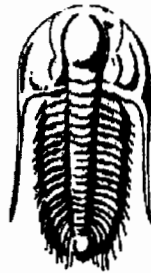


15-033-21224

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

Garden City Ks. 67846

ATTN: Al Downing

14-31S-20W Comanche

Lohrding "1-14"

Start Date: 2001.06.15 @ 08:55:14

End Date: 2001.06.15 @ 15:37:44

Job Ticket #: 14801 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.

Garden City Ks. 67846

ATTN: Al Downing

Lohrding "1-14"

14-31S-20W Comanche

Job Ticket: 14801

DST#: 1

Test Start: 2001.06.15 @ 08:55:14

GENERAL INFORMATION:

Formation: **Sw ope**

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

Time Tool Opened: 10:31:44

Time Test Ended: 15:37:44

Test Type: **Conventional Bottom Hole**

Tester: **Lanny Saloga**

Unit No: **14**

Interval: **4630.00 ft (KB) To 4666.00 ft (KB) (TVD)**

Total Depth: **4666.00 ft (KB) (TVD)**

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

Reference Elevations: **2013.00 ft (KB)**

2000.00 ft (CF)

KB to GR/CF: **13.00 ft**

Serial #: **3289** Inside

Press@RunDepth: **46.85 psig @ 4632.00 ft (KB)**

Start Date: **2001.06.15**

End Date:

2001.06.15

Start Time: **08:55:19**

End Time:

15:37:43

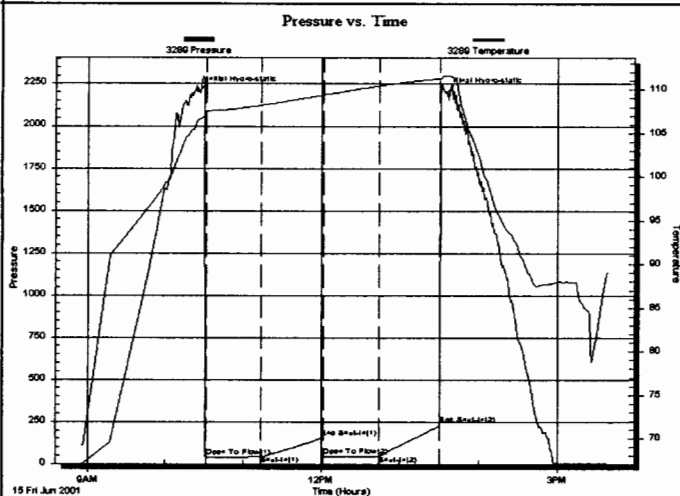
Capacity: **7000.00 psig**

Last Calib.: **2001.02.22**

Time On Btm: **2001.06.15 @ 10:25:59**

Time Off Btm: **2001.06.15 @ 13:34:59**

TEST COMMENT: Strong OBB in 1 min. I.F.P.
No blow-back. I.S.I.P.
2" built to strong OBB in 26 min. F.F.P.
No blow-back. F.S.I.P.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2207.15	106.52	Initial Hydro-static
6	38.00	107.37	Open To Flow (1)
48	41.76	108.18	Shut-In (1)
95	154.61	109.32	End Shut-In (1)
96	42.16	109.37	Open To Flow (2)
139	46.85	110.42	Shut-In (2)
185	229.84	111.28	End Shut-In (2)
189	2200.78	111.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Oil & gas cut mud 15%g 10%o 75%m	0.20
35.00	Slight oil cut mud 2%o 98%m	0.17
0.00	590 Ft. Gas in pipe	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.
Garden City Ks. 67846

ATTN: Al Downing

Lohrding "1-14"

14-31S-20W Comanche

Job Ticket: 14801

DST#: 1

Test Start: 2001.06.15 @ 08:55:14

Tool Information

Drill Pipe:	Length: 4267.00 ft	Diameter: 3.80 inches	Volume: 59.85 bbl	Tool Weight: 1800.00 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: 356.00 ft	Diameter: 2.25 inches	Volume: 1.75 bbl	Weight to Pull Loose: 8000.00 lb
		Total Volume:	61.60 bbl	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4630.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4604.00	
S.I. Tool	5.00			4609.00	
HMV	5.00			4614.00	
Jars	5.00			4619.00	
Safety Joint	2.00			4621.00	
Packer	4.00			4625.00	27.00 Bottom Of Top Packer
Packer	5.00			4630.00	
Stubb	1.00			4631.00	
Perforations	1.00			4632.00	
Recorder	0.00	3289	Inside	4632.00	
Perforations	32.00			4664.00	
Recorder	0.00	10242	Outside	4664.00	
Bullnose	2.00			4666.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Lohrding "1-14"

Garden City Ks. 67846

14-31S-20W Comanche

Job Ticket: 14801

DST#: 1

ATTN: Al Dow ning

Test Start: 2001.06.15 @ 08:55:14

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Oil & gas cut mud 15%g 10%o 75%m	0.197
35.00	Slight oil cut mud 2%o 98%m	0.172
0.00	590 Ft. Gas in pipe	0.000

Total Length: 75.00 ft

Total Volume: 0.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3289

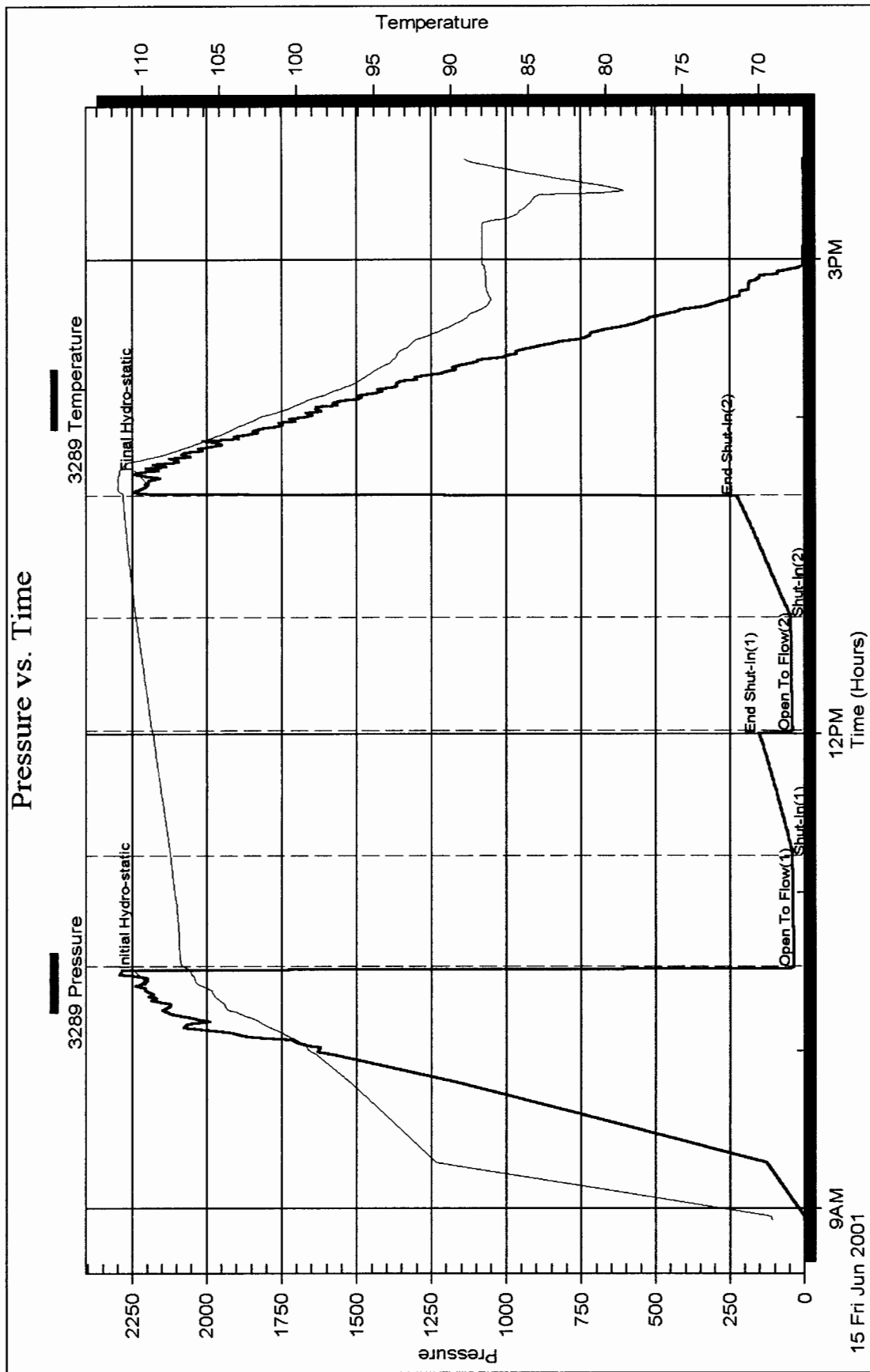
Inside

American Warrior Inc.

14-31S-20W Comanche

DST Test Number: 1

Pressure vs. Time

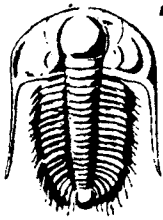


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Trilobite Testing, Inc

Ref. No: 14801

Printed: 2001.06.22 @ 09:53:29 Page 5



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14801

Test Ticket

Well Name & No. <u>Labelling "1-14"</u>	Test No. <u>1</u>	Date <u>6-15-2001</u>
Company <u>American Machine Inc.</u>	Zone Tested <u>Swage</u>	
Address <u>Camden City KS. 67846</u>	Elevation <u>2013</u> KB <u>2000</u> GL	
Co. Rep / Geo. <u>Al Dunning</u>	Cont. <u>Duke Rig 7</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>14</u> Twp. <u>31.5</u> Rge. <u>20 W.</u> Co. <u>Comanche</u> State <u>KS.</u>		
No. of Copies <u>Reg.</u> Distribution Sheet (Y, N) <u>N.</u>	Turnkey (Y, N) <u>N.</u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>4630-4666</u>	Initial Str Wt./Lbs. <u>26,000</u>	Unseated Str Wt./Lbs. <u>29,000</u>
Anchor Length <u>36'</u> <u>Tail=27</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>8,000</u>
Top Packer Depth <u>4625</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>4630</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>4666</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>356</u>
Mud Wt. <u>9.2</u> LCM <u>0</u> Vis. <u>48</u> WL <u>10.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4267 20' up</u>

Blow Description Strong ORB in 1 min. T.F.P.

No blow back. T.S.T.P.

2" built to strong ORB in 26 min. F.F.P.

No blow back. F.S.T.P.

Recovery — Total Feet 75 GIP 590 Ft. in DC 75 Ft. in DP 0

Rec. <u>35</u>	Feet Of <u>511' out m</u>	%gas <u>2</u> %oil <u> </u> %water <u>98</u> %mud <u> </u>
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Rec. <u>40</u>	Feet Of <u>0' out m</u>	15 %gas <u>10</u> %oil <u> </u> %water <u>75</u> %mud <u> </u>
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Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>
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Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>
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Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>
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BHT °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 8,000 ppm System

	AK-1	Alpine
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(A) Initial Hydrostatic Mud	<u>2207</u> PSI	Recorder No. <u>3289</u>	T-On Location <u>7:30 AM</u>
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(B) First Initial Flow Pressure	<u>38</u> PSI	(depth) <u>4632</u>	T-Started <u>8:55 AM</u>
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(C) First Final Flow Pressure	<u>41</u> PSI	Recorder No. <u>10242</u>	T-Open <u>10:30 AM</u>
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(D) Initial Shut-In Pressure	<u>154</u> PSI	(depth) <u>4663</u>	T-Pulled <u>1:30 PM</u>
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(E) Second Initial Flow Pressure	<u>42</u> PSI	Recorder No. <u> </u>	T-Out <u>3:45 PM</u>
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(F) Second Final Flow Pressure	<u>46</u> PSI	(depth) <u> </u>	T-Off Location <u> </u>
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(G) Final Shut-in Pressure	<u>229</u> PSI	Initial Opening <u>45</u>	Test <u>200</u> ✓
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(Q) Final Hydrostatic Mud	<u>2200</u> PSI	Initial Shut-in <u>45</u>	Jars <u>200</u> ✓
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		Final Flow <u>45</u>	Safety Joint <u>50</u> ✓
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		Final Shut-in <u>45</u>	Straddle <u> </u>
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			Circ. Sub <u> </u>
--	--	--	-----------------------

			Sampler <u> </u>
--	--	--	---------------------

			Extra Packer <u> </u>
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			Elec. Rec. <u>150</u> ✓
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			Mileage <u>70</u> ✓
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			Other <u> </u>
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TOTAL PRICE 1275.00

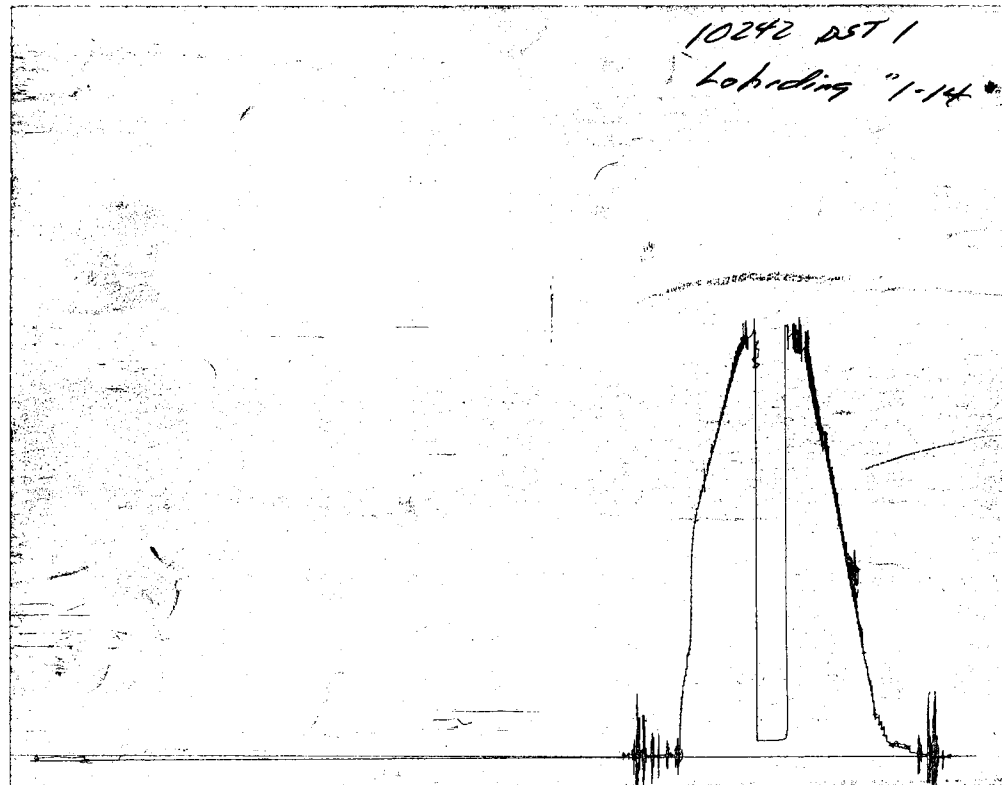
61510855.289
TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]

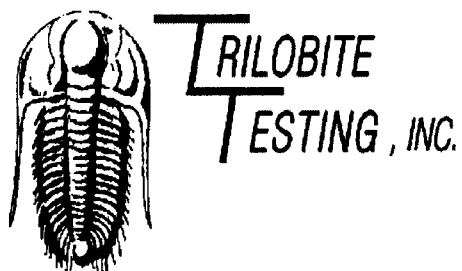
Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart



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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

Garden City Ks. 67846

ATTN: Al Downing

14-31S-20W Comanche

Lohrding "1-14"

Start Date: 2001.06.17 @ 02:50:19

End Date: 2001.06.17 @ 09:32:04

Job Ticket #: 14802 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.

Garden City Ks. 67846

ATTN: Al Dow ning

Lohrding "1-14"

14-31S-20W Comanche

Job Ticket: 14802

DST#: 2

Test Start: 2001.06.17 @ 02:50:19

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:36:04

Time Test Ended: 09:32:04

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: 4934.00 ft (KB) To 5085.00 ft (KB) (TVD)

Total Depth: 5085.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2013.00 ft (KB)

2000.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 3289

Inside

Press@RunDepth: 68.78 psig @ 4936.00 ft (KB)

Start Date: 2001.06.17

End Date:

2001.06.17

Capacity: 7000.00 psig

Last Calib.: 2001.02.22

Start Time: 02:50:24

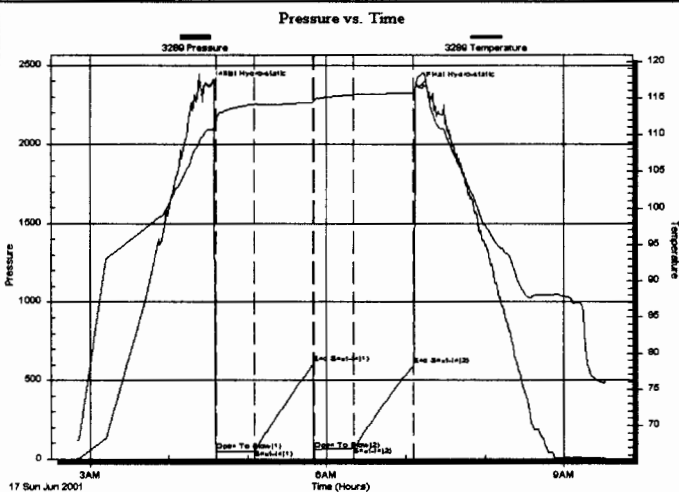
End Time:

09:32:03

Time On Btm: 2001.06.17 @ 04:30:49

Time Off Btm: 2001.06.17 @ 07:10:19

TEST COMMENT: Strong OBB in 1 min. I.F.P.
No blow -back. I.S.I.P.
Strong OBB immed. & throughout. F.F.P.
No blow -back. F.S.I.P.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2369.31	110.63	Initial Hydro-static
6	45.17	111.56	Open To Flow (1)
35	50.01	114.12	Shut-In(1)
79	600.64	114.37	End Shut-In(1)
80	51.27	114.52	Open To Flow (2)
110	68.78	115.43	Shut-In(2)
155	594.47	115.68	End Shut-In(2)
160	2362.14	117.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Slight gas cut mud 2%g 98%m	0.44
0.00	2020 Ft. Gas in pipe	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.

Lohrding "1-14"

Garden City Ks. 67846

14-31S-20W Comanche

Job Ticket: 14802

DST#: 2

ATTN: Al Downing

Test Start: 2001.06.17 @ 02:50:19

Tool Information

Drill Pipe:	Length: 4581.00 ft	Diameter: 3.80 inches	Volume: 64.26 bbl	Tool Weight: 3800.00 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: 356.00 ft	Diameter: 2.25 inches	Volume: 1.75 bbl	Weight to Pull Loose: 5000.00 lb
		Total Volume: 66.01 bbl		Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 79000.00 lb
Depth to Top Packer:	4934.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	151.00 ft			
Tool Length:	178.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4908.00	
S.I. Tool	5.00			4913.00	
HMV	5.00			4918.00	
Jars	5.00			4923.00	
Safety Joint	2.00			4925.00	
Packer	4.00			4929.00	27.00 Bottom Of Top Packer
Packer	5.00			4934.00	
Stubb	1.00			4935.00	
Perforations	1.00			4936.00	
Recorder	0.00	3289	Inside	4936.00	
Perforations	23.00			4959.00	
C.O. Sub	1.00			4960.00	
Blank Spacing	122.00			5082.00	
Recorder	0.00	10242	Outside	5082.00	
C.O. Sub	1.00			5083.00	
Bullnose	2.00			5085.00	151.00 Bottom Packers & Anchor
Total Tool Length:		178.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Lohrding "1-14"

Garden City Ks. 67846

14-31S-20W Comanche

Job Ticket: 14802

DST#: 2

ATTN: Al Dow ning

Test Start: 2001.06.17 @ 02:50:19

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Slight gas cut mud 2%g 98%m	0.443
0.00	2020 Ft. Gas in pipe	0.000

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

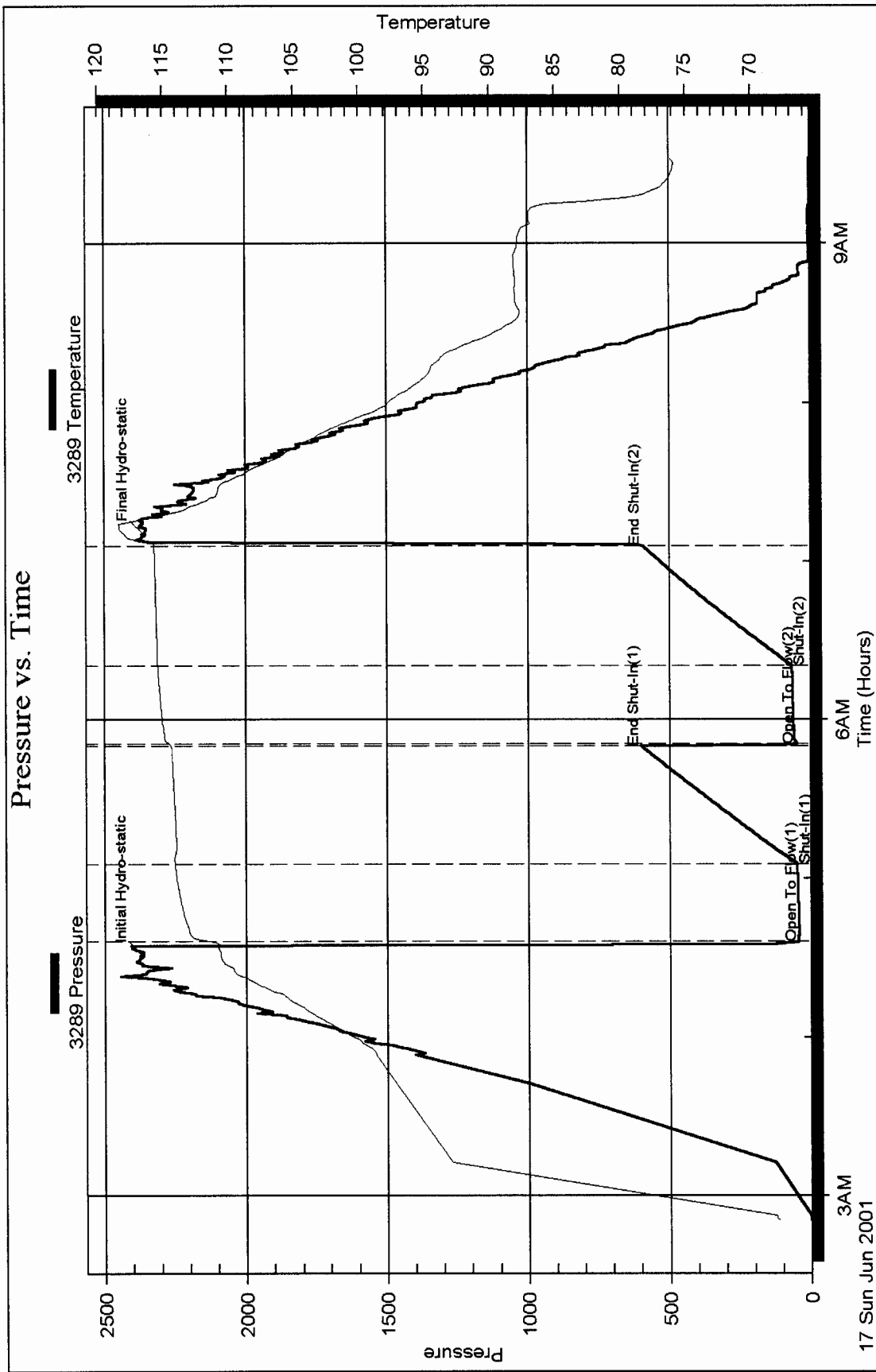
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

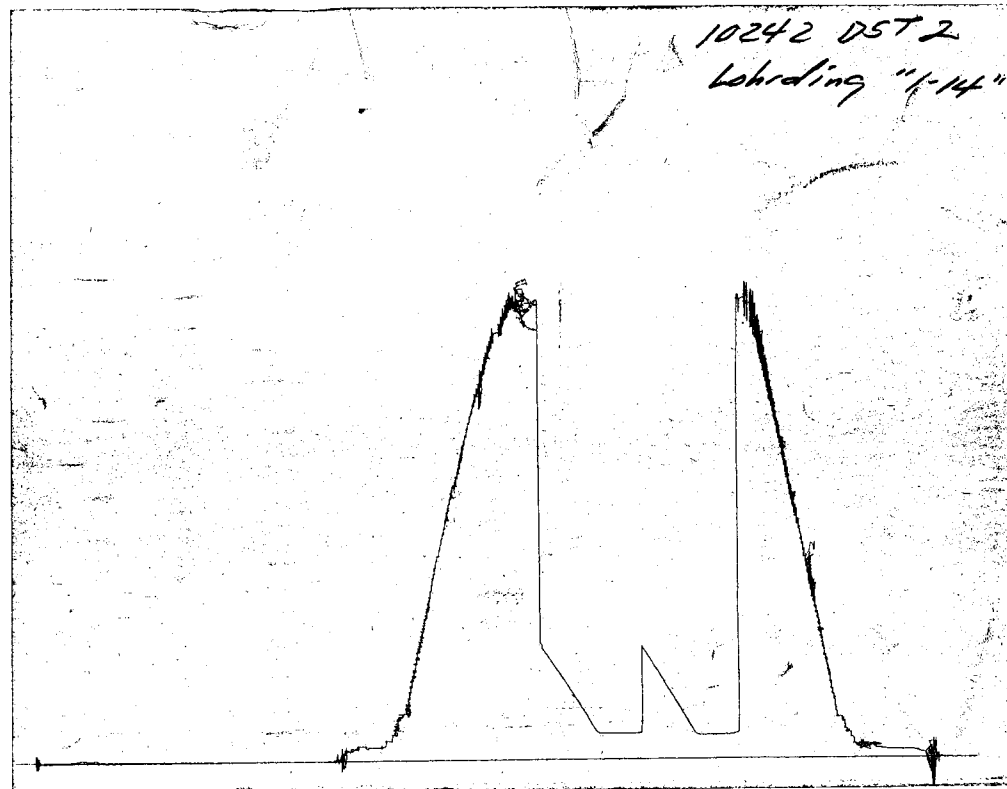
Pressure vs. Time

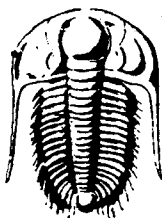


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CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14802

Test Ticket

Well Name & No. <u>Lohnding "1-14"</u>	Test No. <u>2</u>	Date <u>6-17-2001</u>
Company <u>American Maricopa Inc.</u>	Zone Tested <u>Miss.</u>	
Address <u>G.C. Ks. 62846</u>	Elevation <u>2013</u>	KB <u>2000</u> GL
Co. Rep / Geo. <u>Al Downing</u>	Cont. <u>Duke Rig 7</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>14</u>	Twp. <u>31S</u>	Rge. <u>20W</u> Co. <u>Camanche</u> State <u>Ks.</u>
No. of Copies <u>Rep</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested 4934-5085 Initial Str Wt./Lbs. 79,000 Unseated Str Wt./Lbs. 80,000
 Anchor Length 151' Tail = 27' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 5,000
 Top Packer Depth 4929 Tool Weight 3,800
 Bottom Packer Depth 4934 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5085 Wt. Pipe Run Drill Collar Run 356
 Mud Wt. 9.1 LCM 3# Vis. 50 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 4581 30 in
 Blow Description Strong ORB in 1 min. I.F.P.
No blow-back. I.S.T.P.
Strong ORB in 1 min. & throughout F.T.P.
No blow-back F.S.T.P.

Recovery — Total Feet 90 GIP 2020 Ft. in DC 90 Ft. in DP 0
 Rec. 90 Feet Of slt Gcut m 2 %gas %oil %water 98%mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 115 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 6,400 ppm System

AK-1	Alpine	
(A) Initial Hydrostatic Mud	<u>2369</u>	PSI Recorder No. <u>3289 "02:50"</u> T-On Location <u>1:40 AM.</u>
(B) First Initial Flow Pressure	<u>45</u>	PSI (depth) <u>4936</u> T-Started <u>2:50 AM.</u>
(C) First Final Flow Pressure	<u>50</u>	PSI Recorder No. <u>10242</u> T-Open <u>4:35 AM.</u> 8
(D) Initial Shut-In Pressure	<u>600</u>	PSI (depth) <u>5082</u> T-Pulled <u>7:05 AM.</u>
(E) Second Initial Flow Pressure	<u>51</u>	PSI Recorder No. <u> </u> T-Out <u>9:40 AM.</u>
(F) Second Final Flow Pressure	<u>68</u>	PSI (depth) <u> </u> T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>594</u>	PSI Initial Opening <u>30</u> Test <u>1900</u> ✓
(Q) Final Hydrostatic Mud	<u>2362</u>	PSI Initial Shut-in <u>45</u> Jars <u>1200</u> ✓
		Final Flow <u>30</u> Safety Joint <u>150</u> ✓
		Final Shut-in <u>45</u> Straddle <u> </u>
		Circ. Sub <u> </u>
		Sampler <u> </u>
		Extra Packer <u> </u>
		Elec. Rec. <u>150</u> ✓
		Mileage <u>70</u> ✓
		Other <u> </u>

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Approved By AL

Our Representative Harry S. Subya

TOTAL PRICE \$ 1,370.00