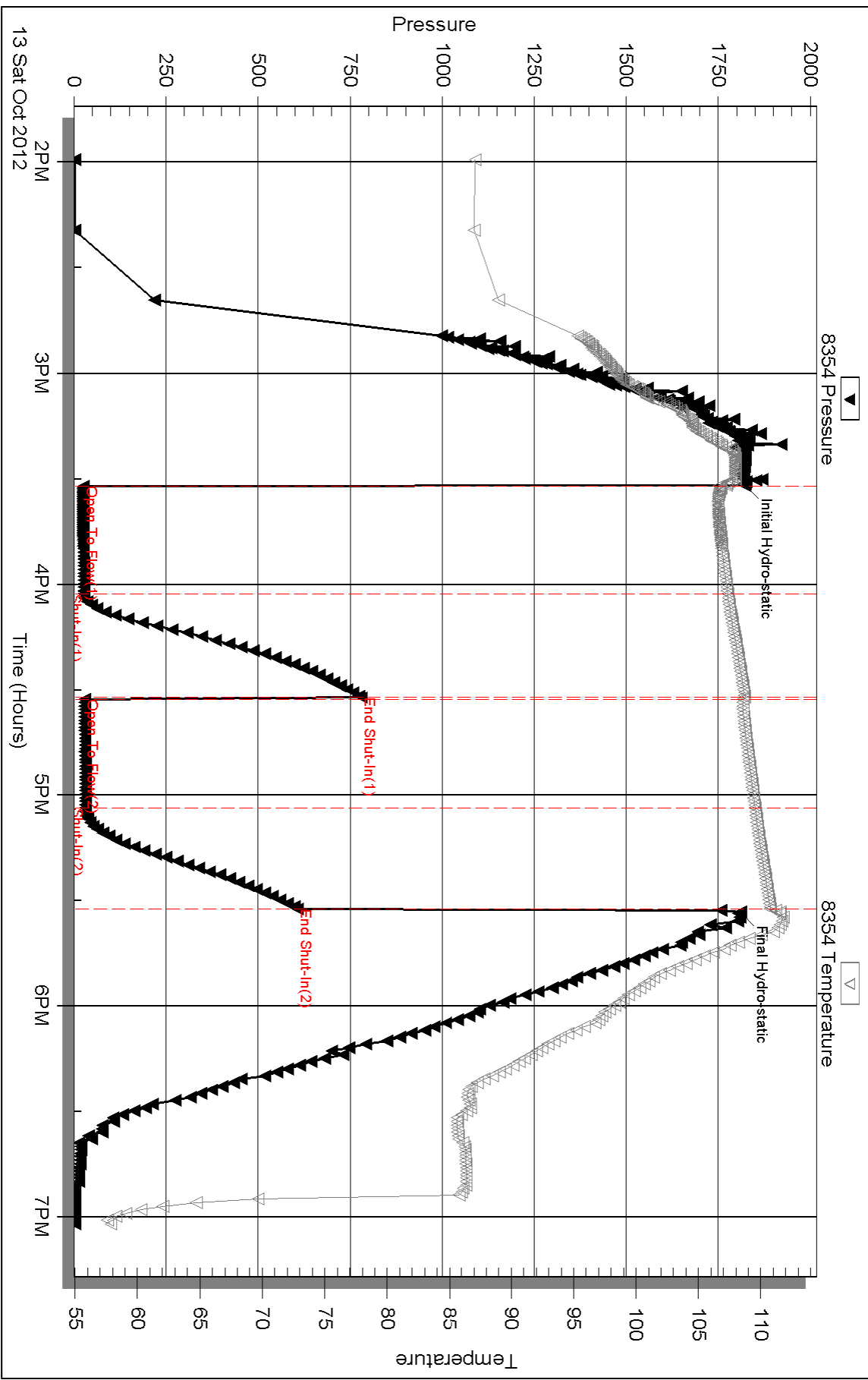
Inside

Palomino Petroleum, Inc.

Eza #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47944

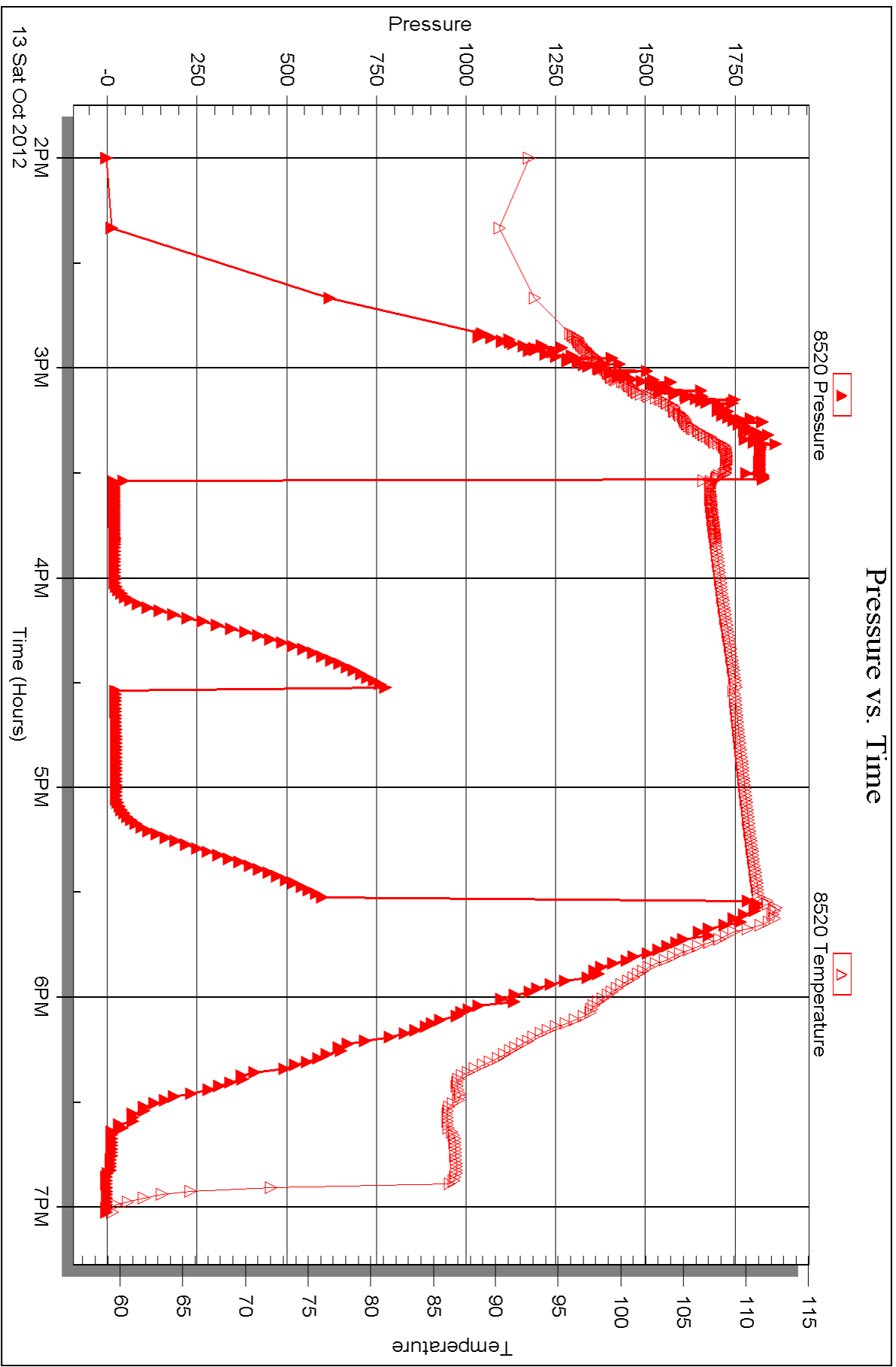
Printed: 2012.10.18 @ 11:49:52

Serial #: 8520

Outside Palomino Petroleum, Inc.

Eza #1

DST Test Number: 1





DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Elza #1

12-15s-26w Gove,KS

Start Date: 2012.10.14 @ 08:02:00

End Date: 2012.10.14 @ 13:14:00

Job Ticket #: 51009 DST #: 2

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

Printed: 2012.10.18 @ 11:49:00



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51009

DST#: 2

ATTN: Nick Gerstner

Test Start: 2012.10.14 @ 08:02:00

GENERAL INFORMATION:

Formation: **Lansing "K-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:37:40

Time Test Ended: 13:14:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 3916.00 ft (KB) To 4005.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 4005.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 75.25 psig @ 3986.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.14

End Date:

2012.10.14

Last Calib.: 2012.10.14

Start Time: 08:12:00

End Time:

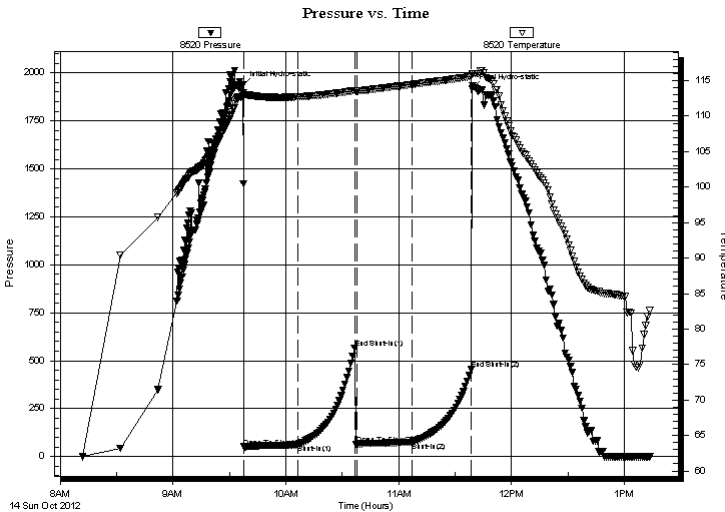
13:14:00

Time On Btm: 2012.10.14 @ 09:37:20

Time Off Btm: 2012.10.14 @ 11:39:00

TEST COMMENT: 30 - IF- 2" Blow .
30 - IS- No blow back.
30 - FF- 5" blow
30 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1935.76	113.30	Initial Hydro-static
1	51.05	112.70	Open To Flow (1)
30	62.60	112.72	Shut-In(1)
60	567.27	113.60	End Shut-In(1)
61	65.18	113.53	Open To Flow (2)
90	75.25	114.46	Shut-In(2)
122	454.26	115.59	End Shut-In(2)
122	1918.86	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	GOCM, 20%G, 20%O, 60%M	0.31

* 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.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51009

DST#: 2

ATTN: Nick Gerstner

Test Start: 2012.10.14 @ 08:02:00

Tool Information

Drill Pipe:	Length: 3794.00 ft	Diameter: 3.80 inches	Volume: 53.22 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3916.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3889.00	
Shut In Tool	5.00			3894.00	
Hydraulic tool	5.00			3899.00	
Jars	5.00			3904.00	
Safety Joint	3.00			3907.00	
Packer	5.00			3912.00	28.00 Bottom Of Top Packer
Packer	4.00			3916.00	
Stubb	1.00			3917.00	
Perforations	5.00			3922.00	
Change Over Sub	1.00			3923.00	
Drill Pipe	62.00			3985.00	
Change Over Sub	1.00			3986.00	
Recorder	0.00	8354	Inside	3986.00	
Recorder	0.00	8520	Outside	3986.00	
Perforations	16.00			4002.00	
Bullnose	3.00			4005.00	89.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51009

DST#: 2

ATTN: Nick Gerstner

Test Start: 2012.10.14 @ 08:02:00

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
64.00	GOCM, 20%G, 20%O, 60%M	0.315

Total Length: 64.00 ft Total Volume: 0.315 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

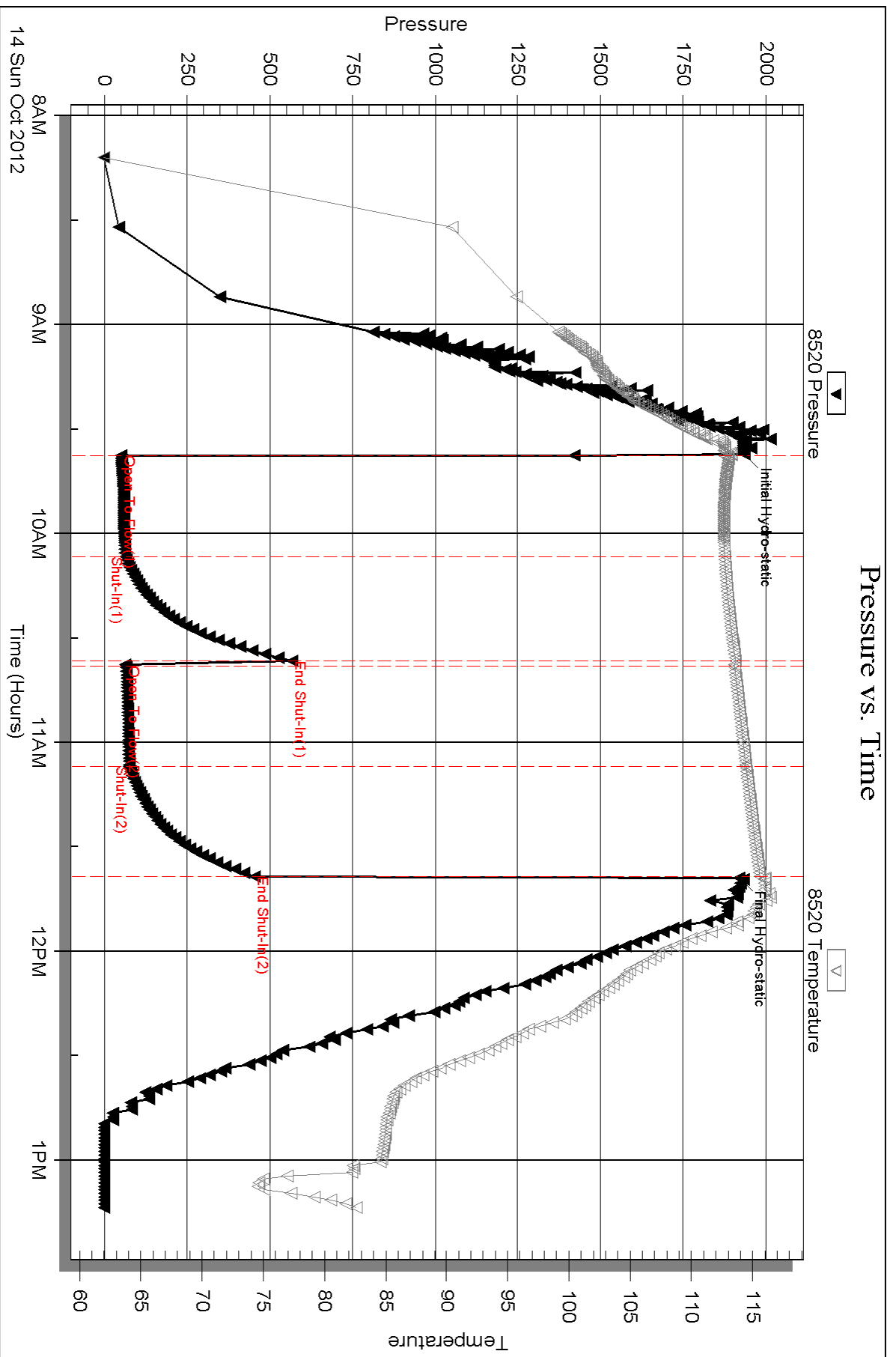
Recovery Comments:

Serial #: 8520

Outside Palomino Petroleum, Inc.

Eza #1

DST Test Number: 2



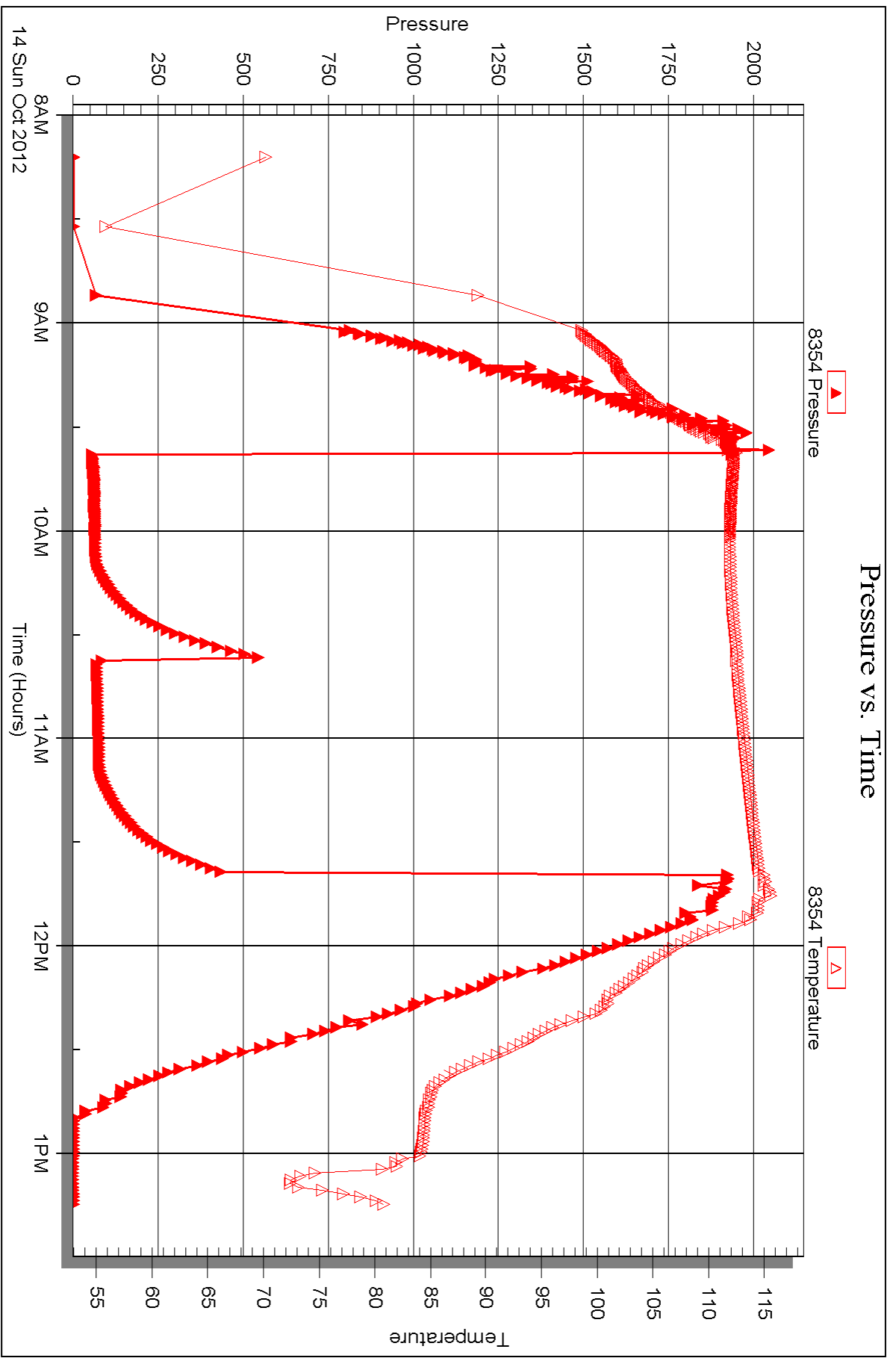
Serial #: 8354

Inside

Palomino Petroleum, Inc.

Eza #1

DST Test Number: 2





DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Elza #1

12-15s-26w Gove,KS

Start Date: 2012.10.15 @ 12:43:00

End Date: 2012.10.15 @ 19:25:00

Job Ticket #: 51010 DST #: 3

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

Printed: 2012.10.18 @ 11:48:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51010

DST#: 3

ATTN: Nick Gerstner

Test Start: 2012.10.15 @ 12:43:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:29:40

Time Test Ended: 19:25:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 4227.00 ft (KB) To 4289.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 4289.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 102.95 psig @ 4266.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.15

End Date:

2012.10.15

Last Calib.:

2012.10.15

Start Time: 12:53:00

End Time:

19:25:00

Time On Btm:

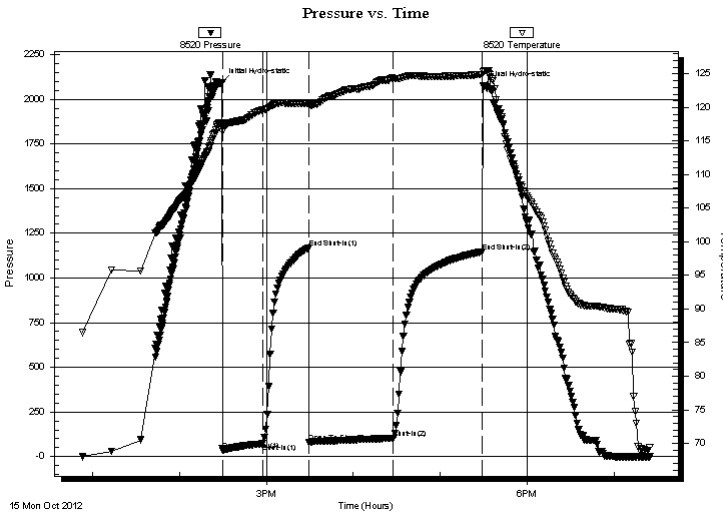
2012.10.15 @ 14:29:20

Time Off Btm:

2012.10.15 @ 17:29:30

TEST COMMENT: 30 - IF- 4" blow
30 - IS- No blow back
60 - FF- 4" blow .
60 - FS- Surface blow , fading in and out.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.82	117.74	Initial Hydro-static
1	36.90	117.06	Open To Flow (1)
29	73.22	119.66	Shut-In(1)
60	1166.90	120.68	End Shut-In(1)
61	82.43	120.37	Open To Flow (2)
119	102.95	124.33	Shut-In(2)
180	1146.99	124.93	End Shut-In(2)
181	2079.00	125.36	Final Hydro-static

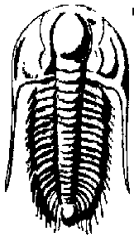
Recovery

Length (ft)	Description	Volume (bbl)
169.00	GHOCM, 5%G, 35%O, 60%M	1.24
0.00	77' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51010

DST#: 3

ATTN: Nick Gerstner

Test Start: 2012.10.15 @ 12:43:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:29:40

Time Test Ended: 19:25:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: **4227.00 ft (KB) To 4289.00 ft (KB) (TVD)**

Reference Elevations: 2381.00 ft (KB)

Total Depth: 4289.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8354 Inside

Press @ RunDepth: psig @ 4266.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.15

End Date: 2012.10.15

Last Calib.: 2012.10.15

Start Time: 12:53:00

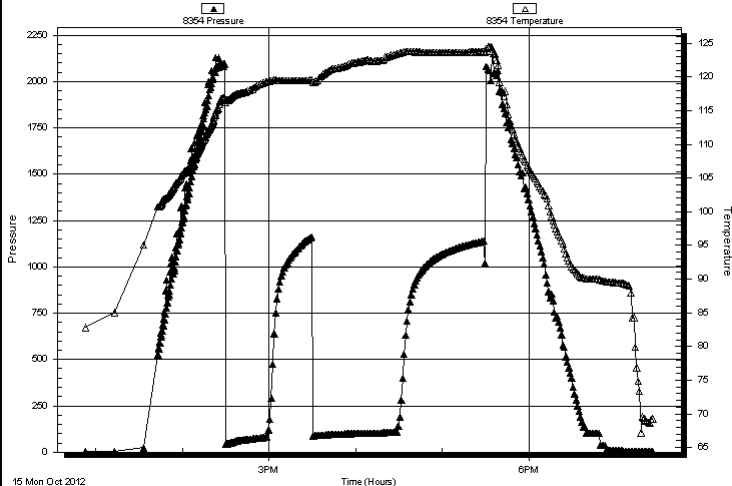
End Time: 19:25:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF- 4" blow
30 - IS- No blow back
60 - FF- 4" blow .
60 - FS- Surface blow , fading in and out.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
169.00	GHOCM, 5%G, 35%O, 60%M	1.24
0.00	77' of G.I.P.	0.00

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.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51010

DST#: 3

ATTN: Nick Gerstner

Test Start: 2012.10.15 @ 12:43:00

Tool Information

Drill Pipe:	Length: 4108.00 ft	Diameter: 3.80 inches	Volume: 57.62 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	73000.00 lb
			<u>Total Volume: 58.23 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4227.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	62.00 ft				
Tool Length:	90.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4200.00	
Shut In Tool	5.00			4205.00	
Hydraulic tool	5.00			4210.00	
Jars	5.00			4215.00	
Safety Joint	3.00			4218.00	
Packer	5.00			4223.00	28.00 Bottom Of Top Packer
Packer	4.00			4227.00	
Stubb	1.00			4228.00	
Perforations	5.00			4233.00	
Change Over Sub	1.00			4234.00	
Drill Pipe	31.00			4265.00	
Change Over Sub	1.00			4266.00	
Recorder	0.00	8354	Inside	4266.00	
Recorder	0.00	8520	Outside	4266.00	
Perforations	20.00			4286.00	
Bullnose	3.00			4289.00	62.00 Bottom Packers & Anchor
Total Tool Length:	90.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51010

DST#: 3

ATTN: Nick Gerstner

Test Start: 2012.10.15 @ 12:43:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
169.00	GHOCM, 5%G, 35%O, 60%M	1.241
0.00	77' of G.I.P.	0.000

Total Length: 169.00 ft Total Volume: 1.241 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

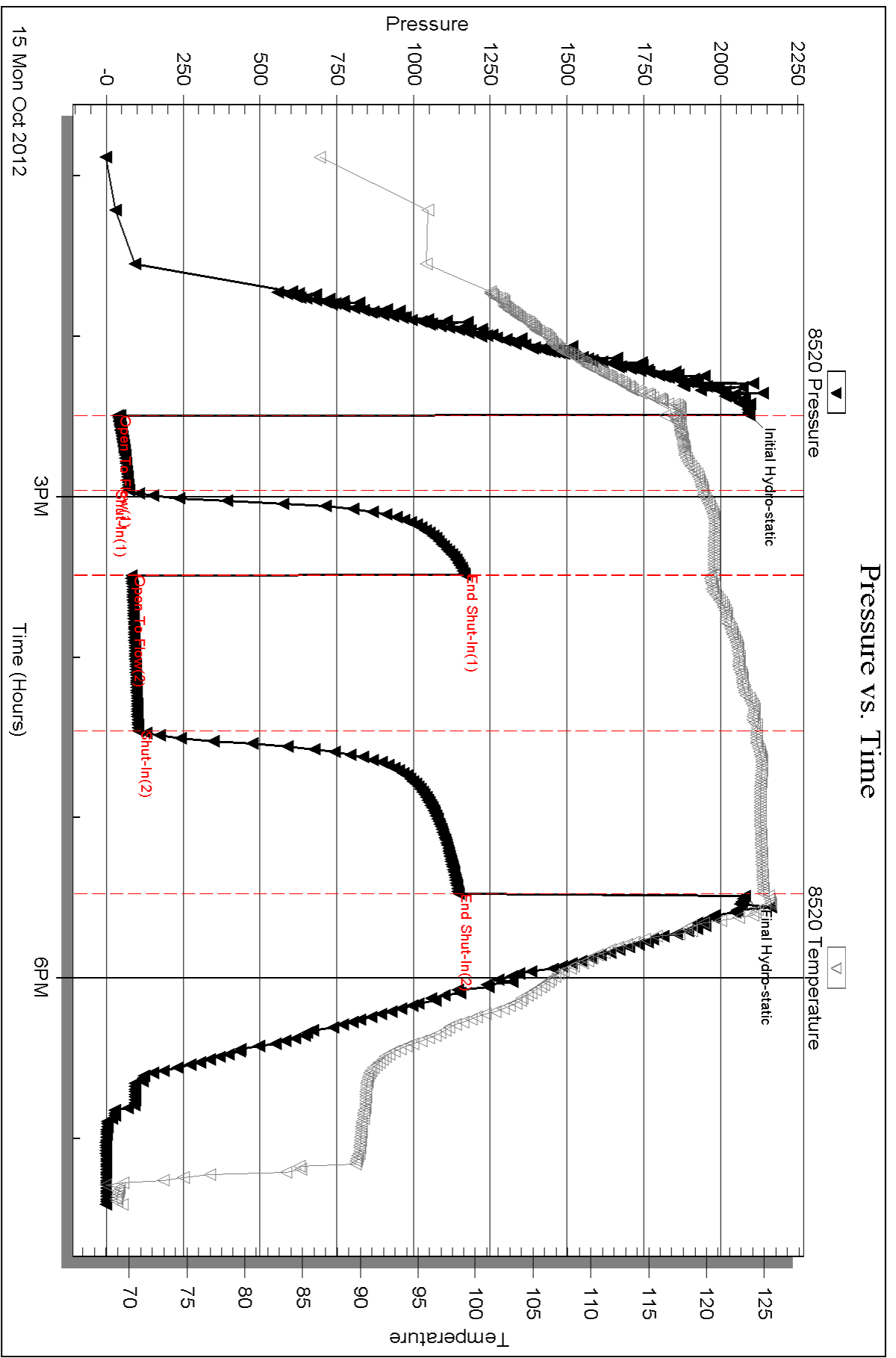
Recovery Comments:

Serial #: 8520

Outside Palomino Petroleum, Inc.

Eza #1

DST Test Number: 3



15 Mon Oct 2012

Triobite Testing, Inc

Ref. No: 51010

Printed: 2012.10.18 @ 11:48:12

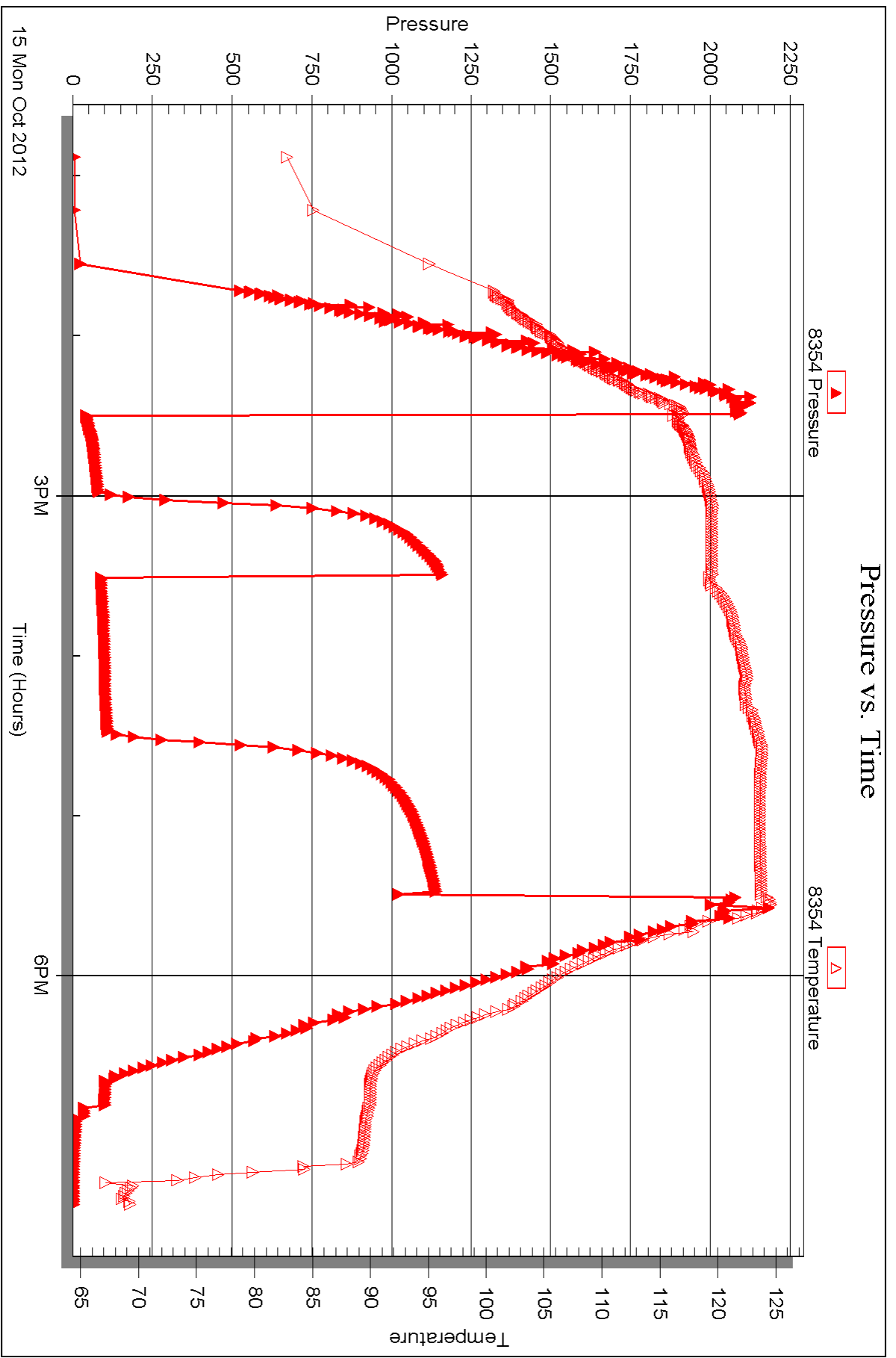
Serial #: 8354

Inside

Palomino Petroleum, Inc.

Eza #1

DST Test Number: 3





DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Elza #1

12-15s-26w Gove,KS

Start Date: 2012.10.16 @ 00:36:00

End Date: 2012.10.16 @ 06:17:30

Job Ticket #: 51011 DST #: 4

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

Printed: 2012.10.18 @ 11:47:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51011

DST#: 4

ATTN: Nick Gerstner

Test Start: 2012.10.16 @ 00:36:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:27:00

Time Test Ended: 06:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 4291.00 ft (KB) To 4299.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 4299.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 75.06 psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.16

End Date:

2012.10.16

Last Calib.:

2012.10.16

Start Time: 00:46:00

End Time:

06:17:30

Time On Btm:

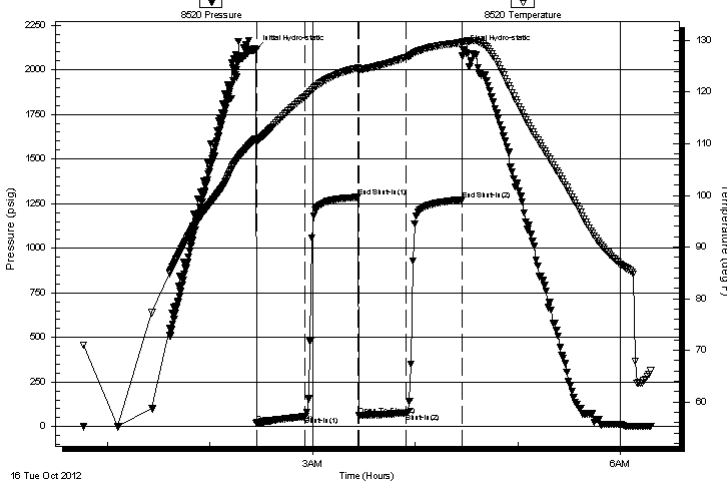
2012.10.16 @ 02:26:50

Time Off Btm:

2012.10.16 @ 04:28:00

TEST COMMENT: 30 - IF- 5" blow
30 - IS- Surface blow back
30 - FF- 7" blow
30 - FS- Surface blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2114.43	110.99	Initial Hydro-static
1	20.06	110.20	Open To Flow (1)
29	57.15	119.18	Shut-In(1)
60	1286.29	124.70	End Shut-In(1)
61	62.73	124.38	Open To Flow (2)
88	75.06	126.73	Shut-In(2)
121	1270.71	129.55	End Shut-In(2)
122	2113.29	129.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	HOCM, 40%O, 60%M	1.04
60.00	GO, 40%O, 60%G	0.84
0.00	248' of G.I.P.	0.00

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: Nick Gerstner

12-15s-26w Gove,KS

Elza #1

Job Ticket: 51011

DST#: 4

Test Start: 2012.10.16 @ 00:36:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:27:00

Time Test Ended: 06:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 4291.00 ft (KB) To 4299.00 ft (KB) (TVD)

Total Depth: 4299.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2381.00 ft (KB)

2376.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8354 Inside

Press @ Run Depth: psig @ 4296.00 ft (KB)

Start Date: 2012.10.16 End Date: 2012.10.16

Start Time: 00:46:00 End Time: 06:18:00

Capacity: 8000.00 psig

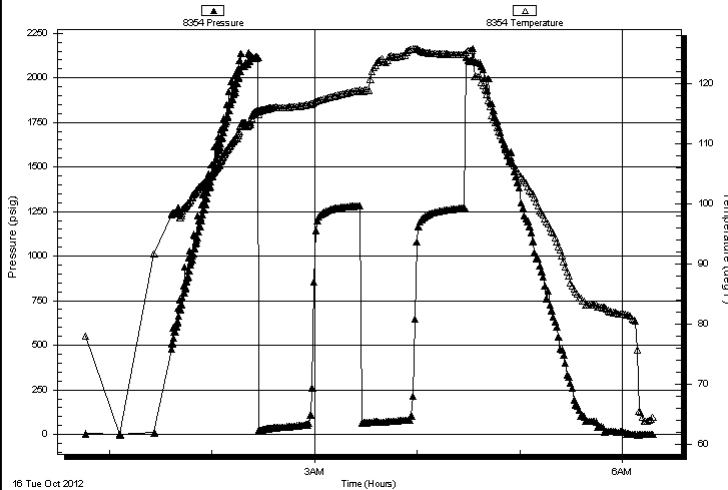
Last Calib.: 2012.10.16

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF- 5" blow
30 - IS- Surface blow back
30 - FF- 7" blow
30 - FS- Surface blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
155.00	HOCM, 40%O, 60%M	1.04
60.00	GO, 40%O, 60%G	0.84
0.00	248' of G.I.P.	0.00

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.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51011

DST#: 4

ATTN: Nick Gerstner

Test Start: 2012.10.16 @ 00:36:00

Tool Information

Drill Pipe:	Length: 4170.00 ft	Diameter: 3.80 inches	Volume: 58.49 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 59.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4291.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4264.00	
Shut In Tool	5.00			4269.00	
Hydraulic tool	5.00			4274.00	
Jars	5.00			4279.00	
Safety Joint	3.00			4282.00	
Packer	5.00			4287.00	28.00 Bottom Of Top Packer
Packer	4.00			4291.00	
Stubb	1.00			4292.00	
Perforations	4.00			4296.00	
Recorder	0.00	8354	Inside	4296.00	
Recorder	0.00	8520	Outside	4296.00	
Bullnose	3.00			4299.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51011

DST#: 4

ATTN: Nick Gerstner

Test Start: 2012.10.16 @ 00:36:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
155.00	HOCM, 40%O, 60%M	1.045
60.00	GO, 40%O, 60%G	0.842
0.00	248' of G.I.P.	0.000

Total Length: 215.00 ft Total Volume: 1.887 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

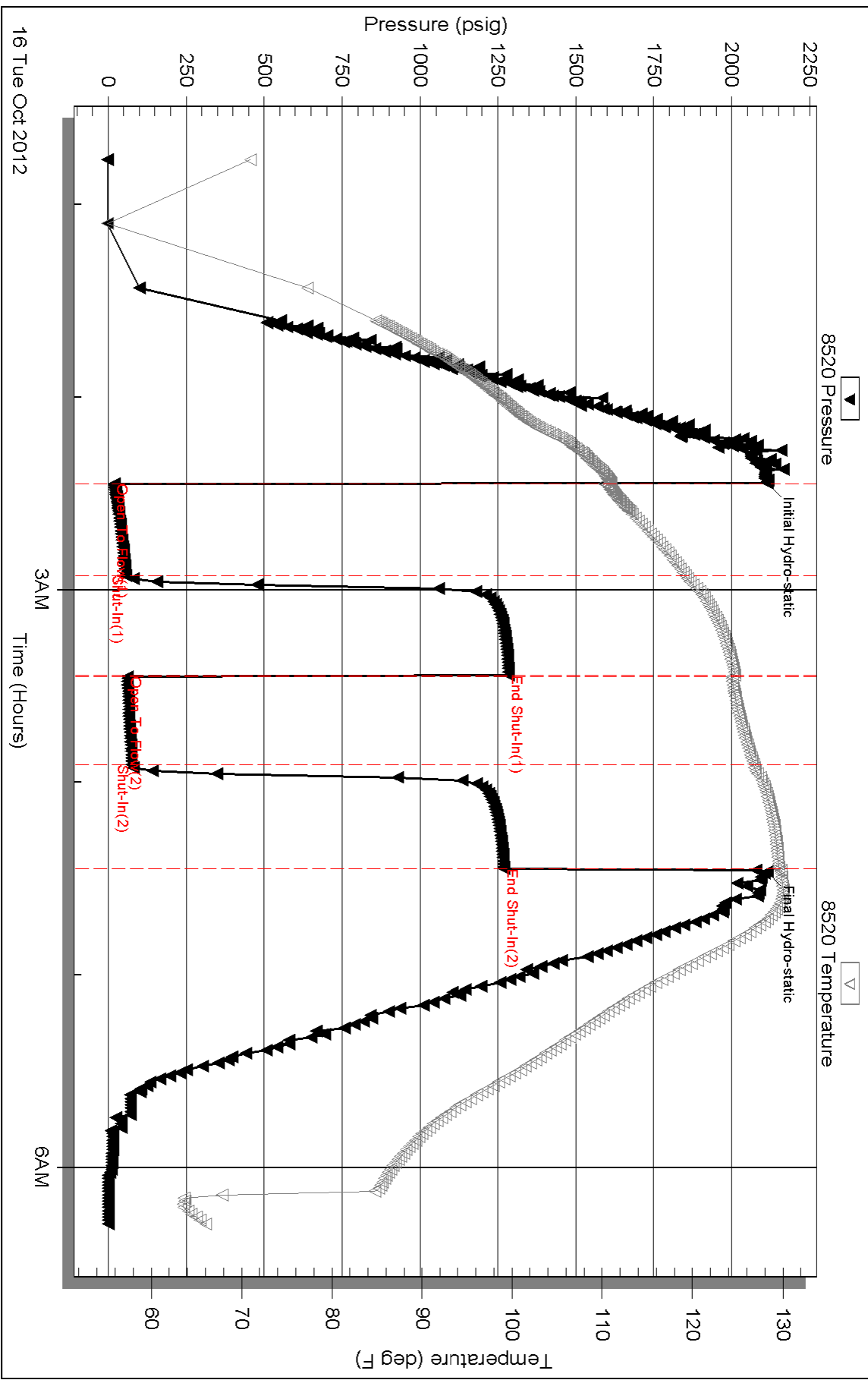
Serial #: 8520

Outside Palomino Petroleum, Inc.

Eza #1

DST Test Number: 4

Pressure vs. Time



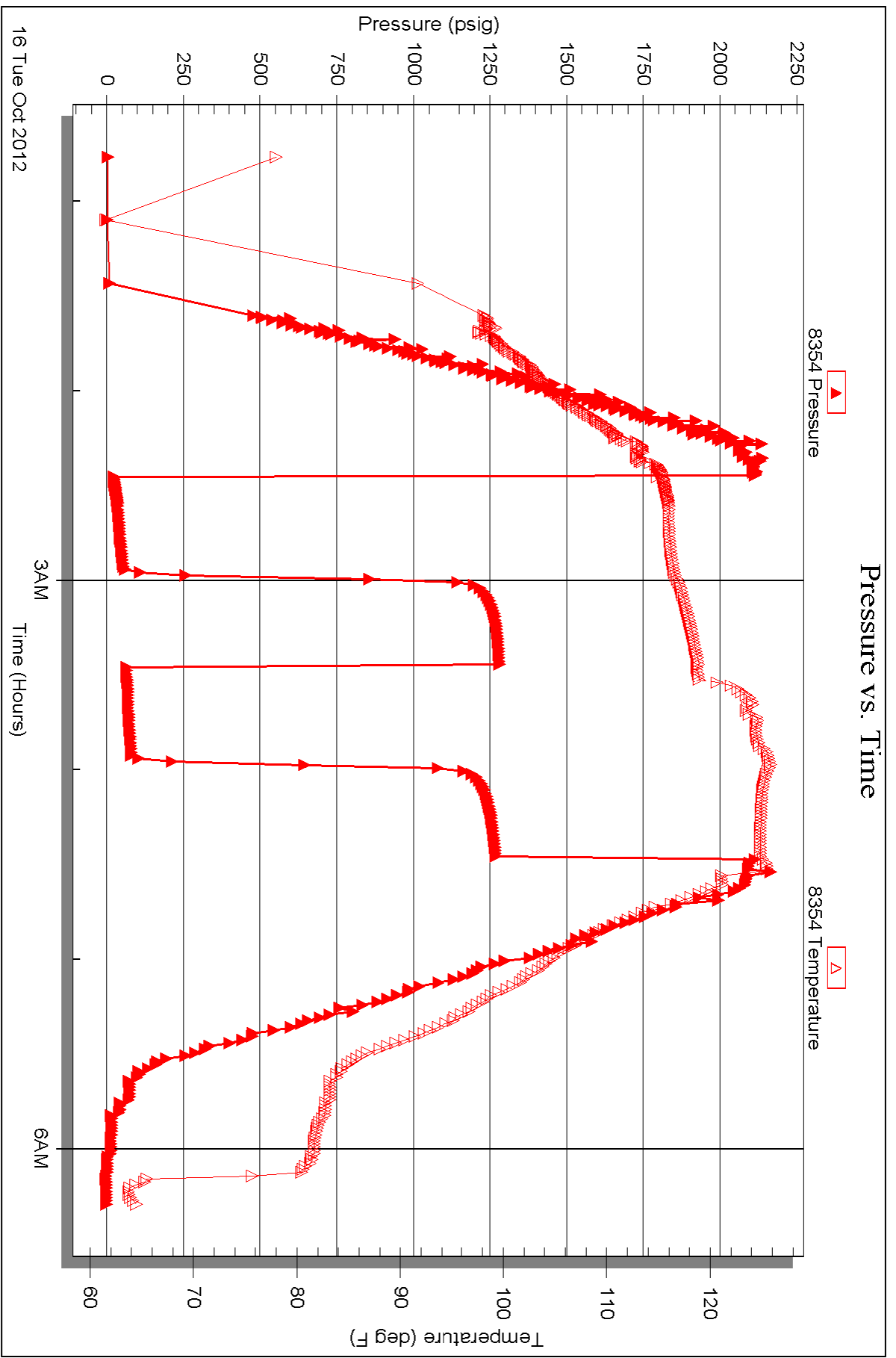
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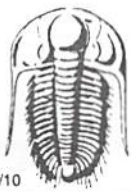
Inside

Palomino Petroleum, Inc.

Eza #1

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47944

Well Name & No. Elza #1 Test No. 1 Date 10-13-12
 Company Palomino Petroleum, Inc. Elevation 2381 KB 2376 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Nick Gelstner Rig NW #10
 Location: Sec. 12 Twp. 15S Rge. 26W Co. Cove State KS

Interval Tested 3833-3895 Zone Tested Lansing "H+I"
 Anchor Length 62' Drill Pipe Run _____ Mud Wt. 9.15
 Top Packer Depth 3828 Drill Collars Run 123.78 Vis 43
 Bottom Packer Depth 3833 Wt. Pipe Run 0 WL 7.6
 Total Depth 3895 Chlorides 3200 ppm System LCM 2#

Blow Description IF- Weak surface flow. Died @ 9 minutes.
VSI- No Return.
FF- No Blow
FBI- No Return.

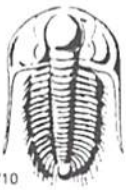
Rec	Feet of	%gas	%oil	%water	%mud
8	Mud			100	

Rec Total 8 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1823</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>1145</u>
(B) First Initial Flow <u>26</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1415</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1532</u>
(D) Initial Shut-In <u>781</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1735</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1900</u>
(F) Second Final Flow <u>31</u>	<input checked="" type="checkbox"/> Mileage <u>75x2</u> 118rt 182.90	Comments <u>Best- 1349</u>
(G) Final Shut-In <u>607</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1811</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1657.90</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1657.90</u>	

Approved By _____ Our Representative D. Kash

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. 51009

4/10

Well Name & No. Elza #1 Test No. 2 Date 10-14-12
 Company Palomino Petroleum, INC Elevation 2381 KB 2376 GL
 Address 4924 SE 84th St. Newton KS, 67114
 Co. Rep / Geo. Nick Gerstner Rig WW#10
 Location: Sec. 12 Twp. 15s Rge. 26w Co. Gove State KS

Interval Tested 3916 - 4005 Zone Tested "k-1"
 Anchor Length 89' Drill Pipe Run 3794 Mud Wt. 9.15
 Top Packer Depth 3911 Drill Collars Run 124 Vis 43
 Bottom Packer Depth 3916 Wt. Pipe Run — WL 7.6
 Total Depth 4005 Chlorides 3200 ppm System LCM 2#
 Blow Description IF-2" blow
ISI- No blow back
FF-5" blow
FSI- No blow back

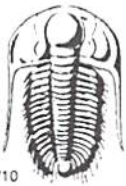
Rec	Feet of	%gas	%oil	%water	%mud
<u>64</u>	<u>GOCM</u>	<u>26</u>	<u>70</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 64 BHT 115° Gravity — API RW — @ —°F Chlorides — ppm

(A) Initial Hydrostatic <u>1935</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>7:38am</u>
(B) First Initial Flow <u>51</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:02am</u>
(C) First Final Flow <u>62</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:39am</u>
(D) Initial Shut-In <u>567</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:39am</u>
(E) Second Initial Flow <u>65</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:15pm</u>
(F) Second Final Flow <u>75</u>	<input checked="" type="checkbox"/> Mileage <u>150 RT</u> 182.90	Comments
(G) Final Shut-In <u>454</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1918</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>1757.90</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1757.90</u>	

Approved By _____ Our Representative Cody Blair

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. **51010**

4/10

Well Name & No. E/za #1 Test No. 3 Date 10-15-12
 Company Palomino Petroleum, Inc Elevation 2381 KB 2376 GL
 Address 4924 SE 84th St. Newton KS, 67114
 Co. Rep / Geo. Nick Gerstner Rig WW #10
 Location: Sec. 12 Twp. 15s Rge. 26w Co. Gove State KS

Interval Tested 4227 - 4289 Zone Tested MISS
 Anchor Length 62' Drill Pipe Run 4108 Mud Wt. 9.3
 Top Packer Depth 4222 Drill Collars Run 124 Vis 45
 Bottom Packer Depth 4227 Wt. Pipe Run — WL 7.0
 Total Depth 4289 Chlorides 3200 ppm System LCM —
 Blow Description IF-4" blow
IST- No blow back
FF-4" blow
FSI-surface blow

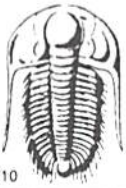
Rec	Feet of	%gas	%oil	%water	%mud
<u>169</u>	<u>GHO CM</u>	<u>5</u>	<u>35</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>77' of G.I.P.</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 169 BHT 1240 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2092</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:15 pm</u>
(B) First Initial Flow <u>36</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:43 pm</u>
(C) First Final Flow <u>73</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:30 pm</u>
(D) Initial Shut-In <u>1166</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>5:30 pm</u>
(E) Second Initial Flow <u>82</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:25 pm</u>
(F) Second Final Flow <u>102</u>	<input checked="" type="checkbox"/> Mileage <u>150 RT</u> <u>182.90</u>	Comments
(G) Final Shut-In <u>1146</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2079</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>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1757.90</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1757.90</u>	

Approved By _____ Our Representative Cody Bluedorn

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51011

Well Name & No. Elza #1 Test No. 4 Date 10-16-12
 Company Palomino Petroleum INC Elevation 2381 KB 2376 GL
 Address 4924 St 84th St. Newton KS, 67114
 Co. Rep / Geo. Nick Gerstner Rig WW#10
 Location: Sec. 12 Twp. 15S Rge. 26W Co. Gove State KS

Interval Tested 4291-4299 Zone Tested Miss
 Anchor Length 8' Drill Pipe Run 4170 Mud Wt. 9.3
 Top Packer Depth 4286 Drill Collars Run 124 Vis 45
 Bottom Packer Depth 4291 Wt. Pipe Run - WL 7.0
 Total Depth 4299 Chlorides 3200 ppm System LCM -
 Blow Description IF - 5" blow
ISI - surface blow back
FF - 7" blow
FSI - surface blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>HOCM</u>	<u>40</u>	<u>40</u>	<u>60</u>	
<u>60</u>	<u>60</u>	<u>60</u>	<u>40</u>		
	<u>248' of G.I.P.</u>				

Rec Total 215' BHT 1290 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2114</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:17am</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:36am</u>
(C) First Final Flow <u>57</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:28am</u>
(D) Initial Shut-In <u>1286</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>4:28am</u>
(E) Second Initial Flow <u>62</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>6:18am</u>
(F) Second Final Flow <u>75</u>	<input checked="" type="checkbox"/> Mileage <u>150RT X2 365.80</u>	Comments <u>Loaded tools 10-17-12</u>
(G) Final Shut-In <u>1270</u>	<input type="checkbox"/> Sampler	<u>@ 6:40pm</u>
(H) Final Hydrostatic <u>2113</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>800</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2740.80</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1940.80</u>	

Approved By _____ Our Representative Cody Bledsoe

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