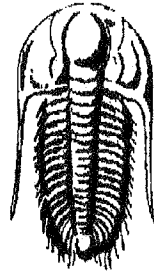


15-009-25141

23-20s-13w

IND

CONFIDENTIAL
FEB 09 2008
KCC



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

23 20 13 Barton KS

Schartz #2-23

Start Date: 2007.12.19 @ 06:22:03

End Date: 2007.12.19 @ 12:17:33

Job Ticket #: 30277 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 13 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior

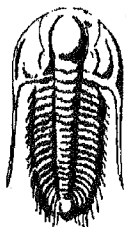
Schartz #2-23

23 20 13 Barton KS

DST # 1

LKC "B-D"

2007.12.19



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

Schartz #2-23

23 20 13 Barton KS

Job Ticket: 30277

DST#: 1

Test Start: 2007.12.19 @ 06:22:03

GENERAL INFORMATION:

Formation: **LKC "B-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:01:33

Time Test Ended: 12:17:33

Interval: **3252.00 ft (KB) To 3287.00 ft (KB) (TVD)**

Total Depth: 3287.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 31

Reference Elevations: 1867.00 ft (KB)

1860.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6669

Inside

Press@RunDepth: 35.47 psig @ 3254.00 ft (KB)

Start Date: 2007.12.19

End Date:

2007.12.19

Start Time: 06:22:08

End Time:

12:17:32

Capacity: 7000.00 psig

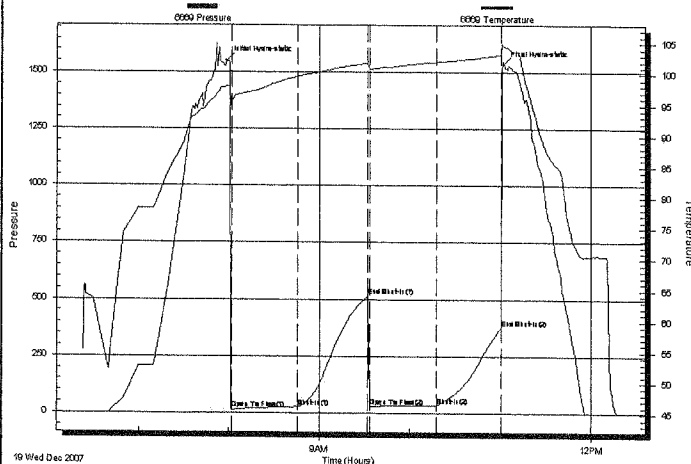
Last Calib.: 2007.12.19

Time On Btm: 2007.12.19 @ 07:58:33

Time Off Btm: 2007.12.19 @ 11:02:03

TEST COMMENT: IF BOB 20 min
FF 4 1/4 "

Pressure vs. Time



PRESSURE SUMMARY

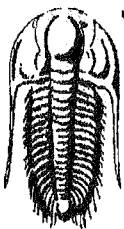
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1550.36	97.97	Initial Hydro-static
3	16.08	94.99	Open To Flow (1)
48	27.00	99.66	Shut-In (1)
94	513.69	101.80	End Shut-In (1)
95	27.38	100.80	Open To Flow (2)
139	35.47	102.02	Shut-In (2)
182	374.16	103.20	End Shut-In (2)
184	1536.30	104.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud w/scum of Oil	0.64
45.00	GIP	0.64

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Schartz #2-23

PO Box 399
Garden City KS 67846

23 20 13 Barton KS

Job Ticket: 30277

DST#: 1

ATTN: Marc Downing

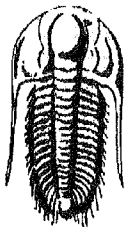
Test Start: 2007.12.19 @ 06:22:03

Tool Information

Drill Pipe:	Length: 3251.00 ft	Diameter: 3.82 inches	Volume: 46.08 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	48000.00 lb
		Total Volume:	46.08 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3252.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	54.00 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			3238.00	
Hydraulic tool	5.00			3243.00	
Packer	4.00			3247.00	19.00 Bottom Of Top Packer
Packer	5.00			3252.00	
Stubb	1.00			3253.00	
Perforations	1.00			3254.00	
Recorder	0.00	6669	Inside	3254.00	
Recorder	0.00	8369	Outside	3254.00	
Perforations	30.00			3284.00	
Bullnose	3.00			3287.00	35.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Schartz #2-23

PO Box 399
Garden City KS 67846

23 20 13 Barton KS

Job Ticket: 30277

DST#: 1

ATTN: Marc Downing

Test Start: 2007.12.19 @ 06:22:03

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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.38 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
45.00	Mud w /scum of Oil	0.638
45.00	GIP	0.638

Total Length: 90.00 ft

Total Volume: 1.276 bbl

Num Fluid Samples: 0

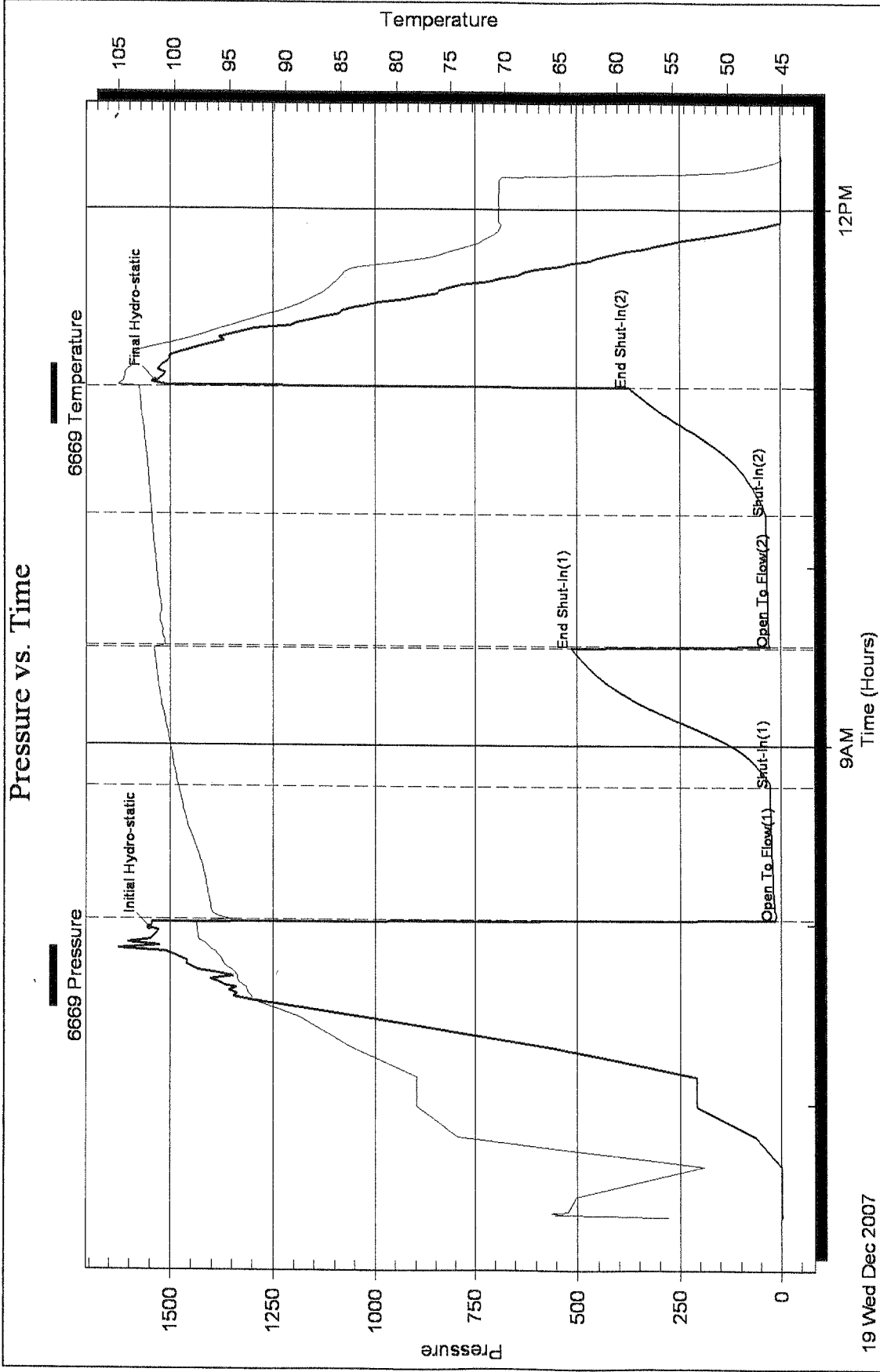
Num Gas Bombs: 0

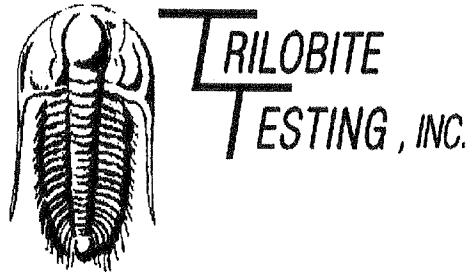
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

23 20 13 Barton KS

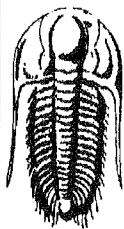
Schartz #2-23

Start Date: 2007.12.19 @ 22:28:36

End Date: 2007.12.20 @ 04:02:06

Job Ticket #: 30278 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
PO Box 399
Garden City KS 67846
ATTN: Marc Downing

Schartz #2-23

23 20 13 Barton KS

Job Ticket: 30278

DST#: 2

Test Start: 2007.12.19 @ 22:28:36

GENERAL INFORMATION:

Formation: **LKC "H-I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:05:36

Time Test Ended: 04:02:06

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 31

Interval: **3358.00 ft (KB) To 3392.00 ft (KB) (TVD)**

Total Depth: 3392.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1867.00 ft (KB)

1860.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6669

Inside

Press@RunDepth: 13.37 psig @ 3359.00 ft (KB)

Start Date: 2007.12.19

End Date:

2007.12.20

Start Time: 22:28:41

End Time:

04:02:05

Capacity: 7000.00 psig

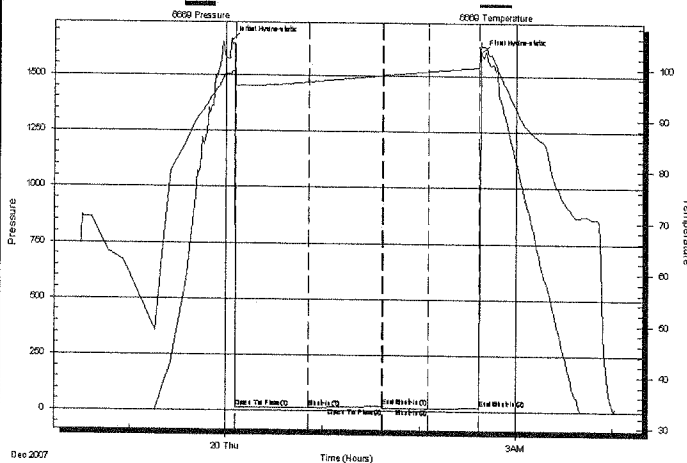
Last Calib.: 2007.12.20

Time On Btm: 2007.12.20 @ 00:03:36

Time Off Btm: 2007.12.20 @ 02:38:36

TEST COMMENT: IF 1 3/4 "
45 45 30 30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.52	98.95	Initial Hydro-static
2	11.54	96.61	Open To Flow (1)
48	13.45	97.28	Shut-In (1)
93	21.33	98.66	End Shut-In (1)
94	13.04	98.66	Open To Flow (2)
122	13.37	99.47	Shut-In (2)
154	16.10	100.30	End Shut-In (2)
155	1604.10	104.64	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

Schartz #2-23

PO Box 399
Garden City KS 67846

23 20 13 Barton KS

Job Ticket: 30278

DST#: 2

ATTN: Marc Downing

Test Start: 2007.12.19 @ 22:28:36

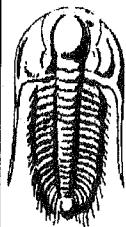
Tool Information

Drill Pipe:	Length: 3344.00 ft	Diameter: 3.82 inches	Volume: 47.40 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume: 47.40 bbl</u>	Tool Chased	1.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3358.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	53.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3344.00	
Hydraulic tool	5.00			3349.00	
Packer	4.00			3353.00	19.00 Bottom Of Top Packer
Packer	5.00			3358.00	
Stubb	1.00			3359.00	
Recorder	0.00	6669	Inside	3359.00	
Recorder	0.00	8369	Outside	3359.00	
Perforations	30.00			3389.00	
Bullnose	3.00			3392.00	34.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Schartz #2-23

PO Box 399
Garden City KS 67846

23 20 13 Barton KS

Job Ticket: 30278

DST#: 2

ATTN: Marc Downing

Test Start: 2007.12.19 @ 22:28:36

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 9.38 in³

Resistivity: ohm.m

Salinity: 10000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

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

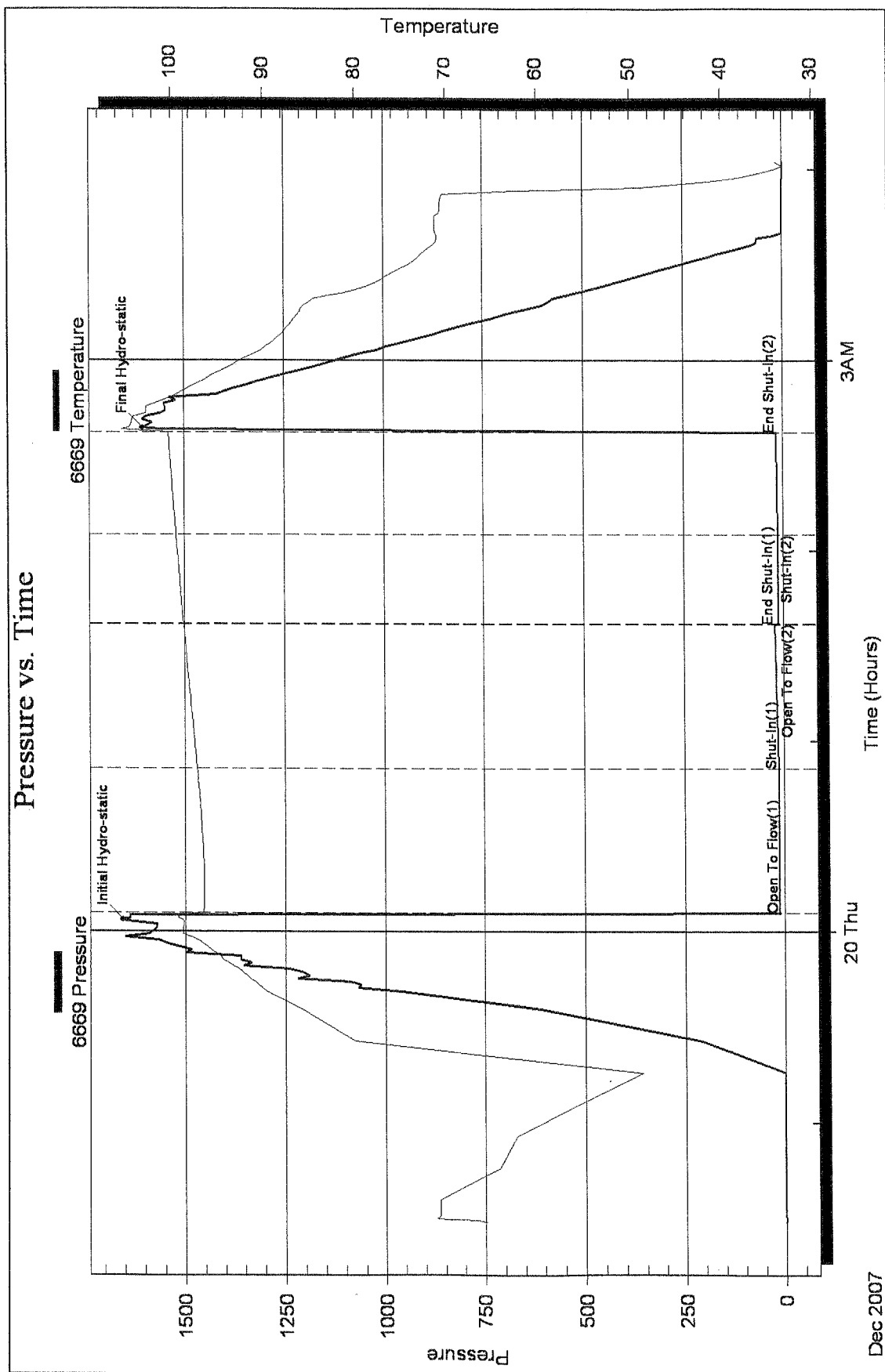
Serial #:

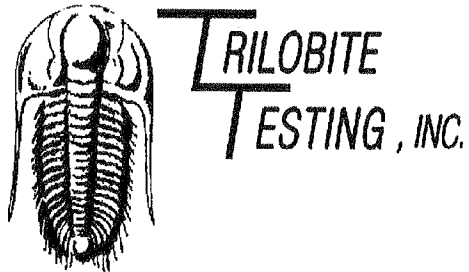
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

23 20 13 Barton KS

Schartz #2-23

Start Date: 2007.12.20 @ 10:50:31

End Date: 2007.12.20 @ 14:29:01

Job Ticket #: 30279 DST #: 3

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

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

Schartz #2-23

23 20 13 Barton KS

Job Ticket: 30279

DST#: 3

Test Start: 2007.12.20 @ 10:50:31

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:07:31

Time Test Ended: 14:29:01

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 31

Interval: **3396.00 ft (KB) To 3412.00 ft (KB) (TVD)**

Total Depth: 3412.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1867.00 ft (KB)

1860.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6669

Inside

Press@RunDepth: 13.75 psig @ 3397.00 ft (KB)

Start Date: 2007.12.20

End Date:

2007.12.20

Capacity: 7000.00 psig

Last Calib.: 2007.12.20

Start Time: 10:50:36

End Time:

14:29:01

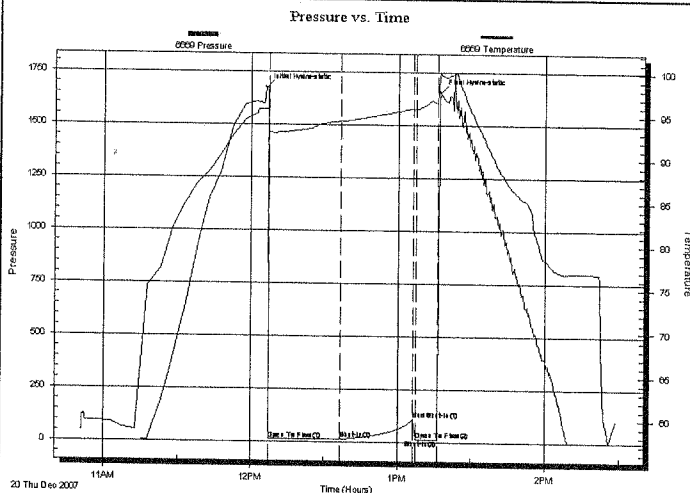
Time On Btm: 2007.12.20 @ 12:06:01

Time Off Btm: 2007.12.20 @ 13:17:31

TEST COMMENT: IF 1/2 "

FF Weak Surface

30 30 5



PRESSURE SUMMARY

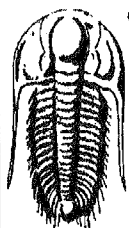
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.96	95.80	Initial Hydro-static
2	12.15	93.12	Open To Flow (1)
31	13.75	94.37	Shut-In(1)
61	108.09	95.92	End Shut-In(1)
62	14.94	95.76	Open To Flow (2)
71	14.41	96.57	Shut-In(2)
72	1657.00	100.09	Final Hydro-static

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

Schartz #2-23

PO Box 399
Garden City KS 67846

23 20 13 Barton KS

Job Ticket: 30279

DST#: 3

ATTN: Marc Downing

Test Start: 2007.12.20 @ 10:50:31

Tool Information

Drill Pipe:	Length:	3404.00 ft	Diameter:	3.82 inches	Volume:	48.25 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:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	50000.00 lb
					Total Volume:	48.25 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		27.00 ft					String Weight: Initial	46000.00 lb
Depth to Top Packer:		3396.00 ft					Final	46000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		16.00 ft						
Tool Length:		35.00 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			3382.00	
Hydraulic tool	5.00			3387.00	
Packer	4.00			3391.00	19.00 Bottom Of Top Packer
Packer	5.00			3396.00	
Stubb	1.00			3397.00	
Recorder	0.00	6669	Inside	3397.00	
Recorder	0.00	8369	Outside	3397.00	
Perforations	12.00			3409.00	
Bullnose	3.00			3412.00	16.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Schartz #2-23

PO Box 399
Garden City KS 67846

23 20 13 Barton KS

Job Ticket: 30279

DST#: 3

ATTN: Marc Downing

Test Start: 2007.12.20 @ 10:50:31

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: 67.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 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

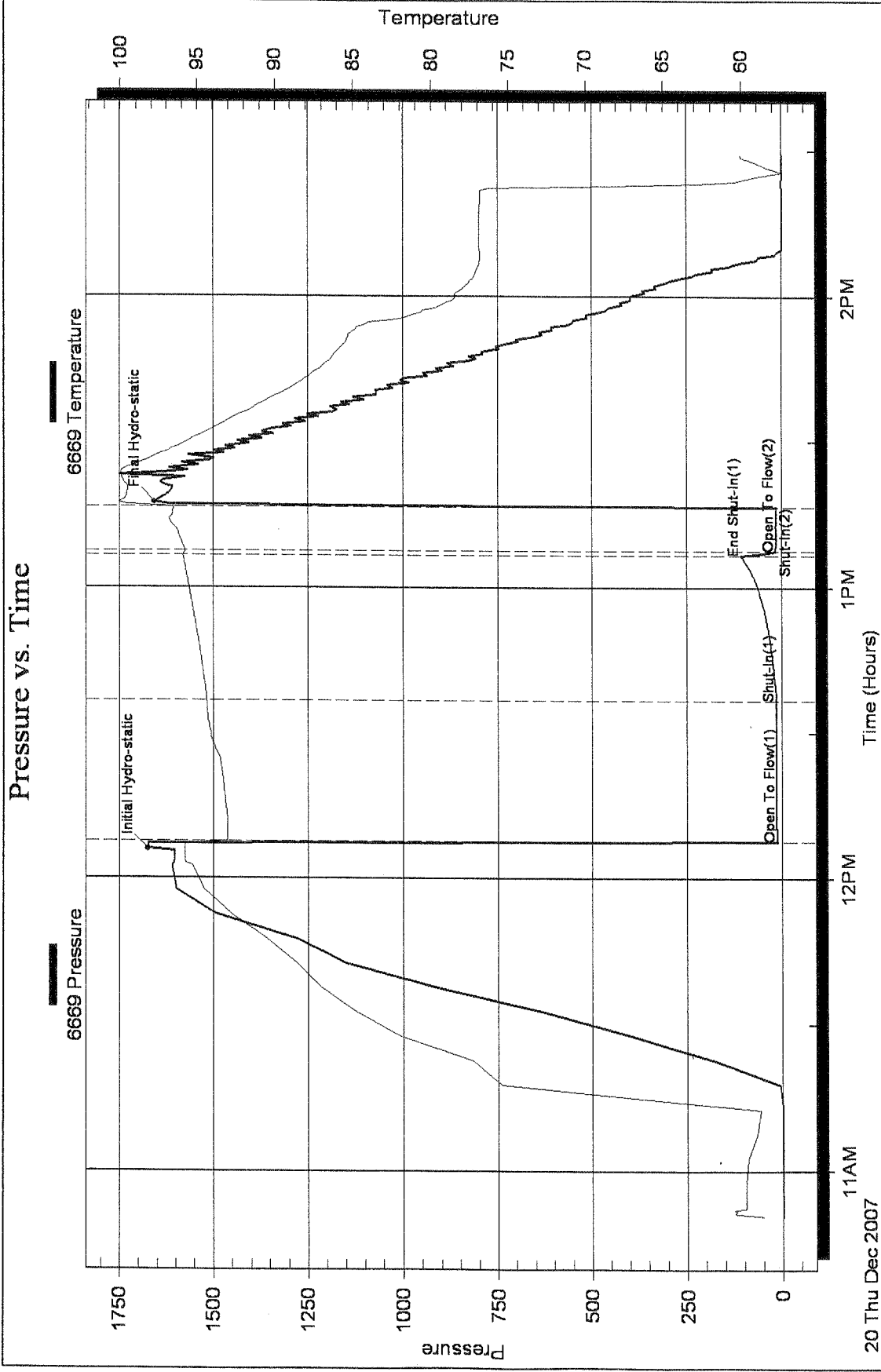
Serial #:

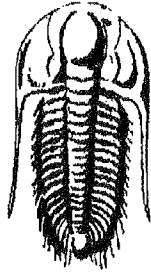
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

23 20 13 Barton KS

Schartz #2-23

Start Date: 2007.12.21 @ 03:12:54

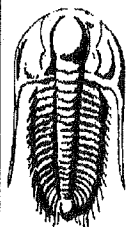
End Date: 2007.12.21 @ 09:01:54

Job Ticket #: 30280 DST #: 4

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

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

Schartz #2-23

23 20 13 Barton KS

Job Ticket: 30280

DST#: 4

Test Start: 2007.12.21 @ 03:12:54

GENERAL INFORMATION:

Formation: **Arb**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:36:54

Time Test Ended: 09:01:54

Interval: **3460.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Total Depth: 3510.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 31

Reference Elevations: 1867.00 ft (KB)

1860.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8369**

Outside

Press@RunDepth: 19.31 psig @ 3463.00 ft (KB)

Start Date: 2007.12.21

End Date:

2007.12.21

Start Time: 03:12:59

End Time:

09:01:53

Capacity: 7000.00 psig

Last Calib.: 2007.12.21

Time On Btm: 2007.12.21 @ 04:35:24

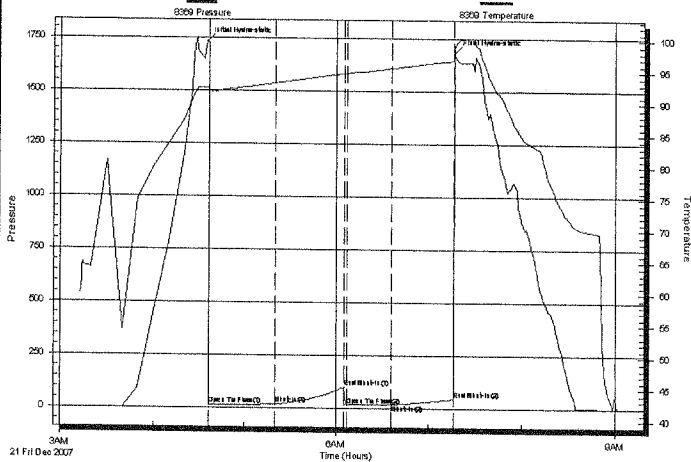
Time Off Btm: 2007.12.21 @ 07:16:54

TEST COMMENT: IF 1 1/4 "

FF Weak Surface Died 5 min

45 45 30 30

Pressure vs. Time



PRESSURE SUMMARY

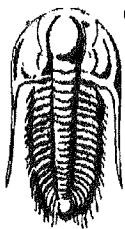
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.78	92.50	Initial Hydro-static
2	15.71	92.07	Open To Flow (1)
45	17.84	93.25	Shut-In (1)
90	101.70	94.80	End Shut-In (1)
92	16.50	94.80	Open To Flow (2)
121	19.31	95.60	Shut-In (2)
161	45.91	96.86	End Shut-In (2)
162	1684.45	98.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
13.00	OCM 5%O 95%M	0.18
2.00	FREE OIL	0.03

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Schartz #2-23

PO Box 399
Garden City KS 67846

23 20 13 Barton KS

Job Ticket: 30280

DST#: 4

ATTN: Marc Downing

Test Start: 2007.12.21 @ 03:12:54

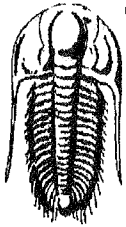
Tool Information

Drill Pipe:	Length: 3467.00 ft	Diameter: 3.82 inches	Volume: 49.15 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 49.15 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3460.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	69.00 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			3446.00	
Hydraulic tool	5.00			3451.00	
Packer	4.00			3455.00	19.00 Bottom Of Top Packer
Packer	5.00			3460.00	
Stubb	1.00			3461.00	
Perforations	1.00			3462.00	
Change Over Sub	1.00			3463.00	
Recorder	0.00	6669	Inside	3463.00	
Recorder	0.00	8369	Outside	3463.00	
Blank Spacing	31.00			3494.00	
Change Over Sub	1.00			3495.00	
Perforations	12.00			3507.00	
Bullnose	3.00			3510.00	50.00 Bottom Packers & Anchor

Total Tool Length: 69.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Schartz #2-23

PO Box 399
Garden City KS 67846

23 20 13 Barton KS

Job Ticket: 30280

DST#: 4

ATTN: Marc Downing

Test Start: 2007.12.21 @ 03:12:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 67.00 sec/qt

Water Loss: 8.39 in³

Resistivity: ohm.m

Salinity: 9000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
13.00	OCM 5%O 95%M	0.184
2.00	FREE OIL	0.028

Total Length: 15.00 ft Total Volume: 0.212 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

