



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
Garden City, KS 67846

ATTN: Marc Downing

Sneed Lamb #1-24

24-13-36 Logan,KS

Start Date: 2015.04.28 @ 13:00:43

End Date: 2015.04.28 @ 20:29:43

Job Ticket #: 61537 DST #: 1

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

Printed: 2015.04.29 @ 15:57:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Marc Downing

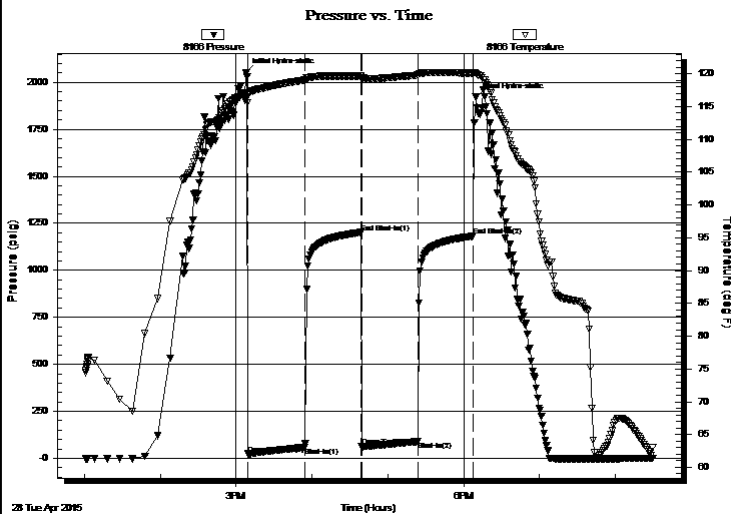
24-13-36 Logan,KS
Sneed Lamb #1-24
Job Ticket: 61537 **DST#: 1**
Test Start: 2015.04.28 @ 13:00:43

GENERAL INFORMATION:

Formation: **LKC E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:09:13
Time Test Ended: 20:29:43
Interval: **3841.00 ft (KB) To 3861.00 ft (KB) (TVD)**
Total Depth: 4598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2954.00 ft (KB)
2943.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 Outside
Press@RunDepth: 89.43 psig @ 3842.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.04.28 End Date: 2015.04.28 Last Calib.: 2015.04.28
Start Time: 13:00:48 End Time: 20:29:42 Time On Btm: 2015.04.28 @ 15:07:43
Time Off Btm: 2015.04.28 @ 18:09:43

TEST COMMENT: IF: 1/2" blow built to 6" in 45 min.
IS: No return.
FF: Surface blow built to 5" in 45 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.44	116.93	Initial Hydro-static
2	24.05	115.60	Open To Flow (1)
47	58.60	119.06	Shut-In(1)
91	1201.44	119.65	End Shut-In(1)
92	61.99	119.16	Open To Flow (2)
136	89.43	119.78	Shut-In(2)
180	1181.50	120.10	End Shut-In(2)
182	1920.69	120.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	w cm 40%w 60%m	1.33
31.00	ocw m 5%o 10%w 85%m	0.43
31.00	free oil 100%o	0.43

Gas Rates

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



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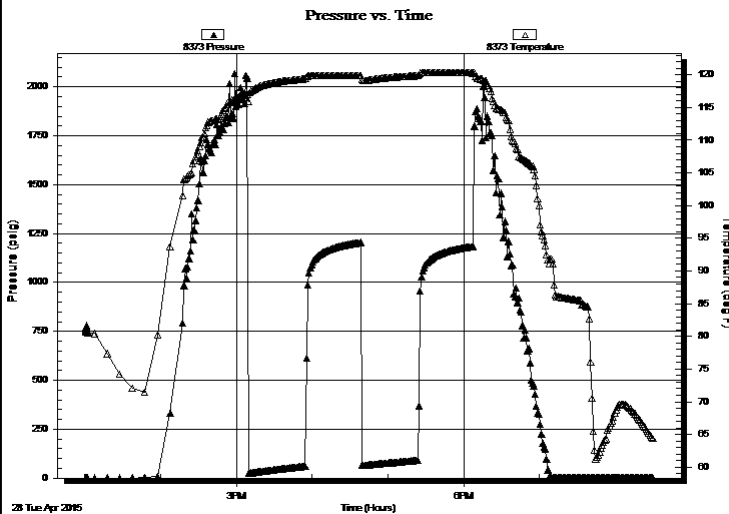
24-13-36 Logan, KS
Sneed Lamb #1-24
 Job Ticket: 61537 **DST#: 1**
 Test Start: 2015.04.28 @ 13:00:43

GENERAL INFORMATION:

Formation: **LKC E**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 15:09:13 Tester: Brandon Turley
 Time Test Ended: 20:29:43 Unit No: 79
Interval: 3841.00 ft (KB) To 3861.00 ft (KB) (TVD) Reference Elevations: 2954.00 ft (KB)
 Total Depth: 4598.00 ft (KB) (TVD) 2943.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8373 **Inside**
 Press@RunDepth: psig @ 3842.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.28 End Date: 2015.04.28 Last Calib.: 2015.04.28
 Start Time: 13:00:35 End Time: 20:29:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/2" blow built to 6" in 45 min.
 IS: No return.
 FF: Surface blow built to 5" in 45 min.
 FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
95.00	w cm 40%w 60%m	1.33
31.00	ocw m 5%o 10%w 85%m	0.43
31.00	free oil 100%o	0.43

Gas Rates

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



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DRILL STEM TEST REPORT

American Warrior Inc
 3118 Cummings Rd
 Garden City, KS 67846
 ATTN: Marc Downing

24-13-36 Logan, KS
Sneed Lamb #1-24
 Job Ticket: 61537 **DST#: 1**
 Test Start: 2015.04.28 @ 13:00:43

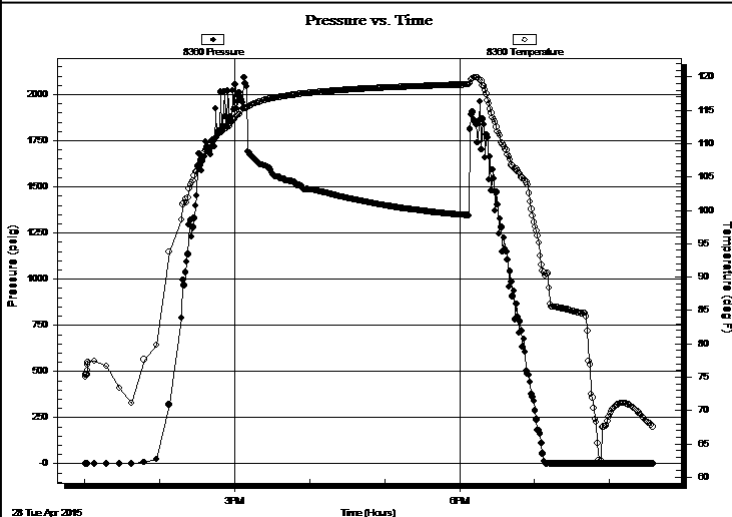
GENERAL INFORMATION:

Formation: **LKC E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:09:13
 Time Test Ended: 20:29:43
Interval: 3841.00 ft (KB) To 3861.00 ft (KB) (TVD)
 Total Depth: 4598.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2954.00 ft (KB)
 2943.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8360 Below (Straddle)

Press@RunDepth: psig @ 4593.00 ft (KB)
 Start Date: 2015.04.28 End Date: 2015.04.28
 Start Time: 13:00:38 End Time: 20:35:02
 Capacity: 8000.00 psig
 Last Calib.: 2015.04.28
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/2" blow built to 6" in 45 min.
 IS: No return.
 FF: Surface blow built to 5" in 45 min.
 FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
95.00	w cm 40% w 60% m	1.33
31.00	ocw m 5% o 10% w 85% m	0.43
31.00	free oil 100% o	0.43

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Marc Downing

24-13-36 Logan, KS
Sneed Lamb #1-24
Job Ticket: 61537 **DST#: 1**
Test Start: 2015.04.28 @ 13:00:43

Tool Information

Drill Pipe:	Length: 3827.00 ft	Diameter: 3.80 inches	Volume: 53.68 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume: 53.68 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3841.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	758.00 ft			
Tool Length:	780.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			3820.00	
Shut In Tool	5.00			3825.00	
Hydraulic tool	5.00			3830.00	
Safety Joint	2.00			3832.00	
Packer	5.00			3837.00	22.00 Bottom Of Top Packer
Packer	4.00			3841.00	
Stubb	1.00			3842.00	
Recorder	0.00	8373	Inside	3842.00	
Recorder	0.00	8166	Outside	3842.00	
Perforations	14.00			3856.00	
Blank Off Sub	1.00			3857.00	758.00 Tool Interval
Packer	4.00			3861.00	
Stubb	1.00			3862.00	
Perforations	6.00			3868.00	
Change Over Sub	1.00			3869.00	
Drill Pipe	724.00			4593.00	
Recorder	0.00	8360	Below	4593.00	
Change Over Sub	1.00			4594.00	
Bullnose	5.00			4599.00	1000779.00 Bottom Packers & Anchor

Total Tool Length: 780.00



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FLUID SUMMARY

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Marc Downing

24-13-36 Logan,KS
Sneed Lamb #1-24
Job Ticket: 61537 **DST#: 1**
Test Start: 2015.04.28 @ 13:00:43

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 16000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

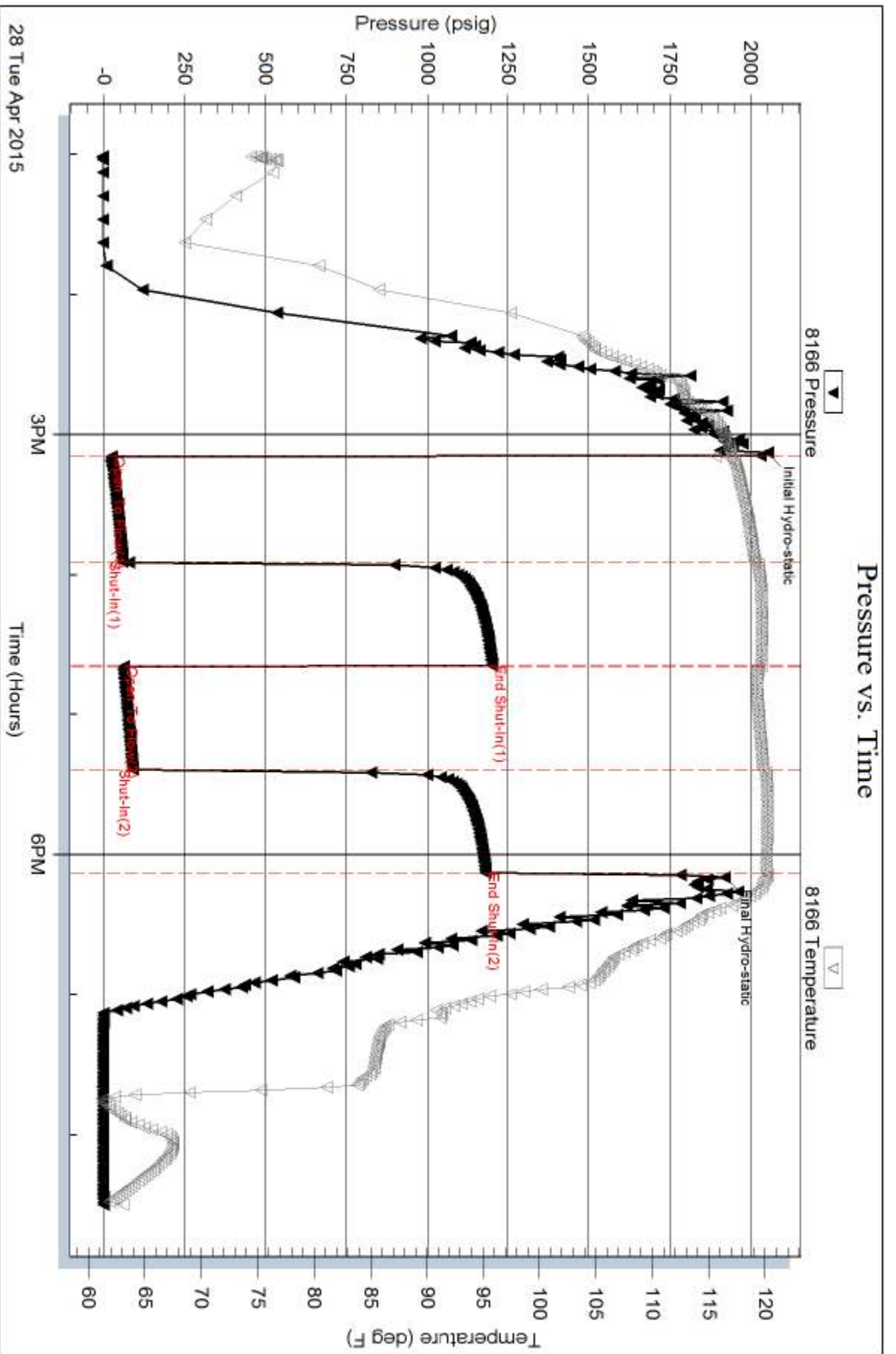
Length ft	Description	Volume bbl
95.00	w cm 40%w 60%m	1.333
31.00	ocw m 5%o 10%w 85%m	0.435
31.00	free oil 100%o	0.435

Total Length: 157.00 ft Total Volume: 2.203 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .42@73=16000



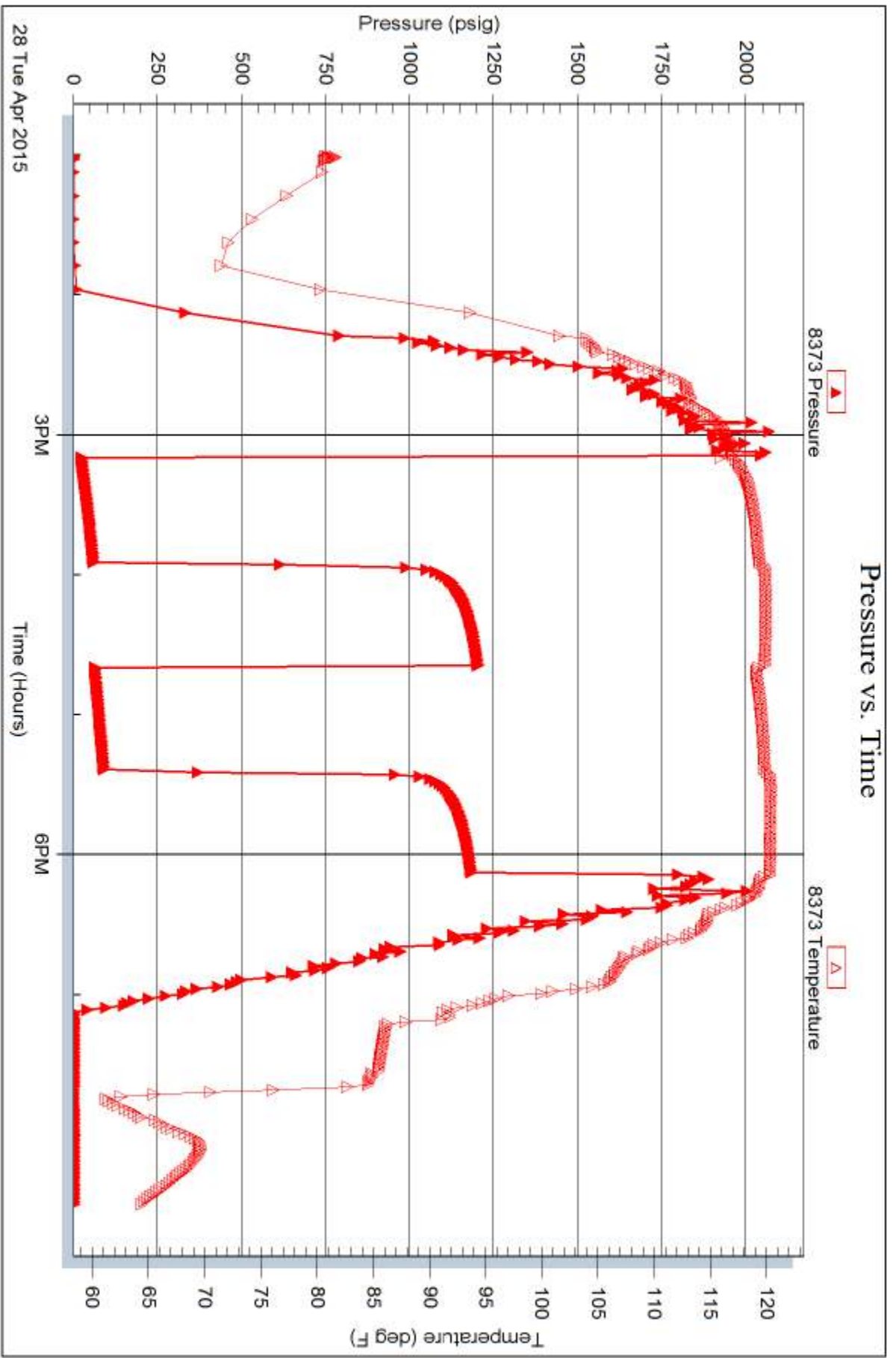
Serial #: 8373

Inside

American Warrior Inc

Sneed Lamb #1-24

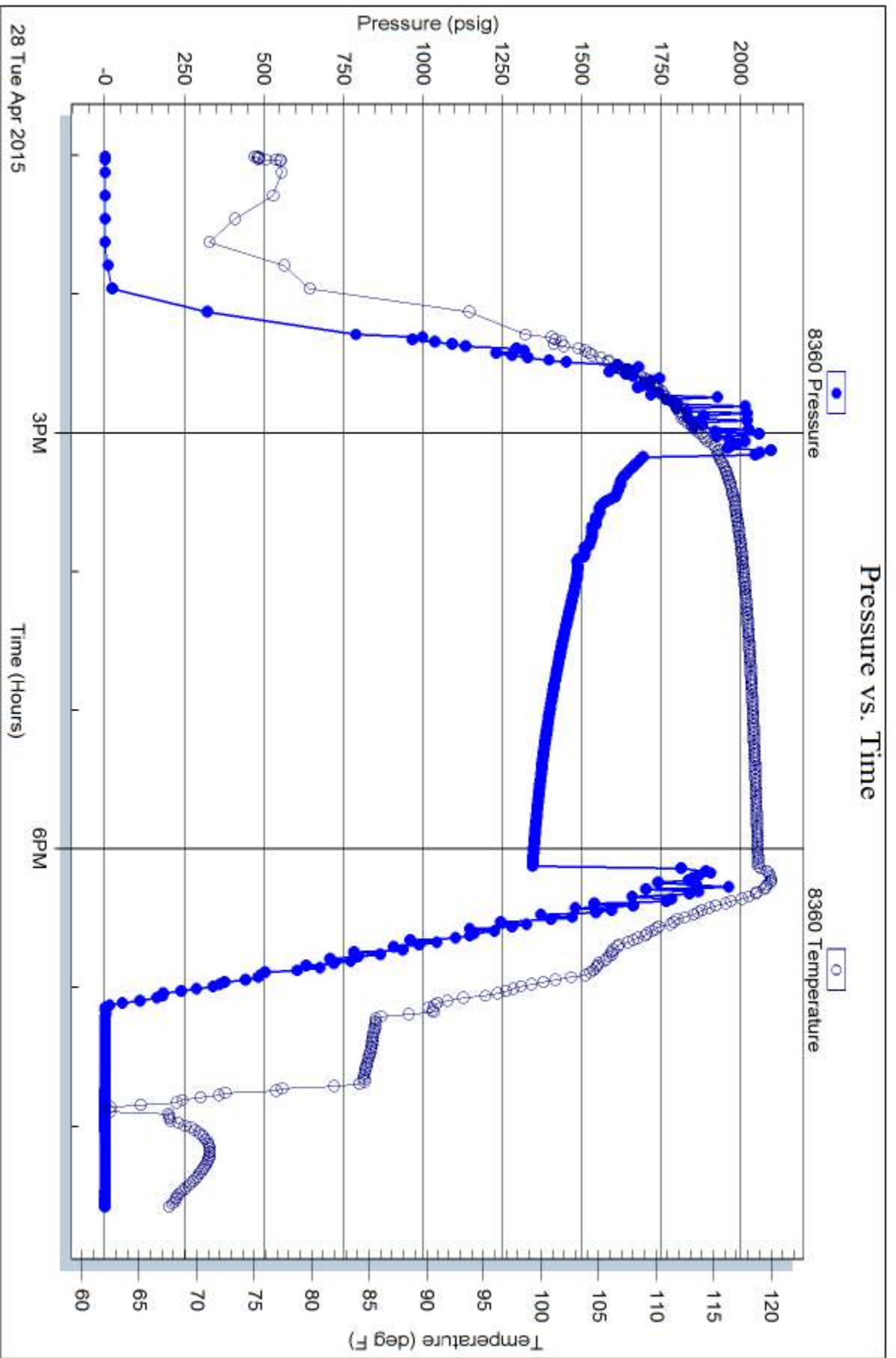
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 61537

Printed: 2015.04.29 @ 15:57:26





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61537

Well Name & No. Sneed Lamb 1-24 Test No. 1 Date 4-28-15
 Company AMERICAN WARRIOR INC Elevation 2954 KB 2943 GL
 Address 3118 Cummings Rd Garden city, KS 67846
 Co. Rep / Geo. MRC Downing Rig Duke 10
 Location: Sec. 24 Twp. 13 Rge. 36 Co. Logan State KS

Interval Tested 3841 3861 Zone Tested LKC E
 Anchor Length 20 Drill Pipe Run 3827 Mud Wt. 9.4
 Top Packer Depth 3841 Drill Collars Run — Vis 52
 Bottom Packer Depth 3861 Wt. Pipe Run — WL 8.8
 Total Depth 4598 Chlorides 5000 ppm System LCM 2

Blow Description IF: V2 blow built to 6 in 45 min.
IS: No return,
FF: surface blow built to 5 in 45 min.
FS: No return,

Rec	Feet of	%gas	%oil	%water	%mud
<u>31</u>	<u>Free oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>31</u>	<u>OCWM</u>	<u>5</u>	<u>10</u>	<u>85</u>	<u>0</u>
<u>95</u>	<u>wcm</u>	<u>0</u>	<u>40</u>	<u>60</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 157 BHT 120 Gravity — API RW .42 @ 73 °F Chlorides 16,000 ppm

(A) Initial Hydrostatic <u>2052</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:15</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>13:00</u>
(C) First Final Flow <u>58</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:10</u>
(D) Initial Shut-In <u>1201</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>18:10</u>
(E) Second Initial Flow <u>61</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:30</u>
(F) Second Final Flow <u>89</u>	<input checked="" type="checkbox"/> Mileage <u>126</u> - 104	Comments
(G) Final Shut-In <u>1181</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1920</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer

Initial Open 45 Shale Packer
 Initial Shut-In 45 Extra Packer
 Final Flow 45 Extra Recorder
 Final Shut-In 45 Day Standby
 Accessibility
 Sub Total 2179

Approved By _____ Our Representative

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.