

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

3116 Cummings Rd.
Garden City, KS 67846

ATTN: Roger Fisher

20-33-29 Meade,KS

Shinogle 2-20

Start Date: 2010.12.17 @ 13:57:35

End Date: 2010.12.18 @ 10:50:59

Job Ticket #: 039403 DST #: 1

**KCC
FEB 01 2011
CONFIDENTIAL**

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

**RECEIVED
FEB 01 2011
KCC WICHITA**

American Warrior, Inc.

Shinogle 2-20

20-33-29 Meade,KS

DST # 1

Morrow

2010.12.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

Shinogle 2-20

3116 Cummings Rd.
Garden City, KS 67846

20-33-29 Meade, KS

Job Ticket: 039403

DST#: 1

ATTN: Roger Fisher

Test Start: 2010.12.17 @ 13:57:35

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 17:26:00

Time Test Ended: 10:50:59

Test Type: **Conventional Bottom Hole**

Tester: **Chris Hagman**

Unit No: **33**

Interval: **5718.00 ft (KB) To 5810.00 ft (KB) (TVD)**

Total Depth: **5810.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2640.00 ft (KB)**

2628.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: 8355

Inside

Press@RunDepth: **1963.33 psig @ 5720.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.12.17**

End Date:

2010.12.18

Last Calif.: **2010.12.18**

Start Time: **13:57:35**

End Time:

10:50:59

Time On Btm: **2010.12.17 @ 17:11:30**

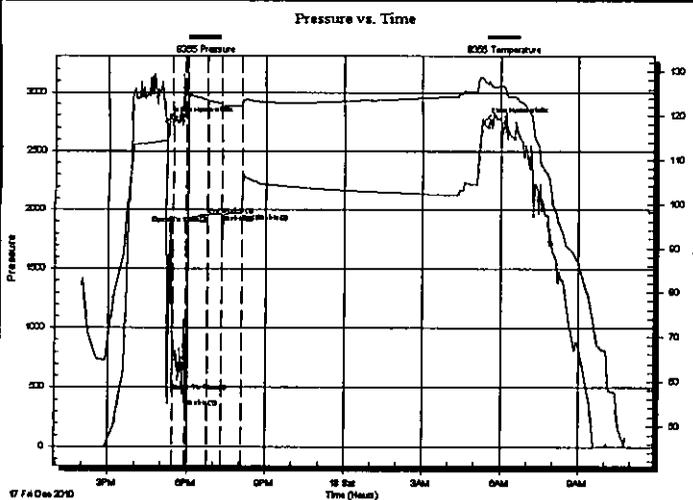
Time Off Btm: **2010.12.18 @ 05:21:15**

TEST COMMENT: IF: BOB 30 sec., GTS 6 min., strong building blow

IS: No blow back

FF: No blow, flushed tool, no blow

FSI: Weak surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2751.16	114.33	Initial Hydro-static
15	464.87	117.88	Open To Flow (1)
44	334.07	120.42	Shut-In(1)
94	1955.90	123.48	End Shut-In(1)
96	1955.34	123.41	Open To Flow (2)
127	1963.33	122.82	Shut-In(2)
172	1970.26	122.25	End Shut-In(2)
730	2752.16	128.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
825.00	gassy mud 10%G,90%M	8.18

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	25.00	62.50
Last Gas Rate	0.38	30.00	162.65
Max. Gas Rate	0.38	30.00	162.65



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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.
3116 Cummings Rd.
Garden City, KS 67846
ATTN: Roger Fisher

Shinogle 2-20
20-33-29 Meade, KS
Job Ticket: 039403 **DST#: 1**
Test Start: 2010.12.17 @ 13:57:35

Tool Information

Drill Pipe:	Length: 5349.00 ft	Diameter: 3.80 inches	Volume: 75.03 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: 20000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 76.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5718.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	120.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Packers did not seat @ 20000, reset @ 30000, mud dissappeared at end of IF period, shut in and ran test anyw ay. No blow durring FF, flushed tool, no flow

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5691.00	
Shut In Tool	5.00			5696.00	
Hydraulic tool	5.00			5701.00	
Jars	5.00			5706.00	
Safety Joint	3.00			5709.00	
Packer	5.00			5714.00	28.00 Bottom Of Top Packer
Packer	4.00			5718.00	
Stubb	1.00			5719.00	
Perforations	1.00			5720.00	
Recorder	0.00	8355	Inside	5720.00	
Recorder	0.00	6772	Outside	5720.00	
Perforations	23.00			5743.00	
Change Over Sub	1.00			5744.00	
Drill Pipe	62.00			5806.00	
Change Over Sub	1.00			5807.00	
Bullnose	3.00			5810.00	92.00 Bottom Packers & Anchor
Total Tool Length:	120.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Shinogle 2-20

3116 Cummings Rd.
Garden City, KS 67846

20-33-29 Meade,KS

Job Ticket: 039403

DST#: 1

ATTN: Roger Fisher

Test Start: 2010.12.17 @ 13:57:35

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.59 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 5500 ppm

Recovery Information

Recovery Table

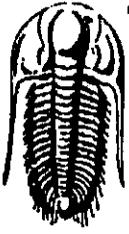
Length ft	Description	Volume bbl
825.00	gassy mud 10%G,90%M	8.184

Total Length: 825.00 ft Total Volume: 8.184 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: RW=1.543@54F=5500ppm
4896' GIP



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DRILL STEM TEST REPORT

GAS RATES

American Warrior, Inc.

Shinogle 2-20

3116 Cummings Rd.
Garden City, KS 67846

20-33-29 Meade, KS

ATTN: Roger Fisher

Job Ticket: 039403

DST#: 1

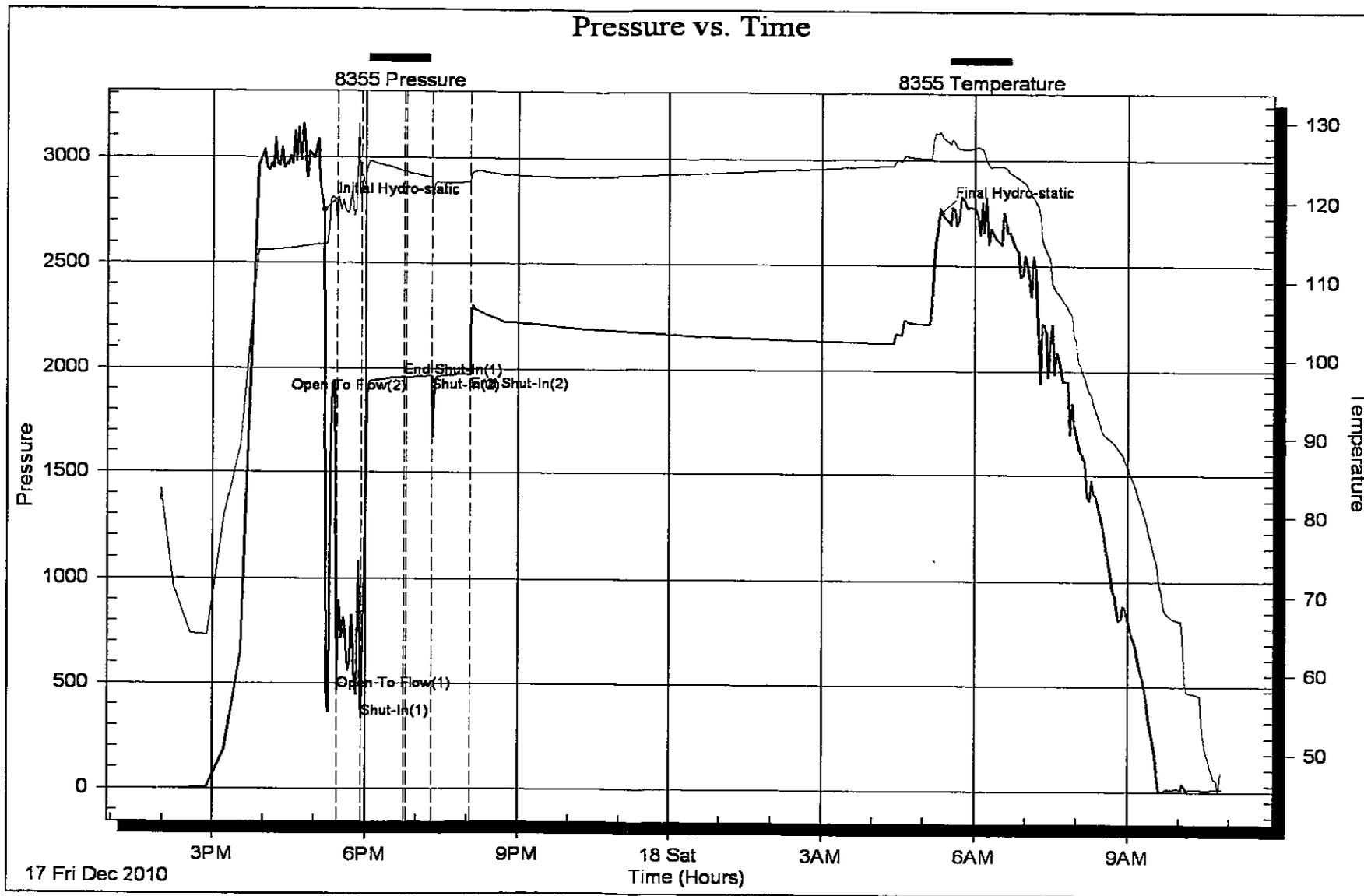
Test Start: 2010.12.17 @ 13:57:35

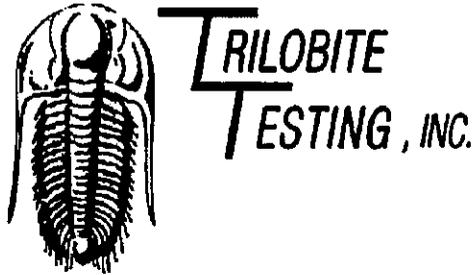
Gas Rates Information

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	10	0.25	25.00	62.50
1	10	0.25	25.00	62.50
1	20	0.38	25.00	144.33
1	30	0.38	30.00	162.65





DRILL STEM TEST REPORT

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

3116 Cummings Rd.
Garden City, KS 67846

ATTN: Roger Fisher

20-33-29 Meade,KS

Shinogle 2-20

Start Date: 2010.12.19 @ 04:03:41

End Date: 2010.12.19 @ 12:46:36

Job Ticket #: 039404 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

American Warrior, Inc.

Shinogle 2-20

20-33-29 Meade,KS

DST # 2

Chester

2010.12.19



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DRILL STEM TEST REPORT

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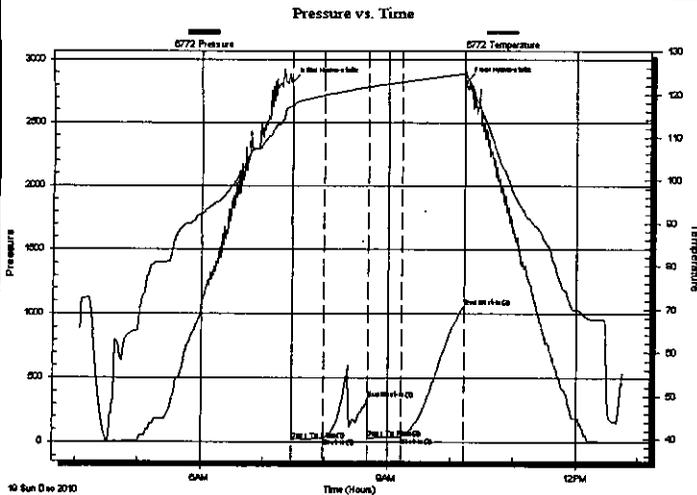
Shinogle 2-20
20-33-29 Meade, KS
Job Ticket: 039404 DST#: 2
Test Start: 2010.12.19 @ 04:03:41

GENERAL INFORMATION:

Formation: **Chester**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **07:27:51**
Time Test Ended: **12:46:36**
Interval: **5927.00 ft (KB) To 5970.00 ft (KB) (TVD)**
Total Depth: **5970.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chris Hagman**
Unit No: **33**
Reference Elevations: **2640.00 ft (KB)**
2628.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6772 **Outside**
Press@RunDepth: **41.43 psig @ 5929.00 ft (KB)**
Start Date: **2010.12.19** End Date: **2010.12.19**
Start Time: **04:03:41** End Time: **12:46:36**
Capacity: **8000.00 psig**
Last Calib.: **2010.12.19**
Time On Btm: **2010.12.19 @ 07:27:06**
Time Off Btm: **2010.12.19 @ 10:14:05**

TEST COMMENT: IF: 1 inch in 30 min., weak surface blow
IS: No blow back
FF: 1.5 inches in 30 min., weak blow
FS: No blow back



PRESSURE SUMMARY

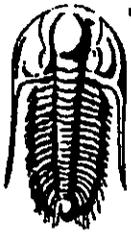
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2824.27	117.26	Initial Hydro-static
1	22.32	116.95	Open To Flow (1)
31	32.14	119.84	Shut-In(1)
73	340.17	121.73	End Shut-In(1)
74	33.42	121.70	Open To Flow (2)
106	41.43	122.88	Shut-In(2)
166	1058.62	124.76	End Shut-In(2)
167	2828.08	124.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

Gas Rates

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



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TOOL DIAGRAM

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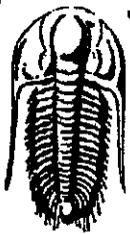
Shinogle 2-20
20-33-29 Meade, KS
Job Ticket: 039404 DST#: 2
Test Start: 2010.12.19 @ 04:03:41

Tool Information

Drill Pipe:	Length: 5533.00 ft	Diameter: 3.80 inches	Volume: 77.61 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:	20000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose:	160000.0 lb
			Total Volume: 79.44 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	5927.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5901.00	
Shut In Tool	5.00			5906.00	
Hydraulic tool	5.00			5911.00	
Jars	5.00			5916.00	
Safety Joint	2.00			5918.00	
Packer - Shale	5.00			5923.00	
Packer	4.00			5927.00	27.00 Bottom Of Top Packer
Stubb	1.00			5928.00	
Perforations	1.00			5929.00	
Recorder	0.00	8355	Inside	5929.00	
Recorder	0.00	6772	Outside	5929.00	
Perforations	5.00			5934.00	
Change Over Sub	1.00			5935.00	
Drill Pipe	31.00			5966.00	
Change Over Sub	1.00			5967.00	
Bullnose	3.00			5970.00	43.00 Anchor Tool
Total Tool Length:	70.00				



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Job Ticket: 039404 DST#: 2
Test Start: 2010.12.19 @ 04:03:41

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:	5000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW=1.428@60F=5000ppm

