



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1259663  
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
-----------------------------------	-----------------	---

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: \_\_\_\_\_



1259663

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	B & F Ottley 1
Doc ID	1259663

Tops

Name	Top	Datum
Anhy.	2241	(+547)
Base Anhy.	2267	(+521)
Heebner	3821	(-1033)
Toronto	3844	(-1056)
Lansing	3863	(-1075)
Muncie Creek	4007	(-1219)
Stark	4097	(-1309)
Hushpuckney	4134	(-1346)
BKC	4170	(-1382)
Marmaton	4201	(-1413)
Pawnee	4291	(-1503)
Ft. Scott	4349	(-1561)
Cherokee Sh.	4377	(-1589)
Miss.	4449	(-1661)
LTD	4595	(-1807)



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

RECEIVED

MAIN OFFICE

JUL 07 2015

P.O.Box884  
 Chanute, KS 66720  
 620/431-9210, 1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 804713

Invoice Date: 06/30/15 Terms: Net 30 Page 1

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

BAND F OTTLEY #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,150.0000	25.000	862.50
CE0002	Equipment Mileage Charge - Heavy Equipment	25.000	5.2500	25.000	98.44
CE0711	Minimum Cement Delivery Charge	1.000	430.0000	25.000	322.50
CC5800A	Class A Cement Sack	165.000	18.5500	25.000	2,295.56
CC5325	Calcium Chloride	465.000	0.9400	25.000	327.83
CC5965	Bentonite	310.000	0.2700	25.000	62.78

Subtotal 5,292.80  
 Discounted Amount 1,323.20  
 SubTotal After Discount 3,969.60

Amount Due 5,548.88 If paid after 07/30/15

Tax: 192.06  
 Total: 4,161.67



**CONSOLIDATED**  
Oil Well Services, LLC

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

3294  
3216  
Invoice #804713

TICKET NUMBER 47977  
LOCATION Oakley, KS.  
FOREMAN Cory Davis

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6/24/15	6285	Band F Otley #1	31	13	30	Gore
CUSTOMER <u>Palomino</u>		Oran S. 5 miles E. 1/2 mile S into	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			731	Jeremy R	4N1	
CITY			515	Bill S.	4N2	
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 218 CASING SIZE & WEIGHT 8 5/8 23'  
 CASING DEPTH 218 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 12.6 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting Rig upon ww8 - Run casing Break circulation with rig pump  
 Hook up to pump truck mix 165 com. 3% cc. 2% gel washup & Displace 12.6 BBL water  
 shut in Rig down

Cement Did Circulate

AProx 5 BBL to pit

Thanks Cory & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE	CE0450 = 1150. <sup>00</sup>	1150. <sup>00</sup>
5406	25	MILEAGE	CE0012 = 5.25	131.25
5407	7.76	Ton mileage Delivery	CE0011 = 1.75	436. <sup>00</sup>
1104 S	165 sks	Class A cement	CE880A = 18.55	3060.75
1102	465 #	Calcium Chloride	CE5325 = .94	437.10
1118 B	310 #	Bentonite (gel)	CE5965 = .27	83.70
			sub total	5292.80
			25% less	1,323.20
			sub total	3969.60
			SALES TAX	192.08
			ESTIMATE TOTAL	<u>4161.67</u>

Ravin 3737

AUTHORIZATION DWA Dg TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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.



**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

JUL 10 2015

MAIN OFFICE

P.O.Box884  
Chanute,KS 66720  
620/431-9210,1-800/467-8676  
Fax 620/431-0012

Invoice Invoice# 804837

Invoice Date: 07/06/15 Terms: Net 30 Page 1

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

B & F OTTLEY #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	33.000	1,005.00
CE0002	Equipment Mileage Charge - Heavy Equipment	25.000	7.1500	33.000	119.76
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	33.000	442.20
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.0000	33.000	2,572.80
CC6075	Celloflake	60.000	3.0000	33.000	120.60

Subtotal 6,358.75  
Discounted Amount 2,098.39  
SubTotal After Discount 4,260.36

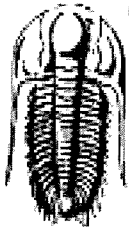
Amount Due 6,700.45 If paid after 08/05/15

Tax: 228.94  
Total: 4,489.30









**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**31-13s-30w Gove,KS**

4924 SE 84th ST  
New ton KS 67114

**B & F Ottley #1**

Job Ticket: 61433

**DST#: 1**

ATTN: Ryan Seib

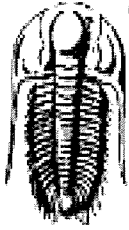
Test Start: 2015.06.29 @ 01:09:15

### Tool Information

Drill Pipe:	Length: 3846.00 ft	Diameter: 3.80 inches	Volume: 53.95 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 54.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3985.00 ft			Final 62000.00 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			3958.00	
Shut In Tool	5.00			3963.00	
Hydraulic tool	5.00			3968.00	
Jars	5.00			3973.00	
Safety Joint	3.00			3976.00	
Packer	5.00			3981.00	28.00 Bottom Of Top Packer
Packer	4.00			3985.00	
Stubb	1.00			3986.00	
Perforations	4.00			3990.00	
Recorder	0.00	8646	Inside	3990.00	
Recorder	0.00	8737	Outside	3990.00	
Change Over Sub	1.00			3991.00	
Drill Pipe	32.00			4023.00	
Change Over Sub	1.00			4024.00	
Perforations	25.00			4049.00	
Bullnose	5.00			4054.00	69.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>97.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

**31-13s-30w Gove,KS**  
**B & F Ottley #1**  
Job Ticket: 61433      **DST#: 1**  
Test Start: 2015.06.29 @ 01:09:15

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.94 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
2.00	mud with oil spots	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

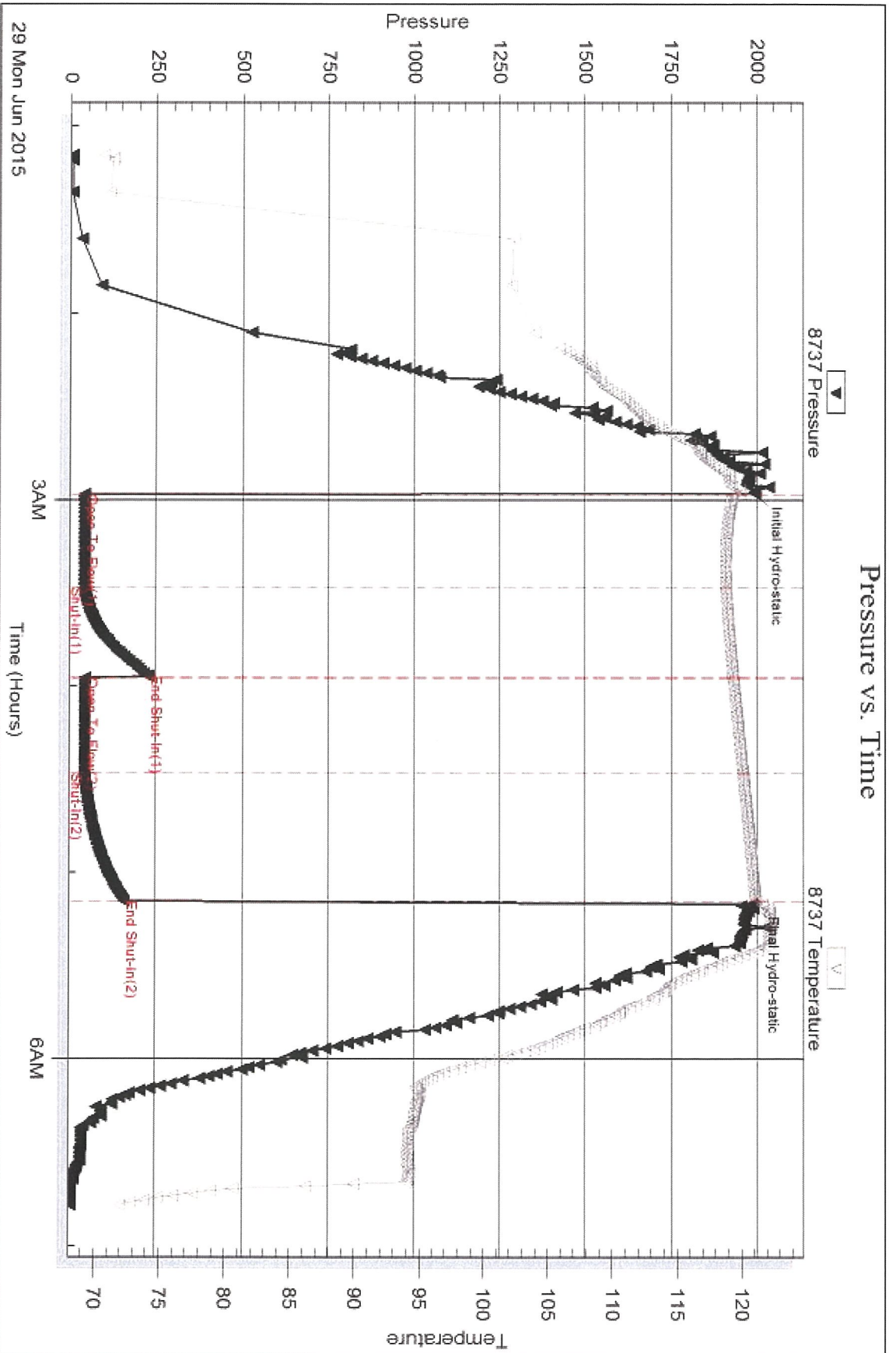
Serial #: 8737

Outside

Palomino Petroleum

B & F Otley #1

DST Test Number: 1



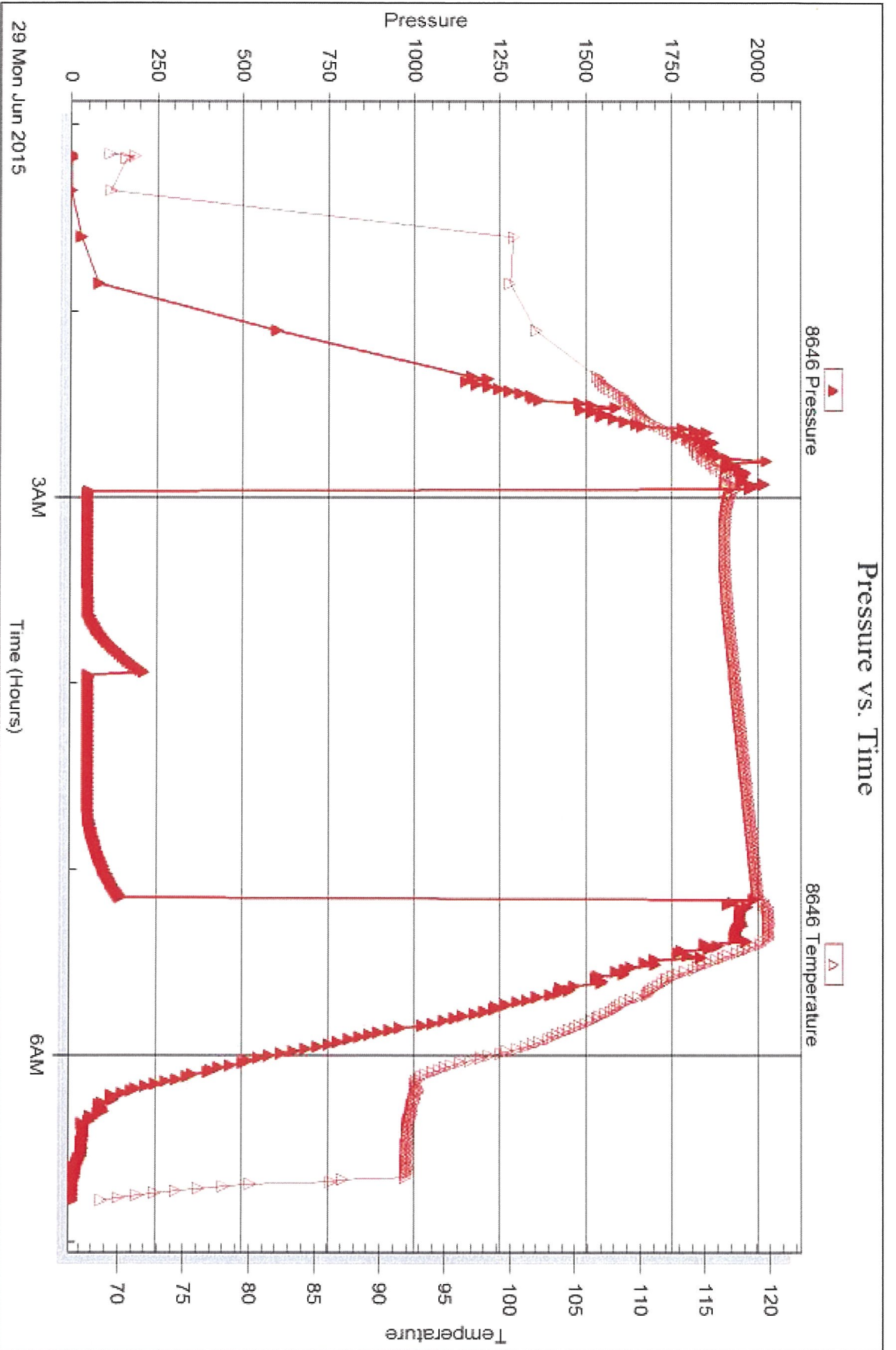
Serial #: 8646

Inside

Palomino Petroleum

B & F Otley #1

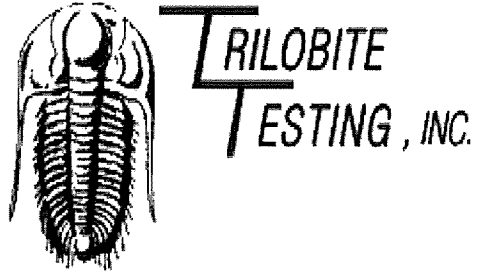
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 61433

Printed: 2015.07.03 @ 09:26:22



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST  
Newton KS 67114

ATTN: Ryan Seib

### **B & F Ottley #1**

### **31-13s-30w Gove,KS**

Start Date: 2015.06.29 @ 14:18:15

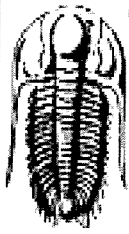
End Date: 2015.06.29 @ 19:36:00

Job Ticket #: 61434                      DST #: 2

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

Printed: 2015.07.03 @ 09:25:54

Palomino Petroleum  
31-13s-30w Gove,KS  
B & F Ottley #1  
DST # 2  
LKC J  
2015.06.29



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

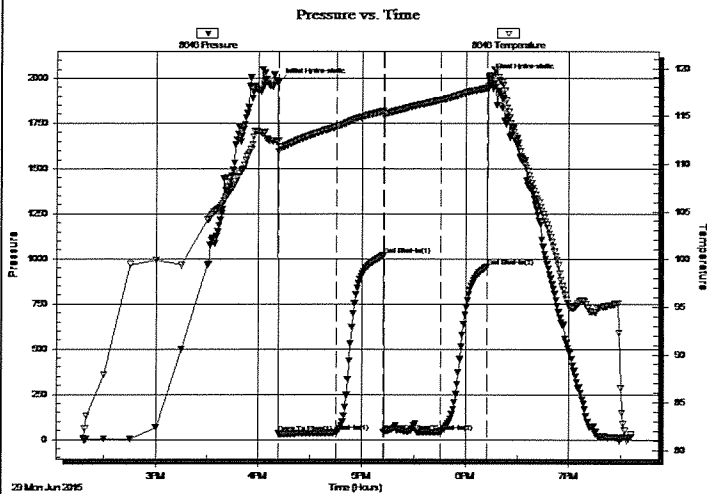
**31-13s-30w Gove,KS**  
**B & F Ottley #1**  
 Job Ticket: 61434      **DST#: 2**  
 Test Start: 2015.06.29 @ 14:18:15

## GENERAL INFORMATION:

Formation: **LKC J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:11:30  
 Time Test Ended: 19:36:00  
 Interval: **4042.00 ft (KB) To 4076.00 ft (KB) (TVD)**  
 Total Depth: 4076.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2788.00 ft (KB)  
 2783.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8646**      **Inside**  
 Press@RunDepth: 43.49 psig @ 4061.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.06.29      End Date: 2015.06.29      Last Calib.: 2015.06.29  
 Start Time: 14:18:15      End Time: 19:36:00      Time On Btm: 2015.06.29 @ 16:11:15  
 Time Off Btm: 2015.06.29 @ 18:13:15

**TEST COMMENT:** IF: Built to weak surface blow and died in 10 min.  
 IS: No return blow  
 FF: No blow  
 FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1978.87	112.34	Initial Hydro-static
1	33.29	111.27	Open To Flow (1)
35	39.00	113.89	Shut-In(1)
61	1018.64	115.50	End Shut-In(1)
62	41.54	114.95	Open To Flow (2)
94	43.49	116.66	Shut-In(2)
121	958.59	117.91	End Shut-In(2)
122	2004.20	118.90	Final Hydro-static

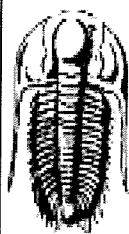
## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	0.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE 84th ST  
Newton KS 67114

ATTN: Ryan Seib

**31-13s-30w Gove, KS**

**B & F Ottley #1**

Job Ticket: 61434                      **DST#: 2**

Test Start: 2015.06.29 @ 14:18:15

**GENERAL INFORMATION:**

Formation: **LKC J**

Deviated: No      Whipstock:                      ft (KB)

Time Tool Opened: 16:11:30

Time Test Ended: 19:36:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4042.00 ft (KB) To 4076.00 ft (KB) (TVD)**

Total Depth: 4076.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2788.00 ft (KB)

2783.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8737      Outside**

Press@RunDepth:                      psig @      4061.00 ft (KB)

Start Date: 2015.06.29      End Date: 2015.06.29

Start Time: 14:18:15      End Time: 19:36:15

Capacity: 8000.00 psig

Last Calib.: 2015.06.29

Time On Btm:

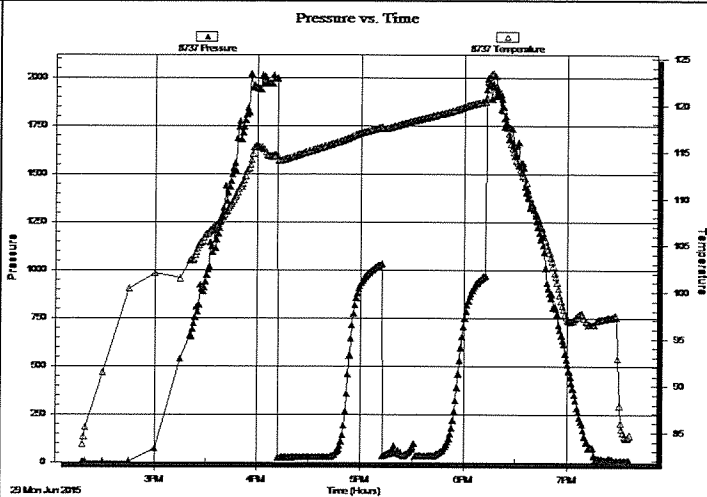
Time Off Btm:

**TEST COMMENT:** IF:Built to weak surface blow and died in 10 min.

IS:No return blow

FF:No blow

FS:No return blow



**PRESSURE SUMMARY**

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

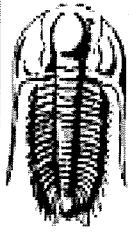
**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots	0.02

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**31-13s-30w Gove,KS**

4924 SE 84th ST  
New ton KS 67114

**B & F Ottley #1**

Job Ticket: 61434

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2015.06.29 @ 14:18:15

### Tool Information

Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4042.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	52.00 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			4015.00	
Shut In Tool	5.00			4020.00	
Hydraulic tool	5.00			4025.00	
Jars	5.00			4030.00	
Safety Joint	3.00			4033.00	
Packer	5.00			4038.00	28.00 Bottom Of Top Packer
Packer	4.00			4042.00	
Stubb	1.00			4043.00	
Perforations	18.00			4061.00	
Recorder	0.00	8646	Inside	4061.00	
Recorder	0.00	8737	Outside	4061.00	
Bullnose	5.00			4066.00	24.00 Bottom Packers & Anchor

**Total Tool Length: 52.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**31-13s-30w Gove,KS**

4924 SE 84th ST  
New ton KS 67114

**B & F Ottley #1**

Job Ticket: 61434

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2015.06.29 @ 14:18:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud with oil spots	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:

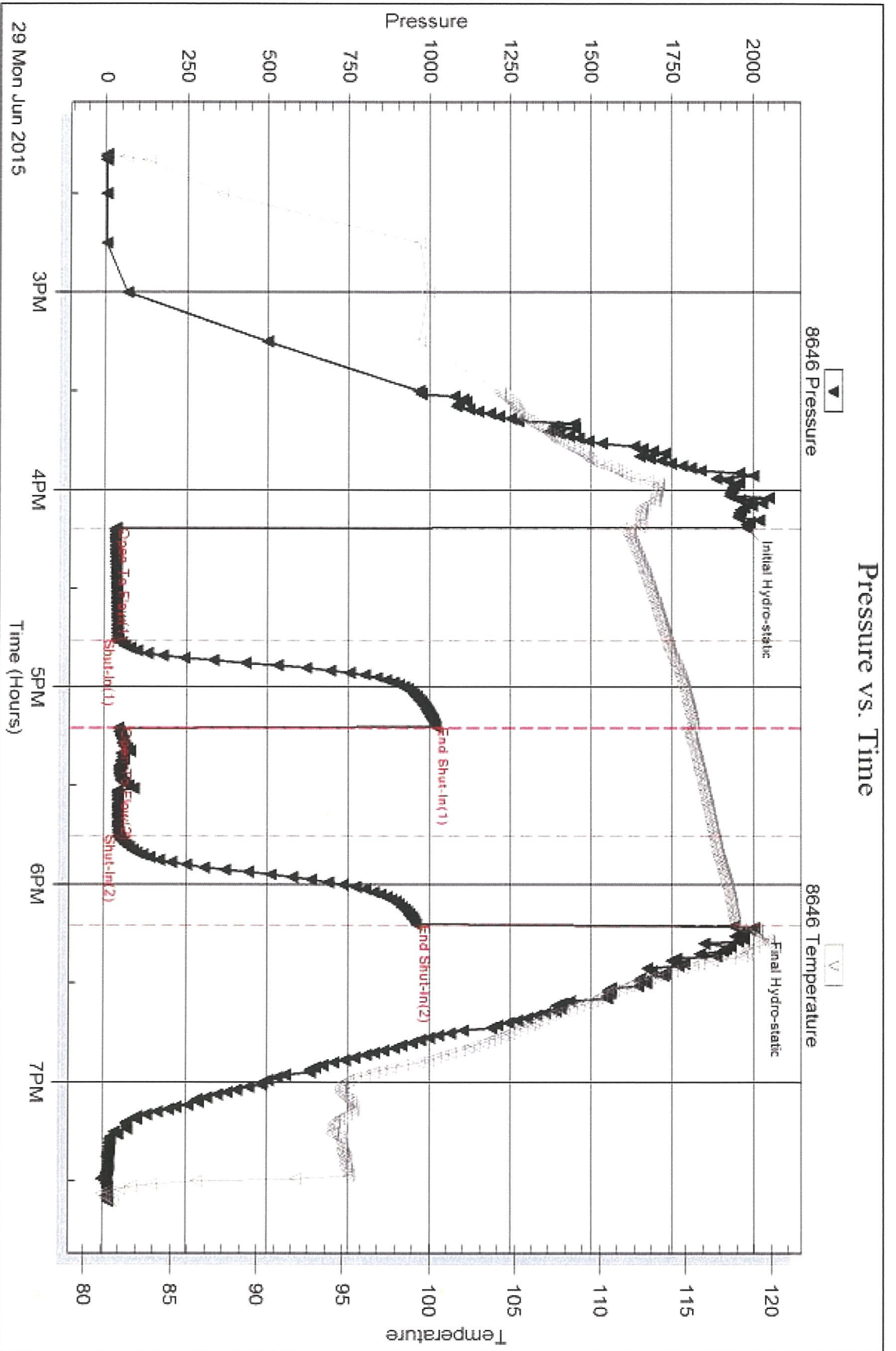
Serial #: 8646

Inside

Palomino Petroleum

B & F Otley #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 61434

Printed: 2015.07.03 @ 09:25:55

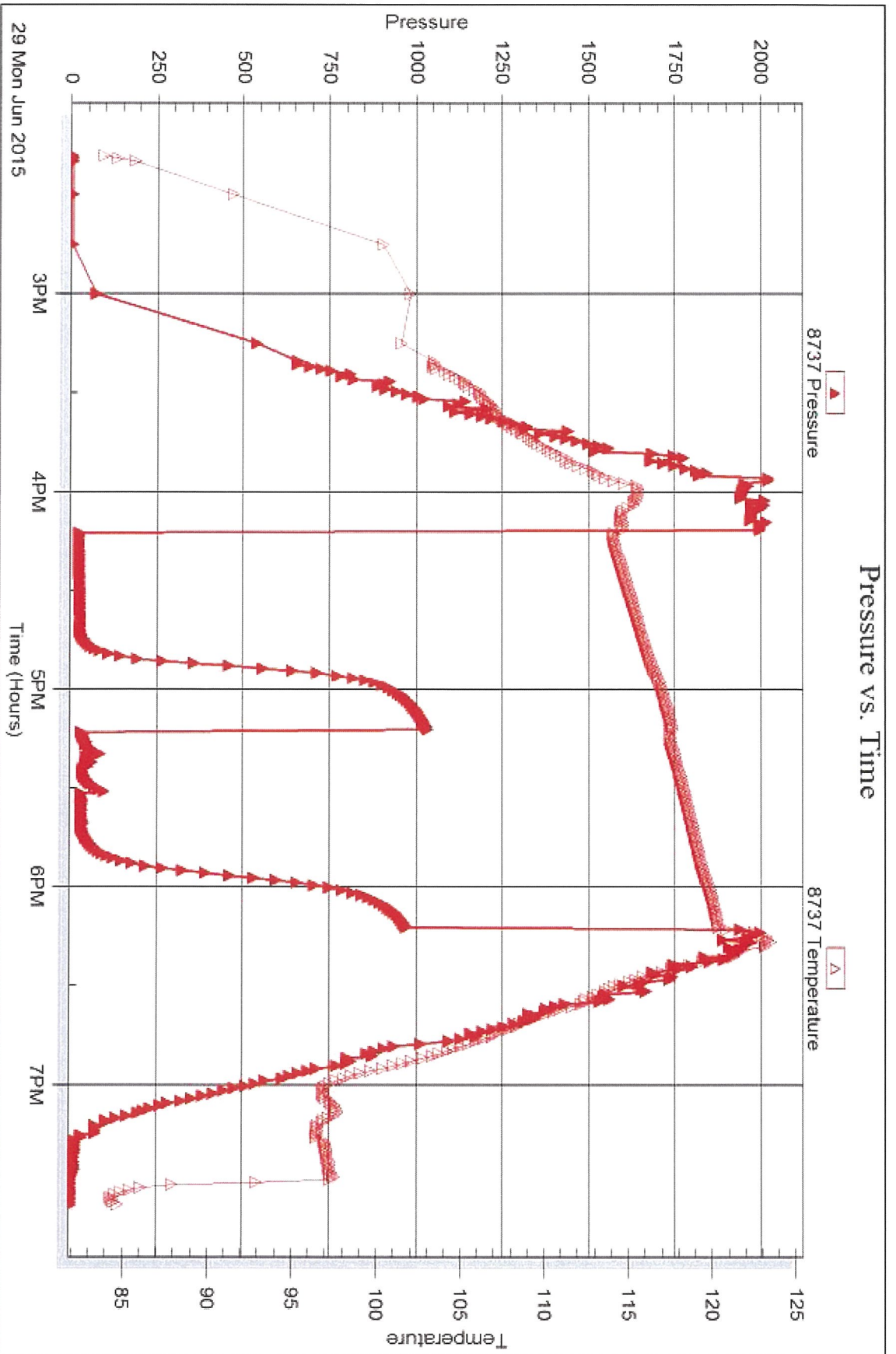
Serial #: 8737

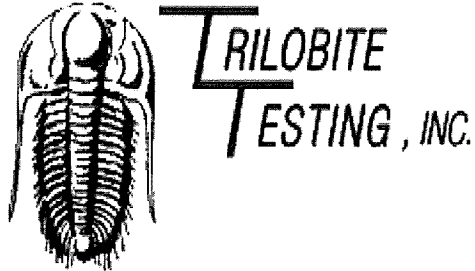
Outside

Palomino Petroleum

B & F Otley #1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST  
Newton KS 67114

ATTN: Ryan Seib

**B & F Ottley #1**

**31-13s-30w Gove,KS**

Start Date: 2015.06.30 @ 04:54:15

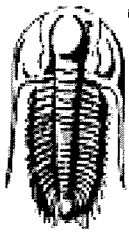
End Date: 2015.06.30 @ 10:12:30

Job Ticket #: 61435                      DST #: 3

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

Printed: 2015.07.03 @ 09:25:11

Palomino Petroleum  
31-13s-30w Gove,KS  
B & F Ottley #1  
DST # 3  
LKC K-L  
2015.06.30



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

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

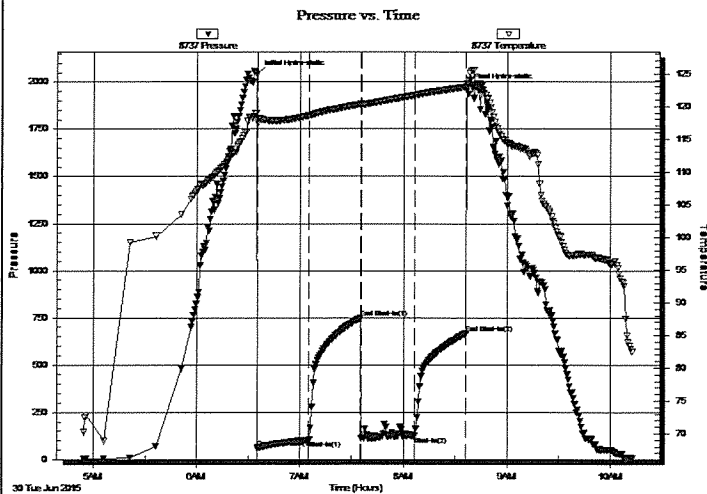
**31-13s-30w Gove,KS**  
**B & F Ottley #1**  
Job Ticket: 61435      **DST#: 3**  
Test Start: 2015.06.30 @ 04:54:15

### GENERAL INFORMATION:

Formation: **LKC K-L**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 06:35:15  
Time Test Ended: 10:12:30  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Mike Roberts  
Unit No: 65  
Interval: **4094.00 ft (KB) To 4180.00 ft (KB) (TVD)**  
Reference Elevations: 2788.00 ft (KB)  
Total Depth: 4180.00 ft (KB) (TVD)                      2783.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair                      KB to GR/CF: 5.00 ft

**Serial #: 8737**      **Outside**  
Press@RunDepth: 123.35 psig @ 4100.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.06.30      End Date: 2015.06.30      Last Calib.: 2015.06.30  
Start Time: 04:54:15      End Time: 10:12:30      Time On Btm: 2015.06.30 @ 06:35:00  
Time Off Btm: 2015.06.30 @ 08:36:45

TEST COMMENT: IF: Built to 2 1/2" blow  
IS: No return blow  
FF: No blow  
FS: No return blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.61	118.91	Initial Hydro-static
1	60.33	117.42	Open To Flow (1)
31	100.63	118.62	Shut-In(1)
60	747.70	120.36	End Shut-In(1)
61	111.13	120.13	Open To Flow (2)
92	123.35	121.71	Shut-In(2)
122	667.42	122.98	End Shut-In(2)
122	1969.96	123.51	Final Hydro-static

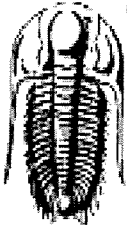
### Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud 100 % m	0.61

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**31-13s-30w Gove,KS**

**B & F Ottley #1**

Job Ticket: 61435

**DST#: 3**

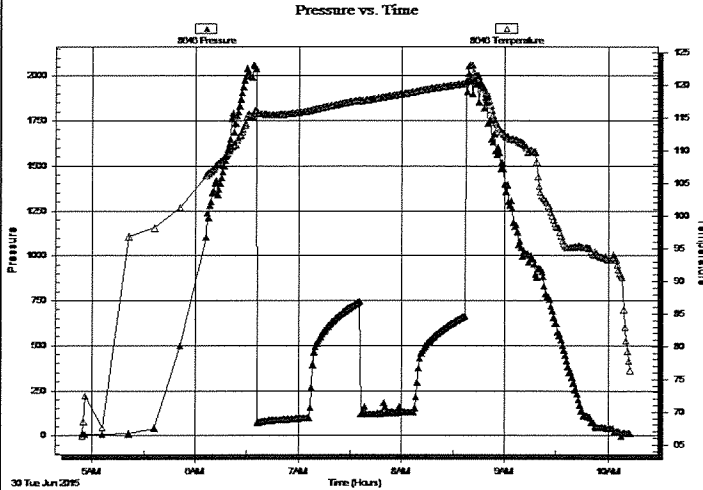
Test Start: 2015.06.30 @ 04:54:15

## GENERAL INFORMATION:

Formation: **LKC K-L**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 06:35:15 Tester: Mike Roberts  
 Time Test Ended: 10:12:30 Unit No: 65  
 Interval: **4094.00 ft (KB) To 4180.00 ft (KB) (TVD)** Reference Elevations: 2788.00 ft (KB)  
 Total Depth: 4180.00 ft (KB) (TVD) 2783.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

**Serial #: 8646 Inside**  
 Press@RunDepth: psig @ 4100.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.06.30 End Date: 2015.06.30 Last Calib.: 2015.06.30  
 Start Time: 04:54:15 End Time: 10:13:00 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF:Built to 2 1/2" blow  
 IS:No return blow  
 FF:No blow  
 FS:No return blow



## PRESSURE SUMMARY

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

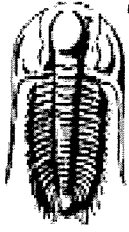
## Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud 100 % m	0.61

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**31-13s-30w Gove,KS**

4924 SE 84th ST  
New ton KS 67114

**B & F Ottley #1**

Job Ticket: 61435

**DST#: 3**

ATTN: Ryan Seib

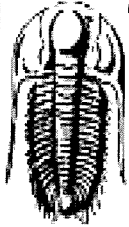
Test Start: 2015.06.30 @ 04:54:15

## Tool Information

Drill Pipe:	Length: 3963.00 ft	Diameter: 3.80 inches	Volume: 55.59 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 56.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4094.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	114.00 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			4067.00	
Shut In Tool	5.00			4072.00	
Hydraulic tool	5.00			4077.00	
Jars	5.00			4082.00	
Safety Joint	3.00			4085.00	
Packer	5.00			4090.00	28.00 Bottom Of Top Packer
Packer	4.00			4094.00	
Stubb	1.00			4095.00	
Perforations	5.00			4100.00	
Recorder	0.00	8646	Inside	4100.00	
Recorder	0.00	8737	Outside	4100.00	
Change Over Sub	1.00			4101.00	
Drill Pipe	63.00			4164.00	
Change Over Sub	1.00			4165.00	
Perforations	10.00			4175.00	
Bullnose	5.00			4180.00	86.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>114.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**31-13s-30w Gove,KS**  
**B & F Ottley #1**  
Job Ticket: 61435      **DST#: 3**  
Test Start: 2015.06.30 @ 04:54:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mud 100 % m	0.608

Total Length: 120.00 ft      Total Volume: 0.608 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



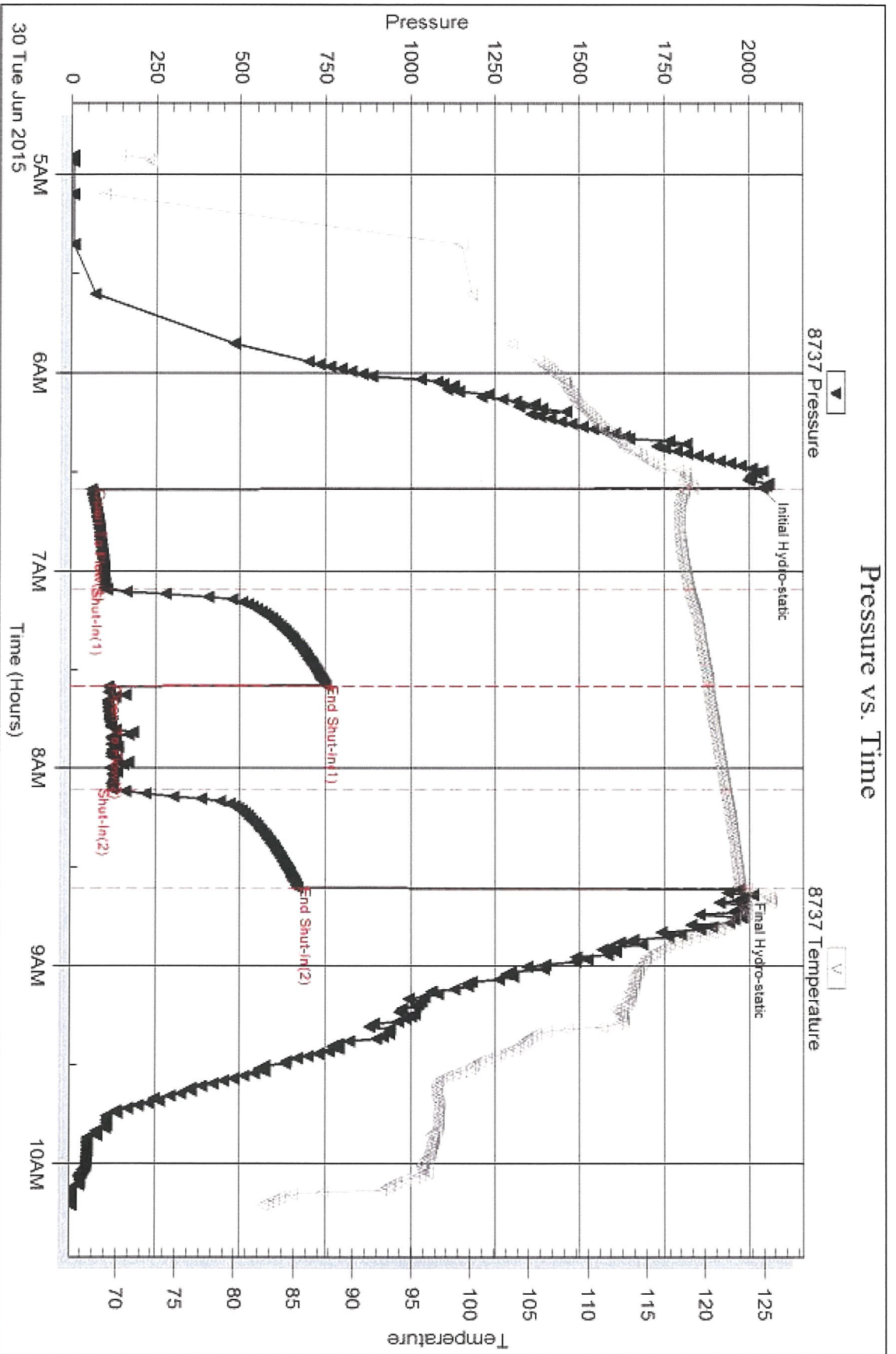
Serial #: 8737

Outside

Palomino Petroleum

B & F Otley #1

DST Test Number: 3



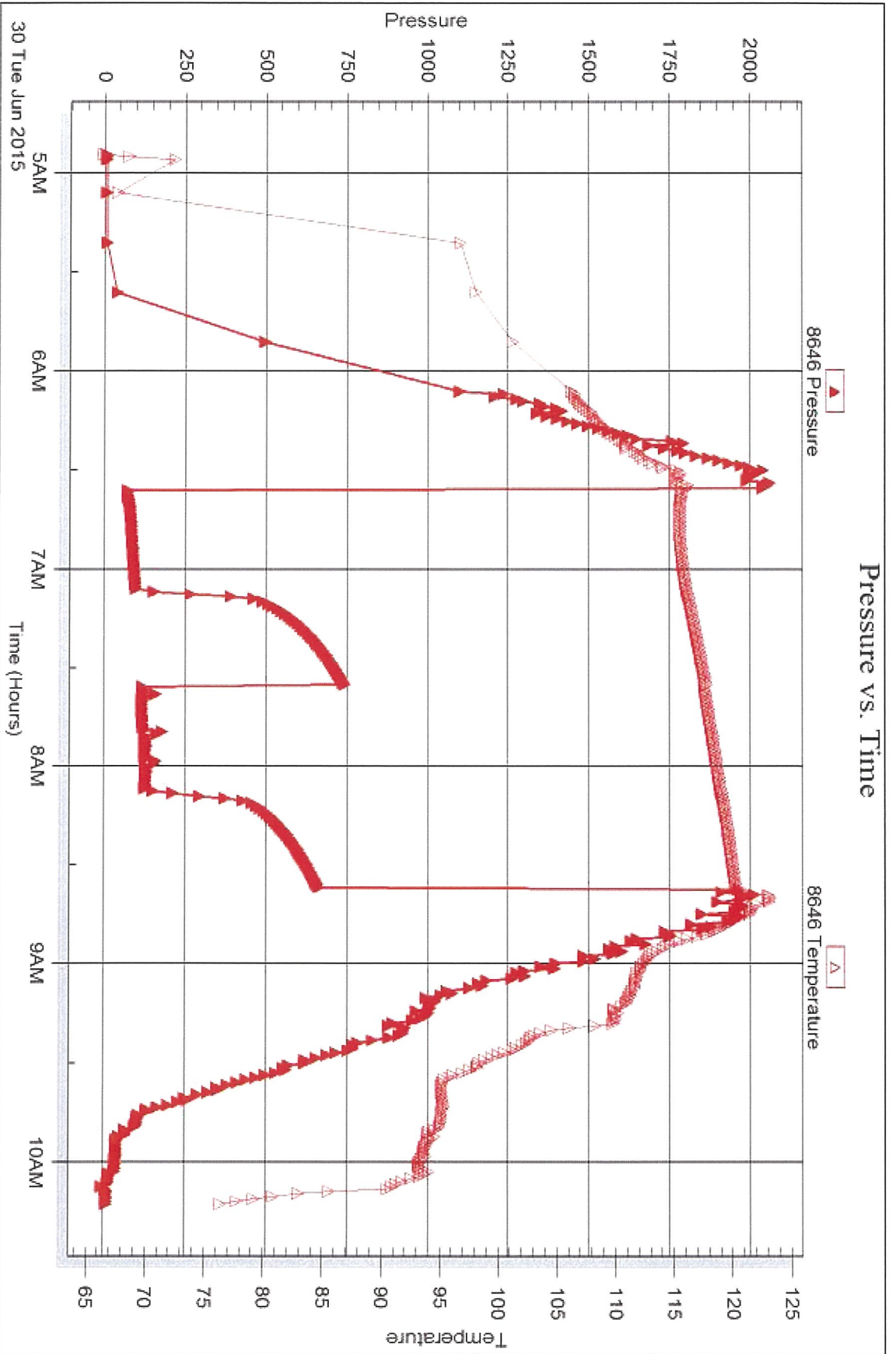
Serial #: 8646

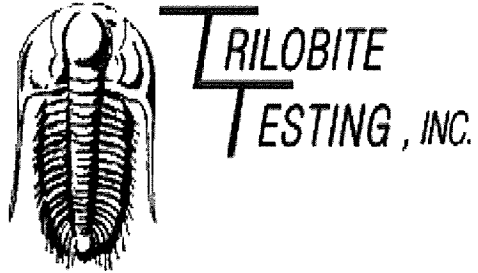
Inside

Palomino Petroleum

B & F Otley #1

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST  
Newton KS 67114

ATTN: Ryan Seib

**B & F Ottley #1**

**31-13s-30w Gove,KS**

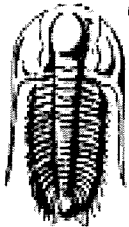
Start Date: 2015.07.01 @ 10:34:15

End Date: 2015.07.01 @ 16:05:15

Job Ticket #: 61436                      DST #: 4

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

Printed: 2015.07.03 @ 09:24:26



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

**31-13s-30w Gove, KS**

4924 SE 84th ST  
New ton KS 67114

**B & F Ottley #1**

Job Ticket: 61436

**DST#: 4**

ATTN: Ryan Seib

Test Start: 2015.07.01 @ 10:34:15

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock:                      ft (KB)

Time Tool Opened: 12:25:15

Time Test Ended: 16:05:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4340.00 ft (KB) To 4436.00 ft (KB) (TVD)**

Reference Elevations: 2788.00 ft (KB)

Total Depth: 4436.00 ft (KB) (TVD)

2783.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8646**

**Inside**

Press@RunDepth: 81.68 psig @ 4346.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.01

End Date: 2015.07.01

Last Calib.: 2015.07.01

Start Time: 10:34:15

End Time: 16:05:15

Time On Btm: 2015.07.01 @ 12:25:00

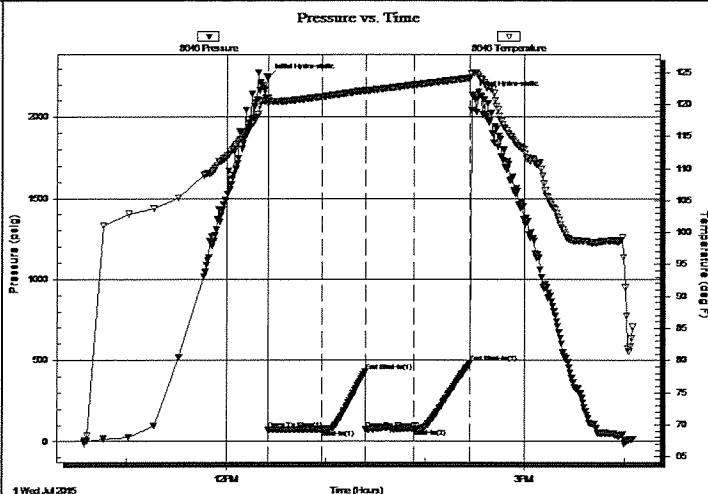
Time Off Btm: 2015.07.01 @ 14:28:30

TEST COMMENT: IF: Built to weak surface blow and died in 2 min.

IS: No return blow

FF: No blow

FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.57	120.94	Initial Hydro-static
1	76.04	120.10	Open To Flow (1)
33	77.31	121.19	Shut-In(1)
59	429.87	122.16	End Shut-In(1)
60	76.37	122.05	Open To Flow (2)
89	81.68	123.03	Shut-In(2)
123	481.45	124.12	End Shut-In(2)
124	2136.35	124.84	Final Hydro-static

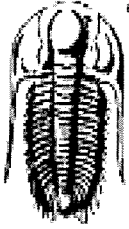
## Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

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

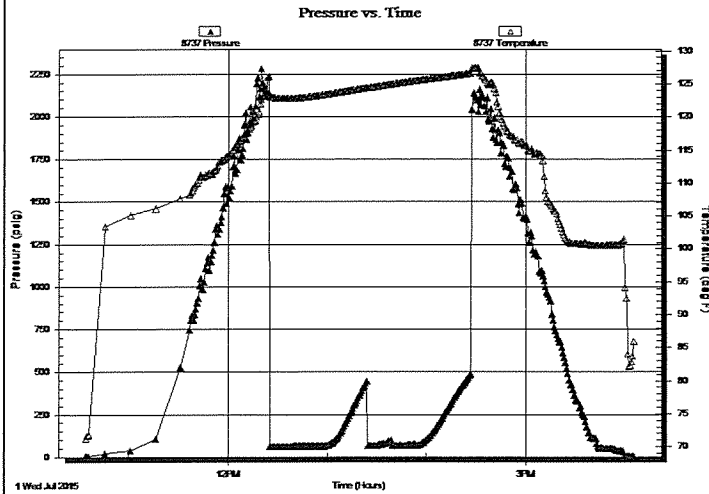
**31-13s-30w Gove,KS**  
**B & F Ottley #1**  
 Job Ticket: 61436              **DST#: 4**  
 Test Start: 2015.07.01 @ 10:34:15

### GENERAL INFORMATION:

Formation:            **Johnson**  
 Deviated:          No    Whipstock:                  ft (KB)              Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 12:25:15              Tester:           Mike Roberts  
 Time Test Ended: 16:05:15              Unit No:            65  
  
 Interval:            **4340.00 ft (KB) To 4436.00 ft (KB) (TVD)**              Reference Elevations:          2788.00 ft (KB)  
 Total Depth:          4436.00 ft (KB) (TVD)    2783.00 ft (CF)  
 Hole Diameter:        7.88 inches    Hole Condition: Fair    KB to GR/CF:                      5.00 ft

**Serial #: 8737            Outside**  
 Press@RunDepth:                 psig @        4346.00 ft (KB)              Capacity:                               8000.00 psig  
 Start Date:                    2015.07.01              End Date:                               2015.07.01              Last Calib.:                            2015.07.01  
 Start Time:                    10:34:15              End Time:                               16:05:00              Time On Btm:                         Time Off Btm:

TEST COMMENT: IF:Built to weak surface blow and died in 2 min.  
 IS:No return blow  
 FF:No blow  
 FS:No return blow



### PRESSURE SUMMARY

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

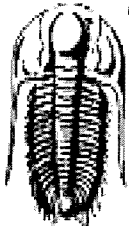
### Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

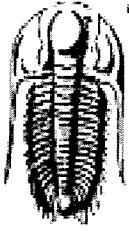
**31-13s-30w Gove,KS**  
**B & F Ottley #1**  
Job Ticket: 61436      **DST#: 4**  
Test Start: 2015.07.01 @ 10:34:15

### Tool Information

Drill Pipe:	Length: 4218.00 ft	Diameter: 3.80 inches	Volume: 59.17 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 59.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4340.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	124.00 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			4313.00	
Shut In Tool	5.00			4318.00	
Hydraulic tool	5.00			4323.00	
Jars	5.00			4328.00	
Safety Joint	3.00			4331.00	
Packer	5.00			4336.00	28.00      Bottom Of Top Packer
Packer	4.00			4340.00	
Stubb	1.00			4341.00	
Perforations	5.00			4346.00	
Recorder	0.00	8646	Inside	4346.00	
Recorder	0.00	8737	Outside	4346.00	
Change Over Sub	1.00			4347.00	
Drill Pipe	63.00			4410.00	
Change Over Sub	1.00			4411.00	
Perforations	20.00			4431.00	
Bullnose	5.00			4436.00	96.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>124.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**31-13s-30w Gove,KS**

4924 SE 84th ST  
New ton KS 67114

**B & F Ottley #1**

Job Ticket: 61436

**DST#: 4**

ATTN: Ryan Seib

Test Start: 2015.07.01 @ 10:34:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

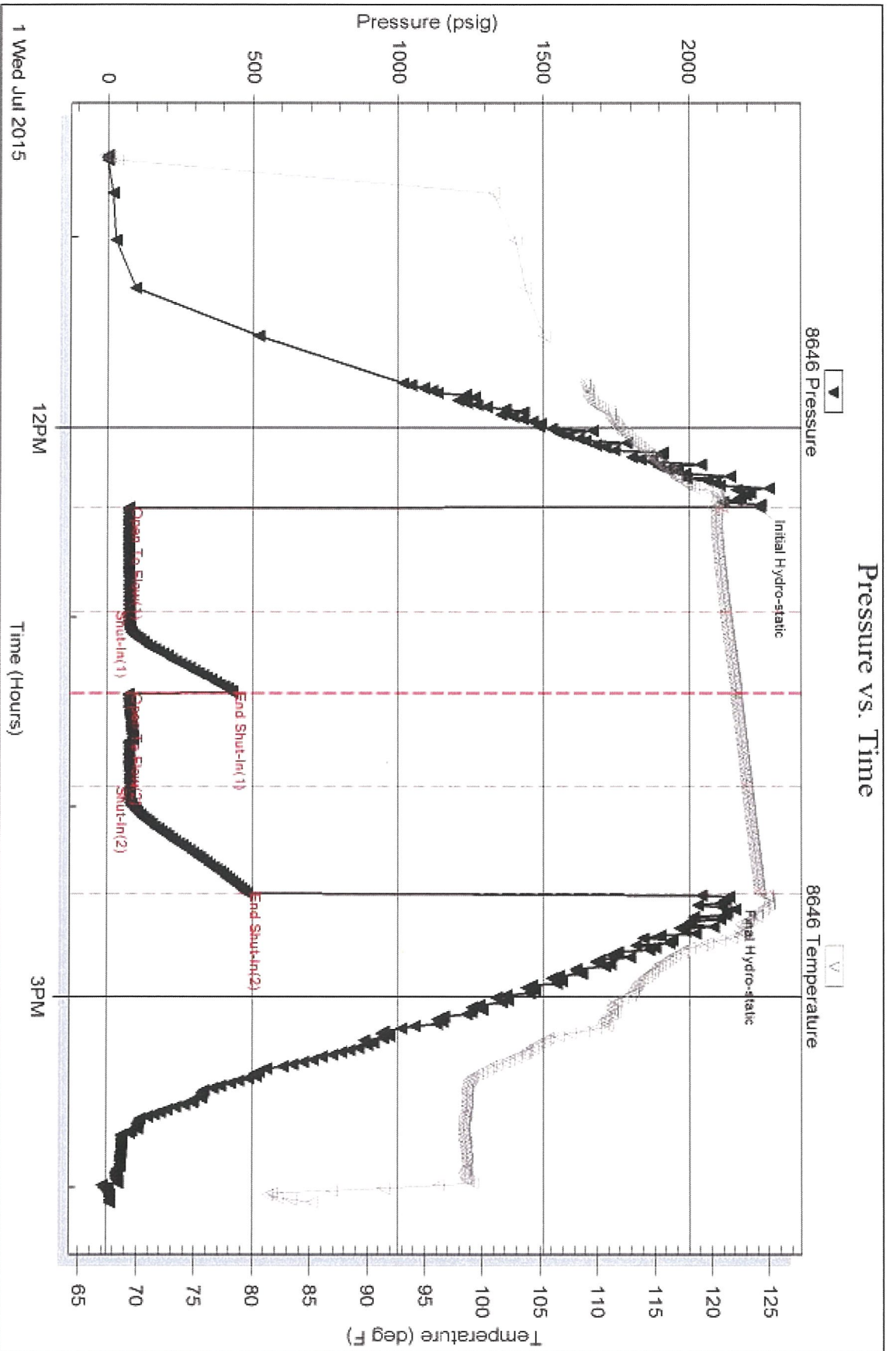
Serial #: 8646

Inside

Palomino Petroleum

B & F Otley #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 61436

Printed: 2015.07.03 @ 09:24:28



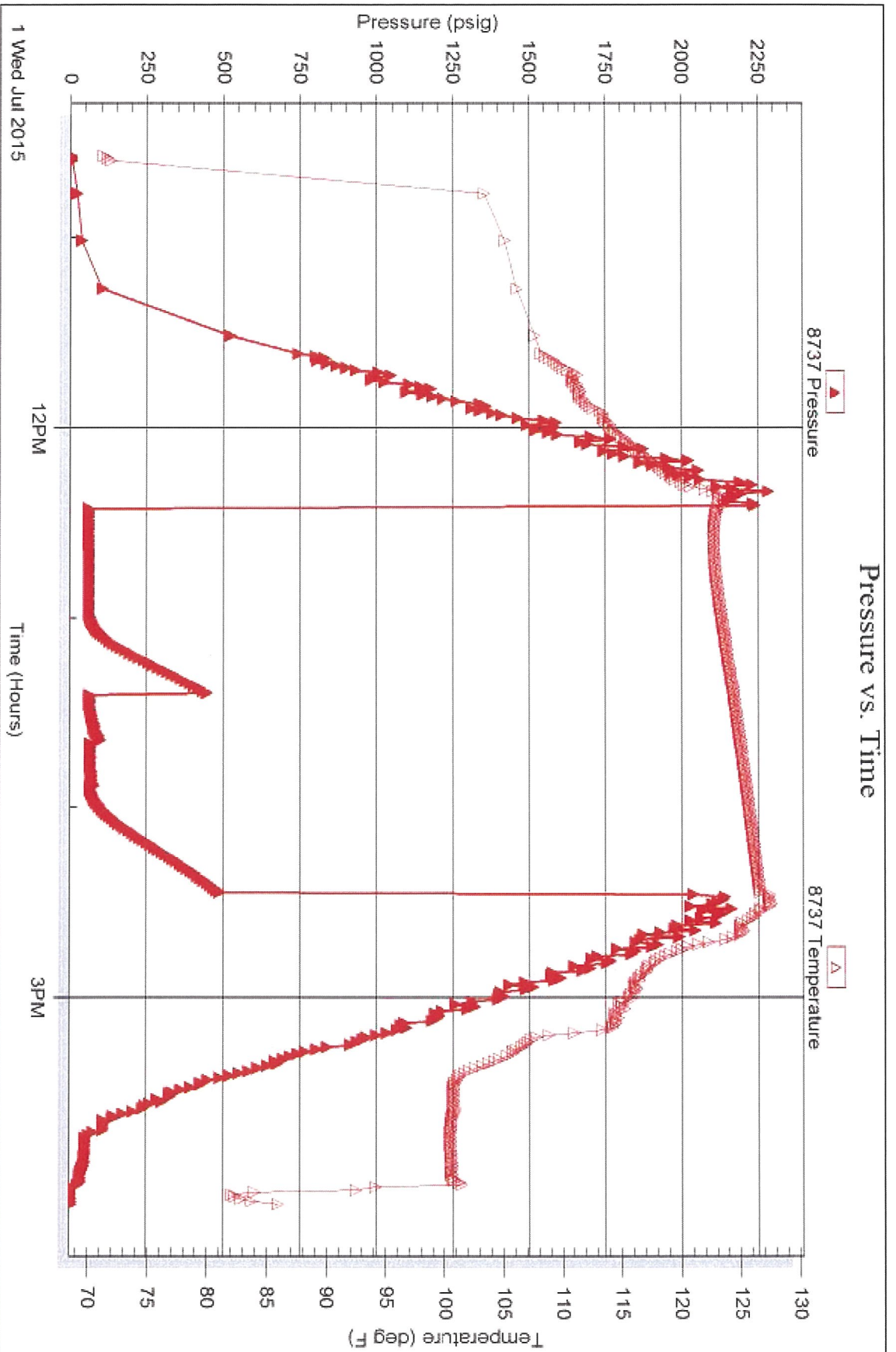
Serial #: 8737

Outside

Palomino Petroleum

B & F Otley #1

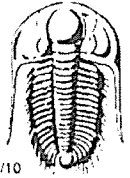
DST Test Number: 4



Tribble Testing, Inc

Ref. No: 61436

Printed: 2015.07.03 @ 09:24:28



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61433

Well Name & No. Bar F O'Hay #1 Test No. 1 Date 6-29-15  
 Company Palomino Petroleum Elevation 2788 KB 2783 GL  
 Address 4924 SE 84th ST Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW #8  
 Location: Sec. 31 Twp. 13S Rge. 30W Co. Grove State KS

Interval Tested 3985-4054 Zone Tested H+I  
 Anchor Length 69 Drill Pipe Run 3846 Mud Wt. 9.1  
 Top Packer Depth 3980 Drill Collars Run 118 Vis 55  
 Bottom Packer Depth 3985 Wt. Pipe Run φ WL 8.0  
 Total Depth 4054 Chlorides 2000 ppm System LCM 1  
 Blow Description IF: Built to weak surface blow  
IS: NO Return Blow  
FF: NO Blow  
FS: NO Return Blow

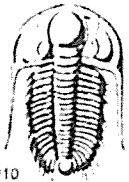
Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm  
 (A) Initial Hydrostatic 1996  Test \$1150.00 T-On Location 23:15  
 (B) First Initial Flow 41  Jars \$250.00 T-Started 01:09  
 (C) First Final Flow 41  Safety Joint \$75.00 T-Open 02:58  
 (D) Initial Shut-In 227  Circ Sub NC T-Pulled 05:09  
 (E) Second Initial Flow 44  Hourly Standby — T-Out 06:47  
 (F) Second Final Flow 43  Mileage 78 RT \$78.00 Comments —  
 (G) Final Shut-In 159  Sampler —  
 (H) Final Hydrostatic 1986  Straddle —  
 Ruined Shale Packer —  
 Ruined Packer —  
 Extra Copies —

Initial Open 30  Extra Packer —  
 Initial Shut-In 30  Extra Recorder —  
 Final Flow 30  Day Standby —  
 Final Shut-In 30  Accessibility —  
 Sub Total \$1553.00 Total 1553 MP/DST Disc't —

Approved By — Our Representative Mike Roberts

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61434

Well Name & No. B+F Otley #1 Test No. 2 Date 6-29-15  
 Company Palomino Petroleum Elevation 2788 KB 2783 GL  
 Address 4924 SE 84th St. Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WLW 8  
 Location: Sec. 31 Twp. 13s Rge. 30w Co. Grove State KS

Interval Tested 4042-4076 Zone Tested J  
 Anchor Length 24 Drill Pipe Run 3930 Mud Wt. 9.2  
 Top Packer Depth 4037 Drill Collars Run 118 Vis 61  
 Bottom Packer Depth 4042 Wt. Pipe Run Ø WL 8.0  
 Total Depth 4076 Chlorides 3000 ppm System LCM 1  
 Blow Description IF: Built to Weak Surface Blow + Died in 10 Min  
IS: No Return Blow  
FF: NO Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MVP with oil spots</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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 120 Gravity — API RW — @ — ° F Chlorides — ppm

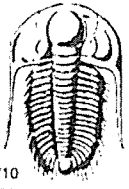
A) Initial Hydrostatic <u>1978</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>13:45</u>
B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>14:18</u>
C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>16:11</u>
D) Initial Shut-In <u>1018</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>18:11</u>
E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>19:36</u>
F) Second Final Flow <u>43</u>	<input checked="" type="checkbox"/> Mileage <u>78 RT = 1478.00</u>	Comments
G) Final Shut-In <u>958</u>	<input type="checkbox"/> Sampler	
H) Final Hydrostatic <u>2004</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

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

Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1553  
 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61435

Well Name & No. B + F Ottley #1 Test No. 3 Date 6-30-15  
 Company Palomino Petroleum Elevation 2788 KB 2783 GL  
 Address 4924 SE 84<sup>th</sup> ST Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW 8  
 Location: Sec. 31 Twp. 13S Rge. 30W Co. Grove State KS

Interval Tested 4094 - 4180 Zone Tested K+L  
 Anchor Length 86 Drill Pipe Run 396.3 Mud Wt. 9.2  
 Top Packer Depth 4089 Drill Collars Run 118 Vis 61  
 Bottom Packer Depth 4094 Wt. Pipe Run Ø WL 8.0  
 Total Depth 4180 Chlorides 3000 ppm System LCM 1  
 Blow Description IF: Built to 2 1/2" Blow  
IS: No Return Blow  
FF: No Blow  
FS: No Return Blow

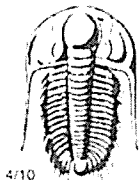
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 120 BHT 122 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2040</u>	<input checked="" type="checkbox"/> Test <u>\$150.00</u>	T-On Location <u>03:40</u>
(B) First Initial Flow <u>60</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00</u>	T-Started <u>04:54</u>
(C) First Final Flow <u>100</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00</u>	T-Open <u>06:35</u>
(D) Initial Shut-In <u>747</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>08:35</u>
(E) Second Initial Flow <u>100</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:12</u>
(F) Second Final Flow <u>123</u>	<input checked="" type="checkbox"/> Mileage <u>78 RT \$78.00</u>	Comments
(G) Final Shut-In <u>667</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1969</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1553</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>\$1553.00</u>	

Approved By \_\_\_\_\_ Our Representative Mike Roberts

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.



# TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61436

Well Name & No. B&F Otley #1 Test No. 4 Date 7-1-15  
 Company Palomino Petroleum Elevation 2788 KB 2783 GL  
 Address 4924 SE 8th St. Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW8  
 Location: Sec. 31 Twp. 135 Rge. 30W Co. Grove State KS

Interval Tested 4340-4436 Zone Tested Johnson  
 Anchor Length 96 Drill Pipe Run 4218 Mud Wt. 9.3  
 Top Packer Depth 4335 Drill Collars Run 118 Vis 59  
 Bottom Packer Depth 4340 Wt. Pipe Run φ WL 9.6  
 Total Depth 4436 Chlorides 3500 ppm System LCM 1  
 Blow Description IF: Built to weak Blow + Died in 2 Min

IS: NO Return Blow  
FF: NO Blow  
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</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	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 122 Gravity — API RW — @ — ° F Chlorides — ppm  
 (A) Initial Hydrostatic 2242  Test \$1150.00 T-On Location 09:50  
 (B) First Initial Flow 76  Jars \$250.00 T-Started 10:34  
 (C) First Final Flow 77  Safety Joint \$75.00 T-Open ~~12:25~~ 12:25  
 (D) Initial Shut-In 429  Circ Sub NC T-Pulled 14:25  
 (E) Second Initial Flow 76  Hourly Standby — T-Out 16:05  
 (F) Second Final Flow 81  Mileage 78 = \$78.00 X2 Comments Picked up tools  
 (G) Final Shut-In 481  Sampler 78 at 16:00 7-2-15  
 (H) Final Hydrostatic 2136  Straddle —  Ruined Shale Packer —

Shale Packer —  Ruined Packer —  
 Extra Packer —  Extra Copies —  
 Initial Open 30  Extra Recorder — Sub Total 0  
 Initial Shut-In 30  Day Standby — Total 1631  
 Final Flow 30  Accessibility 1631 MP/DST Disc't —  
 Final Shut-In 30 Sub Total \$553.00

Approved By \_\_\_\_\_ Our Representative Alpha Robot

Triobite 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