

29-32-19w

Computer Inventories

KCC

CONFIDENTIAL

15-033-20976

RECEIVED  
STATE OF KANSAS COMMISSION

MAR 2

**Well Name:** Kerstetter 1-29  
**Company:** American Warrior Inc.  
**Location:** 29-32s-19w  
Comanche County Kansas  
**Date:** 10-30-98

MAR - 2 1999

CONSERVATION DIVISION  
Wichita, Kansas

CONFIDENTIAL

RELEASED

MAR 02 2000

FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior Inc. DATE 10-25-98  
 WELL NAME: Kerstetter 1-29 KB 1932.00 ft TICKET NO: 11561 DST #1  
 LOCATION : 29-32s-19w Comanche co Ks GR 1921.00 ft FORMATION: Viola  
 INTERVAL : 5738.00 To 5765.00 ft TD 5765.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

| Mins              | Field  | 1      | 2      | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|--------|-----|-----|------------------------|
| PF 30 Rec.        | 10248  | 10248  | 2342   |     |     | PF Fr. 1612 to 1642 hr |
| SI 30 Range(Psi ) | 4400.0 | 4400.0 | 4995.0 | 0.0 | 0.0 | IS Fr. 1642 to 1712 hr |
| SF 30 Clock(hrs)  | 12 hr  | 12 hr  | batt.  |     |     | SF Fr. 1712 to 1742 hr |
| FS 30 Depth(ft )  | 5762.0 | 5762.0 | 5743.0 | 0.0 | 0.0 | FS Fr. 1742 to 1812 hr |

|                | Field  | 1      | 2      | 3   | 4   |                               |
|----------------|--------|--------|--------|-----|-----|-------------------------------|
| A. Init Hydro  | 2790.0 | 2802.0 | 2849.0 | 0.0 | 0.0 | T STARTED 1310 hr             |
| B. First Flow  | 23.0   | 32.0   | 17.0   | 0.0 | 0.0 | T ON BOTM 1602 hr             |
| B1. Final Flow | 21.0   | 32.0   | 19.0   | 0.0 | 0.0 | T OPEN 1612 hr                |
| C. In Shut-in  | 368.0  | 440.0  | 363.0  | 0.0 | 0.0 | T PULLED 1813 hr              |
| D. Init Flow   | 23.0   | 32.0   | 15.0   | 0.0 | 0.0 | T OUT 2055 hr                 |
| E. Final Flow  | 23.0   | 32.0   | 17.0   | 0.0 | 0.0 |                               |
| F. Fl Shut-in  | 283.0  | 277.0  | 287.0  | 0.0 | 0.0 | TOOL DATA-----                |
| G. Final Hydro | 2757.0 | 2737.0 | 2732.0 | 0.0 | 0.0 | Tool Wt. 2100.00 lbs          |
| Inside/Outside | O      | O      | I      | T   |     | Wt Set On Packer 20000.00 lbs |
|                |        |        |        |     |     | Wt Pulled Loose 98000.00 lbs  |
|                |        |        |        |     |     | Initial Str Wt 77000.00 lbs   |
|                |        |        |        |     |     | Unseated Str Wt 78000.00 lbs  |
|                |        |        |        |     |     | Bot Choke 0.75 in             |
|                |        |        |        |     |     | Hole Size 7.88 in             |
|                |        |        |        |     |     | D Col. ID 2.25 in             |
|                |        |        |        |     |     | D. Pipe ID 3.80 in            |
|                |        |        |        |     |     | D.C. Length 240.00 ft         |
|                |        |        |        |     |     | D.P. Length 5484.00 ft        |

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP  
 250.00 ft of Gas in pipe.  
 30.00 ft of Drilling mud  
 0.00 ft of  
 0.00 ft of Rw n.c. ohms @ degrees F.  
 0.00 ft of EST.FT. of PAY-----8  
 SALINITY 4500.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

| Mud Type   | Chemical  |
|------------|-----------|
| Weight     | 9.20 lb/c |
| Vis.       | 47.00 S/L |
| W.L.       | 10.00 in3 |
| F.C.       | 0.20 in   |
| Mud Drop N |           |

BLOW DESCRIPTION

Initial Flow:  
 Fair blow slow increase to 8"  
 Initial Shut-in:  
 No blow  
 Final Flow:  
 Fair to strong blow bottom of  
 bucket in 17 mins.  
 Final Shut-in:  
 No blow

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|                |                |
|----------------|----------------|
| Amt. of fill   | 0.00 ft        |
| Btm. H. Temp.  | 124.00 F       |
| Hole Condition | Good           |
| % Porosity     | 10.00          |
| Packer Size    | 6.75 in        |
| No. of Packers | 2              |
| Cushion Amt.   | 0.00 N         |
| Cushion Type   | None           |
| Reversed Out N |                |
| Tool Chased N  |                |
| Tester         | Gary Pevoteaux |
| Co. Rep.       | Allen Downing  |
| Contr.         | Duke Drlg.     |
| Rig #          | 5              |
| Unit #         |                |
| Pump T.        | LCM 5#/bl      |

SAMPLES: none  
 SENT TO: Caraway/Liberal

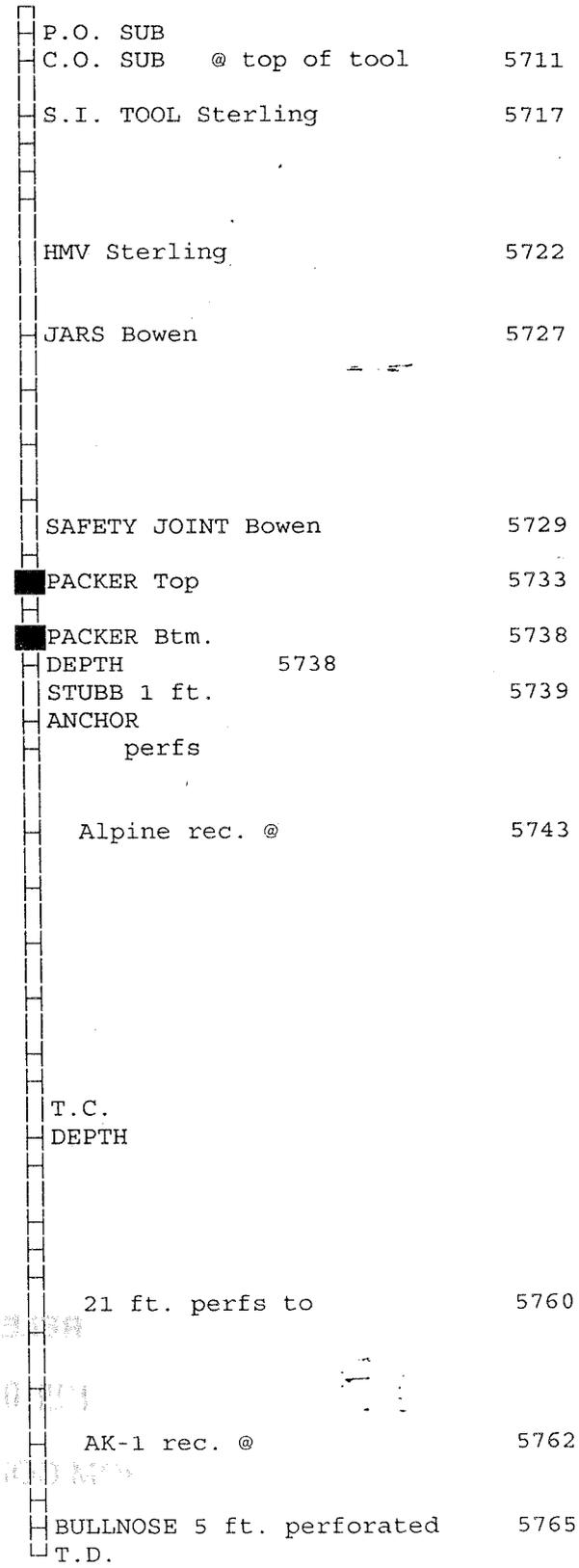
Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Kerstetter 1-29  
 LOCATION : Sec.29 Twp.32s Rg.19w Ks  
 TICKET No. 11561 D.S.T. No. 1 DATE 10-25-98  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 27  
 TOTAL TOOL ..... 54  
 DRILL COLLAR ANCHOR IN INTERVAL .....  
 D.C. ANCHOR STND.Stands Single Total  
 D.P. ANCHOR STND.Stands Single Total  
 TOTAL ASSEMBLY ..... 54  
 D.C. ABOVE TOOLS.Stands 4 Single Total 240  
 D.P. ABOVE TOOLS.Stands88 Single Total 5484  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5778  
 TOTAL DEPTH ..... 5765  
 TOTAL DRILL PIPE ABOVE K.B. .... 13

REMARKS:  
 Comments:

FLUID SAMPLER DATA (not run)  
 GAS----- cubic ft  
 OIL----- ML.  
 MUD----- ML.  
 WATER----- ML.  
 OTHER-----  
 PRESSURE----- PSI  
 Rw ----- ohms @ deg. F.  
 CHLORIDES----- ppm.  
 GRAVITY----- deg.API



0000000000  
 0000000000  
 0000000000

# TEST HISTORY

11561 DST#1 KERSTETTER 1-29 AMERICAN WARRIOR INC.

## Flag Points

t (Min.) P (PSIg)

|    |       |         |
|----|-------|---------|
| A: | 0.00  | 2848.67 |
| B: | 0.00  | 16.78   |
| C: | 29.50 | 18.88   |
| D: | 29.50 | 362.98  |
| E: | 0.00  | 15.18   |
| F: | 29.00 | 17.36   |
| G: | 32.00 | 286.77  |
| H: | 0.00  | 2732.18 |

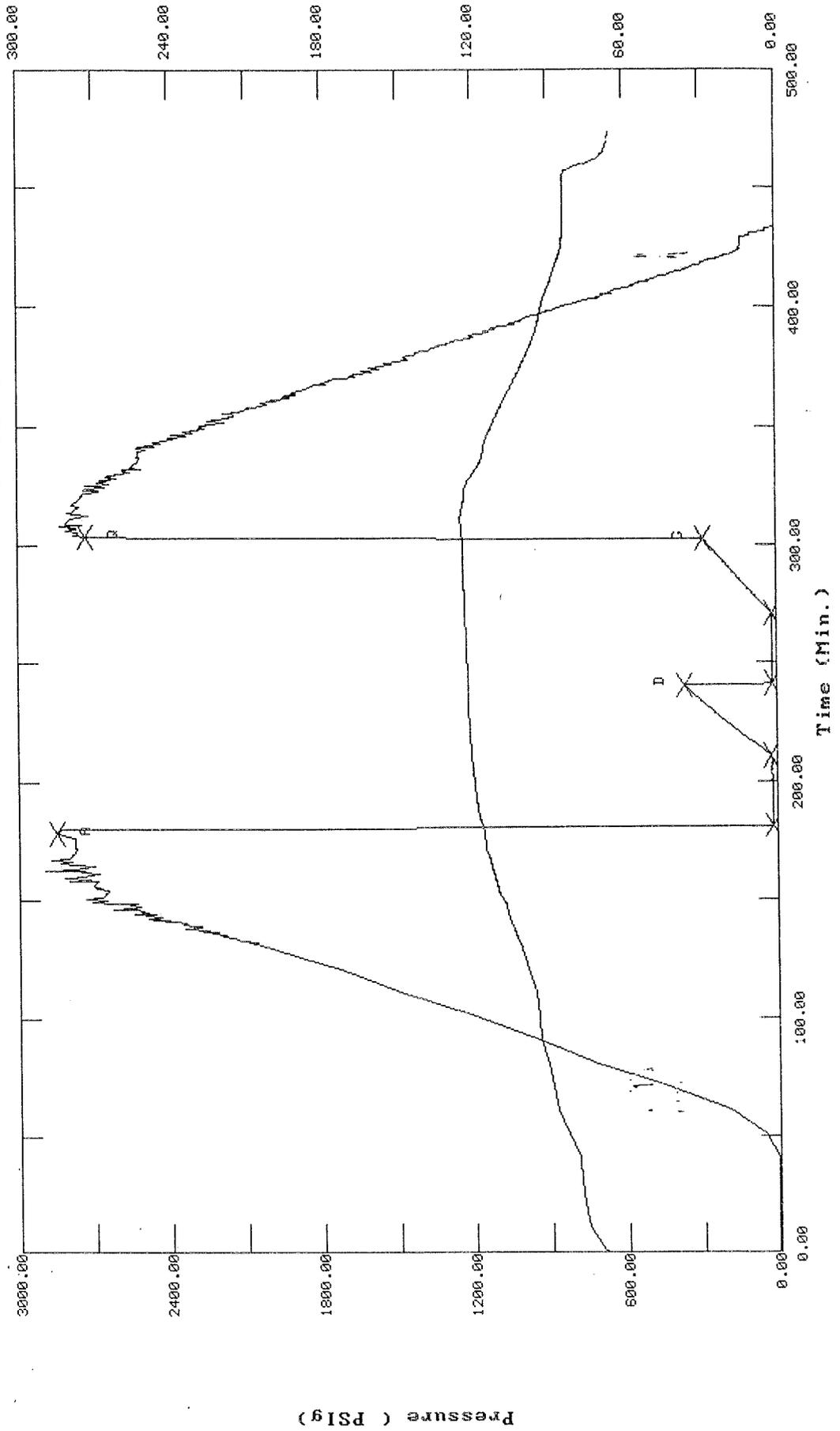
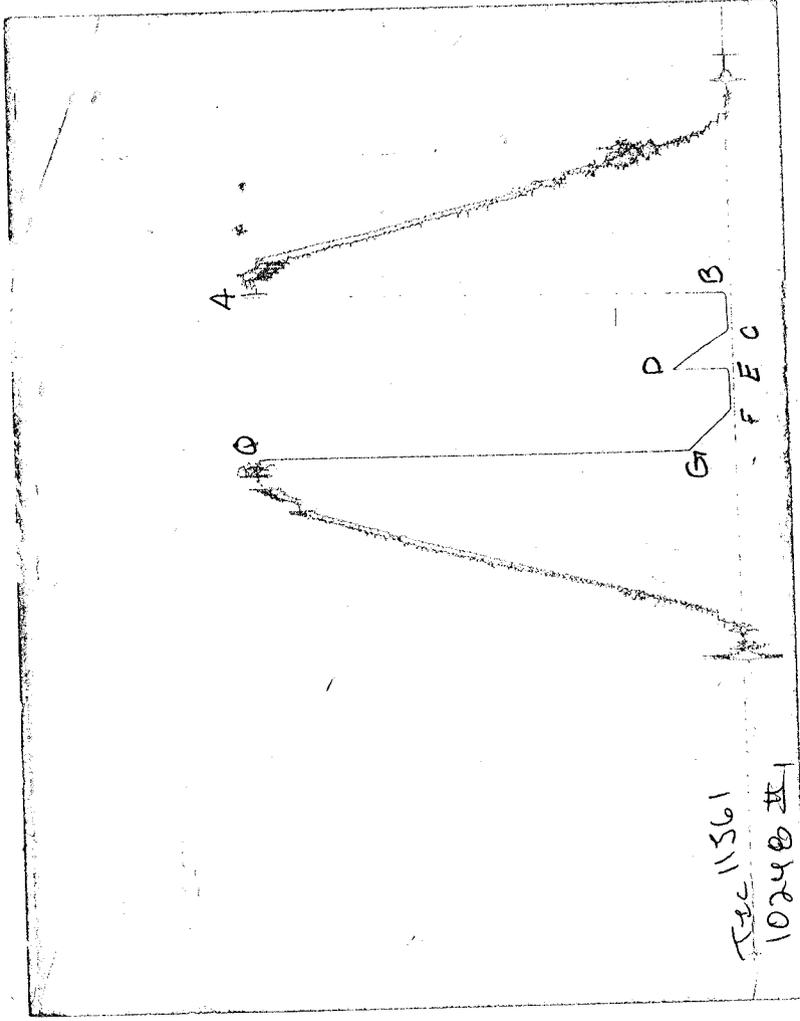


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 11561

|  |                                    |   |
|--|------------------------------------|---|
| Well Name & No. <u>KERSTETTER 1-29</u>                 | Test No. <u>1</u>                  | Date <u>10-25-98</u>  |
| Company <u>AMERICAN WARRIOR INC.</u>                   | Zone Tested <u>NEOLA</u>           |   |
| Address <u>PO. Box 399, Garden City KS. 67824-0399</u> |                                    | Elevation <u>1932</u> KB <u>1921</u> GL                         |
| Co. Rep / Geo. <u>AL DOWNING.</u>                      | Cont. <u>DUKE DRUG #5</u>          | Est. Ft. of Pay <u>8</u> Por. <u>10</u> %                       |
| Location: Sec. <u>29</u>                               | Twp. <u>32<sup>S</sup></u>         | Rge. <u>19<sup>W</sup></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>5738 - 5765'</u>                              | Initial Str Wt./Lbs. <u>77,000</u>                     | Unseated Str Wt./Lbs. <u>78,000</u>                      |
| Anchor Length <u>27'</u>   | Wt. Set Lbs. <u>30,000</u>                             | Wt. Pulled Loose/Lbs. <u>98,000</u>                      |
| Top Packer Depth <u>5733'</u>                                    | Tool Weight <u>2100 #</u>                              |  |
| Bottom Packer Depth <u>5738'</u>                                 | Hole Size — 7 7/8" <input checked="" type="checkbox"/> | Rubber Size — 6 3/4" <input checked="" type="checkbox"/> |
| Total Depth <u>5765'</u>   | Wt. Pipe Run <u>None</u>                               | Drill Collar Run <u>240'</u>                             |
| Mud Wt. <u>9.2</u> LCM <u>5#</u> Vis. <u>47</u> WL <u>10,000</u> | Drill Pipe Size <u>4 1/2" X.H.</u>                     | Ft. Run <u>5484'</u>                                     |
| Blow Description <u>IF: Fair below - blow increase to 8".</u>    |  |  |
| <u>ISI: No blow.</u>   |  |  |
| <u>FF: Fair to strong below - Bltn. of bucket in 17 mins.</u>    |  |  |
| <u>FSI: No blow.</u>   |  |  |

|  |                      |                      |                    |      |
|--|----------------------|----------------------|--------------------|------|
| Recovery — Total Feet <u>30'</u>         | Fluid GIP <u>250</u> | Ft. in DC <u>30'</u> | Ft. in DP <u>—</u> |      |
| Rec. <u>30'</u> Feet Of <u>Dry. Mud.</u> | %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 |
| Rec. _____ Feet Of _____                 | %gas                 | %oil                 | %water             | %mud |

BHT 124 °F Gravity N/A °API D@ — °F Corrected Gravity N/A °API  
 RW N.C. @ — °F Chlorides 4,500 ppm Recovery Chlorides 4,500 ppm System

|                                  | AK-1        | Alpine      | PSI        | Recorder No.              | T-On Location   |
|----------------------------------|-------------|-------------|------------|---------------------------|---|
| (A) Initial Hydrostatic Mud      | <u>2790</u> | <u>2849</u> | <u>alp</u> | <u>2342</u>               | <u>1215</u>   |
| (B) First Initial Flow Pressure  | <u>23</u>   | <u>17</u>   | PSI        | (depth) <u>5743'</u>      | T-Started <u>1310</u>   |
| (C) First Final Flow Pressure    | <u>21</u>   | <u>19</u>   | PSI        | Recorder No. <u>10248</u> | T-Open <u>1612</u>  |
| (D) Initial Shut-In Pressure     | <u>368</u>  | <u>363</u>  | PSI        | (depth) <u>5762'</u>      | T-Pulled <u>1813</u>  |
| (E) Second Initial Flow Pressure | <u>23</u>   | <u>15</u>   | PSI        | Recorder No. <u>—</u>     | T-Out <u>2055</u>   |
| (F) Second Final Flow Pressure   | <u>23</u>   | <u>17</u>   | PSI        | (depth) <u>—</u>          | T-Off Location <u>2130</u>  |
| (G) Final Shut-in Pressure       | <u>283</u>  | <u>287</u>  | PSI        | Initial Opening <u>30</u> | Test <input checked="" type="checkbox"/> <u>800</u>                         |
| (Q) Final Hydrostatic Mud        | <u>2757</u> | <u>2732</u> | PSI        | Initial Shut-in <u>30</u> | Jars <input checked="" type="checkbox"/> <u>200</u>                         |
|                                  |             |             |            | Final Flow <u>30</u>      | Safety Joint <input checked="" type="checkbox"/> <u>50</u>                  |
|                                  |             |             |            | Final Shut-in <u>30</u>   | Straddle _____  |
|                                  |             |             |            | <u>4</u>                  | Circ. Sub _____   |
|                                  |             |             |            |                           | Sampler _____   |
|                                  |             |             |            |                           | Extra Packer _____  |
|                                  |             |             |            |                           | Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>                   |
|                                  |             |             |            |                           | Mileage _____   |
|                                  |             |             |            |                           | Other _____   |
|                                  |             |             |            |                           | TOTAL PRICE \$ <input checked="" type="checkbox"/> <u>1200<sup>00</sup></u> |

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 Al Downing  
 Our Representative Al Downing

Extra Packer \_\_\_\_\_  
 Elec. Rec.  150  
 Mileage \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$  1200<sup>00</sup>

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior Inc.

DATE 10-26-98

WELL NAME: Kerstetter 1-29

KB 1932.00 ft

TICKET NO: 11562

DST #2

LOCATION : 29-32s-19w Comanche co KS

GR 1921.00 ft

FORMATION: Viola

INTERVAL : 5765.00 To 5826.00 ft

TD 5826.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

| Mins              | Field  | 1      | 2      | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|--------|-----|-----|------------------------|
| PF 15 Rec.        | 10248  | 10248  | 2342   |     |     | PF Fr. 1233 to 1248 hr |
| SI 45 Range(Psi ) | 4400.0 | 4400.0 | 4995.0 | 0.0 | 0.0 | IS Fr. 1248 to 1333 hr |
| SF 30 Clock(hrs)  | 12 hr  | 12 hr  | batt.  |     |     | SF Fr. 1333 to 1403 hr |
| FS 45 Depth(ft )  | 5823.0 | 5823.0 | 5770.0 | 0.0 | 0.0 | FS Fr. 1403 to 1448 hr |

|                | Field  | 1      | 2      | 3   | 4   |                               |
|----------------|--------|--------|--------|-----|-----|-------------------------------|
| A. Init Hydro  | 2900.0 | 2949.0 | 2867.0 | 0.0 | 0.0 | T STARTED 0932 hr             |
| B. First Flow  | 2023.0 | 2036.0 | 2012.0 | 0.0 | 0.0 | T ON BOTM 1226 hr             |
| B1. Final Flow | 2063.0 | 2069.0 | 2045.0 | 0.0 | 0.0 | T OPEN 1233 hr                |
| C. In Shut-in  | 2155.0 | 2164.0 | 2148.0 | 0.0 | 0.0 | T PULLED 1450 hr              |
| D. Init Flow   | 2019.0 | 2021.0 | 1981.0 | 0.0 | 0.0 | T OUT 1745 hr                 |
| E. Final Flow  | 2041.0 | 2057.0 | 2032.0 | 0.0 | 0.0 |                               |
| F. Fl Shut-in  | 2151.0 | 2158.0 | 2143.0 | 0.0 | 0.0 | TOOL DATA-----                |
| G. Final Hydro | 2878.0 | 2869.0 | 2833.0 | 0.0 | 0.0 | Tool Wt. 2100.00 lbs          |
| Inside/Outside | O      | O      | I      | T   |     | Wt Set On Packer 20000.00 lbs |
|                |        |        |        |     |     | Wt Pulled Loose 86000.00 lbs  |
|                |        |        |        |     |     | Initial Str Wt 78000.00 lbs   |
|                |        |        |        |     |     | Unseated Str Wt 79000.00 lbs  |
|                |        |        |        |     |     | Bot Choke 0.75 in             |
|                |        |        |        |     |     | Hole Size 7.88 in             |
|                |        |        |        |     |     | D Col. ID 2.25 in             |
|                |        |        |        |     |     | D. Pipe ID 3.80 in            |
|                |        |        |        |     |     | D.C. Length 240.00 ft         |
|                |        |        |        |     |     | D.P. Length 5518.00 ft        |

RECOVERY

Tot Fluid 25.00 ft of 25.00 ft in DC and 0.00 ft in DP  
 0.00 ft of Gas in all fluid free pipe.  
 10.00 ft of Condensate  
 15.00 ft of Drilling mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of Rw n.c. ohms @ degrees F.  
 0.00 ft of EST.FT. of PAY-----14

SALINITY 5000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type Chemical  
 Weight 9.20 lb/cf  
 Vis. 46.00 S/L  
 W.L. 10.00 in3  
 F.C. 0.20 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp: 134.00 F  
 Hole Condition: Good  
 % Porosity 20.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 N  
 Cushion Type None  
 Reversed Out N  
 Tool Chased N  
 Tester Gary Pevoteaux  
 Co. Rep. Allen Downing  
 Contr. Duke Drlg.  
 Rig # 5  
 Unit #  
 Pump T. LCM 8#/bl

BLOW DESCRIPTION

Initial Flow:  
 Strong blow gas to surface in 1 min.  
 (see gas volume report)  
 Initial Shut-in:  
 Strong blow.  
 Final Flow:  
 Strong blow (see gas volume report)  
 Final Shut-in:  
 Strong blow

SAMPLES: Gas sample  
 SENT TO: Caraway/Liberal

Test Successful: Y

GAS RECOVERY

-----

COMPANY: American Warrior Inc.

DATE: 10-26-98

WELL NAME: Kerstetter 1-29

KB Elev: 1932.00 ft TICKET #11562 DST #2

WELL LOCATION: Sec.29 Twp.32s Rg.19w Ks GR Elev: 1921.00 ft FORMATION: Viola

INTERVAL Fr.: 5765.00 To 5826.00 T.D.: 5826.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adjusting Choke

\*\*\*\*\* GAS RATES FOR FLOW #1

| Time<br>(min) | Orifice<br>(in) | Pressure<br>(Psi) | H2O<br>(in) | Rate<br>(cf/d) |
|---------------|-----------------|-------------------|-------------|----------------|
| 10            | 0.75            | 530               | 0           | 7596000.0      |
| 15            | 0.75            | 610               | 0           | 8712000.0      |

\*\*\*\*\* GAS RATES FOR FLOW #2

| Time<br>(min) | Orifice<br>(in) | Pressure<br>(Psi) | H2O<br>(in) | Rate<br>(cf/d) |
|---------------|-----------------|-------------------|-------------|----------------|
| 10            | 0.75            | 650               | 0           | 9270000.0      |
| 20            | 0.75            | 740               | 0           | 10525000.0     |
| 30            | 0.75            | 745               | 0           | 10595000.0     |

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Kerstetter 1-29  
 LOCATION : Sec.29 Twp.32s Rg.19w Ks  
 TICKET No. 11562 D.S.T. No. 2 DATE 10-26-98  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 30  
 TOTAL TOOL ..... 57  
 DRILL COLLAR ANCHOR IN INTERVAL .....  
 D.C. ANCHOR STND.Stands Single Total  
 D.P. ANCHOR STND.Stands 1 Single Total 31  
 TOTAL ASSEMBLY ..... 88  
 D.C. ABOVE TOOLS.Stands 4 Single Total 240  
 D.P. ABOVE TOOLS.Stands88 Single 1 Total 5518  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5846  
 TOTAL DEPTH ..... 5826  
 TOTAL DRILL PIPE ABOVE K.B. .... 20

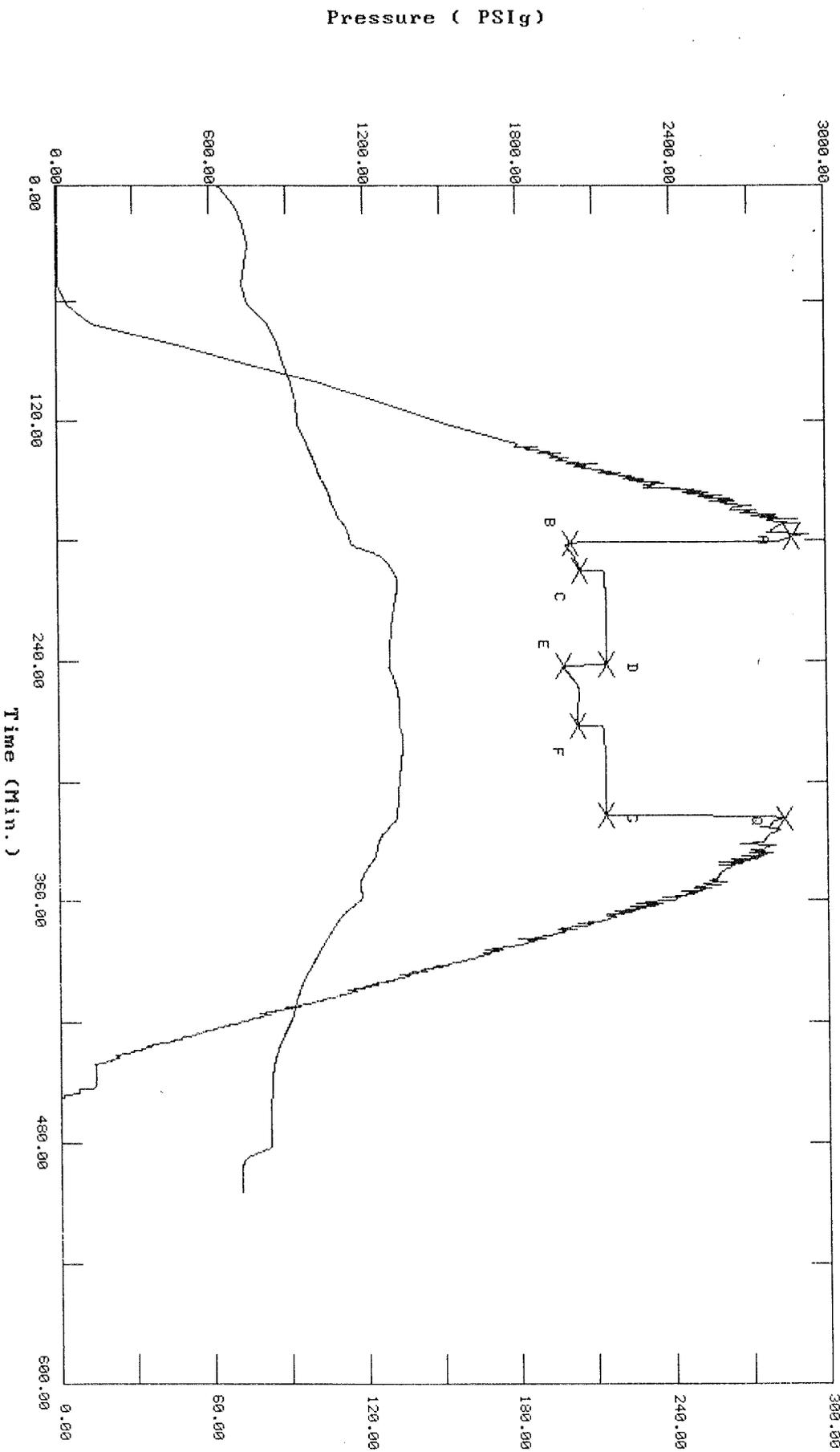
REMARKS:  
 Comments:

FLUID SAMPLER DATA (not run)

GAS----- cubic ft  
 OIL----- ML.  
 MUD----- ML.  
 WATER----- ML.  
 OTHER-----  
 PRESSURE----- PSI  
 Rw ----- ohms @ deg. F.  
 CHLORIDES----- ppm.  
 GRAVITY----- deg.API

P.O. SUB  
 C.O. SUB @ top of tool 5738  
 S.I. TOOL Sterling 5744  
 HMV Sterling 5749  
 JARS Bowen 5754  
 SAFETY JOINT Bowen 5756  
 PACKER Top 5760  
 PACKER Btm. 5765  
 DEPTH 5765  
 STUBB 1 ft. 5766  
 ANCHOR  
 perfs  
 Alpine rec. @ 5770  
 24' perfs & sub to 5790  
 T.C.  
 DEPTH  
 31 ft. pipe & sub  
 to 5821  
 AK-1 rec. @ 5823  
 BULLNOSE 5 ft. perforated 5826  
 T.D.

TEST HISTORY  
 11562 DST#2 KERSTETTER 1-29 AMERICAN WARRIOR INC.

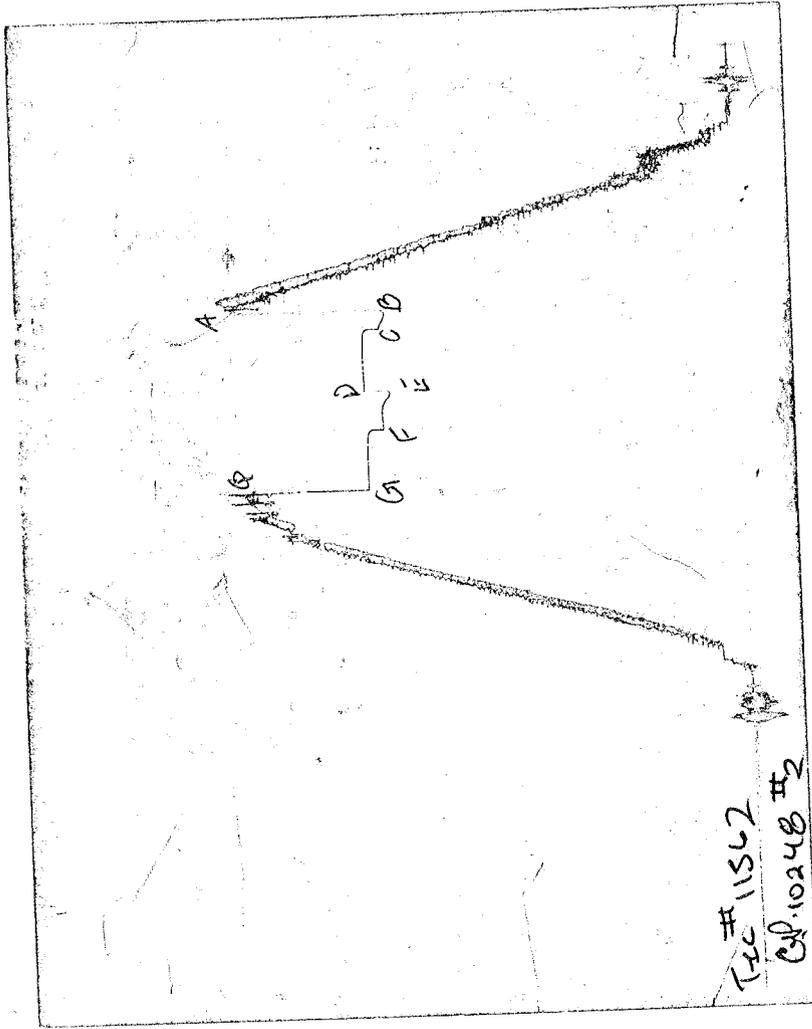


Flag Points

| t(min.)  | P( PSIg) |
|----------|----------|
| A: 0.00  | 2866.88  |
| B: 0.00  | 2011.83  |
| C: 13.50 | 2045.06  |
| D: 47.00 | 2147.84  |
| E: 0.00  | 1981.44  |
| F: 29.50 | 2031.97  |
| G: 45.00 | 2143.23  |
| H: 0.00  | 2832.81  |

Temperature (DEG F)

CHART PAGE



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



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 11562

|   |                                    |  |
|---|------------------------------------|--|
| Well Name & No. <u>KERSTETTER 1-29</u>                  | Test No. <u>2</u>                  | Date <u>10-26-98</u>                                 |
| Company <u>AMERICAN WARRIOR INC.</u>                    | Zone Tested <u>VIOLA</u>           |  |
| Address <u>P.O. Box 399, GARDEN CITY KS. 67824-0399</u> | Elevation <u>1432</u> KB           | <u>1921</u> GL                                       |
| Co. Rep / Geo. <u>AL DOWNING</u>                        | Cont. <u>DUKE DRUGS #5</u>         | Est. Ft. of Pay <u>14</u> Por. <u>20</u> %           |
| Location: Sec. <u>29</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>5765 - 5826'</u>  | Initial Str Wt./Lbs. <u>78,000</u>                     | Unseated Str Wt./Lbs. <u>79,000</u>                      |
| Anchor Length <u>61'</u>   | Wt. Set Lbs. <u>20,000</u>                             | Wt. Pulled Loose/Lbs. <u>86,000</u>                      |
| Top Packer Depth <u>5760'</u>  | Tool Weight <u>2100#</u>                               |  |
| Bottom Packer Depth <u>5765'</u>   | Hole Size — 7 7/8" <input checked="" type="checkbox"/> | Rubber Size — 6 3/4" <input checked="" type="checkbox"/> |
| Total Depth <u>5826'</u>   | Wt. Pipe Run <u>NONE</u>                               | Drill Collar Run <u>240'</u>                             |
| Mud Wt. <u>9.2</u> LCM <u>8#</u> Vis. <u>46</u> WL <u>10.0cc.</u>                                  | Drill Pipe Size <u>4 1/2" XH.</u>                      | Ft. Run <u>5518'</u>                                     |
| Blow Description <u>IF: Strong below. GTS in 1 min. (see gas volume report) ISI: Strong below.</u> |  |  |
| <u>FF: Strong below. (see gas volume report) FSI: Strong below</u>                                 |  |  |

| Recovery — Total Feet | Fluid                     | GIP        | Ft. in DC  | Ft. in DP | %gas | %oil | %water | %mud |
|-----------------------|---------------------------|------------|------------|-----------|------|------|--------|------|
| <u>25'</u>            | <u>Fluid</u>              | <u>yes</u> | <u>25'</u> | <u>~</u>  |      |      |        |      |
| Rec. <u>10</u>        | Feet Of <u>Condensate</u> |            |            |           |      |      |        |      |
| Rec. <u>15</u>        | Feet Of <u>Dreg. Mud</u>  |            |            |           |      |      |        |      |
| Rec. _____            | Feet Of _____             |            |            |           |      |      |        |      |
| Rec. _____            | Feet Of _____             |            |            |           |      |      |        |      |

BHT 134 °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      | Recorder No.              | T-On Location  |
|----------------------------------|-------------|-------------|---------------------------|--|
| (A) Initial Hydrostatic Mud      | <u>2900</u> | <u>2867</u> | <u>alp 2342</u>           | <u>0907</u>  |
| (B) First Initial Flow Pressure  | <u>2023</u> | <u>2012</u> | (depth) <u>5770'</u>      | T-Started <u>0932</u>  |
| (C) First Final Flow Pressure    | <u>2063</u> | <u>2045</u> | Recorder No. <u>10248</u> | T-Open <u>1233</u>   |
| (D) Initial Shut-In Pressure     | <u>2155</u> | <u>2148</u> | (depth) <u>5823'</u>      | T-Pulled <u>1450</u>   |
| (E) Second Initial Flow Pressure | <u>2019</u> | <u>1981</u> | Recorder No. <u>~</u>     | T-Out <u>1745</u>  |
| (F) Second Final Flow Pressure   | <u>2041</u> | <u>2032</u> | (depth) <u>~</u>          | T-Off Location <u>1815</u>   |
| (G) Final Shut-in Pressure       | <u>2151</u> | <u>2143</u> | Initial Opening <u>15</u> | Test <input checked="" type="checkbox"/> <u>800</u>                          |
| (Q) Final Hydrostatic Mud        | <u>2878</u> | <u>2833</u> | Initial Shut-in <u>45</u> | Jars <input checked="" type="checkbox"/> <u>200</u>                          |
|                                  |             |             | Final Flow <u>30</u>      | Safety Joint <input checked="" type="checkbox"/> <u>50</u>                   |
|                                  |             |             | Final Shut-in <u>45</u>   | Straddle _____   |
|                                  |             |             | <u>4</u>                  | Circ. Sub _____  |
|                                  |             |             |                           | Sampler _____  |
|                                  |             |             |                           | Extra Packer _____   |
|                                  |             |             |                           | Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>                    |
|                                  |             |             |                           | Mileage _____  |
|                                  |             |             |                           | Other _____  |
|                                  |             |             |                           | TOTAL PRICE \$ <input checked="" type="checkbox"/> <u>1200</u> <sup>ex</sup> |

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 Al Downing  
 Our Representative Cory Johnson

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior Inc.

DATE 10-28-98

WELL NAME: Kerstetter 1-29

KB 1932.00 ft TICKET NO: 11563 DST #3

LOCATION : 29-32s-19w Comanche co KS

GR 1921.00 ft FORMATION: Arbuckle

INTERVAL : 6086.00 To 6100.00 ft

TD 6198.00 ft TEST TYPE: CONV/STRADDLE

RECORDER DATA

| Mins |               | Field  | 1      | 2      | 3      | 4   | TIME DATA----- |
|------|---------------|--------|--------|--------|--------|-----|----------------|
| PF   | 0 Rec.        | 13788  | 13788  | 2342   | 13789  |     | PF Fr. to hr   |
| SI   | 0 Range(Psi ) | 4650.0 | 4650.0 | 4995.0 | 4650.0 | 0.0 | IS Fr. to hr   |
| SF   | 0 Clock(hrs)  | 12 hr  | 12 hr  | batt.  | 12     |     | SF Fr. to hr   |
| FS   | 0 Depth(ft )  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0 | FS Fr. to hr   |

|                | Field | 1   | 2   | 3   | 4   |                               |
|----------------|-------|-----|-----|-----|-----|-------------------------------|
| A. Init Hydro  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T STARTED 1548 hr             |
| B. First Flow  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T ON BOTM hr                  |
| B1. Final Flow | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T OPEN hr                     |
| C. In Shut-in  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T PULLED 1710 hr              |
| D. Init Flow   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T OUT 1845 hr                 |
| E. Final Flow  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |                               |
| F. Fl Shut-in  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | TOOL DATA-----                |
| G. Final Hydro | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | Tool Wt. 2100.00 lbs          |
| Inside/Outside | 0     | 0   | I   | T   |     | Wt Set On Packer 28000.00 lbs |
|                |       |     |     |     |     | Wt Pulled Loose 98000.00 lbs  |
|                |       |     |     |     |     | Initial Str Wt 28000.00 lbs   |
|                |       |     |     |     |     | Unseated Str Wt 28000.00 lbs  |
|                |       |     |     |     |     | Bot Choke 0.75 in             |
|                |       |     |     |     |     | Hole Size 7.88 in             |
|                |       |     |     |     |     | D Col. ID 2.25 in             |
|                |       |     |     |     |     | D. Pipe ID 3.80 in            |
|                |       |     |     |     |     | D.C. Length 240.00 ft         |
|                |       |     |     |     |     | D.P. Length 810.00 ft         |

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP  
 0.00 ft of  
 0.00 ft of EST.FT. of PAY-----6

SALINITY 5000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type Chemical  
 Weight 9.20 lb/cf  
 Vis. 48.00 S/L  
 W.L. 10.80 in3  
 F.C. 0.20 in  
 Mud Drop N

BLOW DESCRIPTION

IF:None

ISI:

FF:

FSI:

Amt. of fill 0.00 ft  
 Btm. H. Temp: 86.00 F  
 Hole Condition: Poor  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 3  
 Cushion Amt. 0.00 N  
 Cushion Type None  
 Reversed Out N  
 Tool Chased N  
 Tester Gary Pevoteaux  
 Co. Rep. Allen Downing  
 Contr. Duke Drlg.  
 Rig # 5  
 Unit #  
 Pump T. LCM 8#/bl

SAMPLES: None

SENT TO:Caraway/Liberal

Test Successful: N

\*\*\* TOOL DIAGRAM \*\*\* CONV/STRADDLE

WELL NAME: Kerstetter 1-29

LOCATION : 29-32s-19w Comanche co KS

TICKET No. 11563 D.S.T. No. 3 DATE 10-28-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 27

TOTAL TOOL ..... 54

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 93

TOTAL ASSEMBLY ..... 147

D.C. ABOVE TOOLS.Stands 4 Single Total 240

D.P. ABOVE TOOLS.Stands13 Single 1 Total 810

TOTAL DRILL COLLARS DRILL PIPE & TOOLS ..

TOTAL DEPTH .....

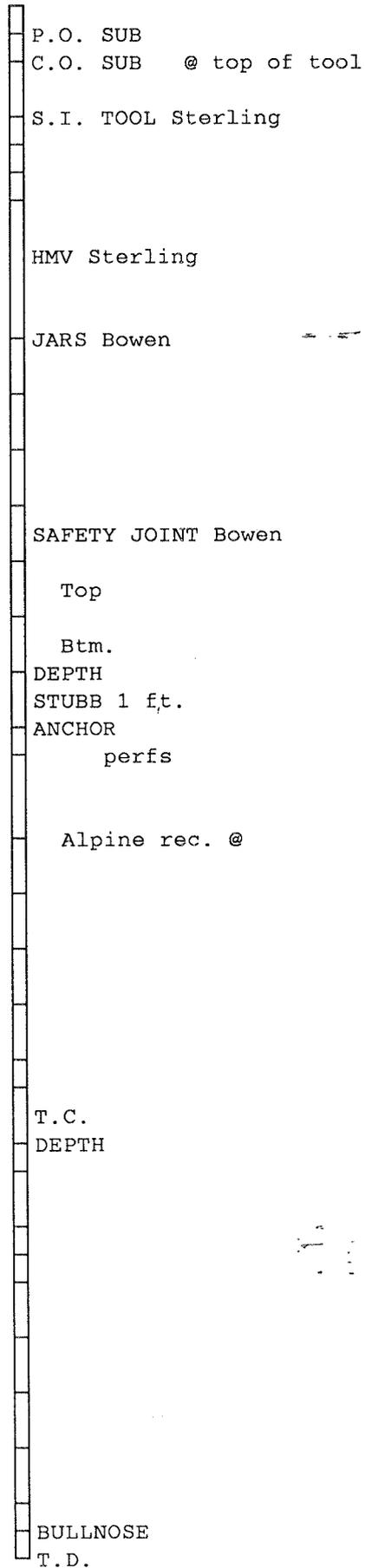
TOTAL DRILL PIPE ABOVE K.B. ....

REMARKS:

Comments:Hit a solid bridge @ approx. 1000'.  
 Could not go through nor pull back out at  
 this point. Set jars hard several times to  
 get pulled free. Aborted test. Misrun!

FLUID SAMPLER DATA (not run)

|                |        |          |
|----------------|--------|----------|
| GAS-----       |        | cubic ft |
| OIL-----       |        | ML.      |
| MUD-----       |        | ML.      |
| WATER-----     |        | ML.      |
| OTHER-----     |        |          |
| PRESSURE-----  |        | PSI      |
| Rw -----       | ohms @ | deg. F.  |
| CHLORIDES----- |        | ppm.     |
| GRAVITY-----   |        | deg.API  |



**TEST HISTORY**  
11563 DST#3 KERSTETTER 1-29 AMERICAN WARRIOR INC.

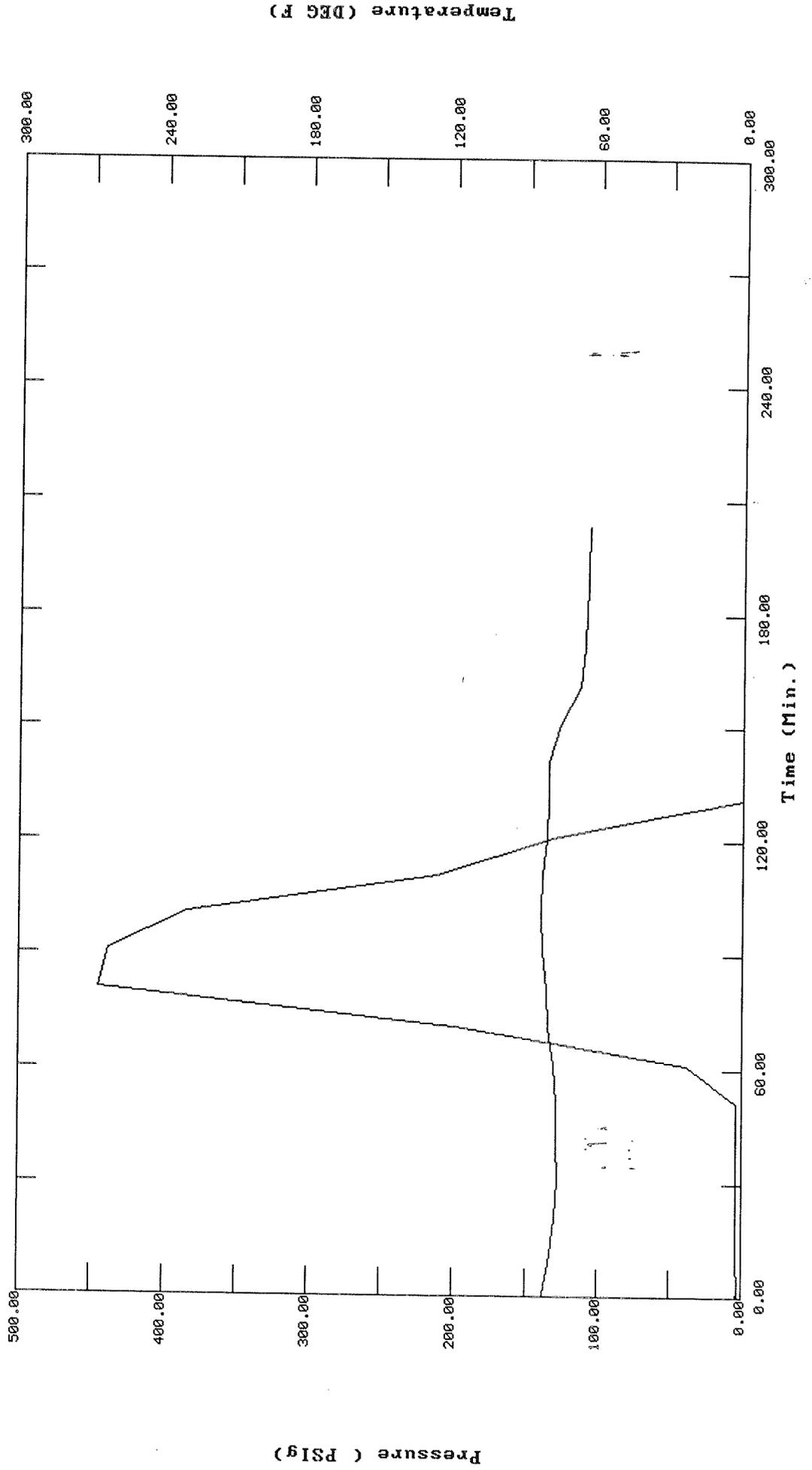
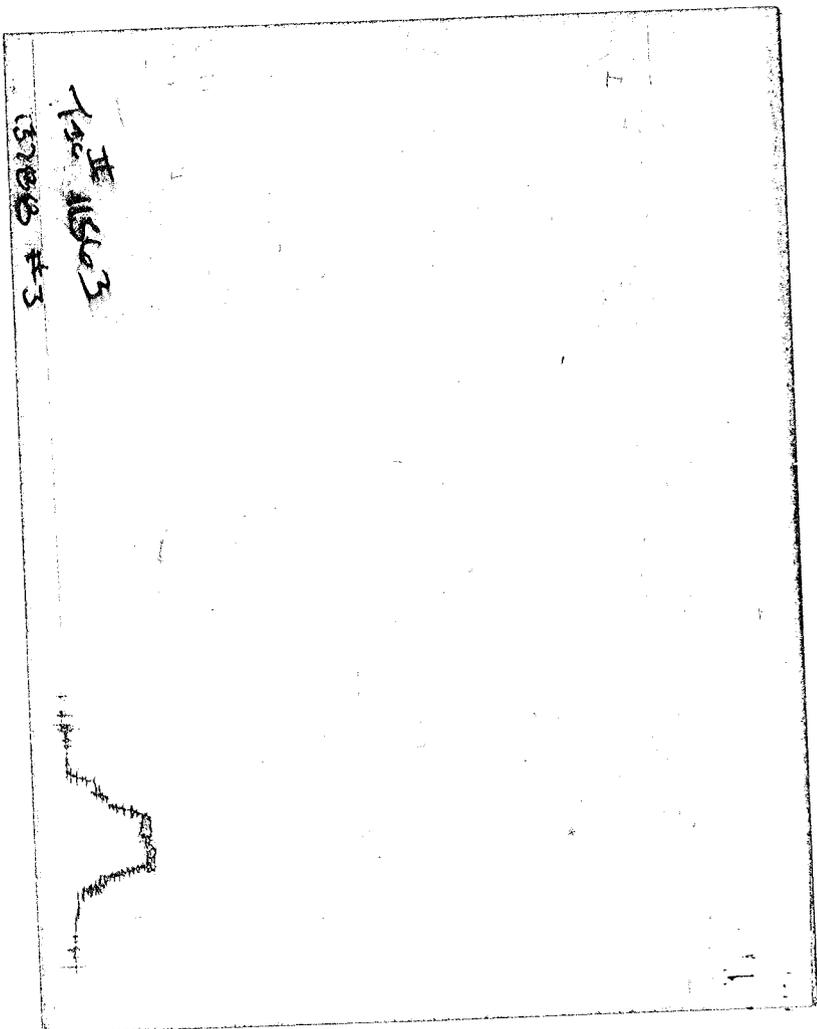
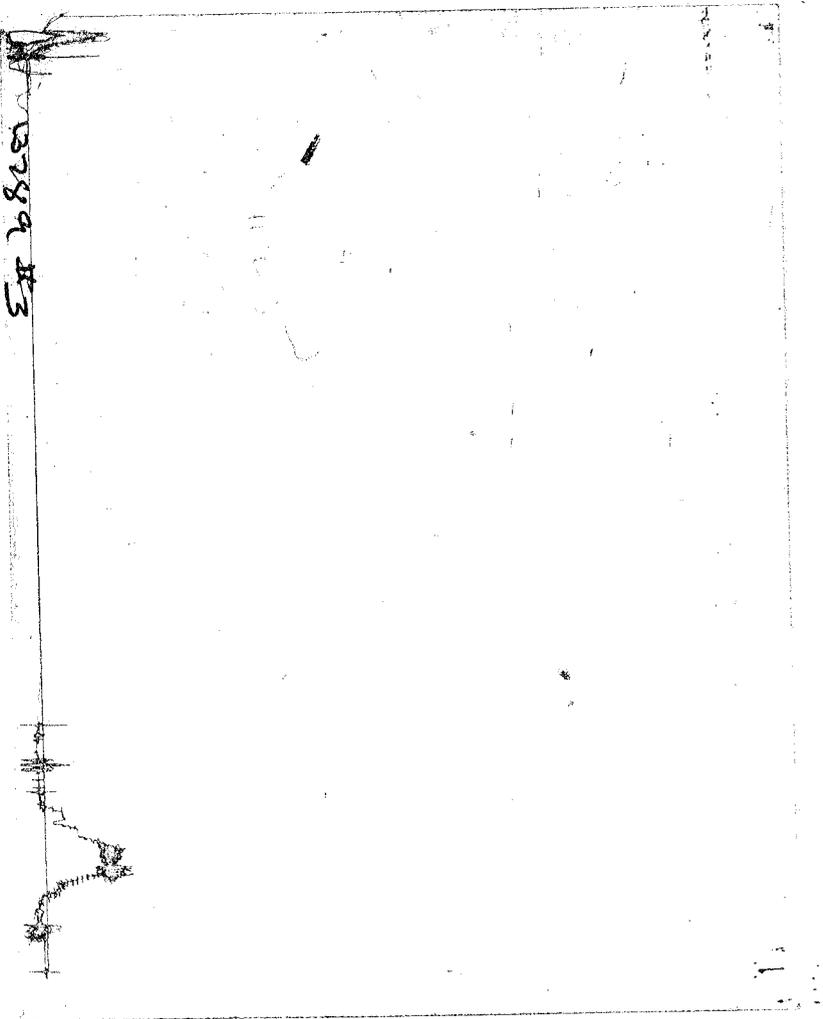


CHART PAGE



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 L.L.C.

23098

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 11563

Well Name & No. KURSTETER 1-29 Test No. 3 Date 1-28-98  
 Company AMERICAN WARRIOR INC. Zone Tested ARBuckle  
 Address GARDEN CITY KS, 67824-0399 Elevation 1932 KB 1921 GL  
 Co. Rep / Geo. AL DAWNING Cont. DUKE DUG # 5 Est. Ft. of Pay 6 Por. ? %  
 Location: Sec. 29 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 6086 - 6100' Initial Str Wt./Lbs. 28,000 Unseated Str Wt./Lbs. 28,000  
 Anchor Length 14' Wt. Set Lbs. 28,000 Wt. Pulled Loose/Lbs. 98,000  
 Top Packer Depth 6081' & 6086' Tool Weight 2100#  
 Bottom Packer Depth 6100' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓  
 Total Depth 6198' Wt. Pipe Run - Drill Collar Run 240'  
 Mud Wt. 9.2 LCM 8# Vis. 48 WL 10.8cc. Drill Pipe Size 4 1/2" x .4 Ft. Run APPROX 810'  
 Blow Description COMMENT: HIT A SOLID BRIDGE @ APPROX 1000' -  
COULD NOT GO THROUGH NOR PULL BACK OUT AT THIS POINT.  
SET JARS HARD SEVERAL TIMES TO GET PULLED FREE.  
DECISION WAS MADE TO ABORT FURTHER TESTING!

| Recovery — Total Feet    | GIP | Ft. in DC             | Ft. in DP               |
|--------------------------|-----|-----------------------|-------------------------|
| 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 _____ |
| Rec. _____ Feet Of _____ |     | %gas _____ %oil _____ | %water _____ %mud _____ |

BHT N/A °F Gravity - °API D@ N/A °F Corrected Gravity N/A °API  
 RW N.C. @ - °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 5,000 ppm System

|                                  | AK-1 | Alpine | PSI Recorder No.          | T-On Location                              |
|----------------------------------|------|--------|---------------------------|--|
| (A) Initial Hydrostatic Mud      |      |        | <u>2342</u>               | <u>1500</u>                                |
| (B) First Initial Flow Pressure  |      |        | <u>N/A</u>                | <u>1548</u>                                |
| (C) First Final Flow Pressure    |      |        | <u>13788</u>              | <u>-</u>                                   |
| (D) Initial Shut-In Pressure     |      |        | <u>N/A</u>                | <u>1710</u>                                |
| (E) Second Initial Flow Pressure |      |        | <u>13789</u>              | <u>1845</u>                                |
| (F) Second Final Flow Pressure   |      |        | <u>N/A</u>                | <u>2020</u>                                |
| (G) Final Shut-in Pressure       |      |        | <u>None</u>               | Test <u>Minimum</u> <u>✓</u> <u>400.00</u> |
| (Q) Final Hydrostatic Mud        |      |        | PSI Initial Shut-in _____ | Jars <u>✓</u> <u>200.00</u>                |
|                                  |      |        | Final Flow _____          | Safety Joint <u>✓</u> <u>80.00</u>         |
|                                  |      |        | Final Shut-in _____       | Straddle <u>✓</u> <u>No Charge</u>         |
|                                  |      |        |                           | Circ. Sub _____                            |
|                                  |      |        |                           | Sampler _____                              |
|                                  |      |        |                           | Extra Packer <u>✓</u> <u>150.00</u>        |
|                                  |      |        |                           | Elec. Rec. <u>✓</u> <u>150.00</u>          |
|                                  |      |        |                           | Mileage _____                              |
|                                  |      |        |                           | Other _____                                |
|                                  |      |        |                           | TOTAL PRICE \$ <u>✓</u> <u>950.00</u>      |

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Approved By Al Dawning  
 Our Representative Greg Panofsky