



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 conc. 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. ⁰⁰	1150. ⁰⁰
5406	25	MILEAGE	CE0012 = 5.25	131.25
5407	7.76	Ton mileage Delivery	CE0011 = 1.75	436. ⁰⁰
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



CONSOLIDATED
Oil Well Services, LLC

3400
3320

TICKET NUMBER 47979
LOCATION Oakley Rs
FOREMAN Cory Davis
Done Retchof

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

FIELD TICKET & TREATMENT REPORT
CEMENT INVOICE # 804837

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-2-15	6285	B2F Okey #1	31	13	30	Greene Ks
CUSTOMER			TRUCK # DRIVER TRUCK # DRIVER			
Mailing Address			445 Cody R.			
CITY STATE ZIP CODE			693 Colin S			

JOB TYPE Plug HOLE SIZE 7 7/8 HOLE DEPTH 2240 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: safety meeting - rig upon well 8 Plug as ordered

- 50 sks at 2240' 60/40 Poz mix 4% gel 1/4# flo seal
 - 100 sks at 1350'
 - 50 sks at 270'
 - 10 sks at 40'
- R 30
total of 240 sks. Wash up pump & lines rig down

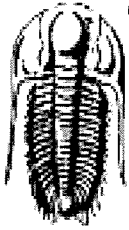
Thanks Cory + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	1	PUMP CHARGE	1,500. ⁰⁰	1,500.00
CE 0002	25	MILEAGE	7.15	178.75
CE 0711	10.68	Cement Delivery Charge minimum	1.75	660. ⁰⁰
CC 5829	240 sks.	Lite-Weight Blend 5 (V)	16. ⁰⁰	3,840. ⁰⁰
CC 6075	60 #	Celloflake	3. ⁰⁰	180. ⁰⁰
			sub total	6,358.75
			33% less	2,098.39
			sub total	4,260.36
			SALES TAX	228.94
			ESTIMATED TOTAL	4,489.30

Revin 3737

AUTHORIZATION [Signature] 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.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

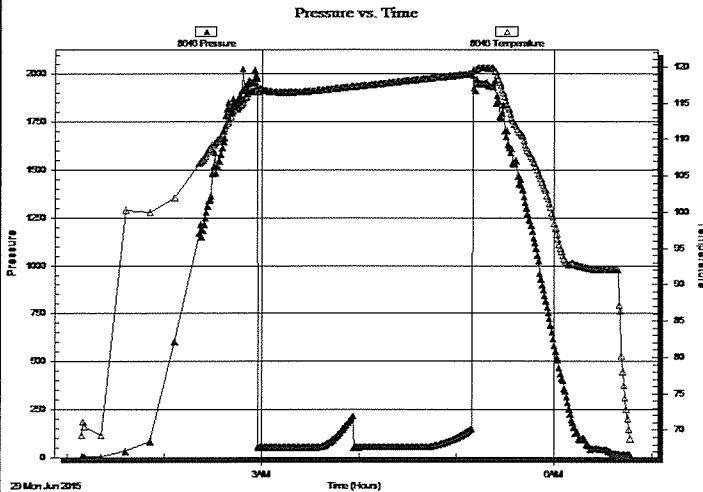
31-13s-30w Gove,KS
B & F Ottley #1
 Job Ticket: 61433 DST#: 1
 Test Start: 2015.06.29 @ 01:09:15

GENERAL INFORMATION:

Formation: LKC H-I	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Mike Roberts
Time Tool Opened: 02:58:00	Unit No: 65
Time Test Ended: 06:47:00	Reference Elevations: 2788.00 ft (KB)
Interval: 3985.00 ft (KB) To 4054.00 ft (KB) (TVD)	2783.00 ft (CF)
Total Depth: 4054.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

Serial #: 8646	Inside	Capacity: 8000.00 psig
Press@RunDepth: psig @ 3990.00 ft (KB)	Start Date: 2015.06.29	Last Calib.: 2015.06.29
Start Time: 01:09:15	End Date: 2015.06.29	Time On Btm: 06:46:45
	End Time: 06:46:45	Time Off Btm:

TEST COMMENT: IF: Built to weak surface blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

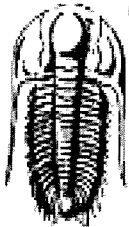
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud with oil spots	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)



**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

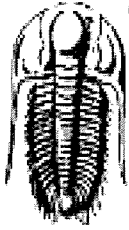
Tool Information

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

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
Total Tool Length:	97.00				



**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 ³	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:

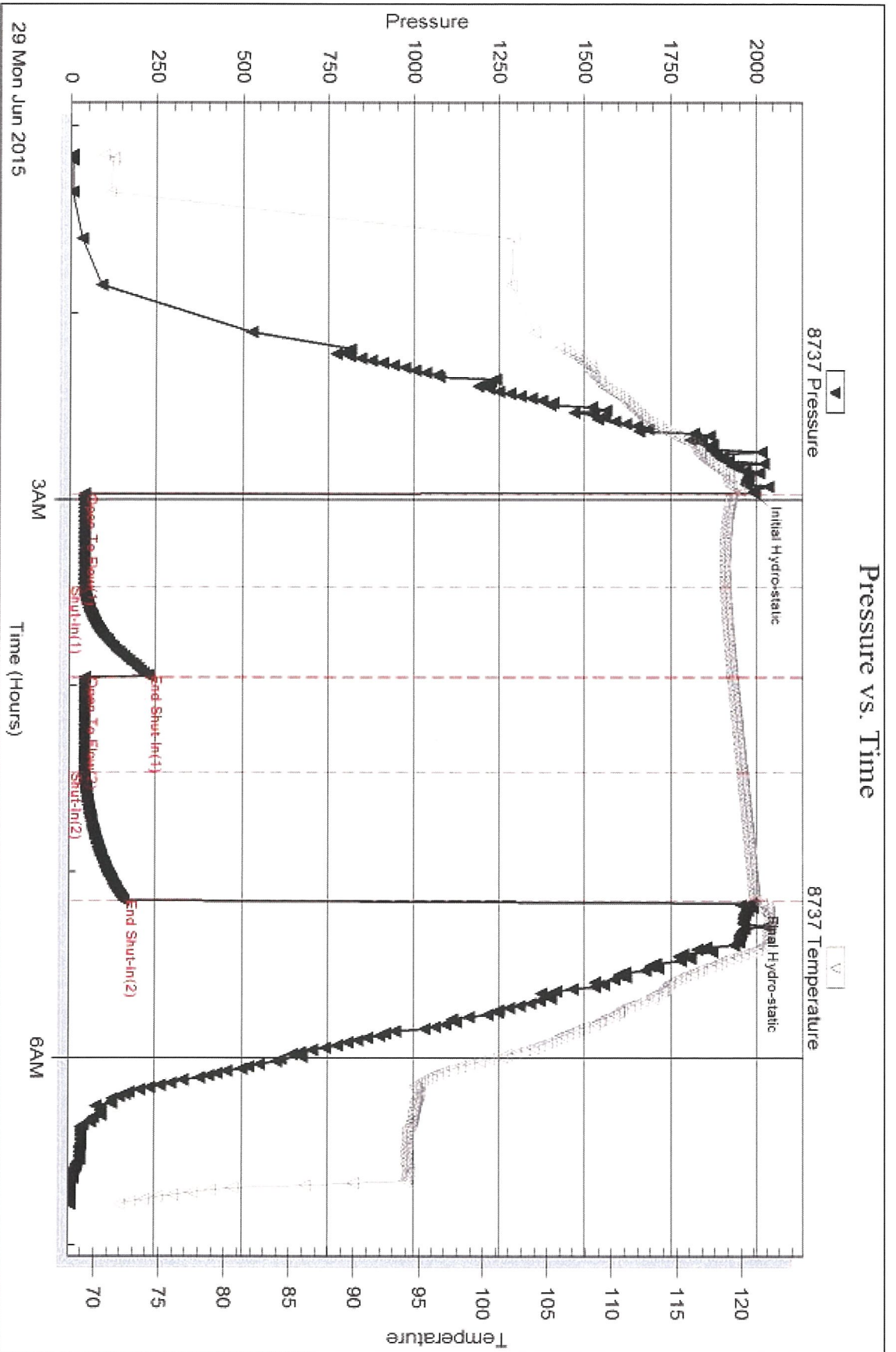
Serial #: 8737

Outside

Palomino Petroleum

B & F Otley #1

DST Test Number: 1



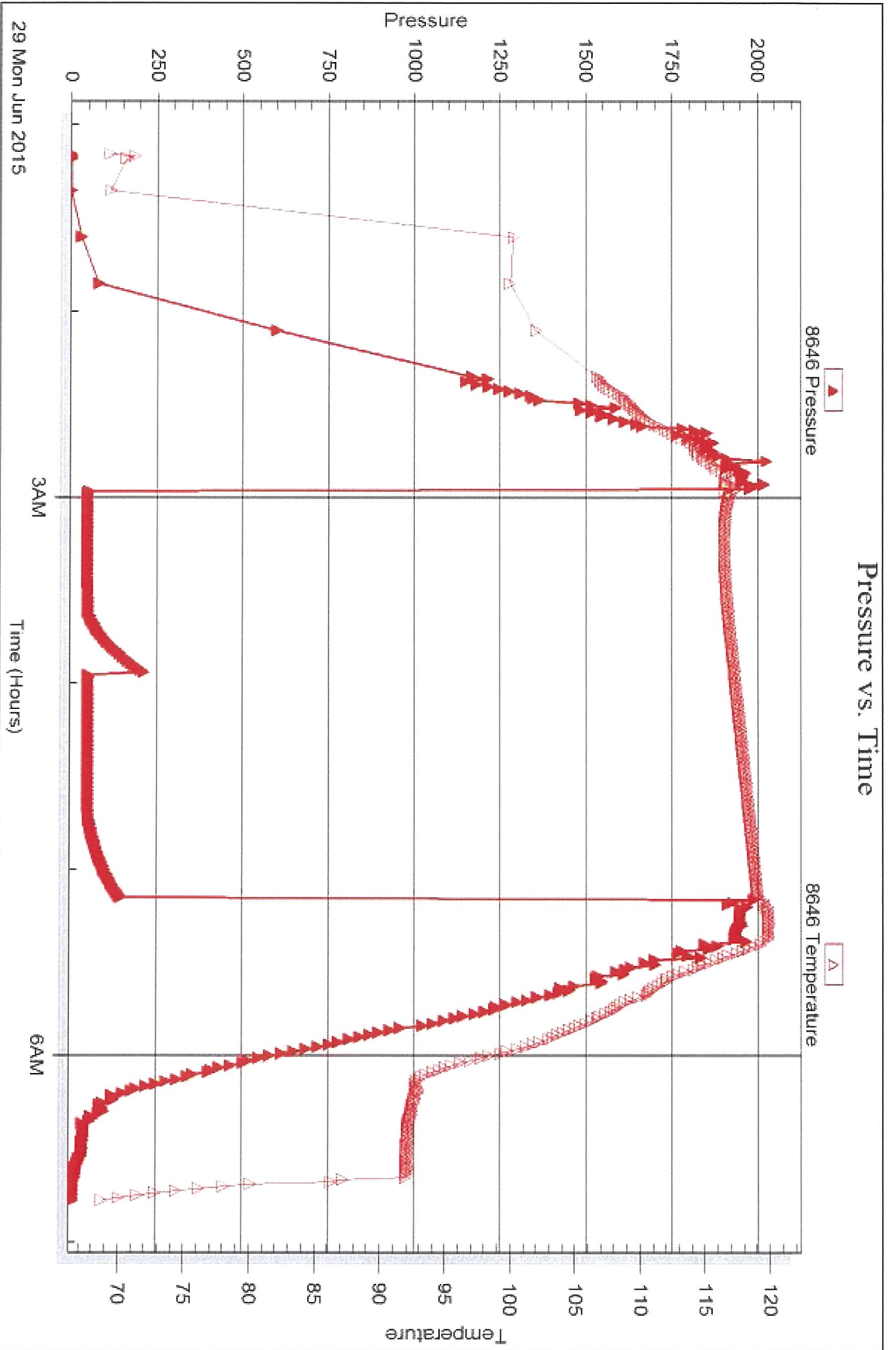
Serial #: 8646

Inside

Palomino Petroleum

B & F Otley #1

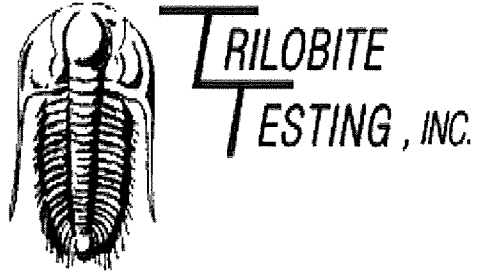
DST Test Number: 1



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

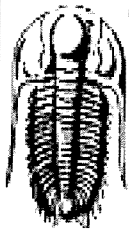
End Date: 2015.06.29 @ 19:36:00

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:

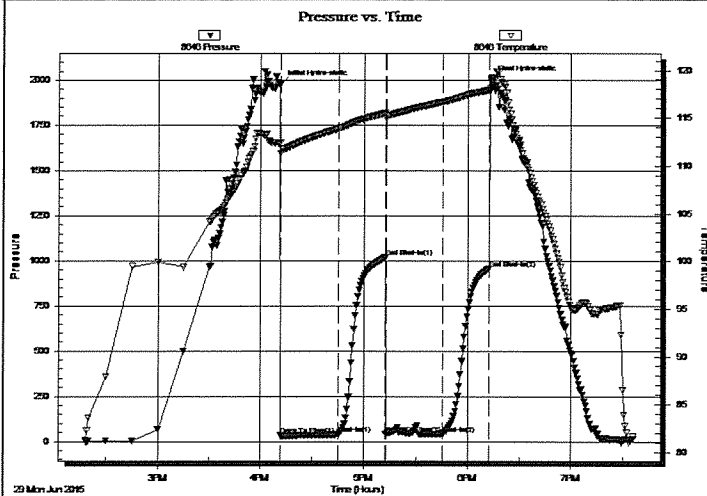
Formation: **LKC J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:11:30
 Time Test Ended: 19:36:00
 Interval: **4042.00 ft (KB) To 4076.00 ft (KB) (TVD)**
 Total Depth: 4076.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: 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

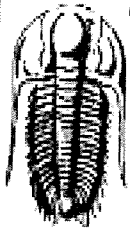
Recovery

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

Capacity: 8000.00 psig

Last Calib.:

2015.06.29

Start Time: 14:18:15

End Time:

19:36:15

Time On Btm:

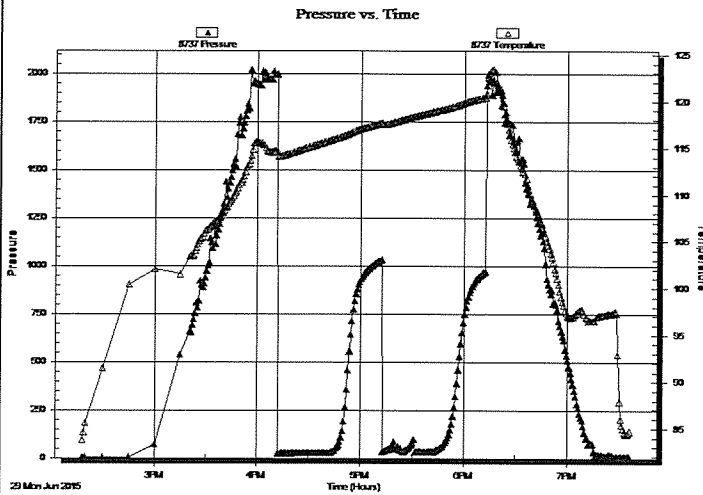
Time Off Btm:

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

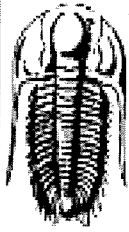
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 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

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

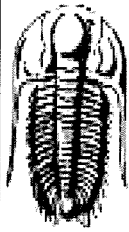
Tool Information

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 in³

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:

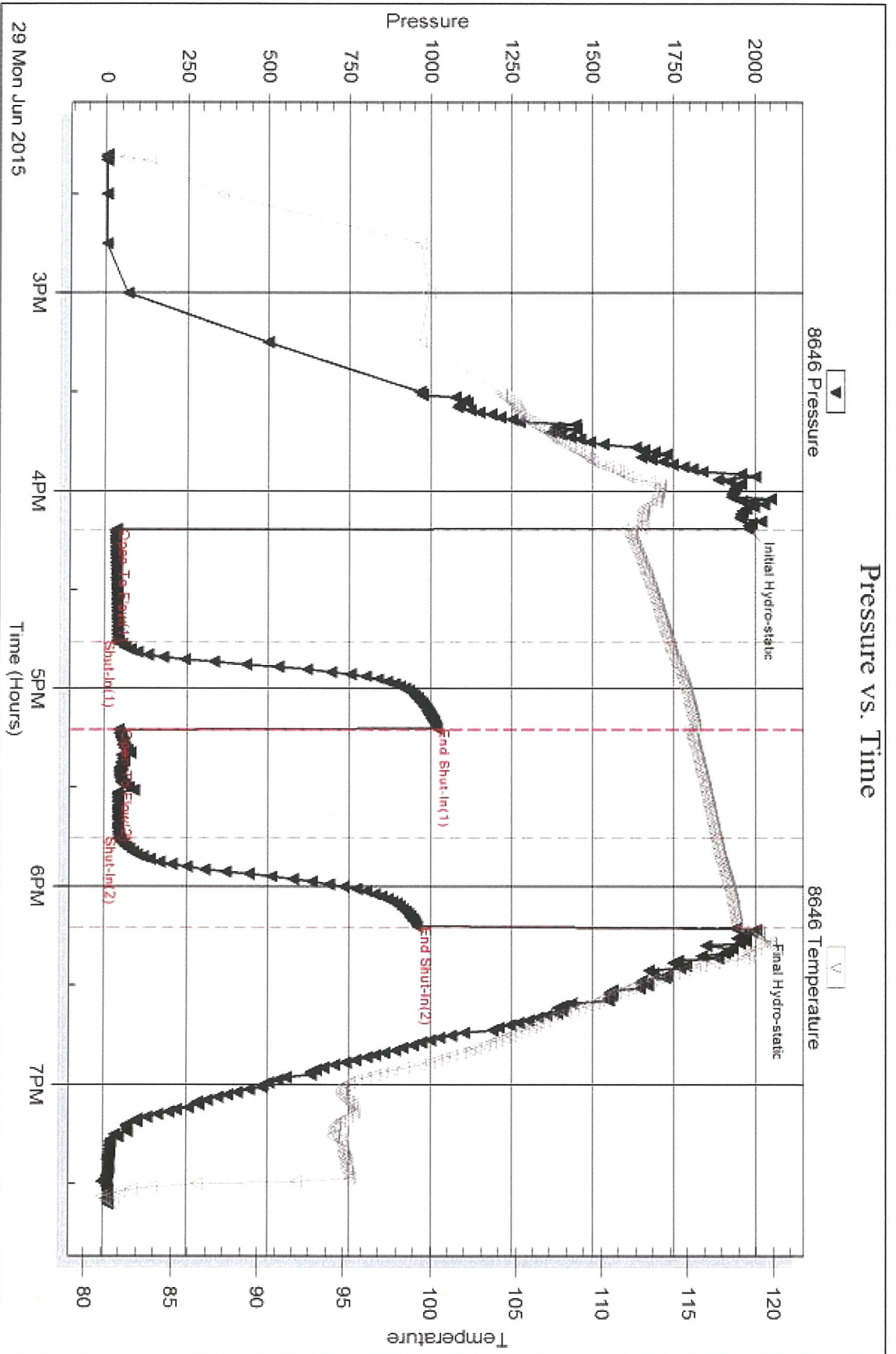
Serial #: 8646

Inside

Palomino Petroleum

B & F Otley #1

DST Test Number: 2



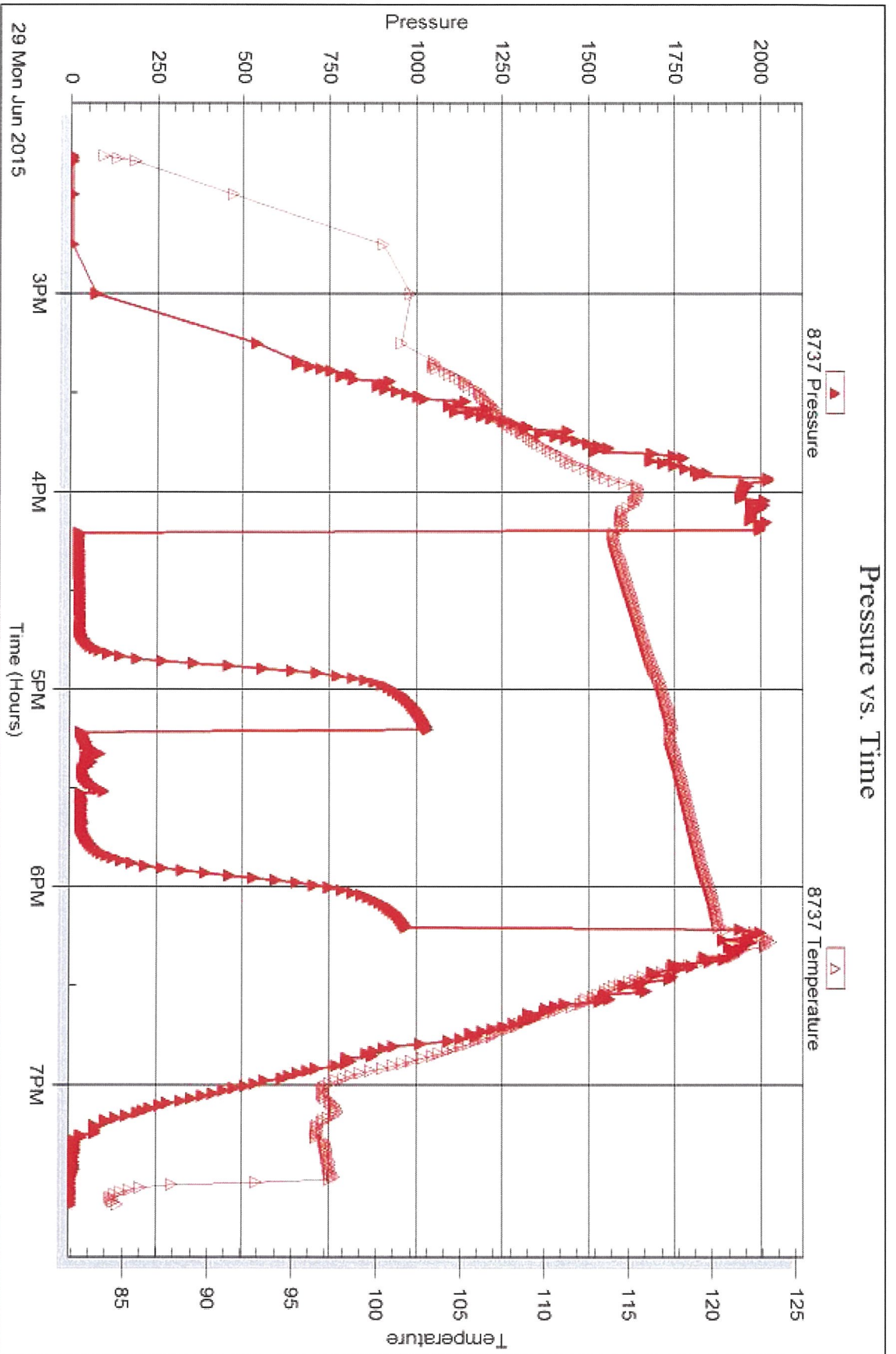
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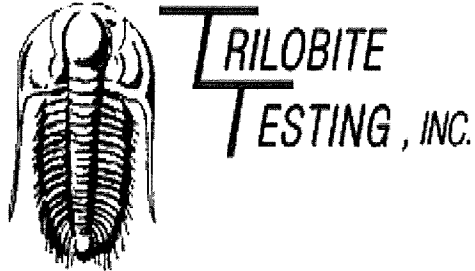
Outside

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

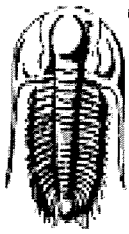
End Date: 2015.06.30 @ 10:12:30

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
 Newton KS 67114
 ATTN: Ryan Seib

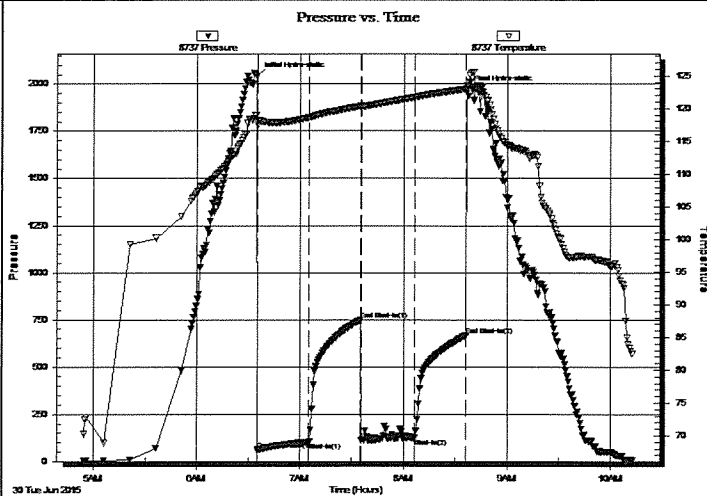
31-13s-30w Gove,KS
B & F Ottley #1
 Job Ticket: 61435 **DST#: 3**
 Test Start: 2015.06.30 @ 04:54:15

GENERAL INFORMATION:

Formation: **LKC K-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:35:15
 Time Test Ended: 10:12:30
 Interval: **4094.00 ft (KB) To 4180.00 ft (KB) (TVD)**
 Total Depth: **4180.00 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 #: 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

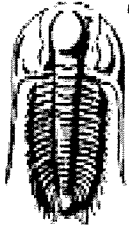
Recovery

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

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

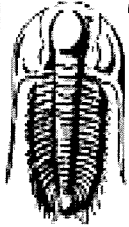
Test Start: 2015.06.30 @ 04:54:15

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
Total Tool Length:	114.00				



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 ³	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:

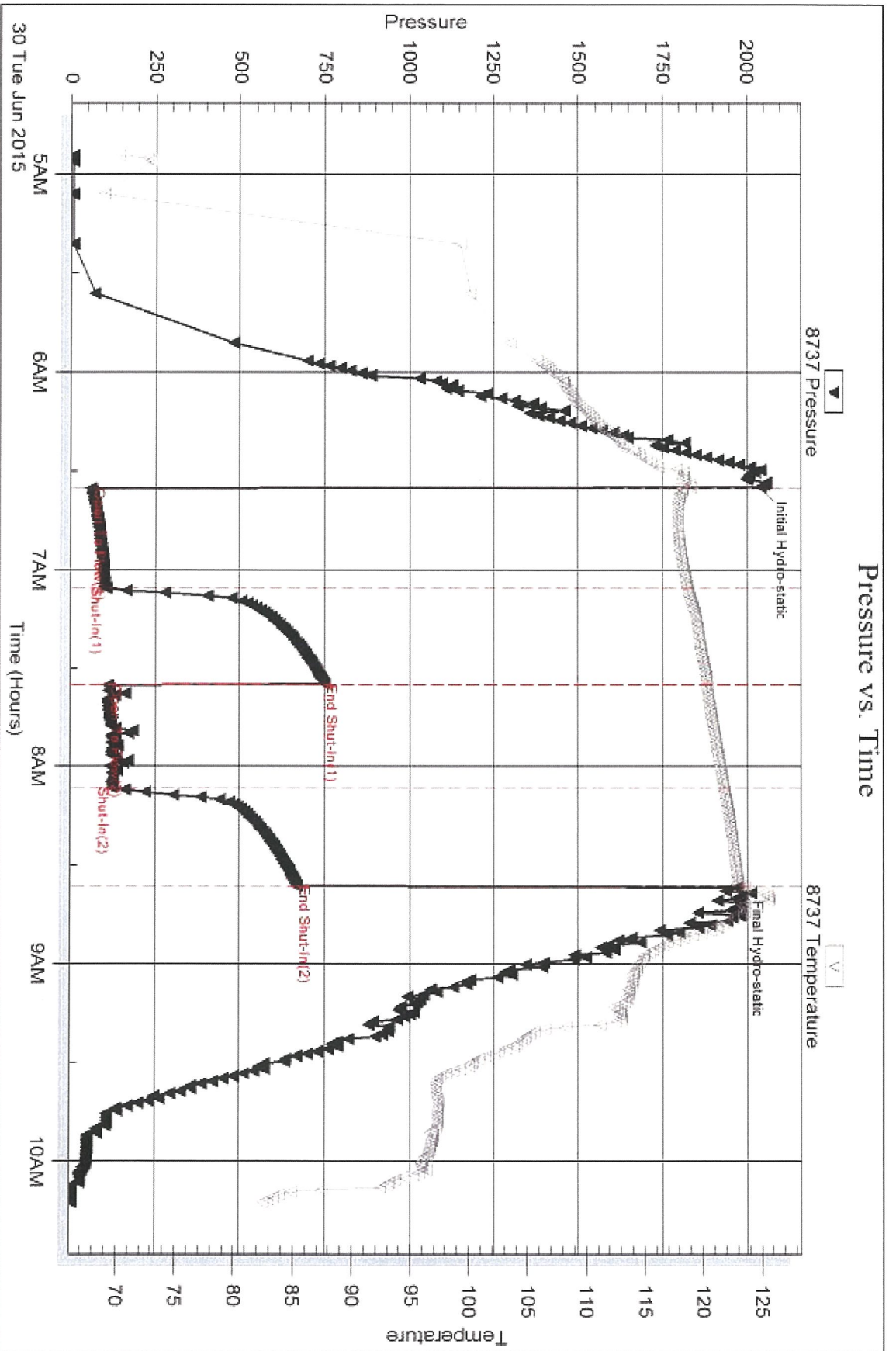
Serial #: 8737

Outside

Palomino Petroleum

B & F Otley #1

DST Test Number: 3



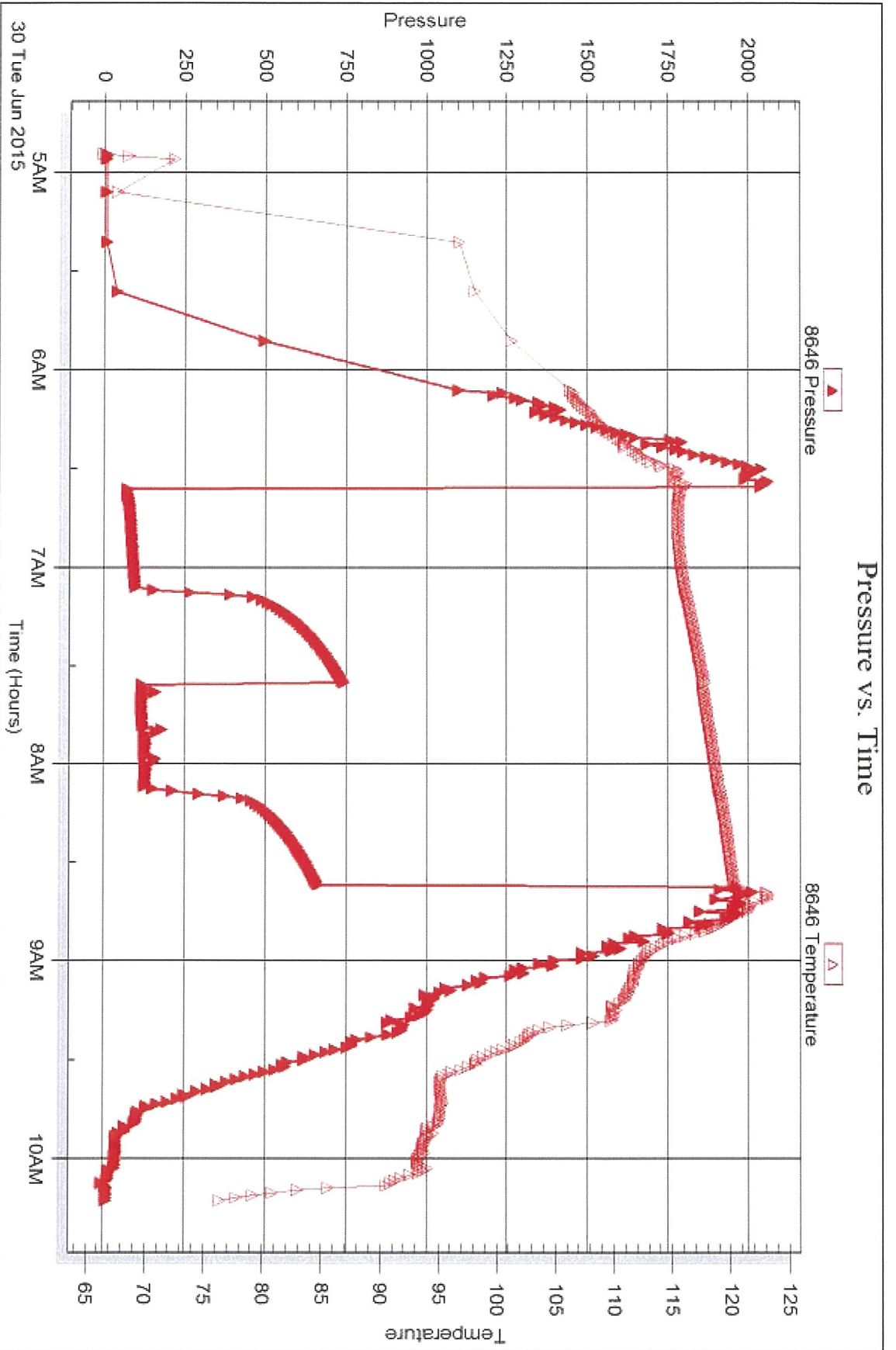
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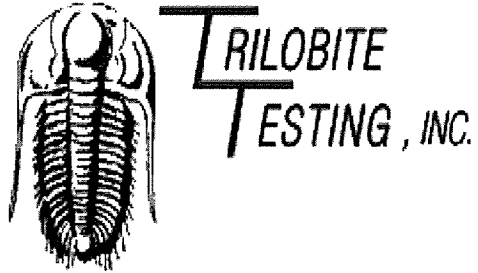
Inside

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

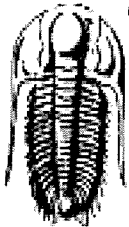
End Date: 2015.07.01 @ 16:05:15

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

Palomino Petroleum 31-13s-30w Gove,KS B & F Ottley #1 DST # 4 Johnson 2015.07.01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

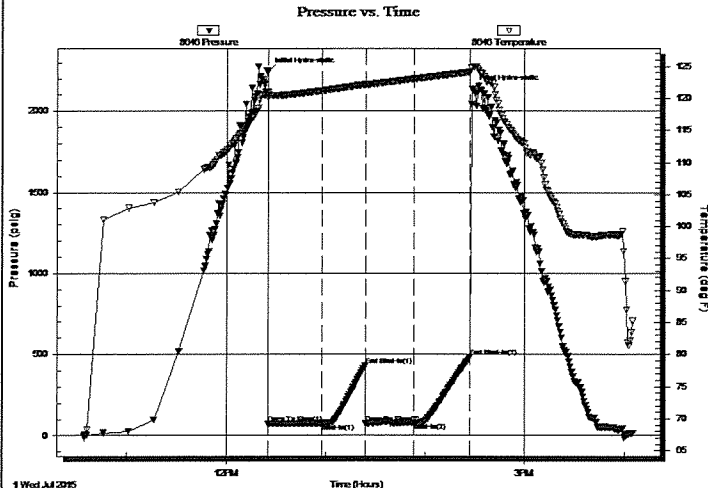
31-13s-30w Gove,KS
B & F Ottley #1
 Job Ticket: 61436 **DST#: 4**
 Test Start: 2015.07.01 @ 10:34:15

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 #: 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

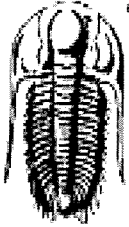
Recovery

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

* 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

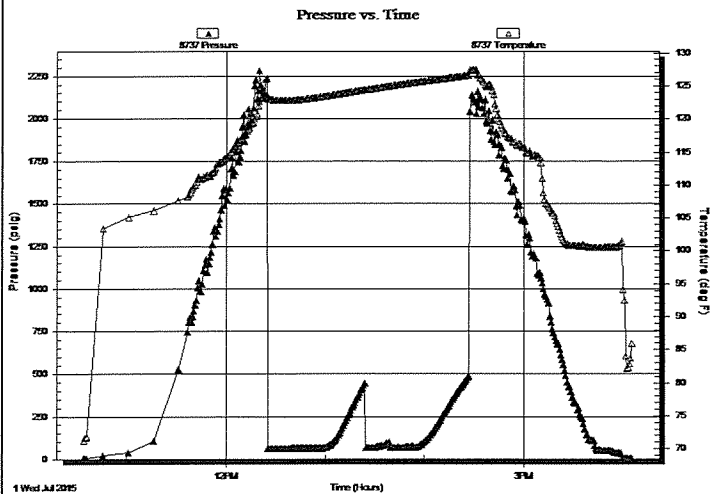
31-13s-30w Gove,KS
B & F Ottley #1
 Job Ticket: 61436 **DST#: 4**
 Test Start: 2015.07.01 @ 10:34:15

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:25:15
 Time Test Ended: 16:05:15
 Interval: **4340.00 ft (KB) To 4436.00 ft (KB) (TVD)**
 Total Depth: 4436.00 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 #: 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

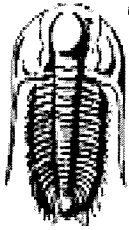
Recovery

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

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

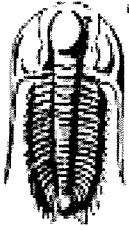
31-13s-30w Gove,KS
B & F Ottley #1
Job Ticket: 61436 **DST#: 4**
Test Start: 2015.07.01 @ 10:34:15

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
Total Tool Length:	124.00				



**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: 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 in³

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:

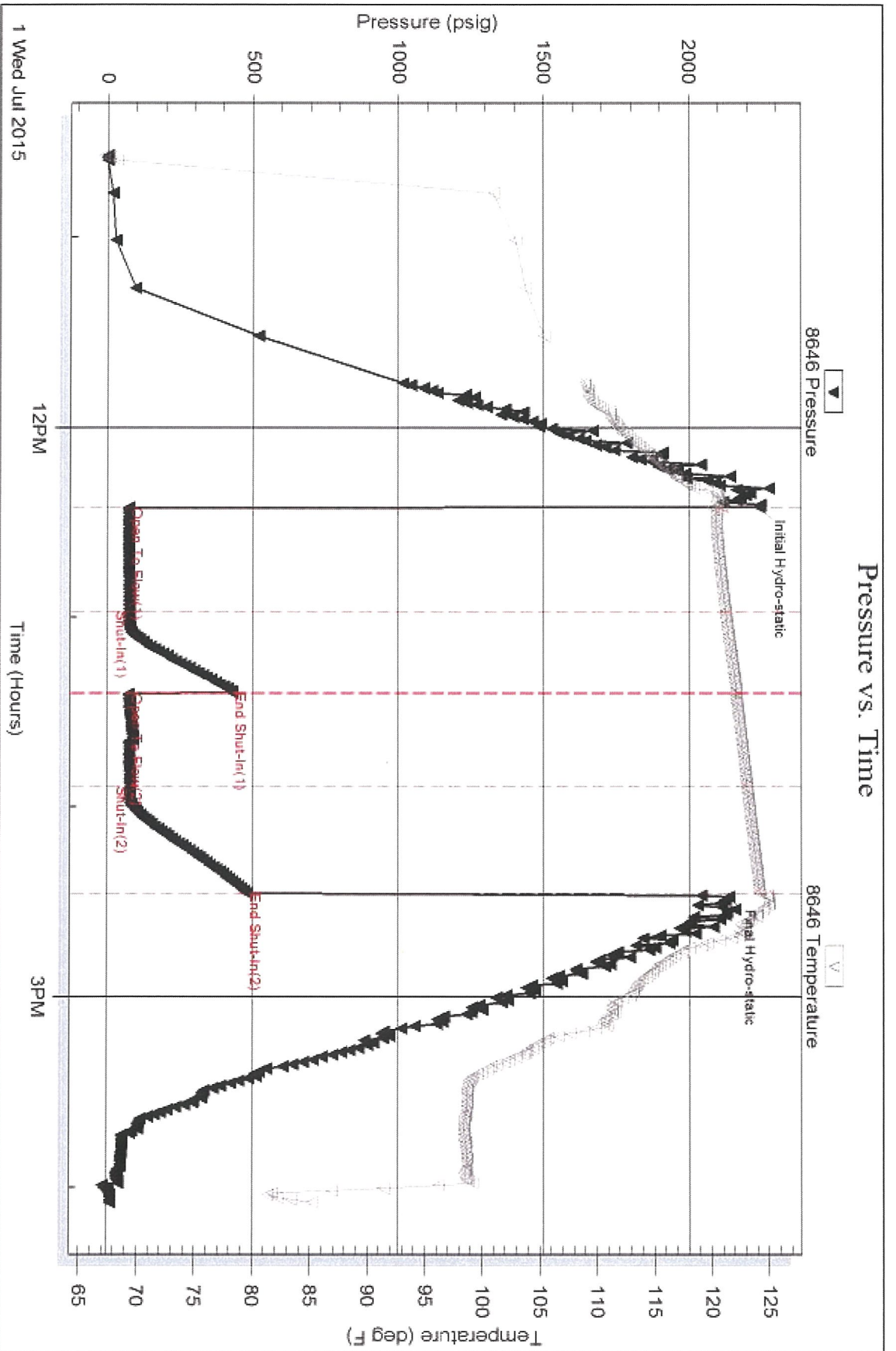
Serial #: 8646

Inside

Palomino Petroleum

B & F Otley #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 61436

Printed: 2015.07.03 @ 09:24:28

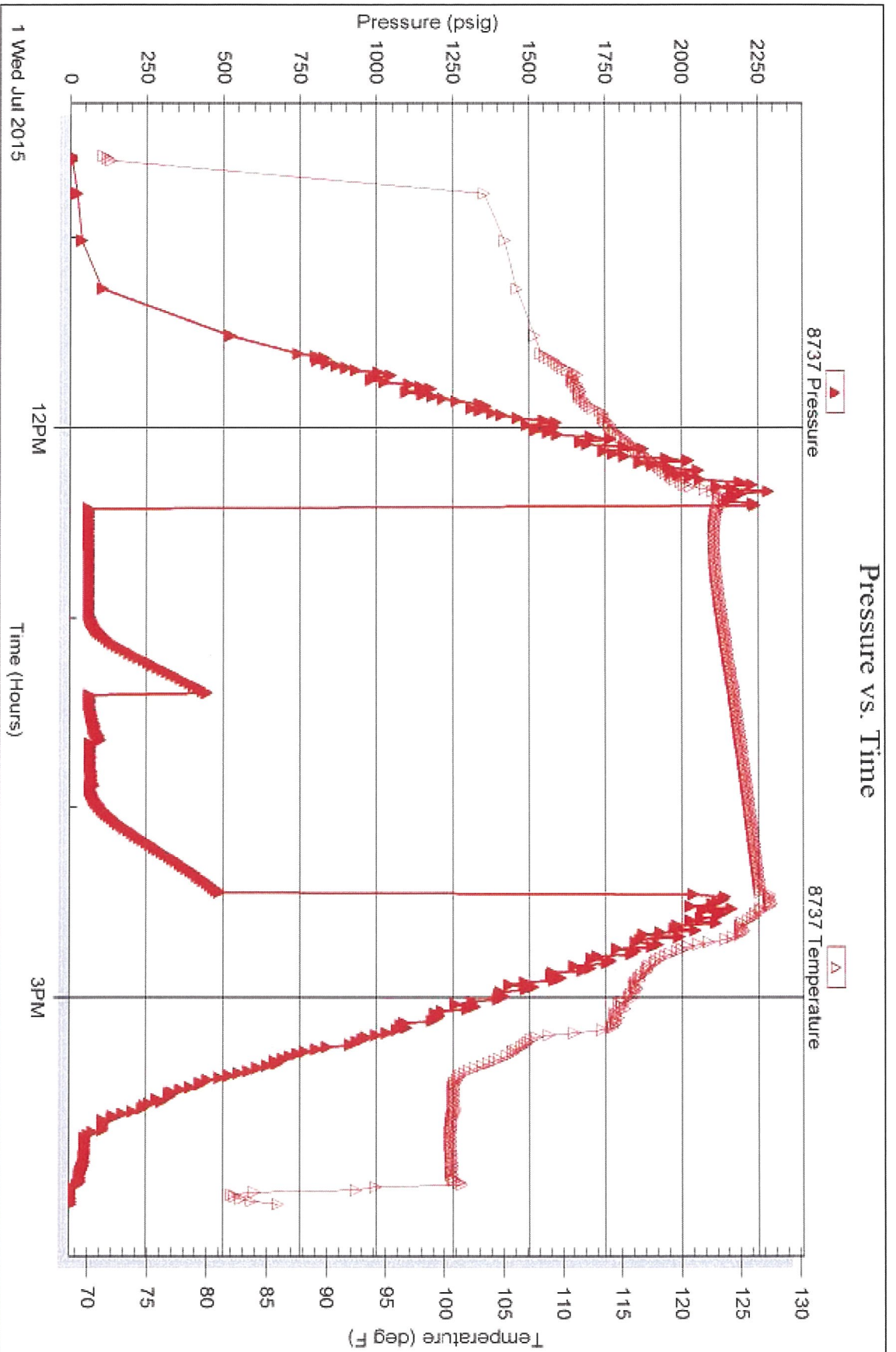
Serial #: 8737

Outside

Palomino Petroleum

B & F Otley #1

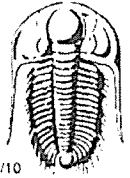
DST Test Number: 4



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

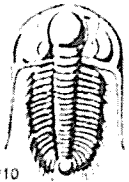
Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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 —
 Shale Packer — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —

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

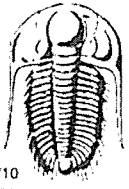
A) Initial Hydrostatic <u>1978</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>13:45</u>
B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>14:18</u>
C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety 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 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 4094 - 4180 Zone Tested K+L
 Anchor Length 86 Drill Pipe Run 3963 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

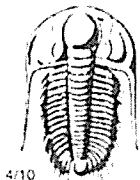
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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 + Dried 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 0
 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 or 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