



DRILL STEM TEST REPORT

Prepared For: **Damar Resources, Inc.**

PO Box 70
Hays KS 67601

ATTN: Randy Kilian

Timber Acres #3

3-13s-18w Ellis, KS

Start Date: 2014.11.05 @ 18:45:00

End Date: 2014.11.06 @ 04:17:15

Job Ticket #: 62526 DST #: 1

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

Printed: 2014.11.10 @ 16:43:31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Damar Resources, Inc.

3-13s-18w Ellis, KS

PO Box 70
Hays KS 67601

Timber Acres #3

Job Ticket: 62526

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.11.05 @ 18:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:04:15

Time Test Ended: 04:17:15

Test Type: Conventional Straddle (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3652.00 ft (KB) To 3708.00 ft (KB) (TVD)

Reference Elevations: 2149.00 ft (KB)

Total Depth: 3771.00 ft (KB) (TVD)

2144.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8957

Inside

Press@RunDepth: 760.33 psig @ 3653.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.05

End Date:

2014.11.06

Last Calib.: 2014.11.06

Start Time: 18:45:05

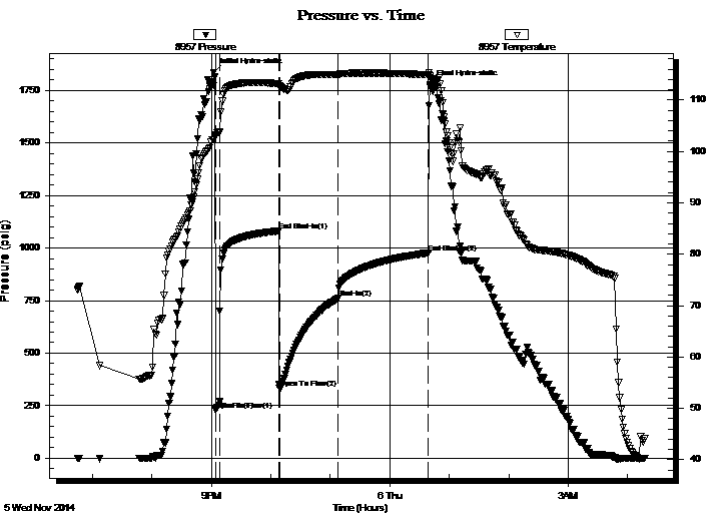
End Time:

04:17:15

Time On Btm: 2014.11.05 @ 21:02:30

Time Off Btm: 2014.11.06 @ 00:40:45

TEST COMMENT: IF-BOB in 1 min
ISI-No blow
FF-BOB in 1 min
FSI-1 1/2" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1835.17	102.33	Initial Hydro-static
2	229.65	102.96	Open To Flow (1)
6	269.35	103.68	Shut-In(1)
66	1081.11	113.14	End Shut-In(1)
67	331.82	112.84	Open To Flow (2)
126	760.33	114.98	Shut-In(2)
217	977.11	114.89	End Shut-In(2)
219	1775.60	114.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1470.00	GO 15%G 85%O	20.37
505.00	GVSMCO 15%G 80%O 5%M	7.08

Gas Rates

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



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Timber Acres #3

Job Ticket: 62526

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.11.05 @ 18:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:04:15

Time Test Ended: 04:17:15

Test Type: Conventional Straddle (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: **3652.00 ft (KB) To 3708.00 ft (KB) (TVD)**

Reference Elevations: 2149.00 ft (KB)

Total Depth: 3771.00 ft (KB) (TVD)

2144.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8934 Below (Straddle)

Press@RunDepth: psig @ 3715.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.05

End Date:

2014.11.06

Last Calib.:

2014.11.06

Start Time: 18:45:05

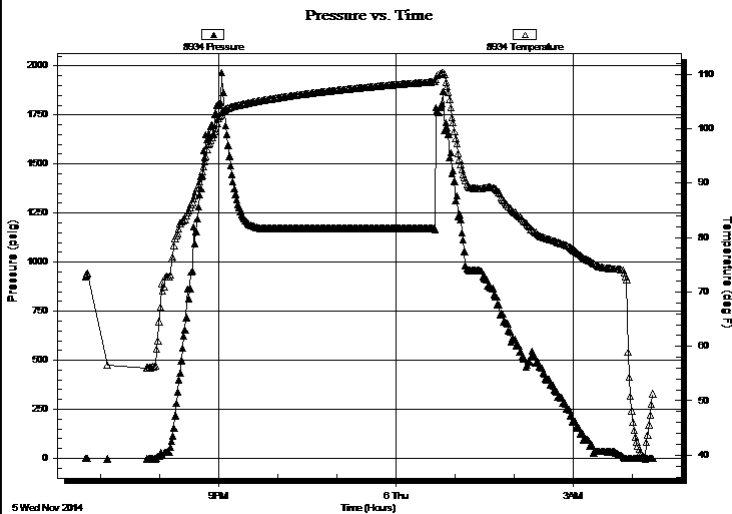
End Time:

04:21:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-BOB in 1 min
IS- No blow
FF-BOB in 1 min
FS-1 1/2" blow



PRESSURE SUMMARY

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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
1470.00	GO 15%G 85%O	20.37
505.00	GVSMCO 15%G 80%O 5%M	7.08

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



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DRILL STEM TEST REPORT

Damar Resources, Inc.

3-13s-18w Ellis, KS

PO Box 70
Hays KS 67601

Timber Acres #3

Job Ticket: 62526

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.11.05 @ 18:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:04:15

Time Test Ended: 04:17:15

Test Type: Conventional Straddle (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3652.00 ft (KB) To 3708.00 ft (KB) (TVD)

Reference Elevations: 2149.00 ft (KB)

Total Depth: 3771.00 ft (KB) (TVD)

2144.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8736 Outside

Press@RunDepth: psig @ 3653.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.05

End Date:

2014.11.06

Last Calib.:

2014.11.06

Start Time: 18:45:05

End Time:

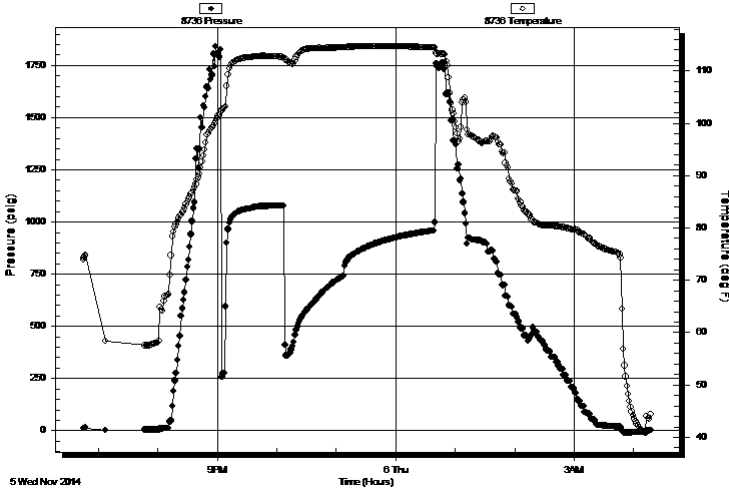
04:17:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-BOB in 1 min
ISI-No blow
FF-BOB in 1 min
FSI-1 1/2" blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1470.00	GO 15%G 85%O	20.37
505.00	GVSMCO 15%G 80%O 5%M	7.08

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Resources, Inc.

3-13s-18w Ellis, KS

PO Box 70
Hays KS 67601

Timber Acres #3

Job Ticket: 62526

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.11.05 @ 18:45:00

Tool Information

Drill Pipe:	Length: 3611.00 ft	Diameter: 3.80 inches	Volume: 50.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3652.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	3708.00 ft			
Interval between Packers:	56.00 ft			
Tool Length:	144.00 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			3635.00	
Hydraulic tool	5.00			3640.00	
Safety Joint	2.00			3642.00	
Packer	5.00			3647.00	22.00 Bottom Of Top Packer
Packer	5.00			3652.00	
Stubb	1.00			3653.00	
Recorder	0.00	8957	Inside	3653.00	
Recorder	0.00	8736	Outside	3653.00	
Perforations	16.00			3669.00	
Change Over Sub	1.00			3670.00	
Drill Pipe	32.00			3702.00	
Change Over Sub	1.00			3703.00	
Perforations	1.00			3704.00	
Blank Off Sub	4.00			3708.00	56.00 Tool Interval
Packer	5.00			3713.00	
Perforations	2.00			3715.00	
Recorder	0.00	8934	Below	3715.00	
Change Over Sub	1.00			3716.00	
Drill Pipe	32.00			3748.00	
Change Over Sub	1.00			3749.00	
Perforations	22.00			3771.00	
Bullnose	3.00			3774.00	66.00 Bottom Packers & Anchor

Total Tool Length: 144.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Resources, Inc.

3-13s-18w Ellis, KS

PO Box 70
Hays KS 67601

Timber Acres #3

Job Ticket: 62526

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.11.05 @ 18:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1470.00	GO 15%G 85%O	20.365
505.00	GVSMCO 15%G 80%O 5%M	7.084

Total Length: 1975.00 ft Total Volume: 27.449 bbl

Num Fluid Samples: 0

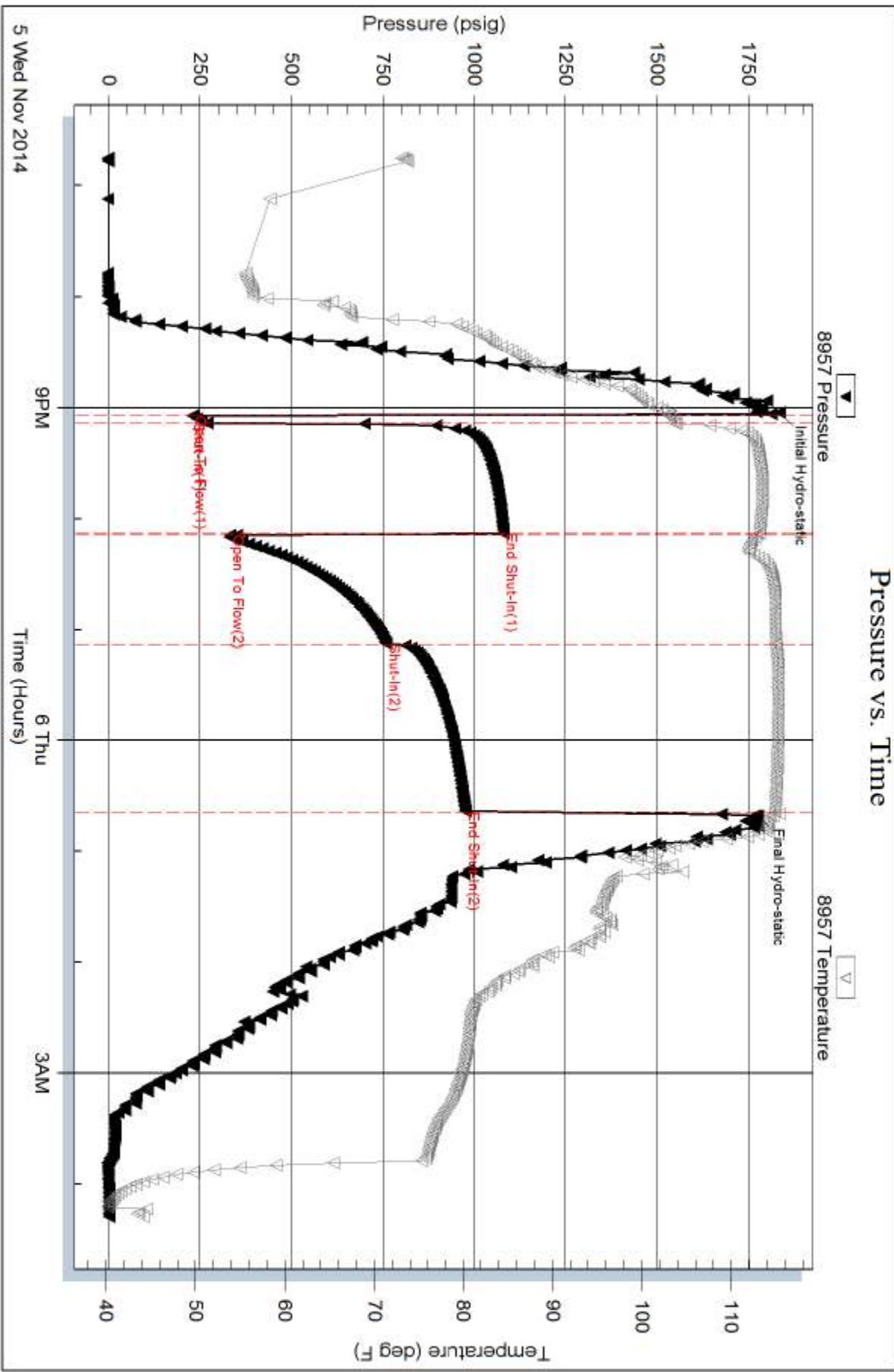
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

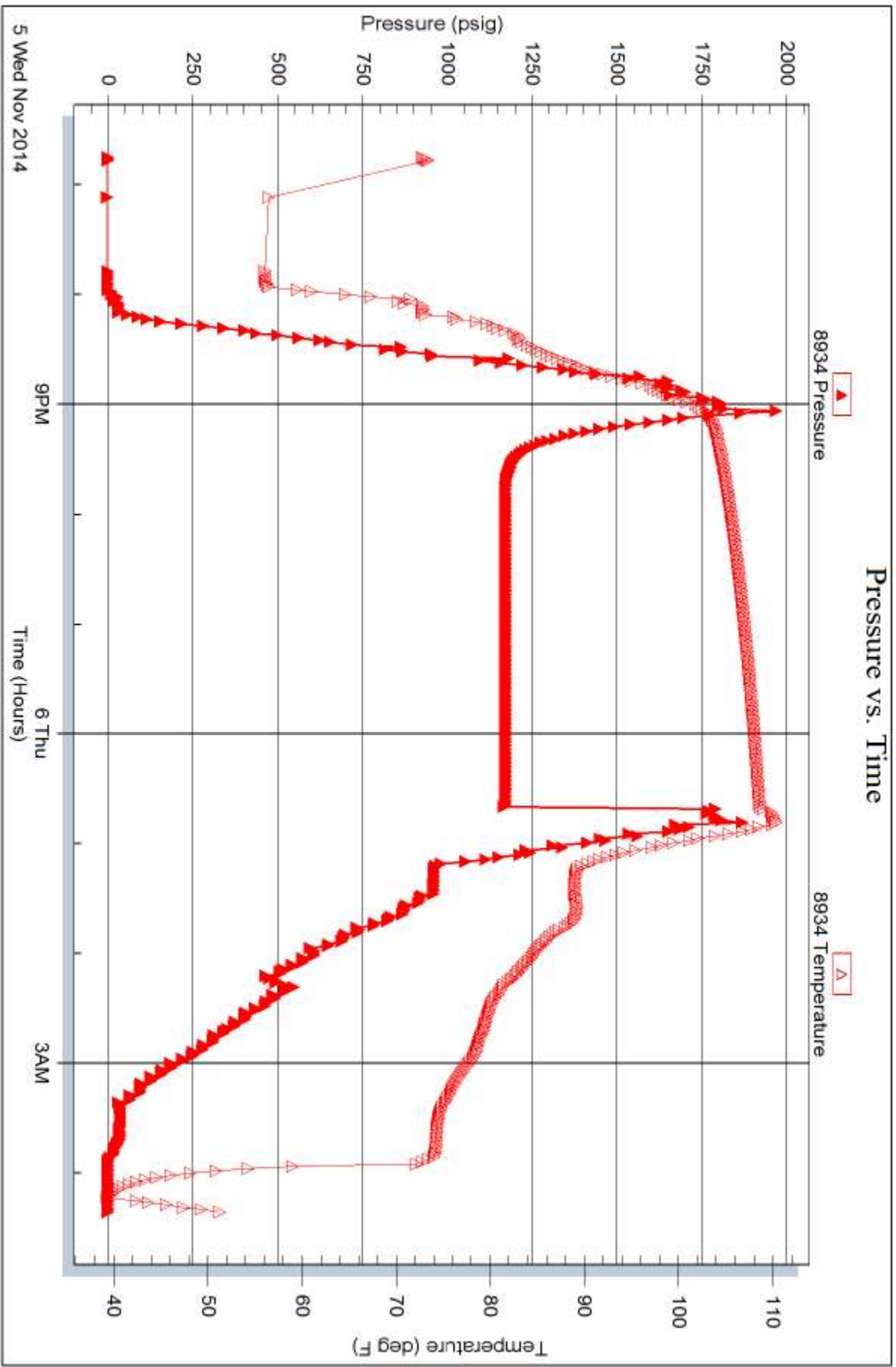


Serial #: 8934

Below (Stratfield) Resources, Inc.

Timber Acres #3

DST Test Number: 1

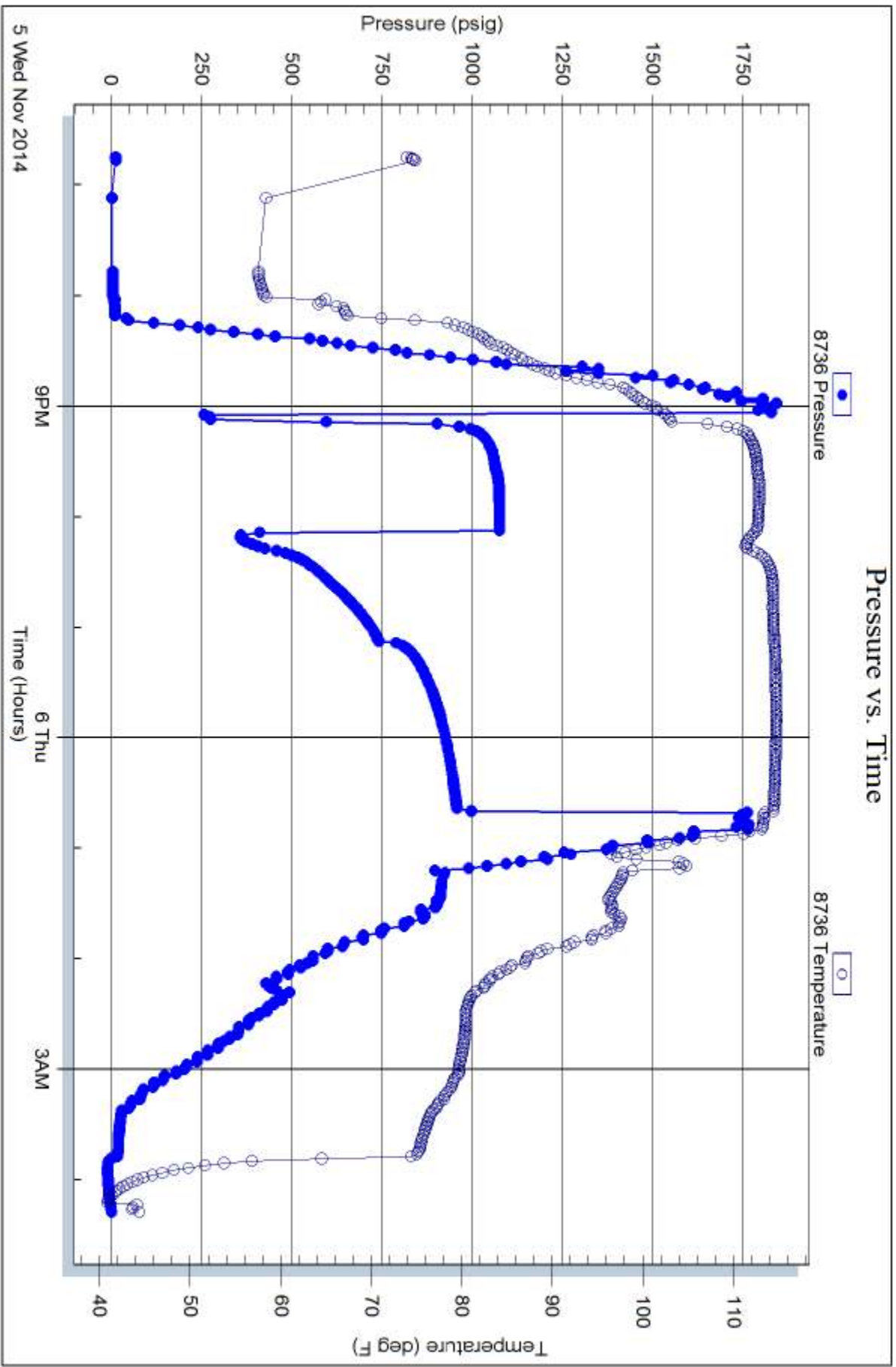


Serial #: 8736

Outside Damar Resources, Inc.

Timber Acres #3

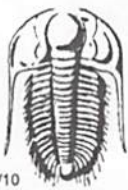
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 62526

Printed: 2014.11.10 @ 16:43:33



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62526

Well Name & No. Timber Acres #3 Test No. 1 Date 11-5-14
 Company DaMar Resources, Inc. Elevation 2149 KB 32144 GL
 Address PO Box 70 Hays KS 67601
 Co. Rep / Geo. Randy K Rig Martin #16
 Location: Sec. 3 Twp. 13 Rge. 18 Co. Ellis State KS

Interval Tested 3652 - 3708 Zone Tested Arb.
 Anchor Length 56 Drill Pipe Run 3611 Mud Wt. 9.0
 Top Packer Depth 3647, 3652 Drill Collars Run 28 Vis 63
 Bottom Packer Depth 3708 Wt. Pipe Run - WL 8.4
 Total Depth 3771 Chlorides 1,800 ppm System LCM 2 1/4 A
 Blow Description IF - BOB in 1 min
ISI - No blow
FF - BOB in 1 min
FSI -

Rec	Feet of	%gas	%oil	%water	%mud
<u>505</u>	<u>GVS MCO</u>	<u>15</u>	<u>80</u>	<u>5</u>	
<u>1470</u>	<u>60</u>	<u>15</u>	<u>85</u>		

Rec Total 1975 BHT Gravity 25 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,835 Test 1150 T-On Location 18:15
 (B) First Initial Flow 230 Jars T-Started 18:45
 (C) First Final Flow 269 Safety Joint 75 T-Open 21:03
 (D) Initial Shut-In 1,081 Circ Sub T-Pulled 00:38
 (E) Second Initial Flow 332 Hourly Standby T-Out 4:15
 (F) Second Final Flow 260 Mileage 20 RT 31 Comments _____
 (G) Final Shut-In 977 Sampler _____
 (H) Final Hydrostatic 1,776 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1856
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1856

Approved By _____ Our Representative Butt D...

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