



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1260413
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1260413

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

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

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

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

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

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

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Pickett 1
Doc ID	1260413

All Electric Logs Run

Dual Induction
Borehole Compensated Sonic
Micro Resistivity
Compensated Density Neutron

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Pickett 1
Doc ID	1260413

Tops

Name	Top	Datum
Anhy.	2197	(+837)
Base Anhy.	2258	(+776)
Heebner	3922	(-888)
Lansing	3978	(-944)
Muncie Creek	4172	(-1138)
Stark Sh.	4280	(-1246)
BKC	4414	(-1380)
Marmaton	4438	(-1404)
Pawnee	4532	(-1498)
Ft. Scott	4558	(-1524)
Cherokee Sh.	4572	(-1530)
Morrow Sh.	4745	(-1711)
Morrow Sd.	4790	(-1756)
Miss.	4841	(-1807)
LTD	4960	(-1926)



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

JUL 18 2015

MAIN OFFICE

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

Invoice Invoice# 804958

Invoice Date: 07/16/15 Terms: Net 30 Page 1

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

PICKETT #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	7.1500	30.000	250.25
CE0710	Cement Delivery Charge	1.000	1,015.8700	30.000	711.11
CC5829	Lite-Weight Blend V (60:40:4)	270.000	16.0000	30.000	3,024.00
CC6075	Celloflake	67.500	2.0000	30.000	94.50

Subtotal 7,328.37
Discounted Amount 2,198.51
SubTotal After Discount 5,129.86

Amount Due 7,707.05 If paid after 08/15/15

Tax: 265.07
Total: 5,394.93



CONSOLIDATED
Oil Well Services, LLC

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

3527
3440

TICKET NUMBER 49468
LOCATION Oakley, KS
FOREMAN Kelly Gabel

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 804958

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-16-15	6285	Pickett #1	3	20	34	Scott
CUSTOMER						
MAILING ADDRESS						
CITY						
STATE						
ZIP CODE						
CUSTOMER			Scott City, MO			
MAILING ADDRESS			W to Doadend 1 1/2 S E.S			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			731	Jeremy		
			530 T127	Billy		
			640			

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

REMARKS: safety meeting rigged up on wtw #10, mixed cement
Plugs + displaced as ordered

- 50@2380
- 800@1200
- 50@575
- 400@250
- 20@60
- 30 RH

Thank You
Kelly Gabel

5175

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CE0002	50 mi	MILEAGE	7.15	357.50
CE0710	11.61	Ton mileage delivery	75	1015.82
CC582	270 SKS	Lite weight Blend V (60/40 490 gal)	16.00	4320.00
CC6075	6 7/2	cellulose	2.00	135.00
			Sub	7328.37
			Less	3070
			total	5129.87
			SALES TAX	265.07
			ESTIMATED TOTAL	5394.93

Ravin 3737

AUTHORIZATION Rich Adams TITLE _____ DATE 7-16-15

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 11 2015

MAIN OFFICE

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

Invoice

Invoice#

804858

Invoice Date: 07/08/15

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET
NEWTON KS 67114-8827
USA

PICKET #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	33.000	1,273.00
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	7.1500	33.000	239.53
CE0710	Cement Delivery Charge	1.000	673.7500	33.000	451.41
CC5871	Surface Blend II, 2% Gel/3% CaCl	165.000	23.0000	33.000	2,542.65

Subtotal 6,726.25

Discounted Amount 2,219.66

SubTotal After Discount 4,506.59

Amount Due 7,048.83 If paid after 08/07/15

Tax: 216.12

Total: 4,722.71



CONSOLIDATED
Oil Well Services, LLC

3428
3350

TICKET NUMBER 49441
LOCATION Oakley KS
FOREMAN Dane Retzlaff

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

FIELD TICKET & TREATMENT REPORT
INVOICE # 804058 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-6-15	6285	Pickett #1	3	20	24	Scott
CUSTOMER			Ks			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			599	Mike	2.5 hrs	
STATE			566	Lance	2.5 hrs	
ZIP CODE			703			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH _____ CASING SIZE & WEIGHT 8 1/2 24 LBS
 CASING DEPTH 218 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk 6.50 CEMENT LEFT in CASING 20'
 DISPLACEMENT 12.6 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

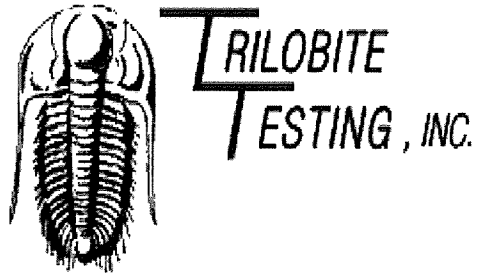
REMARKS: Safety meeting. Rig up. Break circulation with rig pump. Mix 165 sks Class A cement
3% cc 2% gel Displace 12.5 BBls of water, shut in, Rig down
Cement did circulate

Thanks, Dane & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0751	1	PUMP CHARGE	1900.00	1900.00
CE 0002	50	MILEAGE	7.15	357.50
CE 0710	7.7	Ton Mileage Delivery	1.25	673.75
CC 5871	165 sks	Surface Blend II, 2% gel 3% cc	23.00	3795.00
			sub	6726.25
			less 33%	2219.66
			Total	4506.59

Flavin 3737 AUTHORIZATION [Signature] TITLE _____ DATE 7/6/15
 SALES TAX ESTIMATED TOTAL 216.12
4722.71

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**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date: 2015.07.10 @ 23:28:15

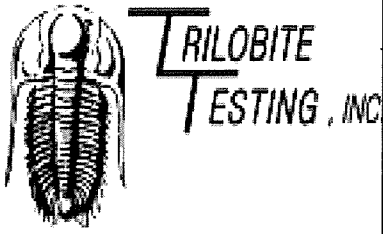
End Date: 2015.07.11 @ 06:40:45

Job Ticket #: 61437 DST #: 1

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

Printed: 2015.07.16 @ 09:35:23

Palomino Petroleum 3-20s-34w Scott,KS Pickett #1 DST # 1 LKC H-I 2015.07.10



DRILL STEM TEST REPORT

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61437

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.07.10 @ 23:28:15

GENERAL INFORMATION:

Formation: **LKC H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:45:30

Time Test Ended: 06:40:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 4173.00 ft (KB) To 4239.00 ft (KB) (TVD)

Reference Elevations: 3034.00 ft (KB)

Total Depth: 4239.00 ft (KB) (TVD)

3029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8846

Inside

Press@RunDepth: 122.79 psig @ 4176.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.10

End Date:

2015.07.11

Last Calib.: 2015.07.11

Start Time: 23:28:15

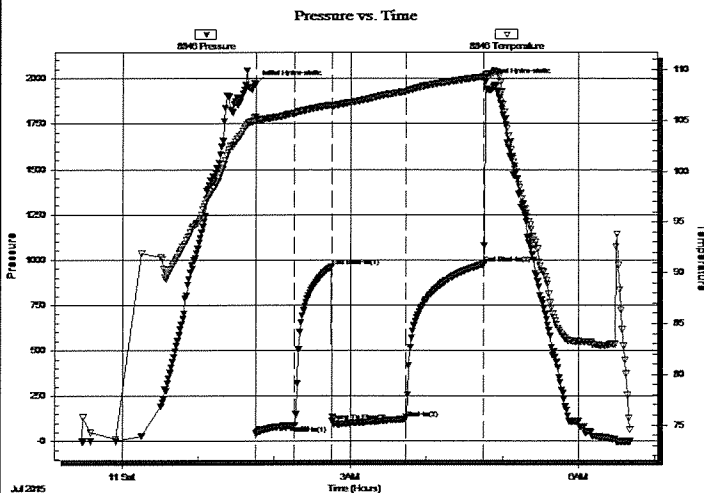
End Time:

06:40:45

Time On Btm: 2015.07.11 @ 01:45:15

Time Off Btm: 2015.07.11 @ 04:46:15

TEST COMMENT: IF:Built to 7 1/2" blow
IS:No return blow
FF:BOB in 42 minutes
FS:No return blow



PRESSURE SUMMARY

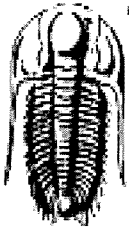
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1970.93	105.32	Initial Hydro-static
1	44.97	104.85	Open To Flow (1)
31	87.74	105.69	Shut-In(1)
61	964.80	106.52	End Shut-In(1)
61	110.55	106.34	Open To Flow (2)
119	122.79	107.84	Shut-In(2)
180	977.00	109.28	End Shut-In(2)
181	1978.90	109.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	ocm 5%o 95%m	0.59
62.00	mco 20%m 80%o	0.87
10.00	free oil 100%o	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE 84th St
New ton KS 67114

ATTN: Andrew Stenzel

3-20s-34w Scott,KS

Pickett #1

Job Ticket: 61437

DST#: 1

Test Start: 2015.07.10 @ 23:28:15

GENERAL INFORMATION:

Formation: **LKC H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:45:30

Time Test Ended: 06:40:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: **4173.00 ft (KB) To 4239.00 ft (KB) (TVD)**

Total Depth: 4239.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3034.00 ft (KB)

3029.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4176.00 ft (KB)

Start Date: 2015.07.10

End Date:

2015.07.11

Capacity: 8000.00 psig

Last Calib.:

2015.07.11

Start Time: 23:28:15

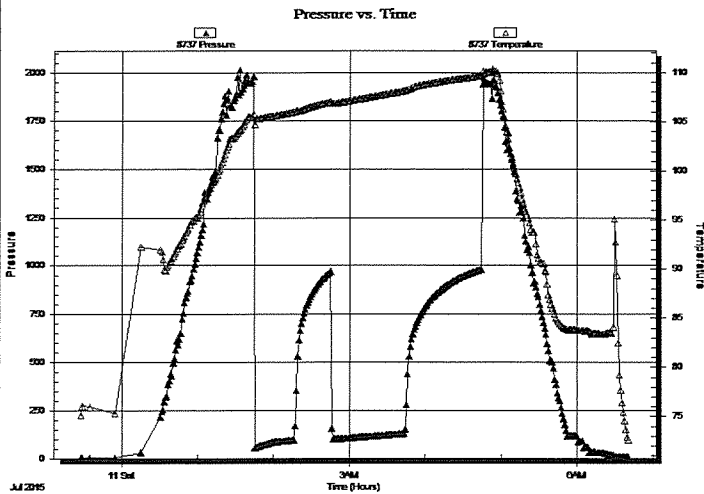
End Time:

06:40:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Built to 7 1/2" blow
IS:No return blow
FF:BOB in 42 minutes
FS:No return blow



PRESSURE SUMMARY

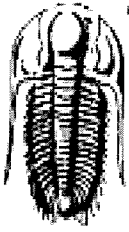
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	ocm 5%o 95%m	0.59
62.00	mco 20%m 80%o	0.87
10.00	free oil 100%o	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61437

DST#: 1

ATTN: Andrew Stenzel

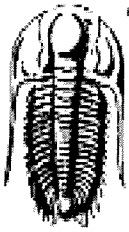
Test Start: 2015.07.10 @ 23:28:15

Tool Information

Drill Pipe:	Length: 4037.00 ft	Diameter: 3.80 inches	Volume: 56.63 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: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4173.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	94.00 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			4146.00	
Shut In Tool	5.00			4151.00	
Hydraulic tool	5.00			4156.00	
Jars	5.00			4161.00	
Safety Joint	3.00			4164.00	
Packer	5.00			4169.00	28.00 Bottom Of Top Packer
Packer	4.00			4173.00	
Stubb	1.00			4174.00	
Perforations	2.00			4176.00	
Recorder	0.00	8846	Inside	4176.00	
Recorder	0.00	8737	Outside	4176.00	
Change Over Sub	1.00			4177.00	
Drill Pipe	32.00			4209.00	
Change Over Sub	1.00			4210.00	
Perforations	24.00			4234.00	
Bullnose	5.00			4239.00	66.00 Bottom Packers & Anchor
Total Tool Length:	94.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61437

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.07.10 @ 23:28:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.52 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	ocm 5%o 95%m	0.590
62.00	mco 20%m 80%o	0.870
10.00	free oil 100%o	0.140

Total Length: 192.00 ft Total Volume: 1.600 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 32 @70 corrected to 31 @ 60

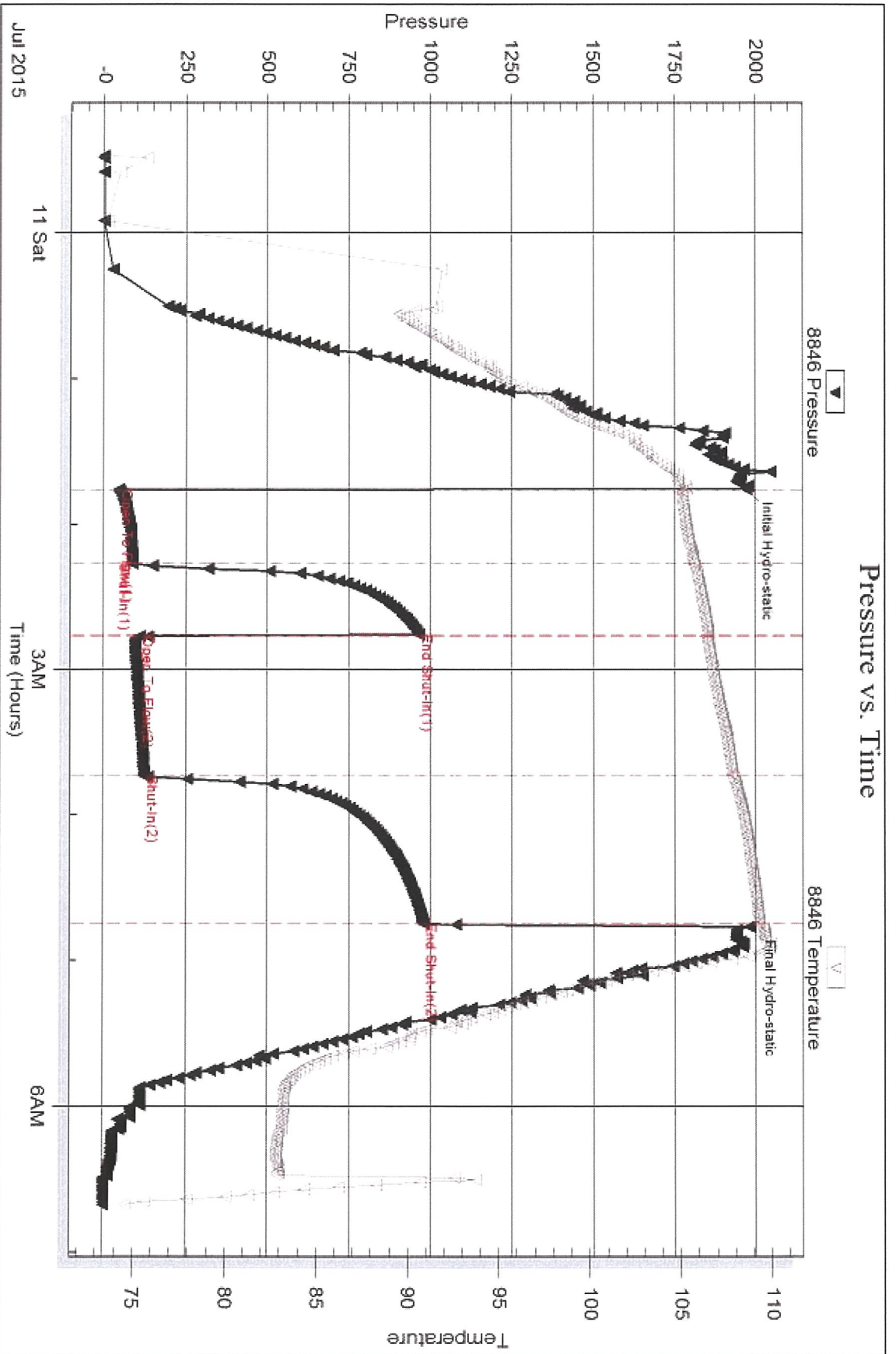
Serial #: 8846

Inside

Palomino Petroleum

Pickett #1

OST Test Number: 1

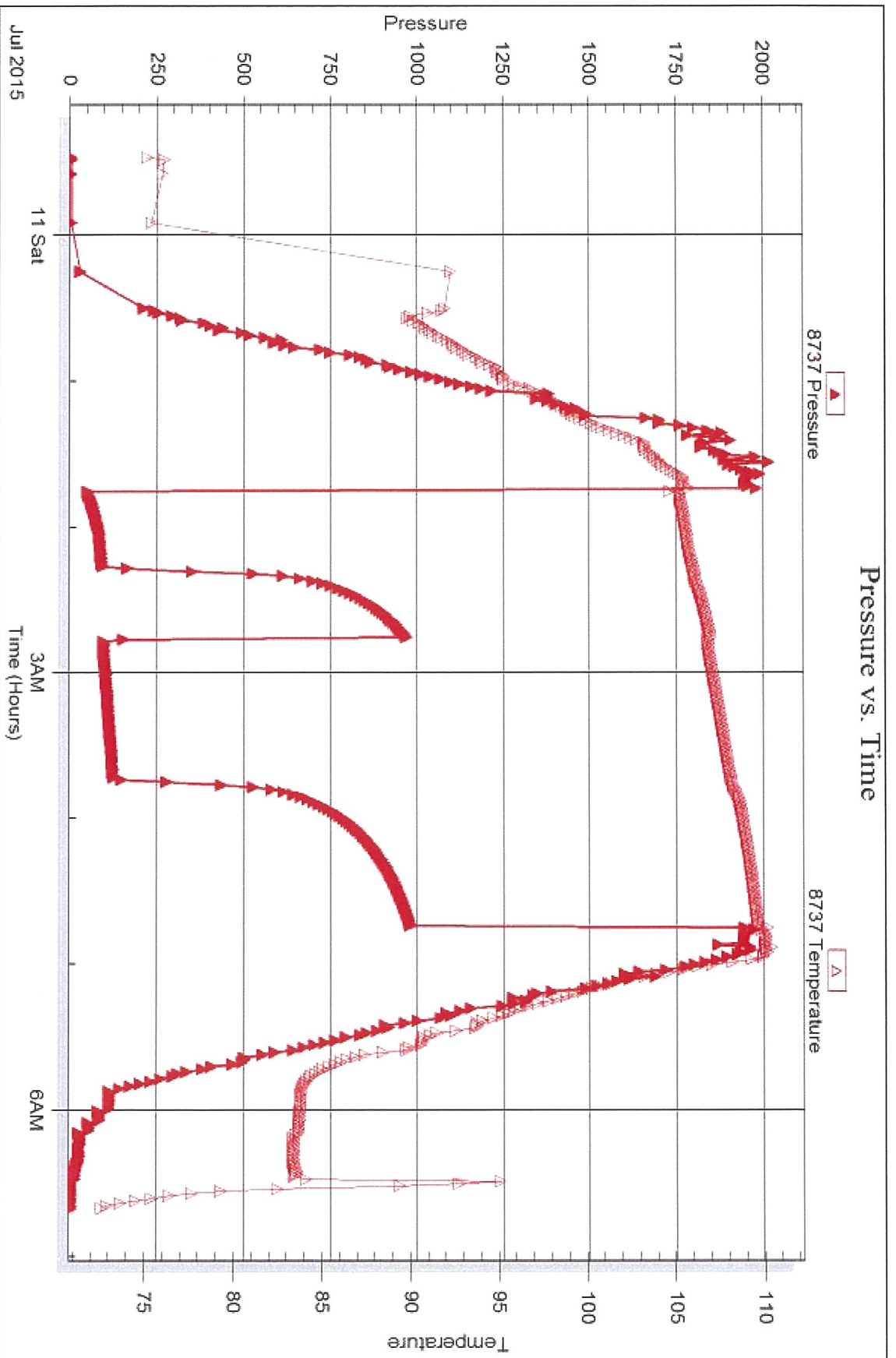


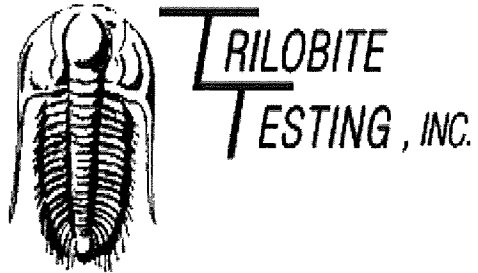
Serial #: 8737

Outside Palomino Petroleum

Picket #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date: 2015.07.11 @ 14:06:15

End Date: 2015.07.11 @ 19:48:00

Job Ticket #: 61438 DST #: 2

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

Printed: 2015.07.16 @ 09:34:53

Palomino Petroleum
3-20s-34w Scott,KS
Pickett #1
DST # 2
LKC J
2015.07.11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61438

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.07.11 @ 14:06:15

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:02:45

Time Test Ended: 19:48:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4237.00 ft (KB) To 4278.00 ft (KB) (TVD)**

Reference Elevations: 3034.00 ft (KB)

Total Depth: 4278.00 ft (KB) (TVD)

3029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8846

Inside

Press@RunDepth: 172.55 psig @ 4239.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.11

End Date:

2015.07.11

Last Calib.: 2015.07.11

Start Time: 14:06:15

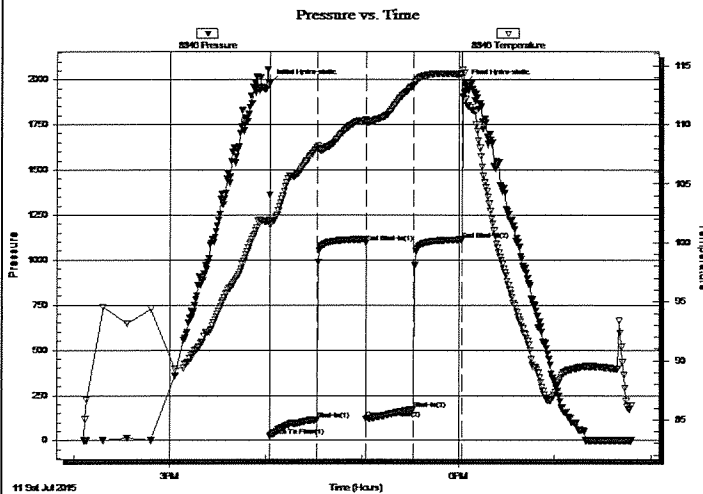
End Time:

19:48:00

Time On Btm: 2015.07.11 @ 16:02:15

Time Off Btm: 2015.07.11 @ 18:03:45

TEST COMMENT: IF:BOB in 26 min.
IS:No return blow
FF:BOB in 26 min.
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.53	101.89	Initial Hydro-static
1	24.30	101.54	Open To Flow (1)
30	114.76	108.06	Shut-In(1)
60	1095.37	110.37	End Shut-In(1)
60	118.33	110.16	Open To Flow (2)
90	172.55	113.36	Shut-In(2)
120	1113.33	114.25	End Shut-In(2)
122	1981.96	112.82	Final Hydro-static

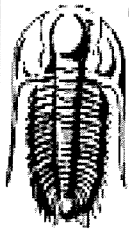
Recovery

Length (ft)	Description	Volume (bbl)
120.00	w cm 10%w 90%m	0.59
216.00	mud 100%m	3.03

* 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
New ton KS 67114
ATTN: Andrew Stenzel

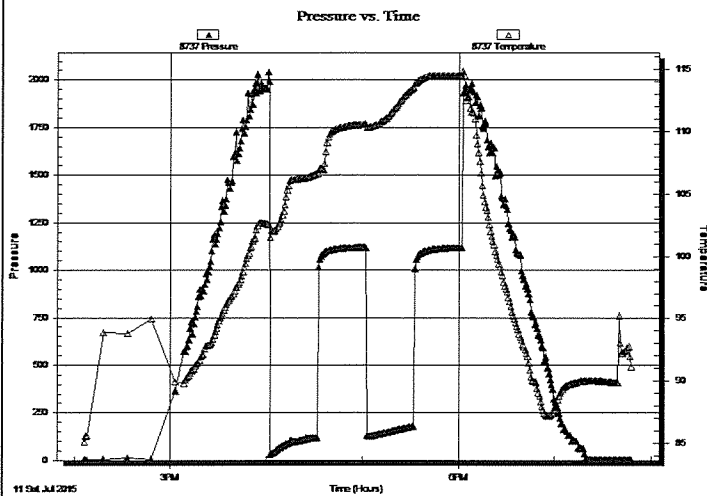
3-20s-34w Scott,KS
Pickett #1
Job Ticket: 61438 **DST#: 2**
Test Start: 2015.07.11 @ 14:06:15

GENERAL INFORMATION:

Formation: LKC J			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 16:02:45		Tester: Mike Roberts	
Time Test Ended: 19:48:00		Unit No: 65	
Interval: 4237.00 ft (KB) To 4278.00 ft (KB) (TVD)		Reference Elevations: 3034.00 ft (KB)	
Total Depth: 4278.00 ft (KB) (TVD)		3029.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft	

Serial #: 8737	Outside		
Press@RunDepth: psig @	4239.00 ft (KB)	Capacity: 8000.00 psig	
Start Date: 2015.07.11	End Date: 2015.07.11	Last Calib.: 2015.07.11	
Start Time: 14:06:15	End Time: 19:48:00	Time On Btm:	
		Time Off Btm:	

TEST COMMENT: IF:BOB in 26 min.
IS:No return blow
FF:BOB in 26 min.
FS:No return blow



PRESSURE SUMMARY

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

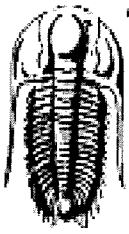
Recovery

Length (ft)	Description	Volume (bbl)
120.00	w cm 10%w 90%m	0.59
216.00	mud 100%m	3.03

* 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

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61438

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.07.11 @ 14:06:15

Tool Information

Drill Pipe:	Length: 4109.00 ft	Diameter: 3.80 inches	Volume: 57.64 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4237.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	69.00 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			4210.00	
Shut In Tool	5.00			4215.00	
Hydraulic tool	5.00			4220.00	
Jars	5.00			4225.00	
Safety Joint	3.00			4228.00	
Packer	5.00			4233.00	28.00 Bottom Of Top Packer
Packer	4.00			4237.00	
Stubb	1.00			4238.00	
Perforations	1.00			4239.00	
Recorder	0.00	8846	Inside	4239.00	
Recorder	0.00	8737	Outside	4239.00	
Change Over Sub	1.00			4240.00	
Drill Pipe	32.00			4272.00	
Change Over Sub	1.00			4273.00	
Bullnose	5.00			4278.00	41.00 Bottom Packers & Anchor

Total Tool Length: 69.00



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61438

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.07.11 @ 14:06:15

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:

14000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.61 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	w cm 10%w 90%m	0.590
216.00	mud 100%m	3.030

Total Length: 336.00 ft Total Volume: 3.620 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .36@99.8*=14,000 ppm

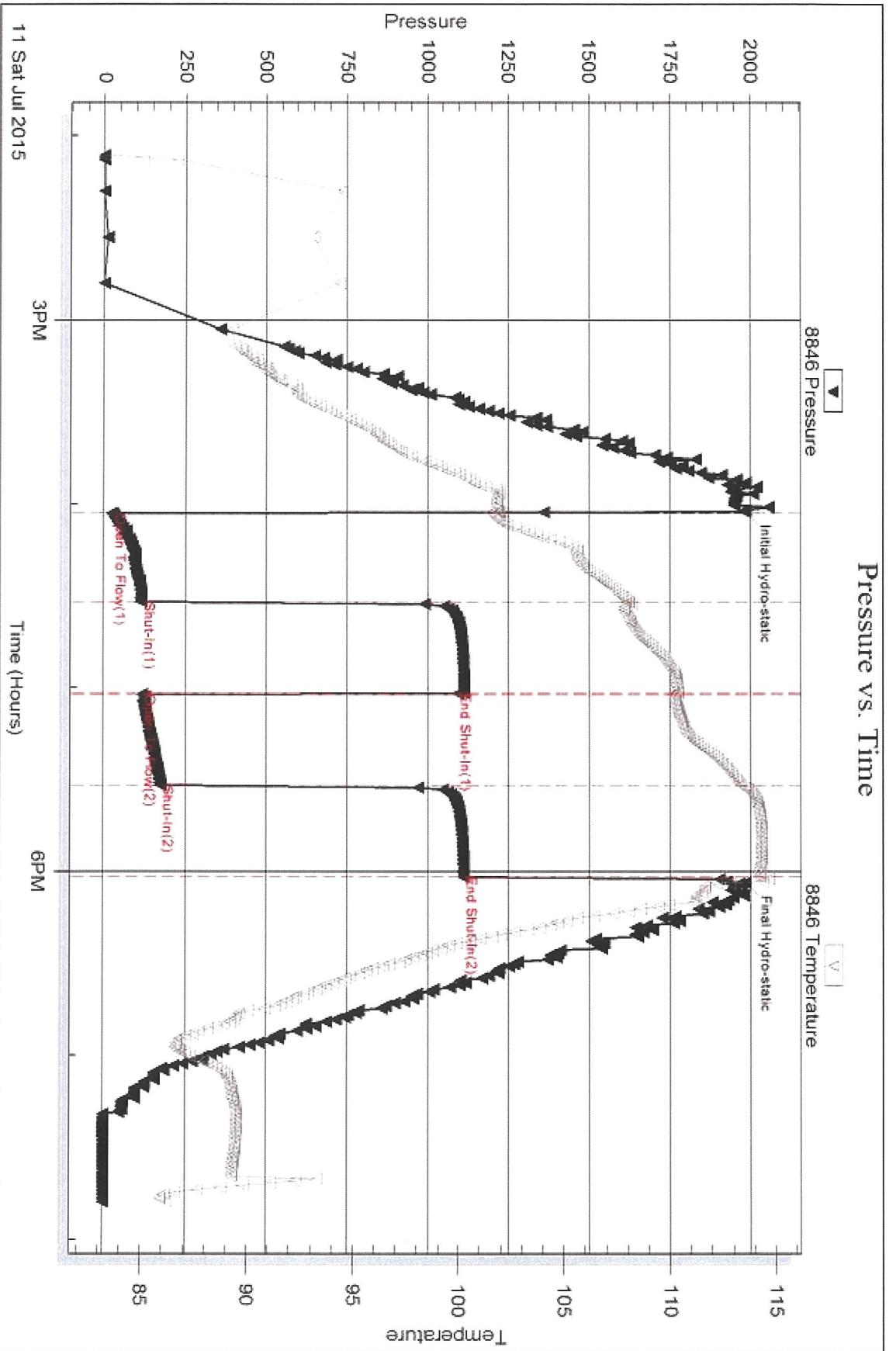
Serial #: 8846

Inside

Palomino Petroleum

Pickett #1

DST Test Number: 2



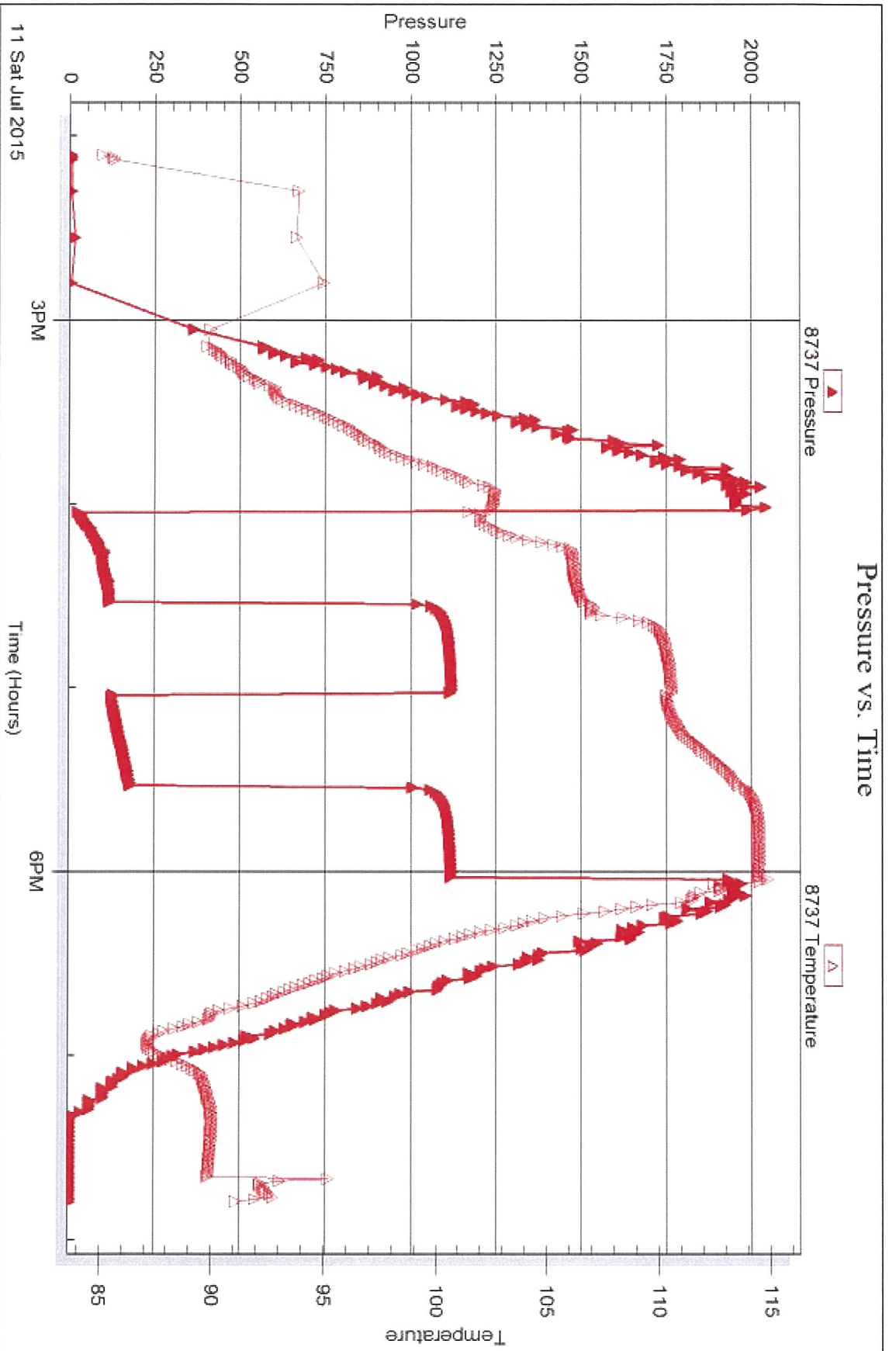
Serial #: 8737

Outside

Palomino Petroleum

Picket #1

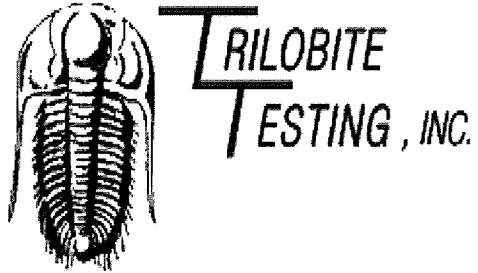
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 61438

Printed: 2015.07.16 @ 09:34:54



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

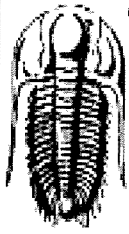
Start Date: 2015.07.12 @ 04:51:15

End Date: 2015.07.12 @ 10:44:15

Job Ticket #: 61439 DST #: 3

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

Printed: 2015.07.16 @ 09:34:32



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61439

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.07.12 @ 04:51:15

GENERAL INFORMATION:

Formation: **LKC K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:57:30

Time Test Ended: 10:44:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4277.00 ft (KB) To 4342.00 ft (KB) (TVD)**

Reference Elevations: 3034.00 ft (KB)

Total Depth: 4342.00 ft (KB) (TVD)

3029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8846

Inside

Press@RunDepth: 289.90 psig @ 4279.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.12

End Date:

2015.07.12

Last Calib.: 2015.07.12

Start Time: 04:51:15

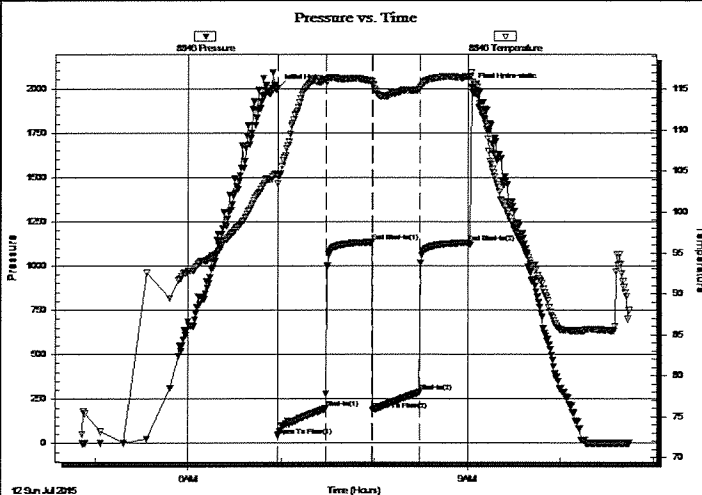
End Time:

10:44:15

Time On Btm: 2015.07.12 @ 06:57:15

Time Off Btm: 2015.07.12 @ 09:02:30

TEST COMMENT: IF:BOB in 11 min.
IS:No return blow
FF:BOB in 14 min.
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.02	104.64	Initial Hydro-static
1	43.15	103.51	Open To Flow (1)
32	196.37	116.06	Shut-In(1)
61	1134.05	115.91	End Shut-In(1)
62	187.68	115.66	Open To Flow (2)
92	289.90	115.06	Shut-In(2)
123	1131.15	116.55	End Shut-In(2)
126	2007.74	117.05	Final Hydro-static

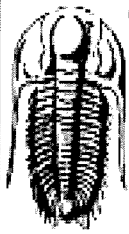
Recovery

Length (ft)	Description	Volume (bbl)
120.00	mcw 20%m 80%w	0.59
186.00	w cm 10%w 90%m	2.61
186.00	mud 100%m	2.61

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61439

DST#: 3

ATTN: Andrew Stenzel

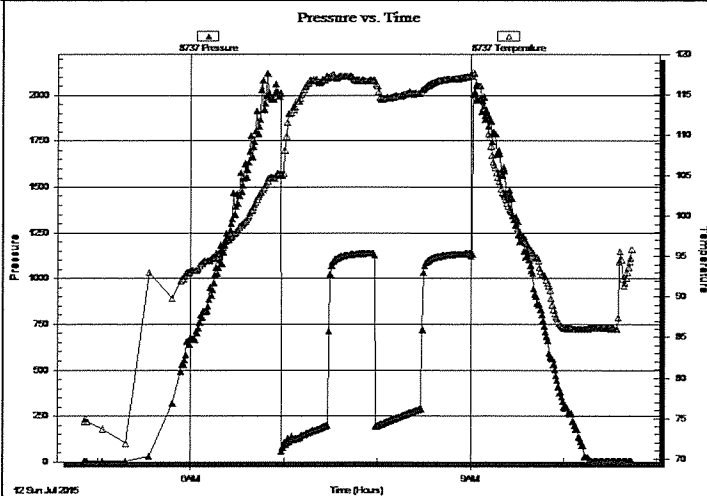
Test Start: 2015.07.12 @ 04:51:15

GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:57:30 Tester: Mike Roberts
 Time Test Ended: 10:44:15 Unit No: 65
 Interval: **4277.00 ft (KB) To 4342.00 ft (KB) (TVD)** Reference Elevations: 3034.00 ft (KB)
 Total Depth: 4342.00 ft (KB) (TVD) 3029.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8737 Outside
 Press@RunDepth: psig @ 4279.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.07.12 End Date: 2015.07.12 Last Calib.: 2015.07.12
 Start Time: 04:51:15 End Time: 10:44:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:BOB in 11 min.
 IS:No return blow
 FF:BOB in 14 min.
 FS:No return blow



PRESSURE SUMMARY

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

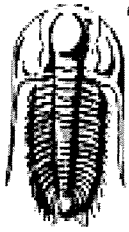
Recovery

Length (ft)	Description	Volume (bbl)
120.00	mcw 20%m 80%w	0.59
186.00	w cm 10%w 90%m	2.61
186.00	mud 100%m	2.61

* 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

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61439

DST#: 3

ATTN: Andrew Stenzel

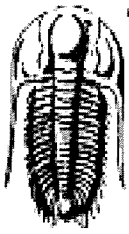
Test Start: 2015.07.12 @ 04:51:15

Tool Information

Drill Pipe:	Length: 4141.00 ft	Diameter: 3.80 inches	Volume: 58.09 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4277.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	93.00 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			4250.00	
Shut In Tool	5.00			4255.00	
Hydraulic tool	5.00			4260.00	
Jars	5.00			4265.00	
Safety Joint	3.00			4268.00	
Packer	5.00			4273.00	28.00 Bottom Of Top Packer
Packer	4.00			4277.00	
Stubb	1.00			4278.00	
Perforations	1.00			4279.00	
Recorder	0.00	8846	Inside	4279.00	
Recorder	0.00	8737	Outside	4279.00	
Change Over Sub	1.00			4280.00	
Drill Pipe	32.00			4312.00	
Change Over Sub	1.00			4313.00	
Perforations	24.00			4337.00	
Bullnose	5.00			4342.00	65.00 Bottom Packers & Anchor
Total Tool Length:	93.00				



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61439

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.07.12 @ 04:51:15

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:

21000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.63 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mcw 20%m 80%w	0.590
186.00	w cm 10%w 90%m	2.609
186.00	mud 100%m	2.609

Total Length: 492.00 ft Total Volume: 5.808 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial#:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .32@85.1=21,000 ppm

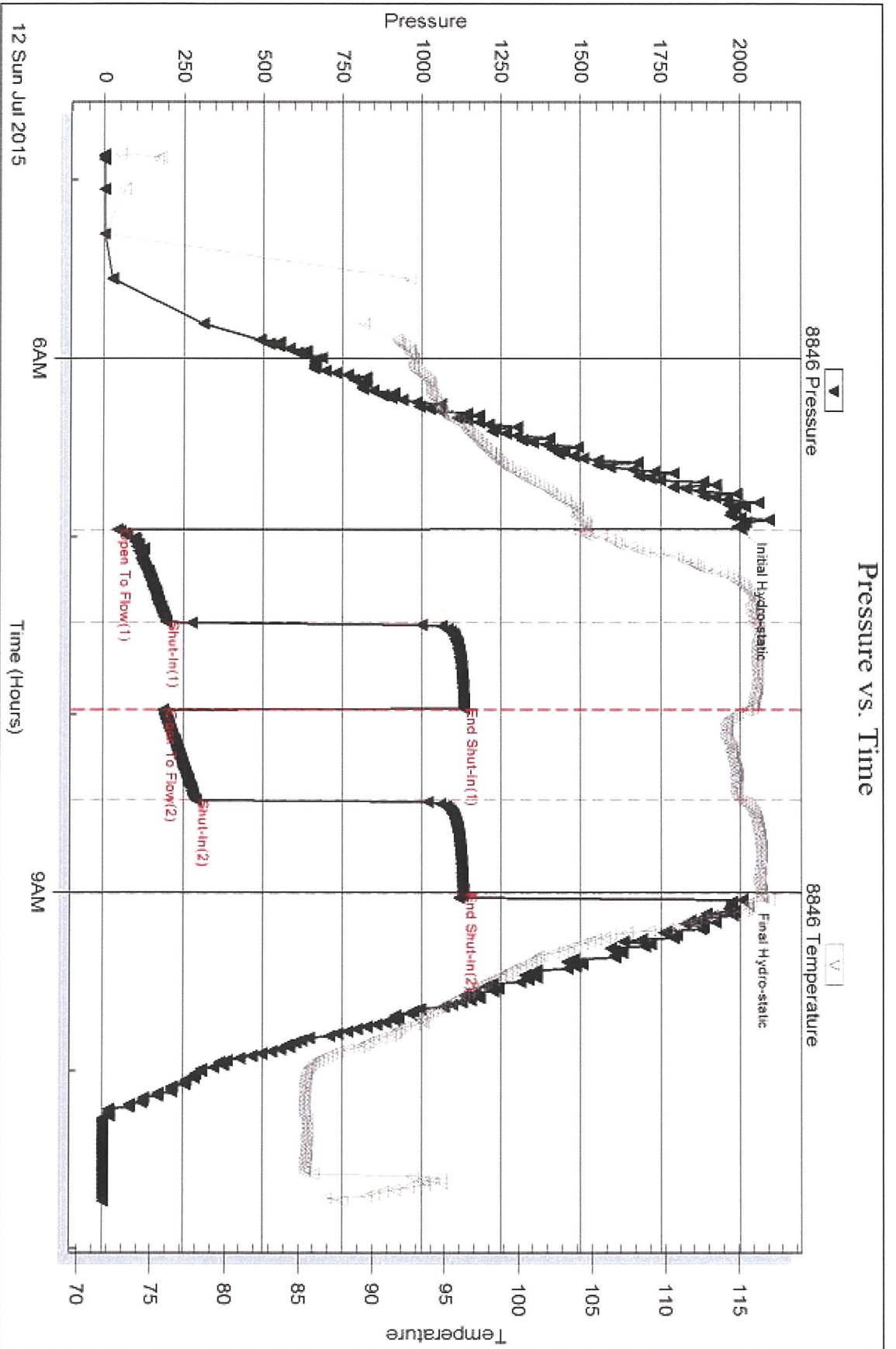
Serial #: 8846

Inside

Palomino Petroleum

Pickett #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 61439

Printed: 2015.07.16 @ 09:34:33

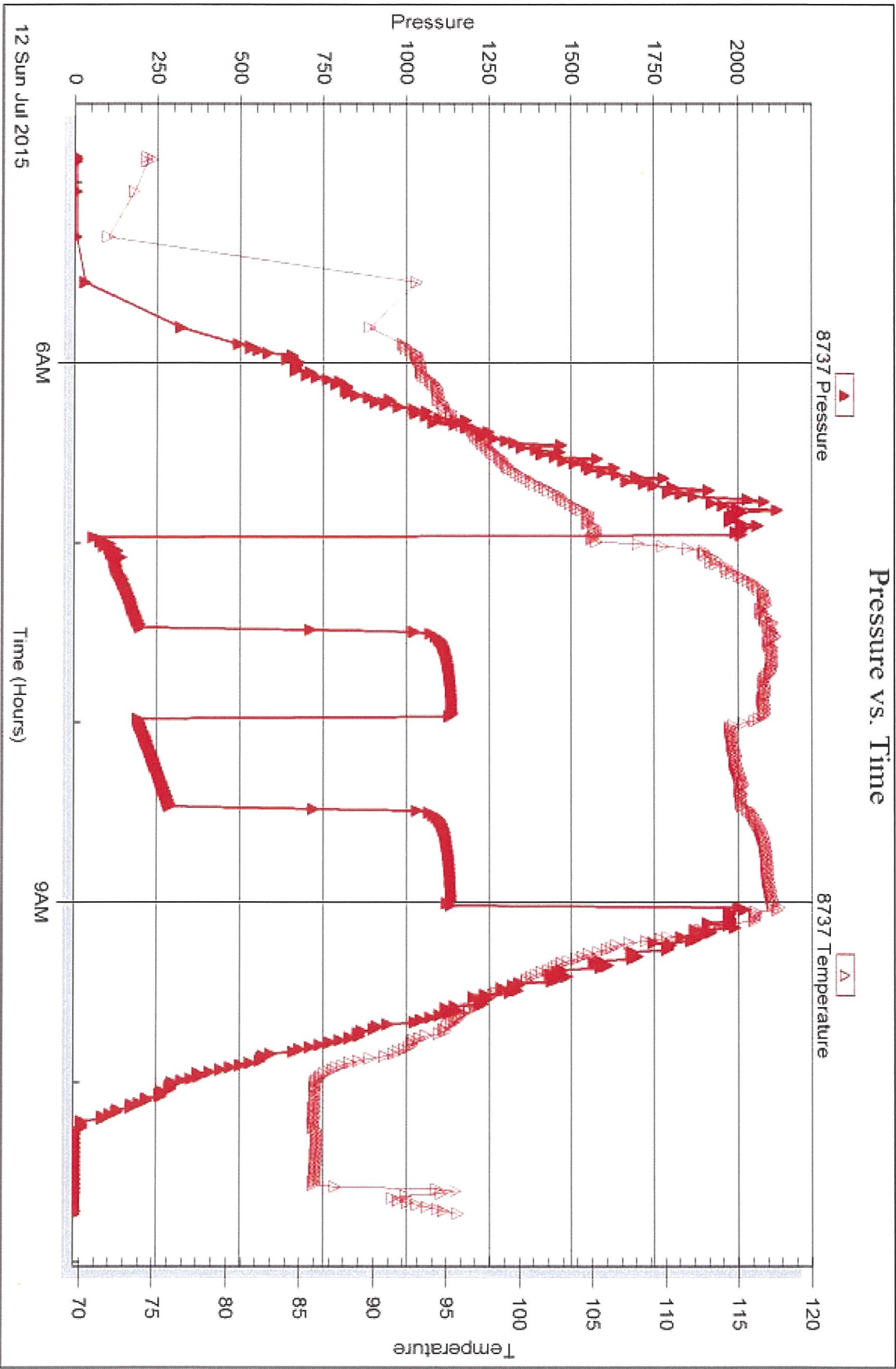
Serial #: 8737

Outside

Palomino Petroleum

Pickett #1

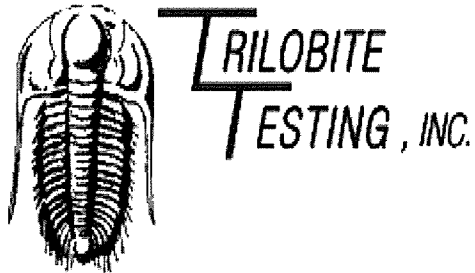
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 61439

Printed: 2015.07.16 @ 09:34:33



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date: 2015.07.13 @ 02:12:15

End Date: 2015.07.13 @ 07:57:15

Job Ticket #: 61440 DST #: 4

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2015.07.16 @ 09:34:05

Palomino Petroleum

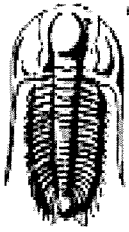
3-20s-34w Scott,KS

Pickett #1

DST # 4

Marmaton

2015.07.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

3-20s-34w Scott, KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61440

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2015.07.13 @ 02:12:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:10:15

Time Test Ended: 07:57:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4416.00 ft (KB) To 4527.00 ft (KB) (TVD)**

Reference Elevations: 3034.00 ft (KB)

Total Depth: 4239.00 ft (KB) (TVD)

3029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8846 Inside

Press@RunDepth: 1181.14 psig @ 4425.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.13

End Date: 2015.07.13

Last Calib.: 2015.07.14

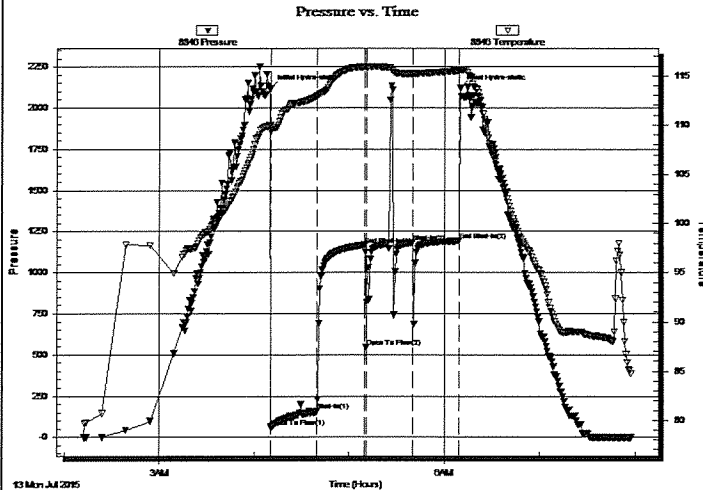
Start Time: 02:12:15

End Time: 07:57:15

Time On Btm: 2015.07.13 @ 04:10:00

Time Off Btm: 2015.07.13 @ 06:10:00

TEST COMMENT: IF: Built to 9" blow
IS: No return blow
FF: No blow --- flushed tool-- weak surface blow that died in 1 min
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2114.93	109.98	Initial Hydro-static
1	58.73	109.37	Open To Flow (1)
30	157.31	112.95	Shut-In(1)
60	1167.33	115.93	End Shut-In(1)
61	547.39	115.86	Open To Flow (2)
90	1181.14	115.23	Shut-In(2)
120	1192.89	115.56	End Shut-In(2)
120	2120.10	115.66	Final Hydro-static

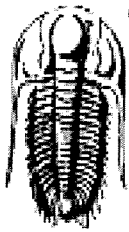
Recovery

Length (ft)	Description	Volume (bbl)
274.00	mud 100%m	2.75

* 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
New ton KS 67114

ATTN: Andrew Stenzel

3-20s-34w Scott,KS

Pickett #1

Job Ticket: 61440

DST#: 4

Test Start: 2015.07.13 @ 02:12:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:10:15

Time Test Ended: 07:57:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4416.00 ft (KB) To 4527.00 ft (KB) (TVD)**

Total Depth: 4239.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3034.00 ft (KB)

3029.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4425.00 ft (KB)

Start Date: 2015.07.13

End Date: 2015.07.13

Start Time: 02:12:15

End Time: 07:57:30

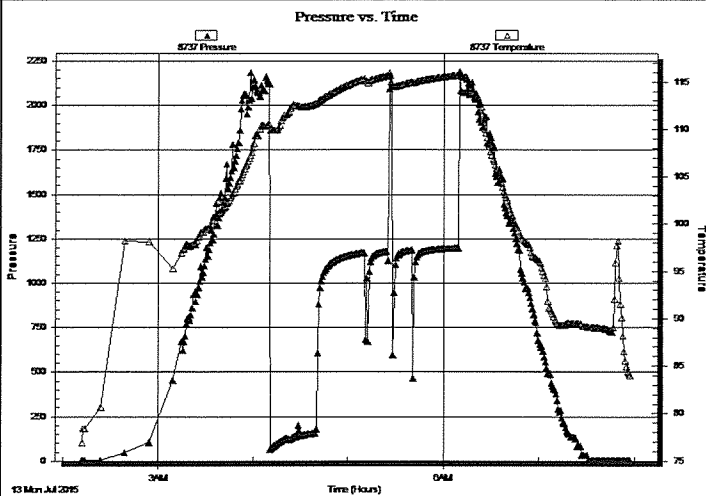
Capacity: 8000.00 psig

Last Calib.: 2015.07.14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Built to 9" blow
IS:No return blow
FF:No blow ---flushed tool-- w eak surface blow that died in 1 min
FS:No return blow



PRESSURE SUMMARY

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

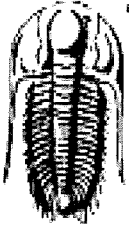
Recovery

Length (ft)	Description	Volume (bbl)
274.00	mud 100% m	2.75

* 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

3-20s-34w Scott, KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61440

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2015.07.13 @ 02:12:15

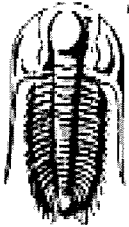
Tool Information

Drill Pipe:	Length: 4300.00 ft	Diameter: 3.80 inches	Volume: 60.32 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: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4416.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	111.00 ft			
Tool Length:	139.00 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			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	3.00			4407.00	
Packer	5.00			4412.00	28.00 Bottom Of Top Packer
Packer	4.00			4416.00	
Stubb	1.00			4417.00	
Perforations	8.00			4425.00	
Recorder	0.00	8846	Inside	4425.00	
Recorder	0.00	8737	Outside	4425.00	
Change Over Sub	1.00			4426.00	
Drill Pipe	95.00			4521.00	
Change Over Sub	1.00			4522.00	
Bullnose	5.00			4527.00	111.00 Bottom Packers & Anchor

Total Tool Length: 139.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

3-20s-34w Scott, KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61440

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2015.07.13 @ 02:12:15

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: 44.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.93 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
274.00	mud 100%m	2.750

Total Length: 274.00 ft

Total Volume: 2.750 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

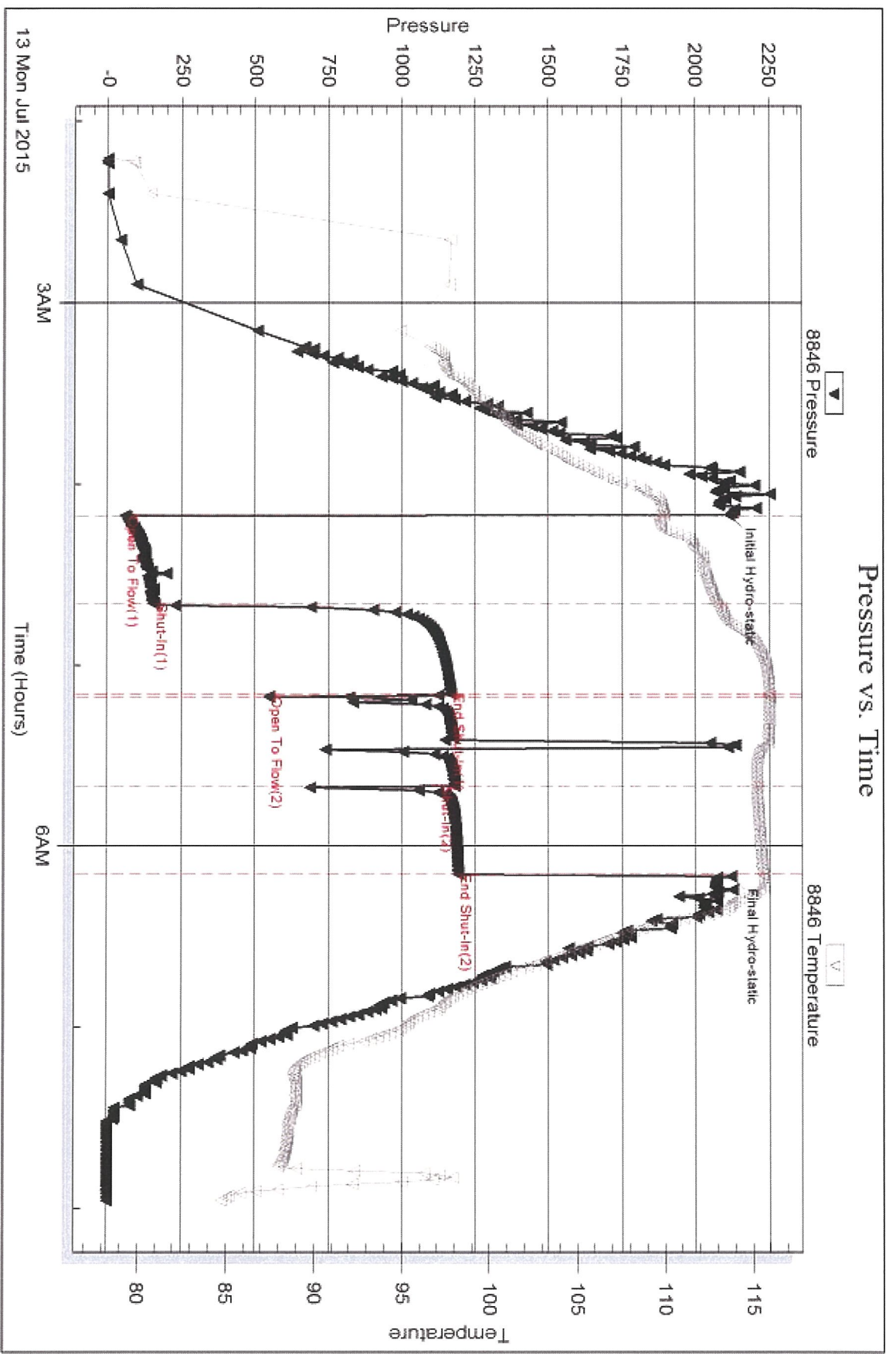
Serial #: 8846

Inside

Palomino Petroleum

Picket #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 61440

Printed: 2015.07.16 @ 09:34:06

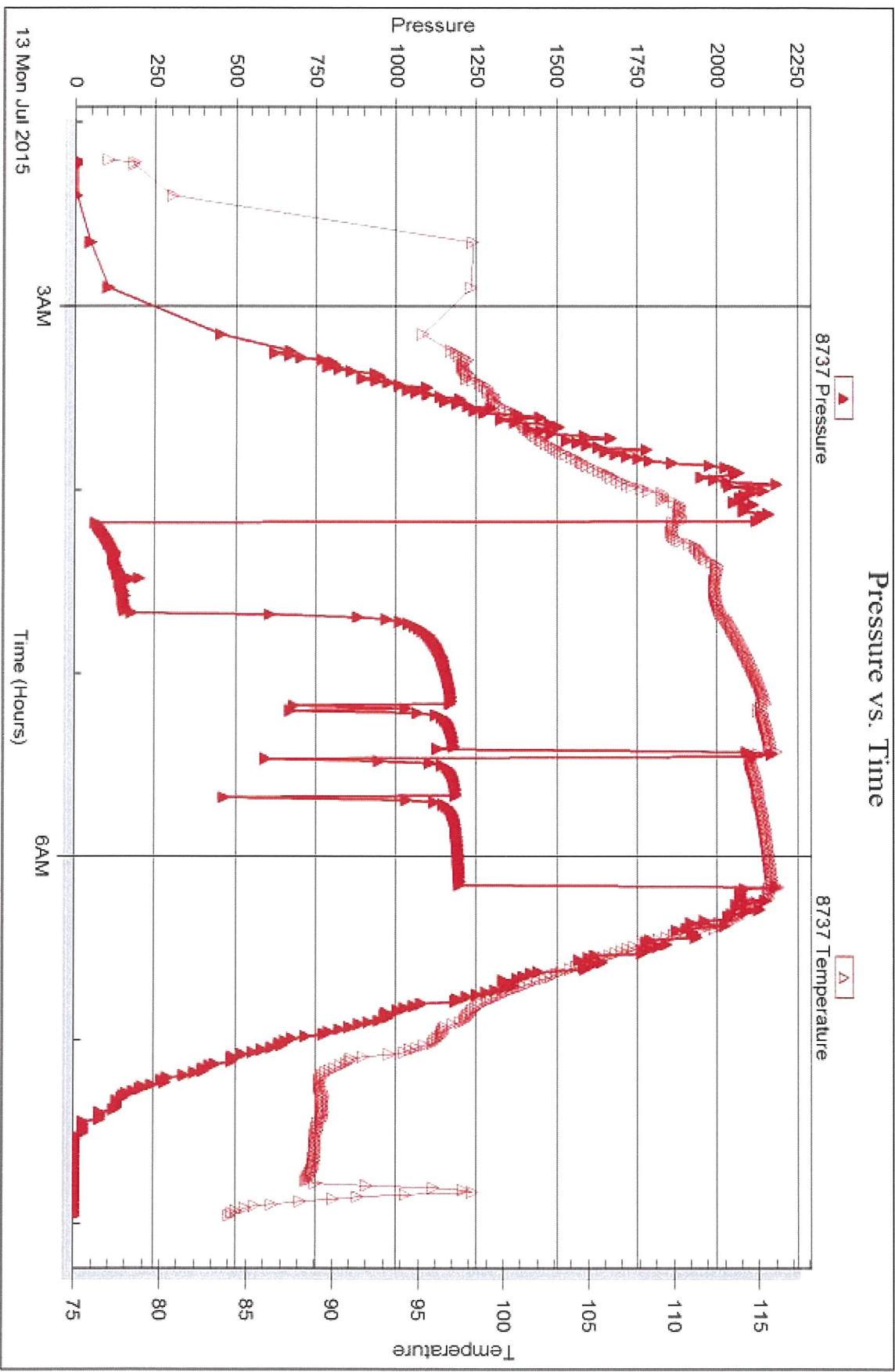
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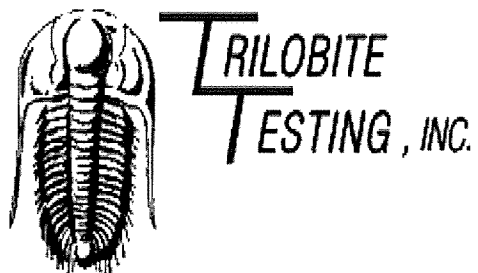
Outside

Palomino Petroleum

Picket #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date: 2015.07.13 @ 19:13:15

End Date: 2015.07.14 @ 00:51:30

Job Ticket #: 61441 DST #: 5

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2015.07.16 @ 09:33:27

Palomino Petroleum

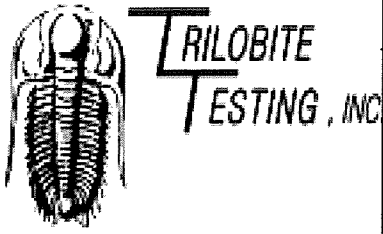
3-20s-34w Scott,KS

Pickett #1

DST # 5

Pawnee-Ft Scott

2015.07.13



DRILL STEM TEST REPORT

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61441

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2015.07.13 @ 19:13:15

GENERAL INFORMATION:

Formation: **Pawnee-Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:10:30

Time Test Ended: 00:51:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4522.00 ft (KB) To 4610.00 ft (KB) (TVD)**

Reference Elevations: 3034.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

3029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8846

Inside

Press@RunDepth: 710.98 psig @ 4525.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.13

End Date:

2015.07.14

Last Calib.: 2015.07.14

Start Time: 19:13:15

End Time:

00:51:30

Time On Btm: 2015.07.13 @ 21:10:15

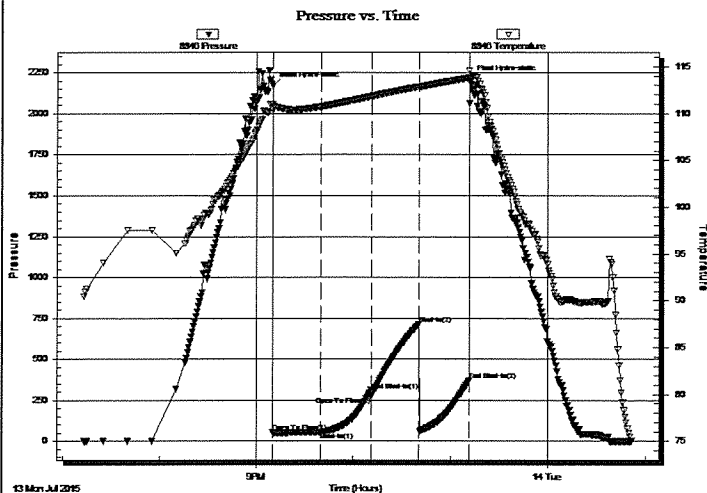
Time Off Btm: 2015.07.13 @ 23:12:15

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
0	2170.51	110.97	Initial Hydro-static
1	53.67	110.38	Open To Flow (1)
30	55.09	110.72	Shut-In(1)
61	309.74	111.83	End Shut-In(1)
61	274.03	111.82	Open To Flow (2)
90	710.98	112.86	Shut-In(2)
122	370.29	113.82	End Shut-In(2)
122	2208.90	113.79	Final Hydro-static

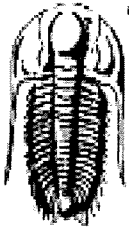
Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	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

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61441

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2015.07.13 @ 19:13:15

GENERAL INFORMATION:

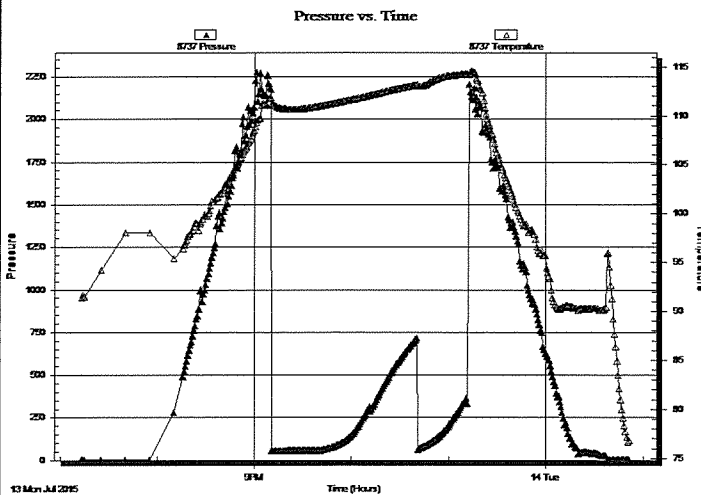
Formation: **Pawnee-Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:10:30
 Time Test Ended: 00:51:30
 Interval: **4522.00 ft (KB) To 4610.00 ft (KB) (TVD)**
 Total Depth: 4610.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3034.00 ft (KB)
 3029.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8737

Outside

Press@RunDepth: psig @ 4525.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.07.13 End Date: 2015.07.14 Last Calib.: 2015.07.14
 Start Time: 19:13:15 End Time: 00:51:45 Time On Btm:
 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

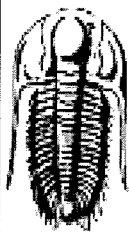
Recovery

Length (ft)	Description	Volume (tbl)
2.00	mud 100%m	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

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61441

DST#: 5

ATTN: Andrew Stenzel

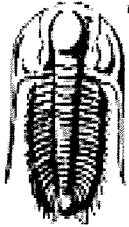
Test Start: 2015.07.13 @ 19:13:15

Tool Information

Drill Pipe:	Length: 4395.00 ft	Diameter: 3.80 inches	Volume: 61.65 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 62.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4522.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	116.00 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			4495.00	
Shut In Tool	5.00			4500.00	
Hydraulic tool	5.00			4505.00	
Jars	5.00			4510.00	
Safety Joint	3.00			4513.00	
Packer	5.00			4518.00	28.00 Bottom Of Top Packer
Packer	4.00			4522.00	
Stubb	1.00			4523.00	
Perforations	2.00			4525.00	
Recorder	0.00	8846	Inside	4525.00	
Recorder	0.00	8737	Outside	4525.00	
Change Over Sub	1.00			4526.00	
Drill Pipe	63.00			4589.00	
Change Over Sub	1.00			4590.00	
Perforations	15.00			4605.00	
Bullnose	5.00			4610.00	88.00 Bottom Packers & Anchor
Total Tool Length:	116.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

3-20s-34w Scott, KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61441

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2015.07.13 @ 19:13:15

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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3850.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	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:

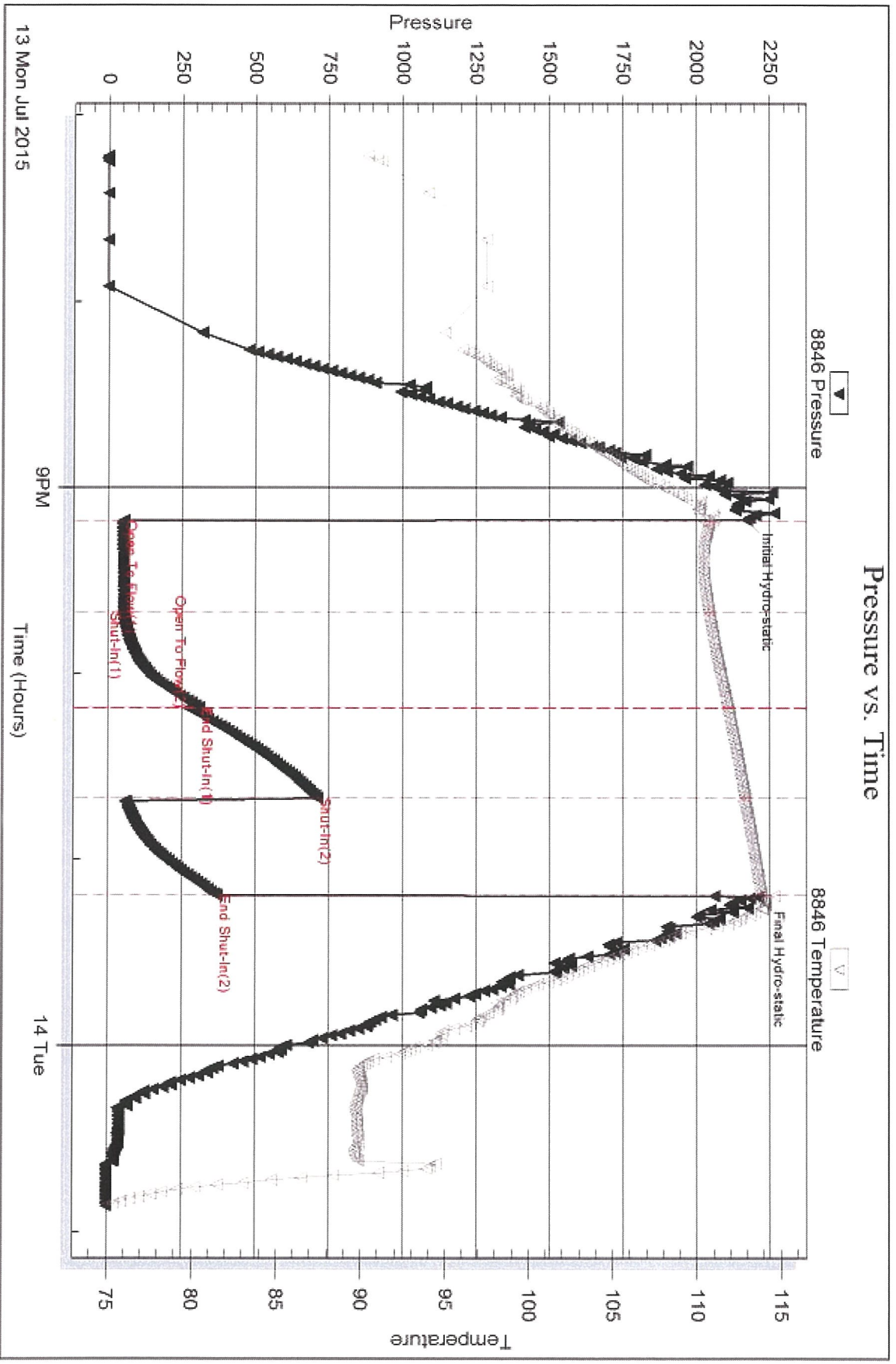
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Inside

Palominio Petroleum

Pickett #1

DST Test Number: 5



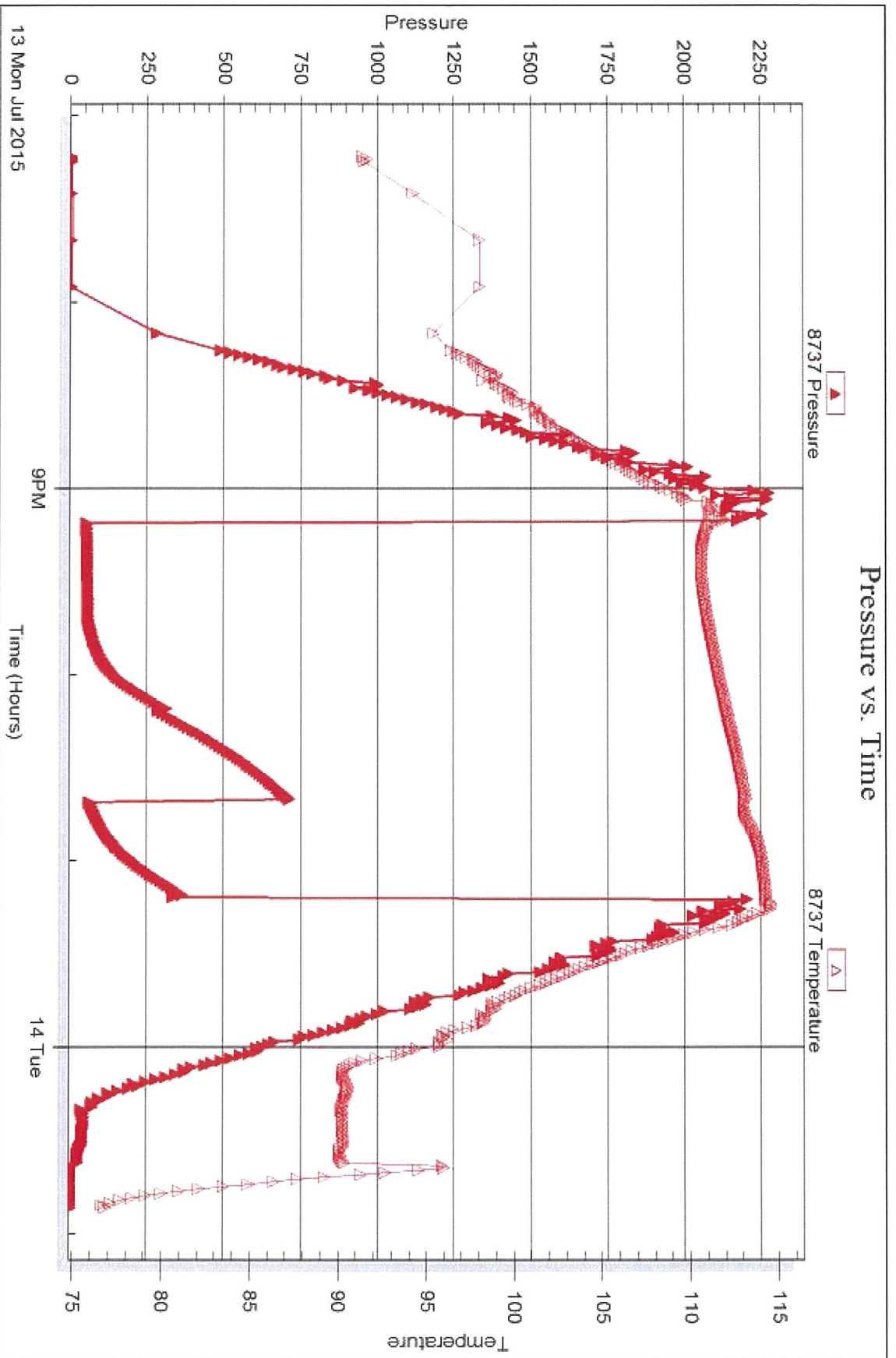
Serial #: 8737

Outside

Palomino Petroleum

Picket #1

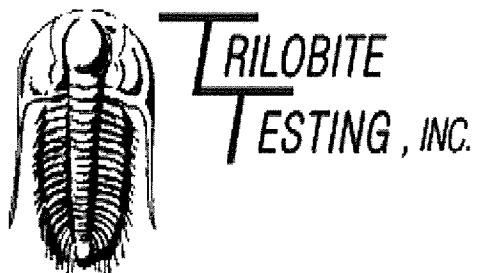
DST Test Number: 5



Triobite Testing, Inc

Ref. No: 61441

Printed: 2015.07.16 @ 09:33:28



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date: 2015.07.15 @ 19:44:15

End Date: 2015.07.16 @ 03:26:00

Job Ticket #: 61442 DST #: 6

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

Printed: 2015.07.16 @ 09:33:12

Palomino Petroleum

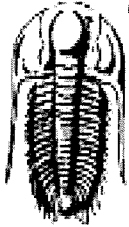
3-20s-34w Scott,KS

Pickett #1

DST # 6

Marmaton

2015.07.15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

3-20s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61442

DST#: 6

ATTN: Andrew Stenzel

Test Start: 2015.07.15 @ 19:44:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:03:00

Time Test Ended: 03:26:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4447.00 ft (KB) To 4518.00 ft (KB) (TVD)**

Reference Elevations: 3034.00 ft (KB)

Total Depth: 4518.00 ft (KB) (TVD)

3029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8846 Inside

Press@RunDepth: 212.34 psig @ 4451.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.15 End Date: 2015.07.16

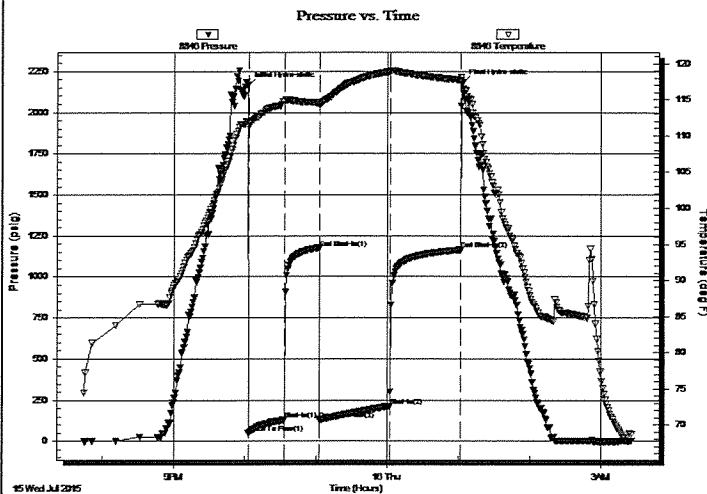
Last Calib.: 2015.07.16

Start Time: 19:44:15 End Time: 03:26:00

Time On Btm: 2015.07.15 @ 22:02:45

Time Off Btm: 2015.07.16 @ 01:03:15

TEST COMMENT: IF:Built to 9 1/2" blow
IS:No return blow
FF:BOB in 34 min.
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.16	111.96	Initial Hydro-static
1	47.56	111.14	Open To Flow (1)
31	131.74	114.81	Shut-In(1)
60	1172.16	114.57	End Shut-In(1)
61	132.38	114.18	Open To Flow (2)
120	212.34	118.90	Shut-In(2)
180	1164.44	117.73	End Shut-In(2)
181	2177.12	117.47	Final Hydro-static

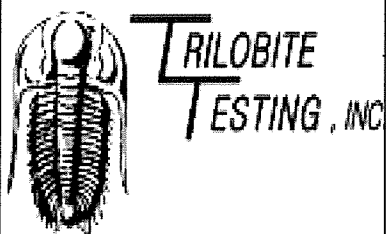
Recovery

Length (ft)	Description	Volume (bbl)
120.00	mcw 40%m 60%w	0.59
258.00	mud 100%m	3.62

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton KS 67114
ATTN: Andrew Stenzel

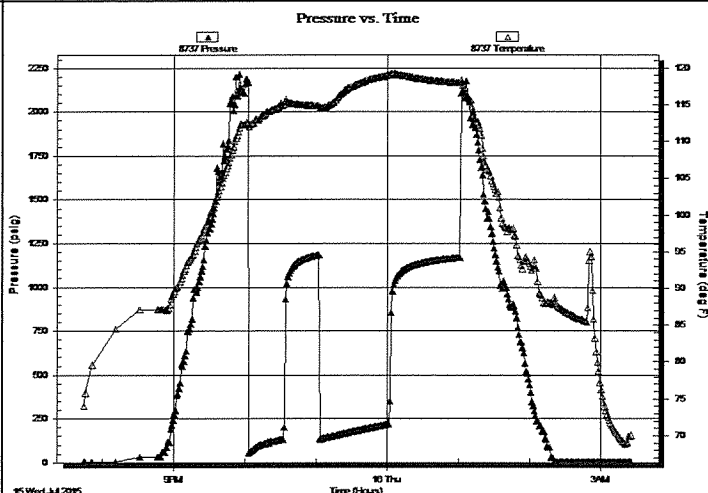
3-20s-34w Scott,KS
Pickett #1
Job Ticket: 61442 **DST#: 6**
Test Start: 2015.07.15 @ 19:44:15

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 22:03:00 Tester: Mike Roberts
Time Test Ended: 03:26:00 Unit No: 65
Interval: **4447.00 ft (KB) To 4518.00 ft (KB) (TVD)** Reference Elevations: 3034.00 ft (KB)
Total Depth: 4518.00 ft (KB) (TVD) 3029.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8737 Outside
Press@RunDepth: psig @ 4451.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.07.15 End Date: 2015.07.16 Last Calib.: 2015.07.16
Start Time: 19:44:15 End Time: 03:26:00 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Built to 9 1/2" blow
IS: No return blow
FF: BOB in 34 min.
FS: No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mcw 40%m 60%w	0.59
258.00	mud 100%m	3.62

* 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: Andrew Stenzel

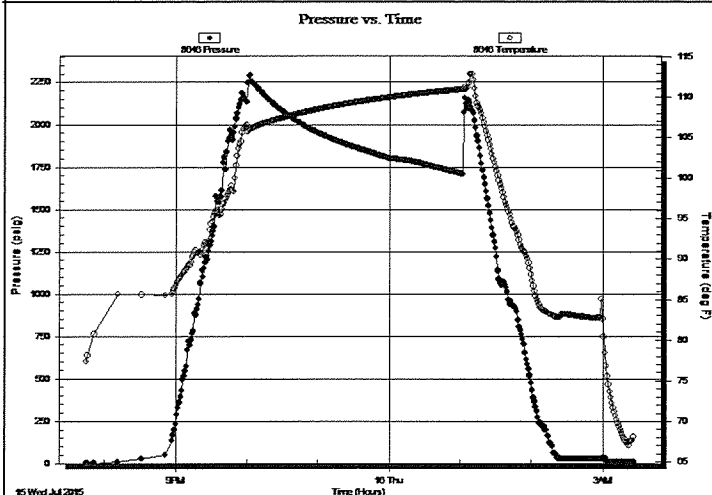
3-20s-34w Scott, KS
Pickett #1
 Job Ticket: 61442 **DST#: 6**
 Test Start: 2015.07.15 @ 19:44:15

GENERAL INFORMATION:

Formation: Marmaton Deviated: No Whipstock: ft (KB) Time Tool Opened: 22:03:00 Time Test Ended: 03:26:00 Interval: 4447.00 ft (KB) To 4518.00 ft (KB) (TVD) Total Depth: 4518.00 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: 3034.00 ft (KB) 3029.00 ft (CF) KB to GR/CF: 5.00 ft
--	---

Serial #: 8646	Below (Straddle)			
Press@RunDepth:	psig @	4531.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2015.07.15	End Date:	2015.07.16	Last Calib.: 2015.07.16
Start Time:	19:44:15	End Time:	03:26:00	Time On Btm:
				Time Off Btm:

TEST COMMENT: IF: Built to 9 1/2" blow
 IS: No return blow
 FF: BOB in 34 min.
 FS: No return blow



PRESSURE SUMMARY

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

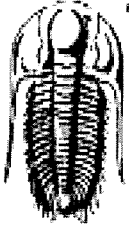
Recovery

Length (ft)	Description	Volume (bbl)
120.00	mcw 40% m 60% w	0.59
258.00	mud 100% m	3.62

* 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

3-20s-34w Scott, KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61442

DST#: 6

ATTN: Andrew Stenzel

Test Start: 2015.07.15 @ 19:44:15

Tool Information

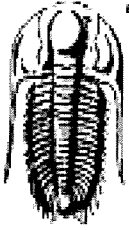
Drill Pipe:	Length: 4320.00 ft	Diameter: 3.80 inches	Volume: 60.60 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4447.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	514.00 ft			
Tool Length:	542.00 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			4420.00	
Shut In Tool	5.00			4425.00	
Hydraulic tool	5.00			4430.00	
Jars	5.00			4435.00	
Safety Joint	3.00			4438.00	
Packer	5.00			4443.00	28.00 Bottom Of Top Packer
Packer	4.00			4447.00	
Stubb	1.00			4448.00	
Perforations	2.00			4450.00	
Change Over Sub	1.00			4451.00	
Recorder	0.00	8846	Inside	4451.00	
Recorder	0.00	8737	Outside	4451.00	
Drill Pipe	32.00			4483.00	
Change Over Sub	1.00			4484.00	
Perforations	25.00			4509.00	
Blank Off Sub	1.00			4510.00	
Packer	4.00			4514.00	514.00 Tool Interval
Packer	4.00			4518.00	
Stubb	1.00			4519.00	
Perforations	11.00			4530.00	
Change Over Sub	1.00			4531.00	
Recorder	0.00	8646	Below	4531.00	
Drill Pipe	412.00	8646	Below	4943.00	
Change Over Sub	1.00			4944.00	
Perforations	12.00			4956.00	
Bullnose	5.00			4961.00	1000541.00 Bottom Packers & Anchor

Total Tool Length: 542.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

3-20s-34w Scott, KS

4924 SE 84th St
New ton KS 67114

Pickett #1

Job Ticket: 61442

DST#: 6

ATTN: Andrew Stenzel

Test Start: 2015.07.15 @ 19:44:15

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:

19000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mcw 40%m 60%w	0.590
258.00	mud 100%m	3.619

Total Length: 378.00 ft Total Volume: 4.209 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .43@ 67.2 = 19,000 ppm

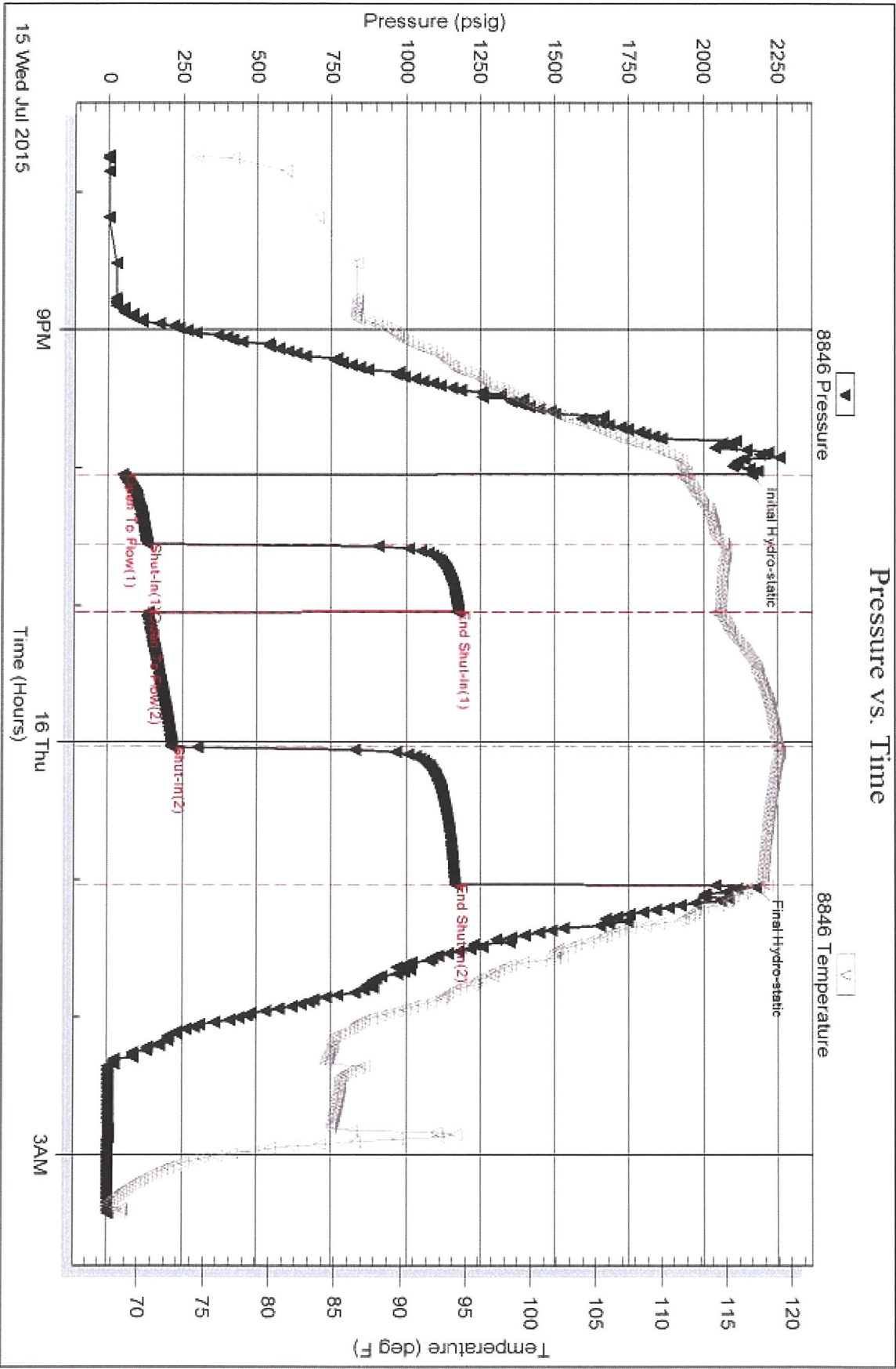
Serial #: 8846

Inside

Palomino Petroleum

Picket #1

OST Test Number: 6



Triobite Testing, Inc

Ref. No: 61442

Printed: 2015.07.16 @ 09:33:14

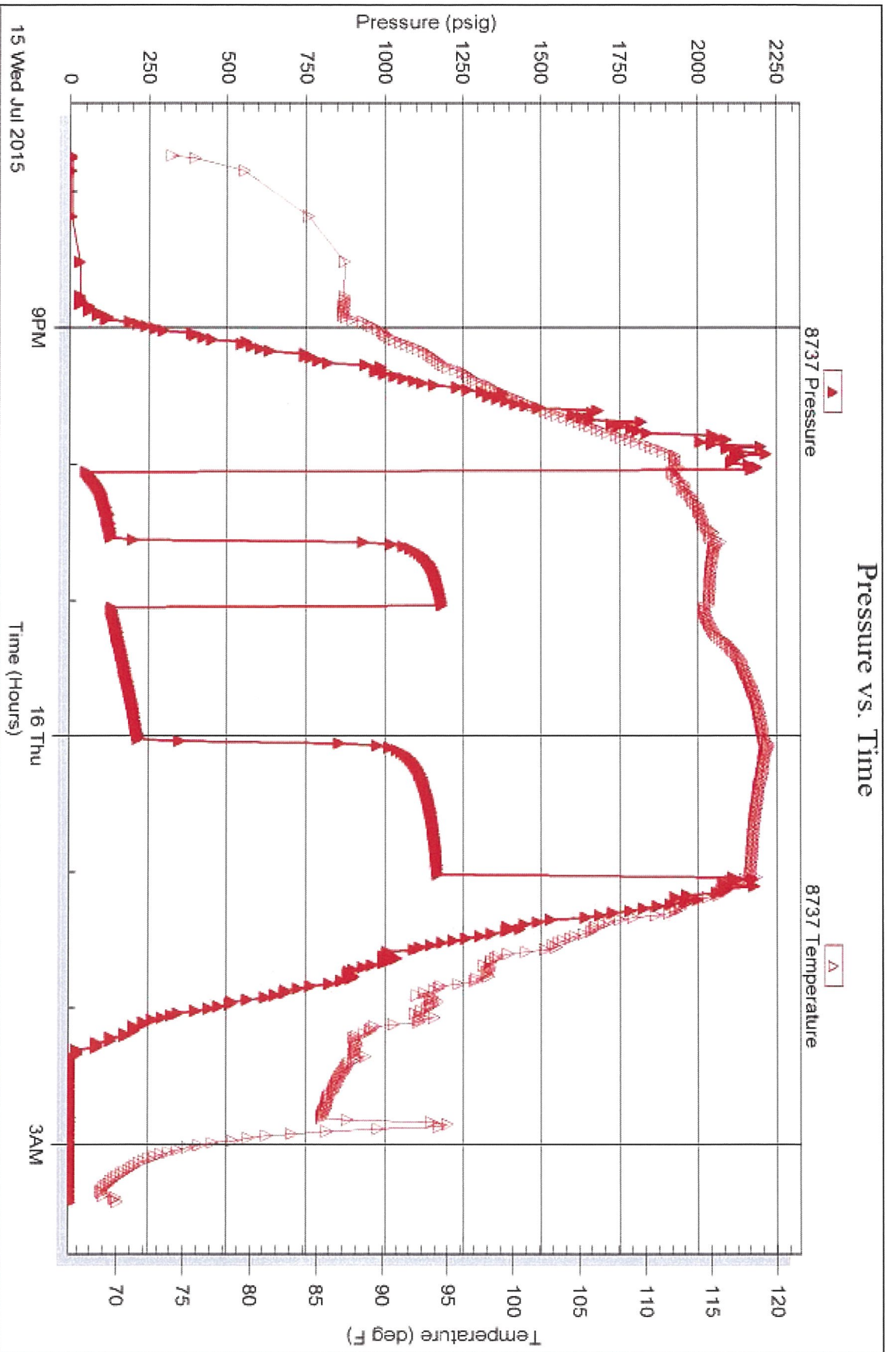
Serial #: 8737

Outside

Palomino Petroleum

Picket #1

DST Test Number: 6

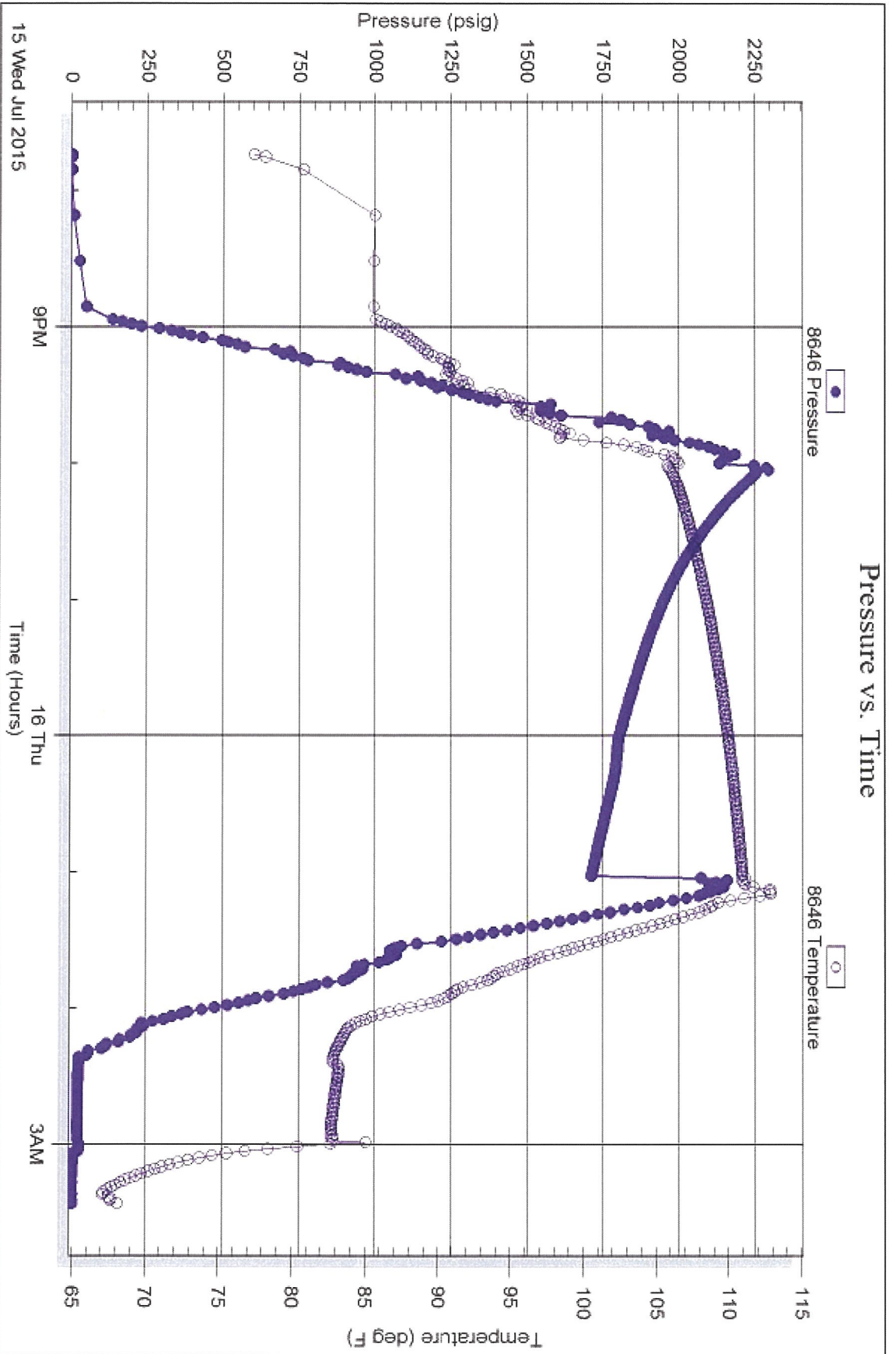


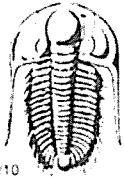
Serial #: 8646

Below (Stratton) Petroleum

Picket #1

DST Test Number: 6





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61437

Well Name & No. Pickett #1 Test No. 1 Date 7-10-15
 Company Palomino Petroleum Elevation 3034 KB 3029 GL
 Address 4924 SE 84th ST Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig NW 10
 Location: Sec. 3 Twp. 20S Rge. 34W Co. Scott State KS

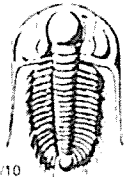
Interval Tested 4173 - 4239 Zone Tested H & I
 Anchor Length 66 Drill Pipe Run ~~4037~~ 4037 Mud Wt. 8.7
 Top Packer Depth 4168 Drill Collars Run 120 Vis 53
 Bottom Packer Depth 4173 Wt. Pipe Run 0 WL 2.6
 Total Depth 4239 Chlorides 2100 ppm System LCM ~~10#s~~ 10#s
 Blow Description IF: Built to 7 1/2" Blow
IS: No Return Blow
FF: BOB in 42 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>Free oil</u>	<u>100</u>			
Rec <u>62</u>	Feet of <u>mco</u>	<u>80</u>		<u>20</u>	
Rec <u>60</u>	Feet of <u>---</u>				
Rec <u>60</u>	Feet of <u>OCM</u>	<u>5</u>		<u>95</u>	
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 192 BHT 120 Gravity 31 API RW ~~37~~ @ 60 °F Chlorides 0 ppm
 (A) Initial Hydrostatic 1970 Test 1150.00 T-On Location 22:00
 (B) First Initial Flow 44 Jars 250.00 T-Started 23:28
 (C) First Final Flow 87 Safety Joint 75.00 T-Open 01:45
 (D) Initial Shut-In 964 Circ Sub NC T-Pulled 04:45
 (E) Second Initial Flow 110 Hourly Standby _____ T-Out 06:40
 (F) Second Final Flow 122 Mileage 44 RT = \$44.00 Comments _____
 (G) Final Shut-In 977 Sampler _____
 (H) Final Hydrostatic 1978 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 11519.00/-

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60
 Approved By Andrew Stenzel Our Representative Mike Roberts
 Sub Total 1519
 Total 1519
 MP/DST Disc't _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61438

Well Name & No. Pickett #1 Test No. 2 Date 7-11-15
 Company Palomino Petroleum Elevation 3034 KB 3029 GL
 Address 4924 SE 84th St Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW 10
 Location: Sec. 3 Twp. 20S Rge. 34W Co. SCOTT State KS

Interval Tested 4237-4278 Zone Tested J
 Anchor Length 41 Drill Pipe Run 4109 Mud Wt. 9.2
 Top Packer Depth 4232 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 4237 Wt. Pipe Run φ WL 8.7
 Total Depth 4278 Chlorides 3600 ppm System LCM Le
 Blow Description IF: BOB in 26 Min
IS: NO Return Blow
FF: BOB in 26 Min
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>216</u>	<u>MUD</u>			<u>100</u>	
<u>120</u>	<u>WCM</u>		<u>10</u>	<u>90</u>	

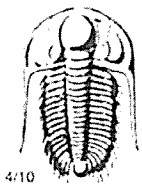
Rec Total 336 BHT 114 Gravity — API RW: 36 @ 99.8 °F Chlorides 14000 ppm

(A) Initial Hydrostatic 1982 Test \$1150.00 T-On Location 13:05
 (B) First Initial Flow 24 Jars \$250.00 T-Started 14:06
 (C) First Final Flow 114 Safety Joint \$75.00 T-Open 16:02
 (D) Initial Shut-In 1095 Circ Sub NC T-Pulled 18:02
 (E) Second Initial Flow 118 Hourly Standby _____ T-Out 19:48
 (F) Second Final Flow 172 Mileage 44 RT \$44.00 Comments _____
 (G) Final Shut-In 1113 Sampler _____
 (H) Final Hydrostatic 1987 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1519
 Accessibility _____ MP/DST Disc't _____
 Sub Total \$1519.00

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

Approved By _____ Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61439

Well Name & No. Pickett #1 Test No. 3 Date 7-12-15
 Company Dalmino Petroleum Elevation 3034 KB 3029 GL
 Address 4924 SE 84th ST Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW10
 Location: Sec. 3 Twp. 20S Rge. 34W Co. SCOTT State KS

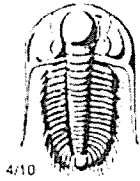
Interval Tested 4277-4342 Zone Tested K
 Anchor Length 65 Drill Pipe Run 4141 Mud Wt. 9.2
 Top Packer Depth 4272 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 4277 Wt. Pipe Run 0 WL 8.7
 Total Depth 4342 Chlorides 3600 ppm System LCM 6
 Blow Description IF: BOB in 11 Min
IS: No Return Blow
FF: BOB in 14 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>MUD</u>			<u>100</u>	
<u>186</u>	<u>WCM</u>		<u>10</u>	<u>90</u>	
<u>120</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	

Rec Total 492 BHT 116 Gravity — API RW .32 @ 85.1" F Chlorides 21000 ppm
 (A) Initial Hydrostatic 2005 Test '1150.00 T-On Location 04:15
 (B) First Initial Flow 43 Jars '250.00 T-Started 04:51
 (C) First Final Flow 196 Safety Joint '75.00 T-Open 06:58
 (D) Initial Shut-In 1134 Circ Sub NS T-Pulled 08:58
 (E) Second Initial Flow 187 Hourly Standby _____ T-Out 10:44
 (F) Second Final Flow 289 Mileage 44RT R44.00 Comments _____
 (G) Final Shut-In 1131 Sampler _____
 (H) Final Hydrostatic 2007 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1519
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1519.00/-

Approved By _____ Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61440

Well Name & No. Pickett #1 Test No. 4 Date 7-13-15
 Company Palomino Petroleum Elevation 3034 KB 3029 GL
 Address 4924 SE 89th ST Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig NW 10
 Location: Sec. 3 Twp. 20S Rge. 34W Co. SCOTT State KS

Interval Tested 4416-4527 Zone Tested Marmaton
 Anchor Length 111 Drill Pipe Run 4300 Mud Wt. 8.8
 Top Packer Depth 4411 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 4416 Wt. Pipe Run Ø WL 10.0
 Total Depth 4527 Chlorides 5100 ppm System LCM 8
 Blow Description IF: Built to 9" Blow

FS: No Return Blow
FF: No Blow -- Flushed Tool -- Weak Surface Blow died in Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>274</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 274 BHT 115 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2114</u>	<input checked="" type="checkbox"/> Test <u>\$1150.00</u>	T-On Location <u>01:25</u>
(B) First Initial Flow <u>58</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00</u>	T-Started <u>02:12</u>
(C) First Final Flow <u>157</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00</u>	T-Open <u>04:10</u>
(D) Initial Shut-In <u>1167</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>06:10</u>
(E) Second Initial Flow <u>547</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>07:57</u>
(F) Second Final Flow <u>1181</u>	<input checked="" type="checkbox"/> Mileage <u>44 RT \$44.00</u>	Comments
(G) Final Shut-In <u>1192</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2120</u>	<input type="checkbox"/> Straddle	

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 \$1519.00

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1519
 MP/DST Disc't

Approved By [Signature]

Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 61441

Well Name & No. Pickoff #1 Test No. 5 Date 7-13-15
 Company Palomino Petroleum Elevation 3034 KB 3029 GL
 Address 4924 SE 84th St Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW10
 Location: Sec. 3 Twp. 20S Rge. 34W Co. SCOTT State KS

Interval Tested 4522-4610 Zone Tested Pawnee - Ft. Scott
 Anchor Length 88 Drill Pipe Run 4395 Mud Wt. 8.9
 Top Packer Depth 4517 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 4522 Wt. Pipe Run Ø WL 10.0
 Total Depth 4610 Chlorides 3850 ppm System LCM Le
 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</u>			<u>100</u>	

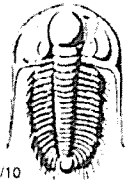
Rec Total 2 BHT 117 Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2170 Test 950 1150.00 T-On Location 18:30
 (B) First Initial Flow 53 Jars 250.00 T-Started 19:13
 (C) First Final Flow 55 Safety Joint 75.00 T-Open 21:10
 (D) Initial Shut-In 309 Circ Sub NC T-Pulled 23:10
 (E) Second Initial Flow 274 Hourly Standby T-Out 00:51
 (F) Second Final Flow 710 Mileage 44RT = 44.00 Comments
 (G) Final Shut-In 370 Sampler
 (H) Final Hydrostatic 2208 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1319
 Accessibility MP/DST Disc't

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total \$159.00/-

Approved By Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61442

Well Name & No. Pickett #1 Test No. 6 Date 7-15-15
 Company Palomino Petroleum Elevation 3034 KB 3029 GL
 Address 4924 SE 84th ST Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW 10
 Location: Sec. 3 Twp. 20S Rge. 34W Co. SCOTT State KS

Interval Tested 4447-4518 Zone Tested Marathon
 Anchor Length 71 Drill Pipe Run 4320 Mud Wt. 9.0
 Top Packer Depth 4442 Drill Collars Run 120 Vis 51
 Bottom Packer Depth 4447 Wt. Pipe Run 0 WL 9.6
 Total Depth 4968 Chlorides 4800 ppm System LCM 4

Blow Description IF: 9 1/2" Blow
FS: No Return Blow
FF: BOB in 34 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>258</u>	<u>MUD</u>			<u>100</u>	
<u>120</u>	<u>MCW</u>			<u>60</u>	<u>40</u>

Rec Total 378 BHT 118 Gravity — API RW .43 @ 67.4 F Chlorides 19000 ppm

(A) Initial Hydrostatic <u>2160</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>18:45</u>
(B) First Initial Flow <u>47</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>19:44</u>
(C) First Final Flow <u>131</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>22:02</u>
(D) Initial Shut-In <u>1172</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>01:02</u>
(E) Second Initial Flow <u>132</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:26</u>
(F) Second Final Flow <u>212</u>	<input checked="" type="checkbox"/> Mileage <u>44 RT</u> <u>44.00</u>	Comments
(G) Final Shut-In <u>1164</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2177</u>	<input checked="" type="checkbox"/> Straddle <u>600.00</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Extra Packer <u>100</u> <u>200.00</u>	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>2219</u>
	<input type="checkbox"/> Accessibility <u>2219</u>	MP/DST Disc't
	Sub Total <u>112319.00</u>	

Approved By _____ Our Representative Mike Roberts

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