



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O. Box 399
Garden City, KS 67846

ATTN: Al Downing

33/32S/19W

Kerstetter 4-33

Start Date: 2004.11.20 @ 03:47:50

End Date: 2004.11.20 @ 13:42:33

Job Ticket #: 18556 DST #: 1

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

ATTN: Al Downing

Kerstetter 4-33

33/32S/19W

Job Ticket: 18556

DST#: 1

Test Start: 2004.11.20 @ 03:47:50

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:34:33

Time Test Ended: 13:42:33

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 17

Interval: 4990.00 ft (KB) To 5215.00 ft (KB) (TVD)

Total Depth: 5215.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 1916.00 ft (KB)

1906.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6770

Inside

Press@RunDepth: 93.18 psig @ 4992.00 ft (KB)

Start Date: 2004.11.20

End Date:

2004.11.20

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 03:47:50

End Time:

13:42:33

Time On Btm: 2004.11.20 @ 06:33:03

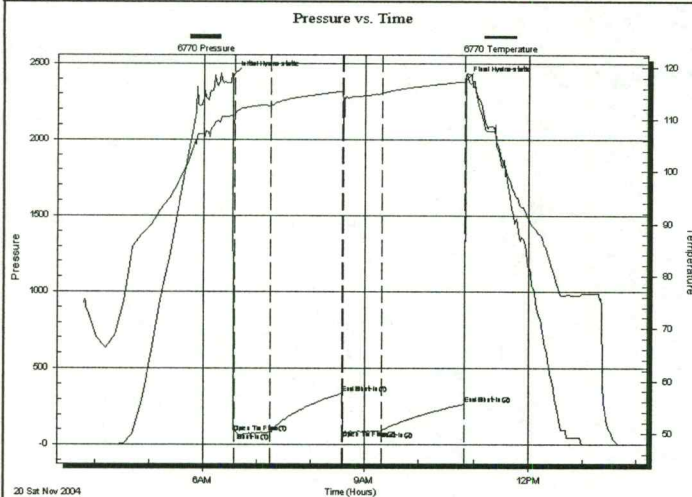
Time Off Btm: 2004.11.20 @ 10:51:03

TEST COMMENT: IF: BOB 2.5 min, strong blow steadily dieing

IS: No blow back

FF: BOB ASAO, GTS 5 min, blow died to 1 inch in 45 min (All gas too small to gauge)

FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2422.35	110.66	Initial Hydro-static
2	76.80	110.47	Open To Flow (1)
42	77.22	112.66	Shut-In(1)
122	338.23	115.42	End Shut-In(1)
123	37.34	106.68	Open To Flow (2)
166	93.18	115.02	Shut-In(2)
257	267.40	117.27	End Shut-In(2)
259	2393.03	118.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
215.00	10%G, 90%M	1.33

Gas Rates

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

TOOL DIAGRAM

American Warrior Inc.

Kerstetter 4-33

P.O. Box 399
Garden City, KS 67846

33/32S/19W

Job Ticket: 18556

DST#: 1

ATTN: Al Downing

Test Start: 2004.11.20 @ 03:47:50

Tool Information

Drill Pipe:	Length: 4794.00 ft	Diameter: 3.80 inches	Volume: 67.25 bbl	Tool Weight: 2000.00 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume:	68.16 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4990.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	225.00 ft			
Tool Length:	252.00 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			4964.00	
Shut In Tool	5.00			4969.00	
Hydraulic tool	5.00			4974.00	
Jars	5.00			4979.00	
Safety Joint	2.00			4981.00	
Packer	5.00			4986.00	27.00 Bottom Of Top Packer
Packer	4.00			4990.00	
Stubb	1.00			4991.00	
Perforations	1.00			4992.00	
Recorder	0.00	6770	Inside	4992.00	
Perforations	29.00			5021.00	
Change Over Sub	1.00			5022.00	
Drill Pipe	189.00			5211.00	
Change Over Sub	1.00			5212.00	
Recorder	0.00	10993	Inside	5212.00	
Bullnose	3.00			5215.00	225.00 Bottom Packers & Anchor
Total Tool Length:		252.00			



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FLUID SUMMARY

American Warrior Inc.

Kerstetter 4-33

P.O. Box 399
Garden City, KS 67846

33/32S/19W

Job Ticket: 18556

DST#: 1

ATTN: Al Downing

Test Start: 2004.11.20 @ 03:47:50

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:

21000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbl

Water Loss: 14.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
215.00	10%G, 90%M	1.331

Total Length: 215.00 ft Total Volume: 1.331 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

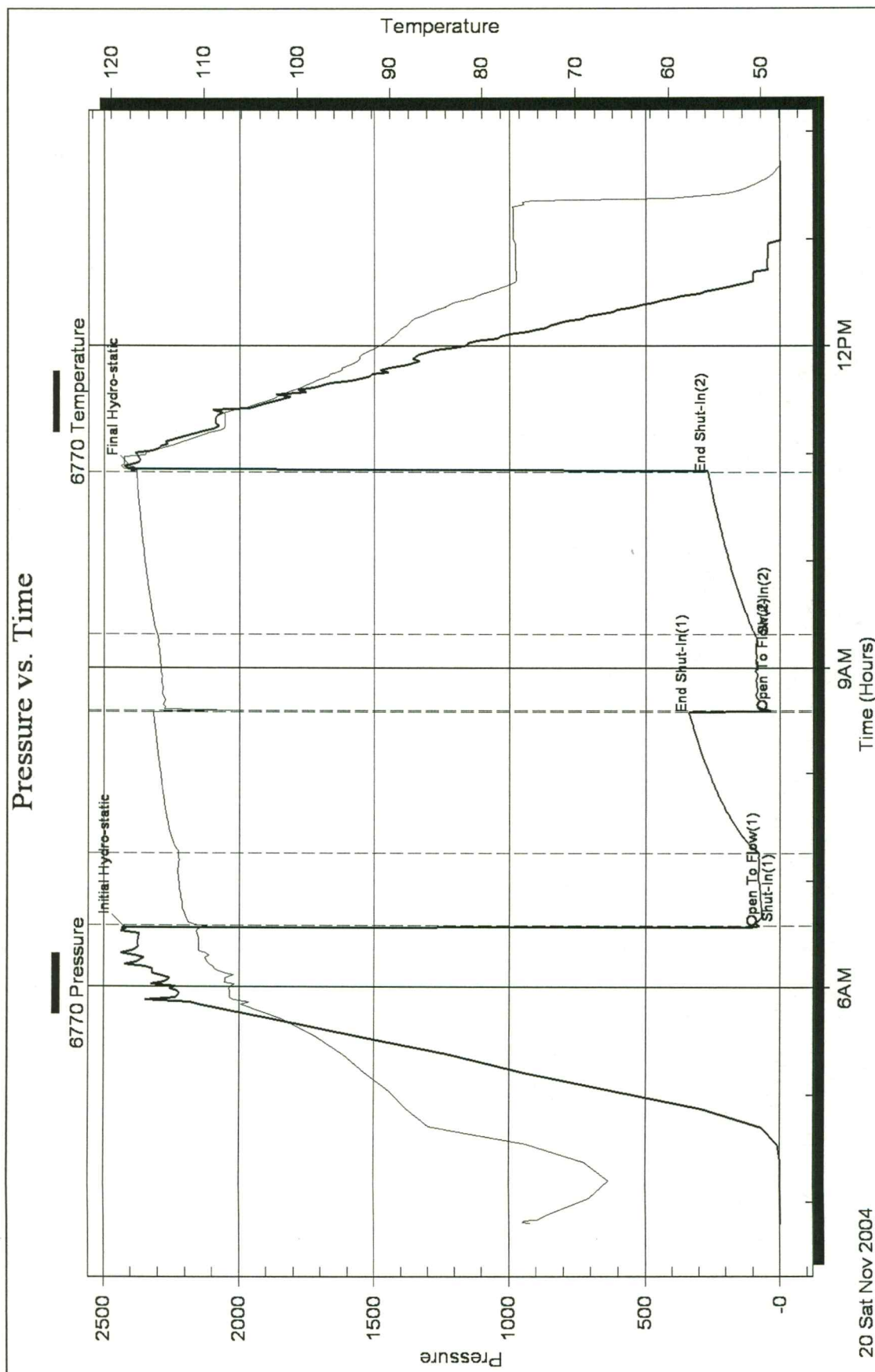
Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: RW=.046@50F=21000

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O. Box 399
Garden City, KS 67846

ATTN: Al Downing

33/32S/19W

Kerstetter 4-33

Start Date: 2004.11.22 @ 18:45:09

End Date: 2004.11.23 @ 06:47:07

Job Ticket #: 18557 DST #: 2

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DRILL STEM TEST REPORT

American Warrior Inc.

Kerstetter 4-33

P.O. Box 399
Garden City, KS 67846

33/32S/19W

Job Ticket: 18557

DST#: 2

ATTN: Al Downing

Test Start: 2004.11.22 @ 18:45:09

GENERAL INFORMATION:

Formation: **Viola**

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

Time Tool Opened: 21:45:22

Time Test Ended: 06:47:07

Test Type: **Conventional Bottom Hole**

Tester: **Chris Hagman**

Unit No: **17**

Interval: **5838.00 ft (KB) To 5873.00 ft (KB) (TVD)**

Total Depth: **5838.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **1916.00 ft (KB)**

1906.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6770

Inside

Press@RunDepth: **2129.33 psig @ 5840.00 ft (KB)**

Start Date: **2004.11.22**

End Date:

2004.11.23

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **18:45:09**

End Time:

06:47:07

Time On Btm: **2004.11.22 @ 21:43:52**

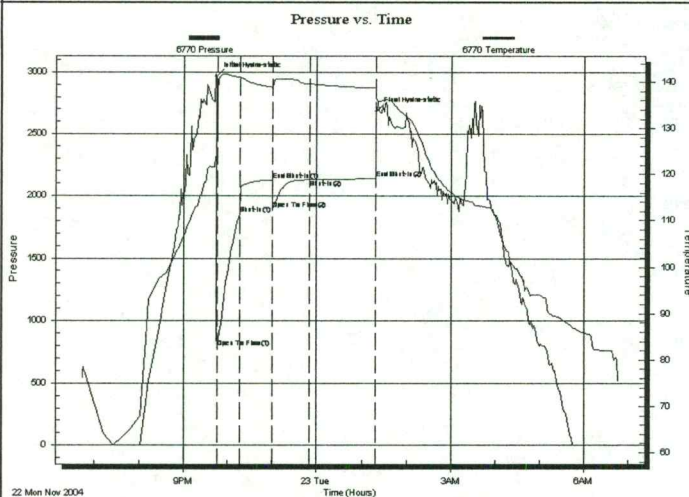
Time Off Btm: **2004.11.23 @ 01:19:22**

TEST COMMENT: IF: BOB 15 sec., strong blow steadily dieing

IS: Weak surface blow back

FF: BOB 15 sec., blow died to 2 inches in 45 min, GTS 45 min (gas too small to gauge)

FS: Blow back in 5 sec., BOB in 1



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2965.63	124.25	Initial Hydro-static
2	781.56	136.68	Open To Flow (1)
32	1852.62	140.97	Shut-In(1)
77	2126.86	138.81	End Shut-In(1)
78	1891.74	138.83	Open To Flow (2)
127	2129.33	139.55	Shut-In(2)
215	2139.52	138.67	End Shut-In(2)
216	2685.89	136.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3500.00	100%W	47.41
1000.00	40%G,10%O,45%W,5%M	14.03
62.00	50%W,50%M	0.87

Gas Rates

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

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P.O. Box 399
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Job Ticket: 18557

DST#: 2

ATTN: Al Downing

Test Start: 2004.11.22 @ 18:45:09

Tool Information

Drill Pipe:	Length: 5634.00 ft	Diameter: 3.80 inches	Volume: 79.03 bbl	Tool Weight: 2000.00 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 79.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	5838.00 ft			Final 104000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	62.00 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			5812.00	
Shut In Tool	5.00			5817.00	
Hydraulic tool	5.00			5822.00	
Jars	5.00			5827.00	
Safety Joint	2.00			5829.00	
Packer	5.00			5834.00	27.00 Bottom Of Top Packer
Packer	4.00			5838.00	
Stubb	1.00			5839.00	
Perforations	1.00			5840.00	
Recorder	0.00	6770	Inside	5840.00	
Perforations	30.00			5870.00	
Recorder	0.00	10993	Inside	5870.00	
Bullnose	3.00			5873.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.00



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Job Ticket: 18557

DST#: 2

ATTN: Al Downing

Test Start: 2004.11.22 @ 18:45:09

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:

65000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 16.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3500.00	100%W	47.411
1000.00	40%G,10%O,45%W,5%M	14.027
62.00	50%W,50%M	0.870

Total Length: 4562.00 ft Total Volume: 62.308 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.142@60F=65000

Pressure vs. Time

