Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1260409

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 # 30742
Name: Palomino Petroleum, Inc.
Address 1: 4924 SE 84TH ST
Address 2:
City: NEWTON State: KS Zip: 67114 + 8827
Contact Person: K. Robert Watchous
Phone: (316) 799-1000
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Adam Eldani
Purchaser: None

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 #:

07/08/2015	07/17/2015	07/18/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-023-21429-00-00
Spot Description:
NE - SW - SE - NE Sec. 28 Twp. 5 S. R. 37 ☐ East ☑ West
2133 Feet from ☑ North / ☐ South Line of Section
830 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW

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

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Cheyenne
Lease Name: Junior Magley Trust Well #: 1
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 3342 Kelly Bushing: 3350
Total Vertical Depth: 5020 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 307 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: 2500 ppm Fluid volume: 800 bbls
Dewatering method used: Evaporated

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:** NAOMI JAMES **Date:** 08/17/2015

1260409

Operator Name: Palomino Petroleum, Inc. Lease Name: Junior Magley Trust Well #: 1

Sec. 28 Twp. 5 S. R. 37 ☐ East ☑ West County: Cheyenne

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.250	8.6250	23	307	Common	225	3% cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Junior Magley Trust 1
Doc ID	1260409

All Electric Logs Run

Dual Induction
Micro Resistivity
Compensated Density Neutron
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Junior Magley Trust 1
Doc ID	1260409

Tops

Name	Top	Datum
Heebner	4196	(-839)
Lansing	4252	(-895)
Muncie Creek	4272	(-1015)
Stark	4452	(-1095)
BKC	4510	(-1153)
Marmaton	4522	(-1165)
Pawnee	4637	(-1280)
Ft. Scott	4662	(-1305)
Cherokee	4688	(-1331)
Miss.	4943	(-1586)
LTD	5013	(-1656)

CONSOLIDATED
Oil Well Services, LLC

REMIT TO

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

RECEIVED
JUL 13 2015

MAIN OFFICE

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

Invoice

Invoice# 804891

Invoice Date: 07/09/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET
NEWTON KS 67114-8827
USA

JUNIOR MAGEY TRUST

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	974.7500	33.000	653.08
CC5871	Surface Blend II, 2% Gel/3% CaCl	225.000	23.0000	33.000	3,467.25

Subtotal	8,407.25
Discounted Amount	2,774.39
SubTotal After Discount	5,632.86

Amount Due 8,821.25 If paid after 08/08/15

Tax:	277.38
Total:	5,910.24

3448
33609

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 47981
LOCATION Oakley Ks
FOREMAN Cory Davis / Kelly G

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

FIELD TICKET & TREATMENT REPORT
CEMENT

INVOICE #804891

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/8/15	6285	Junior Magey Trust #	28	5	37	Cheyenne

CUSTOMER Palomino

MAILING ADDRESS

CITY | STATE | ZIP CODE

Brewster
N - to wire
W to RD 34
N to RD 0
2 west to 32
S into

TRUCK #	DRIVER	TRUCK #	DRIVER
731	Jeremy R		
693	Rob S		
522			
640			

JOB TYPE Surface HOLE SIZE 12 1/2 HOLE DEPTH 307 CASING SIZE & WEIGHT 8 5/8 23#

CASING DEPTH 307 DRILL PIPE TUBING OTHER

SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING

DISPLACEMENT 18.2 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting rig upon WW 2 Run Casing - Break circulation with rig pump Hook up to pump truck mix 225 sks Com 3% cc 2% gel Wash up + Displace 18.2 BBL water shut in rig down

Cement Did Circ.

Aprox to Pit 5 BBL

Thank Cory D. + Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0451	1	PUMP CHARGE	1,900.00	1,900.00
CE 0002	50	MILEAGE	7.15	351.50
CE 0710	11.14	Cement Delivery Charge	1.75	974.75
CC 5811	225	Surface Blend 2 2% gel 3% CaCl	23.00	5,175.00
			sub total	8407.25
			33% less	2774.39
			sub total	5632.86
			SALES TAX	277.38
			ESTIMATED TOTAL	5910.24

Ravin 3737

AUTHORIZTION [signature] TITLE Tool pusher DATE 7-8-15

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 2 5 2015

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

Invoice

Invoice# 805023

Invoice Date: 07/22/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET
NEWTON KS 67114-8827
USA

JUNIOR MAGLEY TRUST #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	903.0000	30.000	632.10
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.0000	30.000	2,688.00
CC6075	Celloflake	60.000	3.0000	30.000	126.00
CP8228	8 5/8" Wooden Plug	1.000	165.0000	30.000	115.50

Subtotal	6,945.50
Discounted Amount	2,083.65
SubTotal After Discount	4,861.85

Amount Due 7,301.23 If paid after 08/21/15

Tax:	249.01
Total:	5,110.86

3545
3463

CONSOLIDATED
Oil Well Services, LLC

Invoice #805023

TICKET NUMBER 46624
LOCATION Oakley Ks
FOREMAN Walt Dinkel

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-17-15	6285	Junior Magley Trust #1	28	5S	37W	Cheyenne Ks

CUSTOMER: Palomino Petroleum
MAILING ADDRESS:
CITY / STATE / ZIP CODE:

Brewster North to C.L. 4 West to Rd 34 3N to Rd D 2 West to 32 1S

TRUCK #	DRIVER	TRUCK #	DRIVER
731	Jeramy B.	3.5hr	
693	Bill Slopper	3.5hr	
697			

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 5020' CASING SIZE & WEIGHT
CASING DEPTH DRILL PIPE 4½ XH-3110' TUBING OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

REMARKS: Rig up on Location on WW #12, Have Safety Meeting, Plug as ordered

50 SKS @ 3110'
100 SKS @ 2150'
50 SKS @ 360'
10 SKS @ 40'
30 SKS in R.H.

Thank You
Walt crew

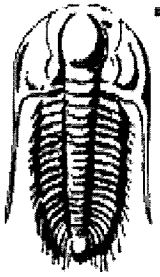
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
C00450	1	PUMP CHARGE	1,500.00	1,500.00
C00002	50	MILEAGE	7.15	357.50
C00710	10.32	Ton Mileage Charge	1.75	903.00
CC5829	240 SKS	Lite Weight Blend V	16.00	3840.00
CC6075	60#	Flow Seal	3.00	180.00
CP8228	1	8 5/8 Wooden Plug	165.00	165.00
				6,945.50
			30% Disc	-2,083.65
				4,861.85
			SALES TAX	249.01
			ESTIMATED TOTAL	5110.86

5160

Ravin 3737

AUTHORIZTION [signature] TITLE Tool pusher 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

Prepared For: **Palomino Petroleum**

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

28-5-37w Cheyenne,KS

Junior Magley Trust #1

Start Date: 2015.07.13 @ 02:20:00

End Date: 2015.07.13 @ 09:11:30

Job Ticket #: 53442 DST #: 1

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

Printed: 2015.07.20 @ 11:47:17

DRILL STEM TEST REPORT

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53442 **DST#: 1**

Test Start: 2015.07.13 @ 02:20:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:19:40
Time Test Ended: 09:11:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82

Interval: 4202.00 ft (KB) To 4314.00 ft (KB) (TVD)
Total Depth: 4314.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

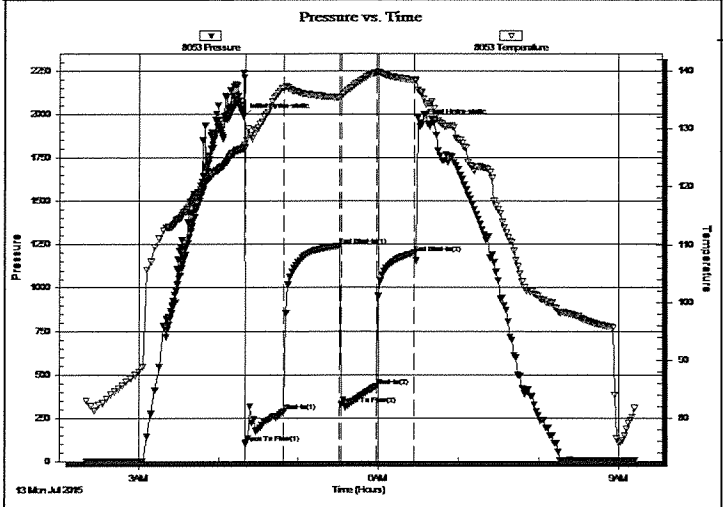
Reference Elevations: 3357.00 ft (KB)
3349.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8653 **Outside**

Press@RunDepth: 432.77 psig @ 4203.00 ft (KB)
Start Date: 2015.07.13 End Date: 2015.07.13
Start Time: 02:21:00 End Time: 09:11:30

Capacity: 8000.00 psig
Last Calib.: 2015.07.13
Time On Btm: 2015.07.13 @ 04:18:10
Time Off Btm: 2015.07.13 @ 06:31:30

TEST COMMENT: 30 - IF- BoB in 7 min.
30 - ISI- No Return
30 - FF- BoB in 8 min.
30 - FSI- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.13	126.62	Initial Hydro-static
2	102.35	126.71	Open To Flow (1)
31	286.22	137.08	Shut-In(1)
73	1241.46	135.39	End Shut-In(1)
75	327.43	135.60	Open To Flow (2)
101	432.77	139.70	Shut-In(2)
129	1199.76	138.45	End Shut-In(2)
134	1951.47	136.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	MW 10M 90W	1.48
252.00	MW 20M 80W	3.53
189.00	MW 40M 60W	2.65
252.00	WM 40W 60M	3.53
151.00	Mud 100M	2.12
0.00	Show of oil spots in tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53442 **DST#: 1**

Test Start: 2015.07.13 @ 02:20:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:19:40
Time Test Ended: 09:11:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82

Interval: 4202.00 ft (KB) To 4314.00 ft (KB) (TVD)
Total Depth: 4314.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

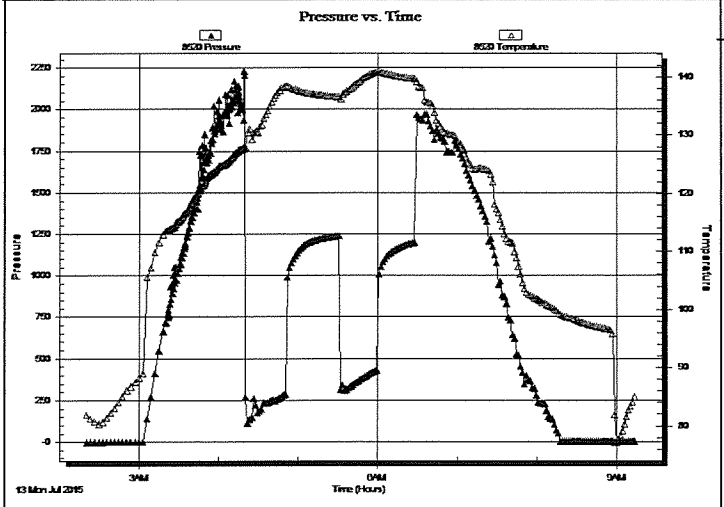
Reference Elevations: 3357.00 ft (KB)
3349.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8520 **Inside**

Press@RunDepth: psig @ 4203.00 ft (KB)
Start Date: 2015.07.13 End Date: 2015.07.13
Start Time: 02:21:00 End Time: 09:13:00

Capacity: 8000.00 psig
Last Calib.: 2015.07.13
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF- BoB in 7 min.
30 - ISI- No Return
30 - FF- BoB in 8 min.
30 - FSI- No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
183.00	MW 10M 90W	1.48
252.00	MW 20M 80W	3.53
189.00	MW 40M 60W	2.65
252.00	WM 40W 60M	3.53
151.00	Mud 100M	2.12
0.00	Show of oil spots in tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53442 **DST#: 1**

Test Start: 2015.07.13 @ 02:20:00

Tool Information

Drill Pipe:	Length:	4075.00 ft	Diameter:	3.80 inches	Volume:	57.16 bbl	Tool Weight:		2500.00 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:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	57.75 bbl	Tool Chased		ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4202.00 ft						Final	74000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		112.00 ft							
Tool Length:		140.00 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			4175.00		
Shut In Tool	5.00			4180.00		
Hydraulic tool	5.00			4185.00		
Jars	5.00			4190.00		
Safety Joint	3.00			4193.00		
Packer	5.00			4198.00	28.00	Bottom Of Top Packer
Packer	4.00			4202.00		
Packer - Shale	0.00			4202.00		
Stubb	1.00			4203.00		
Recorder	0.00	8653	Outside	4203.00		
Recorder	0.00	8520	Inside	4203.00		
Perforations	10.00			4213.00		
Change Over Sub	1.00			4214.00		
Drill Pipe	94.00			4308.00		
Change Over Sub	1.00			4309.00		
Bullnose	5.00			4314.00	112.00	Bottom Packers & Anchor
Total Tool Length:	**140.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53442 **DST#: 1**

Test Start: 2015.07.13 @ 02:20:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	39000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	MW 10M 90W	1.483
252.00	MW 20M 80W	3.535
189.00	MW 40M 60W	2.651
252.00	WM 40W 60M	3.535
151.00	Mud 100M	2.118
0.00	Show of oil spots in tool	0.000

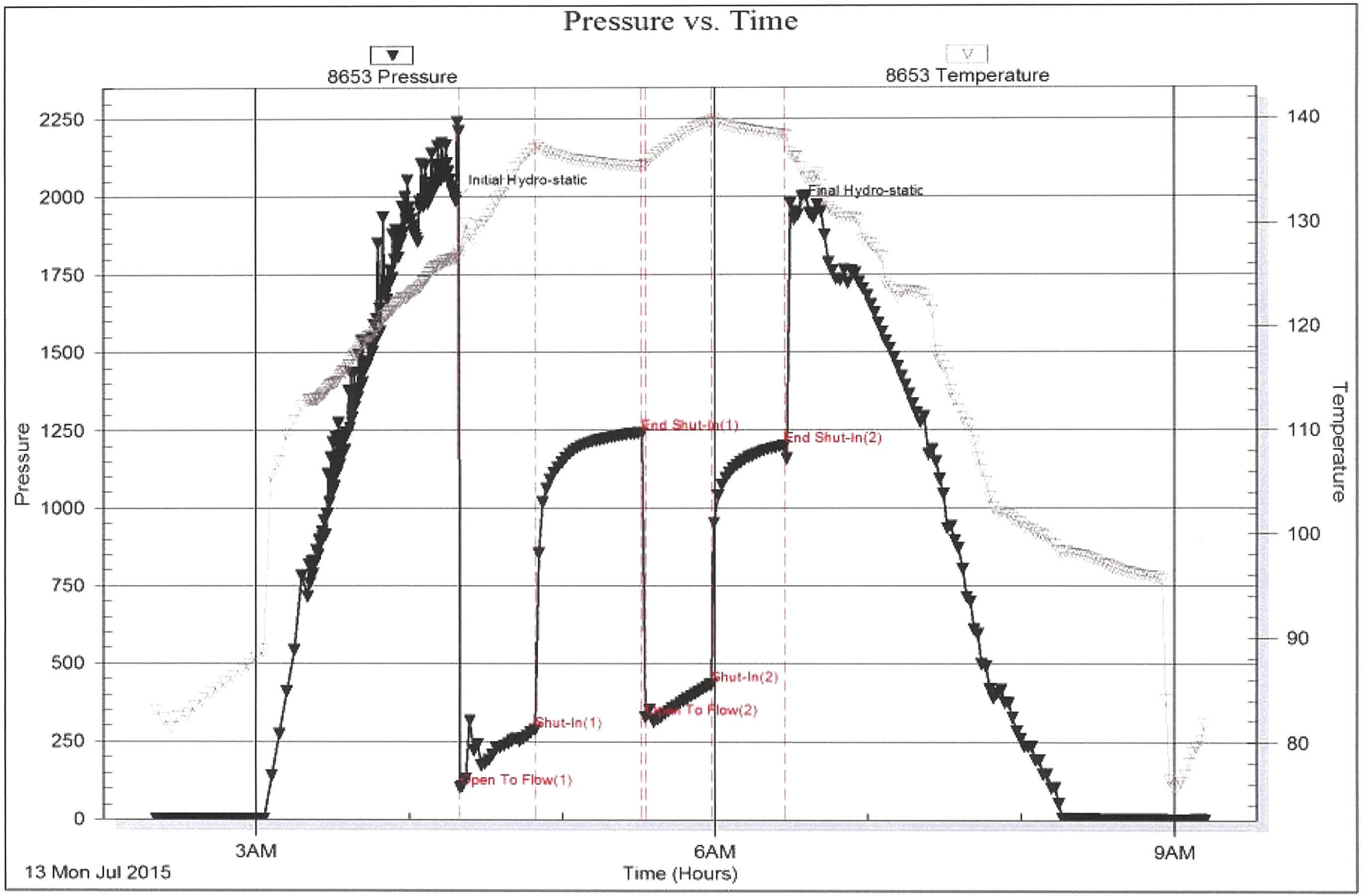
Total Length: 1027.00 ft Total Volume: 13.322 bbl

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

Laboratory Name: Laboratory Location:

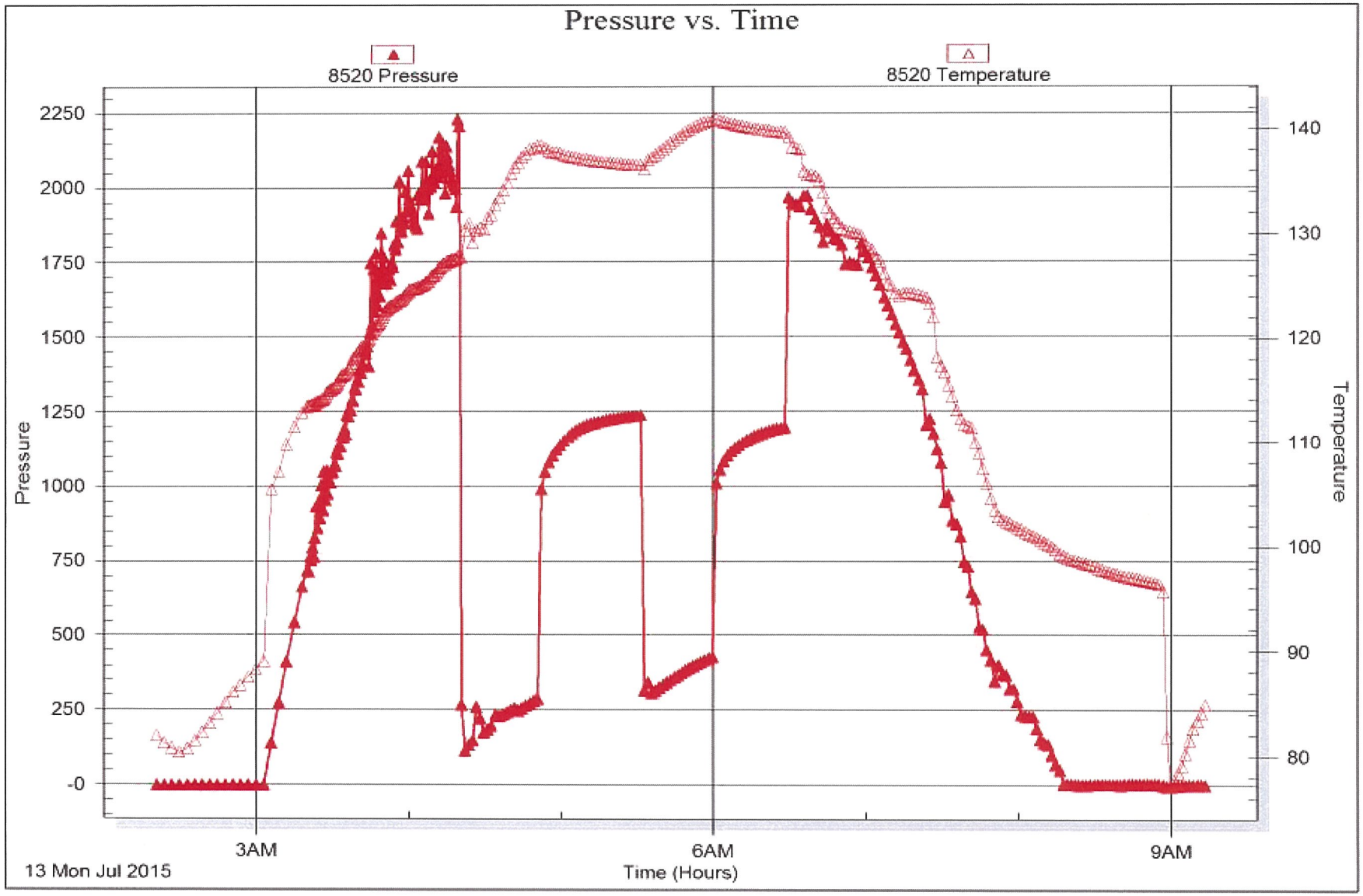
Recovery Comments: RW .19 @ 70 deg = 39000ppm

Serial #: 8653 **Outside** Palomino Petroleum 28-5-37w Cheyenne,KS DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53442 Printed: 2015.07.20 @ 11:47:18

Serial #: 8520 **Inside** Palomino Petroleum 28-5-37w Cheyenne,KS DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53442 Printed: 2015.07.20 @ 11:47:19

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

28-5-37w Cheyenne,KS

Junior Magley Trust #1

Start Date: 2015.07.14 @ 04:20:00

End Date: 2015.07.14 @ 11:22:08

Job Ticket #: 53443 DST #: 2

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

Printed: 2015.07.20 @ 11:46:53

DRILL STEM TEST REPORT

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53443 **DST#: 2**

Test Start: 2015.07.14 @ 04:20:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:31:22
Time Test Ended: 11:22:08

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82

Interval: 4343.00 ft (KB) To 4451.00 ft (KB) (TVD)
Total Depth: 4451.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

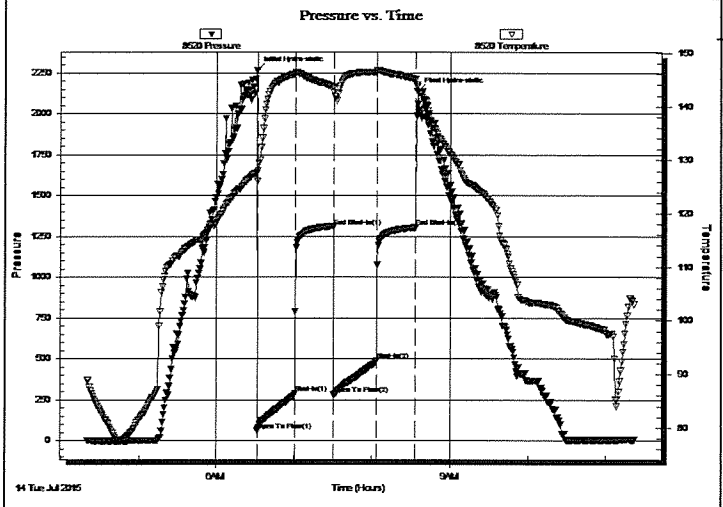
Reference Elevations: 3357.00 ft (KB)
3349.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8520 **Inside**

Press@RunDepth: 487.87 psig @ 4344.00 ft (KB)
Start Date: 2015.07.14 End Date: 2015.07.14
Start Time: 04:20:01 End Time: 11:22:08

Capacity: 8000.00 psig
Last Calib.: 2015.07.14
Time On Btm: 2015.07.14 @ 06:31:15
Time Off Btm: 2015.07.14 @ 08:34:19

TEST COMMENT: 30 - IF- BoB in 7 Min.
30 - ISI- No Return
30 - FF- BoB in 8 Min.
30 - FSI- No Reurn



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.43	127.68	Initial Hydro-static
1	57.82	126.17	Open To Flow (1)
30	289.29	146.07	Shut-In(1)
60	1310.19	143.60	End Shut-In(1)
60	281.76	142.59	Open To Flow (2)
93	487.87	146.48	Shut-In(2)
123	1304.63	145.08	End Shut-In(2)
124	2136.69	143.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud (Heay)	0.02
682.00	MW 5M 95W	8.53
189.00	MW 20M 80W	2.65
156.00	MW 40M 60W	2.19
0.00	Show of oil sopts in tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53443 **DST#: 2**

Test Start: 2015.07.14 @ 04:20:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:31:22
Time Test Ended: 11:22:08

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82

Interval: 4343.00 ft (KB) To 4451.00 ft (KB) (TVD)
Total Depth: 4451.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

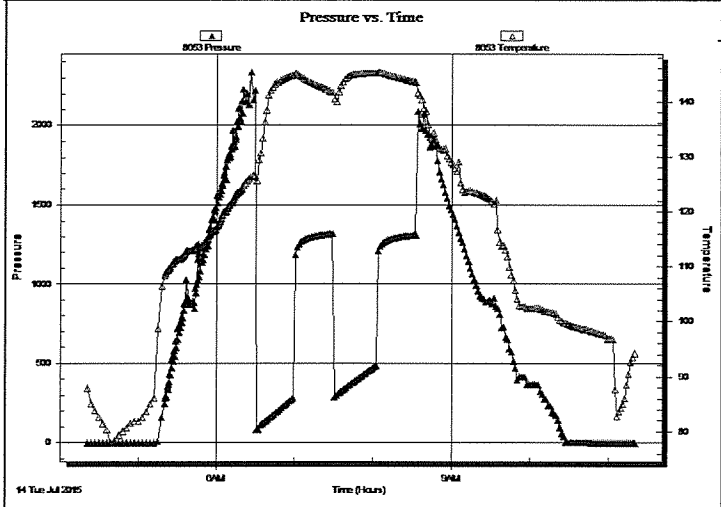
Reference Elevations: 3357.00 ft (KB)
3349.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8653 **Outside**

Press@RunDepth: psig @ 4344.00 ft (KB)
Start Date: 2015.07.14 End Date: 2015.07.14
Start Time: 04:21:00 End Time: 11:20:30

Capacity: 8000.00 psig
Last Calib.: 2015.07.14
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF- BoB in 7 Min.
30 - ISI- No Return
30 - FF- BoB in 8 Min.
30 - FSI- No Reurn



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud (Heay)	0.02
682.00	MW 5M 95W	8.53
189.00	MW 20M 80W	2.65
156.00	MW 40M 60W	2.19
0.00	Show of oil sopts in tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53443 **DST#: 2**

Test Start: 2015.07.14 @ 04:20:00

Tool Information

Drill Pipe:	Length:	4201.00 ft	Diameter:	3.80 inches	Volume:	58.93 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	
					Total Volume:	59.52 bbl	

Drill Pipe Above KB:	5.00 ft
Depth to Top Packer:	4343.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	108.00 ft
Tool Length:	136.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	80000.00 lb
Tool Chased	ft
String Weight: Initial	60000.00 lb
Final	75000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4316.00		
Shut In Tool	5.00			4321.00		
Hydraulic tool	5.00			4326.00		
Jars	5.00			4331.00		
Safety Joint	3.00			4334.00		
Packer	5.00			4339.00	28.00	Bottom Of Top Packer
Packer	4.00			4343.00		
Packer - Shale	0.00			4343.00		
Stubb	1.00			4344.00		
Recorder	0.00	8653	Outside	4344.00		
Recorder	0.00	8520	Inside	4344.00		
Perforations	6.00			4350.00		
Change Over Sub	1.00			4351.00		
Drill Pipe	94.00			4445.00		
Change Over Sub	1.00			4446.00		
Bullnose	5.00			4451.00	108.00	Bottom Packers & Anchor
Total Tool Length:	**136.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53443 **DST#: 2**

Test Start: 2015.07.14 @ 04:20:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	40000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud (Heay)	0.025
682.00	MW 5M 95W	8.528
189.00	MW 20M 80W	2.651
156.00	MW 40M 60W	2.188
0.00	Show of oil sopts in tool	0.000

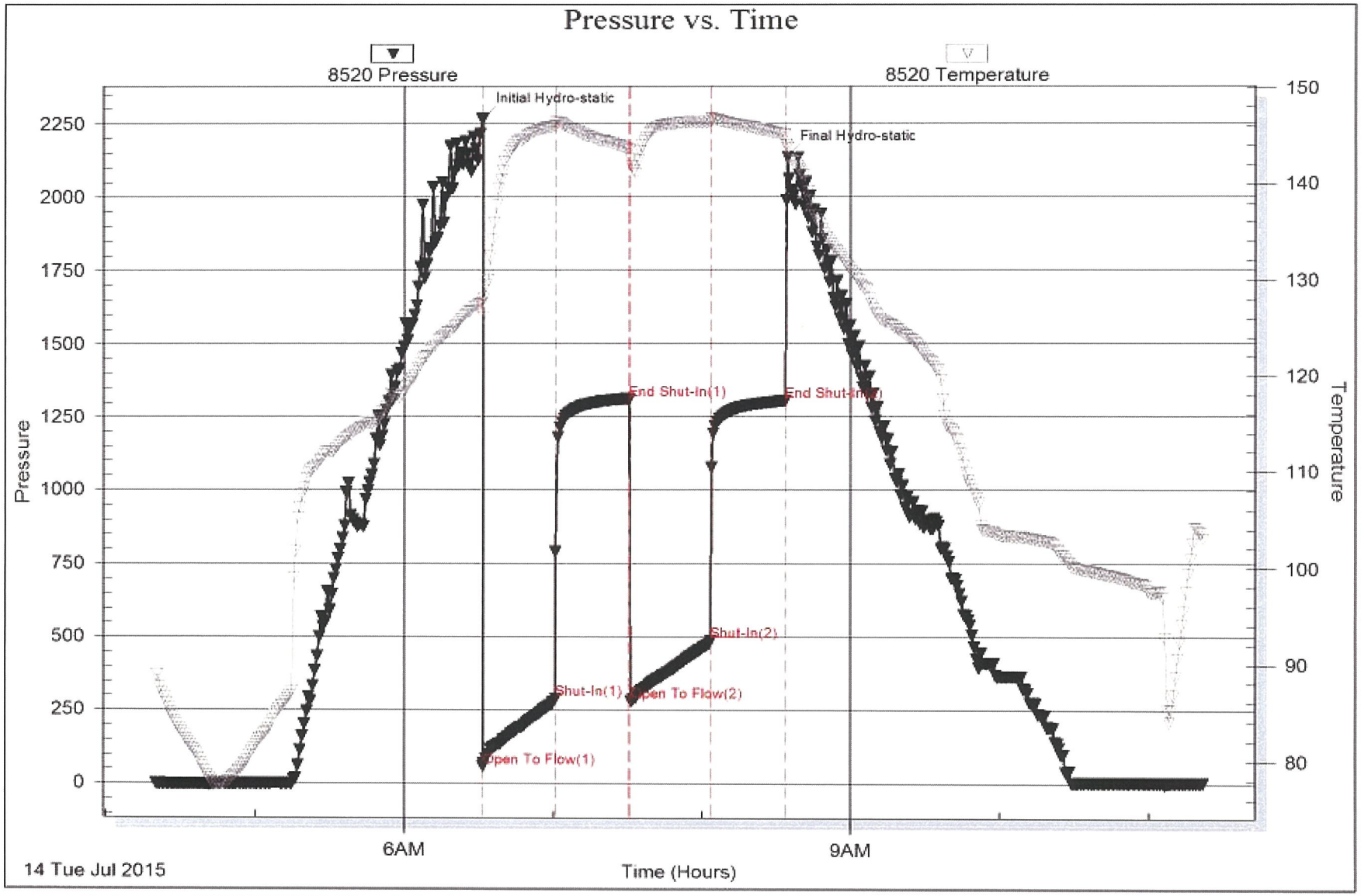
Total Length: 1032.00 ft Total Volume: 13.392 bbl

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

Laboratory Name: Laboratory Location:

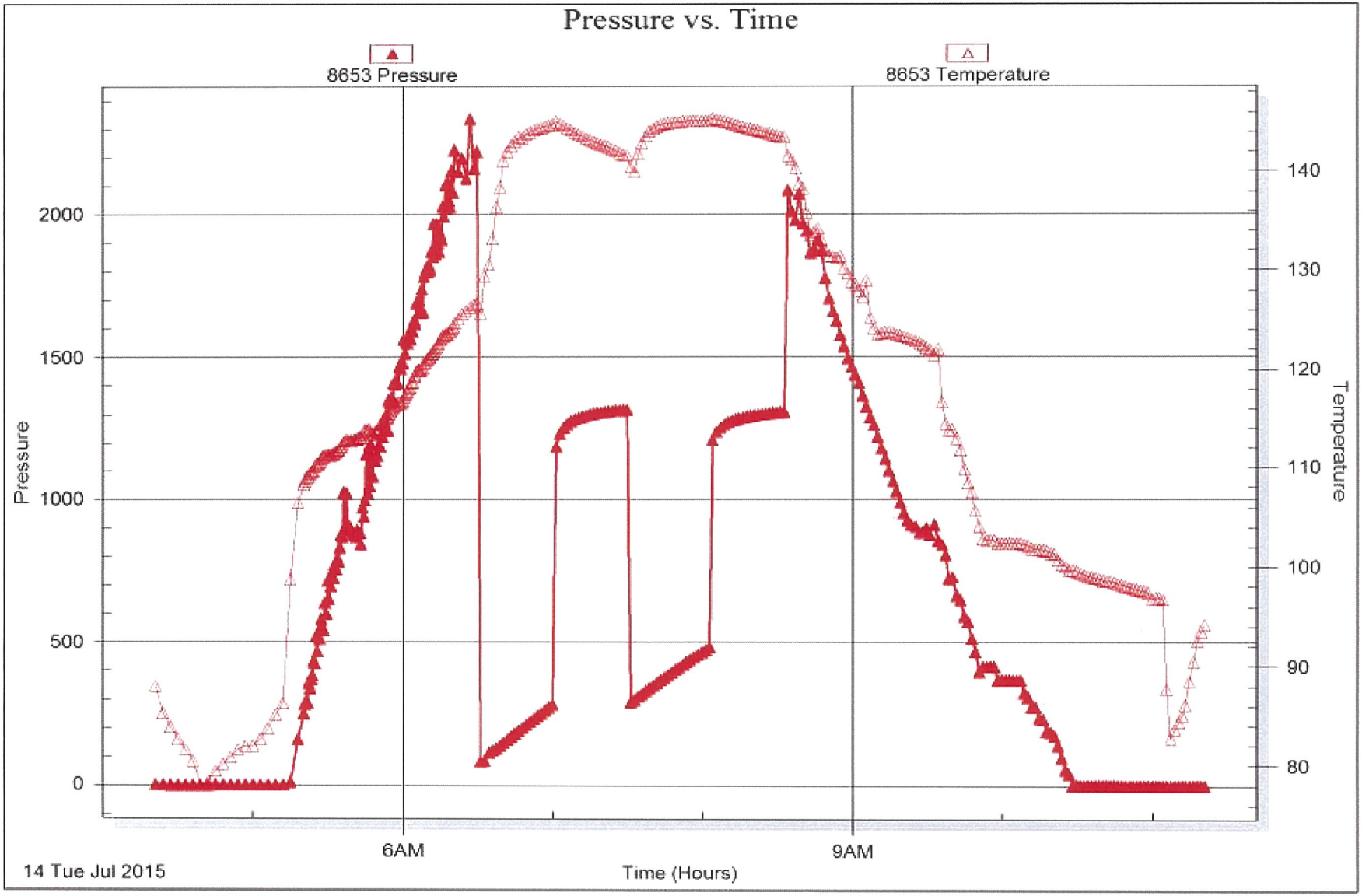
Recovery Comments: RW = .16 @ 83 deg. = 40,000ppm

Serial #: 8520 **Inside** Palomino Petroleum 28-5-37w Cheyenne,KS DST Test Number: 2



Trilobite Testing, Inc Ref. No: 53443 Printed: 2015.07.20 @ 11:46:55

Serial #: 8653 **Outside** Palomino Petroleum 28-5-37w Cheyenne,KS DST Test Number: 2



Trilobite Testing, Inc Ref. No: 53443 Printed: 2015.07.20 @ 11:46:55

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

28-5-37w Cheyenne,KS

Junior Magley Trust #1

Start Date: 2015.07.14 @ 23:35:00

End Date: 2015.07.15 @ 06:18:00

Job Ticket #: 53444 DST #: 3

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

Printed: 2015.07.20 @ 11:46:17

DRILL STEM TEST REPORT

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53444 **DST#: 3**

Test Start: 2015.07.14 @ 23:35:00

GENERAL INFORMATION:

Formation: **LKC "K-L"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:00:00
Time Test Ended: 06:18:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82

Interval: 4444.00 ft (KB) To 4515.00 ft (KB) (TVD)
Total Depth: 4515.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

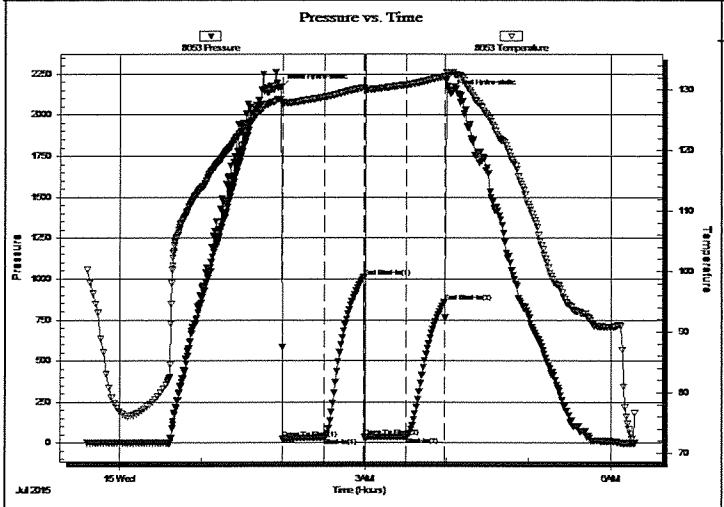
Reference Elevations: 3357.00 ft (KB)
3349.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8653 **Outside**

Press@RunDepth: 40.20 psig @ 4445.00 ft (KB)
Start Date: 2015.07.14 End Date: 2015.07.15
Start Time: 23:36:00 End Time: 06:18:00

Capacity: 8000.00 psig
Last Calib.: 2015.07.15
Time On Btm: 2015.07.15 @ 01:58:30
Time Off Btm: 2015.07.15 @ 04:02:30

TEST COMMENT: 30 - IF- 1/2" Blow built to 1" then died in 25 min.
30 - ISI- No Return
30 - FF- No Blow
30 - FSI- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.94	128.46	Initial Hydro-static
2	26.38	127.91	Open To Flow (1)
32	34.46	128.81	Shut-In(1)
61	1013.65	130.38	End Shut-In(1)
61	35.91	130.04	Open To Flow (2)
92	40.20	130.84	Shut-In(2)
120	859.52	132.24	End Shut-In(2)
124	2130.86	132.88	Final Hydro-static

Recovery

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

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53444 **DST#: 3**

Test Start: 2015.07.14 @ 23:35:00

GENERAL INFORMATION:

Formation: **LKC "K-L"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:00:00
Time Test Ended: 06:18:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82

Interval: 4444.00 ft (KB) To 4515.00 ft (KB) (TVD)
Total Depth: 4515.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

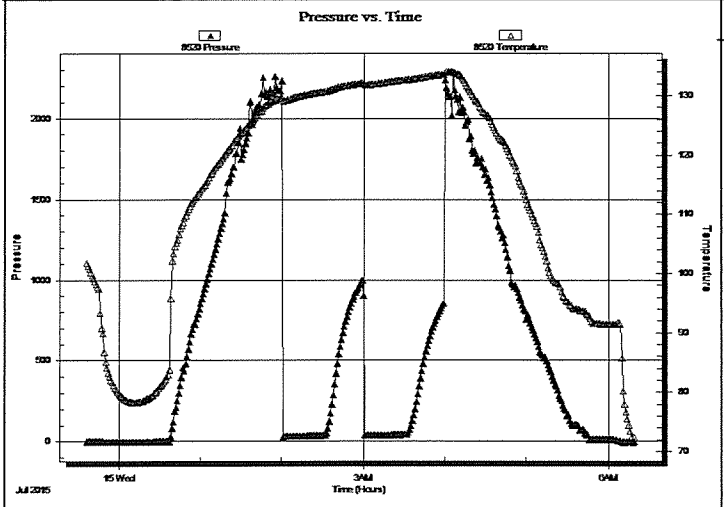
Reference Elevations: 3357.00 ft (KB)
3349.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8520 **Inside**

Press@RunDepth: psig @ 4445.00 ft (KB)
Start Date: 2015.07.14 End Date: 2015.07.15
Start Time: 23:36:00 End Time: 06:19:00

Capacity: 8000.00 psig
Last Calib.: 2015.07.15
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF- 1/2" Blow built to 1" then died in 25 min.
30 - ISI- No Return
30 - FF- No Blow
30 - FSI- No Return



PRESSURE SUMMARY

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

Recovery

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

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53444 **DST#: 3**

Test Start: 2015.07.14 @ 23:35:00

Tool Information

Drill Pipe:	Length:	4327.00 ft	Diameter:	3.80 inches	Volume:	60.70 bbl	Tool Weight:		2500.00 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:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		lb
					Total Volume:	61.29 bbl	Tool Chased		ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4444.00 ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		71.00 ft							
Tool Length:		99.00 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			4417.00		
Shut In Tool	5.00			4422.00		
Hydraulic tool	5.00			4427.00		
Jars	5.00			4432.00		
Safety Joint	3.00			4435.00		
Packer	5.00			4440.00	28.00	Bottom Of Top Packer
Packer	4.00			4444.00		
Packer - Shale	0.00			4444.00		
Stubb	1.00			4445.00		
Recorder	0.00	8653	Outside	4445.00		
Recorder	0.00	8520	Inside	4445.00		
Perforations	2.00			4447.00		
Change Over Sub	1.00			4448.00		
Drill Pipe	63.00			4511.00		
Change Over Sub	1.00			4512.00		
Bullnose	3.00			4515.00	71.00	Bottom Packers & Anchor
Total Tool Length:	**99.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53444 **DST#: 3**

Test Start: 2015.07.14 @ 23:35:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 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
10.00	Mud 100M	0.049

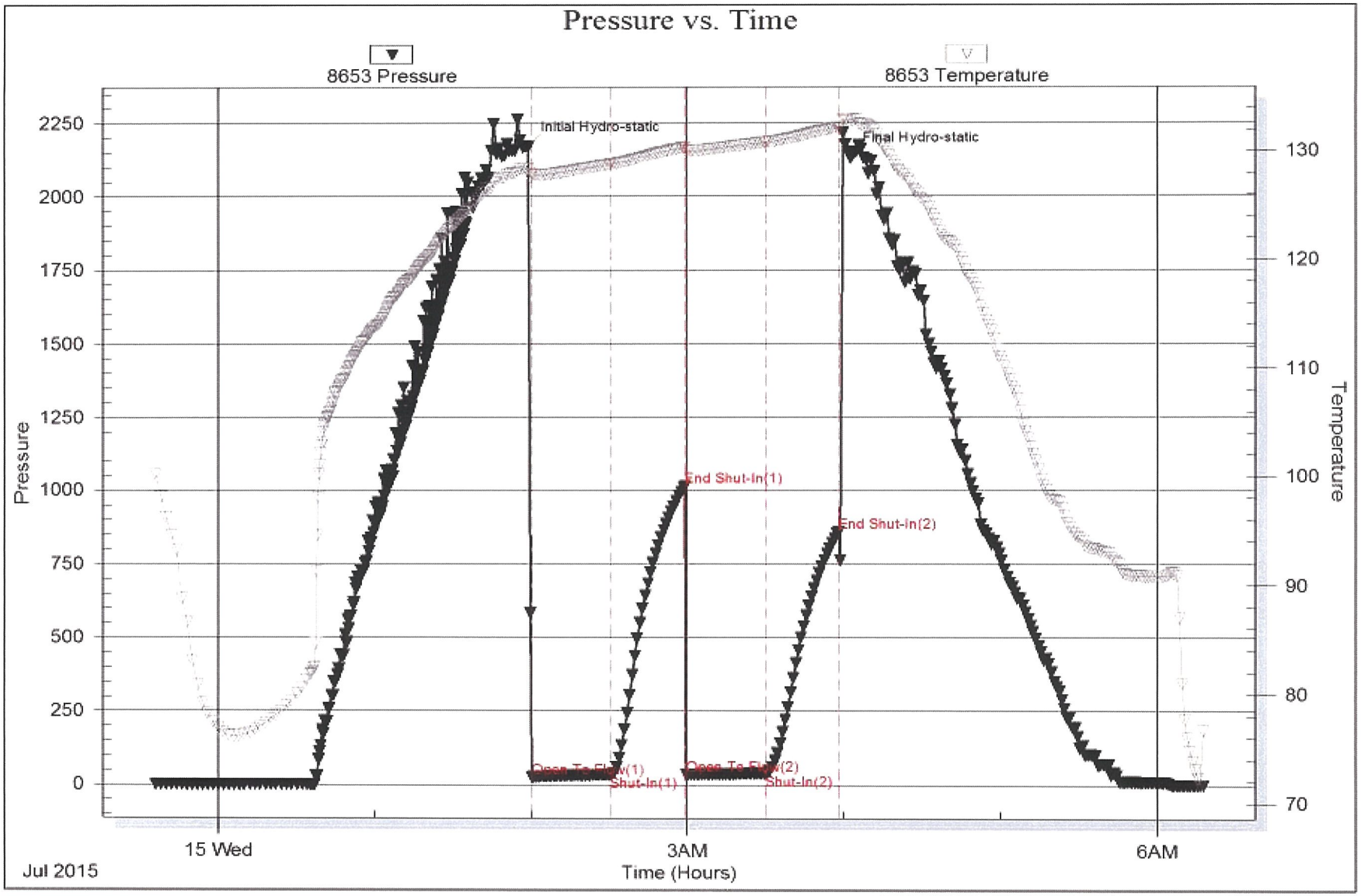
Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

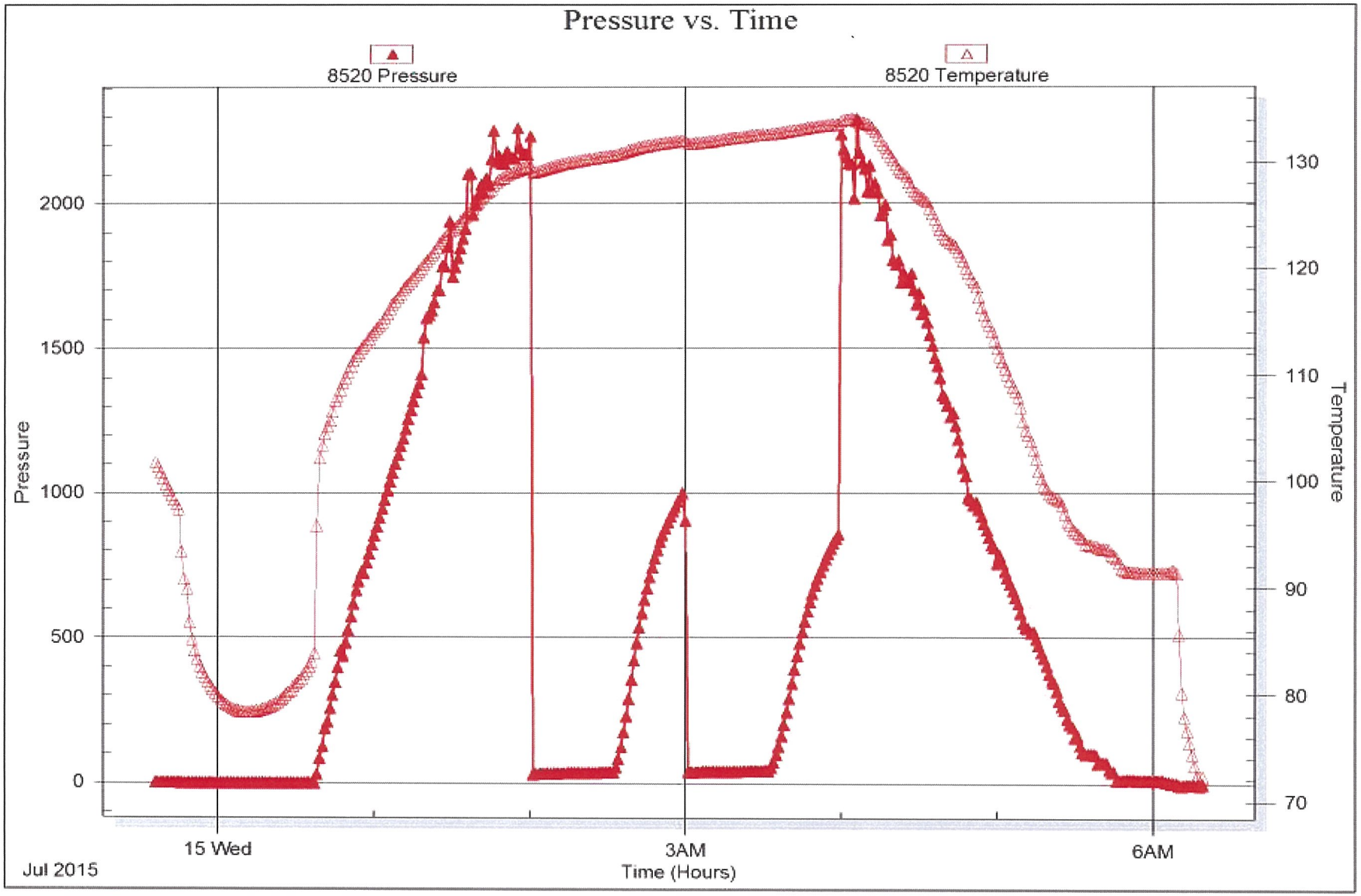
Recovery Comments:

Serial #: 8653 **Outside** Palomino Petroleum 28-5-37w Cheyenne,KS DST Test Number: 3



Trilobite Testing, Inc Ref. No: 53444 Printed: 2015.07.20 @ 11:46:19

Serial #: 8520 **Inside** Palomino Petroleum 28-5-37w Cheyenne,KS DST Test Number: 3



Trilobite Testing, Inc Ref. No: 53444 Printed: 2015.07.20 @ 11:46:19

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

28-5-37w Cheyenne,KS

Junior Magley Trust #1

Start Date: 2015.07.16 @ 01:14:00

End Date: 2015.07.16 @ 08:22:00

Job Ticket #: 53445 DST #: 4

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

Printed: 2015.07.20 @ 11:44:47

DRILL STEM TEST REPORT

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53445 **DST#: 4**

Test Start: 2015.07.16 @ 01:14:00

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:55:30
Time Test Ended: 08:22:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82

Interval: 4622.00 ft (KB) To 4657.00 ft (KB) (TVD)
Total Depth: 4657.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

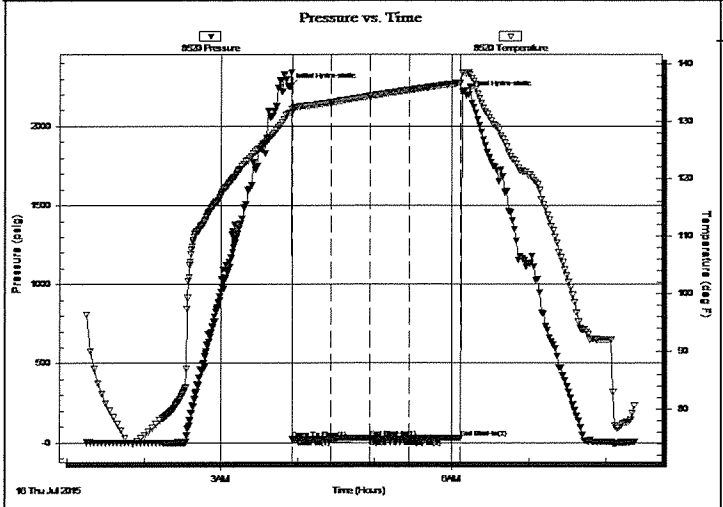
Reference Elevations: 3357.00 ft (KB)
3349.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8520 **Inside**

Press@RunDepth: 24.02 psig @ 4623.00 ft (KB)
Start Date: 2015.07.16 End Date: 2015.07.16
Start Time: 01:15:00 End Time: 08:22:00

Capacity: 8000.00 psig
Last Calib.: 2015.07.16
Time On Btm: 2015.07.16 @ 03:53:30
Time Off Btm: 2015.07.16 @ 06:11:30

TEST COMMENT: 30 - FF- 1/4" Blow built to 1/2" then died at 20 min.
30 - ISI- No Return
30 - FF- No Blow
30 - FSI- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.82	131.43	Initial Hydro-static
2	23.38	131.70	Open To Flow (1)
32	23.55	133.22	Shut-In(1)
62	28.32	134.33	End Shut-In(1)
63	23.69	134.35	Open To Flow (2)
93	24.02	135.37	Shut-In(2)
134	27.03	136.63	End Shut-In(2)
138	2197.43	138.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02
0.00	Show of oil spots in tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53445 **DST#: 4**

Test Start: 2015.07.16 @ 01:14:00

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:55:30
Time Test Ended: 08:22:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82

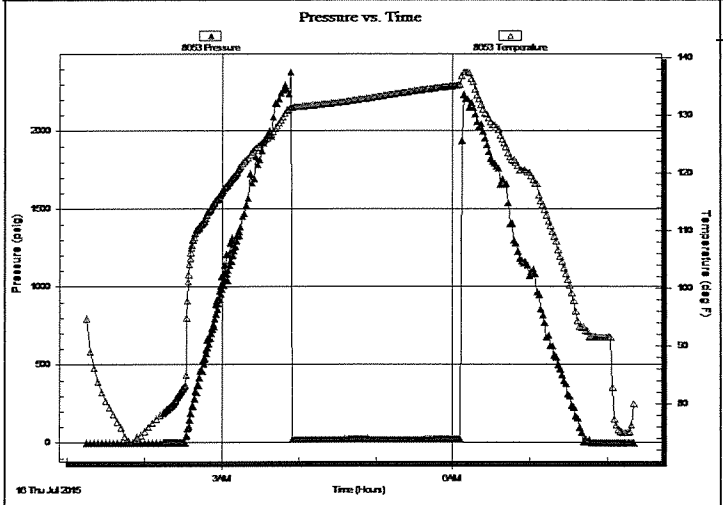
Interval: 4622.00 ft (KB) To 4657.00 ft (KB) (TVD)
Total Depth: 4657.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3357.00 ft (KB)
3349.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8653 **Outside**
Press@RunDepth: psig @ 4623.00 ft (KB)
Start Date: 2015.07.16 End Date: 2015.07.16
Start Time: 01:15:00 End Time: 08:20:30

Capacity: 8000.00 psig
Last Calib.: 2015.07.16
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - FF- 1/4" Blow built to 1/2" then died at 20 min.
30 - ISI- No Return
30 - FF- No Blow
30 - FSI- No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02
0.00	Show of oil spots in tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53445 **DST#: 4**

Test Start: 2015.07.16 @ 01:14:00

Tool Information

Drill Pipe:	Length:	4482.00 ft	Diameter:	3.80 inches	Volume:	62.87 bbl	Tool Weight:		2500.00 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:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	63.46 bbl	Tool Chased		ft
Drill Pipe Above KB:		7.00 ft					String Weight:	Initial	64000.00 lb
Depth to Top Packer:		4622.00 ft						Final	64000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		35.00 ft							
Tool Length:		63.00 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			4595.00		
Shut In Tool	5.00			4600.00		
Hydraulic tool	5.00			4605.00		
Jars	5.00			4610.00		
Safety Joint	3.00			4613.00		
Packer	5.00			4618.00	28.00	Bottom Of Top Packer
Packer	4.00			4622.00		
Packer - Shale	0.00			4622.00		
Stubb	1.00			4623.00		
Recorder	0.00	8653	Outside	4623.00		
Recorder	0.00	8520	Inside	4623.00		
Perforations	29.00			4652.00		
Bullnose	5.00			4657.00	35.00	Bottom Packers & Anchor
Total Tool Length:	**63.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

4294 SE 84th St.
Newton, KS 67114

ATTN: Nicholas Gerstner

Junior Magley Trust #1

28-5-37w Cheyenne,KS

Job Ticket: 53445 **DST#: 4**

Test Start: 2015.07.16 @ 01:14:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

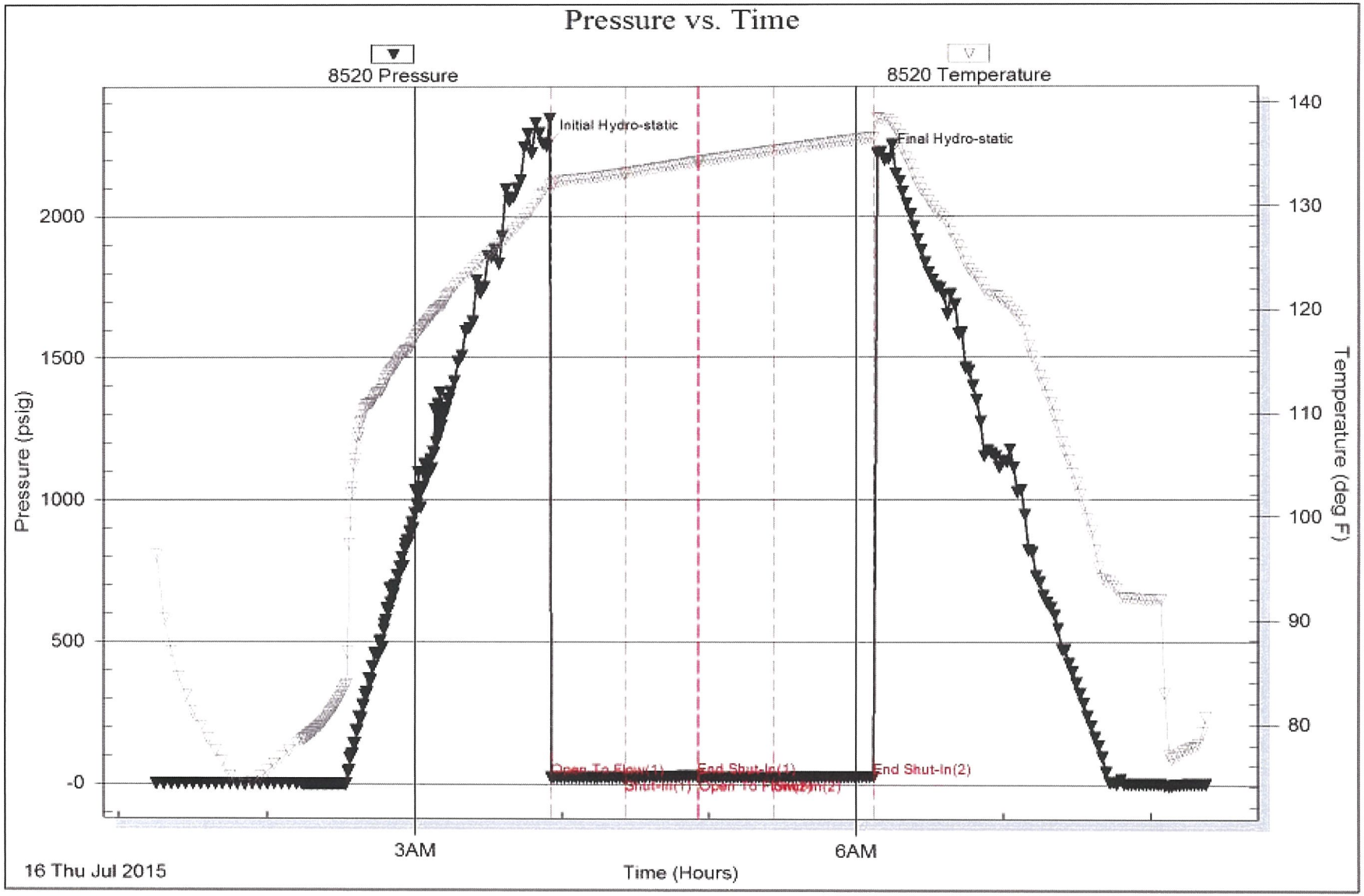
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100M	0.025
0.00	Show of oil spots in tool	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

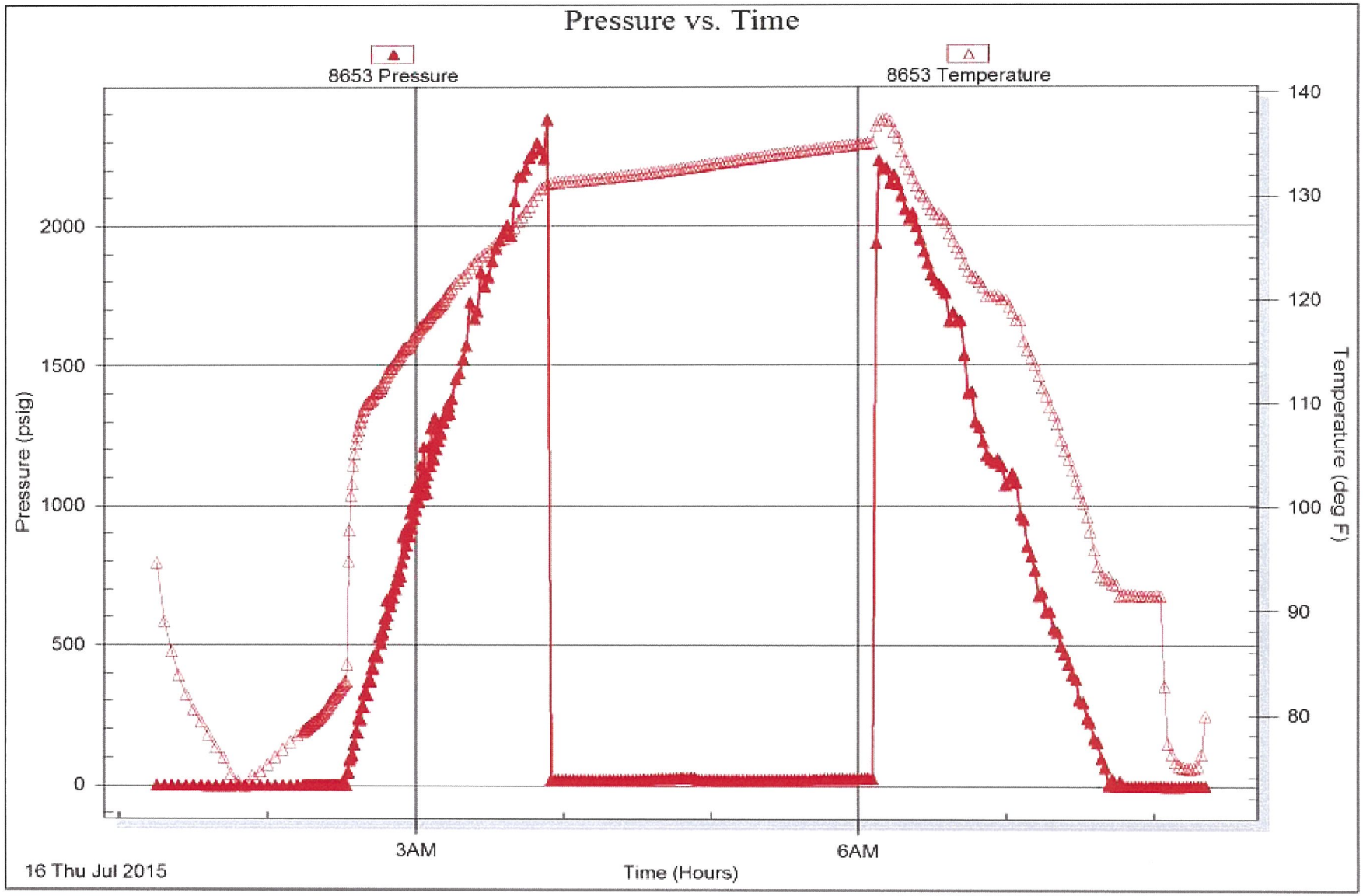
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8520 **Inside** Palomino Petroleum 28-5-37w Cheyenne,KS DST Test Number: 4



Trilobite Testing, Inc Ref. No: 53445 Printed: 2015.07.20 @ 11:44:49

Serial #: 8653 **Outside** Palomino Petroleum 28-5-37w Cheyenne,KS DST Test Number: 4



Trilobite Testing, Inc Ref. No: 53445 Printed: 2015.07.20 @ 11:44:49

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53442

Well Name & No. Junior Mugley Trust #1 Test No. 1 Date 7-13-15

Company Palomino Petroleum Elevation 3357 KB 3349 GL

Address 4294 SE 84th St. Newton, KS 67114

Co. Rep / Geo. Nicholas Gerstner Rig WW #12

Location: Sec. 28 Twp. 5S Rge. 37W Co. Cheyenne State KS

Interval Tested 4202 - 4314 Zone Tested Toronto - LKC "A-C"

Anchor Length 112' Drill Pipe Run 4075 Mud Wt. 9.1

Top Packer Depth 4198 Drill Collars Run 114 Vis 48

Bottom Packer Depth 4202 Wt. Pipe Run 0 WL 8.0

Total Depth 4314 Chlorides 1,0000 ppm System LCM 1#

Blow Description IF - BoB in 7 min
ISI - No Return
FF - BoB in 8 min
FSI - No Return

Rec 151	Feet of Mud	%gas	%oil	%water 100	%mud
Rec 252	Feet of WM	%gas	%oil 40	%water 60	%mud
Rec 189	Feet of MW	%gas	%oil 60	%water 40	%mud
Rec 252	Feet of MW	%gas	%oil 80	%water 20	%mud
Rec 183	Feet of MW	%gas	%oil 90	%water 10	%mud

Rec Total 1027 BHT 138 Gravity ____ API RW .19 @ 70 °F Chlorides 39,0000 ppm

(A) Initial Hydrostatic	1987	☒ Test 1150	T-On Location 1:45 AM
(B) First Initial Flow	102	☒ Jars 250	T-Started 2:20 AM
(C) First Final Flow	286	☒ Safety Joint 75	T-Open 4:19 AM
(D) Initial Shut-In	1241	☐ Circ Sub	T-Pulled 6:14 AM
(E) Second Initial Flow	327	☐ Hourly Standby	T-Out 9:13 AM
(F) Second Final Flow	432	☒ Mileage 130	Comments Show of oil spots in tool
(G) Final Shut-In	1194	☐ Sampler	
(H) Final Hydrostatic	1951	☐ Straddle	☐ Ruined Shale Packer
		☒ Shale Packer 130 RT 250	☐ Ruined Packer
Initial Open	30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In	30	☐ Extra Recorder	Sub Total 0
Final Flow	30	☐ Day Standby	Total 1855
Final Shut-In	30	☐ Accessibility	MP/DST Disc't
		Sub Total 1855	

Approved By ____ Our Representative [signature]

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53443

Well Name & No. Junior Mugley Trust #1 Test No. 2 Date 7-14-15

Company Palomino Petroleum Elevation 3357 KB 3344 GL

Address 4294 SE 84th St. Newton, KS 67114

Co. Rep / Geo. Nicholas Gerstner Rig WW #2

Location: Sec. 28 Twp. 5S Rge. 37W Co. Cheyenne State KS

Interval Tested 4343-4451 Zone Tested LKC "H-I-J"

Anchor Length 108' Drill Pipe Run 4281' Mud Wt. 9.3

Top Packer Depth 4339 Drill Collars Run 119 Vis 50

Bottom Packer Depth 4343 Wt. Pipe Run 0 WL 9.6

Total Depth 4451 Chlorides 2,8000 ppm System LCM 1#

Blow Description IF - BoB in 7 min
ISI - No Return
FF - BoB in 8 min
FSI - No Return

Rec 156	Feet of MW	%gas	%oil 60	%water 40	%mud		
Rec 189	Feet of MW	%gas	%oil 80	%water 20	%mud		
Rec 682	Feet of MW	%gas	%oil 95	%water 5	%mud		
Rec 5	Feet of Mud (Heavy)	%gas	%oil	%water 100	%mud		
Rec	Feet of	%gas	%oil	%water	%mud		

Rec Total 1032 BHT 145 Gravity ____ API RW .16 @ 83 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 2267	☒ Test 1150	T-On Location 4:00 AM	
(B) First Initial Flow 57	☒ Jars 250	T-Started 4:20 AM	
(C) First Final Flow 289	☒ Safety Joint 75	T-Open 6:31 AM	
(D) Initial Shut-In 1310	☐ Circ Sub	T-Pulled 8:31 AM	
(E) Second Initial Flow 281	☐ Hourly Standby	T-Out 11:22 AM	
(F) Second Final Flow 487	☒ Mileage 130 RT	Comments Show of oil spots in tool	
(G) Final Shut-In 1364	☐ Sampler		
(H) Final Hydrostatic 2136	☐ Straddle	☐ Ruined Shale Packer	
	☒ Shale Packer 250	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1855	
Final Shut-In 30	☐ Accessibility	MP/DST Disc't	
	Sub Total 1855		

Approved By ____ Our Representative [signature]

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53444

Well Name & No. Junior Mugler Trust #1 Test No. 3 Date 7-14-15

Company Palomino Petroleum Elevation 3357 KB 3349 GL

Address 4294 SE 84th St. Newton, KS 67114

Co. Rep / Geo. Nicholas Gerstner Rig WW #12

Location: Sec. 28 Twp. 5S Rge. 37W Co. Cheyenne State KS

Interval Tested 4444-4515 Zone Tested LKC "K-L"

Anchor Length 71' Drill Pipe Run 4327' Mud Wt. 9.3

Top Packer Depth 4440 Drill Collars Run 119 Vis 57

Bottom Packer Depth 4444 Wt. Pipe Run 0 WL 9.6

Total Depth 4515 Chlorides 3,0000 ppm System LCM 1#

Blow Description IF - ½" Blow built to 1" then died in 25 min

ISI - No Return

FF - No Blow

FSI - No Return

Rec 10	Feet of Mud	%gas	%oil	%water 100	%mud	
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 10 BHT 132 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2168

(B) First Initial Flow 26

(C) First Final Flow 34

(D) Initial Shut-In 1613

(E) Second Initial Flow 35

(F) Second Final Flow 40

(G) Final Shut-In 859

(H) Final Hydrostatic 2130

Initial Open 30

Initial Shut-In 30

Final Flow 30

Final Shut-In 30

- [x] Test 1150
- [x] Jars 250
- [x] Safety Joint 75
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 1350 RT
- [ ] Sampler
- [ ] Straddle
- [x] Shale Packer 250
- [ ] Extra Packer
- [ ] Extra Recorder
- [ ] Day Standby
- [ ] Accessibility

Sub Total 1855

T-On Location 11:25 PM

T-Started 11:35 PM

T-Open 2:00 AM

T-Pulled 4:00 AM

T-Out 6:20 AM 7-15-15

Comments

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total 0

Total 1855

MP/DST Disc't

Approved By Our Representative

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53445

Well Name & No. Junior Mugley Trust #1 Test No. 4 Date 7-16-15

Company Palomino Petroleum Elevation 3357 KB 3349 GL

Address 4294 SE 84th St. Newton, KS 67114

Co. Rep / Geo. Nicholas Gerstner Rig WW #12

Location: Sec. 28 Twp. 5S Rge. 37 W Co. Cheyenne State KS

Interval Tested 4622-4657 Zone Tested Pawnee

Anchor Length 35' Drill Pipe Run 4482 Mud Wt. 9.3

Top Packer Depth 4618 Drill Collars Run 119 Vis 56

Bottom Packer Depth 4622 Wt. Pipe Run 0 WL 8.8

Total Depth 4657 Chlorides 2,4000 ppm System LCM 1#

Blow Description IF - 1/4" Blow built to 1/2" then died at 2nd min.

ISI - No Return

FF - No Blow

FSI - No Return

Rec 5	Feet of Mud	%gas	%oil	%water 100	%mud	
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 137 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2246

(B) First Initial Flow 23

(C) First Final Flow 23

(D) Initial Shut-In 28

(E) Second Initial Flow 23

(F) Second Final Flow 24

(G) Final Shut-In 27

(H) Final Hydrostatic 2197

Initial Open 30

Initial Shut-In 30

Final Flow 30

Final Shut-In 30

- [X] Test 1150
- [X] Jars 250
- [X] Safety Joint 75
- [ ] Circ Sub
- [ ] Hourly Standby
- [X] Mileage 130 RT +130
- [ ] Sampler
- [ ] Straddle
- [X] Shale Packer 250
- [ ] Extra Packer
- [ ] Extra Recorder
- [X] Day Standby X1
- [ ] Accessibility

Sub Total 1985

T-On Location 12:45 AM

T-Started 1:14 AM

T-Open 3:55 AM

T-Pulled 5:55 AM

T-Out 8:22 AM

Comments Show of oil spots in mud

Loaded tools 8:20 7-17-15

- [X] Ruined Shale Packer X1 350
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total 350

Total 2335

MP/DST Disc't

Approved By Our Representative