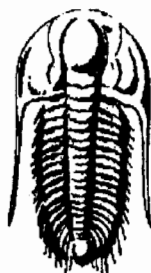


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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO. Box 399  
Garden City KS 67846

ATTN: Cecil O' Brate

**13-32s-19w Comanche**

### **Lake #6**

Start Date: 2001.09.23 @ 10:21:56

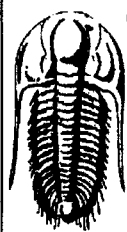
End Date: 2001.09.23 @ 19:23:55

Job Ticket #: 14973      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: Cecil O' Brate

Lake #6

13-32s-19w Comanche

Job Ticket: 14973

DST#: 1

Test Start: 2001.09.23 @ 10:21:56

### GENERAL INFORMATION:

Formation: **Mississippi**

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

Time Tool Opened: 13:09:55

Time Test Ended: 19:23:55

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **13**

Interval: **5105.00 ft (KB) To 5234.00 ft (KB) (TVD)**

Total Depth: **5234.00 ft (KB) (TVD)**

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

Reference Elevations: **2051.00 ft (KB)**

**2038.00 ft (CF)**

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

Serial #: **2342**

Inside

Press@RunDepth: **144.52 psig @ 5106.00 ft (KB)**

Start Date: **2001.09.23**

End Date: **2001.09.23**

Capacity: **7000.00 psig**

Last Calib.: **2001.09.17**

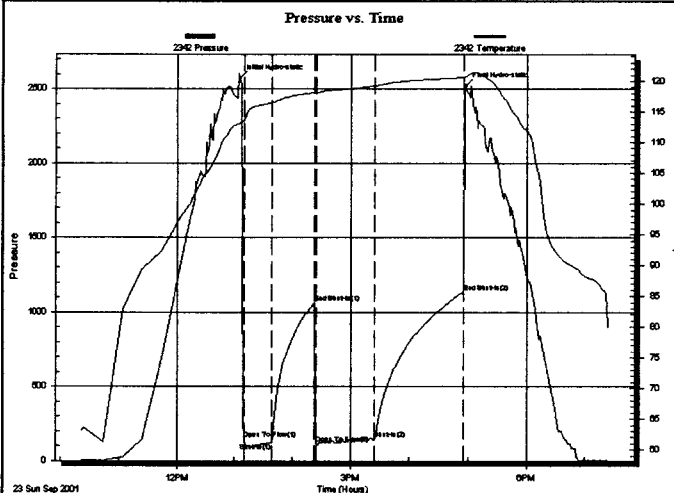
Start Time: **10:21:56**

End Time: **19:23:55**

Time On Btm: **2001.09.23 @ 13:05:55**

Time Off Btm: **2001.09.23 @ 16:57:25**

TEST COMMENT: IF: Strong blow . B.O.B.in 30 ses. GTS in 6 mins see gas report  
LS.I Weak blow to 1/4"  
FF: Strong blow . see gas volume report  
FS: Weak blow to 1/4"



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2573.81         | 113.08       | Initial Hydro-static |
| 4           | 148.21          | 113.55       | Open To Flow (1)     |
| 34          | 122.02          | 116.51       | Shut-In(1)           |
| 77          | 1065.71         | 118.12       | End Shut-In(1)       |
| 79          | 111.95          | 118.08       | Open To Flow (2)     |
| 139         | 144.52          | 119.22       | Shut-In(2)           |
| 230         | 1138.22         | 120.60       | End Shut-In(2)       |
| 232         | 2521.18         | 120.78       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                | Volume (bbl) |
|-------------|----------------------------|--------------|
| 270.00      | SGCM                       | 1.33         |
| 0.00        | Gas in all fluid free pipe | 0.00         |
|             |                            |              |
|             |                            |              |
|             |                            |              |
|             |                            |              |

### Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.25           | 7.00            | 33.95            |
| Last Gas Rate  | 0.13           | 20.00           | 12.88            |
| Max. Gas Rate  | 0.13           | 20.00           | 12.88            |



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Lake #6

P.O. Box 399  
Garden City KS 67846

**13-32s-19w Comanche**

Job Ticket: 14973

DST#: 1

ATTN: Cecil O' Brate

Test Start: 2001.09.23 @ 10:21:56

### Tool Information

|                           |                    |                       |                         |                        |             |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4733.00 ft | Diameter: 3.80 inches | Volume: 66.39 bbl       | Tool Weight:           | 2100.00 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:  | 82000.00 lb |
|                           |                    |                       | Total Volume: 68.14 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 11.00 ft           |                       |                         | String Weight: Initial | 80000.00 lb |
| Depth to Top Packer:      | 5105.00 ft         |                       |                         | Final                  | 81000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                         |                        |             |
| Interval between Packers: | 129.00 ft          |                       |                         |                        |             |
| Tool Length:              | 156.00 ft          |                       |                         |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                        |             |
| Tool Comments:            |                    |                       |                         |                        |             |

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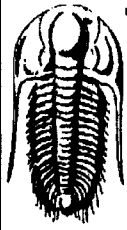
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### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|------------------|-------------|------------|----------|------------|--------------------------------|
| C.O. Sub         | 1.00        |            |          | 5079.00    |                                |
| S.I. Tool        | 5.00        |            |          | 5084.00    |                                |
| HMV              | 5.00        |            |          | 5089.00    |                                |
| Jars             | 5.00        |            |          | 5094.00    |                                |
| Safety Joint     | 2.00        |            |          | 5096.00    |                                |
| Packer           | 4.00        |            |          | 5100.00    | 27.00 Bottom Of Top Packer     |
| Packer           | 5.00        |            |          | 5105.00    |                                |
| Stubb            | 1.00        |            |          | 5106.00    |                                |
| Recorder         | 0.00        | 2342       | Inside   | 5106.00    |                                |
| Perforations     | 27.00       |            |          | 5133.00    |                                |
| C.O. Sub         | 1.00        |            |          | 5134.00    |                                |
| Blank Spacing    | 94.00       |            |          | 5228.00    |                                |
| C.O. Sub         | 1.00        |            |          | 5229.00    |                                |
| Recorder         | 0.00        | 10248      | Outside  | 5229.00    |                                |
| Bullnose         | 5.00        |            |          | 5234.00    | 129.00 Bottom Packers & Anchor |

**Total Tool Length: 156.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

American Warrior Inc.

Lake #6

P.O. Box 399  
Garden City KS 67846

13-32s-19w Comanche

Job Ticket: 14973

DST#: 1

ATTN: Cecil O' Brate

Test Start: 2001.09.23 @ 10:21:56

### 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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                | Volume<br>bbl |
|--------------|----------------------------|---------------|
| 270.00       | SGCM                       | 1.328         |
| 0.00         | Gas in all fluid free pipe | 0.000         |

Total Length: 270.00 ft

Total Volume: 1.328 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

American Warrior Inc.

**Lake #6**

PO. Box 399  
Garden City KS 67846

**13-32s-19w Comanche**

Job Ticket: 14973

**DST#: 1**

ATTN: Cecil O' Brate

Test Start: 2001.09.23 @ 10:21:56

### Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke<br>(mm) | Pressure<br>(kPaa) | Gas Rate<br>(m <sup>3</sup> /d) |
|-------------|--------------|---------------|--------------------|---------------------------------|
| 1           | 10           | 0.25          | 7.00               | 33.95                           |
| 1           | 20           | 0.25          | 10.00              | 38.71                           |
| 1           | 30           | 0.25          | 10.00              | 38.71                           |
| 2           | 10           | 0.25          | 11.00              | 40.30                           |
| 2           | 20           | 0.25          | 8.00               | 35.54                           |
| 2           | 30           | 0.13          | 9.00               | 8.76                            |
| 2           | 40           | 0.13          | 12.00              | 9.88                            |
| 2           | 50           | 0.13          | 15.00              | 11.00                           |
| 2           | 60           | 0.13          | 20.00              | 12.88                           |

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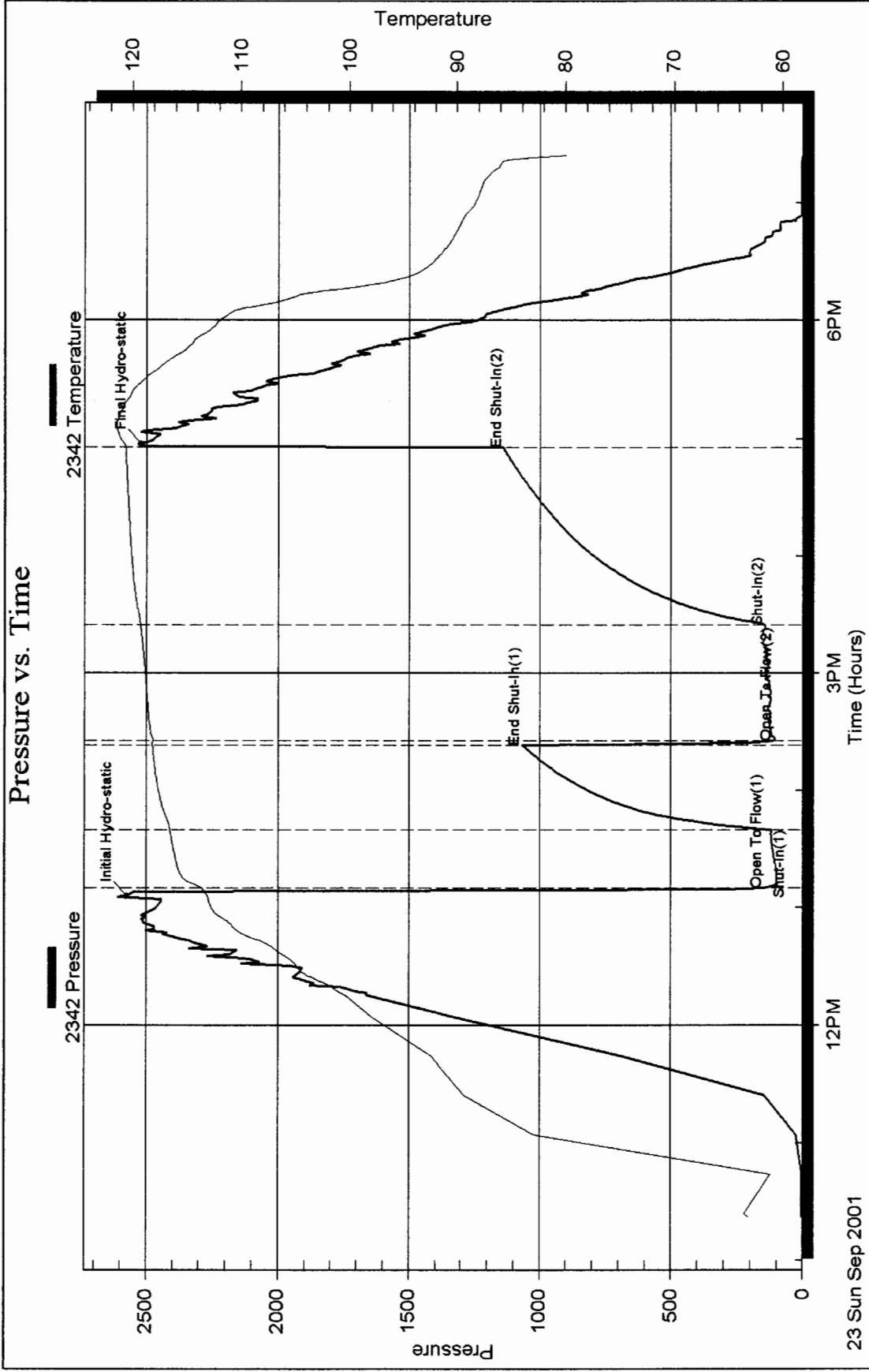
Serial #: 2342

Inside

American Warrior Inc.

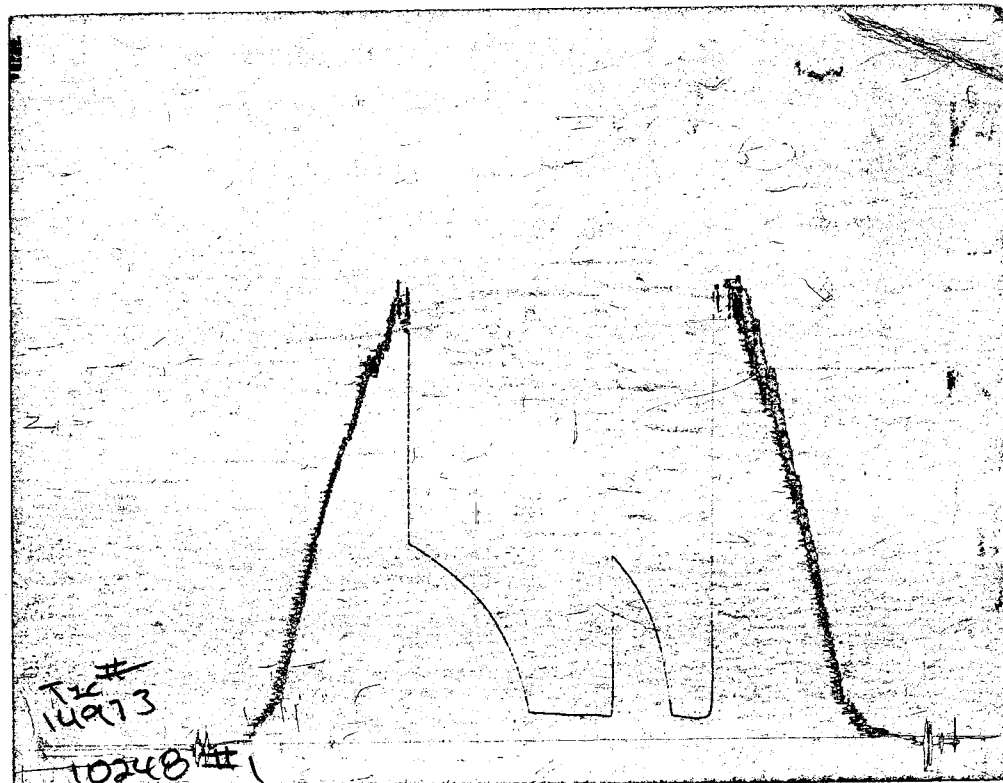
13-32s-19w Comanche

DST Test Number: 1



## CHART PAGE

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





## GAS VOLUME REPORT

American Warrior Inc. Lake #6

**OPERATOR**

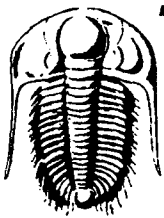
WELL NAME AND NO.

DST NO.

Initial Open

## Final Open

Remarks:



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14973

## Test Ticket

Well Name & No. LAKE #10 Test No. 1 Date 9-23-01  
 Company American warrior INC Zone Tested Miss.  
 Address P.O. Box 399 Garden City KS 67846 Elevation 2051 KB 2038 GL  
 Co. Rep / Geo. Cecil O'Brate Cont. Duke #7 Est. Ft. of Pay      Por.      %  
 Location: Sec. 13 Twp. 32S Rge. 19W Co. Comanche State KS  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 5105-5234 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 81,000  
 Anchor Length 129 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 82,000  
 Top Packer Depth 5100 Tool Weight 2100  
 Bottom Packer Depth 5105 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓  
 Total Depth 5234 Wt. Pipe Run None Drill Collar Run 356  
 Mud Wt. 9.3 LCM 3 Vis. 57 WL 8.8 Drill Pipe Size 4 1/2 X-H Ft. Run 4733  
 Blow Description IF: Strong Blow B.O.B 120 30 Secs. G.T.S. 6 MINS. See Gas Volume Report

FSI: weak Blow 1/4"  
FF: Strong Blow See Gas Volume Report  
FSI weak Blow 1/4"

Recovery — Total Feet 270 GIP yes Ft. in DC 270 Ft. in DP 0  
 Rec. 270 Feet Of 5.6 CM. %gas %oil %water 95 %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 120 °F Gravity N/A °API D@      °F Corrected Gravity N/A °API  
 RW N.C. @ 2 °F Chlorides 5,000 ppm Recovery Chlorides 5,000 ppm System

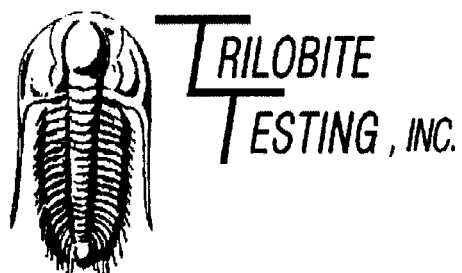
|                                  | AK-1        | Alpine |                           |                          |              |  |
|----------------------------------|-------------|--------|---------------------------|--------------------------|--------------|--|
| (A) Initial Hydrostatic Mud      | <u>2574</u> | PSI    | Recorder No. <u>2342</u>  | T-On Location            | <u>09:30</u> |  |
| (B) First Initial Flow Pressure  | <u>148</u>  | PSI    | (depth) <u>10248 5106</u> | T-Started                | <u>1021</u>  |  |
| (C) First Final Flow Pressure    | <u>122</u>  | PSI    | Recorder No. <u>10248</u> | T-Open                   | <u>1309</u>  |  |
| (D) Initial Shut-In Pressure     | <u>1066</u> | PSI    | (depth) <u>5229</u>       | T-Pulled                 | <u>1656</u>  |  |
| (E) Second Initial Flow Pressure | <u>112</u>  | PSI    | Recorder No. <u>    </u>  | T-Out                    | <u>1923</u>  |  |
| (F) Second Final Flow Pressure   | <u>145</u>  | PSI    | (depth) <u>    </u>       | T-Off Location           | <u>2103</u>  |  |
| (G) Final Shut-in Pressure       | <u>1138</u> | PSI    | Initial Opening <u>30</u> | Test <u>✓</u>            | <u>900°</u>  |  |
| (Q) Final Hydrostatic Mud        | <u>2521</u> | PSI    | Initial Shut-in <u>40</u> | Jars <u>✓</u>            | <u>200°</u>  |  |
|                                  |             |        | Final Flow <u>60</u>      | Safety Joint <u>✓</u>    | <u>50°</u>   |  |
|                                  |             |        | Final Shut-in <u>90</u>   | Straddle <u>    </u>     |              |  |
|                                  |             |        |                           | Circ. Sub <u>    </u>    |              |  |
|                                  |             |        |                           | Sampler <u>    </u>      |              |  |
|                                  |             |        |                           | Extra Packer <u>    </u> |              |  |
|                                  |             |        |                           | Elec. Rec. <u>✓</u>      | <u>150°</u>  |  |
|                                  |             |        |                           | Mileage <u>✓</u>         | <u>60</u>    |  |
|                                  |             |        |                           | Other <u>    </u>        |              |  |
|                                  |             |        |                           | TOTAL PRICE \$           | <u>1360°</u> |  |

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Approved By [Signature]

Our Representative Gay P. [Signature]

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## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO. Box 399  
Garden City KS 67846

ATTN: Cecil O' Brate

**13-32s-19w Comanche**

**Lake #6**

Start Date: 2001.09.27 @ 20:47:00

End Date: 2001.09.27 @ 05:10:00

Job Ticket #: 14975      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.

P.O. Box 399  
Garden City KS 67846

ATTN: Cecil O' Brate

Lake #6

13-32s-19w Comanche

Job Ticket: 14975

DST#: 2

Test Start: 2001.09.27 @ 20:47:00

### GENERAL INFORMATION:

Formation: **Viola**

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

Time Tool Opened: 23:05:40

Time Test Ended: 05:10:00

Test Type: **Conventional Straddle**

Tester: **Gary Pevoteaux**

Unit No: **13**

Interval: **5760.00 ft (KB) To 5803.00 ft (KB) (TVD)**

Total Depth: **5234.00 ft (KB) (TVD)**

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

Reference Elevations: **2051.00 ft (KB)**

**2038.00 ft (CF)**

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

Serial #: **2342**

Inside

Press@RunDepth: **29.70 psig @ 5761.00 ft (KB)**

Start Date: **2001.09.26**

End Date: **2001.09.27**

Capacity: **7000.00 psig**

Last Calib.: **2001.09.17**

Start Time: **20:47:11**

End Time: **05:10:40**

Time On Btm: **2001.09.26 @ 23:03:10**

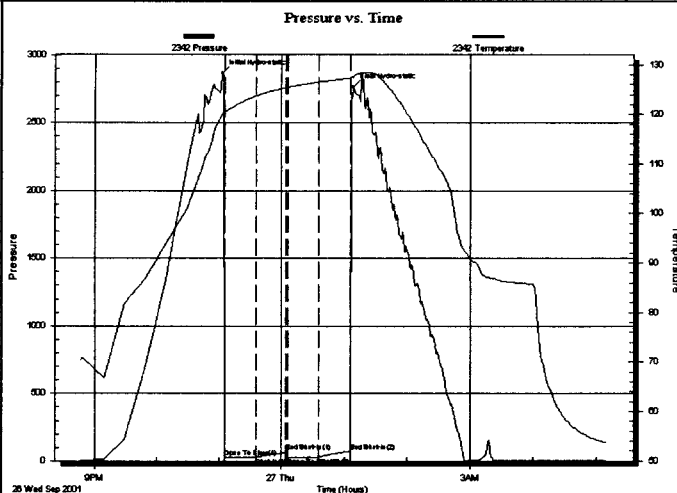
Time Off Btm: **2001.09.27 @ 01:08:10**

TEST COMMENT: **IF Weak blow . Building to 1/2"**

**ISI No blow .**

**FF Weak blow . Building to 1/4"**

**FSI No blow .**



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2865.29         | 119.79       | Initial Hydro-static |
| 3           | 25.67           | 120.50       | Open To Flow (1)     |
| 33          | 28.28           | 123.70       | Shut-In(1)           |
| 62          | 68.73           | 125.39       | End Shut-In(1)       |
| 63          | 24.58           | 125.42       | Open To Flow (2)     |
| 92          | 29.70           | 126.50       | Shut-In(2)           |
| 123         | 72.59           | 127.30       | End Shut-In(2)       |
| 125         | 2767.26         | 127.35       | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 25.00       | SGCM        | 0.12         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Lake #6

PO. Box 399  
Garden City KS 67846

**13-32s-19w Comanche**

Job Ticket: 14975

**DST#: 2**

ATTN: Cecil O' Brate

Test Start: 2001.09.27 @ 20:47:00

### Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 5391.00 ft | Diameter: 3.80 inches | Volume: 75.62 bbl              | Tool Weight:           | 2100.00 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:  | 100000.0 lb |
|                           |                    |                       | <b>Total Volume: 77.37 bbl</b> | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 14.00 ft           |                       |                                | String Weight: Initial | 84000.00 lb |
| Depth to Top Packer:      | 5760.00 ft         |                       |                                | Final                  | 85000.00 lb |
| Depth to Bottom Packer:   | 5803.00 ft         |                       |                                |                        |             |
| Interval between Packers: | 43.00 ft           |                       |                                |                        |             |
| Tool Length:              | 187.00 ft          |                       |                                |                        |             |
| Number of Packers:        | 3                  | Diameter:             | 6.75 inches                    |                        |             |
| Tool Comments:            |                    |                       |                                |                        |             |

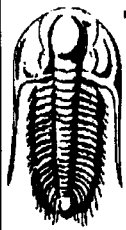
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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|------------------|-------------|------------|----------|------------|--------------------------------|
| C.O. Sub         | 1.00        |            |          | 5734.00    |                                |
| S.I. Tool        | 5.00        |            |          | 5739.00    |                                |
| HMV              | 5.00        |            |          | 5744.00    |                                |
| Jars             | 5.00        |            |          | 5749.00    |                                |
| Safety Joint     | 2.00        |            |          | 5751.00    |                                |
| Packer           | 4.00        |            |          | 5755.00    | 27.00 Bottom Of Top Packer     |
| Packer           | 5.00        |            |          | 5760.00    |                                |
| Stubb            | 1.00        |            |          | 5761.00    |                                |
| Recorder         | 0.00        | 2342       | Inside   | 5761.00    |                                |
| Perforations     | 3.00        |            |          | 5764.00    |                                |
| C.O. Sub         | 1.00        |            |          | 5765.00    |                                |
| Blank Spacing    | 31.00       |            |          | 5796.00    |                                |
| C.O. Sub         | 1.00        |            |          | 5797.00    |                                |
| Perforations     | 2.00        |            |          | 5799.00    |                                |
| Recorder         | 0.00        | 13539      | Outside  | 5799.00    |                                |
| Blank Off Sub    | 1.00        |            |          | 5800.00    |                                |
| T.C.             | 3.00        |            |          | 5803.00    | 43.00 Tool Interval            |
| Packer           | 0.00        |            |          | 5803.00    |                                |
| Stubb            | 1.00        |            |          | 5804.00    |                                |
| C.O. Sub         | 1.00        |            |          | 5805.00    |                                |
| Blank Spacing    | 94.00       |            |          | 5899.00    |                                |
| C.O. Sub         | 1.00        |            |          | 5900.00    |                                |
| Perforations     | 15.00       |            |          | 5915.00    |                                |
| Recorder         | 0.00        | 10248      | Outside  | 5915.00    |                                |
| Bullnose         | 5.00        |            |          | 5920.00    | 117.00 Bottom Packers & Anchor |

**Total Tool Length: 187.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

American Warrior Inc.

Lake #6

P.O. Box 399  
Garden City KS 67846

13-32s-19w Comanche

Job Ticket: 14975

DST#: 2

ATTN: Cecil O' Brate

Test Start: 2001.09.27 @ 20:47:00

### 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:

6000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 25.00        | SGCM        | 0.123         |

Total Length: 25.00 ft

Total Volume: 0.123 bbl

Num Fluid Samples: 0

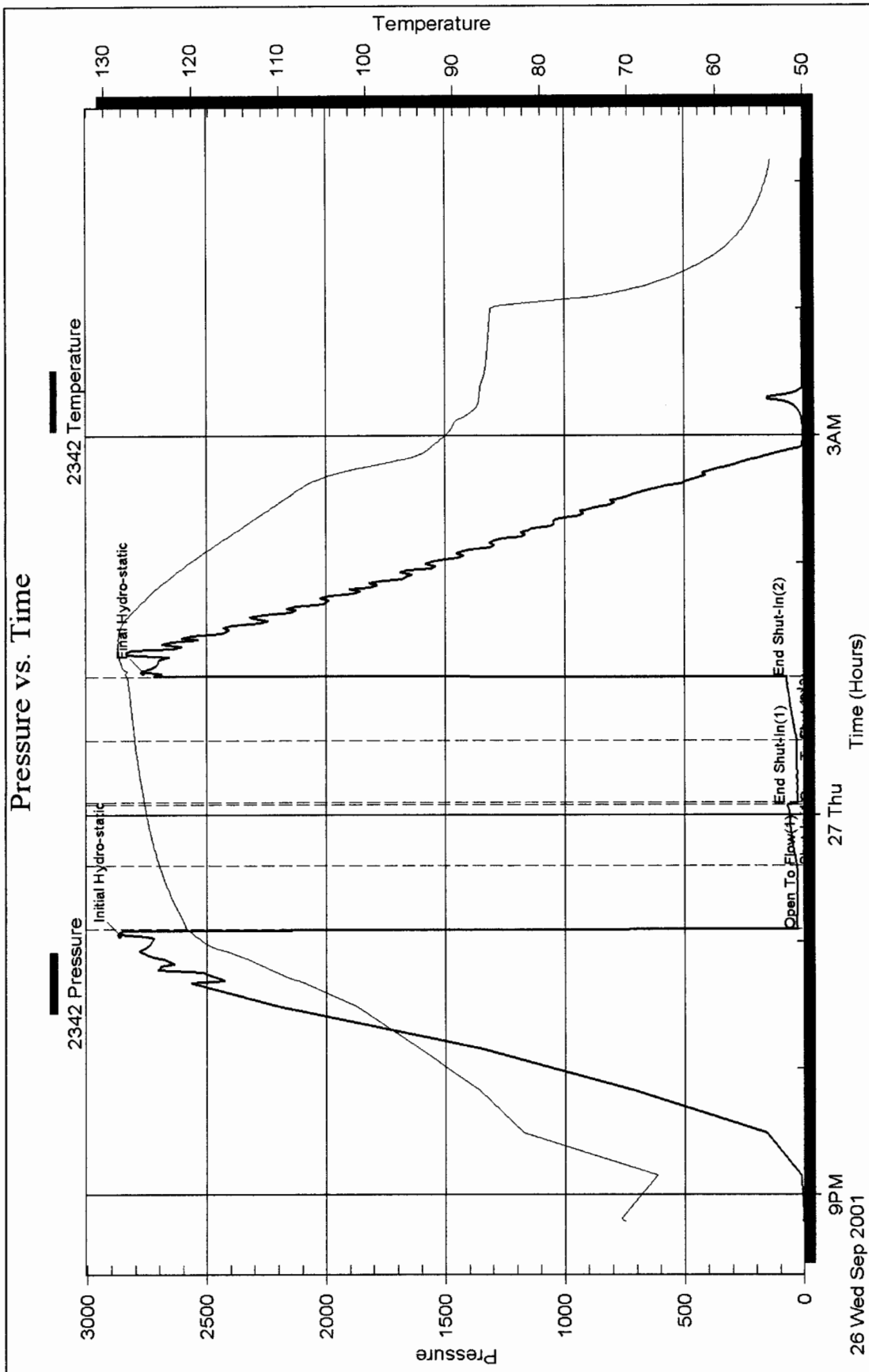
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

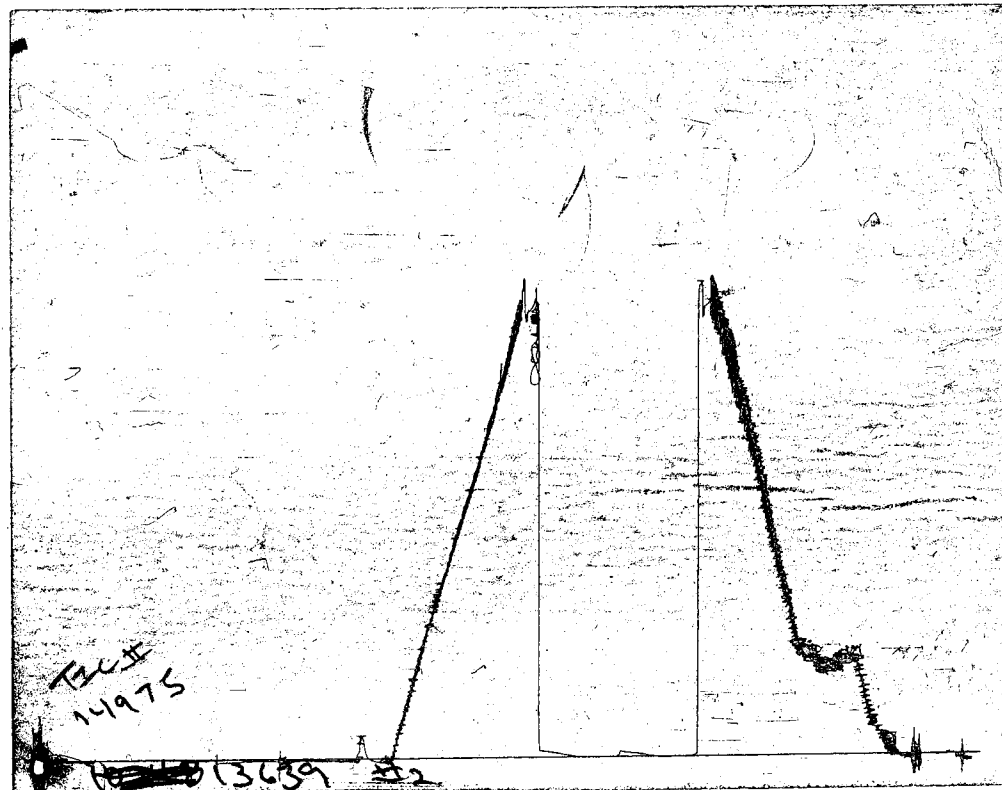
Recovery Comments:



RECEIVED  
MAY 14 2002  
KCC WICHITA

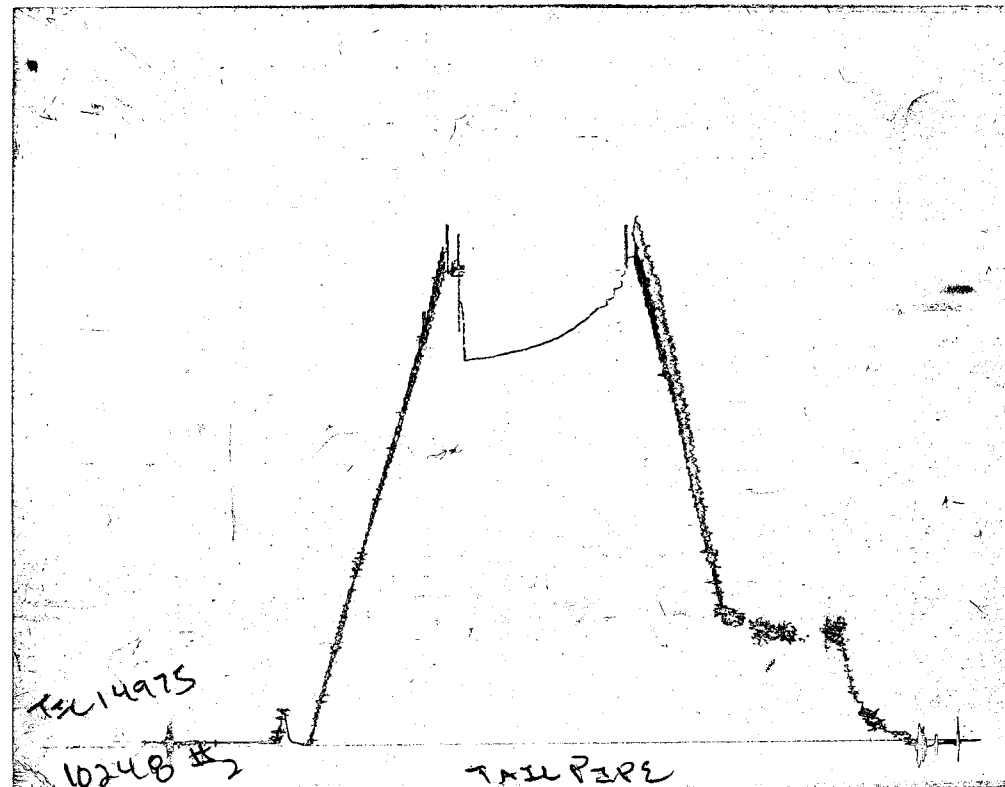
## CHART PAGE

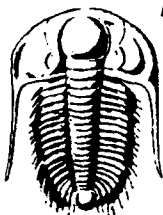
This is a photocopy of the actual AK-1 recorder chart



## CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14975

## Test Ticket

|                                                  |                                         |                                                          |
|--------------------------------------------------|-----------------------------------------|----------------------------------------------------------|
| Well Name & No. <u>LAKE #6</u>                   | Test No. <u>2</u>                       | Date <u>9-26-01</u>                                      |
| Company <u>American warrior</u>                  | Zone Tested <u>VIOLA</u>                |                                                          |
| Address <u>P.O. Box 399 Garden City KS 67846</u> | Elevation <u>2051</u> KB <u>2038</u> GL |                                                          |
| Co. Rep / Geo. <u>AL Downing</u>                 | Cont. <u>Duke #7</u>                    | Est. Ft. of Pay <u>    </u> Por. <u>    </u> %           |
| Location: Sec. <u>13</u>                         | Twp. <u>32S</u>                         | Rge. <u>19W</u> Co. <u>Comanche</u> State <u>KS</u>      |
| No. of Copies <u>5</u>                           | Distribution Sheet (Y, N) <u>N</u>      | Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u> |

|                                                              |                                    |                                      |
|--------------------------------------------------------------|------------------------------------|--------------------------------------|
| Interval Tested <u>5760 - 5803</u>                           | Initial Str Wt./Lbs. <u>84,000</u> | Unseated Str Wt./Lbs. <u>85,000</u>  |
| Anchor Length <u>43</u>                                      | Wt. Set Lbs. <u>20,000</u>         | Wt. Pulled Loose/Lbs. <u>100,000</u> |
| Top Packer Depth <u>5755 1/2 5760</u>                        | Tool Weight <u>2,100</u>           |                                      |
| Bottom Packer Depth <u>5803</u>                              | Hole Size — 7 7/8" <u>✓</u>        | Rubber Size — 6 3/4" <u>✓</u>        |
| Total Depth <u>5920 LTD</u>                                  | Wt. Pipe Run <u>None</u>           | Drill Collar Run <u>356</u>          |
| Mud Wt. <u>9.1</u> LCM <u>6</u> Vis. <u>62</u> WL <u>8.8</u> | Drill Pipe Size <u>4 1/2 X-H</u>   | Ft. Run <u>5391</u>                  |

Blow Description I.F. weak Blow. Building to 1/2"

ESI. No Blow

F.F. weak Blow. Building to 1/4"

F.S.I. No Blow.

|                                 |                       |                           |                                                |
|---------------------------------|-----------------------|---------------------------|------------------------------------------------|
| Recovery — Total Feet <u>25</u> | GIP <u>0</u>          | Ft. in DC <u>25</u>       | Ft. in DP <u>0</u>                             |
| Rec. <u>25</u>                  | Feet Of <u>SGCM</u>   | %gas                      | %oil                                           |
| Rec. <u>    </u>                | Feet Of <u>    </u>   | %water                    | %mud                                           |
| Rec. <u>    </u>                | Feet Of <u>    </u>   | %gas                      | %oil                                           |
| Rec. <u>    </u>                | Feet Of <u>    </u>   | %water                    | %mud                                           |
| Rec. <u>    </u>                | Feet Of <u>    </u>   | %gas                      | %oil                                           |
| Rec. <u>    </u>                | Feet Of <u>    </u>   | %water                    | %mud                                           |
| BHT <u>127</u>                  | °F Gravity <u>N/A</u> | °API D@ <u>    </u>       | °F Corrected Gravity <u>N/A</u>                |
| RW <u>N.C.</u>                  | @ <u>    </u>         | °F Chlorides <u>6,000</u> | ppm Recovery Chlorides <u>6,000</u> ppm System |

|                                  |      |        |      |     |                           |                                        |
|----------------------------------|------|--------|------|-----|---------------------------|----------------------------------------|
| (A) Initial Hydrostatic Mud      | AK-1 | Alpine | 2865 | PSI | Recorder No. <u>2342</u>  | T-On Location <u>1935</u>              |
| (B) First Initial Flow Pressure  |      |        | 26   | PSI | (depth) <u>5761</u>       | T-Started <u>2047</u>                  |
| (C) First Final Flow Pressure    |      |        | 28   | PSI | Recorder No. <u>10248</u> | T-Open <u>2305</u>                     |
| (D) Initial Shut-In Pressure     |      |        | 69   | PSI | (depth) <u>5799</u>       | T-Pulled <u>01:06</u>                  |
| (E) Second Initial Flow Pressure |      |        | 25   | PSI | Recorder No. <u>10248</u> | T-Out <u>05:10</u>                     |
| (F) Second Final Flow Pressure   |      |        | 30   | PSI | (depth) <u>5915</u>       | T-Off Location <u>06:00</u>            |
| (G) Final Shut-in Pressure       |      |        | 73   | PSI | Initial Opening <u>30</u> | Test <u>✓</u> <u>900</u> °°            |
| (Q) Final Hydrostatic Mud        |      |        | 2767 | PSI | Initial Shut-in <u>30</u> | Jars <u>✓</u> <u>200</u> °°            |
|                                  |      |        |      |     | Final Flow <u>30</u>      | Safety Joint <u>✓</u> <u>50</u> °°     |
|                                  |      |        |      |     | Final Shut-in <u>30</u>   | Straddle <u>✓</u> <u>250</u> °°        |
|                                  |      |        |      |     | <u>6</u>                  | Circ. Sub <u>    </u>                  |
|                                  |      |        |      |     | <u>9</u>                  | Sampler <u>    </u>                    |
|                                  |      |        |      |     |                           | Extra Packer <u>✓</u> <u>150</u> °°    |
|                                  |      |        |      |     |                           | Elec. Rec. <u>✓</u> <u>150</u> °°      |
|                                  |      |        |      |     |                           | Mileage <u>✓</u> <u>60</u> °°          |
|                                  |      |        |      |     |                           | Other <u>    </u>                      |
|                                  |      |        |      |     |                           | TOTAL PRICE \$ <u>✓</u> <u>1760</u> °° |

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Approved By [Signature]

Our Representative Gary P. Watson 69