



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

OCT 11 2014 MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE Invoice # 271600
=====

Invoice Date: 10/09/2014 Terms: 10/10/10,n/30 Page 1

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

AUDREY SCHWARZ UNIT #1
6-9-30
47711
10/06/2014
KS

Description	Hours	Unit Price	Total
P & A NEW WELL	1.00	1395.00	1395.00
EQUIPMENT MILEAGE (ONE WAY)	35.00	5.25	183.75

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	240.00	15.8600	3806.40
1118B	PREMIUM GEL / BENTONITE	826.00	.2700	223.02
1107	FLO-SEAL (25#)	60.00	2.9700	178.20
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-221.08
9996-130	CEMENT MATERIAL DISCOUNT	-430.83

Description	Hours	Unit Price	Total
693 TON MILEAGE DELIVERY	1.00	632.10	632.10

Amount Due 6870.35 if paid after 10/19/2014

Parts:	4308.37	Freight:	.00	Tax:	316.02	AR	6183.33
Labor:	.00	Misc:	.00	Total:	6183.33		
Sublt:	-651.91	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

271600

TICKET NUMBER 47711

LOCATION Oakley Ks.

FOREMAN Daren

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

FIELD TICKET & TREATMENT REPORT
CEMENT

Ks.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/6/14	6285	Audrey Schwarz unit #1	6	9	30	Shardien
CUSTOMER <u>Palomino</u>		menlo 5 to 40 ft 1/2 E-S.S.	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			731	Cory		
CITY			693	Kelly		
STATE						
ZIP CODE						

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4730' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 2587' TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting Rig up on WW-10 Plug as ordered

2587' - 50 SKS
1701' - 100 SKS
305' - 50 SKS 240 SKS 60/40 4% Gel 1/4" Floseal
40' - 10 SKS
Plug Rathole 30 SKS

Thanks Daren & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405 N	1	PUMP CHARGE	\$ 1395.00	\$ 1395.00 ✓
5406	35	MILEAGE	\$ 5.25	\$ 183.75 ✓
5407 H	10.32	Ton mileage Delivery	\$ 1.75	\$ 632.10 ✓
1131	240 SKS	60/40 Poz mix	\$ 15.86	\$ 3806.40 ✓
1118 B	826 #	Bentonite	\$.27	\$ 223.02 ✓
1107	60 #	Floseal	\$ 2.97	\$ 178.20 ✓
4432	1	8 5/8 Wooden Plug	\$ 100.75	\$ 100.75 ✓
			Sub Total	\$ 6519.22 ✓
			Less 10%	\$ 651.92 ✓
			Sub Total	\$ 5867.30 ✓
			SALES TAX	316.03 ✓
			ESTIMATED TOTAL	6183.33 ✓

Ravin 3737

AUTHORIZATION [Signature] TITLE TP DATE 10-6-14

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

RECEIVED

OCT 02 2014 MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 271392

Invoice Date: 09/29/2014 Terms: 10/10/10,n/30 Page 1

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

AUDREY SCHWARZ UNIT #1
6-9-30
46748
09/27/2014
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	200.00	18.5500	3710.00
1102	CALCIUM CHLORIDE (50#)	564.00	.9400	530.16
1118A	S-5 GEL/ BENTONITE (50#)	376.00	.2700	101.52

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-190.95
9996-130	CEMENT MATERIAL DISCOUNT	-434.16

Description	Hours	Unit Price	Total
456 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
456 EQUIPMENT MILEAGE (ONE WAY)	35.00	5.25	183.75
460 TON MILEAGE DELIVERY	1.00	575.75	575.75

Amount Due 6561.62 if paid after 10/09/2014

Parts:	4341.68	Freight:	.00	Tax:	279.40	AR	5905.47
Labor:	.00	Misc:	.00	Total:	5905.47		
Sublt:	-625.11	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

271392

TICKET NUMBER 46748

LOCATION Oakley KS

FOREMAN Dane Retzloff

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

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-27-14	6285	Audrey Schwarz unit #1	6	9	30	Thomas
CUSTOMER		Mento south to RD 40 1/2 east south into	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			456	Mike		
CITY			460	Lance		
STATE			Helper	Larry		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 256 CASING SIZE & WEIGHT 8 5/8 24 LBS
 CASING DEPTH 256 DRILL PIPE 4.5 TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20
 DISPLACEMENT 15.05 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up. Break circulation. Mix 400 sks of Class A
370 cc 2% gel. Displace 15 BBls of water. Shut in. Cement did circulate

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401s	1	PUMP CHARGE	1150.00	1150.00
5406	35	MILEAGE	5.25	183.75
5407A	9.4	Ton mileage Delivery	1.75	575.75
1104S	200 sks	Class A cement	18.55	3710.00 ✓
1102	564	Calcium Chloride	.94	530.16 ✓
1118A	376	Bentonite	.27	101.52 ✓
			Sub	6251.18
			less 10%	625.12 ✓
			Total	5626.06
			SALES TAX	279.41 ✓
			ESTIMATED TOTAL	5905.47 ✓

Flavin 3737

AUTHORIZATION [Signature] TITLE T.P. DATE 9-27-14

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

Audrey Schwarz #1

6-9s-30w Sheridan,KS

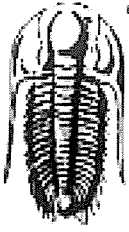
Start Date: 2014.09.30 @ 16:05:00

End Date: 2014.09.30 @ 21:55:30

Job Ticket #: 58328 DST #: 1

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

Printed: 2014.10.09 @ 16:49:32



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58328

DST#: 1

ATTN: Ryan Seib

Test Start: 2014.09.30 @ 16:05:00

GENERAL INFORMATION:

Formation: **Stotler**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:18:30

Time Test Ended: 21:55:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: **3546.00 ft (KB) To 3629.00 ft (KB) (TVD)**

Reference Elevations: 2956.00 ft (KB)

Total Depth: 3629.00 ft (KB) (TVD)

2951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6753 Outside

Press@RunDepth: 32.57 psig @ 3547.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.30

End Date: 2014.09.30

Last Calib.: 2014.09.30

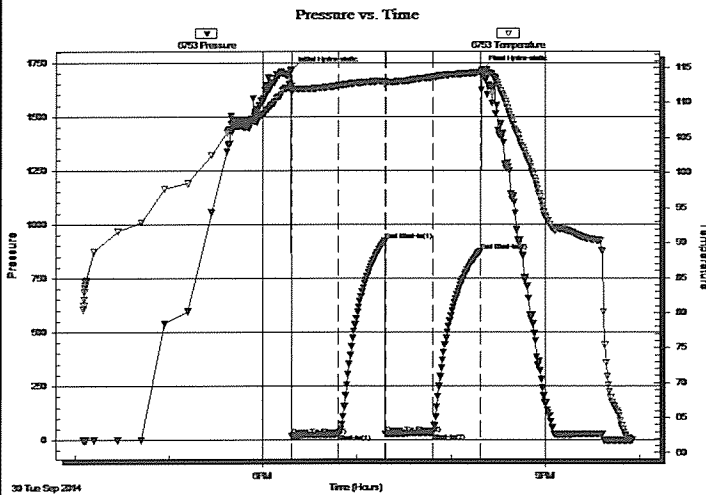
Start Time: 16:05:05

End Time: 21:55:29

Time On Btm: 2014.09.30 @ 18:18:15

Time Off Btm: 2014.09.30 @ 20:19:45

TEST COMMENT: 30 - IF - Surface blow built to a weak surface and held
30 - ISI - No Return
30 - FF - No Surface blow
30 - FSI - No Return



PRESSURE SUMMARY

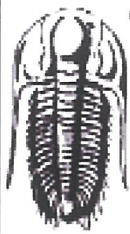
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.20	112.34	Initial Hydro-static
1	19.57	111.49	Open To Flow (1)
31	26.54	112.48	Shut-In(1)
60	924.86	113.14	End Shut-In(1)
60	27.65	112.58	Open To Flow (2)
90	32.57	113.63	Shut-In(2)
121	874.47	114.32	End Shut-In(2)
122	1718.69	114.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM - 100M - Few Oil spots	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St
New ton KS 67114

ATTN: Ryan Seib

6-9s-30w Sheridan,KS

Audrey Schwarz #1

Job Ticket: 58328

DST#: 1

Test Start: 2014.09.30 @ 16:05:00

GENERAL INFORMATION:

Formation: **Stotler**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:18:30

Time Test Ended: 21:55:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: **3546.00 ft (KB) To 3629.00 ft (KB) (TVD)**

Total Depth: 3629.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2956.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8368

Press@RunDepth: psig @ ft (KB)

Start Date: 2014.09.30

End Date:

2014.09.30

Start Time: 16:05:05

End Time:

21:55:29

Capacity: 8000.00 psig

Last Calib.: 2014.09.30

Time On Btm:

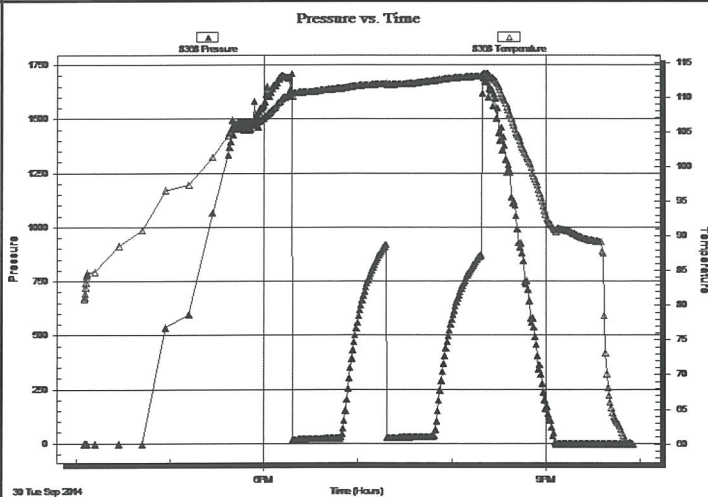
Time Off Btm:

TEST COMMENT: 30 - IF - Surface blow built to a weak surface and held

30 - ISI - No Return

30 - FF - No Surface blow

30 - FSI - No Return



PRESSURE SUMMARY

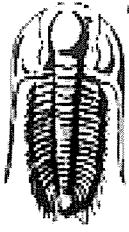
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM - 100M - Few Oil spots	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58328

DST#: 1

ATTN: Ryan Seib

Test Start: 2014.09.30 @ 16:05:00

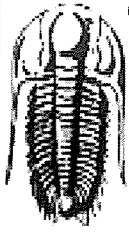
Tool Information

Drill Pipe:	Length: 3415.28 ft	Diameter: 3.80 inches	Volume: 47.91 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: 122.16 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 48.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.44 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3546.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3524.00	
Hydraulic tool	5.00			3529.00	
Jars	5.00			3534.00	
Safety Joint	3.00			3537.00	
Packer	4.00			3541.00	27.00 Bottom Of Top Packer
Packer	5.00			3546.00	
Stubb	1.00			3547.00	
Recorder	0.00	8368	Inside	3547.00	
Recorder	0.00	6753	Outside	3547.00	
Perforations	13.00			3560.00	
Change Over Sub	1.00			3561.00	
Drill Pipe	63.00			3624.00	
Change Over Sub	1.00			3625.00	
Bullnose	4.00			3629.00	83.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58328

DST#: 1

ATTN: Ryan Seib

Test Start: 2014.09.30 @ 16:05:00

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM - 100M - Few Oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

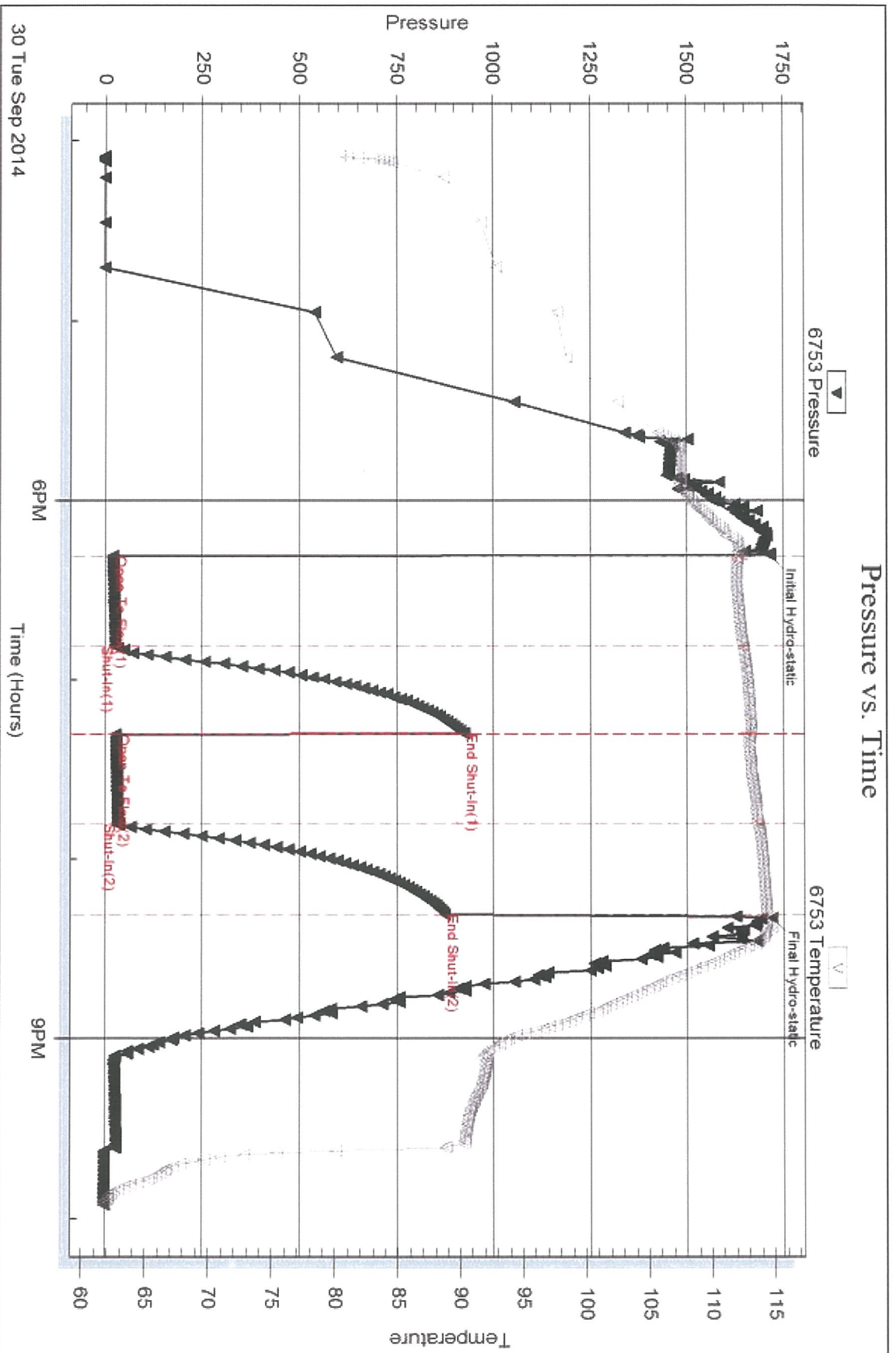
Outside

Palomino Petroleum, Inc.

Audrey Schwarz #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 58328

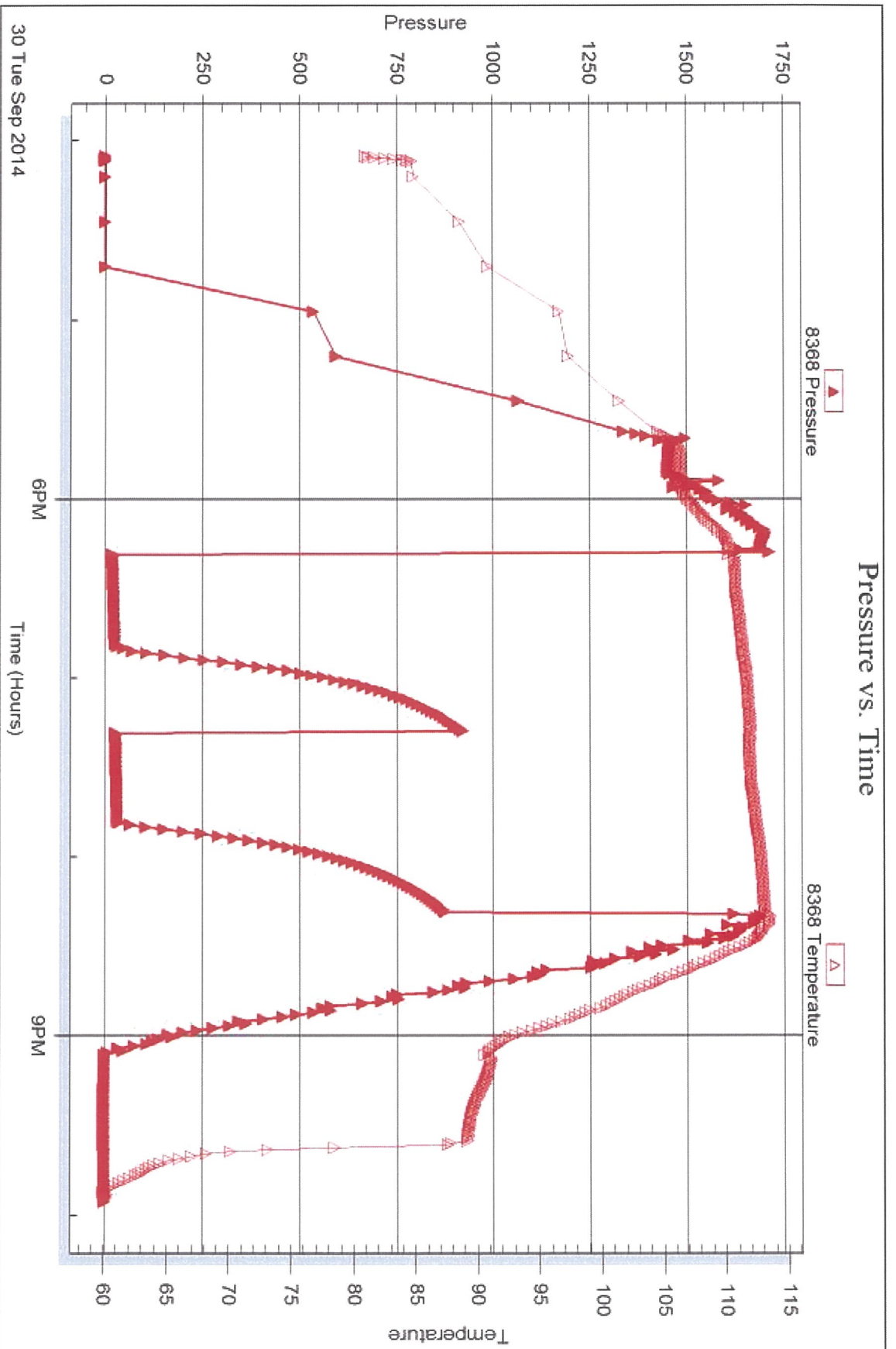
Printed: 2014.10.09 @ 16:49:33

Serial #: 8368

Palomino Petroleum, Inc.

Audrey Schwarz #1

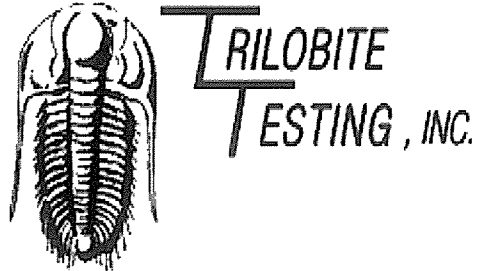
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58328

Printed: 2014. 10.09 @ 16:49:33



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

Audrey Schwarz #1

6-9s-30w Sheridan,KS

Start Date: 2014.10.01 @ 08:27:00

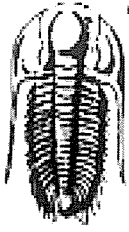
End Date: 2014.10.01 @ 13:52:00

Job Ticket #: 58329 DST #: 2

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

Printed: 2014.10.09 @ 16:49:05

Palomino Petroleum, Inc. 6-9s-30w Sheridan,KS Audrey Schwarz #1 DST # 2 Tarkio 2014.10.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58329

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.10.01 @ 08:27:00

GENERAL INFORMATION:

Formation: **Tarkio**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:00:00

Time Test Ended: 13:52:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 54

Interval: **3666.00 ft (KB) To 3771.00 ft (KB) (TVD)**

Reference Elevations: 2956.00 ft (KB)

Total Depth: 3771.00 ft (KB) (TVD)

2951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6753

Outside

Press@RunDepth: 893.62 psig @ 3667.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.01

End Date:

2014.10.01

Last Calib.: 2014.10.01

Start Time: 08:27:05

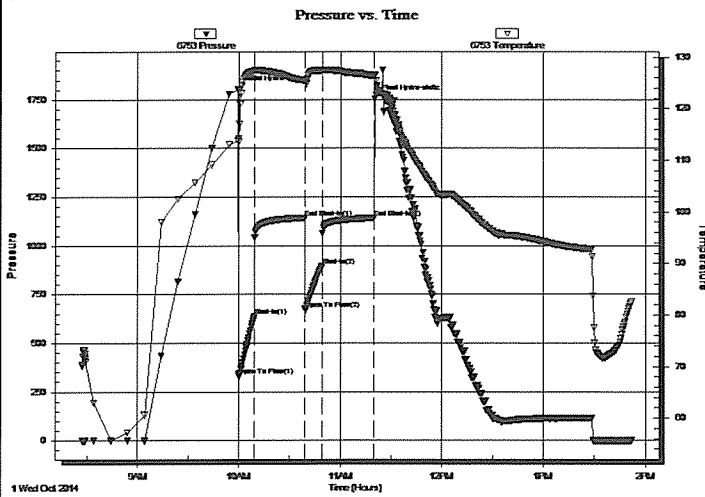
End Time:

13:51:59

Time On Btm: 2014.10.01 @ 09:59:15

Time Off Btm: 2014.10.01 @ 11:20:15

TEST COMMENT: 10 - IF - Surface blow built to BOB in 1 min.
30 - ISI - No Return
10 - FF - Surface blow built to BOB in 1 min.
30 - FSI - No Return



PRESSURE SUMMARY

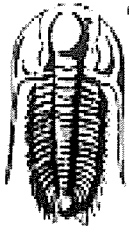
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1801.47	113.94	Initial Hydro-static
1	331.76	114.23	Open To Flow (1)
10	638.83	127.35	Shut-In(1)
40	1143.13	125.53	End Shut-In(1)
40	675.03	125.22	Open To Flow (2)
50	893.62	127.46	Shut-In(2)
81	1141.11	126.39	End Shut-In(2)
81	1752.53	126.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1260.00	MW - 5M - 95W	16.56
315.00	MW - 35M - 65W	4.42
262.00	WM - 50M - 50W	3.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58329

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.10.01 @ 08:27:00

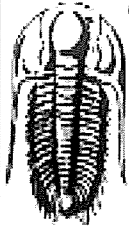
Tool Information

Drill Pipe:	Length: 3539.92 ft	Diameter: 3.80 inches	Volume: 49.66 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: 122.16 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 50.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.08 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3666.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	132.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3644.00	
Hydraulic tool	5.00			3649.00	
Jars	5.00			3654.00	
Safety Joint	3.00			3657.00	
Packer	4.00			3661.00	27.00 Bottom Of Top Packer
Packer	5.00			3666.00	
Stubb	1.00			3667.00	
Recorder	0.00	8368	Inside	3667.00	
Recorder	0.00	6753	Outside	3667.00	
Perforations	35.00			3702.00	
Change Over Sub	1.00			3703.00	
Drill Pipe	63.00			3766.00	
Change Over Sub	1.00			3767.00	
Bullnose	4.00			3771.00	105.00 Bottom Packers & Anchor

Total Tool Length: 132.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58329

DST#: 2

ATTN: Ryan Seib

Test Start: 2014.10.01 @ 08:27:00

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:	42000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1260.00	MW - 5M - 95W	16.562
315.00	MW - 35M - 65W	4.419
262.00	WM - 50M - 50W	3.675

Total Length: 1837.00 ft Total Volume: 24.656 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

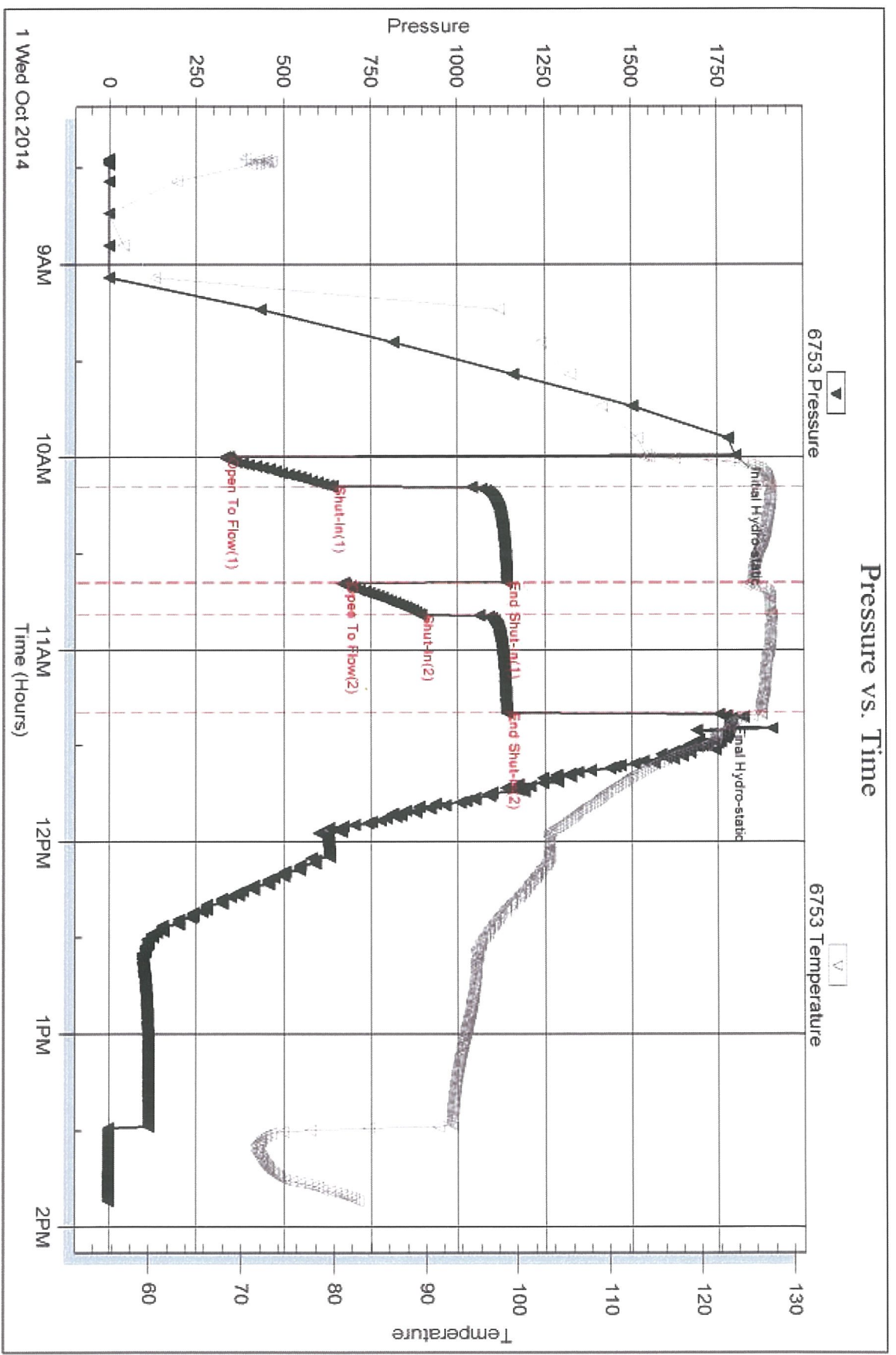
Recovery Comments:

Serial #: 6753

Outside Palomino Petroleum, Inc.

Audrey Schwarz #1

DST Test Number: 2



Tricoile Testing, Inc

Ref. No: 58329

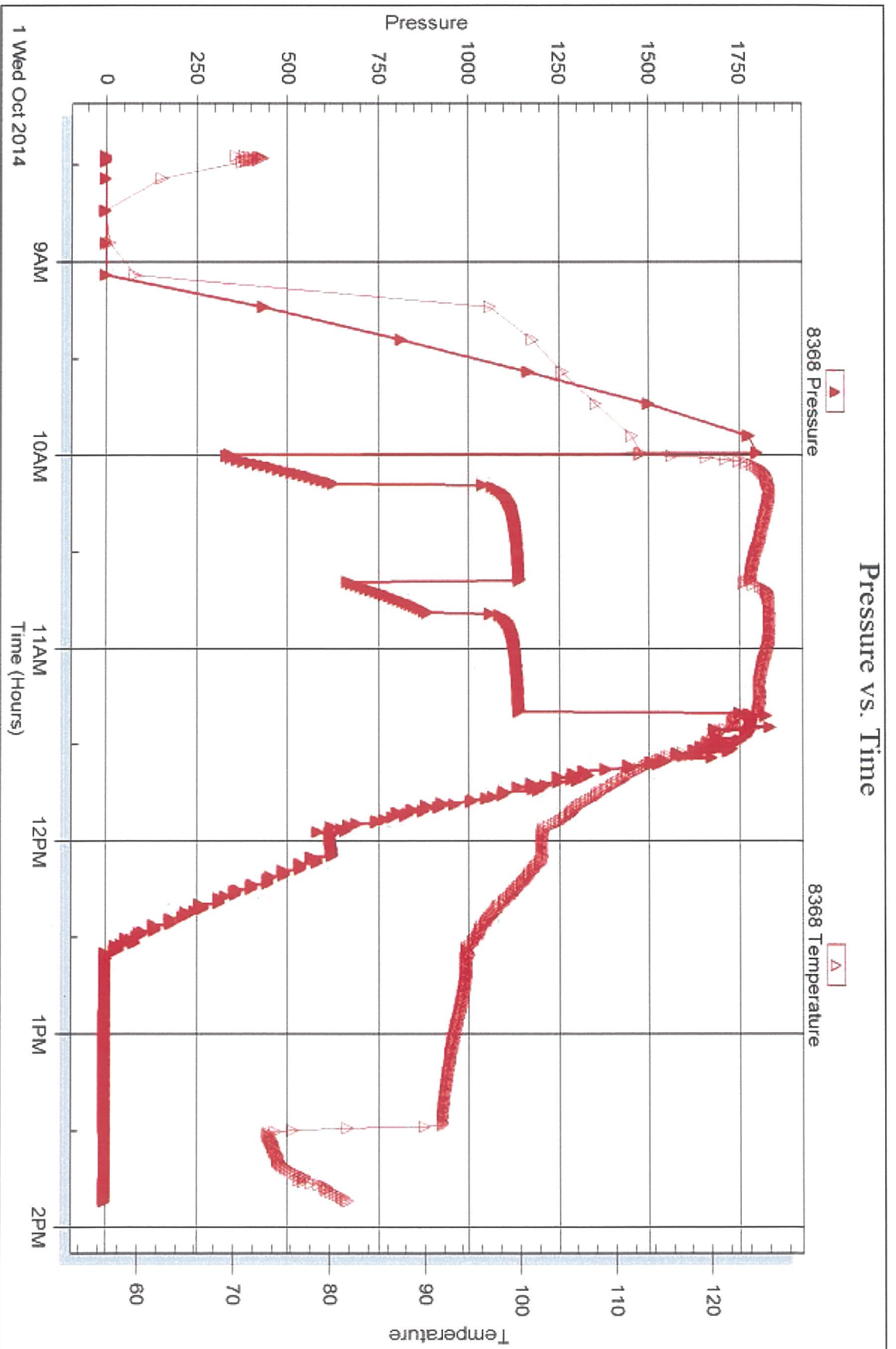
Printed: 2014. 10.09 @ 16:49:06

Serial #: 8368

Palomino Petroleum, Inc.

Audrey Schwarz #1

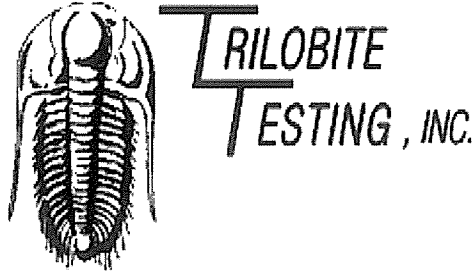
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 58329

Printed: 2014. 10.09 @ 16:49:06



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

Audrey Schwarz #1

6-9s-30w Sheridan,KS

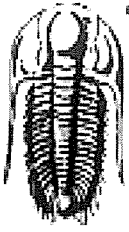
Start Date: 2014.10.02 @ 08:33:00

End Date: 2014.10.02 @ 13:51:30

Job Ticket #: 58330 DST #: 3

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

Printed: 2014.10.09 @ 16:48:39



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58330

DST#: 3

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 08:33:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:07:45

Time Test Ended: 13:51:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 54

Interval: **3980.00 ft (KB) To 4026.00 ft (KB) (TVD)**

Reference Elevations: 2956.00 ft (KB)

Total Depth: 4026.00 ft (KB) (TVD)

2951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6753 Outside

Press@RunDepth: 53.89 psig @ 3981.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.02

End Date:

2014.10.02

Last Calib.: 2014.10.02

Start Time: 08:33:05

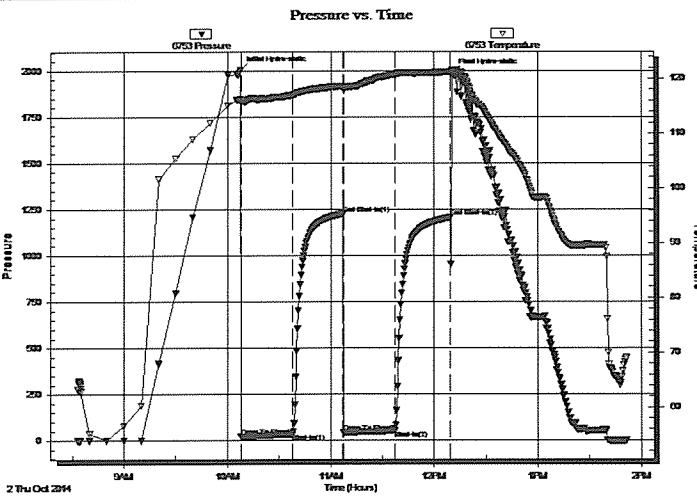
End Time:

13:51:29

Time On Btm: 2014.10.02 @ 10:07:30

Time Off Btm: 2014.10.02 @ 12:10:15

TEST COMMENT: 30 - IF - Surface blow built to 1 1/2"
30 - ISI - No Return
30 - FF - Surface blow built to a weak blow
30 - FSI - No Return



PRESSURE SUMMARY

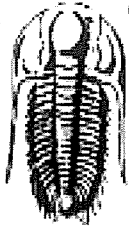
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.01	116.34	Initial Hydro-static
1	21.00	115.77	Open To Flow (1)
31	35.99	117.01	Shut-In(1)
60	1226.55	118.62	End Shut-In(1)
60	43.76	117.78	Open To Flow (2)
90	53.89	120.76	Shut-In(2)
122	1205.97	121.20	End Shut-In(2)
123	1988.73	121.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
94.00	Mud - 100M	0.46

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58330

DST#: 3

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 08:33:00

Tool Information

Drill Pipe:	Length: 3854.87 ft	Diameter: 3.80 inches	Volume: 54.07 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: 122.16 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 54.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.03 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3980.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3958.00	
Hydraulic tool	5.00			3963.00	
Jars	5.00			3968.00	
Safety Joint	3.00			3971.00	
Packer	4.00			3975.00	27.00 Bottom Of Top Packer
Packer	5.00			3980.00	
Stubb	1.00			3981.00	
Recorder	0.00	8368	Inside	3981.00	
Recorder	0.00	6753	Outside	3981.00	
Perforations	8.00			3989.00	
Change Over Sub	1.00			3990.00	
Drill Pipe	31.00			4021.00	
Change Over Sub	1.00			4022.00	
Bullnose	4.00			4026.00	46.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58330

DST#: 3

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 08:33:00

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
94.00	Mud - 100M	0.462

Total Length: 94.00 ft Total Volume: 0.462 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

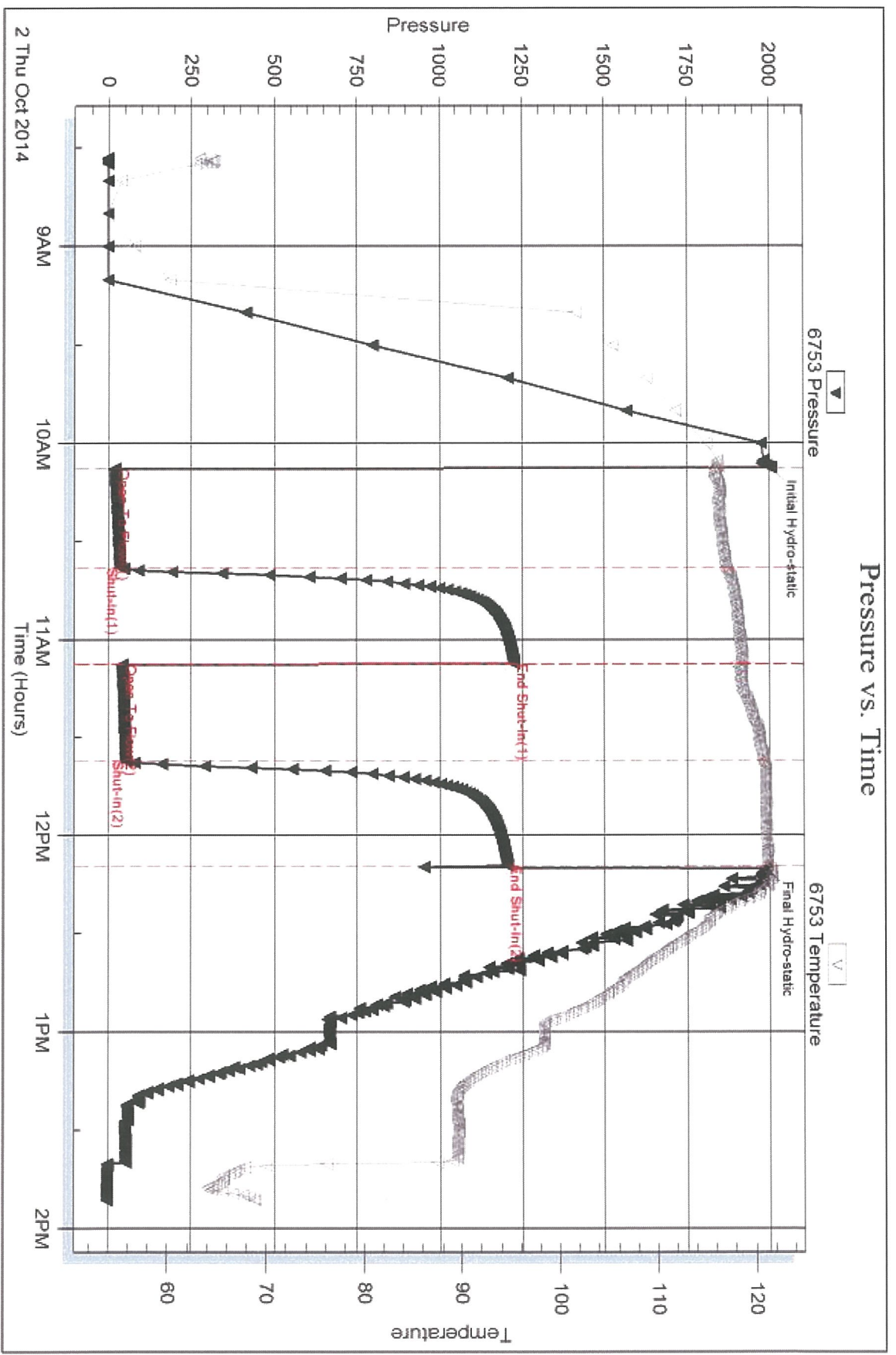
Recovery Comments:

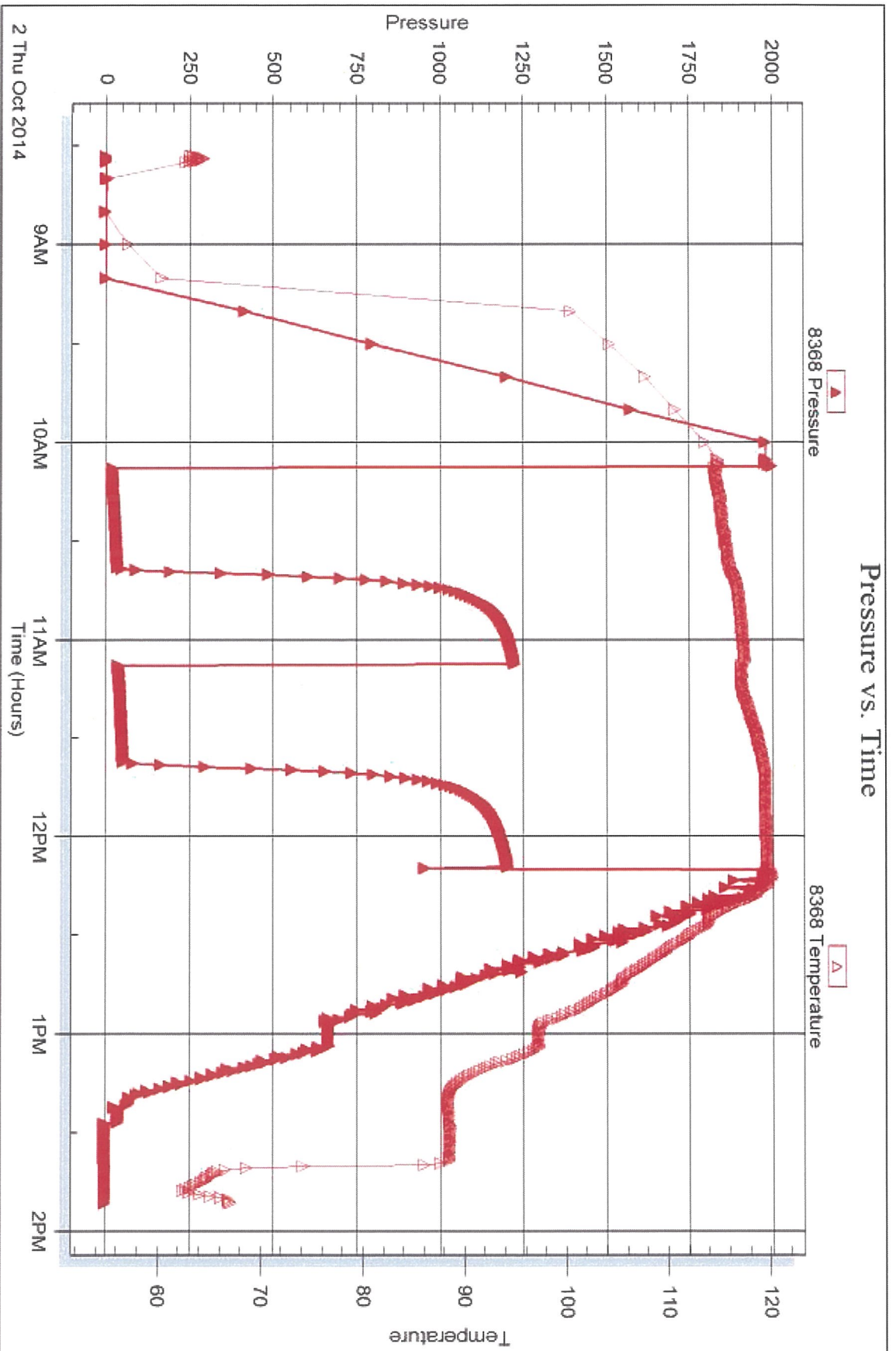
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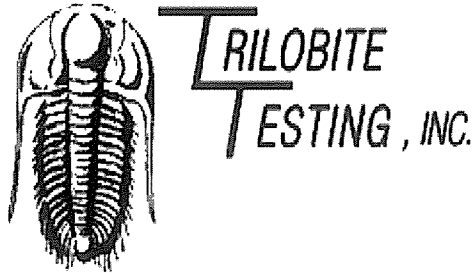
Outside Palomino Petroleum, Inc.

Audrey Schwarz #1

DST Test Number: 3







DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

Audrey Schwarz #1

6-9s-30w Sheridan,KS

Start Date: 2014.10.02 @ 22:20:00

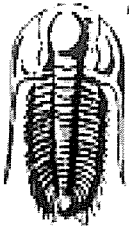
End Date: 2014.10.03 @ 03:35:00

Job Ticket #: 58331 DST #: 4

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

Printed: 2014.10.09 @ 16:46:35

Palomino Petroleum, Inc. 6-9s-30w Sheridan,KS Audrey Schwarz #1 DST # 4 LKC 'C' 2014.10.02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58331

DST#: 4

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 22:20:00

GENERAL INFORMATION:

Formation: **LKC 'C'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:47:00

Time Test Ended: 03:35:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: **4034.00 ft (KB) To 4065.00 ft (KB) (TVD)**

Reference Elevations: 2956.00 ft (KB)

Total Depth: 4065.00 ft (KB) (TVD)

2951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 22.36 psig @ 4035.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.02

End Date:

2014.10.03

Last Calib.: 2014.10.03

Start Time: 22:20:05

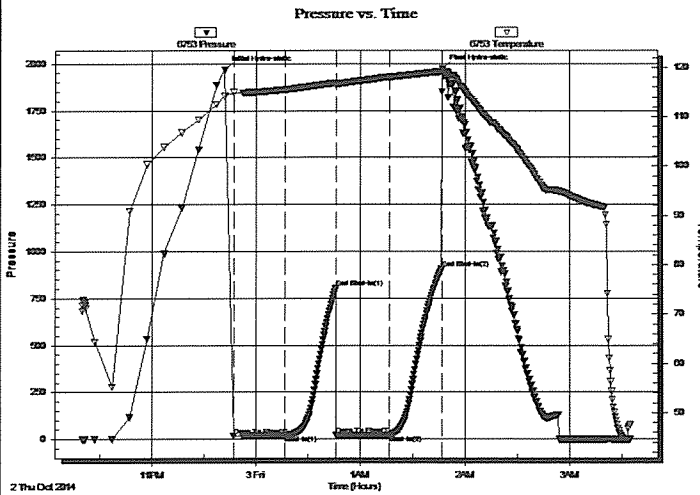
End Time:

03:34:59

Time On Btm: 2014.10.02 @ 23:42:00

Time Off Btm: 2014.10.03 @ 01:47:15

TEST COMMENT: 30 - IF - Surface blow built to 1/2"
30 - ISI - No Return
30 - FF - No Surface blow
30 - FSI - No Return



PRESSURE SUMMARY

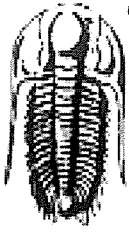
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.39	114.25	Initial Hydro-static
5	17.17	114.99	Open To Flow (1)
35	19.90	115.57	Shut-In(1)
64	805.14	116.92	End Shut-In(1)
65	20.07	116.40	Open To Flow (2)
95	22.36	118.10	Shut-In(2)
125	905.58	119.18	End Shut-In(2)
126	1973.63	119.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58331

DST#: 4

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 22:20:00

Tool Information

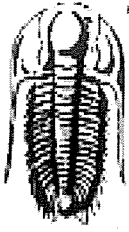
Drill Pipe:	Length: 3886.72 ft	Diameter: 3.80 inches	Volume: 54.52 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.16 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 55.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.88 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4034.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4012.00	
Hydraulic tool	5.00			4017.00	
Jars	5.00			4022.00	
Safety Joint	3.00			4025.00	
Packer	4.00			4029.00	27.00 Bottom Of Top Packer
Packer	5.00			4034.00	
Stubb	1.00			4035.00	
Recorder	0.00	6753	Inside	4035.00	
Recorder	0.00	8368	Outside	4035.00	
Perforations	26.00			4061.00	
Bullnose	4.00			4065.00	31.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 58331

DST#: 4

ATTN: Ryan Seib

Test Start: 2014.10.02 @ 22:20:00

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:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

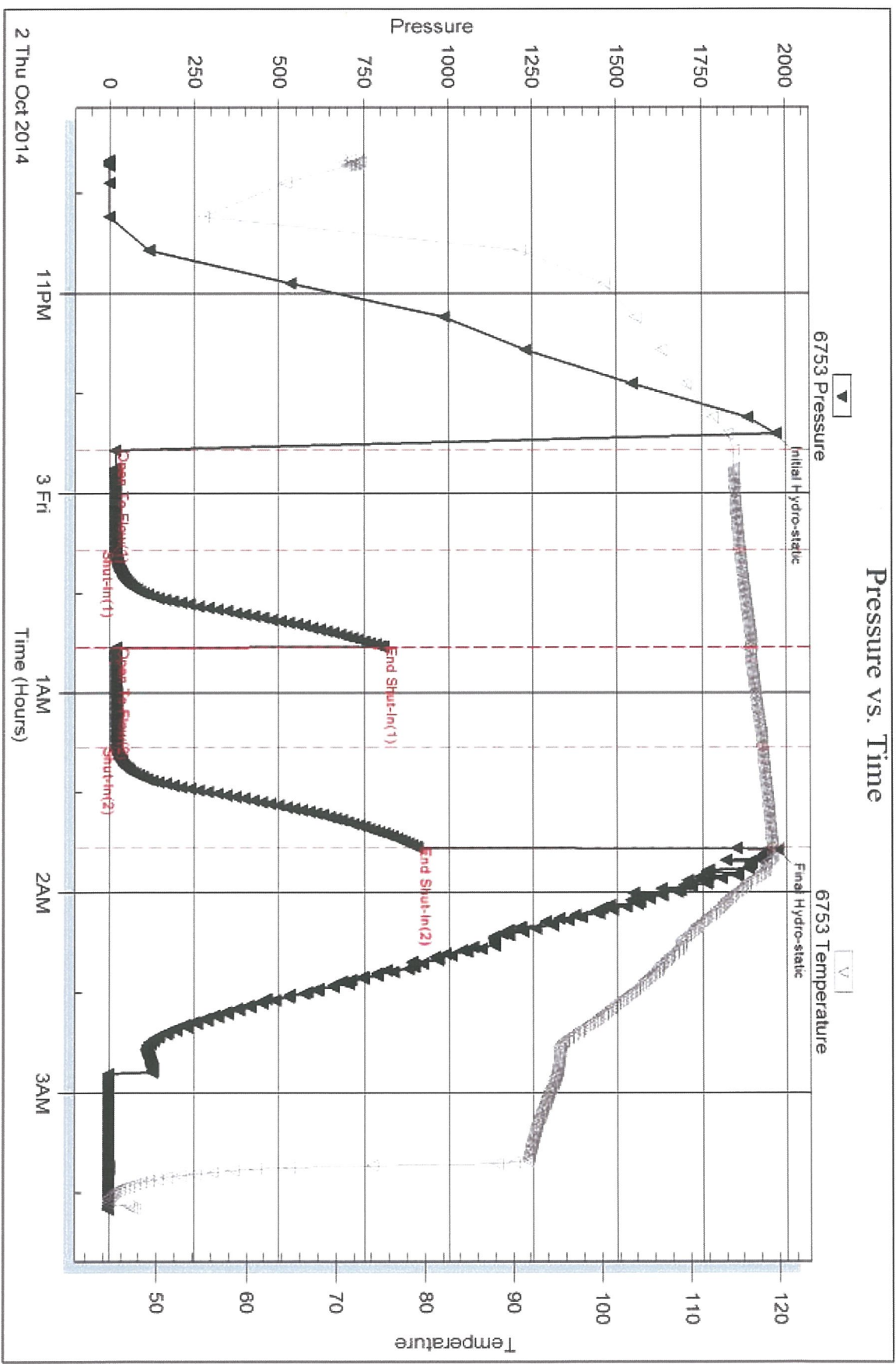
Inside

Palomino Petroleum, Inc.

Audrey Schw arz #1

DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 58331

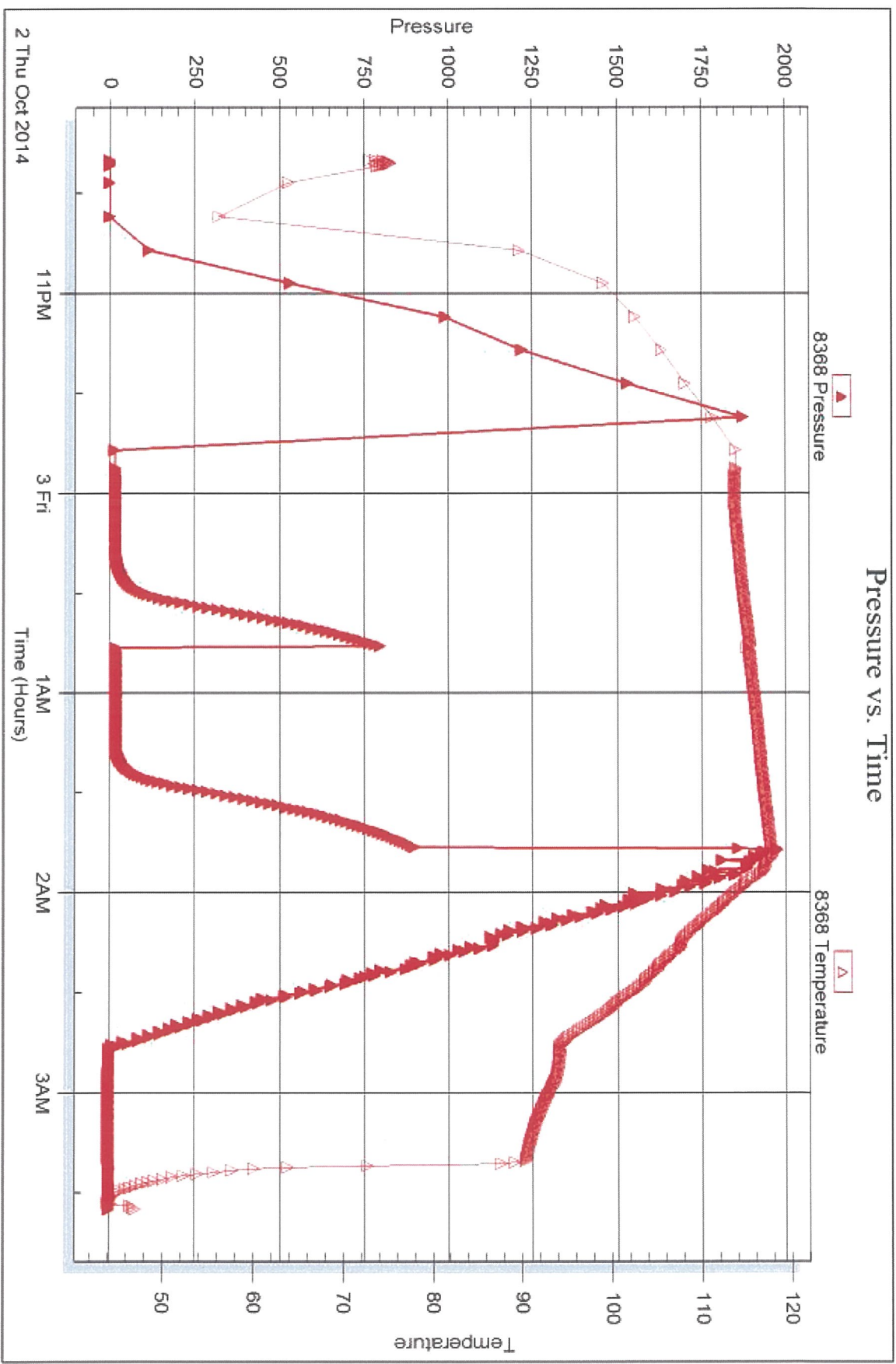
Printed: 2014. 10.09 @ 16:46:36

Serial #: 8368

Outside Palomino Petroleum, Inc.

Audrey Schw arz #1

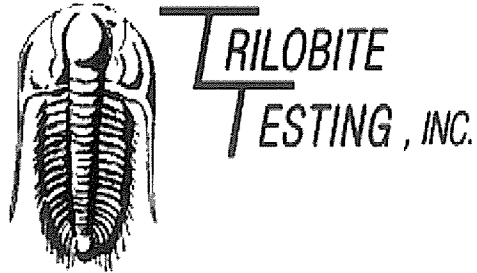
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 58331

Printed: 2014. 10.09 @ 16:46:36



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

Audrey Schwarz #1

6-9s-30w Sheridan,KS

Start Date: 2014.10.03 @ 11:58:00

End Date: 2014.10.03 @ 18:09:30

Job Ticket #: 60146 DST #: 5

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

Printed: 2014.10.09 @ 16:47:34

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

Audrey Schwarz #1

DST # 5

LKC "D-F"

2014.10.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

ATTN: Ryan Seib

Job Ticket: 60146

DST#: 5

Test Start: 2014.10.03 @ 11:58:00

GENERAL INFORMATION:

Formation: **LKC "D- F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:11:45

Time Test Ended: 18:09:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 54

Interval: **4062.00 ft (KB) To 4110.00 ft (KB) (TVD)**

Total Depth: 4110.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2956.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Outside

Press@RunDepth: 312.80 psig @ 4063.00 ft (KB)

Start Date: 2014.10.03

End Date:

2014.10.03

Start Time: 11:58:05

End Time:

18:09:29

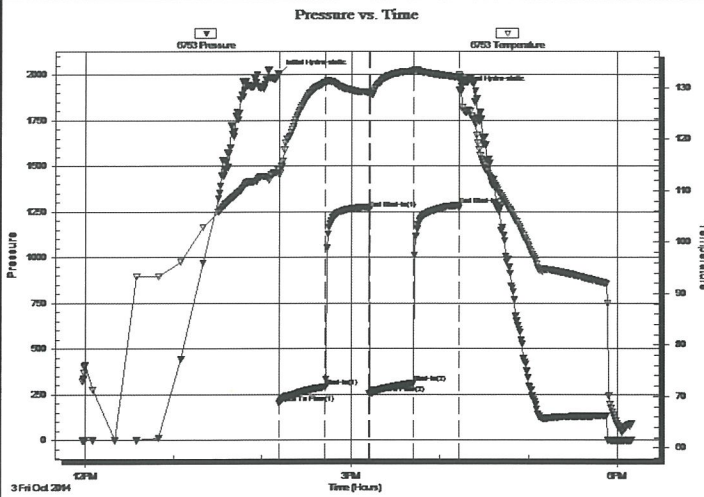
Capacity: 8000.00 psig

Last Calib.: 2014.10.03

Time On Btm: 2014.10.03 @ 14:11:30

Time Off Btm: 2014.10.03 @ 16:13:15

TEST COMMENT: 30 - IF - Strong surface blow built to BOB in 10 min.
30 - ISI - No return
30 - FF - Surface blow built to BOB in 11 min.
30 - FSI - No return



PRESSURE SUMMARY

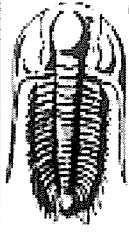
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2004.61	114.11	Initial Hydro-static
1	202.15	113.07	Open To Flow (1)
32	290.90	131.10	Shut-In(1)
61	1265.82	129.08	End Shut-In(1)
61	252.98	128.68	Open To Flow (2)
91	312.80	133.31	Shut-In(2)
122	1284.77	132.05	End Shut-In(2)
122	1914.40	132.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud - 100M	0.30
251.00	MCW - 10M - 90W	2.97
252.00	Watery Mud - 65M - 35W	3.53
5.00	Watery Mud - 60M - 40W	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

ATTN: Ryan Seib

Job Ticket: 60146

DST#: 5

Test Start: 2014.10.03 @ 11:58:00

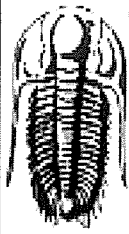
Tool Information

Drill Pipe:	Length: 3914.84 ft	Diameter: 3.80 inches	Volume: 54.91 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: 122.16 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.51 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4062.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4040.00	
Hydraulic tool	5.00			4045.00	
Jars	5.00			4050.00	
Safety Joint	3.00			4053.00	
Packer	4.00			4057.00	27.00 Bottom Of Top Packer
Packer	5.00			4062.00	
Stubb	1.00			4063.00	
Recorder	0.00	8368	Inside	4063.00	
Recorder	0.00	6753	Outside	4063.00	
Perforations	10.00			4073.00	
Change Over Sub	1.00			4074.00	
Drill Pipe	31.00			4105.00	
Change Over Sub	1.00			4106.00	
Bullnose	4.00			4110.00	48.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 60146

DST#: 5

ATTN: Ryan Seib

Test Start: 2014.10.03 @ 11:58:00

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Mud - 100M	0.305
251.00	MCW - 10M - 90W	2.973
252.00	Watery Mud - 65M - 35W	3.535
5.00	Watery Mud - 60M - 40W	0.070

Total Length: 570.00 ft Total Volume: 6.883 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

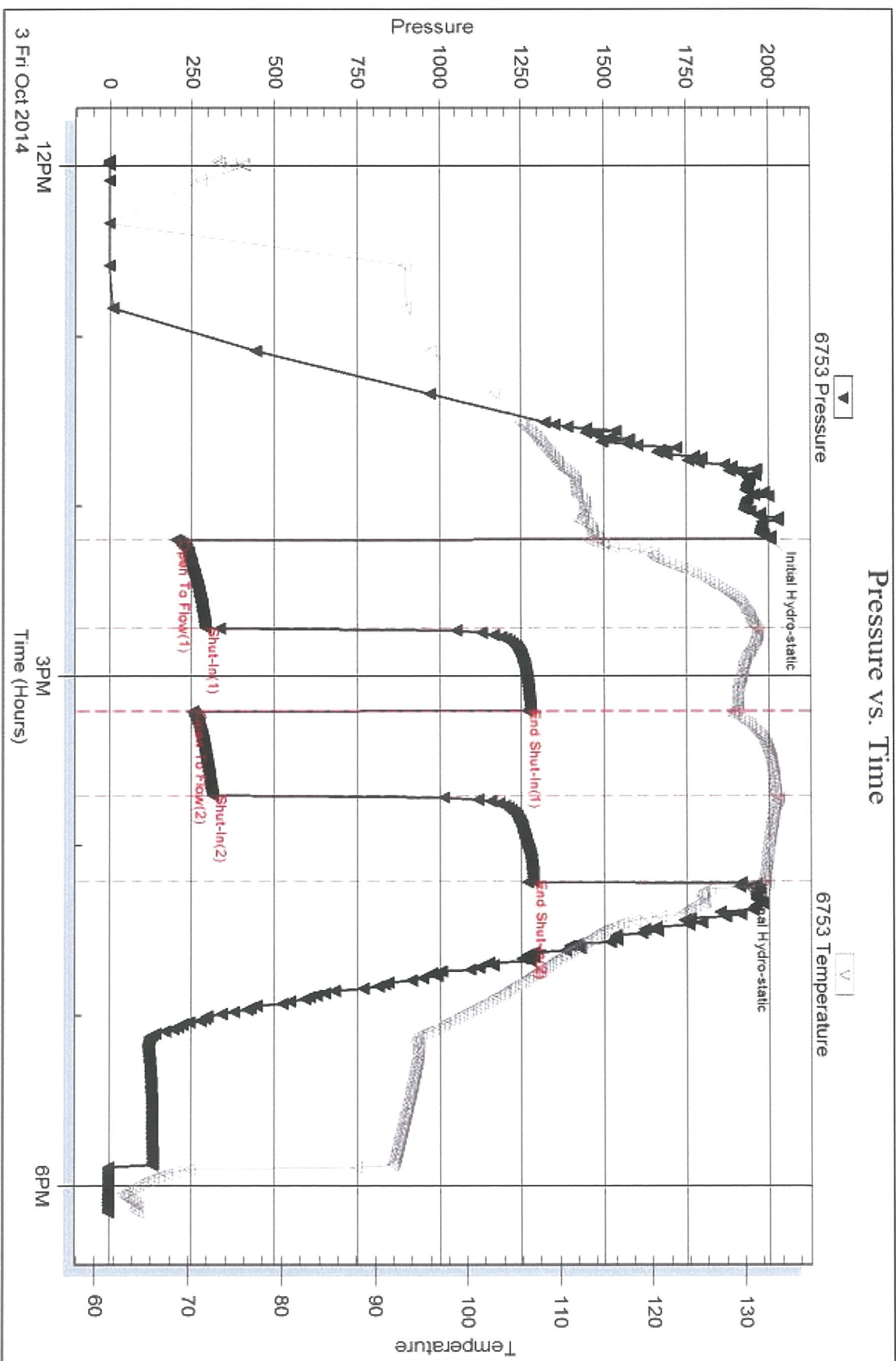
Serial #: 6753

Outside

Palomino Petroleum, Inc.

Audrey Schw arz #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 60146

Printed: 2014 10 09 @ 16:47:35

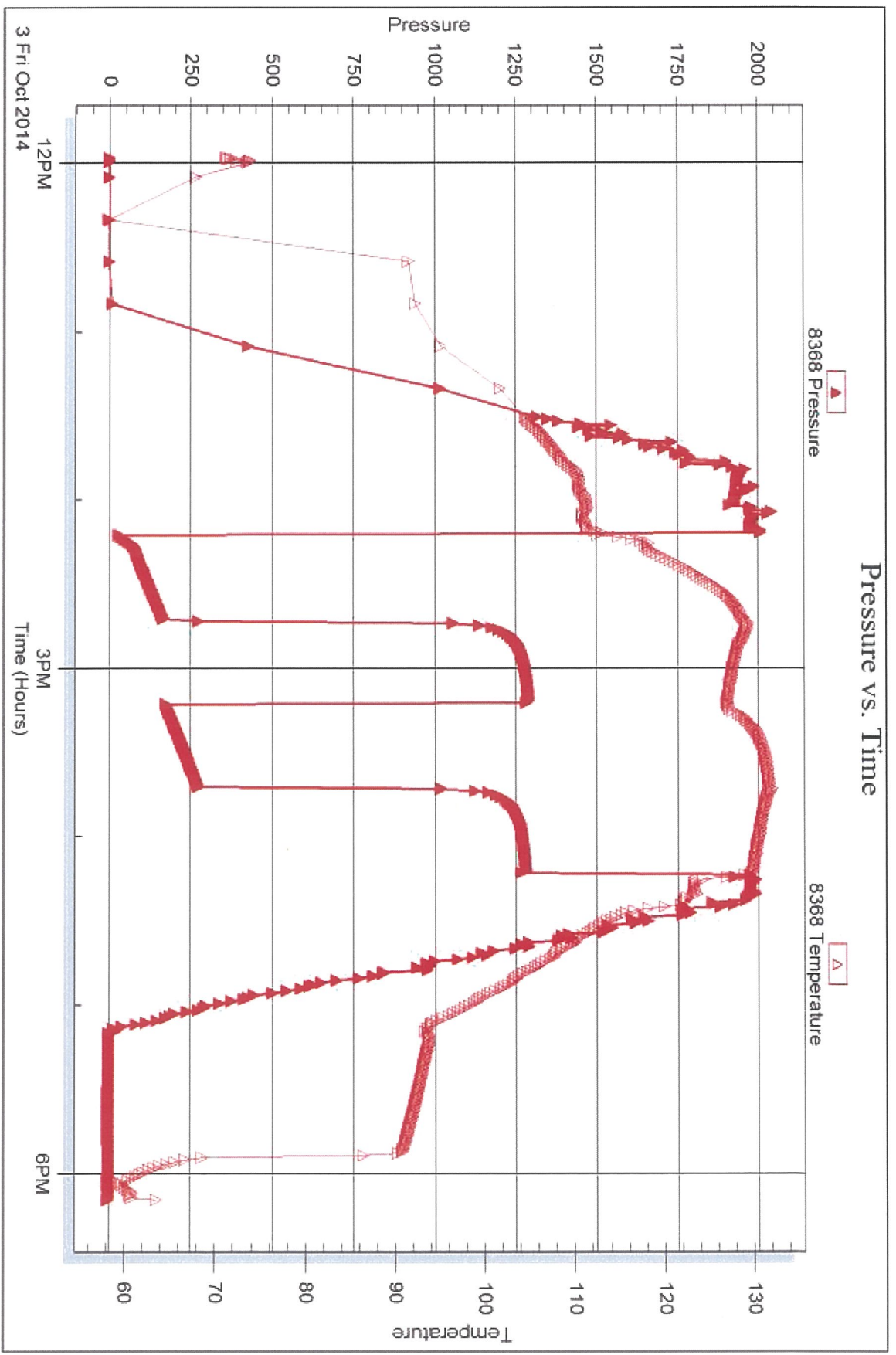
Serial #: 8368

Inside

Palomino Petroleum, Inc.

Audrey Schw arz #1

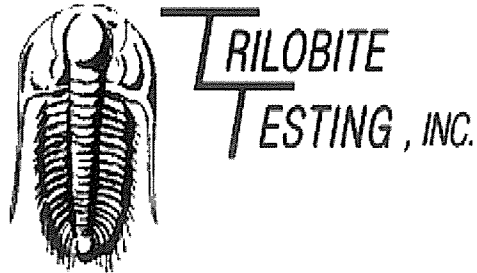
DST Test Number: 5



Tribble Testing, Inc

Ref. No: 60146

Printed: 2014.10.09 @ 16:47:35



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

Audrey Schwarz #1

6-9s-30w Sheridan,KS

Start Date: 2014.10.04 @ 13:58:00

End Date: 2014.10.04 @ 19:42:30

Job Ticket #: 60147 DST #: 6

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

Printed: 2014.10.09 @ 16:45:17

Palomino Petroleum, Inc.

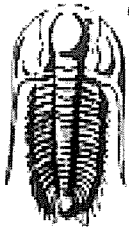
6-9s-30w Sheridan,KS

Audrey Schwarz #1

DST # 6

LKC "H-L"

2014.10.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

6-9s-30w Sheridan, KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 60147

DST#: 6

ATTN: Ryan Seib

Test Start: 2014.10.04 @ 13:58:00

GENERAL INFORMATION:

Formation: **LKC "H-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:53:30

Time Test Ended: 19:42:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 54

Interval: **4136.00 ft (KB) To 4295.00 ft (KB) (TVD)**

Total Depth: 4295.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2956.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Outside

Press@RunDepth: 88.59 psig @ 4137.00 ft (KB)

Start Date: 2014.10.04

End Date:

2014.10.04

Start Time: 13:58:05

End Time:

19:42:29

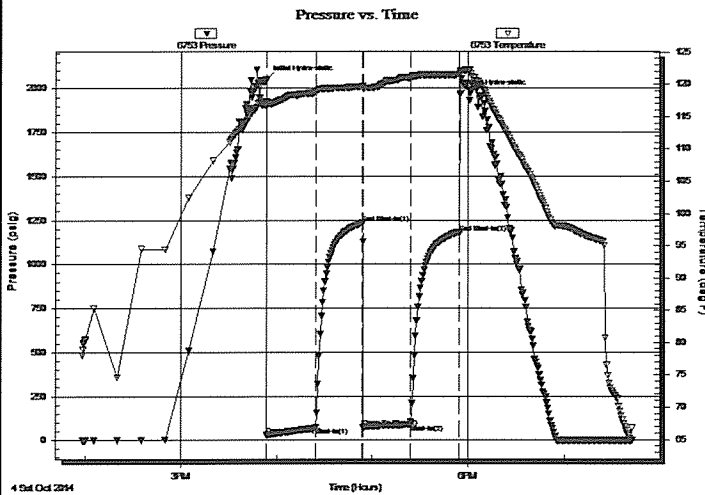
Capacity: 8000.00 psig

Last Calib.: 2014.10.04

Time On Btm: 2014.10.04 @ 15:53:15

Time Off Btm: 2014.10.04 @ 17:55:15

TEST COMMENT: 30 - IF - Weak surface blow built to 3" in 30 min.
30 - ISI - No return
30 - FF - Weak surface blow built to 1 1/2" in 30 min.
30 - FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2049.19	117.40	Initial Hydro-static
1	27.91	116.57	Open To Flow (1)
32	72.68	118.81	Shut-In(1)
61	1233.25	119.64	End Shut-In(1)
62	72.61	119.31	Open To Flow (2)
91	88.59	121.04	Shut-In(2)
122	1175.29	121.49	End Shut-In(2)
122	1969.77	121.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
151.00	Mud - 100M	1.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 60147

DST#: 6

ATTN: Ryan Seib

Test Start: 2014.10.04 @ 13:58:00

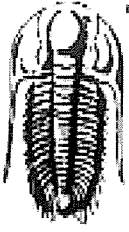
Tool Information

Drill Pipe:	Length: 4013.84 ft	Diameter: 3.80 inches	Volume: 56.30 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: 122.16 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4136.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	159.00 ft			
Tool Length:	186.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4114.00	
Hydraulic tool	5.00			4119.00	
Jars	5.00			4124.00	
Safety Joint	3.00			4127.00	
Packer	4.00			4131.00	27.00 Bottom Of Top Packer
Packer	5.00			4136.00	
Stubb	1.00			4137.00	
Recorder	0.00	8368	Inside	4137.00	
Recorder	0.00	6753	Outside	4137.00	
Perforations	26.00			4163.00	
Change Over Sub	1.00			4164.00	
Drill Pipe	126.00			4290.00	
Change Over Sub	1.00			4291.00	
Bullnose	4.00			4295.00	159.00 Bottom Packers & Anchor

Total Tool Length: 186.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

6-9s-30w Sheridan,KS

4924 SE 84th St
New ton KS 67114

Audrey Schwarz #1

Job Ticket: 60147

DST#: 6

ATTN: Ryan Seib

Test Start: 2014.10.04 @ 13:58:00

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 71.90 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
151.00	Mud - 100M	1.005

Total Length: 151.00 ft Total Volume: 1.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

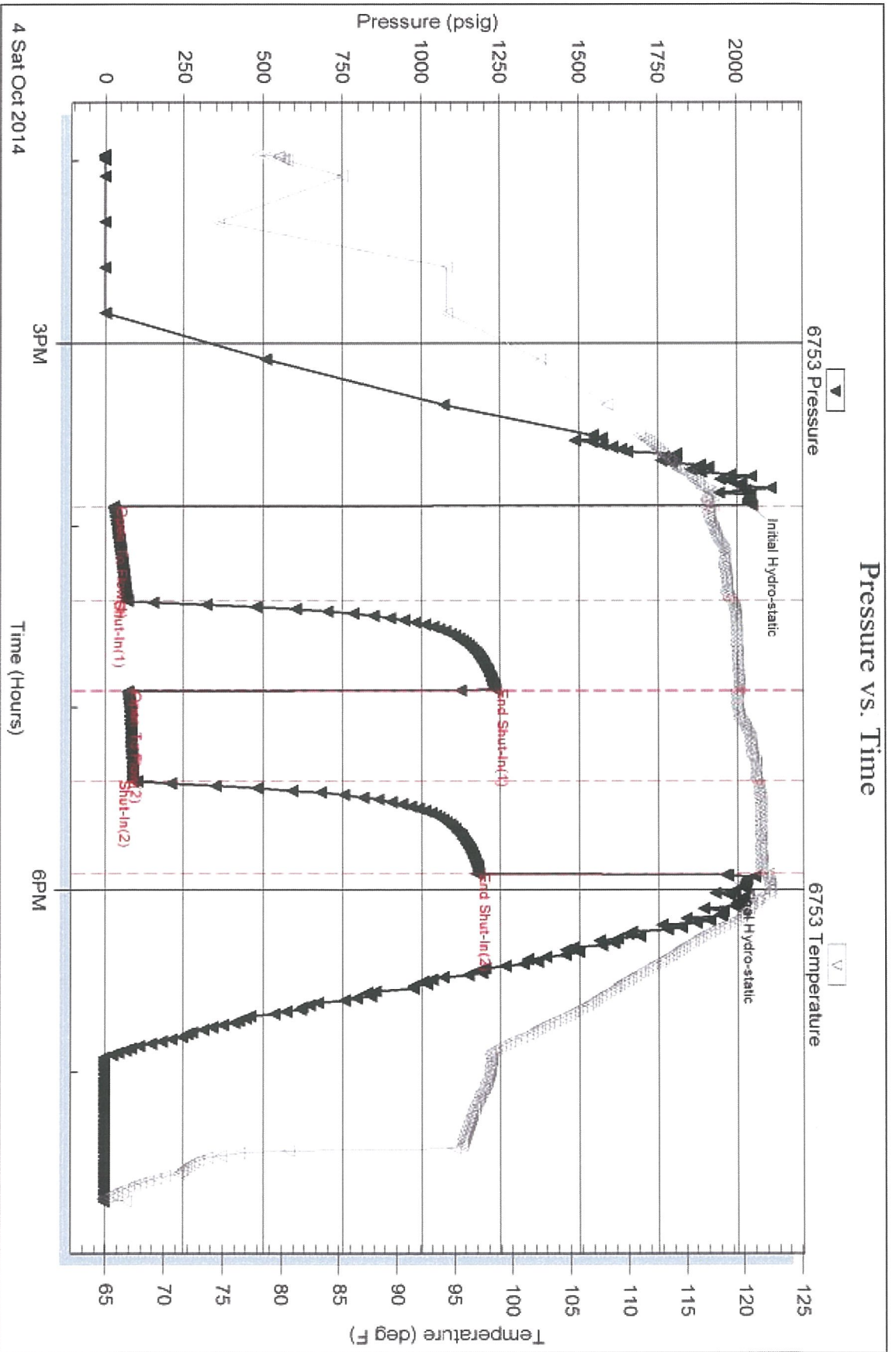
Outside

Palomino Petroleum, Inc.

Audrey Schwarz #1

DST Test Number: 6

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 60147

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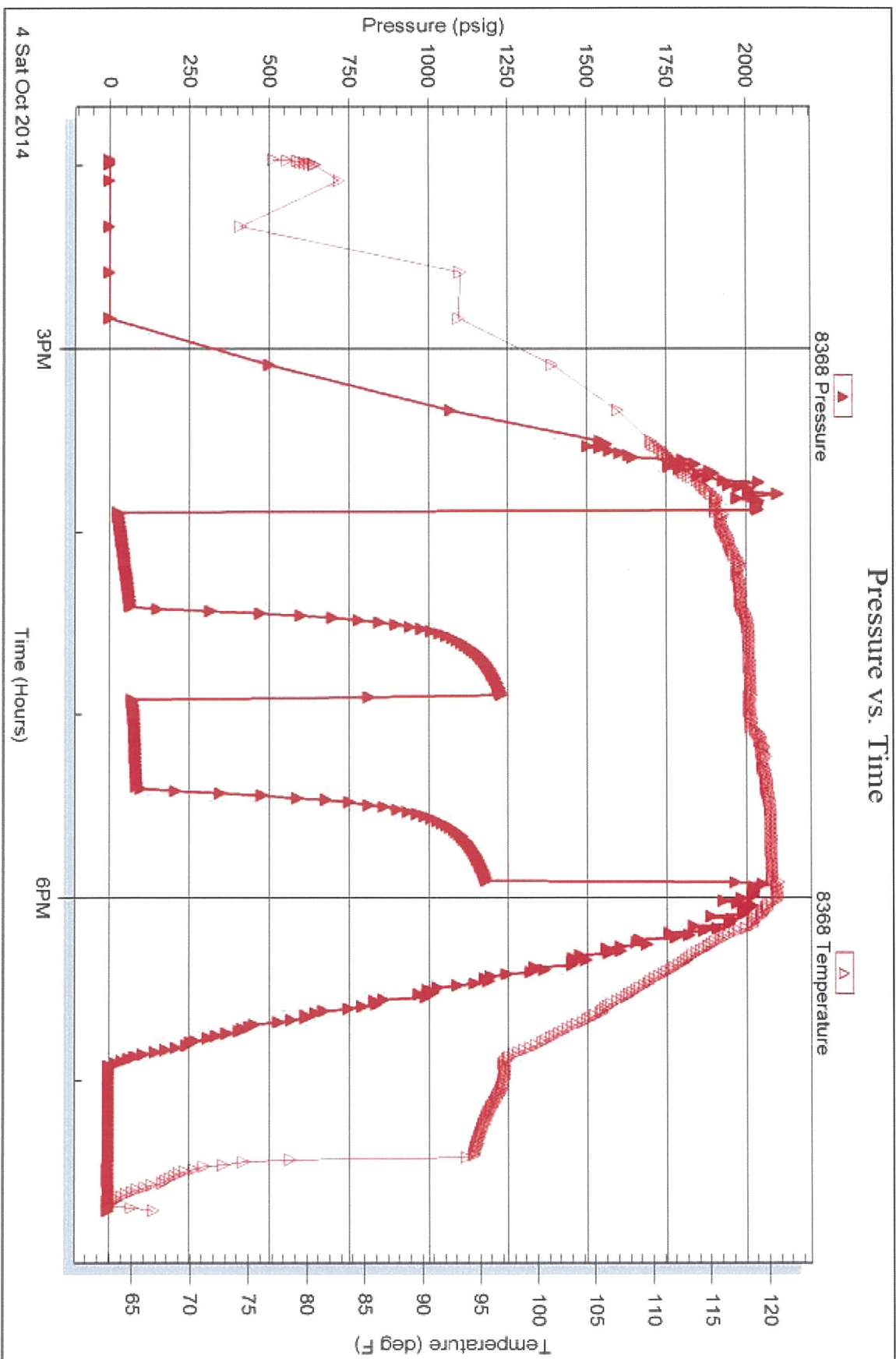
Serial #: 8368

Inside

Palomino Petroleum, Inc.

Audrey Schw arz #1

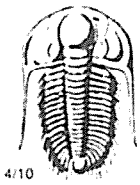
DST Test Number: 6



Triobite Testing, Inc

Ref. No: 60147

Printed: 2014, 10 09 @ 16:45:18



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58328

Well Name & No. Audrey Schwarz #1 Test No. 1 Date 9-30-14
 Company Palomino Petroleum Inc. Elevation 2956 KB 2951 GL
 Address 4924 SE 84th St, Newton KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 6 Twp. 9S Rge. 30W Co. Sheridan State KS

Interval Tested 3546 - 3629 Zone Tested stotler
 Anchor Length 83' Drill Pipe Run 3415.28' Mud Wt. 8.8
 Top Packer Depth 3541 Drill Collars Run ~~124.11~~ 122.16' Vis 54
 Bottom Packer Depth 3546 Wt. Pipe Run 0 WL 6.2
 Total Depth 3629 Chlorides 1500 ppm System LCM 1#

Blow Description IF - Surface blow built to a weak surface and there
ISI - No Return
FF - No Surface blow
FST - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>OSM</u>	<u>Few Spots</u>		<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT 114° F Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

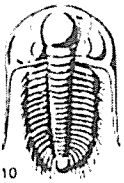
(A) Initial Hydrostatic 1715 Test 1150 T-On Location 1:20pm
 (B) First Initial Flow 19 Jars 250 T-Started 4:05pm
 (C) First Final Flow 26 Safety Joint 75 T-Open 6:18pm
 (D) Initial Shut-In 924 Circ Sub N/C T-Pulled 8:18pm
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 9:56pm
 (F) Second Final Flow 32 Mileage 82 R/T 127.10 Comments _____
 (G) Final Shut-In 874 Sampler _____
 (H) Final Hydrostatic 1718 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

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

Sub Total 1852.10
 Total 1852.10
 MP/DST Disc't _____

Approved By _____ Our Representative Ryan Seib

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58329

Well Name & No. Andrey Schwarz #1 Test No. 2 Date 10-1-14
 Company Palomina Petroleum, Inc. Elevation 2956 KB 2951 GL
 Address 4924 SE 84th St. Newton Ks 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 6 Twp. 9S Rge. 30W Co. Sheridan State Ks

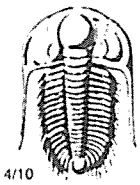
Interval Tested 3666-3771 Zone Tested Tarkio
 Anchor Length 105' Drill Pipe Run 3539.92 Mud Wt. 8.8
 Top Packer Depth 3666 Drill Collars Run 122.16' Vis 54
 Bottom Packer Depth 3666 Wt. Pipe Run 0 WL 6.2
 Total Depth 3771 Chlorides 1500 ppm System LCM 1#
 Blow Description IF-Surface blow built to bottom of bucket in 1min.
IST-No Return
FF-Surface blow built to bottom of bucket in 1min.
FST-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>262</u>	<u>wm</u>		<u>50</u>	<u>50</u>	
<u>315</u>	<u>mw</u>		<u>65</u>	<u>35</u>	
<u>1260</u>	<u>mw</u>		<u>95</u>	<u>5</u>	

Rec Total 1837 BHT 126°F Gravity _____ API RW .165 @ 77 °F Chlorides 42000 ppm

(A) Initial Hydrostatic 1801 Test 1150 T-On Location 8:00 am
 (B) First Initial Flow 331 Jars 250 T-Started 8:27 am
 (C) First Final Flow 638 Safety Joint 75 T-Open 9:59 am
 (D) Initial Shut-In 1143 Circ Sub N/C T-Pulled 11:19 am
 (E) Second Initial Flow 675 Hourly Standby _____ T-Out 1:52
 (F) Second Final Flow 893 Mileage 82 R/T 127.10 Comments _____
 (G) Final Shut-In 1141 Sampler _____
 (H) Final Hydrostatic 1752 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 10 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1852.10
 Final Flow 10 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1852.10

Approved By _____ Our Representative Ryan Seib
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58330

Well Name & No. Audrey Schwarz #1 Test No. 3 Date 10-2-14
 Company Palomina Petroleum, Inc. Elevation 2956 KB 2951 GL
 Address 4924 SE 84th St, Newton Ks 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 6 Twp. 9S Rge. 30W Co. Sheridan State KS

Interval Tested 3980 - 4026 Zone Tested Toronto
 Anchor Length 46' Drill Pipe Run 3854.87' Mud Wt. 9.3
 Top Packer Depth 3975 Drill Collars Run 122.16' Vis 55
 Bottom Packer Depth 3980 Wt. Pipe Run 0 WL 6.4
 Total Depth 4026 Chlorides 1900 ppm System LCM 1#

Blow Description IF - Surface blow built to 1 1/2"
ISI - No Return
FF - Surface blow built to a weak blow
FST - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>94'</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

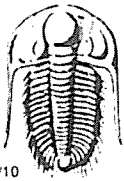
Rec Total 94' BHT 121°F Gravity @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2005 Test 1250 T-On Location 8:15am
 (B) First Initial Flow 21 Jars 250 T-Started 8:33am
 (C) First Final Flow 35 Safety Joint 75 T-Open 10:07am
 (D) Initial Shut-In 1226 Circ Sub N/C T-Pulled 12:07pm
 (E) Second Initial Flow 43 Hourly Standby _____ T-Out 1:52pm
 (F) Second Final Flow 53 Mileage 82 R/T 127.10 Comments _____
 (G) Final Shut-In 1205 Sampler _____
 (H) Final Hydrostatic 1988 Straddle _____

Initial Open 30 Shale Packer 250 Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Sub Total 1952.10 Total 1952.10 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58331

Well Name & No. Audrey Schwarz #1 Test No. 4 Date 10-2-14
 Company Palomino Petroleum Elevation 2956 KB 2957 GL
 Address 4924 SE 84th St, Newton KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 10 Twp. 9S Rge. 30W Co. Sheridan State KS

Interval Tested 4034-4065 Zone Tested Lansing - 'C'
 Anchor Length 31' Drill Pipe Run 3886.72' Mud Wt. 9.3
 Top Packer Depth 4029 Drill Collars Run 122.16 Vis 55
 Bottom Packer Depth 4034 Wt. Pipe Run 0 WL 9.6
 Total Depth 4065 Chlorides 2000 ppm System LCM 1#

Blow Description IF - Surface blow built to 1/2"
ISI - No Return
FF - No Surface blow
FST - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</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

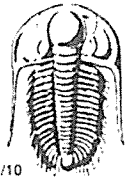
Rec Total 5' BHT 119°F Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1969 Test 1250 T-On Location 10:00 pm
 (B) First Initial Flow 17 Jars 250 T-Started 10:20 pm
 (C) First Final Flow 19 Safety Joint 75 T-Open 11:46 pm
 (D) Initial Shut-In 805 Circ Sub N/C T-Pulled 1:46 am
 (E) Second Initial Flow 20 Hourly Standby _____ T-Out 3:35 am
 (F) Second Final Flow 22 Mileage 82 R/T 127.10 Comments _____
 (G) Final Shut-In 905 Sampler _____
 (H) Final Hydrostatic 1973 Straddle _____

Initial Open 30 Shale Packer 250 Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Sub Total 1952.10 Total 1952.10 MP/DST Disc't _____

Approved By _____ Our Representative Ryan Seib

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60146

Well Name & No. Audrey Schwarz #1 Test No. 5 Date 10-3-14
 Company Palomino Petroleum Elevation 295F KB 2951 GL
 Address 1924 SE 84th St. Newton, KS, 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 6 Twp. 9S Rge. 30W Co. Sheridan State KS

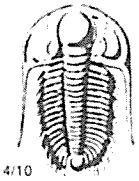
Interval Tested 4062' - 4110' Zone Tested ensing "D.E. & F"
 Anchor Length 48' Drill Pipe Run 3914.84 Mud Wt. 9.2
 Top Packer Depth 4057' Drill Collars Run 122.15 Vis 46
 Bottom Packer Depth 4062' Wt. Pipe Run 0 WL 2.8
 Total Depth 4110' Chlorides 2200 ppm System LCM #1
 Blow Description IF - Strong surface blow built to BoB in 10 min.
IST - NO return
FF - Surface blow built to BoB in 11 min.
FSI - NO return

Rec	Feet of	%gas	%oil	%water	%mud
5'	Watery mud		40%	60%	
252	Watery mud		35%	65%	
251	mcw		90%	10%	
62	mud			100%	

Rec Total 570' BHT 132 Gravity 1250.00 API RW 182 @ 65 °F Chlorides 44,000 ppm
 (A) Initial Hydrostatic 2004.61 Test
 (B) First Initial Flow 202.15 Jars 250
 (C) First Final Flow 290.90 Safety Joint 75
 (D) Initial Shut-In 1265.82 Circ Sub N/C
 (E) Second Initial Flow 252.98 Hourly Standby
 (F) Second Final Flow 312.80 Mileage 22 R/T 127.10
 (G) Final Shut-In 1284.77 Sampler
 (H) Final Hydrostatic 1914.40 Straddle
 Shale Packer 250 Ruined Shale Packer
 Extra Packer Ruined Packer
 Extra Recorder Extra Copies
 Day Standby Sub Total 0
 Accessibility Total 1952.10
 Sub Total 1952.10 MP/DST Disc't

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

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60147

Well Name & No. Audrey Schwarz #1 Test No. 6 Date 10-4-14
 Company Galomino Petroleum Elevation 2956 KB 2951 GL
 Address 4924 SE 84th St. Newton, KS, 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. E Twp. 9S Rge. 30W Co. Sheridan State KS

Interval Tested 4136'-4295' Zone Tested Lansing "H, I, J, K, & L"
 Anchor Length 159' Drill Pipe Run 4013.89 Mud Wt. 9.3
 Top Packer Depth 4131' Drill Collars Run 122.16 Vis 54
 Bottom Packer Depth 4136' Wt. Pipe Run 0 WL 72
 Total Depth 4295' Chlorides 2,000 ppm System LCM #1

Blow Description IF - Weak surface blow built to 3/4 in. in 30 min.
ISI - No return
FF - weak surface blow built to 1 1/2 in. in 30 min.
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>151</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 151 BHT 122 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2049.19</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>11:28am</u>
(B) First Initial Flow <u>27.91</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:58pm</u>
(C) First Final Flow <u>72.68</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:54pm</u>
(D) Initial Shut-In <u>1233.25</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>5:54pm</u>
(E) Second Initial Flow <u>72.61</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:43pm</u>
(F) Second Final Flow <u>88.59</u>	<input checked="" type="checkbox"/> Mileage <u>82 R/T</u> 127.10	Comments _____
(G) Final Shut-In <u>1175.29</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1969.77</u>	<input type="checkbox"/> Straddle	

Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1952.10</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1952.10</u>	

Approved By _____ Our Representative [Signature]

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