



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 Po Box 399
 Garden City KS, 67846
 ATTN: Jason Alm

29-17s-21w Ness KS
Fritz-Brenner Unit 1
 Job Ticket: 59330 **DST#: 1**
 Test Start: 2014.08.07 @ 19:50:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:00:15
 Time Test Ended: 02:16:15
 Interval: **4304.00 ft (KB) To 4312.00 ft (KB) (TVD)**
 Total Depth: 4312.00 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: 2118.00 ft (KB)
 2110.00 ft (CF)
 KB to GR/CF: 8.00 ft

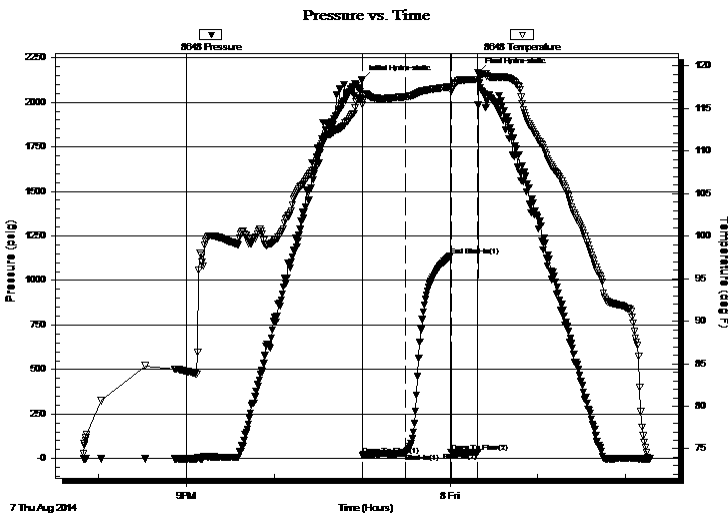
Serial #: 8648

Inside

Press @ Run Depth: 29.65 psig @ 4309.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.07 End Date: 2014.08.08 Last Calib.: 2014.08.08
 Start Time: 19:50:05 End Time: 02:16:14 Time On Btm: 2014.08.07 @ 23:00:00
 Time Off Btm: 2014.08.08 @ 00:19:30

TEST COMMENT: 30 - IF- 1/2" blow
 30 - IS- No return
 10 - FF- No blow for 10 minutes, Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2126.58	116.20	Initial Hydro-static
1	20.63	115.46	Open To Flow (1)
30	29.65	116.37	Shut-In(1)
61	1138.36	117.57	End Shut-In(1)
61	37.04	117.01	Open To Flow (2)
79	34.68	118.37	Shut-In(2)
80	2167.70	119.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM, 5%O, 95%M	0.15
5.00	Free Oil, 100%O	0.07

Gas Rates

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



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29-17s-21w Ness KS
Fritz-Brenner Unit 1
Job Ticket: 59330 **DST#: 1**
Test Start: 2014.08.07 @ 19:50:00

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: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOCM, 5%O, 95%M	0.148
5.00	Free Oil, 100%O	0.070

Total Length: 35.00 ft Total Volume: 0.218 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

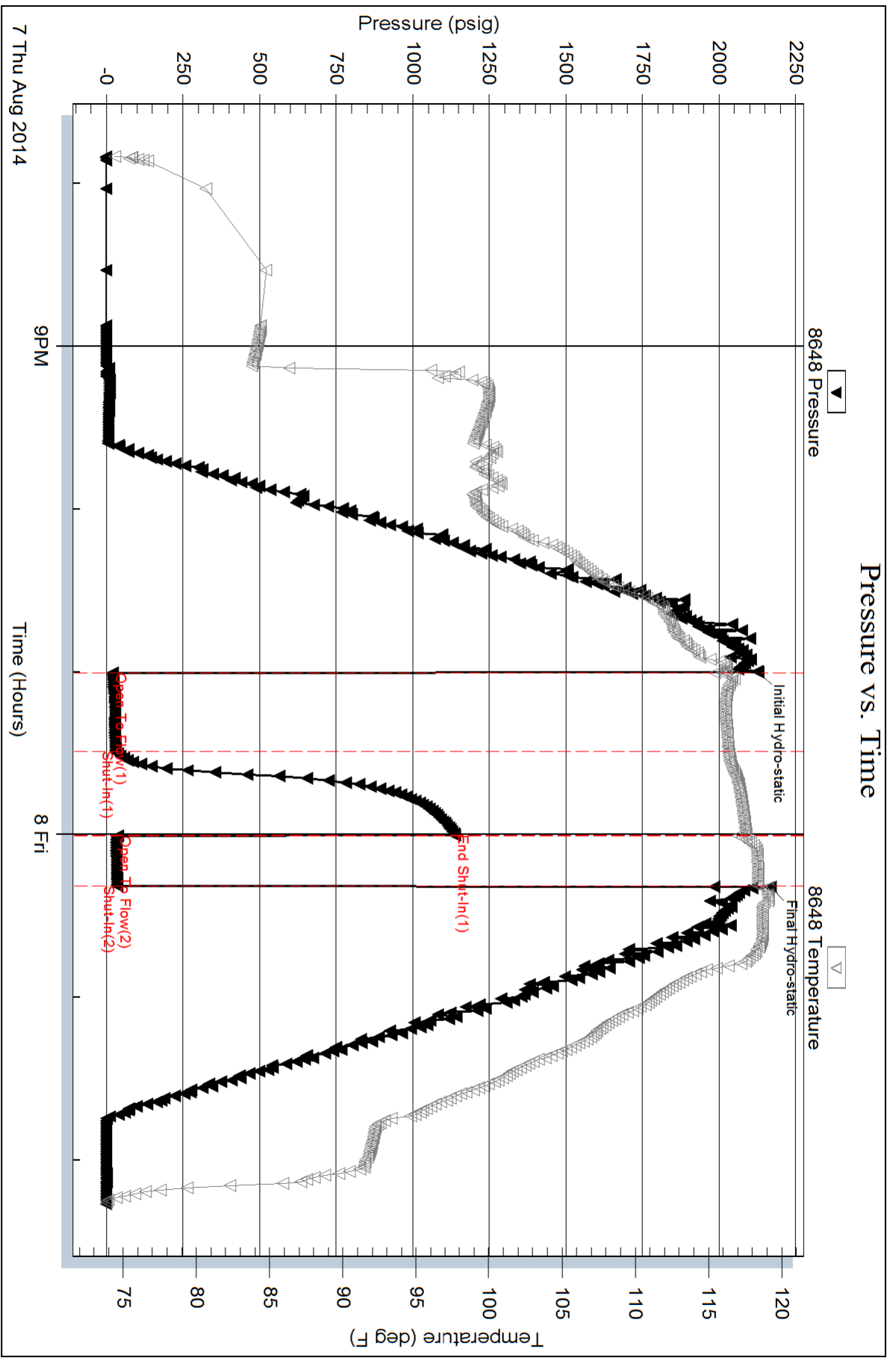
Serial #: 8648

Inside

American Warrior Inc

Fritz-Brenner Unit 1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 59330

Printed: 2014.08.08 @ 04:53:07



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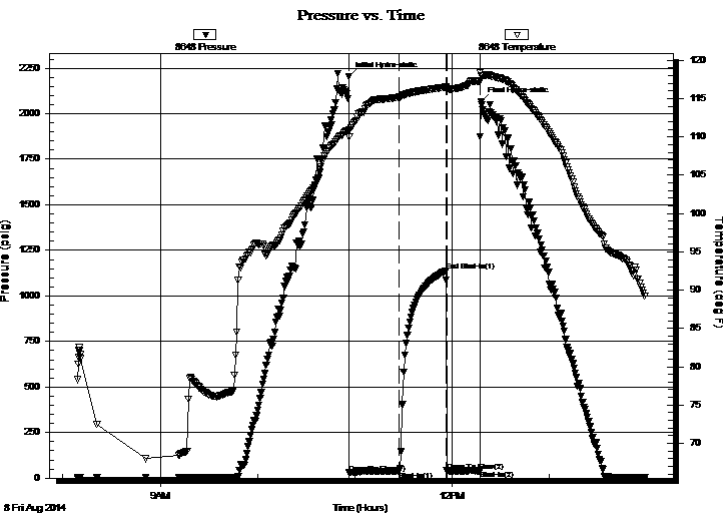
29-17s-21w Ness KS
Fritz-Brenner Unit 1
Job Ticket: 59331 **DST#: 2**
Test Start: 2014.08.08 @ 08:09:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:56:30
Time Test Ended: 13:58:30
Interval: **4312.00 ft (KB) To 4320.00 ft (KB) (TVD)**
Total Depth: 4320.00 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: 2118.00 ft (KB)
2110.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8648 Inside
Press@RunDepth: 38.92 psig @ 4317.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.08.08 End Date: 2014.08.08 Last Calib.: 2014.08.08
Start Time: 08:09:05 End Time: 13:58:29 Time On Btm: 2014.08.08 @ 10:56:15
Time Off Btm: 2014.08.08 @ 12:17:45

TEST COMMENT: 30 - IF- 1" blow in 15 minutes, died back to 3/4" blow
30 - IS- No return
20 - FF- No blow for 20 minutes, pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.26	110.95	Initial Hydro-static
1	28.68	110.00	Open To Flow (1)
31	38.92	115.19	Shut-In(1)
60	1137.78	116.52	End Shut-In(1)
61	39.83	116.09	Open To Flow (2)
81	40.94	117.28	Shut-In(2)
82	2064.36	117.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	WM - Oil spots, 20%W, 80%M	0.36

* Recovery from multiple tests

Gas Rates

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



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Fritz-Brenner Unit 1
Job Ticket: 59331 **DST#: 2**
Test Start: 2014.08.08 @ 08:09:00

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:	25000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	WM - Oil spots, 20%W, 80%M	0.358

Total Length: 45.00 ft Total Volume: 0.358 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Salinity: .26 @ 70 Degrees = 25000

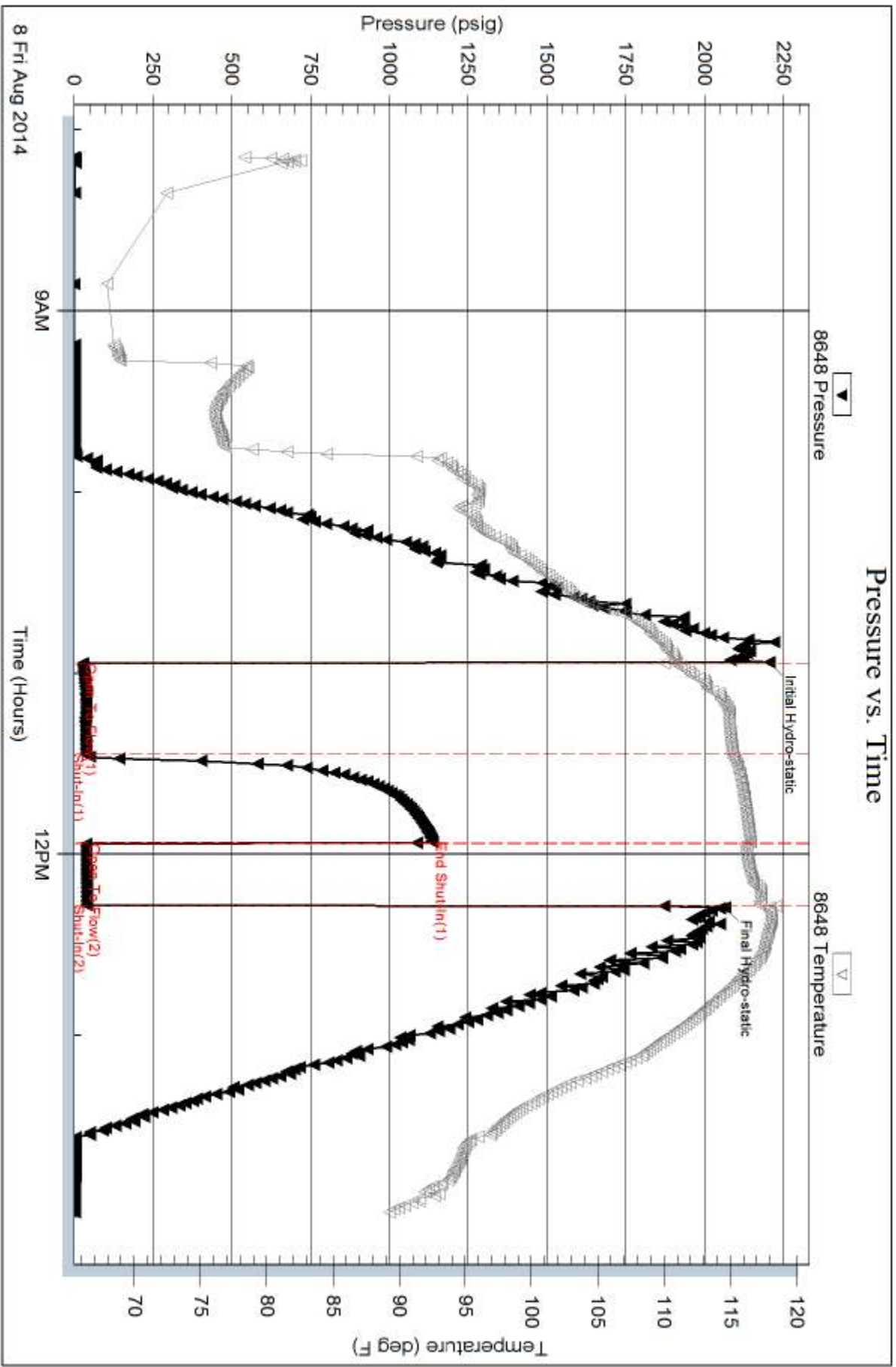
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Inside

American Warrior Inc

Fritz-Brenner Unit 1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 59331

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