



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1167386
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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

1167386

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

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

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

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

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

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

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Danfield21 1
Doc ID	1167386

Tops

Name	Top	Datum
Anhy.	2232	(+ 847)
Base Anhy.	2248	(+ 831)
Heebner	3915	(- 836)
Lansing	3964	(- 855)
BKC	4416	(-1336)
Marmaton	4444	(-1365)
Pawnee	4530	(-1451)
Ft. Scott	4559	(-1480)
Cherokee Sh.	4575	(-1496)
Miss	4850	(-1771)
LTD	5030	(-1951)

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
10/5/2013	24740

RECEIVED

- Acidizing **OCT 10 2013**
- Cement
- Tool Rental

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

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#21-1	Danfield	Scott	Cheyenne Well Se...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
576D-D	Pump Charge - Port Collar				1	Job	1,500.00	1,500.00
330	Swift Multi-Density Standard (MIDCON II)				220	Sacks	17.00	3,740.00T
276	Flocele				60	Lb(s)	2.00	120.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
104	Port Collar Tool Rental				1	Each	250.00	250.00T
107	Stripper Head Rental Per Day				1	Each	250.00	250.00T
581D	Service Charge Cement				250	Sacks	2.00	500.00
583D	Drayage				995.1	Ton Miles	1.00	995.10
	Subtotal							7,961.10
	Sales Tax Scott County						8.15%	365.61
We Appreciate Your Business!							Total	\$8,326.71



Services, Inc.

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

TICKET No. **24740**

PAGE 1 OF 1

SERVICE LOCATIONS: WELL/PROJECT NO. 20-1 LEASE Danfield COUNTY/PARISH Scott STATE KS CITY Shallow water DATE 5 Oct 13 OWNER

1. Ness City, KS TICKET TYPE SERVICE SALES CONTRACTOR RIG NAME NO. SHIPPED VIA CT DELIVERED TO location ORDER NO.

2. WELL TYPE 0-1 WELL CATEGORY Development cement port collar WELL PERMIT NO. WELL LOCATION

3. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRP 114	80	mi			6.60	4980.00
576D		1			Ring Charge	1	ea			1500.00	1500.00
330		1			SWD cement	220	sk			17.00	3740.00
276		1			Floccle	60	lb			2.00	120.00
290		1			D-air	3	spil			42.00	126.00
104		1			Best collar Tool Rental	1	ea			250.00	250.00
107		1			Stripper head rental	1	ea			250.00	250.00
583		1			Drayage	24	hr			1.00	24.00
581		1			Service charge	250	sk			2.00	500.00

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 Heather Wood TIME SIGNED A.M. P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
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	

5044 TAX 8.15%

TOTAL 8326

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

SWIFT OPERATOR MM APPROVAL

Thank You

JOB LOG

SWIFT Services, Inc.

DATE 4 OCT 13 PAGE NO. 1

CUSTOMER Talamino Petroleum WELL NO. 21-1 LEASE DanField JOB TYPE Cement port collar TICKET NO. 24740

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								250 sk SMD cement w/ 1/2" floccule 2 7/8" 5 1/2" port collar 2224'
	1100							on loc TRK 114
	1114					1000	1000	test to 1000psi - held work to open port collar pumping 2 bpm @ 700psi - no blow wait on mud truck
	1215							
	1325	3				1000		Pump mud
		3	12			1000		- fluid to surface -
		3	30			600		switch to H ₂ O
		3	4			600		pump 4 bbl H ₂ O
	1340	34				400		MIX SMD cement @ 1162 ppg
		34	115			500		— cement to surface —
		34	7			500		Displace w/ H ₂ O
								220 sks mixed 20 sk top
								close port collar
	1415 1425							test to 1000 psi - held 5 min Run 5 joints
	1432	2 1/2	20					Reverse hole clean - 2 cement flops -
	1445							Wash truck
								Back up Job complete Thank Blaine; Flint & John

RECEIVED

OCT 01 2013

Invoice

SWIFT*Services, Inc.*

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



DATE	INVOICE #
9/28/2013	24959

BILL TO

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-21	Danfield	Scott	WW Drilling Rig ...	Oil	Development	LongString	Ted
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
400-5	5 1/2" Guide Shoe				1	Each	200.00	200.00T
401-5	5 1/2" Insert Float With Auto Fill				1	Each	160.00	160.00T
409-5	5 1/2" Turbolizer				14	Each	90.00	1,260.00T
403-5	5 1/2" Cement Basket				2	Each	285.00	570.00T
404-5	5 1/2" Port Collar				1	Each	2,650.00	2,650.00T
325	Standard Cement				125	Sacks	14.00	1,750.00T
284	Calseal				6	Sack(s)	35.00	210.00T
283	Salt				700	Lb(s)	0.20	140.00T
285	CFR-1				59	Lb(s)	4.00	236.00T
276	Flocele				31	Lb(s)	2.00	62.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	17.00	2,125.00T
276	Flocele				31	Lb(s)	2.00	62.00T
581D	Service Charge Cement				250	Sacks	2.00	500.00
583D	Drayage				995	Ton Miles	1.00	995.00
	Subtotal							13,625.00
	Sales Tax Scott County						8.15%	827.23

We Appreciate Your Business!**Total**

\$14,452.23



Services, Inc.

CHARGE TO: Palomino Petroleum Free
 ADDRESS: Palomino Petroleum Free
 CITY, STATE, ZIP CODE: Newton, KS

TICKET No: **24959**

CITY, STATE, ZIP CODE: Newton, KS

PAGE 1 OF 1

1. SERVICE LOCATION: Hess City, KS WELL/PROJECT NO: 1-21 LEASE: DanField COUNTY/PARISH: Scott STATE: KS CITY: Ness City, Hays DATE: 9-28-2013 OWNER: Sam

2. Hess City, KS TICKET TYPE: SERVICE SALES CONTRACTOR: Wduw rig #10 RIG NAME/NO.: 54120g Shallow blade

3. WELL TYPE: Oil WELL CATEGORY: Development JOB PURPOSE: new well - Long string

4. REFERRAL LOCATION: Development INVOICE INSTRUCTIONS: new well - Long string

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.		
575		2				112	80	mi		6	480.00
578		2			Pump Services		1	ea	5000.00	1500	1500.00
281		2			Mud gland		500	gd		1.25	625.00
221		2			Sigurd KCL		4	gd		25.00	100.00
400		1			Guide shoe		1	ea	52 in	200.00	200.00
401		1			Insert Float eq Auto Fill		1	ea	52 in	160.00	160.00
409		1			Fluid Master Centralizer		14	ea	52 in	90.00	1260.00
403		1			Cement Basket		2	ea	52 in	285.00	570.00
404		1			Port Collar		1	ea	54 in	2650.00	2650.00
					From Construction Page					1	7545.00
										2	6080.00

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: 9-28-2013 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

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

AGREE	UN-DECIDED	DIS-AGREE	Sub PAGE TOTAL	TOTAL
			13,650.00	14,452.22
			8.27	
			8.15%	

SWIFT OPERATOR: Scott APPROVAL: Scott

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

Thank You



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

TICKET CONTINUATION

TICKET No. 24959

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.	UM		
325						Standard Cmt	125	sb			14.00	1750.00
281						Calsed	6	sk			35.00	210.00
283						Salt	700	lbs			2.00	1400.00
285						CFR-1	54	lbs			4.00	236.00
276						Flocele	31	lbs			2.00	62.00
330						SMO Cmt	125	sb			17.00	2125.00
276						Flocele	31	lb			2.00	62.00
581						Service Charge					2.00	500.00
583						Mileage Charge					1.00	995.00

CUSTOMER Palomino Petroleum

WELL Dan Field 1-21

DATE 9-28-2013

PAGE 2 OF 2

SERVICE CHARGE Cement
MILEAGE TOTAL WEIGHT 24,875
LOADED MILES 80
CUBIC FEET 250
TON MILES 995

CONTINUATION TOTAL 6080.00



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
SEP 23 2013

INVOICE

Invoice # 262445

Invoice Date: 09/20/2013 Terms: 10/10/30,n/30

Page 1

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

DANFIELD 21 #1
38088
21-20-34
09-19-2013
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	18.5500	3060.75
1102	CALCIUM CHLORIDE (50#)	465.00	.9400	437.10
1118B	PREMIUM GEL / BENTONITE	310.00	.2700	83.70

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

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

Amount Due 5870.79 if paid after 10/20/2013

Parts:	3581.55	Freight:	.00	Tax:	262.70	AR	5283.71
Labor:	.00	Misc:	.00	Total:	5283.71		
Sublt:	-557.89	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK EL DORADO, KS EUREKA, KS PONCA CITY, OK OAKLEY, KS OTTAWA, KS THAYER, KS GILLETTE, WY CUSHING, OK



262445

TICKET NUMBER 38088
 LOCATION Ocala
 FOREMAN Dawn

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

FIELD TICKET & TREATMENT REPORT
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9/19/13	6285	Danfield 21 #1	21	20	34	Scott
CUSTOMER: <u>Palomino Petroleum</u>			Kc. <u>Scott City</u>			
MAILING ADDRESS			<u>South to Rd 40</u>			
CITY			<u>11 W 3/4 into W</u>			
STATE			TRUCK #			
ZIP CODE			DRIVER			
			463		Cory	
			693		Travis	

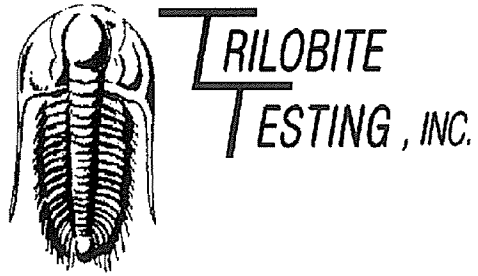
JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 210 CASING SIZE & WEIGHT 8 5/8, 23"
 CASING DEPTH 222.84 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 142 SLURRY VOL 1.36 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12.98 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Soft meeting, Rig up on WW-10 Run Casing Break Circulation with Rig Pump Hookup to Dumptruck mix 165 SKs Class A Cement 3% BCC 2% Gel Displace with 12.98 bbl water Shut in Wash up Pump & Lines Rig Down

Cement Dig Circulate
Approx 2 bbl to pit
Thanks Dawn & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401.5	1	PUMP CHARGE	\$ 1150.00	\$ 1150.00
5406	45	MILEAGE	\$ 5.25	\$ 236.25
5407.A	7.76	Ton Mileage Delivery	\$ 1.75	\$ 611.10
1104.S	165 SKS	Class A Cement	\$ 18.55	\$ 3060.25
1102	465 #	Calcium Chloride	\$.94	\$ 437.10
1118.B	310 #	Bentonite	\$.27	\$ 83.70
			Sub Total	5578.20
			Less 10%	557.82
			Sub Total	5020.38
			SALES TAX 8.15%	412.70
			ESTIMATED TOTAL	5433.08

AUTHORIZATION TITLE T.P. DATE 9-19-13
 I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

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

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Danfield 21 #1

21-20s-34w Scott,KS

Start Date: 2013.09.23 @ 03:49:00

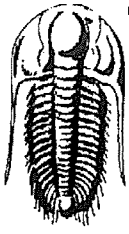
End Date: 2013.09.23 @ 10:38:15

Job Ticket #: 52871 DST #: 1

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

Printed: 2013.10.01 @ 10:16:19

Palomino Petroleum, Inc. 21-20s-34w Scott,KS Danfield 21 #1 DST # 1 LKC " G " 2013.09.23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

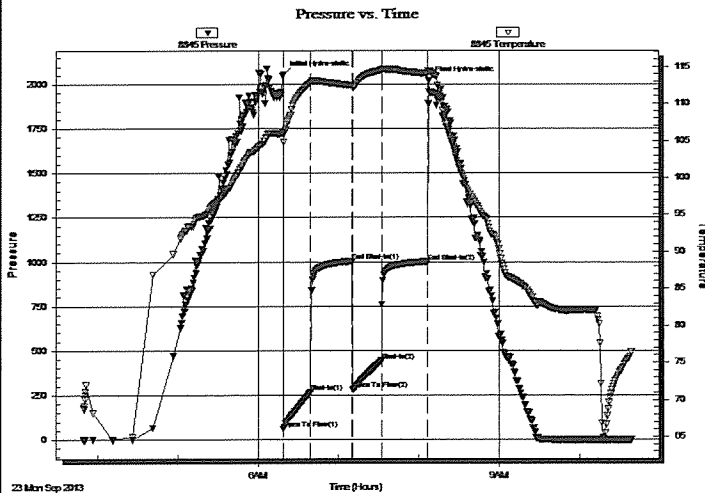
21-20s-34w Scott,KS
Danfield 21 #1
Job Ticket: 52871 **DST#: 1**
Test Start: 2013.09.23 @ 03:49:00

GENERAL INFORMATION:

Formation: **LKC " G "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 06:18:45 Tester: Sam Esparza
Time Test Ended: 10:38:15 Unit No: 64
Interval: **4102.00 ft (KB) To 4171.00 ft (KB) (TVD)** Reference Elevations: 3079.00 ft (KB)
Total Depth: 4171.00 ft (KB) (TVD) 3074.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8845 **Outside**
Press@RunDepth: 441.56 psig @ 4103.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.23 End Date: 2013.09.23
Start Time: 03:49:05 End Time: 10:38:14 Time On Btm: 2013.09.23 @ 06:18:30
Time Off Btm: 2013.09.23 @ 08:07:00

TEST COMMENT: IF: BOB @ 4 min.
ISI: No Return.
FF: BOB @ 5 min.
FSI: No Return.



PRESSURE SUMMARY

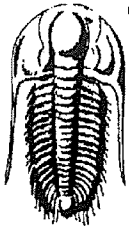
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.38	106.02	Initial Hydro-static
1	58.60	104.75	Open To Flow (1)
21	264.54	112.86	Shut-In(1)
52	1000.09	112.47	End Shut-In(1)
52	281.83	112.15	Open To Flow (2)
74	441.56	114.55	Shut-In(2)
108	998.86	114.06	End Shut-In(2)
109	2019.19	114.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
660.00	MW 5m 95w	8.14
250.00	WM 45w 55m	3.51

Gas Rates

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



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52871

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 03:49:00

GENERAL INFORMATION:

Formation: LKC " G "

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:18:45

Time Test Ended: 10:38:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 64

Interval: 4102.00 ft (KB) To 4171.00 ft (KB) (TVD)

Total Depth: 4171.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Outside

Press@RunDepth: psig @ 4103.00 ft (KB)

Start Date: 2013.09.23

End Date:

2013.09.23

Capacity: 8000.00 psig

Last Calib.:

2013.09.23

Start Time: 03:49:05

End Time:

10:38:29

Time On Btm:

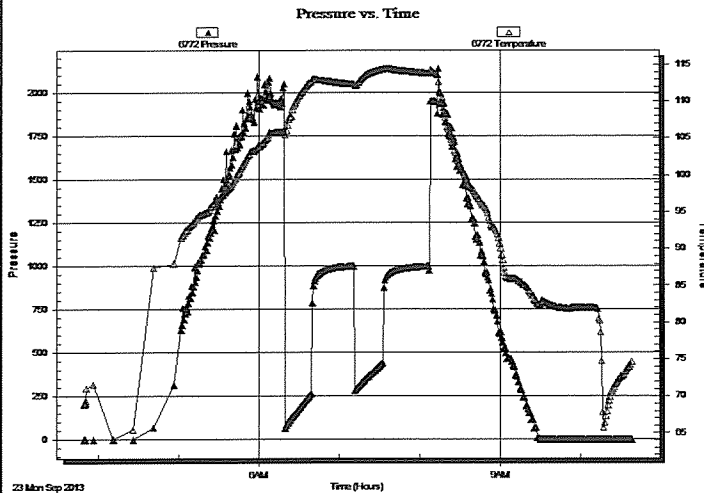
Time Off Btm:

TEST COMMENT: IF: BOB @ 4 min.

IS: No Return.

FF: BOB @ 5 min.

FS: No Return.



PRESSURE SUMMARY

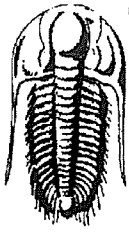
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
660.00	MW 5m 95w	8.14
250.00	VM 45w 55m	3.51

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52871

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 03:49:00

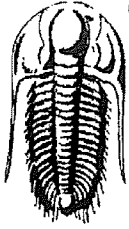
Tool Information

Drill Pipe:	Length: 3981.00 ft	Diameter: 3.80 inches	Volume: 55.84 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4102.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	97.00 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			4075.00	
Shut In Tool	5.00			4080.00	
Hydraulic tool	5.00			4085.00	
Jars	5.00			4090.00	
Safety Joint	3.00			4093.00	
Packer	5.00			4098.00	28.00 Bottom Of Top Packer
Packer	4.00			4102.00	
Stubb	1.00			4103.00	
Recorder	0.00	6772	Outside	4103.00	
Recorder	0.00	8845	Outside	4103.00	
Perforations	30.00			4133.00	
Change Over Sub	1.00			4134.00	
Drill Pipe	31.00			4165.00	
Change Over Sub	1.00			4166.00	
Bullnose	5.00			4171.00	69.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52871

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 03:49:00

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: 38000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
660.00	MW 5m 95w	8.138
250.00	WM 45w 55m	3.507

Total Length: 910.00 ft Total Volume: 11.645 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

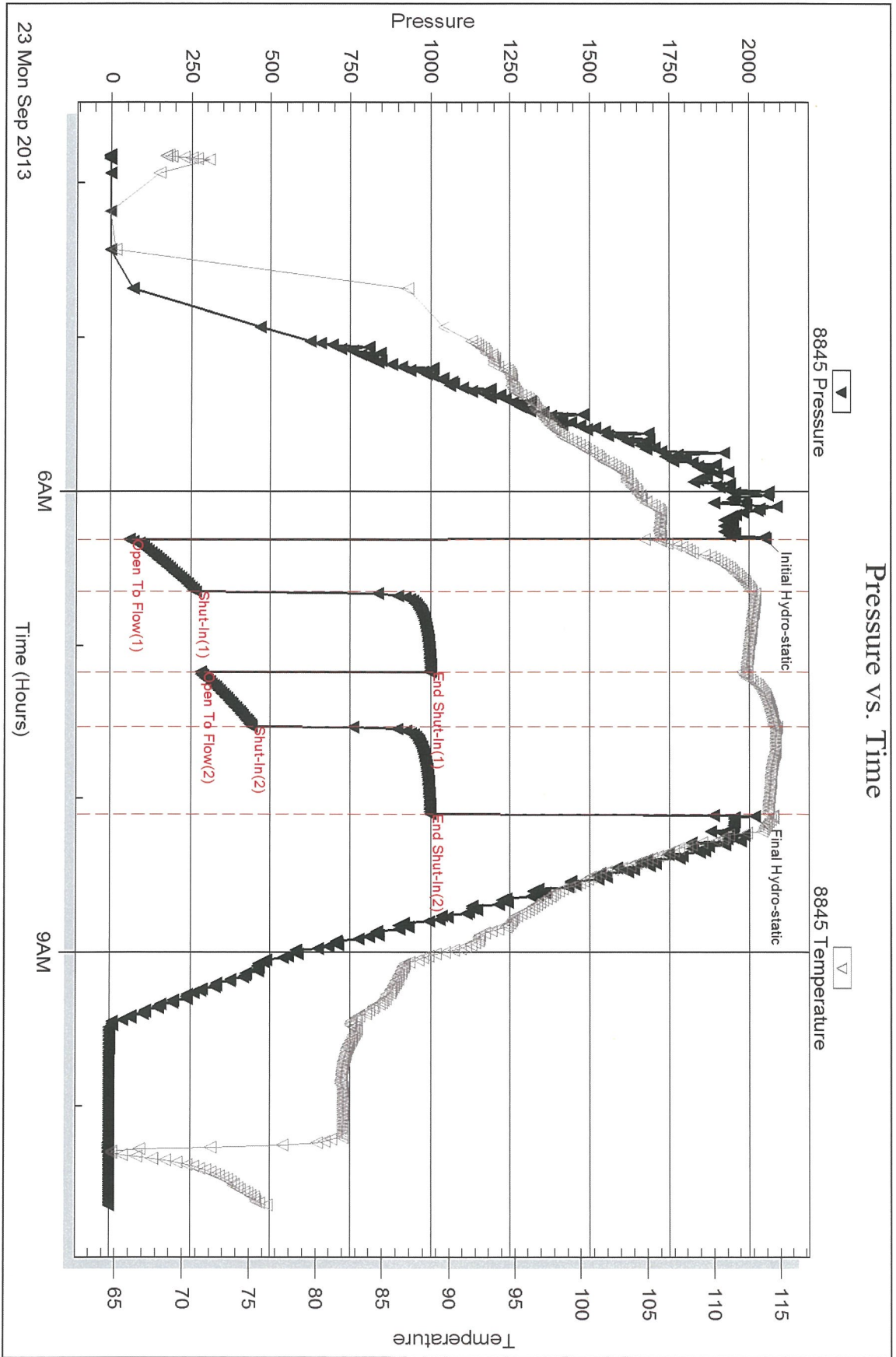
Recovery Comments: Water Salinity: .198 @ 67 degrees= 38,000 ppm

Serial #: 8845

Outside Palomino Petroleum, Inc.

Danfield 21 #1

DST Test Number: 1



Triblodge Testing, Inc

Ref. No: 52871

Printed: 2013.10.01 @ 10:16:20

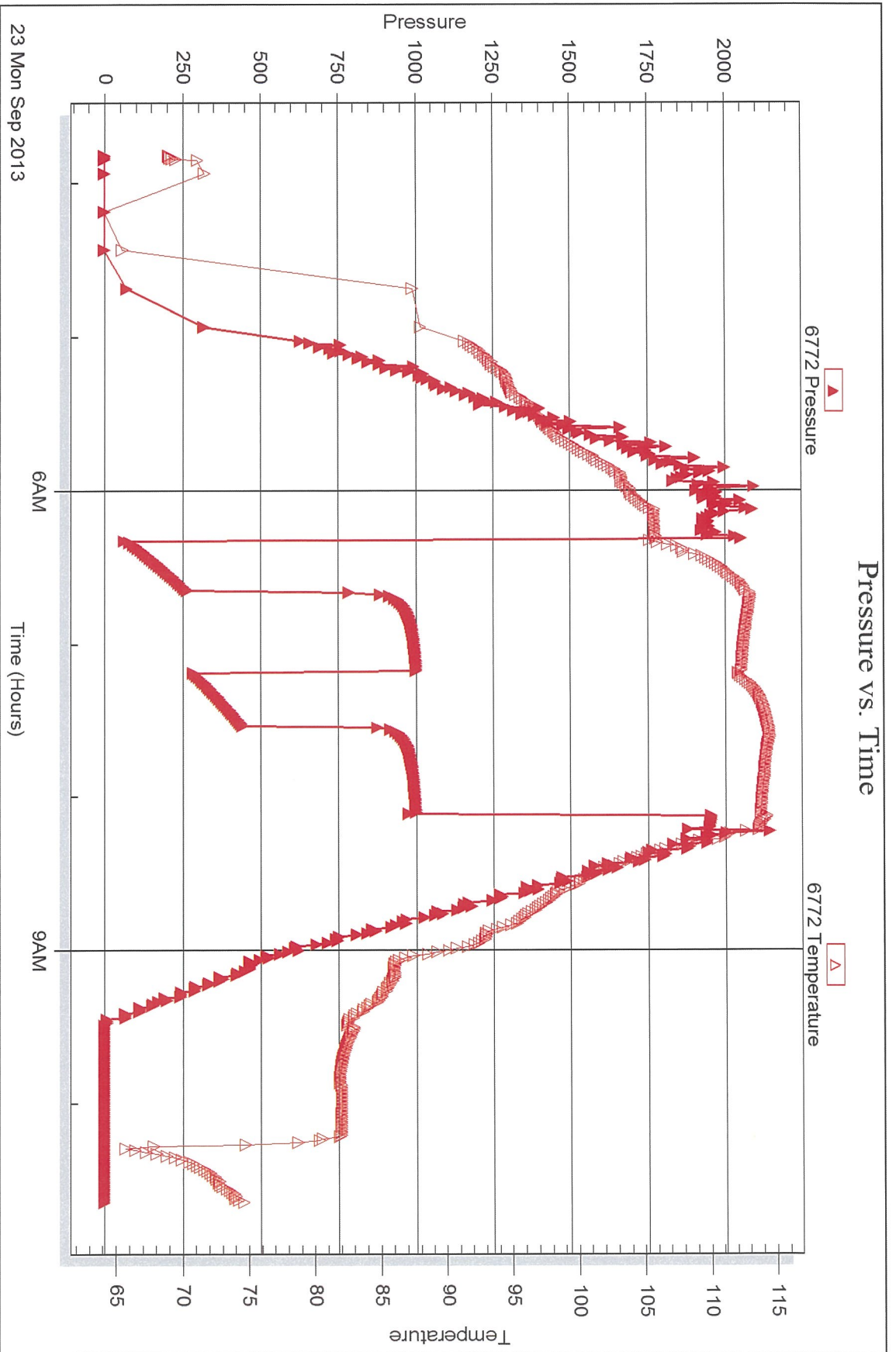
Serial #: 6772

Outside

Palomino Petroleum, Inc.

Danfield 21 #1

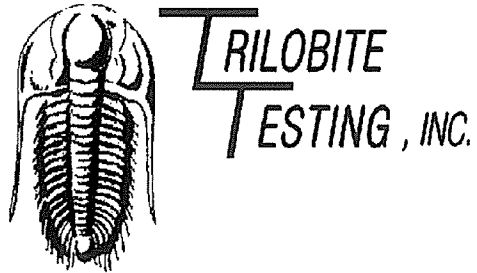
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52871

Printed: 2013.10.01 @ 10:16:20



DRILL STEM TEST REPORT

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

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Danfield 21 #1

21-20s-34w Scott,KS

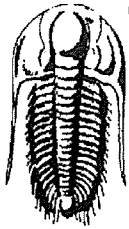
Start Date: 2013.09.23 @ 20:29:00

End Date: 2013.09.24 @ 02:38:15

Job Ticket #: 52872 DST #: 2

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

Printed: 2013.10.01 @ 10:15:55



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St
Newton, KS 67114

Danfield 21 #1

Job Ticket: 52872

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 20:29:00

GENERAL INFORMATION:

Formation: **LKC " H & I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:22:00

Time Test Ended: 02:38:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: **4163.00 ft (KB) To 4231.00 ft (KB) (TVD)**

Total Depth: 4231.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8845

Outside

Press@RunDepth: 21.21 psig @ 4164.00 ft (KB)

Start Date: 2013.09.23

End Date:

2013.09.24

Start Time: 20:29:05

End Time:

02:38:14

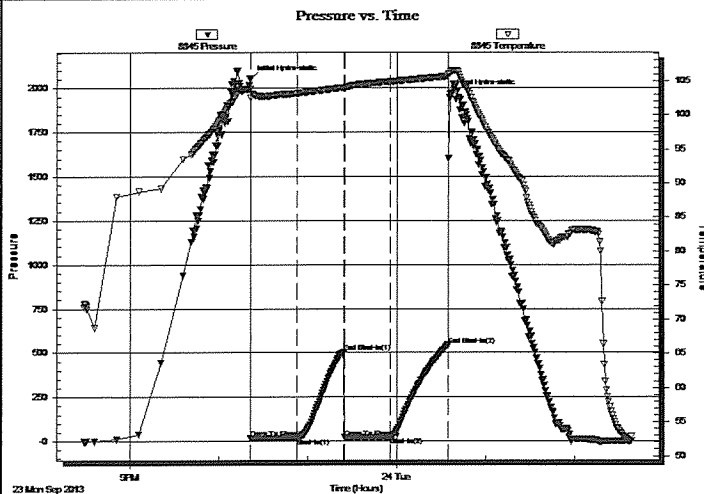
Capacity: 8000.00 psig

Last Calib.: 2013.09.24

Time On Btm: 2013.09.23 @ 22:21:45

Time Off Btm: 2013.09.24 @ 00:35:45

TEST COMMENT: IF: 1/4" Blow.
ISI: No Return.
FF: No Blow.
FSI: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.19	103.83	Initial Hydro-static
1	15.77	102.58	Open To Flow (1)
32	19.25	103.17	Shut-In(1)
63	502.48	104.00	End Shut-In(1)
63	19.25	103.79	Open To Flow (2)
94	21.21	104.87	Shut-In(2)
133	542.48	105.65	End Shut-In(2)
134	1966.74	106.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52872

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 20:29:00

GENERAL INFORMATION:

Formation: **LKC " H & I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:22:00

Time Test Ended: 02:38:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: **4163.00 ft (KB) To 4231.00 ft (KB) (TVD)**

Reference Elevations: 3079.00 ft (KB)

Total Depth: 4231.00 ft (KB) (TVD)

3074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6772 Outside

Press@RunDepth: psig @ 4164.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.23 End Date: 2013.09.24

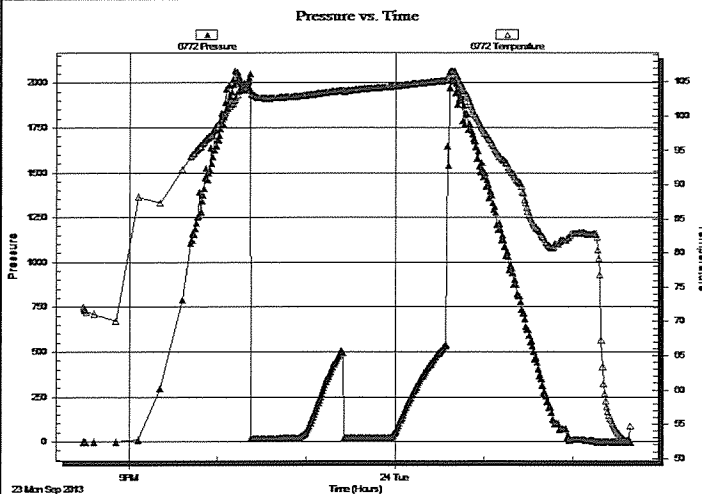
Last Calib.: 2013.09.24

Start Time: 20:29:05 End Time: 02:38:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4" Blow.
IS: No Return.
FF: No Blow.
FSI: No Return.



PRESSURE SUMMARY

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

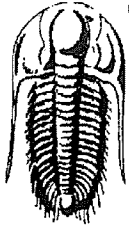
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

* 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.

21-20s-34w Scott,KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52872

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 20:29:00

Tool Information

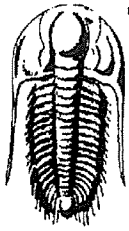
Drill Pipe:	Length: 4043.00 ft	Diameter: 3.80 inches	Volume: 56.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	57.31 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4163.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	96.00 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			4136.00	
Shut In Tool	5.00			4141.00	
Hydraulic tool	5.00			4146.00	
Jars	5.00			4151.00	
Safety Joint	3.00			4154.00	
Packer	5.00			4159.00	28.00 Bottom Of Top Packer
Packer	4.00			4163.00	
Stubb	1.00			4164.00	
Recorder	0.00	6772	Outside	4164.00	
Recorder	0.00	8845	Outside	4164.00	
Perforations	29.00			4193.00	
Change Over Sub	1.00			4194.00	
Drill Pipe	31.00			4225.00	
Change Over Sub	1.00			4226.00	
Bullnose	5.00			4231.00	68.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52872

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.09.23 @ 20:29:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

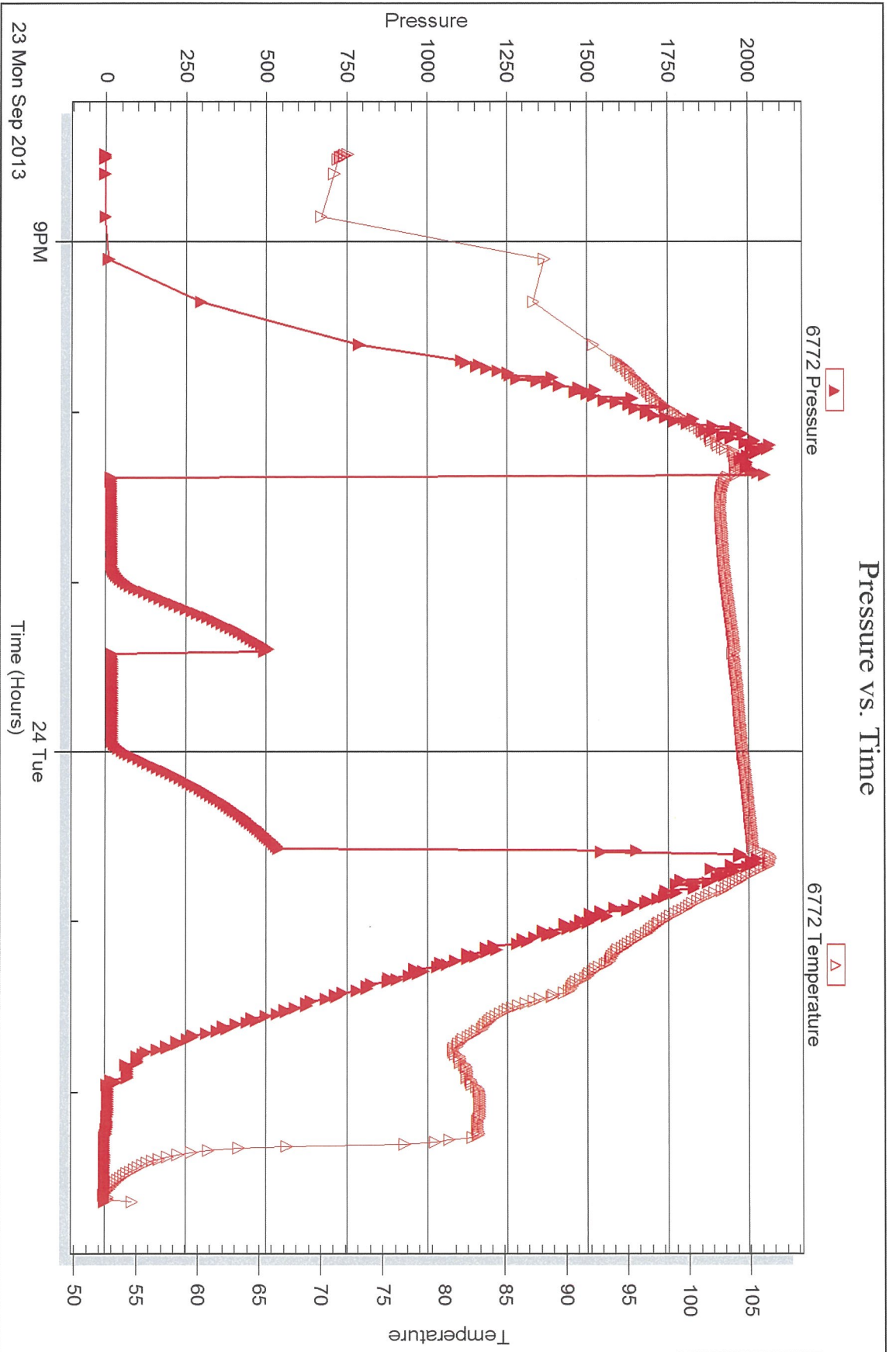
Recovery Comments:

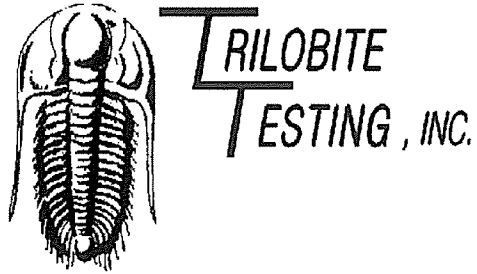
Serial #: 6772

Outside Palomino Petroleum, Inc.

Danfield 21 #1

DST Test Number: 2





DRILL STEM TEST REPORT

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

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Danfield 21 #1

21-20s-34w Scott,KS

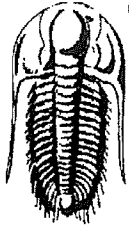
Start Date: 2013.09.24 @ 16:27:00

End Date: 2013.09.24 @ 21:58:45

Job Ticket #: 52873 DST #: 3

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

Printed: 2013.10.01 @ 10:15:28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
Newton, KS 67114

Danfield 21 #1

Job Ticket: 52873

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.09.24 @ 16:27:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:13:00

Time Test Ended: 21:58:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: **4284.00 ft (KB) To 4387.00 ft (KB) (TVD)**

Reference Elevations: 3079.00 ft (KB)

Total Depth: 4387.00 ft (KB) (TVD)

3074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8845

Outside

Press@RunDepth: 1009.10 psig @ 4285.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.24

End Date:

2013.09.24

Last Calib.: 2013.09.24

Start Time: 16:27:05

End Time:

21:58:44

Time On Btm: 2013.09.24 @ 18:11:45

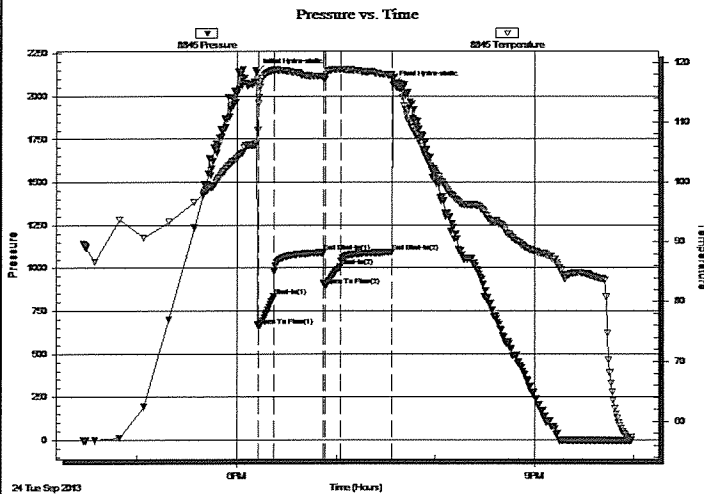
Time Off Btm: 2013.09.24 @ 19:34:15

TEST COMMENT: IF: BOB @ 1 min.

ISI: No Return.

FF: BOB @ 45 seconds.

FSI: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.03	106.49	Initial Hydro-static
2	661.90	113.10	Open To Flow (1)
11	836.26	118.67	Shut-In(1)
41	1089.58	117.57	End Shut-In(1)
42	895.57	117.19	Open To Flow (2)
51	1009.10	118.84	Shut-In(2)
82	1090.55	117.86	End Shut-In(2)
83	2064.32	117.26	Final Hydro-static

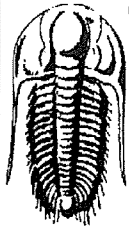
Recovery

Length (ft)	Description	Volume (bbl)
1640.00	MW 5m 95w	21.88
315.00	MW 40m 60w	4.42
300.00	WM 30w 70m	4.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52873

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.09.24 @ 16:27:00

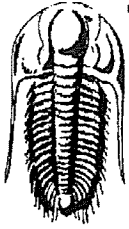
Tool Information

Drill Pipe:	Length: 4140.00 ft	Diameter: 3.80 inches	Volume: 58.07 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4284.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	103.00 ft			
Tool Length:	131.00 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			4257.00	
Shut In Tool	5.00			4262.00	
Hydraulic tool	5.00			4267.00	
Jars	5.00			4272.00	
Safety Joint	3.00			4275.00	
Packer	5.00			4280.00	28.00 Bottom Of Top Packer
Packer	4.00			4284.00	
Stubb	1.00			4285.00	
Recorder	0.00	6772	Outside	4285.00	
Recorder	0.00	8845	Outside	4285.00	
Perforations	32.00			4317.00	
Change Over Sub	1.00			4318.00	
Drill Pipe	63.00			4381.00	
Change Over Sub	1.00			4382.00	
Bullnose	5.00			4387.00	103.00 Bottom Packers & Anchor

Total Tool Length: 131.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52873

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.09.24 @ 16:27:00

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:

50000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1640.00	MW 5m 95w	21.884
315.00	MW 40m 60w	4.419
300.00	WM 30w 70m	4.208

Total Length: 2255.00 ft Total Volume: 30.511 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .152 @ 68 degrees= 50,000 ppm

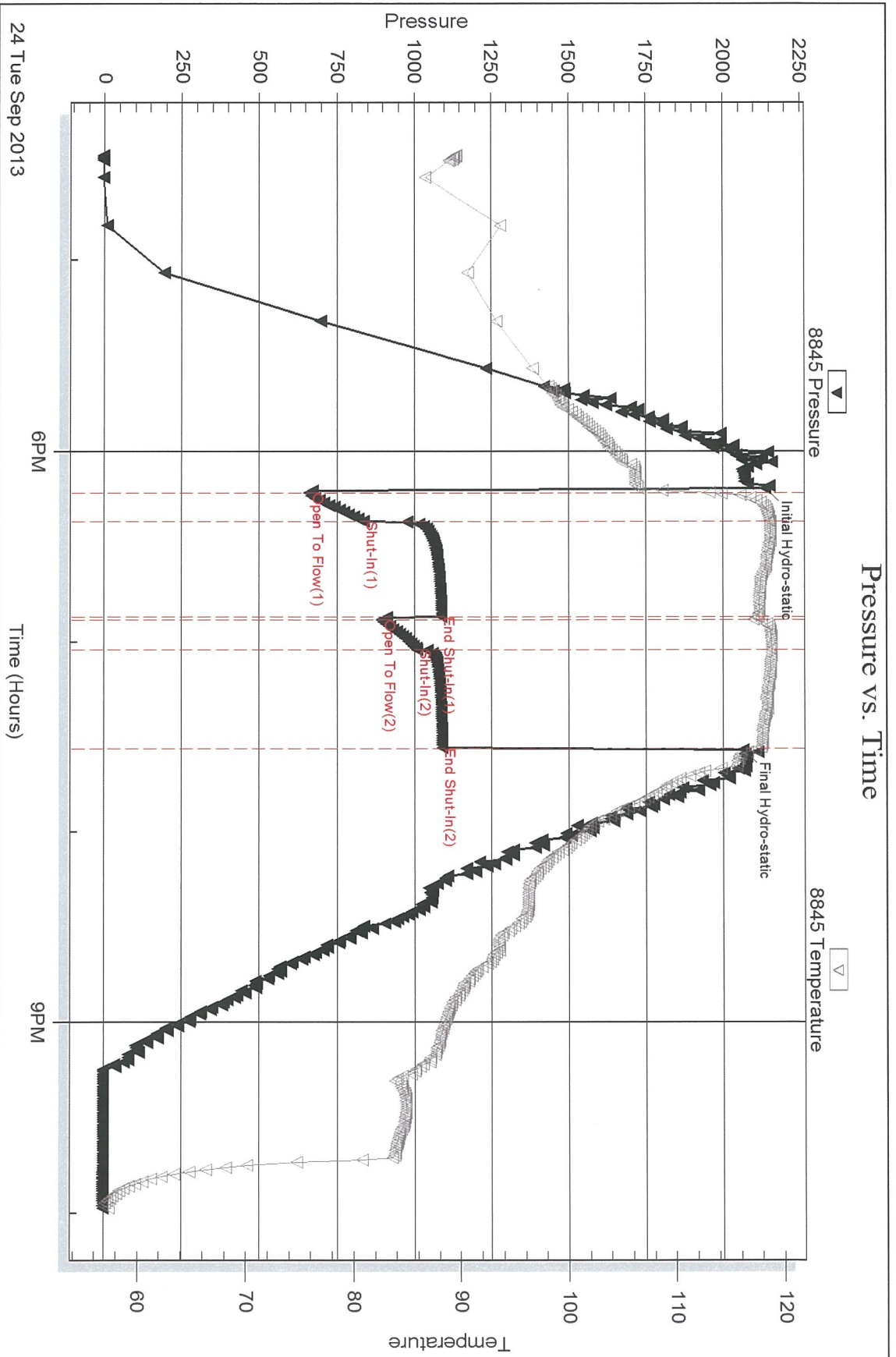
Serial #: 8845

Outside Palomino Petroleum, Inc.

Danfield 21 #1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 52873

Printed: 2013.10.01 @ 10:15:30

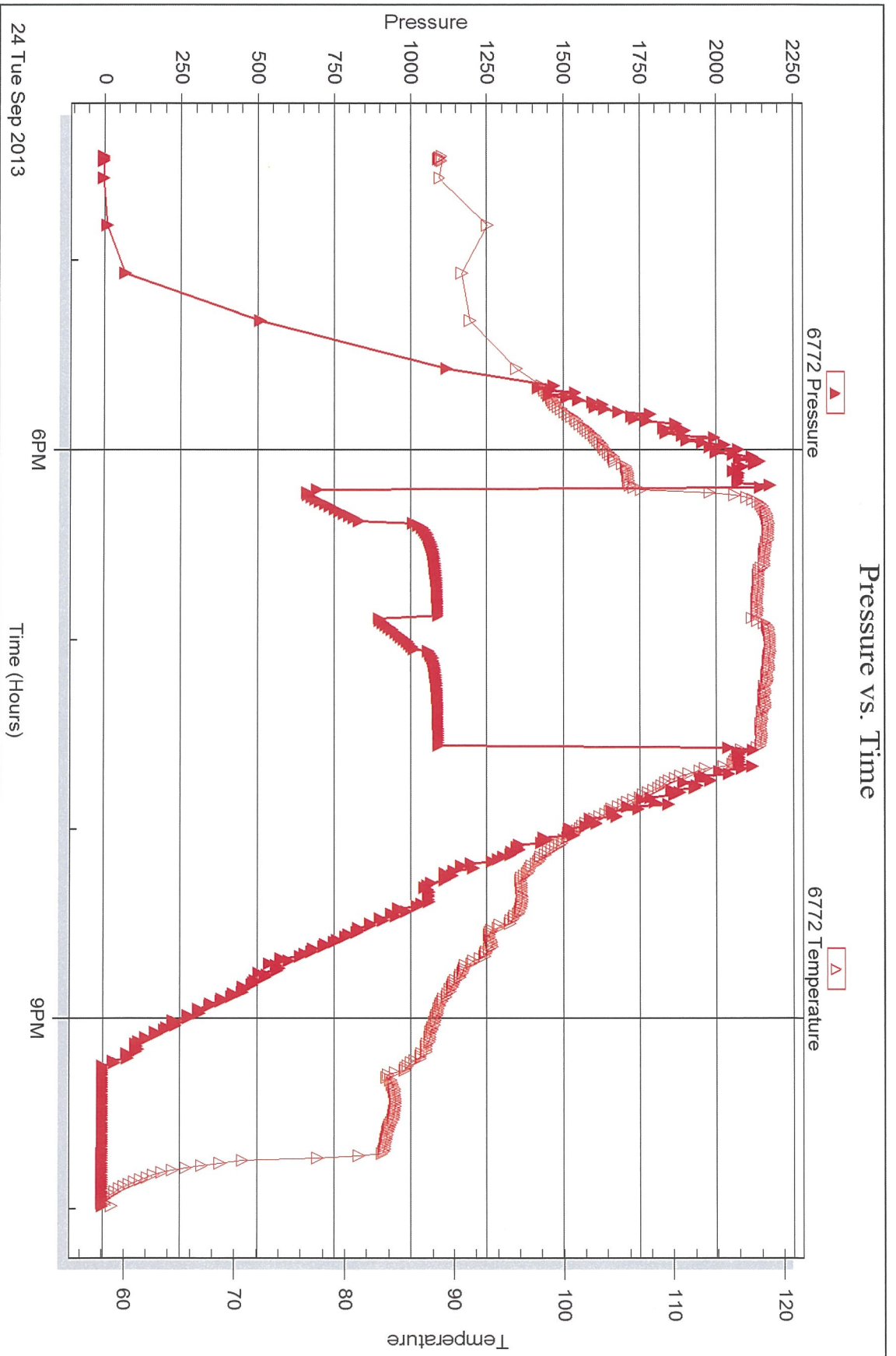
Serial #: 6772

Outside

Palomino Petroleum, Inc.

Danfield 21 #1

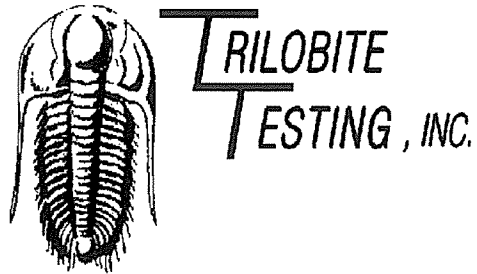
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 52873

Printed: 2013.10.01 @ 10:15:30



DRILL STEM TEST REPORT

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

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Danfield 21 #1

21-20s-34w Scott,KS

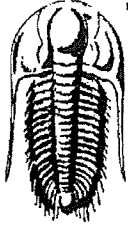
Start Date: 2013.09.25 @ 07:44:00

End Date: 2013.09.25 @ 12:08:45

Job Ticket #: 52874 DST #: 4

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

Printed: 2013.10.01 @ 10:14:58



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52874

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 07:44:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:31:30

Time Test Ended: 12:08:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: **4376.00 ft (KB) To 4445.00 ft (KB) (TVD)**

Total Depth: 4445.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8845

Outside

Press@RunDepth: psig @ 4377.00 ft (KB)

Start Date: 2013.09.25

End Date: 2013.09.25

Start Time: 07:44:05

End Time: 12:08:44

Capacity: 8000.00 psig

Last Calib.: 2013.09.25

Time On Btm: 2013.09.25 @ 09:31:15

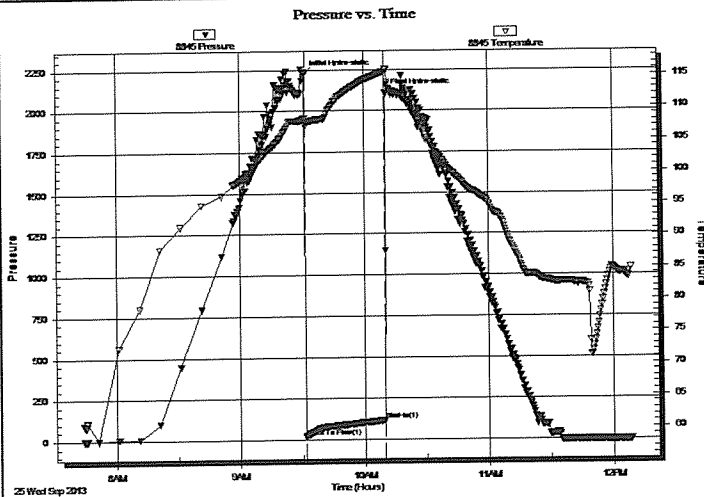
Time Off Btm: 2013.09.25 @ 10:10:30

TEST COMMENT: IF: 10" Blow .

IS: N/A

FF: N/A Could not turn tool. Backlashing

FS: N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.25	108.16	Initial Hydro-static
1	19.61	106.97	Open To Flow (1)
39	117.48	115.49	Shut-In(1)
40	2104.62	115.93	Final Hydro-static

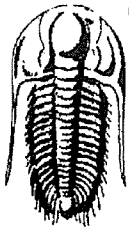
Recovery

Length (ft)	Description	Volume (bbl)
215.00	MW 30m 70w	1.90

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
Newton, KS 67114

Danfield 21 #1

Job Ticket: 52874

DST#: 4

ATTN: Ryan Seib

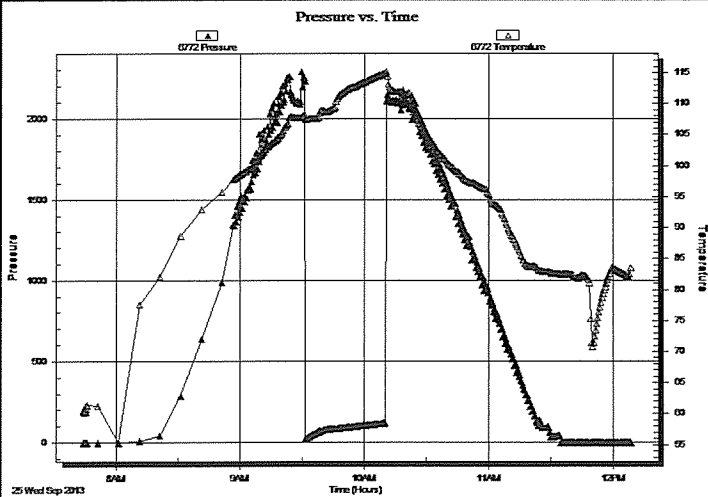
Test Start: 2013.09.25 @ 07:44:00

GENERAL INFORMATION:

Formation: Pleasanton	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Sam Esparza
Time Tool Opened: 09:31:30	Unit No: 64
Time Test Ended: 12:08:45	
Interval: 4376.00 ft (KB) To 4445.00 ft (KB) (TVD)	Reference Elevations: 3079.00 ft (KB)
Total Depth: 4445.00 ft (KB) (TVD)	3074.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 5.00 ft

Serial #: 6772 Outside		Capacity: 8000.00 psig
Press@RunDepth: psig @ 4377.00 ft (KB)		Last Calib.: 2013.09.25
Start Date: 2013.09.25	End Date: 2013.09.25	Time On Btm:
Start Time: 07:44:05	End Time: 12:08:59	Time Off Btm:

TEST COMMENT: IF: 10" Blow .
IS: N/A
FF: N/A Could not turn tool. Backlashing
FS: N/A



PRESSURE SUMMARY

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

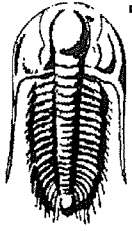
Recovery

Length (ft)	Description	Volume (bbl)
215.00	MW 30m 70w	1.90

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.

21-20s-34w Scott, KS

4924 SE 84th St
Newton, KS 67114

Danfield 21 #1

Job Ticket: 52874

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 07:44:00

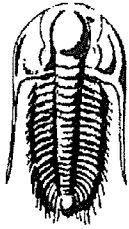
Tool Information

Drill Pipe:	Length: 4230.00 ft	Diameter: 3.80 inches	Volume: 59.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4376.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	97.00 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			4349.00	
Shut In Tool	5.00			4354.00	
Hydraulic tool	5.00			4359.00	
Jars	5.00			4364.00	
Safety Joint	3.00			4367.00	
Packer	5.00			4372.00	28.00 Bottom Of Top Packer
Packer	4.00			4376.00	
Stubb	1.00			4377.00	
Recorder	0.00	6772	Outside	4377.00	
Recorder	0.00	8845	Outside	4377.00	
Perforations	30.00			4407.00	
Change Over Sub	1.00			4408.00	
Drill Pipe	31.00			4439.00	
Change Over Sub	1.00			4440.00	
Bullnose	5.00			4445.00	69.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52874

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 07:44:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: 55000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 6000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
215.00	MV 30m 70w	1.895

Total Length: 215.00 ft Total Volume: 1.895 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .119 @ 78 degrees= 55,000 ppm

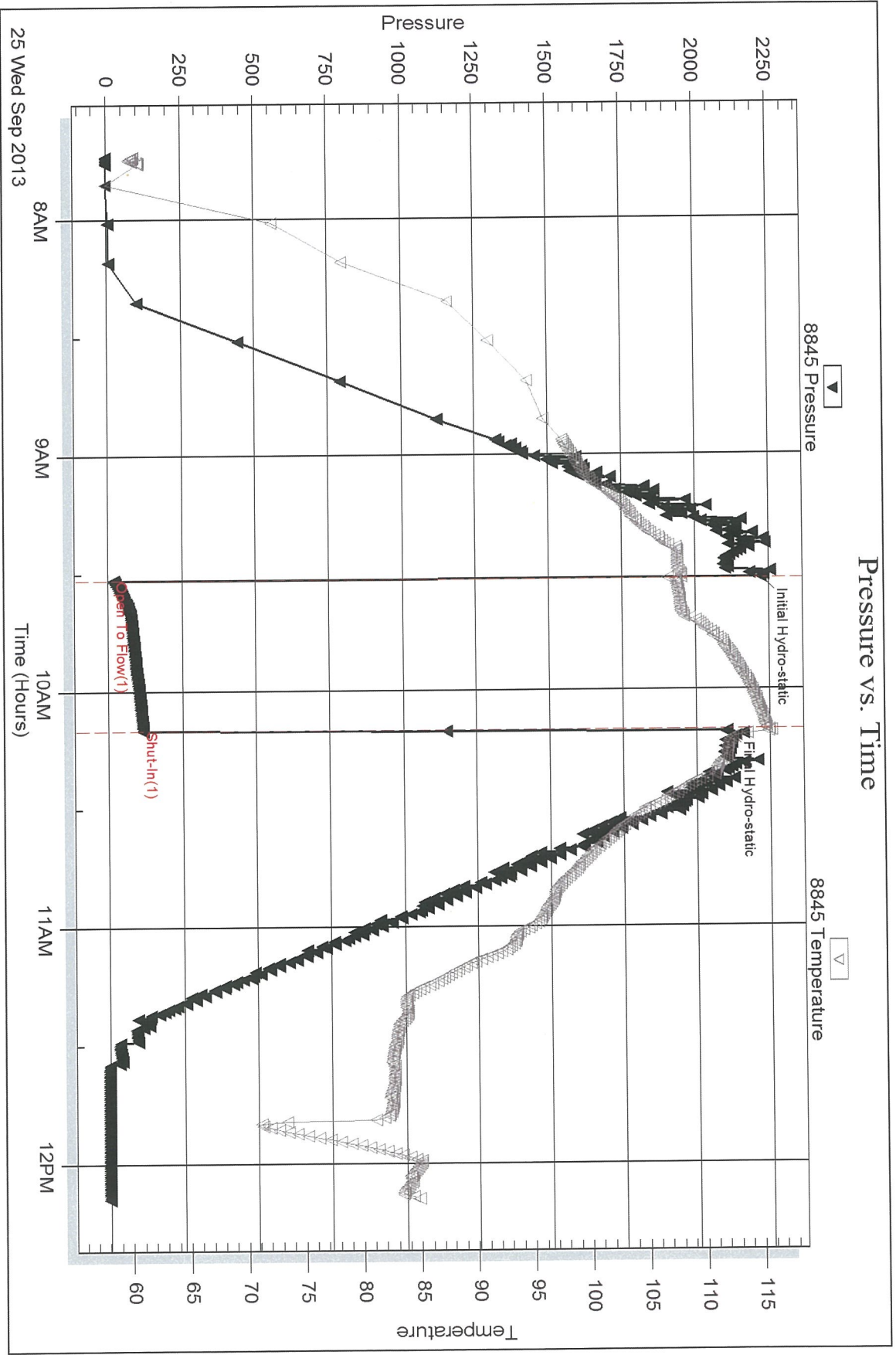
Serial #: 8845

Outside Palomiro Petroleum, Inc.

Danfield 21 #1

DST Test Number: 4

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 52874

Printed: 2013.10.01 @ 10:14:59

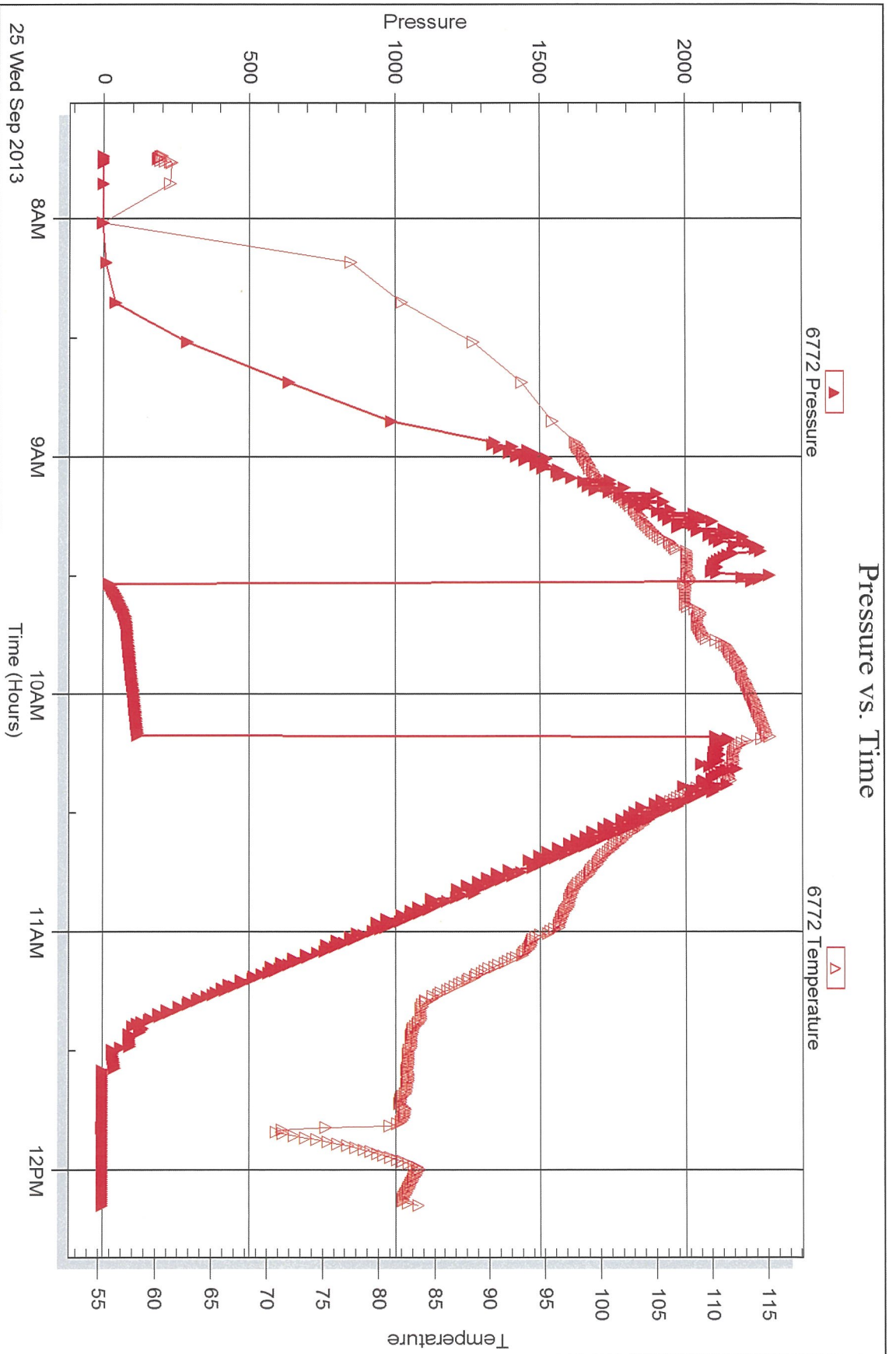
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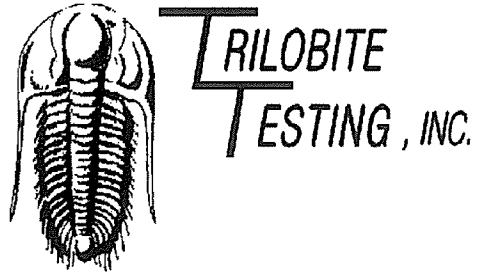
Outside

Palomino Petroleum, Inc.

Danfield 21 #1

DST Test Number: 4





DRILL STEM TEST REPORT

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

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Danfield 21 #1

21-20s-34w Scott,KS

Start Date: 2013.09.25 @ 23:01:00

End Date: 2013.09.26 @ 07:22:00

Job Ticket #: 52875 DST #: 5

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

Printed: 2013.10.01 @ 10:14:28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52875

DST#: 5

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 23:01:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:50:15

Time Test Ended: 07:22:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: **4458.00 ft (KB) To 4535.00 ft (KB) (TVD)**

Total Depth: 4535.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8845 Outside

Press@RunDepth: 895.23 psig @ 4459.00 ft (KB)

Start Date: 2013.09.25

End Date:

2013.09.26

Start Time: 23:01:05

End Time:

07:21:59

Capacity: 8000.00 psig

Last Calib.: 2013.09.26

Time On Btm: 2013.09.26 @ 00:49:15

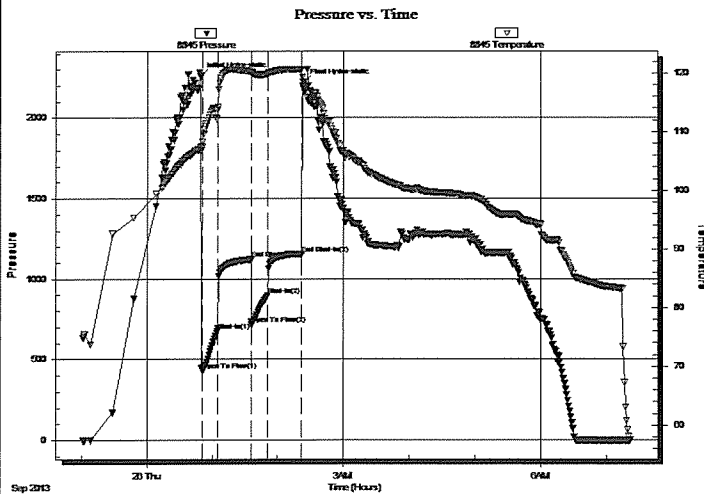
Time Off Btm: 2013.09.26 @ 02:23:00

TEST COMMENT: IF: BOB @ 1/2 Min.

ISI: Bled off for 5 min. BOB Return @ 8 min.

FF: BOB Immediately GTS @ 12 min.

FSI: Bled off for 5 min. BOB Return @ 11 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.07	107.29	Initial Hydro-static
1	433.46	107.42	Open To Flow (1)
16	675.20	113.70	Shut-In(1)
47	1122.03	120.22	End Shut-In(1)
47	717.19	120.05	Open To Flow (2)
62	895.23	119.89	Shut-In(2)
93	1154.26	120.61	End Shut-In(2)
94	2220.60	117.71	Final Hydro-static

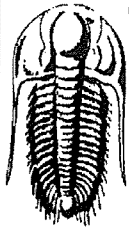
Recovery

Length (ft)	Description	Volume (bbl)
2930.00	GO 30g 70o	39.98

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52875

DST#: 5

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 23:01:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:50:15

Time Test Ended: 07:22:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4458.00 ft (KB) To 4535.00 ft (KB) (TVD)

Total Depth: 4535.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Outside

Press@RunDepth: psig @ 4459.00 ft (KB)

Start Date: 2013.09.25

End Date:

2013.09.26

Capacity: 8000.00 psig

Last Calib.:

2013.09.26

Start Time: 23:01:05

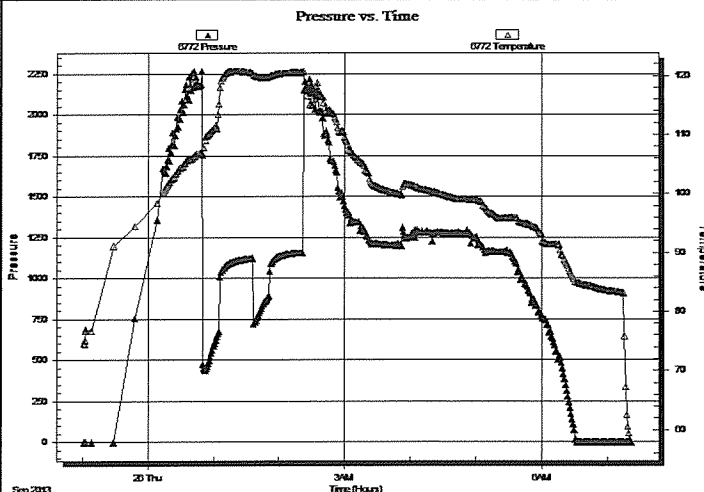
End Time:

07:22:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 1/2 Min.
 IS: Bled off for 5 min. BOB Return @ 8 min.
 FF: BOB Immediately GTS @ 12 min.
 FSI: Bled off for 5 min. BOB Return @ 11 min.



PRESSURE SUMMARY

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

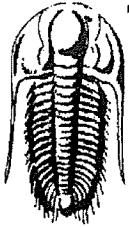
Recovery

Length (ft)	Description	Volume (bbl)
2930.00	GO 30g 70o	39.98

* 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.

21-20s-34w Scott,KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52875

DST#: 5

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 23:01:00

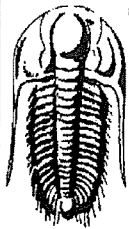
Tool Information

Drill Pipe:	Length: 4327.00 ft	Diameter: 3.80 inches	Volume: 60.70 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 61.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4458.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	105.00 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			4431.00	
Shut In Tool	5.00			4436.00	
Hydraulic tool	5.00			4441.00	
Jars	5.00			4446.00	
Safety Joint	3.00			4449.00	
Packer	5.00			4454.00	28.00 Bottom Of Top Packer
Packer	4.00			4458.00	
Stubb	1.00			4459.00	
Recorder	0.00	6772	Outside	4459.00	
Recorder	0.00	8845	Outside	4459.00	
Perforations	6.00			4465.00	
Change Over Sub	1.00			4466.00	
Drill Pipe	63.00			4529.00	
Change Over Sub	1.00			4530.00	
Bullnose	5.00			4535.00	77.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 52875

DST#: 5

ATTN: Ryan Seib

Test Start: 2013.09.25 @ 23:01:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2930.00	GO 30g 70o	39.980

Total Length: 2930.00 ft Total Volume: 39.980 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API: 31 @ 60 degrees= 31 deg API

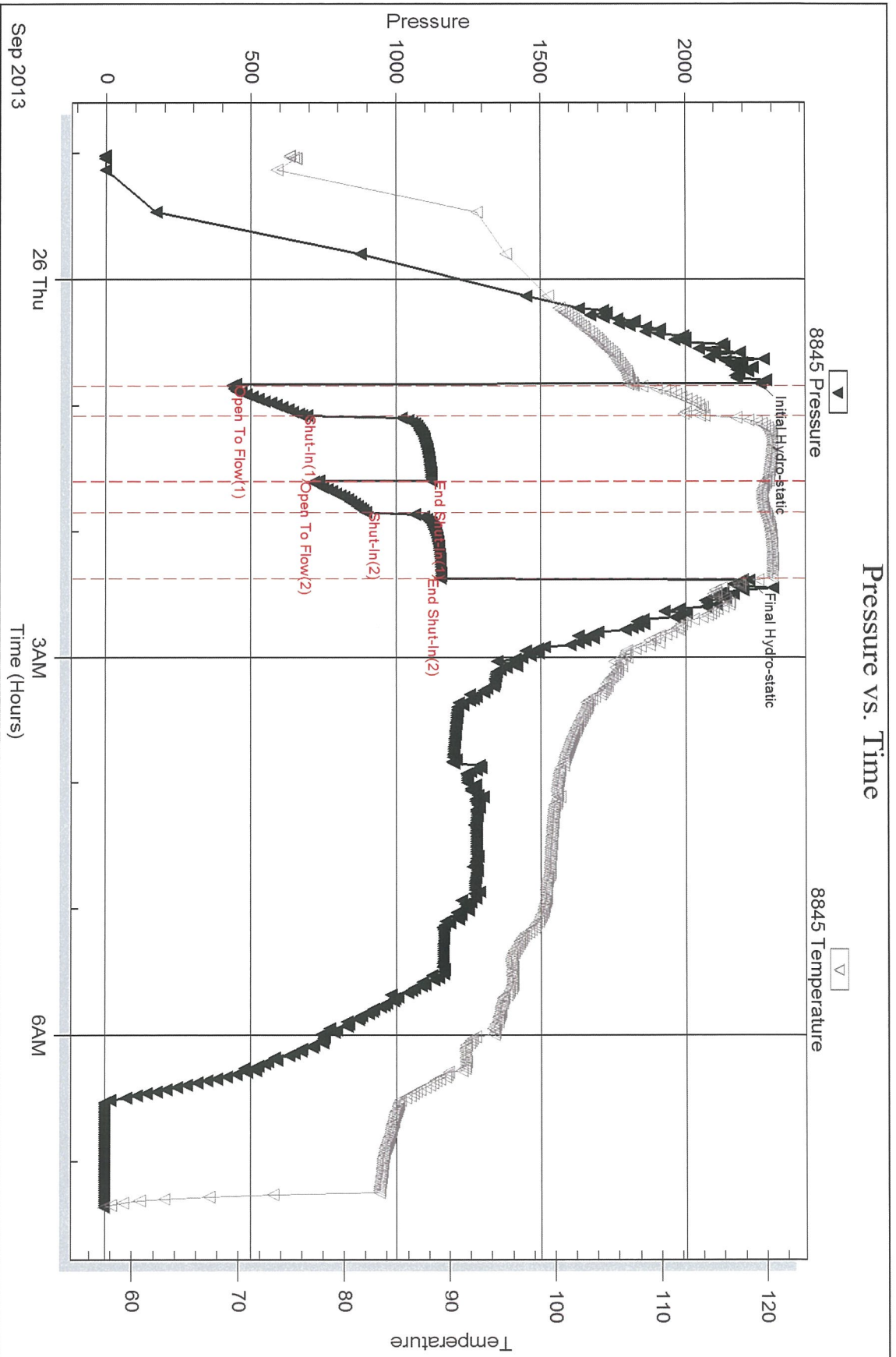
Serial #: 8845

Outside Palomino Petroleum, Inc.

Danfield 21 #1

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 52875

Printed: 2013.10.01 @ 10:14:29

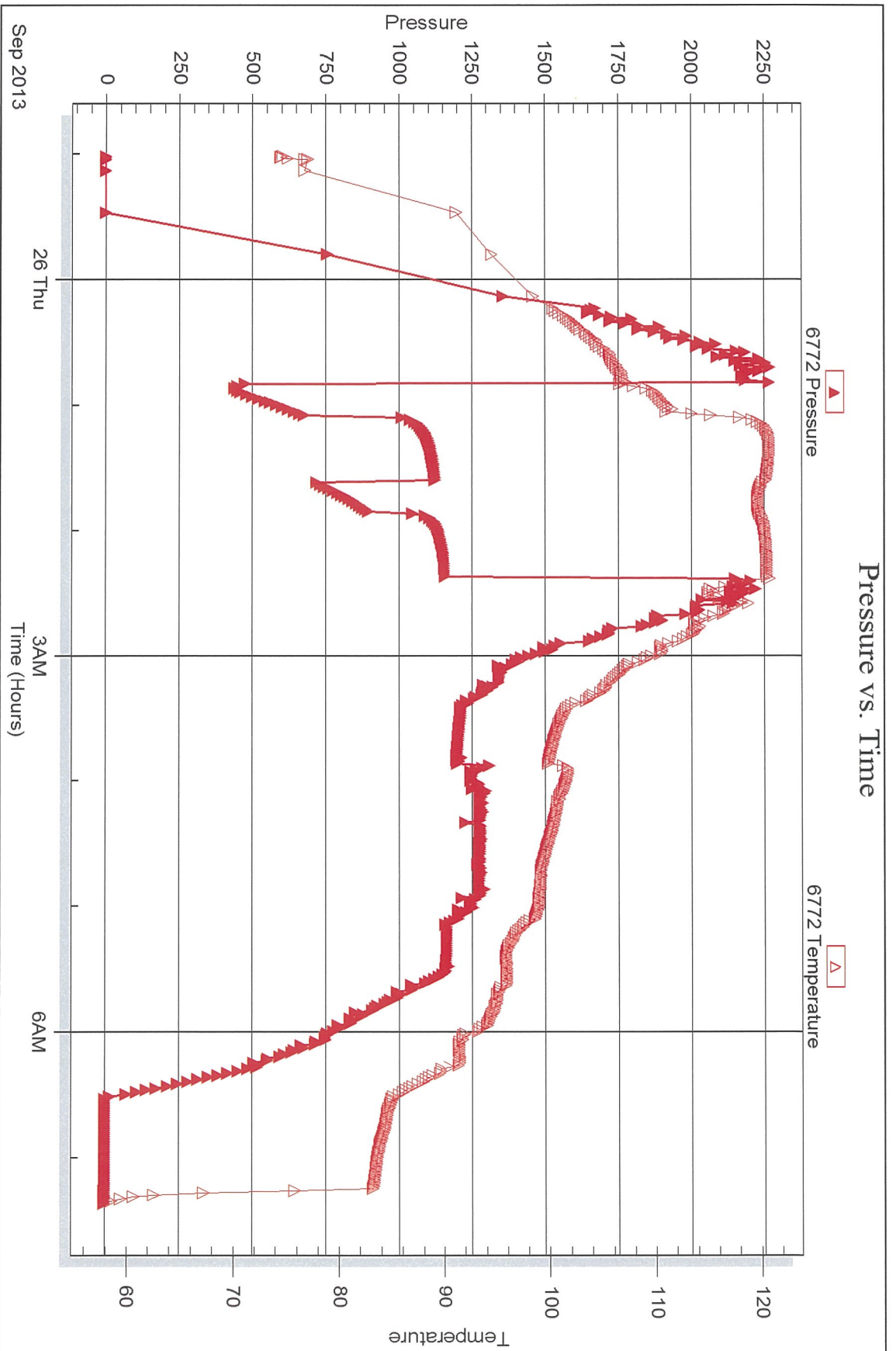
Serial #: 6772

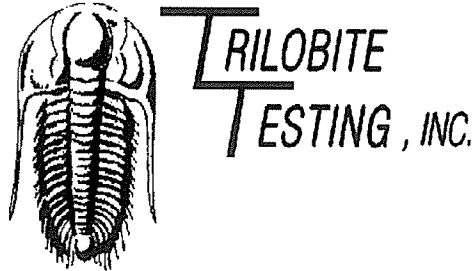
Outside

Palomino Petroleum, Inc.

Danfield 21 #1

DST Test Number: 5





DRILL STEM TEST REPORT

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

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Danfield 21 #1

21-20s-34w Scott,KS

Start Date: 2013.09.26 @ 16:28:00

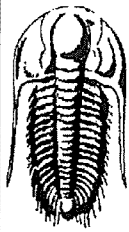
End Date: 2013.09.26 @ 22:59:15

Job Ticket #: 54726 DST #: 6

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

Printed: 2013.10.01 @ 10:13:54

Palomino Petroleum, Inc. 21-20s-34w Scott,KS Danfield 21 #1 DST # 6 Pawnee 2013.09.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

21-20s-34w Scott, KS

4924 SE 84th St
Newton, KS 67114

Danfield 21 #1

Job Ticket: 54726

DST#: 6

ATTN: Ryan Seib

Test Start: 2013.09.26 @ 16:28:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:39:15

Time Test Ended: 22:59:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: **4530.00 ft (KB) To 4600.00 ft (KB) (TVD)**

Total Depth: 4600.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8845 Outside

Press@RunDepth: 39.51 psig @ 4531.00 ft (KB)

Start Date: 2013.09.26

End Date:

2013.09.26

Start Time: 16:28:05

End Time:

22:59:14

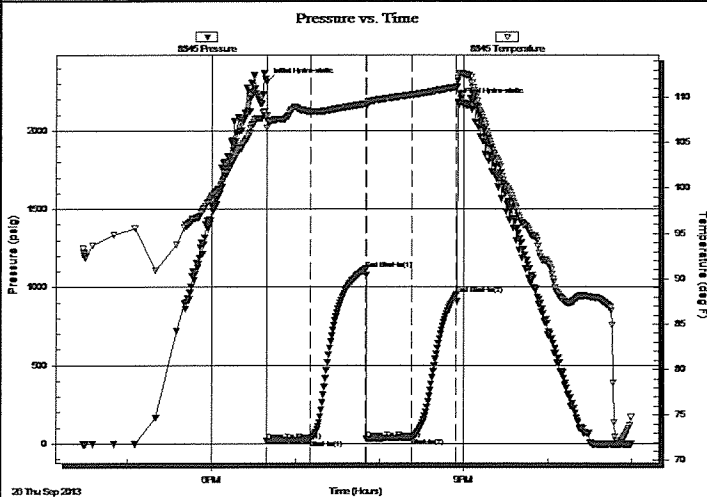
Capacity: 8000.00 psig

Last Calib.: 2013.09.26

Time On Btm: 2013.09.26 @ 18:39:00

Time Off Btm: 2013.09.26 @ 20:56:00

TEST COMMENT: IF: 1/4" Blow.
IS: No Return.
FF: No Blow.
FSI: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.14	107.94	Initial Hydro-static
1	17.42	106.65	Open To Flow (1)
31	27.23	108.44	Shut-In(1)
71	1115.70	109.27	End Shut-In(1)
72	31.01	108.98	Open To Flow (2)
104	39.51	110.26	Shut-In(2)
136	952.65	111.13	End Shut-In(2)
137	2183.12	111.83	Final Hydro-static

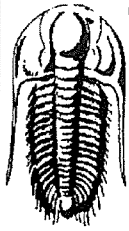
Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m	0.05

* 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.

21-20s-34w Scott,KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 54726

DST#: 6

ATTN: Ryan Seib

Test Start: 2013.09.26 @ 16:28:00

Tool Information

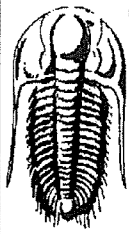
Drill Pipe:	Length: 4389.00 ft	Diameter: 3.80 inches	Volume: 61.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4530.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 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			4503.00	
Shut In Tool	5.00			4508.00	
Hydraulic tool	5.00			4513.00	
Jars	5.00			4518.00	
Safety Joint	3.00			4521.00	
Packer	5.00			4526.00	28.00 Bottom Of Top Packer
Packer	4.00			4530.00	
Stubb	1.00			4531.00	
Recorder	0.00	6772	Outside	4531.00	
Recorder	0.00	8845	Outside	4531.00	
Perforations	31.00			4562.00	
Change Over Sub	1.00			4563.00	
Drill Pipe	31.00			4594.00	
Change Over Sub	1.00			4595.00	
Bullnose	5.00			4600.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

21-20s-34w Scott,KS

4924 SE 84th St
New ton, KS 67114

Danfield 21 #1

Job Ticket: 54726

DST#: 6

ATTN: Ryan Seib

Test Start: 2013.09.26 @ 16:28:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100m	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

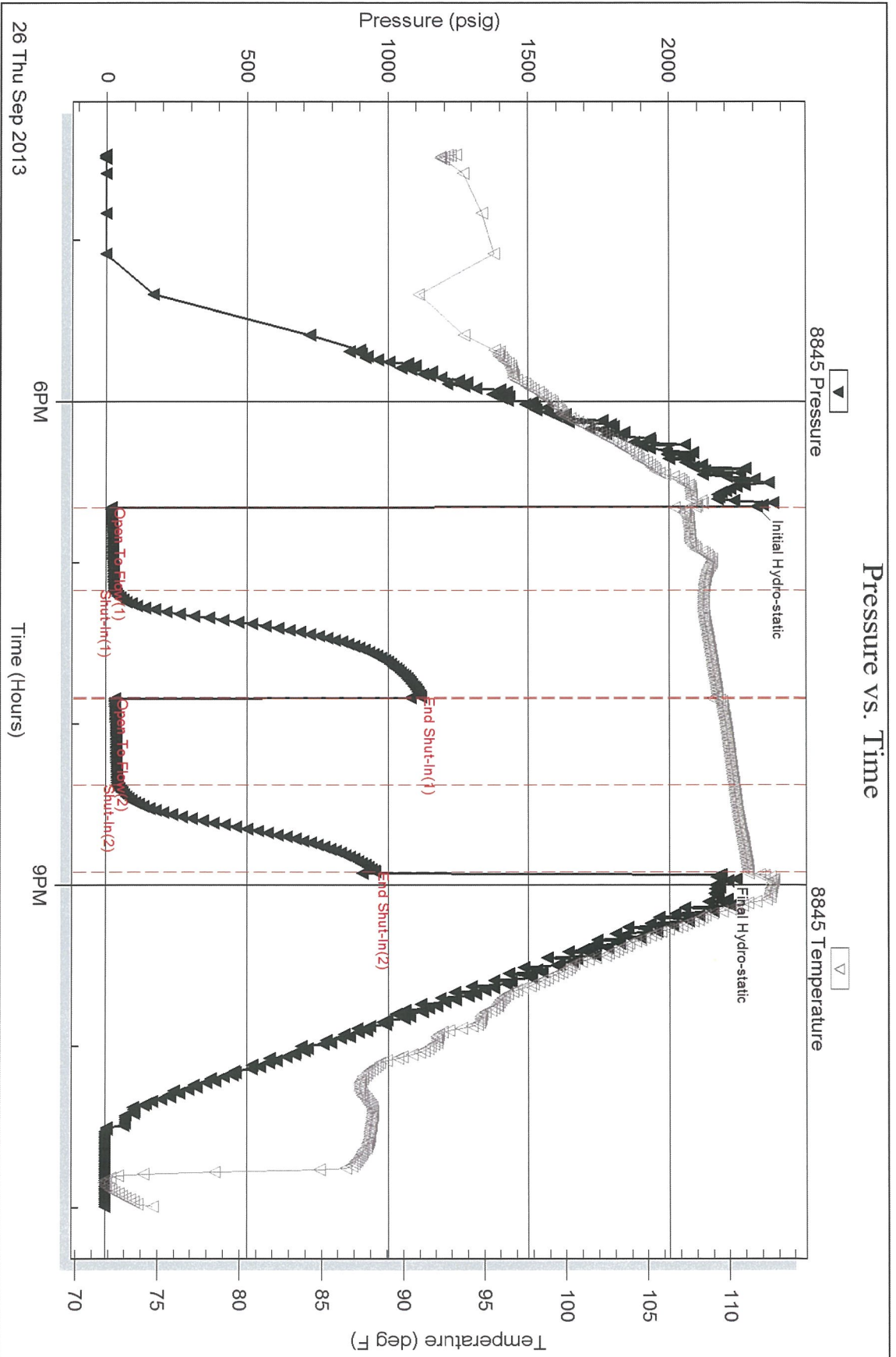
Serial #: 8845

Outside Palomino Petroleum, Inc.

Danfield 21 #1

DST Test Number: 6

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54726

Printed: 2013.10.01 @ 10:13:55



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52871

Well Name & No. Donfield 21 #1 Test No. 1 Date 9/23/13
 Company Palomar Petroleum, Inc. Elevation 3079 KB 3074 GL
 Address 4924 SE 84th ST Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 21 Twp. 20 S Rge. 34W Co. Scott State KS

Interval Tested 4102 - 4171 Zone Tested Lansing "G"
 Anchor Length 69' Drill Pipe Run 3981 Mud Wt. 9.1
 Top Packer Depth 4098 Drill Collars Run 123 Vis 64
 Bottom Packer Depth 4102 Wt. Pipe Run Ø WL 7.2
 Total Depth 4171 Chlorides 3600 ppm System LCM 1

Blow Description IF: BOB @ 4min.
ISI: No Return.
FF: BOB @ 5min.
FSI: No Return.

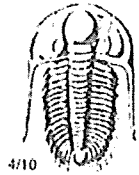
Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>WM</u>		<u>45</u>	<u>55</u>	
<u>660</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 910 BHT 114 Gravity - API RW .198 @ 67 °F Chlorides 38000 ppm
 (A) Initial Hydrostatic 2052 Test 1250 T-On Location 2:30
 (B) First Initial Flow 59 Jars 250 T-Started 3:49
 (C) First Final Flow 265 Safety Joint 75 T-Open 6:20
 (D) Initial Shut-In 1000 Circ Sub N/C T-Pulled 8:07
 (E) Second Initial Flow 282 Hourly Standby T-Out 10:39
 (F) Second Final Flow 442 Mileage 46 R/T 71.30 Comments
 (G) Final Shut-In 999 Sampler Ruined Shale Packer
 (H) Final Hydrostatic 2019 Straddle Ruined Packer
 Shale Packer 250 Extra Copies

Initial Open 20 Extra Packer
 Initial Shut-In 30 Extra Recorder Sub Total 0
 Final Flow 20 Day Standby Total 1896.30
 Final Shut-In 30 Accessibility MP/DST Disc't
 Sub Total 1896.30

Approved By _____ Our Representative

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52872

Well Name & No. <u>Danfield 21 #1</u>	Test No. <u>2</u>	Date <u>9/23/13</u>
Company <u>Palomino Petroleum, Inc.</u>	Elevation <u>3079</u>	KB <u>3074</u> GL
Address <u>4924 SE 84th ST Newton, KS 67114</u>		
Co. Rep / Geo. <u>Ryan Seib</u>	Rig <u>WW #10</u>	
Location: Sec. <u>21</u> Twp. <u>20S</u> Rge. <u>34W</u> Co. <u>Scott</u> State <u>KS</u>		

Interval Tested <u>4163-4231</u>	Zone Tested <u>Lansing "H&Z"</u>
Anchor Length <u>68</u>	Drill Pipe Run <u>4043</u> Mud Wt. <u>9.2</u>
Top Packer Depth <u>4159</u>	Drill Collars Run <u>23</u> Vis <u>56</u>
Bottom Packer Depth <u>4163</u>	Wt. Pipe Run <u>Ø</u> WL <u>8.0</u>
Total Depth <u>4231</u>	Chlorides <u>5600</u> ppm System LCM <u>1</u>

Blow Description IF: 1/4" Blow.
ISE: No Return.
FF: No Blow.
FSE: No Return.

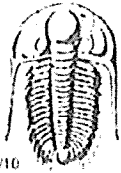
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total <u>5</u>	BHT <u>106</u>	Gravity <u>—</u>	API RW <u>—</u>	@ <u>—</u>	F Chlorides <u>—</u> ppm
(A) Initial Hydrostatic <u>2052</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>20:10</u>			
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>20:29</u>			
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>22:23</u>			
(D) Initial Shut-In <u>502</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>00:35</u>			
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2:39</u>			
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>46 R/T</u> 71.30	Comments			
(G) Final Shut-In <u>542</u>	<input type="checkbox"/> Sampler				
(H) Final Hydrostatic <u>1967</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer			
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer 250	<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>1896.30</u>			
	<input type="checkbox"/> Accessibility	MP/DSI Disc't			
	Sub Total <u>1896.30</u>				

Approved By J SP

Our Representative

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52873

Well Name & No. <u>Danfield 21 # 1</u>	Test No. <u>3</u>	Date <u>9/24/13</u>
Company <u>Palomino Petroleum, Inc.</u>	Elevation <u>3079</u>	KB. <u>3074</u> Gl.
Address <u>4924 SE 84th ST Newton, KS 67114</u>		
Co. Rep / Geo. <u>Ryan Seib</u>	Rig <u>WW #10</u>	
Location: Sec. <u>21</u> Twp. <u>20S</u> Rge. <u>34W</u> Co. <u>Scott</u> State <u>KS</u>		

Interval Tested <u>4284-4387</u>	Zone Tested _____
Anchor Length <u>103</u>	Drill Pipe Run <u>4140</u> Mud Wt. <u>9.3</u>
Top Packer Depth <u>4280</u>	Drill Collars Run <u>123</u> Vis <u>50</u>
Bottom Packer Depth <u>4284</u>	Wt. Pipe Run <u>0</u> WL <u>9.6</u>
Total Depth <u>4387</u>	Chlorides <u>6200</u> ppm System LCM <u>1</u>
Blow Description <u>IF: BoB @ 1 min.</u>	

ISI: NO Return.
FF: BoB @ 45 seconds.
FSI: NO Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>300</u>	<u>WM</u>		<u>30</u>	<u>70</u>	
<u>315</u>	<u>MW</u>		<u>60</u>	<u>40</u>	
<u>1640</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total <u>2255</u> BHT <u>118</u>	Gravity <u>—</u> API RW <u>152</u> @ <u>68</u> °F Chlorides <u>50,000</u> ppm
(A) Initial Hydrostatic <u>2137</u>	<input checked="" type="checkbox"/> Test <u>1250</u> T-On Location <u>16:00</u>
(B) First Initial Flow <u>662</u>	<input checked="" type="checkbox"/> Jars <u>250</u> T-Started <u>16:27</u>
(C) First Final Flow <u>836</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u> T-Open <u>18:12</u>
(D) Initial Shut-In <u>1090</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u> T-Pulled <u>19:33</u>
(E) Second Initial Flow <u>896</u>	<input type="checkbox"/> Hourly Standby T-Out <u>21:59</u>
(F) Second Final Flow <u>1009</u>	<input checked="" type="checkbox"/> Mileage <u>46 RT</u> 71.30
(G) Final Shut-In <u>1091</u>	<input type="checkbox"/> Sampler
(H) Final Hydrostatic <u>2064</u>	<input type="checkbox"/> Straddle

Comments Had H2S Gas
meter ~~showed~~ showed
9.5 PPM

Initial Open <u>10</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1896.30</u>
	<input type="checkbox"/> Accessibility	MP/DST Misc't
	Sub Total <u>1896.30</u>	

Approved By J Seib Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52874

Well Name & No.	Danfield 21 #1	Test No.	4	Date	9/25/13
Company	Palomino Petroleum, Inc.	Elevation	3079	KB	3074
Address	4924 SE 84 th ST Newton, KS 67114				
Co. Rep / Geo.	Ryan Seib	Rig	WW #10		
Location: Sec.	21	Twp.	20 th	Rge.	34W
		Co.	Scott	State	KS

Interval Tested	4376 - 4445	Zone Tested	Pleasanton
Anchor Length	69	Drill Pipe Run	4230
Top Packer Depth	4372	Drill Collars Run	123
Bottom Packer Depth	4376	Wt. Pipe Run	Ø
Total Depth	4445	Chlorides	6000 ppm System
Blow Description	IF: 10" Blow		

IFI:

FF: N/A Could Not turn tool backspinning

PST:

Rec	Feet of	%gas	%oil	%water	%mud
215	MW		70	30	

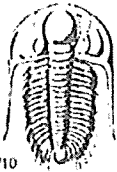
Rec Total 215 BIT 116 Gravity — API RW, 119 @ 78 °F Chlorides 55,000 ppm

(A) Initial Hydrostatic	2223	<input checked="" type="checkbox"/> Test	1050	T-On Location	7:30
(B) First Initial Flow	20	<input checked="" type="checkbox"/> Jars	250	T-Started	7:44
(C) First Final Flow	117	<input checked="" type="checkbox"/> Safety Joint	75	T-Open	9:32
(D) Initial Shut-In	N/A	<input checked="" type="checkbox"/> Circ Sub	N/C	T-Pulled	10:09
(E) Second Initial Flow	N/A	<input type="checkbox"/> Hourly Standby		T-Out	12:08
(F) Second Final Flow	N/A	<input checked="" type="checkbox"/> Mileage	46 RT 71.30	Comments	
(G) Final Shut-In		<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	2105	<input type="checkbox"/> Straddle			

Initial Open	30	<input checked="" type="checkbox"/> Shale Packer	250	<input type="checkbox"/> Ruined Shale Packer	
Initial Shut-In	N/A	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Ruined Packer	
Final Flow	N/A	<input type="checkbox"/> Extra Recorder		<input type="checkbox"/> Extra Copies	
Final Shut-In		<input type="checkbox"/> Day Standby		Sub Total	0
		<input type="checkbox"/> Accessibility		Total	1696.30
		Sub Total	1696.30	MP/DST/Disct	

Approved By _____ Our Representative

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TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52875

Well Name & No. <u>Danfield 21 #1</u>	Test No. <u>5</u>	Date <u>9/25/13</u>
Company <u>Palomino Petroleum, Inc</u>	Elevation <u>3079</u>	KB <u>3074</u> GI.
Address <u>4924 SE 84th St Newton, KS 67114</u>		
Co. Rep / Geo. <u>Ryan Scib</u>	Rig <u>NW #10</u>	
Location: Sec. <u>21</u>	Twp. <u>20S</u>	Rge. <u>34W</u> Co. <u>Scott</u> State <u>KS</u>

Interval Tested <u>4456-4535</u>	Zone Tested <u>Marmaton</u>
Anchor Length <u>77</u>	Drill Pipe Run <u>4327</u> Mud Wt. <u>9.3</u>
Top Packer Depth <u>4454</u>	Drill Collars Run <u>123</u> Vis <u>50</u>
Bottom Packer Depth <u>4456</u>	Wt. Pipe Run <u>Ø</u> WL <u>10.4</u>
Total Depth <u>4535</u>	Chlorides <u>6000</u> ppm System LCM <u>1</u>

Blow Description IF: BOB 1/2 min.
ISI: Bled off for 5 min. BOB Return @ 8 min.
FE: BOB immediately GTS @ 12 min.
FST: Bled off for 5 min. BOB @ 11 min.

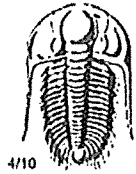
Rec	Feet of	%gas	%oil	%water	%mud
<u>2930</u>	<u>GO</u>	<u>30</u>	<u>70</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total <u>2930</u>	BHT <u>121</u>	Gravity <u>31</u>	API RW <u>—</u>	@ <u>—</u>	F Chlorides <u>—</u> ppm
(A) Initial Hydrostatic <u>2258</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>22:45</u>			
(B) First Initial Flow <u>433</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>23:01</u>			
(C) First Final Flow <u>675</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:50</u>			
(D) Initial Shut-In <u>1122</u>	<input checked="" type="checkbox"/> Circ Sub <u>USED 50</u>	T-Pulled <u>2:21</u>			
(E) Second Initial Flow <u>717</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:20</u>			
(F) Second Final Flow <u>895</u>	<input checked="" type="checkbox"/> Mileage <u>46 R/T</u> <u>71.30</u>	Comments <u>Gravity: 31 @ 60 = 31</u>			
(G) Final Shut-In <u>1154</u>	<input type="checkbox"/> Sampler	<u>Reversed out into Truck</u>			
(H) Final Hydrostatic <u>2221</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer			

Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1946.30</u>
	<input type="checkbox"/> Accessibility	MP/DIST Disc't
	Sub Total <u>1946.30</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54726

Well Name & No. Danfield 21 #1 Test No. 6 Date 9/26/13
 Company Palomino Petroleum, Inc. Elevation 3079 KB 3074 GL
 Address 4924 SE 84th ST Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 21 Twp. 20S Rge. 34W Co. Scott State KS

Interval Tested 4530 - 4600 Zone Tested Pawnee
 Anchor Length 70 Drill Pipe Run 4389 Mud Wt. 9.3
 Top Packer Depth 4526 Drill Collars Run 123 Vis 48
 Bottom Packer Depth 4530 Wt. Pipe Run Ø WL 8.8
 Total Depth 4600 Chlorides 6400 ppm System LCM 1

Blow Description IF: 1/4" Blw.
ISI: No Return.
FF: No Blow
F&L: No Return

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

Rec Total 10 BHT 111 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2312</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>16:05</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:28</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:39</u>
(D) Initial Shut-In <u>116</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>20:54</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>22:59</u>
(F) Second Final Flow <u>40</u>	<input checked="" type="checkbox"/> Mileage <u>46 R/T x 2</u> 142.69	Comments <u>Loaded tools @</u>
(G) Final Shut-In <u>953</u>	<input type="checkbox"/> Sampler	<u>17:00 9/28/13</u>
(H) Final Hydrostatic <u>2183</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>800</u>
Final Shut-In <u>30</u>	<input checked="" type="checkbox"/> Day Standby <u>X2</u> 1d 18h	Total <u>3117.60</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1967.60</u>	

Approved By _____ Our Representative [Signature]

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