

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



RECEIVED  
 JUL 17 2013

# Invoice

DATE	INVOICE #
7/12/2013	24576

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	Lewis-Fields	Ness	Cheyenne Well Se...	Oil	Development	Cement Port Collar	Jason

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	20	Miles	6.00	120.00
576D-D	Pump Charge - Port Collar	1	Job	1,500.00	1,500.00
105	Port Collar Tool Rental With Man	1	Each	350.00	350.00T
107	Stripper Head Rental Per Day	1	Each	250.00	250.00T
276	Flocele	35	Lb(s)	2.00	70.00T
290	D-Air	1.5	Gallon(s)	42.00	63.00T
330	Swift Multi-Density Standard (MIDCON II)	135	Sacks	17.00	2,295.00T
581D	Service Charge Cement	175	Sacks	2.00	350.00
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				5,248.00
	Sales Tax Ness County			6.15%	186.22

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$5,434.22
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Services, Inc.

CHARGE TO: PALOMINO PETROLEUM  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET  
 No. **24576**

PAGE 1 OF

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Ness City, KS</u>	<u>#1</u>	<u>Jewiss Fields</u>	<u>Ness</u>	<u>KS</u>	<u>LARD, KS</u>	<u>12 July 13</u>	
2.	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	<input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	<u>CHEYENNE WELL SERV.</u>					
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	<u>OIL</u>	<u>DEVELOPMENT</u>	<u>CEMENT PORT COLLAR</u>		<u>753 WJ '85 WJ 20</u>		
	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	80	mil			6.00	480.00
576					PUMP CHARGE	1	JOB			1500.00	1500.00
105					PORT COLLAR DRINK TROL		ATB			350.00	350.00
107					STRIPPER HEAD RENTAL		1 JOB			250.00	250.00
276					FLOCELE	35	lbs			2.00	70.00
290					D-AIR	1 1/2	gal			42.00	63.00
330					SMD CEMENT	135	5x			17.00	2295.00
581					CEMENT SERVICE CHARGE	175	5x			2.00	350.00
83					MINIMUM DRAINAGE	17390	lbs	173.90	7M	250.00	250.00

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

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 DATE SIGNED: 12 July 13 TIME SIGNED: 1100  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?				52x18.00
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		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				
TOTAL				5434.00

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

JOB LOG

SWIFT Services, Inc.

DATE 12 July 13 PAGE NO.

CUSTOMER  
VALDEMARO PETROLEUM

WELL NO.  
# 1

LEASE  
LEWIS FIELDS

JOB TYPE  
CEMENT PORT COLLAR

TICKET NO.  
24576

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0845							ON LOCATION
								PORT COLLAR @ 1722
	0956				✓		1000	TEST - HELD
	0958							OPEN PORT COLLAR
	1002	4	75	✓		500		MIX 135sx SMD
		3	6	✓		300		DISPLACE CEMENT
								CIRCULATE 20sx TO PIT
	1022				✓		1000	CLOSE PORT COLLAR
								TEST - HELD
								RUN 4 STS.
	1035	4	20	✓			300	REVERSE CLEAN
	1045							WASH TRUCK
	1130							JOB COMPLETE
								THANKS #115
								JASON JEFF DONG





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



RECEIVED  
JUL 09 2013

# Invoice

DATE	INVOICE #
7/5/2013	24825

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	Lewis-Fields	Ness	Maverick Drilling	Oil	Development	5-1/2" LongString	Wayne
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	6.00	240.00
578D-L	Pump Charge - Long String - 4629 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
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
403-5	5 1/2" Cement Basket				2	Each	285.00	570.00T
404-5	5 1/2" Port Collar - Top Joint #69 - 1730 Feet				1	Each	2,650.00	2,650.00T
409-5	5 1/2" Turbolizer				10	Each	90.00	900.00T
410-5	5 1/2" Top Plug				1	Each	100.00	100.00T
325	Standard Cement				100	Sacks	14.00	1,400.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	17.00	2,125.00T
276	Flocele				50	Lb(s)	2.00	100.00T
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				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				457.2	Ton Miles	1.00	457.20
	Subtotal							12,178.20
	Sales Tax Ness County						6.15%	586.16

**We Appreciate Your Business!**

**Total**

\$12,764.36



CHARGE TO: **Palomero Petroleum**  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET  
 No: **24825**

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. **Ness City, KS**

WELL/PROJECT NO. # **1** LEASE **LEADS - FEEDS** COUNTY/PARISH **Ness** STATE **KS** CITY  
 TICKET TYPE  SERVICE CONTRACTOR **Maverick Drilling** RIG NAME/NO.  
 2.  SALES WELL TYPE **Oil** WELL CATEGORY **Development** JOB PURPOSE **5 1/2" Lowerstring** SHIPPED VIA **Truck** DELIVERED TO **Location** DATE **7-5-13** OWNER **same**  
 3. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
575		1			MILEAGE # <b>115</b>	40	MT			6.00	240.00
578		1			PUMP CHARGE	1	JOB	4629	FT	1500.00	1500.00
221		1			GROUND KCL	4	BAR			25.00	100.00
281		1			MUDFLUSH	500	BAR			1.25	625.00
400		1			GUIDE SHOE	1	EA	5 1/2"		200.00	200.00
401		1			INSERT FLOAT VALVE W/ANO FILL	1	EA			160.00	160.00
403		1			CEMENT BASKETS	2	EA			285.00	570.00
404		1			PORT COVER TIGHT #69	1	EA	1730	FT	2650.00	2650.00
409		1			TURBOCHARGERS	10	EA			90.00	900.00
410		1			TOP RING	1	EA			100.00	100.00

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

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL #	TOTAL
#1	7045.00
#2	5133.20
Subtotal	12,178.20
TAX	586.10
TOTAL	12,764.30

DATE SIGNED **7-5-13** TIME SIGNED **2330**  P.M.

SWIFT OPERATOR **WAVE HENSON** APPROVAL **[Signature]**

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. 24825

CUSTOMER **PALOMINO Petroleum**

WELL **Lewis - Lewis #1**

DATE **7-5-13**

PAGE **2** OF **2**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		1				STANDARD Cement	EA-2	100	SLS		14.00	1400.00
330		1				SLUDG M-LTE - DENSITY STANWEL		125	SLS		17.00	2125.00
276		1				FlueCEL		50	lbs		2.00	100.00
283		1				SALT		500	lbs		20	100.00
284		1				CALSAK		5	SLS	500 lbs	35.00	175.00
285		1				CFR-1		50	lbs		4.00	200.00
290		1				D-ALR		3	gal		42.00	126.00
581		1				SERVICE CHARGE					2.00	450.00
583		1				MILEAGE CHARGE					1.00	457.20
						TOTAL WEIGHT		22860				
						LOADED MILES		40				
						CUBIC FEET		225				
						TON MILES		457.20				
						CONTINUATION TOTAL						5133.20



**JOB LOG**

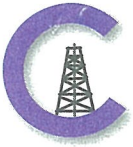
**SWIFT Services, Inc.**

DATE **7-5-13** PAGE NO. **1**

CUSTOMER **PALOMIZO PETROLEUM** WELL NO. **#1** LEASE **LEWIS - FIELDS** JOB TYPE **5/2" LONGSTRING** TICKET NO. **24825**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/HEAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2330							ON LOCATION
	0115							START 5/2" CASING IN WELL
								TD - 4630 SET = 4629
								TP - 4629 5/2" # 14
								ST - 36'
								TURBOVISORS - 2, 3, 4, 5, 6, 7, 8, 9, 10, 68
								CMT BSRS - 2, 69
								PORT COLLAR = 1730 TOP JOINT # 69
	0315							DROP BALL - CIRCULATE
	0420	6	12		✓		450	PUMP 500 GAL MUD FLUSH
	0422	6	20		✓		450	PUMP 20 BBL KCL - FLUSH
	0430		7-5					PLUG RH (30SKS) MH (20SKS)
	0435	4 1/4	28		✓		250	MEX CEMENT - 75 SKS SMD @ 12.7 PPG
		4 1/4	24		✓		100	100 SKS EA2 @ 15.5 PPG
	0450							WASH OUT PUMP & LINES
	0450							RELEASE TOP PLUG
	0455	8	0		✓			DISPLACE PLUG (1ST TANK 2% KCL WATER)
	0510	6 1/2	112				1500	PLUG DOWN
	0515						OK	RELEASE PSE - HELD
								WASH TRUCK
	0600							JOB COMPLETE

THANK YOU  
WAYNE, JASON, DOUG



**CONSOLIDATED**  
Oil Well Services, LLC

**RECEIVED**

**JUL 05 2013**

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

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

INVOICE

Invoice # 260143

Invoice Date: 06/30/2013 Terms: 10/10/30,n/30

Page 1

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

LEWIS-FIELDS #1  
39940  
6-20-25  
06-28-2013  
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	-168.50

Description	Hours	Unit Price	Total
405 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
405 EQUIPMENT MILEAGE (ONE WAY)	20.00	5.25	105.00
T-129 MIN. BULK DELIVERY	1.00	430.00	430.00

Amount Due 5492.19 if paid after 07/30/2013

Parts:	3581.55	Freight:	.00	Tax:	203.08	AR	4942.97
Labor:	.00	Misc:	.00	Total:	4942.97		
Sublt:	-526.66	Supplies:	.00	Change:	.00		

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





**CONSOLIDATED**  
Oil Well Services, LLC

26043

TICKET NUMBER 39940  
LOCATION Oakley, KS  
FOREMAN Walt Dunkel

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
6-28-13	6285	Lewis-Fields #1	6	20 <sup>o</sup>	25 <sup>W</sup>	Ness
CUSTOMER Palomino Petroleum			Ness Ct			
MAILING ADDRESS			8W to J Rd, 75 to Rd 60 3W 1/2 S-415			
CITY			TRUCK #		DRIVER	
STATE			405		Jerry Yates	
ZIP CODE			529-T129		Tim Wareham	
					Dustin Johnson	

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 221' CASING SIZE & WEIGHT 8 5/8 - 20#  
 CASING DEPTH 221' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 15' to 20'  
 DISPLACEMENT 12 3/4 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Safety Meeting, rig up on Maverick #108, circ casing on bottom, mix 165 SKS com, 3% acc - 2% lal, Displace 12 3/4 BBL H2O  
Shut in  
Cement Dial Circ  
Approx 4 BBL to Pit

Thank You  
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1,150 <sup>00</sup>	1,150 <sup>00</sup>
5406	20	MILEAGE	5 <sup>25</sup>	105 <sup>00</sup>
11045	165 SKS	Class A Cement	18 <sup>55</sup>	3,060 <sup>75</sup>
1102	465 #	Calcium Chloride	.94	437 <sup>10</sup>
11183	310 #	Gel	.27	83 <sup>70</sup>
5407	7.76	Ton Mileage Delivery	1.75	430 <sup>00</sup>
				5,266 <sup>55</sup>
				526 <sup>66</sup>
		Less 10% Disc		4,739 <sup>89</sup>
		SALES TAX		203 <sup>08</sup>
		ESTIMATED TOTAL		4942 <sup>97</sup>

Completed

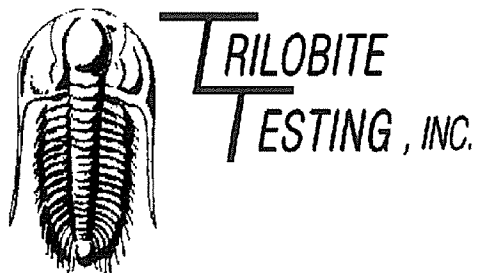
Ravin 3737

AUTHORIZATION \_\_\_\_\_

TITLE Toolpusher

DATE 6-28-2013

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 84 th  
Newton KS 67114

ATTN: Ryan Seib

**Lewis-Fields #1**

**6-20s-25w Ness,KS**

Start Date: 2013.07.04 @ 10:04:12

End Date: 2013.07.04 @ 17:30:05

Job Ticket #: 041052                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.07.09 @ 13:46:40

Palomino Petroleum Inc  
6-20s-25w Ness,KS  
Lewis-Fields #1  
DST # 1  
Mississippian  
2013.07.04



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84 th  
 Newton KS 67114  
 ATTN: Ryan Seib

**6-20s-25w Ness,KS**  
**Lewis-Fields #1**  
 Job Ticket: 041052      **DST#: 1**  
 Test Start: 2013.07.04 @ 10:04:12

### GENERAL INFORMATION:

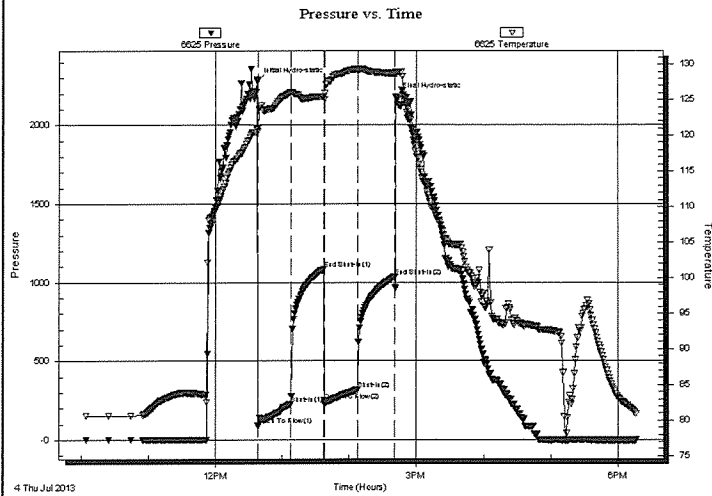
Formation: **Mississippian**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 12:38:05  
 Time Test Ended: 17:30:05  
 Interval: **4413.00 ft (KB) To 4508.00 ft (KB) (TVD)**  
 Total Depth: 4508.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jeff Brown  
 Unit No: 67  
 Reference Elevations: 2490.00 ft (KB)  
 2480.00 ft (CF)  
 KB to GR/CF: 10.00 ft

### Serial #: 6625

**Outside**

Press@RunDepth: 318.51 psig @ 4480.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.07.04      End Date: 2013.07.04      Last Calib.: 2013.07.04  
 Start Time: 10:04:35      End Time: 18:16:05      Time On Btm: 2013.07.04 @ 12:37:35  
 Time Off Btm: 2013.07.04 @ 14:41:35

TEST COMMENT: IFP=Strong blow BOB in 5 min  
 ISI=Weak blow back built to 1-1/2 in Died back to 1"  
 FFP=Good blow BOB in 6 min  
 FSI=Weak blow back built to 1" died back to 1/4"



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.30	120.98	Initial Hydro-static
1	90.39	120.56	Open To Flow (1)
30	229.04	126.06	Shut-In(1)
60	1084.74	125.40	End Shut-In(1)
60	248.17	125.05	Open To Flow (2)
90	318.51	129.20	Shut-In(2)
123	1034.78	128.67	End Shut-In(2)
124	2180.88	128.87	Final Hydro-static

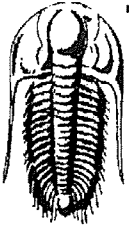
### Recovery

Length (ft)	Description	Volume (bbl)
378.00	GWMC0 20%G 55%O 5%W 20%M	5.30
126.00	GMCO 15%G 60%O 25%M	1.77
262.00	Gassy Oil 35%G 65%O	3.68
0.00	368-GIP	0.00

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

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

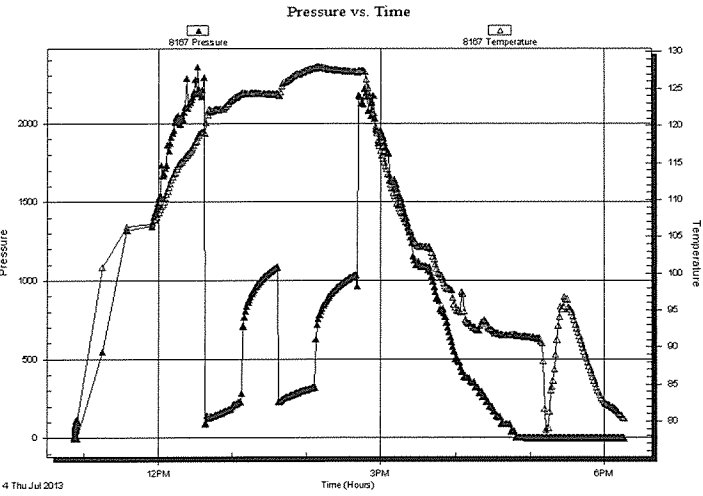
**6-20s-25w Ness,KS**  
**Lewis-Fields #1**  
Job Ticket: 041052      **DST#: 1**  
Test Start: 2013.07.04 @ 10:04:12

**GENERAL INFORMATION:**

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 12:38:05  
 Tester: Jeff Brown  
 Time Test Ended: 17:30:05  
 Unit No: 67  
 Interval: **4413.00 ft (KB) To 4508.00 ft (KB) (TVD)**  
 Reference Elevations: 2490.00 ft (KB)  
 Total Depth: 4508.00 ft (KB) (TVD)  
 2480.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 10.00 ft

**Serial #: 8167**      **Inside**  
 Press@RunDepth:      psig @      4480.00 ft (KB)      Capacity:      8000.00 psig  
 Start Date:      2013.07.04      End Date:      2013.07.04      Last Calib.:      2013.07.04  
 Start Time:      10:52:16      End Time:      18:15:41      Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IFP=Strong blow BOB in 5 min  
 IS=Weak blow back built to 1-1/2 in Died back to 1"  
 FFP=Good blow BOB in 6 min  
 FSI=Weak blow back built to 1" died back to 1/4"



**PRESSURE SUMMARY**

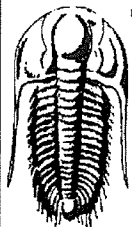
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
378.00	GWMCO 20%G 55%O 5%W 20%M	5.30
126.00	GMCO 15%G 60%O 25%M	1.77
262.00	Gassy Oil 35%G 65%O	3.68
0.00	368-GIP	0.00

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc

**6-20s-25w Ness,KS**

4924 SE 84 th  
New ton KS 67114

**Lewis-Fields #1**

Job Ticket: 041052

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2013.07.04 @ 10:04:12

### Tool Information

Drill Pipe:	Length: 4406.00 ft	Diameter: 3.80 inches	Volume: 61.80 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 61.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4413.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	123.00 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			4386.00	
Shut In Tool	5.00			4391.00	
Hydraulic tool	5.00			4396.00	
Jars	5.00			4401.00	
Safety Joint	3.00			4404.00	
Packer	4.00			4408.00	28.00 Bottom Of Top Packer
Packer	5.00			4413.00	
Stubb	1.00			4414.00	
Perforations	2.00			4416.00	
Change Over Sub	1.00			4417.00	
Drill Pipe	62.00			4479.00	
Change Over Sub	1.00			4480.00	
Recorder	0.00	6625	Outside	4480.00	
Recorder	0.00	8167	Inside	4480.00	
Perforations	25.00			4505.00	
Bullnose	3.00			4508.00	95.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>123.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc

**6-20s-25w Ness,KS**

4924 SE 84 th  
New ton KS 67114

**Lewis-Fields #1**

Job Ticket: 041052

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2013.07.04 @ 10:04:12

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

9500 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
378.00	GVMCO 20%G 55%O 5%W 20%M	5.302
126.00	GMCO 15%G 60%O 25%M	1.767
262.00	Gassy Oil 35%G 65%O	3.675
0.00	368-GIP	0.000

Total Length: 766.00 ft      Total Volume: 10.744 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



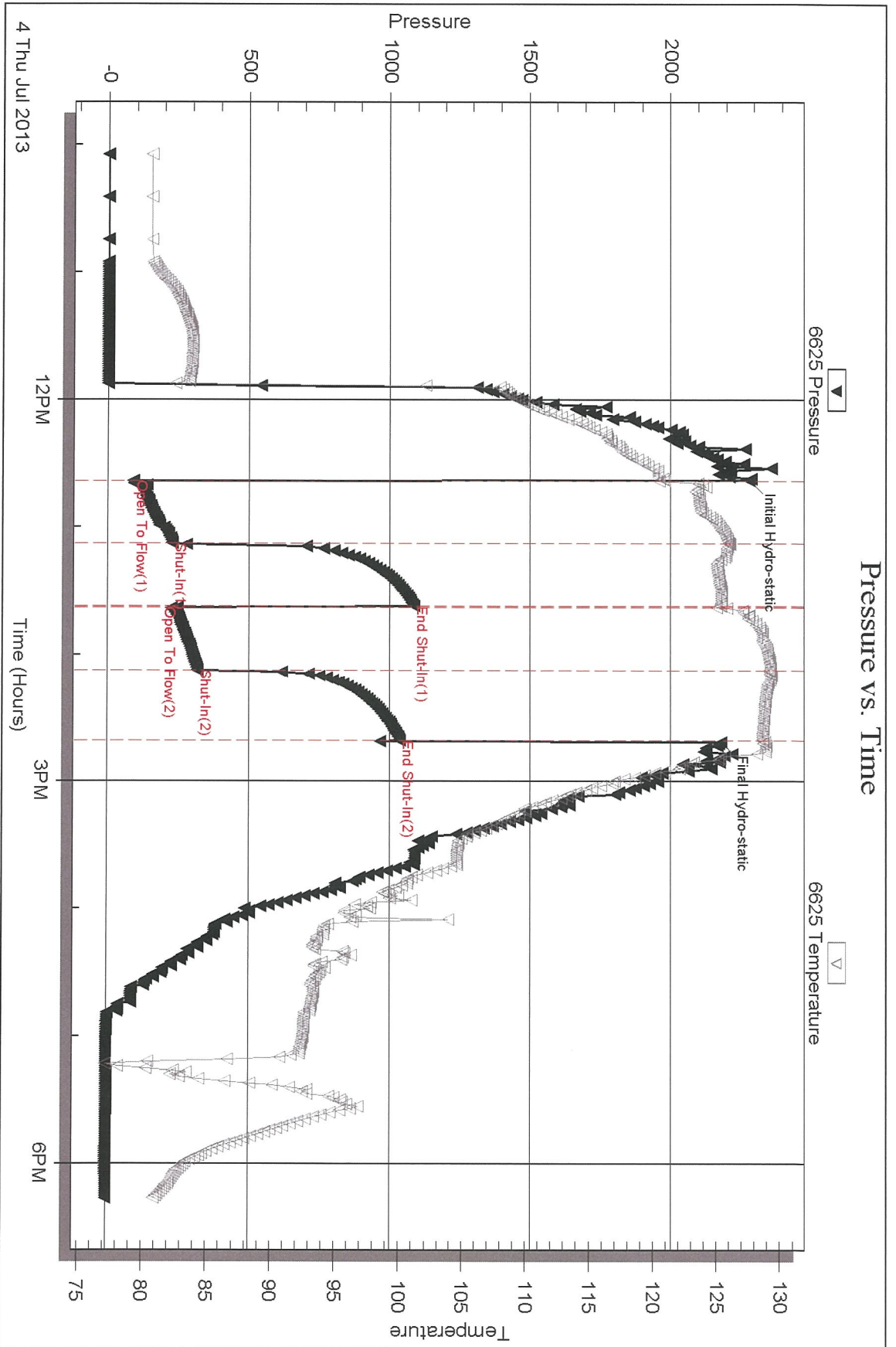
Serial #: 6625

Outside Palomiro Petroleum Inc

Lewis-Fields #1

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 041052

Printed: 2013.07.09 @ 13:46:44

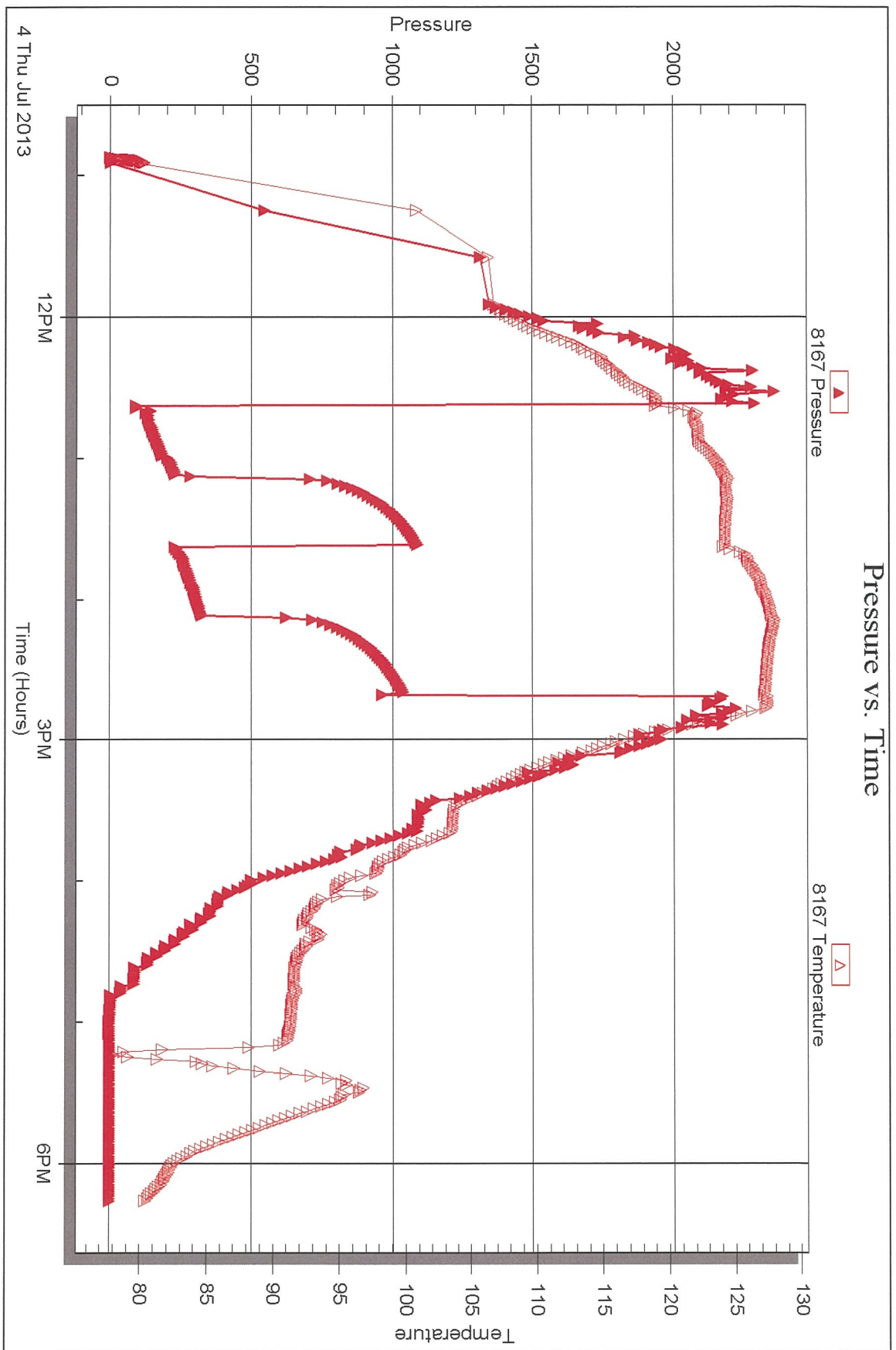
Serial #: 8167

Inside

Palomno Petroleum Inc

Lewis-Fields #1

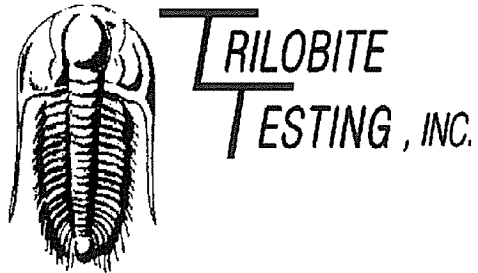
DST Test Number: 1



Tribolite Testing, Inc

Ref. No: 041052

Printed: 2013.07.09 @ 13:46:45



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84 th  
Newton KS 67114

ATTN: Ryan Seib

**Lewis-Fields #1**

**6-20s-25w Ness,KS**

Start Date: 2013.07.05 @ 07:43:55

End Date: 2013.07.05 @ 15:20:25

Job Ticket #: 041053                      DST #: 2

Trilobite Testing, Inc

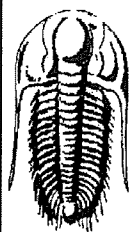
PO Box 362 Hays, KS 67601

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

Printed: 2013.07.09 @ 13:39:16

Palomino Petroleum Inc  
6-20s-25w Ness,KS  
Lewis-Fields #1  
DST # 2  
Mississippian  
2013.07.05





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc

**6-20s-25w Ness,KS**

4924 SE 84 th  
New ton KS 67114

**Lewis-Fields #1**

Job Ticket: 041053

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2013.07.05 @ 07:43:55

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:14:25

Time Test Ended: 15:20:25

Test Type: Conventional Straddle (Reset)

Tester: Jeff Brown

Unit No: 67

Interval: **4525.00 ft (KB) To 4544.00 ft (KB) (TVD)**

Reference Elevations: 2490.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD)

2480.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

## Serial #: 8167

Inside

Press@RunDepth: 365.53 psig @ 4530.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.05

End Date: 2013.07.05

Last Calib.: 2013.07.05

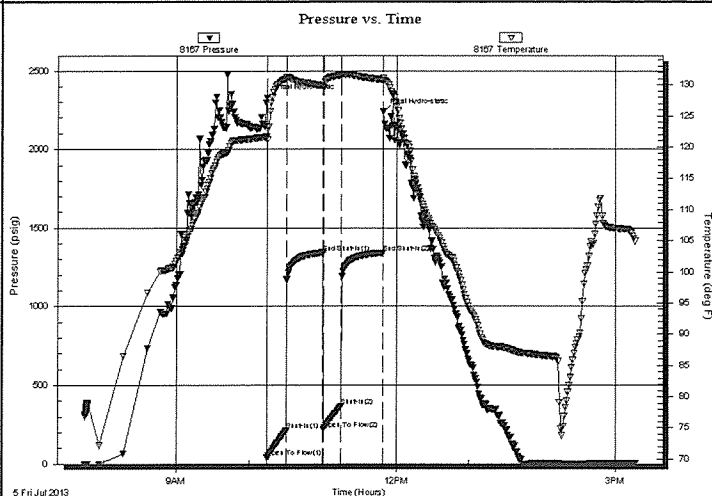
Start Time: 07:43:56

End Time: 15:16:25

Time On Btm: 2013.07.05 @ 10:13:55

Time Off Btm: 2013.07.05 @ 11:49:25

TEST COMMENT: IFP=Strong blow BOB in 4 min  
IS=Dead no blow back  
FFP=Good blow BOB in 5-1/2 min  
FS=Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2327.57	121.67	Initial Hydro-static
1	40.16	121.20	Open To Flow (1)
16	209.94	131.01	Shut-In(1)
46	1338.68	129.81	End Shut-In(1)
47	220.78	129.48	Open To Flow (2)
61	365.53	131.54	Shut-In(2)
95	1341.46	130.81	End Shut-In(2)
96	2236.58	131.04	Final Hydro-static

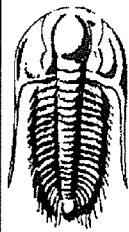
## Recovery

Length (ft)	Description	Volume (bbl)
693.00	MW 5%M 95%W	9.72
83.00	MW with oil spots 45%M 55%W	1.16

\* Recovery from multiple tests

## Gas Rates

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



**TRILLOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum Inc

4924 SE 84 th  
Newton KS 67114

ATTN: Ryan Seib

**6-20s-25w Ness,KS**

**Lewis-Fields #1**

Job Ticket: 041053

**DST#: 2**

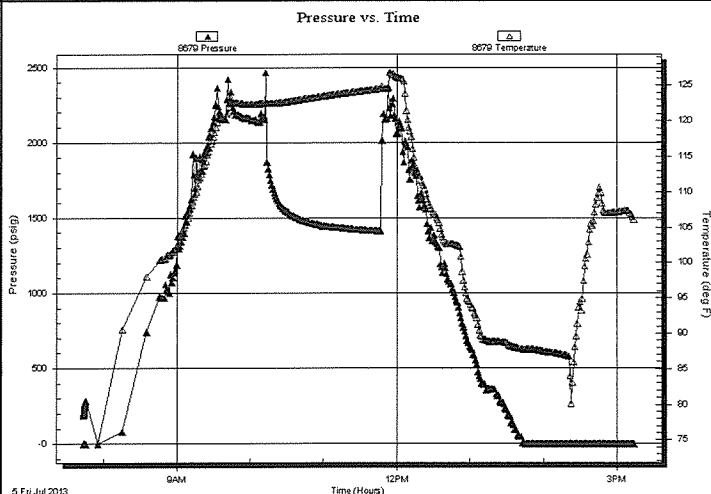
Test Start: 2013.07.05 @ 07:43:55

### GENERAL INFORMATION:

Formation: <b>Mississippian</b>			
Deviated: No	Whipstock:	ft (KB)	Test Type: Conventional Straddle (Reset)
Time Tool Opened: 10:14:25			Tester: Jeff Brown
Time Test Ended: 15:20:25			Unit No: 67
<b>Interval: 4525.00 ft (KB) To 4544.00 ft (KB) (TVD)</b>			Reference Elevations: 2490.00 ft (KB)
Total Depth: 4630.00 ft (KB) (TVD)			2480.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good		KB to GR/CF: 10.00 ft

<b>Serial #: 8679</b>	<b>Below (Straddle)</b>				
Press@RunDepth:	psig @	4546.00 ft (KB)	Capacity:	8000.00 psig	
Start Date: 2013.07.05	End Date:	2013.07.05	Last Calib.:	2013.07.05	
Start Time: 07:43:09	End Time:	15:14:08	Time On Btm:		
			Time Off Btm:		

TEST COMMENT: IFP=Strong blow BOB in 4 min  
 IS=Dead no blow back  
 FFP=Good blow BOB in 5-1/2 min  
 FS=Dead no blow back



### PRESSURE SUMMARY

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

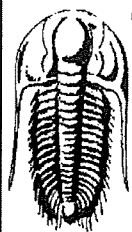
### Recovery

Length (ft)	Description	Volume (bbl)
693.00	MW 5%M 95%W	9.72
83.00	MW w ith oil spots 45%M 55%W	1.16

\* 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

**6-20s-25w Ness,KS**

4924 SE 84 th  
New ton KS 67114

**Lewis-Fields #1**

Job Ticket: 041053

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2013.07.05 @ 07:43:55

### Tool Information

Drill Pipe:	Length: 4528.00 ft	Diameter: 3.80 inches	Volume: 63.52 bbl	Tool Weight: 2400.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 63.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4525.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	4544.00 ft			
Interval between Packers:	19.00 ft			
Tool Length:	133.00 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			4498.00	
Shut In Tool	5.00			4503.00	
Hydraulic tool	5.00			4508.00	
Jars	5.00			4513.00	
Safety Joint	3.00			4516.00	
Packer	4.00			4520.00	28.00 Bottom Of Top Packer
Packer	5.00			4525.00	
Stubb	1.00			4526.00	
Perforations	4.00			4530.00	
Recorder	0.00	8167	Inside	4530.00	
Recorder	0.00	6625	Outside	4530.00	
Perforations	10.00			4540.00	
Blank Off Sub	1.00			4541.00	
Stubb	3.00			4544.00	19.00 Tool Interval
Packer	1.00			4545.00	
Stubb	1.00			4546.00	
Recorder	0.00	8679	Below	4546.00	
Perforations	16.00			4562.00	
Change Over Sub	1.00			4563.00	
Drill Pipe	63.00			4626.00	
Change Over Sub	1.00			4627.00	
Bullnose	3.00			4630.00	86.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>133.00</b>				



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**6-20s-25w Ness,KS**  
**Lewis-Fields #1**  
Job Ticket: 041053      **DST#: 2**  
Test Start: 2013.07.05 @ 07:43:55

## Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	10.78 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3900.00 ppm				
Filter Cake:	inches				

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
693.00	MW 5%M 95%W	9.721
83.00	MW with oil spots 45%M 55%W	1.164

Total Length: 776.00 ft      Total Volume: 10.885 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



Serial #: 8167

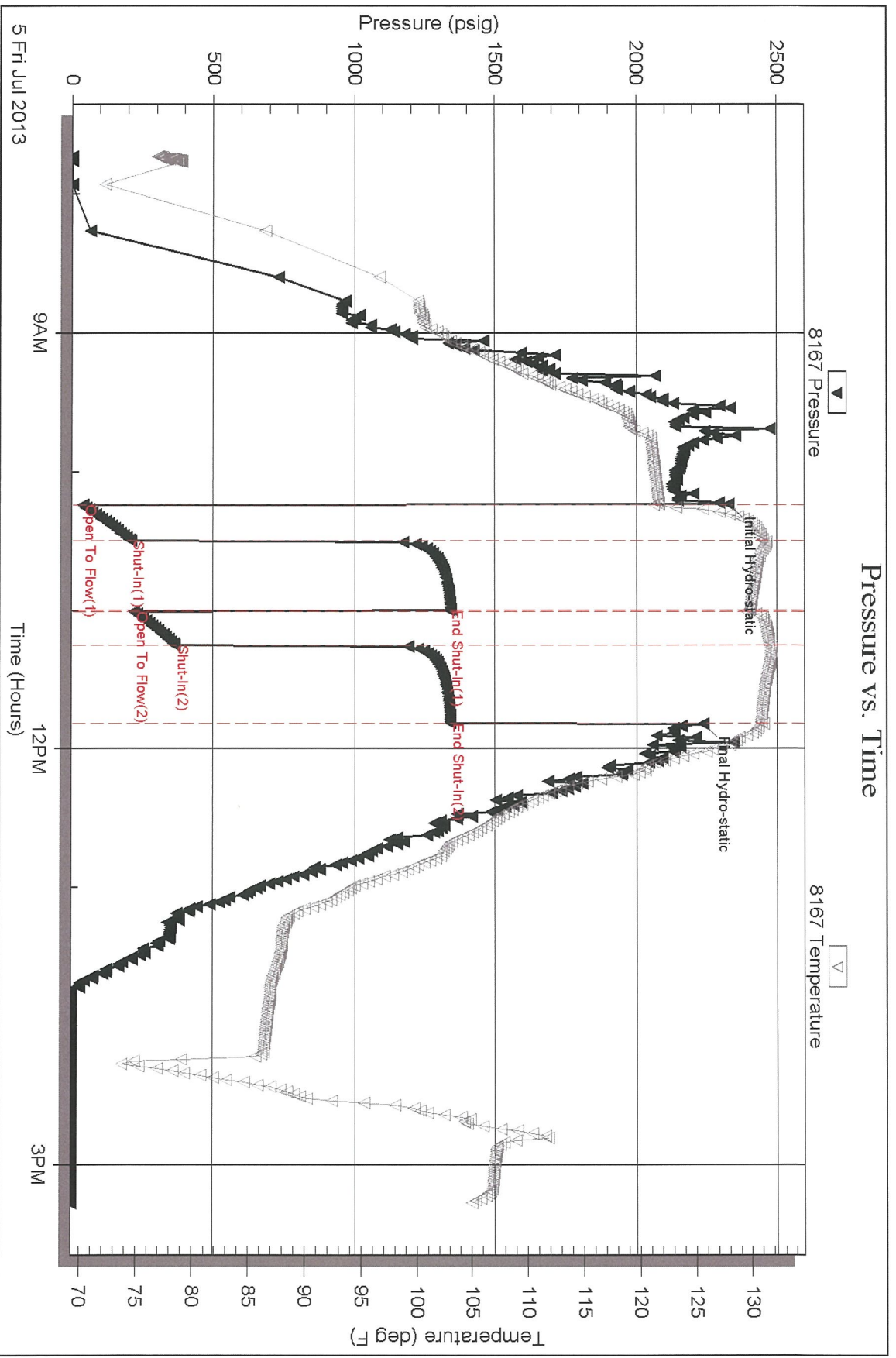
Inside

Palomino Petroleum Inc

Lewis-Fields #1

DST Test Number: 2

### Pressure vs. Time



Triblode Testing, Inc

Ref. No: 041053

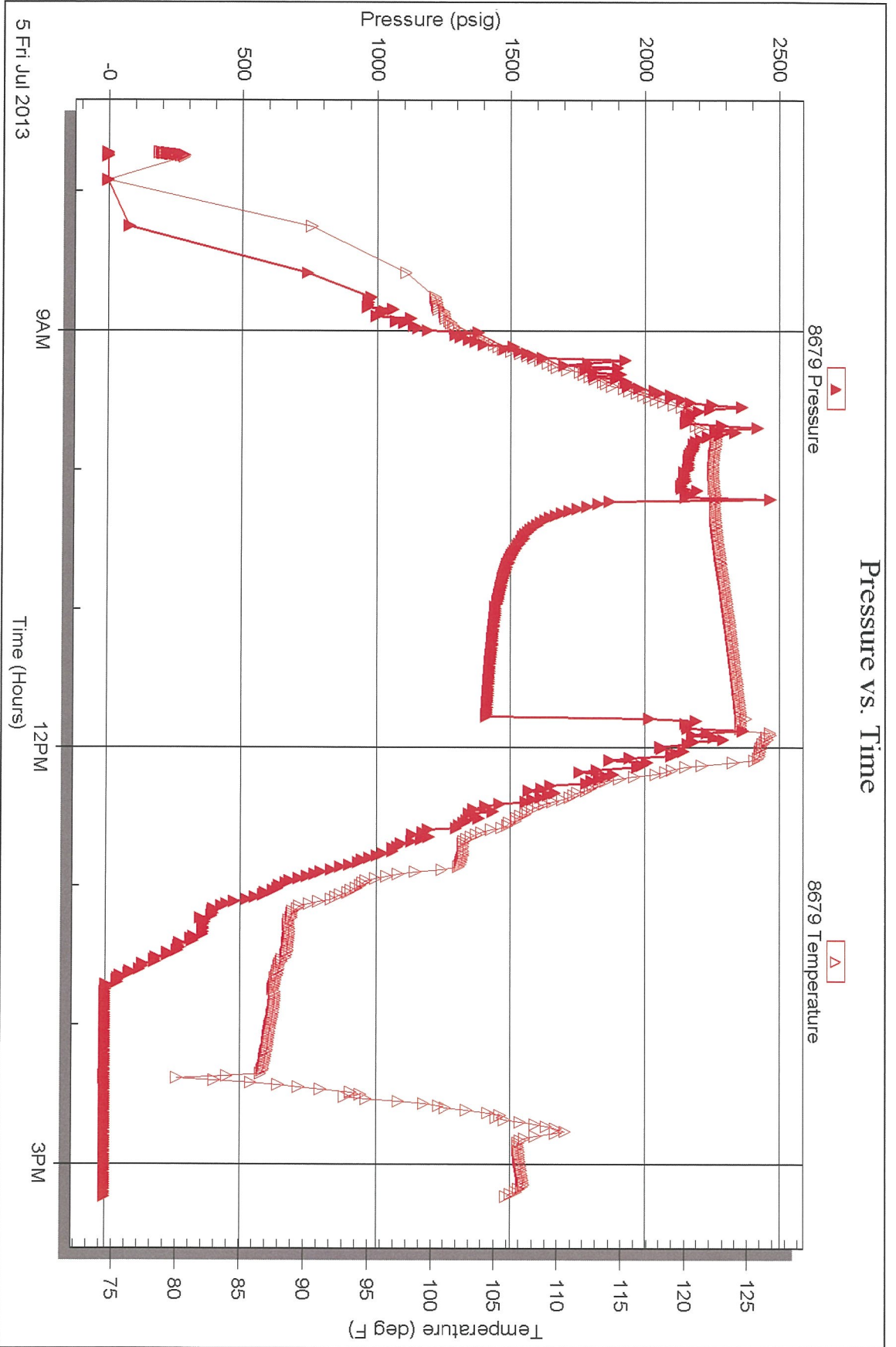
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Serial #: 8679

Below (Stratton) Petroleum Inc

Lewis-Fields #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 041053

Printed: 2013.07.09 @ 13:39:20



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 041052

Well Name & No. Lewis - Fields # 1 Test No. 1 Date 7-4-13  
 Company Palomino Petroleum INC Elevation 2490 KB 2430 GL  
 Address 4924 SE 84TH ST NEWTON KS  
 Co. Rep / Geo. Ryan Seib Rig Maverick 103  
 Location: Sec. 6 Twp. 20 S Rge. 25 W Co. NESS State KS

Interval Tested 4413 - 4508 Zone Tested Mississippian  
 Anchor Length 95 Drill Pipe Run 4404 Mud Wt. 9.4  
 Top Packer Depth 4408 Drill Collars Run 0 Vis 67  
 Bottom Packer Depth 4413 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4508 Chlorides 4000 ppm System LCM TR

Blow Description 1st - Strong Blow BOB IN 5 min  
2nd - Weak Blow Back Built to 1 1/2 IN Died Back to 1 IN  
3rd - Good Blow BOB IN 6 min  
4th - Weak Blow Back Built to 1 IN Died Back to 1/4 IN

Rec	Feet of	%gas	%oil	%water	%mud
378	GWMCO	20	55	5	20
126	COMCO	15	60		25
262	Gassy oil	35	65		
	368 - GIP				

Rec Total 766 BHT 129 Gravity 33 API RW 1486 @ 90.1 ° F Chlorides 9500 ppm

(A) Initial Hydrostatic	<u>2280</u>	<input checked="" type="checkbox"/> Test	1250	T-On Location	<u>9:29</u>
(B) First Initial Flow	<u>90</u>	<input checked="" type="checkbox"/> Jars	250	T-Started	<u>10:04</u>
(C) First Final Flow	<u>229</u>	<input checked="" type="checkbox"/> Safety Joint	75	T-Open	<u>11:50</u>
(D) Initial Shut-In	<u>1085</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>13:50</u>
(E) Second Initial Flow	<u>248</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>17:30</u>
(F) Second Final Flow	<u>319</u>	<input checked="" type="checkbox"/> Mileage	<u>168 RT</u>	Comments	
(G) Final Shut-In	<u>1035</u>	<input type="checkbox"/> Sampler	104rt 161.20		
(H) Final Hydrostatic	<u>2181</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

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

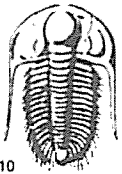
Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 1736.20

MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 041053

Well Name & No. Lewis - Fields #1 Test No. 2 Date 7-5-13  
 Company Palomino Petroleum INC Elevation 2490 KB 2480 GL  
 Address 4924 SE 84th ST NEWTON KS  
 Co. Rep / Geo. Ryan Seib Rig Maverick 108  
 Location: Sec. 40 Twp. 20S Rge. 25W Co. Ness State KS

Interval Tested 4525-4544 Zone Tested Mississippian  
 Anchor Length 19 Anchor 86' Tail Drill Pipe Run 4530 4528 Mud Wt. 9.5  
 Top Packer Depth 4520 Drill Collars Run 0 Vis 57  
 Bottom Packer Depth 4525 Wt. Pipe Run 0 WL 10.8  
 Total Depth 44630 Chlorides 3900 ppm System LCM TR

Blow Description FF-Strong Blow BOB IN 4 min  
ISI-Dead No Blow Back  
FF-Good Blow BOB IN 5 1/2 min  
ISI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>693</u>	<u>Feet of MW</u>			<u>95</u>	<u>5</u>
<u>83</u>	<u>Feet of MW with oil spots</u>			<u>55</u>	<u>45</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 7740 BHT 131 Gravity API RW .252 @ 96.4° F Chlorides 19,500 ppm

(A) Initial Hydrostatic <u>2328</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>7:24</u>
(B) First Initial Flow <u>40</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>7:43</u>
(C) First Final Flow <u>210</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>10:14</u>
(D) Initial Shut-In <u>1339</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:44</u>
(E) Second Initial Flow <u>221</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:20</u>
(F) Second Final Flow <u>366</u>	<input checked="" type="checkbox"/> Mileage <u>161.20</u>	Comments _____
(G) Final Shut-In <u>1341</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2237</u>	<input checked="" type="checkbox"/> Straddle 600	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies

Initial Open 15  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In 30

Sub Total 2336.20

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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.