



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Marc Downing

Wiedeman #2-20

20-19s-21w Ness,KS

Start Date: 2015.04.11 @ 18:52:00

End Date: 2015.04.12 @ 02:48:15

Job Ticket #: 62424 DST #: 1

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

Printed: 2015.04.13 @ 14:31:44



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, KS 67846
 ATTN: Marc Downing

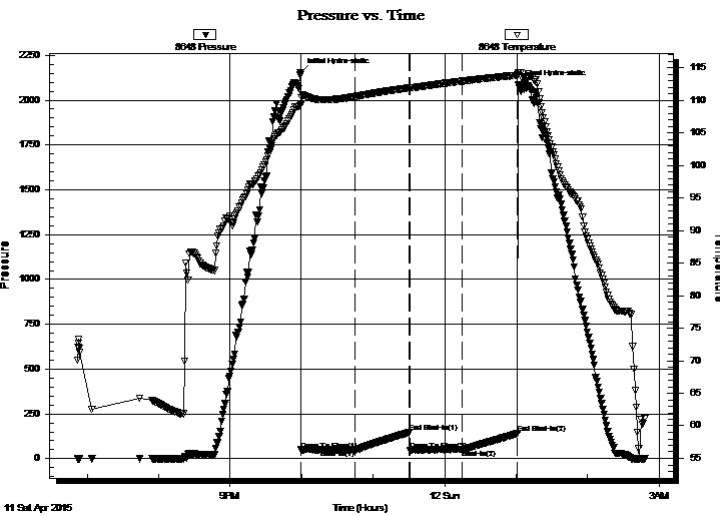
20-19s-21w Ness, KS
Wiedeman #2-20
 Job Ticket: 62424 **DST#: 1**
 Test Start: 2015.04.11 @ 18:52:00

GENERAL INFORMATION:

Formation: **Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:59:15
 Time Test Ended: 02:48:15
 Interval: **4292.00 ft (KB) To 4346.00 ft (KB) (TVD)**
 Total Depth: 4346.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2303.00 ft (KB)
 2295.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8648 Inside
 Press@RunDepth: 52.13 psig @ 4329.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.11 End Date: 2015.04.12 Last Calib.: 2015.04.12
 Start Time: 18:52:05 End Time: 02:48:14 Time On Btm: 2015.04.11 @ 21:59:00
 Time Off Btm: 2015.04.12 @ 01:01:45

TEST COMMENT: 45 - IF- 3.75" blow
 45 - IS- No return
 45 - FF- 2.5" blow
 45 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.68	109.48	Initial Hydro-static
1	50.06	109.36	Open To Flow (1)
46	49.95	110.57	Shut-In(1)
92	146.49	111.89	End Shut-In(1)
92	44.80	111.87	Open To Flow (2)
136	52.13	112.94	Shut-In(2)
183	140.86	113.86	End Shut-In(2)
183	2086.05	114.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud - Oil spots, 100%M	0.15

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
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ATTN: Marc Downing

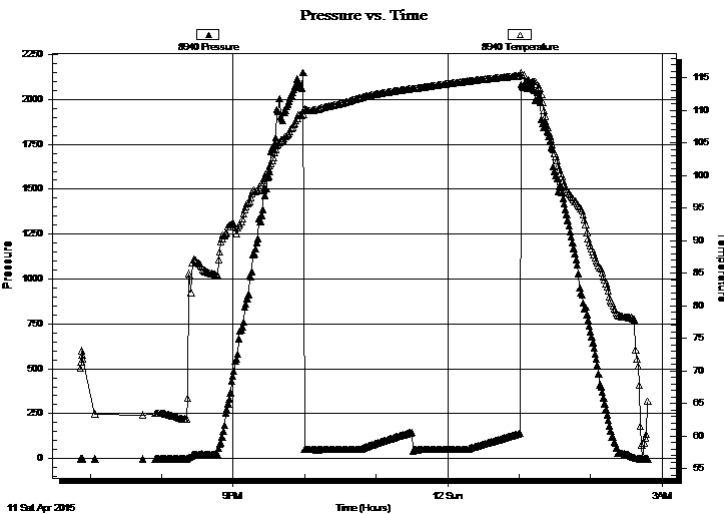
20-19s-21w Ness, KS
Wiedeman #2-20
Job Ticket: 62424 **DST#: 1**
Test Start: 2015.04.11 @ 18:52:00

GENERAL INFORMATION:

Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:59:15
Time Test Ended: 02:48:15
Interval: 4292.00 ft (KB) To 4346.00 ft (KB) (TVD)
Total Depth: 4346.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2303.00 ft (KB)
2295.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73

Serial #: 8940 **Outside**
Press@RunDepth: psig @ 4329.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.04.11 End Date: 2015.04.12 Last Calib.: 2015.04.12
Start Time: 18:52:05 End Time: 02:48:14 Time On Btm:
Time Off Btm:

TEST COMMENT: 45 - IF- 3.75" blow
45 - IS- No return
45 - FF- 2.5" blow
45 - FS- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud - Oil spots, 100%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Marc Downing

20-19s-21w Ness, KS
Wiedeman #2-20
Job Ticket: 62424 **DST#: 1**
Test Start: 2015.04.11 @ 18:52:00

Tool Information

Drill Pipe:	Length: 4252.00 ft	Diameter: 3.80 inches	Volume: 59.64 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 99000.00 lb
			<u>Total Volume: 59.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4292.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	83.00 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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Change Over Sub	1.00			4264.00	
Shut In Tool	5.00			4269.00	
Hydraulic tool	5.00			4274.00	
Jars	5.00			4279.00	
Safety Joint	3.00			4282.00	
Packer	5.00			4287.00	29.00 Bottom Of Top Packer
Packer	5.00			4292.00	
Stubb	1.00			4293.00	
Perforations	3.00			4296.00	
Change Over Sub	1.00			4297.00	
Drill Pipe	31.00			4328.00	
Change Over Sub	1.00			4329.00	
Recorder	0.00	8648	Inside	4329.00	
Recorder	0.00	8940	Outside	4329.00	
Perforations	14.00			4343.00	
Bullnose	3.00			4346.00	54.00 Bottom Packers & Anchor
Total Tool Length:	83.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Marc Downing

20-19s-21w Ness,KS
Wiedeman #2-20
Job Ticket: 62424 **DST#: 1**
Test Start: 2015.04.11 @ 18:52:00

Mud and Cushion Information

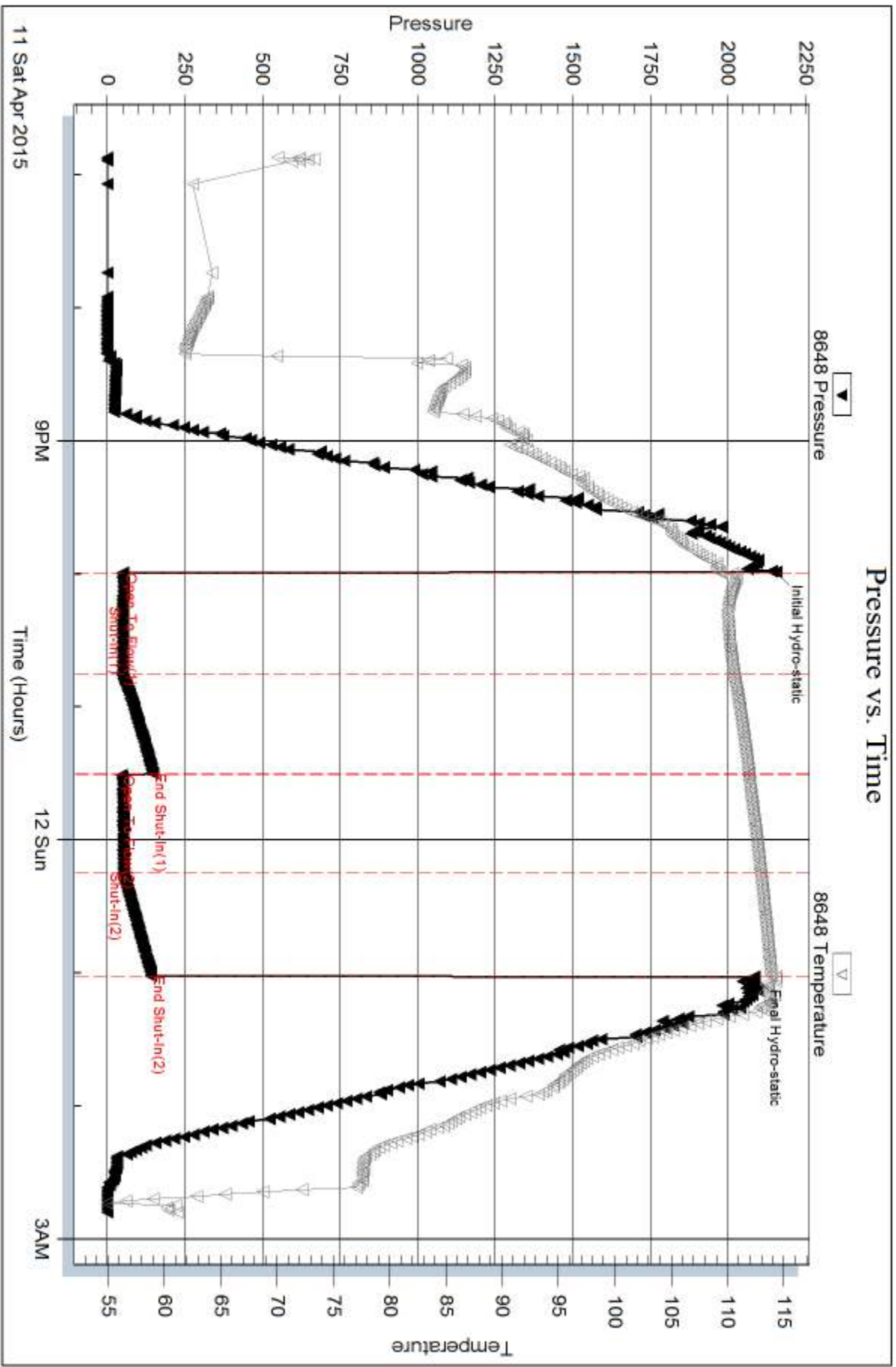
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud - Oil spots, 100%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

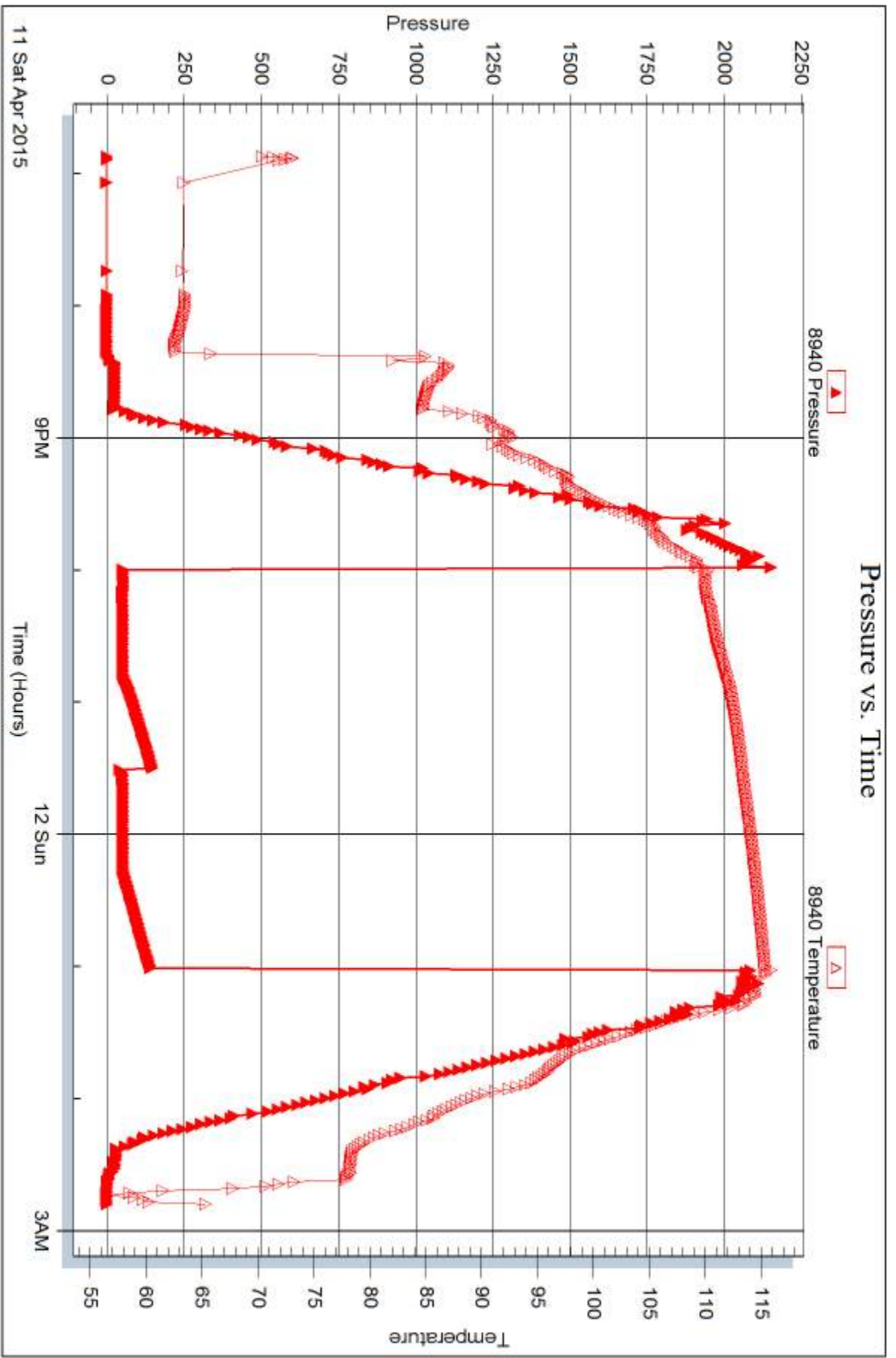


Serial #: 8940

Outside American Warrior Inc

Wiedeman #2-20

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 62424

Printed: 2015.04.13 @ 14:31:46



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Marc Downing

Wiedeman #2-20

20-19s-21w Ness,KS

Start Date: 2015.04.12 @ 13:46:00

End Date: 2015.04.12 @ 22:29:00

Job Ticket #: 62425 DST #: 2

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

Printed: 2015.04.13 @ 14:30:45



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, KS 67846
 ATTN: Marc Downing

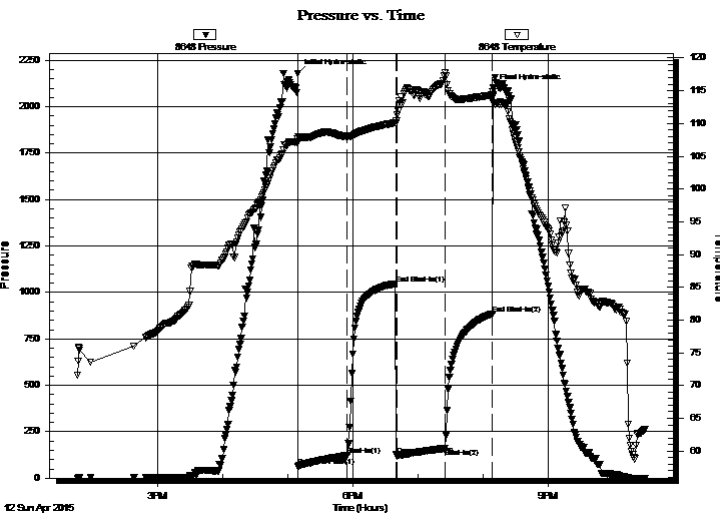
20-19s-21w Ness, KS
Wiedeman #2-20
 Job Ticket: 62425 **DST#: 2**
 Test Start: 2015.04.12 @ 13:46:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:09:00
 Time Test Ended: 22:29:00
 Interval: **4340.00 ft (KB) To 4428.00 ft (KB) (TVD)**
 Total Depth: 4428.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2303.00 ft (KB)
 2295.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8648 **Inside**
 Press@RunDepth: 162.04 psig @ 4408.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.12 End Date: 2015.04.12 Last Calib.: 2015.04.12
 Start Time: 13:46:05 End Time: 22:29:00 Time On Btm: 2015.04.12 @ 17:08:45
 Time Off Btm: 2015.04.12 @ 20:09:00

TEST COMMENT: 45 - IF- B.O.B. in 45 minutes
 45 - IS- No return
 45 - FF- B.O.B. in 24 minutes
 45 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.16	107.73	Initial Hydro-static
1	62.38	107.03	Open To Flow (1)
46	122.28	108.00	Shut-In(1)
91	1046.41	110.12	End Shut-In(1)
92	123.65	110.42	Open To Flow (2)
137	162.04	117.79	Shut-In(2)
180	883.82	114.32	End Shut-In(2)
181	2099.95	114.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCM, 10%O, 90%M	0.60
124.00	GOCM, 5%G, 25%O, 70%M	1.74
93.00	GO, 20%G, 80%O	1.30
0.00	310' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Marc Downing

20-19s-21w Ness, KS
Wiedeman #2-20
Job Ticket: 62425 **DST#: 2**
Test Start: 2015.04.12 @ 13:46:00

Tool Information

Drill Pipe:	Length: 4313.00 ft	Diameter: 3.80 inches	Volume: 60.50 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 60.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4340.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			4312.00	
Shut In Tool	5.00			4317.00	
Hydraulic tool	5.00			4322.00	
Jars	5.00			4327.00	
Safety Joint	3.00			4330.00	
Packer	5.00			4335.00	29.00 Bottom Of Top Packer
Packer	5.00			4340.00	
Stubb	1.00			4341.00	
Perforations	3.00			4344.00	
Change Over Sub	1.00			4345.00	
Drill Pipe	62.00			4407.00	
Change Over Sub	1.00			4408.00	
Recorder	0.00	8648	Inside	4408.00	
Recorder	0.00	8940	Outside	4408.00	
Perforations	17.00			4425.00	
Bullnose	3.00			4428.00	88.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Marc Downing

20-19s-21w Ness,KS
Wiedeman #2-20
Job Ticket: 62425 **DST#: 2**
Test Start: 2015.04.12 @ 13:46:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.18 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 7100.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

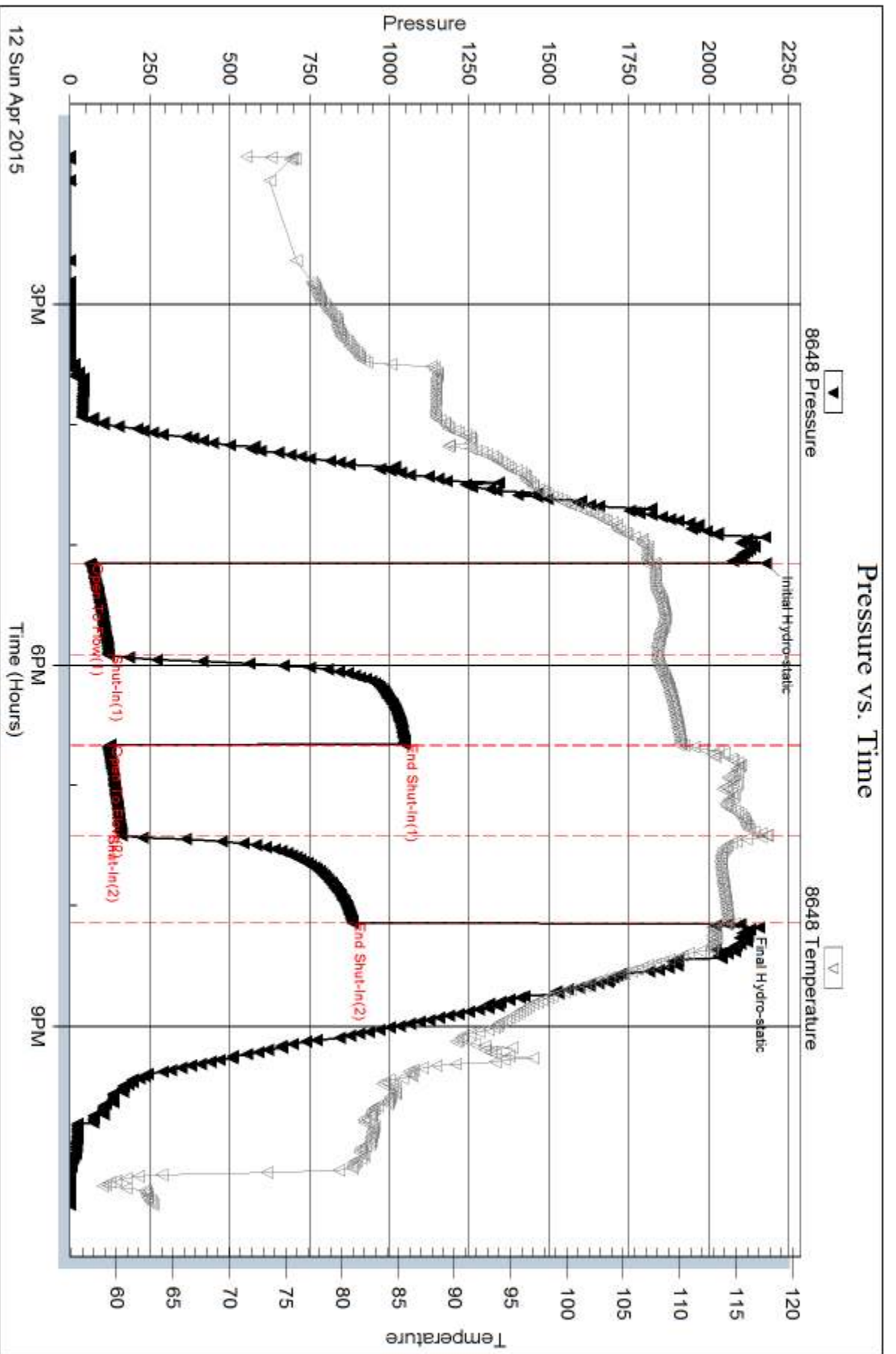
Length ft	Description	Volume bbl
62.00	SOCM, 10%O, 90%M	0.596
124.00	GOCM, 5%G, 25%O, 70%M	1.739
93.00	GO, 20%G, 80%O	1.305
0.00	310' G.I.P.	0.000

Total Length: 279.00 ft Total Volume: 3.640 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 35 @ 70 Degrees = 34 Gravity

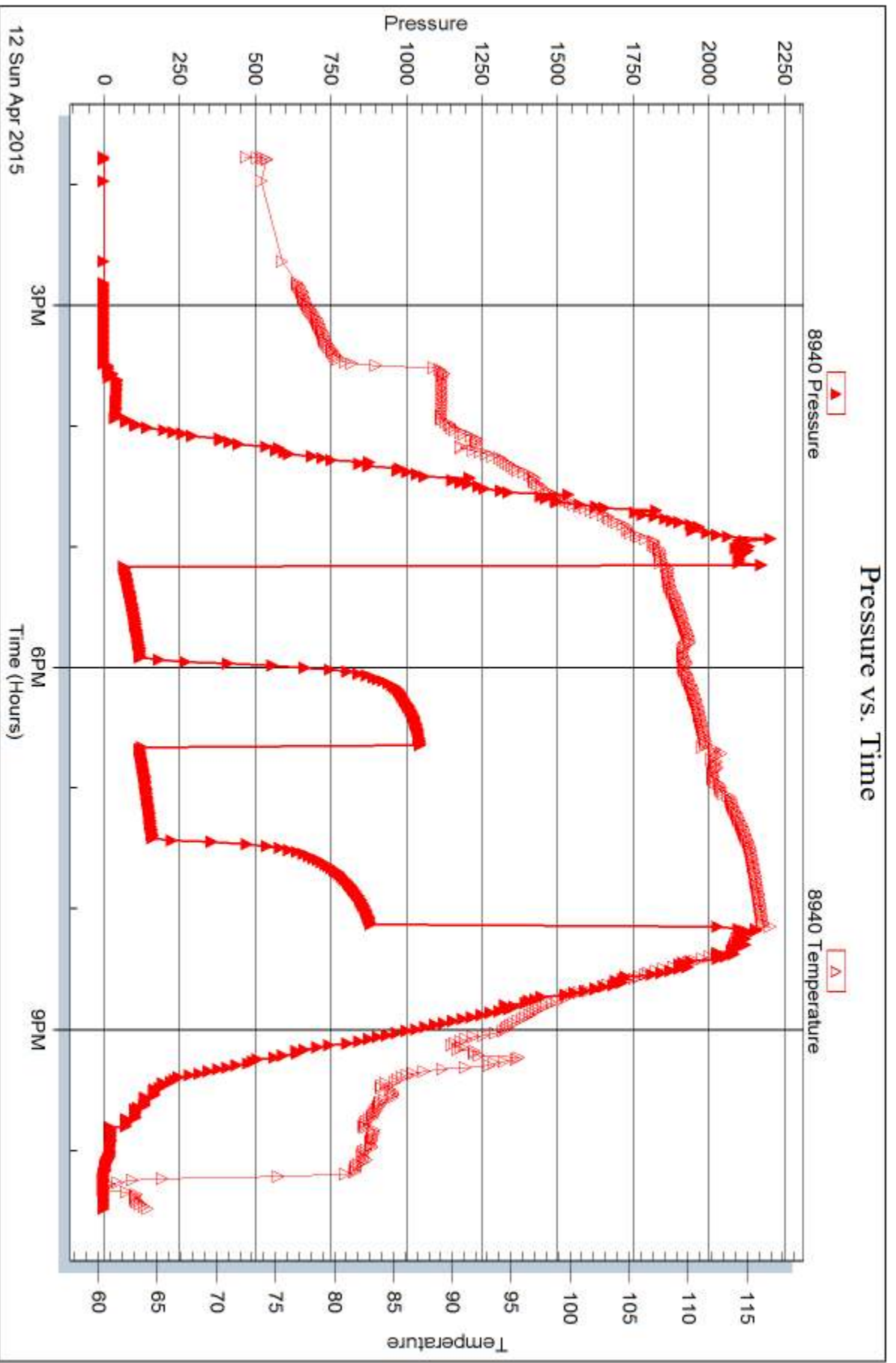


Serial #: 8940

Outside American Warrior Inc

Wiedeman #2-20

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 62425

Printed: 2015.04.13 @ 14:30:47



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62424

Well Name & No. Wiedeman 2-20 Test No. 1 Date 4-11-15
 Company American Warrior Inc Elevation 2303 KB 2295 GL
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Marc Downing Rig Discovery #3
 Location: Sec. 20 Twp. 19s Rge. 21w Co. Ness State KS

Interval Tested 4292-4346 Zone Tested Ft. Scott
 Anchor Length 54' Drill Pipe Run 4252' Mud Wt. 9.3
 Top Packer Depth 4297 Drill Collars Run 30' Vis 56
 Bottom Packer Depth 4292 Wt. Pipe Run — WL 8.4
 Total Depth 4346 Chlorides 6.600 ppm System LCM 1/2
 Blow Description IF- 3.75" blow
ISI- No return
FF- 2.5" blow
FSI- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud - oil 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 30 BHT 1130 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2154</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1830</u>
(B) First Initial Flow <u>50</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1852</u>
(C) First Final Flow <u>49</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2200</u>
(D) Initial Shut-In <u>146</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0100</u>
(E) Second Initial Flow <u>44</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0248</u>
(F) Second Final Flow <u>52</u>	<input checked="" type="checkbox"/> Mileage <u>114RT</u> 114	Comments <u>Supper to be on</u>
(G) Final Shut-In <u>140</u>	<input type="checkbox"/> Sampler	<u>bank @ 7:30pm on</u>
(H) Final Hydrostatic <u>2086</u>	<input type="checkbox"/> Straddle	<u>bank @ 9:00pm</u>
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1589</u>
	Sub Total <u>1589</u>	MP/DST Disc't

Approved By _____ Our Representative Cody Bl...

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. 62425

Well Name & No. Wiedeman 2-20 Test No. 2 Date 4-12-15
 Company American Warrior Inc Elevation 2303 KB 2295 GL
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Marc Downing Rig Discovery #3
 Location: Sec. 20 Twp. 19S Rge. 21W Co. Ncss State KS

Interval Tested 4340-4428 Zone Tested Miss
 Anchor Length 88' Drill Pipe Run 4313 Mud Wt. 9.3
 Top Packer Depth 4335 Drill Collars Run 30' Vis 52
 Bottom Packer Depth 4340 Wt. Pipe Run — WL 9.2
 Total Depth 4428 Chlorides 7,100 ppm System LCM Tr
 Blow Description IF- B.O.B. in 45 minutes
ISI- No return
FF- B.O.B. in 24 minutes
FSI- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>50CM</u>	<u>10</u>	<u>90</u>	<u>90</u>	<u>90</u>
<u>124</u>	<u>60CM</u>	<u>5</u>	<u>25</u>	<u>70</u>	<u>70</u>
<u>93</u>	<u>60</u>	<u>20</u>	<u>80</u>		
	<u>310' G.I.P.</u>				
Rec Total	<u>279'</u>	BHT <u>1140</u>	Gravity <u>34</u>	API RW <u>—</u>	@ <u>—</u> F Chlorides <u>—</u> ppm

(A) Initial Hydrostatic 2180 Test 1150 T-On Location 1332
 (B) First Initial Flow 62 Jars 250 T-Started 1346
 (C) First Final Flow 122 Safety Joint 75 T-Open 1709
 (D) Initial Shut-In 1046 Circ Sub _____ T-Pulled 2009
 (E) Second Initial Flow 123 Hourly Standby _____ T-Out 2229
 (F) Second Final Flow 162 Mileage 114RT 114 Comments _____
 (G) Final Shut-In 883 Sampler _____
 (H) Final Hydrostatic 2099 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1589
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1589

Approved By _____ Our Representative Cody R...

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.