



DRILL STEM TEST REPORT

Prepared For: **Damar Resources Inc.**

PO Box 70
Hays KS 67601

ATTN: Randy Kilian

Windholz #2

3-12s-17w Ellis,KS

Start Date: 2013.10.14 @ 08:55:00

End Date: 2013.10.14 @ 16:15:30

Job Ticket #: 55302 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.10.16 @ 13:35:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Damar Resources Inc.

3-12s-17w Ellis,KS

PO Box 70
Hays KS 67601

Windholz #2

Job Ticket: 55302

DST#: 1

ATTN: Randy Kilian

Test Start: 2013.10.14 @ 08:55:00

GENERAL INFORMATION:

Formation: **Toronto-KC"G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:00

Time Test Ended: 16:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3304.00 ft (KB) To 3460.00 ft (KB) (TVD)

Reference Elevations: 2125.00 ft (KB)

Total Depth: 3460.00 ft (KB) (TVD)

2120.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press @ Run Depth: 124.44 psig @ 3310.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.14

End Date:

2013.10.14

Last Calib.: 2013.10.14

Start Time: 08:55:05

End Time:

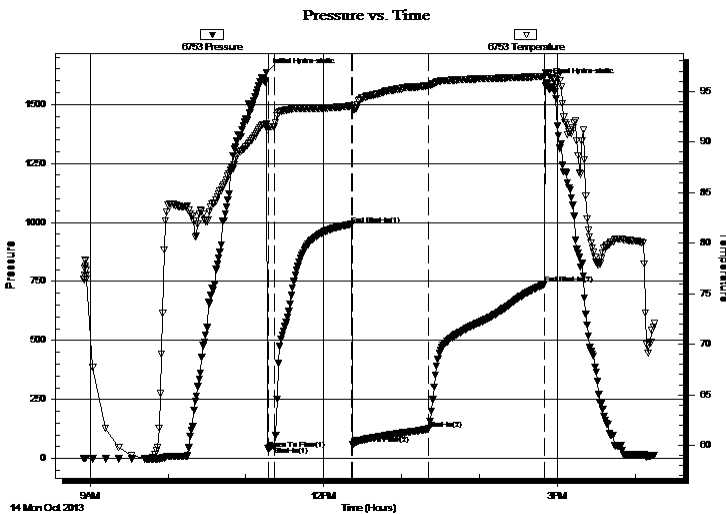
16:15:29

Time On Btm: 2013.10.14 @ 11:16:00

Time Off Btm: 2013.10.14 @ 14:51:30

TEST COMMENT: IF-5" blow
ISI-No blow
FF-BOB in 10 min
FSI-5" blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.47	91.77	Initial Hydro-static
1	41.22	91.23	Open To Flow (1)
6	52.56	91.53	Shut-In(1)
65	991.82	93.55	End Shut-In(1)
66	60.07	93.30	Open To Flow (2)
125	124.44	95.56	Shut-In(2)
214	739.08	96.46	End Shut-In(2)
216	1590.67	96.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	SGOCM 5%G 30%O 65%M	2.39
65.00	GOCM 20%G 20%O 60%M	0.91

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Damar Resources Inc.

3-12s-17w Ellis,KS

PO Box 70
Hays KS 67601

Windholz #2

Job Ticket: 55302

DST#: 1

ATTN: Randy Kilian

Test Start: 2013.10.14 @ 08:55:00

GENERAL INFORMATION:

Formation: **Toronto-KC"G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:00

Time Test Ended: 16:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3304.00 ft (KB) To 3460.00 ft (KB) (TVD)

Reference Elevations: 2125.00 ft (KB)

Total Depth: 3460.00 ft (KB) (TVD)

2120.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 3310.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.14 End Date: 2013.10.14

Last Calib.: 2013.10.14

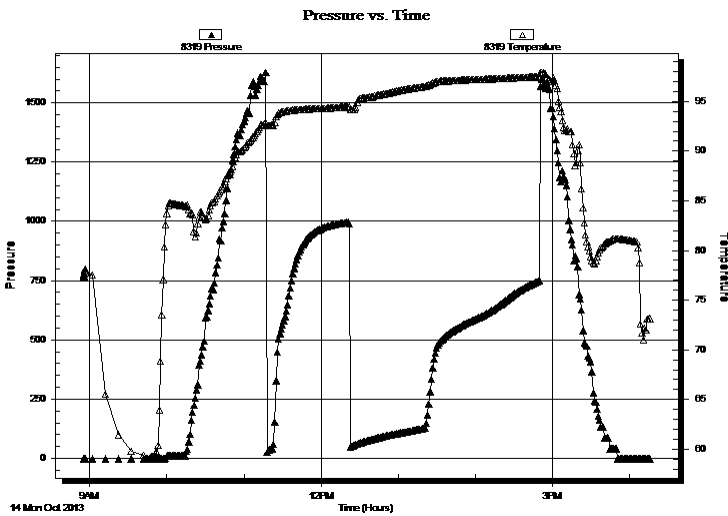
Start Time: 08:55:05 End Time: 16:16:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-5" blow
ISI-No blow
FF-BOB in 10 min
FSI-5" blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
190.00	SGOCM 5%G 30%O 65%M	2.39
65.00	GOCM 20%G 20%O 60%M	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Resources Inc.

3-12s-17w Ellis, KS

PO Box 70
Hays KS 67601

Windholz #2

Job Ticket: 55302

DST#: 1

ATTN: Randy Kilian

Test Start: 2013.10.14 @ 08:55:00

Tool Information

Drill Pipe:	Length: 3305.00 ft	Diameter: 3.80 inches	Volume: 46.36 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	55.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3304.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	156.00 ft			
Tool Length:	180.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3281.00	
Shut In Tool	5.00			3286.00	
Hydraulic tool	5.00			3291.00	
Safety Joint	3.00			3294.00	
Packer	5.00			3299.00	24.00 Bottom Of Top Packer
Packer	5.00			3304.00	
Stubb	1.00			3305.00	
Perforations	5.00			3310.00	
Recorder	0.00	6753	Inside	3310.00	
Recorder	0.00	8319	Outside	3310.00	
Change Over Sub	1.00			3311.00	
Drill Pipe	127.00			3438.00	
Change Over Sub	1.00			3439.00	
Perforations	18.00			3457.00	
Bullnose	3.00			3460.00	156.00 Bottom Packers & Anchor

Total Tool Length: 180.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Resources Inc.

3-12s-17w Ellis,KS

PO Box 70
Hays KS 67601

Windholz #2

Job Ticket: 55302

DST#: 1

ATTN: Randy Kilian

Test Start: 2013.10.14 @ 08:55:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
190.00	SGOCM 5%G 30%O 65%M	2.392
65.00	GOCM 20%G 20%O 60%M	0.912

Total Length: 255.00 ft Total Volume: 3.304 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

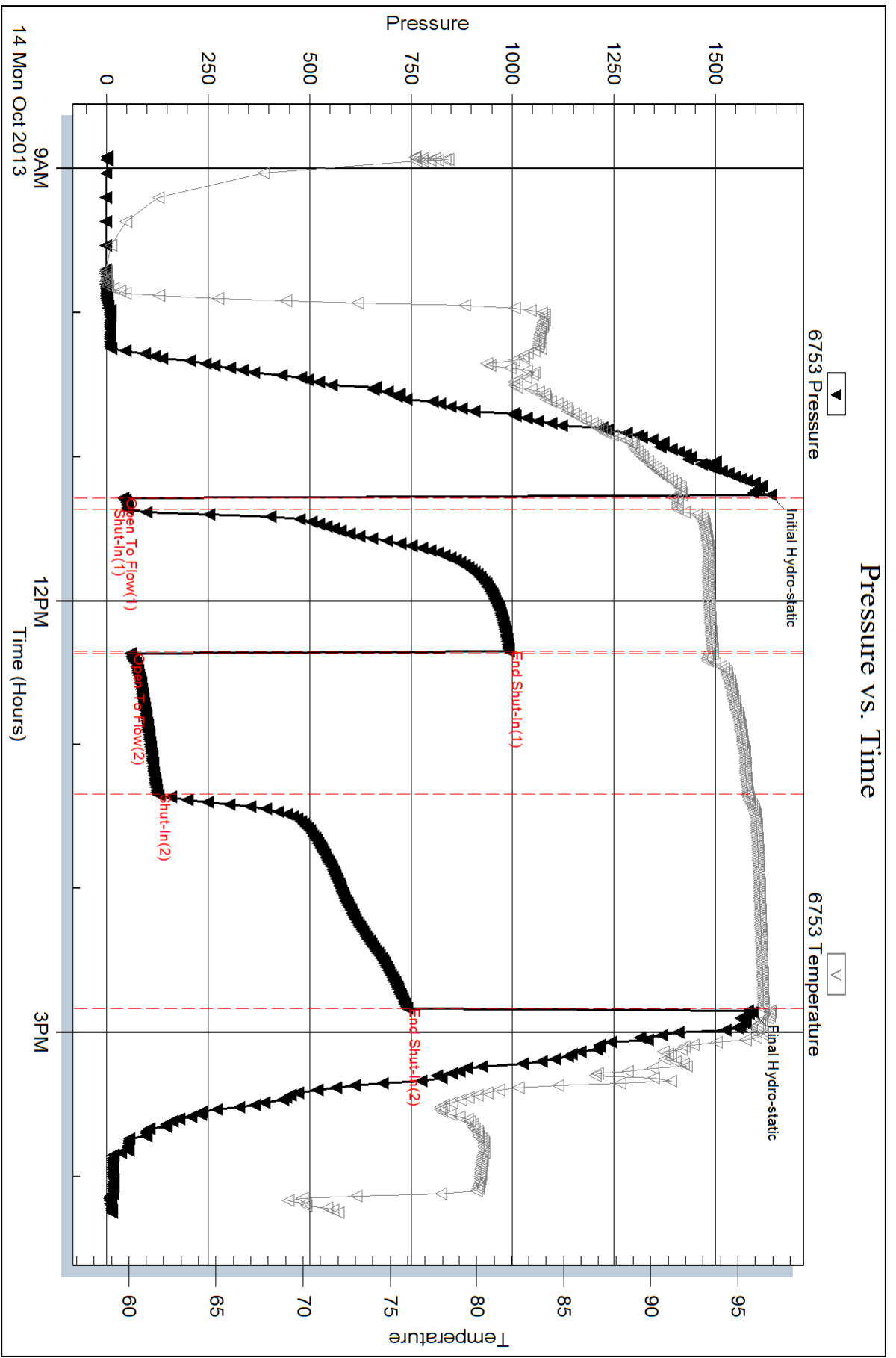
Serial #: 6753

Inside

Damar Resources Inc.

Windhoz #2

DST Test Number: 1

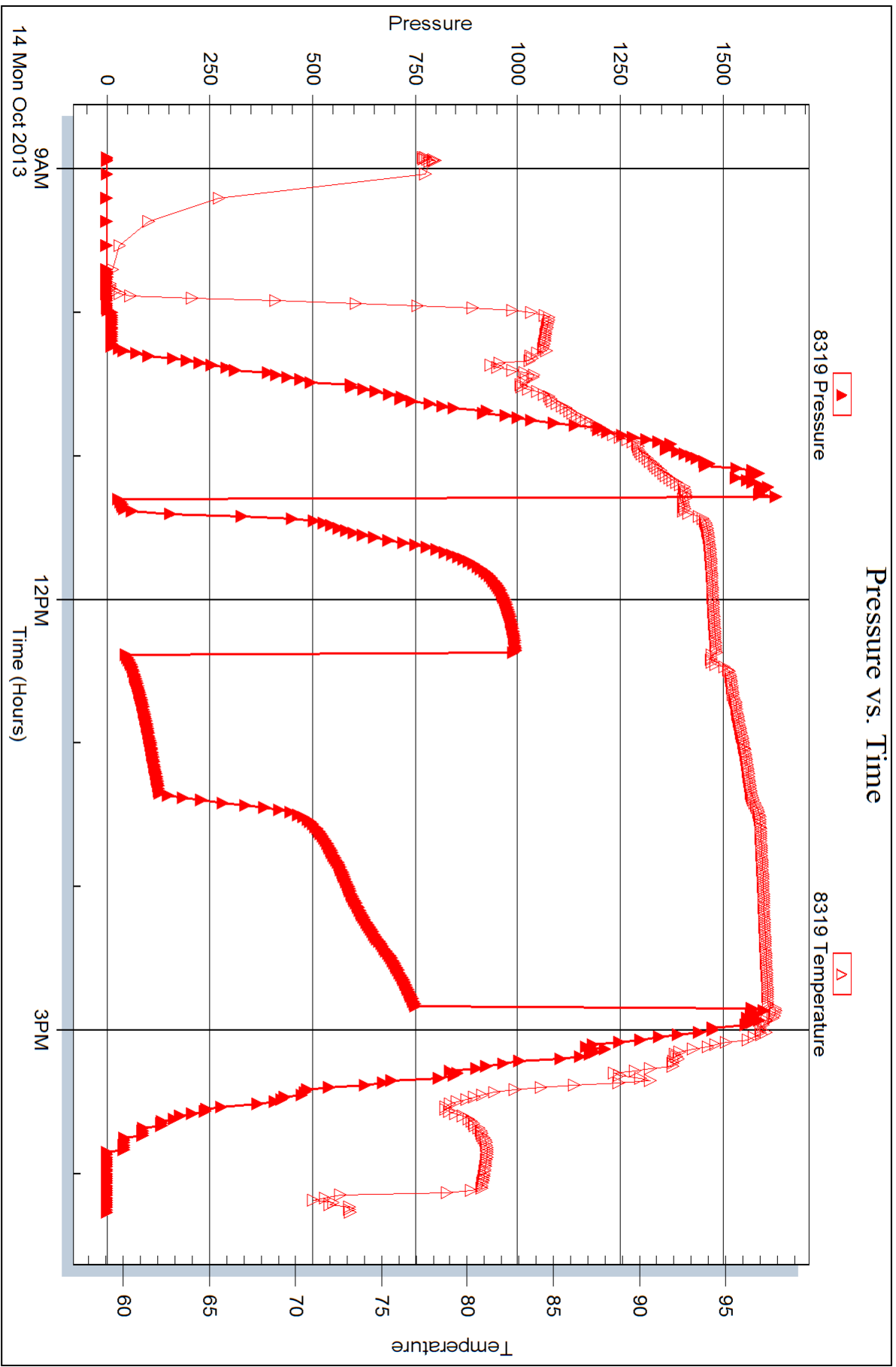


Serial #: 8319

Outside Damar Resources Inc.

Windhoz #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Damar Resources Inc.**

PO Box 70
Hays KS 67601

ATTN: Randy Kilian

Windholz #2

3-12s-17w Ellis,KS

Start Date: 2013.10.15 @ 16:45:00

End Date: 2013.10.16 @ 00:15:00

Job Ticket #: 55303 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.16 @ 13:33:30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Damar Resources Inc.

3-12s-17w Ellis,KS

PO Box 70
Hays KS 67601

Windholz #2

Job Ticket: 55303

DST#: 2

ATTN: Randy Kilian

Test Start: 2013.10.15 @ 16:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:31:30

Time Test Ended: 00:15:00

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3573.00 ft (KB) To 3640.00 ft (KB) (TVD)

Reference Elevations: 2125.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

2120.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 60.24 psig @ 3612.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.15

End Date:

2013.10.16

Last Calib.: 2013.10.16

Start Time: 16:45:05

End Time:

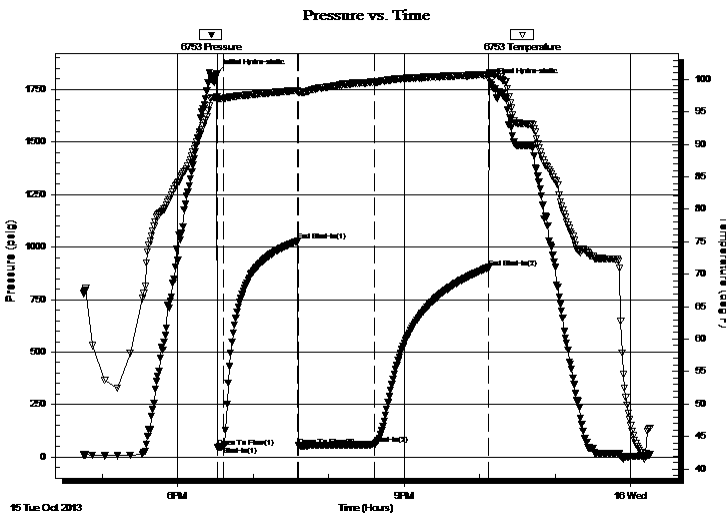
00:14:59

Time On Btm: 2013.10.15 @ 18:30:30

Time Off Btm: 2013.10.15 @ 22:08:30

TEST COMMENT: IF-2" blow
ISI-No blow
FF-3 3/4" blow
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1826.14	97.19	Initial Hydro-static
1	45.12	96.95	Open To Flow (1)
6	50.54	97.06	Shut-In(1)
65	1027.26	98.32	End Shut-In(1)
66	54.31	98.07	Open To Flow (2)
126	60.24	99.56	Shut-In(2)
217	902.00	100.78	End Shut-In(2)
218	1780.22	100.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	SOCM 15%O 85%M	0.78
10.00	SGO 10%G 90%O	0.14

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Damar Resources Inc.

PO Box 70
Hays KS 67601

ATTN: Randy Kilian

3-12s-17w Ellis, KS

Windholz #2

Job Ticket: 55303

DST#: 2

Test Start: 2013.10.15 @ 16:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:31:30

Time Test Ended: 00:15:00

Interval: 3573.00 ft (KB) To 3640.00 ft (KB) (TVD)

Total Depth: 3640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Reference Elevations: 2125.00 ft (KB)

2120.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8736

Inside

Press @ RunDepth: psig @ 3612.00 ft (KB)

Start Date: 2013.10.15

End Date: 2013.10.16

Capacity: 8000.00 psig

Last Calib.: 2013.10.16

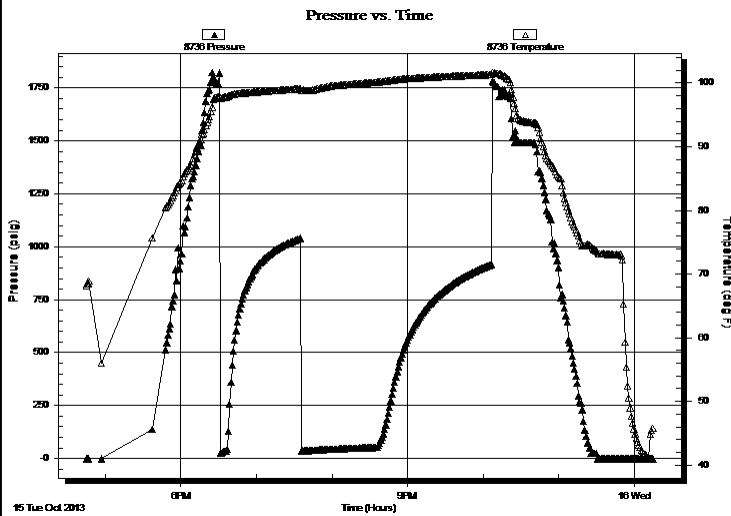
Start Time: 16:45:05

End Time: 00:14:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-2" blow
IS-No blow
FF-3 3/4" blow
FS-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	SOCM 15%O 85%M	0.78
10.00	SGO 10%G 90%O	0.14

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Damar Resources Inc.

3-12s-17w Ellis, KS

PO Box 70
Hays KS 67601

Windholz #2

Job Ticket: 55303

DST#: 2

ATTN: Randy Kilian

Test Start: 2013.10.15 @ 16:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:31:30

Time Test Ended: 00:15:00

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3573.00 ft (KB) To 3640.00 ft (KB) (TVD)**

Reference Elevations: 2125.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

2120.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8319 Below (Straddle)

Press @ Run Depth: psig @ 3645.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.15

End Date: 2013.10.16

Last Calib.: 2013.10.16

Start Time: 16:45:05

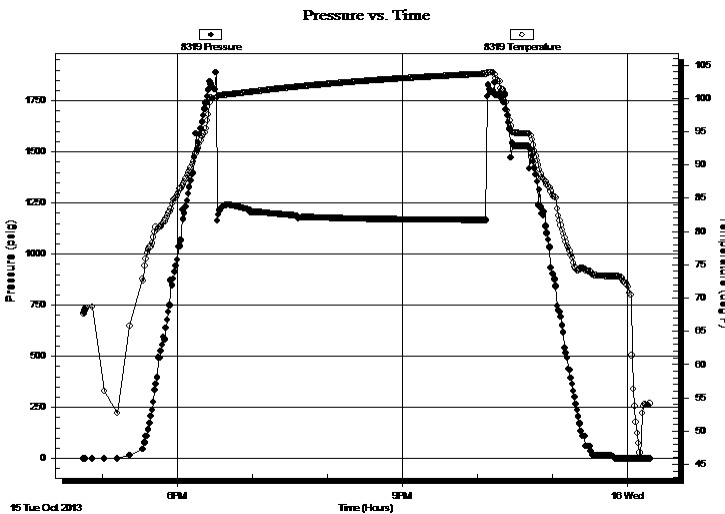
End Time: 00:17:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-2" blow
ISI-No blow
FF-3 3/4" blow
FSI-No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	SOCM 15%O 85%M	0.78
10.00	SGO 10%G 90%O	0.14

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Resources Inc.

3-12s-17w Ellis,KS

PO Box 70
Hays KS 67601

Windholz #2

Job Ticket: 55303

DST#: 2

ATTN: Randy Kilian

Test Start: 2013.10.15 @ 16:45:00

Tool Information

Drill Pipe:	Length: 3523.00 ft	Diameter: 3.80 inches	Volume: 49.42 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3573.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3640.00 ft			
Interval between Packers:	67.00 ft			
Tool Length:	147.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3551.00	
Shut In Tool	5.00			3556.00	
Hydraulic tool	5.00			3561.00	
Safety Joint	3.00			3564.00	
Packer	4.00			3568.00	23.00 Bottom Of Top Packer
Packer	5.00			3573.00	
Stubb	1.00			3574.00	
Perforations	4.00			3578.00	
change Over Sub	1.00			3579.00	
Blank Spacing	32.00			3611.00	
change Over Sub	1.00			3612.00	
Recorder	0.00	8736	Inside	3612.00	
Recorder	0.00	6753	Outside	3612.00	
Perforations	24.00			3636.00	
Blank Off Sub	4.00			3640.00	67.00 Tool Interval
Packer	4.00			3644.00	
Stubb	1.00			3645.00	
Recorder	0.00	8319	Below	3645.00	
perforations	10.00			3655.00	
Change Over Sub	1.00			3656.00	
Blank Spacing	32.00			3688.00	
Change Over Sub	1.00			3689.00	
Perforations	5.00			3694.00	
Bullnose	3.00			3697.00	57.00 Bottom Packers & Anchor
Total Tool Length:	147.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Resources Inc.

3-12s-17w Ellis,KS

PO Box 70
Hays KS 67601

Windholz #2

Job Ticket: 55303

DST#: 2

ATTN: Randy Kilian

Test Start: 2013.10.15 @ 16:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	SOCM 15%O 85%M	0.779
10.00	SGO 10%G 90%O	0.140

Total Length: 85.00 ft Total Volume: 0.919 bbl

Num Fluid Samples: 0

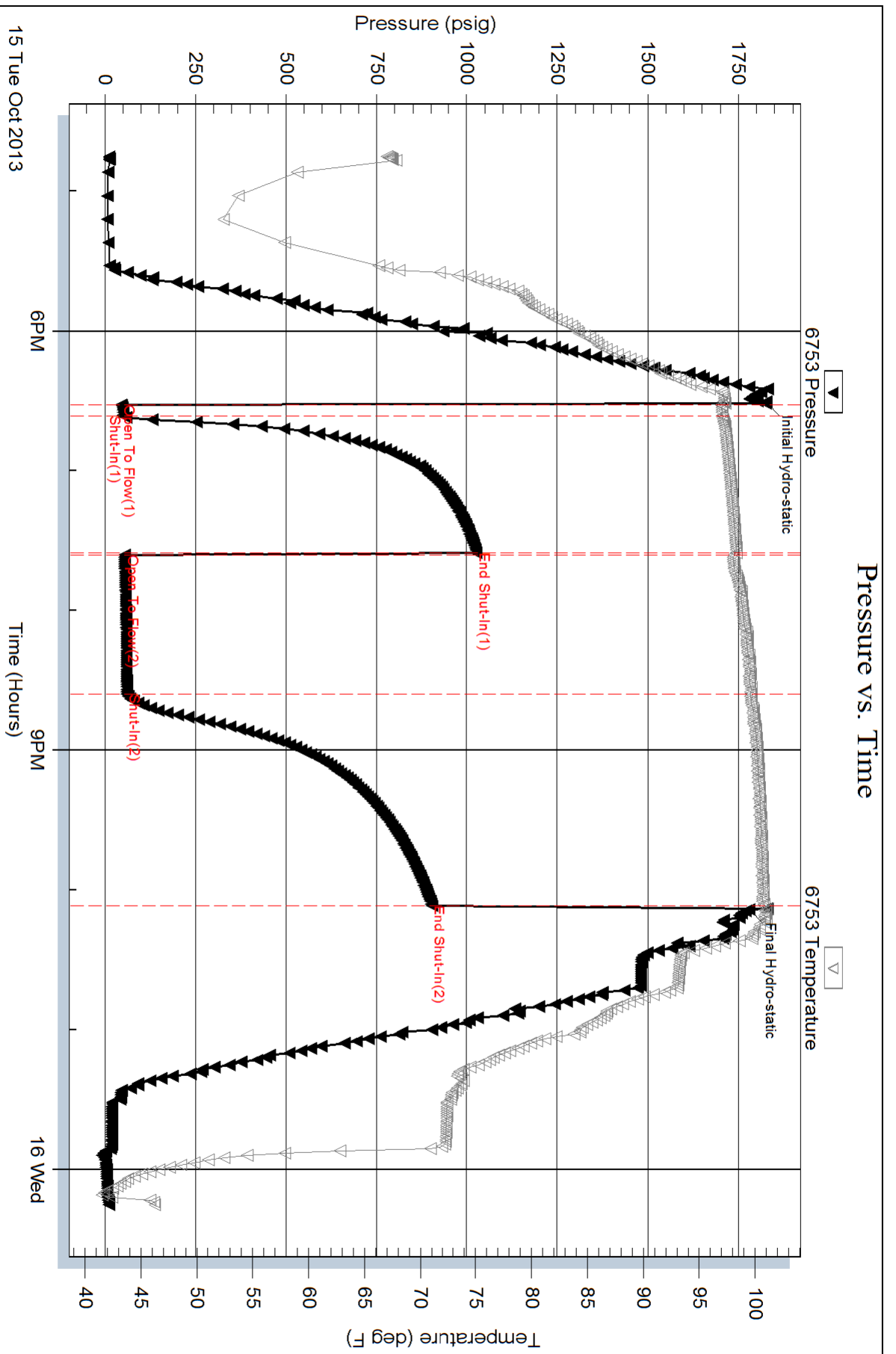
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



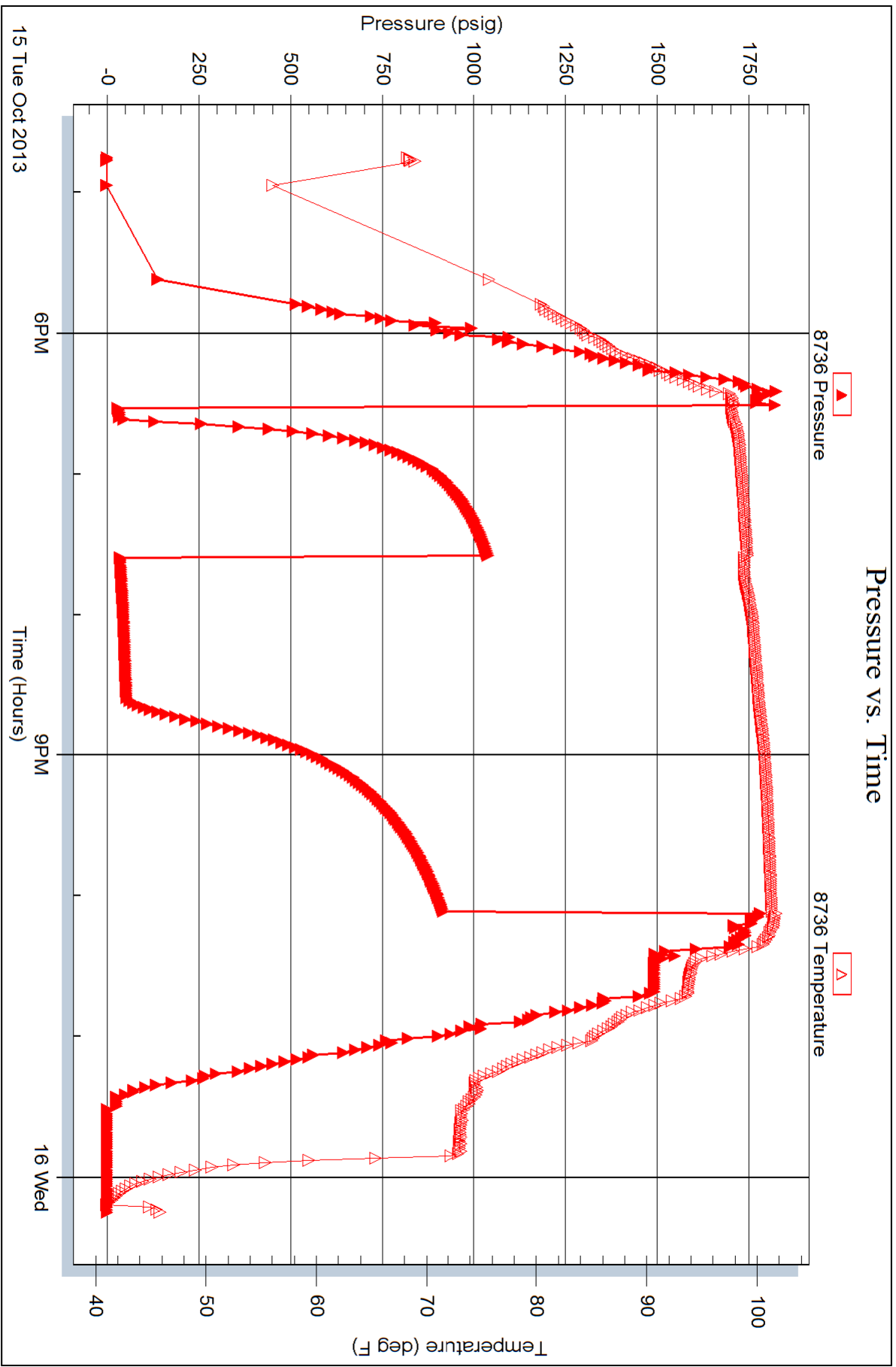
Serial #: 8736

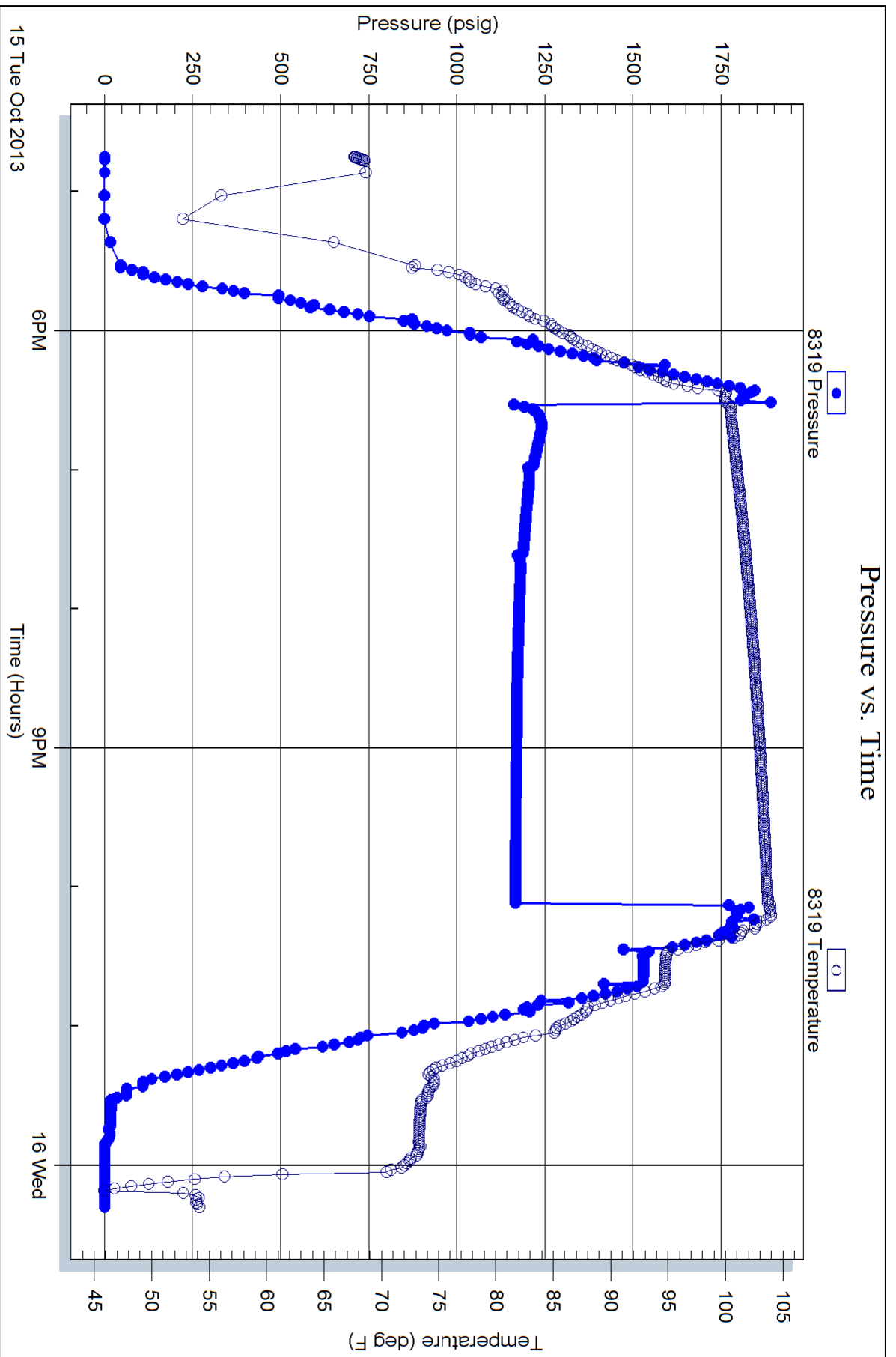
Inside

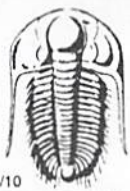
Damar Resources Inc.

Windhoz #2

DST Test Number: 2







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55302

Well Name & No. Windholz #2 Test No. 1 Date 10/14/13
 Company PaMar Resources, Inc. Elevation 2125 KB 2120 GL
 Address 234 W 11th St A PO Box 70 Hays KS 67601
 Co. Rep / Geo. Randy ~~Kilian~~ Kilian Rig Murkin #16
 Location: Sec. 3 Twp. 12 Rge. 17 Co. Ellis State KS

Interval Tested 3304-3460 Zone Tested Toronto - KC "E"
 Anchor Length 156 Drill Pipe Run _____ Mud Wt. 8.6
 Top Packer Depth 3299 Drill Collars Run 30 Vis 65
 Bottom Packer Depth 3304 Wt. Pipe Run _____ WL 7.2
 Total Depth 3460 Chlorides 1500 ppm System LCM _____
 Blow Description FF - 5in blow
ISF - No blow
EF - Bob in 10min
ESJ - 3in blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>56 OCM</u>	<u>5</u>	<u>30</u>	<u>65</u>	
<u>65</u>	<u>60 OCM</u>	<u>20</u>	<u>20</u>	<u>60</u>	
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 255 BHT 96 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,635 Test 1150 T-On Location 8:30
 (B) First Initial Flow 41 Jars T-Started 8:55
 (C) First Final Flow 53 Safety Joint 75 T-Open 11:17
 (D) Initial Shut-In 992 Circ Sub T-Pulled 14:42
 (E) Second Initial Flow 60 Hourly Standby T-Out 16:45
 (F) Second Final Flow 124 Mileage 53.7 82.15 Comments _____
 (G) Final Shut-In 239 Sampler _____
 (H) Final Hydrostatic 1,591 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1307.15
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1307.15

Initial Open 5
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90
 Approved By _____ Our Representative Bua

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55303**

Well Name & No. Windholz #2 Test No. 2 Date 10/15/13
 Company DaMar Resources, Inc Elevation 2125 KB 2120 GL
 Address PO Box 70 Hays KS 67601
 Co. Rep / Geo. Randy Kilian Rig Marlin #16
 Location: Sec. 3 Twp. 12 Rge. 17 Co. Ellis State KS

Interval Tested 3573 - 3640 Zone Tested Arb
 Anchor Length 67 Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 3568, 3573 Drill Collars Run 30 Vis 60
 Bottom Packer Depth 3640 Wt. Pipe Run _____ WL 8.0
 Total Depth 3694 Chlorides 4,000 ppm System LCM 27
 Blow Description IF - 2 in blow
ISL - No blow
FF - 3 3/4 in blow
BSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>560</u>	<u>10</u>	<u>90</u>		
<u>25</u>	<u>SOCM</u>		<u>15</u>		<u>85</u>
____	____	%gas	%oil	%water	%mud
____	____	%gas	%oil	%water	%mud
____	____	%gas	%oil	%water	%mud

Rec Total 85 BHT 108 Gravity 35 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,826 Test 1150 T-On Location 16:15
 (B) First Initial Flow 45 Jars _____ T-Started 16:45
 (C) First Final Flow 51 Safety Joint 75 T-Open 18:30
 (D) Initial Shut-In 1,027 Circ Sub _____ T-Pulled 22:05
 (E) Second Initial Flow 54 Hourly Standby _____ T-Out 00:15
 (F) Second Final Flow 60 Mileage 53.7 82.15 Comments _____
 (G) Final Shut-In 902 Sampler _____
 (H) Final Hydrostatic 1,780 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1907.15
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1907.15

Approved By _____ Our Representative Burt D...

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