

IND

American Warrior

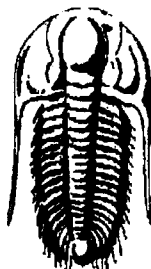
Springer Heirs # 1-24

24 22 24 Hodgeman KS

DST # 1

Cong Sand

2008.07.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

CONFIDENTIAL
AUG 21 2008
KCC

ATTN: Marc Downing

24 22 24 Hodgeman KS

Springer Heirs # 1-24

Start Date: 2008.07.08 @ 05:59:42

End Date: 2008.07.08 @ 12:26:42

Job Ticket #: 32416 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 22 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

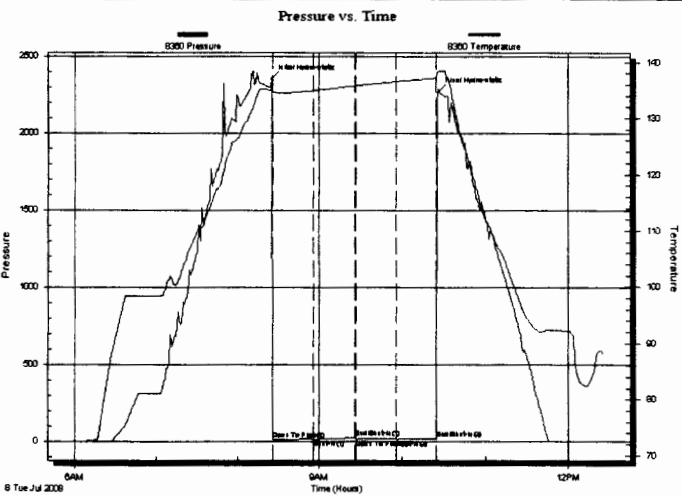
Springer Heirs # 1-24
24 22 24 Hodgeman KS
Job Ticket: 32416 **DST#: 1**
Test Start: 2008.07.08 @ 05:59:42

GENERAL INFORMATION:

Formation: **Cong Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:25:42
Time Test Ended: 12:26:42
Interval: **4614.00 ft (KB) To 4640.00 ft (KB) (TVD)**
Total Depth: 4640.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brett D-Kyle K
Unit No: 32
Reference Elevations: 2424.00 ft (KB)
2412.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8360 **Outside**
Press@RunDepth: 18.35 psig @ 4617.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.07.08 End Date: 2008.07.08 Last Calib.: 2008.07.08
Start Time: 05:59:44 End Time: 12:26:42 Time On Btm: 2008.07.08 @ 08:25:12
Time Off Btm: 2008.07.08 @ 10:26:42

TEST COMMENT: IF Weak surface died 10 min
FF No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2356.18	135.13	Initial Hydro-static
1	16.68	134.59	Open To Flow (1)
31	17.77	134.91	Shut-in(1)
61	26.61	135.76	End Shut-in(1)
61	17.77	135.76	Open To Flow (2)
91	18.35	136.52	Shut-in(2)
120	22.00	137.17	End Shut-in(2)
122	2278.26	138.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Springer Heirs # 1-24
24 22 24 Hodgeman KS
Job Ticket: 32416 DST#: 1
Test Start: 2008.07.08 @ 05:59:42

Tool Information

Drill Pipe:	Length: 4620.00 ft	Diameter: 3.82 inches	Volume: 65.49 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 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: 85000.00 lb
		Total Volume: 65.49 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4614.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

CONFIDENTIAL
AUG 21 2008

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4587.00	
Shut In Tool	5.00			4592.00	
Hydraulic tool	5.00			4597.00	
Jars	5.00			4602.00	
Safety Joint	2.00			4604.00	
Packer	5.00			4609.00	28.00 Bottom Of Top Packer
Packer	5.00			4614.00	
Stubb	1.00			4615.00	
Perforations	2.00			4617.00	
Recorder	0.00	8360	Outside	4617.00	
Recorder	0.00	6719	Inside	4617.00	
Perforations	20.00			4637.00	
Bullnose	3.00			4640.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Springer Heirs # 1-24
24 22 24 Hodgeman KS
Job Ticket: 32416 **DST#: 1**
Test Start: 2008.07.08 @ 05:59:42

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.071

Total Length: 5.00 ft Total Volume: 0.071 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

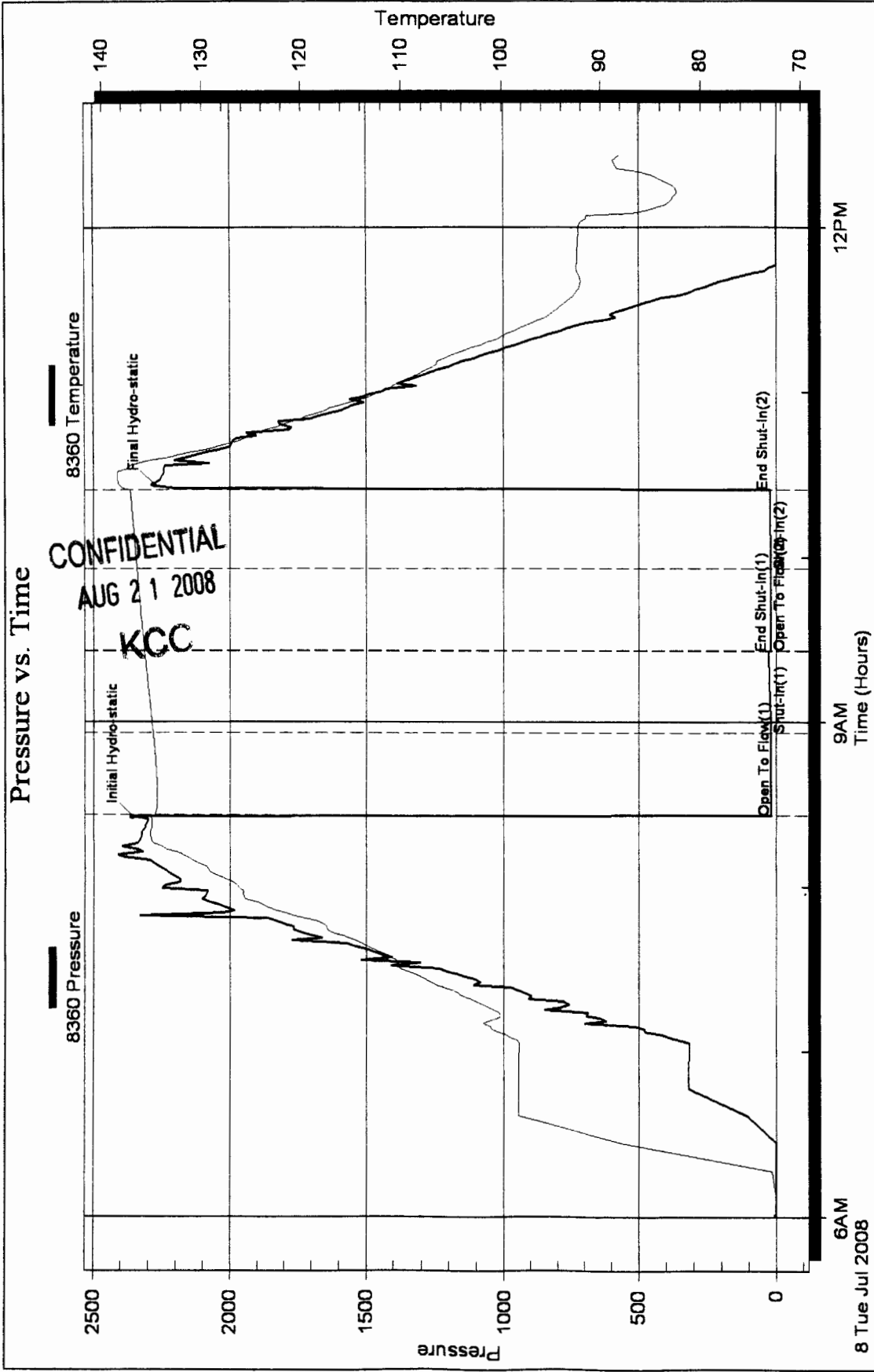
Serial #: 8360

Outside American Warrior

24 22 24 Hodgeman KS

DST Test Number: 1

Pressure vs. Time

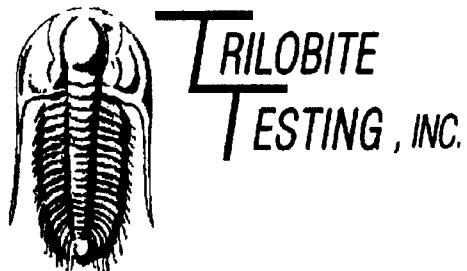


Trilobite Testing, Inc

Ref. No: 32416

Printed: 2008.07.14 @ 12:00:31 Page 5





DRILL STEM TEST REPORT

CONFIDENTIAL
AUG 21 2008
KCC

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

24 22 24 Hodgeman KS

Springer Heirs # 1-24

Start Date: 2008.07.09 @ 10:37:54

End Date: 2008.07.09 @ 18:34:54

Job Ticket #: 32417 DST #: 2

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 22 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

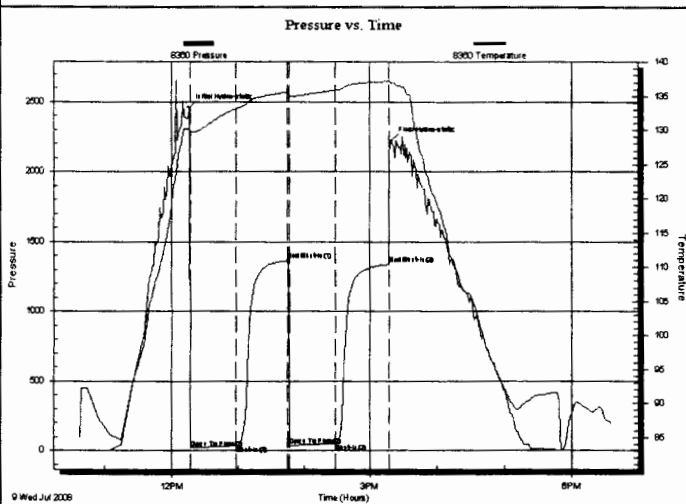
Springer Heirs # 1-24
24 22 24 Hodgeman KS
 Job Ticket: 32417 **DST#: 2**
 Test Start: 2008.07.09 @ 10:37:54

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:17:24
 Time Test Ended: 18:34:54
 Interval: **4610.00 ft (KB) To 4685.00 ft (KB) (TVD)**
 Total Depth: 4760.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Brett D-Kyle K
 Unit No: 32
 Reference Elevations: 2424.00 ft (KB)
 2412.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8360 Inside
 Press@RunDepth: 51.87 psig @ 4614.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.07.09 End Date: 2008.07.09 Last Calib.: 2008.07.09
 Start Time: 10:37:56 End Time: 18:34:54 Time On Btm: 2008.07.09 @ 12:15:54
 Time Off Btm: 2008.07.09 @ 15:19:24

TEST COMMENT: IF Surface building to 5.25
 FF Surface building to 5.25



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2458.70	130.28	Initial Hydro-static
2	20.18	129.66	Open To Flow (1)
43	35.36	133.08	Shut-In (1)
89	1365.93	135.58	End Shut-In (1)
90	35.61	135.12	Open To Flow (2)
133	51.87	135.87	Shut-In (2)
181	1339.62	137.18	End Shut-In (2)
184	2220.56	136.99	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
45.00	GsyMCO 15%G 65%O 20%M	0.64
45.00	GSOFreeOil 10%G 90%O	0.64
0.00	150' GIP	0.00

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Springer Heirs # 1-24
24 22 24 Hodgeman KS
Job Ticket: 32417 DST#: 2
Test Start: 2008.07.09 @ 10:37:54

Tool Information

Drill Pipe:	Length: 4596.00 ft	Diameter: 3.82 inches	Volume: 65.15 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 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: 65.15 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4610.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	155.00 ft			
Tool Length:	176.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

CONFIDENTIAL

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4590.00	
Shut In Tool	5.00			4595.00	
Hydraulic tool	5.00			4600.00	
Packer	5.00			4605.00	21.00 Bottom Of Top Packer
Packer	5.00			4610.00	
Stubb	1.00			4611.00	
Perforations	2.00			4613.00	
Change Over Sub	1.00			4614.00	
Recorder	0.00	8360	Inside	4614.00	
Blank Spacing	63.00			4677.00	
Change Over Sub	1.00			4678.00	
Perforations	3.00			4681.00	
Recorder	0.00	13221	Inside	4681.00	
Blank Off Sub	1.00			4682.00	
Blank Spacing	3.00			4685.00	155.00 Tool Interval
Packer	1.00			4686.00	
Stubb	1.00			4687.00	
Recorder	0.00	6719	Below	4687.00	
Change Over Sub	1.00			4688.00	
Blank Spacing	63.00			4751.00	
Change Over Sub	1.00			4752.00	
Perforations	10.00			4762.00	
Bullnose	3.00			4765.00	1000175.00 Bottom Packers & Anchor
Total Tool Length:	176.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Springer Heirs # 1-24

PO Box 399
Garden City KS 67846

24 22 24 Hodgeman KS

ATTN: Marc Downing

Job Ticket: 32417 **DST#: 2**

Test Start: 2008.07.09 @ 10:37:54

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GsyMCO 15%G 65%O 20%M	0.638
45.00	GSOFreeOil 10%G 90%O	0.638
0.00	150' GP	0.000

Total Length: 90.00 ft Total Volume: 1.276 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

