

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Evans #1-26

26 15s 30w Gove,KS

Start Date: 2017.04.11 @ 14:35:00

End Date: 2017.04.11 @ 21:00:15

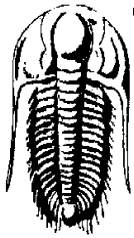
Job Ticket #: 63772 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.04.14 @ 14:29:02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

26 15s 30w Gove, KS

Evans #1-26

Job Ticket: 63772

DST#: 1

Test Start: 2017.04.11 @ 14:35:00

GENERAL INFORMATION:

Formation: **LKC C-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:23:45

Time Test Ended: 21:00:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 3730.00 ft (KB) To 3805.00 ft (KB) (TVD)

Total Depth: 3805.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2625.00 ft (KB)

2617.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8845 Outside

Press@RunDepth: 142.42 psig @ 3731.00 ft (KB)

Start Date: 2017.04.11

End Date:

2017.04.11

Start Time: 14:35:05

End Time:

21:00:14

Capacity: 8000.00 psig

Last Calib.: 2017.04.11

Time On Btm: 2017.04.11 @ 16:23:00

Time Off Btm: 2017.04.11 @ 19:30:00

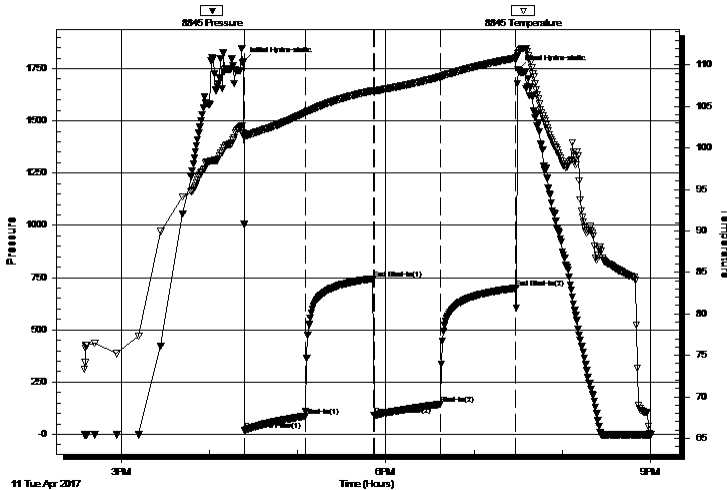
TEST COMMENT: IF: BOB @ 43 min.

IS: No return.

FF: 6" blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

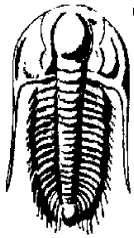
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.26	101.76	Initial Hydro-static
1	18.79	101.28	Open To Flow (1)
43	87.48	104.25	Shut-In(1)
89	744.64	106.91	End Shut-In(1)
89	90.21	106.75	Open To Flow (2)
134	142.42	108.57	Shut-In(2)
186	698.93	110.82	End Shut-In(2)
187	1746.42	111.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
290.00	mcw 40m 60w (oil speks)	2.43

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
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ATTN: Jason Alm

26 15s 30w Gove, KS

Evans #1-26

Job Ticket: 63772

DST#: 1

Test Start: 2017.04.11 @ 14:35:00

GENERAL INFORMATION:

Formation: **LKC C-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:23:45

Time Test Ended: 21:00:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 3730.00 ft (KB) To 3805.00 ft (KB) (TVD)

Reference Elevations: 2625.00 ft (KB)

Total Depth: 3805.00 ft (KB) (TVD)

2617.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8365 Inside

Press@RunDepth: psig @ 3731.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.04.11

End Date:

2017.04.11

Last Calib.:

2017.04.11

Start Time: 14:35:05

End Time:

21:00:14

Time On Btm:

Time Off Btm:

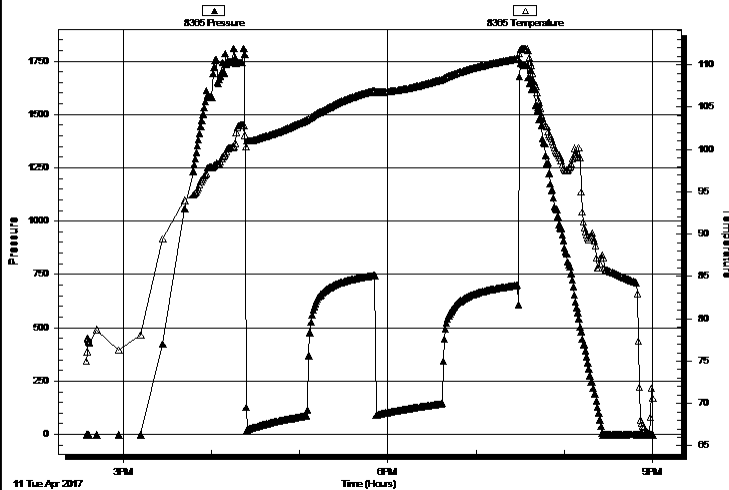
TEST COMMENT: IF: BOB @ 43 min.

IS: No return.

FF: 6" blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

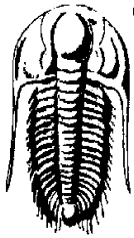
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
290.00	mcw 40m 60w (oil speks)	2.43

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

26 15s 30w Gove,KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63772

DST#: 1

ATTN: Jason Alm

Test Start: 2017.04.11 @ 14:35:00

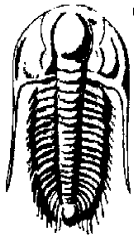
Tool Information

Drill Pipe:	Length:	3437.00 ft	Diameter:	3.80 inches	Volume:	48.21 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	279.00 ft	Diameter:	2.90 inches	Volume:	2.28 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	50.49 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	6.00 ft							
Depth to Top Packer:	3730.00 ft							
Depth to Bottom Packer:	ft							
Interval between Packers:	75.00 ft							
Tool Length:	95.00 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			3711.00	
Shut In Tool	5.00			3716.00	
Hydraulic tool	5.00			3721.00	
Packer	5.00			3726.00	20.00 Bottom Of Top Packer
Packer	4.00			3730.00	
Stubb	1.00			3731.00	
Recorder	0.00	8365	Inside	3731.00	
Recorder	0.00	8845	Outside	3731.00	
Perforations	6.00			3737.00	
Change Over Sub	1.00			3738.00	
Drill Pipe	63.00			3801.00	
Change Over Sub	1.00			3802.00	
Bullnose	3.00			3805.00	75.00 Bottom Packers & Anchor

Total Tool Length: 95.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

26 15s 30w Gove, KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63772

DST#: 1

ATTN: Jason Alm

Test Start: 2017.04.11 @ 14:35:00

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:

31000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
290.00	mcw 40m 60w (oil speks)	2.434

Total Length: 290.00 ft Total Volume: 2.434 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

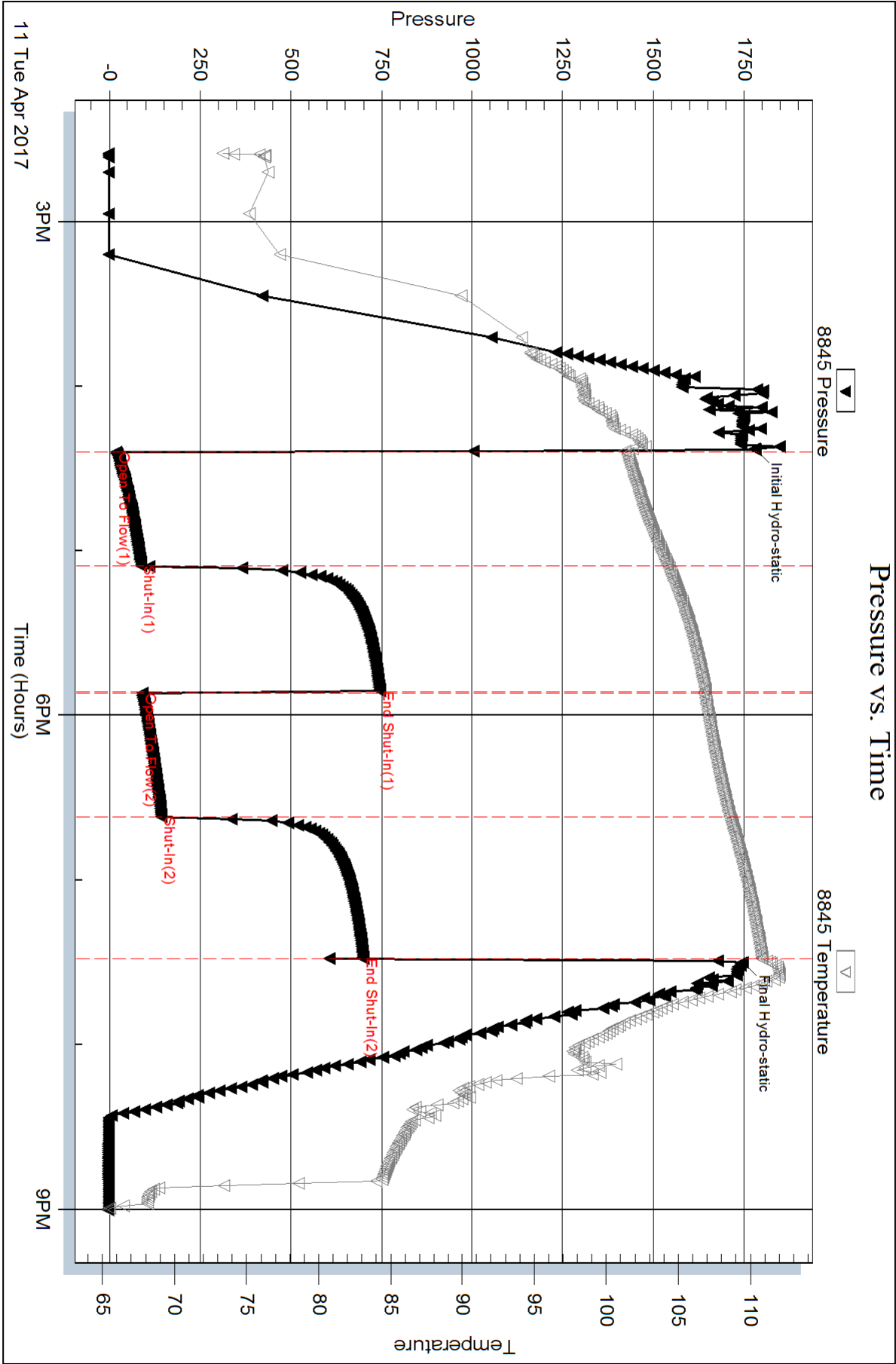
Recovery Comments: rw is .259 @ 61f = 31000ppm

Serial #: 8845

Outside American Warrior, Inc.

Evans #1-26

DST Test Number: 1



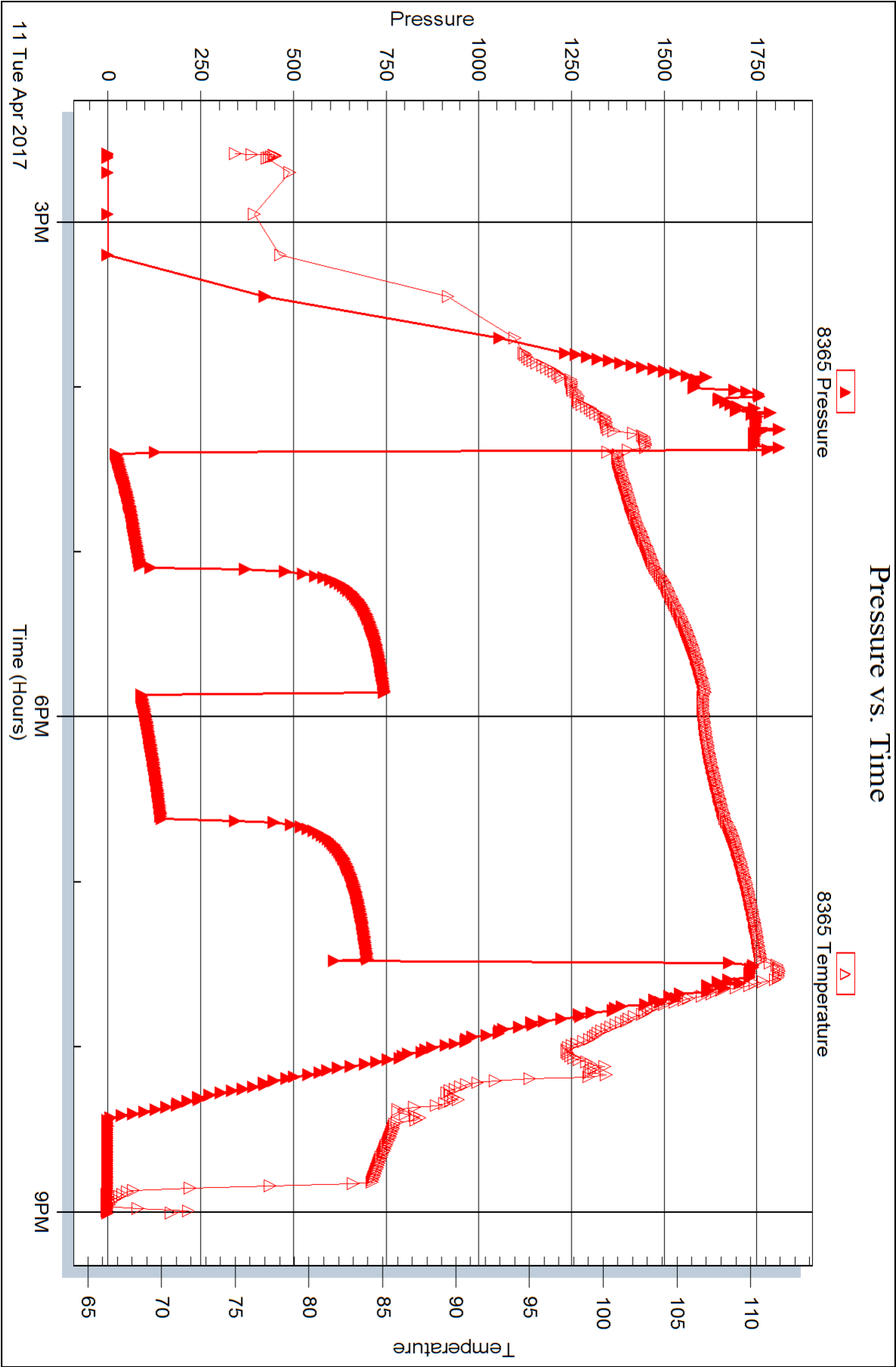
Serial #: 8365

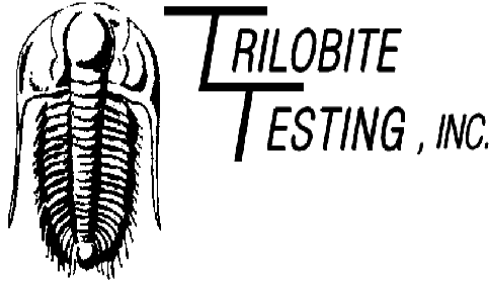
Inside

American Warrior, Inc.

Evans #1-26

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Evans #1-26

26 15s 30w Gove,KS

Start Date: 2017.04.12 @ 09:52:00

End Date: 2017.04.12 @ 15:33:15

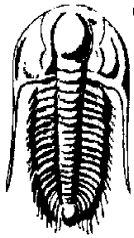
Job Ticket #: 63773 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.04.14 @ 14:28:29



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

26 15s 30w Gove, KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63773

DST#: 2

ATTN: Jason Alm

Test Start: 2017.04.12 @ 09:52:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:40:45

Time Test Ended: 15:33:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 3870.00 ft (KB) To 3970.00 ft (KB) (TVD)

Reference Elevations: 2625.00 ft (KB)

Total Depth: 3970.00 ft (KB) (TVD)

2617.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8845 Outside

Press@RunDepth: 34.45 psig @ 3871.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.04.12

End Date:

2017.04.12

Last Calib.: 2017.04.12

Start Time: 09:52:05

End Time:

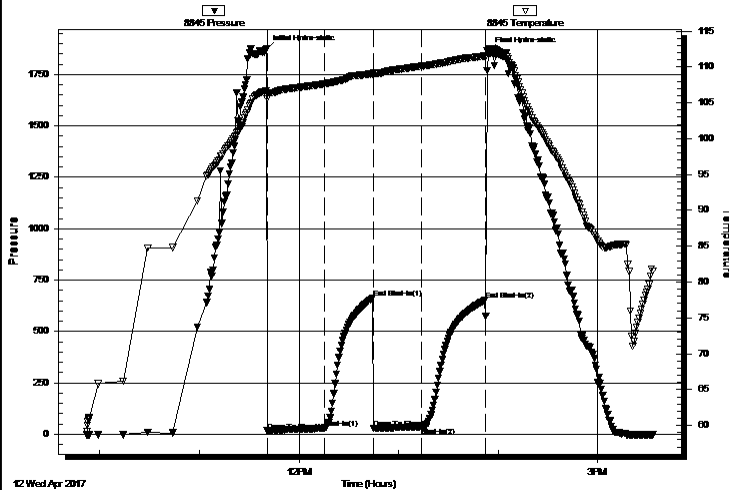
15:33:14

Time On Btm: 2017.04.12 @ 11:40:30

Time Off Btm: 2017.04.12 @ 13:54:00

TEST COMMENT: IF: 2" blow.
IS: No return.
FF: 1/4" blow.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1872.74	106.68	Initial Hydro-static
1	17.16	105.63	Open To Flow (1)
35	28.35	107.65	Shut-In(1)
64	663.20	109.06	End Shut-In(1)
65	29.72	108.76	Open To Flow (2)
94	34.45	110.10	Shut-In(2)
132	651.56	111.55	End Shut-In(2)
134	1860.45	112.42	Final Hydro-static

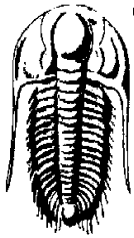
Recovery

Length (ft)	Description	Volume (bbl)
45.00	mud 100m (oil spots)	0.33

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

26 15s 30w Gove, KS

Evans #1-26

Job Ticket: 63773

DST#: 2

Test Start: 2017.04.12 @ 09:52:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:40:45

Time Test Ended: 15:33:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 3870.00 ft (KB) To 3970.00 ft (KB) (TVD)

Total Depth: 3970.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2625.00 ft (KB)

2617.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8365 Inside

Press@RunDepth: psig @ 3871.00 ft (KB)

Start Date: 2017.04.12

End Date:

2017.04.12

Start Time: 09:52:05

End Time:

15:33:14

Capacity: 8000.00 psig

Last Calib.:

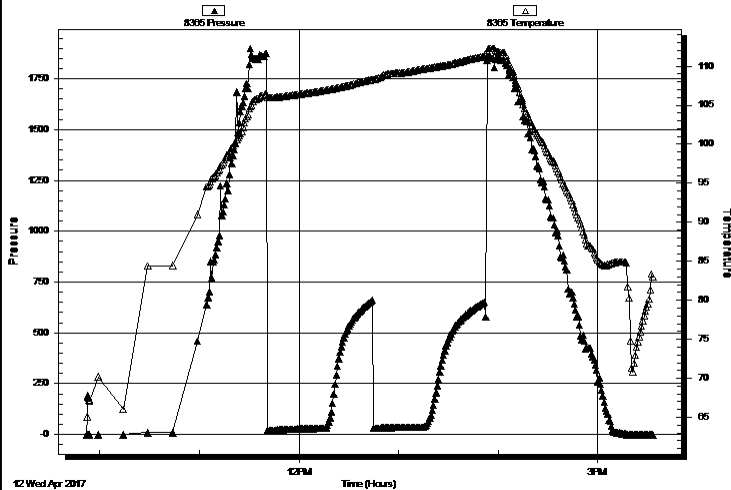
2017.04.12

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 2" blow .
IS: No return.
FF: 1/4" blow .
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

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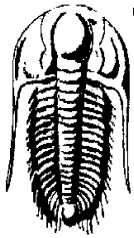
Recovery

Length (ft)	Description	Volume (bbl)
45.00	mud 100m (oil spots)	0.33

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

26 15s 30w Gove,KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63773

DST#: 2

ATTN: Jason Alm

Test Start: 2017.04.12 @ 09:52:00

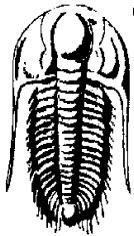
Tool Information

Drill Pipe:	Length:	3590.00 ft	Diameter:	3.80 inches	Volume:	50.36 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	279.00 ft	Diameter:	2.75 inches	Volume:	2.05 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	52.41 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	19.00 ft							
Depth to Top Packer:	3870.00 ft							
Depth to Bottom Packer:	ft							
Interval between Packers:	100.00 ft							
Tool Length:	120.00 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			3851.00	
Shut In Tool	5.00			3856.00	
Hydraulic tool	5.00			3861.00	
Packer	5.00			3866.00	20.00 Bottom Of Top Packer
Packer	4.00			3870.00	
Stubb	1.00			3871.00	
Recorder	0.00	8365	Inside	3871.00	
Recorder	0.00	8845	Outside	3871.00	
Perforations	31.00			3902.00	
Change Over Sub	1.00			3903.00	
Drill Pipe	63.00			3966.00	
Change Over Sub	1.00			3967.00	
Bullnose	3.00			3970.00	100.00 Bottom Packers & Anchor

Total Tool Length: 120.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

26 15s 30w Gove, KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63773

DST#: 2

ATTN: Jason Alm

Test Start: 2017.04.12 @ 09:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

0 deg API

0 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	mud 100m (oil spots)	0.331

Total Length: 45.00 ft

Total Volume: 0.331 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

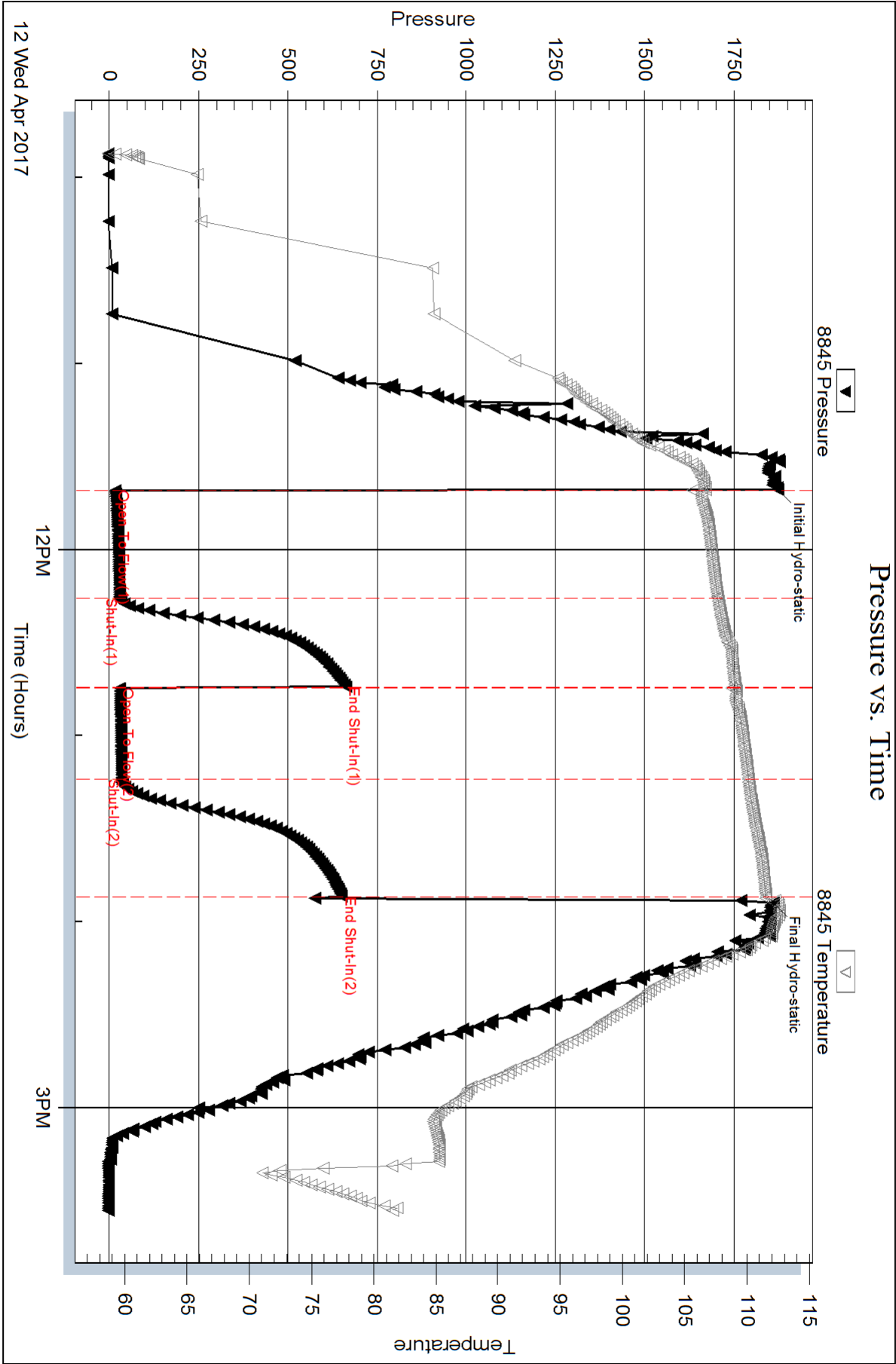
Recovery Comments:

Serial #: 8845

Outside American Warrior, Inc.

Evans #1-26

DST Test Number: 2



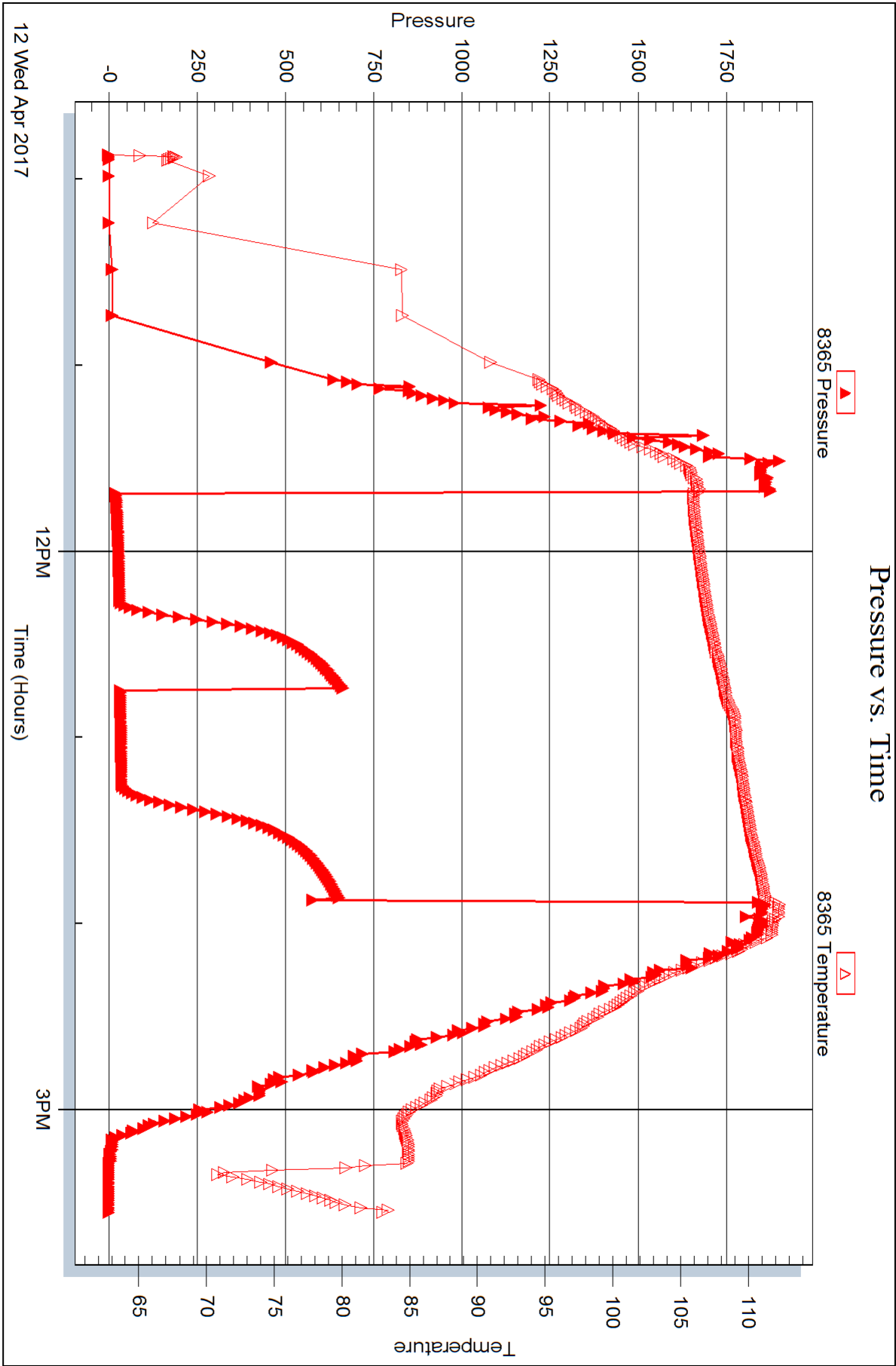
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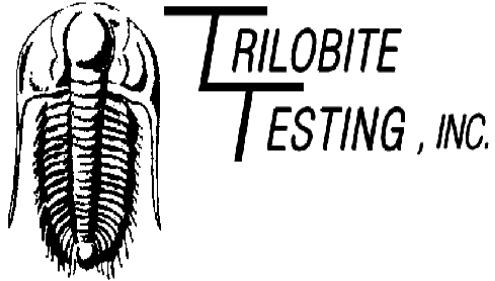
Inside

American Warrior, Inc.

Evans #1-26

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Evans #1-26

26 15s 30w Gove,KS

Start Date: 2017.04.12 @ 23:16:00

End Date: 2017.04.13 @ 06:33:15

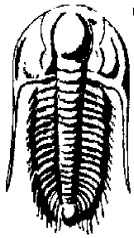
Job Ticket #: 63774 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.04.14 @ 14:27:52



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

26 15s 30w Gove, KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63774

DST#: 3

ATTN: Jason Alm

Test Start: 2017.04.12 @ 23:16:00

GENERAL INFORMATION:

Formation: **LKC K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:23:15

Time Test Ended: 06:33:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 3966.00 ft (KB) To 4020.00 ft (KB) (TVD)

Total Depth: 4020.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2625.00 ft (KB)

2617.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8845 Outside

Press@RunDepth: 326.78 psig @ 3967.00 ft (KB)

Start Date: 2017.04.12

End Date:

2017.04.13

Start Time: 23:16:05

End Time:

06:33:14

Capacity: 8000.00 psig

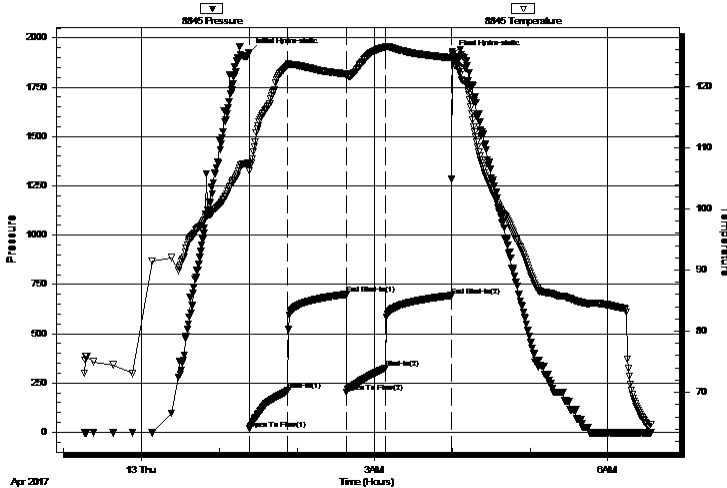
Last Calib.: 2017.04.13

Time On Btm: 2017.04.13 @ 01:23:00

Time Off Btm: 2017.04.13 @ 04:00:15

TEST COMMENT: IF: BOB @ 6 min.
IS: No return.
FF: BOB @ 10 min.
FS: Surface rereturn, Died @ 15 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1926.91	107.47	Initial Hydro-static
1	18.03	106.22	Open To Flow (1)
30	212.46	123.47	Shut-In(1)
75	699.56	122.08	End Shut-In(1)
76	204.38	121.73	Open To Flow (2)
106	326.78	126.46	Shut-In(2)
156	693.40	124.68	End Shut-In(2)
158	1917.41	124.42	Final Hydro-static

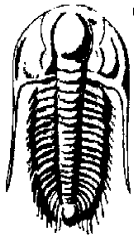
Recovery

Length (ft)	Description	Volume (bbl)
390.00	somcw 1o 3m 96w	3.84
240.00	somcw 1o 30m 69w	3.37
0.00	60' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

26 15s 30w Gove, KS

Evans #1-26

Job Ticket: 63774

DST#: 3

Test Start: 2017.04.12 @ 23:16:00

GENERAL INFORMATION:

Formation: **LKC K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:23:15

Time Test Ended: 06:33:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 3966.00 ft (KB) To 4020.00 ft (KB) (TVD)

Total Depth: 4020.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2625.00 ft (KB)

2617.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8365 Inside

Press@RunDepth: psig @ 3967.00 ft (KB)

Start Date: 2017.04.12

End Date:

2017.04.13

Start Time: 23:16:05

End Time:

06:33:14

Capacity: 8000.00 psig

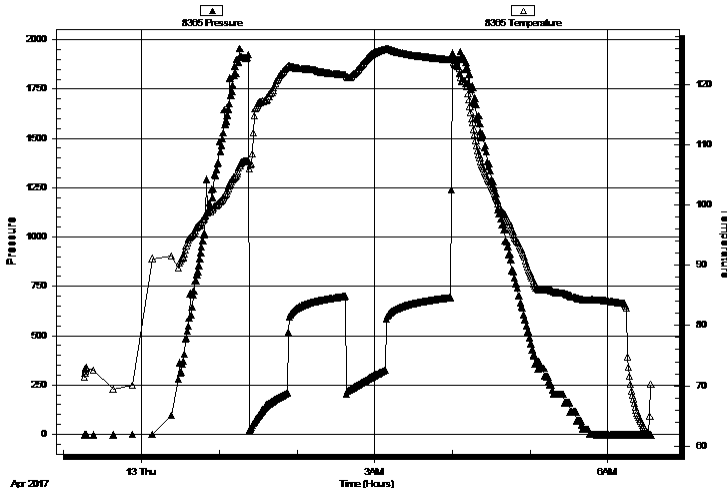
Last Calib.: 2017.04.13

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 6 min.
IS: No return.
FF: BOB @ 10 min.
FS: Surface return, Died @ 15 min.

Pressure vs. Time



PRESSURE SUMMARY

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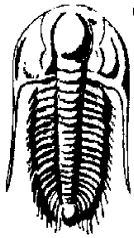
Recovery

Length (ft)	Description	Volume (bbl)
390.00	somcw 1o 3m 96w	3.84
240.00	somcw 1o 30m 69w	3.37
0.00	60' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

26 15s 30w Gove,KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63774

DST#: 3

ATTN: Jason Alm

Test Start: 2017.04.12 @ 23:16:00

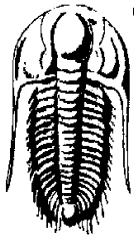
Tool Information

Drill Pipe:	Length:	3686.00 ft	Diameter:	3.80 inches	Volume:	51.70 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	279.00 ft	Diameter:	2.90 inches	Volume:	2.28 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	75000.00 lb
					Total Volume:	53.98 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft					String Weight: Initial	54000.00 lb	
Depth to Top Packer:	3966.00 ft					Final	56000.00 lb	
Depth to Bottom Packer:	ft							
Interval between Packers:	54.00 ft							
Tool Length:	74.00 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			3947.00	
Shut In Tool	5.00			3952.00	
Hydraulic tool	5.00			3957.00	
Packer	5.00			3962.00	20.00 Bottom Of Top Packer
Packer	4.00			3966.00	
Stubb	1.00			3967.00	
Recorder	0.00	8365	Inside	3967.00	
Recorder	0.00	8845	Outside	3967.00	
Perforations	17.00			3984.00	
Change Over Sub	1.00			3985.00	
Drill Pipe	31.00			4016.00	
Change Over Sub	1.00			4017.00	
Bullnose	3.00			4020.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

26 15s 30w Gove,KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63774

DST#: 3

ATTN: Jason Alm

Test Start: 2017.04.12 @ 23:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

0 deg API

Water Salinity: 44000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
390.00	somcw 1o 3m 96w	3.836
240.00	somcw 1o 30m 69w	3.367
0.00	60' GIP	0.000

Total Length: 630.00 ft Total Volume: 7.203 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

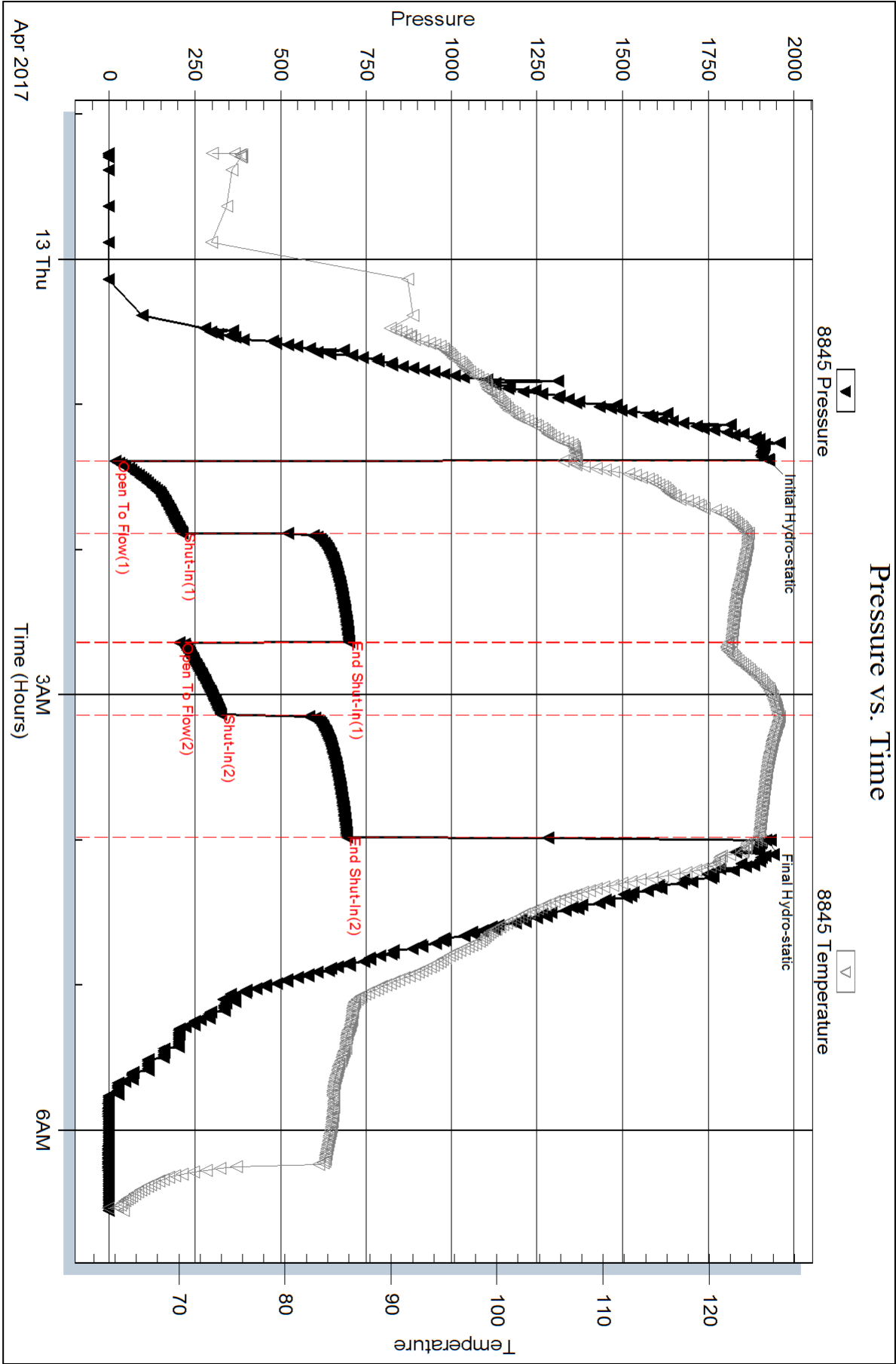
Recovery Comments: rw is .208 @ 56F = 44000ppm

Serial #: 8845

Outside American Warrior, Inc.

Evans #1-26

DST Test Number: 3



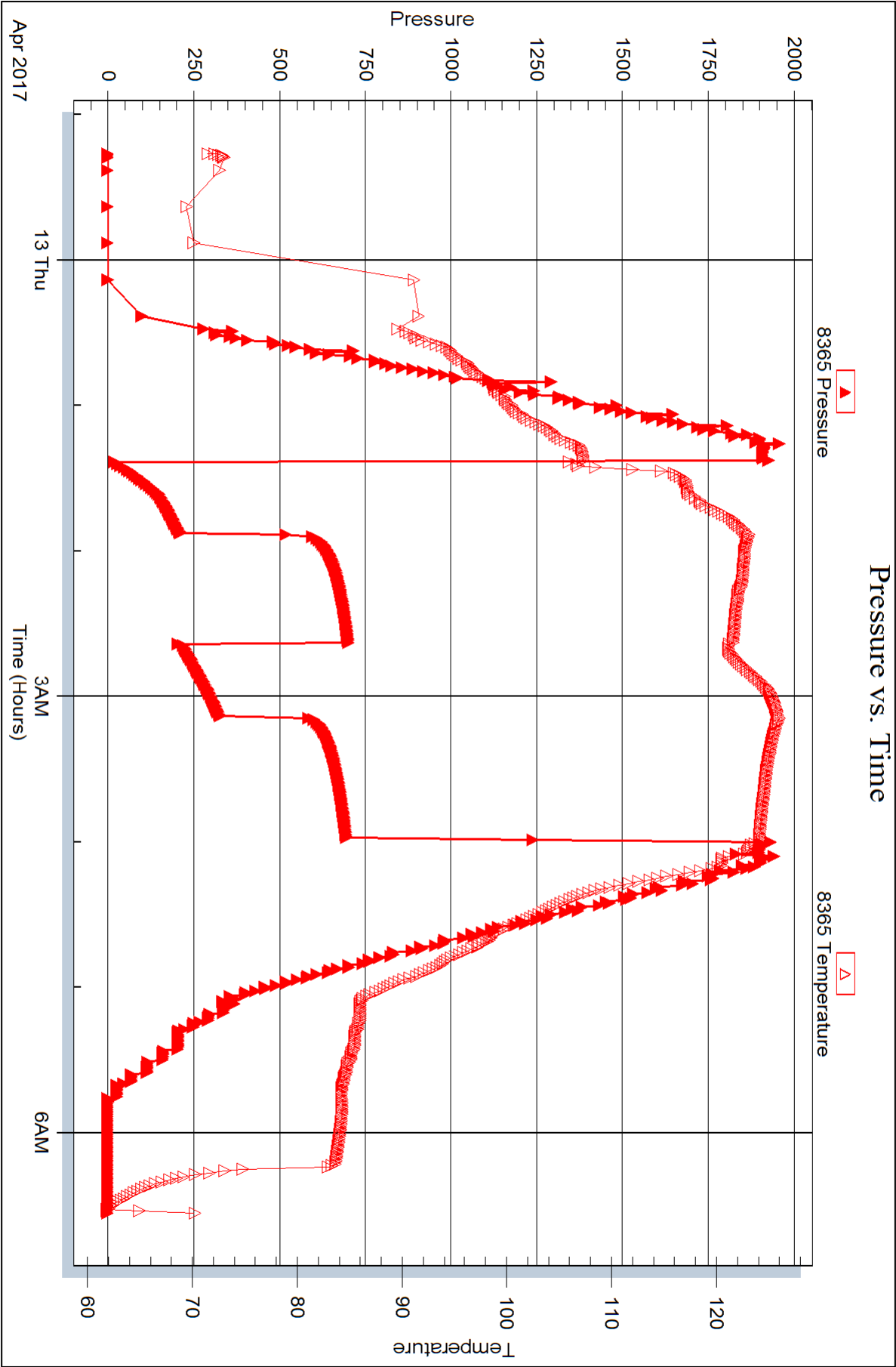
Serial #: 8365

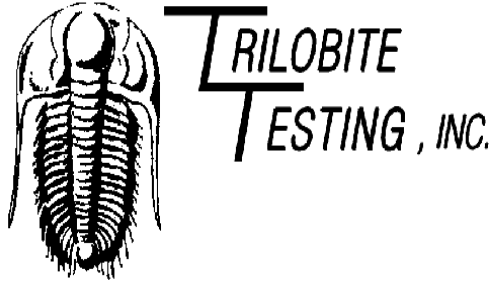
Inside

American Warrior, Inc.

Evans #1-26

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Evans #1-26

26 15s 30w Gove,KS

Start Date: 2017.04.14 @ 06:29:30

End Date: 2017.04.14 @ 12:17:00

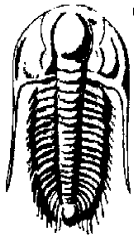
Job Ticket #: 63775 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.04.14 @ 14:27:11



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

26 15s 30w Gove, KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63775

DST#: 4

ATTN: Jason Alm

Test Start: 2017.04.14 @ 06:29:30

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:21:00

Time Test Ended: 12:17:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4246.00 ft (KB) To 4310.00 ft (KB) (TVD)

Total Depth: 4310.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2625.00 ft (KB)

2617.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8845 Outside

Press@RunDepth: 22.68 psig @ 4247.00 ft (KB)

Start Date: 2017.04.14

End Date:

2017.04.14

Start Time: 06:29:35

End Time:

12:16:59

Capacity: 8000.00 psig

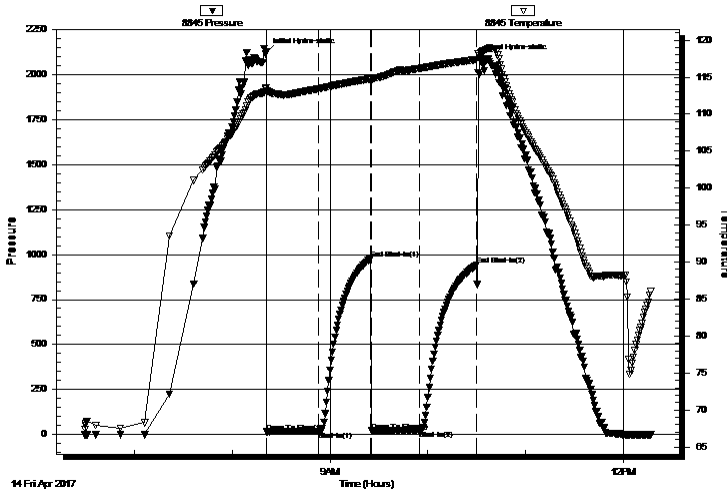
Last Calib.: 2017.04.14

Time On Btm: 2017.04.14 @ 08:20:45

Time Off Btm: 2017.04.14 @ 10:31:45

TEST COMMENT: IF: 1" blow.
IS: No return.
FF: Surface blow.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2126.38	113.56	Initial Hydro-static
1	14.71	112.96	Open To Flow (1)
33	18.11	113.44	Shut-In(1)
64	977.97	114.77	End Shut-In(1)
65	19.51	114.42	Open To Flow (2)
95	22.68	116.18	Shut-In(2)
129	941.30	117.36	End Shut-In(2)
131	2090.71	117.92	Final Hydro-static

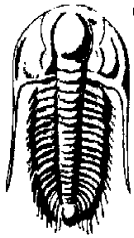
Recovery

Length (ft)	Description	Volume (bbl)
25.00	mud 100m	0.20

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

26 15s 30w Gove, KS

Evans #1-26

Job Ticket: 63775

DST#: 4

Test Start: 2017.04.14 @ 06:29:30

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:21:00

Time Test Ended: 12:17:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4246.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 2625.00 ft (KB)

Total Depth: 4310.00 ft (KB) (TVD)

2617.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8365 Inside

Press@RunDepth: psig @ 4247.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.04.14

End Date:

2017.04.14

Last Calib.:

2017.04.14

Start Time: 06:28:35

End Time:

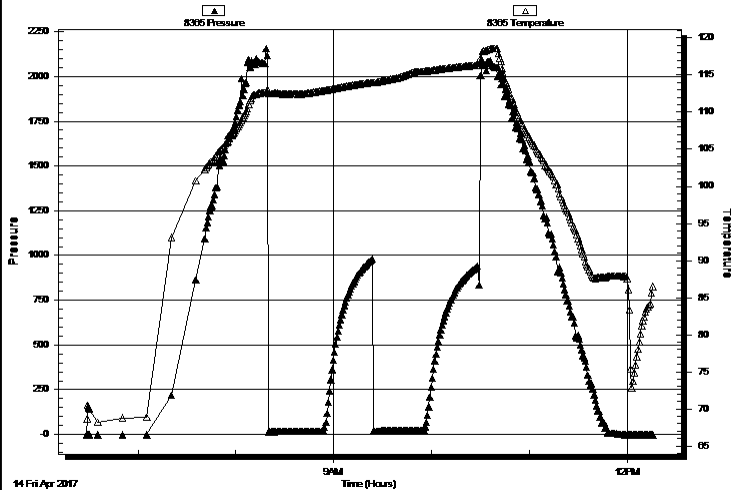
12:15:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1" blow .
IS: No return.
FF: Surface blow .
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

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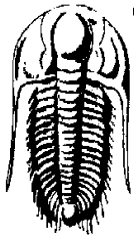
Recovery

Length (ft)	Description	Volume (bbl)
25.00	mud 100m	0.20

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

26 15s 30w Gove,KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63775

DST#: 4

ATTN: Jason Alm

Test Start: 2017.04.14 @ 06:29:30

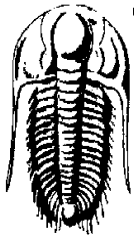
Tool Information

Drill Pipe:	Length:	3966.00 ft	Diameter:	3.80 inches	Volume:	55.63 bbl	Tool Weight:	2000.00 lb		
Heavy Wt. Pipe:	Length:	279.00 ft	Diameter:	2.90 inches	Volume:	2.28 bbl	Weight set on Packer:	25000.00 lb		
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	75000.00 lb		
						Total Volume:	57.91 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	19.00 ft								String Weight: Initial	56000.00 lb
Depth to Top Packer:	4246.00 ft								Final	56000.00 lb
Depth to Bottom Packer:	ft									
Interval between Packers:	64.00 ft									
Tool Length:	84.00 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			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Packer	5.00			4242.00	20.00 Bottom Of Top Packer
Packer	4.00			4246.00	
Stubb	1.00			4247.00	
Recorder	0.00	8365	Inside	4247.00	
Recorder	0.00	8845	Outside	4247.00	
Perforations	27.00			4274.00	
Change Over Sub	1.00			4275.00	
Drill Pipe	31.00			4306.00	
Change Over Sub	1.00			4307.00	
Bullnose	3.00			4310.00	64.00 Bottom Packers & Anchor

Total Tool Length: 84.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

26 15s 30w Gove, KS

PO Box 399
Garden City, KS 67846

Evans #1-26

Job Ticket: 63775

DST#: 4

ATTN: Jason Alm

Test Start: 2017.04.14 @ 06:29:30

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:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	mud 100m	0.204

Total Length: 25.00 ft

Total Volume: 0.204 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

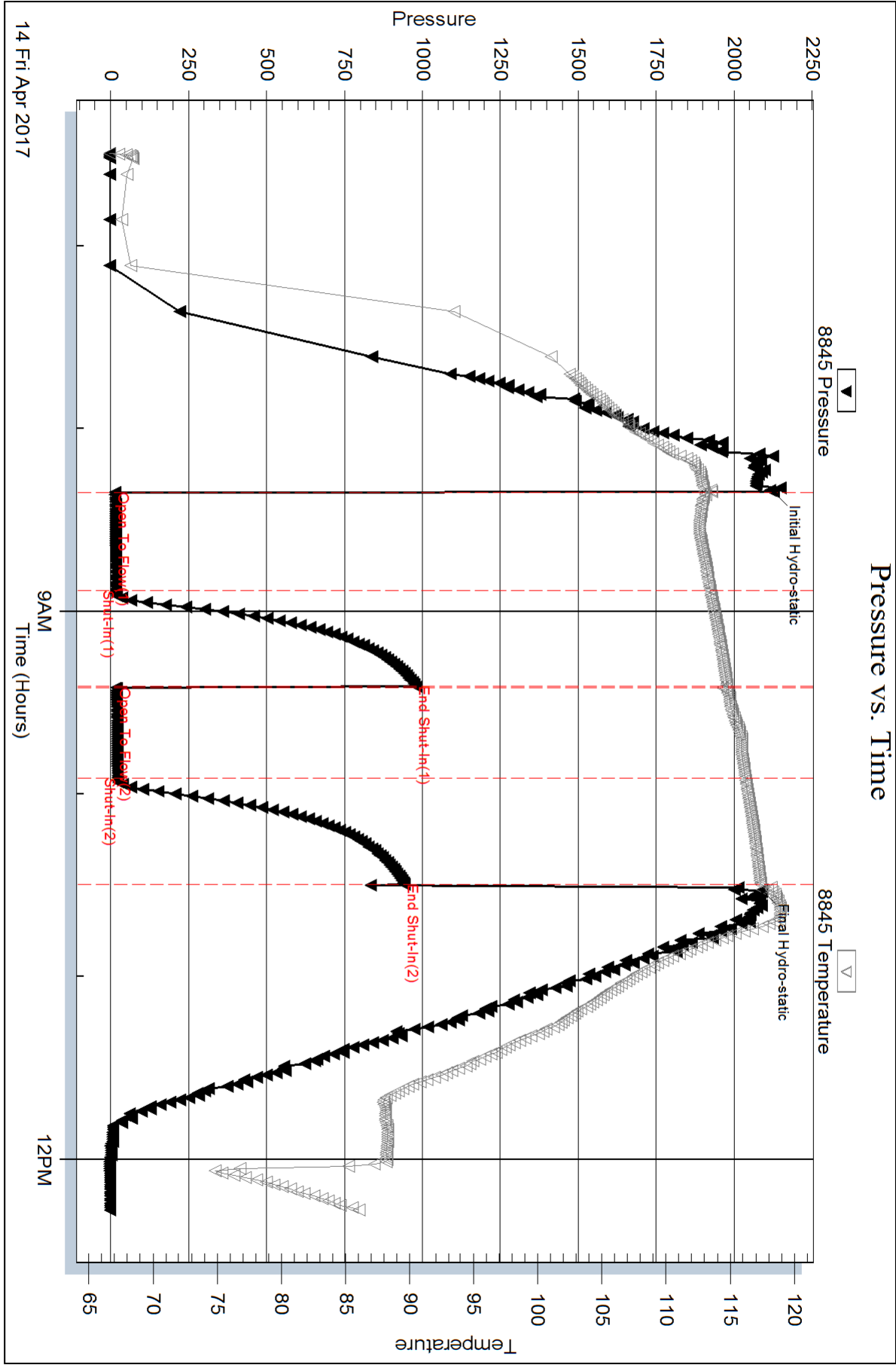
Recovery Comments:

Serial #: 8845

Outside American Warrior, Inc.

Evans #1-26

DST Test Number: 4



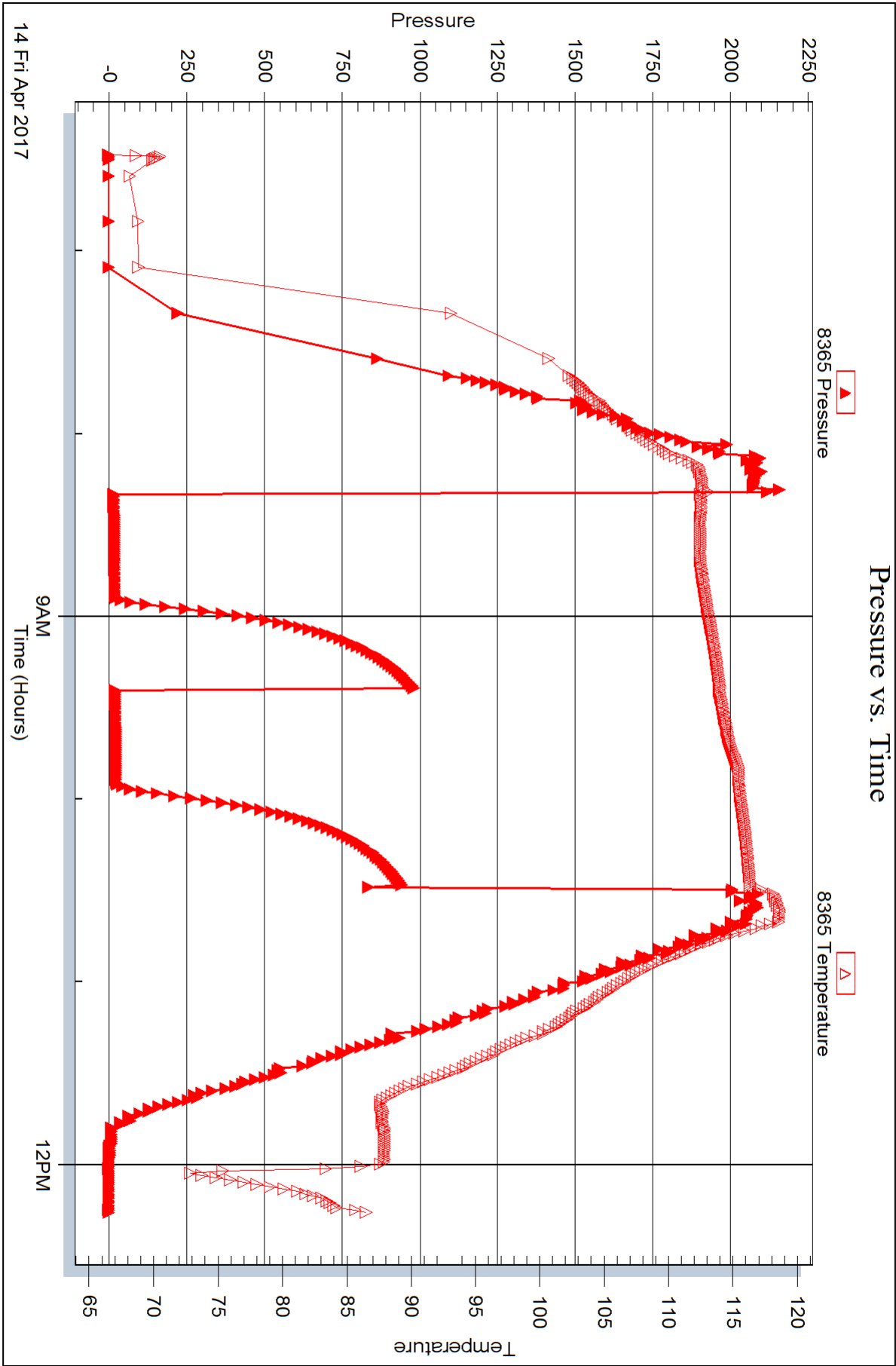
Serial #: 8365

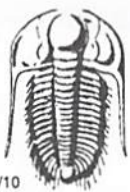
Inside

American Warrior, Inc.

Evans #1-26

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63772**

Well Name & No. Evans # 1-26 Test No. 1 Date 4/11/2017
 Company American Warrior, Inc Elevation 2625 KB 2617 GL
 Address PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Jason Alm Rig Discovery #2
 Location: Sec. 26 Twp. 15S Rge. 30W Co. Gore State KS

Interval Tested 3730 3805 Zone Tested LKC C-E
 Anchor Length 75' Drill Pipe Run 3437 Mud Wt. 8.8
 Top Packer Depth 3725 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 3730 Wt. Pipe Run 279 WL 8.0
 Total Depth 3805 Chlorides 2,000 ppm System LCM 2#

Blow Description IF BOB @ 43 min.
ISI No return.
FP 6" blow
PSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>290</u>	<u>ncw</u>			<u>60</u>	<u>40</u>
	<u>oil spks</u>				

Rec Total 290 BHT 111 Gravity — API RW .259 @ 61 °F Chlorides 31000 ppm

(A) Initial Hydrostatic 1781
 (B) First Initial Flow 19
 (C) First Final Flow 87
 (D) Initial Shut-In 745
 (E) Second Initial Flow 90
 (F) Second Final Flow 142
 (G) Final Shut-In 699
 (H) Final Hydrostatic 1746

☒ Test 1050
☐ Jars
☐ Safety Joint
☒ Circ Sub MC
☐ Hourly Standby
☒ Mileage 70 Rt 52.50
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 1102.50

T-On Location 1330
 T-Started 1435
 T-Open 1622
 T-Pulled 1922
 T-Out 2100
 Comments
☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 1102.50
 MP/DST Disc't

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63773**

Well Name & No. Evans #1-26 Test No. 2 Date 4/12/2017
 Company American Warrior, Inc Elevation 2625 KB 2617 GL
 Address PO Box 399 Garden City, Kc 67846
 Co. Rep / Geo. Jason Alm Rig Discovery 2
 Location: Sec. 26 Twp. 15S Rge. 30W Co. Gove State Ks

Interval Tested 3870 3970 Zone Tested LKC H-J
 Anchor Length 100 Drill Pipe Run 3590 Mud Wt. 9.0
 Top Packer Depth 3865 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3870 Wt. Pipe Run 279 WL 8.0
 Total Depth 3970 Chlorides 3,000 ppm System LCM 2#

Blow Description IF 1 2" blow
ISI: No return.
PF: 4" blow.
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>mud</u>			<u>100</u>	
	<u>oil spots</u>				

Rec Total 45 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>1873</u>	☒ Test	<u>1050</u>	T-On Location	<u>0936</u>
(B) First Initial Flow	<u>17</u>	☐ Jars		T-Started	<u>0952</u>
(C) First Final Flow	<u>28</u>	☐ Safety Joint		T-Open	<u>1143</u>
(D) Initial Shut-In	<u>663</u>	☒ Circ Sub	<u>4C</u>	T-Pulled	<u>1445</u>
(E) Second Initial Flow	<u>30</u>	☐ Hourly Standby		T-Out	<u>1533</u>
(F) Second Final Flow	<u>34</u>	☒ Mileage	<u>70.25</u> 52.50	Comments	
(G) Final Shut-In	<u>652</u>	☐ Sampler			
(H) Final Hydrostatic	<u>1860</u>	☐ Straddle			

Initial Open	<u>30</u>	☐ Shale Packer		☐ Ruined Shale Packer	
Initial Shut-In	<u>30</u>	☐ Extra Packer		☐ Ruined Packer	
Final Flow	<u>30</u>	☐ Extra Recorder		☐ Extra Copies	
Final Shut-In	<u>30</u>	☐ Day Standby		Sub Total	<u>0</u>
		☐ Accessibility		Total	<u>1102.50</u>
		Sub Total	<u>1102.50</u>	MP/DST Disc't	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63774**

Well Name & No. Evans #1-26 Test No. 3 Date 4/13/2017
 Company American Warrior, Inc Elevation 2625 KB 2617 GL
 Address PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Discovery #2
 Location: Sec. 26 Twp. 15S Rge. 30W Co. Gove State KS

Interval Tested 3966 - 4020 Zone Tested LKC K-1
 Anchor Length 54 Drill Pipe Run 3686 Mud Wt. 9.2
 Top Packer Depth 3961 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 3966 Wt. Pipe Run 279 WL 80
 Total Depth 4020 Chlorides 3,000 ppm System LCM 2#

Blow Description IP: BOB @ 6 min.
BI: No return.
FF: BOB @ 10 min
FS: Surface return, died @ 20 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>240</u>	<u>50MCW</u>		<u>1</u>	<u>64</u>	<u>30</u>
<u>390</u>	<u>50MCW</u>		<u>1</u>	<u>96</u>	<u>3</u>
	<u>60' GTP</u>				

Rec Total 630 BHT 124 Gravity 1.208 API RW .208 @ 56 °F Chlorides 44000 ppm

(A) Initial Hydrostatic	<u>1927</u>	☒ Test	<u>1050</u>	T-On Location	<u>2230</u>
(B) First Initial Flow	<u>18</u>	☐ Jars		T-Started	<u>2316</u>
(C) First Final Flow	<u>212</u>	☐ Safety Joint		T-Open	<u>0123</u>
(D) Initial Shut-In	<u>700</u>	☒ Circ Sub	<u>46</u>	T-Pulled	<u>0353</u>
(E) Second Initial Flow	<u>204</u>	☐ Hourly Standby		T-Out	<u>0633</u>
(F) Second Final Flow	<u>327</u>	☒ Mileage	<u>70 RT 52.50</u>	Comments	
(G) Final Shut-In	<u>693</u>	☐ Sampler			
(H) Final Hydrostatic	<u>1917</u>	☐ Straddle		☐ Ruined Shale Packer	

Initial Open	<u>36</u>	☐ Shale Packer	☐ Ruined Packer
Initial Shut-In	<u>45</u>	☐ Extra Packer	☐ Extra Copies
Final Flow	<u>30</u>	☐ Extra Recorder	Sub Total <u>0</u>
Final Shut-In	<u>45</u>	☐ Day Standby	Total <u>1102.50</u>
		☐ Accessibility	MP/DST Disc't
		Sub Total <u>1102.50</u>	

Approved By

Our Representative

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63775**

Well Name & No. Evans #1-26 Test No. 4 Date 4/14/2017
 Company American Warrior, Inc Elevation 2625 KB 2617 GL
 Address PO Box 399 Garden City, Ke 67846
 Co. Rep / Geo. Jason Alm Rig Discovery #2
 Location: Sec. 26 Twp. 15s Rge. 30w Co. Gove State KS

Interval Tested 4246 ~ 4310 Zone Tested Johnson
 Anchor Length 64' Drill Pipe Run 3966 Mud Wt. 9.3
 Top Packer Depth 4241 Drill Collars Run Ø Vis 52
 Bottom Packer Depth 4246 Wt. Pipe Run 279 WL 8.0
 Total Depth 4360 Chlorides 2200 ppm System LCM 2 #

Blow Description IF : 1" blow
ISI : No return
FF : Surface blow.
FSI : No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>md</u>			<u>100</u>	

Rec Total 25 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2126
 (B) First Initial Flow 15
 (C) First Final Flow 18
 (D) Initial Shut-In 978
 (E) Second Initial Flow 20
 (F) Second Final Flow 23
 (G) Final Shut-In 941
 (H) Final Hydrostatic 2091

☒ Test 1050
☐ Jars —
☐ Safety Joint —
☒ Circ Sub N/L
☐ Hourly Standby —
☒ Mileage 70 RT 52.50
☐ Sampler —
☐ Straddle —
☐ Shale Packer —
☐ Extra Packer —
☐ Extra Recorder —
☐ Day Standby —
☐ Accessibility —
 Sub Total 1102.50

T-On Location 0545
 T-Started 0629
 T-Open 0823
 T-Pulled 1023
 T-Out 1217

Comments —

☐ Ruined Shale Packer —
☐ Ruined Packer —
☐ Extra Copies —
 Sub Total 0
 Total 1102.50

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

MP/DST Disc't —

Approved By — Our Representative —

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