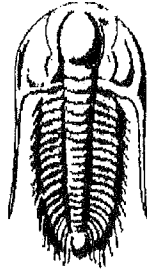


15-007-22886

11-32s-15w

CONFIDENTIAL

ORIGINAL



TRILOBITE
TESTING, INC.

KCC
APR 29 2005
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O. Box 399
Garden City, KS 67846-0399

ATTN: Alan Dowling

11-32s-15w Barber KS

Alexander#1-11

Start Date: 2005.04.15 @ 04:46:50

End Date: 2005.04.15 @ 14:45:20

Job Ticket #: 20727

DST #: 1

RECEIVED

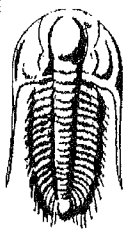
MAY - 4 2005

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
P.O. Box 399
Garden City, KS 67846-0399
ATTN: Alan Dowling

Alexander#1-11

11-32s-15w Barber KS

Job Ticket: 20727 DST#: 1

Test Start: 2005.04.15 @ 04:46:50

GENERAL INFORMATION:

Formation: **Stalnacker Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:43:05
Time Test Ended: 14:45:20

Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 19

Interval: **4160.00 ft (KB) To 4273.00 ft (KB) (TVD)**
Total Depth: 4273.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2012.00 ft (KB)
1997.00 ft (CF)
KB to GR/CF: 15.00 ft

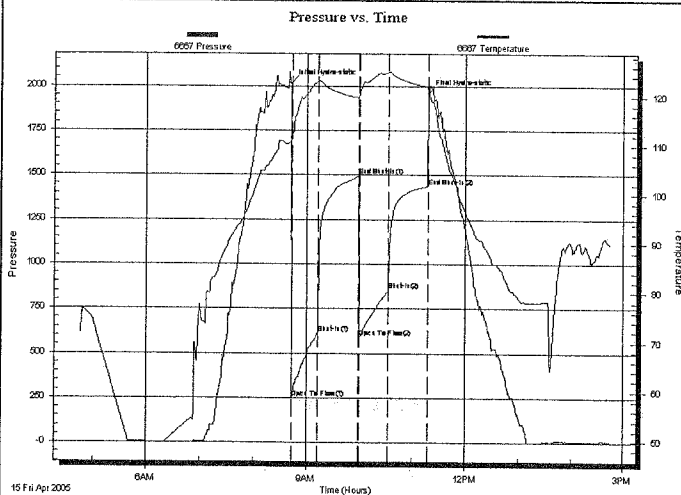
Serial #: 6667

Inside

Press@RunDepth: 851.89 psig @ 4161.00 ft (KB)
Start Date: 2005.04.15 End Date: 2005.04.15
Start Time: 04:46:55 End Time: 14:45:20

Capacity: 7000.00 psig
Last Calib.: 2005.04.15
Time On Btm: 2005.04.15 @ 08:42:20
Time Off Btm: 2005.04.15 @ 11:18:05

TEST COMMENT: IF: Strong blow BOB 1min 15sec
IS: Bled off no blow back
FF: Strong blow BOB 2min 45sec
FS: Bled off no blow back



PRESSURE SUMMARY

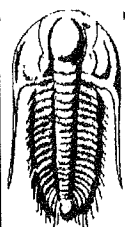
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.73	110.69	Initial Hydro-static
1	248.22	111.82	Open To Flow (1)
31	610.21	123.02	Shut-In (1)
76	1496.43	119.76	End Shut-In (1)
77	588.94	120.85	Open To Flow (2)
111	851.89	124.93	Shut-In (2)
155	1436.41	122.00	End Shut-In (2)
156	1960.06	121.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Wtry Mud 35%w 65%w	1.68
1430.00	WCM 19%w 81%w	17.02
0.00	Resistivity .1 ohm @ 89 deg F = 60,000	0.00

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.

P.O. Box 399
Garden City, KS 67846-0399

ATTN: Alan Dowling

Alexander#1-11

11-32s-15w Barber KS

Job Ticket: 20727

DST#: 1

Test Start: 2005.04.15 @ 04:46:50

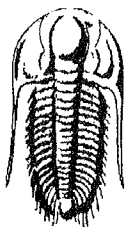
Tool Information

Drill Pipe:	Length: 4052.00 ft	Diameter: 3.50 inches	Volume: 48.22 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	49.13 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	105.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4160.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	113.00 ft				
Tool Length:	141.00 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			4137.00	
Hydraulic tool	5.00			4142.00	
Jars	5.00			4147.00	
Safety Joint	3.00			4150.00	
Packer	5.00			4155.00	28.00 Bottom Of Top Packer
Packer	5.00			4160.00	
Stubb	1.00			4161.00	
Recorder	0.00	6667	Inside	4161.00	
Perforations	25.00			4186.00	
Change Over Sub	1.00			4187.00	
Blank Spacing	60.00			4247.00	
Change Over Sub	1.00			4248.00	
Perforations	22.00			4270.00	
Recorder	0.00	6074	Outside	4270.00	
Bullnose	3.00			4273.00	113.00 Bottom Packers & Anchor

Total Tool Length: 141.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
P.O. Box 399
Garden City, KS 67846-0399

ATTN: Alan Dowling

Alexander#1-11

11-32s-15w Barber KS

Job Ticket: 20727

DST#: 1

Test Start: 2005.04.15 @ 04:46:50

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 12.38 in³
Resistivity: ohm.m
Salinity: 6500.00 ppm
Filter Cake: 0.04 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	Wtry Mud 35%w 65%m	1.683
1430.00	WCM 19%w 81%m	17.017
0.00	Resistivity .1 ohm @ 89 deg F = 60,000	0.000

Total Length: 1680.00 ft Total Volume: 18.700 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

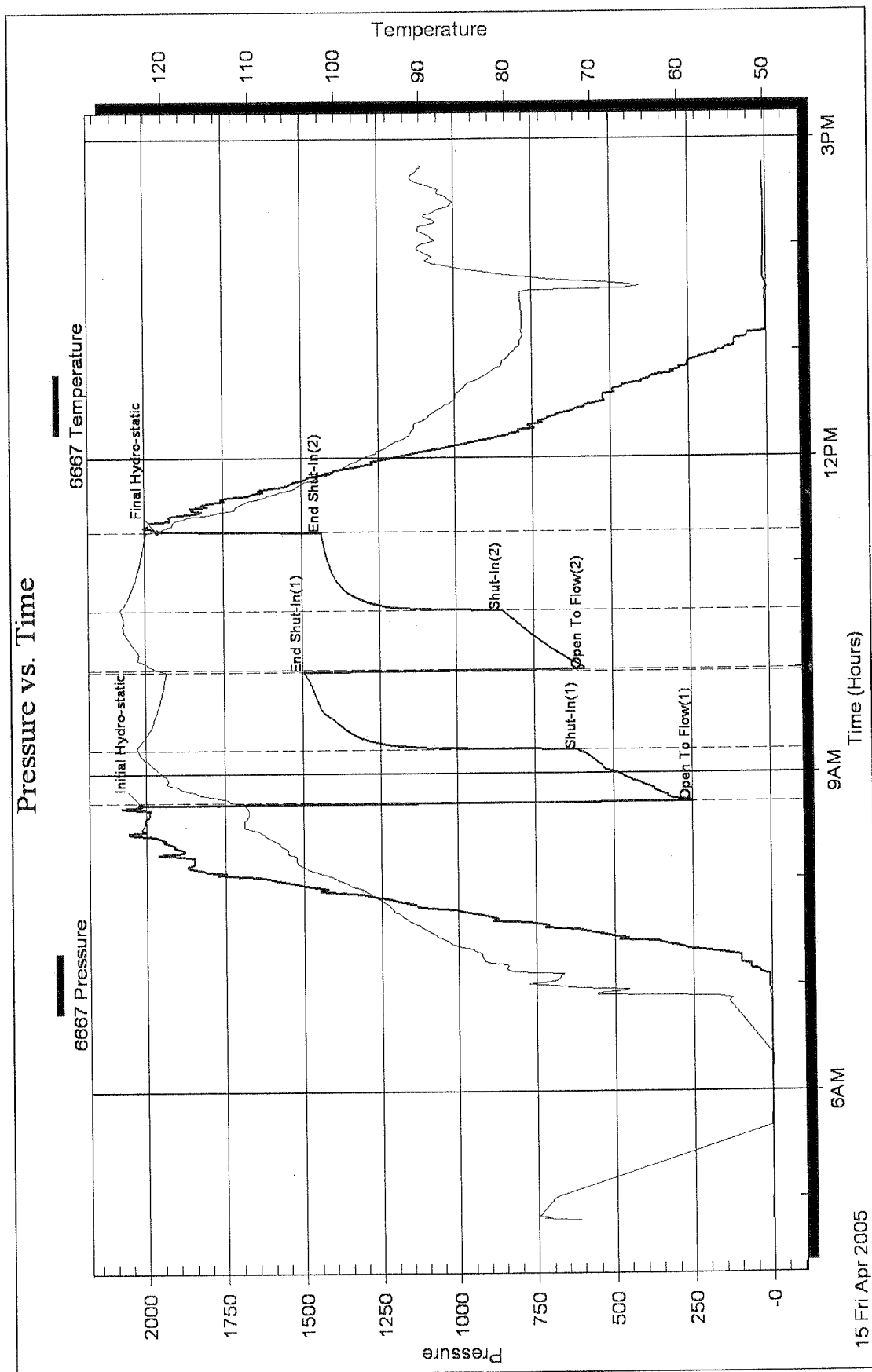
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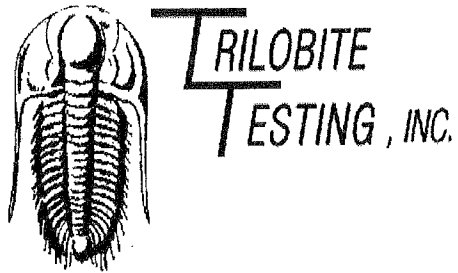
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O. Box 399
Garden City, KS 67846-0399

ATTN: Alan Dowling

11-32s-15w Barber KS

Alexander#1-11

Start Date: 2005.04.17 @ 14:15:49

End Date: 2005.04.18 @ 04:07:19

Job Ticket #: 20728 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

P.O. Box 399
Garden City, KS 67846-0399

ATTN: Alan Dowling

Alexander#1-11

11-32s-15w Barber KS

Job Ticket: 20728

DST#: 2

Test Start: 2005.04.17 @ 14:15:49

GENERAL INFORMATION:

Formation: **Viola**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 17:25:04

Time Test Ended: 04:07:19

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **19**

Interval: **4886.00 ft (KB) To 4954.00 ft (KB) (TVD)**

Total Depth: **4954.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2012.00 ft (KB)**

1997.00 ft (CF)

KB to GR/CF: **15.00 ft**

Serial #: 6667 **Inside**

Press@RunDepth: **1575.62 psig @ 4887.00 ft (KB)**

Start Date: **2005.04.17**

End Date: **2005.04.18**

Capacity: **7000.00 psig**

Last Calib.: **2005.04.18**

Start Time: **14:15:54**

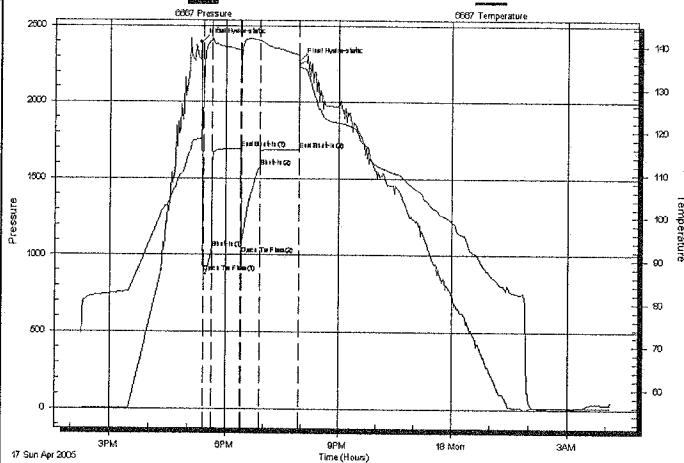
End Time: **04:07:19**

Time On Btm: **2005.04.17 @ 17:22:04**

Time Off Btm: **2005.04.17 @ 19:57:04**

TEST COMMENT: IF: Very strong blow . BOB 30sec. GTS 4min 45sec.
IS: Bled off 5min. Blew back BOB 5sec. Held for duration.
FF: Very strong blow . BOB immediately.
FSI: Bled off 5min. Blew back BOB 20sec. Held for du

Pressure vs. Time



PRESSURE SUMMARY

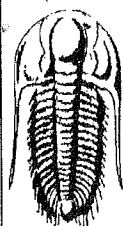
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2392.35	118.87	Initial Hydro-static
3	885.78	129.41	Open To Flow (1)
16	1044.17	141.36	Shut-In(1)
62	1692.66	138.99	End Shut-In(1)
63	1061.52	135.44	Open To Flow (2)
92	1575.62	141.37	Shut-In(2)
155	1688.66	137.93	End Shut-In(2)
155	2268.91	137.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
930.00	Salt Water 100%	9.78
370.00	Mspeg&OCW 2%M 10%G 10%O 78%V4.40	
680.00	Free Oil 100%	8.09
1300.00	WCGsyO 1%M 22%W 25%G 52%O	15.47
1075.00	SM&WCOG 2%M 10%W 38%O 50%G	12.79
0.00	RW .10 ohm @ 61 deg F.=92000ppm	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	18.00	218.56
Last Gas Rate	0.13	24.00	14.37
Max. Gas Rate	0.13	24.00	14.37



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Alexander#1-11

P.O. Box 399
Garden City, KS 67846-0399

11-32s-15w Barber KS

Job Ticket: 20728

DST#: 2

ATTN: Alan Dowling

Test Start: 2005.04.17 @ 14:15:49

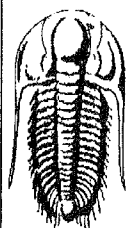
Tool Information

Drill Pipe:	Length: 4696.00 ft	Diameter: 3.50 inches	Volume: 55.88 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: lb
		Total Volume: 56.79 bbl		Tool Chased: ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial lb
Depth to Top Packer:	4886.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	96.00 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			4863.00	
Hydraulic tool	5.00			4868.00	
Jars	5.00			4873.00	
Safety Joint	3.00			4876.00	
Packer	5.00			4881.00	28.00 Bottom Of Top Packer
Packer	5.00			4886.00	
Stubb	1.00			4887.00	
Recorder	0.00	6667	Inside	4887.00	
Perforations	25.00			4912.00	
Change Over Sub	1.00			4913.00	
Blank Spacing	31.00			4944.00	
Change Over Sub	1.00			4945.00	
Perforations	6.00			4951.00	
Recorder	0.00	6074	Outside	4951.00	
Bullnose	3.00			4954.00	68.00 Bottom Packers & Anchor

Total Tool Length: 96.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Alexander#1-11

P.O. Box 399
Garden City, KS 67846-0399

11-32s-15w Barber KS

Job Ticket: 20728

DST#: 2

ATTN: Alan Dowling

Test Start: 2005.04.17 @ 14:15:49

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.04 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
930.00	Salt Water 100%	9.775
370.00	MspecG&OCW 2%M 10%G 10%O 78%W	4.403
680.00	Free Oil 100%o	8.092
1300.00	WOGsyO 1%M 22%W 25%G 52%O	15.470
1075.00	SM&WCOG 2%M 10%W 38%O 50%G	12.792
0.00	RW .10 ohm @ 61 deg F.=92000ppm	0.000
0.00	Gravity 40 @ 56 deg F.= about 40 deg API	0.000

Total Length: 4355.00 ft

Total Volume: 50.532 bbl

Num Fluid Samples: 1

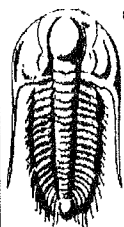
Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc.

Alexander#1-11

P.O. Box 399
Garden City, KS 67846-0399

11-32s-15w Barber KS

Job Ticket: 20728

DST#: 2

ATTN: Alan Dowling

Test Start: 2005.04.17 @ 14:15:49

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	2	0.50	18.00	218.56
1	2	0.50	18.00	218.56
1	10	0.50	14.00	191.58
1	15	0.50	12.00	178.09
2	5	0.13	12.00	9.88
2	10	0.13	21.00	13.25
2	15	0.25	19.00	52.99
2	20	0.25	12.00	41.88
2	25	0.13	15.00	11.00
2	30	0.13	24.00	14.37

DST Test Number: 2

11-32s-15w Barber KS

Serial #: 6667 American Warrior Inc.

Inside

Pressure vs. Time

